

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThk.Logs.f	SatThk.Both.f
1	1	1	-370941.1413	792397.3170250766	39.044015323758586	-102.1050928	231263.8303	4326250.556636215	4054.7692434848677	3900.8371165528206	3914.031588518843	3912.6669793054388	0	0
2	1	2	-370281.1413	792397.3170250766	39.04400541884192	-102.1072698	231464.99662050214	4326246.485119215	4053.3557210931156	3889.45045324043	3919.56569528897	3915.67602777328	0	0
3	1	3	-369621.1413	792397.3170250766	39.0440056959661	-102.1072698	231666.1622156534	4326242.137198357	4050.812963164851545	3889.623484541545	3919.602761288159	3916.67617388159	0	0
4	1	4	-368961.1413	792397.3170250766	39.04400774429527	-102.0981124	231867.328557928	4326238.34253627	4047.4405764874447	3910.061219149214	3906.3855629013014	3906.3855629013014	0	0
5	1	5	-368301.1413	792397.3170250766	39.044115834833834	-102.0958014	232068.9441238076	4326234.271565029	4043.968250130247	3885.27543752579	3903.357061186424	3904.8082037750523	0	0
6	1	6	-367641.1413	792397.3170250766	39.044158054576266	-102.0934786	232269.65942581347	4326230.200712548	4040.4592361372927	3883.870477529585	3901.709317401112	3903.30692141112	0	0
7	1	7	-366981.1413	792397.3170250766	39.044165821362846	-102.0911558	232470.8246021518	4326226.130026179	4040.291201	3882.4600903139044	3900.0741398991704	3901.815794277695	0	0
8	1	8	-366321.1413	792397.3170250766	39.0441907728757	-102.08883	232671.98293262017	4326222.050950921	4043.3540816734876	3881.0444431572305	3900.827169823969	3911.5123567181722	0	0
9	1	9	-365661.1413	792397.3170250766	39.044215625525254	-102.0865102	232873.1537378303	4326217.9389151763	4048.41598452552525	3879.6234845787717	3898.599114634404	3893.19637615446	0	0
10	1	10	-365001.1413	792397.3170250766	39.0442404545715	-102.0841874	233074.170778522	4326218.931917	4047.4784343043	3878.19696728953	3895.590350221905	3888.7959470195	0	0
11	1	11	-364341.1413	792397.3170250766	39.0442555590192	-102.0818646	233275.48195289017	4326209.03849173	4048.008332080575	3876.764924514688	3884.0676320928	3887.4061788872	0	0
12	1	12	-363681.1413	792397.3170250766	39.0442900238661	-102.0795418	233476.64565314872	4326205.709580828	4045.0021468838083	3875.327192638024	3877.306291150166	3881.052101862157	0	0
13	1	13	-363021.1413	792397.3170250766	39.044314704011185	-102.077219	233677.8910833198	4326201.709396080	4040.96556	3873.8836500583075	3875.85362394001	3879.280528738674	0	0
14	1	14	-362361.1413	792397.3170250766	39.0443393677558	-102.0748962	233878.9722901465	4326197.639272257	4036.9904623531108	3872.4341687724354	3874.394119054196	3877.039696824105	0	0
15	1	15	-361701.1413	792397.3170250766	39.044363972679776	-102.0725734	234080.13520729606	4326193.570514568	4034.3210045879958	3870.978614224646	3877.480946297914	3880.7404036627148	0	0
16	1	16	-361041.1413	792397.3170250766	39.04439835972371	-102.0702506	234281.297860484	4326189.501322334	4028.9547004919786	3869.515468382895	3865.154651859944	3869.10203411239	4.381806978325149	0.4083544270503353
17	1	17	-360381.1413	792397.3170250766	39.044413061907335	-102.0676278	234482.4602491983	4326183.43297351	4021.596351045076	3868.074560365446	3863.3110839182066	3867.708441759294	4.736392118275035	0.3399142862454013
18	1	18	-359721.1413	792397.3170250766	39.04443139233062	-102.065005	234683.62237890313	4326181.834771811	4016.2440097151837	3865.91169067589	3874.128528788609	3877.586246813602	0	0
19	1	19	-359061.1413	792397.3170250766	39.04446199	-102.0632822	234884.7842383411	4326177.294744307	4009.386404075754	3865.07409589155	3871.92587464868	3875.152146281363	0	0
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22	1	22	-357081.1413	792397.3170250766	39.04453499991932	-102.0563137	235488.2682478284	4326165.09595949	3984.30806390391	3860.59465978501	3867.805755565575	3870.78453155205	0	0
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26	1	26	-354441.1413	792397.3170250766	39.044631742838725	-102.0470224	236292.909916316	4326148.8153253	3970.0429567374	3854.45395203084	3859.508711224811	3861.776073953253	0	0
27	1	27	-353781.1413	792397.3170250766	39.04465681641679	-102.0446996	236494.0696827768	4326144.75172208	3965.599157557617	3852.9155580244023	3857.5340213699747	3859.895456807306	0	0
28	1	28	-353121.1413	792397.3170250766	39.04467984513403	-102.0423768	236695.2291844214	4326140.689373375	3959.593991452468	3851.372877743936	3855.07062428439	3856.8132445415226	0	0
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33	1	33	-349821.1413	792397.3170250766	39.04479931581848	-102.0307626	237701.0228726319	4326120.350434319	3929.627104547326	3843.492313151067	3837.20221772	3840.678027689867	4.27258836186543	2.770318636120096
34	1	34	-349161.1413	792397.3170250766	39.04482307536993	-102.0284398	237902.1868141931	4326116.252496825	3922.712347820967	3841.854233581616	3836.9584621577515	3838.278766038916	4.88996022130192	3.566662436595664
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36	1	36	-347841.1413	792397.3170250766	39.0448704589943	-102.023784	238304.4959094635	4326108.152	3918.981856898964	3838.54778922689	3837.926778022765	3830.84182	10.158239380261	10.158239380261
37	1	37	-347181.1413	792397.3170250766	39.044894048545704	-102.0214713	238505.6550358413	4326104.0864403	3920.072014025997	3837.785528267764	3839.930290817566	3839.930290817566	5.2390271253416196	7.049316873623425
38	1	38	-346521.1413	792397.3170250766	39.0449176496414	-102.0191484	238706.809963267	4326100.01103998	3918.98336207803	3835.40993586706	3830.87003999821	3829.674689257477	4.53999584252145	5.73250511222965
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41	1	41	-344541.1413	792397.3170250766	39.04498813611629	-102.0121799	239310.2792023158	4326087.825497272	3906.2314082333798	3830.5348884506818	3819.44681383452	3819.733684706819	11.08807818182873	10.80120373815222
42	1	42	-343881.1413	792397.3170250766	39.0450115367758	-102.0098571	239511.434964343	4326083.76002613	3900.85104043962	3828.8977865202137	3818.1030592879768	3818.1030592879768	15.86712232396528	15.9211823954705
43	1	43	-343221.1413	792397.3170250766	39.04503499991932	-102.007584	239712.67899914356	4326079.689418237	3900.85104043962	3827.9167778022765	3817.168802974434	3817.168802974434	15.86712232396528	15.9211823954705
44	1	44	-342561.1413	792397.3170250766	39.0450582	-102.0052114	239913.7459137482	4326075.631347529	3897.31165427004	3825.02633458458	3816.521611066394	3816.521611066394	15.86712232396528	15.9211823954705
45	1	45	-341901.1413	792397.3170250766	39.04508147	-102.0028885	240114.9010091073	4326071.56668688	3880.085766792596	3823.943814070013	3795.092022363975	3792.57662942638	26.8497617060387	31.367052172323428
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47	1	47	-340581.1413	792397.3170250766	39.04512786716087	-101.9982428	240517.2140025338	4326063.438708885	3868.55609389454	3820.59293894954	3785.570367960915	3783.511835241223	35.0284570988242	37.087458570831586
48	1	48	-339921.1413	792397.3170250766	39.0451509865264	-101.9959199	240718.36477171312	4326059.374827311	3867.2165811174327	3818.9122659213954	3781.859478496884	3776.2850019153453	35.0284570988242	37.087458570831586
49	1	49	-339261.1413	7923										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	Surf.Elev	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
127	127	-28781.1413	79.2937 31 70250766	39.04683962001936	-101.8124099	256608.7598337852	43257.3851713368	3680.158747993706	367.450980144984	3577.299009041463	378.092315408841	365.74897110348507	64.95364173016093	
128	128	-28712.1413	79.2937 31 70250766	39.04685612644251	-101.805689	256809.8941897395	43257.34101078277	367.479177669208	364.3882124366232	3575.561899070015	357.6149628180391	64.8263133666025	63.96838441853242	
129	129	-28691.1413	79.2937 31 70250766	39.04687369000774	-101.793861	258217.8268165542	43257.3075084942	367.4873392778697	362.73397010061914	3574.6753927045591	357.5949090352867	64.047813388	63.12185022042474	
130	130	-28580.1413	79.2937 31 70250766	39.04689511	-101.804441	257212.1626751046	43257.2703004003	367.4718540902065	363.50438574302656	3571.6454230972357	357.6241057737128	63.82459431029914	62.4005921952885	
131	131	-28514.1413	79.2937 31 70250766	39.04691452052226	-101.803118	257413.2993031515	43257.22651604803	366.8563567019764	363.5518902609914	3569.4964378036975	356.75030845726178	62.85875122329389	61.7021045437362	
132	132	-28484.1413	79.2937 31 70250766	39.0469338348547	-101.800795	257614.42035438224	43257.18601900805	364.0083562119624	362.9545870201371	3567.2448671033863	356.836840641184615	61.61268996662827	61.2689968662827	
133	133	-28382.1413	79.2937 31 70250766	39.0469532	-101.7984721	257815.6523770777	43257.14550238243	369.0450356737938	362.944413279381	3564.927257753691	356.6134759758016	61.56717552690214	60.89948351075234	
134	134	-28316.1413	79.2937 31 70250766	39.04697244816634	-101.7961491	258016.6964812325	43257.1030738871	368.8922372590943	362.221185430914	3562.5565097259323	356.46752045940178	61.6565757048612	60.8896483898636	
135	135	-28250.1413	79.2937 31 70250766	39.04699178947422	-101.793861	258217.8268165542	43257.0612897155	367.5170592278697	362.4889048624987	3560.1609042745091	356.1502565858986	61.23681070501389	59.89638617006145	
136	136	-28184.1413	79.2937 31 70250766	39.0470186695721	-101.7915031	258418.9605	43257.0210479056	368.85561905374	361.7449648789275	3557.757957023616	355.16568752156	59.57900735705289	59.57900735705289	
137	137	-28181.1413	79.2937 31 70250766	39.04703005232469	-101.7891802	258620.0928750462	43256.9832800299	364.859313327748	361.58390402377488	3562.3174764774403	356.240037581966	59.56719250030043	53.585854795777984	
138	138	-28052.1413	79.2937 31 70250766	39.04704911909692	-101.7868572	258821.2246141245	43256.94308137935	364.3140450098097	361.3223242	3529.5830876704276	353.8378973636186	61.83401539757528	79.3423600900946	
139	139	-27986.1413	79.2937 31 70250766	39.047068168003825	-101.7845342	259022.3566069001	43256.90025000001	364.5214844317353	361.044645439304	3527.284594702521	352.655065691795	61.16185123238301	78.78839396752467	
140	140	-27920.1413	79.2937 31 70250766	39.04708717204541	-101.7822112	259223.48811801875	43256.862348986	364.2219820642793	360.7691261062963	3525.0345898374935	352.94788742716299	62.6243626809729	77.18025138409985	
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143	143	-27721.1413	79.2937 31 70250766	39.04714391497791	-101.7752423	259826.88121567838	43256.7401848485	363.486214	359.2252300413577	3518.80355358252	352.6173773786520	61.4635785301552	75.8406532	
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145	145	-27590.1413	79.2937 31 70250766	39.04718159222411	-101.7705963	260229.1420918718	43256.659565753	363.0438164260714	359.356154581157	3515.5142235471703	352.0315675949387	78.0519310386688	73.272977862184	
146	146	-27524.1413	79.2937 31 70250766	39.047201525412114	-101.7682733	260430.27217354549	43256.6171906688	362.8421334629673	359.70149807501573	3514.343823639817	351.863963639575	76.37135711034039	71.2814923442242	
147	147	-27458.1413	79.2937 31 70250766	39.047218944104465	-101.765903	260631.4020182843	43256.5870411367	362.7317119556244	358.6735914292414	3513.6137661265866	351.6407527738915	74.221825	69.8060413756695	
148	148	-27392.1413	79.2937 31 70250766	39.04723758922116	-101.763674	260832.5316206842	43256.5523081035	362.6008770140584	358.482601364315	3510.214215435265	350.1945371845202	74.767925970877	64.78750312686274	
149	149	-27326.1413	79.2937 31 70250766	39.047256947442	-101.7614034	261038.68997155	43256.52097453434	362.4827358971568	358.2935897453434	3507.483951421127	350.2458470449844	74.4229654317177	62.2784849050125	
150	150	-27260.1413	79.2937 31 70250766	39.0472744456061	-101.7589814	261234.79013170037	43256.4725819862	361.7792212010277	357.97020455406	3504.2021430872296	350.1345685439800	74.0046134	39.0724598525735	
151	151	-27194.1413	79.2937 31 70250766	39.0472932553127	-101.7566884	261435.9109292243	43256.4468201008	362.6014210810676	357.302968168541	3525.295314312734	352.7393368212153	61.007635860734	48.9091645823286	
152	152	-27128.1413	79.2937 31 70250766	39.04731171203618	-101.7543354	261637.0476920263	43256.4163114293	362.461231043633	357.3874791749179	3528.7145115588573	352.50359681079577	62.472623260356	42.94728068324	
153	153	-27062.1413	79.2937 31 70250766	39.04733014	-101.7520124	261838.1761182195	43256.383588067175	363.1981181	357.4016203178813	3533.4903863611884	353.0546612542141	61.390783956692944	55.41459060491696	
154	154	-26996.1413	79.2937 31 70250766	39.04734851774861	-101.7496984	262039.43083070375	43256.3529456774	364.963611141538	356.752180678654	3529.0410495821672	354.1155334917717	72.7041310964869	26.3694874053447	
155	155	-26930.1413	79.2937 31 70250766	39.04736786890964	-101.7473964	262240.4328	43256.3240971565	364.80840948179343	356.4734935106235	3514.09588132127	354.465470149844	74.4229654317177	62.2784849050125	
156	156	-26864.1413	79.2937 31 70250766	39.047385134997629	-101.7450344	262441.559933696	43256.2914533749	365.2148554123799	356.2148554123799	3513.123485177894	354.1155334917717	72.7041310964869	15.41675368917536	
157	157	-26798.1413	79.2937 31 70250766	39.0474037632328	-101.7427204	262642.8874679582	43256.2614043956	366.028361303552	355.8616738897387	3510.645841	357.2149930282814	0	0	
158	158	-26732.1413	79.2937 31 70250766	39.04742157278296	-101.7403974	262843.8147	43256.23135860663	366.938261730451	355.691840866907	3504.882197318285	358.8091812266304	74.4229654317177	62.2784849050125	
159	159	-26666.1413	79.2937 31 70250766	39.04743972431666	-101.7380744	263044.34173267484	43256.2013346768	367.94785941821	355.2173135809412	3507.45458869077	357.914636930465	74.4229654317177	62.2784849050125	
160	160	-26600.1413	79.2937 31 70250766	39.04745783117335	-101.7357514	263246.0686131893	43256.176299593	367.775120311593	349.74316146390754	3502.656498517477	355.656498517477	74.4229654317177	62.2784849050125	
161	161	-26534.1413	79.2937 31 70250766	39.04747588297484	-101.7334284	263447.1951954488	43256.1500221292	368.66484698346	354.741214685319	3504.74316146390754	355.656498517477	74.4229654317177	62.2784849050125	
162	162	-26468.1413	79.2937 31 70250766	39.0474939209744	-101.7311054	263648.2417146403	43256.1237193377	369.578107768324	354.74316146390754	3502.656498517477	355.656498517477	74.4229654317177	62.2784849050125	
163	163	-26402.1413	79.2937 31 70250766	39.0475118820991	-101.7287824	263849.4474950506	43256.103239995	369.4853707604915	354.74316146390754	3502.656498517477	355.656498517477	74.4229654317177	62.2784849050125	
164	164	-26336.1413	79.2937 31 70250766	39.0475299033036	-101.7264594	264050.573346274	43256.08908251473	369.809899309006	353.772518991038	3496.9411507729355	3498.278900803818	74.7843621810237	34.94682092719146	
165	165	-26270.1413	79.2937 31 70250766	39.0475478176006	-101.7241364	264251.6990058349	43256.0634728007	365.094783930006	354.709350205264	3487.0911812366863	348.28916178800935	74.4229654317177	62.2784849050125	
166	166	-26204.1413	79.2937 31 70250766	39.04756552929084	-101.7218134	264452.82438785	43256.0458993006	364.320479	353.627036973015	3478.443539107462	348.28916178800935	74.4229654317177	62.2784849050125	
167	167	-26138.1413	79.2937 31 70250766	39.04758331955386	-101.7194903	264653.938286956	43256.0279516204	363.725173294667	352.836272703999	3507.785570133551	347.8276860369154	74.4229654317177	62.2784849050125	
168	168	-26072.1413	79.2937 31 70250766	39.047601693733	-101.7171673	264856.074400763	43255.97211174855	362.32105142039346	352.5854977695443	3467.0428106172703	347.61427255136395	74.4229654317177	62.2784849050125	
169	169	-26006.1413	79.2937 31 70250766	39.047619718728656	-101.7149384	265058.2169374034	43255.9492821478	361.771961184	352.32105142039346	3467.0428106172703	347.61427255136395	74.4229654317177	62.2784849050125	
170	170	-25940.1413	79.2937 31 70250766	39.04763803705111	-101.7125213	265257.3235671795	43255.9246332633	361.0480063051	351.95465342110447	3522.15962897967	347.61427255136395	74.4229654317177	62.2784849050125	
171	171	-25874.1413	79.2937 31 70250766	39.04765640345027	-101.7101983	265458.4478	43255.90025939	359.425204070975	351.3649457303067	3471.009970768267	3522.15962897967	74.4229654317177	62.2784849050125	
172	172	-25808.1413	79.2937											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatThKLog.f	SatThBoth.f	
253	1	253	-204621.1413	79.2937	31.70250766	39.0489456297663	-10.51797075	281949.8628139342	43252.2791178739	3361.992621	3245.131995953135	3203.1871763134095	3201.2805622986148	41.944819640104015	43.85143389898756
254	1	254	-203961.1413	79.2937	31.70250766	39.04895953215804	-10.51738484	282150.9648695513	43252.2517316622	3364.186552072004	3241.7783132224527	3194.47185286634	3192.9119670602867	47.30412792381857	48.86634616216679
255	1	255	-203301.1413	79.2937	31.70250766	39.0489777591424	-10.51686911	282352.0739040259	43252.2171181819	3368.0254563272764	3239.5913892041245	3189.4984505639976	3188.4984505639976	48.25704679315151	50.10031665039869
256	1	256	-202641.1413	79.2937	31.70250766	39.04898771591424	-10.51727382	282553.1712805554	43252.1768206515	3364.5093306872757	3238.5095781222192	3192.9277648416464	3190.0095315391827	45.58181333958282	48.5004662040653
257	1	257	-201981.1413	79.2937	31.70250766	39.049000930488965	-10.51504151	282754.28413665016	43252.1365271678	3363.9934076425777	3237.452720798693	3195.7472679156617	3191.2948600594187	41.726039883031264	46.17934843889524
258	1	258	-201321.1413	79.2937	31.70250766	39.04901464019473	-10.51508092	282955.388903317	43252.096321127	3365.23479824787	3236.451538355046	3196.53627961794	3190.90952830325198	45.45625450127695	48.55909642072433
259	1	259	-200661.1413	79.2937	31.70250766	39.04902830531506	-10.51505789	283156.49351047614	43252.054972046	3361.7254981432925	3235.436751597488	3199.0587294887094	3190.8269159955017	36.37802213877876	44.6098320198643
260	1	260	-200001.1413	79.2937	31.70250766	39.04904192	-10.51503458	283357.5978763011	43252.01566	3358.734859669196	3234.428654880583	3205.524759059861	3205.524759059861	28.90389642072433	48.58909642072433
261	1	261	-199341.1413	79.2937	31.70250766	39.049055009887	-10.51501227	283558.7028028975	43251.97133884881	3356.751471589913	3233.42741589913	3198.7473833677	3198.7473833677	27.47918519792711	47.47918519792711
262	1	262	-198681.1413	79.2937	31.70250766	39.04906903227765	-10.4987596	283759.8056670025	43251.9350833737	3352.784383312907	3231.4325312212846	3207.0335244663396	3197.25321987344044	25.3921987344044	44.7054682855765
263	1	263	-198021.1413	79.2937	31.70250766	39.04908251566839	-10.4964765	283960.906916906	43251.89395146	3353.0988846110037	3231.442245	3208.63905342857	3187.3515973068297	22.80648521263196	44.09047557920929
264	1	264	-197361.1413	79.2937	31.70250766	39.04909595617991	-10.4941533	284162.013203485	43251.85451736778	3356.745455524204	3230.4601380412337	3210.398614295447	3187.2255399776072	20.06032311478657	43.234589063626436
265	1	265	-196701.1413	79.2937	31.70250766	39.04910935	-10.4918302	284363.1165027173	43251.814238276	3360.0196565074034	3229.485277411423	3212.226538	3187.27058013142246	42.21469233991547	42.21469233991547
266	1	266	-196041.1413	79.2937	31.70250766	39.049127205557	-10.4895071	284564.2195862715	43251.7739579316	3364.067074006053	3228.522157838397	3214.007269947433	3187.3895097272676	15.145887890964019	41.12334756572104
267	1	267	-195381.1413	79.2937	31.70250766	39.04913600843962	-10.487184	284765.3224617405	43251.7338060745	3365.237842567548	3227.5712003675484	3215.6941520455507	3187.95357287487395	11.917048321998664	40.1234671681848
268	1	268	-194721.1413	79.2937	31.70250766	39.04914929545449	-10.4848489	284966.425122968	43251.691341	3363.92472965781	3226.632423289024	3216.451957005815	3194.768946742457	10.18046902239014	31.86357254656775
269	1	269	-194061.1413	79.2937	31.70250766	39.04916249	-10.4825378	285167.6257153823	43251.65131099556	3362.609103004832	3225.703339	3217.703457124236	3195.1650416565535	8.000062194	30.537597611293605
270	1	270	-193401.1413	79.2937	31.70250766	39.0491765876464	-10.4802147	285358.6298	43251.61285577517	3361.294734303882	3224.784314482824	3218.729770873625	3195.452664776258	6.80002909199142	29.33076702720444
271	1	271	-192741.1413	79.2937	31.70250766	39.04918878328337	-10.4778916	285569.7138335017	43251.57258809372	3364.23659	3223.872667596086	3226.437804864595	3190.7154311206655	33.13725247542064	33.13725247542064
272	1	272	-192081.1413	79.2937	31.70250766	39.0492018642136	-10.4755685	285770.836470312	43251.53321050509	3371.432784519505	3222.970931520523	3227.221333040622	3190.55223977402	32.418707543181426	32.418707543181426
273	1	273	-191421.1413	79.2937	31.70250766	39.04921490148963	-10.4732453	285971.933491989	43251.49250169294	3378.629608237604	3222.077696722513	3227.790456300788	3190.29678782255	31.78090888999648	31.78090888999648
274	1	274	-190761.1413	79.2937	31.70250766	39.04922785328984	-10.4709222	286173.036402101	43251.4517895009	3385.826433127635	3221.1924801314	3228.166002061347	3190.810400096418	31.38243931	31.38243931
275	1	275	-190101.1413	79.2937	31.70250766	39.04924082019887	-10.4686981	286374.1302028631	43251.415217985832	3387.21368777862583	3220.31687777862583	3227.1589627722145	3194.50311230651	29.4410533239588	30.956301240479004
276	1	276	-189441.1413	79.2937	31.70250766	39.04925324479901	-10.466276	286575.2387859781	43251.371259371	3382.7808434155604	3219.4501993571216	3228.4221107	3188.282287916546	31.16791138545705	31.16791138545705
277	1	277	-188781.1413	79.2937	31.70250766	39.0492665946992	-10.4639528	286776.339648343	43251.33099850285	3378.35150844889	3228.3409873080573	3228.3409873080573	3189.886964818367	28.60630984818367	28.60630984818367
278	1	278	-188121.1413	79.2937	31.70250766	39.0492794179139	-10.4616298	286977.400967704	43251.2979339101	3374.9212742704185	3227.7446223531537	3228.146977674085	3189.654109561837	28.0905132869697	28.0905132869697
279	1	279	-187461.1413	79.2937	31.70250766	39.04929217924337	-10.4593066	287178.54043506226	43251.25048177825	3364.8493877667459	3226.916064615848563	3227.855458584663	3227.855458584663	27.63089769207272	27.63089769207272
280	1	280	-186801.1413	79.2937	31.70250766	39.0493049182587	-10.4569835	287379.64056342444	43251.21022879531	3351.1331434927125	3226.079911174139	3227.481119747717	3183.500350192454	32.7587916816811	32.7587916816811
281	1	281	-186141.1413	79.2937	31.70250766	39.0493178538976	-10.4546864	287580.7484920615	43251.16910890285	3347.4516910890285	3225.98733022226	3228.165226996786	3189.654109561837	25.384671165651525	25.384671165651525
282	1	282	-185481.1413	79.2937	31.70250766	39.04933021238224	-10.4523373	287718.8401911705	43251.1279790919	3342.77024530137	3224.1462900975717	3227.7058496169	3184.1613255446	30.2367957017718	30.2367957017718
283	1	283	-184821.1413	79.2937	31.70250766	39.04934280035611	-10.4500142	287982.393	43251.08346603703	3315.307459034593	3213.6727021480115	3227.2992560918246	3183.1693551512187	25.50874664	25.50874664
284	1	284	-184161.1413	79.2937	31.70250766	39.0493553436036	-10.447691	288184.0386116641	43251.04218706805	3312.2377602350193	3212.89463836985	3227.404531288304	3185.073404118918	27.821427318067308	27.821427318067308
285	1	285	-183501.1413	79.2937	31.70250766	39.04936781695016	-10.4453679	288385.138063425	43251.00189710187	3309.1678022235454	3212.12948727559	3227.077562297483	3182.92783154546983	29.0562447152557	29.0562447152557
286	1	286	-182841.1413	79.2937	31.70250766	39.04938029506004	-10.4430448	288586.2369635168	43250.9647249719	3306.09689383582	3211.375393143318	3226.7143174176263	3182.2930165106067	29.0168227619608	29.0168227619608
287	1	287	-182181.1413	79.2937	31.70250766	39.04939270355337	-10.4407217	288787.3359010944	43250.9248869716	3300.415057817897	3210.6287013427304	3226.3206830671165	3181.650015239644	28.787689040085518	28.787689040085518
288	1	288	-181521.1413	79.2937	31.70250766	39.0494050418719	-10.438396	288989.4415734416	43250.88142717406	3298.823742179157	3209.88733022226	3225.98733022226	3181.50311230651	25.384671165651525	25.384671165651525
289	1	289	-180861.1413	79.2937	31.70250766	39.0494173859431	-10.4360754	289189.635055379	43250.8479966253	3298.823742179157	3209.88733022226	3225.98733022226	3181.50311230651	27.6117582670197	27.6117582670197
290	1	290	-180201.1413	79.2937	31.70250766	39.04942965982929	-10.4337523	289390.63045845774	43250.8077518248	3275.34060909199	3208.425605636176	3223.525624935735	3185.15427664068	23.2701290229493	23.2701290229493
291	1	291	-179541.1413	79.2937	31.70250766	39.0494418884755	-10.4314291	289591.7282784758	43250.751934391	3267.697916641059	3207.697916641059	3222.015010009379	3187.3053041903376	20.392576450731212	20.392576450731212
292	1	292	-178881.1413	79.2937	31.70250766	39.0494540729241	-10.429106	289792.8259032686	43250.728314669	3261.463425572726	3206.978310693885	3229.4688026855328	3186.744071844776	38.20348005911246	38.20348005911246
293	1	293	-178221.1413	79.2937	31.70250766	39.04946621226928	-10.4267829	289993.9233151043	43250.69870489078	3251.318912681026	3206.263129369825	3229.14003363540483	3186.5458046802612	37.71877856721334	37.71877856721334
294	1	294	-177561.1413	79.2937	31.70250766	39.0494783067632	-10.424458	290156.0253232415	43250.6618156705	3247.564305791865	3205.54457515435	3218.53045234622	3181.751854712836	43.80259208025948	43.80259208025948
295	1	295	-176901.1413	79.2937	31.70250766	39.04949038613525	-10.422168	290357.1302591325	43250.62305058	3243.50501588	3204.86048978981	3218.1695278476	3181.751854712836	47.7415467742644	47.7415467742644
296	1	296	-176241.1413	79.2937	31.70250766	39.0495023808083	-10.419815	290597.2143335496	43250.564376997	3241.3171071345	3204.15105408459	3216.763549617255</			

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKsg.f	BRIElevBthg.f	SatThcLog.s	SatThcBoth.f
379	379	-121461.1413	79.2937 31 792050766	39.050342329862346	-101.2269911	307287.5485	3424723.300893799	326.764894144078	3149.8197313418314	3165.044703813532	3157.748032861385	0	0
380	380	-120801.1413	79.2937 31 792050766	39.0503505653889	-101.2246879	307488.628693079	304719.291648476	3001.125231104782	3149.042035	3162.969848484846	3161.51167290175	0	0
381	381	-120141.1413	79.2937 31 792050766	39.05036756943394	-101.223447	307869.7866260475	342471.254661125	3289.48556545484	3148.25747866152	3168.8728838164862	3158.71127853711	0	0
382	382	-119481.1413	79.2937 31 792050766	39.05036690182699	-101.2200215	307890.7843234526	303474.719	3297.8458534871456	3147.46538671456	3156.766501436163	3156.811240219616	0	0
383	383	-118821.1413	79.2937 31 792050766	39.050370502738456	-101.2176983	308091.8680331254	342470.7652003243	3296.163908240033	3146.6664257074253	3156.650963396273	3154.4368769752537	0	0
384	384	-118161.1413	79.2937 31 792050766	39.05038036877872	-101.2153751	308292.944574452395	303473.2564617125	3145.86179354363	3145.7563416703715	3152.0524251349725	3151.0524251349725	0	0
385	385	-117501.1413	79.2937 31 792050766	39.05039016994743	-101.2130519	308494.02668889	342469.248073611	3292.751547198849	3145.061545252656	3153.126218119937	3149.619690903822	0	0
386	386	-116841.1413	79.2937 31 792050766	39.05039334391794	-101.2107288	308895.1075402903	342466.2398489285	3290.990916675778	3144.236171478976	3150.997450017585	3149.791490074877	0	0
387	387	-116191.1413	79.2937 31 792050766	39.05040696767015	-101.2084056	308986.1945514355	342463.217878555	3289.48556545484	3143.8151703118585	3147.9406464124077	3146.8102591921474	0	0
388	388	-115521.1413	79.2937 31 792050766	39.05041448224156	-101.2050824	309097.26321112343	342461.223889791	3289.48602707312	3142.590732361492	3143.19674931012	3146.806726144002	0	17.22079813405287
389	389	-114861.1413	79.2937 31 792050766	39.05042266905645	-101.2037592	309298.341682984	342463.216	3289.0635325136318	3141.759966	3141.0234230324042	3138.500605514177	0.736536094178848	3.259360343428049
390	390	-114201.1413	79.2937 31 792050766	39.05043045271731	-101.201436	309499.419674007	342467.920864237	3288.673449634214	3140.823906594293	3138.859160211964	3136.440143532585	2.0674463674652203	4.779661274144423
391	391	-113541.1413	79.2937 31 792050766	39.05043816456546	-101.1991128	309700.480645804	342465.701786537	3287.657678493126	3140.079513134462	3137.3076507665512	3134.3001225380955	6.3728875873911627	
392	392	-112881.1413	79.2937 31 792050766	39.05044589172394	-101.1967986	309901.575974730	342467.193302209	3286.12422483431	3139.2269634653208	3134.5642192026314	3131.474683773424	6.1244622683911	7.752524039787314
393	393	-112221.1413	79.2937 31 792050766	39.05045334391794	-101.194464	310102.6536980552	342467.188651248	3284.59078003117	3138.367621762445	3132.436712402986	3129.48795366712	5.931449384956293	9.020420395733315
394	394	-111561.1413	79.2937 31 792050766	39.05046134610504	-101.1924056	310689.16827546	342463.18	3283.057332	3137.302525647073	3130.3222964353126	3126.7876069	7.18022120540658	10.62645860723233
395	395	-110901.1413	79.2937 31 792050766	39.05046713696404	-101.18982	310504.808585402	342465.71379385	3281.15569302148	3136.629981671538	3122.222988	3124.657683669615	8.460991025	12.02310060276696
396	396	-110241.1413	79.2937 31 792050766	39.05047623127719	-101.1874968	310750.88574911666	342465.16568474	3278.88545126848	3135.749282243724	3126.13812434925	3122.357993363192	9.743475474324	13.39128696077326
397	397	-109581.1413	79.2937 31 792050766	39.05048373896245	-101.1851736	310966.962714327	342465.106160993	3276.615420326633	3134.8618470090196	3124.06689241224	3120.12828450682	10.7948776695802	15.73625025253246
398	398	-108921.1413	79.2937 31 792050766	39.05049113182556	-101.1826504	31108.036194439	342467.1359638	3274.345	3133.962962365	3119.86625186355	3116.863475968307	14.1034071770957	17.10534503843428
399	399	-108261.1413	79.2937 31 792050766	39.050498514789126	-101.1805272	311309.1612610624	342463.147595702	3272.458062320442	3133.071611816801	3117.79137374761046	3114.65737515365	15.280234142696372	18.41425538693077
400	400	-107601.1413	79.2937 31 792050766	39.0505055286297	-101.178204	311510.19254737406	342463.148801765	3270.95357040085	3132.168847489672	3115.724519234595	3114.64773628157	14.64423254254919	19.70407368068481
401	401	-106941.1413	79.2937 31 792050766	39.0505134610504	-101.175698	31171.7222232583	342463.13893753	3269.451389375	3131.26118587876	3112.622021058544	3109.33651185701	31.889898552768564	21.87479409096114
402	402	-106281.1413	79.2937 31 792050766	39.05052034355255	-101.1735576	311912.3448345167	342463.13047727	3267.94586918209	3131.3941958744094	3111.6001492090273	3108.1073291991174	18.74904555382075	22.21480365291576
403	403	-105621.1413	79.2937 31 792050766	39.05052798793371	-101.172344	312113.4207	342467.125024985	3266.44553796297	3129.423439148625	3108.28869341121	3103.536481	21.14306408405365	25.8864288045118
404	404	-104961.1413	79.2937 31 792050766	39.050534756540344	-101.1689113	312314.4963285363	342463.117405321	3265.0089776247	3128.51233339956	3106.243059658203	3100.390226274197	22.2692763216279	27.12211066578906
405	405	-104301.1413	79.2937 31 792050766	39.05054187027518	-101.1665881	312515.5718794395	342463.119461932	3263.553403756753	3127.587347418195	3102.98427896133	3098.182810286605	25.90435192826656	29.4045387958756
406	406	-103641.1413	79.2937 31 792050766	39.0505489391147	-101.164249	312716.6471931255	342463.109661405	3262.09782885974	3126.6584403136	3100.877696134575	3096.0714860343755	25.78072823840446	30.604094360070636
407	407	-102981.1413	79.2937 31 792050766	39.0505598312929	-101.161724	312917.7222232583	342463.104867733	3260.7112673684	3125.726147129706	3100.216226205644	3098.33651185701	25.78072823840446	30.604094360070636
408	408	-102321.1413	79.2937 31 792050766	39.050562954852	-101.1596185	313116.727632604	342467.10023305	3259.0630000357	3123.7882707312	3100.164445591306	3084.73814012723	26.4517737120616	31.052133860494
409	409	-101661.1413	79.2937 31 792050766	39.05056988	-101.1572953	313319.8720377316	342467.109462119	3258.076072397027	3123.846311225656	3087.972651448005	3082.552779729636	35.87365108125162	41.29333149062071
410	410	-101001.1413	79.2937 31 792050766	39.0505767587139	-101.1549721	313520.946068297	342509.991467166	3256.75848736832	3122.89916492663	3085.748712263138	3080.3476261819477	31.5710242295232	42.55196236731838
411	411	-100341.1413	79.2937 31 792050766	39.05058361037487	-101.1526488	313722.02100372143	342509.807320437	3255.219040780537	3121.9484587823076	3084.519938267447	3079.2082982199	35.47282051486079	42.6563751901258
412	412	-99681.1413	79.2937 31 792050766	39.05059041000635	-101.1503256	313923.09521618375	342509.83431923	3253.439304574652	3120.991434850045	3085.397767332513	3079.763012340503	35.596746478918	43.21131182
413	413	-99021.1413	79.2937 31 792050766	39.05059716476638	-101.1480024	314124.1692459184	342509.7928619	3251.659773434618	3120.028375	3083.0479833078434	3077.482431160706	35.689391665936	42.54596201370259
414	414	-98361.1413	79.2937 31 792050766	39.05060456145142	-101.1456792	314325.2439311825	342509.761	3249.82206141573	3119.05183786524	3082.216226205644	3077.01764852658	45.8422625486014	43.87479409096114
415	415	-97701.1413	79.2937 31 792050766	39.05061053966975	-101.143356	314526.316757919	342509.728238598	3247.33413803885	3118.02801470386	3077.64310589004	3065.58747142187	47.3273863578557	
416	416	-97041.1413	79.2937 31 792050766	39.05061715981712	-101.1410328	314727.390340601	342575.70995787	3247.971778	3117.09761893244	3070.385370225234	3068.5877446591085	47.71222466800981	48.50987223
417	417	-96381.1413	79.2937 31 792050766	39.05062373088976	-101.1387096	314928.463641572	342575.69695329	3240.625015032135	3116.1038680350216	3068.2484950391413	3066.42401828077	47.855232995880316	49.76489545293389
418	418	-95721.1413	79.2937 31 792050766	39.05063026548883	-101.1363864	315129.5367006286	342575.602895425	3237.278252616526	3115.097307703373	3066.143940205995	3064.2895866568615	49.953430682773615	50.760744065114
419	419	-95061.1413	79.2937 31 792050766	39.05063675101668	-101.1340632	315306.896898282	342563.06	3235.3941476235	3114.0775086077	3064.107179075573	3062.174694727	50.86373710571907	51.8600373545889
420	420	-94401.1413	79.2937 31 792050766	39.05064319	-101.131714	315531.682454214	342567.05786647	3234.94070998028	3113.0345092194	3062.1741332599	3060.240883647	50.864459685954	52.79750458714274
421	421	-93741.1413	79.2937 31 792050766	39.05065038365034	-101.129376	315731.682454214	342567.05786647	3234.94070998028	3112.028375	3060.240883647	3060.240883647	50.864459685954	52.79750458714274
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423	423	-92421.1413	79.2937 31 792050766	39.05066224	-101.1247704	316134.8966376019	342547.05342675	3234.0343028016718	3109.849930600947	3053.516803	3051.8833230067935	50.867744734737	57.9662673530191
424	424	-91761.1413	79.2937 31 792050766	39.05066805515044	-101.1224472	316325.937670105	342543.04832575	3232.2124955074	3108.751515	3051.742528483855	3050.063148893105	50.8688677561463	58.6883643081912
425	425	-91101.1413	79.2937 31 792050766	39.050674721871026	-101.120124	316537.043235348	342539.0468312	3230.4409563801327	3050.5205831188546	3047.70820709263	3046.1178072099763	51.1478641626809	58.91457133
426													

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
505	1	-38301.14133	79239.3170250766	39.051026639101934	-100.9342663	32622.229923848	43242.19425647585	3685.6835130449604	2980.1756289958282	2981.12568888829	14.87400042130048	13.8671653	
506	1	-36641.14133	79239.3170250766	39.05102920727884	-100.9319431	32823.2835521291	43242.1543697561	3066.667398389454	2980.010693990796	2980.998375153434	13.85769297651348	12.86901183490162	
507	1	-36781.14133	79239.3170250766	39.051030175481105	-100.9296189	32823.645418770389	43242.151226201192	3068.72478802	2980.578431981655	2982.076789488484	10.008930810452758	10.008930810452758	
508	1	-36741.14133	79239.3170250766	39.0510324936155	-100.9272667	33225.3991264205	43242.06140119099	3065.971087184541	2993.461604518773	2981.849309670027	19.220648475455	8.86529942717412	
509	1	-35661.14133	79239.3170250766	39.05103666369245	-100.9249734	33324.4566570439	43242.0431471834485	3068.178725681553	2990.1994005105844	2981.641271218946	2982.34610440591	8.55527338869784	
510	1	-35601.14133	79239.3170250766	39.0510390054155	-100.9226502	333627.51933254864	43242.05843912293	3064.3864754540625	2988.850244222049	2979.005363002558	19.6812812655616	8.45527341792314	
511	1	-34341.14133	79239.3170250766	39.05104146	-100.920327	33328.8251	43241.95496	3068.07814813958	2987.3765614819586	2977.970524663025	29.874267309393698	8.406037127188806	
512	1	-33681.14133	79239.3170250766	39.05104376815569	-100.9180037	334029.6279956236	43241.9150835157	3067.282961875303	2985.777313388628	2976.74790974333	2977.497576925109	8.3232364314996	
513	1	-3301.14133	79239.3170250766	39.05104605572295	-100.9156805	33429.6847390435	43241.87526201192	3068.72478802	2985.1787325475214	2977.11308975117	7.916871371046205	6.286566255696242	
514	1	-3261.14133	79239.3170250766	39.0510425311608	-100.9133573	334431.74140948756	43241.833574623	3071.6710242075	2982.36451615302	2974.4470849427	7.8532067342222	6.915461125589494	
515	1	-31701.14133	79239.3170250766	39.05105043606708	-100.911034	334632.7979	43241.97546234354	3071.6710242075	2980.812283635084	2972.956763179487	29.7541755044289	7.8532067342222	
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519	1	-29061.14133	79239.3170250766	39.0510689844316	-100.9017411	335437.0221145663	43241.6758581102	3068.11346969315	2973.547597302683	2967.747221476036	29.75493270625193	7.8532067342222	
520	1	-28401.14133	79239.3170250766	39.0510696185018	-100.8994179	335638.0712714615	43241.6191374345	3068.54969352904	2971.762016700977	2966.376395657967	29.75493270625193	7.8532067342222	
521	1	-27741.14133	79239.3170250766	39.0510726038437	-100.8970498	335839.1326057014	43241.5563829525	3068.54969352904	2970.0163119274875	2966.30311821808	29.75493270625193	7.8532067342222	
522	1	-27081.14133	79239.3170250766	39.0510644204574	-100.8947714	336040.1886055046	43241.51640312197	3064.552566465241	2968.2541456844254	2965.0153951719844	29.75493270625193	7.8532067342222	
523	1	-26421.14133	79239.3170250766	39.05106624823429	-100.8924482	336241.2437816892	43241.47564518978	3066.4964208821048	2963.675178588033	2967.02776065318	2.821242234071453	0	
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525	1	-25011.14133	79239.3170250766	39.051069745792915	-100.8878017	336643.356450977	43241.3936804887	3060.0623704014773	2962.993716287214	2967.440131	6.062617937003081	2.922428109956733	
526	1	-24441.14133	79239.3170250766	39.05107143	-100.8854785	336844.4085072965	43241.3559740435	3058.92509959263	2961.28419609715	2966.17642015255	29.75493270625193	7.8532067342222	
527	1	-23781.14133	79239.3170250766	39.051073126323615	-100.883153	337044.45164549996	43241.312226201192	3058.92509959263	2960.578431981655	2964.375128581564	29.75493270625193	7.8532067342222	
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531	1	-21141.14133	79239.3170250766	39.05107917772082	-100.8738623	337849.67644632575	43241.1725519613	3044.504187501205	2952.56417727092	2952.8958062407076	29.75493270625193	7.8532067342222	
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534	1	-19161.14133	79239.3170250766	39.05108382701319	-100.8668928	338470.902209874	43241.0302058999	3036.07563	2946.5209445890982	2947.239095450082	29.75493270625193	7.8532067342222	
535	1	-18501.14133	79239.3170250766	39.051085456215835	-100.8645694	338653.8934969883	43240.99836121657	3032.958246275146	2945.667592785103	2942.8015576562764	29.75493270625193	7.8532067342222	
536	1	-17841.14133	79239.3170250766	39.051085803657436	-100.8622462	338854.946813829	43240.9585219365	3029.546796925843	2943.948307121362	2937.2795678194084	29.75493270625193	7.8532067342222	
537	1	-17181.14133	79239.3170250766	39.05108694226175	-100.8599229	339055.995357714	43240.918868793	3026.134910104923	2942.2303180694876	2929.77529013349	29.75493270625193	7.8532067342222	
538	1	-16521.14133	79239.3170250766	39.051088139922086	-100.8575997	339257.0523217357	43240.897885	3022.130950254622	2940.512097422907	2927.812009729097	29.75493270625193	7.8532067342222	
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542	1	-13881.14133	79239.3170250766	39.051092273976984	-100.8483067	340061.2619514924	43240.7195213933	3013.6620591743012	2933.643160799582	2921.242358873726	29.75493270625193	7.8532067342222	
543	1	-13221.14133	79239.3170250766	39.05109315308525	-100.8459835	340262.313665349	43240.6790246588	3011.979203048302	2931.932824604076	2917.3326722996812	29.75493270625193	7.8532067342222	
544	1	-12561.14133	79239.3170250766	39.05109407176721	-100.8436603	340463.3658232874	43240.6037741939	3010.41493965126	2930.2039257180895	2915.508545800448	29.75493270625193	7.8532067342222	
545	1	-11901.14133	79239.3170250766	39.051094903335395	-100.841337	340664.41752637695	43240.5600597349	3014.9506708639483	2928.4035303104796	2911.994226667688	29.75493270625193	7.8532067342222	
546	1	-11241.14133	79239.3170250766	39.05109569	-100.8390738	340865.48917196154	43240.505623	3013.895404771772	2926.76238737456	2909.50894610877	29.75493270625193	7.8532067342222	
547	1	-10581.14133	79239.3170250766	39.0510964306053	-100.83653	341066.5236198779	43240.45128819157	3012.840719897974	2925.04272858125	2907.728517487566	29.75493270625193	7.8532067342222	
548	1	-9961.14133	79239.3170250766	39.05109712887345	-100.8343673	341267.571799252	43240.40845932615	3011.910964861297	2923.322331615134	2907.192805327676	29.75493270625193	7.8532067342222	
549	1	-9261.14133	79239.3170250766	39.05109776987716	-100.8320441	341468.6228038793	43240.4077648555	3011.48476259792	2921.604250734504	2902.579646378802	29.75493270625193	7.8532067342222	
550	1	-8601.14133	79239.3170250766	39.051098381891074	-100.8297209	341669.673	43240.4006116588	3011.0855640733855	2919.882554506997	2901.66204623917	29.75493270625193	7.8532067342222	
551	1	-7941.14133	79239.3170250766	39.0510985053758	-100.8273876	341870.725786077	43240.3611476703	3014.33898414755	2918.179319414755	2906.364084616413	29.75493270625193	7.8532067342222	
552	1	-7281.14133	79239.3170250766	39.05109946013184	-100.8250744	342107.1751961127	43240.3213338985	3013.206227945346	2916.47687547227	2905.450788617728	29.75493270625193	7.8532067342222	
553	1	-6621.14133	79239.3170250766	39.0510999481592	-100.8227519	342272.658964864	43240.2815949157	3012.02612549187	2914.764585928554	2903.75793939354	29.75493270625193	7.8532067342222	
554	1	-5961.14133	79239.3170250766	39.05110033835209	-100.8204272	342473.8759592515	43240.2417694475	3010.94473402713	2913.104395	2902.75325722505	29.75493270625193	7.8532067342222	
555	1	-5301.14133	79239.3170250766	39.051101025269	-100.8181047	342674.9261465174	43240.2001887846	3011.3386376909616					

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM_X	UTM_Y	SurfLen_r	W.Lt	BRIEVLtKgr.f	BRIEVLtKgr.f	SatHtKgr.f	SatHtKgr.f
631	1	631	4485.85867307335	792397.3170250766	-30.5098950323946	-100.641539	357954.3039036066	4232718.12956237	2885.1728341735284	2777.4730468485054	2777.4705007247157	2777.3763048471387	19.667142003415393	
632	1	632	4515.85867307335	792397.3170250766	-30.50959419772734	-100.6392158	358155.3425385027	423370.141267001	2885.4898268810726	2774.0153955122854	2774.2971492919537	2772.793944212031726	23.2255157657006	
633	1	633	4617.85867307335	792397.3170250766	-30.5096238748864	-100.6368919	358356.3813566615	423270.1517917953	2891.8068111861633	2781.8043712044522	2780.6203710341977	2770.0337381708778	24.1852383138421	
634	1	634	4683.85867307335	792397.3170250766	-30.509892	-100.6345693	358557.4020875574	423307.265	2895.12383	2793.9477701361334	2767.969702875977	2767.4323023	25.9777726053568	
635	1	635	4749.85867307335	792397.3170250766	-30.5098589168305	-100.6322461	358758.4588071707	423270.254477515	2896.2803776037144	2792.8913249041525	2765.381693637787	2760.0249049557695	27.50963126636543	
636	1	636	4815.85867307335	792397.3170250766	-30.5098273984112	-100.6299229	358959.4971895674	423307.1405751291	2893.8145751291	2791.871705415231	2762.9830790528558	2762.73247701146	28.423341715	
637	1	637	4881.85867307335	792397.3170250766	-30.509794312653	-100.6279956	359160.53543505125	423364.322661342	2894.33632188435	2790.74517503807	2760.740516708235	2760.1386575599777	29.983604374851802	
638	1	638	4847.85867307335	792397.3170250766	-30.5097611539256	-100.6252574	359361.57354373205	423306.300661361	2893.35757052406	2789.61247018168	2768.53759229148	2757.0464461203646	31.04779225400334	
639	1	639	4913.85867307335	792397.3170250766	-30.5097271507597	-100.6229532	359562.6115158464	423268.387620636	2892.147815569815	2788.1458457989154	2766.3012571714266	2754.8943765952526	32.8111882	
640	1	640	4978.85867307335	792397.3170250766	-30.5096923874863	-100.62063	359763.649351541	423268.42042235	2890.70807135902	2787.3457328722	2753.3496314231206	2751.79024464573	33.9851216670134	
641	1	641	5059.85867307335	792397.3170250766	-30.5095650754162	-100.6183077	359964.6805118424	423267.845125144	2889.2657891116927	2786.1710041	2751.6217266360313	2750.06908161588	34.55876437154893	
642	1	642	5211.85867307335	792397.3170250766	-30.5096226643763	-100.6159835	360165.7246181876	423267.44269458	2887.8247028042945	2784.96346715843	2752.3262373765395	2748.51116601702	36.226123930343	
643	1	643	5277.85867307335	792397.3170250766	-30.5095872051333	-100.6136603	360366.7602420174	423267.50294874	2886.17784230874	2783.806336020646	2750.8770123593	2749.738117472007	32.92692477205312	
644	1	644	5343.85867307335	792397.3170250766	-30.5095510969024	-100.611337	360567.79935304	423266.55461675	2884.1447802321	2782.618251919835	2749.5647945779676	2748.465603	34.06487941230754	
645	1	645	5409.85867307335	792397.3170250766	-30.509514399456	-100.6090138	360768.45499402357	423266.58489758	2882.177127121655	2781.4390348081345	2748.407854497304	2747.341630237404	33.0301803023214	
646	1	646	5478.85867307335	792397.3170250766	-30.5094475342623	-100.606906	360969.873138806	423268.5214951108	2880.19677382167	2780.2743255246364	2744.400190432603	2743.26422571403	35.871434811613	
647	1	647	5541.85867307335	792397.3170250766	-30.50940407985336	-100.604374	361170.9104008844	423265.564680284	2878.217615381028	2779.1162488148	2744.1942951413725	2743.079838261704	33.9232974	
648	1	648	5607.85867307335	792397.3170250766	-30.5094021767184	-100.602441	361371.94173100304	423265.6909215925	2876.225470770222	2778.16169048463	2743.19572861937	2742.4236547933082	34.7659097	
649	1	649	5673.85867307335	792397.3170250766	-30.50936382485745	-100.5997209	361572.9837706647	423264.72534075	2874.283719902176	2776.8038012371226	2741.828609	2740.558801976515	34.9751810302444	
650	1	650	5738.85867307335	792397.3170250766	-30.5093325024706	-100.5973977	361774.0202540066	423264.76020052	2873.6430207296094	2774.6530207296094	2741.33661039811	2740.152588399124	34.94941034	
651	1	651	5805.85867307335	792397.3170250766	-30.5092577495846	-100.5950745	361975.056032346	423263.794284631	2870.7117521984633	2774.479584157447	2747.971999730551	2744.3601307073427	35.077868519285	
652	1	652	5817.85867307335	792397.3170250766	-30.5092461765022	-100.5927153	362176.0528184587	423263.794284631	2868.620073957174	2773.315814631461	2744.5987134684474	2744.0603230307424	35.710511631574	
653	1	653	5839.85867307335	792397.3170250766	-30.509218212695	-100.590221	362389.588953852	42325.793099571	2859.96458517891	2772.4345469713821	2742.91616978502	2742.155917011423	34.2755050012667	
654	1	654	6038.85867307335	792397.3170250766	-30.50915133466754	-100.5881048	362576.164842574	423263.90178563	2867.94537389605	2770.67026467137	2746.387645349306	2746.235345	25.8861892178311	
655	1	655	6098.85867307335	792397.3170250766	-30.509114290430044	-100.5857816	362779.2006304604	423263.90178563	2865.88293661924	2769.80530887854	2746.1995279819155	2746.225840621527	23.990669636328	
656	1	656	6135.85867307335	792397.3170250766	-30.50908279751305	-100.5834584	362980.236447461	423261.9172206125	2864.125015738893	2768.63259542141	2745.66131313653	2745.7508142009887	22.9714614897679	
657	1	657	6201.85867307335	792397.3170250766	-30.50904058587476	-100.5811351	363181.271893549	423261.90683367	2862.267503518597	2767.451490815915	2745.010905980284	2745.248243149811377	22.88178122052047	
658	1	658	6276.85867307335	792397.3170250766	-30.508996454578	-100.5788119	363382.307309675	423261.042907288	2860.404711988617	2766.264952605925	2743.9483197148044	2743.6807823230285	22.3363023178626	
659	1	659	6338.85867307335	792397.3170250766	-30.5089565263418	-100.5764921	363589.56283084	423260.787892367	2858.0767289145343	2765.110295728865	2742.91695749412	2742.91695749412	22.14696858448635	
660	1	660	6399.85867307335	792397.3170250766	-30.5089173435015	-100.5741655	363784.7744697184	423260.787892367	2856.03174105569	2764.709911758954	2742.91695749412	2742.91695749412	22.14696858448635	
661	1	661	6458.85867307335	792397.3170250766	-30.5088686	-100.5718422	363985.4127636434	423259.152	2853.04315338363	2762.795925272506	2739.350340743346	2739.696335258556	22.2339119855575	
662	1	662	6531.85867307335	792397.3170250766	-30.508824166456	-100.5695919	364186.4475513548	423259.152	2850.4695366236	2761.584691	2738.1230912745446	2738.232131663523	22.45294984802503	
663	1	663	6597.85867307335	792397.3170250766	-30.508779726302	-100.5671958	364387.4824070996	423259.152	2847.8652932012743	2760.409591554826	2738.1230912745446	2738.232131663523	22.45294984802503	
664	1	664	6663.85867307335	792397.3170250766	-30.5087374699905	-100.5648726	364588.5170313751	423259.152	2845.3135663511	2759.2347523516296	2738.1230912745446	2738.232131663523	22.45294984802503	
665	1	665	6728.85867307335	792397.3170250766	-30.5086981642958	-100.5625944	364789.5515245949	423259.152	2842.594242123748	2758.060284	2734.27514709869	2734.392058184443	22.668257115584	
666	1	666	6793.85867307335	792397.3170250766	-30.50864318212695	-100.560221	364990.588953852	42325.793099571	2839.96458517891	2756.86458517891	2732.4345469713821	2732.4345469713821	22.14696858448635	
667	1	667	6861.85867307335	792397.3170250766	-30.508579592326	-100.5579203	365191.021747377	42325.793099571	2837.71561431257	2754.1240149827	2730.64959	2730.64959	22.14696858448635	
668	1	668	6927.85867307335	792397.3170250766	-30.508549816857	-100.5555797	365392.6542179418	423257.41100865	2835.805460571714	2754.54003886957	2732.7789367501	2732.7789367501	22.14696858448635	
669	1	669	6993.85867307335	792397.3170250766	-30.5085065523237	-100.5532565	365593.688179665	423257.41100865	2833.7919900251	2753.79224061243	2727.2005073921805	2727.2005073921805	22.14696858448635	
670	1	670	7059.85867307335	792397.3170250766	-30.50845478023724	-100.5509333	365794.7220275424	423256.48662074	2832.130113419306	2752.196576	2724.8674683331806	2724.8674683331806	22.14696858448635	
671	1	671	7125.85867307335	792397.3170250766	-30.5084065542695	-100.5486011	365995.755737055	423256.48662074	2831.53535811979	2751.02604508752	2722.98819371098	2722.98819371098	22.14696858448635	
672	1	672	7191.85867307335	792397.3170250766	-30.50835873893026	-100.546268	366196.7891714307	423256.48662074	2829.9635394516	2749.8657089198	2721.61343436278	2721.61343436278	22.14696858448635	
673	1	673	7257.85867307335	792397.3170250766	-30.50831045812695	-100.543924	366397.84581264	423256.48662074	2827.9145812695	2748.799145812695	2720.64959	2720.64959	22.14696858448635	
674	1	674	7323.85867307335	792397.3170250766	-30.5082591926273	-100.541604	366598.85185385374	423256.48662074	2825.935205571	2747.519670644595	2717.7140118329471	2717.7140118329471	22.14696858448635	
675	1	675	7389.85867307335	792397.3170250766	-30.50820917392116	-100.5393172	366799.889801981	423253.437626183	2823.12340679465	2746.362521371563	2715.973937431002	2715.973937431002	22.14696858448635	
676	1	676	7455.85867307335	792397.3170250766	-30.508158706417	-100.536994	367000.924244414	423253.437626183	2821.584574881903	2745.1854274881903	2713.76022192036	2713.76022192036	22.14696858448635	
677	1	677	7521.85867307335	792397.3170250766	-30.5081077903326	-100.5346707	367201.953576807	423235.75609222	2820.054347356933	2744.018923	2710.642965713802	2710.642965713802	22.14696858448635	
678	1	678	7578.85867307335	792397.3170250766	-30.5080564254616	-100.5323475	367402							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgs.f	BREIElevKgs.f	SatHtElev.f	SatHtBoth.f
17	2	757	-360381.1413	7905057.3120250766	39.046225491285504	-102.0679592	234486.5349	4236386.731	4236386.731	409.458607711192	3862.463030033444	3869.4613713950473	3862.46303193075283	3869.4613713950473
18	2	758	-359721.1413	7905057.3120250766	39.046249968922663	-102.0696363	234487.69668771082	4236382.34739561	4018.719324553127	3866.57890686745	3867.4773776054945	3867.1095778181777	3866.57890686745	3867.1095778181777
19	2	759	-359561.1413	7905057.3120250766	39.046274403230623	-102.0693136	234488.85866954528	4236383.5748349236	4013.263159071388	3865.5781328779173	3869.12543545814	3869.12543545814	3865.5781328779173	3869.12543545814
20	2	760	-359401.1413	7905057.3120250766	39.0462396790524254	-102.0690966	235000.019966631	4236374.506057236	4005.126655116116	3863.6112818503562	3862.878633392425	3862.110933385696	3862.110933385696	3862.878633392425
21	2	761	-357741.1413	7905057.3120250766	39.046323133880655	-102.0686677	235291.181164141	4236370.343373408	3996.991602530313	3862.116605050592	3861.566843	3866.23654694891485	3866.23654694891485	3861.566843
22	2	762	-357081.1413	7905057.3120250766	39.046343743235453	-102.0656348	235492.34602329536	4236367.468379378	3985.35653395454	3860.613478666744	3859.420771167243	3864.654143097261	3859.420771167243	3860.613478666744
23	2	763	-356421.1413	7905057.3120250766	39.04637168608045	-102.0540422	235693.502706274	4236362.300965838	3983.66468853133	3859.10282714806	3857.5188470970943	3862.671773932965	3857.5188470970943	3862.671773932965
24	2	764	-355761.1413	7905057.3120250766	39.046378468477974	-102.0516991	235844.6639767453	4236358.32295184	3984.428468877063	3858.534649269737	3855.511144040473	3860.678718547243	3855.511144040473	3860.678718547243
25	2	765	-355101.1413	7905057.3120250766	39.046274403230623	-102.0483769	236065.9219454878	4236354.165	3985.671584752042	3856.671584752042	3853.367025326243	3858.4984975686235	3853.367025326243	3858.4984975686235
26	2	766	-354441.1413	7905057.3120250766	39.04644417773684	-102.0470633	236296.9634754792	4236350.0983347	3875.854521	3855.114420802933	3856.30725774349	3860.22329297271	3855.114420802933	3860.22329297271
27	2	767	-353781.1413	7905057.3120250766	39.0464685192527	-102.0447304	236486.1426384816	4236349.02930705	3872.272378	3852.9808580928798	3847.7838412022777	3852.5386002407448	3847.7838412022777	3852.5386002407448
28	2	768	-353121.1413	7905057.3120250766	39.0464922124638	-102.0424075	236699.3019686459	4236341.96752328	3865.14433189659	3851.4307910226858	3845.3642685237073	3850.022410412442	3845.3642685237073	3850.022410412442
29	2	769	-352461.1413	7905057.3120250766	39.04651626571809	-102.0400847	236900.46130715355	4236337.89461937	3958.0147832754679	3849.673923755477	3842.8604180465754	3840.34066957747	3842.8604180465754	3840.34066957747
30	2	770	-351801.1413	7905057.3120250766	39.04654020530799	-102.0377618	237101.6189445782	4236333.82733791	3950.8855442507775	3847.39111632684	3840.3198912250796	3844.59962660742361	3840.3198912250796	3844.59962660742361
31	2	771	-351141.1413	7905057.3120250766	39.04656410005755	-102.0354389	237302.7789111103	4236329.730773804	3943.64589866585	3846.739161888598	3837.913655182247	3841.346597287059	3837.913655182247	3841.346597287059
32	2	772	-350481.1413	7905057.3120250766	39.04658794993317	-102.033161	237503.7677097115	4236325.093358962	3938.7555159736394	3845.16077930567	3835.89020621962	3839.37025964482	3835.89020621962	3839.37025964482
33	2	773	-349821.1413	7905057.3120250766	39.046611175446554	-102.0307391	237705.0946023564	4236321.627	3928.04514527894	3843.574543	3833.5305713416024	3834.425243304614	3833.5305713416024	3834.425243304614
34	2	774	-349161.1413	7905057.3120250766	39.04663551509777	-102.0284702	237906.252674018	4236317.56500751	3920.334774587349	3841.93587501004	3832.59707579289	3832.59707579289	3841.93587501004	3832.59707579289
35	2	775	-348501.1413	7905057.3120250766	39.04665920038671	-102.0261473	238107.410072581	4236313.49402738	3919.25636024177	3840.392623368441	3829.5170744358275	3828.548781330846	3829.5170744358275	3828.548781330846
36	2	776	-347841.1413	7905057.3120250766	39.04668290081337	-102.0238244	238308.56731773677	4236309.428079983	3917.4050323347006	3838.798990468713	3828.041918648294	3827.4667	3828.041918648294	3827.4667
37	2	777	-347181.1413	7905057.3120250766	39.046705626377676	-102.0219105	238509.7430328163	4236305.362181794	3911.121126106983	3837.201461	3827.018143776283	3826.6432681752482	3827.018143776283	3826.6432681752482
38	2	778	-346521.1413	7905057.3120250766	39.04673010707964	-102.0191786	238710.8810257845	4236301.296237181	3922.96329799266	3835.599502636034	3824.740606291179	3826.369115125482	3835.599502636034	3824.740606291179
39	2	779	-345861.1413	7905057.3120250766	39.04675405333176	-102.0169218	238917.1870864964	4236297.23064742	3924.905711393578	3832.9625511393578	3822.5797365404297	3826.369115125482	3824.905711393578	3822.5797365404297
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41	2	781	-344541.1413	7905057.3120250766	39.046800500010675	-102.0122099	239314.3406530199	4236289.09935074	3910.097328703678	3830.7617447354496	3816.692354463715	3815.7925507257644	3816.692354463715	3815.7925507257644
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43	2	783	-343221.1413	7905057.3120250766	39.04684733765199	-102.0075641	239716.607729406	4236280.969893741	3897.00899634628	3829.505475086095	3804.782628808997	3822.371780624382	3829.505475086095	3804.782628808997
44	2	784	-342561.1413	7905057.3120250766	39.046870649178686	-102.0052412	239917.8158499806	4236276.9050411815	3887.382030261754	3825.866641	3796.366540541302	3796.4981751615303	3796.366540541302	3796.4981751615303
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46	2	786	-341241.1413	7905057.3120250766	39.04691713764309	-102.0005544	240320.153225678	4236268.1532461921	3884.106354554983	3822.5754461921	3798.005007718442	3826.5501794238495	3822.5754461921	3798.005007718442
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48	2	788	-339921.1413	7905057.3120250766	39.04696344665815	-101.9959496	240722.4340657068	4236260.64750721	3877.5811965796713	3819.216997163355	3778.5228352680065	3776.36240774843	3819.216997163355	3776.36240774843
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52	2	792	-337281.1413	7905057.3120250766	39.0470562533176	-101.9866578	241527.048977021	4236244.302304623	3837.67810345145	3812.408471153514	3768.073695404297	3764.881130514909	3812.408471153514	3768.073695404297
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54	2	794	-335961.1413	7905057.3120250766	39.04710126990505	-101.982012	241929.353	4236236.29618025	3830.733627063503	3808.92553007265	3766.3178073746294	3757.458195754247	3808.92553007265	3757.458195754247
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56	2	796	-334641.1413	7905057.3120250766	39.04714688196735	-101.9773662	242331.6579668058	4236228.140409378	3801.307944745486	3805.3908813126354	3754.223401915339	3752.25728895411	3801.307944745486	3752.25728895411
57	2	797	-333981.1413	7905057.3120250766	39.04716981605066	-101.9750433	242532.890822816	4236224.07793368	3803.01624565878	3803.6022345821366	3751.4554019137673	3751.4554019137673	3803.01624565878	3751.4554019137673
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59	2	799	-332661.1413	7905057.3120250766	39.04721682979568	-101.9703985	242935.152179561	4236216.131798561	3801.67810345145	3800.24978798561	3746.89241398561	3742.3302919454	3801.67810345145	3742.3302919454
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61	2	801	-331341.1413	7905057.3120250766	39.04726008110543	-101.9657515	243337.414	4236207.82868						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogKrg.ft	BREIEVBothKrg.ft	SatHtVLogKrg.ft	SatHtBoth.ft	
143	2	883	-277221.1413	7905057.310250766	39.04895641329306	-101.7752664	259830.93427727136	4325875.310260133	3621.5812803459588	3589.9386689596685	3519.2380928218136	3523.848488231038	80.34577407385495	75.73538161
144	2	884	-276561.1413	7905057.310250766	39.04895723834823	-101.7729434	260032.46624629304	4325871.263	3618.653026578182	3596.701940704029	3516.986851290125	3576.034278030436	75.07359788991247	70.07359788991247
145	2	885	-275901.1413	7905057.310250766	39.0489587546661	-101.7696294	260233.19481987405	4325867.2184368747	3615.7265729107934	3593.0045771806635	3514.985458721179	3518.1785523848315	74.20819248371322	69.0489587546661
146	2	886	-275241.1413	7905057.310250766	39.04901253585864	-101.7672934	260434.32472171527	4325871.766740508	3616.471846466884	3595.051048040786	3517.2682391680806	3517.9962512196044	73.7634281797757	68.0489587546661
147	2	887	-274581.1413	7905057.310250766	39.049031444313776	-101.7659743	260635.45543952227	4325859.119011399	3611.321493742414	3588.18533	3512.1688225617527	3516.780486363736	70.1650761437746	71.0489587546661
148	2	888	-273921.1413	7905057.310250766	39.049050009902174	-101.7636512	260836.5838319966	4325870.1474662	3605.307645106286	3511.1618248515807	3511.1618248515807	3514.7036059018014	70.1608404588272	70.1608404588272
149	2	889	-273261.1413	7905057.310250766	39.0490680062383	-101.7613282	261037.713031951	4325851.024	3611.2653004788306	3514.042396638756	3514.042396638756	3517.42396638756	68.0489587546661	64.9901601385192
150	2	890	-272601.1413	7905057.310250766	39.04907874647865	-101.7590051	261238.84195838472	4325846.9768162705	3611.2720324344844	3579.520158808114	3515.038027190758	3518.216189128802	64.48786869	61.30892672000485
151	2	891	-271941.1413	7905057.310250766	39.04910755746661	-101.7566622	261439.87072250184	4325842.384168158	3616.471846466884	3595.0510480786	3518.1785523848315	3518.1785523848315	68.0489587546661	64.9901601385192
152	2	892	-271281.1413	7905057.310250766	39.049124225377704	-101.7543459	261641.0921350784	4325838.8824626	3617.5961190977727	3513.928045629373	3517.284125345538	3516.471846466884	56.4120546754258	56.4120546754258
153	2	893	-270621.1413	7905057.310250766	39.049142648441886	-101.752036	261842.2274866038	4325834.38109271	3617.34330030673	3570.7651275348812	3519.4368833505143	3522.375846	51.32324384369664	48.3892015426132
154	2	894	-269961.1413	7905057.310250766	39.04916102122908	-101.7497129	262043.3548800745	4325830.798537597	3567.84736228017	3567.84736228017	3519.4368833505143	3519.4368833505143	51.32324384369664	51.32324384369664
155	2	895	-269301.1413	7905057.310250766	39.04917935274934	-101.7473899	262244.2847219076	4325826.743	3566.395783440915	3564.8742180416325	3538.26228503247	3540.3073251805454	56.59095919307784	26.59095919307784
156	2	896	-268641.1413	7905057.310250766	39.04919763940257	-101.7450568	262445.6102602505	4325822.66980216	3663.155664639274	3561.914937632731	3548.948693213935	3548.948693213935	10.2659973903597387	11.101137141020445
157	2	897	-267981.1413	7905057.310250766	39.04921588118715	-101.7427438	262646.73813044028	4325818.650814484	3668.9176272618376	3558.9476218376	3561.225966528047	3563.187149639907	0	0
158	2	898	-267321.1413	7905057.310250766	39.04923407810778	-101.7404207	262847.8652126824	4325814.604040042	3676.6781325746005	3555.973487980702	3570.941192835943	3573.3744594763025	0	0
159	2	899	-266661.1413	7905057.310250766	39.0492522015975	-101.7380976	263048.9925064644	4325810.159158915	3679.044138781594	3552.992404103114	3565.647635411294	3568.913071	0	0
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161	2	901	-265341.1413	7905057.310250766	39.0492883967111	-101.7334515	263451.24514132977	4325802.486422474	3674.9865975176555	3547.0099758762857	3532.683727266876	3534.8271458819313	14.26267749688057	12.18230390434358
162	2	902	-264681.1413	7905057.310250766	39.04930647112147	-101.7311284	263652.3712845855	4325798.4122111695	3672.95782687851	3544.00868583977295	3517.908317300557	3520.272006966734824	23.370277273479	23.370277273479
163	2	903	-264021.1413	7905057.310250766	39.04932438970457	-101.7288054	263853.4912896134	4325794.372929131	3670.1065344114316	3540.9980814114316	3504.989861042858	3507.70179182309	31.202111592318	33.2908222882725
164	2	904	-263361.1413	7905057.310250766	39.049342147020378	-101.7264823	264054.6269261474	4325790.332910348	3657.430019095591	3537.96212548341	3497.739662213133	3497.739662213133	40.246221270781	40.246221270781
165	2	905	-262701.1413	7905057.310250766	39.04936002026887	-101.7241583	264255.8269261474	4325786.2184368747	3648.9176272618376	3534.96212548341	3497.739662213133	3497.739662213133	49.338432779147	49.338432779147
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169	2	909	-260061.1413	7905057.310250766	39.04943128288856	-101.714867	265060.2477339627	4325770.11790502	3616.01303126981	3522.7037176690384	3459.64662329518	3463.12365531420196	61.59262085193632	61.59262085193632
170	2	910	-259401.1413	7905057.310250766	39.04944984150023	-101.7125439	265261.37200997164	4325766.067	3600.7821778223	3519.703812832301	3454.057618749613	3454.057618749613	65.6501369573378	65.6501369573378
171	2	911	-258741.1413	7905057.310250766	39.0494674150023	-101.7102628	265462.49846291494	4325762.1050496	3598.798824	3516.629194149416	3448.882158125954	3451.98717021588	69.338432779147	69.338432779147
172	2	912	-258081.1413	7905057.310250766	39.04948412350023	-101.7078787	265663.6196552634	4325757.97508522	3590.104827478525	3513.5474269018	3446.06774035575	3448.2181911440524	74.9700175	75.02899154612945
173	2	913	-257421.1413	7905057.310250766	39.04950167482902	-101.7055747	265864.7344545481	4325753.30670739	3589.014052094867	3510.456209394867	3439.5510835639716	3443.5361747377115	70.90051273069563	66.9203455175576
174	2	914	-256761.1413	7905057.310250766	39.04951912687007	-101.7032516	266065.8667938283	4325749.89201814	3578.516833845054	3507.3577428599947	3427.1142282	3427.1142282	80.2420245573475	80.3600875616073
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176	2	916	-255441.1413	7905057.310250766	39.049553960349186	-101.6989055	266468.1127965144	4325741.80772491	3546.1375478573063	3501.1376533769693	3418.8978142973497	3421.7343032569643	82.23983097303526	79.40335012
177	2	917	-254781.1413	7905057.310250766	39.0495712547817	-101.6966224	266669.23545126314	4325737.76400414	3544.68554404028	3500.016162271276	3423.379519376114	3426.5531998185734	74.53686249366443	74.53686249366443
178	2	918	-254121.1413	7905057.310250766	39.049589050579015	-101.6943693	266870.3577572221	4325733.72136503	3543.161642280	3494.887091261872	3422.01630135654	3425.5447811261808	82.9187411261808	82.9187411261808
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180	2	920	-252801.1413	7905057.310250766	39.04962308894504	-101.6899313	267272.6023015855	4325725.6367915	3538.8967970225	3500.05907676266	3413.361907191301	3414.4048791944471	75.2244006832577	74.19711593215561
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182	2	922	-251481.1413	7905057.310250766	39.04965734360156	-101.6854667	267674.845267509	4325717.55232395	3532.207774459297	3482.2941150112143	3407.040292264025	3407.040292264025	75.2244006832577	74.19711593215561
183	2	923	-250821.1413	7905057.310250766	39.049674419191133	-101.6832439	267875.9654603292	4325713.10843071	3529.71310843071	3519.71310843071	3405.92489744965	3405.92489744965	75.2244006832577	74.19711593215561
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185	2	925	-249501.1413	7905057.310250766	39.04970845390768	-101.678768	268277.96829800476	4325704.392900476	3516.458158125954	3494.882158125954	3400.1246350841732	3400.1246350841732	75.2244006832577	74.19711593215561
186	2	926	-248841.1413	7905057.310250766	39.04972537567624	-101.6765376	268479.3288300956	4325700.3846309	3514.470326257474	3493.90676763344	3400.1246350841732	3400.1246350841732	75.2244006832577	74.19711593215561
187	2	927	-248181.1413	7905057.310250766	39.04974227143523	-101.6743015	268680.4833930693	4325697.3434286	3513.620950414828	3492.846335578088	3400.1246350841732	3400.1246350841732	75.2244006832577	74.19711593215561
188	2													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevBothKgr.f	SatThKgr.f	SatThBoth.f
269	2	1009	-194061.1413	7905057130250766	39.05097505487767	-101.4825547	285171.5591193014	4232366.3458484762	3369.8605570494697	3225.5808684257361	3226.0286180681765	3196.632635858878	0	28.94720989483256
270	2	1010	-193401.1413	7905057130250766	39.050888264466858	-101.4802219	2853276.5611854855	4232362.507242883	3369.3519355404073	3224.657492782442	3227.420873628914	3197.0246410753789	0	27.633031707062855
271	2	1011	-192781.1413	7905057130250766	39.05101441509316	-101.477804	285523.7638496284	4232358.479565493	3372.683249685818	3223.74401819221602	3235.4856554514327	3196.33744565415327	0	17.7065584882779
272	2	1012	-192081.1413	7905057130250766	39.05101441509316	-101.475852	285734.8646834967	4232354.452852583	3379.855022235674	3224.80179375525	3234.586762705913	3204.06461216357	0	16.36387735898483
273	2	1013	-191421.1413	7905057130250766	39.05102742509078	-101.473262	285975.9661157182	4232350.425804149	3387.0266305513173	3221.945110717854	3235.4262403043678	3206.764667698847	0	15.180443018986362
274	2	1014	-190761.1413	7905057130250766	39.051040444217904	-101.470389	286177.0673364347	4232346.399	3394.198232879073	3221.058434726235	3236.027865	3206.435267733804	0	14.62260118980169
275	2	1015	-190101.1413	7905057130250766	39.051053391474525	-101.4686157	286378.1683	4232342.373	3396.1364458305374	3220.180361220534	3236.422454001995	3206.436177132586	0	13.74418450727535
276	2	1016	-189441.1413	7905057130250766	39.05106623860615	-101.466229	286579.24952346	4232338.346045613	3389.841269330277	3219.3114657863223	3236.63951483151	3199.378406011154	0	19.91625707208677
277	2	1017	-188781.1413	7905057130250766	39.051079151376185	-101.463869	286780.3697372777	4232334.191755008	3382.683249685818	3218.4529572203064	3236.69807276536	3205.595972125376	0	12.845888504788829
278	2	1018	-188121.1413	7905057130250766	39.0510919640421104	-101.461462	286981.4701118895	4232330.239328925	3379.2509163795396	3217.602513780998	3236.621834072054	3205.402780136756	0	12.1950269332009
279	2	1019	-187461.1413	7905057130250766	39.051104731795455	-101.459323	287182.7057029614	4232326.267667078	3369.5339390135	3216.76270483875	3236.432420350245	3205.142255	0	11.620498765347525
280	2	1020	-186801.1413	7905057130250766	39.05111745469917	-101.456998	287383.7602380306	4232322.241869752	3355.411540758089	3215.935067474396	3236.150692	3200.2476293042696	0	15.68743791769973
281	2	1021	-186141.1413	7905057130250766	39.05113013273221	-101.4546786	287584.77	4232318.216	3341.28368502386	3215.1196076870838	3235.7856656234389	3202.0327323214982	0	13.08723446624533
282	2	1022	-185481.1413	7905057130250766	39.05114276589462	-101.4523534	287785.8696522981	4232314.191	3327.155824247538	3214.3165152350125	3235.35522960573	3200.63155667843	0	13.69035567169718
283	2	1023	-184821.1413	7905057130250766	39.0511553534186295	-101.4500033	287986.9865846655	4232310.165464235	3318.781084359349	3213.5259215959464	3234.8862830788967	3200.3311092769886	0	13.194812318495224
284	2	1024	-184161.1413	7905057130250766	39.05116780760723	-101.4477701	288180.6770373275	4232308.140324522	3316.159463350518	3212.7474960893286	3241.4488049992706	3203.7201410003313	0	9.070705997980257
285	2	1025	-183501.1413	7905057130250766	39.051180396157485	-101.4453389	288389.1668686886	4232302.115349196	3313.573842195227	3211.8823652719253	3240.9164100865167	3198.684646509551	0	13.29791721237416
286	2	1026	-182841.1413	7905057130250766	39.0511924983689	-101.4430607	288590.2655897359	4232300.05839249	3310.916222105333	3211.226620582234	3240.3469917205543	3196.626780681447	0	14.596839714089128
287	2	1027	-182181.1413	7905057130250766	39.0512052584553	-101.4407375	288791.3640841289	4232294.066	3305.386075070094	3210.4752623672	3239.7407428870365	3195.87277196687	0	14.50224094
288	2	1028	-181521.1413	7905057130250766	39.05121762258948	-101.4384143	288992.464701807	4232290.04140752	3296.9310316394997	3209.734292830909	3240.0391912479345	3192.324117044597	0	17.41078090449335
289	2	1029	-180861.1413	7905057130250766	39.051229941655445	-101.4360912	289193.5605481855	4232286.017089591	3288.481445772889	3208.996897	3239.512427935588	3191.786035344423	0	17.0186141593996
290	2	1030	-180201.1413	7905057130250766	39.05124221585255	-101.433738	289394.584183106	4232281.96230679	3280.031859059029	3208.265057966595	3241.10727607724	3193.567588490403	0	14.69746846419136
291	2	1031	-179541.1413	7905057130250766	39.05125445177754	-101.431448	289595.76807625	4232275.672039287	3272.938655768535	3207.538655768535	3241.921927680535	3192.1927680535	0	12.348457138801272
292	2	1032	-178881.1413	7905057130250766	39.05126626290078	-101.4291216	289796.853537455	4232273.945122005	3276.6705181577136	3206.817584254277	3239.85220490782	3181.310896389033	0	25.5067786524476
293	2	1033	-178221.1413	7905057130250766	39.05127876921542	-101.4267984	289997.9508	4232269.921461551	3277.2461522813227	3206.10786541506	3230.7391615982087	3178.6673689043775	0	27.43447179773123
294	2	1034	-177561.1413	7905057130250766	39.05129083267821	-101.4244752	290199.0478241249	4232265.89766532	3277.821786403434	3205.391525182396	3227.841703822911	3177.879947939868	0	27.411573420797915
295	2	1035	-176901.1413	7905057130250766	39.05130291376925	-101.422152	290400.1447	4232261.874633466	3275.18993206263	3204.6865259557015	3227.147137049033	3190.403509696606	0	14.28351987840918
296	2	1036	-176241.1413	7905057130250766	39.05131491873967	-101.419828	290601.2417850582	4232257.851465881	3269.3506106582515	3203.68668894631	3226.747477546292	3197.083873631233	0	6.902881613507816
297	2	1037	-175581.1413	7905057130250766	39.05132687683906	-101.4174128	290823.608769588	4232253.828462593	3263.5112821643897	3203.2925816815688	3226.047399949608	3196.313086856233	0	6.94745510882417
298	2	1038	-174921.1413	7905057130250766	39.051338734046744	-101.415128	291003.432525074	4232254.805623594	3257.948452339	3202.6432433089	3225.345824	3195.925821207301	0	12.90421096509054
299	2	1039	-174261.1413	7905057130250766	39.05135066442471	-101.412693	291204.5298268765	4232245.782048874	3251.4591310723567	3201.919684592537	3217.1363807604594	3201.24160131171	0	6.0780828613662718
300	2	1040	-173601.1413	7905057130250766	39.05136248991092	-101.4105361	291421.760438428	4232241.760438428	3244.8742814536	3201.241373838597	3216.845197187561	3196.344585968704	0	4.896451413989325
301	2	1041	-172941.1413	7905057130250766	39.051374270526004	-101.4082129	291606.7213283593	4232237.7380922465	3238.286497803375	3200.568759551047	3216.20172861327174	3194.956095990405	0	5.61186995010196
302	2	1042	-172281.1413	7905057130250766	39.05138600262995	-101.4058897	291807.8187197781	4232233.715910324	3231.70018120384	3199.920340761267	3215.5734631271403	3194.7818902496964	0	5.18345472666108
303	2	1043	-171621.1413	7905057130250766	39.05139786714274	-101.403568	292008.9150095953	4232229.684	3224.94142125653408	3199.240523140304	3214.9434632404565	3194.4987006531614	0	4.742224869428685
304	2	1044	-170961.1413	7905057130250766	39.05140934144354	-101.401433	292210.008974087	4232225.672039287	3217.9285817483987	3214.317578752727	3212.71405270259	3192.5875184213952	0	5.8751842139522
305	2	1045	-170301.1413	7905057130250766	39.05142094427162	-101.3989201	292441.1016635902	4232221.65030028	3210.9292171230963	3197.83571050473	3210.942971230963	3195.895292331369	0	5.5239097122
306	2	1046	-169641.1413	7905057130250766	39.05143250053395	-101.3965969	292612.1962	4232217.628825061	3203.97530540678	3197.2913945406778	3203.957350563802	3192.51742225396	0	4.77397232081678
307	2	1047	-168981.1413	7905057130250766	39.051444011821895	-101.3942737	292813.2906032835	4232213.607464316	3194.4766951023316	3194.4766951023316	3194.4766951023316	3194.4766951023316	0	2.225211802094218
308	2	1048	-168321.1413	7905057130250766	39.051455547843859	-101.3919505	293014.3847665754	4232209.586267786	3182.501005	3182.501005	3182.501005	3182.501005	0	0
309	2	1049	-167661.1413	7905057130250766	39.05146690008399	-101.3896273	293215.4787587526	4232205.565	3180.525314590788	3170.525314590788	3170.525314590788	3170.525314590788	0	5.18345472666108
310	2	1050	-167001.1413	7905057130250766	39.05147876859506	-101.3873041	293416.572481387	4232204.544367331	3184.54962433017	3184.54962433017	3184.54962433017	3184.54962433017	0	4.742224869428685
311	2	1051	-166341.1413	7905057130250766	39.05149034144354	-101.385178	293623.608769588	4232201.672039287	3182.9285817483987	3214.317578752727	3212.71405270259	3192.5875184213952	0	5.8751842139522
312	2	1052	-165681.1413	7905057130250766	39.051500895782216	-101.3826577	293813.7598185053	4232193.503123638	3184.749656738256	3184.749656738256	3184.749656738256	3184.749656738256	0	5.5239097122
313	2	1053	-165021.1413	7905057130250766	39.05151213795225	-101.3803345	294019.8525274006	4232189.483	3172.950408425673	3172.950408425673	3172.950408425673	3172.950408425673	0	6.0780828613662718
314	2	1054	-164361.1413	7905057130250766	39.0515233534087	-101.3780113	294220.45496458	4232185.462536646	3181.105860113089	3181.105860113089	3181.105860113089	3181.105860113089	0	5.18345472666108
315	2	1055	-163701.1413	7905057130250766	39.051534487658095	-101.3756881	294422.038029825	4232181.442489396	3189.075637514226	3189.075637514226	3189.075637514226	3189.075637514226	0	3.49849099448611
316	2	1056	-163041.1413	7905057130250766	39.05154595923876	-101.3733								

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRLEvLogKrg.f	BRLEvBothKrg.f	LatBothKrg.f	SurfBoth.f	
325	2	1135	-110901.1413	7905057.3170250766	39.05228129595478	-01.1898297	110508.8187279982	4324860.37	3126.7953032861687	3136.5930860978313	3122.285829524907	3128.494947323805	3107.2387572924234	8.098120774026848
396	2	1136	-110241.1413	7905057.3170250766	39.05228881372534	-01.1875904	110708.89972265476	4324856.36315297	3280.69195	3135.711665798087	3120.3647037996088	3126.371519267811	315.348661956996236	9.334014649005054
397	2	1137	-106891.1413	7905057.3170250766	39.05230037464798	-01.1851832	110910.1495313093	4324852.357	3278.8589	3134.822963682928	3118.463286807254	3124.263431138066	316.903014330169955	10.56559383858555
398	2	1138	-108921.1413	7905057.3170250766	39.05230371464798	-01.1826590	111121.0491541688	4324848.350074644	3276.485404067405	3130.050393283183	3114.8260160721484	3121.98477284974	319.0269267069916	11.9414004542423
399	2	1139	-108261.1413	7905057.3170250766	39.0523110779997	-01.1805367	111313.1255914363	4324844.334789591	3271.7419486619674	3130.0300001182272	3112.9257618247966	3119.888867623371	310.0429185569	13.1410249185569
400	2	1140	-107601.1413	7905057.3170250766	39.05231843607906	-01.1782134	111514.2018431367	4324840.337660044	3273.291133313055	3132.126108633955	3111.037401725516	3120.1087600841968	314.763166029041558	14.763166029041558
401	2	1141	-106941.1413	7905057.3170250766	39.05232529485254	-01.1758902	111715.2779013101	4324836.331709995	3271.863176999734	3131.2180024915626	3109.1567714006952	3115.713327513934	322.0612340699572	15.50465437
402	2	1142	-106281.1413	7905057.3170250766	39.05233246180812	-01.1735669	111916.35379173217	4324832.32591437	3270.4350206069898	3130.305866770403	3107.278090900487	3113.631182193654	320.0725766916007	16.57384673749262
403	2	1143	-105621.1413	7905057.3170250766	39.05234012181674	-01.1712871	112117.42948980762	4324828.320294064	3268.708918106752	3131.659286889299	3104.60370253556	3109.7253973243733	324.7633160940263	18.6642633858555
404	2	1144	-104961.1413	7905057.3170250766	39.05234734046527	-01.1688204	112318.5050010503	4324824.311617655	3266.495701371	3132.49393389157	3102.73611121444	3107.21267713234	320.8114046728334	20.8114046728334
405	2	1145	-104301.1413	7905057.3170250766	39.05235445380726	-01.1665971	112518.9803	4324820.30915237	3264.66032319893	3127.5452789331896	3100.433495102297	3105.145179474273	321.7178327226073	22.40010045471727
406	2	1146	-103641.1413	7905057.3170250766	39.05236152342218	-01.1642739	112720.6544729074	4324816.304371963	3262.63060256428	3126.617752848816	3098.502212133218	3103.0456748189254	321.1155370166353	23.76051015962676
407	2	1147	-102981.1413	7905057.3170250766	39.0523685759066	-01.1619506	112921.73044379885	4324812.299394371	3260.7438800250456	3125.686561508155	3096.540199756619	3100.9214908289299	314.4636355166225	24.75057025811985
408	2	1148	-102321.1413	7905057.3170250766	39.05237552686613	-01.1596274	113122.8050208399	4324808.29480906	3258.983735602149	3124.75140047238	3089.6721924578414	3103.3496723056182	315.079387693965	31.40190716119652
409	2	1149	-101661.1413	7905057.3170250766	39.05238246130896	-01.1573041	113323.87890153016	4324804.28993025	3257.472394598453	3123.8121289	3087.6445985604105	3091.2089723409915	316.6779655769566	32.60357671688505
410	2	1150	-101001.1413	7905057.3170250766	39.05238935858004	-01.1548089	113524.0542107779	4324800.285443713	3255.46344676638	3122.86774796849	3085.572831759291	3089.032428	319.290130375879	33.83631092870135
411	2	1151	-100341.1413	7905057.3170250766	39.05239619553443	-01.152676	113726.028438874	4324796.281120218	3253.60146176781	3121.820365693465	3083.964603710316	3087.4327828314	319.3930019831484	34.841122741513
412	2	1152	-99681.1413	7905057.3170250766	39.05240395337786	-01.1503433	113927.10248060205	4324792.27660139	3251.63484917137	3120.96661316019	3085.035455505864	3088.32749070077	315.20572243242	32.6389721100114
413	2	1153	-99021.1413	7905057.3170250766	39.0524097026807	-01.1480111	114128.1763450676	4324784.272963462	3249.675256257965	3120.007157214978	3086.021995215316	3086.17508219041	315.4016199966214	33.7124819993713
414	2	1154	-98361.1413	7905057.3170250766	39.052416460325276	-01.1456878	114329.25	4324782.289130183	3247.71197585981	3119.041304878396	3084.176216522753	3079.97591750713	314.48605380360834	33.9653820726554
415	2	1155	-97701.1413	7905057.3170250766	39.05242312509385	-01.1433364	114530.323140227	4324780.2651960829	3245.98166082879	3118.0882115051395	3073.352686411854	3079.3059689595862	314.7156428395415	38.7584324059538
416	2	1156	-97041.1413	7905057.3170250766	39.0524294582369	-01.1410413	114731.3969274552	4324780.7626191789	3244.094352105036	3117.066595958183	3071.249173719572	3071.01511082673	314.5941176261104	40.070395999773
417	2	1157	-96381.1413	7905057.3170250766	39.05243612181674	-01.138787	114932.4709890762	4324780.2651960829	3242.154745408383	3115.961288771556	3069.7101268771556	3068.832419171643	314.683241929157	41.633742429157
418	2	1158	-95721.1413	7905057.3170250766	39.0524482182634	-01.1363498	115133.5340088197	4324780.25	3233.639107467035	3115.0943402029	3070.03305	3070.402435710268	314.4051258491801	42.6909470984969
419	2	1159	-95061.1413	7905057.3170250766	39.0524493571794	-01.1340715	115334.6157772376	4324784.252412463	3231.630109940565	3114.07347622313	3065.006738838412	3065.71211636945	314.4967637830076	43.9131627691837
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421	2	1161	-93741.1413	7905057.3170250766	39.05246217428169	-01.129425	115736.707025535	4324780.246599396	3231.51233774694	3113.043175699926	3063.106151108793	3068.046351923445	314.49027025917	44.966273160515
422	2	1162	-93081.1413	7905057.3170250766	39.0524682535382	-01.1271017	115937.832995329	4324782.34434373	3231.259734328714	3110.93481	3056.97570545783	3061.5585607784233	314.5690995571018	49.374262932
423	2	1163	-92421.1413	7905057.3170250766	39.05247481515275	-01.1247874	116138.381903834	4324780.246599396	3229.472394598453	3109.8529598453	3054.7741208671	3056.7741208671	314.5941176261104	50.070395999773
424	2	1164	-91761.1413	7905057.3170250766	39.052481092878094	-01.1224552	116339.9789306127	4324782.34434373	3229.472394598453	3108.79132196454	3054.7741208671	3056.7741208671	314.5941176261104	51.6544350953207
425	2	1165	-91101.1413	7905057.3170250766	39.05248730933104	-01.1201319	116541.0485872374	4324780.237744015	3228.584601530635	3107.6439141536707	3053.822263421285	3058.0691486957593	314.58216871154223	49.57467586111436
426	2	1166	-90441.1413	7905057.3170250766	39.05249348091033	-01.1178087	116742.1200907805	4324780.237744015	3228.584601530635	3107.6439141536707	3053.822263421285	3058.0691486957593	314.58216871154223	49.57467586111436
427	2	1167	-89781.1413	7905057.3170250766	39.05249960761641	-01.1154854	116943.9141474233	4324782.323416208	3228.584601530635	3107.6439141536707	3053.822263421285	3058.0691486957593	314.58216871154223	49.57467586111436
428	2	1168	-89121.1413	7905057.3170250766	39.05250569494924	-01.1131621	117144.262554918	4324780.237744015	3228.584601530635	3107.6439141536707	3053.822263421285	3058.0691486957593	314.58216871154223	49.57467586111436
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431	2	1171	-87141.1413	7905057.3170250766	39.052523965708144	-01.1061923	117747.4491469566	4324780.237744015	3228.584601530635	3107.6439141536707	3053.822263421285	3058.0691486957593	314.58216871154223	49.57467586111436
432	2	1172	-86481.1413	7905057.3170250766	39.0525295604785	-01.1038691	117948.545320178	4324782.228069116	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
433	2	1173	-85821.1413	7905057.3170250766	39.05253545214286	-01.1015458	118149.6159077434	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
434	2	1174	-85161.1413	7905057.3170250766	39.05254142	-01.0992225	118350.6856109764	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
435	2	1175	-84501.1413	7905057.3170250766	39.05254701	-01.0969892	118551.7555311887	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
436	2	1176	-83841.1413	7905057.3170250766	39.05255272867365	-01.094576	118752.652672517	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
437	2	1177	-83181.1413	7905057.3170250766	39.052558960403	-01.0922829	118954.9614610453	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
438	2	1178	-82521.1413	7905057.3170250766	39.052564037344514	-01.0899294	119154.9614610453	4324780.227330662	3227.47363640464	3099.2325972996214	3043.97698878653	3047.0547313165862	314.5558067983	52.17784183035126
439	2	1179	-81861.1413	7905057.3170250766	39.05256962729793	-01.0876062	119356.033343043	4324780.227330662	3227.47363640					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVELogKrg.ft	BRIEVELogKrg.ft	SatHtLogKrg.ft	SurThtLogKrg.ft
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522	2	1262	-27081.14133	7905057.3170250766	-00.5285702	-00.8947732	3358044.1773	4234352.851155568	3067.334593418292	2967.676141455576	2961.6005876390966	2965.1823217336982	34142201809891281	29123232920163446
523	2	1263	-26421.14133	7905057.3170250766	-00.528576840180306	-00.8949456	3357845.232016037	4234348.83984457	3065.937671714633	2965.803586965653	2960.23725296311476	2963.9298525832919	34142201809891281	29123232920163446
524	2	1264	-25761.14133	7905057.3170250766	-00.528580614140083	-00.8947732	3358464.2871403634	4234350.843175758	3064.2053911529618	2964.1928475137056	2960.181279677829	2960.181279677829	34142201809891281	29123232920163446
525	2	1265	-25011.14133	7905057.3170250766	-00.528582342373995	-00.8878039	336647.3418372319	4234340.854292557	3062.5684309317924	2962.456582654991	2965.480311447004	2968.8283649096214	34142201809891281	29123232920163446
526	2	1266	-24441.14133	7905057.3170250766	-00.528584024739994	-00.8854806	336488.3963545756	4234336.817845485	3060.73641513796	2964.163970394304	2957.4491718571397	2962.7317911856541	34142201809891281	29123232920163446
527	2	1267	-23781.14133	7905057.3170250766	-00.5285866677862	-00.8831573	337049.5047342497	4234332.88642613	3058.325777273997	2958.93768319289	2958.93768319289	2957.5842911329526	34142201809891281	29123232920163446
528	2	1268	-23121.14133	7905057.3170250766	-00.52858721243235	-00.880834	337250.5048341157	4234328.901165585	3044.894303	2957.266660246577	2963.487177255685	2956.4019570707387	34142201809891281	29123232920163446
529	2	1269	-22461.14133	7905057.3170250766	-00.52858910833984	-00.8785107	337451.5589943467	4234324.91696953	3037.462776837205	2953.45257141244	2960.3725296311476	2952.7692770962319	34142201809891281	29123232920163446
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532	2	1272	-20481.14133	7905057.3170250766	-00.52859190362181	-00.8715409	338054.7201938357	4234312.961755382	3040.526602239521	2950.39402007565	2945.84598077171	2947.72047964397	34142201809891281	29123232920163446
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536	2	1276	-17841.14133	7905057.3170250766	-00.528598401487766	-00.8622477	338858.9239125173	4234297.024034939	3028.170546117178	2943.55093231753	2937.180611242578	2937.6985576854256	34142201809891281	29123232920163446
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539	2	1279	-15861.14133	7905057.3170250766	-00.5290183867183	-00.8552778	339462.09078919056	4234285.07404033	3022.890876	2938.429610763275	2926.911123059393	2927.11364359175	34142201809891281	29123232920163446
540	2	1280	-15201.14133	7905057.3170250766	-00.529026484648646	-00.8529545	339663.1431129195	4234281.090730597	3021.351712871746	2936.72074361735	2924.840563308723	2924.840563308723	34142201809891281	29123232920163446
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542	2	1282	-13891.14133	7905057.3170250766	-00.52903471980274	-00.848308	3399524.7272555	4234273.125	3017.22454651003	2933.29185167608	2920.954358959591	2920.545637006573	34142201809891281	29123232920163446
543	2	1283	-13241.14133	7905057.3170250766	-00.52903794112354	-00.8459718	340029.147755541	4234271.739487708	3015.0817598524	2929.482027425807	2919.7890357293	2918.709578	34142201809891281	29123232920163446
544	2	1284	-12561.14133	7905057.3170250766	-00.52905669815904	-00.843614	340467.3508081266	4234265.195115215	3010.873374955514	2929.87145030925	2915.41141697341	2914.84234189445	34142201809891281	29123232920163446
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556	2	1296	-4641.14133	7905057.3170250766	-00.52913791142354	-00.8157819	342879.89164025	4234217.739487708	3009.726918817058	2909.482027425807	2919.7890357293	2918.709578	34142201809891281	29123232920163446
557	2	1297	-3981.14133	7905057.3170250766	-00.52913985931194	-00.8134568	343081.0088	4234213.39698207	3007.803222143753	2907.865939472225	2917.885052408366	2917.885052408366	34142201809891281	29123232920163446
558	2	1298	-3321.14133	7905057.3170250766	-00.529142287577	-00.8111353	343282.0583016124	4234209.419	3006.51987837899	2906.24135514895	2876.636472287732	2875.46123393591	34142201809891281	29123232920163446
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560	2	1300	-2001.14133	7905057.3170250766	-00.529145064277	-00.8064887	343684.158698392	4234201.45861291	3004.973888085632	2903.07244354513	2877.874602684843	2876.409228495595	34142201809891281	29123232920163446
561	2	1301	-1341.14133	7905057.3170250766	-00.52914704265234	-00.8041654	343864.2059679471	4234201.478714334	3007.302203880564	2901.419277723122	2879.961472679596	2879.961472679596	34142201809891281	29123232920163446
562	2	1302	-681.14133	7905057.3170250766	-00.529147301372	-00.8018421	344086.254865129	4234193.49887783	3006.693520314327	2909.814601	2879.6987575198416	2878.0315570487895	34142201809891281	29123232920163446
563	2	1303	-61.14133	7905057.3170250766	-00.529147301372	-00.8018421	344086.254865129	4234193.49887783	3006.693520314327	2909.814601	2879.6987575198416	2878.0315570487895	34142201809891281	29123232920163446
564	2	1304	638.858673033514	7905057.3170250766	-00.529147301372	-00.8018421	344086.254865129	4234193.49887783	3006.693520314327	2909.814601	2879.6987575198416	2878.0315570487895	34142201809891281	29123232920163446
565	2	1305	1298.858673033514	7905057.3170250766	-00.529147301372	-00.8018421	344086.254865129	4234193.49887783	3006.693520314327	2909.814601	287			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskrg.ft	BREIEvBothkrg.ft	SatHkLog.ft	SatHkBoth.ft
647	2	1387	55416.8586770335	7905057120250766	39.05275660224487	-100.6043625	361174.8780989827	4323855.812998302	2877.8295618834068	2774.893139060326	2742.413841387146	2741.3909851670574	36.47929767	37.50224398326877
648	2	1388	5607.8586770335	7905057120250766	39.05275281183565	-100.6020393	361375.9146848939	4323851.847	2875.57030913013	2777.737471535393	2741.64584222208	2740.863489863495	36.67225729133141	36.87425165004424
649	2	1389	5678.8586770335	7905057120250766	39.052754897658275	-100.599716	361576.9113486793	4323847.88152901	2874.32086142819	2778.578177849838	2742.487782329638	2742.464033311824	33.7004151838963	34.0032446381022
650	2	1390	57398.8586770335	7905057120250766	39.0527505640963004	-100.5973027	361777.98745096975	4323843.916021351	2871.069803272257	2775.414735969603	2742.688019482387	2742.438485657348	32.728451122215	32.97762403725483
651	2	1391	58058.8586770335	7905057120250766	39.05274117136575	-100.5950504	361979.0238234235	4323839.950673226	2868.88060343234	2774.2470078670067	2745.1818868143787	2745.362322751414	29.06512105	28.88737559186587
652	2	1392	58718.8586770335	7905057120250766	39.05273272	-100.5927461	362180.056806807	4323835.9845515	2868.5778672661234	2773.07665704092	2744.973132892648	2745.181513025184	28.78951442023574	27.8951442023574
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691	2	1431	84458.8586770335	7905057120250766	39.052547380149195									

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.h	SatHtLog.f	SatHtLog.h
33	3	1513	-348921.1413	793717.13170250766	39.04842419495604	-102.0308236	237709.16699895865	4236522.903607748	3927.9434306604585	3833.6947449884734	3833.536494845071	801033222499832	8.156250493029994
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37	3	1517	-347181.1413	793717.13170250766	39.04851896877962	-102.0215138	238513.79561146903	4236506.63744221	3919.5087120446993	3837.379675424416	3824.6837725727424	816986237180978	8.12486208258169162
38	3	1518	-346521.1413	793717.13170250766	39.0485455007662	-102.0192088	238714.850267156	4236510.71694119	3920.830847251189	3835.784122155668	3821.3915643426283	8162357719239448	8.1263404225478182
39	3	1519	-345861.1413	793717.13170250766	39.048566068510476	-102.0168859	238916.108860264	4236498.506	3919.4992605629717	3834.1896915626965	3819.8510992513907	816230209204545	8.134849921
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41	3	1521	-344641.1413	793717.13170250766	39.04861302478683	-102.0122598	239319.474515965	4236490.734515965	3914.52158474787	3830.963835764626	3815.644712360943	816739696756968	8.133913263
42	3	1522	-343881.1413	793717.13170250766	39.0486342662363	-102.009917	239519.57999162398	4236496.30115654	3907.541471021011	3829.371709619753	3805.917768133596	82122043183225	8.124359448336616
43	3	1523	-343221.1413	793717.13170250766	39.04865978	-102.007584	239720.73125157737	4236482.24330798	3900.63164657197	3827.7700783680	3802.195652691829	8162300238653154	8.12474876731626
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68	3	1548	-326721.1413	793717.13170250766	39.049229127241965	-101.9495194	244749.5286317367	4236380.66749106	3750.91185	3750.91185	3750.91185	817431078418545	8.143157662
69	3	1549	-326061.1413	793717.13170250766	39.049253117748058	-101.9471964	244950.67797610504	4236376.605931974	3747.467954277	3747.467954277	3747.467954277	817431078418545	8.143157662
70	3	1550	-325401.1413	793717.13170250766	39.0492734339048	-101.9448734	245151.826331456	4236372.546	3744.03805896715	3744.03805896715	3744.03805896715	817431078418545	8.143157662
71	3	1551	-324741.1413	793717.13170250766	39.04929556416735	-101.9425504	245352.9744350077	4236368.48529687	3742.961390801155	3742.961390801155	3742.961390801155	817431078418545	8.143157662
72	3	1552	-324081.1413	793717.13170250766	39.04931762007927	-101.9402274	245554.1229835706	4236364.42896089	3744.247750737449	3744.247750737449	3744.247750737449	817431078418545	8.143157662
73	3	1553	-323421.1413	793717.13170250766	39.04933963112617	-101.9379044	245755.2699007272	4236360.36462565	3745.5341104947834	3745.5341104947834	3745.5341104947834	817431078418545	8.143157662
74	3	1554	-322761.1413	793717.13170250766	39.0493616	-101.9355814	245956.417548762	4236356.3043508198	3746.820470252116	3746.820470252116	3746.820470252116	817431078418545	8.143157662
75	3	1555	-322101.1413	793717.13170250766	39.04938411963563	-101.9332773	246157.5649147737	4236352.171638733	3748.213169899317	3748.213169899317	3748.213169899317	817431078418545	8.143157662
76	3	1556	-321441.1413	793717.13170250766	39.04940530850722	-101.9309354	246358.17129714476	4236348.184056338	3746.9513468576356	3746.9513468576356	3746.9513468576356	817431078418545	8.143157662
77	3	1557	-320781.1413	793717.13170250766	39.04942732667364	-101.9286124	246559.8578926683	4236344.125387068	3746.608611342203	3746.608611342203	3746.608611342203	817431078418545	8.143157662
78	3	1558	-320121.1413	793717.13170250766	39.04944901339481	-101.9262894	246761.00423697341	4236340.95863818	3746.26827562771	3746.26827562771	3746.26827562771	817431078418545	8.143157662
79	3	1559	-319461.1413	793717.13170250766	39.04947075250766	-101.9239663	246962.15030221694	4236336.0674607	3744.004804701676	3744.004804701676	3744.004804701676	817431078418545	8.143157662
80	3	1560	-318801.1413	793717.13170250766	39.0494924524139	-101.9216433	247163.2967126134	4236331.94767421	3738.81723608412	3738.81723608412	3738.81723608412	817431078418545	8.143157662
81	3	1561	-318141.1413	793717.13170250766	39.0495141049969	-101.9193203	247364.4417647377	4236327.88870261	3738.6380894917	3738.6380894917	3738.6380894917	817431078418545	8.143157662
82	3	1562	-317481.1413	793717.13170250766	39.04953711255956	-101							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatTElevKgr.ft	SatTElevBoth.ft
159	1639	-266661.1413	793717.3170250766	39.05106473683032	-101.7381209	263063.0426249289	4326011.805123116	3672.4526025834357	3575.289054767289	3547.75882	3549.8040458470227	5.221371123738958	34.7691162596392	
160	1640	-266601.1413	793717.3170250766	39.05106284448125	-101.7357878	263254.16916313383	4326007.759310213	3670.7008970806493	3550.288968058666	3537.9193635003827	3540.4311631823825	5.221405958283094	35.87229303	
161	1641	-266581.1413	793717.3170250766	39.05106192755486	-101.7347446	263465.29567929377	4326005.429031474	3668.965392696263	3547.290369682646	3525.5151367827027	3537.0871091728804	5.22141708126622165	36.20071242662165	
162	1642	-266481.1413	793717.3170250766	39.05111892516013	-101.7311515	263656.4213370067	4325999.668184854	3671.91082673077	3544.284382173045	3513.253140487834	3515.057068589593	5.19469876821148	39.07223311409185	
163	1643	-266421.1413	793717.3170250766	39.05113688819698	-101.7288284	263857.54077306076	4325995.622870367	3661.5906238282504	3541.271638278283	3501.924934296838	3504.090254114313	5.221407408245324	37.18146136996935	
164	1644	-266361.1413	793717.3170250766	39.05115482635426	-101.7265053	264058.6725547468	4325991.757712336	3652.0787997239635	3538.2499010957504	3495.261071	3495.2356550782347	5.221408882445034	37.0142860175169	
165	1645	-266201.1413	793717.3170250766	39.0511727096543	-101.7241821	264259.79784442653	4325987.532737275	3642.56677563716	3535.220096562936	3486.5794981966333	3487.1567489552675	5.221408882445034	37.0142860175169	
166	1646	-266201.1413	793717.3170250766	39.05119054809691	-101.721859	264460.9229	4325983.487191907	3633.0445751424496	3532.1822085557267	3478.7952147028973	3478.4201498858273	5.221408882445034	37.0142860175169	
167	1647	-266181.1413	793717.3170250766	39.05119054809691	-101.7198359	264662.0478664377	4325978.43466696	3625.222029296263	3525.87626914074	3471.719865833143	3471.6148883314013	5.221408882445034	37.0142860175169	
168	1648	-266071.1413	793717.3170250766	39.05123609	-101.717123	264863.1722593937	4325975.39	3616.0685700251	3526.927795100354	3465.4002576114717	3466.15255475478	5.221408882445034	37.0142860175169	
169	1649	-266061.1413	793717.3170250766	39.05124379418011	-101.7148896	265064.296589262	4325971.35454772	3607.915153258136	3523.021064925816	3459.5832167665977	3460.87538925043	5.221408882445034	37.0142860175169	
170	1650	-259401.1413	793717.3170250766	39.05126145	-101.7125665	265265.4206947378	4325967.310301285	3598.7617191074874	3519.915146540146	3454.177147465897	3458.9851558780145	5.221408882445034	37.0142860175169	
171	1651	-258471.1413	793717.3170250766	39.05127066722584	-101.7102434	265466.54456733007	4325963.266132035	3589.28479196429	3516.8736886452023	3449.1701133485276	3452.95644417834	5.221408882445034	37.0142860175169	
172	1652	-258081.1413	793717.3170250766	39.0512966364569	-101.7079022	265667.6682079155	4325959.22484852	3576.439457740696	3513.788131790522	3444.483913272221	3448.483913272221	5.221408882445034	37.0142860175169	
173	1653	-257421.1413	793717.3170250766	39.05131416079681	-101.7059871	265868.7916169946	4325955.179	3563.60641632817	3510.764262858997	3432.792593760047	3443.6371253483074	5.221408882445034	37.0142860175169	
174	1654	-256761.1413	793717.3170250766	39.05133164027918	-101.703774	266069.01479336909	4325951.13523443	3550.7393717630522	3507.593717630506	3426.4347887481176	3431.483816744779	5.221408882445034	37.0142860175169	
175	1655	-256101.1413	793717.3170250766	39.051349074892755	-101.7019058	266271.037386475	4325947.01999904	3548.4509672117883	3504.48521993737	3424.2986749957236	3427.96196218102	5.221408882445034	37.0142860175169	
176	1656	-255441.1413	793717.3170250766	39.05136646	-101.6996277	266472.1604542325	4325945.626930315	3541.3690385014597	3502.3610958092913	3422.864363134666	3422.864363134666	5.221408882445034	37.0142860175169	
177	1657	-254781.1413	793717.3170250766	39.0513830951342	-101.6963046	266673.28293782903	4325939.005837041	3544.802894	3498.254222356395	3424.298142726355	3427.074127329352	5.221408882445034	37.0142860175169	
178	1658	-254121.1413	793717.3170250766	39.05140100191247	-101.6939814	266874.051906422	4325937.983300326	3547.9511366447821	3497.2785234537976	3422.785234537976	3422.785234537976	5.221408882445034	37.0142860175169	
179	1659	-253461.1413	793717.3170250766	39.05141836458496	-101.6916583	267075.521278773	4325930.92	3575.991266722023	3493.4725948596414	3419.444713574533	3422.3014023201563	5.221408882445034	37.0142860175169	
180	1660	-252801.1413	793717.3170250766	39.05143557492761	-101.6893352	267276.6490047333	4325925.673323258	3574.80112442726	3488.82741545675	3416.2136243860568	3418.7089075402133	5.221408882445034	37.0142860175169	
181	1661	-252141.1413	793717.3170250766	39.05145294327804	-101.6870131	267477.769491448327	4325920.300151614	3568.192951341681	3486.588457911988	3414.52220787865	3417.442220787865	5.221408882445034	37.0142860175169	
182	1662	-251481.1413	793717.3170250766	39.0514698058595	-101.6846898	267678.91891483	4325918.79332387	3569.537833854812	3482.510357100572	3409.179151537317	3408.187631610655	5.221408882445034	37.0142860175169	
183	1663	-250821.1413	793717.3170250766	39.05148693521044	-101.6823567	267880.013001153	4325915.3161645	3563.379135307094	3479.340801	3405.174005991732	3404.73786085967	5.221408882445034	37.0142860175169	
184	1664	-250161.1413	793717.3170250766	39.0515036971407	-101.6800426	268081.1338725495	4325910.709475219	3553.212937031258	3476.16325434436	3402.209829	3401.710933662175	5.221408882445034	37.0142860175169	
185	1665	-249501.1413	793717.3170250766	39.05152095323797	-101.67777194	268282.2551558246	4325907.66779098	3549.06779679098	3472.978788108538	3399.272652883626	3397.92697208717	5.221408882445034	37.0142860175169	
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187	1667	-248181.1413	793717.3170250766	39.05155497437378	-101.6730713	268684.4811448327	4325897.34954964	3528.192951341681	3466.588457911988	3392.7374220787865	3392.7374220787865	5.221408882445034	37.0142860175169	
188	1668	-247521.1413	793717.3170250766	39.05157164779408	-101.67075	268895.615097916	4325893.57427649	3528.882926	3463.6410227755	3391.711812793123	3391.711812793123	5.221408882445034	37.0142860175169	
189	1669	-246861.1413	793717.3170250766	39.05158844821795	-101.6684268	269086.7347983946	4325890.503	3519.66673342958	3460.167679293114	3389.361897942745	3389.361897942745	5.221408882445034	37.0142860175169	
190	1670	-246201.1413	793717.3170250766	39.05160520919655	-101.6661037	269287.8543	4325886.41897834	3516.33824342958	3456.945387668405	3386.7963963613	3384.484347532753	5.221408882445034	37.0142860175169	
191	1671	-245541.1413	793717.3170250766	39.05162390528234	-101.6637805	269488.97356901364	4325882.4213042	3515.642193208673	3457.371256840273	3383.37512826253	3381.05332993791	5.221408882445034	37.0142860175169	
192	1672	-244881.1413	793717.3170250766	39.05163859367475	-101.6614574	269690.052	4325878.90094228	3512.848206936686	3450.484206991655	3382.5893402709895	3378.4369487842043	5.221408882445034	37.0142860175169	
193	1673	-244221.1413	793717.3170250766	39.0516552253371	-101.65991342	269891.211427795734	4325874.340430295	3518.44173688186	3447.247259489058	3379.4359081036462	3374.9595802703635	5.221408882445034	37.0142860175169	
194	1674	-243561.1413	793717.3170250766	39.05167197437378	-101.6584811	270092.30016052	4325870.300151614	3521.347155587858	3444.06434436843	3377.442220787865	3377.442220787865	5.221408882445034	37.0142860175169	
195	1675	-242901.1413	793717.3170250766	39.05168834468825	-101.6564879	270293.4483736852	4325866.260128165	3516.8417540319836	3440.7614770224	3374.247079220922	3367.880417803864	5.221408882445034	37.0142860175169	
196	1676	-242241.1413	793717.3170250766	39.051704837030414	-101.6521468	270494.5665105635	4325862.20269946	3505.04655740244	3437.31059406551	3365.7375672030033	3367.1224484371911	5.221408882445034	37.0142860175169	
197	1677	-241581.1413	793717.3170250766	39.05172128424299	-101.6498416	270695.684173676	4325858.10567946	3493.549961748204	3434.26067848227	3362.239776	3353.48471648227	5.221408882445034	37.0142860175169	
198	1678	-240921.1413	793717.3170250766	39.05173768171405	-101.6475184	270896.8029074806	4325854.14019458	3482.05373168043	3431.004581794967	3358.46505740968	3348.085395196913	5.221408882445034	37.0142860175169	
199	1679	-240261.1413	793717.3170250766	39.051754044898054	-101.6451953	271097.919551109	4325850.11868579	3471.31382238592	3427.75173194267	3354.97523424967	3346.09409269826	5.221408882445034	37.0142860175169	
200	1680	-239601.1413	793717.3170250766	39.051770357781514	-101.6428721	271299.0377655034	4325846.062489201	3461.33113509187	3424.811397468873	3351.200839691368	3342.309913017085	5.221408882445034	37.0142860175169	
201	1681	-238941.1413	793717.3170250766	39.05178681797106	-101.6405811	271499.1448977106	4325842.030151614	3450.761459187846	3421.943746198089	3348.384947198089	3348.384947198089	5.221408882445034	37.0142860175169	
202	1682	-238281.1413	793717.3170250766	39.05180284949494	-101.6382258	271701.70653047	4325838.56458009	3441.36267550367	3417.804712303325	3345.645284717697	3345.645284717697	5.221408882445034	37.0142860175169	
203	1683	-237621.1413	793717.3170250766	39.05181902722209	-101.6359026	271902.3872048176	4325833.94886187	3437.100224544471	3414.657790396403	3339.385946150457	3339.7807870355737	5.221408882445034	37.0142860175169	
204	1684	-236961.1413	793717.3170250766	39.05183516062685	-101.6335795	272103.5032908164	4325829							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatThkLogs.f	SatThkBoth.f
285	3	1765	-183501.1413	793717.3170250766	39.529929951511804	-101.4453999	288393.19952783303	4325503.333749934	3320.096245574693	321.8673117694207	3240.000330327074	3199.453748079011	0	12.413563960409774
286	3	1766	-182841.1413	793717.3170250766	39.53005405505694	-101.4430766	288994.2944602747	4325499.308732699	3317.5105880702995	321.70176691491135	3239.4319347315496	3197.491498129294	0	13.66304303818403
287	3	1767	-182181.1413	793717.3170250766	39.530317814627865	-101.4407534	288795.39278423204	4325495.839808928	3311.999007775514	3210.254488452013	3238.736807477751	3196.73807482454	0	13.580677041747549
288	3	1768	-181521.1413	793717.3170250766	39.5303017888383	-101.4383402	288994.4099997646	4325491.259189921	3303.561458079707	3209.67478471097	3239.034042465416	3193.042682920747	0	16.56470550087397
289	3	1769	-180861.1413	793717.3170250766	39.53042448626183	-101.4361069	289197.5880074756	4325487.235	3296.123966595068	3208.8665412715595	3238.514224490447	3192.133151122671	0	16.73490951
290	3	1770	-180201.1413	793717.3170250766	39.53054772767844	-101.4337837	289398.66860720554	4325483.210307346	3286.686445906608	3208.1348088761644	3238.312574213687	3194.15181056473	0	14.016062831143245
291	3	1771	-179541.1413	793717.3170250766	39.53060702040183	-101.4314604	289599.7840926966	4325479.186112866	3282.4308562749966	3207.4022233973975	3239.4517195993512	3195.605974564099	0	11.79624883387578
292	3	1772	-178881.1413	793717.3170250766	39.5307919	-101.4291372	289800.8813838274	4325476.160269218	3282.357184609755	3206.67864	3238.848058	3180.112823931016	0	26.5664574335819
293	3	1773	-178221.1413	793717.3170250766	39.53089126353714	-101.4268138	290001.87846912146	4325471.138217493	3282.283517305156	3205.96738090968	3238.158959217769	3179.817102960419	0	26.143353048448676
294	3	1774	-177561.1413	793717.3170250766	39.5310342271494	-101.4244907	290203.07533156644	4325467.114516579	3282.2084861527728	3205.2485247171855	3227.4899419103403	3180.750703378595	0	15.49845434175963
295	3	1775	-176901.1413	793717.3170250766	39.53115472217186	-101.4221675	290404.17199494854	4325463.009080172	3278.6317655179498	3204.541992256768594	3226.81712343078	3190.82937610825	0	13.712615491330325
296	3	1776	-176241.1413	793717.3170250766	39.5312747749074	-101.4198442	290605.26845174754	4325459.067608265	3271.57488608912	3203.841151305506	3226.396027114912	3197.25020027698545	0	6.5911305356517005
297	3	1777	-175581.1413	793717.3170250766	39.5313943789213	-101.417521	290806.36470210546	4325455.044400849	3264.464472308685	3203.14569873378	3225.7024714818	3196.8793146504013	0	6.15805432276568
298	3	1778	-174921.1413	793717.3170250766	39.5315133342135	-101.4151977	291007.4607	4325451.021357919	3257.381055	3202.463584470065	3225.0436584470065	3196.742519357671	0	5.711166112394039
299	3	1779	-174261.1413	793717.3170250766	39.5316322407836	-101.4128745	291208.5956843243	4325446.998479464	3250.341184125962	3201.722465554887	3224.596404109006	3191.68246825369	0	10.089979271196587
300	3	1780	-173601.1413	793717.3170250766	39.5317504985316	-101.4105512	291409.8521216927	4325442.975764179	3243.344750018031	3201.04080315535	3216.843796770779	3195.567925728108	0	5.526433887431217
301	3	1781	-172941.1413	793717.3170250766	39.53186830775694	-101.408228	291610.747432383	4325438.953219596	3238.348352	3200.422039	3216.2351476041546	3195.32373101791	0	5.09830712320685
302	3	1782	-172281.1413	793717.3170250766	39.5319586681598	-101.4059407	291811.8426464776	4325434.9308308875	3229.35158302169	3199.7602469575	3215.613934335867	3193.79171912986	0	4.654106782768849
303	3	1783	-171621.1413	793717.3170250766	39.5321025788397	-101.4035814	292012.9378084844	4325430.908610267	3221.900540705565	3199.069159274294	3215.0340775298587	3194.9015415195491	0	4.194617358803403
304	3	1784	-170961.1413	793717.3170250766	39.53221904279674	-101.4012582	292214.032691492	4325426.8865540875	3213.9941396202867	3198.442531	3213.9941396202867	3193.1655886670355	0	5.276942200404584
305	3	1785	-170301.1413	793717.3170250766	39.5323355	-101.3989349	292415.122797008	4325422.86462334	3206.08729535099	3197.794812524239	3206.08729535099	3193.081495308189	0	4.713263041
306	3	1786	-169641.1413	793717.3170250766	39.53243061	-101.3968117	292616.2216995073	4325418.842350512	3196.1817544097317	3197.152691855203	3198.1813194497317	3193.015248	0	4.13334374232962
307	3	1787	-168981.1413	793717.3170250766	39.532482563262	-101.3946098	292815.1678989683	4325414.821372179	3198.026848390385	3198.026848390385	3198.026848390385	3193.026848390385	0	11.094202520010195
308	3	1788	-168321.1413	793717.3170250766	39.532594073881	-101.3919652	293018.409855424	4325410.79937301	3198.6219163559244	3198.6219163559244	3198.6219163559244	3198.6219163559244	0	11.094202520010195
309	3	1789	-167661.1413	793717.3170250766	39.53267946	-101.3896419	293219.5086758086	4325407.78739503	3198.6217784321813	3198.6217784321813	3198.6217784321813	3198.6217784321813	0	11.094202520010195
310	3	1790	-167001.1413	793717.3170250766	39.53290839733975	-101.3873187	293420.597263365	4325402.75769803	3157.813652287701	3157.813652287701	3157.813652287701	3157.813652287701	0	11.094202520010195
311	3	1791	-166341.1413	793717.3170250766	39.533023171922844	-101.3849954	293621.6906451565	4325398.73674485	3157.232648342714	3157.232648342714	3157.232648342714	3157.232648342714	0	11.094202520010195
312	3	1792	-165681.1413	793717.3170250766	39.5331346923924	-101.3826721	293822.7838236245	4325394.716023547	3166.474727468652	3166.474727468652	3166.474727468652	3166.474727468652	0	11.094202520010195
313	3	1793	-165021.1413	793717.3170250766	39.53324701683145	-101.3803489	294023.6787896963	4325390.864684862	3175.716896398989	3175.716896398989	3175.716896398989	3175.716896398989	0	11.094202520010195
314	3	1794	-164361.1413	793717.3170250766	39.5333658992542	-101.3780256	294224.969571422	4325386.675034782	3184.599027077127	3184.599027077127	3184.599027077127	3184.599027077127	0	11.094202520010195
315	3	1795	-163701.1413	793717.3170250766	39.5334075951355	-101.3757024	294426.06214056176	4325382.654769837	3193.3927404106433	3191.5610379855234	3193.3927404106433	3193.3927404106433	0	4.753079307181006
316	3	1796	-163041.1413	793717.3170250766	39.53358159779584	-101.3733791	294627.15450742724	4325378.636	3201.0175567337374	3190.96810985994	3201.0175567337374	3190.96810985994	0	0.709371757
317	3	1797	-162381.1413	793717.3170250766	39.5336922273328	-101.3710558	294828.246671944	4325374.614784289	3208.642538664314	3190.35856734022	3208.642538664314	3190.7098409861105	0	0
318	3	1798	-161721.1413	793717.3170250766	39.53380248014334	-101.3687326	295029.33804331617	4325370.595	3216.2675209913255	3189.7618230039125	3216.2675209913255	3190.373891916733	0	0
319	3	1799	-161061.1413	793717.3170250766	39.533931214022748	-101.3664093	295230.430947457	4325366.75438974	3224.536982588644	3189.1676373291393	3224.0192666407222	3190.3900915758561	0	0
320	3	1800	-160401.1413	793717.3170250766	39.5340214	-101.364068	295431.5218344074	4325362.456012799	3222.457454834965	3208.375454834965	3222.457454834965	3208.375454834965	0	0
321	3	1801	-159741.1413	793717.3170250766	39.5341302582162	-101.3617628	295630.3316106035	4325358.356750937	3242.364827255236	3187.882320146822	3220.1627192745234	3187.83989452846	0	0
322	3	1802	-159081.1413	793717.3170250766	39.5342386441204	-101.3594395	295833.7044664013	4325354.518	3251.27890259186	3187.38715298052	3219.8433465398124	3188.420183146936	0	0
323	3	1803	-158421.1413	793717.3170250766	39.5343465812973	-101.3571162	296034.7954211541	4325350.486720117	3257.56685430377	3186.789496540435	3219.511068413214	3188.464331888715	0	0.822119724005866
324	3	1804	-157761.1413	793717.3170250766	39.5344540697469	-101.354793	296236.8681749495	4325346.479951142	3261.228510561114	3185.18998146822	3218.4347146881463	3185.367874219163	0	0.22573389994522805
325	3	1805	-157101.1413	793717.3170250766	39.53456110946904	-101.3524697	296436.978720319	4325342.461346449	3264.890338818414	3185.898926304237	3218.104526907745	3185.367874219163	0	0.22573389994522805
326	3	1806	-156441.1413	793717.3170250766	39.53466770060514	-101.3501484	296638.067080054	4325338.44026031	3268.552159607578	3184.963273740695	3217.794662172569	3184.525016189686	0	0.46127515708349165
327	3	1807	-155781.1413	793717.3170250766	39.5347847677286	-101.3478096	296840.134544774	4325334.134847817	3274.331793179647	3184.331793179647	3216.52532700702	3184.04202520010195	0	0
328	3	1808	-155121.1413	793717.3170250766	39.5348763626814	-101.3454999	297040.2471850432	4325330.406517981	3282.364827255236	3177.7751005291902	3215.0646530367385	3187.3180851756483	0	0
329	3	1809	-154461.1413	793717.3170250766	39.5349847810781	-101.3431766	297241.33683731594	4325326.388570337	3290.124017991422	3183.165894775797	3214.7211319673513	3188.282227385203	0	0
330	3	1810	-153801.1413	793717.3170250766	39.53508957715955	-101.3408533	297442.446898982	4325322.307786936	3298.02052396214	3182.53864394629	3214.365806999176	3188.225718267034	0	0
331	3	1811	-153141.1413	793717.3170250766	39.5351939245643	-101.3385301	297643.519429533	4325318.353165775	3300.0410308625196	3181.9817592999206	3214.000330327074	3190.373891916733	0	0
332	3	1812	-152481.1413	793717.3170250766	39.5352937821879	-101.3362068	297844.6051	4325314.335710837	3297.2944333795226</					

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.	BRiElevBothKrg.	SurfBothKrg.	SatBothKrg.
411	x	1891	-100341.1413	793717.3170250766	39.054208781588656	-11.1526663	313730.0366074926	424.997475074622	3252.032127760799	321.18596873495654	3086.808718722517	30.8714862704864	32.2904895338904
412	x	1892	-96981.1413	793717.3170250766	39.05421595156369	-11.1550343	313331.1093541454	424.99304702381	3251.00695746684	310.24593493204193	3086.678430221496	34.2670476094139	31.5093606736165
413	x	1893	-69021.1413	793717.3170250766	39.0542233696976	-11.1480197	314132.1836252254	424.989466554934	3248.98167388819	311.81900211468816	3086.602873593697	35.4870817868955	34.50312411587358
414	x	1894	-36861.1413	793717.3170250766	39.05422905	-11.145664	314333.21371737063	424.99546250041	3246.96532024774	311.027492453556	3075.5380308941944	30.8902580727375	34.49645019661644
415	x	1895	-97701.1413	793717.3170250766	39.05423571224361	-11.1433731	314534.3304589234	424.98145889638	3244.002398776808	311.07128520974	3074.4148979391757	37.956623633683	34.46222591292173
416	x	1896	-97041.1413	793717.3170250766	39.05424233	-11.1410497	314735.403706343	424.97714500031	3240.0988141472094	311.077058916580285	3072.112353386615	30.8702325937605	40.00540048118206
417	x	1897	-96381.1413	793717.3170250766	39.0542489032902	-11.1387264	314936.4766669389	424.9754451476653	3238.195229515848	311.06096030593704	3069.772326903113	34.718277650140266	41.55666683
418	x	1898	-95271.1413	793717.3170250766	39.05425459035869	-11.1364031	315117.5494646342	424.969348	3232.2916448881546	311.05004997085334	3067.433352913267	37.19853766826946	47.65714677720871
419	x	1899	-95951.1413	793717.3170250766	39.054261924914066	-11.1340768	315338.6265522504	424.96844919886	3228.915253898954	311.04770015710024	3065.1521762106377	30.894837614971435	48.924825586588
420	x	1900	-94401.1413	793717.3170250766	39.05426835969515	-11.1317365	315539.6944523893	424.96514188642	3223.06601055566	311.0340523	3063.0039425475	37.1227112731803	50.0389679
421	x	1901	-93741.1413	793717.3170250766	39.05427476200197	-11.1294331	315704.7666959357	424.959373324	3228.216766720074	311.02603161114197	3061.1090947054513	30.8429821313833	50.096271690568432
422	x	1902	-93081.1413	793717.3170250766	39.05428113234474	-11.1271098	315941.837549948	424.953436311334	3227.367352	311.0194747596028	3056.977034070167	30.810711755	50.26610547439496
423	x	1903	-92421.1413	793717.3170250766	39.05428741959265	-11.1247865	316142.910269954	424.949483786888	3227.379685	310.978076	3055.8397146885444	53.030145833055	50.57469743
424	x	1904	-91761.1413	793717.3170250766	39.05429368107651	-11.1224632	316343.9823243435	424.94541389916	3228.253224907905	310.7761407490765	3053.927610477309	54.85514027176596	52.1027881164262
425	x	1905	-91101.1413	793717.3170250766	39.05429898766015	-11.120139	316545.0538865105	424.94129174469	3228.126746981285	310.7662399801483	3053.440251838644	50.6211587960548	51.0808150054452
426	x	1906	-90441.1413	793717.3170250766	39.05430069421145	-11.1178165	316746.1251727890	424.93742712215	3230.003454923315	310.632875660401	3047.922272407267	50.50175754136214	56.3030115148997
427	x	1907	-89781.1413	793717.3170250766	39.05431129628193	-11.1154832	316947.136270854	424.932452324054	3229.559268679067	310.5732490304386	3047.1699686803746	50.2997222660499	56.68166829731455
428	x	1908	-89121.1413	793717.3170250766	39.0543182768326	-11.1131699	317148.2673	424.929342520425	3228.70370424343	310.419468379494	3046.094767454442	50.083972938507565	56.1738369053265
429	x	1909	-88461.1413	793717.3170250766	39.054324315380335	-11.1108466	317349.338096835	424.9205421947568	3226.048132452065	310.29196163420565	3041.18131947016	51.8103202346859	48.60809432409374
430	x	1910	-87801.1413	793717.3170250766	39.0543307301795	-11.1085232	317550.4807128235	424.912595611273	3224.2955613713771	310.1763335	3049.705793070578	50.5238012072622	48.9329050661404
431	x	1911	-87141.1413	793717.3170250766	39.054336254981145	-11.1061999	317751.4974971075	424.91741934181	3222.594526503474	310.5090818249585	3051.1085752991403	50.283031163935	48.6050563481292
432	x	1912	-86481.1413	793717.3170250766	39.05434215746994	-11.103786	317952.549077574	424.91414324813	3220.954043879554	309.97272682175	3045.078440964643	30.84720482481835	51.9472722529917
433	x	1913	-85821.1413	793717.3170250766	39.054348223640686	-11.1014673	318159.184671701	424.91123811212	3218.02827102685	309.8924140969584	3050.9214084105	30.8453639497564	52.781292442624
434	x	1914	-85161.1413	793717.3170250766	39.054353827282416	-11.0992299	318345.683891521	424.905416195185	3217.67307631713	309.555161545846	3041.139430262505	30.84170512750485	53.1405024383618
435	x	1915	-84501.1413	793717.3170250766	39.05435995568961	-11.0969206	318555.791100807	424.901416011308	3216.52642679132	309.227178652337	3038.6187392273737	30.8407958641763	55.1298322427288
436	x	1916	-83841.1413	793717.3170250766	39.0543631868058	-11.0945833	318756.826554229	424.8987415593623	3215.87360574523	308.840959774556	3036.576528175003	30.7381900949207	57.2715671595534
437	x	1917	-83181.1413	793717.3170250766	39.05437096718708	-11.09226	318957.889025603	424.89154339621	3215.220784710553	309.247517799113	3034.518504602314	30.8587991696947	58.989673196794
438	x	1918	-82521.1413	793717.3170250766	39.05437663009007	-11.0899366	319158.9621718648	424.8881415249021	3214.567936668724	309.1283140990487	3032.444561964223	30.7327395044014	58.1985790262325
439	x	1919	-81861.1413	793717.3170250766	39.05438221948068	-11.0876133	319360.0362273068	424.8841409969584	3213.02827102685	308.9824140969584	3030.9214084105	30.8453639497564	57.9389738844239
440	x	1920	-81201.1413	793717.3170250766	39.05438776180995	-11.08529	319581.102561045204	424.88141555792	3213.5737071773	308.7405233483	3028.60376884167	30.730305020217	58.9321490326066
441	x	1921	-80541.1413	793717.3170250766	39.05439336051807	-11.0829666	319762.137761414	424.877415957551	3213.1379229348963	308.627030034135	3026.51020266835	30.732792125735	58.731006367872
442	x	1922	-79881.1413	793717.3170250766	39.05439871426197	-11.0806433	319963.2421970417	424.873416260474	3212.69647208402	308.518733754915	3024.309995	30.728502807757707	58.7087392533529
443	x	1923	-79221.1413	793717.3170250766	39.05440412313834	-11.07832	320164.3106013465	424.8684712467645	3211.839436	308.368155229857	3020.061500606253	30.7261256781671	63.62800546236036
444	x	1924	-78561.1413	793717.3170250766	39.05440987112624	-11.0759967	320365.378629624	424.865418136408	3210.566717	308.217370596913	3017.96102786077705	64.2127960406137	62.4730628021157
445	x	1925	-77901.1413	793717.3170250766	39.0544148625644	-11.073733	320566.44581023	424.861418919598	3208.294759779506	308.0046281132843	3015.8174108313841	65.155270937471	64.76870238488806
446	x	1926	-77241.1413	793717.3170250766	39.0544200049225	-11.0715	320752.514505761	424.85742400578	3207.125811595641	307.940640334626	3014.71753446247	66.178029221	65.78282397158
447	x	1927	-76581.1413	793717.3170250766	39.054425309363044	-11.0690267	320968.5819567475	424.85341785384	3206.280583968067	307.73502780354	3011.803082730353	67.13631409391945	66.738176043744
448	x	1928	-75921.1413	793717.3170250766	39.05443043459596	-11.0667033	321169.64398131	424.84942323062	3204.071027983585	307.5964547	3009.855135041764	68.11590229128453	67.64734178905483
449	x	1929	-75261.1413	793717.3170250766	39.05443563388188	-11.06438	321369.766321354	424.8454235364	3201.861832	307.473814413847	3008.034575964184	69.0672062146668	67.47096272828131
450	x	1930	-74601.1413	793717.3170250766	39.05444072872924	-11.0620567	321571.7837041062	424.841426042555	3199.6524560131515	307.27896631321637	3006.972223151706	69.3523487678714	68.41674398
451	x	1931	-73941.1413	793717.3170250766	39.05444577860195	-11.0597333	321772.850063397	424.837424893711	3196.725852288731	307.188994749848	3004.1018038187344	70.1624050255154	69.08779093123476
452	x	1932	-73281.1413	793717.3170250766	39.0544507630051	-11.05741	321973.917372228	424.833413133337	3195.887226458242	306.876712420305	3001.092875842492	70.9104150429515	69.4898533093407
453	x	1933	-72621.1413	793717.3170250766	39.0544559296976	-11.055133	322174.86333036	424.829478791486	3194.93326393098	306.767678517046	3000.45326393098	71.82817678517046	70.82817678517046
454	x	1934	-71961.1413	793717.3170250766	39.05446058972296	-11.0528733	322376.0502515127	424.825430155459	3193.813258	306.65234828833	3000.34336656313	70.9714155613077	71.82817678517046
455	x	1935	-71301.1413	793717.3170250766	39.0544652934644	-11.05044	322577.116453701	424.821438701557	3191.258067528357	306.370358236316	3000.348408626937	70.964842227321	71.82817678517046
456	x	1936	-70641.1413	793717.3170250766	39.05447035484591	-11.0481167	322778.1824852604	424.817441550523	3189.781182521474	306.3104411058846	3000.6627654182394	71.82817678517046	71.82817678517046
457	x	1937	-69981.1413	793717.3170250766	39.05447513547074	-11.0457933	322979.2843301677	424.813444563341	3187.841168975935	306.147850817365	3000.403958289435	71.82817678517046	71.82817678517046
458	x	1938	-69321.1413	793717.3170250766	39.054479871220856	-11.04347	323180.314	424.809847739097	3184.822196997317	305.942369026394	3000.450790404012	71.82817678517046	71.82817678517046
459	x	1939	-68661.1413	793717.3170250766	39.05448496298815	-11.0411467	323381.378625744	424.805415076102	3183.36427638958	305.827071597428	3000.4683816639	71.82817678517046	71.82817678517046
460	x	1940	-68001.1413	793717.3170250766	39.0544892092921	-11.0388233	323592.444541008	424.80145575213					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevBthKgr.f	SanthTLog.f	SanthBth.f
537	3	2017	-17181.14133	793717.3170250766	39.05471219086207	-100.8599259	339063.9720248954	4234494.2137969808	3028.4605077164174	2924.41467115962484	2929.91471717030727	2930.37084062804548	11.55239685871385	11.09627510202929
538	3	2018	-16521.14133	793717.3170250766	39.05471333691587	-100.8576206	339265.0244848676	4340490.229978474	3027.3427917142555	2939.7709245396827	2927.8209175891557	2928.2104722528106	11.95006095652704	11.55640528687207
539	3	2019	-1591.14133	793717.3170250766	39.05471445748843	-100.8552792	33966.0467878636	43023.3525294967	3028.210309775494	2938.073494319403	2936.435353964907	2936.18442396721638	11.63766173242573	11.5767917242573
540	3	2020	-15021.14133	793717.3170250766	39.05471543937984	-100.8525959	33967.128934087	4224482.263	3025.06220891417	2936.75667784157965	2933.61920554417	2937.7108544665235	12.157708548665235	12.157708548665235
541	3	2021	-14541.14133	793717.3170250766	39.05471650462627	-100.8506325	33968.18092374795	4324478.279597901	3023.9143871102488	2934.672523204814	2920.990254267317	2920.982467330911	13.6822773749702	13.69004861723386
542	3	2022	-13881.14133	793717.3170250766	39.054717470879496	-100.8483902	340069.23275704344	4324474.26438285	3029.96517289913	2937.657899584615	2917.7119252638025	2917.7119252638025	15.731267702937	15.731267702937
543	3	2023	-13221.14133	793717.3170250766	39.05471858257584	-100.8459858	340270.2843418164	4324473.34360295	3022.873455100447	2931.2635246048435	2916.234910728495	2915.868569597946	15.0286138294429	15.39496446898986
544	3	2024	-12521.14133	793717.3170250766	39.054719268760515	-100.8436265	340121.335955363	4324466.303048129	3022.873344574477	2929.554468707745	2913.9479772731036	2913.9479772731036	15.567614137670953	15.880061991789262
545	3	2025	-11961.14133	793717.3170250766	39.0547201388714	-100.8413591	340672.3674207423	4324462.37898846	3027.845	2930.585933073248	2910.585933073248	2910.585933073248	17.26094963329555	17.26094963329555
546	3	2026	-11241.14133	793717.3170250766	39.054720897114336	-100.8390158	34073.438530518	424459.36547996	3023.780932	2926.1328123879063	2907.87254103527	2907.87254103527	18.70374033467933	18.70374033467933
547	3	2027	-10581.14133	793717.3170250766	39.054721629018815	-100.8369824	34074.4498651802	424453.38169455	3023.738509595843	2924.417013509004	2905.3287422735643	2904.719565431911	19.0893950773306	19.6984500898336
548	3	2028	-9921.141327	793717.3170250766	39.05472200220117	-100.8343691	341275.5408459087	4244450.40100358	3023.20103115028647	2927.303631817997	2904.150162604905	2903.8154769388	18.5289697694772	18.88731648791904
549	3	2029	-9261.141327	793717.3170250766	39.054722987148334	-100.8320457	341476.591	424446.419	3020.8667163946017	2920.86627377143	2901.445289887054	2901.445289887054	19.5134710079302	19.47193989560945
550	3	2030	-8601.141327	793717.3170250766	39.0547238540041	-100.8297224	341677.64191821814	424444.347159113	3022.12316390426	2919.2706907535544	2908.669507050575	2908.4376320743091	20.6021900449646	20.83305867679635
551	3	2031	-7941.141327	793717.3170250766	39.05472414777728	-100.827398	341878.8924	424438.455480627	3022.8733445717923	2917.56445729683	2904.595217258998	2904.595217258998	22.96627180378207	23.167888804485
552	3	2032	-7181.141327	793717.3170250766	39.054724665279025	-100.8250757	342079.7428435016	424434.373964611	3018.7749243106373	2915.85436483334	2901.053394551623	2900.878190015603	24.79704191565582	24.9725564673086
553	3	2033	-6621.141327	793717.3170250766	39.054725137905060	-100.8227533	342280.792761474	424430.492611055	3016.722564437633	2914.1549543915303	2907.078427879905	2906.88694209422	27.0841073503736	27.26796182108254
554	3	2034	-5961.141327	793717.3170250766	39.05472556565703	-100.820249	342481.8427346285	424426.511	3014.669585450623	2912.47762795665	2903.365934293644	2901.51494540606	29.1169145053135	29.40173141879074
555	3	2035	-5301.141327	793717.3170250766	39.05472685833324	-100.8181056	342682.89255380316	424422.53091289	3012.760586719424	2910.823976900487	2904.23448216352	2907.9098287240336	32.48052688	32.9144817645318
556	3	2036	-4641.141327	793717.3170250766	39.054726965447	-100.8157823	342883.94221947633	424418.549250565	3010.91666719029	2909.194553531344	2875.14995648474	2874.633914	34.56061426826058	34.56061426826058
557	3	2037	-3981.141327	793717.3170250766	39.0547269796642	-100.8134589	343084.991731487	424414.568821623	3008.2072747005156	2907.84720955264	2872.08737338986	2871.755613059225	35.49683119565223	36.4091959974137
558	3	2038	-3321.141327	793717.3170250766	39.054726827911246	-100.811336	343286.0419011278	424413.568279681	3007.423827859053	2905.367328150503	2874.192412056063	2873.17565195210444	37.7649160557769	38.3216894404536
559	3	2039	-2661.141327	793717.3170250766	39.05472559125892	-100.8090787	343607.7610571763	424407.6802795173	3004.368498033258	2902.753046933258	2872.08737338986	2871.755613059225	39.18791743303037	39.18791743303037
560	3	2040	-2001.141327	793717.3170250766	39.05472719	-100.8054889	343688.139312216	424402.62784334	3005.919812020952	2902.205095	2876.68600430125	2875.692229014088	26.11900576677352	27.11367215901134
561	3	2041	-1341.141327	793717.3170250766	39.05472730412754	-100.8041655	343889.188252458	424398.647630157	3002.5024121289554	2901.214054	2878.8110956	2877.37388828852	22.4031071730702	23.44068881446677
562	3	2042	-681.1413269	793717.3170250766	39.0547273216296	-100.8018422	344090.237001391	424394.667338262	3000.485007515956	2899.61731977731	2880.249766258373	2879.131295240784	19.2267651793576	20.48643872860543
563	3	2043	-21.14132693	793717.3170250766	39.05472859692675	-100.7995188	344291.28595826675	424393.680808492	3004.757932078696	2880.814563894233	2880.891642710485	2879.810598554584	17.1369165692748	18.2039536904894
564	3	2044	638.858673033514	793717.3170250766	39.0547273503787	-100.7971958	344492.33404327295	424398.708441899	3001.319500701094	2896.40386865692	2880.1623091003157	2880.1623091003157	16.24151456253254	17.46419615523235
565	3	2045	1298.858673033514	793717.3170250766	39.0547273503787	-100.795448	344693.26361636	424398.708441899	2997.68176785849	2894.78410527167	2880.1623091003157	2880.1623091003157	18.18013448626026	18.44375714773468
566	3	2046	1958.858673033514	793717.3170250766	39.0547273503787	-100.7925488	344894.3404784924	424378.75	2994.443715445699	2893.1555603453726	2875.763403637797	2873.9929811751665	19.32224037375438	19.1626923200612
567	3	2047	2618.858673033514	793717.3170250766	39.05472704278654	-100.7902254	345095.4746891216	424374.770714849	2991.216748495178	2891.51786465578	2873.2216276654053	2873.238786674768	18.29623700172823	19.01791377929796
568	3	2048	3278.858673033514	793717.3170250766	39.054726842285774	-100.7879021	345296.5263068972	424370.792	2988.2007959761614	2889.7051001601472	2870.2152379128443	2867.9969999463274	19.6525368730277	21.8735013819858
569	3	2049	3938.858673033514	793717.3170250766	39.05472659909866	-100.7855787	345497.53997428	424366.813041837	2985.18467	2888.213401709709	2877.357192	2865.30535535312	20.8382092431193	21.094861438784
570	3	2050	4598.858673033514	793717.3170250766	39.0547263065679	-100.7832554	345698.621535109	424363.84448089	2982.166830430098	2886.5463417900218	2863.7974827010985	2861.333742028407	22.329505798328	23.21261133624105
571	3	2051	5258.858673033514	793717.3170250766	39.054729152529	-100.780932	345899.6889231575	424358.89691892	2978.3453468271915	2884.86944225514	2865.701203948675	2865.698848	25.1639236844432	28.1706344796433
572	3	2052	5918.858673033514	793717.3170250766	39.05472559125892	-100.778067	34607.7610571763	424354.577749872	2976.714625	2883.18145216292	2867.214922165263	2867.214922165263	29.91829254523	30.91829254523
573	3	2053	6578.858673033514	793717.3170250766	39.05472517	-100.7762853	346301.7632479529	424350.8963457	2974.084302691273	2881.484332828473	2862.60973847424	2862.60973847424	32.18581612807104	32.18581612807104
574	3	2054	7238.858673033514	793717.3170250766	39.0547247	-100.773962	346502.810185504	424349.021699698	2973.4577957384	2879.777127436216	2849.187078332903	2845.78441631395	30.95063410718394	33.99329811222651
575	3	2055	7898.858673033514	793717.3170250766	39.05472418227617	-100.7716386	346703.8569744475	424346.931891285	2969.57738343203	2878.0611	2846.865786481855	2843.266337	31.953309624507	34.79480237948022
576	3	2056	8558.858673033514	793717.3170250766	39.0547236227741	-100.7693153	346904.9031196327	424343.96282823	2968.45645498929	2876.350349748343	2843.34151983357	2839.0573403454	32.7995150913147	37.766939128988
577	3	2057	9218.858673033514	793717.3170250766	39.054723018397056	-100.7669919	347105.95010126894	424334.988841776	2967.335097159195	2874.6001771315377	2841.324569715495	2836.831931989245	33.968116014293	37.7694254229202
578	3	2058	9878.858673033514	793717.3170250766	39.054722930144775	-100.764608	347306.964415698	424331.011546975	2966.21372812691	2876.6759287697	2833.3440067447706	2834.55152614828	35.153194319623	38.2006664327713
579	3	2059	10498.858673033514	793717.3170250766	39.0547156877472	-100.7614605	347514.516868552	424333.17925268	2965.1081983895	2873.22368198923	2832.2368198923	2832.2368198923	37.73423476598145	38.73423476598145
580	3	2060	11198.858673033514	793717.3170250766	39.054720390144775	-100.7600219	3477909.087	424332.0544009	2963.34176474974	2869.35427284407	2830.45317433476	2830.45317433476	34.1023839626411	38.9006129411586
581	3	2061	11858.858673033514	793717.3170250766	39.05472015213704	-100.7576985	347910.134704446	424						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BRrElevLogKrg.f	BRrElevLogKrg.f	SatHtLogKrg.f	SatHtBoth.f
63	2143	65978.8586730335	793717.3170250766	-00.54503164342975	-100.5671843	364395.4125882963	4323993.53395767	2848.069553012721	275.9389737152346	2735.35263923323	2735.635764668423	24.84707322920328	24.20397282939238
664	2144	66563.8586730335	793717.3170250766	-00.5454861	-100.564841	364596.446778826	4323989.57	2845.112336333392	2758.666081540623	2735.444158366653	2736.51454923327	23.21152317383752	21.74162561725061
665	2145	67288.8586730335	793717.3170250766	-00.5458914	-100.562452	364787.481026286	4323985.87010127	2838.016780888474	2757.4309763640148	2721.6938452115533	2724.547151773547	24.02801314146777	22.9258506913805
666	2146	67958.8586730335	793717.3170250766	-00.5444895	-100.560243	364918.5150535303	4323981.64369541	2839.179840747333	2756.20586236703	2731.407529202328	2732.533378	24.80263314342118	23.75957327011048
667	2147	68618.8586730335	793717.3170250766	-00.5444884	-100.560811	365199.5486060118	4323977.681070433	2837.053205883471	2755.108907210965	2729.34402243378	2730.397086004191	25.75928376688701	24.72899735054578
668	2148	69278.8586730335	793717.3170250766	-00.54555676	-100.5555676	365400.582758581	4323973.718324797	2838.85059851577	2753.920338581453	2727.430927706705	2728.758638014973	26.49710539139334	25.16936901704701
669	2149	69938.8586730335	793717.3170250766	-00.5532443	-100.5532443	365601.61636127916	4323965.75576621	2838.2764690184	2752.748019471415	2725.39990660497	2726.7053425571465	27.84118806417915	26.20426914286395
670	2150	70598.8586730335	793717.3170250766	-00.5454706624222	-100.550921	365842.6496648026	4323969.7371899	2838.493343080694	2751.5689154077027	2723.385441169017	2724.791771269394	28.1834712368579	26.9200441383064
671	2151	71258.8586730335	793717.3170250766	-00.544659837746	-100.546878	366003.6824129096	4323961.831128618	2838.016780888474	2751.67808492468	2721.6938452115533	2724.547151773547	28.1834712368579	26.9200441383064
672	2152	71918.8586730335	793717.3170250766	-00.5446097	-100.546273	366204.7164870382	4323977.8604675	2839.82780341487	2749.213601595804	2719.9862200174436	2721.27168777928	27.95573281607445	27.95573281607445
673	2153	72578.8586730335	793717.3170250766	-00.543951	-100.543951	366504.7490773815	4323953.907124384	2840.6470232404564	2748.037325634587	2718.411896858506	2719.54149494103	28.26211358466809	28.49528164424882
674	2154	73238.8586730335	793717.3170250766	-00.54451102713536	-100.5416276	366606.726890971	4323949.45365378	2845.47280247506	2746.86111729774	2716.2459751223114	2717.216887480925	30.6152175462525	29.64422819846492
675	2155	73898.8586730335	793717.3170250766	-00.5393043	-100.5393043	366807.815652581	4323941.7714102324	2845.6852578911607	2747.0196881330966	2714.867862884593	2716.867862884593	30.6152175462525	30.61729506001398
676	2156	74558.8586730335	793717.3170250766	-00.5444105362949	-100.536981	367008.84872442	4323942.022315188	2841.6049618529446	2744.510222146557	2711.9688677480035	2710.8617677959	32.5413506665216	31.944065136696736
677	2157	75218.8586730335	793717.3170250766	-00.5435996172003	-100.5345876	367209.88637985	4323936.61056783	2843.5749605567	2744.33604	2710.0448395819885	2710.0448395819885	32.5413506665216	32.5413506665216
678	2158	75878.8586730335	793717.3170250766	-00.54340302497295	-100.532343	367410.9133445807	4323934.099433575	2841.266373581985	2742.162731943338	2708.2064688901305	2708.71132064601	33.95620313720736	33.45141187873096
679	2159	76538.8586730335	793717.3170250766	-00.5434254335127	-100.530011	367611.954668096	4323930.13890107	2840.3119642304037	2740.988972953466	2707.10087	2707.4211421156037	33.8180549047658	33.56846017279386
680	2160	77198.8586730335	793717.3170250766	-00.54420416854995	-100.527678	367812.97790121543	4323927.1863712687	2838.016780888474	2739.814921923216	2706.0470684664	2706.0470684664	33.8180549047658	33.56846017279386
681	2161	77858.8586730335	793717.3170250766	-00.5441514548414	-100.525363	368014.0098746656	4323922.215751284	2838.016780888474	2738.6312325964	2704.944631952056	2705.346917707335	33.692507230772	33.29023115842001
682	2162	78518.8586730335	793717.3170250766	-00.5440829283736	-100.523041	368215.01454945181	4323918.25103297	2838.016780888474	2737.456112569192	2703.8673924172826	2704.3038212301143	33.692507230772	33.29023115842001
683	2163	79178.8586730335	793717.3170250766	-00.5440446118273	-100.5207177	368416.0737786818	4323914.29679645	2838.016780888474	2736.27304189018	2703.020352657078	2703.020352657078	33.29023115842001	33.29023115842001
684	2164	79838.8586730335	793717.3170250766	-00.5439606214422	-100.518394	368617.1054801515	4323910.35661325	2838.016780888474	2735.06672677024	2701.8596913019755	2702.199510240278	33.270354052624	32.8861650349463
685	2165	80498.8586730335	793717.3170250766	-00.543871125512	-100.516071	368812.1367014747	4323906.52019096	2838.016780888474	2734.016780888474	2700.8596913019755	2701.8596913019755	33.270354052624	32.8861650349463
686	2166	81158.8586730335	793717.3170250766	-00.543811551154	-100.5137477	369019.168505217	4323902.41684431	2829.03230487128	2732.705558188907	2694.042682613545	2695.5293515714978	33.66229954075174	33.17624274327854
687	2167	81818.8586730335	793717.3170250766	-00.54382574893395	-100.5112423	369220.1989284306	4323908.45183238	2829.03230487128	2731.70707715514	2692.449223388707	2694.988690890806	30.6147733	36.521008065329
688	2168	82478.8586730335	793717.3170250766	-00.543769894007	-100.509101	369421.231020889	4323904.478343125	2829.03230487128	2730.61299004326	2690.876263130467	2693.437839134166	36.521008065329	36.521008065329
689	2169	83138.8586730335	793717.3170250766	-00.5437135903362	-100.5067777	369622.262094981	4323899.586343255	2829.03230487128	2729.1124215782306	2689.330321213005	2691.880057813412	37.8736706888464	37.8736706888464
690	2170	83798.8586730335	793717.3170250766	-00.5436583731987	-100.504444	369823.293386522	4323886.579166787	2829.03230487128	2728.016780888474	2687.817529678956	2689.330321213005	40.01016929	37.5858438464275
691	2171	84458.8586730335	793717.3170250766	-00.5435996172003	-100.502115	370024.329652967	4323882.92591512	2829.03230487128	2726.91680259176457	2686.345694716457	2688.77818042675	38.541146627894	37.9268638254275
692	2172	85118.8586730335	793717.3170250766	-00.543511986531	-100.499877	370238.456129057	4323878.610269134	2829.03230487128	2725.816780888474	2685.24365192	2687.91478773346	40.01016929	37.5858438464275
693	2173	85778.8586730335	793717.3170250766	-00.543483888202	-100.4974484	370426.3811478604	4323874.702071382	2829.03230487128	2724.26118894246	2683.5728885005	2685.7447134930106	38.541146627894	37.9268638254275
694	2174	86438.8586730335	793717.3170250766	-00.5434254308079	-100.4951611	370627.4155550478	4323870.74069201	2829.03230487128	2723.0664324652685	2682.293093924109	2684.281963390247	40.7670385119571	38.74607090750677
695	2175	87098.8586730335	793717.3170250766	-00.5433663466885	-100.4928377	370828.4587819928	4323866.785697038	2829.03230487128	2721.848523069507	2681.730912695925	2684.5229729154	37.67543179991404	37.32622577434364
696	2176	87758.8586730335	793717.3170250766	-00.543306978556	-100.4905144	371029.470631216	4323862.82748727	2829.03230487128	2720.627672569468	2681.07478272947	2681.07478272947	38.2579179306323	38.2579179306323
697	2177	88418.8586730335	793717.3170250766	-00.54324700815794	-100.488191	371230.5601295251	4323859.64838962	2829.03230487128	2719.43068065128	2679.81826161644	2680.4618083658	39.5125790486225	38.94205162854017
698	2178	89078.8586730335	793717.3170250766	-00.5431896379157	-100.485876	371431.5367014747	4323856.911511301	2829.03230487128	2718.272863	2678.722863	2679.1281566716	40.532012327316	39.2482773480778
699	2179	89738.8586730335	793717.3170250766	-00.5431259	-100.483444	371632.565889069	4323850.93284834	2829.03230487128	2717.061962727267	2677.539613788717	2677.539613788717	40.532012327316	39.2482773480778
700	2180	90398.8586730335	793717.3170250766	-00.543064328118	-100.4812211	371833.5958526385	4323846.93925955	2829.03230487128	2716.74485471007	2676.51343731525	2676.51343731525	39.50400584719	39.295894347604
701	2181	91058.8586730335	793717.3170250766	-00.543002442088	-100.4788978	372034.6312525937	4323843.039	2829.03230487128	2715.547802316394	2675.260272324264	2675.260272324264	39.50400584719	39.295894347604
702	2182	91718.8586730335	793717.3170250766	-00.5429400860625	-100.4765745	372236.654598207	4323839.016212516	2829.03230487128	2714.338200417231	2674.443270776337	2674.443270776337	39.7942964138944	39.2010454679514
703	2183	92378.8586730335	793717.3170250766	-00.5428782027726	-100.4742511	372436.683026737	4323835.125	2829.03230487128	2713.14045379291	2673.947389779	2673.947389779	39.7942964138944	39.2010454679514
704	2184	93038.8586730335	793717.3170250766	-00.5428152	-100.4719728	372637.317198613	4323831.167	2829.03230487128	2712.0176559383	2672.72940486685	2672.72940486685	40.01016929	37.5858438464275
705	2185	93698.8586730335	793717.3170250766	-00.542751270626	-100.469678	372838.410980525	4323827.01680625	2829.03230487128	2710.8596913019755	2671.67808492468	2671.67808492468	40.01016929	37.5858438464275
706	2186	94358.8586730335	793717.3170250766	-00.5426878	-100.4674782	373039.711421674	4323823.25452272	2829.03230487128	2709.61391571333	2670.51343731525	2670.51343731525	40.01016929	37.5858438464275
707	2187	95018.8586730335	793717.3170250766	-00.542623588959	-100.4649579	373240.799797174	4323819.297815031	2829.03230487128	2708.3613813745554	2669.274584	2669.274584	40.01016929	37.5858438464275
708	2188	95678.8586730335	793717.3170250766	-00.542565591763	-100.4626345	373441.8286879053	4323815.31430827	2829.032304					

ix	iy	x	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SothElevKgr.ft	SurfBothKgr.ft
49	x 2269	-332621.1413	79437.3172025076	39.505611433696275	-101.99369858	240931.7271083007	4236569.129	3850.157999034599	18.1630940370055	3774.660978139805	3770.885874400704	34.52101589720038	47.2772196330165
50	x 2270	-336601.1413	79437.3172025076	39.50560447720963	-101.9913627	241132.88039291278	4236655.04633968	3838.046874668573	3816.46704072459	3774.140153411109	3770.757279294675	47.65020877299139	47.65020877299139
51	x 2271	-332841.1413	79437.3172025076	39.50560475586775	-101.9890197	241334.03420769844	4236651.19405216	3834.1524210845477	3814.800831728296	3771.3076238687347	3750.986350757695	43.49230525761486	49.791421535371066
52	x 2272	-332781.1413	79437.3172025076	39.5056042964033	-101.9867167	241535.1861901577	4236646.9364204065	3835.414632806693	3813.101038795585	3768.961320041963	3762.490212917723	44.13790180725815	50.620400028323374
53	x 2273	-336621.1413	79437.3172025076	39.5057033855819	-101.9843396	241736.3387661658	4236642.87614697	3836.668554849677	3811.38852638349	3764.2251738826345	3759.879297600176	47.16335250120528	51.50859662383118
54	x 2274	-335961.1413	79437.3172025076	39.5057262061041	-101.9820706	241937.4900655615	4236638.809872747	3837.907726407277	3809.623624193245	3763.933543748185	3758.87207114401	50.790339916583646	51.50859662383118
55	x 2275	-335301.1413	79437.3172025076	39.50574902179725	-101.9797475	242138.6429684014	4236634.74549183	3835.965217965274	3807.922046	3761.106207076138	3760.73079719417	48.615838911011724	51.50859662383118
56	x 2276	-334641.1413	79437.3172025076	39.50577179611865	-101.9774245	242339.79471547375	4236631.68218005	3830.6105313180524	3806.167094869067	3758.244178	3753.674345972555	47.92226568387323	52.45748896512224
57	x 2277	-333981.1413	79437.3172025076	39.50579542557458	-101.9751816	242530.9462069844	4236628.19405216	3826.167094869067	3804.3970555239043	3755.23436885523	3750.986350757695	43.49230525761486	49.791421535371066
58	x 2278	-333321.1413	79437.3172025076	39.50581721016498	-101.9727784	242742.09743410498	4236622.55608779	3819.530980330776	3802.611159648078	3748.666871961178	3742.317194781022	53.941276889991	55.2939648671754
59	x 2279	-332661.1413	79437.3172025076	39.5058394889894	-101.9704554	242943.24842141242	4236618.94258717	3812.361317174905064	3800.8079051132318	3746.1853343505026	3744.801658821926	54.6202708272916	56.006246292019114
60	x 2280	-332001.1413	79437.3172025076	39.50586244	-101.9681323	243144.39491580183	4236614.4306150135	3802.56172305309	3798.9871204128185	3742.1827545641204	3742.9057481846376	56.80436548698126	56.80436548698126
61	x 2281	-331341.1413	79437.3172025076	39.5058498474272	-101.9658093	243345.54662153622	4236612.1286199565	3792.7621286199565	3792.7621286199565	3739.925994671555	3738.15021769192	52.226078076429	52.226078076429
62	x 2282	-330681.1413	79437.3172025076	39.505907499870625	-101.9634862	243546.69983636132	4236606.305826653	3782.962534184605	3782.962534184605	3739.7216071302826	3738.15021769192	43.24086417	43.24086417
63	x 2283	-330021.1413	79437.3172025076	39.5059296013281	-101.9611632	243747.6486900864	4236602.243881983	3778.199886911905	3778.199886911905	3737.10167272308	3736.81090009092704	39.0821539559683	39.0821539559683
64	x 2284	-329361.1413	79437.3172025076	39.5059523752024	-101.9584801	243948.999502637	4236598.181703647	3772.474191901856	3772.474191901856	3731.9638304539158	3733.931525226057	45.80280245	38.58266670250906
65	x 2285	-328701.1413	79437.3172025076	39.50597474605984	-101.9565171	244150.1489637508	4236594.119891634	3768.748495191808	3768.748495191808	3728.634868132738	3730.9040940191	44.06500576534394	37.758401130263235
66	x 2286	-328041.1413	79437.3172025076	39.50597707172461	-101.954194	244351.29816453287	4236590.058	3765.022798	3765.022798	3725.845057520655	3725.845057520655	47.7774069115043	36.6064396968316
67	x 2287	-327381.1413	79437.3172025076	39.50510193852438	-101.951871	244552.4471118167	4236585.9654661	3762.024189605454	3762.024189605454	3721.912050599642	3724.805314483555	40.11213900681332	37.2139581890986
68	x 2288	-326721.1413	79437.3172025076	39.50510158525639	-101.9495479	244753.5960580537	4236581.935434682	3759.25668568922	3759.25668568922	3719.040910491856	3721.781704730426	38.245719011618158	38.245719011618158
69	x 2289	-326061.1413	79437.3172025076	39.505106379252234	-101.9472248	244954.7442647076	4236577.874306705	3757.481148	3757.481148	3716.138532774727	3716.171620039451	41.38229424785735	39.3198552176552
70	x 2290	-325401.1413	79437.3172025076	39.50510695572433	-101.9449018	245155.8924347237	4236573.81326216	3755.209624846763	3755.209624846763	3713.342146892146	3714.852138282045	40.35748820263586	40.35748820263586
71	x 2291	-324741.1413	79437.3172025076	39.50510760795816	-101.942578	245371.94727217	4236573.81326216	3749.955542723974	3749.955542723974	3709.94963252854	3712.290454827235	43.49230525761486	43.49230525761486
72	x 2292	-324081.1413	79437.3172025076	39.50511300832788	-101.9402557	245558.1805251929	4236565.691490495	3757.3354061678056	3757.3354061678056	3708.8581791400693	3710.12423106072	44.47723222719528	47.1139360173351
73	x 2293	-323421.1413	79437.3172025076	39.505115209513048	-101.9378326	245759.3354831206	4236561.63182443	3759.509766303516	3759.509766303516	3706.861889647674	3707.1854356657746	52.647867665677464	52.647867665677464
74	x 2294	-322761.1413	79437.3172025076	39.50511740618781	-101.9356095	245960.482760262	4236557.510509319	3761.68412643898	3761.68412643898	3705.0379102706734	3704.900491589167	56.6426161813474	56.7837145722166
75	x 2295	-322101.1413	79437.3172025076	39.505119598374798	-101.9332865	246161.6268986015	4236551.19591312	3762.1172553481756	3762.1172553481756	3702.897956588605	3702.897956588605	55.71985688495125	58.71985688495125
76	x 2296	-321441.1413	79437.3172025076	39.505121786075189	-101.9309634	246362.7763639888	4236549.45093308	3760.8901370311835	3760.8901370311835	3700.069170630798	3700.336899894045	60.739924038554	60.739924038554
77	x 2297	-320781.1413	79437.3172025076	39.50512396989849	-101.9286432	246583.9228729564	4236543.183816494	3759.501057141924	3759.501057141924	3698.434978047692	3698.434978047692	61.65437871429216	61.65437871429216
78	x 2298	-320121.1413	79437.3172025076	39.505126107607	-101.9263173	246795.140167327	4236540.33146919	3758.192943677021	3758.192943677021	3697.704698464	3697.704698464	64.4862014714207	65.33132550467
79	x 2299	-319461.1413	79437.3172025076	39.5051282256558	-101.9239942	246966.2148803565	4236537.271981859	3754.45828014682	3754.45828014682	3691.331840952564	3688.18969097163	62.1264170021713	62.26855892
80	x 2300	-318801.1413	79437.3172025076	39.5051304020104016	-101.9216711	247167.3605126882	4236533.212663926	3748.296979566633	3748.296979566633	3688.090835662213	3685.707340744716	60.620477042313	62.896441519472
81	x 2301	-318141.1413	79437.3172025076	39.5051326572775935	-101.919348	247368.50897106872	4236529.15351208	3742.135701	3742.135701	3684.6523626608	3682.340625823548	57.48247648552189	59.7950753
82	x 2302	-317481.1413	79437.3172025076	39.505134818058138	-101.9171025	247569.6511404048	4236525.09452705	3735.974426705443	3735.974426705443	3681.029142793363	3678.8592849739954	54.725479715804	57.115131965487
83	x 2303	-316821.1413	79437.3172025076	39.505136974350207	-101.9147018	247769.595995602	4236521.30570409	3731.917708788994	3731.917708788994	3677.2492825265904	3675.728738620704	54.6884262620045	56.6389701862805
84	x 2304	-316121.1413	79437.3172025076	39.505139126192525	-101.912378	247971.94727217	4236517.07754306	3729.955542723974	3729.955542723974	3675.3144975172096	3672.2144975172096	55.73567172096	55.73567172096
85	x 2305	-315501.1413	79437.3172025076	39.505141273208791	-101.910057	248173.0851480404	4236512.818567397	3728.01341058928	3728.01341058928	3668.473089888764	3668.473089888764	58.2232027005498	59.54192832307017
86	x 2306	-314841.1413	79437.3172025076	39.50514316313716	-101.9077326	248374.2293175087	4236508.06246574	3726.0126084327	3726.0126084327	3666.187512523795	3664.94362429202	59.673309618447365	61.2191451824975
87	x 2307	-314181.1413	79437.3172025076	39.50514555466094	-101.9054095	248575.372380564	4236504.802	3724.3645995367083	3724.3645995367083	3663.287789	3661.7285336662705	61.076891059720835	62.6360657
88	x 2308	-313521.1413	79437.3172025076	39.5051476885214925	-101.9030865	248786.5160991637	4236500.74410356	3722.924362375672	3722.924362375672	3660.961213291796	3658.96232372179	62.661212958351756	63.96110251628852
89	x 2309	-312861.1413	79437.3172025076	39.505148817895361	-101.9007634	248977.66033127502	4236494.68037564	3721.482252938473	3721.482252938473	3658.686967474383	3656.7999672282143	65.6137131909004	65.6137131909004
90	x 2310	-312201.1413	79437.3172025076	39.505151942785017	-101.8984043	249178.8035040045	4236492.63825493	3720.041079639166	3720.041079639166	3655.9837971159	3653.982187564019	67.0596806726495	67.0596806726495
91	x 2311	-311541.1413	79437.3172025076	39.50515409765858	-101.896119	249379.9464592363	4236488.511384164	3718.495473213676	3718.495473213676	3653.498932713676	3651.498932713676	69.7476901	69.7476901
92	x 2312	-310881.1413	79437.3172025076	39.505156179096584	-101.8937941	249581.089169546	4236483.31811841	3717.014316662273	3717.014316662273	3648.854474023663	3646.854474023663	65.106767456432	68.0517490763181
93	x 2313	-310221.1413	79437.3172025076	39.505158290523969	-101.891471	249782.2315387613	4236480.45642222	3712.055390787328	3712.055390787328	3646.783356147012	3643.58513734936	65.2720640346168	68.487025705
94	x 2314	-309561.1413	79437.3172025076	39.5051603974643825	-101.8891479	249983.3731409035	4236476.39662735	3709.149390642958	3709.149390642958	3643.4824132			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogK.ft	SatSbHtLog.ft
175	4	2395	-25601.1413	79437.3710250766	39.053161159	-101.7009732	266275.0858904392	3426148.33443595	3426.2609758979042	3504.73042014146604	3428.1993302725996	3428.1993302725996	76.8875719376578	76.513097042064407
176	4	2396	-25441.1413	79437.3710250766	39.05317897961993	-101.69886	266276.2085526526	3548.405291336317	3548.405291336317	3427.16174763847	3422.195894254705	3424.085366977590	77.52623404885592	77.52623404885592
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178	4	2398	-25411.1413	79437.3710250766	39.05321362557376	-101.6940036	266874.5674573376	3426136.20476522	3426.093222113437	3495.351084791219	3428.1993302725996	3424.085366977590	77.52623404885592	77.52623404885592
179	4	2399	-25346.1413	79437.3710250766	39.05323808	-101.6918604	267079.5745972204	3426132.161868872	3567.277322126083	3489.209412597005	3420.73448	3423.09357273917	77.47483217631518	77.47483217631518
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183	4	2403	-25081.1413	79437.3710250766	39.05326845741356	-101.6823276	267864.0596911475	3426115.981842755	3561.217751	3479.56658938158	3408.587072477383	3409.448747066516	77.07951686	77.07951686
184	4	2404	-25016.1413	79437.3710250766	39.05331648595439	-101.6800654	268065.18400024035	3426113.94587019	3473.872780217147	3404.103053468906	3402.839994217583	3404.103053468906	77.28421543330506	77.28421543330506
185	4	2405	-24950.1413	79437.3710250766	39.05333347231717	-101.6777412	268286.3008719483	3426107.90777873	3536.651271248059	3401.238605310479	3399.54256232902	3399.54256232902	77.1615357791	77.1615357791
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197	4	2417	-24158.1413	79437.3710250766	39.0535334822232	-101.6498623	270699.728718475	3426059.19234349	3478.713389188844	3434.1848484714275	3366.055404040483	3359.410624391286	77.6026590995751	77.6026590995751
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199	4	2419	-24026.1413	79437.3710250766	39.0535666686285	-101.6452162	271101.96350976336	3426051.338715319	3459.7910661234946	3427.940566559042	3357.06037502042	3348.24785912808	77.80880288	77.80880288
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220	4	2440	-22640.1413	79437.3710250766	39.053899726176276	-101.5								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatThKLog.s	SatThKBoth.f
301	2521	-172941.1413	79437.3170250766	39.054999391919736	-101.408243	291614.774712733784	4325640.168493435	3231.57377	3200.290039945298	3215.5500841262087	3195.9172474646672	0	4.372712480380614	
302	2522	-172281.1413	79437.3170250766	39.05501112826355	-101.4059197	291815.8662230418	4325636.145095229	3232.7844288196975	3199.624737822515	3214.9517868868897	3193.70588648745	0	3.921591937840276	
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304	2524	-170961.1413	79437.3170250766	39.055034466309344	-101.4012731	292218.0197090397	4325628.101227744	3208.35923091117	3198.310400410787	3208.35923091117	3193.90358875332	0	4.3620581135454035	
305	2525	-170301.1413	79437.3170250766	39.05504606802563	-101.3989488	292419.1531	4325624.079128447	3206.6722262408575	3197.667024631264	3206.6722262408575	3193.861971345573	0	3.8050454967069527	
306	2526	-169641.1413	79437.3170250766	39.05505762486545	-101.3962625	292620.2473585324	4325620.1957198771	3192.985127412014	3192.985127412014	3192.985127412014	3192.985127412014	0	0	
307	2527	-168981.1413	79437.3170250766	39.055069136837766	-101.3943032	292821.3414025754	4325616.035	3185.40452493817	3185.40452493817	3185.40452493817	3185.40452493817	0	0	
308	2528	-168321.1413	79437.3170250766	39.05508063933526	-101.3919798	293202.43522115586	4325612.01833251	317.9299433086967	317.9299433086967	317.9299433086967	317.9299433086967	0	0	
309	2529	-167661.1413	79437.3170250766	39.055092026150755	-101.3898656	293523.5284938783	4325591.992897394	3170.4554341235757	3170.4554341235757	3170.4554341235757	3170.4554341235757	0	0	
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311	2531	-166341.1413	79437.3170250766	39.055114735979444	-101.3850098	293925.7164695844	4325599.95019441	3162.739890820537	3162.739890820537	3162.739890820537	3162.739890820537	0	0	
312	2532	-165681.1413	79437.3170250766	39.055126023580904	-101.3828686	293826.808	4325595.929077334	3169.72332	3169.72332	3169.72332	3169.72332	0	0	
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314	2534	-164361.1413	79437.3170250766	39.05514846416282	-101.3780399	294228.9938396967	4325587.888	3183.717213668387	3183.717213668387	3183.717213668387	3183.717213668387	0	0	
315	2535	-163701.1413	79437.3170250766	39.05515961714327	-101.3757166	294530.0862829537	4325583.867238383	3192.0877442714577	3191.4603201515165	3192.0877442714577	3188.72629125258	0	2.7340300259884316	
316	2536	-163041.1413	79437.3170250766	39.05517072	-101.373393	294631.1784793963	4325579.8469544975	3201.836364520315	3190.861994795618	3201.836364520315	3192.398872786972	0	0	
317	2537	-162381.1413	79437.3170250766	39.05518718848304	-101.37107	294832.2704339435	4325575.8268381555	3211.584984785172	3207.602433129815	3211.584984785172	3192.264878728913	0	0	
318	2538	-161721.1413	79437.3170250766	39.0551920684232	-101.3687467	295033.36236545356	4325571.807	3221.33360542029	3189.675114634064	3221.33360542029	3191.943843130266	0	0	
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321	2541	-159741.1413	79437.3170250766	39.0552259627671	-101.3617767	295636.6364305491	4325559.748003095	3253.240289979554	3187.9072763521935	3253.240289979554	3190.316989449507	0	0	
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329	2549	-154461.1413	79437.3170250766	39.05531194712158	-101.3431961	297245.3586496234	4325527.598923427	3303.116787789416	3183.116787789416	3303.116787789416	3190.43833616945	0	0	
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331	2551	-153141.1413	79437.3170250766	39.055331961998306	-101.3385434	297647.537359386	4325519.562434581	3312.045836884365	3181.896469592007	3312.045836884365	3190.3237546022307	0	0	
332	2552	-152481.1413	79437.3170250766	39.05534235212304	-101.3362201	297848.6236428816	4325515.544782397	3309.224995970223	3181.2813927604093	3312.973728826207	3192.240149122605	0	0	
333	2553	-151821.1413	79437.3170250766	39.05535269737371	-101.3338967	298049.7152713292	4325511.527294628	3306.404083	3180.6638700851313	3312.427797374033	3192.041503963146	0	0	
334	2554	-151161.1413	79437.3170250766	39.05536299750336	-101.3315734	298250.8037128414	4325507.51	3303.583206102337	3180.0463706736764	3312.4040120899294	3190.589167106034	0	0	
335	2555	-150501.1413	79437.3170250766	39.05537325252895	-101.3292501	298451.8809209774	4325503.492812317	3306.6582188399577	3179.428730163065	3312.21727874517406	3190.836951975163	0	0	
336	2556	-149841.1413	79437.3170250766	39.05538346381334	-101.3269538	298649.715717755	4325499.475817755	3315.629112326541	3178.91054190548	3312.088429779826	3190.49840959835	0	0	
337	2557	-149181.1413	79437.3170250766	39.05539363963563	-101.3246034	298854.0687284269	4325495.48989756	3324.600126401235	3178.9191804268533	3312.0511220536781	3190.215891197592	0	0	
338	2558	-148521.1413	79437.3170250766	39.05540375051581	-101.3222801	299055.156075728	4325491.442321778	3333.570912400764	3177.571922755662	3320.0760187035166	3201.9304524749427	0	0	
339	2559	-147861.1413	79437.3170250766	39.05541382651283	-101.3199567	299256.234664875	4325487.45820325	3340.211936361587	3176.9507097400224	3320.9418153339265	3202.64239616281	0	0	
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341	2561	-146541.1413	79437.3170250766	39.05543384	-101.3153101	299658.41682076596	4325479.393305795	3348.4326841803	3175.9059393210427	3320.9418153339265	3203.947808808245	0	0	
342	2562	-145881.1413	79437.3170250766	39.0554437852474	-101.3129667	299859.5056027639	4325473.77302221	3353.145387062125	3175.062908376484	3320.94174917919	3190.859705008796	0	0	
343	2563	-145241.1413	79437.3170250766	39.05545319818038	-101.3106341	300060.6996977385	4325467.391458251	3357.23145849543	3174.68899145543	3320.94174917919	3190.859705008796	0	0	
344	2564	-144561.1413	79437.3170250766	39.0554633343888	-101.3083001	300261.6786578574	4325463.57785165	3357.824077326294	3173.83794292324	3320.94174917919	3190.859705008796	0	0	
345	2565	-143901.1413	79437.3170250766	39.055473304199534	-101.3060167	300462.7650874205	4325463.30263154	3354.83052058198584	3173.204427	3320.94174917919	3190.859705008796	0	0	
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347	2567	-142581.1413	79437.3170250766	39.05549321909797	-101.30137	300864.9373214565	4325455.299725374	3354.635363950392	3171.94196848614	3320.94174917919	3190.859705008796	0	0	
348	2568	-141921.1413	79437.3170250766	39.055502491235714	-101.2990467	301066.02314436797	4325451.284720944	3354.7945878703713	3171.3073181552	3320.94174917919	3190.859705008796	0	0	
349	2569	-141261.1413	79437.3170250766	39.05551211849912	-101.2967234	301267.10871747893	4325447.269844807	3354.7945878703713	3171.3073181552	3320.94174917919	3190.859705008796	0	0	
350	2570	-140501.1413	79437.3170250766	39.05552170089815	-101.2944	301468.194	4325443.25510595	3355.113036	3170.033757418952	3320.94174917919	3190.859705008796	0	0	
351	2571	-139941.1413	79437.3170250766	39.05553123840279	-101.2920767	301669.27943912233	4325439.360261383	3354.7603067104988	3169.3950422814105	3320.94174917919	3190.859705008796	0	0	
352	2572	-139281.1413												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BRLEvLogKrg.ft	BRLEvBotKrg.ft	SatThLogKrg.ft	SatThBotKrg.ft
427	2647	-89781.14133	79437.3170250766	39.566124785844354	-101.115501	116951.20142698335	43251.341646262	9310.910228769996	310.5014540734748	3048.9691176140627	3050.5108142017107	56.432423120685144	54.89072653307196	
428	2648	-89721.14133	79437.3170250766	39.56613086798434	-101.113177	117152.2723203137	43251.30145586738	9322.2786021131046	310.5207689275814	3047.9690053040742	3048.382636191474	54.83703556430314	54.83703556430314	
429	2649	-89661.14133	79437.3170250766	39.56613693549806	-101.108643	117353.2428571204	43251.2612818984	9321.646675839657	310.53148407279927	3052.086140974917	3054.58527859565	55.02879976382174	54.82941431	
430	2650	-89601.14133	79437.3170250766	39.56614289673775	-101.105309	117554.14123323477	43251.22161124298	9319.7225153076017	310.1762215810403	3051.482001505061	3053.545227679633	55.00321422738173	54.82698133507919	
431	2651	-89541.14133	79437.3170250766	39.56614884515114	-101.1062705	117755.4836	43251.1860983495	9318.722307580163	310.92271621896115	3050.704859952479	3051.6681074175713	55.01640723662629	54.85315977204027	
432	2652	-89481.14133	79437.3170250766	39.566154874778966	-101.1038841	117956.55365972745	43251.1460881738	9317.761751796746	309.923103675486204	3045.8670478398814	3047.4035575486204	55.0436232742734	51.82793121668385	
433	2653	-89421.14133	79437.3170250766	39.56616080555124	-101.1015607	118153.6236695776	43251.1060671298	9316.816248179484	309.97914267194874	3043.827512896387	3045.26781503238	54.08675298479272	52.63742014164063	
434	2654	-89361.14133	79437.3170250766	39.56616641843792	-101.0992374	118358.6933010045	43251.06066571305	9315.858940271665	309.750224567486	3041.750224567486	3041.12194014328	54.81832232182456	53.44737274602654	
435	2655	-89301.14133	79437.3170250766	39.56617216449581	-101.096914	118559.7682541214	43251.0205817292	9314.599675339657	309.5196874744287	3039.210246130345	3040.096565076936	55.9646234469314	55.12736867365626	
436	2656	-89241.14133	79437.3170250766	39.56617799585452	-101.0945906	118760.832294067	43250.9805223011	9313.027477521671	309.8310310564158	3037.0882307703712	3037.885492727235	57.11474793786175	55.91708398323508	
437	2657	-89181.14133	79437.3170250766	39.56618358784439	-101.0922672	118961.90147619156	43251.04578631263	9312.457988316147	309.28320880812	3034.9599469774193	3035.4297710142083	57.49272391059265	56.6935137	
438	2658	-89121.14133	79437.3170250766	39.56618922122865	-101.0899438	119162.97045457124	43250.9604525315	9312.088489704673	309.056418442438	3032.815915976787	3034.881656599518	58.140502465551025	57.5475977884274	
439	2659	-89061.14133	79437.3170250766	39.56619480937328	-101.0876204	119364.032889512	43250.9206441858	9310.0102943403	308.95059241429367	3030.95566386865	3031.856362724975	57.64596117196165	57.64596117196165	
440	2660	-89001.14133	79437.3170250766	39.56620035512065	-101.0852971	119565.10795413336	43250.88064048191	9308.63270332133	308.038154963493	3028.783764220799	3029.655367059538	59.025512755016	58.383448381125	
441	2661	-88941.14133	79437.3170250766	39.56620586212804	-101.0829377	119766.1764	43250.84057805	9307.6384917122635	308.0545848458308	3026.593111431536	3027.472199229174	59.961470481484	59.961470481484	
442	2662	-88881.14133	79437.3170250766	39.56621136060274	-101.0806351	119967.2447573276	43250.740502945	9306.4495412101987	308.054385658156	3024.379254056516	3025.202377717685	60.67113117016401	59.8520074	
443	2663	-88821.14133	79437.3170250766	39.566216715015275	-101.0783269	120168.12888545	43250.67056347	9305.753526424999	308.033776269963	3020.1145350608364	3021.332742849291	61.43424202015991	62.201491978796	
444	2664	-88761.14133	79437.3170250766	39.56622207914559	-101.0760035	120369.38064096966	43250.606563162	9304.24841424869	307.84026093504	3017.894083636136	3019.062887419593	61.1143242498753	62.945531654548	
445	2665	-88701.14133	79437.3170250766	39.5662274	-101.0736801	120570.488252526	43250.54067236055	9303.8443302226303	306.841863234974	3015.671651512123	3016.786101372496	64.7902218283451	63.6757619524617	
446	2666	-88641.14133	79437.3170250766	39.566232672779124	-101.0713567	120771.516235478	43250.5068277505	9302.84420149607	307.8895171396903	3013.4660840591996	3014.5761771970297	65.4338711	63.747916991664	
447	2667	-88581.14133	79437.3170250766	39.5662379	-101.0690337	120972.586660384	43250.450849277	9301.726724617707	307.706176164574	3011.381787164574	3012.596069616197	65.961623069707	64.7273140617489	
448	2668	-88521.14133	79437.3170250766	39.56624306959795	-101.0667	121173.65092104827	43250.405809474	9300.70941896736	307.7351170232317	3009.26514223646	3010.347134724221	65.9304585919122	65.3280430792609	
449	2669	-88461.14133	79437.3170250766	39.56624816997618	-101.064378	121369.780062124	43250.3612289362	9299.74182289362	307.768361762818	3007.3282289362	3008.3282289362	65.91837755425994	65.91837755425994	
450	2670	-88401.14133	79437.3170250766	39.5662532153753	-101.0620362	121575.7840511724	43250.3214704783	9298.715635319575	307.8252102746107	3006.2669159714374	3007.4542686714374	65.9161787	64.9783387	
451	2671	-88341.14133	79437.3170250766	39.56625837153776	-101.0597398	121776.851364277	43250.28316937481	9297.5566718817867	307.919177549165	3005.709296863461	3006.60952863656	62.20286805703554	61.22142818979138	
452	2672	-88281.14133	79437.3170250766	39.5662637666226	-101.0574164	121977.918139446	43250.24316795968	9296.386140624265	306.9289379134319	3007.3462179604717	3008.21541116331	61.9431611738473	61.07423901798802	
453	2673	-88221.14133	79437.3170250766	39.5662683691098	-101.055093	122178.9845696218	43250.20351458313	9295.176166802436	306.761524766113	3006.246336446843	3007.05269851006	61.45119012184263	60.65526491481251	
454	2674	-88161.14133	79437.3170250766	39.5662732223839	-101.0527696	122380.05077515276	43250.162495364	9294.0177441424205	306.6298139077894	3005.33294318735	3005.986317424615	62.04921589053423	60.04319648	
455	2675	-88101.14133	79437.3170250766	39.56627812278185	-101.0504125	122589.11680727894	43250.12368107358	9292.8412694851184	306.43136829103584	3004.3136829103584	3004.3136829103584	62.04921589053423	60.04319648	
456	2676	-88041.14133	79437.3170250766	39.566283154712387	-101.048128	122789.1820810835	43250.08467168409	9291.625182766409	306.2351190527161	3003.25725471861	3003.25725471861	62.04921589053423	60.04319648	
457	2677	-87981.14133	79437.3170250766	39.566287729147904	-101.0457994	122983.2483420213	43250.0416352404	9290.416558656967	306.110878668455	3002.16162859041	3002.16162859041	62.04921589053423	60.04319648	
458	2678	-87921.14133	79437.3170250766	39.5662924051764	-101.0434761	123184.1385918606	43250.003327639	9289.2652924051764	305.9456363126364	3001.32966841826	3004.47544274477	61.5482713513505	55.68921580947695	
459	2679	-87861.14133	79437.3170250766	39.56629715601385	-101.0411527	123385.379297406	43250.0063692313	9288.31504804211	305.7188110268137	3002.22929856942	3003.47828	55.68921580947695	54.3399447590374	
460	2680	-8801.14133	79437.3170250766	39.5630180213188	-101.0388293	123586.444612183	43250.002402399	9287.10611615738	305.402148979696	3001.2681931568	3002.4921408419796	53.7414125815477	53.7414125815477	
461	2681	-87941.14133	79437.3170250766	39.56306340337407	-101.0365859	123787.5094524876	43249.9645315897	9286.1845915235636	305.3423838165675	3001.477421028764	3004.764325314335	53.045871607802746	53.045871607802746	
462	2682	-87881.14133	79437.3170250766	39.56310718570019	-101.0341925	123989.57471021835	43249.9447120183	9285.049471274267	305.280246174267	3000.498772241931	3002.3813025351	52.92136271183	52.92136271183	
463	2683	-87821.14133	79437.3170250766	39.5631547123287	-101.031891	124189.6839711247	43249.905693099	9284.067058159633	305.2425279320322	2997.942112180834	2999.137394458666	52.92976734191892	52.92976734191892	
464	2684	-87761.14133	79437.3170250766	39.5631993784548	-101.0295357	124390.7034	43249.8655	9283.165487455241	304.912447000868	2996.7489917611214	2997.91118432366	52.96345239755694	51.7012587	
465	2685	-87701.14133	79437.3170250766	39.5632435968421	-101.0272123	124591.76769259747	43249.83877135417	9282.0919873154506	304.95508110773604	2996.650636877782	2998.4394485367782	51.45109237668805	51.45109237668805	
466	2686	-87641.14133	79437.3170250766	39.5632873644704	-101.0248889	124792.8318224066	43249.816343304	9281.04777952992	304.8634173	2994.224400838364	2996.91591592112	51.0701180326354	51.0701180326354	
467	2687	-87581.14133	79437.3170250766	39.5633306843399	-101.022565	124993.8957805388	43249.7467908114	9280.156871609114	304.718311120762	2992.588728527797	2993.80648191774974	52.919282589622501	50.74891943526454	
468	2688	-87521.14133	79437.3170250766	39.5633735554055	-101.0202421	125194.9596	43249.70472548237	9279.1523025418527	304.519457169254	2991.2422947700915	2992.461623615667	51.09224535580696	50.74891943526454	
469	2689	-87461.14133	79437.3170250766	39.56341718570019	-101.0179125	125396.059625826	43249.667058159633	9278.049471274267	304.429872241931	2990.498772241931	2991.07384742684	51.753186274984	51.753186274984	
470	2690	-87401.14133	79437.3170250766	39.5634571613941	-101.015593	125597.682690467	43249.6282309654	9277.017842767197	304.3040267767197	2989.6310921929	2989.6310921929	51.647251757865	50.91494453583634	
471	2691	-87341.14133	79437.3170250766	39.5634994762269	-101.0132719	125798.149900366	43249.58467436841	9276.01459226872	303.843765983136	2989.77585063734	2991.080454	48.70768915807184	47.403311899519405	
472	2692	-87281.14133	79437.3170250766	39.5635405523004	-101.0109485	125999.213001695	43249.5462772354	9275.03173951807	303.63362490457	2987.827537599093	2989.05101311335	48.70768915807184	47.40331189951	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevKgm.f	BR ElevBothKgm.f	SatHtKgm.f	SatHtBoth.ft
53	273	-6621.141327	79437.3170250766	-00.565653777896285	-00.8227529	342284.776653607	3424831.662904204	3012.9556959232816	2913.867369893587	2885.892210700024	2885.8967333072	28.9751582683296	27.9975973
534	4	-2774	-6601.141327	79437.3170250766	-00.56565377	-00.8204298	342485.8263578885	3010.514485196715	2912.186871333295	2880.7841121156234	2880.6913033121424	31.40279923135642	31.49558013893772
535	275	-5301.141327	79437.3170250766	-00.565653844444444	-00.8141681	342886.9780084988	3424623.7003707578	2910.539118971464	2913.745310871464	2873.128051824584	2873.128051824584	33.7658017345855	33.7658017345855
536	276	-4641.141327	79437.3170250766	-00.565653886554144	-00.8152772	342887.9255055577	3424621.79	3006.963486055495	2908.9260592091325	2870.0486391194268	2870.0486391194268	33.807111768571	33.807111768571
537	277	-3981.141327	79437.3170250766	-00.5656539179687055	-00.8143369	343088.9740483552	3424615.7383806028	3005.8180081202993	2937.37688101365	2867.775481568585	2866.9427350700252	36.1693936434658	40.3954483133984
538	278	-3321.141327	79437.3170250766	-00.565653942794549	-00.8113593	343290.0240463362	3424611.758	3003.8617521321933	2869.617311503094	2868.938122423313	2868.938122423313	36.14785724	36.14785724
539	279	-2661.141327	79437.3170250766	-00.565653963132539	-00.8088125	343491.0730778984	3424607.772724638	2904.1891900966037	2872.786133817616	2872.1501172695052	2872.1501172695052	31.40305285980553	32.0390721168126
540	280	-2001.141327	79437.3170250766	-00.56565398629884	-00.806489	343692.1219635033	3424603.79605542	3004.1340877630274	2902.61736129264	2876.210197279617	2876.210197279617	34.40345894636997	37.05551723470048
541	281	-1341.141327	79437.3170250766	-00.56565398629884	-00.8041658	343893.1706973014	3424598.916996036	3004.9437682823564	2903.9437682823564	2876.61736129264	2876.61736129264	31.38796469468986	31.38796469468986
542	282	-681.1413269	79437.3170250766	-00.5656539972210054	-00.8018422	344054.2192761425	3424595.83665112	3005.543898942635	2899.447129104563	2881.396396932625	2880.669107740811	31.8795105283134	31.8795105283134
543	283	-21.14132693	79437.3170250766	-00.56565399606569	-00.7995188	344295.267044884	3424591.865773757	2897.4651615455386	2882.92360912834	2882.302369912834	2882.302369912834	31.82838518774753	31.82838518774753
544	284	638.85867303514	79437.3170250766	-00.565653975080516	-00.7971954	344496.3159809711	3424587.877054964	2896.246635233819	2894.283957365444	2881.1431638153244	2881.1431638153244	31.27267270068867	31.27267270068867
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546	286	1958.85867303514	79437.3170250766	-00.56565397845485	-00.7925486	344898.4120911857	3424579.91105039	2996.091649369367	2893.08322172416	2876.75583360374	2875.41133808772	31.26524885220416	31.26524885220416
547	287	2588.85867303514	79437.3170250766	-00.5656539642825314	-00.7902252	345099.4599011217	3424575.938873885	2995.2967024047959	2891.37389316283	2873.83152303789	2872.366589309794	31.264325127383947	31.264325127383947
548	288	3278.85867303514	79437.3170250766	-00.56565394231951	-00.787910	345300.50757214228	3424571.959085264	2989.8446494971044	2890.47370491431	2870.76117338962	2869.22047411088	31.96780249339192	30.508273667903268
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552	292	5918.8586730351	79437.3170250766	-00.565653819153334	-00.7786082	346104.6967504282	3424556.05155896	2883.937171713714	2883.40209243354	2855.963388338344	2853.591439829564	31.279026879782686	30.94761360569
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554	294	7238.8586730351	79437.3170250766	-00.565653786285246	-00.7739613	346506.7904394892	342448.08806171	2874.89284289504	2879.635356264385	2849.08211224537	2846.41180171434	30.94354261910712	30.94354261910712
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556	296	8558.8586730351	79437.3170250766	-00.5656536222726585	-00.7693145	346908.838520979	3424531.31106324	2871.9617743213865	2876.105959553237	2844.7971171861296	2841.721215057332	31.38704209194056	31.38704209194056
557	297	9218.8586730351	79437.3170250766	-00.56565361834216	-00.7669911	347109.9298	3424536.156	2890.847734213655	2881.64467678253	2837.90390426294	2832.0421262	36.5347788495913	36.5347788495913
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561	301	11858.8586730351	79437.3170250766	-00.56565327819294	-00.7578795	347914.11564461697	3424520.24698944	2967.0412389127515	2837.0412389127515	2834.47370491434	2830.488123350574	31.7654119107388	31.7654119107388
562	302	12518.8586730351	79437.3170250766	-00.56565319	-00.7557371	348122.638579887	3424516.05295935	2965.451628959395	2831.42891701171976	2831.42891701171976	2831.42891701171976	31.7654119107388	31.7654119107388
563	303	13178.8586730351	79437.3170250766	-00.56565310495778	-00.7530607	348316.2046552073	3424512.31062394	2959.25362949237	2863.785629051534	2830.88674717685	2827.35689984642	31.8988817694903	36.5182718303099
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566	306	15158.8586730351	79437.3170250766	-00.565652815937009	-00.7460805	348919.3405564784	3424503.34523293	2952.663662753023	2858.642921	2827.8591358303526	2823.9254605490707	31.7056909999651	36.7324765449879
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569	309	17138.8586730351	79437.3170250766	-00.5656525685275024	-00.7391102	349522.4742360719	3424488.436891505	2948.1641256172695	2853.5860144625275	2819.576117123506	2816.93371875939	30.40909047707645	38.4571675826824
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576	316	21758.8586730351	79437.3170250766	-00.56565156083066	-00.7228844	350924.7919681747	3424460.611834374	2921.804296326656	2843.525214	2808.1817979652	2807.902343621216	31.7056909999651	36.94954734
577	317	22418.8586730351	79437.3170250766	-00.565651406468335	-00.720523	351130.8253484396	3424456.637475415	2920.83796663149	2842.180934168046	2803.858785190723	2800.86371480324	31.822256483424	31.4712193616351
578	318	23078.8586730351	79437.3170250766	-00.56565125967435	-00.718196	351331.86832225	3424452.663727828						

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEVLogKrg.ft	BREIEVLogKrg.ft	SatHtBoth.ft	
679	4	2899	76538.8586730335	79437.3170250766	39.05623823577861	-005.3000043	367165.90830165707	423431.291461823	240.358531614214	2706.719942526969	2707.1488158620374	33.928105282571915	33.499232320354
680	4	2900	77158.8586730335	79437.3170250766	39.0562330915033	-005.5276809	367165.940535588	423427.3305421295	238.222151154013	2739.4711060556915	2705.482696016236	33.9882370326291	33.55246463
681	4	2901	77638.8586730335	79437.3170250766	39.05622773746639	-005.1253575	36817.972670968	423423.369738992	338.087176819815	2704.76439121584	2703.98055492414624	33.98055492414624	33.52748734778652
682	4	2902	78185.8586730335	79437.3170250766	39.0562221256771	-005.5203041	36823.95024050873	423419.1250729033	383.9520213657764	2737.102157290333	2703.620718241827	33.9581803842849	33.48895814444859
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685	4	2905	80498.8586730335	79437.3170250766	39.0562060287354	-005.16064	368822.0987	423407.5286356785	2828.2175051451933	2733.5458125815586	2699.8921269188877	33.701751	33.37071455
686	4	2906	81158.8586730335	79437.3170250766	39.0562070699115	-005.1317406	369023.1298484381	423410.358416239	2826.3506130572977	2732.352414215358	2699.49825810969	36.95415600456782	36.3433666077115
687	4	2907	81818.8586730335	79437.3170250766	39.05619755187	-005.114172	369224.161103996	423409.608627217	2731.15667801378	2731.15667801378	2699.891315406076	36.95415600456782	36.705166823806
688	4	2908	82478.8586730335	79437.3170250766	39.05618950599415	-005.090938	369425.192132362	423408.645999684	2821.6740205216	2729.57131747604	2699.238825250294	37.0795177652407	37.0795177652407
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691	4	2911	84458.8586730335	79437.3170250766	39.0561725544457	-005.5021237	370028.28464126566	423407.71705825	2813.5619839947494	2726.3429350326355	2685.658711077535	38.2400494847995	38.2400494847995
692	4	2912	85118.8586730335	79437.3170250766	39.0561769303042	-004.499003	370229.148855606	423407.811204258	2800.7860389874	2725.132494036723	2684.177533239614	38.042199961357874	38.042199961357874
693	4	2913	85778.8586730335	79437.3170250766	39.05616979256685	-004.497479	370430.3453682905	423407.853284037	2806.010736029627	2723.91971942208	2684.738899973441	38.93648697035496	38.93648697035496
694	4	2914	86438.8586730335	79437.3170250766	39.05616512440935	-004.481535	370631.37585869134	423407.894625247	2802.234163706673	2722.70297928564	2681.346555710387	39.3522538965637	39.3522538965637
695	4	2915	87098.8586730335	79437.3170250766	39.05614922446466	-004.4928301	370832.40580734727	423407.963127886	2797.993366201825	2721.483886518207	2682.823552529606	38.93648697035496	38.93648697035496
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697	4	2917	88418.8586730335	79437.3170250766	39.05613729043986	-004.488134	371234.4657301534	423407.019617405	2788.458404062813	2719.036842411925	2678.234096086823	37.0795177652407	37.0795177652407
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699	4	2919	89738.8586730335	79437.3170250766	39.0561251768393	-004.483136	371636.52515497856	423405.10752521	2770.38666432322	2716.537917871923	2674.931858754995	41.64605921862724	41.64605921862724
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701	4	2921	90938.8586730335	79437.3170250766	39.0561128368274	-004.479589	372054.759071654	423404.18315818	2774.1617039594	2677.710451	2674.931858754995	42.65372903471597	42.65372903471597
702	4	2922	91718.8586730335	79437.3170250766	39.05610669791184	-004.476565	372239.6133620202	423404.231165539	2774.62262710474	2712.8610962303	2670.98233174194	42.65372903471597	42.65372903471597
703	4	2923	92378.8586730335	79437.3170250766	39.05610041102414	-004.4742431	372440.6425	423404.273925616	2773.380934717541	2711.62184003833	2669.762549702897	41.8597811209131	41.8597811209131
704	4	2924	93038.8586730335	79437.3170250766	39.056094107381604	-004.4719197	372641.6715491047	423403.316914335	2772.80456489253	2710.373305	2668.211053421107	42.65372903471597	42.65372903471597
705	4	2925	93698.8586730335	79437.3170250766	39.0560877588635	-004.4699563	372842.70045791654	423403.360307046	2772.22805838005	2709.122357195884	2665.0843973982	40.702610010254	40.702610010254
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708	4	2928	95678.8586730335	79437.3170250766	39.056068440571	-004.462042	373445.786840005	423403.49037909	2770.4516347009	2705.9439779324	2659.3497779324	42.65372903471597	42.65372903471597
709	4	2929	96338.8586730335	79437.3170250766	39.05606191603749	-004.460328	373646.814666506	423403.53109577	2770.26961351599	2704.075951688434	2655.801380452115	42.65372903471597	42.65372903471597
710	4	2930	96998.8586730335	79437.3170250766	39.0560553414246	-004.4579794	373847.8431631371	423403.578023539	2770.07445151509	2702.806602	2653.081642936023	42.65372903471597	42.65372903471597
711	4	2931	97658.8586730335	79437.3170250766	39.056048725371994	-004.4556561	374048.8713738426	423403.622116778	2770.06920847191	2701.535791740652	2650.2955961667	41.2392321237944	41.2392321237944
712	4	2932	98318.8586730335	79437.3170250766	39.05604206272622	-004.453327	374249.8993901145	423403.666361006	2769.633625341316	2700.26989752596	2647.442818885573	41.64605921862724	41.64605921862724
713	4	2933	98978.8586730335	79437.3170250766	39.0560335520504	-004.4510393	374450.927225584	423403.717069815	2776.31757229562	2698.387780722826	2644.520305101234	42.65372903471597	42.65372903471597
714	4	2934	99638.8586730335	79437.3170250766	39.0560269806055	-004.448659	374651.951325566	423403.7631321	2774.9417039594	2697.710451	2643.94057046477	41.64605921862724	41.64605921862724
715	4	2935	100298.8586730335	79437.3170250766	39.05602180553672	-004.446326	374852.982224115	423403.806006499	2774.63263585433	2696.34056007267	2642.63026586257	41.78959370164	41.78959370164
716	4	2936	100958.8586730335	79437.3170250766	39.0560149336615	-004.4440392	375054.010490367	423403.844495467	2774.962423	2695.1482580131	2636.00501065257	42.65372903471597	42.65372903471597
717	4	2937	101618.8586730335	79437.3170250766	39.0560087636366	-004.4417158	375255.037387846	423403.890	2773.10154024057	2693.832563771016	2635.618708085165	42.65372903471597	42.65372903471597
718	4	2938	102278.8586730335	79437.3170250766	39.05600114445688	-004.439324	375456.0653	423403.93219694	2772.74057298162	2692.5765144326107	2632.814634296107	42.65372903471597	42.65372903471597
719	4	2939	102938.8586730335	79437.3170250766	39.0559941679283	-004.4370691	375657.0924736517	423403.979281	2770.7684502562	2691.285465846265	2630.230243278872	41.64605921862724	41.64605921862724
720	4	2940	103598.8586730335	79437.3170250766	39.05598714604515	-004.434745	375858.119600777	423403.96212929	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
721	4	2941	104258.8586730335	79437.3170250766	39.055980679797814	-004.4314821	376059.352659184	423403.94625952	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
722	4	2942	104918.8586730335	79437.3170250766	39.0559738812214	-004.429099	376260.1733743786	423403.91768361	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
723	4	2943	105578.8586730335	79437.3170250766	39.05596581	-004.4277556	376461.2001	423403.937102557	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
724	4	2944	106238.8586730335	79437.3170250766	39.0559581069883	-004.4254522	376662.2267143346	423403.95826623	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
725	4	2945	106898.8586730335	79437.3170250766	39.0559513646738	-004.4231288	376863.252047064	423403.92623398	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
726	4	2946	107558.8586730335	79437.3170250766	39.0559440737472	-004.420985	377064.2796762995	423403.90273638	2770.16164082574	2689.96287	2627.976563813295	42.65372903471597	42.65372903471597
727	4	2947	108218.8586730335	79437.3170250766	39.05593679797814	-004.418421	37						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	AtSthKgr.f	SatThBoth.f
55	3025	-328701.1413	796037.3170250766	39.05267872037465	-101.95665457	244154.2161888787	4326796.389	3773.0696380137267	3773.0696380137267	3773.1335236045607	3733.1614554824046	41.93670120916604	39.90817533122213	
66	5	3026	-328041.1413	796037.3170250766	39.05269053360596	-101.9542226	24435.56571739975	4326791.46454046	3778.4308384165387	42.76849104327568	40.3644104796595	40.3644104796595	40.3644104796595	
67	3027	-327811.1413	796037.3170250766	39.05268181468422	-101.9549688	245564.5139024808	4326797.585	3778.4308384165387	3778.4308384165387	3778.4308384165387	42.76849104327568	40.3644104796595	40.3644104796595	
68	3028	-327621.1413	796037.3170250766	39.0526854051458984	-101.9495764	244775.8625116816	4326798.20667467	3768.604152054048	3768.604152054048	3772.102936721813	37.62462796722985	41.93670120916604	39.90817533122213	
69	5	3029	-326061.1413	796037.3170250766	39.05267643086104	-101.9472533	244568.8107828252	4326797.142217785	3767.4942995634124	3767.4942995634124	3719.3739458281752	37.62462796722985	41.93670120916604	
70	3030	-325401.1413	796037.3170250766	39.05268039	-101.9443931	245159.9587960295	4326795.08124595	3766.384447	3766.384447	3766.384447	3716.76269166709	37.62462796722985	41.93670120916604	
72	5	3031	-324741.1413	796037.3170250766	39.0529240473989	-101.942607	245361.1066617077	4326791.9799898	3767.360701084403	3767.360701084403	3714.4216438042167	37.62462796722985	41.93670120916604	
73	5	3032	-324081.1413	796037.3170250766	39.0529424674674	-101.9402839	245562.2546724341	4326796.95908363	3770.423061598412	3770.423061598412	3712.3086828041596	37.62462796722985	41.93670120916604	
75	3033	-323481.1413	796037.3170250766	39.0529645693211	-101.9378968	245763.4103871744	4326797.585	3778.4308384165387	3778.4308384165387	3778.4308384165387	42.76849104327568	40.3644104796595	40.3644104796595	
74	5	3034	-322761.1413	796037.3170250766	39.05296952225084	-101.9356377	245654.5484371039	4326798.37785958	3772.102936721813	3772.102936721813	3708.990271762425	37.62462796722985	41.93670120916604	
75	5	3035	-322101.1413	796037.3170250766	39.0530085064876	-101.9333145	24565.69519147038	4326754.77791719	3776.841628323287	3770.102858176905	37.62462796722985	41.93670120916604	39.90817533122213	
76	5	3036	-321441.1413	796037.3170250766	39.05303032820501	-101.9309914	246366.84169427614	4326750.71761317	3774.66695920478	3776.906547548864	3704.46714997485	37.62462796722985	41.93670120916604	
77	5	3037	-320781.1413	796037.3170250766	39.05305216089385	-101.9286683	246567.98745653793	432674.6567	3772.39228006811	3765.7829055537	3700.54227901515	37.62462796722985	41.93670120916604	
78	5	3038	-320121.1413	796037.3170250766	39.05307394871518	-101.926351	246769.1339457668	432673.5797199836	3770.117620967305	3763.62483	3696.948683165486	3699.3260079749175	36.9924024852161	
79	5	3039	-319461.1413	796037.3170250766	39.0530891696902	-101.924022	246970.279694842	432673.825874832	3764.91422195527	3761.4885106616234	3694.447123	3691.7045006974917	36.9924024852161	
80	5	3040	-318801.1413	796037.3170250766	39.0531172975528	-101.921689	247171.425193095	432673.447700472	3766.776723	3691.240564558973	3690.09401408634	36.9924024852161	36.9924024852161	
82	5	3041	-318141.1413	796037.3170250766	39.05313904297382	-101.9193758	247372.5704004721	432673.41850813	3748.6410141428637	3748.6410141428637	3687.86707991236	36.9924024852161	36.9924024852161	
81	5	3042	-317481.1413	796037.3170250766	39.05316065132493	-101.9170526	247573.7154732984	432673.5052379655	3704.505305236666	3684.34974079645	3682.2914735329073	36.9924024852161	36.9924024852161	
83	5	3043	-316821.1413	796037.3170250766	39.05318221480489	-101.9147295	247774.8601849191	432672.30028516	3736.948915826061	3680.734378	3679.5370740341436	36.9924024852161	36.9924024852161	
84	5	3044	-316161.1413	796037.3170250766	39.053203733423835	-101.9124063	247976.00486189543	432671.241309465	3737.91718458946672	3737.91718458946672	3675.877724933957	36.9924024852161	36.9924024852161	
85	5	3045	-315501.1413	796037.3170250766	39.053225207711664	-101.9100832	248177.1489296027	432671.18257801	3738.947759687325	3738.947759687325	3672.282101230755	36.9924024852161	36.9924024852161	
86	5	3046	-314841.1413	796037.3170250766	39.0532466505189	-101.9077001	248378.2925265304	432670.71040518	3740.017700427986	3740.017700427986	3670.249147311527	36.9924024852161	36.9924024852161	
87	5	3047	-314181.1413	796037.3170250766	39.05326819890844	-101.905468	248576.29387379584	432670.585810813	3723.178476674225	3698.562838269707	3685.562838269707	36.9924024852161	36.9924024852161	
88	5	3048	-313521.1413	796037.3170250766	39.05328359200144	-101.9031138	248780.580177784	432670.027307703	3735.452468989192	3735.452468989192	3664.6129640133267	36.9924024852161	36.9924024852161	
89	5	3049	-312861.1413	796037.3170250766	39.0533106348449	-101.9007906	248881.7234237655	432669.943099373	3702.0541679554238	3732.0541679554238	3662.15155829992	36.9924024852161	36.9924024852161	
90	5	3050	-312201.1413	796037.3170250766	39.0533191928929	-101.8984675	249182.866429969	432669.81409072	3728.603862016736	3728.603862016736	3658.68902027319	36.9924024852161	36.9924024852161	
91	5	3051	-311541.1413	796037.3170250766	39.0533310743326	-101.8961443	249384.0901775963	432669.63467595	3726.207171733192	3726.207171733192	3655.890670194083	36.9924024852161	36.9924024852161	
92	5	3052	-310881.1413	796037.3170250766	39.05334276710559	-101.8938212	249585.1516818474	432669.76106461	3724.691824190371	3724.691824190371	3652.879321438274	36.9924024852161	36.9924024852161	
93	5	3053	-310221.1413	796037.3170250766	39.05336819890844	-101.891468	249786.29387379584	432669.585810813	3723.178476674225	3698.562838269707	3685.562838269707	36.9924024852161	36.9924024852161	
94	5	3054	-309561.1413	796037.3170250766	39.05341645145528	-101.8891749	249954.435674045	432669.61469187	3721.691121004748	3721.691121004748	3664.6129640133267	36.9924024852161	36.9924024852161	
95	5	3055	-308901.1413	796037.3170250766	39.05343747691389	-101.8868517	250188.5771064023	432669.760400037	3719.896758526985	3719.896758526985	3642.165652	36.9924024852161	36.9924024852161	
96	5	3056	-308241.1413	796037.3170250766	39.05345845713656	-101.8845286	250389.7192790267	432669.54479203	3717.883116892094	3717.883116892094	3638.150301769554	36.9924024852161	36.9924024852161	
97	5	3057	-307581.1413	796037.3170250766	39.0534793244517	-101.8822054	250590.860486578	432669.49076071	3715.869557931491	3715.869557931491	3633.9023425289622	36.9924024852161	36.9924024852161	
98	5	3058	-306921.1413	796037.3170250766	39.05350028290387	-101.8798823	250792.015029636	432669.43194044	3713.859989708874	3713.859989708874	3630.263009464235	36.9924024852161	36.9924024852161	
99	5	3059	-306261.1413	796037.3170250766	39.05352112850325	-101.8775591	250983.1422742519	432669.37776808	3713.832601352892	3713.832601352892	3625.780032019163	36.9924024852161	36.9924024852161	
100	5	3060	-305621.1413	796037.3170250766	39.05354193292976	-101.875238	251104.2828	432669.32154859	3712.79836077505	3712.79836077505	3620.161034222148	36.9924024852161	36.9924024852161	
101	5	3061	-304941.1413	796037.3170250766	39.053568626857904	-101.8729128	251395.42307705578	432669.26544792	3710.876228073936	3710.876228073936	3617.742101	36.9924024852161	36.9924024852161	
102	5	3062	-304281.1413	796037.3170250766	39.05358339607759	-101.8705896	251596.6310882556	432669.250972398	3710.873289256233	3710.873289256233	3614.440738412479	36.9924024852161	36.9924024852161	
103	5	3063	-303621.1413	796037.3170250766	39.05360046219881	-101.8682665	251797.7028944712	432669.19353754	3712.055605114756	3712.055605114756	3612.0830274815859	36.9924024852161	36.9924024852161	
104	5	3064	-302961.1413	796037.3170250766	39.0536246381496	-101.8659433	251998.8423420576	432669.08261006	3710.732645632467	3710.732645632467	3610.37654211641	36.9924024852161	36.9924024852161	
105	5	3065	-302301.1413	796037.3170250766	39.053645259835626	-101.8636201	252199.8817228397	432669.02485493	3712.01457835678	3712.01457835678	3608.99436987514	36.9924024852161	36.9924024852161	
106	5	3066	-301641.1413	796037.3170250766	39.05366579135117	-101.861297	252401.12077673525	432669.96716428	3708.968706140036	3708.968706140036	3607.67826	36.9924024852161	36.9924024852161	
107	5	3067	-300981.1413	796037.3170250766	39.05368625653605	-101.8589346	252609.829728515	432669.90588495	3708.99436987514	3708.99436987514	3607.67826	36.9924024852161	36.9924024852161	
108	5	3068	-300321.1413	796037.3170250766	39.05370771971629	-101.856506	252831.3891305147	432669.877633204	3712.928981017137	3712.928981017137	3603.92400496224	36.9924024852161	36.9924024852161	
109	5	3069	-299661.1413	796037.3170250766	39.05372711668583	-101.8542375	253004.53645126757	432669.82289183	3710.92306773509	3710.92306773509	3600.907570884207	36.9924024852161	36.9924024852161	
110	5	3070	-299001.1413	796037.3170250766	39.05374476872659	-101.8520043	253205.67519722	432669.78316688	3719.934254552397	3719.934254552397	3598.260419253087	36.9924024852161	36.9924024852161	
111	5	3071	-298341.1413	796037.3170250766	39.05377677588959	-101.8496811	253406.812343835	432669.73190755	3718.69877021366	3718.69877021366	3595.77673259724	36.9924024852161	36.9924024852161	
112	5	3072	-297681.1413	796037.3170250766	39.05378803820176	-101.847358	253607.9499239713	432669.65969027	3717.193294768198	3717.193294768198	3593.06871335658	36.9924024852161	36.9924024852161	
113	5	3073	-297021.1413	796037.3170250766	39.05380625653605	-101.8450346	253809.9872							

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.f	BRIElevBoth.f	SatHtLogs.f	SatHtBoth.f
19	5	3151	-245451.1413	795037.3170250766	39.05524697157937	-01.6632323	269497.0464657811	3426284.89910859	3488.738432497061	354.1526021035593	3387.8146056569904	3384.796979153784	66.33799644656892
192	5	3152	-244881.1413	795037.3170250766	39.055263344426054	-01.6615001	269688.1801665542877	3426280.851389896	3488.1616555642877	3450.91776935272	3386.854876843375	3382.117327123272	64.06296909186984
193	5	3153	-244221.1413	795037.3170250766	39.0552627207011	-01.6591768	269889.30161932628	3426282.763334968	3487.584679831545	3447.678961921482	3428.122266990518	3378.706679679287	63.95505546948483
194	5	3154	-243561.1413	795037.3170250766	39.0552685500904	-01.6568535	270014.01498842607	3426272.77669539	3487.008090967414	3404.432659052395	3390.501218148433	3374.2340932822026	63.90493063957149
195	5	3155	-242901.1413	795037.3170250766	39.055313307034721	-01.6545303	270301.5379	3426268.763227801	3482.575934226967	3441.189649051055	3377.17482773904	3371.692501924188	64.01216673
196	5	3156	-242241.1413	795037.3170250766	39.055323989	-01.652207	270502.656937125	3426264.69991687	3474.28835815277	3437.393173639917	3367.6408482158063	3361.9054243226267	63.70369404089793
197	5	3157	-241581.1413	795037.3170250766	39.05534634591455	-01.6498837	270703.7273378355	3426260.655781191	3466.0080371990575	3434.6848754169464	3367.0413116303019	3358.231880433613	64.01265911
198	5	3158	-240921.1413	795037.3170250766	39.05536273804238	-01.6475904	270904.890952752	3426256.518062938	3471.312885587	3431.4264591066487	3363.307245256784	3354.479139840303	68.11921654386288
199	5	3159	-240261.1413	795037.3170250766	39.0553799662149	-01.6452573	271106.0077062428	3426252.57987003	3468.2683398619477	3428.163238050518	3359.422266990518	3350.5365130202578	68.74110005
200	5	3160	-239601.1413	795037.3170250766	39.05539541	-01.6429139	271307.102490345	3426245.536533936	3473.6559310276862	3424.89524934075	3355.370526276154	3346.887533372854	68.52423235579152
201	5	3161	-238941.1413	795037.3170250766	39.05541167916166	-01.6405906	271508.241245678	3426244.496875188	3472.06342913042	3421.622337681609	3351.14156007392	3342.76270208085	78.99565740071525
202	5	3162	-238281.1413	795037.3170250766	39.05542790313575	-01.6382673	271709.3578232914	3426240.45760647	3416.4610833991623	3416.4610833991623	3346.7302698426083	3338.45056232937	69.73081351655401
203	5	3163	-237621.1413	795037.3170250766	39.0554402227275	-01.635944	271910.4738984596	3426236.481413681	3401.799941280161	3342.148267885597	3341.51728481795	3336.65165449160122	76.64821279836542
204	5	3164	-236961.1413	795037.3170250766	39.05546021464825	-01.6336208	272111.5899711203	3426232.379	3400.08005661423	3337.4333197133014	3329.754494546414	3328.72394142311965	80.1707151077968
205	5	3165	-236301.1413	795037.3170250766	39.05547631	-01.6312975	272312.705725457	3426228.36616437	3408.90190652681	3408.47792488208	3333.666137476256	3325.317516698051	83.1064828751714
206	5	3166	-235641.1413	795037.3170250766	39.055492350269044	-01.6289742	272513.8212589291	3426224.3011661143	3408.64301530941	3405.17902238432	3327.99038420884	3321.034853283134	71.18881810344773
207	5	3167	-234981.1413	795037.3170250766	39.0555034987343	-01.6265609	272714.9366	3426220.2634813925	3408.91677672546	3401.8763041175275	3323.62423941973	3317.035046564288	78.2520649835439
208	5	3168	-234321.1413	795037.3170250766	39.0555240460482	-01.6242376	272916.05164739164	3426216.1054739164	3410.316567732196	3398.569200256543	3320.383425343736	3312.935351571403	85.63375454
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR Elev.Logs.Kg.ft	BR Elev.Both.Kg.ft	SatThk.Logs.ft	SatThk.Both.ft
317	5	3277	-162381.1413	790537.3170250766	39.56994935603045	-101.3710841	294836.2944877385	4325777.039140179	3214.527430905912	3190.190526662635	3214.527430905912	3195.4179779469487	0	0
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363	5	3323	-132021.1413	790537.3170250766	39.5745476754492	-101.264208	304086.0327959603	4325592.28236879	3339.413066	3161.614052293184	3192.060699145096	3194.70844816704	0	0
364	5	3324	-131361.1413	790537.3170250766	39.57463371971166	-101.2618486	304287.3852396717	4325588.269800783	3338.3431212734013	3160.923827639913	3191.838053630483	3192.888030468193	0	0
365	5	3325	-130701.1413	790537.3170250766	39.5747265141388	-101.2598919	304488.46871758767	4325584.737947684	3337.273175437123	3160.276967079827	3191.448833725057	3194.031720012094	0	0
366	5	3326	-130041.1413	790537.3170250766	39.5748148903435	-101.2574718	304689.5503353114	4325580.245122862	3336.2016514174022	3159.530978114172	3189.07223478322	3193.323104107953	0	0
367														

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogs.kg.ft	BRIElevBoth.kg.ft	SatHtElev.kg.ft	SatHtBoth.ft
43	x	3403	-7922.14133	795037.3170250766	39.58082930869918	-01.0783338	20172.3154616199	4325271.7942961175	308.42676167978955	3083.76988215317	3019.2206675940624	64.7605586340664	64.17702242
444	x	3404	-7856.14133	795037.3170250766	39.58083467296496	-01.0767004	20373.3825305091	4325267.7948352289	3012.930010986257	3016.263111	3011.6111899359644	65.3671968318255	65.0348983118255
445	x	3405	-7841.14133	795037.3170250766	39.58083998233281	-01.0754228	20574.4508265259	4325263.803189278	3080.282451767907	3084.60173594042	3014.3834498909024	65.3674030817907	65.0348983118255
446	x	3406	-7741.14133	795037.3170250766	39.58084526686004	-01.0713635	20715.758296709	4325259.796404659	3198.478599	3078.7076207611894	3011.5352667163097	67.12796345	65.7502361685017
447	x	3407	-7658.14133	795037.3170250766	39.5808504665012395	-01.06904	20976.5856540429	4325255.7974340605	3077.1152172721153	3011.208095	3012.306171766556	66.69076268161521	64.8090400559477
448	x	3408	-7521.14133	795037.3170250766	39.5808561259724	-01.0667166	21177.1765454712	4325251.798628798	3195.346875948327	3075.508754794058	3008.8122377839754	66.6973769543033	65.708541249622
449	x	3409	-7526.14133	795037.3170250766	39.58086082114128	-01.0643391	212178.7195557009	4325247.79986701	3193.520718405307	3073.894153889684	3006.564019828163	66.7031406153532	65.49219637
450	x	3410	-7461.14133	795037.3170250766	39.58086591614593	-01.0620697	215179.78629051405	4325243.802	3191.69460779401	3072.26939845729	3005.977397803981	66.29200065	65.971678719349
451	x	3411	-7381.14133	795037.3170250766	39.5808706627373	-01.0597469	21780.8528953872	4325238.803189278	3074.538574827316	3074.60173594042	3004.861626285395	65.967175326963	65.7502361685017
452	x	3412	-7321.14133	795037.3170250766	39.58079751524618	-01.0574228	21981.9192355247	4325238.803189278	3183.647088782676	3068.982405184674	3003.384133438415	65.10740547005225	65.5271861180814
453	x	3413	-7221.14133	795037.3170250766	39.58080831888594	-01.0550993	22182.8854461307	4325231.807054494	3178.891646689646	3067.3544786327316	3002.442509170537	64.911888467116222	64.911888467116222
454	x	3414	-7196.14133	795037.3170250766	39.58080584739567	-01.0527759	22284.0514824083	4325227.809203628	3174.135684386255	3065.7069672994508	3001.552818790264	63.87848308929636	64.15144851
455	x	3415	-7101.14133	795037.3170250766	39.58080071801581	-01.0504524	22285.1173456284	4325223.812	3169.566014786615	3064.05601352739	3002.3481770253516	63.70934242738752	62.03131747918477
456	x	3416	-7041.14133	795037.3170250766	39.5808054375902	-01.048129	22276.183037967	4325219.814073862	3168.702879006434	3062.401809671313	3001.841471795811	63.56033807132053	61.2602271386812
457	x	3417	-6986.14133	795037.3170250766	39.58081032462531	-01.0458959	22267.2485473211	4325215.816748047	3166.795544343334	3060.75115530286	3000.298164480373	64.04895556789276	59.9879846072176
458	x	3418	-6932.14133	795037.3170250766	39.58105016061462	-01.0434821	22188.313888333	4325211.819871664	3156.416280786228	3059.087174503435	3002.235971950985	57.3690025309216	56.8471805541703
459	x	3419	-6866.14133	795037.3170250766	39.5810975172929	-01.0411586	22389.3971558989	4325207.82264018	3155.64185818675	3057.42753085108	3000.87696663666	57.30718485411	56.1203459973719
460	x	3420	-6801.14133	795037.3170250766	39.5811439796467	-01.0388352	22390.4415059325	4325203.826	3158.476276452055	3055.768042872384	3000.960460217014	55.8963107022427	55.46936406640726
461	x	3421	-6741.14133	795037.3170250766	39.5811899932307	-01.0365117	223791.50897230115	4325198.0433551	3151.0169490382	3054.109602655848	2998.96251929297	55.147083326281	54.98709866
462	x	3422	-6681.14133	795037.3170250766	39.581235580447	-01.0341883	22392.5732613169	4325184.38287225	3144.145113251575	3052.45739065412	2997.858908292777	54.698491424312	54.3643961162296
463	x	3423	-6621.14133	795037.3170250766	39.58128607488984	-01.0318468	22393.638978448	4325191.836	3146.648707113937	3050.87402805874	2996.745594958794	54.96116309207972	53.891806801675
464	x	3424	-6561.14133	795037.3170250766	39.5813205	-01.029414	22434.702402089	4325177.83959841	3162.871476400263	3049.16795	2995.54074931815	53.8165497471846	53.4692641675486
465	x	3425	-6501.14133	795037.3170250766	39.5813656237967	-01.02719	22495.7665342523	4325163.8439279	3158.244832487594	3047.30424861413813	2994.3071784615192	53.8165497471846	53.4692641675486
466	x	3426	-6401.14133	795037.3170250766	39.58141332606047	-01.024845	22476.83049454214	4325178.84105267	3158.167015153054	3045.920197100984	2993.07687502704	53.9125095827954	52.75092180661349
467	x	3427	-6381.14133	795037.3170250766	39.581459655643	-01.022571	22497.8942831607	4325175.85403207	3155.379523520373	3044.31264183154	2991.669137582224	52.6430024931054	52.5252467425746
468	x	3428	-6271.14133	795037.3170250766	39.5814995227574	-01.0202476	22519.8579030127	4325171.8567436	3149.617197943146	3042.7156897038913	2990.47324688053	52.426222329846	52.1005666799616
469	x	3429	-6201.14133	795037.3170250766	39.5815419461801	-01.0179241	22540.0213460233	4325167.86150593	3144.88406340258	3041.129830514384	2988.753060354565	52.5147716981865	52.14788994914
470	x	3430	-6140.14133	795037.3170250766	39.58158392036325	-01.0156007	22561.0846210367	4325163.86	3138.136324750167	3039.554441957141	2987.319659724526	52.24728222	52.27723214078
471	x	3431	-6081.14133	795037.3170250766	39.5816254467142	-01.0132714	22582.1477259152	4325157.1256913	3132.79718518343	3037.869568422912	2986.483351832495	51.9744993138691	51.9744993138691
472	x	3432	-6001.14133	795037.3170250766	39.5816665237967	-01.0109578	22595.7665342523	4325157.8737565	3125.84418533648	3035.76327594947	2986.6969289594	50.2477851379724	49.7387482176267
473	x	3433	-5942.14133	795037.3170250766	39.581707515216534	-01.0086303	226204.2742123253	4325151.86110614	3118.589122123254	3034.893250226807	2984.3823736776	50.8935764924457	50.0931925646002
474	x	3434	-5876.14133	795037.3170250766	39.5817473317347	-01.0063069	22634.360138789	4325147.88710775	3119.91984239738	3033.36092470925	2982.236614307383	51.12647816354229	50.6086471898967
475	x	3435	-5810.14133	795037.3170250766	39.5817826523315	-01.003834	22666.3984364881	4325149.892720031	3106.629150207369	3031.845305208543	2980.08130844813	51.7642671540172	51.194802762178824
476	x	3436	-5744.14133	795037.3170250766	39.5818263445607	-01.001616	22697.460689269	4325139.89847701	3102.717086	3030.339870736213	2976.6529	51.36889710779203	50.232498031772
477	x	3437	-5678.14133	795037.3170250766	39.5818617787171	-00.999358	22708.5227241597	4325135.90433002	3098.805021287716	3028.846834711957	2968.258785	50.9670071807608	49.88850559
478	x	3438	-5612.14133	795037.3170250766	39.5819025449616	-00.997011	22729.58468167	4325131.91534398	3094.902567220734	3027.365314143984	2967.308122774793	50.816571934	49.7387482176267
479	x	3439	-5546.14133	795037.3170250766	39.5819414890165	-00.994889	22740.614630567	4325127.17679892	3092.33687475565	3025.8898	2967.098843107653	50.697260546204	49.7387482176267
480	x	3440	-5480.14133	795037.3170250766	39.5819789849595	-00.9923661	22761.708	4325123.93228478	3091.286253454848	3024.444008994214	2972.183642062317	50.7270604751952	50.250361891898
481	x	3441	-5414.14133	795037.3170250766	39.582016023131	-00.9900427	22781.7694128413	4325119.829820544	3090.185775932027	3023.00768075256	2971.2199540231254	50.7813220640023	45.8371133364334
482	x	3442	-5348.14133	795037.3170250766	39.58205261253141	-00.9877192	228013.8306509222	4325115.93657047	3089.085317	3021.57648560244	2981.7924805421996	49.7387482176267	39.7300501
483	x	3443	-5281.14133	795037.3170250766	39.5820897531996	-00.9853598	228214.897260427	4325111.943494979	3087.32806984217	3020.16487	2985.73913198396	50.232498031772	39.7300501
484	x	3444	-5216.14133	795037.3170250766	39.5821244451685	-00.9830723	228415.962220814	4325107.361	3082.109682401414	3018.769744948277	2984.84049688171	50.232498031772	39.7300501
485	x	3445	-5150.14133	795037.3170250766	39.5821625449616	-00.980781	22861.9103356212	4325103.3281212	3080.583131986807	3017.583131986807	2983.85749445757	50.232498031772	39.7300501
486	x	3446	-5084.14133	795037.3170250766	39.58219414890165	-00.9784254	228815.9732128184	4325099.965	3086.874143069953	3016.025995100923	2982.2634471167174	50.232498031772	39.7300501
487	x	3447	-5018.14133	795037.3170250766	39.5822288279581	-00.976102	229019.1313194014	4325095.973	3097.56438232557	3014.678954717789	2992.515986683843	50.232498031772	39.7300501
488	x	3448	-4952.14133	795037.3170250766	39.5822672472844	-00.9737785	22922.1495501412	4325091.981	3096.56223413523	3013.34776031292	2992.3171789208272	50.232498031772	39.7300501
489	x	3449	-4886.14133	795037.3170250766	39.5822961727269	-00.971455	22941.2546137076	4325087.98440191	3095.50959554309	3012.03519788506	2991.691596209815	50.232498031772	39.7300501
490	x	3450	-4820.14133	795037.3170250766	39.5823291719534	-00.9691316	22962.314130005	4325083.96950216	3094.56785952445	3010.729342	2990.516274070125	50.232498031772	39.7300501
491	x	3451	-4754.14133	795037.3170250766	39.582362172240775	-00.9668981	22982.374201136	4325080.04729807	3093.583131986807	3009.44077837376	2988.87175546978	50.232498031772	39.7300501
492	x	3452	-4688.14133	795037.3170250766	39.582393240904	-00.9644487	230024.433903793	4325076.01314598	3092.6355932073	3008.16422019392	2987.47505482904	50.232498031772	39.7300501
493	x	3453	-4622.14133	795037.317025									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfBothKrg.ft	SurfBoth2.ft
568	5	3529	3938.8586730733514	7905037.3170250766	-00.58835179876568	-00.785578	455905.5363	4234769.14901291	2989.603454734729	2687.961553647854	2868.619915938653	2687.9802262695487	19.3416379232535	19.9813132323667
570	5	3530	4598.858673073351	7905037.3170250766	-00.58835150849997	-00.783246	34576.5835479006	4234767.170118781	2987.712192997313	2686.297166487314	2864.047068245573	26.25009642269296	32.05492048188655	
571	5	3531	5258.858673073351	7905037.3170250766	-00.58835117	-00.780911	46797.630964146	4234767.322414093	2984.562981925443	2684.124364677417	2858.72719803485	24.8299229897174	25.899452596456574	
572	5	3532	5918.858673073351	7905037.3170250766	-00.58835073333624	-00.780076	35237.77601834	4234757.72185835	2983.374199646676	2685.82011462884	2854.617114265704	27.11328948312084	28.37105648125612	
573	5	3533	6578.858673073351	7905037.3170250766	-00.58835036843825	-00.7762842	346309.2424899414	4234753.23412516	2980.33423311534	2681.235277315902	2852.220783	28.806603629719	29.14042421639195	31.3849193686182825
574	5	3534	7238.858673073351	7905037.3170250766	-00.588349866624	-00.7739607	346510.7706496749	4234754.25611622	2978.321890505457	2679.524222811174	2849.368675015674	28.4840.07145143524	30.1561472504435	31.4841072654435
575	5	3535	7988.858673073351	7905037.3170250766	-00.588349384010015	-00.7716372	346711.8170033795	4234754.278088393	2976.571073375353	2678.0005818355316	2845.422351512407	30.80229335152407	32.38062425004945	
576	5	3536	8558.858673073351	7905037.3170250766	-00.58834842479765	-00.7693138	346912.8636017034	4234741.30170323	2974.67045536305	2676.06932953805	2843.14463622071	28.47439333373376	32.628727608974	
577	5	3537	9118.858673073351	7905037.3170250766	-00.58834622007211	-00.766983	3471.1359470796	4234737.322414093	2974.360371271514	2674.34459744887	2843.669925153263	30.75502326869973	32.8694631743194	
578	5	3538	9678.858673073351	7905037.3170250766	-00.5883457078107	-00.764669	3473.136575262	423473.35	2973.25397039394	2672.569342228104	2841.335101618995	30.6339518693004	31.234204025457	33.1788230537799
579	5	3539	10538.858673073351	7905037.3170250766	-00.588346624555	-00.7623434	347516.00161185383	4234729.3673919765	2971.239303896373	2670.805167186127	2838.43196514027	28.36732627209016	34.7314679739134	
580	5	3540	11188.858673073351	7905037.3170250766	-00.58834613758462	-00.7600199	347717.0427177609	4234725.3901244495	2968.3171812232935	2669.035621270715	2836.372232336058	28.3189767280259	32.66123879	35.1364748481629
581	5	3541	11858.858673073351	7905037.3170250766	-00.5883453366732	-00.7578965	347918.0289529124	423471.014193643	2965.395062	2667.2567997138317	2834.2592405744731	28.36925854651095	32.597588959115395	35.56423824872218
582	5	3542	12518.858673073351	7905037.3170250766	-00.58834524872595	-00.755373	348119.138264784	4234717.4699274	2962.4724931878007	2665.707399874205	2833.068220432314	28.31471179441189	34.4840510792277	
583	5	3543	13178.858673073351	7905037.3170250766	-00.5883456120045	-00.7530498	348210.848603264	4234713.45957328	2959.276697233644	2663.70174374741	2830.975369086845	28.2887138452439	32.7280530885671	34.84403593203228
584	5	3544	13838.858673073351	7905037.3170250766	-00.5883427265092	-00.7507761	348521.22869509	4234709.4828044	2955.802158186836	2661.3819112506123	2831.597464826373	28.292357625677	32.57812903416216	
585	5	3545	14498.858673073351	7905037.3170250766	-00.58834178922368	-00.7484026	348722.2736577	4234705.562528905	2952.330813997392	2660.176700540977	2829.64165590927	28.2734397429708	30.5296349535446	32.8327240978988
586	5	3546	15158.858673073351	7905037.3170250766	-00.58834079011961	-00.7460791	348923.3184444064	4234701.529933031	2948.85361131382	2658.42997574228	2827.408375872296	28.24291.813719079	31.04361908909273	33.5288585814888
587	5	3547	15818.858673073351	7905037.3170250766	-00.5883390773786	-00.7437557	349124.3631159521	4234693.553804354	2945.326836820693	2656.738339186553	2825.76666397598	28.23225011528438	30.9716728895447	33.5133276581103
588	5	3548	16478.858673073351	7905037.3170250766	-00.5883380967816	-00.7414322	349325.4077404875	4234687.578	2941.74162474013	2654.664163215615	2824.4246973874317	28.21466461328232	30.84186330412933	33.4194323323036
589	5	3549	17138.858673073351	7905037.3170250766	-00.5883374667145	-00.7391087	349526.5421183327	4234680.62031425	2938.154593112124	2653.400346424275	2819.967485087484	28.19653649584610	33.62681813368287	36.4649807
590	5	3550	17798.858673073351	7905037.3170250766	-00.58833627869284	-00.7367863	349727.4963494776	4234675.626	2934.56471771251	2651.3565974401	2816.3645052073946	28.15743224448905	34.2704723750356	36.36372695163434
591	5	3551	18458.858673073351	7905037.3170250766	-00.5883350626245	-00.7344616	349920.54043201	4234671.5808771034	2932.619887761034	2649.30887781034	2813.638872296922	28.13211378321296	33.2811378321296	
592	5	3552	19118.858673073351	7905037.3170250766	-00.5883337866749	-00.7321384	350129.5837462326	4234673.7659374	2925.052705653977	2648.84788779597	2813.033200421584	28.1213516706235	33.106838352412	36.31322780176715
593	5	3553	19778.858673073351	7905037.3170250766	-00.5883324622134	-00.7298149	350330.6281663748	4234670.70439553	2918.824673206656	2647.4656576013	2813.132351384936	28.1104219194281	33.430195726615	37.04962723591234
594	5	3554	20438.858673073351	7905037.3170250766	-00.58833107889782	-00.7274914	350531.67181356443	4234669.72547669	2916.8743693533	2646.119735661346	2810.97498464025	28.08643287909781	35.1447506732167	37.47644767062804
595	5	3555	21098.858673073351	7905037.3170250766	-00.58832967	-00.725168	350732.7153123245	4234665.750818768	2914.806380140804	2644.788837691965	2808.731788225016	28.06509749091794	33.7880986440334	38.09886640421
596	5	3556	21758.858673073351	7905037.3170250766	-00.5883282091862	-00.7228445	350933.75887158826	4234661.7756197	2912.0673079673702	2643.45465810026	2806.344493284826	28.04237930741312	37.11097225543434	39.21734768713904
597	5	3557	22418.858673073351	7905037.3170250766	-00.58832677869284	-00.7205813	351134.88019	4234657.801447753	2909.26875973726	2642.114312911525	2803.893368389147	28.00180128518972	36.228766567160174	38.45181253331296
598	5	3558	23078.858673073351	7905037.3170250766	-00.5883251692992	-00.7181782	351355.42710002	4234652.10710002	2898.46210074628	2640.7840	2800.13111453814	27.98.0443005773805	34.699405103491	
599	5	3559	23738.858673073351	7905037.3170250766	-00.58832356911948	-00.7158741	351536.887808324	4234649.85262078	2894.88173625854	2639.4029561890356	2798.41619052977	27.97647582518635	40.9816556003592	42.9353734717213
600	5	3560	24398.858673073351	7905037.3170250766	-00.5883219	-00.7135506	351737.9306479305	4234648.87809969	2893.573786520604	2638.02466100083	2797.10310958732	27.95.20975927432	42.81402532367246	
601	5	3561	25058.858673073351	7905037.3170250766	-00.5883205106655	-00.7112272	351938.9732807813	4234641.90505445	2884.186838013535	2636.62459857344	2796.743500078848	27.94.896147828825	42.6883958782664	43.7131212852195
602	5	3562	25718.858673073351	7905037.3170250766	-00.58831852744004	-00.7089037	352140.10769053	4234633.9136317	2883.839038705014	2634.18019576034	2797.524735365336	27.9368005972916	43.059887228407206	
603	5	3563	26378.858673073351	7905037.3170250766	-00.5883167530014	-00.7068903	352341.0851143991	4234635.938837887	2882.421998120255	2633.731985410747	2796.73186248017	27.908.0054434386	43.3670276594	35.7667427242794
604	5	3564	27038.858673073351	7905037.3170250766	-00.58831493740093	-00.7047616	352542.100155682	4234629.84466874	2880.26582494865	2632.33205395145	2792.47057277026	27.87.017387323591	43.6446387269994	
605	5	3565	27698.858673073351	7905037.3170250766	-00.58831307643234	-00.7028333	352743.1424	4234623.011262171	2878.448922586824	2630.83775171965	2790.35820233894	27.89.15641460673	43.930272	37.68511397199284
606	5	3566	28358.858673073351	7905037.3170250766	-00.588311705041	-00.699909	352944.184287266	4234622.03219871	2876.52585367258	2629.335987419133	2796.245352068394	27.89.10565302042	43.9132657633394	39.2324721871147
607	5	3567	29018.858673073351	7905037.3170250766	-00.68972864	-00.6972864	353145.226059031	4234618.06533962	2889.80857312324	2627.8188228282	2796.247164172214	27.86.095248	43.915203811601878	31.7237927828311
608	5	3568	29678.858673073351	7905037.3170250766	-00.6896429	-00.6949629	353346.267897554	4234614.093	2883.18572403466	2626.27891349103	2793.548418213043	27.84.368172827164	43.70277152478811	32.700747652193002
609	5	3569	30338.858673073351	7905037.3170250766	-00.68953051837605	-00.6926395	353547.3901734373	4234610.12006793	2886.353908705014	2624.719870238367	2790.241725948006	27.80.029420743466	44.14872749732175	34.6904948
610	5	3570	30998.858673073351	7905037.3170250766	-00.6893616	-00.690316	353745.305162487	4234606.1476514	2886.940586824	2623.146555111225	2790.00935257434	27.86.8193290781	44.13846175436902	36.32636172133147
611	5	3571	31658.858673073351	7905037.3170250766	-00.6891924	-00.6877816	353940.378915376	4234602.94444088	2884.9287849856	2621.93581937778	2788.79185920964	27.83.2879185920964	44.128237445716	
612	5	3572	32318.858673073351	7905037.3170250766	-00.6890267304465	-00.685661	354150.4327704087	4234598.203760175	2900.222874253898	2620.19173876571	2787.121442652	27.80.052129528975	44.1201721701435	
613	5	3573	32978.858673073351	7905037.3170250766	-00.68882657305137	-00.6833456	354351.4736942097	4234594.231470288	2898.28677056737	2618.3796942852146	2773.252960963574	27.77280561687667	44.12673518887205	4

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevLogKrg.	BRIElevBotKrg.	SatThLog.s	SatThBotH.
695	3	3655	87098.85867307335	796037	3170250766	-00.59798181662588	-100.4928225	70836.36587496276	4324269.098815297	2791.845191057667	2712.1200934275876	2682.3027741396245	38.66449320529773
696	5	3656	87078.85867307335	796037	3170250766	-00.59755871857294	-100.4904891	70837.3957311199	4324265.12853492	2788.802360506881	2719.896815511702	2678.914964020275	40.33044514888114
697	5	3657	87078.85867307335	796037	3170250766	-00.59748817283	-100.4881767	70837.232842465891	4324261.710032932	2788.767078156905	2677.918303760823	2677.918303760823	40.9008442396735
698	5	3658	87078.85867307335	796037	3170250766	-00.597543847630085	-100.4855522	71439.45506995171	4324257.211914686	2782.718508706394	2717.441431024813	2675.316025017607	2675.316025017607
699	5	3659	87078.85867307335	796037	3170250766	-00.59793776821149	-100.4835288	71640.48455227225	4324253.25393767	2780.542960375945	2719.26055666797	2673.4912278345646	42.181631490530264
700	5	3660	87078.85867307335	796037	3170250766	-00.597931643916255	-100.4812054	71841.51391095	4324249.26122227	2779.234151717025	2714.5740744883143	2671.3013845014715	43.932784079807985
701	5	3661	91058.85867307335	796037	3170250766	-00.59792504744337	-100.4788819	73202.64315464477	4324245.338468352	2777.9253197717137	2713.75822480003	2669.668067054096	42.8248171587703
702	5	3662	91718.85867307335	796037	3170250766	-00.597191926	-100.4765585	73243.5725267254	4324241.38097063	2776.6164297717137	2712.494313	2668.622596	43.389774674141504
703	5	3663	92378.85867307335	796037	3170250766	-00.59767919	-100.474235	73444.60122467817	4324237.42365283	2771.249203947176	2697.38763004783	2666.855191753263	42.39418392422556
704	5	3664	93038.85867307335	796037	3170250766	-00.59706997969074	-100.4719116	73245.610809623	4324233.466	2770.00044531294	2693.845487038403	2665.801519142242	44.99229339652129
705	5	3665	93698.85867307335	796037	3170250766	-00.597500349200755	-100.4695882	73246.6588499465	4324229.509	2776.4400292	2708.7499662017	2664.2157890587896	45.63122756727744
706	5	3666	94358.85867307335	796037	3170250766	-00.59789365735006	-100.4672467	73704.67486443781	4324225.553	2776.631757212853	2707.491816784264	2661.654043390185	46.1716066706978
707	5	3667	95018.85867307335	796037	3170250766	-00.59788571320449	-100.4649413	73748.71596442387	4324221.595837564	2777.611317041249	2706.2318761437746	2659.251564244304	48.45291350109428
708	5	3668	95678.85867307335	796037	3170250766	-00.597881033996495	-100.4626179	73749.744373475917	4324217.639441421	2779.378111212857	2704.9681114304526	2657.00476054934	49.45136356
709	5	3669	96338.85867307335	796037	3170250766	-00.59787450581196	-100.4602294	73750.7368	4324213.68352774	2778.14717052454647	2703.70052069085	2654.435423908973	50.8777529
710	5	3670	96998.85867307335	796037	3170250766	-00.597867932750916	-100.457971	73851.80071778403	4324209.726825819	2782.9158983619726	2702.431031981301	2651.7204612801313	52.37767091106196
711	5	3671	97658.85867307335	796037	3170250766	-00.59786131481336	-100.4556476	74052.8278250285	4324205.710836341	2783.4788961320946	2701.1601299320723	2648.2129097736606	52.9473015841171
712	5	3672	98318.85867307335	796037	3170250766	-00.5978545651999286	-100.4532241	74253.8566106465	4324201.81473763	2786.8866	2699.8874893138764	2645.200544340133	54.657496961
713	5	3673	99878.85867307335	796037	3170250766	-00.59784794340871	-100.4510007	74454.884348427	4324197.859220984	2782.19449473566	2698.61258924516	2642.139076339491	58.23314619347366
714	5	3674	99638.85867307335	796037	3170250766	-00.59784119174167	-100.4486773	74655.912071781837	4324193.904	2781.5522944302	2697.3540783508	2638.94620801393	60.0533921544919
715	5	3675	100298.85867307335	796037	3170250766	-00.597834324298204	-100.4463538	74856.9383977886	4324194.482723842	2780.12046577982	2696.059377002264	2636.031737896759	61.38123465135368
716	5	3676	100598.85867307335	796037	3170250766	-00.58762751974804	-100.4440304	75057.967040607	4324185.93004495	2782.158009103605	2694.740559067	2632.73866709722	62.0344779723214
717	5	3677	101198.85867307335	796037	3170250766	-00.58772704747511	-100.4415024	75277.2308914616	4324182.61839942	2782.045197128243	2691.84947052123	2631.4945495797119	63.120589340337
718	5	3678	10278.85867307335	796037	3170250766	-00.597813730275557	-100.439335	75460.02148154384	4324178.083	2774.086957548507	2692.02355629171	2628.018753420404	64.97265214
719	5	3679	102938.85867307335	796037	3170250766	-00.5977965755632	-100.4370601	75561.0485214869	4324172.13214721	2771.386068589	2690.9125473419385	2625.110955341462	66.430354585347
720	5	3680	103598.85867307335	796037	3170250766	-00.5977992330665	-100.4347367	75682.074541439	4324170.71728951	2768.07247173397	2688.020172741627	2622.626617682428	67.4357952601847
721	5	3681	104258.85867307335	796037	3170250766	-00.5977962722864	-100.4324132	76063.10224159295	4324166.219035472	2764.668875083791	2688.325119914741	2620.7393418106104	69.172795290869
722	5	3682	104518.85867307335	796037	3170250766	-00.5977855565022	-100.4300988	76264.1289221667	4324162.265	2761.310278150246	2687.027457338676	2619.563984947036	71.4633840497302
723	5	3683	105578.85867307335	796037	3170250766	-00.597778399196548	-100.4277654	76365.1528953663	4324158.81399492	2765.257583122242	2685.7258368170286	2618.569388951	73.6265769231284
724	5	3684	105238.85867307335	796037	3170250766	-00.59777120451784	-100.425443	76458.181925385	4324154.35999671	2764.00577805737	2684.4015788523	2617.8550228074374	74.711716882755
725	5	3685	106988.85867307335	796037	3170250766	-00.5977536165688	-100.4231195	767687.2087	4324150.40320759	2763.1557667772	2683.078117033923	2619.76552	76.3222693039576
726	5	3686	107558.85867307335	796037	3170250766	-00.59775660573105	-100.4207961	77068.2345257754	4324146.4960318	2762.16527614793	2681.73847071028	2620.1186154327393	78.617778303913164
727	5	3687	108218.85867307335	796037	3170250766	-00.59774932461304	-100.4184727	77269.260363824	4324142.49146955	2761.295325618545	2680.387235765505	2620.083318343098	80.303971421697406
728	5	3688	108758.85867307335	796037	3170250766	-00.59774194377664	-100.4161492	77470.2860576234	4324138.52825024	2760.544602788427	2679.420363540946	2619.29658496058	82.57703213636776
729	5	3689	109598.85867307335	796037	3170250766	-00.59773452	-100.4138258	77671.312548137	4324134.59	2761.759898389	2677.648904628343	2617.31880377	84.6118425015674
730	5	3690	110198.85867307335	796037	3170250766	-00.59772704747511	-100.4115024	77877.2308914616	4324132.61839942	2762.045197128243	2691.84947052123	2631.4945495797119	85.120589340337
731	5	3691	110588.85867307335	796037	3170250766	-00.59771952039095	-100.409179	78073.3678963316	4324126.86395183	2771.1650883915	2674.86536297117	2625.38730300092	87.45162461138637
732	5	3692	111518.85867307335	796037	3170250766	-00.59771197166854	-100.406855	78274.3891955474	4324122.71285487	2762.159678	2673.4553140781572	2633.875083305264	89.3802302476308
733	5	3693	112178.85867307335	796037	3170250766	-00.5977043645901	-100.4045321	78475.41547414	4324117.7870971	2761.73847071028	2670.1186154327393	2619.76552	91.617778303913164
734	5	3694	112838.85867307335	796037	3170250766	-00.597696716357064	-100.402287	78676.438635369	4324114.82649953	2762.148855	2670.589805814166	2639.5847370177244	93.01421739662725
735	5	3695	113498.85867307335	796037	3170250766	-00.597689023870506	-100.399889	78787.4648017316	4324110.340048	2763.273243459793	2669.15222099494	2639.4011059551867	95.2712305
736	5	3696	114158.85867307335	796037	3170250766	-00.5976812114086	-100.397516	79078.4900779793	4324106.932	2761.6058737681	2667.693209087476	2633.366495818264	97.3684905787857
737	5	3697	114588.85867307335	796037	3170250766	-00.5976734819896	-100.395215	79289.5148192588	4324102.945638	2762.045197128243	2691.84947052123	2631.4945495797119	99.120589340337
738	5	3698	114758.85867307335	796037	3170250766	-00.59766567215996	-100.392915	79407.9373421847	4324107.873992	2762.515728127526	2664.7078282764	2632.39718966317	101.38875117445658
739	5	3699	116138.85867307335	796037	3170250766	-00.59765779274531	-100.3905916	79681.564390365	4324095.067	2761.5800274271883	2662.36569043027	2629.682785166342	103.6826359847
740	5	3700	116768.85867307335	796037	3170250766	-00.59764873394546	-100.3882582	79853.73934546	4324091.5189326	2761.6625745835	2661.773586496274	2627.77373137265	105.340894024
1	6	3701	-370941.1413	79697	3170250766	-00.597637103016727	-102.1052542	31284.2021651715	4322756.82175625	407.17718161502	3890.262432456432	3907.5950846138697	0
2	6	3702	-370281.1413	79697	3170250766	-00.597631628430985	-102.1029311	321485.3865706163	4322752.903848106	4607.880483429583	3909.5957623116624	3903.7902590770709	0
3	6	3703	-369821.1413	79697	3170250766	-00.59762518782942	-102.100688	321686.550929583	4322750.638687776	4608.783308851327	3907.6384215702243	3906.9675217615351	0
4	6	3704	-369691.1413	79697	3170250766	-00.5976192895248	-102.098248	321887.7158811365	4322744.76194562	46151595197159	3896.1968978701516	3904.69309	0
5	6	3705	-368301.1413	79697	3170250766	-00.597617795403126	-102.0959169	322088.8865718815	4322740.9168456	4043.03806389059	3884.766859207875	3901.1988871860926	3988.20910898823
6	6	3706	-367641.1413	79697	3170250766	-00.597612029782333	-102.093638	322290.0502722656	4322736.619709455	4034.1604			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtBothKrg.ft	SurfBothKrg.ft
81	6	3781	-318141.1413	796697.3170250766	30.55495151316059	-101.9194038	247376.6316903473	4236931.6835511895	3755.1463271671364	3755.1463271671364	3690.7396161351157	3689.827131159314	364.067110320267	65.31901400782226
82	6	3782	-317481.1413	796697.3170250766	30.55497312205721	-101.9170083	247577.7799413137	4236927.64073007	3745.0361876027898	3745.0361876027898	3697.362070148692	3686.3328704262663	57.67411795	58.70331738
83	6	3783	-316281.1413	796697.3170250766	30.55494966089502	-101.9147231	247778.92466874726	4236923.564761422	3741.9801238522097	3741.9801238522097	3681.923224128441	3680.923224128441	59.15863304343676	59.15863304343676
84	6	3784	-316161.1413	796697.3170250766	30.555016205243666	-101.9124339	247980.0680335677	4236919.5056164209	3745.978132153966	3745.978132153966	3680.506860609577	3679.267668578275	66.4694621643888	66.4694621643888
85	6	3785	-315501.1413	796697.3170250766	30.555037679534024	-101.9101107	248181.21296816464	4236915.486362023	3749.974171775834	3749.974171775834	3687.186288215992	3675.80762114409	71.6524033480916	73.0316656636210
86	6	3786	-314841.1413	796697.3170250766	30.55509108955135	-101.9077875	248382.35679337586	4236911.387261931	3753.9741512417704	3746.60462354437	3674.044720732832	3672.40390631181	74.1695506434393	74.1695506434393
87	6	3787	-314181.1413	796697.3170250766	30.555080489350729	-101.9054643	248583.5003691966	4236907.32918037	3743.963612291947	3744.3988246014813	3670.753710432628	3669.07604252571	73.59617204	75.2738421296049
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90	6	3790	-312201.1413	796697.3170250766	30.55514477949375	-101.8994847	249186.9296201556	4236895.15244251	3737.279527678103	3737.279527678103	3661.15750920415	3659.549740007176	76.60564771778	77.7310143346259
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123	6	3823	-290421.1413	796697.3170250766	30.55582064379168	-101.8218716	255824.3962949642	4236761.30929237	3705.3717888	3657.4717888	3573.46970210932	3573.46970210932	96.014912286481	94.68066722471548
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125	6	3825	-289101.1413	796697.3170250766	30.55586058819521	-101.8171818	256226.7735790318	4236753.22401812	3702.47312287844	3650.540273369374	3575.913577390517	3575.913577390517		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThLogs.ft	SatThBoth.ft		
207	6	3907	-234981.1413	796697.3170250766	30.05732087989896	-101.626674.71	272718.9796	4326421.49903615	3392.063889048246	3392.063889048246	3322.0289461518514	3316.887891707567	70.04330432339481	75.1759897667905		
208	6	3908	-234321.1413	796697.3170250766	30.05733684	-101.624381	272920.0945331383	4326417.46046729	3393.527017124451	3393.527017124451	3317.7350050394064	3312.9182884717	70.9201653396467	80.60872864		
209	6	3909	-233661.1413	796697.3170250766	30.057352743585364	-101.622047	273121.2092180345	4326314.322120666	3394.9891532846663	3394.9891532846663	3309.313821186256	3304.3821186256	79.94268915220578	85.67822136834845		
210	6	3910	-233001.1413	796697.3170250766	30.0573861067313	-101.6191074	273322.3236807319	432635.43289046139	3396.453289046139	3396.453289046139	3307.3244661396899	3307.3244661396899	79.920382080611	84.6372416555547		
211	6	3911	-232341.1413	796697.3170250766	30.0573844118757	-101.617378	273523.4379181017	4326405.345687682	3394.046993167407	3388.844458	3312.47270412331047	3306.980062260286	76.3742711	82.24865618272406		
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213	6	3913	-231021.1413	796697.3170250766	30.057415937595446	-101.6127313	273925.6652754885	4326370.220772514	3381.48066683849	3381.48066683849	3317.2249454868616	3309.944116963378	64.2591220968749	71.5394907204736		
214	6	3914	-230361.1413	796697.3170250766	30.05743162349082	-101.610408	274165.7279829402	4326393.237	3375.203750367403	3375.203750367403	3316.890311586765	3308.445379367654	58.1434387061625	65.7479087067076		
215	6	3915	-229701.1413	796697.3170250766	30.05744726451172	-101.6088466	274327.8963330974	4326389.185361047	3376.0287819481017	3376.0287819481017	3316.221476	3308.72491898601	53.88726642491645	67.5334863048284		
216	6	3916	-229041.1413	796697.3170250766	30.05746296	-101.6057183	274529.0571737865	432635.959011428954	3365.959011428954	3365.959011428954	3313.02910615162124	3306.964366904057	50.9209326	58.9050748193369		
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236	6	3936	-215841.1413	796697.3170250766	30.05777356013738	-101.5592947	278559.2291687	4326302.98635924	3384.2298359146	3384.2298359146	3310.477342921009	3310.477342921009	3308.108715304925	0	0	
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238	6	3938	-214521.1413	796697.3170250766	30.0577946285988	-101.5546473	278953.4384070283	4326296.381301804	3393.4454218827395	3393.4454218827395	3297.34972362539	3308.53662536074	3308.354609302529	0	0	
239	6	3939	-213861.1413	796697.3170250766	30.05780918690886	-101.552324	279154.546454287	4326292.347895139	3396.213990081652	3396.213990081652	3293.9404291415062	3305.271617205291	3305.0181590003913	0	0	
240	6	3940	-213201.1413	796697.3170250766	30.05782370608756	-101.5500006	279355.6148287765	4326288.314653976	3397.741898556533	3397.741898556533	3293.54701722717	3301.58985167205	3301.58985167205	3301.58985167205	0	0
241	6	3941	-212541.1413	796697.3170250766	30.05783818036745	-101.5476772	279556.7618982507	4326284.281578303	3398.272389626543	3398.272389626543	3287.14258747415	3297.9125239795663	3296.750029739388	0	0	
242	6	3942	-211881.1413	796697.3170250766	30.057853081495	-101.545338	279757.848498121	4326280.24869121	3400.80158403553	3400.80158403553	3291.76029390834	3291.76029390834	3291.76029390834	0	0	
243	6	3943	-211221.1413	796697.3170250766	30.0578689433825	-101.5430035	279958.9740739604	4326276.519234513	3398.865701726997	3398.865701726997	3280.3814260121	3298.91383083122	3289.3214580773018	0	0	
244	6	3944	-210561.1413	796697.3170250766	30.05788133044729	-101.5400701	280160.083404793	4326272.831434183	3393.464724636787	3393.464724636787	3277.0174053760074	3287.2615482909455	3285.347218624407	0	0	
245	6	3945	-209901.1413	796697.3170250766	30.05789562859131	-101.5383837	280361.1902734719	4326268.15928408	3388.063748200741	3388.063748200741	3273.672013050661	3283.3120410627334	3281.194171206555	0	0	
246	6	3946	-209241.1413	796697.3170250766	30.057909878789594	-101.5360603	280562.2967996475	4326264.118680098	3386.2762171649612	3386.2762171649612	3270.3495070235867	3278.9535828161233	3276.68343820141	0	0	
247	6	3947	-208581.1413	796697.3170250766	30.057924038345705	-101.5337369	280763.4093101757	4326260.08697237	3382.211555	3382.211555	3267.058958669848	3273.804953893632	3271.4528038134683	0	0	
248	6	3948	-207921.1413	796697.3170250766	30.05793824402768	-101.5314136	280964.5902026454	4326256.05	3386.710980191804	3386.710980191804	3263.3367813421143	3269.264537766534	3266.63374736716	0	0	
249	6	3949	-207261.1413	796697.3170250766	30.0579530633485	-101.529127	281165.762933486	4326252.9229736	3385.923292736	3385.923292736	3261.300893314482	3265.9087813142402	3261.300893314482	0	0	
250	6	3950	-206601.1413	796697.3170250766	30.0579664297748	-101.526768	281366.7002739335	4326247.991341285	3385.701038612801	3385.701038612801	3257.45712521704	3258.80072653056	3257.71970390476	0	0	
251	6	3951	-205941.1413	796697.3170250766	30.0579814532639	-101.5244434	281567.8621849246	4326243.95920149	3396.902713750542	3396.902713750542	3254.445427817047	3247.2384505830986	3245.8498481874238	0	0	
252	6	3952	-205281.1413	796697.3170250												

ix	iy	x.f	Y.f	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevBoth.f	SatThkLog.f	SatThkBoth.f
333	6	-151821.1413	796697.3170250766	-30.58897744109869	-101.3393222	298067.57902831	4259139.43560576	3330.85577	3180.6327941145937	3207.40373832657	3198.1356627704194	0	0
334	6	-151161.1413	796697.3170250766	-30.58868141196559	-101.331598	298268.64471624	425909.528	3328.62514719957	3180.02695715999	3201.1225302651434	3201.2677944981565	0	0
335	6	-150501.1413	796697.3170250766	-30.589693901614	-101.3292763	298459.4319284676	425905.910337489	3331.01528438264	3179.412380735687	3206.633094925965	3201.1337705041103	0	0
336	6	-149841.1413	796697.3170250766	-30.5900606916031	-101.3269269	298617.022040084	425901.89260031	3338.025003301791	3178.801177889142	3206.531051262273	3203.8226628907037	0	0
337	6	-149181.1413	796697.3170250766	-30.59018778	-101.3246294	298862.1068698019	425897.875727354	3345.034723118574	3178.1891945435104	3206.2281457126974	3203.448373296885	0	0
338	6	-148521.1413	796697.3170250766	-30.59028868194884	-101.322306	299063.1971400614	425893.858669447	3352.0044442958243	3177.5759744854286	3205.9114509154056	3203.444651317334	0	0
339	6	-147861.1413	796697.3170250766	-30.59038973334445	-101.3198825	299264.2843920131	425889.841776304	3356.144231282682	3176.9612889167643	3205.5840210916717	3203.489998688145	0	0
340	6	-147201.1413	796697.3170250766	-30.59049049472955	-101.3176591	299465.37144871824	425885.825047918	3373.340881124304	3176.346015554367	3205.2445840183864	3204.865626	0	0
341	6	-146541.1413	796697.3170250766	-30.59059898173502	-101.3153356	299665.4583068151	425881.908	3386.52294484217	3175.1370570767	3204.891578779643	3204.603267	0	0
342	6	-145821.1413	796697.3170250766	-30.590698932057	-101.3131022	299867.5449619254	425877.792	3359.713801771927	3175.11372567501	3204.523173982144	3204.42948	0	0
343	6	-145221.1413	796697.3170250766	-30.5907838062963	-101.3108687	300068.6314315609	425873.775851213	3359.5733490070534	3174.496141858669	3204.1370694736675	3204.15424150470358	0	0
344	6	-144561.1413	796697.3170250766	-30.59088662762216	-101.3083653	300269.7176986226	425869.759781779	3358.1025866475566	3173.8772119554346	3203.7304848776796	321.4988032689826	0	0
345	6	-144391.1413	796697.3170250766	-30.59098409018215	-101.3060418	300470.87037690289	425865.743877055	3356.6318242848973	3173.255926134215	3203.301610755408	3201.819054840698	0	0
346	6	-143241.1413	796697.3170250766	-30.5910825239767	-101.3037318	300761.8896414404	425861.728137043	3355.1610619285643	3172.6318455116475	3205.479328764196	3202.972323519534	0	0
347	6	-142581.1413	796697.3170250766	-30.5911769905055	-101.3013948	300872.95732101144	425857.712661733	3354.1780008199495	3172.005909769336	3204.8782017254434	3208.417354447286	0	0
348	6	-141921.1413	796697.3170250766	-30.591274252684	-101.299074	301074.0608209057	425853.697115119	3353.6826387483507	3171.37898524817	3204.222005838334	3207.720304670275	0	0
349	6	-141261.1413	796697.3170250766	-30.5913727276516	-101.296748	301275.1468088957	425849.682	3353.187274141064	3170.7503779957924	3203.5367388009117	3206.9228905157074	0	0
350	6	-140601.1413	796697.3170250766	-30.5914685314956	-101.294425	301476.23175950023	425845.666823941	3352.691916081052	3170.121151478212	3202.789664603514	3206.150002572149	0	0
351	6	-139941.1413	796697.3170250766	-30.5915639114596	-101.2921011	301677.13677463395	425841.651907364	3352.12463794364	3169.491443246084	3202.344834313575	3205.3350727043824	0	0
352	6	-139281.1413	796697.3170250766	-30.591658425846	-101.2897776	301876.407746078	425837.637155449	3351.485443000711	3168.8610438499973	3199.6412238851326	3204.479243654075	0	0
353	6	-138621.1413	796697.3170250766	-30.5917533205875	-101.2874541	302079.485279606	425833.622689197	3350.84625869133	3168.2297455255302	3199.4877659598533	3203.619377	0	0
354	6	-137961.1413	796697.3170250766	-30.5918473587512	-101.2851307	302280.5656895026	425829.580145588	3350.207053110006	3167.597178571123	3198.453913153739	3202.700565129613	0	0
355	6	-137301.1413	796697.3170250766	-30.59194347467434	-101.2828272	302491.6537059374	425825.334830824	3349.5861334830924	3166.981334830924	3197.6817819190421	3201.78913190421	0	0
356	6	-136641.1413	796697.3170250766	-30.59203403797765	-101.280438	302692.737628611	425821.579374928	3348.84616809146	3166.32154332745	3195.53105	3200.91895623221	0	0
357	6	-135981.1413	796697.3170250766	-30.5921267671379	-101.2781603	302883.8214	425817.565865579	3348.1493350202237	3165.67762388176	3195.1374459431813	3200.12585123914635	0	0
358	6	-135321.1413	796697.3170250766	-30.5922190057317	-101.2758368	303084.9048872772	425813.55210489	3347.541680149014	3165.09227139919	3193.972862504064	3198.678361171125	0	0
359	6	-134661.1413	796697.3170250766	-30.59231079555765	-101.2735134	303285.9862277287	425809.539	3346.499990319337	3164.3754509026835	3193.826486885104	3198.699177774604	0	0
360	6	-134001.1413	796697.3170250766	-30.5924021366155	-101.2711899	303487.0173727356	425805.52067132	3345.2867961103216	3163.716137288105	3194.626994075343	3198.2202191739875	0	0
361	6	-133341.1413	796697.3170250766	-30.5924985766	-101.268864	303688.155252964	425801.51789848	3344.073623143288	3163.0511757176264	3194.789792140182	3197.9062452576824	0	0
362	6	-132681.1413	796697.3170250766	-30.5925834724262	-101.266543	303889.2370486976	425797.498691152	3342.864024549732	3162.390472322367	3194.918072453672	3197.51651438747	0	0
363	6	-132021.1413	796697.3170250766	-30.5926734671789	-101.2642195	304090.3196514521	425793.48570035	3341.5138002736697	3161.703132566393	3194.8556092790736	3197.403511524362	0	0
364	6	-131361.1413	796697.3170250766	-30.592763131629	-101.2618961	304291.4020253178	425789.472973492	3340.03637369975	3161.018065937926	3194.81063230488	3196.464595830762	0	0
365	6	-130701.1413	796697.3170250766	-30.5928521103778	-101.2595726	304492.8406266996	425785.46	3338.553462574884	3160.325773518927	3192.7862816477696	3196.051072384873	0	0
366	6	-130041.1413	796697.3170250766	-30.5929407588239	-101.2572491	304693.5661951731	425781.44791408	3337.0734192480413	3159.62624734287	3191.540424948877	3195.014954695828	0	0
367	6	-129381.1413	796697.3170250766	-30.593028958505	-101.2549287	304894.64796255	425777.64833209	3335.1272773822006	3158.918207617383	3189.788619676245	3193.474049043432	0	0
368	6	-128721.1413	796697.3170250766	-30.593116	-101.2526022	305095.725973918	425773.42351274	3332.71476595974	3158.20732071491	3188.694514899748	3192.4043954569364	0	0
369	6	-128061.1413	796697.3170250766	-30.5932001105457	-101.2502787	305296.8111010377	425769.411559071	3330.3052139359723	3157.488772312553	3184.6145178946244	3188.29238406342	0	0
370	6	-127401.1413	796697.3170250766	-30.593290649139	-101.2479552	305497.822329261	425765.39976975	3327.89357215484	3156.764185023476	3182.4075488691374	3186.10536543787	0	0
371	6	-126741.1413	796697.3170250766	-30.593377	-101.2456318	305698.972364051	425761.388145034	3325.548794826618	3155.035813209485	3181.0643950240037	3185.76095309601	0	0
372	6	-126081.1413	796697.3170250766	-30.5934632253401	-101.2433083	305900.051029462	425757.376684784	3323.2697267711246	3155.2963919349745	3179.7121453438376	3182.097303306024	0	0
373	6	-125421.1413	796697.3170250766	-30.5935487323979	-101.2409848	306101.1347515556	425753.763684784	3320.990658715631	3154.5513956573306	3175.54049249165006	3181.2899370330624	0	0
374	6	-124761.1413	796697.3170250766	-30.593633790779	-101.2386614	306302.2153094489	425749.34	3318.711599606113	3153.796823179193	3173.19541955105	3180.94090017465	0	0
375	6	-124101.1413	796697.3170250766	-30.5937240504454	-101.236327	306503.434309022	425745.343399022	3316.2243149492	3153.0263170701982	3171.6824319492	3180.03629170701982	0	0
376	6	-123441.1413	796697.3170250766	-30.5938032600905	-101.234044	306704.3795641202	425741.3348673	3315.802365903577	3152.7017119516	3164.624132317072	3170.745103972015	0	0
377	6	-122781.1413	796697.3170250766	-30.5938862729658	-101.2318609	306905.4554126415	425737.321848915	3314.6225727190035	3151.4944174711864	3162.148833812176	3168.11561293023	0	0
378	6	-122121.1413	796697.3170250766	-30.5939695361702	-101.2293765	307106.5352385447	425733.31375563	3313.4427273764053	3150.710610736984	3159.702237	3165.481510514994	0	0
379	6	-121461.1413	796697.3170250766	-30.5940520560331	-101.227044	307307.6147491916	425729.30962216	3312.1717634758966	3149.920051681443	3157.2831482765096	3162.84475880338	0	0
380	6	-120801.1413	796697.3170250766	-30.594137	-101.2247205	307598.6904643849	425725.200622115	3310.8095274137584	3149.121833133782	3155.97689852488	3160.7760680398	0	0
381	6	-120141.1413	796697.3170250766	-30.5942168315584	-101.2223877	307799.719763351	425721.26842203	3309.447791631611	3148.3171723044828	3154.818943888778	3157.57676762862	0	0
382	6	-119481.1413	796697.3170250766	-30.59429201127405	-101.2200736	3079910.531234975	425717.7122622	3308.08525284999	3147.506924725454	3150.877734367576	3154.39448467501	0	0
383	6	-118821.1413	796697.3170250766	-30.59433791	-101.2175501	308111.8308432995	425713.261475469	3306.46932541554	3146.690772935262	3149.687897192567	3150.057158301202	0	0
384	6	-118161.1413	796697.3170250766	-30.5944596911957	-101.2154266	308313.0094678107	425709.2518987285	3304.600961078958	3145.868921961702	3147.3931049347784	3151.493254848132	0	0
385	6	-117501.1413	796697.3170250766	-30.5945398129987	-101.2131031	308514.30821							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKrg.	BRLEvBothKrg.	SatHtKms	SurfTBothKrg.
459	4159	-86861.14133	79699.3170250766	30.59992234744483	-101.0411646	32393.3791932417	4325409.008491414	31.17,706663810934	3057.033814748435	2998.4047457669312	2998.072726250206	58.62863571171229	58.961104863237684	
460	4160	-86801.14133	79699.3170250766	30.5995269379755	-101.038411	32394.44411252184	4325405.011	31.16,774303122053	3055.361967663401	2998.4047457669312	58.62863571171229	58.961104863237684		
461	4161	-87441.14133	79699.3170250766	30.5995158527218	-101.0368176	32395.5087	4325401.81426916	31.15,770378630153	3053.69278630153	2998.4047457669312	58.62863571171229	58.961104863237684		
462	4162	-66681.14133	79699.3170250766	30.5993651186804	-101.0341941	32396.5731494318	4323937.017404362	31.16,7715243077	3052.07538502254	2998.118216	2997.596376151316	53.9003215976521	54.431171593409334	
463	4163	-66621.14133	79699.3170250766	30.5994066358703	-101.0318706	32419.6734562095	4325393.021417605	31.16,7715243077	3050.370520766192	2996.9627202421266	2996.4052040453666	53.40330052	53.9653167208254	
464	4164	-65631.14133	79699.3170250766	30.5994513042725	-101.0295471	32438.70159070427	4325305.05056826	31.15,79318165613	3048.7222949435243	2995.3112434799914	2994.6025676832952	54.0792648328281	54.0792648328281	
465	4165	-64701.14133	79699.3170250766	30.5994953289334	-101.0272236	32459.765531289	4325385.028863422	31.15,7972025911	3047.084736717752	2994.0421528095	2993.374771125555	53.0426233519424	53.7070232569548	
466	4166	-64041.14133	79699.3170250766	30.5993932947324	-101.0249001	32480.8293436826	4325381.028319179	31.15,7972025911	3045.458637689883	2992.7161300087272	2992.07762115333	52.7425078115553	53.38223479472947	
467	4167	-6381.14133	79699.3170250766	30.5995269379755	-101.0226768	32501.862962561	4325377.036964294	31.15,7972025911	3043.8438523475086	2991.33584369908	2990.7417301	52.508606707862	52.508606707862	
468	4168	-62721.14133	79699.3170250766	30.5995269379755	-101.0202531	32502.954100115	4325370.04126036	31.17,0315451104	3044.240371	2989.9209733394	2989.373215439736	52.8771192975643	52.8771192975643	
469	4169	-62061.14133	79699.3170250766	30.5996679145604	-101.0179295	32504.01968619286	4325363.05701715	31.16,796754345934	3040.6479975121097	2988.5578557462554	2988.022591	52.0901417658542	52.62540624299816	
470	4170	-61401.14133	79699.3170250766	30.599570989027205	-101.015606	32505.082791322	4325365.0503437165	31.15,944243518083	3039.066626816132	2986.714684017048	2986.197640592955	52.5197836565184	52.86905738631776	
471	4171	-61071.14133	79699.3170250766	30.5995714172235	-101.0132825	32506.1457256094	4325361.87834237	30.7,49597834237	3037.49597834237	2986.92402859524	2986.912410502183	50.57195019	50.78356828124065	
472	4172	-60081.14133	79699.3170250766	30.59979249535175	-101.010959	32507.2004892534	4325357.060081967	31.12,235223844048	3035.93132990434	2985.06581777272	2984.97970381414	50.35542917989313	50.35542917989313	
473	4173	-59421.14133	79699.3170250766	30.5998331247181	-101.008635	326208.27108246187	4325351.966196385	31.12,235223844048	3034.3486391744	2983.1291979662537	2983.178722223568	51.25578512549009	51.25578512549009	
474	4174	-58761.14133	79699.3170250766	30.5998733053027	-101.006312	326409.333054374	4325340.701475049	31.08,06984257975	3032.846874700737	2981.0494140097585	2981.2762164646323	51.7972346031521	51.7972346031521	
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476	4176	-57441.14133	79699.3170250766	30.5999503201239	-101.001665	326811.4574815104	4325341.081522904	30.9,73114713821	3029.80754560285	2975.475734958602	2975.727540672796	53.31198016983034	54.079569300556	
477	4177	-56781.14133	79699.3170250766	30.5999911543611	-100.9993415	327012.51975501515	4325337.087	30.9,73114713821	3028.306521521496	2970.619582456414	2970.570189	52.869030605824	57.7948231184293	
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483	4183	-52821.14133	79699.3170250766	30.60021473535045	-100.9854004	328218.8876854829	4325315.36574	30.9,73114713821	3019.591613698897	2981.5997693435147	2981.654926692942	37.99341402960334	37.99341402960334	
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489	4189	-48861.14133	79699.3170250766	30.6004216015674	-100.9714593	329425.249651159	4325289.16939477	30.9,73114713821	3010.97069499363	2997.3072331816	2998.209096030192	28.188112311741	28.188112311741	
490	4190	-48201.14133	79699.3170250766	30.6004551602166	-100.9691358	329626.3092820686	4325285.177189571	30.9,73114713821	3010.08904108316	2987.68937482972	2987.68937482972	23.21570491180794	23.21570491180794	
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493	4193	-46221.14133	79699.3170250766	30.60055516679585	-100.9621652	330228.4874696284	4325272.20189572	30.9,73114713821	3006.2932519525347	2987.9195931816864	2981.8504474540564	24.2992672	24.2992672	
494	4194	-45561.14133	79699.3170250766	30.6006474973515	-100.9598417	330430.5465308713	4325268.19387703	30.9,73114713821	3005.4947687373	2987.63115787394	2987.49115787394	26.48387171454249	26.48387171454249	
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504	4204	-38961.14133	79699.3170250766	30.6008703879254	-100.9366066	332411.1285102162	4325239.30405022	30.9,73114713821	2999.387657045176	2969.8034742029044	2969.8034742029044	30.33479123469593	30.33479123469593	
505	4205	-38301.14133	79699.3170250766	30.6009338070964	-100.934283	332642								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	LatHtKgr.ft	SurfHtKgr.ft
585	4285	14488.85867303351	796997.3170250766	-39.060154370795566	-100.7484013	348726.2523381847	4234906.672011095	2801.801309539862	2822.032386392619	2828.7163855470408	2827.26532939391	31.703700045578386	32.758057
586	4286	15158.85867303351	796997.3170250766	-39.0601535362469755	-100.7480738	348927.2369837502	4234902.95951727	2945.051305905264	2858.28362	2828.5801782710783	2827.363286985338	31.7040325380172	32.758057
587	4287	16188.85867303351	796997.3170250766	-39.060152711171395	-100.7480738	349126.3414865498	4234905.7219126117	2940.5722197130163	2858.98147712603	2828.9170842298987	2823.1981247377075	31.6843834298987	32.758057
588	4288	16478.85867303351	796997.3170250766	-39.06015121171395	-100.7480738	349324.3589423408	4234894.73170282	2839.5410634162347	2858.98147712603	2828.5177126268924	2821.752748018786	31.40586104363073	33.1688065169597
589	4289	17138.85867303351	796997.3170250766	-39.06015008620851	-100.7391073	349530.3415145644	4234886.7672281675	2832.154060660419	2853.3212787549905	2828.473435479695	2818.00063	32.31280529741108	35.320748882470525
590	4290	17798.85867303351	796997.3170250766	-39.06014880836454	-100.7367837	349731.47421401443	4234880.79143978	2927.93141051603	2851.770527420380	2818.732647279652	2816.6159781658808	33.03830779945154	35.15467474
591	4291	18458.85867303351	796997.3170250766	-39.0601476476205	-100.7344602	349932.5814310298	4234882.81501312	2922.85736955687	2850.2748623655293	2817.230302367141	2815.125074516089	33.04018	35.15340549440047
592	4292	19118.85867303351	796997.3170250766	-39.06014637040101	-100.7321367	350133.56190042873	4234878.845031136	2916.91782343813	2848.278957846261	2815.5503181900693	2813.4801734004784	32.9022959553478	35.3667844773646
593	4293	19778.85867303351	796997.3170250766	-39.06014504758148	-100.7298132	350334.60525464653	4234874.8305	2916.9799197310383	2847.68198354584	2813.6481186976154	2811.6481186976154	33.86103404555056	35.81787445789956
594	4294	20438.85867303351	796997.3170250766	-39.0601438920341	-100.7274895	350535.54900313725	4234870.7889913442	2846.12315115724	2849.758401536391	2807.9150713967885	2805.3343291518132	33.219337753829	35.81787445789956
595	4295	21098.85867303351	796997.3170250766	-39.060142578966846	-100.7251661	350736.692321121	4234866.915	2839.356920211	2844.76688700999	2807.6107259779474	2805.8189517015485	33.17356072	35.867743999450386
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597	4297	22418.85867303351	796997.3170250766	-39.06013930885815	-100.7205191	351138.7786	4234858.9654879785	2888.67719055678	2842.110315	2804.23197110556576	2802.868579760673	37.8783471460225	37.96425056701082
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600	4300	24398.85867303351	796997.3170250766	-39.060134533602029	-100.7134785	351741.9062531745	4234847.0245011	2885.056881050363	2838.015814845152	2797.347417257023	2797.347417257023	40.6840257722789	42.07132706578856
601	4301	25058.85867303351	796997.3170250766	-39.060132852098564	-100.711225	351942.9438	4234843.086954616	2887.9904201298438	2836.614441015247	2797.027245	2797.027245	35.89196146506424	40.9482709649624
602	4302	25718.85867303351	796997.3170250766	-39.060131125712545	-100.7089015	352143.991609687	4234839.04066416	2890.9239721545	2835.196157837857	2797.978184063694	2797.028457015637	37.727727009189	38.16768177
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614	4314	33638.85867303351	796997.3170250766	-39.0601073855676	-100.6810192	354549.49865458	4234791.42131674	2899.70149535146	2816.598149535146	2772.15005953378	2772.15005953378	35.051745727426805	33.72548509018285
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616	4316	34958.85867303351	796997.3170250766	-39.06010224	-100.6763722	354958.5690774875	4234783.47803375	2895.82468419025	2813.358681611724	2771.3555153811	2771.878755	35.051745727426805	33.72548509018285
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618	4318	36278.85867303351	796997.3170250766	-39.0600974000619	-100.6717252	355360.649303507	4234775.53400626	2893.81284847928	2810.1831852487	2770.544684976706	2770.544684976706	35.051745727426805	33.72548509018285
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622	4322	38918.85867303351	796997.3170250766	-39.06008917351147	-100.6624311	356164.8080969724	4234759.652042295	2903.674022889649	2804.525184430472	2768.171938257475	2767.831572744324	35.051745727426805	33.72548509018285
623	4323	39578.85867303351	796997.3170250766	-39.060087045647796	-100.6601076	356365.847114721	4234755.681661279	2906.125053880684	2803.361958794504	2767.70784496263	2767.70784496263	35.051745727426805	33.72548509018285
624	4324	40238.85867303351	796997.3170250766	-39.06008517096572	-100.6577841	356566.8668134847	4234751.71407115	2907.3587918439725	2802.31003574697	2767.167039688385	2766.749920333308	35.051745727426805	33.72548509018285
625	4325	40898.85867303351	796997.3170250766	-39.06008330237527	-100.6554065	356767.9256711206	4234747.74302699	2905.92529807129	2801.34673314504	2766.5053935832616	2766.069903542833	35.051745727426805	33.72548509018285
626	4326	41558.85867303351	796997.3170250766	-39.060081472895375	-100.653137	356968.964595615	4234743.71367047	2908.6267777028	2800.447837317025	2765.691753540818	2765.691753540818	35.051745727426805	33.72548509018285
627	4327	42218.85867303351	796997.3170250766	-39.06007973495912	-100.6508418	357169.942097384	4234739.18269832	2909.78498421463	2800.447837317025	2765.691753540818	2765.691753540818	35.051745727426805	33.72548509018285
628	4328	42878.85867303351	796997.3170250766	-39.060078077333455	-100.64843	357371.040297384	4234735.8192698	2910.107491933474	2798.74444494154	2765.691753540818	2765.691753540818	35.051745727426805	33.72548509018285
629	4329	43538.85867303351	796997.3170250766	-39.060076549229444	-100.6461655	357572.8005367831	4234731.86235462	2909.6393241309697					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatHtElev.f	SatHtBoth.f
711	6	4411	97658.85867307335	79699.3170250766	30.5969739	-100.455639	374066.7862371374	374406.915968883	2787.8885824170693	2770.1871678031508	2647.7586393947226	2645.37610893851	53.02258408428116	55.40556509299776
712	6	4412	98318.85867307335	79699.3170250766	30.59667217217825	-100.453316	374257.8139550259	374396.365368956	2786.990275683497	2699.508553411723	2644.720467733645	2642.341962448242	54.78806567742908	57.16685177
713	6	4413	98938.85867307335	79699.3170250766	30.59689553411187	-100.450821	374458.8415516348	374538.0077238898	2786.0714219672026	2698.233734544618	2641.226671210337	2638.731076782026	57.0071602358514	59.50072386441271
714	6	4414	99638.85867307335	79699.3170250766	30.59673780574229	-100.4463516	374695.8692069058	374430.052054068	2785.162918	2696.965787540052	2637.843029604407	2635.4452094734957	58.112567381133	61.51157805562425
715	6	4415	100288.85867307335	79699.3170250766	30.5964668305911	-100.4463451	374860.8698329016	374391.096539087	2783.575925	2695.673948317345	2634.626788393072	2632.4884337376428	61.05006438662726	63.1789645409178
716	6	4416	100958.85867307335	79699.3170250766	30.5964014056234	-100.4440216	375061.9237412713	3742387.141	2781.37594917259	2694.35658978834	2630.994848189469	2626.0297334	64.0084107893655	65.367724486
717	6	4417	101678.85867307335	79699.3170250766	30.596623319258	-100.4416981	375262.95082767017	3742383.185992139	2778.13564564585	2693.11522	2628.78339474784	2627.005083381373	64.628182490416	66.10643866
718	6	4418	102218.85867307335	79699.3170250766	30.5966262094466	-100.4393746	375463.9770220184	3742383.203691922	2774.615342411538	2691.824718551359	2625.142762726483	2623.5456136808108	64.6819562487488	68.2784017432138
719	6	4419	102838.85867307335	79699.3170250766	30.596619343819186	-100.4370151	375665.0466925405	3742375.276930408	2774.198113897253	2690.535236454942	2621.94364928496	2620.857432051223	68.8158717468599	69.877804936958
720	6	4420	103598.85867307335	79699.3170250766	30.59661221618196	-100.4347276	375866.0314449019	3742371.321386486	2770.9533074748955	2689.24310124382	2619.948894589513	2617.6258521597565	70.29421656473054	71.4115130392352
721	6	4421	104258.85867307335	79699.3170250766	30.59660524535676	-100.4324042	376067.05807747855	3742367.367	2767.70845358188	2687.94833456301	2616.852542202945	2615.8797961235855	71.09580130335598	72.0685473
722	6	4422	104978.85867307335	79699.3170250766	30.595981941177645	-100.4300807	376268.0548099747	3742363.412	2764.4636833674203	2686.650997534305	2615.9719725212067	2615.953189061115	70.85920500282828	71.69780047
723	6	4423	105518.85867307335	79699.3170250766	30.59598098654214	-100.4277572	376469.111	3742359.458	2759.7957660056213	2685.3482378443823	2615.967000556213	2614.9581663851634	71.8515377867012	69.760041
724	6	4424	106238.85867307335	79699.3170250766	30.59586378502913	-100.4254337	376670.1372556284	3742355.504174564	2753.7043743242216	2684.034087	2617.293649	2616.583168241764	66.7404376334018	67.4501698879373
725	6	4425	106898.85867307335	79699.3170250766	30.5958763963898	-100.4231102	376871.1634140565	3742351.505247945	2747.6137201439453	2682.708359539826	2617.7730872433117	2617.2020486152683	64.63796951607088	65.50631013871725
726	6	4426	107518.85867307335	79699.3170250766	30.59589247770746	-100.4208273	377072.18945078	3742347.596537933	2742.52269890469	2681.3710421677056	2616.36502023075	2616.1812519730507	62.008372387307	62.55852398654976
727	6	4427	108278.85867307335	79699.3170250766	30.595861911225394	-100.4184632	377273.2153689862	3742343.62691478	2738.2469889636	2680.02125681857	2620.623893172564	2620.036893136835	59.398234	59.9852334130228
728	6	4428	108878.85867307335	79699.3170250766	30.59585453020262	-100.4161398	377474.2416879405	3742343.694967427	2731.786421314465	2678.0651785920042	2621.2955817287477	2620.03689143175	59.99146415256	58.0578944918504
729	6	4429	109538.85867307335	79699.3170250766	30.595847104320362	-100.4138163	377675.266850471	3742343.76294444	2727.326013376057	2677.289348162138	2621.3314416117673	2620.93483062949	55.9570605503781	56.73996409918365
730	6	4430	110198.85867307335	79699.3170250766	30.595853963524814	-100.4114928	377876.2921420486	3742343.783	2722.86554626067	2675.90536336033	2624.0868018616316	2623.2795837748604	51.8185616740128	52.62577976117245
731	6	4431	110858.85867307335	79699.3170250766	30.5958211786984	-100.4091693	378077.3718602013	3742343.72027298	2721.552173527607	2674.50953027574173	2623.952258083692	2623.7561932020184	52.721791502434	49.93857255452895
732	6	4432	111578.85867307335	79699.3170250766	30.59582456	-100.406948	378278.374388596	3742343.75004493	2718.737177454058	2673.101733741783	2624.73032124749	2624.8544771691075	50.7407161107378	30.247561226748
733	6	4433	112178.85867307335	79699.3170250766	30.5958165897199	-100.404723	378489.3682991474	3742343.7682991474	2718.1962959115295	2672.3218629817376	2624.8544771691075	2624.8544771691075	50.7407161107378	30.247561226748
734	6	4434	112838.85867307335	79699.3170250766	30.595803101407405	-100.402198	378680.3945377893	3742343.751951923	2717.553323545173	2670.249734172403	2624.9236331041093	2625.4482813023396	52.3261016829361	24.76725205204304
735	6	4435	113498.85867307335	79699.3170250766	30.59580160647638	-100.3998754	378881.4184706773	3742342.020167813	2716.980162020213	2668.805108977343	2624.504699117683	2624.504699117683	52.3261016829361	24.76725205204304
736	6	4436	114158.85867307335	79699.3170250766	30.595794386643469	-100.3975519	379082.433312275	3742340.06083189	2724.784215565996	2667.37486670402	2624.4939944702	2624.4939944702	52.3261016829361	24.76725205204304
737	6	4437	114818.85867307335	79699.3170250766	30.5957881515715	-100.3952284	379283.4680750728	3742340.11680196	2722.66041929898	2665.87808816421	2623.7889792097453	2624.4939944702	52.3261016829361	24.76725205204304
738	6	4438	115478.85867307335	79699.3170250766	30.5947825171945	-100.3929409	379484.4927020416	3742340.164284214	2720.536214293837	2664.399438	2623.1952716134384	2623.1952716134384	52.3261016829361	24.76725205204304
739	6	4439	116158.85867307335	79699.3170250766	30.5947825171945	-100.3929409	379685.5172140346	3742340.164284214	2718.737177454058	2662.31425813767	2623.1952716134384	2623.1952716134384	52.3261016829361	24.76725205204304
740	6	4440	116838.85867307335	79699.3170250766	30.5947825171945	-100.3929409	379886.5416025592	3742340.164284214	2716.980162020213	2660.37486670402	2624.4939944702	2624.4939944702	52.3261016829361	24.76725205204304
1	7	4441	-370941.1413	79635.3170250766	30.584898532289	-102.105285	321288.2988018102	372458.26715848	407.0496981313232	3890.1510513638832	3905.4935134768557	3901.222891012313	0	0
2	7	4442	-370281.1413	79635.3170250766	30.58491502822885	-102.102934	321489.8431151452	372458.195	406.873735116366	3888.759917059344	3907.613618424216	3907.613618424216	0	0
3	7	4443	-369621.1413	79635.3170250766	30.58494020685642	-102.1006402	321690.62387015	372458.122	401.6794036381465	3887.400614316056	3906.945123189103	3901.0897229310544	0	0
4	7	4444	-368961.1413	79635.3170250766	30.5849631602348	-102.0983171	321891.7941776456	372458.0484949274	403.417096547381	3886.07051393549	3902.888923003457	3908.029274760977	0	0
5	7	4445	-368301.1413	79635.3170250766	30.5849936	-102.096994	322022.95871084917	372457.913761706	404.51454701166	3884.69818532226	3899.57218147708	3896.6318910873	0	0
6	7	4446	-367641.1413	79635.3170250766	30.58501539075791	-102.093678	322294.1227757878	372457.8290341436	408.392476308143	3887.896245915687	3897.856245164515	3894.6516445175	0	0
7	7	4447	-366981.1413	79635.3170250766	30.58500437425216	-102.0913477	322465.287	372457.81384682	409.323704936991	3887.820179662714	3898.281530536566	3894.631940205971	0	0
8	7	4448	-366321.1413	79635.3170250766	30.58500530402583	-102.0890245	322696.4507147047	372457.7969274	402.59301550035	3880.538930396205	3901.74443030907	3900.334561113397	0	0
9	7	4449	-365661.1413	79635.3170250766	30.58500901885972	-102.0867014	322897.6141850847	372457.76836838	401.5184937030795	3879.153130089364	3889.222542368247	3888.73800988366	0	0
10	7	4450	-365001.1413	79635.3170250766	30.5851150282684	-102.0843783	323098.7739023436	372472.615933237	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
11	7	4451	-364341.1413	79635.3170250766	30.585139292714	-102.082051	323299.80430345263	372471.54439357	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
12	7	4452	-363681.1413	79635.3170250766	30.58516457416058	-102.079732	323501.1303059157	372471.43237374	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
13	7	4453	-363021.1413	79635.3170250766	30.58518972712	-102.077478	323702.1421683874	372471.43237374	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
14	7	4454	-362361.1413	79635.3170250766	30.5852139400257	-102.075087	323903.47534475	372470.330011334	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
15	7	4455	-361701.1413	79635.3170250766	30.5852365565923	-102.072726	324104.5894548507	372470.330011334	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
16	7	4456	-361041.1413	79635.3170250766	30.58526312642755	-102.0704394	324305.7510644099	372470.330011334	400.03640586124	3877.762910967063	3884.963018535154	3885.4214904788	0	0
17	7	4457	-360381.1413	79635.3170250766	30.5852876232315									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SatThLogsKrg.ft	SatThBoth.ft
97	7	4537	-307581.1413	796357.3170250766	30.957104305898996	-101.882259	250598.984664613	4327068.013168149	3735.557811868055	3721.628622093348	3637.395852397187	3634.369130838594	34.2327699616109	87.2588317
98	7	4538	-306821.1413	796357.3170250766	30.957125242417264	-101.879938	250800.12553818922	4327063.966111555	3731.935621191436	3719.20225254948	3632.408565804395	3631.86156944751092	90.0313996057608	90.0313996057608
99	7	4539	-306261.1413	796357.3170250766	30.957146906964645	-101.877625	251101.26574876834	4327059.928126148	3731.5384122864949	3719.7973347289849	3632.6652230417036	3631.7132425	93.132814866281	93.132814866281
100	7	4540	-305601.1413	796357.3170250766	30.95716698094201	-101.875282	251202.4056496596	4327055.842494823	3734.366185162362	3714.3619975916977	3620.55807673044985	3618.181575175096	93.7630208719915	96.1804220741193
101	7	4541	-304941.1413	796357.3170250766	30.957187647748385	-101.872966	251403.54589801325	4327051.78941869	3737.139360306262	3711.916369374216	3614.875154	3612.668413835356	97.0412532830595	99.2475653889997
102	7	4542	-304281.1413	796357.3170250766	30.95720837948084	-101.8706427	251604.68558053297	4327047.729551085	3740.0213073016874	3709.462838909075	3610.7483736710838	3608.4707361397129	100.9226907400119	100.9226907400119
103	7	4543	-303621.1413	796357.3170250766	30.957229062694905	-101.8683194	251805.82502598234	4327043.67328761	3741.5011622550537	3707.02078330613	3609.3542625152396	3606.78543259103467	102.6485291537353	102.6485291537353
104	7	4544	-302961.1413	796357.3170250766	30.95724965	-101.8659961	252006.96422100626	4327039.617272188	3741.61637597379	3704.53068409015	3608.1258141012404	3606.120368903845	104.4082543077477	104.4176151843087
105	7	4545	-302301.1413	796357.3170250766	30.95726969664645	-101.863678	252208.1031703897	4327035.786415268	3741.763344670816	3702.609629151523	3606.91684453184	3605.488576828464	106.1192156539344	106.1192156539344
106	7	4546	-301641.1413	796357.3170250766	30.95729075219015	-101.8613496	252409.2418741583	4327031.50565976	3741.894351753225	3699.585784275893	3606.4367194387	3604.590281512113	11.1450499	94.9854891637801
107	7	4547	-300981.1413	796357.3170250766	30.95731124690508	-101.8590263	252610.380326592	4327027.450102321	3747.083216887082	3697.108860974412	3607.519468442389	3603.36906403155	89.5893253520285	93.7427642830343
108	7	4548	-300321.1413	796357.3170250766	30.95733169971125	-101.856703	252811.5186451451	4327023.394712297	3738.639689502336	3694.629236225265	3606.178283	3601.8223918274957	88.45906338176905	92.8068437976905
109	7	4549	-299661.1413	796357.3170250766	30.9573520267650905	-101.8543797	253012.6565174133	4327019.339488888	3736.426162	3692.146016166576	3603.155707685324	3598.658272664935	89.0005048124949	93.7487435012567
110	7	4550	-299001.1413	796357.3170250766	30.95737240071955	-101.8520664	253213.7942386047	4327015.28432092	3734.212634237484	3689.658814567462	3600.502079809391	3607.3871966784254	98.15680156	92.2716847209125
111	7	4551	-298341.1413	796357.3170250766	30.95739274891716	-101.8497331	253414.93171802716	4327011.22941931	3731.599748378556	3687.161125324945	3599.946710630095	3594.96586888901	94.211443984898	96.5732913890533
112	7	4552	-297681.1413	796357.3170250766	30.95741301122436	-101.847408	253616.0689317955	4327007.174818312	3728.504897112625	3684.650491181855	3596.032046741166	3592.251840245272	99.391085861357	99.391085861357
113	7	4553	-297021.1413	796357.3170250766	30.95743323069093	-101.8450686	253817.20594427056	4327003.12061313	3725.530342782394	3682.128616203672	3591.7530684305125	3589.269376272583	103.975477315116	103.975477315116
114	7	4554	-296361.1413	796357.3170250766	30.957453403243265	-101.8427633	254018.2394150236	4326999.05679001	3722.49999054163	3679.59438258952	3588.10372804161	3586.00192515095	105.9145497647901	105.9145497647901
115	7	4555	-295701.1413	796357.3170250766	30.95747333296276	-101.84004	254219.47491950181	4326990.01647065	3718.1995312229305	3677.048497888593	3584.0984019597513	3582.447231956465	106.9250059284799	106.9116869
116	7	4556	-295041.1413	796357.3170250766	30.95749361683067	-101.8381167	254420.6145522114	4326985.958	3712.62848586996	3674.491250180059	3579.8150511594426	3578.6483825360494	108.4671354056111	95.8418225639434
117	7	4557	-294381.1413	796357.3170250766	30.9575136	-101.8357934	254621.7515720843	4326986.93097788	3707.0581065164616	3671.922868237736	3576.14048327183	3574.48848865465	95.782009109075	96.36423737212817
118	7	4558	-293721.1413	796357.3170250766	30.9575336491764	-101.8334701	254822.8875435324	4326982.948972847	3701.48747513227	3669.3249784975767	3571.8844857366746	3571.7035647960714	97.4584827620208	97.4584827620208
119	7	4559	-293061.1413	796357.3170250766	30.95755369914546	-101.8310928	255024.02787844322	4326978.786415268	3701.5384122864949	3667.528287197384	3569.47528287197384	3569.47528287197384	98.1192156539344	98.1192156539344
120	7	4560	-292401.1413	796357.3170250766	30.95757350350185	-101.8289235	255225.1581532876	4326974.743024313	3703.5761743002031	3664.150824136937	3572.921138865595	3572.958804447328	101.2296354094927	101.2296354094927
121	7	4561	-291741.1413	796357.3170250766	30.95759332696883	-101.8265002	255426.2921128718	4326970.858997085	3706.82535513961	3664.25435535925	3574.250274588444	3574.37932731127	102.9881750748659	102.9881750748659
122	7	4562	-291081.1413	796357.3170250766	30.95761317760033	-101.8241769	255627.4801502635	4326966.36741626	3701.07486924740	3658.915292758539	3575.433434469234	3575.616124	103.975477315116	103.975477315116
123	7	4563	-290421.1413	796357.3170250766	30.957632947342334	-101.8218536	255828.5625767483	4326962.58350371	3701.279405126636	3656.818366630477	3576.328972328305	3576.5375452912663	105.9145497647901	105.9145497647901
124	7	4564	-289761.1413	796357.3170250766	30.95765267	-101.8195303	256029.6999	4326958.31125437	3697.4919812772487	3653.6823415314943	3576.8102605555	3577.10779554977	76.7663948	76.7663948
125	7	4565	-289101.1413	796357.3170250766	30.95767235211696	-101.817807	256230.839196847	4326954.678476011	3694.698478185337	3650.968676789284	3577.119983	3578.1489247653116	92.291771749	92.291771749
126	7	4566	-288441.1413	796357.3170250766	30.9576919733897	-101.8148637	256431.9187187365	4326950.42175087	3701.881857135949	3648.32191133392	3577.011267007366	3577.686897258157	71.3102371	70.6343937357634
127	7	4567	-287781.1413	796357.3170250766	30.9577117595456	-101.8125603	256633.0984075803	4326946.732394661	3698.97454968277	3645.64832708463	3572.588073206745	3576.638756	73.06025400271801	69.0095711
128	7	4568	-287121.1413	796357.3170250766	30.957731122978545	-101.810237	256834.2317629017	4326942.3189074	3696.9647366709014	3642.9657710181423	3570.23727776347	3570.23727776347	73.74398624179544	68.9727138280163
129	7	4569	-286461.1413	796357.3170250766	30.957750623490755	-101.8079137	257035.3646722844	4326938.269988269	3692.9850513650283	3640.27212274522	3573.320864564528	3573.677112121567	72.9512770994402	66.5950105295518
130	7	4570	-285801.1413	796357.3170250766	30.9577700913121	-101.8055904	257236.4874957538	4326934.21	3689.94529064152	3637.566826515926	3564.149532308949	3564.933424634371	72.5704537615014	72.5704537615014
131	7	4571	-285141.1413	796357.3170250766	30.95778949899585	-101.8032671	257437.6033265455	4326930.16671279	3688.4448875973	3634.800150753761	3566.848939464134	3567.72689292917	70.067025914747	73.1213682463925
132	7	4572	-284481.1413	796357.3170250766	30.9578098557949	-101.800948	257638.762734122	4326928.15319732	3687.453804271462	3632.1234047037014	3564.971137789846	3564.971137789846	72.5704537615014	72.5704537615014
133	7	4573	-283821.1413	796357.3170250766	30.95782817682162	-101.798205	257839.8849816897	4326922.06409317	3684.742217274906	3629.82023428793	3564.0097818208455	3564.92241831919	73.7424213	74.5979360677374
134	7	4574	-283161.1413	796357.3170250766	30.95784745297467	-101.7962572	258041.026841325	4326918.01303292	3687.4716381249998	3626.631415404437	3560.53409105677	3551.50744713578	75.997234	75.123936870732
135	7	4575	-282501.1413	796357.3170250766	30.95786666425576	-101.7939738	258242.1584173785	4326914.36213928	3682.43428271739	3625.836988012993	3547.0550761365103	3547.0550761365103	76.41536478905	75.957072905392
136	7	4576	-281841.1413	796357.3170250766	30.95788587606488	-101.7916505	258443.2889	4326909.91412018	3683.350654004078	3621.068427934875	3543.56233846311	3544.42720700563	77.5330349717629	76.669821924456
137	7	4577	-281181.1413	796357.3170250766	30.9579051220198	-101.7893272	258644.4214339007	4326905.86085174	3684.2679532676787	3618.3135401293485	3541.3913603	3540.23403290997	78.9999384	78.0792847493839
138	7	4578	-280521.1413	796357.3170250766	30.95792410886703	-101.7870339	258845.5520994947	4326901.81046752	3680.183392770649	3615.501426818438	3536.798124050572	3537.805729388925	78.722606317652	77.7134170935129
139	7	4579	-279861.1413	796357.3170250766	30.9579436960307	-101.7847182	259046.6681726344	4326897.1289247	3681.5470077567974	3615.9815802748314	3535.99155521	3535.99155521	79.067025914747	79.067025914747
140	7	4580	-279201.1413	796357.3170250766	30.95796217658086	-101.7823572	259247.81329604352	4326892.70116746	3681.4214960334546	3609.303695867904	3532.22046737427	3531.5187673737	79.6809111311693	78.38491130116969
141	7	4581	-278541.1413	796357.3170250766	30.957981129629525	-101.7800339	259448.9435364935	4326889.660271942	3680.614817655532	3607.081481765532	3526.570002580292	3527.974924	80.51147	

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.f	BR ElevBothKrg.f	SatHtLogs.f	SatHtBoth.f	
223	7	4663	-224421.1413	796357.3170250766	39.05938331445695	-101.5895174	275940.8319155361	4326558.134453985	3328.298929072429	3328.298929072429	3296.831164809398	3295.01736545356	39.46776426303086	43.28319216707293
224	7	4664	-223761.1413	796357.3170250766	39.05939855	-101.5871939	276141.5430870875	4326554.088	3336.3605294511157	3336.3605294511157	3296.1406081584723	3296.54062935491927	40.22032192643335	41.83457286918864
225	7	4665	-223101.1413	796357.3170250766	39.05941371069214	-101.5848706	276345.0640284934	4326550.9534028493	3334.42239269299033	3334.42239269299033	3297.0762463890567	3296.281761578277	37.34370463849056	39.18476446253266
226	7	4666	-222441.1413	796357.3170250766	39.059428892463046	-101.5825471	276544.2487667325	4326546.026265975	3332.48493	3332.48493	3295.0810614272533	3297.261994687734	33.2124896378123764	35.22293525070187
227	7	4667	-221781.1413	796357.3170250766	39.05943439638198	-101.5802237	276745.275263174	4326541.90140401	3334.644037306344	3334.644037306344	3293.4316476728923	3299.6029272156935	33.21238963345195	35.04110479
228	7	4668	-221121.1413	796357.3170250766	39.059445934525975	-101.5779903	276946.3855684348	4326537.956	3340.90025112133657	3341.754569744234	3306.561005120475	3291.9236772206334	25.184464623768235	29.8225202160687
229	7	4669	-220461.1413	796357.3170250766	39.059467046654909	-101.5755769	277147.4965373205	4326533.920290095	3347.15646497308347	3347.15646497308347	3308.873733513446	3299.79579077026	19.500275182417346	24.2518901701987
230	7	4670	-219801.1413	796357.3170250766	39.0594803488904	-101.5732534	277348.4054895094	4326529.88176533	3353.4126767540382	3354.923659081034	3309.5915647738852	3306.734593042144	14.33770113421815	19.65872863695957
231	7	4671	-219141.1413	796357.3170250766	39.05949366830835	-101.570976	277549.2711467676	4326525.85	3368.584948189973	3371.194681038396	3309.737696614596	3307.737696614596	8.52585417443638	13.783464597876132
232	7	4672	-218481.1413	796357.3170250766	39.0595184	-101.568906	277750.5426372305	4326521.81546145	3368.6721742808014	3378.1125157107723	3313.551928465548	3310.076333	4.050572214182455	8.05818310312396
233	7	4673	-217821.1413	796357.3170250766	39.0595337052085	-101.5662832	277951.9337132869	4326517.87902665	3376.759767	3341.7051004614573	3314.211949494727	3311.00461121238	4.8051505164845475	35.125254302419144
234	7	4674	-217161.1413	796357.3170250766	39.05954845931464	-101.5636597	278153.0427	4326513.746	3384.847359302498	3311.298611314532	3314.6720478909915	3312.1905330427394	0	0
235	7	4675	-216501.1413	796357.3170250766	39.0595630323327	-101.5616383	278354.15143470326	4326509.712093928	3390.5644971914887	3307.8924875767752	3313.3358539053147	3313.612406830648	0	0
236	7	4676	-215841.1413	796357.3170250766	39.0595729072674	-101.5593129	278555.2599660743	4326505.677974651	3393.9118222988434	3304.487418670206	3315.85366868548	3316.82290403962	0	0
237	7	4677	-215181.1413	796357.3170250766	39.05958255644502	-101.5568985	278756.3862859595	4326501.444021092	3397.257966805834	3305.82828612277	3315.9500603095054	3312.558669782023	0	0
238	7	4678	-214521.1413	796357.3170250766	39.05960717	-101.554606	278957.4763756654	4326487.101233249	3400.645513120265	3297.887379512314	3317.2887441154217	3317.75927497003	0	0
239	7	4679	-213861.1413	796357.3170250766	39.059621730155946	-101.5523426	279158.584254947	4326483.576611124	3402.505227663857	3294.294990118285	3312.4717936422758	3312.5715842047144	0	0
240	7	4680	-213201.1413	796357.3170250766	39.05963624960849	-101.5500192	279359.69191125233	4326480.543154668	3402.95985858926	3290.911463825123	3308.1925152757894	3307.7646143038034	0	0
241	7	4681	-212541.1413	796357.3170250766	39.05965072436576	-101.5476957	279560.799925314383	4326485.509839316	3403.4145640539963	3287.5385726260465	3304.215341110781	3303.39130924724735	0	0
242	7	4682	-211881.1413	796357.3170250766	39.05966515415767	-101.5453723	279761.906537325	4326481.474738844	3403.8693224049633	3284.1773014790374	3300.496664648671	3299.3036642901634	0	0
243	7	4683	-211221.1413	796357.3170250766	39.05967959307426	-101.5430489	279963.01368114486	4326479.434779451	3408.97820518019	3305.8305180550715	3297.013175566283	3295.703510168496	0	0
244	7	4684	-210561.1413	796357.3170250766	39.05968397911548	-101.5407254	280164.1203696533	4326474.310865728	3396.1051346221183	3270.5017871232185	3293.326898757583	3291.75170680302	0	0
245	7	4685	-209901.1413	796357.3170250766	39.0596974288835	-101.5381973	280379.59281188715	4326470.37835557	3394.64972687123	3274.1685510168113	3287.94820112615	3292.469231468257	0	0
246	7	4686	-209241.1413	796357.3170250766	39.059722405427873	-101.5360768	280566.33395724474	4326465.345893251	3390.1057762830455	3270.919315165506	3285.047526336525	3283.1034155678212	0	0
247	7	4687	-208581.1413	796357.3170250766	39.05973662995339	-101.5337551	280767.43863371356	4326461.313966484	3390.3816218205095	3267.679835634578	3279.984018888715	3277.96973580023	0	0
248	7	4688	-207921.1413	796357.3170250766	39.05975079053299	-101.5314317	280968.5455265277	4326457.281	3394.74047707763144	3264.480554658955	3275.455573861937	3273.76409087014	0	0
249	7	4689	-207261.1413	796357.3170250766	39.05976490619688	-101.5291082	281169.65116058796	4326453.24949868	3399.162723301698	3261.379555344772	3269.5443751430275	3267.0606672693	0	0
250	7	4690	-206601.1413	796357.3170250766	39.05977897685214	-101.526748	281370.7566	4326449.217699998	3384.5849756270638	3258.307913422331	3263.179324469305	3261.792772508	0	0
251	7	4691	-205941.1413	796357.3170250766	39.059793302897976	-101.524614	281571.861922359	4326445.1869557465	3403.469531076158	3255.365621577917	3256.4182584826787	3253.964182463787	14.14472331637171	14.14472331637171
252	7	4692	-205281.1413	796357.3170250766	39.05981233053518	-101.5221739	281772.190462121965	4326442.15697107	3398.8163054363333	3252.14440957488776	3257.2844777626856	3247.084777626856	3.24626853421226	5.26042095706871
253	7	4693	-204621.1413	796357.3170250766	39.05982090006975	-101.5198145	281974.0732166362	4326437.123204069	3394.163107170075	3249.8926471253494	3242.312700590221	3240.5320780178326	7.579465535128329	9.36056910766684
254	7	4694	-203961.1413	796357.3170250766	39.059834811382665	-101.517491	282175.17645007337	4326433.9902156625	3389.50909021404	3247.431895	3235.16774647141	3235.964752506126	13.65678125318299	13.65678125318299
255	7	4695	-203301.1413	796357.3170250766	39.05984865779291	-101.5151676	282376.280863144	4326429.061	3389.569446118778	3245.180236839671	3228.117321	3232.0657063843	17.06297560431085	18.14454080282803
256	7	4696	-202641.1413	796357.3170250766	39.059862459327476	-101.5128441	282577.3806050363	4326425.030734847	3384.5209261712946	3243.17821871621	3221.015994257919	3220.2254255624627	22.1792137301953	22.1792137301953
257	7	4697	-201981.1413	796357.3170250766	39.05987622	-101.5105207	282778.4890433402	4326420.9993773945	3398.116871287124	3241.287452371095	3223.80917100282	3217.4782521662757	28.1050501514752727	28.1050501514752727
258	7	4698	-201321.1413	796357.3170250766	39.0598902776939	-101.5081973	282979.59281188715	4326416.9017184	3395.8927298671298	3239.801552819446	3220.07802112615	3216.489231468257	33.3217325893108	34.377439869817
259	7	4699	-200661.1413	796357.3170250766	39.0599035946762	-101.5058738	283180.6836651587	4326412.938696358	3390.811338871434	3238.04976998785	3216.95733538206	3216.95733538206	41.0922365395904	41.0922365395904
260	7	4700	-200001.1413	796357.3170250766	39.05991721670821	-101.5035504	283381.799704532	4326408.90809058	3392.2406791131534	3236.6045882811636	3216.42543437155	3216.42543437155	50.17915384	51.11219453
261	7	4701	-199341.1413	796357.3170250766	39.0599307	-101.5012269	283582902	4326404.87883057	3394.550224343534	3235.2432578528787	3217.05804564292	3217.05804564292	60.56844157267826	60.56844157267826
262	7	4702	-198681.1413	796357.3170250766	39.05994432614372	-101.4989035	283784.0057459166	4326400.84907321	3389.85979657574	3233.94082698379	3215.8010202416162	3218.16658142467327	48.14700459	52.822108050603
263	7	4703	-198021.1413	796357.3170250766	39.059958735134769	-101.49698	283985.108454977	4326398.581498504	3391.818995328372	3232.709387675836	3216.930413597522	3216.930413597522	58.730740745151	58.730740745151
264	7	4704	-197361.1413	796357.3170250766	39.05997125607578	-101.4942566	284186.21093191626	4326392.79888327	3395.61013674451	3231.5189997828765	3215.792797454503	3215.792797454503	68.35177010084539	68.35177010084539
265	7	4705	-196701.1413	796357.3170250766	39.05998462742462	-101.4917824	284387.4692742462	4326388.338145452	3398.338145452	3230.438145452	3214.78271715952	3214.78271715952	78.35177010084539	78.35177010084539
266	7	4706	-196041.1413	796357.3170250766	39.05999805054046	-101.489096	284584.5162608026	4326384.73142073	3396.184642131144	3229.25476489225	3213.106739141695	3210.06880004281	141.5250575505567	141.5250575505567
267	7	4707	-195381.1413	796357.3170250766	39.06001311440426	-101.4872862	284789.571142514	4326380.702	3401.823849675605	3228.17254288717	3219.30241782296	3202.371629252465	180.7313206	25.80913602570544
268	7	4708	-194721.1413	796357.3170250766	39.06002547724864	-101.484927	284990.61875009376	4326376.91651822	3412.71476301184	3221.182531859745	3202.67476448454	3202.67476448454	244.829585633879	244.829585633879
269	7	4709	-194061.1413	796357.3170250766	39.06003779557665	-101.4826393	285191.72013							

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElev	LogKrg.f	BRIElev	BothKrg.f	SatThKrg.f	SatThBoth.f
349	7	4789	-141261.1413	7963537.3170250766	39.06094984706557	-101.2967603	301279.1650525794	4326050.888117583	3350.3163070050196	370.8171054098507	3203.812229108875	3208.5295841308583	0	0	
350	7	4790	-140601.1413	7963537.3170250766	39.0605959430180645	-101.2944368	301480.2497272377	4326046.872842648	3348.593316842418	370.1974857152014	3201.5389144226907	3202.53245339373	0	0	
351	7	4791	-139841.1413	7963537.3170250766	39.06069564507043	-101.2921133	301681.3348659586	4326047.73232587	3348.848921807526	370.618518717046	3201.6399234483353	3202.689871813775	0	0	
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ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft	
601	7	5041	25085.8866730335	796357.3170250766	39.06194545403429	-100.7112228	31564.9254	4235044.232112951	2893.089226969971	2636.660825027305	2797.1203690973216	2796.183243195966	3040.582127940895	40.47776390474695
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629	7	5069	43538.8586730335	796357.3170250766	39.061880149511574	-100.646187	357576.852	4234932.92178514	2916.3171825042	2797.8045712264	2760.03773366779	27.59826731366779	38.28539695474204	38.28539695474204
630	7	5070	44198.8586730335	796357.3170250766	39.0618771664564	-100.643927	357777.12719917	4234928.05749727	2917.128457185795	2796.953012359513	2757.101233955143	27.570773236577	39.4040071002729	39.1856301002729
631	7	5071	44858.8586730335	796357.3170250766	39.06187413851908	-100.6415155	357978.12833401724	4234925.0348781	2910.946740179606	2796.154368082018	2756.516783795674	27.565182507	39.4040071002729	39.1856301002729
632	7	5072	45518.8586730335	796357.3170250766	39.06187107	-100.639192	358179.162650973	4234917.114374921	2919.19454943921	2795.2735690527981	2756.2445332266	27.564200563925039	39.82630644126975	39.82630644126975
633	7	5073	46178.8586730335	796357.3170250766	39.06186784900063	-100.6368684	358380.2044443506	4234917.145450711	2907.43942497486	2794.348930000115	2756.400807	27.564200563925039	39.82630644126975	39.82630644126975
634	7	5074	46838.8586730335	796357.3170250766	39.06186478543031	-100.6345448	358581.2416932303	4234913.17667159	2905.648044158604	2793.343939415804	2755.687513741871	27.564200563925039	39.82630644126975	39.82630644126975
635	7	5075	47498.8586730335	796357.3170250766	39.06186157975096	-100.6322212	358782.2752047038	4234909.20861441	2904.690981709846	2792.366688172613	2754.3942972390175	27.564200563925039	39.82630644126975	39.82630644126975
636	7	5076	48158.8586730335	796357.3170250766	39.0618583622719	-100.629877	358983.316294031	4234905.239614862	2903.940529817432	2791.3117825042	2753.171089340424	27.564200563925039	39.82630644126975	39.82630644126975
637	7	5077	48818.8586730335	796357.3170250766	39.06185503	-100.6275741	359184.3581645785	4234901.2327706	2902.72785959934	2790.239830594598	2749.46081559045	27.564200563925039	39.82630644126975	39.82630644126975
638	7	5078	49478.8586730335	796357.3170250766	39.0618516633296	-100.625205	359385.3900715333	4234897.30320369	2899.7963043145583	2789.09265778489	2747.24536133361	27.564200563925039	39.82630644126975	39.82630644126975
639	7	5079	50138.8586730335	796357.3170250766	39.06184829935904	-100.622927	359586.427881326	4234893.3324138	2898.35568017877	2787.935238807078	2745.717957729387	27.564200563925039	39.82630644126975	39.82630644126975
640	7	5080	50798.8586730335	796357.3170250766	39.06184437	-100.6206034	359787.4647091973	4234889.36471408	2896.95660506018	2786.72667895951	2744.888162148139	27.564200563925039	39.82630644126975	39.82630644126975
641	7	5081	51458.8586730335	796357.3170250766	39.06184189	-100.6182798	359988.501400959	4234885.39904965	2895.4553937347	2785.50080693209	2741.81254549804	27.564200563925039	39.82630644126975	39.82630644126975
642	7	5082	52118.8586730335	796357.3170250766	39.0618378691363	-100.6159662	360189.5379561655	4234881.432796155	2894.0058157886216	2784.33424312987	2740.13880849513048	27.564200563925039	39.82630644126975	39.82630644126975
643	7	5083	52778.8586730335	796357.3170250766	39.0618348291363	-100.6136527	360390.5379561655	4234877.432796155	2893.058157886216	2783.284324312987	2739.13880849513048	27.564200563925039	39.82630644126975	39.82630644126975
644	7	5084	53438.8586730335	796357.3170250766	39.06183190130225	-100.6113091	360591.610661363	4234873.432796155	2892.01046719598	2782.1871329119598	2738.04103694307	27.564200563925039		

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	WtLr.	BRiElevKgr.f	BRiElevBothKgr.f	SatThKgr.f	SatThBoth.f
727	5167	10808.85867307335	796357.3170250766	39.06134744873993	-100.1845838	727277.1703203393	42435444.78993487	23747.8724418219057	26.79	265.1613324214843	2622.2376948453816	2621.787537136045	57.474138378
728	5168	10808.85867307335	796357.3170250766	39.06136171522074	-100.4161303	37478.195955135	3524540.3686589	2731.444958	26.78	265.2930445850296	2625.190779121498	2624.7048462543525	53.58020250217228
729	5169	10808.85867307335	796357.3170250766	39.06136989144287	-100.190607	27679.2214699514	4243543.3683	2238.071673404634	26.78	265.321197776843	2626.4449334583278	2628.021571359133	48.90153842273933
730	5170	10808.85867307335	796357.3170250766	39.06137520247667	-100.414832	37880.24665111245	3524532.929817899	2734.60489584789	26.75	264.5142682338	2634.321029363956	2634.0917258097365	41.2402174554229
731	5171	10808.85867307335	796357.3170250766	39.06134474638107	-100.4091596	37808.21274340464	4243528.977	2734.62836866296	26.74	264.17898757238	2643.843471739587	2644.289384186542	30.286557017651092
732	5172	111518.85867307335	796357.3170250766	39.0613471430855	-100.4068361	378282.2973041698	4243525.03881642	2726.074713580955	26.72	264.2738047573	2654.1410538737401	2655.3856513739115	16.37526673731386
733	5173	111518.85867307335	796357.3170250766	39.061329583306765	-100.4045126	378483.3223476122	4243525.071156029	2728.101785185184	26.71	264.26938071428	2652.045154456933	2652.880932035872	19.27953875121514
734	5174	11238.85867307335	796357.3170250766	39.06132186782649	-100.402189	378684.372739367	4243517.11859207	2726.175707851825	26.69	264.94836325223	2649.112507969931	2649.6336230237657	20.25843303
735	5175	11349.85867307335	796357.3170250766	39.06131419246776	-100.3966855	378858.3726385267	4243513.136	2730.151351161595	26.68	265.425995514185	2646.4458465512174	2648.5219358512174	22.033652002144375
736	5176	114158.85867307335	796357.3170250766	39.0613046423057	-100.3975149	378966.387760501	4243509.213943127	2730.072905758447	26.66	265.99589113702	2644.484539678354	2647.779650574135	22.2170826526893
737	5177	114158.85867307335	796357.3170250766	39.06130865711455	-100.3952184	379287.2413522459	4243506.21607111	2725.994406119286	26.65	265.82406119286	2641.640464207069	2642.1382774617307	23.390158362879447
738	5178	115148.85867307335	796357.3170250766	39.06129083712093	-100.392849	379488.4458217379	4243501.30995274	2723.916150345215	26.64	264.04879	2637.1608718710577	2638.10834941429	26.887925795382216
739	5179	116138.85867307335	796357.3170250766	39.0612826224849	-100.3905713	379689.470155938	4244497.35819693	2723.51323411981	26.62	264.1302655407	2633.605898432157	2635.0113431443389	25.54997717010665
740	5180	116798.85867307335	796357.3170250766	39.06127504249768	-100.3882478	379890.4943834245	4244493.46062793	2723.0118241691	26.61	264.068497198935	2631.277234148939	2632.913526997373	29.78961557095454
1	8	5181	-70941.1413	797017.3170250766	39.05670227856768	-102.1053188	3741252.3780748703	423269.5530374042	470.8250450885893	3899.966239073493	3909.550187429926	3909.143846402083	0
2	8	5182	-370281.1413	797017.3170250766	39.0567274810399	-102.102996	231.4835423337707	427265.48	4068.333377048777	3898.05987130322	3911.32023859999	3909.498972051445	0
3	8	5183	-369621.1413	797017.3170250766	39.05675263277271	-102.1006724	231684.78012602394	427265.48	4059.532089819726	3887.2513725134586	3901.7759900204997	3907.730334003193	0
4	8	5184	-368961.1413	797017.3170250766	39.0567774257379	-102.0983493	231895.8728	4273647.33355237	4053.412187172464	3885.892745847275	3906.692395364205	3903.897201767447	0
5	8	5185	-368301.1413	797017.3170250766	39.0568028075023	-102.0960261	232097.0371166378	427264.361006306	4047.3102835427662	3884.52967025404	3903.247657198292	3901.67852252224	0
6	8	5186	-367641.1413	797017.3170250766	39.05682872757296	-102.0937209	232298.2010542817	427263.188324783	4041.199378682865	3883.163158010866	3901.457979888736	3900.23412673776	0
7	8	5187	-366981.1413	797017.3170250766	39.05685280270884	-102.0913797	232499.5603342725	427263.115801748	4034.75139	3881.792274617331	3899.7670875477307	3899.07732370214	0
8	8	5188	-366321.1413	797017.3170250766	39.05687773310103	-102.089656	232700.526956803	427263.104346199	4027.96531368179	3880.41747462538	3904.291595660338	3903.71519582158	0
9	8	5189	-365661.1413	797017.3170250766	39.05690114926305	-102.087965	232911.581983308	427263.971899212	4020.84596828056	3879.545079144727	3891.919030144727	3893.29446749206	0
10	8	5190	-365001.1413	797017.3170250766	39.05692745915768	-102.0844101	233102.85424991	427262.89732536	4014.3961640453344	3877.6537934173703	3889.473616002345	3889.21596241853	0
11	8	5191	-364341.1413	797017.3170250766	39.056952254884116	-102.0820869	233304.0176918822	427263.827429392	4008.477319377358	3876.2637261983827	3887.358383	3888.05517027783	0
12	8	5192	-363681.1413	797017.3170250766	39.0569700574253	-102.079737	233505.1801413366	427261.75572715	4007.234713605974	3874.8676791780795	3883.1067295942903	3884.0242846428	0
13	8	5193	-363021.1413	797017.3170250766	39.0570011713292	-102.0774405	233706.34243185108	427261.68424392	4004.7221073340626	3873.465557	3881.89348626751	3882.988419101896	0
14	8	5194	-362361.1413	797017.3170250766	39.05702637	-102.0751173	233907.5044052387	427260.612901712	4002.209502623283	3872.0572570711975	3883.134132145457	3884.4239289287	0
15	8	5195	-361701.1413	797017.3170250766	39.0570468189364	-102.065515	234108.6681144982	427261.441727373	4000.84596828056	3870.545079144727	3881.919030144727	3883.29446749206	0
16	8	5196	-361041.1413	797017.3170250766	39.0570704708	-102.063919	234309.475598376	427261.47074047	4000.628901719036	3869.421981731905	3874.032901736915	3876.4971173354570	0
17	8	5197	-360381.1413	797017.3170250766	39.057100087013055	-102.0618147	234510.98874146427	4272594.39980804	4000.412549933183	3867.7941643744525	3873.904003148153	3875.546749115866	0
18	8	5198	-359721.1413	797017.3170250766	39.0571254866522	-102.0582244	234712.254866522	427259.329209325	4000.196202372725	3866.3599876248927	3878.253971340439	3879.8474794373387	0
19	8	5199	-359061.1413	797017.3170250766	39.0571490054371	-102.0635012	234913.3103133897	4272586.258704281	3997.48549631004	3864.919008977122	3876.354996925267	3874.444223212084	0
20	8	5200	-358401.1413	797017.3170250766	39.05717339735647	-102.0611178	235114.4707069038	4272582.188367039	3992.289175115375	3863.4717893759757	3875.1432826331024	3876.83402632916	0
21	8	5201	-357741.1413	797017.3170250766	39.0571977440086	-102.0588458	235315.6303490444	427257.781879201	3987.0889519997524	3862.0185216733907	3873.910933203805	3875.4653756982852	0
22	8	5202	-357081.1413	797017.3170250766	39.0572220457876	-102.0565515	235516.7907104218	427274.04819475	3981.61612341448973	3872.19087020406	3872.36446749206	3872.36446749206	0
23	8	5203	-356421.1413	797017.3170250766	39.05724630388416	-102.0542083	235717.9503045635	427259.78369965	3979.20506873441	3869.09426956365	3870.865459382894	3872.43143438282	0
24	8	5204	-355761.1413	797017.3170250766	39.05727051632303	-102.0518851	235919.1096400072	4272565.9080076	3970.2899735268	3867.633502481434	3869.187476216159	3870.682616303075	0
25	8	5205	-355051.1413	797017.3170250766	39.05729643893296	-102.0495619	236120.627528088	4272561.839191716	3964.28937412951	3856.1627145738203	3867.1391601657397	3868.5604965487487	0
26	8	5206	-354441.1413	797017.3170250766	39.057318805594935	-102.0472386	236321.472456822	4272557.76968872	3958.2887823476063	3854.687296829164	3864.545425	3865.901307969393	0
27	8	5207	-353781.1413	797017.3170250766	39.05734288442786	-102.0449154	236522.5890841525	4272563.390283058	3945.06716067798	3853.206841682234	3860.753132165386	3862.2306339683873	0
28	8	5208	-353121.1413	797017.3170250766	39.05736691735027	-102.0429522	236723.744392876	427256.6131694989	3934.55451070438	3851.7204297208	3856.8173671387	3858.24673433029	0
29	8	5209	-352461.1413	797017.3170250766	39.0573914402576	-102.040678	236924.8402576	427256.7545483	3923.453483	3849.545079144727	3853.432901736915	3852.432901736915	0
30	8	5210	-351801.1413	797017.3170250766	39.05741448471412	-102.037957	237126.060197628	4272541.494	3915.599210756765	3848.73030988386	3847.1284716395727	3848.3584017331924	1.4455935843334462
31	8	5211	-351141.1413	797017.3170250766	39.0574387408374	-102.0356225	237327.2178087103	427253.425702374	3947.226525290419	3841.990757683226	3843.0171621692257	3843.0171621692257	0.420909211193407
32	8	5212	-350481.1413	797017.3170250766	39.0574620057257	-102.0332993	237528.37505920415	427253.37373512	3946.241952335466	3845.761260591183	3836.5888782793645	3837.826724	1.92244779753816
33	8	5213	-349821.1413	797017.3170250766	39.0574864914028	-102.030976	237729.5324926988	4272529.289	3941.49796707283	3844.2053466085123	3830.6343010745983	3831.61680905123	13.571023586579995
34	8	5214	-349161.1413	797017.3170250766	39.057510173294396	-102.0286528	237930.688790685	427252.21217745	3936.7940410825113	3838.093968374145	3824.454120267495	3826.97816336897	15.714260005172603
35	8	5215	-348501.1413	797017.3170250766	39.05753681825116	-102.0263295	238131.8462883706	4272521.153389698	3928.2603678749328	3831.1782675979	3818.119991	3818.7283882692894	46.75871948698256
36	8	5216	-347841.1413	797017.3170250766	39.0575575658795	-102.0240063	238333.014587227	427217.08731215	3919.0169701821	3829.66042342092	3817.112536285435	3812.1591734557373	72.90917471

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	Sat3DLogKrg.ft	Sat3DBothKrg.ft	
113	8	5293	-297021.1413	79017.3170250766	39.59245719572104	-101.8451124	253821.26566779393	4327204.377826529	3722.8906640660166	3682.617012384088	3593.396884	3590.8048294848575	38.2302350557775	91.8121833622035
114	8	5294	-296361.1413	79017.3170250766	39.59565869365795	-101.8427891	254002.4022424002	4327200.321396095	3719.6179567151537	3680.078904834433	3589.5553971653395	3587.934296244433026	39.52500715809339	92.68464433660238
115	8	5295	-295701.1413	79017.3170250766	39.59369022897616	-101.8404456	25424.3867337435	4327193.284723435	3716.335718627535	3677.5292115478357	3588.2469127875837	3583.630355045738	38.26248133091807	93.95815550211669
116	8	5296	-295001.1413	79017.3170250766	39.59303610723615	-101.8381424	254424.6746611043	4327192.214435545	3713.045630213433	3674.968688177797	3580.7464261326318	3579.8047120474264	38.2216704041795	94.8677603750335
117	8	5297	-294381.1413	79017.3170250766	39.593326146722654	-101.835819	254625.81060538243	4327188.160333909	3709.7549351760495	3672.395625719732	3575.311368782545	3574.990054005682	37.08425693718709	97.4051217144098
118	8	5298	-293721.1413	79017.3170250766	39.59334611432677	-101.8334957	254826.94266046278	4327186.130340265	3706.4426351506557	3669.8120291866026	3570.13006877603	3569.865761583104	37.022230899947	99.9463126035016
119	8	5299	-293061.1413	79017.3170250766	39.59360360105838	-101.8311723	255028.0815605739	4327180.505231288	3705.914837525128	3667.275438414783	3570.02712228706	3569.715100481825	37.19687175544132	97.5023445
120	8	5300	-292401.1413	79017.3170250766	39.59385959917457	-101.828849	255229.21680688285	4327175.959813513	3706.706700595748	3664.61235888407	3572.6548340394323	3572.5274418002386	39.156740179497488	92.8047940818656
121	8	5301	-291741.1413	79017.3170250766	39.59405855940405	-101.8265256	255450.3515542287	4327171.91345	3704.2986459849895	3662.52987131013	3574.777311291578	3572.6186590185538	37.11865901721006	97.5258271
122	8	5302	-291081.1413	79017.3170250766	39.59425571017953	-101.8242022	255651.4861854842	4327167.89153395	3712.4905313290355	3659.3691817422864	3576.437178597174	3576.432064617335	82.520027851222	82.520027851222
123	8	5303	-290421.1413	79017.3170250766	39.5944545125922	-101.8218789	255832.62056476105	4327163.893	3711.855021513986	3566.732169881444	3577.696424643634	3577.696424643634	90.30574524	79.0215511339393
124	8	5304	-289761.1413	79017.3170250766	39.59465166627845	-101.8195555	256033.7547197737	4327159.786061239	3710.9231216558014	3564.085120654401	3578.610879160504	3578.6459254339616	75.4741327399111	75.4741327399111
125	8	5305	-289101.1413	79017.3170250766	39.5948484712375	-101.8172322	256234.88682773874	4327156.73206493	3704.98291599266	3561.4828215093155	3579.390889177884	3579.7515150052027	72.0732590142135	71.67670004011334
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129	8	5309	-286461.1413	79017.3170250766	39.5956312037954	-101.8079387	257039.4218388843	4327139.523746742	3691.42270623115	3564.701274451378	3570.061136033068	3574.084680798554	70.341381831002	66.1619325628212
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131	8	5311	-285141.1413	79017.3170250766	39.5960198777022	-101.803292	257441.68700017853	4327131.41987698	3685.2705688131923	3563.106037	3563.4842438643096	3563.4842438643096	72.1645321004251	71.7881728970269
132	8	5312	-284481.1413	79017.3170250766	39.5962133415616	-101.8009868	257642.8192	4327127.3898368	3678.0730957418	3632.53833913287	3559.5707341780094	3559.5707341780094	72.96760573591928	72.96760573591928
133	8	5313	-283821.1413	79017.3170250766	39.5964067566033	-101.7986452	257843.9512000735	4327123.16982984	3627.860104	3627.94965526837	3556.071608276576	3556.071608276576	73.733279007955	73.733279007955
134	8	5314	-283161.1413	79017.3170250766	39.5965965230891	-101.7963218	258045.0824138254	4327119.26559051	3627.249806005107	3529.704573519513	3552.36055263741	3552.36055263741	74.6800211821033	74.6800211821033
135	8	5315	-282501.1413	79017.3170250766	39.5967863223884	-101.7940615	258246.9622459187	4327115.14694933	3626.473682919681	3527.6473682919681	3551.3682919681	3551.3682919681	75.714452719176	75.714452719176
136	8	5316	-281841.1413	79017.3170250766	39.5969837096336	-101.7916751	258447.3457047964	4327111.163304487	3625.917945713071	3527.499217545547	3544.643821259781	3544.643821259781	76.855336347723	76.855336347723
137	8	5317	-281181.1413	79017.3170250766	39.59717512899006	-101.7893517	258648.4767261094	4327107.11210425	3655.90135617051	3518.7215647762	3541.519322654715	3541.519322654715	77.1930929934703	76.912734849668
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139	8	5319	-279861.1413	79017.3170250766	39.597562441136	-101.7847409	259050.7380550274	4327099.012	3648.302144724305	3513.90106623403	3535.15399246236	3535.15399246236	77.9551613861672	77.9551613861672
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141	8	5321	-278541.1413	79017.3170250766	39.5979363223884	-101.7800615	259458.963223884	4327090.91190676	3638.4176817792273	3507.468173748737	3529.71728984	3529.71728984	79.7196877674769	79.7196877674769
142	8	5322	-277881.1413	79017.3170250766	39.59813142954085	-101.7777348	259658.1265914434	4327086.916277459	3633.54320754438	3525.511940458519	3524.1951044212783	3524.1951044212783	80.4122104907722	80.4122104907722
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146	8	5326	-275241.1413	79017.3170250766	39.5988771877116	-101.7684412	260458.64520171777	4327070.66304003	3612.58872524974	3503.96453741258	3503.584650973559	3503.584650973559	89.61180276769937	88.8157041185924
147	8	5327	-274581.1413	79017.3170250766	39.5990645116424	-101.7661178	260659.738440472	4327066.61390518	3608.206430031554	3500.3093740297018	3497.6113736273187	3498.25419235313	92.69800135648037	91.9829573838893
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150	8	5330	-272601.1413	79017.3170250766	39.59962275784144	-101.7591477	261263.1583056125	4327054.467132725	3584.0948405426106	3501.57908349293	3492.09809764169	3492.09809764169	103.592346734173	103.592346734173
151	8	5331	-271941.1413	79017.3170250766	39.5998078957689	-101.7568243	261464.286462698	4327050.41905296	3581.618392244677	3578.648678117466	3475.3589411273288	3475.3589411273288	105.82893738441789	105.82893738441789
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156	8	5336	-268641.1413	79017.3170250766	39.600726854347	-101.7452073	262469.9208918706	4327030.12729885	3586.187225405805	3563.852928324034	3474.43243265229	3474.43243265229	130.05542823914	130.05542823914
157	8	5337	-267981.1413	79017.3170250766	39.6009209984845	-101.7428839	262671.4027273687	4327026.131766373	3580.23919196149	3560.867100638246	3476.0749048337147	3476.0749048337147	135.8462592278395</	

ix	iy	x	Y.f	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatThkLogs.	SatThkBoth.
238	5419	-213861.1413	797017.3170250766	39.06143427430205	-101.5523612	279162.6222768767	4326694.8054810595	3411.2799676488203	3294.719395661637	3317.4989891408915	3317.595615930517	0	0
240	5420	-213201.1413	797017.3170250766	39.06144879421132	-101.5500377	279363.7297638325	4326690.7718039439	3410.520930874247	3291.3625050486003	3313.8064728535532	3313.6059397813341	0	0
241	5421	-212541.1413	797017.3170250766	39.06143392639718	-101.5477143	279654.6733292743	4326696.738033526	3408.7618849983526	3310.0307794547872	3309.421205736617	3309.421205736617	0	0
242	5422	-211881.1413	797017.3170250766	39.06147769940058	-101.5453078	279765.9440834376	4326682.704638181	3408.002573250993	3284.67051883297	3305.1629519026504	3305.574777930704	0	0
243	5423	-211221.1413	797017.3170250766	39.0614260486048	-101.5430673	279967.590183575	4326678.671789508	3407.183661278721	3281.35515	3303.5243479587093	3302.33317044715	0	0
244	5424	-210561.1413	797017.3170250766	39.061506425083884	-101.5407438	280168.1575350966	4326674.638781302	3404.30430596037	3278.062222	3299.992301943488	3298.502371640215	0	0
245	5425	-209901.1413	797017.3170250766	39.061520726017835	-101.5384203	280369.2640347687	4326670.605938647	3401.424950642353	3274.974555436963	3296.163047399415	3294.4228294342625	0	0
246	5426	-209241.1413	797017.3170250766	39.061534971268095	-101.5360968	280570.3702	4326666.573260447	3398.545595324169	3271.56759068513	3291.911344383189	3290.420292843678	0	0
247	5427	-208681.1413	797017.3170250766	39.061548917704179	-101.5337733	28077.47878564	4326662.540749792	3398.495662749775	3268.381063578508	3287.248687492445	3285.503687939113	0	0
248	5428	-207921.1413	797017.3170250766	39.06155333733885	-101.5314498	280872.9713365704	4326656.508404971	3402.938529191584	3265.248425942925	3282.475723168426	3280.046236382039	0	0
249	5429	-207261.1413	797017.3170250766	39.061577453859204	-101.5291263	281173.6874672483	4326654.472267596	3406.824143088553	3262.13808069898	3276.586999	3274.24191038932416	0	0
250	5430	-206601.1413	797017.3170250766	39.0615919512510299	-101.5268028	281374.79278480995	4326650.4442128055	3410.7114325765567	3259.201018945337	3270.229621430023	3268.039176702703	0	0
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253	5433	-204621.1413	797017.3170250766	39.06163499273931	-101.5198323	281978.10443278	4326638.349188142	3401.75679068513	3250.96683734878	3249.352045600238	3247.5345354100303	1.8067916445499104	3.426448301784946
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257	5437	-201981.1413	797017.3170250766	39.061688766561024	-101.5105383	282782.5238763886	4326622.224726973	3405.316134482752	3242.2759020979114	3219.476882838462	3218.8249274699988	22.799019259455235	23.351615004091866
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259	5439	-200661.1413	797017.3170250766	39.06171614594205	-101.5058913	283164.730955748	4326614.163554993	3408.400702362138	3238.885094746805	3202.527556608408	3201.479233444538	36.35754168839722	37.405247133267095
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261	5441	-199341.1413	797017.3170250766	39.0617524303576	-101.4710368	283601.2561	4326581.925325837	3418.70089113238	3229.5378197465053	3216.813974450053	3214.0722748813	62.867558545192	64.867558545192
262	5442	-198681.1413	797017.3170250766	39.06175687843788	-101.4895208	283788.038205113	4326580.02786111	3397.542740606444	3234.561731874192	3191.081919800714	3196.93302023648	43.4729748907786	47.62783714505142
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267	5447	-195381.1413	797017.3170250766	39.06182638	-101.4873032	284793.558372154	4326581.925325837	3418.70089113238	3229.5378197465053	3216.813974450053	3214.0722748813	62.867558545192	64.867558545192
268	5448	-194721.1413	797017.3170250766	39.061831711749608	-101.4849737	284954.851734367	4326577.896322737	3422.487288118903	3227.567315592354	3222.567315592354	3217.567315592354	12.0788978100284	12.0788978100284
269	5449	-194061.1413	797017.3170250766	39.06185035023164	-101.4826562	285195.7503470028	4326573.867	3424.982476751037	3226.3811607767952	3224.200456932377	3206.2725424685964	2.41103853018194	2.1006813809189857
270	5450	-193401.1413	797017.3170250766	39.06186352	-101.4803327	285396.8540871495	4326578.837604477	3428.119271420894	3225.37137865051	3225.302642	3206.2725424685964	2.41103853018194	2.1006813809189857
271	5451	-192741.1413	797017.3170250766	39.06187665256414	-101.4780092	285597.58495157487	4326565.810227849	3427.8855205698013	3224.310418490907	3221.737440436115	3209.552904403133	0	0
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273	5453	-191421.1413	797017.3170250766	39.06190275387715	-101.4735621	286000.1558390742	4326557.75369567	3420.542085261216	3222.3224411198184	3223.488975970663	3209.6304326387	0	0
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275	5455	-190101.1413	797017.3170250766	39.06192871870215	-101.4687151	286402.3611613723	432655.4989773381	3411.575784961373	3220.3891954010387	3223.9632280619193	3208.039470178772	0	0
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280	5460	-186801.1413	797017.3170250766	39.061992761734495	-101.4570795	287407.8527767676	4326529.50087983	3381.526931377781	3215.865424290016	3221.844073391183	3207.735446730968	0	0
281	5461	-186141.1413	797017.3170250766	39.061992761734495	-101.4570795	287407.8527767676	4326529.50087983	3381.526931377781	3215.865424290016	3221.844073391183	3207.735446730968	0	0
282	5462	-185481.1413	797017.3170250766	39.0620181069545	-101.4542504	287810.5011304567	4326525.4989773381	3373.913117173505	3214.1652891186754	3221.844073391183	3207.735446730968	0	0
283	5463	-184821.1413	797017.3170250766	39.06203068664696	-101.4501269	288011.1484167567	4326517.480755628	3371.067370525019	3213.33573680811	3229.484657572735	3205.862157807905	0	0
284	5464	-184161.1413	797017.3170250766	39.06204324	-101.4478034	288212.2465	4326513.4545759925	3369.1325107530156	3212.516976115905	3235.33009002997	3203.028247094256	0	0
285	5465	-183501.1413	797017.3170250766	39.06205574263099	-101.4454799	288413.34439718525	4326509.428161924	3367.20739135015	3211.7025939430512	3235.562585889357	3199.9887109194155	0	0
286	5466	-182841.1413	797017.3170250766	39.062068198197174	-101.4431563	288614.402473155	4326505.402113406	3365.27790973867	3210.906020888403	3233.774931313614	3196.61265193478	0	0
287	5467	-182181.1413	797017.3170250766	39.0620806888818	-101.4408328	288815.53864299656	4326501.376238436	3363.048944869584	3210.1135316717827	322			

ix	iy	x	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevLog.f	SatThkLog.s	SatThkBoth.f
365	8545	-1370701.1413	797017.3170250766	39.06291037299261	-101.2559954	304500.5168698447	4326187.866790732	3335.002012286782	3160.5439055026995	3199.03396	3202.628613159895	0	0
366	8546	-130041.1413	797017.3170250766	39.06291923826504	-101.2527218	304701.5985172082	4326183.36539229	3333.834372628886	3159.842210388534	3197.294960629072	3200.937151583385	0	0
367	8547	-129081.1413	797017.3170250766	39.06291658696928	-101.2545868	304879.6797390118	4326179.8412986518	3332.2312743810387	3194.17383565087	3198.797153	3198.797153	0	0
368	8548	-128721.1413	797017.3170250766	39.06293683423231	-101.2526206	305103.7612350313	4326175.82890034	3330.19265709171	3158.451815809137	3191.6700349508374	3196.439892427694	0	0
369	8549	-128601.1413	797017.3170250766	39.0629456488711	-101.253031	305304.8423071023	4326171.814662328	3328.154060214802	3157.692296346584	3188.958676713364	3189.887902572316	0	0
370	8550	-127401.1413	797017.3170250766	39.06294525	-101.2479775	305505.923801811326	4326176.864049313	3326.115433435863	3156.962237235613	3185.6439804024944	3191.885871205504	0	0
371	8551	-126741.1413	797017.3170250766	39.06296289	-101.2456539	305707.0038771345	4326163.79204668	3324.2011277635226	3156.224060646854	3183.578305202466	3190.098871279065	0	0
372	8552	-126081.1413	797017.3170250766	39.06297148757604	-101.2433303	305908.0843750593	4326159.78943944	3322.041150308752	3155.478486140777	3181.5702926822446	3187.255323780161	0	0
373	8553	-125421.1413	797017.3170250766	39.0629804	-101.2416067	306109.1646825014	4326156.788789509	3320.62172854601	3154.720781386026	3184.5797861224564	3184.5797861224564	0	0
374	8554	-124761.1413	797017.3170250766	39.0629854947648	-101.2386831	306310.2448957117	4326151.75728421	3318.83185393145	3153.96411548992	3176.1844776072087	3181.912107	0	0
375	8555	-124101.1413	797017.3170250766	39.062997006355566	-101.2363595	306511.3424265005	4326147.745205103	3317.3568811668474	3153.190607226073	3171.5730813973984	3177.47462408709	0	0
376	8556	-123441.1413	797017.3170250766	39.06300542285536	-101.2340359	306712.4045620265	4326143.734745662	3316.19651061217	3152.411924063063	3165.49651798129	3172.079561854166	0	0
377	8557	-122781.1413	797017.3170250766	39.06301379447578	-101.2317124	306913.8140105985	4326136.739724	3315.03613895587	3151.625738247087	3162.774605933343	3169.205142085955	0	0
378	8558	-122121.1413	797017.3170250766	39.06302212116825	-101.229388	307114.5634618151	4326135.712881354	3313.87576749957	3150.832257912597	3160.113763817185	3166.344411865036	0	0
379	8559	-121461.1413	797017.3170250766	39.06303040307851	-101.2270652	307315.6426290152	4326131.702196479	3312.544379443862	3150.031588	3157.5067597053576	3163.50226818515	0	0
380	8560	-120801.1413	797017.3170250766	39.06303864096077	-101.2247416	307516.7216048046	4326127.691674441	3311.0419737418047	3149.223026606265	3155.588356095734	3160.671038962043	0	0
381	8561	-120141.1413	797017.3170250766	39.06304683216383	-101.222418	307710.8092353597	4326123.681321236	3309.53698368247	3148.410387103391	3153.078109087675	3157.104768880581	0	0
382	8562	-119481.1413	797017.3170250766	39.06305497938707	-101.220094	307918.71938780	4326119.613075489	3308.03172334689	3147.591203005674	3150.5999107450516	3155.9170845084336	0	0
383	8563	-118821.1413	797017.3170250766	39.06306308173102	-101.2177708	308119.9567400001	4326115.661	3305.96572159544	3146.7666136401394	3148.149317501718	3154.025735625637	0	0
384	8564	-118161.1413	797017.3170250766	39.06307113919556	-101.2154472	308321.0356216944	4326111.651244336	3304.298241512612	3145.39690923385	3145.722533592894	3151.316811780661	0.2143756460109485	0
385	8565	-117501.1413	797017.3170250766	39.06307915178006	-101.2131236	308522.1136543829	4326108.6154882	3304.105242538346	3145.102542538346	3144.828642613165	3151.031331110306	0.2143756460109485	0
386	8566	-116841.1413	797017.3170250766	39.06308711948681	-101.21108	308723.1914986861	4326103.530714225	3297.9812842193483	3144.26388	3142.747141232684	3148.3923415085174	1.789673966465117	0
387	8567	-116181.1413	797017.3170250766	39.06310365012224	-101.208476	308934.622851048	4326102.68585194	3296.4208426858774	3143.742084748774	3141.1454358257	3146.808728369625	3.8430728369625	0
388	8568	-115521.1413	797017.3170250766	39.06311020252577	-101.2061259	309125.346624036	4326095.613449515	3295.90076715957	3142.5733626203396	3137.259461835476	3142.793492486214	5.31390078461744	0
389	8569	-114861.1413	797017.3170250766	39.06311703325766	-101.2038293	309326.4230951369	4326091.454004264	3295.40087612954	3141.727304915456	3134.9654503586224	3140.20683303923424	1.514869944322986	0
390	8570	-114201.1413	797017.3170250766	39.06311854151321	-101.2015957	309527.5009988473	4326087.595405509	3294.899318209255	3140.8660803526363	3134.91842731919	3136.2835339511607	6.924252920717208	4.525246041475611
391	8571	-113561.1413	797017.3170250766	39.063126264821095	-101.1991821	309728.57790537516	4326083.968832347	3293.76651144487	3140.00542921833	3129.688912	3133.7495365931309	10.16544090852393	6.25544980825393
392	8572	-112881.1413	797017.3170250766	39.063133983249415	-101.1968858	309929.6546	4326079.57290084	3292.001676791901	3139.139449020097	3127.475410961843	3131.259422323042	11.1601792582529	7.88002578996474
393	8573	-112221.1413	797017.3170250766	39.06314163679812	-101.194536	310120.7317072024	4326075.82351047	3290.239842681591	3138.26846839985	3126.15150734907	3128.16988112951	13.483054880785	9.4846845871
394	8574	-111561.1413	797017.3170250766	39.0631492454555	-101.1922113	310331.8075059063	4326071.56169759	3287.70042034383	3137.29128	3126.43885856783	3118.6554532810095	15.95422525922	10.95422525922
395	8575	-110901.1413	797017.3170250766	39.063156809256725	-101.1898877	310532.8386837523	4326067.53651391	3286.129416505013	3136.3505749288267	3131.2156090039748	3124.129556374647	15.3481401942228	12.3827935405602084
396	8576	-110241.1413	797017.3170250766	39.06316432166565	-101.1875641	310733.9596374352	4326063.545776733	3285.0313099418446	3131.174296433603	3121.8772102718214	3118.4721290824154	13.73598746972084	0
397	8577	-109581.1413	797017.3170250766	39.06317802196756	-101.1852405	310935.034251618	4326059.5384087805	3280.288719373526	3134.731913680351	3127.258128113678	3119.7037919756804	17.45587194673005	15.010213232670784
398	8578	-108921.1413	797017.3170250766	39.06317923	-101.1829169	311031.161110271376	4326053.5049453	3277.36837104822	3133.780872695786	3131.900691916152	3115.551194565527	18.0759117963417	18.257261032060784
399	8579	-108261.1413	797017.3170250766	39.06319619581815	-101.1805933	311337.1884425968	4326051.32104972	3274.27373352584	3132.889573395906	3124.139476	3113.5554358426184	20.958769586612	19.34504046888816
400	8580	-107621.1413	797017.3170250766	39.06320359330359	-101.178297	311528.26174545178	4326049.515809109	3271.015727	3131.983549477088	3124.1454358257	3115.551194565527	21.483054880785	21.483054880785
401	8581	-106941.1413	797017.3170250766	39.06320124952077	-101.1759461	311728.337206006	4326043.50881897	3267.754080550528	3131.068962721837	3113.00677498181	3112.223160279738295	22.991487463283	22.991487463283
402	8582	-106281.1413	797017.3170250766	39.0632084915253	-101.1736225	311940.4115816157	4326039.501924368	3264.492434159723	3130.152819408312	3107.1884877805383	3109.3267911205	22.96433162773845	22.96433162773845
403	8583	-105621.1413	797017.3170250766	39.06321570380455	-101.1712989	312141.4862579031	4326035.495193496	3262.876123200408	3129.254420004586	3103.872002701484	3105.2717225093022	23.6533178974606	24.0182691426356
404	8584	-104961.1413	797017.3170250766	39.0632228677681	-101.1689753	312342.5607496633	4326031.48862772	3262.905148173287	3128.317044330251	3102.2757230892374	3103.424398938397	26.04132304131616	24.89261134637137
405	8585	-104301.1413	797017.3170250766	39.06322987693914	-101.1666517	312543.6350571037	4326027.482227504	3262.9343172979134	3127.397064350156	3102.2459570918368	3103.32695893816	25.1510726	24.0701051569695
406	8586	-103641.1413	797017.3170250766	39.06323704885024	-101.164281	312744.7091804292	4326023.474908768	3262.579179853414	3126.474992701584	3100.5611210051884	3101.459436964724	25.93781697231116	25.93781697231116
407	8587	-102981.1413	797017.3170250766	39.06324419814864	-101.1619389	312944.8567554965	4326019.45468765	3262.863917834814	3125.9478138498	3100.5611210051884	3101.459436964724	26.04132304131616	26.04132304131616
408	8588	-102321.1413	797017.3170250766	39.063251054468125	-101.1594201	313148.8567554965	4326015.45468765	3262.863917834814	3125.9478138498	3100.5611210051884	3101.459436964724	26.04132304131616	26.04132304131616
409	8589	-101661.1413	797017.3170250766	39.06325789994145	-101.1573573	313347.9304477532	4326011.45826592	3262.54547846386482	3123.695675029247	3092.287983438638	3092.287983438638	26.04132304131616	26.04132304131616
410	8590	-101001.1413	797017.3170250766	39.06326488053495	-101.1550337	313549.0336365925	4326007.45822722	3262.04730876448	3090.165236973366	3090.072902473638	32.5994930905149	32.6864026782724	32.6864026782724
411	8591	-100341.1413	797017.3170250766	39.0632717262482	-101.1527101	313750.07704274104	4326004.42772348	3261.482897107101	3121.8311398799024	3087.855340301742	3087.855340301742	33.795979186105	34.1313686828136
412	8592	-99681.1413	797017.3170250766	39.06327782706245	-101.1503685	313951.1500653905	4325999.42040246	3260.944848713383	3120.4940492487	3086.3840363558	3086.3840363558	34.50924135655074	34.50924135655074
413	8593	-99021.1413											

id	Yr	X.Yr	Yr	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.T	W.L.	BREWLevLog.R	BREWLevLog.R	SatB.Logs.H	SatB.Logs.H
491	8	5671	-4751.14133	79017.7172052676	39.063673971678206	-100.9668206	229835.3586	4256863.54674868	3103.398905519242	2907.482273232846	2984.236503538663	23.16621838182258	23.42307250564109
492	8	5672	-4688.14133	79017.7172052676	39.06367718209472	-100.9644699	330036.417640315	425679.555	3103.57502746325	2906.196374922295	2984.604564839054	23.17012313748123	23.501618711458255
493	8	5673	-4622.14133	79017.7172052676	39.0636846780261	-100.962173	330207.488025247	425676.56296728	3103.57502746325	2904.30045805804935	2983.737400884334	23.166167871656215	23.17064826000126
494	8	5674	-4556.14133	79017.7172052676	39.06368348627084	-100.9598497	330438.5352496065	425671.579016555	3103.57502746325	2903.602798623825	2980.762689229714	23.16603323	23.200688021034005
495	8	5675	-4490.14133	79017.7172052676	39.06368586874053	-100.957672	330639.5880526208	425667.5793003017	3103.57502746325	2902.785140442125	2978.530896727153	23.165930185119213	23.207962725604075
496	8	5676	-4424.14133	79017.7172052676	39.06368827459766	-100.955497	330842.65520274	425663.5793003017	3103.57502746325	2901.793744314329	2977.530896727153	23.1658171322567	23.217181232567
497	8	5677	-4358.14133	79017.7172052676	39.06369255609371	-100.952878	331041.7041961614	425659.5965933	3095.55142042041	2999.79731862568	2969.4481363611674	23.165680149242	23.303536196219538
498	8	5678	-4292.14133	79017.7172052676	39.06369550265656	-100.950551	331242.768476132	425655.60344998	3092.167864918067	2988.52056492758903	2963.6342671439873	23.1654952190926	23.48229266
499	8	5679	-4226.14133	79017.7172052676	39.06369838312766	-100.948215	331443.8237272122	425651.61437753	3090.32983320546	2997.24214925308	2966.957753512497	23.1653091302594	23.48243735405824
500	8	5680	-4160.14133	79017.7172052676	39.0637015	-100.9459079	331644.8841018186	425647.63677585	3091.42069477018	2995.96068782751	2965.422094529453	23.1651287183485	23.47957096036994
501	8	5681	-4094.14133	79017.7172052676	39.06370480544984	-100.943542	331845.941666231	425643.63304492	3092.051011744498	2994.674484817826	2964.5326481	23.16492083537813	23.4802760895623
502	8	5682	-4028.14133	79017.7172052676	39.06370809541599	-100.941287	332046.99520274	425639.63304492	3093.165140442125	2993.785140442125	2963.6342671439873	23.164730927425	23.480918519311678
503	8	5683	-3962.14133	79017.7172052676	39.06370955434698	-100.939357	332248.05616732	425635.65250335	3094.377652569545	2992.80236268236	2962.2909674870415	23.16452728955176	23.478293810343634
504	8	5684	-3896.14133	79017.7172052676	39.0637112033369	-100.936613	332449.113473199	425631.66217178	3094.13999626544	2997.7525694364	2962.4523158168813	23.16435919232417	23.31831171548512
505	8	5685	-3830.14133	79017.7172052676	39.06371428330275	-100.9342897	332650.1703808457	425627.612714969	3094.904232345438	2998.48328374625	2964.96625910162	23.16417823024315	23.36650154019362
506	8	5686	-3764.14133	79017.7172052676	39.0637174135814	-100.931961	332851.2221481103	425623.68233062	3096.274067253343	2998.110628752578	2963.7315891969	23.16395107336023	23.3679039328969

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	LatBoth.ft	LatBoth.ft
617	8	5797	3658.85867307335	797017.3170250766	39.06372504761288	-100.67404025	355167.55652349827	4325181.829483483	2904.4784658969036	2771.322762167174	2774.21760805173125	37.04202613483075	37.04202613483075
618	8	5798	3658.85867307335	797017.3170250766	39.0637226	-100.67178138	355388.5960340585	4325177.1857920998	2904.275718746477	2773.092338863245	2772.864747609372	36.58428099	36.58428099
619	8	5799	3658.85867307335	797017.3170250766	39.0637201306187	-100.669823	355659.6358948818	4325150.88652936	2905.498132929217	2773.029443361325	2773.029443361325	36.05682156308954	36.05682156308954
620	8	5800	37598.85867307335	797017.3170250766	39.06371579275405	-100.6670716	355703.67017889024	4325169.915374537	2908.135123466354	2771.1786930325093	2771.86383345454	35.1066730007442	35.1066730007442
621	8	5801	38258.85867307335	797017.3170250766	39.0637150006828	-100.6647479	355971.7143027151	4325165.94345604	2910.7813707160984	2804.896384176646	2769.429235809624	2769.1660063012322	35.457125607702246
622	8	5802	38918.85867307335	797017.3170250766	39.06371237598045	-100.6624243	356172.753446565	4325161.97347918	2913.41189085362	2803.567886	2768.271238930884	2767.965100373573	35.29664603256609
623	8	5803	39578.85867307335	797017.3170250766	39.063709707011945	-100.6601077	356373.79245063174	4325158.002776274	2914.90000460118	2802.436592066162	2767.206770305602	35.2888891014613	35.2888891014613
624	8	5804	40238.85867307335	797017.3170250766	39.06370699316278	-100.6577771	356574.83131131308	4325154.03223589	2911.504243845193	2765.944026742063	2766.402156074545	35.6004017098652	35.6004017098652
625	8	5805	40988.85867307335	797017.3170250766	39.06370424442984	-100.6554534	356775.6010026841	4325150.58185296	2908.522089221147	2765.830576545673	2765.830576545673	35.75846296522696	35.75846296522696
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627	8	5807	42218.85867307335	797017.3170250766	39.06369858233127	-100.6508062	357177.8470324267	4325142.121991563	2915.5317627142026	2769.70584172721	2760.265427552324	36.463479964448	36.463479964448
628	8	5808	42878.85867307335	797017.3170250766	39.0636958895964	-100.6484825	357379.98538150545	4325138.157120406	2914.4361473272743	2758.501643327243	2758.4447359621236	35.769116351789	35.769116351789
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ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIEVELogs.kg.ft	BRIEVEBoth.kg.ft	SatThkLogs.ft	SatThkBoth.ft			
3	9	5923	-369621.1413	797677.3170250766	39.5856505958017	-102.1007407	231688.78715093673	4272852.692	387.041773041859	391.932585834821	3907.856626321695	0	0			
4	9	5924	-369691.1413	797677.3170250766	39.58589017001539	-102.0963814	231899.9513073398	4272848.618912933	403.425275881171	3985.7388407009516	3905.2271350094864	0	0			
5	9	5925	-369701.1413	797677.3170250766	39.58611523588176	-102.0906562	232101.157896422	4272844.54892473	404.4657776628167	3984.382196829977	3904.3724458259915	0	0			
6	9	5926	-369741.1413	797677.3170250766	39.5864025627933	-102.0937349	232302.29770983454	4272840.47859705	405.506628117021	3883.021507	3904.02524233217	3901.789274170361	0	0		
7	9	5927	-3696981.1413	797677.3170250766	39.5866623	-102.0914117	232503.4336449608	4272836.400046625	4040.13073	3881.6569692807984	3902.3450496635465	3900.5226133293555	0	0		
8	9	5928	-369321.1413	797677.3170250766	39.5869016	-102.0890884	232704.60675348912	4272832.372477224	4033.339152156322	3880.2884176915104	3907.340481687296	3905.162131293335	0	0		
9	9	5929	-369561.1413	797677.3170250766	39.58671504915842	-102.0867651	232905.79687713488	4272828.255037499	4026.547201494537	3878.9515211853705	3895.939727589414	3895.27889165367	0	0		
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11	9	5931	-364341.1413	797677.3170250766	39.5876468673271	-102.0821186	233308.99523919666	4272820.110861024	4014.487877959316	3876.1514435448070	3890.227865838526	3890.7835214826026	0	0		
12	9	5932	-363681.1413	797677.3170250766	39.587910438216174	-102.0797584	233509.257658041	427279.1638724093	4010.74340069999	3874.76093705974	3896.0667513340438	3887.198707604605	0	0		
13	9	5933	-363021.1413	797677.3170250766	39.588314143840485	-102.0774721	233710.4197223226	4272811.966565214	4006.9893940475	3873.36416270516	3884.927933002767	3886.23114547556	0	0		
14	9	5934	-362361.1413	797677.3170250766	39.588380657555	-102.0751488	233911.5812252943	4272807.89353762	4003.254471293045	3871.96191284679	3886.2764821231353	3887.605686194077	0	0		
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16	9	5936	-361041.1413	797677.3170250766	39.58887899457845	-102.0705023	234313.90430308006	4272799.7526376	3997.9444140262185	3869.138999048174	3878.455209802541	3880.484052859216	0	0		
17	9	5937	-360381.1413	797677.3170250766	39.589125259499	-102.068179	234515.065383176	4272795.81555207	3995.6525330439846	3867.7171552148625	3877.470720519941	3878.57857938217	0	0		
18	9	5938	-359721.1413	797677.3170250766	39.5893704862706	-102.0658158	234716.226033044	4272791.61062423	3993.3040520775507	3866.28941772032	3881.9780705404555	3883.9931474686216	0	0		
19	9	5939	-359061.1413	797677.3170250766	39.58961442260966	-102.0635325	234917.3865464442	4272787.539609275	3989.586536193616	3864.852306837046	3879.952416048135	3882.489071329292	0	0		
20	9	5940	-358401.1413	797677.3170250766	39.5898583478973	-102.0612902	235118.246779196	4272783.4965917	3863.415528438844	3878.745026158635	3881.2265701326655	0	0			
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22	9	5942	-357081.1413	797677.3170250766	39.5903445823859	-102.0565627	235520.8664309033	4272775.732876521	3973.817675873028	3860.523585831893	3875.810762599917	3878.061736409967	0	0		
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39	9	5959	-345861.1413	797677.3170250766	39.5944407578287	-102.0170667	238940.5413	4272706.15879034	3928.422940034624	3828.738329896238	3788.984327894347	3710.7135628886	46.2539371597338	0	0	
40	9	5960	-345201.1413	797677.3170250766	39.5946426271235	-102.0147434	239141.69631472748	4272702.09235309	3939.100944200516	3825.71532625118	3783.819678318156	3783.819678318156	49.9547022693494	49.9547022693494	0	0
41	9	5961	-344541.1413	797677.3170250766	39.5948771297108	-102.0124201	239342.8510553648	4272698.02545749	3931.676996128217	3832.184705555019	3781.0427403205997	3780.692718885493	51.1491625241915	51.1491625241915	0	0
42	9	5962	-343881.1413	797677.3170250766	39.5951111835943	-102.0100968	239544.00553741425	4272693.958456752	3889.644029179194	3830.64706340761	3779.572338528627	3779.572338528627	51.0747249003414	51.0747249003414	0	0
43	9	5963	-343221.1413	797677.3170250766	39.59534478877254	-102.0077738	239745.1591670788	4272689.891950058	3887.085571324559	3829.102014181395	3778.898484879477	3778.898484879477	51.16672884729087	51.16672884729087	0	0
44	9	5964	-342561.1413	797677.3170250766	39.59567754524494	-102.0054052	239948.3137	4272685.82529609	3887.5155353961	3827.5490576149696	3778.5858481124082	3777.207208124057	46.6932095255836	46.6932095255836	0	0
45	9	5965	-341901.1413	797677.3170250766	39.59591838811174	-102.0031269	240154.804787415	4272681.498287625	3886.461076803232	3826.47982762625	3776.47982762625	3776.47982762625	46.8894514267201	46.8894514267201	0	0
46	9	5966	-341241.1413	797677.3170250766	39.596152017904	-102.0008402	240364.620838127	4272677.69281727	3876.933118553764	3824.415439184194	3774.88722691531	3774.88722691531	46.8894514267201	46.8894514267201	0	0
47	9	5967	-340581.1413	797677.3170250766	39.5963724224354	-101.9984802	240549.7477598475	4272673.62608831	3869.00577555397	3822.8358079063323	3776.204795083215	3776.204795083215	46.8894514267201	46.8894514267201	0	0
48	9	5968	-339921.1413	797677.3170250766	39.5966008400648	-101.9961569	240750.9270179996	4272669.60036356	3856.698713054135	3821.244575206698	3775.291381826398	3775.291381826398	46.8894514267201	46.8894514267201	0	0
49	9	5969	-339261.1413	797677.3170250766	39.596873899700225	-101.9938336	240952.076884957	4272665.49486296	3844.33684452678	3819.642186931095	3774.15242648321	3771.5064817093576	46.8894514267201	46.8894514267201	0	0
50	9	5970	-338601.1413	797677.3170250766	39.5969646171233	-101.9915103	241153.232916623	4272661.42929444	3831.9749836142518	3818.027900419025	3774.0022187737304	3774.0022187737304	46.88945			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBothKrg.ft
129	6049	-286461.1413	79767.7170250766	39.06137561816602	-101.8079637	257043.4790522862	427340.777648216	3690.4534304672025	3641.1310329210714	3572.4841493872955	3574.1973787358573	368.6486833377596	66.93324718248418	
130	6050	-285801.1413	79767.7170250766	39.06139507478921	-101.8056402	257244.61158039345	427336.756448495	3687.036748007567	3638.417386255752	3568.8484586469254	3569.071786739547	69.34539850356615	69.34539850356615	
131	6051	-285181.1413	79767.7170250766	39.06134335341399	-101.8033166	257445.74369813407	427332.67418358	3682.7165025539607	3651.893196607258	3565.4538823276522	3565.4538823276522	70.2374832354606	70.2374832354606	
132	6052	-284481.1413	79767.7170250766	39.06143385341399	-101.8009364	257646.879517608	427336.621549633	3677.486947268144	3623.967310276537	3561.635429663339	3561.840087128329	71.3221025442731	71.1166337272787	
133	6053	-283821.1413	79767.7170250766	39.06145317541431	-101.7986699	257848.00723915145	427324.569804579	3672.254878966616	3620.210669188049	3557.9973232362145	3558.177252141088	72.33213459518343	72.03347104696095	
134	6054	-283161.1413	79767.7170250766	39.06147525424105	-101.7963465	258049.10329121452	427330.518318167	3670.27979072127	3627.4527312541077	3554.2674444855447	3554.392491090465	73.1852676856259	73.0594401364265	
135	6055	-282501.1413	79767.7170250766	39.06149184679355	-101.7940231	258250.20561954178	427321.64662658	3663.03722924644	3624.6838312276964	3550.3367402373984	3550.5695477409416	74.037408919029793	74.1142834274647	
136	6056	-281841.1413	79767.7170250766	39.06151087217185	-101.7916996	258451.40170582913	427323.1514753403	3660.285237421434	3621.9041442261887	3545.9683067407143	3545.9683067407143	75.35383749717637	75.35383749717637	
137	6057	-281181.1413	79767.7170250766	39.06153014671284	-101.7893763	258652.5326587864	427326.87418358	3658.2165025539607	3619.1146897865945	3542.8917792202919	3542.8917792202919	76.29618364265837	76.29618364265837	
138	6058	-280521.1413	79767.7170250766	39.06154911230553	-101.7870528	258853.65716929157	427334.313567184	3654.781253771137	3618.5140917823225	3540.509736999135	3540.962719491723	77.50436478318734	77.4513722905947	
139	6059	-279861.1413	79767.7170250766	39.06156810560655	-101.7847293	259054.7935414802	427300.263158971	3650.702473718657	3615.504746718892	3537.11589423882	3537.675601568079	78.3885824000957	78.529151081302	
140	6060	-279201.1413	79767.7170250766	39.06158717	-101.7824059	259255.92367514555	427229.213	3645.297144148153	3610.68642692556	3533.196027701073	3533.79355111087	77.4898392	76.8078758147921	
141	6061	-278541.1413	79767.7170250766	39.06160613594832	-101.7800825	259457.0530742923	427226.16226242	3639.892685454933	3607.859433213928	3528.9624060906254	3529.730002129625	78.99697271176374	78.12943119	
142	6062	-277881.1413	79767.7170250766	39.06162505408038	-101.777759	259658.1832277504	427288.11206519	3634.4876569497105	3605.02314553222	3524.461733947101	3525.2911075246483	80.5614006061297	79.32069770877502	
143	6063	-277221.1413	79767.7170250766	39.06164392733759	-101.7754356	259859.1326470538	427284.06230458	3629.57740974897	3602.7166396633715	3518.9564811628753	3520.5489061046719	82.5685900409623	81.626285	
144	6064	-276561.1413	79767.7170250766	39.06166276	-101.7731121	260060.441828765	427280.011697178	3625.1658789586913	3599.319705700646	3514.565340404233	3515.730534197726	84.754365118	83.58907149119204	
145	6065	-275901.1413	79767.7170250766	39.061681539229475	-101.7707887	260261.5707279114	427275.924672259	3620.730369189762	3595.45222536022	3509.0524391389426	3510.3829024761794	87.39978679707929	86.06832315844561	
146	6066	-275241.1413	79767.7170250766	39.061702778635	-101.7684652	260462.6994761668	427271.91294101	3616.340189198142	3593.57382542531	3503.049299	3504.271210907923	90.52408361832113	89.302173466215	
147	6067	-274581.1413	79767.7170250766	39.061718971622554	-101.7661148	260663.82794832582	427267.86357491	3609.818940775982	3590.683031258649	3496.38406496684	3497.03187645348	94.294861696964	93.6294364132105	
148	6068	-273921.1413	79767.7170250766	39.06173762050174	-101.7638183	260864.95618220047	427263.814382805	3601.91759207436	3587.781235194136	3488.707242426027	3489.02539043215	97.092791496496	95.9528309585881	
149	6069	-273261.1413	79767.7170250766	39.06175622	-101.7614849	261066.08417837386	427265.75349705	3592.564109441349	3584.8890546602154	3486.889686041943	3487.3893092197166	104.3095860506611	104.5491237385308	
150	6070	-272601.1413	79767.7170250766	39.0617743635212	-101.7591714	261267.21153067613	427255.716	3583.594367637226	3581.4443302141857	3471.327523514215	3470.48014771284	110.417779500411	111.44991547021962	
151	6071	-271941.1413	79767.7170250766	39.06179281655508	-101.7568728	261468.32594109	427249.68788837	3582.0587768837	3579.1085621931114	3469.695126813215	3470.48154613615	121.524210649894	121.524210649894	
152	6072	-271281.1413	79767.7170250766	39.06181176729796	-101.7545245	261669.4654785454	427247.610598482	3574.52586471474	3576.06105363377	3471.3310538667033	3471.3310538667033	140.7307514966736	140.5277930347022	
153	6073	-270621.1413	79767.7170250766	39.0618301918086	-101.7522011	261870.5938003364	427245.875094835	3579.294266076459	3573.11596470533	3472.618630602674	3472.568191240426	150.4773304206542	150.5347730471664	
154	6074	-269961.1413	79767.7170250766	39.06184851444465	-101.7498776	262071.7206161759	427239.52267893	3579.163947277993	3570.154632	3472.473505044145	3472.4934552293687	97.68112723	97.6611760420052	
155	6075	-269301.1413	79767.7170250766	39.0618669020535	-101.7475542	262272.847195599	427235.44667646	3580.688518484937	3567.184151062726	3470.882769	3470.825697486795	96.3584537595649	96.3584537595649	
156	6076	-268641.1413	79767.7170250766	39.06188196019132	-101.7452307	262473.9735416961	427223.42680491	3583.889629641434	3564.2045632017867	3467.9096159563904	3467.65790739575	96.29494345780631	96.5466228881164	
157	6077	-267981.1413	79767.7170250766	39.06190341110225	-101.7429175	262679.573594109	427219.379107211	3582.0587768837	3561.44591855203	3465.1085621931114	3470.48154613615	107.621711087874	107.621711087874	
158	6078	-267321.1413	79767.7170250766	39.06192164123821	-101.7405738	262878.31371009	427217.73100709	3582.0587768837	3559.2173045392	3463.2190283592	3463.2190283592	115.01767737127138	115.01767737127138	
159	6079	-266661.1413	79767.7170250766	39.061939796499104	-101.7382603	263077.351167637	427219.28415479	3591.506756193459	3555.2190607109923	3466.369866017413	3466.369866017413	125.88500402625101	125.88500402625101	
160	6080	-266001.1413	79767.7170250766	39.06195790693839	-101.7359369	263278.4766738436	427215.23701459	3582.0587768837	3552.211545576895	3468.3979038475964	3468.097942190346	131.8315846109031	131.8315846109031	
161	6081	-265341.1413	79767.7170250766	39.0619759724055	-101.7336134	263479.6018458017	427211.18998438	3582.0587768837	3552.211545576895	3468.3979038475964	3468.097942190346	131.8315846109031	131.8315846109031	
162	6082	-264681.1413	79767.7170250766	39.06199390340007	-101.7312899	263680.726737481	427207.143120795	3589.610224921813636	3549.27122411501936	3470.2214211501936	3470.2214211501936	142.4896166120019	142.4896166120019	
163	6083	-264021.1413	79767.7170250766	39.0620119688037	-101.7289958	263881.8514878794	427203.096	3586.67593999661	3543.46596712135	3468.5474219645516	3471.33834494849	153.5997471758322	153.5997471758322	
164	6084	-263361.1413	79767.7170250766	39.06203691855508	-101.7266718	264082.32594109	427200.94896364	3587.036748007567	3541.4443302141857	3467.9096159563904	3471.33834494849	164.7305974758322	164.7305974758322	
165	6085	-262701.1413	79767.7170250766	39.06206275956356	-101.7243195	264284.1001551765	427196.00329898	3582.0587768837	3537.6029305586	3468.5230427158785	3468.789862979192	168.939683377822	170.2734460743388	
166	6086	-262041.1413	79767.7170250766	39.06208652623991	-101.7219961	264485.2241994329	427190.957323823	3580.980750543875	3534.008918	3466.16599942997	3464.1547905239662	97.64229184	97.64229184	
167	6087	-261381.1413	79767.7170250766	39.06208342089156	-101.7196726	264686.3479703518	427187.61302386	3567.5381563425084	3530.946803005546	3462.589164980611	3460.683713760177	102.3632084294375	102.3632084294375	
168	6088	-260721.1413	79767.7170250766	39.06210117447306	-101.7173491	264887.4150847618	427182.86543848	3565.888029518006	3527.8758121848	3456.101352053232	3457.246145302076	117.7313460751566	117.7313460751566	
169	6089	-260061.1413	79767.7170250766	39.06211888098153	-101.7150256	265088.59481401835	427181.974191303	3564.256872959674	3527.7987723184	3452.649772383334	3454.084978903785	121.4895133859073	121.4895133859073	
170	6090	-259401.1413	79767.7170250766	39.06213654	-101.7127022	265289.7188717597	427174.74210651	3562.585764460457	3521.7128347435283	3448.091342366385	3448.091342366385	132.762149147	132.762149147	
171	6091	-258741.1413	79767.7170250766	39.06215421722534	-101.7103852	265489.84013123257	427169.00329898	3562.0587768837	3519.244470914957	3537.6029305586	3468.5230427158785	133.73118215862627	133.73118215862627	
172	6092	-258081.1413	79767.7170250766	39.06217173172539	-101.7080522	265689.065193371634	427166.63849097	3562.0587768837	3515.74232265687	3471.3310538667033	3471.3310538667033	140.7307514966736	140.7307514966736	
173	6093	-257421.1413	79767.7170250766	39.06218926	-101.7057317	265893.0857146011	427162.6386175	3564.8887414120613	3512.408193102581	3438.1585291147	3438.1585291147	142.4966619143424	142.4966619143424	
174	6094	-256761.1413	79767.7170250766	39.06220674039206	-101.7034083	266094.2706007633	427154.102442944	3559.291285155639	3512.408193102581	3438.1585291147	3438.15			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
255	9	6175	-203031.1413	79767.7170250766	39.063473758450954	-101.515203	282384.3516397623	4236831.512237594	3404.8989469772973	324.7983	3240.35885872221456	5.557796048552518	6.98723836873693
256	9	6176	-202641.1413	79767.7170250766	39.0634750606273	-101.512879	282585.4545935994	4236827.481070081	3406.207824400543	3245.2381849574654	3243.2631918848047	32.917649305866437	1.121360974196214
257	9	6177	-201881.1413	79767.7170250766	39.06339130369515	-101.516569	282766.599132876	4236823.45	3411.5158913876762	3243.260434745515	3238.42686339701	32.857197694415	16.85348131850698
258	9	6178	-201321.1413	79767.7170250766	39.06351503	-101.508223	282987.66255774046	4236814.823777065404	3414.823777065404	3241.4600235093304	3218.5360403623968	31.775464444244	22.92361914694256
259	9	6179	-200661.1413	79767.7170250766	39.06352868811002	-101.5055088	283188.76576845226	4236815.388	3414.875331360829	3239.7610224006753	3211.093521825331	32.094620206797966	26.68057514446
260	9	6180	-200001.1413	79767.7170250766	39.06352834202968	-101.5035852	283389.8687651986	4236813.357744603	3411.6554851196588	3236.76123575234	3204.081281870057	32.0223257394897	34.08540484747515
261	9	6181	-199341.1413	79767.7170250766	39.0635589867126	-101.501267	283590.9715	4236807.32734386	3408.4405486478488	3236.613687818395	3200.5795278268874	31.975758678180883	36.08177849150752
262	9	6182	-198681.1413	79767.7170250766	39.06356431634754	-101.498981	283792.04171760977	4236803.297109019	3236.0327116373185	3235.2343017517906	3201.3241245294643	31.97225764638772	39.0842711330663
263	9	6183	-198021.1413	79767.7170250766	39.06356921972005	-101.4966145	283953.1764728845	4236805.267904111	3406.3446382276053	3233.875960108953	3206.2258727280746	31.99577568353025	38.85062678078578
264	9	6184	-197361.1413	79767.7170250766	39.06359632272714	-101.494291	284194.278616115	4236796.237131711	3411.7973646777905	3232.5765453982977	3209.8040657229517	32.02228616514516	30.43992784787212
265	9	6185	-196701.1413	79767.7170250766	39.0636097125618	-101.4919674	284395.3805465544	4236791.207400032	3412.2500910518283	3231.328158248344	3214.0850340330397	32.0481952256761	27.720364845034346
266	9	6186	-196041.1413	79767.7170250766	39.06362311	-101.4896438	284596.482263406	4236787.17782846	3422.7028714758662	3230.1243908028287	3219.362630242905	32.08686169392705	10.76176055992346
267	9	6187	-195381.1413	79767.7170250766	39.06363642327939	-101.4872033	284797.5837685516	4236784.593257442	3228.960179682338	3222.609612508749	3206.8617020757389	32.03451502592412	20.34315892592412
268	9	6188	-194721.1413	79767.7170250766	39.0636496967362	-101.4849967	284998.68065003727	4236779.1198143	3428.92341489555	3227.831051747827	3225.302348706439	32.09780528134718	2.6278030413882334
269	9	6189	-194061.1413	79767.7170250766	39.06365905795956	-101.4826731	285199.7861411887	4236765.590110614	3431.2590604416615	3226.730263080538	3227.1999780198157	32.1035420303089	16.19486727954795
270	9	6190	-193401.1413	79767.7170250766	39.06367607972717	-101.4803495	285400.87709552406	4236771.61022093	3433.582396192681	3225.6543371192056	3226.15407384214	32.10340351166876	17.11598625237498
271	9	6191	-192741.1413	79767.7170250766	39.0636892078645	-101.478026	285601.8676614555	4236767.032641154	3432.692053873235	3224.6011598432197	3223.5393263966003	32.131618381188357	10.98282164584807
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274	9	6194	-190761.1413	79767.7170250766	39.0637283266938	-101.4710552	286205.28863775606	4236754.947230689	3420.3611571695107	3221.363442673835	3223.239873251856	32.121962029614226	10.972019484583145
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303	9	6223	-171621.1413										

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevKgr.f	SatThkLog.s	SatThkBoth.f	
381	6301	-120.1413	79.67717370250766	39.06485941794526	-01.2224285	307721.8142874998	4236234.881744063	3308.854585174147	3148.478238190619	3154.799138730896	3159.771225120510	0	0	
382	6302	-119.8411	79.67717370250766	39.06485765374416	-01.2014478	307922.8927150186	4263230.201367297	3307.2900429422663	3147.654310818194	3152.284118165533	3158.727502123313	0	0	
383	6303	-118.8213	79.67717370250766	39.06485153153453	-01.1718172	308123.9853727252	4263231.684153682	3308.914248153682	3148.584869612235	3153.784323368271	3158.768150890605	0	0	
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386	6306	-116.8411	79.67717370250766	39.064899771	-01.2108102	308727.2045309286	4263363.821230415	3295.42655734124	3144.3110007032625	3143.1005167336775	3149.883692021737	1.2104389699550212	0	
387	6307	-116.1811	79.67717370250766	39.06490762931168	-01.2018466	308928.282025351	4263360.301952489	3293.679586072838	3143.464459654228	3140.0547509786626	3146.3382929127417	3.4097860773635965	0	
388	6308	-115.5211	79.67717370250766	39.064915057457236	-01.206289	309129.3593222614	4263296.81256493	3293.349031243226	3142.6134841867183	3137.676811767364	3143.362191639246	3.30936300981961	0	
389	6309	-114.8611	79.67717370250766	39.06492330472296	-01.2038393	309350.436422986	4263292.8033419152	3293.018474556892	3141.7584176617653	3134.7107747485947	3138.50896769725	2.493087620507753	0	
390	6310	-114.2011	79.67717370250766	39.064931129106306	-01.2015156	309531.513355157	4263298.7942933972	3292.6971672597	3140.8944307170116	3132.356512223226	3138.874357722214	4.022403048860171	0	
391	6311	-113.5411	79.67717370250766	39.0649387260979	-01.199192	309732.59090074036	4263284.7842931052	3291.7729454513	3140.03063271382	3130.05493053624	3134.27858198802	9.97801327413891	5.75441813035846	0
392	6312	-112.8811	79.67717370250766	39.0649457123257	-01.1968683	309933.6663635425	4262870.707	3290.138449713496	3139.261680552835	3127.789232659663	3131.731338827291	11.3693539562051	7.43082622799206	0
393	6313	-112.2211	79.67717370250766	39.064952424974635	-01.1945447	310134.7430012009	4262766.78090997	3288.549045113156	3138.22642615173	3125.5860286724023	3129.248001677736	12.70019594277033	9.04342142447399502	0
394	6314	-111.5611	79.67717370250766	39.064961833835945	-01.192221	310335.8197164968	4262762.75910769	3286.95905470962	3137.405264	3123.443546133944	3126.229291318908	13.96171780326105	10.58233480587037	0
395	6315	-110.9011	79.67717370250766	39.06496938781649	-01.1898973	310536.8951654122	4262658.751486859	3284.842421948697	3136.517232063271	3120.324472289756	3123.464213705102	16.1927919351505	13.05251069267923	0
396	6316	-110.2411	79.67717370250766	39.064976916916265	-01.1875737	310737.9709911877	4262654.743001362	3282.197484561683	3135.621973018757	3118.3254063849493	3121.200815136119	17.29673084702838	14.42413018957544	0
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398	6318	-108.9211	79.67717370250766	39.06499182047349	-01.1829264	311140.1220161016	4262656.72758471	3276.907325754947	3133.8170921453924	3114.3263758312176	3117.31707474859194	19.48733301201626	16.69046248719892	0
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401	6321	-106.9411	79.67717370250766	39.06501389203175	-01.1759554	311734.74371963251	4262644.705532271	3265.649904	3131.0682005751387	3108.3895064171387	3109.808934023476	23.21473117282496	21.24737117282496	0
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408	6328	-102.3211	79.67717370250766	39.06506364540867	-01.1596898	313105.8661560047	4262616.65941023	3258.6118386515	3124.608670401811	3094.5769537516117	3094.878694692027	30.40990249	29.72979351584017	0
409	6329	-101.6611	79.67717370250766	39.06507059167522	-01.1573783	313351.9386574992	4262612.65941023	3257.42836918154	3123.62760255544	3092.89847167453	3092.89847167453	31.4678963268976	30.76985858410552	0
410	6330	-101.0011	79.67717370250766	39.065077471755426	-01.1550423	313549.482464274	4262608.67745492	3256.478362151917	3122.7512567078	3090.628867164933	3090.75022773364	31.99917323096967	31.99917323096967	0
411	6331	-100.3411	79.67717370250766	39.065084771171374	-01.1527188	313754.0585105267	4262604.642159924	3255.41854989055	3121.819614806516	3088.399047067307	3087.423698520999	33.42056773208764	32.79797351584017	0
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416	6336	-97.0411	79.67717370250766	39.06511787352636	-01.1411098	314759.482464274	4262614.8161651704	3234.60102453893	3117.1088578872645	3074.211854	3074.211854	37.42341152864	42.487424	0
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418	6338	-95.7211	79.67717370250766	39.06513098225255	-01.1364532	315161.5920463605	4262606.7607602489	3219.777596775825	3115.1836270106287	3065.1336756220043	3066.28456304460	50.0495139	48.9897340415971	0
419	6339	-95.0611	79.67717370250766	39.06513469690885	-01.1341295	315362.6632640496	4262612.7603	3214.1397153476254	3114.2040251529256	3061.259722378481	3062.219648115965	52.94430277444652	51.98473703696072	0
420	6340	-94.4011	79.67717370250766	39.06514391104814	-01.1318058	315563.735	4262618.950212193	3207.2052579753945	3112.310630529974	3057.263695627385	3057.9641646571384	55.466336732351	55.466336732351	0
421	6341	-93.7411	79.67717370250766	39.06515030812431	-01.1294822	315764.8062358926	4262616.4956241	3206.207897802827	3112.2017821809928	3053.187660351597	3052.703803898248	56.9140971439243	56.965712984543	0
422	6342	-93.0811	79.67717370250766	39.0651566031061	-01.1271185	315965.8197740563	4262613.3364203131	3205.3364203131	3111.17543570485	3048.92596229496	3048.837813567827	58.272353636354	58.272353636354	0
423	6343	-92.4211	79.67717370250766	39.06516287359168	-01.1248782	316175.925841986	4262610.569198276	3204.28267869843	3110.27780789852	3046.1543262789023	3046.1543262789023	59.78241152864	59.78241152864	0
424	6344	-91.7611	79.67717370250766	39.06516960399614	-01.1225112	316368.018	4262612.584	3203.158	3109.9761131665714	3044.026746922348	3044.026746922348	60.609391651528924	60.609391651528924	0
425	6345	-91.1011	79.67717370250766	39.06517546171777	-01.1201875	316569.80829116465	4262618.81188165	3202.41591847573	3107.9695815467337	3056.769311	3057.0456684195	61.19027011	61.19027011	0
426	6346	-90.4411	79.67717370250766	39.06518162028264	-01.1178638	316770.1596042415	4262614.577994191	3201.942198525794	3106.834893789244	3052.9842159458094	3053.7016418283415	62.7230572433115035	62.7230572433115035	0
427	6347	-89.7811	79.67717370250766	39.06518774877584	-01.1155402	316971.2397378656	42626							

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevLogKrg	BRIElevLogKrg	SurfThkElev	SurfThkBoth
507	6427	-36981.14133	79767.7170250766	39.06553255537261	-100.92965457	330566.2711300536	4325820.871042983	2098.2023561818737	2955.9036971459543	2955.125871044888	2955.9580828074195	30.7778261496966	29.94561437174828
508	6428	-36321.14133	79767.7170250766	39.06553504775659	-100.927322	33257.3322601299	4325816.881394299	2098.562869726587	2964.5146585832127	2956.5053769722536	2957.27973183208	28.0094750109507	27.2351175100451
509	6429	-35661.14133	79767.7170250766	39.065537465256745	-100.940869	33465.3884432397	4325812.881099599	2098.923372112945	2963.10542973212945	2956.6888237046233	2957.12248181988	25.1448645232397	25.39328671573278
510	6430	-35001.14133	79767.7170250766	39.06553989787659	-100.9226746	33659.445365028	4325809.903	2098.265438711968	2956.4537369188	2956.653273954889	2957.367760400819	25.02118549230613	24.306616960676957
511	6431	-34341.14133	79767.7170250766	39.065542255617544	-100.9203509	33860.5001242349	4325804.913432191	2098.036406288739	2980.221311302936	2956.634383140076	2956.469694541135	24.586662988828462	23.7516164862262
512	6432	-33681.14133	79767.7170250766	39.06554568474174	-100.9180272	34046.15557204335	4325801.92439458	2098.109743669484	2978.746640455924	2954.310274177164	2956.1193570541	23.62762688	23.62762688
513	6433	-33021.14133	79767.7170250766	39.06554836448945	-100.9157035	34262.6111543736	4325796.93561693	2097.3482793002285	2977.2518279633055	2952.8001679185095	2953.6996786374077	24.5146604404809	23.55195113298481
514	6434	-32361.14133	79767.7170250766	39.065549554189	-100.9133798	34463.6646228884	4325792.94684584	2098.40991490973	2975.7389317253185	2951.2058156591596	2952.727199944254	24.533114713358827	23.465211329893072
515	6435	-31701.14133	79767.7170250766	39.06555123752556	-100.9116651	34664.7215383737	4325790.34719183	2098.600734179183	2974.2106295000684	2950.856823899955	2950.856823899955	24.5517811999986	23.51586724526178
516	6436	-31041.14133	79767.7170250766	39.0655537108216	-100.9087235	34865.7768483253	4325784.70110813	2098.6402961548738	2972.966519131896	2948.142729061096	2949.8995158957558	24.52400071799527	22.72702324213011
517	6437	-30381.14133	79767.7170250766	39.06555549529506	-100.9064088	35066.83172178709	4325781.93810357	2098.697821305598	2971.113077196232	2946.886143736432	2946.886143736432	24.1263033459799	22.2597293391447
518	6438	-29721.14133	79767.7170250766	39.0655573093498	-100.9040851	35267.88589796136	4325776.96291265	2098.744624106246	2969.5513003612864	2945.6799415276714	2947.72299235232	23.6713583314977	21.82830600443583
519	6439	-29061.14133	79767.7170250766	39.065559591778594	-100.9017614	35468.0356243995	4325763.00681006	2098.832626188248	2968.2445463379935	2944.2445463379935	2946.6109174135786	23.739004743314126	21.623736880149484
520	6440	-28401.14133	79767.7170250766	39.0655614558031	-100.8994377	35669.94966449943	4325760.13839795	2098.917632876987	2966.411512709474	2943.002730585735	2945.4804587294036	23.4087821	21.5031053917070585
521	6441	-27741.14133	79767.7170250766	39.06556365450015	-100.897114	35871.048095964	4325756.03082488	2098.99489565686	2964.354904083828	2941.8213970087995	2943.73719882358	23.0959383093255	21.405917016489721
522	6442	-27081.14133	79767.7170250766	39.06556522853811	-100.8947703	36072.1027	4325751.04332097	2097.027914753485	2963.25943932546	2940.71100470028	2943.30023292747	22.54845323251793	19.9502702078955
523	6443	-26421.14133	79767.7170250766	39.0655670478918	-100.892466	36273.1568156903	4325750.6339052	2097.056837693256	2961.680411452375	2939.686181990446	2942.288455243813	21.994229461929535	19.9135519799432
524	6444	-25761.14133	79767.7170250766	39.0655682196837	-100.8901429	36474.21704976	4325753.06931306	2097.186478205304	2960.0965097542826	2938.757803269478	2941.316403	21.397604487482	18.780105733352568
525	6445	-25101.14133	79767.7170250766	39.06557051360665	-100.8878192	36675.26378152356	4325749.0825421305	2097.3139960237	2958.90881041836	2937.953476671426	2943.437338145666	20.55633374693168	18.0724829861673
526	6446	-24441.14133	79767.7170250766	39.065572253871066	-100.885495	36876.71712496176	4325745.09521754	2097.40515254254	2956.9227197287124	2937.811561	2940.1480343561797	17.747650597377	16.77475657122955
527	6447	-23781.14133	79767.7170250766	39.0655738754994	-100.8831718	37077.3073	4325741.10920154	2097.4927192745459	2955.33818434094	2937.220305620178	2938.457142524242	18.114773909196528	15.888512017852008
528	6448	-23121.14133	79767.7170250766	39.0655757042614	-100.8808481	37278.423339117	4325737.12489538	2097.58472625539	2953.746910348246	2936.813130704867	2938.91575851362	16.93659714156567	14.83131805807744
529	6449	-22461.14133	79767.7170250766	39.0655775201165	-100.878534	37479.41903512	4325733.378642958	2097.673278785723	2951.2103411673657	2934.73028770325	2937.1018747657463	15.875451650474975	13.875451650474975
530	6450	-21801.14133	79767.7170250766	39.0655792509359	-100.8762008	37680.5289096358	4325729.150001008	2097.76501096688	2950.574025525823	2933.835645533567	2937.41136087078	14.72094817225516	13.156379574500791
531	6451	-21141.14133	79767.7170250766	39.06557986519443	-100.8738771	37881.581455575	4325725.16472275	2097.829157666037	2948.976798158859	2935.342283135727	2936.58302591768	13.62265534528614	12.39677627090923
532	6452	-20481.14133	79767.7170250766	39.065581400413386	-100.8715534	38082.6334851194	4325721.17900758	2097.936984653	2947.38460538815	2934.482694648233	2935.309504279047	12.10910391991805	12.07510759786247
533	6453	-19821.14133	79767.7170250766	39.06558277050424	-100.8692297	38283.6861	4325717.19345623	2098.057731095997	2945.7908148498705	2933.6019573149447	2934.21400936666	11.888573492574	11.576805213213902
534	6454	-19161.14133	79767.7170250766	39.0655840625504	-100.866906	38484.7382	4325713.20868924	2098.1592752545478	2944.1950214954987	2933.7862387394	2932.789333919538	11.85715911085937	11.205687930067042
535	6455	-18501.14133	79767.7170250766	39.06558583	-100.8645314	38685.7948622726	4325709.22845395	2098.243786435398	2943.308615453398	2933.7862387394	2932.789333919538	11.85715911085937	11.205687930067042
536	6456	-17841.14133	79767.7170250766	39.06558762126994	-100.862258	38889.7486277268	4325705.2778532	2098.304105162723	2942.103411673657	2932.789333919538	2932.789333919538	11.85715911085937	11.205687930067042
537	6457	-17181.14133	79767.7170250766	39.065589337027926	-100.8599349	39087.89342798	4325701.2528968	2098.36416641637463	2941.3091699443168	2932.655011688594	2932.655011688594	11.85715911085937	11.205687930067042
538	6458	-16521.14133	79767.7170250766	39.06558896	-100.8576112	39288.84284781826	4325697.26815427	2098.4322114903414	2940.774037184797	2932.655011688594	2932.655011688594	11.85715911085937	11.205687930067042
539	6459	-15861.14133	79767.7170250766	39.06559050252515	-100.8552875	39489.96916064376	4325693.2888985	2098.4805789	2939.172471346894	2931.7374142761304	2932.655011688594	11.85715911085937	11.205687930067042
540	6460	-15201.14133	79767.7170250766	39.0655911064159	-100.8529638	39691.04729138257	4325689.298184231	2098.53395885998	2938.55635422342	2931.7374142761304	2932.655011688594	11.85715911085937	11.205687930067042
541	6461	-14541.14133	79767.7170250766	39.06559211789728	-100.8506401	39892.9986565653	4325685.31843243	2098.5870348742947	2937.95129814847198	2931.7374142761304	2932.655011688594	11.85715911085937	11.205687930067042
542	6462	-13881.14133	79767.7170250766	39.065593803583	-100.8483164	40093.14903512	4325681.30092108	2098.639256670816	2937.059114062257	2930.861463206254	2931.7374142761304	11.85715911085937	11.205687930067042
543	6463	-13221.14133	79767.7170250766	39.06559504551467	-100.8459927	40294.1987453144	4325677.34862544	2098.691305461292	2936.029481339637	2931.023614838616	2931.023614838616	11.85715911085937	11.205687930067042
544	6464	-12561.14133	79767.7170250766	39.06559682250444	-100.843699	40495.250251208	4325673.3926151	2098.740903829238	2935.047091302885	2930.081744250773	2930.547509	11.85715911085937	11.205687930067042
545	6465	-11901.14133	79767.7170250766	39.0655977400468	-100.8413453	40696.30070134485	4325670.37061511	2098.78851514836	2934.061258158996	2930.1976734148875	2930.1976734148875	11.85715911085937	11.205687930067042
546	6466	-11241.14133	79767.7170250766	39.065598500876545	-100.8390216	40897.500960438	4325665.396	2098.83046519208944	2933.754846172397	2929.87739644349	2929.87739644349	11.85715911085937	11.205687930067042
547	6467	-10581.14133	79767.7170250766	39.0655997428666	-100.836698	41098.4009354503	4325661.41293336	2098.874389624204	2933.06726356394	2929.9839261344857	2929.9839261344857	11.85715911085937	11.205687930067042
548	6468	-9921.14133	79767.7170250766	39.065600769974448	-100.8343743	41299.45081976976	4325657.42683272	2098.9304791316714	2932.40266649377	2929.189674532345	2929.189674532345	11.85715911085937	11.205687930067042
549	6469	-9261.14133	79767.7170250766	39.065602591954536	-100.8320729	41499.501239636	4325653.42683272	2098.98197921004	2931.632532978	2928.37931962104	2928.37931962104	11.85715911085937	11.205687930067042
550	6470	-8601.14133	79767.7170250766	39.0656039544536	-100.8297269	41701.501239636	4325649.441139139	2099.0346081976976	2931.120765737404	2927.560787237404	2927.560787237404	11.85715911085937	11.205687930067042
551	6471	-7941.14133	79767.7170250766	39.0656057606667	-100.8274032	41902.599644254	4325645.48133509	2099.07872680635	2930.614526322574	2927.0826245033	2927.0826245033	11.85715911085937	11.205687930067042
552	6472	-7281.14133	79767.7170250766	39.065607958466	-100.8250795	42103.6488102587	4325641.49094623	2099.1272575374985	2930.79404847496	2926.55			

ix	iy	x	Y.r	Latitude	Longitude	UTM_X	UTM_Y	SurfLen_r	W.Lt.	BREIEvLogskg.r	BREIEvBothKgr.r	SatHBothKgr.r	SatHBothKgr.r	
633	ic	6553	46718.85867307335	79767.7170250766	-00.06549315067957	-00.06586903	358388.14599618085	4252319.464099785	2908.374644196235	2754.56580923784274	2752.167647919207	2752.23323775588	42.39816196326743	42.3232570006616364
634	ic	6554	46838.85867307335	79767.7170250766	-00.06549996794402	-00.06543637	358989.18330722314	425315.495054242	2907.097688127573	2753.59756652184	2751.8262160046046	2751.962616007687	41.6347497573337	41.6347497573337
635	ic	6555	47488.85867307335	79767.7170250766	-00.065496969032675	-00.0652213	358790.24489049432	425311.538161656	2906.1824764281365	2749.9135289392934	2748.914448869703	42.6541433	42.6541433	42.6541433
636	ic	6556	48158.85867307335	79767.7170250766	-00.06548327277245	-00.0628993	358509.62751755224	425305.6573436995	2907.148434364649	2747.5789337439005	2747.562463067049	43.9060062074827	43.9224867544011	43.9224867544011
637	ic	6557	48818.85867307335	79767.7170250766	-00.065480234047015	-00.0627556	359192.2941725246	425303.588875255	2905.075068	2749.358931558709	2747.12550548004	45.1863801066517	45.1863801066517	45.1863801066517
638	ic	6558	49478.85867307335	79767.7170250766	-00.0652419	-00.06252419	359393.331180348	425299.62	2904.52136	2789.197550656256	2743.0716515375148	46.12599172473	46.12599172473	46.12599172473
639	ic	6559	50138.85867307335	79767.7170250766	-00.06229182	-00.06229182	359964.760867511	425296.1684248	2903.51033196432	2788.060316862591	2741.5491737454904	47.4607314117001	47.4607314117001	47.4607314117001
640	ic	6560	50798.85867307335	79767.7170250766	-00.065470069014395	-00.0620945	359976.4049051722	425291.684167438	2902.05025793154	2786.7919150015973	2740.0324911766194	47.739927349117627	47.739927349117627	47.739927349117627
641	ic	6561	51458.85867307335	79767.7170250766	-00.0654659	-00.0618278	359966.4406510722	425287.716	2901.68951951867	2785.19168458967	2740.0324911766194	47.739927349117627	47.739927349117627	47.739927349117627
642	ic	6562	52118.85867307335	79767.7170250766	-00.06545307317456	-00.06159472	360197.479690311	425293.74850989	2899.1245874039316	2784.315007350171	2737.391556774971	48.923455579062	48.923455579062	48.923455579062
643	ic	6563	52778.85867307335	79767.7170250766	-00.06545095364644	-00.06138235	360388.512951489	425292.7902566	2897.583137	2783.06108465752	2736.0940907340963	49.65895730845616	49.65895730845616	49.65895730845616
644	ic	6564	53438.85867307335	79767.7170250766	-00.0654589209373	-00.06112998	360599.5489892007	425257.814	2896.96309197722	2781.801736228378	2734.7097407100717	49.74058153	49.74058153	49.74058153
645	ic	6565	54098.85867307335	79767.7170250766	-00.06089761	-00.06089761	360800.58471071697	425212.861425281	2894.343003819624	2780.5384365183795	2733.542918460287	50.99551787745076	50.99551787745076	50.99551787745076
646	ic	6566	54758.85867307335	79767.7170250766	-00.0606524	-00.0606524	361001.6203874453	425267.871943939	2892.7229374239364	2779.25265282327	2733.051428	51.2238371	51.2238371	51.2238371
647	ic	6567	55418.85867307335	79767.7170250766	-00.060444871814554	-00.06043287	361202.65592930786	425263.612126348	2891.133589	2778.07176740693	2733.059593372974	52.33174347	52.33174347	52.33174347
648	ic	6568	56098.85867307335	79767.7170250766	-00.060454099706614	-00.0602005	361403.89133651134	425259.945	2889.574958989081	2778.166183522081	2733.048496	53.2790872497913	53.2790872497913	53.2790872497913
649	ic	6569	56738.85867307335	79767.7170250766	-00.060453716110509	-00.0599614	361604.7269057201	425255.97883072	2888.0162866442	2775.520004475565	2734.400856860889	54.47647689775165	54.47647689775165	54.47647689775165
650	ic	6570	57398.85867307335	79767.7170250766	-00.060543328	-00.0597357	361805.76174775185	425252.01230409	2886.45786437697	2774.2780641356494	2735.132921603799	55.11914531850524	55.11914531850524	55.11914531850524
651	ic	6571	58058.85867307335	79767.7170250766	-00.060542935453804	-00.0595034	362006.79675219837	425248.064112269	2884.781813842753	2773.092044700252	2736.647581319376	56.34423812987	56.34423812987	56.34423812987
652	ic	6572	58718.85867307335	79767.7170250766	-00.0605423839209	-00.05927103	362207.8316228021	425244.079993238	2882.988675033976	2771.8034217087034	2737.706873030616	57.38215417032122	57.38215417032122	57.38215417032122
653	ic	6573	59378.85867307335	79767.7170250766	-00.06054213684448	-00.0590386	362408.8665939761	425240.14036892	2881.19536713765	2770.56735218356	2738.96364001117	57.39452471939883	57.39452471939883	57.39452471939883
654	ic	6574	60038.85867307335	79767.7170250766	-00.060541730807576	-00.0588029	362609.9006529455	425236.14843496	2879.402371373672	2769.33380717893	2740.0324911766194	58.4696807716247	58.4696807716247	58.4696807716247
655	ic	6575	60698.85867307335	79767.7170250766	-00.06054085286916	-00.0586228	362806.93455916	425232.392245875	2878.232458962875	2768.19168458967	2740.0324911766194	58.4696807716247	58.4696807716247	58.4696807716247
656	ic	6576	61358.85867307335	79767.7170250766	-00.06054156	-00.05843156	363011.9697706243	425228.271144791	2876.07527389151	2767.67094526443	2744.514394190066	59.22191530523598	59.22191530523598	59.22191530523598
657	ic	6577	62018.85867307335	79767.7170250766	-00.0605408777749	-00.0581019	363213.0037510326	425224.13859355	2874.4249437264343	2765.64018428695	2744.514394190066	59.22191530523598	59.22191530523598	59.22191530523598
658	ic	6578	62678.85867307335	79767.7170250766	-00.060540617782394	-00.0578762	363414.0380471416	425220.28669701	2872.72590064714	2764.413081256094	2744.514394190066	59.22191530523598	59.22191530523598	59.22191530523598
659	ic	6579	63338.85867307335	79767.7170250766	-00.06054396330050204	-00.0576445	363615.0719865458	425216.261217728	2870.92750248015	2763.1685806730316	2751.4112112527397	60.17356424328794	60.17356424328794	60.17356424328794
660	ic	6580	63998.85867307335	79767.7170250766	-00.060539200334645	-00.05741208	363816.105	425212.356900227	2868.829734981327	2761.962470088172	2750.8452170400812	61.3925177606898	61.3925177606898	61.3925177606898
661	ic	6581	64698.85867307335	79767.7170250766	-00.0605372886813	-00.05717872	364017.13948596174	425208.392245875	2867.33237200004	2752.231198711572	2742.49864432179	62.46964432179	62.46964432179	62.46964432179
662	ic	6582	65318.85867307335	79767.7170250766	-00.0605351016748316	-00.0569473	364218.173012369	425204.427742215	2864.61673979591	2750.8452170400812	2742.49864432179	62.46964432179	62.46964432179	62.46964432179
663	ic	6583	65978.85867307335	79767.7170250766	-00.060537874508082	-00.05671498	364419.2064216214	425200.46432525	2862.304727906124	2758.300425	2737.68990771944	63.7819697393867	63.7819697393867	63.7819697393867
664	ic	6584	66638.85867307335	79767.7170250766	-00.06053742589587	-00.05648261	364620.39450757126	425196.49295783	2858.551209903271	2757.034073176493	2734.16400016173	64.32650003720619	64.32650003720619	64.32650003720619
665	ic	6585	67298.85867307335	79767.7170250766	-00.060539986182939	-00.05625024	364821.2785391983	425192.5325362	2856.19540966331	2755.8681938537735	2734.16400016173	64.32650003720619	64.32650003720619	64.32650003720619
666	ic	6586	67958.85867307335	79767.7170250766	-00.060536502881385	-00.0560178	365022.305	425185.57141414	2851.839128	2754.654761955295	2727.081197605866	65.7271601276577	65.7271601276577	65.7271601276577
667	ic	6587	68618.85867307335	79767.7170250766	-00.06053604905188	-00.0557857	365233.338	425184.80776121	2848.87160596647	2753.6858625299	2724.621248399294	66.5897474872365	66.5897474872365	66.5897474872365
668	ic	6588	69278.85867307335	79767.7170250766	-00.06053555314	-00.0555514	365424.3711516276	425180.64420471	2846.331198711572	2752.49864432179	2742.49864432179	67.46964432179	67.46964432179	67.46964432179
669	ic	6589	69938.85867307335	79767.7170250766	-00.0605351016748316	-00.0553077	365625.404128987	425176.68087458	2844.18481924143	2751.024890493548	2740.0324911766194	67.46964432179	67.46964432179	67.46964432179
670	ic	6590	70598.85867307335	79767.7170250766	-00.0605346238724315	-00.055084	365826.4365392101	425172.71677073	2842.13639168338	2749.81308393972	2718.283162711318	69.2814212652572	69.2814212652572	69.2814212652572
671	ic	6591	71258.85867307335	79767.7170250766	-00.060534141491886	-00.0548504	366027.469005589	425168.75	2846.4459198158	2748.813360825051	2716.373820163078	70.35453456476	70.35453456476	70.35453456476
672	ic	6592	71918.85867307335	79767.7170250766	-00.06053364681905	-00.0546237	366228.5102422032	425164.791784155	2843.64557254293	2747.401072181666	2714.5451741278653	71.6559247246593	71.6559247246593	71.6559247246593
673	ic	6593	72578.85867307335	79767.7170250766	-00.06053313336105	-00.0543913	366429.534931986	425160.8320979631	2840.583923568037	2746.208247996175	2712.707217467359	72.391881205639	72.391881205639	72.391881205639
674	ic	6594	73238.85867307335	79767.7170250766	-00.060532667556118	-00.0541593	366630.565429907	425156.867	2838.06419438368	2745.0754748527	2712.065417561483	73.59603813	73.59603813	73.59603813
675	ic	6595	73898.85867307335	79767.7170250766	-00.0605321692937674	-00.0539282	366834.616816474	425152.86162293	2836.1516113826	2744.1915113826	2710.79859897687	74.638300321188	74.638300321188	74.638300321188
676	ic	6596	74558.85867307335	79767.7170250766	-00.0605316624917116	-00.0536942	367033.624851098	425148.942	2834.322485108	2742.608972787916	2707.79581541057	75.084230280213	75.084230280213	75.084230280213
677	ic	6597	75218.85867307335	79767.7170250766	-00.06053153227294	-00.05346183	367233.606589805	425144.97985253	2831.0930548908136	2741.4011985804	2706.312009438936			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgs.f	BRfElevBothKgs.f	SatThKgs.f	SatThBoth.f
19	6679	-359061.1413	796333.3170250766	39.0607738979223	-102.0635638	234921.4630873008	4237988.821169521	3981.684629	3684.7833251959264	3880.5116229494665	3882.80163826565	0	0	
20	6680	-358401.1413	796333.3170250766	39.06079827311706	-102.0612405	2350126.321334672	4237984.705315313	3976.3710626425565	3883.592217150045	3879.5018536412587	3881.68126341025	0	0	
21	6681	-357741.1413	796333.3170250766	39.060822621381196	-102.058871	235323.76293173174	4237986.762468907	3971.058091907332	3881.917674689073	3879.397147031868	3880.570147031868	0	0	
22	6682	-357081.1413	796333.3170250766	39.06084692749463	-102.0565038	235524.9424	4237979.660110272	3965.7448235710074	3860.4790374949	3877.0737318	3879.012559537048	0	0	
23	6683	-356421.1413	796333.3170250766	39.06087118332725	-102.0542704	235726.1016911827	4237978.538759422	3963.0953780427233	3859.0379285172867	3875.9963387384287	3877.7060331731704	0	0	
24	6684	-355761.1413	796333.3170250766	39.060893699808	-102.0519471	235927.2606856058	4237976.488576348	3963.1049624712134	3857.95185180375	3874.834188557105	3876.4412305187801	0	0	
25	6685	-355011.1413	796333.3170250766	39.06091956578006	-102.0496238	236128.4194179664	4237964.38561044	3963.116145149864	3856.14134796885	3874.031361586673	3874.846685386108	0	0	
26	6686	-35441.1413	796333.3170250766	39.06094366970014	-102.0473004	236329.5778886434	4237960.328713501	3962.127326558471	3854.686129366078	3871.2170474704066	3873.888163317424	0	0	
27	6687	-353791.1413	796333.3170250766	39.060967768914956	-102.0448971	236530.73609730556	4237956.259837513	3961.29044949474	3853.22594516073	3870.676763872145	3869.383175123293	0	0	
28	6688	-353121.1413	796333.3170250766	39.06099180227376	-102.0426357	236731.8940466728	4237952.18562167	3960.516436465222	3851.760579420976	3869.3220460490573	3868.0273878073	0	0	
29	6689	-352461.1413	796333.3170250766	39.06101572324464	-102.0403304	236933.0517306422	4237948.120177372	3968.727115721624	3850.2901240106003	3856.676584960053	3858.396188387078	0	0	
30	6690	-351801.1413	796333.3170250766	39.06103973667004	-102.0380071	237134.2091554522	4237944.051000811	3971.027794970252	3848.8143699700286	3850.57454449493	3852.3573901338223	0	0	
31	6691	-351141.1413	796333.3170250766	39.0610633624722	-102.0356837	237335.366420685	4237940.381889953	3968.3068008080083	3847.33276663636	3844.09780472913	3848.7654241673573	3.2248726134500794	1.5762359190056042	
32	6692	-350481.1413	796333.3170250766	39.0610874909408	-102.0333604	237536.523324464	4237935.31148837	3961.07128831213916	3846.849668140417	3837.237961055701	3839.2356761311357	6.890907758340795	6.611298226805909	
33	6693	-349821.1413	796333.3170250766	39.0611130073633	-102.031037	237737.67996704988	4237931.844454471	3952.89171397176	3844.361452776935	3829.8886161629347	3833.457625157863	14.47263661403007	10.903827263148742	
34	6694	-349161.1413	796333.3170250766	39.06113506715445	-102.0287136	237938.8365030377	4237927.775969756	3945.225480242998	3842.874096571161	3822.0481026112177	3825.421781757923	20.82590405934315	17.4523141790238138	
35	6695	-348501.1413	796333.3170250766	39.06115875794441	-102.0263903	238139.99427300343	4237923.707831769	3935.9543739885876	3841.38449661161	3813.744353450216	3815.7686827292044	27.400411206239605	25.16668381956766	
36	6696	-347841.1413	796333.3170250766	39.06118246100294	-102.0240669	238341.14833615982	4237919.63964181	3935.113194	3839.8917189801423	3805.0861141519804	3806.86028221672	34.85604428261794	33.103143275797538	
37	6697	-347181.1413	796333.3170250766	39.061260901340054	-102.0214736	238542.3038970714	4237915.51458878	3941.272013054312	3838.3947987750207	3796.3215387844684	3797.796269208426	40.8723959055229	40.58927674652813	
38	6698	-346521.1413	796333.3170250766	39.06129676805766	-102.0194202	238743.455283835	4237911.503623063	3948.8326560552863	3837.949150648011	3789.077433898562	3840.11446286011	47.51881122	47.51881122	
39	6699	-345861.1413	796333.3170250766	39.06123173739997	-102.0170968	238944.6148479993	4237907.435667723	3995.304627354206	3836.39645546065	3780.8118671358952	3783.472477922928	54.547778410169984	53.94416726309719	
40	6700	-345201.1413	796333.3170250766	39.061276917312263	-102.0147739	239154.76919475413	4237903.398467152	3980.041523655167	3833.874398708216	3776.45914006526	3776.79792923957	59.4714291169958	58.0724667462897	
41	6701	-344541.1413	796333.3170250766	39.06130243589716	-102.0124651	239364.78951852419	4237899.311257474	3984.26044949474	3832.96385858978	3774.8241981807184	3771.4723444564947	64.589177502404	63.4549177502404	
42	6702	-343881.1413	796333.3170250766	39.06132369553224	-102.011028	239548.070705028	4237895.236696995	3984.916556252407	3830.831159289133	3773.826867772596	3772.8623066615286	57.00024714933174	55.13865206778756	
43	6703	-343221.1413	796333.3170250766	39.06134698101024	-102.0078034	239749.232107061	4237891.136964935	3874.9704702608073	3829.891566792152	3774.368529768846	3772.9260271103534	56.37312958679918	54.732162958679918	
44	6704	-342561.1413	796333.3170250766	39.061370247297134	-102.005548	239950.38991273563	4237887.100135438	3871.399737449846	3827.79390164587	3775.55890936335	3773.251081	52.2004948225208	54.508309560701	
45	6705	-341901.1413	796333.3170250766	39.061393518661504	-102.0031567	240151.53946479594	4237884.10344118	3867.811077848182	3826.211578508854	3776.1721235554496	3776.428281891202	50.0390342954651	53.72487595688323	
46	6706	-341241.1413	796333.3170250766	39.061416745154084	-102.0008333	240352.6927239152	4237878.96880432	3864.231671877786	3824.634036976583	3776.29079610864	3772.322212730525	52.33195239040515	52.33195239040515	
47	6707	-340581.1413	796333.3170250766	39.06143981704946	-101.9984998	240563.8457418302	4237874.14857354	3861.02898458978	3823.96385858978	3774.8241981807184	3771.4723444564947	51.29891464122147	50.0724667462897	
48	6708	-339921.1413	796333.3170250766	39.06146303523635	-101.9961685	240749.985032094	4237870.13445916	3852.012356712087	3821.509009	3774.195291273384	3770.67657305593	48.8270116506928	50.5925757659628	
49	6709	-339261.1413	796333.3170250766	39.061486195240058	-101.9938362	240956.1510074434	4237866.769	3840.3751960276	3819.920154805412	3773.819546990776	3768.928573093374	46.0285701063534	50.99158711746228	
50	6710	-338601.1413	796333.3170250766	39.06150920240553	-101.9915398	241157.3032547297	4237862.70281846	3841.5486987184965	3818.9139661549158	3773.828035275125	3769.247045809015	44.7373087979081	49.07229157182025	
51	6711	-337941.1413	796333.3170250766	39.06153254033849	-101.9892164	241358.4552452766	4237858.637	3825.71107772298	3816.7059157985545	3771.8248233458856	3767.9982302030003	45.22343245266893	48.707685955427	
52	6712	-337281.1413	796333.3170250766	39.061555161799376	-101.986893	241559.60897928816	4237854.51538165	3822.87349695815	3815.09139466543	3769.520462724107	3766.761379203416	45.5867674237456	48.7117602312855	
53	6713	-336621.1413	796333.3170250766	39.06157807418176	-101.9845897	241759.5496599828	4237850.506217706	3820.039534105447	3813.43309868888	3767.882004905568	3765.372697891943	45.56630064319985	48.712428894868	
54	6714	-335961.1413	796333.3170250766	39.06160034170496	-101.9822463	241961.3967852419	4237846.41264424	3817.200841295273	3812.78302989297	3774.8241981807184	3771.4723444564947	45.489177502404	44.589177502404	
55	6715	-335301.1413	796333.3170250766	39.06162374534916	-101.9799229	242163.0606415764	4237842.36709512	3814.79382	3810.112359743623	3762.706280714794	3761.6914475183036	44.7006252882866	48.4208893332871	
56	6716	-334641.1413	796333.3170250766	39.06164652412158	-101.9775995	242364.21135407616	4237838.31216766	3812.819532605303	3808.420678130187	3761.15647	3759.71425930287	47.26955761373847	49.171789073926	
57	6717	-333981.1413	796333.3170250766	39.0616697502157	-101.9752761	242565.3618084822	4237834.246611579	3810.8432470891394	3806.732265495063	3758.1045965795165	3757.521075131853	47.16862997	49.202168632099	
58	6718	-333321.1413	796333.3170250766	39.06169196304924	-101.9729527	242766.5120075822	4237830.18212842	3808.86796817739	3805.02288417734	3756.951988090999	3753.361333924594	48.0503041073496	48.0503041073496	
59	6719	-332661.1413	796333.3170250766	39.0617146024055	-101.9706293	242967.6619515798	4237826.17813848	3811.018931873366	3802.98860715953	3754.996347804184	3753.055102649677	48.0503041073496	50.2003568905824	
60	6720	-332001.1413	796333.3170250766	39.06173720447498	-101.9683039	243168.6141005139	4237822.05366723	3816.47204479233	3801.50205776704	3753.271604279519	3754.276339129749	48.0503041073496	52.33195239040515	
61	6721	-331341.1413	796333.3170250766	39.0617602667786	-101.965983	243369.7857987519	4237818.195029297	3814.79382	3800.112359743623	3762.706280714794	3761.6914475183036	44.7006252882866	48.4208893332871	
62	6722	-330681.1413	796333.3170250766	39.0617822664101	-101.9636592	243571.11020159	4237814.359593793	3813.955844319524	3797.50511736232	3750.958843813962	3762.706280714794	44.7006252882866	48.4208893332871	
63	6723	-330021.1413	796333.3170250766	39.0617940301146	-101.9613358	243772.2591806522	4237810.6822789	3813.955844319524	3797.50511736232	3750.958843813962	3762.706280714794	44.7006252882866	48.4208893332871	
64	6724	-329361.1413	796333.3170250766	39.061812714893494	-101.9590124	243974.078521042	4237805.799	3803.06832139245	3794.54225366325	3746.08684642435	3746.718012229519	47.1673590389984	47.53621141733435	
65	6725	-328701.1413	796333.3170250766	39.06184952281469	-101.956689	244174.5562698934	4237801.73451356	3826.030586071927	3792.3980387623	3744.00201527697	3744.58408987315	48.3686339485309	47.83922594	

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatHtBothKgrg.ft	SatBoth.ft	
145	18	6805	-275901.1413	7983337.3170250766	39.06349045642656	-101.7708127	260265.625407606406	3427477.2127608885	3622.650519598217	3596.839775407383	3508.3313260520235	3510.2040582020995	88.50844935535952	86.6357172025833
146	18	6806	-275241.1413	7983337.3170250766	39.06351278474984	-101.7684892	260466.75400406153	3572.017316296399	3620.0916572143357	3593.567498207682	3502.211330459127	3503.901119926523	91.7466715485485	90.05637900842567
147	18	6807	-274681.1413	7983337.3170250766	39.06351474988125	-101.7661167	260687.8620155322	3572.017316296399	3613.3776679	3591.0636501913746	3495.383492471756	3496.039489696313	95.8659512	94.86977004747329
148	18	6808	-273921.1413	7983337.3170250766	39.06355012833867	-101.7638422	260889.15003615674	3572.017316296399	3603.508176803984	3488.181074772423	3488.427770272117	3487.9673606	99.73469114	99.73469114
149	18	6809	-273261.1413	7983337.3170250766	39.063568732816655	-101.7615187	261070.13818492508	3572.017316296399	3593.64054665362027	3585.2421372224925	3480.546768953498	3480.3176932562408	104.6953662703335	104.9224436802606
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151	18	6811	-271941.1413	7983337.3170250766	39.063605807148534	-101.7568717	261472.3921241875	3572.017316296399	3577.495268457571	3577.495268457571	3469.914642205551	3469.914642205551	108.350100023349	108.350100023349
152	18	6812	-271281.1413	7983337.3170250766	39.0636247700058	-101.7545482	261673.52039927117	3572.017316296399	3574.8073824765097	3470.84164818609	3469.66820233897	3470.84164818609	105.1391742381727	105.1391742381727
153	18	6813	-270621.1413	7983337.3170250766	39.06364276197667	-101.7522247	261874.647116507878	3572.017316296399	3572.1184964854483	3471.194964954483	3469.953044247156	3469.953044247156	102.166452536934	102.166452536934
154	18	6814	-269961.1413	7983337.3170250766	39.06365106207508	-101.7499011	262075.7375871793	3572.017316296399	3569.431610514388	3469.431610514388	3468.680794547173	3468.680794547173	100.7653105291491	100.7653105291491
155	18	6815	-269301.1413	7983337.3170250766	39.063679417300726	-101.7475776	262276.80063581833	3572.017316296399	3568.2424502118315	3567.545645113187	3465.83492584171	3465.83492584171	101.670505321307	101.670505321307
156	18	6816	-268641.1413	7983337.3170250766	39.06369770448664	-101.7452541	262478.0263867844	3572.017316296399	3571.5520155779078	3564.564191570708	3461.3209865699237	3460.99743591551	103.24230500378508	103.5644479193575
157	18	6817	-267981.1413	7983337.3170250766	39.06371595312406	-101.7429306	262679.1527260006	3572.017316296399	3573.8615809632776	3564.543969144214	3454.8418821919977	3453.972681815085	106.7235147224237	107.160158009393683
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161	18	6821	-265341.1413	7983337.3170250766	39.0637884625486	-101.7336365	263483.6537789947	3572.017316296399	3574.3987678939235	3549.5845399616916	3458.06463556364	3464.6220947912347	104.84396630532713	104.84396630532713
162	18	6822	-264681.1413	7983337.3170250766	39.06380650734554	-101.731313	263684.77854420315	3572.017316296399	3573.210445353694	3546.5260038295915	3465.9672943230047	3465.9672943230047	79.96913747	80.5392586093735
163	18	6823	-264021.1413	7983337.3170250766	39.06382443559934	-101.7289895	263885.903756032	3572.017316296399	3570.002217255497	3543.495224057891	3466.9042949744353	3466.172153	76.59092903835555	77.32073058262086
164	18	6824	-263361.1413	7983337.3170250766	39.06384241489796	-101.7266569	264087.0273739924	3572.017316296399	3564.761613172531	3540.456138471231	3466.338704819083	3466.172153	75.50996163283344	75.50996163283344
165	18	6825	-262701.1413	7983337.3170250766	39.06386203135904	-101.7243424	264288.1514737984	3572.017316296399	3559.5210097381636	3547.30488875291295	3464.9829509771155	3464.9829509771155	74.4259364421398	73.701305751112
166	18	6826	-262041.1413	7983337.3170250766	39.06387814294481	-101.722189	264489.2762699974	3572.017316296399	3552.739220754797	3543.365315058984	3461.4716052313747	3461.4716052313747	72.9360141558667	72.9360141558667
167	18	6827	-261381.1413	7983337.3170250766	39.06389471948674	-101.720034	264698.0845632097	3572.017316296399	3550.234982787174	3540.234982787174	3459.5845447192	3459.5845447192	71.8146798174242	71.8146798174242
168	18	6828	-260721.1413	7983337.3170250766	39.06391389148557	-101.7173718	264891.5222326361	3572.017316296399	3550.776527658284	3528.219714660214	3459.8541635516417	3456.9736527973654	68.9050110387071	71.8422218262497
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171	18	6831	-258741.1413	7983337.3170250766	39.063966677723435	-101.7104012	265494.8909342494	3572.017316296399	3548.199214752531	3518.967913249085	3450.9234871371731	3450.9234871371731	71.88695493784414	71.88695493784414
172	18	6832	-258081.1413	7983337.3170250766	39.06398425004941	-101.7080777	265696.0137058167	3572.017316296399	3538.991096679819	3515.854797287302	3443.22204458965	3443.814288581576	72.625928283374	72.625928283374
173	18	6833	-257421.1413	7983337.3170250766	39.06399977748674	-101.7058246	265897.1357515177	3572.017316296399	3538.762978648182	3515.762978648182	3443.22204458965	3443.814288581576	73.09148164432714	73.09148164432714
174	18	6834	-256761.1413	7983337.3170250766	39.0640193007414	-101.7034306	266098.054561462	3572.017316296399	3537.5748054514	3510.625489585037	3439.6732363833	3437.655545547192	71.9352647016	71.9352647016
175	18	6835	-256101.1413	7983337.3170250766	39.06403699776354	-101.7011071	266299.379289425	3572.017316296399	3536.4808499048	3506.4808499048	3432.53524545089	3431.615790359918	71.8825014022647	71.8825014022647
176	18	6836	-255441.1413	7983337.3170250766	39.0640540058652	-101.6987836	266500.5008003372	3572.017316296399	3535.30463210634	3429.13770359132	3429.81614316622	3429.81614316622	72.2669695	73.5512169
177	18	6837	-254781.1413	7983337.3170250766	39.06407143852892	-101.69646	266701.6220799058	3572.017316296399	3534.9092128404339	3499.021218404339	3428.10666090754	3429.81614316622	69.9154574975852	69.9154574975852
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180	18	6840	-252801.1413	7983337.3170250766	39.0641221309508	-101.689484	267304.96353007	3572.017316296399	3530.534194051752	3480.534194051752	3424.28160710687	3424.28160710687	64.418013727408	64.418013727408
181	18	6841	-252141.1413	7983337.3170250766	39.064140381530024	-101.6871658	267506.104892241	3572.017316296399	3528.581346558493	3477.581346558493	3422.96996723474	3422.96996723474	65.28713895271024	65.28713895271024
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183	18	6843	-250821.1413	7983337.3170250766	39.06417458376902	-101.6825188	267908.3494189726	3572.017316296399	3516.025498351088	3481.224407515501	3417.912462627684	3417.912462627684	63.31200424791677	64.0692616228404
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185	18	6845	-249501.1413	7983337.3170250766	39.0642080649997	-101.6778717	268310.5842605474	3572.017316296399	3514.08572842213	3474.8370491545993	3414.746041459654	3414.746041459654	61.0910771965851	61.0910771965851
186	18	6846	-248841.1413	7983337.3170250766	39.0642255054807	-101.6755481	268511.7032734917	3572.017316296399	3512.74017406304	3471.51769335271	3410.450771100936	3410.450771100936	60.127600828334	60.127600828334
187	18	6847	-248181.1413	7983337.3170250766	39.0642429672284	-101.673224	268712.8346734315	3572.017316296399	3511.489373484796	3469.421769334879	3408.7610298249	3408.7610298249	58.89923744723	58.89923744723
188	18	6848	-247521.1413	7983337.3170250766	39.0642603401826	-101.670901	268913.9407144366	3572.017316296399	3510.480974466933	3465.201543631107	3407.39374916658	3407.39374916658	57.8124051764552	57.8124051764552
189	18	6849	-246861.1413	7983337.317025										

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBotKrg.ft	SatThkLogs.ft
271	10	6931	-192741.1413	79.333333333333	39.0655017691366	-101.4780428	285606.0206372303	4327.55555020596	3242.933162	3230.735576612884	3216.3222485009864	8.610913734
272	10	6932	-192081.1413	79.333333333333	39.06551485	-101.4757191	285807.1209102654	4326.964226064291	3432.96347505594	3231.872096165493	3211.042512774332	7.825986842
273	10	6933	-191421.1413	79.333333333333	39.0655278905707	-101.4738633	286008.22092172	4325.991197	3428.401918996214	3229.833054	3215.563032724515	7.28989854275082
274	10	6934	-190761.1413	79.333333333333	39.065540848039366	-101.4719719	286209.3206628827	4326.95616898006	3423.839024759434	3228.81447794354	3213.916406576841	6.68942081851337
275	10	6935	-190101.1413	79.333333333333	39.0655538468216	-101.4687482	286410.4206246402	4326.969140705814	3418.7269618125045	3228.164564602375	3213.120496485278	6.683580518666214
276	10	6936	-189441.1413	79.333333333333	39.0655673967534	-101.4662426	286611.5198917669	4326.9684112585041	3413.1726317172903	3226.651027605975	3212.026316097975	7.810845629928281
277	10	6937	-188781.1413	79.333333333333	39.0655795978888	-101.4644101	286812.61911041103	4326.96840382082	3407.5823260638817	3218.873253613147	3220.027242321666	7.532264984961477
278	10	6938	-188121.1413	79.333333333333	39.06559251022806	-101.4617773	287013.71811877924	4326.940.056841533	3401.991999	3217.933015889587	3228.281161463033	3209.991043.0863
279	10	6939	-187461.1413	79.333333333333	39.06559518537706	-101.4598437	287214.8169170739	4326.938.02921873	3397.728178526287	3217.008810666307	3228.440891042685	3209.009039683172
280	10	6940	-186801.1413	79.333333333333	39.065611791	-101.4571301	287415.9150550156	4326.932.001762025	3384.726502272303	3216.10363844795	3227.531257038173	3212.760490773975
281	10	6941	-186141.1413	79.333333333333	39.06563091446435	-101.4548064	287617.0138842657	4327.97947125415	3381.8565693784143	3215.2174751265156	3226.574849729088	3210.95757898898
282	10	6942	-185481.1413	79.333333333333	39.06564323	-101.4524828	287818.1120535707	4326.97347346457	3388.920507684523	3213.47458259413	3225.590662233514	3211.350246589664
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285	10	6945	-183501.1413	79.333333333333	39.065680807	-101.4459119	288421.4050536761	4326.9711867	3388.208161879452	3211.81326423297	3228.956948454577	3205.893210436303
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289	10	6949	-180861.1413	79.333333333333	39.065730420534846	-101.4362173	289225.7934910916	4326.9685.762117651	3354.88038858188	3208.577050201199	3227.405542596393	3196.038304369246
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291	10	6951	-179541.1413	79.333333333333	39.06575429011108	-101.43157	289627.982653903	4326.97710689091	3327.209490216678	3207.07114488581	3225.842286	3189.91578540978434
292	10	6952	-178881.1413	79.333333333333	39.06576711927473	-101.4292463	289829.0823713598	4326.983.68523355	3314.539635601424	3206.251895857396	3225.11907255956	3186.489994400932
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301	10	6961	-172941.1413	79.333333333333	39.06587477857194	-101.4083335	291638.9342833035	4326.9847463499238	3218.708732	3199.702799098085	3213.7048468236167	3188.862636805766
302	10	6962	-172281.1413	79.333333333333	39.06588516687286	-101.4060098	291840.0186317363	4326.9843.49692433	3211.243527170636	3199.122949544066	3210.286608812326	3188.826490302662
303	10	6963	-171621.1413	79.333333333333	39.06589821	-101.4036862	292041.125662405	4326.9839.416051449	3203.3359614340675	3198.462381088324	3203.3359614340675	3188.830823827253
304	10	6964	-170961.1413	79.333333333333	39.0659095827729	-101.4013625	292242.2192902045	4326.983.392576279	3194.96032846313	3194.96032846313	3214.96032846313	3187.84602846313
305	10	6965	-170301.1413	79.333333333333	39.06592146715189	-101.3990388	292443.3217071458	4326.983.39626914	3186.630142555558	3196.630142555558	3215.683364306557	3186.630142555558
306	10	6966	-169641.1413	79.333333333333	39.06593302346522	-101.3967152	292644.40549813	4326.982.54112349	3178.269175670835	3178.269175670835	3216.3674879280356	3178.269175670835
307	10	6967	-168981.1413	79.333333333333	39.06594453406024	-101.394315	292845.49891039025	4326.9823145576	3175.804054250575	3175.804054250575	3215.683364306557	3175.804054250575
308	10	6968	-168321.1413	79.333333333333	39.0659600289302	-101.3920679	293046.5917055672	4326.981.300333583	3179.1897405213213	3179.1897405213213	3215.683364306557	3179.1897405213213
309	10	6969	-167661.1413	79.333333333333	39.06596742684727	-101.3897442	293247.6842968061	4326.9815.278	3182.57426617584	3182.57426617584	3215.683364306557	3182.57426617584
310	10	6970	-167001.1413	79.333333333333	39.06597808952023	-101.3874025	293448.776681351	4326.981122138473	3185.9611127138473	3185.9611127138473	3215.683364306557	3185.9611127138473
311	10	6971	-166341.1413	79.333333333333	39.065990140112774	-101.3850969	293649.8688829567	4326.982323992235	3188.599359667221	3188.599359667221	3215.683364306557	3188.599359667221
312	10	6972	-165681.1413	79.333333333333	39.06600142942492	-101.3827372	293850.9606489541	4326.983.7107340325	3190.490159377704	3190.490159377704	3215.683364306557	3190.490159377704
313	10	6973	-165021.1413	79.333333333333	39.0660139245568	-101.3804913	294059.188790115	4326.982182568586	3188.6791788186	3188.6791788186	3215.683364306557	3188.6791788186
314	10	6974	-164361.1413	79.333333333333	39.0660237304787	-101.3781259	294253.144021121	4326.976.16624666	3194.271176419872	3194.271176419872	3215.683364306557	3194.271176419872
315	10	6975	-163701.1413	79.333333333333	39.06603502807862	-101.3758022	294454.2355734044	4326.979.15290046	3200.160551984625	3191.1556934383308	3200.160551984625	3191.1556934383308
316	10	6976	-163041.1413	79.333333333333	39.066046137868895	-101.3734786	294655.327424547	4326.9771.12804052	3200.880251454503	3190.5834532835047	3200.880251454503	3190.5834532835047
317	10	6977	-162381.1413	79.333333333333	39.06605720277885	-101.3711549	294856.417095964	4326.9783.102484672	3199.656983080805	3190.0123013299317	3208.7488730051336	3197.7245891483265
318	10	6978	-161721.1413	79.333333333333	39.0660682280785	-101.3688312	295057.508474588	4326.979.01831001	3229.432714677966	3189.4005219813125	3209.468776677673	3193.977958478773
319	10	6979	-161061.1413	79.333333333333	39.06607918785668	-101.3669576	295258.5993777145	4326.979.660341231	3208.46429444317	3188.867952855594	3208.46429444317	3194.24713456557
320	10	6980	-160401.1413	79.333333333333	39.0660912822454	-101.3641839	295459.0569315989	4326.9771.039518052	3258.127631516205	3198.203326752	3204.243355103465	3194.92547190164
321	10	6981	-159741.1413	79.333333333333	39.0661013161196	-101.3618602	295660.77955912135	4326.9767.01860556	3273.992138279777	3177.7766758084	3200.3004833361812	3195.1078080055
322	10	6982	-159081.1413	79.333333333333	39.06611185411879	-101.3595366	295861.8696178054	4326.976.9983671	3289.8701397397513	3187.142006	3209.106814310136	3195.34638585706
323	10	6983	-158421.1413	79.333333333333	39.06612264974498	-101.3572129	296062.9592754158	4326.978.97042598	3304.080093746201	3186.5658382637857	3206.2	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SurElevLogsKrg.ft	LatBoth.ft
397	70	-109581.1413	796337.3170250766	39.06679698098171	-101.1852596	10943.0579385816	4326461.933101134	3278.8164149757986	314.73445884081664	3114.139362099846	3116.2888370846094	20.595093704320334	18.445618719556933
398	70	-108921.1413	796337.3170250766	39.06680441	-101.1823839	111144.1331985397	4326457.925178398	3278.81649607983997	313.43246940512154	3112.1385297272788	3114.5013270167107	21.886186778427195	17.58146033108276
399	70	-108261.1413	796337.3170250766	39.06681176515414	-101.1806122	113145.2082729876	4326457.925178399	3278.81649607983997	311.43246940512154	3112.1385297272788	3114.5013270167107	22.480168849402767	20.386816698309475
400	70	-107601.1413	796337.3170250766	39.06681913491354	-101.1782855	115546.281621071	432645.909082171	3268.2310982467984	311.909565730001	3110.6175210884504	3113.571220896151	21.34363934291676	
401	70	-106841.1413	796337.3170250766	39.0668264297357	-101.1759647	117147.3578661032	432645.909082171	3268.2310982467984	311.909565730001	3110.6175210884504	3113.571220896151	21.34363934291676	
402	70	-106281.1413	796337.3170250766	39.06683367979158	-101.173641	119484.432851803	432641.8951324	3258.653502529283	310.14632147638	3104.86214228617	3105.41125323212	22.480168849402767	20.386816698309475
403	70	-105621.1413	796337.3170250766	39.0668408480762	-101.1713713	121249.5607195434	432637.888040222	3257.04606736338	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
404	70	-104961.1413	796337.3170250766	39.06684845141626	-101.168936	123584.5809	432634.881104949	3258.12276167692	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
405	70	-104301.1413	796337.3170250766	39.06685516043824	-101.166689	125651.654324046	432634.881104949	3258.12276167692	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
406	70	-103641.1413	796337.3170250766	39.06686223095357	-101.164542	127852.7286139626	432625.867738873	3250.269515229983	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
407	70	-102981.1413	796337.3170250766	39.0668695655147	-101.1620224	129633.0021394485	432621.861301609	3258.33638013217	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
408	70	-102321.1413	796337.3170250766	39.06687623725729	-101.1596987	131545.876278081	432617.855205384	3256.395758025034	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
409	70	-101661.1413	796337.3170250766	39.06688317081004	-101.157375	133555.94885818084	432613.848922112	3248.4567382277836	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
410	70	-101001.1413	796337.3170250766	39.0668906402271	-101.1550513	135557.0219052711	432609.482479966	3243.5170141350667	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
411	70	-100341.1413	796337.3170250766	39.06689891062226	-101.1527278	137584.9947692503	432605.337202088	3238.121389419067	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
412	70	-99681.1413	796337.3170250766	39.066903711259864	-101.150438	13959.1645041806	432601.831590129	3236.7421761458796	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
413	70	-99031.1413	796337.3170250766	39.0669104755489	-101.1480801	14160.239498889	432603.86143027	3233.672133506603	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
414	70	-98361.1413	796337.3170250766	39.066911778968126	-101.1457564	143631.312648875	432603.86143027	3233.672133506603	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
415	70	-97701.1413	796337.3170250766	39.06692384549914	-101.1434327	14562.384398628	432603.86143027	3233.672133506603	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
416	70	-97041.1413	796337.3170250766	39.066930467151245	-101.141109	147634.4564502645	432601.831590129	3227.210067629396	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
417	70	-96381.1413	796337.3170250766	39.06693704391788	-101.1387852	14964.5220209765	432601.831590129	3227.210067629396	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
418	70	-95721.1413	796337.3170250766	39.06694537802306	-101.1364815	15155.5998062821	432601.831590129	3227.210067629396	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
419	70	-95061.1413	796337.3170250766	39.0669521429866	-101.134178	15357.938624945	432601.831590129	3227.210067629396	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
420	70	-94401.1413	796337.3170250766	39.06695505402452	-101.1318141	15567.7424052754	432603.7982509	3225.0545032714167	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
421	70	-93741.1413	796337.3170250766	39.066952016232	-101.1294903	15768.813849973	432603.7982509	3225.0545032714167	312.9291238971058	3103.572210557764	3104.50133551786	25.644622431320954	21.74142616298173
422	70	-93081.1413	796337.3170250766	39.06695924517836	-101.127166	15969.884348361	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
423	70	-92421.1413	796337.3170250766	39.06697556199112	-101.1248429	16170.9550316506	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
424	70	-91761.1413	796337.3170250766	39.0669818245213	-101.1225192	16372.0253424396	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
425	70	-91101.1413	796337.3170250766	39.0669884229866	-101.1201964	16578.938624945	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
426	70	-90441.1413	796337.3170250766	39.06699511717375	-101.1178717	16774.7173530595	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
427	70	-89781.1413	796337.3170250766	39.06700340613466	-101.115548	16975.23561541	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
428	70	-89121.1413	796337.3170250766	39.0670064261229	-101.1132243	17176.3054744946	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
429	70	-88461.1413	796337.3170250766	39.06701246340279	-101.1109005	17377.373480495	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
430	70	-87801.1413	796337.3170250766	39.06701845759995	-101.1085768	17578.4447740974	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
431	70	-87141.1413	796337.3170250766	39.0670244601478	-101.106251	17779.51401777955	432633.717106699	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
432	70	-86481.1413	796337.3170250766	39.0670303472725	-101.103924	17980.583043454	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
433	70	-85821.1413	796337.3170250766	39.067036189197326	-101.1016536	18181.6519272691	432637.7152	3174.38309404107	309.1482397	3046.099991030243	3044.148312377096	52.0483760214549	33.9998337406926
434	70	-85161.1413	796337.3170250766	39.06704198196505	-101.0992819	18382.7208619941	432633.7152	3174.38309404107	309.1482397	3046.099991030243	3044.148312377096	52.0483760214549	33.9998337406926
435	70	-84501.1413	796337.3170250766	39.0670477508308	-101.0969582	18583.7881344583	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
436	70	-83841.1413	796337.3170250766	39.067053474853296	-101.0946344	18784.857566934	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
437	70	-83181.1413	796337.3170250766	39.067059153973815	-101.0923107	18985.9257426575	432631.78437815	3168.55884669433	311.22729611504	3051.1365243066	3050.946915234605	60.1364372650456	60.280360396492
438	70	-82521.1413	796337.3170250766	39.067065479	-101.08997	19186.9837402196	432629.743551741	3167.92738472566	309.76192394054	3035.26876979111	3032.98354	55.52452884034	57.8113684
439	70	-81861.1413	796337.3170250766	39.0670718076756	-101.08764	19387.9676756	432629.743551741	3167.92738472566	309.76192394054	3035.26876979111	3032.98354	55.52452884034	57.8113684
440	70	-81201.1413	796337.3170250766	39.067075920240765	-101.085395	19589.129052891	432629.743551741	3167.92738472566	309.76192394054	3035.26876979111	3032.98354	55.52452884034	57.8113684
441	70	-80541.1413	796337.3170250766	39.06708142163149	-101.0830158	19790.1967200174	432628.740536363	3167.1122962407	308.653729942215	3028.84508773897	3024.73853859347	59.169221681802	61.596768238023
442	70	-79881.1413	796337.3170250766	39.067086736739786	-101.0806921	19991.2639619722	432628.740536363	3167.1122962407	308.653729942215	3028.84508773897	3024.73853859347	59.169221681802	61.596768238023
443	70	-79221.1413	796337.3170250766	39.067092286165604	-101.0783683	20192.3310740716	432627.739359595	3164.29554514195	308.27956783525	3026.4684386767			

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	AtfElev.f	SurfBoth.f
520	7183	-26421.14133	798337.3170250766	-00.89248689	336277.14640761087	4235958.232274182	2019.219460747525	2938.5882339963714	2938.5882339963714	2940.6910243517796	22.445687305670078	20.36288270129262	20.36288270129262
524	7184	-26761.14133	798337.3170250766	-00.89734142657912	336487.2	4235954.245059044	2019.328440826266	2959.4963174335303	2937.293720106654	2939.1242413281993	22.19886514635494	20.37270470163306	20.37270470163306
525	7185	-25191.14133	798337.3170250766	-00.8878724	336679.2352962049	4235950.258679619	2019.347340900467	2957.3443238130545	2938.5481287303058	2938.29629090481	21.39823129464927	19.636102738441878	19.636102738441878
526	7186	-24441.14133	798337.3170250766	-00.87384405468444	-00.8854877	336860.30469533006	2019.37448807210084	2950.547600903523	2935.946707189704	2937.90075059327	22.44615161381947	18.78071627102554	18.78071627102554
527	7187	-23781.14133	798337.3170250766	-00.8636480238376	-00.8831739	337081.359483051	2019.42559422817842	2937.327283353699	2954.807926991576	2935.563457508446	2937.1104566392582	19.94446948313016	17.69740758601945
528	7188	-2231.14133	798337.3170250766	-00.8308502	337282.41233830084	4235952.2972888179	2019.3433804850707	2953.268933280525	2936.676091812074	2937.676091812074	17.27446607810245	16.5672800639935	16.5672800639935
529	7189	-22461.14133	798337.3170250766	-00.8785264	337483.46503413713	4235953.312	2019.3662339808	2951.677503739808	2935.004741832756	2936.235616880165	2937.2272302812471	15.44188685924552	15.44188685924552
530	7190	-21801.14133	798337.3170250766	-00.8762027	337684.6175712169	4235930.325423048	2019.3866537297078	2950.111037849828	2934.7431041644936	2935.784704844213	15.36693324032223	14.32595407043337	14.32595407043337
531	7191	-21141.14133	798337.3170250766	-00.8737678	337865.6999497452	4235926.258679619	2019.417294319178	2948.540962382547	2934.3521800466215	2935.146381462893	14.18878191964627	13.384579888961733	13.384579888961733
532	7192	-20461.14133	798337.3170250766	-00.8715552	338066.221169216	4235922.3531278	2019.4027823717459	2946.9702250815384	2933.7898904095933	2934.3684852914857	13.1812055269293	12.601743009264	12.601743009264
533	7193	-19821.14133	798337.3170250766	-00.8693234	338267.6187043896	4235918.367804398	2019.40537433115748	2945.397508313124	2933.032525246753	2934.72779580142	12.38262584557107	11.922773873298168	11.922773873298168
534	7194	-19161.14133	798337.3170250766	-00.8697064	338488.7261360505	4235914.3282959705	2019.405848825128306	2943.8224706006954	2931.876594967765	2932.22163759318	11.94581113293043	11.600838643717259	11.600838643717259
535	7195	-18501.14133	798337.3170250766	-00.8654839	338689.7779	4235910.3953869783	2019.42446741590875	2942.2446741590875	2930.222445615208	2930.4168586091	11.02487143897414	11.28781268292462	11.28781268292462
536	7196	-17841.14133	798337.3170250766	-00.8622601	33890.8294712384	4235906.411661671	2019.4017475664446	2940.63716546491	2927.7845102457813	2927.7845102457813	10.72470244527813	12.68662894849552	12.68662894849552
537	7197	-17181.14133	798337.3170250766	-00.8599364	339091.880092735	4235902.46850708	2019.4017475664446	2940.63716546491	2927.7845102457813	2927.7845102457813	10.72470244527813	12.68662894849552	12.68662894849552
538	7198	-16521.14133	798337.3170250766	-00.8576126	339292.3021771194	4235898.44711996	2019.4041725430167	2940.63716546491	2927.7845102457813	2927.7845102457813	10.72470244527813	12.68662894849552	12.68662894849552
539	7199	-15861.14133	798337.3170250766	-00.8552829	339483.982945793	4235894.456946439	2019.40436701	2935.89813788593	2927.1150907	2927.365218120647	10.727706315098	18.5315544021452	18.5315544021452
540	7200	-15201.14133	798337.3170250766	-00.8529651	339695.03425532696	4235890.4473432505	2019.40312901591393	2934.3012901591393	2913.7779297269444	2913.7779297269444	10.52336043244784	20.28260747263587	20.28260747263587
541	7201	-14541.14133	798337.3170250766	-00.8506414	339896.08055664	4235886.480406334	2019.4031368533305	2932.6993717138675	2911.130410009787	2911.398742191004	10.5689017048072	21.3005749486374	21.3005749486374
542	7202	-13881.14133	798337.3170250766	-00.8483176	340097.1357074975	4235882.50303703	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
543	7203	-13221.14133	798337.3170250766	-00.8459939	340298.1861993305	4235879.451973729	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
544	7204	-12561.14133	798337.3170250766	-00.8436701	340499.235	4235874.33582393	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
545	7205	-11901.14133	798337.3170250766	-00.8413418	340700.2681145047	4235869.451973729	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
546	7206	-11241.14133	798337.3170250766	-00.8390226	340901.3384020062	4235862.56807129	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
547	7207	-10581.14133	798337.3170250766	-00.8366989	341102.3867967845	4235856.08903362	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
548	7208	-9921.141327	798337.3170250766	-00.8343751	341303.4364204705	4235850.61843743	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
549	7209	-9261.141327	798337.3170250766	-00.8320514	341504.5848358873	4235845.618747548	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
550	7210	-8601.141327	798337.3170250766	-00.8297276	341705.533884354	4235840.636	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
551	7211	-7941.141327	798337.3170250766	-00.8274038	341906.56381968	4235835.6387963	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
552	7212	-7281.141327	798337.3170250766	-00.8250861	342107.6330256892	4235830.4762488	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
553	7213	-6621.141327	798337.3170250766	-00.8227564	342308.682676995	4235825.680851841	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
554	7214	-5961.141327	798337.3170250766	-00.8204326	342509.7345520514	4235820.78570516	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
555	7215	-5301.141327	798337.3170250766	-00.8181089	342710.780907337	4235820.732682011	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
556	7216	-4641.141327	798337.3170250766	-00.8157851	342911.828580774	4235820.732682011	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
557	7217	-3981.141327	798337.3170250766	-00.8134618	343112.876080875	4235820.732682011	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
558	7218	-3321.141327	798337.3170250766	-00.8111378	343313.923056892	4235818.73855979	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
559	7219	-2661.141327	798337.3170250766	-00.8088138	343514.919356592	4235814.797	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
560	7220	-2001.141327	798337.3170250766	-00.8064901	343716.0290749738	4235810.81562391	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
561	7221	-1341.141327	798337.3170250766	-00.8041663	343917.0686919216	4235804.83450318	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
562	7222	-681.1413269	798337.3170250766	-00.8018426	344118.112665565	4235802.85374084	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
563	7223	-21.14132693	798337.3170250766	-00.7995188	344319.163698705	4235802.85374084	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
564	7224	638.85867303514	798337.3170250766	-00.7971991	344520.210302925	4235804.789125249	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
565	7225	1318.85867303514	798337.3170250766	-00.7947638	344723.08934776	4235800.258679619	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
566	7226	1958.85867303514	798337.3170250766	-00.7924514	344922.304975713	4235796.931358335	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
567	7227	2618.85867303514	798337.3170250766	-00.7902238	345123.3518042135	4235782.951220455	2019.4017291800206	2930.25963699602	2909.25963699602	2909.25963699602	10.5689017048072	21.3005749486374	21.3005749486374
568	7228	3278.85867303514	798337.3170250766	-00.7879001	345324.39849267	4235778.79124278	2019.4017291800206	2930.25963699602					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfThLoth.ft	SurfThBoth.ft
48	7309	56738.8586770335	798337.3170250766	39.067249762389964	-100.5996764	361608.6950941517	4325457.136216115	2889.8240445638094	277.51475310533915	2733.620727926714	2733.815786945178	41.7967580677634	41.60174402182355
49	7310	57398.8586770335	798337.3170250766	39.067245891449248	-100.5973527	361809.7300635827	4325453.16936370	2887.934726945087	277.611195797081	2734.3533665	2734.589204049444	39.57159335995102	39.57159335995102
50	7311	58038.8586770335	798337.3170250766	39.0672418656272	-100.5960429	362010.7648990759	4325449.20202444	2886.96488945517	277.608814315287	2734.661447226967	2734.661447226967	37.2472419	36.80282448984827
52	7312	58718.8586770335	798337.3170250766	39.06723798491195	-100.5927052	362211.7996005335	4325445.20687671	2884.215616800185	277.61659762531194	2736.703029872233	2736.714606361282	34.95583438096128	34.948630071012425
653	7313	60378.8586770335	798337.3170250766	39.06723397	-100.5903814	362412.8316485795	4325441.20487672	2882.3514704276586	277.6041367265375	2737.980192830452	2742.0222982324863	32.4334243492338	31.9913184089958
654	7314	60378.8586770335	798337.3170250766	39.06722990858614	-100.5880577	362613.866802957	4325437.20804731	2880.361731695132	277.609166997375493	2739.582793597442	2739.992730164618	25.89806140107203	29.17696172108737
655	7315	60698.8586770335	798337.3170250766	39.06722580350407	-100.585734	362814.9020423715	4325433.3914184	2879.010585468307	277.607927947098494	2741.699815883314	2744.500210980071	22.22797612	25.773787700047076
656	7316	61338.8586770335	798337.3170250766	39.06722136256679	-100.5834102	363015.9370724978	4325437.33982113	2877.828405405706	277.6078773798982	2744.08434296132	2744.500210980071	22.22797612	22.18763500330725
657	7317	62018.8586770335	798337.3170250766	39.06721746	-100.5816865	363216.9711079443	4325435.4081438165	2876.854955662567	277.60549524785732	2745.098171731489	2745.098171731489	18.35337015267836	17.80417618629648
658	7318	62678.8586770335	798337.3170250766	39.067213181407	-100.5787627	363418.00501078105	4325421.442869048	2875.4814707126043	277.61423296731	2745.6203819	2751.190158279035	13.89248917274918	13.022140904302652
659	7319	63338.8586770335	798337.3170250766	39.0672083325863	-100.576439	363619.0388	4325414.47756201	2873.690711190902	277.62579169837267	2754.583083700897	2755.40661428714	6.156063638991	7.57529235013523
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662	7322	65318.8586770335	798337.3170250766	39.067195809306135	-100.5694876	364222.13930011564	4325405.83324047	2866.5250681149502	277.60829996534994	2742.067088208252	2742.391378684945	17.22271144524757	16.89761785004457
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664	7324	66638.8586770335	798337.3170250766	39.06718680350167	-100.5648023	364624.2056454736	4325397.654634468	2859.738421288997	277.6061732488586	2732.5406981471774	2732.89915889367	24.29137510711477	23.94191435517705
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666	7326	67958.8586770335	798337.3170250766	39.0671782345346	-100.5601728	365026.2714840398	4325389.72653151	2854.400622018677	277.6040062218677	2725.80575227695	2726.2630479433	28.7428769	28.13431353933406
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668	7328	69278.8586770335	798337.3170250766	39.0671683495989	-100.5555254	365428.3367905541	4325371.79090588	2846.2954071527002	277.6015196802143	2721.7110801898	2721.7110801898	32.09654534140554	29.79303377681446
669	7329	69938.8586770335	798337.3170250766	39.06716361585691	-100.5532016	365629.36928416313	4325373.8258434	2846.765618705555	277.60178404755613	2719.1870494755613	2719.1870494755613	31.56767399492437	30.6375284108294
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672	7332	71918.8586770335	798337.3170250766	39.06714945223194	-100.5462304	366232.4658048066	4325365.94109275	2839.614627040645	277.6041250275424	2715.65975965245	2714.633249	35.2662760729107	32.491771839843
673	7333	72578.8586770335	798337.3170250766	39.06714452317994	-100.5439067	366433.4978789942	4325361.98398118	2836.387170706453	277.6045192850968	2715.92852583078	2712.86250628363	33.990607759892	33.0556324332178
674	7334	73238.8586770335	798337.3170250766	39.06713927405481	-100.5415829	366634.5296873553	4325358.20060522	2833.112870383448	277.6041738365776	2710.244515340445	2710.244515340445	34.46928213713169	33.5820728629566
675	7335	73898.8586770335	798337.3170250766	39.06713421104712	-100.5392592	366835.5613675726	4325354.08097708	2830.29547119617	277.603598301202	2708.605450751435	2709.4399163716026	34.9041899505482	34.07804835848306
676	7336	74558.8586770335	798337.3170250766	39.06712922315685	-100.5369835	367036.59291836084	4325350.09573164	2827.934971	277.60230632	2707.0121393819186	2707.7864312339466	35.2940033417151	34.5189118214931
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678	7338	75878.8586770335	798337.3170250766	39.0671189927286	-100.532328	367438.6538339519	4325341.7155234	2823.219755234	277.60047891781048	2705.738099945327	2705.738099945327	37.280999945327	37.280999945327
679	7339	76538.8586770335	798337.3170250766	39.067113819073	-100.5299643	367639.6867916405	4325338.209606076	2820.016981413718	277.603868136	2702.807199304066	2703.4834340931	38.0903604679383	35.3056524960688
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683	7343	79178.8586770335	798337.3170250766	39.06709251213395	-100.5206693	368443.8101808551	4325322.368381925	2808.6410790681	277.6028581969528	2696.962937	2696.962937	36.9096444855808	36.939445885698
684	7344	79838.8586770335	798337.3170250766	39.0670872463615	-100.5183166	368644.8407715459	4325318.42584597	2806.12314813434	277.602509875116	2695.985814286884	2695.985814286884	37.82049188961554	36.4803207314414
685	7345	80498.8586770335	798337.3170250766	39.0670817243062	-100.5160219	368845.81707112093	4325314.41975491	2804.60528043662	277.602148727389024	2695.15273566629	2694.45174327027	38.0359114187462	37.0350114187462
686	7346	81158.8586770335	798337.3170250766	39.0670762571523	-100.5136981	369046.90137981327	4325310.48250168	2803.71472578999	277.6020670595407	2693.090117802233	2693.47252984436	37.9105257937396	37.1467161042875
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688	7348	82478.8586770335	798337.3170250766	39.06706514763712	-100.5090507	369448.9615453217	4325302.660311527	2801.346538140032	277.60166292574	2690.156432343227	2690.156432343227	37.74051960141517	37.74051960141517
689	7349	83138.8586770335	798337.3170250766	39.06705951627441	-100.506727	369649.918435552	4325298.60082197	2799.61600821307	277.60164831657092	2688.621501152643	2688.621501152643	38.20350469122919	38.10669699242179
690	7350	83798.8586770335	798337.3170250766	39.06705440269274	-100.5044332	369851.0212057142	4325294.604015512	2798.073274766227	277.6014245604408	2687.049677	2687.049677	38.58376530574	38.5013975907404
691	7351	84458.8586770335	798337.3170250766	39.06704924869535	-100.5021881	370052.062645857	4325290.32410266	2796.849476988622	277.601240717206283	2686.1034033748168	2686.1034033748168	38.89585834811225	38.89585834811225
692	7352	85118.8586770335	798337.3170250766	39.0670435289177	-100.4997558	370253.08632644	4325286.720370044	2792.89951390719	277.601296181828	2685.19454115824	2685.19454115824	39.0350114187462	39.0350114187462
693	7353	85778.8586770335	798337.3170250766	39.0670364199944	-100.497432	370454.1054	4325282.76971247	2790.02583889347	277.601769615808123	2679.609154662274	2682.66586492682	42.16046131824487	41.4429573555397

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLL	BRElevKgs.f	BRElevBothKgs.f	SatThKgs.f	SatThBoth.f
35	11	7435	-348501.1413	799997.3170250766	39.062971234123275	-102.0264207	238144.06649126761	4328124.984806488	3938.0907212302895	381.471753339881	3812.1044889081068	3813.859323	27.61240356551224
36	11	7436	-347841.1413	799997.3170250766	39.06294991	-102.0240973	238345.22218070884	4328120.916555042	3925.830146417884	3839.990643827367	3802.239785123444	3803.77508463458278	36.22008172356604
37	11	7437	-347181.1413	799997.3170250766	39.06301654063768	-102.0237238	238456.374175156404	4328116.948392718	3915.5869876754988	3838.5058262021878	3791.932482021878	3793.13152233007	45.3775417469542
38	11	7438	-346521.1413	799997.3170250766	39.06304212692518	-102.0194504	238747.537809922	4328117.90207447	3905.390488411724	3837.016173894556	3811.6040677729333	3812.46895560216	53.5570717662739
39	11	7439	-345861.1413	799997.3170250766	39.0630566811395	-102.017127	238948.68768224244	4328108.17285503	3896.400580560409	3835.521906817326	3772.8258610526777	3772.847891438641	62.6960548646481
40	11	7440	-345201.1413	799997.3170250766	39.06309914643009	-102.0148036	239149.8423445058	4328104.5043214042	3888.041680573804	3834.0225105798863	3767.5051302719075	3766.64309185449	67.37941872
41	11	7441	-344541.1413	799997.3170250766	39.06311268157351	-102.0124802	239350.59697378544	4328105.50965258	3881.2832051043657	3832.5174864304045	3766.388565685851	3765.392429657653	67.12526327175518
42	11	7442	-343881.1413	799997.3170250766	39.06313602444155	-102.0101567	239552.15082728808	4328096.509652676	3873.7248940514357	3831.0061679980076	3767.856165172843	3766.724431327381	64.28173667017254
43	11	7443	-343221.1413	799997.3170250766	39.06315938414203	-102.0078333	239755.304748417782	4328092.42276724	3867.992593239734	3827.947545181104	3768.11321006675	3768.11321006675	60.85584685195056
44	11	7444	-342561.1413	799997.3170250766	39.063182700967054	-102.0055039	239954.45367777	4328087.53193518	3864.0873567722544	3827.961705484573	3772.353725400185	3769.627302963304	58.547979799
45	11	7445	-341901.1413	799997.3170250766	39.06320579129214	-102.0031865	240155.61172817857	4328084.308	3860.181864205335	3826.42732712661	3773.833241270874	3770.534865	52.574033584367
46	11	7446	-341241.1413	799997.3170250766	39.06322919999843	-102.000863	240356.764380178	4328080.241531607	3856.276331968815	3824.8840437970584	3774.673240470083	3770.998565	50.27197972697544
47	11	7447	-340581.1413	799997.3170250766	39.063253282204666	-101.9985396	240557.9176759042	4328076.174562382	3850.7274453392044	3823.331139380543	3775.083151204081	3774.082789046416	52.02403817646208
48	11	7448	-339921.1413	799997.3170250766	39.06327519539791	-101.9962162	240759.0702636413	4328072.10840975	3847.4353491419957	3821.7678759406513	3774.14462233033587	3769.53179914015	52.14690260366375
49	11	7449	-339261.1413	799997.3170250766	39.063298611998114	-101.9938927	240960.22594234663	4328068.42927377	3842.8432047421689	3820.193494817746	3773.688133486157	3768.50301301274	51.44658348805055
50	11	7450	-338601.1413	799997.3170250766	39.063321659585185	-101.9913693	241161.3746678804	4328063.9702215745	3838.2510031669	3818.072203170743	3772.745414678891	3769.54423262709	49.0628017933611
51	11	7451	-337941.1413	799997.3170250766	39.0633446229911	-101.9892459	241362.56244848085	4328059.91313568	3834.306408002245	3817.00826585042	3771.743957398703	3768.6896741893015	48.3185913974044
52	11	7452	-337281.1413	799997.3170250766	39.063367620138664	-101.9869224	241563.6780451985	4328055.844537349	3831.0154075908627	3815.3958364700125	3770.1304155432664	3766.42503574608	47.9003424699015
53	11	7453	-336621.1413	799997.3170250766	39.06339053310739	-101.984599	241764.82948263938	4328051.779099012	3827.722358	3813.7692802726524	3768.7460830502823	3766.163777549005	47.605502697751945
54	11	7454	-335961.1413	799997.3170250766	39.06341340120116	-101.9822756	241965.8089720888	4328047.173596251	3824.4230953380975	3812.128102157133	3768.7307542880975	3764.598514474401	45.6259707066047
55	11	7455	-335301.1413	799997.3170250766	39.06342622427259	-101.9799521	242167.1311892385	4328043.648395935	3822.47173	3810.47153168848	3764.21345590993	3762.9046835233775	47.5668476456703
56	11	7456	-334641.1413	799997.3170250766	39.06345900727119	-101.9776287	242368.2812555986	4328039.563290221	3821.849631238454	3808.7980673341	3762.889244956587	3761.102165438945	45.0956717463014
57	11	7457	-333981.1413	799997.3170250766	39.0634918264343	-101.9753083	242569.30438186704	4328031.132950304	3816.378053111506	3796.5582679893268	3761.720268187567	3761.720268187567	45.078275781262
58	11	7458	-333321.1413	799997.3170250766	39.06350442845006	-101.9729818	242770.58203185458	4328031.435355207	3810.60543914959	3805.40076863127	3759.393132171188	3759.393132171188	45.078275781262
59	11	7459	-332661.1413	799997.3170250766	39.06352706875231	-101.9706583	242971.7318023027	4328027.264691737	3823.747863249559	3802.76247415739	3757.711794152005	3757.5932736690314	46.9006526373305
60	11	7460	-332001.1413	799997.3170250766	39.06354966742604	-101.9683349	243172.88137170373	4328023.246016615	3810.654820561566	3801.5241048243266	3756.116472265233	3756.116472265233	44.7180003230919
61	11	7461	-331341.1413	799997.3170250766	39.06357221406176	-101.9660114	243374.0307866998	4328019.3264607325	3807.56177883654	3800.1546094283303	3754.687547662594	3755.554812	45.4807616273436
62	11	7462	-330681.1413	799997.3170250766	39.06359475031272	-101.9636388	243575.1796852407	4328015.19639026	3804.4687350111506	3798.363673306328	3753.117233727516	3753.689579811516	45.2464395776551
63	11	7463	-330021.1413	799997.3170250766	39.06361784745596	-101.9613636	243776.32837191936	4328011.132950304	3803.678053111506	3796.5582679893268	3751.64723755982	3751.64723755982	45.0956717463014
64	11	7464	-329361.1413	799997.3170250766	39.0636396141077	-101.9590411	243978.362111995	4328007.458111995	3802.76247415739	3794.715805421886	3749.715805421886	3749.715805421886	45.0956717463014
65	11	7465	-328701.1413	799997.3170250766	39.063661988590226	-101.9567176	244178.6705270617	4328003.050216169	3801.662209464	3792.860464304875	3747.120909030728	3747.603667105706	45.2567960191687
66	11	7466	-328041.1413	799997.3170250766	39.063684318201865	-101.9543492	244379.7731	4327998.941824279	3800.063616075696	3794.842144314154	3745.04797	3746.346494713232	45.39592488782543
67	11	7467	-327381.1413	799997.3170250766	39.06370662023972	-101.9520707	244580.9200676448	4327994.87860002	3825.3928307084407	3789.081849051525	3742.869670997726	3742.869670997726	45.39592488782543
68	11	7468	-326721.1413	799997.3170250766	39.06372884	-101.9497472	244782.0682905334	4327992.81553464	3821.157959786704204	3787.1659786704204	3742.869670997726	3742.869670997726	45.39592488782543
69	11	7469	-326061.1413	799997.3170250766	39.063751037793764	-101.9474328	244983.2152512567	4327986.755654721	3816.914684841013	3785.223935	3738.093500552131	3740.4714423409	45.0956717463014
70	11	7470	-325401.1413	799997.3170250766	39.06377317909874	-101.9451033	245184.3624903763	4327982.936975346	3812.167558	3783.2538326332	3738.55026781903	3738.55026781903	45.0956717463014
71	11	7471	-324741.1413	799997.3170250766	39.06379629315702	-101.9427768	245385.50822437694	4327978.62780304	3813.6714070588824	3781.27302102401	3738.360193586134	3738.360193586134	45.0956717463014
72	11	7472	-324081.1413	799997.3170250766	39.06381373532012	-101.9404534	245586.565697181	4327974.56494177	3819.902125989106	3779.266278110523	3730.915431856916	3732.7778135869	45.39592488782543
73	11	7473	-323421.1413	799997.3170250766	39.0638393601141	-101.9381299	245787.80197176087	4327970.350275963	3826.13285122398	3777.2396347173113	3728.40371253765	3730.05937938158	47.2339693028496
74	11	7474	-322761.1413	799997.3170250766	39.06386133964493	-101.9358065	245988.9478963014	4327966.404723345	3823.36357345896	3775.193619404534	3726.854982469794	3726.854982469794	48.089256230174
75	11	7475	-322101.1413	799997.3170250766	39.06388326539068	-101.933483	246190.9307303684	4327962.37880443	3821.157959786704204	3773.7301052447	3724.124267561383	3721.3921721647506	50.0042491690369
76	11	7476	-321441.1413	799997.3170250766	39.0639051462221	-101.9311595	246391.391691594	4327958.731725136	3820.17322241347	3771.04461595918	3721.250413	3720.51342534646	49.7520270526770
77	11	7477	-320781.1413	799997.3170250766	39.06392693199254	-101.9289336	246592.593186704	4327954.3451796822	3817.3489247290674	3769.3489247290674	3719.3489247290674	3719.3489247290674	49.7520270526770
78	11	7478	-320121.1413	799997.3170250766	39.0639487382353	-101.9265126	246793.5293443732	4327950.194197382	3796.7650924947604	3766.82234334784	3717.64171362333	3717.64171362333	52.7189914432346
79	11	7479	-319461.1413	799997.3170250766	39.06397051963122	-101.9241891	246994.6740558783	4327946.132849194	3794.04171689204	3764.8865505826024	3712.3501833840824	3712.3501833840824	52.3363671474201
80	11	7480	-318801.1413	799997.3170250766	39.06399232100554	-101.9218566	247195.8185165793	4327942.770140058	3793.764210011023	3762.534613210327	3709.17073040067	3708.8239829504	53.4209129
81	11	7481	-318141.1413	799997.3170250766	39.06403817750495	-101.9195421	247396.9627670693	4327938.011062393	3793.353767128011	3760.51513081453	3705.81511759492	3705.81513	54.55603954862284
82	11	7482	-317481.1413	799997.3170250766	39.06405348913099	-101.9171287	247598.1066844117	4327934.859331716	3782.87925242009	3758.192045640056	3702.50393	3702.50393	56.385267814616
83	11	7483	-316821.1413	799997.3170250766	39.064								

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatThKgr.f	SatThBoth.f
161	71	7561	-265341.1413	796997.3170250766	39.06560101008005	-101.7336597	263487.705956133	4327613.88238314	3561.9549301610823	3459.909012881171	3461.9116293300972	37.9973849816153	88.50869098019862
162	71	7562	-264681.1413	796997.3170250766	39.06561902553925	-101.731361	263688.8305483914	4327609.63599118	3558.97468384987	3546.885237904549	3463.9079934767606	34.922033554461	87.9728013069585
163	71	7563	-264021.1413	796997.3170250766	39.06562969222406	-101.729015	263889.9549064858	4327605.588901478	3558.453629386075	3544.893502562302	3464.803526562302	39.04789124377289	79.7897747246166
164	71	7564	-263361.1413	796997.3170250766	39.065654531013405	-101.7266889	264001.07903170306	4327601.541810023	3551.397027	3540.813170992477	3546.833535804806	3462.93315355845	79.9735938679104
165	71	7565	-262701.1413	796997.3170250766	39.06566781726088	-101.7243653	264292.2029316742	4327597.449403095	3546.3365044539137	3537.765019059076	3463.9872532441054	34.73776561487119	75.9286246809032
166	71	7566	-262041.1413	796997.3170250766	39.0656606996276	-101.7220417	264493.3268164427	4327593.448320369	3541.759342927357	3534.7088716428802	3462.5284216496434	34.78044999323683	74.53476846870437
167	71	7567	-261381.1413	796997.3170250766	39.065708547121126	-101.7197182	264684.54006073435	4327589.401840999	3538.5047429097112	3534.6743003403127	3460.58199245143891	34.588172769642152	73.47271254125235
168	71	7568	-260721.1413	796997.3170250766	39.06572621	-101.7173946	264805.573192479	4327585.35531893	3538.07278595477	3528.6727282489966	3460.0184902922306	34.5523821976592	72.72569595
169	71	7569	-260061.1413	796997.3170250766	39.065743916854565	-101.715071	265096.9962	4327581.30862779	3537.540289899836	3525.560717108104	3457.1439711267064	34.535261764872266	63.25865485977721
170	71	7570	-259401.1413	796997.3170250766	39.06575187933026	-101.7127474	265297.8189867514	4327577.2537413	3537.0588720400241	3522.404320642856	3454.5730310515998	34.50512005743271	67.831601826385
171	71	7571	-258741.1413	796997.3170250766	39.06577919697787	-101.7104238	265486.94138215977	4327573.21755429	3533.696807504241	3519.3085134256927	3451.448982539543	34.47690348951526	72.10779480397605
172	71	7572	-258081.1413	796997.3170250766	39.06579679477556	-101.7081002	265700.06364560465	4327569.17897816	3527.454635372454	3516.20439369181	3444.0524066437084	68.0944037106678	72.1519372547264
173	71	7573	-257421.1413	796997.3170250766	39.06581429763854	-101.7057766	265901.185677292	4327564.160410095	3521.2124632450095	3514.0923285023005	3514.76234734977	71.7109337	71.93107132855724
174	71	7574	-256761.1413	796997.3170250766	39.0658317065415	-101.703453	266102.3075	4327561.081	3514.670291114249	3510.92734534101	3473.785689	72.1866557633119	72.09054585420336
175	71	7575	-256101.1413	796997.3170250766	39.065849218790575	-101.701294	266303.42940622166	4327557.035935514	3506.444891132978	3506.944071313324	3434.7500971000863	72.6444420037327	72.09391128936308
176	71	7576	-255441.1413	796997.3170250766	39.06586961204914	-101.6988058	266504.15503837165	4327552.9900494	3499.751394266744	3499.751394266744	3430.7457355700516	34.3117320514958	69.0056589
177	71	7577	-254781.1413	796997.3170250766	39.06588396042975	-101.6964822	266706.7614905485	4327549.94128966	3491.686187	3491.686187	3429.5188847552536	34.293487	67.1602324546564
178	71	7578	-254121.1413	796997.3170250766	39.06590126302446	-101.694158	266906.7923665585	4327544.901475685	3483.620798972257	3478.6090798927257	3428.680029488666	34.28545003525474	54.940176313924615
179	71	7579	-253461.1413	796997.3170250766	39.06591852255712	-101.691835	267107.913012019	4327540.856895895	3483.062303949466	3483.062303949466	3426.453435	34.26207208623627	56.601801720669
180	71	7580	-252801.1413	796997.3170250766	39.06593574	-101.6895114	267309.03342715016	4327538.618267047	3490.01408586462	3490.01408586462	3424.576320515165	34.24571861167294	65.79672807123629
181	71	7581	-252141.1413	796997.3170250766	39.06595209172416	-101.6871878	267510.1536121621	4327528.76851811	3496.94698777978	3487.922879	3422.8800828747357	34.28031394911106	65.4287053051439
182	71	7582	-251481.1413	796997.3170250766	39.065967205197676	-101.6848462	267710.2173672619	4327525.73235757	3503.915084969484	3484.7450367258181	3420.567297747424	34.61870589230865	64.17105898263906
183	71	7583	-250821.1413	796997.3170250766	39.0659820825454	-101.6825337	267926.92891245496	4327521.72613734	3497.8206771184	3487.8206771184	3419.2086217078383	34.3819445031149271	53.9773811492731
184	71	7584	-250161.1413	796997.3170250766	39.06600414250974	-101.680217	268113.512788535	4327520.63706278	3498.915467	3478.36200014236	3471.30227176955	34.16263300849077	61.0689724278238
185	71	7585	-249501.1413	796997.3170250766	39.06602113185856	-101.6778934	268314.6320551244	4327516.593577957	3475.17191334437	3415.329428082755	3410.8408941836834	34.891196326	64.33040715457355
186	71	7586	-248841.1413	796997.3170250766	39.06603807634377	-101.6755698	268515.7510925162	4327515.5260106	3482.948940737824	3471.9662872206513	3424.91392522236	34.608465056191592	63.50123660149211
187	71	7587	-248181.1413	796997.3170250766	39.06605497594344	-101.6732462	268716.86909121845	4327508.507109119	3474.346350202089	3468.755293802696	3412.261576145741	34.3785079197897	62.76678956
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193	71	7593	-244221.1413	796997.3170250766	39.0661551096966	-101.6593405	269923.577957956	4327485.251706039	3429.53546991678	3429.53546991678	3394.2103921981798	33.88458598303673	34.3432024973782
194	71	7594	-243561.1413	796997.3170250766	39.06617201654781	-101.6569809	270124.6916969775	4327480.21	3425.947329332985	3425.947329332985	3391.2091471988733	33.84937929746136	34.7382136425166
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196	71	7596	-242241.1413	796997.3170250766	39.06620516825454	-101.6523337	270526.92891245496	4327472.72613734	3419.872061710214	3419.872061710214	3384.7506770780987	34.1863445031149271	53.9773811492731
197	71	7597	-241581.1413	796997.3170250766	39.0662215	-101.6500101	270728.054433021	4327468.08475194	3417.023971731714	3417.023971731714	3384.7506770780987	32.9869520974272	36.6457168486717
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199	71	7599	-240261.1413	796997.3170250766	39.0662527	-101.6453628	271130.277825029	4327460.30210059	3415.457847330943	3415.457847330943	3376.3814003324105	33.76074698824604	34.22535894102054
200	71	7600	-239601.1413	796997.3170250766	39.0662706868058	-101.6430392	271331.396771567	4327455.961327651	3408.898648373276	3408.898648373276	3376.27189428240843	33.66677416227933	34.68044014324233
201	71	7601	-238941.1413	796997.3170250766	39.0662891856810614	-101.6407156	271532.599027856	4327451.920512011	3426.281899543135	3423.34130034515	3367.69513653343	33.6620527015893	61.29029391862215
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203	71	7603	-237621.1413	796997.3170250766	39.066318069068	-101.636128	271938.7316879862	4327443.783093882	3424.7191686517683	3424.7191686517683	3361.4330269933728	34.43428622971728	64.42486212869157
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207	71	7607	-234981.1413	796997.3170250766	39.0663833436637	-101.6267738	272739.19842146785	4327427.67917797	3397.659029529372	3329.995709554064	3328.9227218814314	34.67633197393653	69.23681705
208	71	7608	-234321.1413	796997.3170250766	39.06639950015766	-101.6244502	272940.3174070504	4327423.6349692995	3394.328333	3394.328333	3324.380479061547	33.208789193574	71.42044352
209	71	7609	-233661.1413	796997.3170250766	39.0664154128851	-101.6221266	2						

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRElevLogs.f	BRElevLogs.f	SatTskLogs.f	SatTskBoth.f
287	17	7687	-182181.1413	798997.3170250766	39.06751829572687	-101.4408804	288827.6302220232	4327105.033435182	3390.0970948948207	3220.2352889191929	3226.643218301136	3201.045697568036	9.189589335
288	18	7688	-181521.1413	798997.3170250766	39.067530662481545	-101.4385567	289028.7270485299	43271.101307098282	3376.640602349104	3209.4200421065275	3227.3662703066343	3198.266381291562	0
289	19	7689	-180961.1413	798997.3170250766	39.06754298434907	-101.4362538	289229.6948967824	43270.651299496987	3381.18482551793656	3208.5125989098987	3228.5809973591528	3197.116069481035	0
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292	22	7692	-178881.1413	798997.3170250766	39.067579680650555	-101.4292619	289833.11194771924	43270.94303419842	3318.2602393847856	3206.264995400124	3224.203406441493	3187.3700048753263	0
293	23	7693	-178221.1413	798997.3170250766	39.06759182008165	-101.4269382	290034.20765440096	43270.8707915841	3304.0999832512202	3205.488788611808	3218.9709484436535	3186.206098755967	0
294	24	7694	-177561.1413	798997.3170250766	39.06760392047012	-101.4246145	290235.301540859	43270.76452572706	3289.9397271176554	3204.75445562076	3216.744538288659	3184.73481825332	0
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296	26	7696	-176241.1413	798997.3170250766	39.06762798075046	-101.4195671	290637.493332817	43270.80239875	3264.96195547176	3203.269113195542	3216.3486463250276	3182.538554209894	0
297	27	7697	-175581.1413	798997.3170250766	39.0676394356879	-101.4176434	290838.58841320174	43270.67477558807	3253.030196781782	3202.4557497754155	3215.6416451811083	3183.001471395828	0
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301	31	7701	-172941.1413	798997.3170250766	39.067687348024594	-101.4083489	291642.9658731412	43270.48678989008	3216.01565215123	3199.755824169202	3213.9809597641233	3189.586247233967	0
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304	34	7704	-170961.1413	798997.3170250766	39.06772240621074	-101.4013774	292246.2684110917	43270.3608327444	3195.140018422197	3195.140018422197	3189.4553125341246	3186.70408373746714	0
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306	36	7706	-169641.1413	798997.3170250766	39.0677455892157	-101.39673	292648.0437088917	43270.2861469757	3182.593656577866	3182.593656577866	3182.593656577866	3182.593656577866	0
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308	38	7708	-168321.1413	798997.3170250766	39.06776857240347	-101.3920623	293045.618295208	43270.20351726019	3185.32769094936	3185.32769094936	3185.32769094936	3185.32769094936	0
309	39	7709	-167661.1413	798997.3170250766	39.06777994545424	-101.3897384	293246.518942915	43270.1649248115	3183.2784891172033	3183.2784891172033	3183.2784891172033	3183.2784891172033	0
310	40	7710	-167001.1413	798997.3170250766	39.06779137605059	-101.3874531	293452.8032	43270.12469744174	3193.2041911394126	3193.2041911394126	3193.2041911394126	3186.67166923697	0
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312	42	7712	-165681.1413	798997.3170250766	39.0678140008213	-101.3827877	293854.8686508856	43270.0424880153	3195.763780472567	3192.876092426583	3195.763780472567	3188.60389602598	0
313	43	7713	-165021.1413	798997.3170250766	39.067825244797916	-101.3804639	294056.0785999173	43270.00043	3196.1615823117504	3192.2947045429923	3196.1615823117504	3192.2947045429923	0
314	44	7714	-164361.1413	798997.3170250766	39.06783644321114	-101.3781402	294257.169993389	43269.9630677903	3195.45396576243	3191.78421514181	3196.55936576243	3193.12572396832	0
315	45	7715	-163701.1413	798997.3170250766	39.06784799584674	-101.3758169	294458.261193384	43269.92358	3201.483689338487	3191.4647895518477	3201.483689338487	3193.257860634895	0
316	46	7716	-163041.1413	798997.3170250766	39.0678596355059	-101.3734928	294659.3219088243	43269.88337130354	3210.935805745015	3195.57943039431	3210.935805745015	3194.9182729259	0
317	47	7717	-162381.1413	798997.3170250766	39.067871844491	-101.3711691	294860.4429806818	43269.8315618956	3220.384231818509	3190.0102841823164	3208.4827999744043	3195.4615859518714	0
318	48	7718	-161721.1413	798997.3170250766	39.067880795152504	-101.3688453	295051.5335762056	43269.8029426459	3229.83406362516	3189.4417206459826	3209.2935188724695	3191.875403704008	0
319	49	7719	-161061.1413	798997.3170250766	39.06789175707843	-101.3665216	295262.6239044024	43269.7673705861	3242.528184444026	3188.8722050337265	3209.208222	3196.148856510677	0
320	50	7720	-160401.1413	798997.3170250766	39.0679027	-101.3641979	295463.7141599946	43269.7225023148	3258.4649755922363	3188.301265083117	3209.0791593497447	3197.005477869614	0
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326	56	7726	-156441.1413	798997.3170250766	39.067967341870535	-101.3502555	296670.2510735182	43269.48129400131	3345.82894330833	3184.8598048328176	3204.55850570027642	3197.734957719476	0
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335	65	7735	-150501.1413	798997.3170250766	39.068061273470654	-101.3293819	298489.5168510207	43269.115698152027	3348.945315345883	3179.814451050883	3200.240445871267	3206.8363	0
336	66	7736	-149841.1413	798997.3170250766	39.06807148505459	-101.3270182	298681.13031373	43269.0738	3347.226172124633	3179.022291482914	3200.033631655026	3205.865151736335	0
337	67	7737	-149181.1413	798997.3170250766	39.068081653456495	-101.3246844	298892.2186236714	43269.0302083754	3346.607029046736	3178.4274582401	3199.8358517056567		

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatHtElev.ft	SatHtBothKgrg.ft
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414	7184	-90361.14133	796997.3170250766	39.068729772761124	-11.14576	314365.3209	4236595.01515533	3224.7334775454902	318.966514991509	3080.60328296033	308.39618717493978	37.60772546045854	37.0772546045854
415	7185	-90701.14133	796997.3170250766	39.06873424862554	-11.143441	314566.3629229616	4236591.0102217569	3221.123782096368	318.9260127738414	3077.2844181787388	307.6583335987375	40.23586296071409	40.23586296071409
416	7186	-90741.14133	796997.3170250766	39.06874306127997	-11.141174	314767.4647	4236597.0050824415	3217.0005823458046	317.12019703254592	3073.891501771679	3074.0907400858268	43.02496086084921	43.02496086084921
417	7187	-90631.14133	796997.3170250766	39.06874963821275	-11.1387936	314968.5364240734	4236583.000114452	3212.8771715980406	316.175208293027	3069.831225055634	306.43438323749065	45.96810565372425	45.96810565372425
418	7188	-95721.14133	796997.3170250766	39.06875617	-11.134669	315169.607542536	4236575.99531191	3208.7541605827101	315.222637000107	3065.926616084166	306.207214095618	49.2962471584445	49.2962471584445
419	7189	-95061.14133	796997.3170250766	39.068762567428316	-11.1341461	3153570.6789950735	4236574.960973855	3203.67162565036234	314.2956798427978	3062.10342886993	306.20424041279758	51.15625059743222	51.15625059743222
420	7200	-94401.14133	796997.3170250766	39.06876909971108	-11.1318223	315571.7504935823	4236570.960201322	3197.7636518715324	313.2833417711832	3058.52304784905	3058.7503386064195	54.7632438092702	54.7632438092702
421	7201	-93741.14133	796997.3170250766	39.06877549711046	-11.1294858	315772.7622869044	4236566.981893716	3191.81109374611	312.21290024	3055.41756385263	3055.548496445897	56.78205695975386	56.78205695975386
422	7202	-93081.14133	796997.3170250766	39.06878149462504	-11.127147	315973.89151812	4236562.8775129	3185.854095338977	311.27733490148	3053.101226	3053.112000496365	58.1710925	58.1710925
423	7223	-90220.14133	796997.3170250766	39.06878815725915	-11.124851	316174.9621070723	4236558.973779973	3182.7519342258174	310.24035674610277	3052.2165318333514	3052.175657888357	58.02647362767296	58.02647362767296
424	7224	-91761.14133	796997.3170250766	39.06879442000837	-11.1225272	316376.0324585445	4236554.969961728	3182.4917102527425	310.918507495436	3052.961571981821	3052.9038715156993	56.2230747761493	56.21074702483677
425	7225	-91101.14133	796997.3170250766	39.06880064	-11.1202034	316567.1026980874	4236551.963314558	3182.231942742925	310.102732800788	3054.762924976448	3054.744967632147	53.355260375429	53.355260375429
426	7226	-90441.14133	796997.3170250766	39.06880610856586	-11.1178796	316778.172581053	4236546.96282345	3180.3492599904785	310.693259990918	3056.33155616235	3056.312948434804	50.66010437468276	50.66010437468276
427	7227	-89781.14133	796997.3170250766	39.0688128955574	-11.1155558	316979.24227252564	4236542.96981541	3180.3417965391	310.5833386977524	3055.9197827191416	3056.2966884822096	49.8534997210814	49.8534997210814
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433	7233	-85821.14133	796997.3170250766	39.06884676496957	-11.1016131	318185.6576981873	4236518.943078936	3171.2089102130053	308.2401201542849	3045.8048665627675	3044.0121671307935	52.43174880192172	52.4277851791394
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435	7235	-84851.14133	796997.3170250766	39.0688497482224	-11.0967763	318594.206848111	4236510.9388021051	3171.843971951892	306.5480393176581	3042.7592393176581	3040.5480393176581	53.17400187213058	57.10189101767058
436	7236	-8341.14133	796997.3170250766	39.0688607208977	-11.0946418	318788.862483376	4236505.93708348	3168.46732850595	303.86714275493	3039.919363419103	3037.92201144933552	53.9657300339196	55.9646979193944
437	7237	-83181.14133	796997.3170250766	39.0688715135379	-11.0923218	318899.8304437025	4236502.95341256	3166.647568071028	302.867123763093	3037.552138959874	3035.154833064574	54.809710811315486	56.84633432435657
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439	7239	-81861.14133	796997.3170250766	39.0688782523108	-11.0876704	319392.0682020755	4236494.93285271	3162.791711393331	308.9237113058372	3032.20523	3030.2965713319	57.01847199317215	59.01734613251846
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441	7241	-80639.14133	796997.3170250766	39.06889401574768	-11.0830228	319784.206848111	4236486.938240311	3161.698342043511	308.5480393176581	3028.7592393176581	3026.7592393176581	58.2897448890780	61.2897448890780
442	7242	-80189.14133	796997.3170250766	39.068919442021	-11.080699	319955.260773972	4236482.92561392	3160.54680330194	308.4375809549473	3028.52291148939473	3026.52291148939473	58.439761940891286	62.439761940891286
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444	7244	-78561.14133	796997.3170250766	39.06891024946153	-11.0760514	320397.4015	4236474.923371939	3155.9415463034775	308.1088060860502	3016.813036	3016.1958240609205	65.5729840699205	65.5729840699205
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449	7249	-75261.14133	796997.3170250766	39.06893640161025	-11.0644325	321402.7327088371	4236454.928284184	3145.62478928573	307.4056025517086	3007.54041338145	3007.54041338145	69.2826736853659	72.2826736853659
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456	7256	-70641.14133	796997.3170250766	39.06897112942115	-11.0481159	322810.189036467	4236425.930585849	3131.90495294006	306.616960100444	2995.8339103742462	2994.791526216302	74.86562071709493	76.86562071709493
457	7257	-69981.14133	796997.3170250766	39.06897591703346	-11.0458421	323011.2553216105	4236422.93021009	3125.7570244601	305.8433837053456	2995.06844129881	2992.986177349985	73.3739620464676	75.452404036047
458	7258	-69321.14133	796997.3170250766	39.06898064778022	-11.0435184	323212.317426209	4236418.93812669	3122.126913636006	305.670051825717	2994.056762412052	299		

ix	iy	x	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
533	ix 7939	-15861.14133	796997.3170250766	-00.96921526145823	-100.8552903	339497.97059198585	4326095.630557783	3036.378237882512	2935.6339104827765	2914.055250908658	2914.2502251964142	21.786899394118605	21.38398563463221
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541	ix 7941	-14841.14133	796997.3170250766	-00.96921323067071	-100.8564287	339609.0726165682	4326087.681286893	3038.647024965547	2932.9637833779813	2905.746933954984	2905.9489116036338	25.526381116036338	25.526381116036338
542	ix 7942	-13891.14133	796997.3170250766	-00.96921820564533	-100.8483188	340101.1224943317	4326103.768697655	3031.784141303029	2930.9678057540585	2902.915547504895	2902.9173278554078	27.97435345657686	27.696549495105065
543	ix 7943	-13221.14133	796997.3170250766	-00.96921921702061	-100.845995	340302.1728159661	4326079.69262514	3016.394020908485	2929.249525714129	2900.65517895045	2900.9500910523606	28.3697617683639	28.3433456
544	ix 7944	-12561.14133	796997.3170250766	-00.969220003700686	-100.8436712	340503.2228017279	4326075.780811477	3040.47475955014	2927.695527071108	2898.337651622254	2898.60581	29.35765190882417	29.089716691897593
545	ix 7945	-11901.14133	796997.3170250766	-00.969220525496964	-100.8413474	340704.2730917485	4326071.724712556	3040.58004884129543	2926.091756847485	2895.897121191429	2898.0741324294926	30.19463576055956	30.017343698910416
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547	ix 7947	-10581.14133	796997.3170250766	-00.96922254643599	-100.8369688	341106.37245697195	4326067.740799685	2994.198011941082	2922.9651975022088	2893.050285083936	2892.66739150716881	30.91761808327947	30.91761808327947
548	ix 7948	-9921.141327	796997.3170250766	-00.969223151579195	-100.834376	341307.242189271	4326059.74006218	2991.15801462511	2921.243255	2894.2761148962823	2894.2761148962823	36.96740176593673	36.96740176593673
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555	ix 7955	-5301.141327	796997.3170250766	-00.96922748232435	-100.8181093	342714.7646748738	4326031.891674028	2978.3710277975805	2909.9162033931162	2907.433662237967	2907.5003210570543	42.8805510332022	42.8805510332022
556	ix 7956	-4641.141327	796997.3170250766	-00.96922811289204	-100.8157855	342915.812895491	4326027.912674082	2975.1021469778265	2908.34496845824	2894.4561201568117	2894.4561201568117	43.8486813091249	43.8486813091249
557	ix 7957	-3981.141327	796997.3170250766	-00.96922740607890	-100.8134617	343116.8611473236	4326023.930745626	2966.788077855583	2902.1880396437346	2892.683763454016	2892.683763454016	44.60003123182377	44.60003123182377
558	ix 7958	-3321.141327	796997.3170250766	-00.96922765437909	-100.8113719	343317.90914850426	4326019.948881519	2968.712189891363	2905.240197642273	2890.5639079171093	2890.5639079171093	45.45680628475114	45.45680628475114
559	ix 7959	-2661.141327	796997.3170250766	-00.96922785779585	-100.808841	343518.9570004613	4326015.967	2968.250898980312	2903.695449317044	2889.553110452817	2889.553110452817	46.14235447895361	46.14235447895361
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562	ix 7962	-681.1413269	796997.3170250766	-00.96922819874078	-100.801826	344122.0964141325	4326004.024	2957.04830160514	2899.04526857583	2887.15258411593	2887.4197763374154	48.8934149555194	48.8934149555194
563	ix 7963	-21.14132693	796997.3170250766	-00.96922822220604	-100.7995188	344323.1468841413	4326002.0618136	2976.461645094714	2888.0332950434	2886.011647542534	2885.9331270536407	49.17182047888158	49.17182047888158
564	ix 7964	328.858673073514	796997.3170250766	-00.96922820161626	-100.797195	344524.139375046	4325996.018375875	2972.01216452704	2895.913108	2884.3384140323	2884.2713560375378	51.0274094076758	51.0274094076758
565	ix 7965	1298.858673073514	796997.3170250766	-00.96922813527268	-100.7948712	344725.24091435183	4325992.081220787	2977.586263959373	2894.32932329076	2882.308960660724	2882.2470105683316	52.0841176764688	52.0841176764688
566	ix 7966	1958.858673073514	796997.3170250766	-00.9692280495484	-100.7925474	344926.2872026554	4325988.100767902	2978.14323317026	2892.737702	2879.9919570940065	2879.9312526661734	52.71448481343517	52.71448481343517
567	ix 7967	2618.858673073514	796997.3170250766	-00.96922787	-100.789628	345127.334	4325984.1647828	2979.733967870065	2891.134059694275	2886.935123022366	2887.411222698484	53.686785781146	53.686785781146
568	ix 7968	3278.858673073514	796997.3170250766	-00.96922768756525	-100.7873598	345328.38087285	4325980.1353584	2979.4141670314	2890.811470581	2887.4197763374154	2887.4197763374154	54.803185829317106	54.803185829317106
569	ix 7969	3938.858673073514	796997.3170250766	-00.969227423313036	-100.785576	345529.4271596875	4325976.103062979	2975.0746238130828	2887.894110149484	2871.782677991854	2871.782677991854	55.0102738899373	55.0102738899373
570	ix 7970	4598.85867307351	796997.3170250766	-00.9692271	-100.7835252	345730.4733406996	4325972.18095385	2976.73091705508	2886.256539	2868.756500103032	2868.68826321858	56.0093333148123	56.0093333148123
571	ix 7971	5258.85867307351	796997.3170250766	-00.96922678727355	-100.7809284	345931.5193780805	4325968.20061967	2972.466465	2884.60860900797	2865.55801033041	2865.3498686534	56.9805577356006	56.9805577356006
572	ix 7972	5918.85867307351	796997.3170250766	-00.96922642	-100.7786045	346122.5652619244	4325961.21492419	2972.6746072381	2882.4067811420475	2862.2409618403467	2862.2409618403467	57.5003685941816	57.5003685941816
573	ix 7973	6578.85867307351	796997.3170250766	-00.96922598270679	-100.776207	346333.0169958047	4325952.242186726	2971.8012026781879	2880.25953762877	2859.305634022626	2859.305634022626	58.0093333148123	58.0093333148123
574	ix 7974	7238.85867307351	796997.3170250766	-00.96922572490419	-100.773569	346534.5624674058	4325946.25304488	2970.924910810247	2879.32053093087	2858.330258302122	2858.330258302122	59.23779396182567	59.23779396182567
575	ix 7975	7898.85867307351	796997.3170250766	-00.96922560829839	-100.7716331	346725.7021044813	4325952.284	2968.6502130821045	2877.882609094056	2853.567087111214	2853.567087111214	60.3418277838323	60.3418277838323
576	ix 7976	8558.85867307351	796997.3170250766	-00.96922448594284	-100.7693093	346936.7472997082	4325948.30525725	2963.40171432054	2876.16919866479	2851.079753847494	2850.932805	60.9844671743452	60.9844671743452
577	ix 7977	9218.85867307351	796997.3170250766	-00.9692240043819	-100.7669855	347137.792437777	4325943.26022384	2960.15327	2874.426551737124	2848.5597992549177	2848.5597992549177	61.58285594592742	61.58285594592742
578	ix 7978	9878.85867307351	796997.3170250766	-00.96922319471151	-100.7646617	347338.834229054	4325940.38115865	2956.904797830204	2872.7024213343525	2846.0224731348416	2846.0224731348416	62.7540927022218	62.7540927022218
579	ix 7979	10538.85867307351	796997.3170250766	-00.9692230004381	-100.762379	347539.8826212964	4325936.369391515	2959.3974119310936	2870.9471898666227	2843.2751482020986	2843.2751482020986	63.76204378099714	63.76204378099714
580	ix 7980	11198.85867307351	796997.3170250766	-00.96922318129188	-100.7600141	347740.9269511517	4325932.39163237	2941.2306848051	2869.17674082051	2840.5494866492554	2840.5494866492554	64.60342397018726	64.60342397018726
581	ix 7981	11858.85867307351	796997.3170250766	-00.96922297725725	-100.757864	347945.162186804	4325928.43507774	2922.50045753662	2865.991105574053	2834.626274714672	2834.626274714672	65.3687188195891	65.3687188195891
582	ix 7982	12518.85867307351	796997.3170250766	-00.969220148337016	-100.7553414	348130.415886084	4325924.43507774	2922.50045753662	2865.991105574053	2834.626274714672	2834.626274714672	66.0984720450426	66.0984720450426
583	ix 7983	13178.85867307351	796997.3170250766	-00.96921924530816	-100.7530426	348344.060131585	4325920.458140209	2916.58910260342	2863.777153	2831.210325251623			

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
65	11	8065	6728.85867307335	799997.3170250766	39.0889489190032	-100.5624907	364829.204552332	4235594.845901052	2825.945486170848	2726.746973997482	2727.035408319456	28.3406040965667	28.3406040965667
66	11	8066	6795.85867307335	799997.3170250766	39.0890928271194	-100.5601689	365030.232755008	4235590.882	2848.104834074621	2734.50715200842	2734.2345373915978	29.7306779070874	29.7306779070874
667	11	8067	6818.85867307335	799997.3170250766	39.0895653685777	-100.5478431	365651.26978191524	4235586.3178291495	2848.31726836987878	2752.8278115730088	2721.6778931782	31.242333641257548	30.7289215234666
668	11	8068	6909.85867307335	799997.3170250766	39.0896904707836	-100.5555193	36452.3020077175	4235582.9640771159	2848.5827859062573	2751.70703611148	2720.032587996935	32.22333800500654	31.6777283
669	11	8069	6993.85867307335	799997.3170250766	39.0897621587611	-100.5531955	365633.334882722	4235578.900941928	2842.848307427575	2750.488304297953	2717.5382115506919	32.96088788434186	32.9791195430735
670	11	8070	7009.85867307335	799997.3170250766	39.0898714731606	-100.5508717	365834.3664762325	4235576.070079119	2841.138304252676	2749.2715603172555	2715.7053742240023	33.9942267030960	33.9942267030960
671	11	8071	7125.85867307335	799997.3170250766	39.0898567356148	-100.5485479	366035.3986760284	4235571.037202515	2838.616033637914	2748.065730637914	2714.503691183414	34.10946168192322	33.5530369
672	11	8072	7191.85867307335	799997.3170250766	39.08986174507854	-100.5462241	366236.4037469354	4235567.100949423	2835.356594211807	2748.063759392538	2712.5008375451853	34.1347599714896	34.3429185
673	11	8073	7257.85867307335	799997.3170250766	39.08986581709414	-100.5438004	366547.4624575256	4235563.1378291495	2830.09658950201654	2748.063759392538	2710.8234129194778	34.80916756050854	33.80154569483136
674	11	8074	7233.85867307335	799997.3170250766	39.0898517345904	-100.5415766	366595.4904834657	4235559.17482934	2830.836599	2744.42314261001	2719.1805547876305	35.2425578	34.3707518
675	11	8075	7389.85867307335	799997.3170250766	39.0898467032492	-100.5392528	366839.525694201	4235548.21916988	2828.1100615051887	2743.2148334365825	2707.5738114195005	35.641021927081965	34.12110032883
676	11	8076	7455.85867307335	799997.3170250766	39.08984182230712	-100.536929	367040.556975949	4235551.249714211	2823.916984636123	2742.00703418652	2706.006012193073	36.00102192573696	35.21945076014244
677	11	8077	7521.85867307335	799997.3170250766	39.08983672940563	-100.5346052	367241.588229689	4235547.284706093	2821.790767239838	2740.2882475457676	2704.7864903561846	36.5124962667401	35.8206106
678	11	8078	7567.85867307335	799997.3170250766	39.08983159162045	-100.5322614	367442.6194	4235543.3257272	2819.530831	2739.59282	2703.106168488035	36.48665117755035	35.7363253244616
679	11	8079	7633.85867307335	799997.3170250766	39.0898264895159	-100.5299576	367643.650396534	4235539.363	2816.67261590019	2738.386348933774	2702.7969498919054	36.5954890427201	35.96905174269336
680	11	8080	7719.85867307335	799997.3170250766	39.089820118	-100.5276338	367844.6811714634	4235535.4011449792	2813.1406369911438	2737.180279258458	2700.371824678245	36.80845458021258	36.2529728527716
681	11	8081	7785.85867307335	799997.3170250766	39.08981508962964	-100.525231	368045.17195792404	4235531.497902318	2808.626676762876	2735.97459759819	2699.0029653102165	36.999487193995209	36.4874035842569
682	11	8082	7851.85867307335	799997.3170250766	39.0891509143146	-100.522962	368246.7425704044	4235497.482199351	2806.102805176137	2734.760350041273	2697.646668780679	37.12063164449364	36.7094058
683	11	8083	7917.85867307335	799997.3170250766	39.08905232943973	-100.5206624	368447.7731	4235523.516699793	2803.54710575624	2733.564389037676	2696.060224056196	37.28055398363504	37.28055398363504
684	11	8084	7983.85867307335	799997.3170250766	39.08899892	-100.518387	368648.80431308314	4235519.85788035	2804.857485769694	2732.359337325205	2694.694504896138	37.664888273258	37.664888273258
685	11	8085	8048.85867307335	799997.3170250766	39.08889437038205	-100.5160149	368849.836348987	4235515.94780956	2803.057681077964	2731.152447696805	2693.647680416272	37.5049786613027	37.470465691487
686	11	8086	8115.85867307335	799997.3170250766	39.08888887	-100.5138911	369053.8637741319	4235511.633305857	2802.545476234034	2729.945676234034	2692.219436173896	37.7247160544372	37.75760633597
687	11	8087	8181.85867307335	799997.3170250766	39.08888887	-100.511684	369258.831789954	4235507.67825818	2801.578258184658	2728.9456258342	2691.68895858342	37.8813837817148	37.8813837817148
688	11	8088	8247.85867307335	799997.3170250766	39.088877715652	-100.5090435	369452.9235709312	4235503.17234257	2800.1505685817	2727.915204879411	2689.238603134136	38.28028184527518	38.42514129751859
688	11	8088	8318.85867307335	799997.3170250766	39.0888721366333	-100.5067197	369653.93529933177	4235499.75277378	2798.7269089242117	2726.303089925387	2687.4914934115	38.6224425962807	38.61279152120395
690	11	8090	8379.85867307335	799997.3170250766	39.0886644	-100.5043599	369854.9828975678	4235491.8214064	2795.1015620424	2725.085607420938	2686.008721695994	38.6854357345238	39.321320669925
691	11	8091	8445.85867307335	799997.3170250766	39.088607602895	-100.5020721	370056.012369904	4235485.38215222	2795.674742389724	2723.86503515848	2684.44087	39.4812608028784	39.68727072827
692	11	8092	8518.85867307335	799997.3170250766	39.088549484727	-100.4997483	370257.0147796218	4235487.8228504	2793.854068751708	2722.61419522574615	2682.4937810478423	40.14819121	40.4018464285413
693	11	8093	8577.85867307335	799997.3170250766	39.08874913888811	-100.497426	370463.971769818	4235483.91258011	2792.0363819258011	2721.41835988544425	2679.25898883029	40.258884737846703	40.258884737846703
694	11	8094	8633.85867307335	799997.3170250766	39.08872898543	-100.4951008	370659.1002339369	4235487.12717778	2790.591930370676	2721.764464181714	2684.356214786443	40.47132611542469	40.47132611542469
695	11	8095	8709.85867307335	799997.3170250766	39.0888373027927	-100.492777	370860.129	4235479.93386009	2790.024868073703	2718.957542939824	2674.502426230505	40.6743378779725	40.6743378779725
696	11	8096	8775.85867307335	799997.3170250766	39.08883143638954	-100.4904532	371061.1578510734	4235474.03441198	2792.683551524026	2717.74285460729	2672.897617630378	40.76711463451402	40.76711463451402
697	11	8097	8841.85867307335	799997.3170250766	39.0888254581646	-100.4881294	371262.186570161	4235468.073871715	2794.942703371715	2716.488391	2670.980170443275	40.76711463451402	40.76711463451402
698	11	8098	8907.85867307335	799997.3170250766	39.08881941035963	-100.485056	371463.21569599	4235464.116495912	2793.202019310921	2715.28225145956	2669.598409794427	40.76711463451402	40.76711463451402
699	11	8099	8973.85867307335	799997.3170250766	39.0888133001917	-100.4834819	371684.243424219	4235460.15767414	2792.585085987236	2714.00853073627	2667.731921327246	40.76711463451402	40.76711463451402
700	11	8100	9039.85867307335	799997.3170250766	39.0888027473623	-100.4811581	371955.1719121265	4235456.192011673	2792.054150198936	2712.764464181714	2664.356214786443	40.76711463451402	40.76711463451402
701	11	8101	9105.85867307335	799997.3170250766	39.08881034589244	-100.4788433	372066.3002122225	4235450.270788433	2790.591930370676	2711.57163430488	2662.471787308946	40.76711463451402	40.76711463451402
702	11	8102	9171.85867307335	799997.3170250766	39.088784196989	-100.4765105	372257.323715951	4235448.2858442	2798.9734250096432	2710.427554409664	2661.7125853101594	40.76711463451402	40.76711463451402
703	11	8103	9237.85867307335	799997.3170250766	39.088788582507	-100.4741867	372468.3562955886	4235444.324808735	2800.261509160214	2710.914862963346	2660.918165683803	40.76711463451402	40.76711463451402
704	11	8104	9303.85867307335	799997.3170250766	39.0887822550675	-100.4718629	372669.3851504146	4235440.36656052	2800.368447792631	2710.758844	2658.845493366197	40.76711463451402	40.76711463451402
705	11	8105	9368.85867307335	799997.3170250766	39.0887750542726	-100.4695392	372870.4118820679	4235440.88819385	2800.473386245044	2706.499645041748	2656.942622221133	40.76711463451402	40.76711463451402
706	11	8106	9433.85867307335	799997.3170250766	39.08876910335919	-100.4672718	373017.43949102215	4235432.451	2800.582325057465	2705.23722881804	2654.8102691741196	40.76711463451402	40.76711463451402
707	11	8107	9499.85867307335	799997.3170250766	39.08876429103359	-100.464946	373167.43949102215	4235432.451	2800.582325057465	2705.23722881804	2654.8102691741196	40.76711463451402	40.76711463451402
708	11	8108	9567.85867307335	799997.3170250766	39.08875659	-100.4625718	373347.4943413522	4235434.356337308	2800.582325057465	2705.23722881804	2654.8102691741196	40.76711463451402	40.76711463451402
709	11	8109	9633.85867307335	799997.3170250766	39.08875006803128	-100.460244	373674.5215831362	4235420.59423407	2800.582325057465	2705.23722881804	2654.8102691741196	40.76711463451402	40.76711463451402
710	11	8110	9698.85867307335	799997.3170250766	39.08874348397325	-100.4579203	373875.5487029382	4235416.6234997	2799.1853201383472	2704.703761547578	2645.425101	40.76711463451402	40.76711463451402
711	11	8111	9758.85867307335	799997.3170250766	39.08873865033244	-100.455995	374075.570096373	4235416.6234997	2799.1853201383472	2704.703761547578	2645.425101	40.76711463451402	40.76711463451402
712	11	8112	9813.85867307335	799997.3170250766	39.0887302120925	-100.4532727	374277.60257741355	4235408.709	2784.511874497364	26			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevKgr.f	BRElevBothKgr.f	SatHtBothKgr.f	SatHtBothKgr.f	
51	12	8191	-337941.1413	799657.3170250766	39.065157120959306	-01.98992753	241366.5997172982	4328261.184	3849.410109436217	3771.309611382146	3773.086923813254	3770.17416	44.2288766902076	47.13545130447619
52	12	8192	-337281.1413	799657.3170250766	39.06518007933596	-01.9896818	241567.7493782488	4328257.1716287	3843.73115953647	3815.711921	3771.7278842566	3769.048128010824	43.9840329733292	46.63004203214675
53	12	8193	-336621.1413	799657.3170250766	39.06522981926326	-01.9846293	241768.90682226	4328293.95186881	3844.063867369372	3814.100145872554	3769.178771730254	43.571196581669	43.318741466918	46.318741466918
54	12	8194	-335961.1413	799657.3170250766	39.06525981659165	-01.98232048	241790.0713824364	4328248.9620454	3832.33726	3812.47345970006	3768.58643511877	3767.913797018	43.4602242870198	46.09432172900919
55	12	8195	-335301.1413	799657.3170250766	39.06524868539561	-01.9799813	242171.2020006582	4328244.297019196	3834.55349606235	3810.8310291141565	3767.159973233122	3764.584767694265	43.67105588103459	46.28226141923005
56	12	8196	-334641.1413	799657.3170250766	39.0652714643158	-01.9776578	242372.352633659	4328240.85547147	3832.550807604693	3809.17240027013	3765.8374905407394	3762.824804413239	43.4354952227339	46.3745952773768
57	12	8197	-333981.1413	799657.3170250766	39.06529419366999	-01.9753343	242573.5047073425	4328236.39018175	3834.5621565152703	3807.496523	3764.394602142866	3766.043951819235	43.1010203693149	41.451927964129
58	12	8198	-333321.1413	799657.3170250766	39.06531688754084	-01.9730108	242774.6523208764	4328232.72533402	3836.572504969368	3805.7999212575974	3762.7815931377672	3763.04290981822	43.0382311983011	42.7570114937522
59	12	8199	-332661.1413	799657.3170250766	39.06533958184005	-01.9707673	242975.9019178171	4328226.968517625	3838.718689185562	3804.063867185562	3764.183201075986	3760.13406767592	42.9006863974222	43.84968098148454
60	12	8200	-332001.1413	799657.3170250766	39.06536213123464	-01.9683368	243176.95126405	4328224.59589881	3843.99743701162	3802.34687370162	3759.647033028023	3760.6180971767005	42.70217031597958	41.530729234916
61	12	8201	-331341.1413	799657.3170250766	39.065338489	-01.9660403	243378.1003475076	4328220.531	3848.276728074468	3800.5882916519654	3758.2317017608324	3758.821720434115	41.76011451363924	
62	12	8202	-330681.1413	799657.3170250766	39.0654071548962	-01.9637168	243579.2491800407	4328216.46707159	3852.55547859743	3798.80178996625	3756.686177260494	3756.91505912992	41.424173617205	41.8891079740067
63	12	8203	-330021.1413	799657.3170250766	39.06542966028944	-01.961393	243780.3977850478	4328212.4023016	3857.190440603835	3755.2034769042525	3754.95696853993	3754.95696853993	41.80092769913244	42.04470474939217
64	12	8204	-329361.1413	799657.3170250766	39.06545200821544	-01.9590968	243981.546082674	4328208.39	3845.972440513681	3795.179062665635	3752.8613613424873	3752.9143674702817	42.31770131404754	42.264978682039
65	12	8205	-328701.1413	799657.3170250766	39.0654744526605	-01.9566743	244182.694110086	4328204.27453889	3840.97224853328	3793.3239372488743	3750.9218118543304	3750.921853692474	42.14112534945284	42.57485166014899
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67	12	8207	-327381.1413	799657.3170250766	39.06551907074252	-01.9520992	244584.9895333036	4328196.148029178	3829.74251656502	3789.52794580977	3748.713225	3748.481220044458	42.8597482304769	41.591454063961
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69	12	8209	-326061.1413	799657.3170250766	39.06556350671901	-01.9474522	244987.2830005117	4328188.02158984	3822.974341424614	3785.7220047156557	3742.19547826953	3742.19547826953	43.5262576807026	42.0684168549417
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72	12	8212	-324081.1413	799657.3170250766	39.06562962412048	-01.9404816	245590.725554082	4328175.83180154	3827.38097380076	3779.780001547895	3734.927914102002	3736.758786817297	44.85024745554674	43.2014327665581
73	12	8213	-323421.1413	799657.3170250766	39.0656518017069	-01.9378181	245791.8698167177	4328171.771	3786.5120967693	3779.780001547895	3734.927914102002	3736.758786817297	44.85024745554674	43.2014327665581
74	12	8214	-322761.1413	799657.3170250766	39.0656731155543	-01.9353546	245993.01549651127	4328167.708413485	3840.0243500116384	3775.716857257553	3730.754225685963	3731.005498308026	44.962400315899	44.962400315899
75	12	8215	-322101.1413	799657.3170250766	39.0656957376501	-01.9335111	246194.161	4328163.4822499	3837.975907106078	3773.65578830178	3729.09812216845	3729.09812216845	44.70737330832776	44.70737330832776
76	12	8216	-321441.1413	799657.3170250766	39.06571761908027	-01.9318175	246395.30633097384	4328159.584	3827.556797035344	3771.575411627988	3725.133819133943	3721.797456250237	46.44202971459435	49.7777641075141
77	12	8217	-320781.1413	799657.3170250766	39.0657394552916	-01.928884	246596.4513709942	4328155.5225229	3817.137673630004	3769.47498081399	3722.1426550819056	3721.275147	43.243299948496	48.2010538050401
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79	12	8219	-319461.1413	799657.3170250766	39.06578429410086	-01.9242168	246998.74698976018	4328147.39948793	3793.259242738005	3715.9192849619	3715.9192849619	3715.9192849619	48.30982684228534	50.1958258698902
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81	12	8221	-318141.1413	799657.3170250766	39.06582635307016	-01.9195699	247401.029	4328139.327023545	3801.132242073103	3760.91286	3709.149854001404	3708.634792300437	47.7147882605517	52.076808190617
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87	12	8227	-314181.1413	799657.3170250766	39.0659565593683	-01.9052628	248607.8879897056	4328094.47810671075	3794.984510506496	3746.117701216917	3696.5120967693	3696.5120967693	44.85024745554674	43.2014327665581
88	12	8228	-313521.1413	799657.3170250766	39.0659796880735	-01.9030351	248809.03072717324	4328101.8535045	3788.240110268597	3745.362497828049	3746.07707520079	3696.5120967693	44.85024745554674	43.2014327665581
89	12	8229	-312861.1413	799657.3170250766	39.06599798392201	-01.9009815	249010.17231632498	4328106.794073047	3783.668902527467	3743.0818186084284	3694.208026454583	3694.208026454583	44.85024745554674	43.2014327665581
90	12	8230	-312201.1413	799657.3170250766	39.06601924078631	-01.898658	249211.3141067328	4328102.734459498	3777.896733814513	3740.784076916848	3691.18422469648	3691.18422469648	44.85024745554674	43.2014327665581
91	12	8231	-311541.1413	799657.3170250766	39.0660345537876	-01.8963344	249412.5546680784	4328098.057013314	3776.69639325518	3738.4691209102693	3694.0296778588	3694.0296778588	44.85024745554674	43.2014327665581
92	12	8232	-310881.1413	799657.3170250766	39.066056161790205	-01.8940109	249618.55964214828	4328094.615734847	3774.954892171	3737.37176800113	3694.0296778588	3694.0296778588	44.85024745554674	43.2014327665581
93	12	8233	-310221.1413	799657.3170250766	39.06607782491086	-01.891681	249825.7249177704	4328092.3304422	3773.65578830178	3736.5120967693	3749.780001547895	3734.927914102002	44.85024745554674	43.2014327665581
94	12	8234	-309561.1413	799657.3170250766	39.06610310980904	-01.8893368	250015.8758705499	4328096.47810671075	3794.984510506496	3746.117701216917	3696.5120967693	3696.5120967693	44.85024745554674	43.2014327665581
95	12	8235	-308901.1413	799657.3170250766	39.06612483977435	-01.8870402	250217.0193348245	4328082.438095678	3785.17322360971	3729.0467089766285	3692.140629130323	3691.798434053281	68.8970946340559	67.24827492347275
96														

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
17	17	8317	-254781.1413	799657.3170250766	39.06769864323601	-101.6965044	266709.72114180884	3277750.189344168	3487.557601754747	3487.557601754747	3430.8260040433564	3429.3398949669849	58.2176087797985
178	12	8318	-254201.1413	799657.3170250766	39.06771378717582	-101.6941808	266910.8418447275	327746.144537165	3480.620226	3480.620226	3428.19121789848	3427.8336314100293	52.7865949841107
179	12	8319	-254201.1413	799657.3170250766	39.067736356813748	-101.694181	267111.86224876717	327742.93736453	3479.20348623814	3479.20348623814	3429.343338659576	3428.94816753386	53.3822479983255
180	12	8320	-252801.1413	799657.3170250766	39.06774820641807	-101.6895335	26733.0125502676	3483.78698238144	3484.881673190434	3424.302167688257	3424.302167688257	58.5031091910054	59.007800549871124
181	12	8321	-252141.1413	799657.3170250766	39.0677654529720446	-101.6872098	267514.20257117634	3277730.910625179	3487.5456879237165	3487.5456879237165	3423.6245541220896	3421.961915652036	64.62567227168074
182	12	8322	-251481.1413	799657.3170250766	39.06778255	-101.6848861	267715.32253237387	3485.1000817132626	3485.1000817132626	3422.330864040654	3421.461913262064	62.769953201269	63.63816935525165
183	12	8323	-250821.1413	799657.3170250766	39.06779963	-101.6825265	267916.4419055982	3277725.82268283	3481.915013127802	3481.915013127802	3421.5863432959586	3420.4386216496327	61.4767518718736
184	12	8324	-250161.1413	799657.3170250766	39.06781636635214	-101.6802288	268117.1122466087	3277721.8989463	3485.475885235933	3485.475885235933	3420.12334790009	3416.885126076548	61.8381702449516
185	12	8325	-249501.1413	799657.3170250766	39.06783665813748	-101.6779152	268370.86823202874	327742.93736453	3479.20348623814	3479.20348623814	3429.343338659576	3428.94816753386	53.3822479983255
186	12	8326	-248841.1413	799657.3170250766	39.06785063030708	-101.675915	268519.7991651085	327771.79143263	3474.40127159549	3474.40127159549	3415.958811426156	3412.695055645325	56.36091414
187	12	8327	-248181.1413	799657.3170250766	39.067876503700708	-101.6732678	268870.78212821085	3277709.48059419	3469.08178550709	3469.08178550709	3414.2939915745233	3410.2641025457694	54.787868
188	12	8328	-247521.1413	799657.3170250766	39.06788435821727	-101.6709442	268922.0362292072	3277705.70494849	3463.9807484179564	3463.9807484179564	3412.035403001676	3405.13619323495	58.8455864866087
189	12	8329	-246861.1413	799657.3170250766	39.06790116848505	-101.6686205	269123.15440746956	3277701.66180329	3458.8795182852036	3458.8795182852036	3409.640557734318	3402.541230306894	56.3382658541424
190	12	8330	-246201.1413	799657.3170250766	39.06791793387324	-101.6662968	269324.2723576454	327697.61831845	3453.772881824518	3453.772881824518	3407.59479840244	3399.865671	46.18348917220754
191	12	8331	-245541.1413	799657.3170250766	39.0679364536214	-101.6639732	269525.2907954506	327693.6223393	3448.904189887531	3448.904189887531	3402.8451471546637	3397.1812346528	51.78905754122327
192	12	8332	-244881.1413	799657.3170250766	39.06795130011425	-101.661649	269726.157740025	327689.53381969	3444.2572234911045	3444.2572234911045	3401.02113369501	3394.58464359905	43.2360979173535
193	12	8333	-244221.1413	799657.3170250766	39.06796796076114	-101.6593258	269927.6248625934	327685.49130761	3435.0257094457	3435.0257094457	3398.201454491958	3391.0160620951	41.40982056049236
194	12	8334	-243561.1413	799657.3170250766	39.06798454631244	-101.6570021	270178.7418797389	327681.44910011	3434.963206978095	3434.963206978095	3395.271032240683	3387.544851276117	41.414388436761
195	12	8335	-242901.1413	799657.3170250766	39.06800108721745	-101.6546785	270329.858691347	327677.407059766	3431.5225016047816	3431.5225016047816	3392.2169199247214	3384.530530937948	46.9921507
196	12	8336	-242241.1413	799657.3170250766	39.06801758	-101.6523458	270530.97274892	327673.8613628	3429.28789815372	3429.28789815372	3392.275141440064	3386.17847387824	57.012748411096574
197	12	8337	-241581.1413	799657.3170250766	39.06803034963734	-101.6500311	270732.0913645059	327673.323479956	3427.0532780259637	3427.0532780259637	3388.041942991318	3382.86567676171	50.9133152
198	12	8338	-240921.1413	799657.3170250766	39.0680504131517	-101.6477074	270923.2077659145	327669.21940528	3424.818666235642	3424.818666235642	3384.477191521523	3379.38366142432	40.31407480491
199	12	8339	-238301.1413	799657.3170250766	39.0680692786845	-101.6453817	271134.5287867417	327661.40068973	3419.984861648967	3419.984861648967	3382.95895269727	3380.500782115835	60.36887448840426
200	12	8340	-236901.1413	799657.3170250766	39.06808311937876	-101.6430601	271335.4393456207	327657.19382267	3423.065714665914	3423.065714665914	3379.1196878157825	3371.024095820748	58.80504123
201	12	8341	-238841.1413	799657.3170250766	39.0680993109086	-101.6407364	271536.5548022974	327653.158324061	3417.646622126452	3417.646622126452	3371.7448650604764	3365.866247122607	57.838761170970157
202	12	8342	-238281.1413	799657.3170250766	39.06811561793117	-101.6384127	271737.67012917297	327649.117	3414.224726966013	3414.224726966013	3367.05140558402	3361.551422	53.37510897047814
203	12	8343	-237621.1413	799657.3170250766	39.0681317988356	-101.636089	271938.7851046587	327645.07674857	3408.804713505714	3408.804713505714	3361.9308847077123	3356.2831440799587	60.8614851804516
204	12	8344	-236961.1413	799657.3170250766	39.06814793696024	-101.6337654	272139.8999063539	327641.03028169	3403.386581833535	3403.386581833535	3355.747811748254	3351.411683	61.1296107
205	12	8345	-236301.1413	799657.3170250766	39.06816402914855	-101.6314471	272341.014570427	327636.95837412	3419.984861648967	3419.984861648967	3347.97191521523	3347.97191521523	40.31407480491
206	12	8346	-235641.1413	799657.3170250766	39.068179746113	-101.629118	272542.128773585	327632.95837412	3405.9514914637	3405.9514914637	3347.97191521523	3347.97191521523	40.31407480491
207	12	8347	-234981.1413	799657.3170250766	39.068196788372	-101.6267943	272743.24288337	327628.915966705	3403.367296	3403.367296	3343.76037346518	3336.820971783324	64.6069221286174
208	12	8348	-234321.1413	799657.3170250766	39.0682120364626	-101.6244706	272944.3567959395	327624.875726665	3401.931481615255	3401.931481615255	3340.7471937386	3331.92343707592	67.1527612367408
209	12	8349	-233661.1413	799657.3170250766	39.06822794911878	-101.6221469	273145.4704118904	327620.83026356	3399.471476329673	3399.471476329673	3337.350238352988	3328.8024360578	67.30955690522031
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213	12	8353	-231021.1413	799657.3170250766	39.06829115100777	-101.6128522	273949.9279719376	327604.67880055	3394.984861648967	3394.984861648967	3326.8618998383062	3325.198974765221	67.1527612367408
214	12	8354	-230361.1413	799657.3170250766	39.0683038237953	-101.6105285	274151.0353101323	327600.64013655	3408.3181978282515	3408.3181978282515	3320.716957991723	3313.419542279943	57.02947176387801
215	12	8355	-229701.1413	799657.3170250766	39.06832246267111	-101.6082048	274352.1476229571	327596.601309354	3404.749734871214	3404.749734871214	3317.373861347416	3310.105703597387	57.02947176387801
216	12	8356	-229041.1413	799657.3170250766	39.06833808118243	-101.6058811	274553.259709539	327592.56274556	3394.250374598365	3394.250374598365	3314.07578104336	3310.105703597387	57.02947176387801
217	12	8357	-228381.1413	799657.3170250766	39.06835363481348	-101.6035574	274754.3715420264	327588.52406488	3383.751016105928	3383.751016105928	3312.07289893931	3308.09545246757	57.02947176387801
218	12	8358	-227721.1413	799657.3170250766	39.06836914356418	-101.6012337	274955.4832159192	327584.48605131	3373.2516567021653	3373.2516567021653	3309.404189887531	3308.09545246757	57.02947176387801
219	12	8359	-227061.1413	799657.3170250766	39.06838464817345	-101.5989363	275146.594876804	327580.47653084	3365.448297076887	3365.448297076887	3307.97191521523	3307.97191521523	40.31407480491
220	12	8360	-226401.1413	799657.3170250766	39.06840005245234	-101.5965863	275357.708352456	327575.41039027	3365.448297076887	3365.448297076887	3306.9893742579	3306.9893742579	57.02947176387801
221	12	8361	-225741.1413	799657.3170250766	39.06841540053418	-101.5942626	275558.8186078697	327572.37602085	3362.75373821338	3362.75373821338	3317.221361	3318.253971797992	57.02947176387801
222	12	8362	-225081.1413	799657.3170250766	39.0684307976329	-101.5919389	275759.927614707	327568.3266198	3362.75373821338	3362.75373821338	3315.632776	3318.253971797992	57.02947176387801
223	12	8363	-224421.1413	799657.3170250766	39.0684460141198	-101.5896152	275961.0380355955	327564.29770084	3362.75373821338	3362.75373821338	3315.632776	3318.253971797992	57.02947176387801
224	12	8364	-223761.1413	799657.3170250766	39.06846125358022	-101.5872915	276162.1484043297	327560.26005745	3365.81404605705	3365.81404605705	3310.7387977036	3313.930078645958	67.1527612367408
225	12	8365	-223101.1413	799657.3170250766	39.06847648167345	-101.5849878	276363.258493981	327556.22346847	3				

ix	iy	x	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatThkLogs.ft	SatThkBoth.ft
302	1843	-171621.1413	799657.3170250766	39.0695234693107	-11.4037161	292049.1812677259	4327221.848114607	3197.008979987342	3197.008979987342	3197.008979987342	3187.810153045471	0	9.198826941871175
304	1844	-170961.1413	799657.3170250766	39.0695349587452	-11.4013932	292250.2743647966	4327237.820423312	3196.243974473963	3196.243974473963	3196.243974473963	3195.2439744642697	0	9.895410627663296
306	1845	-170301.1413	799657.3170250766	39.069546399635446	-11.3994668	292451.3670044659	4327253.800518797	3193.478970965843	3193.478970965843	3193.478970965843	3191.506825400815	0	11.972345419782689
308	1846	-169641.1413	799657.3170250766	39.06955815911384	-11.3967448	292652.4045959598	4327229.776971681	3191.713966447206	3191.713966447206	3191.713966447206	3182.7973664045	0	8.916586960315158
307	1847	-168981.1413	799657.3170250766	39.06956967340963	-11.394421	292853.5315110304	4327225.753589748	3192.829182033434	3192.829182033434	3192.829182033434	3183.498296	0	9.33288589780408
308	1848	-168321.1413	799657.3170250766	39.06958114282258	-11.3920972	293054.6455611201	4327221.730373994	3196.8246177192823	3196.8246177192823	3196.8246177192823	3185.26530717268	0	9.97453402153167
309	1849	-167661.1413	799657.3170250766	39.06959267353543	-11.3897734	293255.738132143	4327217.707324408	3200.8205914051266	3194.635971164635	3200.8205914051266	3186.050717163764	0	8.584958140087194
310	1840	-167001.1413	799657.3170250766	39.069603947001376	-11.3874497	293456.82985659345	4327213.684400982	3204.815489	3194.0386326613375	3204.815489	3185.58281752476	0	8.450351408089858
311	1851	-166341.1413	799657.3170250766	39.069615257176664	-11.3858259	293657.861694458	4327209.681723706	3206.4444731418143	3193.44473039849	3206.4444731418143	3186.4988304021433	0	6.959689867606551
312	1852	-165681.1413	799657.3170250766	39.06962557	-11.3838201	293859.0133031596	4327205.639172576	3202.70005552699	3192.653023444255	3202.70005552699	3191.531830043682	0	1.273500019526948
313	1853	-165021.1413	799657.3170250766	39.06963782	-11.3804783	294060.1047664495	4327201.67187589	3199.965379735035	3192.287623989021	3199.965379735035	3192.51744525854	0	0
314	1854	-164361.1413	799657.3170250766	39.06964901766627	-11.3781546	294261.1599970227	4327197.594568732	3197.232073089348	3191.75426316685	3197.232073089348	3192.987786823725	0	0
315	1855	-163701.1413	799657.3170250766	39.069660172006674	-11.3758308	294462.2807248823	4327193.572515996	3201.017683433996	3191.148521320336	3201.017683433996	3193.2631391959	0	0
316	1856	-163041.1413	799657.3170250766	39.06967128	-11.373507	294663.3778502567	4327189.5506293755	3211.326377106376	3190.583152460225	3211.326377106376	3194.55324636326	0	0
317	1857	-162381.1413	799657.3170250766	39.069683247821164	-11.3711832	294864.4884733363	4327185.592890864	3221.630770791134	3190.0180851576715	3221.630770791134	3195.571832705703	0	0
318	1858	-161721.1413	799657.3170250766	39.06969336840721	-11.3688584	295065.558984389	4327181.507354453	3231.94374651851	3189.452711	3231.94374651851	3195.54303412478	0	0
319	1859	-161061.1413	799657.3170250766	39.069704344110406	-11.3665357	295266.6411346463	4327177.485961136	3245.087272224697	3188.8658249208	3245.087272224697	3196.063921458716	0	0
320	1860	-160401.1413	799657.3170250766	39.069715274930765	-11.3642119	295467.7391309193	4327173.464743901	3261.06549091019	3188.319303714024	3261.06549091019	3208.5011749231853	0	0
321	1861	-159741.1413	799657.3170250766	39.0697261608825	-11.3618881	295668.8289460626	4327169.43887746	3277.043915995526	3187.751668210774	3277.043915995526	3197.899627426557	0	0
322	1862	-159081.1413	799657.3170250766	39.06973701912824	-11.3595643	295869.9186	4327165.423	3293.02223782805	3187.1834347083486	3293.02223782805	3197.9506104723365	0	0
323	1863	-158421.1413	799657.3170250766	39.0697477890453	-11.3572405	296071.0079752972	4327161.402	3304.40190213474	3186.61412281697	3304.40190213474	3198.3865048173093	0	0
324	1864	-157761.1413	799657.3170250766	39.06975845935326	-11.3549167	296272.0971881097	4327157.3815156716	3320.189771175205	3186.043604897955	3320.189771175205	3197.647216874007	0	0
325	1865	-157101.1413	799657.3170250766	39.06976915759055	-11.3525812	296473.7162	4327153.821248907	3335.64892494584	3182.951519857087	3335.64892494584	3208.01810789758	0	0
326	1866	-156441.1413	799657.3170250766	39.0697791731188	-11.3502692	296674.2750119832	4327149.340897872	3345.709392902116	3184.904150741566	3345.709392902116	3198.2503919846	0	0
327	1867	-155781.1413	799657.3170250766	39.069790533651696	-11.3479454	296875.36234676	4327145.320838024	3353.071932783667	3184.326762815495	3353.071932783667	3199.320318174266	0	0
328	1868	-155121.1413	799657.3170250766	39.06980105708514	-11.3456216	297076.4520349087	4327141.300944201	3354.7458267374305	3183.751363749154	3354.7458267374305	3200.91236002589	0	0
329	1869	-154461.1413	799657.3170250766	39.06981163	-11.3432978	297277.54026452013	4327137.281216396	3356.4729924814947	3183.15227511224	3356.4729924814947	3201.046054300575	0	0
330	1870	-153801.1413	799657.3170250766	39.06982211457299	-11.340974	297478.6282585042	4327133.16345946	3358.206973255584	3182.598762431914	3358.206973255584	3200.59502293447	0	0
331	1871	-153141.1413	799657.3170250766	39.0698326168585	-11.3386592	297679.7162	4327129.4226807	3363.64892494584	3182.951519857087	3363.64892494584	3208.01810789758	0	0
332	1872	-152481.1413	799657.3170250766	39.06984294391039	-11.3363254	297880.87347836914	4327125.22307706	3364.804913752556	3182.43407077277	3364.804913752556	3208.34727926478	0	0
333	1873	-151821.1413	799657.3170250766	39.069853291251825	-11.3340028	298081.8911987017	4327121.203631394	3365.962691324823	3180.86204543698	3365.962691324823	3208.3063367061325	0	0
334	1874	-151161.1413	799657.3170250766	39.06986339731011	-11.3317678	298282.9784142226	4327117.185065359	3367.12555686439	3180.287679733895	3367.12555686439	3207.67061731025	0	0
335	1875	-150501.1413	799657.3170250766	39.0698738128523	-11.329355	298484.065431421	4327113.166333494	3367.305606782556	3179.696079	3367.305606782556	3206.4125353461	0	0
336	1876	-149841.1413	799657.3170250766	39.06988406397719	-11.3270312	298685.15224966017	4327109.14776793	3368.5502805126416	3179.108524284417	3368.5502805126416	3206.4125353461	0	0
337	1877	-149181.1413	799657.3170250766	39.06989423176595	-11.3247074	298886.2386989487	4327105.12936762	3368.708923045457	3178.5181962063652	3368.708923045457	3206.4125353461	0	0
338	1878	-148521.1413	799657.3170250766	39.06990454711515	-11.322337	299087.3252202716	4327101.11133658	3369.02701778273	3177.92713911518	3369.02701778273	3212.78902524073	0	0
339	1879	-147861.1413	799657.3170250766	39.069914423753026	-11.3200659	299289.6715116862	4327097.039065605	3369.3409217225584	3176.93576071094	3369.3409217225584	3213.564641206557	0	0
340	1880	-147201.1413	799657.3170250766	39.06992446591302	-11.3177361	299489.4945343223	4327093.075163483	3369.64781436298	3176.74715996326	3369.64781436298	3214.544746802108	0	0
341	1881	-146541.1413	799657.3170250766	39.0699344518886	-11.3154123	299690.5837424145	4327089.057427289	3369.97473505994	3176.1758074004483	3369.97473505994	3213.394552142252	0	0
342	1882	-145881.1413	799657.3170250766	39.069944397581416	-11.3130885	299891.6900583735	4327085.03987013	3342.41700875597	3175.568403	3342.41700875597	3214.286422733463	0	0
343	1883	-145221.1413	799657.3170250766	39.06995426090664	-11.3107467	300092.5102442844	4327081.02245648	3341.1947898027096	3174.97859965939	3341.1947898027096	3214.181543	0	0
344	1884	-144561.1413	799657.3170250766	39.06996414971659	-11.3084049	300293.6396797006	4327077.005214182	3338.381110945286	3174.380476272307	3338.381110945286	3216.62584687464	0	0
345	1885	-143901.1413	799657.3170250766	39.069974063979568	-11.3060812	300494.7228981412	4327064.7228981412	3337.567398529294	3173.94270735693	3337.567398529294	3216.62584687464	0	0
346	1886	-143241.1413	799657.3170250766	39.069983722318045	-11.3037933	300695.09657895	4327068.971234931	3335.753767942846	3173.2047017019	3335.753767942846	3215.994271184225	0	0
347	1887	-142581.1413	799657.3170250766	39.0699934129426	-11.3014695	300897.09421749215	4327064.95449128	3334.024172196347	3172.609085032002	3334.024172196347	3215.673389253867	0	0
348	1888	-141921.1413	799657.3170250766	39.0700031538674	-11.2991457	301098.17862116	4327060.938	3332.423547218003	3172.013405067335	3332.423547218003	3215.35843023364	0	0
349	1889	-141261.1413	799657.3170250766	39.07001274459578	-11.2968219	301299.262691054	4327056.921501134	3330.2829832155776	3171.416673137848	3330.2829832155776	3215.08725130893	0	0
350	1890	-140601.1413	799657.3170250766	39.07002232892141	-11.2944481	301500.3499915035	4327052.905266928	3329.213419199195	3170.815221737619	3329.213419199195	3214.900619784011	0	0
351	1891	-139941.1413	799657.3170250766	39.07003186838367	-11.2921743	301701.4458958743	4327048.889189645	3328.54836662593	3170.208264712174	3328.54836662593	3214.72708836466	0	0
352	1892	-139281.1413	799657.3170250766	39.07004136232229	-11.2898972	301902.51453051054	4327044.87372908	3328.741154249972	3169.5993092713	3328.741154249972	3214.625203596295	0	0
353	1893	-138621.1413	799657.3170250766	39.07005081259748	-11.2875267	302103.5980075281	4327040.857323615	3328.584100342837	3168.98711840773	3328.584100342837	3214.625203596295	0	0

ix	iy	x	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
429	12	8569	-84861.14133	799657.3170250766	39.07063767615706	-111.10919	317385.3672545937	426736.15495499	3176.511200804003	3032.5357342122514	3051.1743894293914	31.34923798059344	52.6192659991345
430	12	8570	-87801.14133	799657.3170250766	39.070643651215725	-111.108941	317586.4567545444	426732.14699518	3173.022734718398	3102.34115373053	3049.42823009357	51.86026509597589	52.9181676863421
431	12	8571	-8741.14133	799657.3170250766	39.07064496916154	-111.106848	317787.5285675665	426738.13981035	3171.480487127118	3051.853806142166	3048.686772793314	51.58403149191604	54.366623
432	12	8572	-86481.14133	799657.3170250766	39.0706550376191	-111.103944	317868.5943818174	426734.12099582	3171.7644573119625	3047.0429684225096	3045.1706841710845	52.6789057	54.5509748271347
433	12	8573	-85821.14133	799657.3170250766	39.07066136270806	-111.101206	318189.6629275027	426720.134	3172.088427	3088.344705994576	3045.496819183968	53.842862571368	54.48213118179956
434	12	8574	-8561.14133	799657.3170250766	39.0706717676956	-111.099297	318390.731294259	426716.132148356	3171.4212397680456	3096.922534370241	3043.4704310566844	53.47180231355656	55.2146675
435	12	8575	-84501.14133	799657.3170250766	39.07067294546443	-111.0969729	318591.7994389323	426702.1299745375	3170.567209208444	3095.4561898973957	3041.9719346646943	53.042558731401786	55.20131954232336
436	12	8576	-83841.14133	799657.3170250766	39.0706786203857	-111.0946491	318706.78459620636	426702.127659845	3169.5240740110957	3038.948670282438	3039.778253365058	53.1784681379815	55.955073201118
437	12	8577	-83161.14133	799657.3170250766	39.07068443645836	-111.092325	318983.530676126	426704.12212429	3169.483496970107	3059.462876981110	3037.451926226268	53.35544286125924	54.950746826804
438	12	8578	-82521.14133	799657.3170250766	39.07068994816887	-111.090014	319195.02084565	426700.12444135	3165.45918009119	3050.523639158903	3034.975257491213	53.17134022055	54.845316673884
439	12	8579	-81851.14133	799657.3170250766	39.07069557380695	-111.087678	319396.0708631792	426696.123003996	3163.701455923375	3089.216830777411	3032.130842373185	53.3032787787741	55.8204282997325
440	12	8580	-81201.14133	799657.3170250766	39.07070111856033	-111.085357	319597.1377646273	426692.12581039	3162.250162119889	3087.585856545345	3027.3664913215057	53.8852848918071	60.2196522389376
441	12	8581	-80541.14133	799657.3170250766	39.07070662	-111.0830298	319798.2048914417	426688.120400168	3160.790178647385	3085.934114576263	3026.065858249085	53.96575287513426	61.39834720718234
442	12	8582	-79881.14133	799657.3170250766	39.070712073412935	-111.080706	319999.2718363936	426684.11938241	3159.330195174999	3084.263081980813	3022.9783918730836	54.284963249774	62.69060090124865
443	12	8583	-79221.14133	799657.3170250766	39.07071746351212	-111.078321	32000.33868020613	426680.1185289756	3157.334571179965	3084.263081980813	3022.9783918730836	54.284963249774	62.69060090124865
444	12	8584	-78561.14133	799657.3170250766	39.07072284872654	-111.076163	320401.40520315897	426676.1178421818	3156.8728521968	3080.8728521968	3016.422854364576	54.05402028	65.5131844675921
445	12	8585	-77901.14133	799657.3170250766	39.07072817	-111.073734	320602.4716219984	426672.117320067	3152.377452634868	3079.159140864626	3013.0876564401883	53.011547202547027	67.00424944075985
446	12	8586	-77241.14133	799657.3170250766	39.07073344501111	-111.0714106	320803.537643096	426668.117	3148.8167196569	3007.435076469635	3009.871473473096	53.7556773	68.3661262509507
447	12	8587	-76581.14133	799657.3170250766	39.07073867506122	-111.0690867	321004.0363321582	426664.116770669	3147.868139552757	3075.699347710427	3006.9036634409226	53.78566478761203	69.93346884
448	12	8588	-75921.14133	799657.3170250766	39.07074386036524	-111.0667629	321205.6662338543	426660.11764305	3146.7768004391	3073.562731276446	3004.16554819256	53.761726308485	70.2189147094504
449	12	8589	-75261.14133	799657.3170250766	39.07074900152704	-111.0644391	321406.735	426656.116881616	3145.0836164562043	3072.1964612972753	3001.562511913536	53.67033942176423	71.00831304747226
450	12	8590	-74601.14133	799657.3170250766	39.07075409743274	-111.0621152	321607.80108155997	426652.117187401	3143.691354908108	3070.432581277251	2999.13748624966	53.6985799993131	71.6728128411974
451	12	8591	-73941.14133	799657.3170250766	39.07075914683882	-111.059813	321822.7049353593	426648.118287611	3142.198171852849	3068.277178305784	2997.21763057284	53.677344042053	72.077344042053
452	12	8592	-73281.14133	799657.3170250766	39.0707645458968	-111.0574675	322009.931369884	426644.11826055	3140.595586167293	3065.89514662747	2996.95161423757	53.6954471032974	73.00037897043
453	12	8593	-72621.14133	799657.3170250766	39.07076911584087	-111.0551437	322210.996571858	426640.119084302	3139.69584860256	3065.1145190127204	2996.779969523326	53.6834549893425	68.99447602
454	12	8594	-71961.14133	799657.3170250766	39.07077403207273	-111.0528198	322412.0615002093	426636.120047592	3137.396093833802	3063.339573422594	2996.754574912677	53.685711593132693	67.44521603704528
455	12	8595	-71301.14133	799657.3170250766	39.07077890368874	-111.050496	322613.12618916467	426632.121175913	3136.609762244373	3061.5622253645105	2996.479145971448	53.6867293718496	66.917984721085
456	12	8596	-70641.14133	799657.3170250766	39.0707837285336	-111.0481721	322814.1906642538	426628.122469594	3135.63680155479	3059.796051098805	2996.659566728355	53.69419067592053	65.60544330399971
457	12	8597	-69981.14133	799657.3170250766	39.07078841688462	-111.0458919	323024.1906642538	426624.123695913	3134.691390678045	3058.939180678045	2996.63067687073	53.69811859804374	64.9654867358067
458	12	8598	-69321.14133	799657.3170250766	39.0707934882396	-111.043524	323216.3191339576	426620.125500743	3133.67907377114	3058.2775935773114	2996.4253264505131	53.672841140571824	65.012407819179
459	12	8599	-68661.14133	799657.3170250766	39.070797940768266	-111.0412005	323431.383208311	426616.127337351	3132.0651273203106	3054.526839892296	2991.983303944847	53.6892240508451	62.543937890774
460	12	8600	-68001.14133	799657.3170250766	39.07080259	-111.0388767	323618.440100757	426612.12929072	3131.786312118943	3052.787964219126	2990.65819358845	53.6219377030675	64.6124103085923
461	12	8601	-67341.14133	799657.3170250766	39.07080718997446	-111.0365528	323819.5106384224	426608.131	3130.47249680576	3051.05862529197	2989.6249401820587	53.62893851577	64.43368511713834
462	12	8602	-66681.14133	799657.3170250766	39.0708117724865	-111.034229	324020.5749053365	426604.133992249	3129.226819682087	3049.338393571624	2988.3803811569023	53.62893851577	64.43368511713834
463	12	8603	-66021.14133	799657.3170250766	39.0708162598665	-111.031951	324221.6373788015	426600.136140625	3127.913282651814	3047.62999332895	2987.143387281969	53.61735847848124	64.43368511713834
464	12	8604	-65361.14133	799657.3170250766	39.0708217220425	-111.029813	324422.7049353593	426596.1381735838	3126.691391895615	3045.923788961796	2986.884377617518	53.61735847848124	64.43368511713834
465	12	8605	-64701.14133	799657.3170250766	39.07082651488365	-111.027574	324623.76342984504	426592.141532043	3125.408814098555	3044.250201	2984.5810928744615	53.61735847848124	64.43368511713834
466	12	8606	-64041.14133	799657.3170250766	39.07083295275407	-111.0254336	324824.862197533	426588.144475168	3124.773631249307	3042.58125970378	2983.218433142589	53.61735847848124	64.43368511713834
467	12	8607	-63381.14133	799657.3170250766	39.07083860446555	-111.022697	325025.8897360724	426584.15735229	3123.611898612934	3040.927747005094	2981.78555679647	53.61735847848124	64.43368511713834
468	12	8608	-62721.14133	799657.3170250766	39.07083814842403	-111.0202859	325226.9511216279	426580.15056212	3122.558095172337	3039.288199830383	2980.284352168044	53.61735847848124	64.43368511713834
469	12	8609	-62061.14133	799657.3170250766	39.070843291516564	-111.017962	325428.0317471243	426576.15249117	3121.92732922534	3037.661481934793	2978.871040218837	53.61735847848124	64.43368511713834
470	12	8610	-61401.14133	799657.3170250766	39.07084658914084	-111.015832	325629.075	426572.15789929	3121.4360332334	3036.46778850987	2977.194834506652	53.61735847848124	64.43368511713834
471	12	8611	-60741.14133	799657.3170250766	39.07085142941616	-111.0136914	325830.1731926296	426568.1615834734	3120.94822002463	3035.449478259867	2976.449478259867	53.61735847848124	64.43368511713834
472	12	8612	-60081.14133	799657.3170250766	39.07085455148416	-111.011904	326031.190268867	426564.15955722	3120.94822002463	3035.449478259867	2976.449478259867	53.61735847848124	64.43368511713834
473	12	8613	-59421.14133	799657.3170250766	39.07085891503668	-111.0098666	326232.2677575744	426560.16964716	3120.94822002463	3035.449478259867	2976.449478259867	53.61735847848124	64.43368511713834
474	12	8614	-58761.14133	799657.3170250766	39.070862933704184	-111.0063427	326433.3221780414	426556.173967117	3120.94822002463	3035.449478259867	2976.449478259867	53.61735847848124	64.43368511713834
475	12	8615	-58101.14133	799657.3170250766	39.07086697048966	-111.0040189	326634.3840854505	426552.1783435	3119.581648625028	3034.12289781362	2986.502087342589	53.61735847848124	64.43368511713834
476	12	8616	-57441.14133	799657.3170250766	39.07087083634066	-111.001695	326835.4445	426548.172897455	3118.51653439328	3026.577970369644	2985.57751998293	53.61735847848124	64.43368511713834
477	12	8617	-56781.14133	799657.3170250766	39.07087472039646	-111.0098973	327036.505604268	426544.187					

ix	iy	x	Y.f	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVEthKgr.f	BRIEVEthKgr.f	SatThKgr.f	SatThBoth.f
556	18	8695	-5301.141327	799657.3170250766	36.070103938208669	-00.8181098	342718.7494100513	432623.066	2983.889956547304	2909.9562240920527	2902.1482620715497	797.198635476024	7.575832830556
556	18	8696	-4641.141327	799657.3170250766	36.070103972016407	-00.8185789	342919.7955006084	432629.283763173	2978.6552374372063	2908.3900610340882	2899.557048349096	8.53015199901638	8.70041270167477
557	18	8697	-5981.141327	799657.3170250766	36.070104082919845	-00.8184662	343120.848538361	432625.101881874	2981.6411518116823	2907.534418132088	2897.58028915881	8.311289004	8.195856814
558	18	8698	-4321.141327	799657.3170250766	36.07010406163946	-00.8111382	343321.89337284764	432611.119764359	2971.16779920215	2905.286878862144	2895.6483133132	8.94639729	9.64056171009267
558	18	8699	-2661.141327	799657.3170250766	36.070104046058584	-00.8088143	343522.94105454243	432621.137801215	2968.9440645452124	2903.704684727217	2893.6204905997365	8.739654135334	10.00171935888287
560	12	8700	-2001.141327	799657.3170250766	36.07010405622329	-00.8064904	343723.088536273	432613.136	2968.742204605981	2902.1954142705913	2891.768044	8.42736991323136	10.370541054402028
561	12	8701	-1341.141327	799657.3170250766	36.070104077372884	-00.8041666	343925.039660363	432620.199	2968.537428033748	2899.967286032937	2889.9504361369551	10.12638612680416	10.00171935888287
562	12	8702	-681.1413269	799657.3170250766	36.070104086039406	-00.8018427	344126.0818476276	432626.194	2968.373223034038	2899.04188259247	2888.2114719289168	10.88273022330543	10.9263841454399
563	12	8703	-31.1413269	799657.3170250766	36.07010409118497	-00.7996188	344327.1302572598	432629.215460121	2968.733803383653	2897.534541185378	2886.2213613612804	11.869641156929731	11.5328387167382
564	12	8704	638.85867303514	799657.3170250766	36.07010409118497	-00.797195	344528.177719442	432619.271707818	2968.654184836353	2895.966924242223	2884.954259182776	11.2677345245597	11.6065374014577
565	12	8705	1298.85867303514	799657.3170250766	36.07010409118497	-00.7948711	344729.22384703065	432613.25035641	2968.832989	2894.3905443226117	2882.645823188528	11.7427421133083658	11.99329231692678
566	12	8706	1958.85867303514	799657.3170250766	36.07010406324908	-00.7925472	344930.270654748	432619.287033576	2968.117934441853	2892.804476817697	2886.596766049746	12.28490211795118	12.4892630473171
567	12	8707	2618.85867303514	799657.3170250766	36.070104047658005	-00.7902234	345131.3170312762	432615.289985318	2968.265146264384	2891.208213283869	2878.3587161258183	12.6249715805078	13.08827607113459
568	12	8708	3278.85867303514	799657.3170250766	36.070104027604176	-00.7878995	345332.3634628357	432618.31	2966.45724524448	2889.61024863143	2875.976206440805	13.76251860457337	13.84367481792204
569	12	8709	3938.85867303514	799657.3170250766	36.07010400361005	-00.7859576	345533.4095116104	432617.229507489	2966.427948745548	2887.36391704918	2873.737629329473	13.772529320025	14.0658689999502
570	12	8710	4598.85867303514	799657.3170250766	36.070103974025996	-00.7835218	345734.4552522238	432617.349559899	2962.598500446147	2886.353095105775	2870.626892	15.7240126549233	15.96620574091936
571	12	8711	5258.85867303514	799657.3170250766	36.070103940550981	-00.7809279	345935.5013896718	432619.683779892	2961.0554189775056	2884.712837556571	2867.474363338045	17.06847421852587	17.4339398968824
572	12	8712	5918.85867303514	799657.3170250766	36.070103902500281	-00.778604	346136.164571	432616.39156329	2959.895258	2883.05940953618	2864.6305377521807	18.456282301437145	18.10349747932366
573	12	8713	6578.85867303514	799657.3170250766	36.070103860029674	-00.7762802	346337.592667906	432616.1410966828	2881.3947036470354	2861.4517951606663	2861.1214386766064	19.424290846369106	19.2726377097709
574	12	8714	7238.85867303514	799657.3170250766	36.070103813011718	-00.7739563	346538.6308108075	432615.431074091	2879.717249	2858.2884915903505	2857.8895015977004	21.1828705177155944	21.0627717155944
575	12	8715	7898.85867303514	799657.3170250766	36.070103781542734	-00.7716324	346739.6833	432615.45281663	2953.30368737827	2878.02733539395	2865.34196628136	22.7039653432078	23.11037680137397
576	12	8716	8558.85867303514	799657.3170250766	36.07010376557914	-00.7693086	346940.724650142	4326149.473	2951.39377624965	2876.33487973917	2862.432018551957	2852.134321011526	23.7037508560134
577	12	8717	9218.85867303514	799657.3170250766	36.07010374951263604	-00.7669842	347143.7746458219	4326149.473	2948.6584298639304	2874.6584298639304	2862.432018551957	2852.134321011526	24.582369137248
578	12	8718	9878.85867303514	799657.3170250766	36.07010373511796	-00.764608	347342.8142035717	4326145.1583299	2945.204655207423	2872.8821664936117	2846.941071851871	2846.80165448239	25.019046474062
579	12	8719	10538.85867303514	799657.3170250766	36.070103705105984	-00.762337	347543.8629118934	4326145.1583299	2941.140977336564	2844.2162035925767	2844.03041458332	26.92477394107757	27.1105437315046
580	12	8720	11198.85867303514	799657.3170250766	36.07010368427846	-00.7600131	347744.907431267	432613.55910347	2935.712033714058	2869.35465355691	2841.4859267946927	28.45108926115	28.93357402479293
581	12	8721	11858.85867303514	799657.3170250766	36.07010366437188	-00.7578962	347945.95180311165	432613.55910347	2938.716000829952	2838.79206984177	2838.79206984177	28.96759819375	28.96759819375
582	12	8722	12518.85867303514	799657.3170250766	36.07010375453059	-00.755364	348146.9960264565	4326125.62891423	2925.187481383745	2833.6322341473	2833.6322341473	30.0051315526861	30.0051315526861
583	12	8723	13158.85867303514	799657.3170250766	36.07010371816036	-00.7530493	348349.0407186787	4326125.62891423	2924.83261239955	2832.73726919152	2832.73726919152	31.25310861951728	31.25310861951728
584	12	8724	13838.85867303514	799657.3170250766	36.07010369119177	-00.7507176	348549.0407186787	4326125.62891423	2923.744611696	2832.73726919152	2832.73726919152	32.1740520997895	32.1740520997895
585	12	8725	14498.85867303514	799657.3170250766	36.07010369992492	-00.7483398	348750.1278097942	4326131.637	2921.190800393541	2830.42095429744	2827.1067481264295	32.857542310059	33.4452095436548
586	12	8726	15158.85867303514	799657.3170250766	36.07010369081197	-00.7460699	348951.1714	432610.69270316	2915.044597735101	2858.6115065317914	2825.51963516354	33.02330204753746	33.09162415437446
587	12	8727	15818.85867303514	799657.3170250766	36.07010367344396	-00.743746	349152.2148254216	4326105.7554389	2912.8234115723862	2856.835493229614	2825.186552437816	31.6538799523579	31.6538799523579
588	12	8728	16478.85867303514	799657.3170250766	36.070102683919005	-00.7414222	349353.258673893	4326105.7554389	2910.52741245202	2855.15213525117	2825.073402233073	32.857542310059	33.4452095436548
589	12	8729	17138.85867303514	799657.3170250766	36.07010266561503	-00.7390938	349554.301599303	4326097.61713792	2908.2321071279017	2853.632556487094	2824.501972247496	32.93063062439596	32.93063062439596
590	12	8730	17798.85867303514	799657.3170250766	36.0701026497910845	-00.7367844	349755.344813893	4326097.61713792	2906.94491133023	2852.3319535146	2823.0464927714157	32.857542310059	33.4452095436548
591	12	8731	18458.85867303514	799657.3170250766	36.0701026327511796	-00.7344968	349956.3875048705	4326089.769	2905.128277299148	2851.2468481687492	2822.984827439375	32.857542310059	33.4452095436548
592	12	8732	19118.85867303514	799657.3170250766	36.0701026197323285	-00.7321267	350157.4032582787	4326085.83201567	2905.81147697346	2849.95795264722	2821.9664237247278	32.857542310059	33.4452095436548
593	12	8733	19778.85867303514	799657.3170250766	36.070102602746326	-00.7298028	350358.4729	4326081.85602584	2904.49097427304	2848.961450624579	2820.73391116766	32.857542310059	33.4452095436548
594	12	8734	20438.85867303514	799657.3170250766	36.0701019307079925	-00.727479	350559.515327691	4326077.88001281	2902.77100971972	2847.35440343555	2819.2653751474118	32.857542310059	33.4452095436548
595	12	8735	21098.85867303514	799657.3170250766	36.070101789462726	-00.7251551	350760.5576410563	4326073.90160434	2900.053093999994	2846.034552552764	2817.6809989243462	32.857542310059	33.4452095436548
596	12	8736	21758.85867303514	799657.3170250766	36.070101643729116	-00.7228312	350961.598152636	4326069.52849767	2902.11406107516	2844.691143497385	2816.02118903635	32.857542310059	33.4452095436548
597	12	8737	22418.85867303514	799657.3170250766	36.0701016273242	-00.720444	351162.8413851	4326069.52849767	2900.94491133023	2843.34648180465	2814.391280197154	32.857542310059	33.4452095436548
598	12	8738	23078.85867303514	799657.3170250766	36.070101338796341	-00.7181133	351363.187326285	4326061.97701857	2901.218151235554	2841.97303100463	2813.02811350653	32.857542310059	33.4452095436548
599	12	8739	23738.85867303514	799657.3170250766	36.07010118	-00.7158696	351564.725492428	4326058.04207806	2900.34698278136	2840.57067503304	2812.25063176346	32.857542310059	33.4452095436548
600	12	8740	24398.85867303514	799657.3170250766	36.07010159094296	-00.7135358	351765.7670514186	4326054.027	2901.49471979562	2839.16072713467	2812.411069	32.857542310059	33.4452095436548
601	12	8741	25058.85867303514	799657.3170250766	36.070100847733176	-00.7112119	351966.808499301	4326050.052181	2902.621369	2837.72473618932	2813.49823688532	32.857542310059	33.4452095436548
602	12	8742	25718.85867303514	799657.3170250766	36.07010075063395	-00.708888	352167.8490370254	4326046.07781168	2902.788561834933	2836.268027216604	2814.287143222901	32.857542310059	33.4452095436

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SR SathtLogKrg.ft	SR SathtLogKrg.ft
681	82	7895.85867307335	799657.3170250766	39.07072850837094	-105.2520332	368049.67530366796	43257.3293	2811.3429008064477	2735.65744504572	2697.097159034161	2698.43969321035	38.5602687311145	37.21748217653703
682	822	7895.85867307335	799657.3170250766	39.07072319091684	-105.2259794	368250.70574694156	43257.78104231	2808.0997884052044	2734.44808	2695.6091987623047	2696.968155282114	38.788881712695456	37.47892521098825
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685	825	8049.85867307335	799657.3170250766	39.0707069624568	-105.160078	368853.7963126575	43257.714724575	2805.057454318093	2730.8205452667903	2691.3119651921843	2692.2836811210967	39.50858074606016	38.53684714569363
686	826	8115.85867307335	799657.3170250766	39.07071472252684	-105.13684	369054.82624712015	43257.17867240801	2804.889154316109	2729.60852370933	2689.732717878984	2690.68251994767	39.8352518294305	38.92027197160808
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688	828	8474.85867307335	799657.3170250766	39.0706903431227	-105.090363	369456.88573651016	43257.70486315688	2801.280273703737	2727.1785014962643	2686.5473862783934	2687.337961492677	40.611621787084	39.84004349119155
689	829	8518.85867307335	799657.3170250766	39.0706871196486	-105.067126	369657.8158	43257.5004321685	2798.951214	2726.304698326436	2685.580267856306	2686.82794283877	40.8601527373304	39.9801527373304
690	830	8578.85867307335	799657.3170250766	39.0705790543301	-105.043486	369858.94472706033	43257.696345	2798.07051988468	2725.704069961299	2683.702435074166	2683.70704228837	41.6192543582525	40.959947583838
691	831	8475.85867307335	799657.3170250766	39.07067331401635	-105.020648	370059.9740420134	43256.9284	2797.625860716533	2723.5172349835925	2681.000387035865	2681.7662802041	42.06528000599	41.8400595557867
692	832	8511.85867307335	799657.3170250766	39.0706574771503	-104.997409	370261.0302016113	43256.804259272	2797.080690595675	2722.2917059497417	2679.2786193151082	2679.45413265636	43.033573436534	42.5075237217811
693	833	8577.85867307335	799657.3170250766	39.0706173652905	-104.974171	370462.03225376655	43256.06452765	2796.580051217865	2721.064276128932	2677.443136108107	2677.850631251237	43.0126307026728	43.213637003670556
694	834	8643.85867307335	799657.3170250766	39.070658580458446	-104.950392	370663.06118068105	43256.8114089092	2796.936324715965	2719.83418164026	2675.578078676256	2675.72375204215	44.25531047436534	43.95353496847116
695	835	8709.85867307335	799657.3170250766	39.0706495950315	-104.927694	370864.9	43256.7714535347	2796.6702389517995	2718.610474134677	2674.6397102685383	2674.7315296343277	44.3604366613879	44.68614419974838
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698	838	8907.85867307335	799657.3170250766	39.07063207239635	-104.857579	371467.17564002157	43256.576181458	2802.38139331778	2714.882394941306	2668.681329183295	2668.07483732266	46.105147580112	46.81374769004402
699	839	8978.85867307335	799657.3170250766	39.07062592683592	-104.83474	371683.2068437989	43256.5130860832	2803.362555701056	2713.645224252473	2666.816503360645	2666.06850918766	46.8287208564808	47.5767150667031
700	840	9038.85867307335	799657.3170250766	39.0706198457624	-104.811502	371869.2321235608	43256.45027063	2805.252282	2712.394685550147	2664.653262528713	2664.5058518813067	47.8262208574165	48.8936041691407
701	841	9105.85867307335	799657.3170250766	39.07061383119476	-104.788263	372070.2601795125	43256.3917422335	2803.74217339684	2711.105897468126	2662.8520967892034	2661.526697920204	48.29880069822055	49.62468840353905
702	842	9171.85867307335	799657.3170250766	39.0706174604734	-104.7692523	372217.2281118583	43256.439373359	2803.931935195983	2709.894292037336	2661.7746044899	2661.21093774078	48.1420651547462	48.6884912764784
703	843	9238.85867307335	799657.3170250766	39.0706156911814	-104.749369	372472.1258800125	43256.43333695	2802.41251964415	2709.819234550552	2661.197261459587	2660.9851819015	48.1102214305987	48.85534362215913
704	844	9308.85867307335	799657.3170250766	39.0705845109888	-104.718548	372673.343065464	43256.4511736307	2800.070263433867	2707.3847272556	2658.262046938237	2657.2067887408784	49.12539578317344	50.18065398477554
705	845	9366.85867307335	799657.3170250766	39.0705880129786	-104.69531	372874.3711692755	43256.5359	2802.32843031387	2706.127535078806	2656.357047950056	2655.13137	49.3979733192478	50.9953879824705
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710	850	9698.85867307335	799657.3170250766	39.07054719	-104.571718	373879.4871452945	43256.773223219	2798.7318367162704	2700.791488162704	2645.112402	2644.94673234338	54.819471334338	57.8224544015249
711	851	9768.85867307335	799657.3170250766	39.070544946	-104.55588	374080.533743712	43256.815423701	2785.33590562312	2698.485561555768	2638.897651128047	2637.600151203057	55.5879515026387	59.5879515026387
712	852	9831.85867307335	799657.3170250766	39.07054279592506	-104.532641	374281.5607	43256.8186887624	2784.700412128466	2690.2048204794	2637.546851891453	2635.62713862714896	61.57306238714896	61.57306238714896
713	853	9897.85867307335	799657.3170250766	39.0705360740828	-104.509403	374482.5873	43256.80502114379	2778.452326331317	2690.914665525417	2633.854792623034	2632.051477549784	62.699872935077	63.8631879757317
714	854	9963.85867307335	799657.3170250766	39.07052933	-104.486165	374683.6173303225	43256.945703957	2775.011311381635	2694.62813113789045	2629.7587494903596	2628.115011844786	64.8898188854492	65.511393451584
715	855	10026.85867307335	799657.3170250766	39.0705225445935	-104.465296	374884.64007077804	43256.9587	2771.203510915622	2693.34087193621	2624.707268989114	2623.240819828008	66.83360299	70.29688378
716	856	10095.85867307335	799657.3170250766	39.0705156911814	-104.443691	375088.968062399	43256.94333695	2767.01251964415	2692.052626157858	2621.871923459587	2621.197261459587	71.0102214305987	72.85534362215913
717	857	10169.85867307335	799657.3170250766	39.070508503576	-104.416448	375286.69250305626	43256.9707447577	2762.859013115627	2690.794879796561	2621.09091173739704	2621.19892784233	76.6728997	77.8428667888904
718	858	10228.85867307335	799657.3170250766	39.07051869350204	-104.393211	375487.719485499	43256.9812	2768.6764062842	2689.47166569926	2607.6973534567024	2606.690052	77.712724235372	82.7816323
719	859	10293.85867307335	799657.3170250766	39.0704884121194	-104.369973	375688.744437488	43256.1266091922	2765.7548976597845	2688.179050371416	2600.515306924766	2599.57137252414	87.674371123754	88.6077028
720	860	10358.85867307335	799657.3170250766	39.07047888144525	-104.346734	375889.770090973	43255.781056823	2754.063413804455	2686.84997086292	2592.538629100728	2591.489425808062	94.3463741852244	95.3955720543004
721	861	10425.85867307335	799657.3170250766	39.07047060192778	-104.323496	376090.7957127184	43255.79129994943	2752.37192994941	2685.58854281978	2592.538629100728	2591.489425808062	101.3658518370719	102.79684634549
722	862	10498.85867307335	799657.3170250766	39.070473687356724	-104.300258	376291.8212158163	43255.703027918	2750.946044937442	2684.289594737567	2590.5454619873	2589.77487655706	104.74413885435278	106.4608051764954
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724	864	10623.85867307335	799657.3170250766	39.070459327016	-104.255781	376693.87186426367	43255.5603510088	2743.949754009247	2681.683774403907	2587.024650253074	2586.7768607606	127.176914020277	130.9060879624612
725	865	10688.85867307335	799657.3170250766	39.07045207954286	-104.230543	376894.890100192	43255.45381131	2740.026455498437	2680.3691622267697	2616.7214454343907	2616.468592344184	137.67479327868	139.032283485605
726	866	10758.85867307335	799657.3170250766	39.0704447716971	-104.207305	377095.9220370152	43255.4881	2730.13154					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBothKrg.ft
67	13	8947	-327381.1413	800317.3170250766	39.06731535947636	-101.9521278	244589.058232948	42382397.417611422	384.091602602764	3790.095458986132	3750.185674058028	3753.985212805465	3873.780928104225
68	13	8948	-326721.1413	800317.3170250766	39.067353704035234	-101.9498042	244.790.20565937	42383354.35046683	381.561900521865	3788.151428108043	3749.978663666323	3745.93708918916	40.1636617427728
69	13	8949	-326061.1413	800317.3170250766	39.06737597642575	-101.9474966	246.98135624162	42383354.35046683	382.03174469501413	3786.22047484586	3745.32947388628	3747.222170488952	40.8803798777012
70	13	8950	-325401.1413	800317.3170250766	39.06739812778184	-101.9455102	247.894.097126107	42383354.35046683	382.505202361062	3784.9924869861	3743.447489826836	3745.550748962836	40.818604986773
71	13	8951	-324741.1413	800317.3170250766	39.067420234140805	-101.9428335	245.393.6456	4238331.164401646	382.4444639302436	3782.291397795588	3741.064976080947	3742.995822722046	41.22642714169347
72	13	8952	-324081.1413	800317.3170250766	39.06744229562344	-101.9405099	245.994.791673569	42383354.35046683	384.3580451732423	3780.2953904289775	3738.68165	3740.3021695777	41.61733855325746
73	13	8953	-323421.1413	800317.3170250766	39.06746431222975	-101.9381863	245.795.9334830142	42383354.35046683	384.217642608421	3778.278696250306	3736.217093539588	3737.7490917464165	40.26151608544087
74	13	8954	-322761.1413	800317.3170250766	39.06748626397058	-101.9358627	245.997.0833	42383354.35046683	384.76852074642046	3776.241375641307	3734.540165	3734.951291370554	41.2701059891064
75	13	8955	-322101.1413	800317.3170250766	39.06750671082467	-101.9335891	246.196.228389216	42383354.35046683	384.5947447487675	3774.1938570105725	3729.432589778864	3742.222170488952	40.8803798777012
76	13	8956	-321441.1413	800317.3170250766	39.06753009201111	-101.9312156	246.399.575792627	42383354.35046683	383.94035783289454	3772.10716732707	3728.90698426909	3725.7251105125423	42.000319687976
77	13	8957	-320781.1413	800317.3170250766	39.06755189901626	-101.928882	246.690.518621984	42383354.35046683	382.4306931707594	3772.8711590256374	3725.87123293232	3741.33935308444	44.7875614524195
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79	13	8959	-319461.1413	800317.3170250766	39.06759547	-101.9242448	247.002.8076008507	42383354.35046683	380.846576106986	3765.4360560433791	3718.8619171384806	3716.80723932425	46.9026382465264
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82	13	8962	-317481.1413	800317.3170250766	39.0676604225524	-101.917774	247.606.2391887815	42383354.35046683	380.813328208673	3759.27154528617	3708.97403271566	3708.743619179723	50.3001211570513
83	13	8963	-316821.1413	800317.3170250766	39.0676820100958	-101.9154504	247.807.3825503436	42383354.35046683	380.776838001292324	3757.809198248517	3705.532013075913	3705.24864	51.5480685466434
84	13	8964	-316161.1413	800317.3170250766	39.0677035305973	-101.9126268	248.008.5256620632	42383354.35046683	380.4600070246174	3754.8729166705602	3702.21218768179	3701.857427043076	52.5014596274816
85	13	8965	-315501.1413	800317.3170250766	39.06772501146756	-101.9103032	248.209.668521928	42383354.35046683	379.50634396994	3750.056560846298	3699.05943	3698.612235	53.5301380888816
86	13	8966	-314841.1413	800317.3170250766	39.067746443456914	-101.9079796	248.410.81137973	42383354.35046683	378.7162715884374	3752.0142876413193	3696.093893027836	3695.532941348313	54.88085877358026
87	13	8967	-314181.1413	800317.3170250766	39.06776783269015	-101.905656	248.611.9030138625	42383354.35046683	378.263177125957	3748.164854775555	3693.194444807363	3692.7545216697836	55.4099324717918
88	13	8968	-313521.1413	800317.3170250766	39.06778917614655	-101.903324	248.813.0956154884	42383354.35046683	378.41973627774013	3746.89537774013	3690.5305496277	3693.965197716257	56.368317137623
89	13	8969	-312861.1413	800317.3170250766	39.0678104742575	-101.901081	251.629.0528970233	42383354.35046683	378.41973627774013	3746.89537774013	3690.5305496277	3693.965197716257	56.368317137623
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93	13	8973	-310221.1413	800317.3170250766	39.06789520272284	-101.8917144	249.818.065495487	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
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96	13	8976	-308241.1413	800317.3170250766	39.0679583021117	-101.884872	250.425.225851017	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
97	13	8977	-307581.1413	800317.3170250766	39.06797924778378	-101.882419	250.623.3664672463	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
98	13	8978	-306921.1413	800317.3170250766	39.0680010426837	-101.8800963	250.824.503100483	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
99	13	8979	-306261.1413	800317.3170250766	39.06802099227561	-101.8777727	251.025.6424353144	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
100	13	8980	-305601.1413	800317.3170250766	39.06804179720541	-101.875491	251.226.781620555	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
101	13	8981	-304941.1413	800317.3170250766	39.0680625725774	-101.8731254	251.427.9205202374	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
102	13	8982	-304281.1413	800317.3170250766	39.06808327425257	-101.870819	251.629.0528970233	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
103	13	8983	-303621.1413	800317.3170250766	39.068103942729856	-101.8684782	251.830.197174291	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
104	13	8984	-302961.1413	800317.3170250766	39.068124568149564	-101.8661546	252.031.3357271933	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
105	13	8985	-302301.1413	800317.3170250766	39.06814514869156	-101.863831	252.232.4736734583	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
106	13	8986	-301641.1413	800317.3170250766	39.068165684352608	-101.8615073	252.433.61130201406	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
107	13	8987	-300981.1413	800317.3170250766	39.0681861542508	-101.8591837	252.634.7487214265	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
108	13	8988	-300321.1413	800317.3170250766	39.06820621051814	-101.856801	252.835.8859578893	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
109	13	8989	-299661.1413	800317.3170250766	39.068226948683392	-101.8544966	253.036.948683444	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
110	13	8990	-299001.1413	800317.3170250766	39.06824737823648	-101.852128	253.238.234664879	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
111	13	8991	-298341.1413	800317.3170250766	39.0682678981202	-101.8498892	253.439.29595062629	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
112	13	8992	-297681.1413	800317.3170250766	39.068287696	-101.8475655	253.640.4321	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
113	13	8993	-297021.1413	800317.3170250766	39.06830817472258	-101.8452419	253.846.588990257	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
114	13	8994	-296361.1413	800317.3170250766	39.06832835407149	-101.8429183	254.042.7030738992	42383354.35046683	378.291857755514	3741.3740177556	3685.158355617457	3684.317772563417	56.1545001400191
115	13	8995	-295701.1413	800317.3170250766	39.06834946883392	-101.84							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
193	ix 9073	-244221.1413		800317.3170250766	39.0687049133352	-01.65693471	269691.671960714	4327886.731062731	3449.6669194529964	3449.6669194992964	3400.8855794528026	3394.5092596575292	48.78134040193754	55.16396573770453
194	ix 9074	-243561.1413		800317.3170250766	39.06897078	-01.65703234	270132.78682571133	4327762.686831088	3443.975250030214	3443.975250030214	3396.0473714376626	3396.0473714376626	45.91188062	52.33039533671965
195	ix 9075	-242901.1413		800317.3170250766	39.0688139193111	-01.65646892	270333.9546541262	4327654.9686641	3440.3248515392293	3440.3248515392293	3396.086270191857	3396.721690212935	51.66015533793573	55.22662583005566
196	ix 9076	-242421.1413		800317.3170250766	39.0690311555872	-01.65623759	270535.6016771369	432784.04269387	3438.707170297213	3438.707170297213	3392.13555571076	3385.9988640868427	45.5618235864517	52.70485303087862
197	ix 9077	-241581.1413		800317.3170250766	39.06884657	-01.65605222	270736.138062011	4327780.56233917	3437.082584320212	3437.082584320212	3388.897792525282	3382.881733670257	48.1847917849288	54.2010109584621
198	ix 9078	-240921.1413		800317.3170250766	39.0686297397144	-01.6477284	270937.2540202474	432783.8995756426	3433.889957616015	3433.889957616015	3385.484063619363	337.8793162847564	49.048399665214	54.25079476848125
199	ix 9079	-240261.1413		800317.3170250766	39.06887935856056	-01.6454047	271138.3897520582	4327862.47898077	3437.525297810555	3437.525297810555	3381.62802486621224	337.376249225014934	49.35987213909575	54.37850210629016
200	ix 9080	-239601.1413		800317.3170250766	39.0689552860044	-01.643081	271339.4852576004	43277658.48	3443.267158408724	3443.267158408724	337.9142967897235	3372.689589178909	49.0726531700071	54.67218510791463
201	ix 9081	-238941.1413		800317.3170250766	39.0691192483865	-01.6400757	271540.606327489	4327654.36629977	3448.011534888781	3448.011534888781	3374.3553201143453	3367.3553201143453	51.0218017589226	56.7348197250976
202	ix 9082	-238281.1413		800317.3170250766	39.069028152234155	-01.6384359	271741.715910523	4327590.35194495	3454.755543281929	3454.755543281929	3420.8126551810794	3372.0059232128336	48.806739692452	52.22059880579329
203	ix 9083	-237621.1413		800317.3170250766	39.0699434359536	-01.6361098	271942.8305191847	4327846.3126273895	3451.593846716242	3451.593846716242	3367.205527	3364.110548960602	50.30277009375323	53.41974929
204	ix 9084	-236961.1413		800317.3170250766	39.06969047207552	-01.633786	272143.9451196584	4327842.27350141	3439.525571197324	3439.525571197324	3364.21423297789027	3362.113457	3359.357474141917	52.12984090040575
205	ix 9085	-236301.1413		800317.3170250766	39.0697655614626	-01.6314623	272345.0594955445	4327838.232915735	3427.459136672844	3427.459136672844	3365.574808141533	3364.112967388847	54.37628992	56.8380334063224
206	ix 9086	-235641.1413		800317.3170250766	39.0699921239266	-01.6291385	272546.1736521387	4327834.19248885	3415.91816142717	3415.91816142717	3407.655830243377	3391.3337978389504	54.59597040459747	56.3220324
207	ix 9087	-234981.1413		800317.3170250766	39.0700081522953	-01.62698148	272747.2875796985	4327830.15223044	3408.07569594459	3408.07569594459	3348.398586225446	3344.058704740005	57.3622014	59.8473086123439
208	ix 9088	-234321.1413		800317.3170250766	39.070024571318265	-01.624841	272948.102320584	4327826.12138743	3408.510430211847	3408.510430211847	3342.1086945869545	3340.516837661965	58.94251203	60.5342128462038
209	ix 9089	-233661.1413		800317.3170250766	39.0700404862598	-01.6221763	273148.1547026753	4327822.07214343	3407.945286766093	3407.945286766093	3338.9927317090387	3337.710815726771	58.75000609056860	60.03192250139634
210	ix 9090	-233001.1413		800317.3170250766	39.07005354455165	-01.6198435	273350.6280167593	4327810.03245704	3407.380167320345	3407.380167320345	3334.4925619433695	3337.23687533364	3336.05147172979146	57.19238659
211	ix 9091	-232341.1413		800317.3170250766	39.07007217776524	-01.6175198	273551.741	4327813.99268609	3408.01341354597	3408.01341354597	3331.110365263003	3336.544579606414	54.56190730666141	55.87501377933805
212	ix 9092	-231681.1413		800317.3170250766	39.0700785619606	-01.615196	273752.8538545214	4327809.95343664	3408.846028680049	3408.846028680049	3387.786172863564	3336.290386376167	51.49574148274215	52.7964686336652
213	ix 9093	-231021.1413		800317.3170250766	39.0701038974557	-01.6128723	273953.964376811	4327805.914817588	3411.678303830105	3411.678303830105	3384.456872892724	3338.0401376182294	3384.0698942598	48.4163496474294
214	ix 9094	-230361.1413		800317.3170250766	39.070157841376	-01.6105485	274155.0787978157	4327801.87509658	3415.01579897534	3415.01579897534	3381.126159140323	3335.58379805947	334.3363517387425	45.755168090538
215	ix 9095	-229701.1413		800317.3170250766	39.07020427126175	-01.608249	274360.6280167593	4327784.63817822	3417.313991444393	3417.313991444393	3378.781762369815	3337.781762369815	3337.781762369815	46.67446615527
216	ix 9096	-229041.1413		800317.3170250766	39.0701502110599	-01.605901	274557.302848007	4327793.79421716	3398.265154070888	3398.265154070888	3374.437150510776	3334.054773579648	3333.154171589576	40.38237681126065
217	ix 9097	-228381.1413		800317.3170250766	39.07016618	-01.6035773	274758.145400313	4327789.78838535	3388.192412575484	3388.192412575484	3371.0880193811754	3332.644822798147	3331.9463931376965	39.14196609798864
218	ix 9098	-227721.1413		800317.3170250766	39.0701864727555	-01.6012535	274959.5260087307	4327785.720130255	3379.098697438997	3379.098697438997	3367.734625707011	3330.4287120067534	3329.0294019431877	37.30591370034746
219	ix 9099	-227061.1413		800317.3170250766	39.070197148533616	-01.5989298	275160.6751251005	4327781.682122933	3371.781096857474	3371.781096857474	3364.73073451309	3328.39168133228	3328.0994940780505	36.80558742858364
220	ix 9100	-226401.1413		800317.3170250766	39.07021257	-01.596066	275361.1428793487	4327777.640074425	3372.3395259411183	3372.3395259411183	3361.01705481497	3326.1679075733678	3326.3356443319007	34.84979791
221	ix 9101	-225741.1413		800317.3170250766	39.0702278421121	-01.594286	275569.6891	4327773.68815676	3372.6983001164816	3372.6983001164816	3357.65869149951774	3324.453614687064	333.2524153313747	33.2524153313747
222	ix 9102	-225081.1413		800317.3170250766	39.0702472027675	-01.5919545	275763.9466229065	4327769.6589916	3371.65319629273	3371.65319629273	3351.137836204317	3320.91452027756	332.76339645423	31.4908677601728
223	ix 9103	-224421.1413		800317.3170250766	39.07025855676252	-01.5896347	275965.080021394	4327765.33041151	3374.0772429	3374.0772429	3350.92484008753	3320.487018	3321.868086281257	30.4465961482914
224	ix 9104	-223761.1413		800317.3170250766	39.0702737661158	-01.587311	276166.1901591936	4327761.43935386	3374.674626887917	3374.674626887917	3349.48162929436	3320.671379018675	3320.671379018675	26.89047407107694
225	ix 9105	-223101.1413		800317.3170250766	39.07028891587375	-01.5849872	276367.30007589306	4327755.45143597	3382.807043854427	3382.807043854427	3344.1967913235053	3320.355798059734	3321.6243773434433	23.84099317
226	ix 9106	-222441.1413		800317.3170250766	39.07030144	-01.5826335	276568.40977169597	4327753.419	3387.194681919967	3387.194681919967	3340.832672197962	3322.06093370758	3321.0971229793627	18.7723038489757
227	ix 9107	-221781.1413		800317.3170250766	39.0703192468584	-01.5803397	276768.519548077	4327749.382140475	3382.9171622384583	3382.9171622384583	3332.99195655377	3320.40390278018	332.479867172701573	12.331464265724757
228	ix 9108	-221121.1413		800317.3170250766	39.07034343072115	-01.5780159	276970.6280167593	4327743.34530075	3389.901956	3389.901956	3331.139914443393	3321.729625098	3327.42546758179	7.89574461777065
229	ix 9109	-220461.1413		800317.3170250766	39.0703492255663	-01.5756922	277171.73357578	4327741.30806154	3387.060830114545	3387.060830114545	3330.77762074056	3323.942162164256	3329.94924779015	4.246264043148635
230	ix 9110	-219801.1413		800317.3170250766	39.07036429321954	-01.5733684	277372.845004341	4327737.272	3414.1329494	3414.1329494	3327.406664946505	3330.709636200844	3332.3127410246284	0.085533498338726
231	ix 9111	-219141.1413		800317.3170250766	39.07037921890061	-01.5710446	277573.9454404377	4327733.2361391485	3418.694066064562	3418.694066064562	3324.066397017673	3332.893088899534	3334.49155	
232	ix 9112	-218481.1413		800317.3170250766	39.0703840996981	-01.5687209	277775.0631916316	4327725.20006501	3420.745638228037	3420.745638228037	3320.720691790506	3334.601377457129	3336.181737342192	
233	ix 9113	-217821.1413		800317.3170250766	39.07040893561795	-01.5663971	277976.1714742485	4327725.164	3422.797387035517	3422.797387035517	3338.432328440735	3336.73879356547		
234	ix 9114	-217161.1413		800317.3170250766	39.07042372665262	-01.5640733	278177.2794104309	4327721.12890055	3424.848721743887	3424.848721743887	3334.04116209227	3337.439147292443		
235	ix 9115	-216501.1413		800317.3170250766	39.0704403919425	-01.5617486	278378.15202689	4327719.09083087	3399.901956	3399.901956	3331.139914443393	3327.42546758179		
236	ix 9116	-215841.1413		800317.3170250766	39.070453174077684	-01.5594258	278579.4946254797	4327710.97392851	3382.1015501626447	3382.1015501626447	3330.77762074056	3323.942162164256		
237	ix 9117	-215181.1413		800317.3170250766	39.07046783046723	-01.557102	278780.0619043485	4327709.02144312	3446.434589	3446.434589	3304.162148037194	3327.007101191174	3338.2721745305	
238	ix 9118	-214521.1413		800317.3170250766	39.07048244	-01.5547782	278981.708959482	4327704.9870626675	3454.6682733275	3454.6682733275	3330.690626622207	3336.54		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
319	ix	9199	-161061.1413	800317.3170250766	30.075151691855436	-101.3665497	295270.6746667974	4327378.6990122665	3247.6463600004547	3188.910643059481	3208.4989823152964	3198.1472408067507	0	0
320	ix	9200	-160401.1413	800317.3170250766	30.075152785	-101.3642259	295471.76451193826	4327374.678	3263.66612229602	3188.347131801034	3208.3786799692466	3198.9217317091914	0	0
321	ix	9201	-159781.1413	800317.3170250766	30.075153873583646	-101.3614291	295672.658936816	4327370.66435051	3278.6860844527693	3187.7638968310783	3208.1961424827696	3199.1784664894533	0	0
322	ix	9202	-159081.1413	800317.3170250766	30.075149577191966	-101.3595278	295706.633980427	4327376.635045847	3295.7059166138027	3187.220019067263	3207.955877191912	3200.2557232246822	0	0
323	ix	9203	-158421.1413	800317.3170250766	30.0751567363644	-101.3572543	296075.03263841745	4327376.614322899	3308.7125701781747	3186.65551	3207.8562247798804	3200.78313088263	0	0
324	ix	9204	-157761.1413	800317.3170250766	30.07517112519685	-101.3549305	296276.1216769451	4327378.593566206	3321.706024948646	3186.0895616035314	3204.63140183178736	3199.8704604803477	0	0
325	ix	9205	-157101.1413	800317.3170250766	30.075158183187314	-101.3526066	296477.21051892907	4327374.572975752	3333.6994797191173	3185.5226556555555	3204.31353499496	3200.5428852864693	0	0
326	ix	9206	-156441.1413	800317.3170250766	30.07515924365335	-101.3502828	296678.29915277733	4327370.525251335	3345.6929348919593	3184.9536485337287	3203.9685714143334	3200.83980869624	0	0
327	ix	9207	-155781.1413	800317.3170250766	30.075160311057343	-101.3476788	296879.3659849616	4327376.523295253	3359.4824738817408	3184.363695926077	3203.3675141466765	3201.859087676986	0	0
328	ix	9208	-155121.1413	800317.3170250766	30.0751163259737	-101.3456351	297080.478373764	4327374.512017788	3374.0540897895572	3183.81253353179	3202.9898541651194	3203.351693208704	0	0
329	ix	9209	-154561.1413	800317.3170250766	30.0751624097371	-101.3433113	297281.5638710354	4327376.492272635	3355.6573219040343	3183.24139318189	3202.606751391525	3203.826093691223	0	0
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334	ix	9214	-151161.1413	800317.3170250766	30.075167617217783	-101.331692	298287.0011836027	4327378.398139406	3348.603473054499	3180.371414912941	3199.804785	3202.0690347179633	0	0
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344	ix	9224	-144561.1413	800317.3170250766	30.075177673072512	-101.3084535	300297.8607576144	4327278.213331371	3337.7926524310315	3174.535872980269	3200.4967593840724	3217.1922898005	0	0
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368	ix	9248	-128721.1413	800317.3170250766	30.075199976335955	-101.2526807	305152.843629242	4327191.84474266	3311.0222552529					

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatTshLogs.f	SatTshBoth.f
443	9325	-7790.14133	800317.3170250766	39.07254076936996	-01.0737412	320660.47532147577	4326873.30672604	31.61186458689081	378.99485480385962	3012.779388204533	3012.1919956953017	68.7152682760319	66.7954578825948
446	9326	-7742.14133	800317.3170250766	39.0725464494815	-01.0714173	320807.5413932088	4266989.306	31.4855036036287	307.24555320719	3009.421629053441	3009.421629053441	67.7330687776704	68.203490320257375
447	9327	-7581.14133	800317.3170250766	39.07251272564495	-01.0694981	321098.6072888817	4268685.30655252	31.4733369823118	306.8577802021285	3006.533090697243	3006.533090697243	68.6132013211771	68.95295323453536
448	9328	-7592.14133	800317.3170250766	39.07255614467794	-01.0667695	321909.6730092059	4268681.306572341	31.46330211635449	307.3715563342304	3004.592001429736	3004.592001429736	69.12315407952694	69.20342401451396
449	9329	-7526.14133	800317.3170250766	39.07256166034197	-01.0644456	321410.7385543286	4268657.306536146	31.44472853863327	307.1335543732022	3002.465719886877	3002.465719886877	69.46982384	69.708757342528
450	9330	-7460.14133	800317.3170250766	39.07256266048167	-01.0621217	321611.8039243228	4268683.30576221	31.40242495323217	307.1048934577933	3000.62183514961	3000.62183514961	69.7508369378225	69.7606757404499
451	9331	-7394.14133	800317.3170250766	39.07257174955019	-01.0597978	321812.8691194389	4268649.306059554	31.372594959115	306.8570890798031	2999.223945126098	2999.223945126098	69.13489456642952	69.40945529259285
452	9332	-7281.14133	800317.3170250766	39.07257675581272	-01.0574739	322013.9341398813	4268646.30651913	31.4108344749507	306.6519814722486	2998.3802147113247	2998.3802147113247	68.715676092389	68.6095778927263
453	9333	-7261.14133	800317.3170250766	39.07258172644058	-01.05515	322214.8998985354	4268641.307143964	31.3897027453899	306.4678514688093	2998.01877	2998.01877	68.470817269835	67.26525923453536
454	9334	-7196.14133	800317.3170250766	39.07259653377967	-01.0526251	322416.0365575567	4268637.30384042	31.3889014228935	306.7067503704	2997.851851715434	2997.851851715434	67.75777852959	65.744561440548
455	9335	-7103.14133	800317.3170250766	39.072591505284485	-01.0500022	322617.128152505	4268638.30893145	31.38345875446	306.1178063775337	2997.43042040786	2996.5978861192525	63.73907217253105	64.580177341471
456	9336	-7064.14133	800317.3170250766	39.07259632003305	-01.0481783	322818.19247899426	4268629.31	31.31879307185577	305.91143256242	2996.23159376743	2995.031139086514	63.1595849578784	64.3880293459761
457	9337	-6998.14133	800317.3170250766	39.07260111383564	-01.0458543	323019.2566291173	4268625.31	31.2175031568769	305.761723221495	2994.799987177983	2994.799987177983	62.18714434312346	64.5457616929634
458	9338	-6932.14133	800317.3170250766	39.07261056078219	-01.0435304	323220.3206	4268621.31	31.2631261	305.5418011985305	2992.9643476690506	2990.895875814045	62.7167332892494	65.0314734448402
459	9339	-6866.14133	800317.3170250766	39.07261054284505	-01.0412698	323421.3845092176	426861743360589	31.21588620896156	304.50823054911106	2991.181296865138	2989.895875814045	62.89893369272505	65.50041673825308
460	9340	-6801.14133	800317.3170250766	39.07261519	-01.0388826	323622.44813962774	4268613342111489	31.2255277659476	305.230065657736	2989.672211013304	2987.144578111778	62.4579465238957	65.1854785409902
461	9341	-6734.14133	800317.3170250766	39.07261979230794	-01.0365587	323823.5115971962	4268609.318088372	31.215315932294355	304.5904486982992	2988.485058382025	2985.45848512593	62.1054015427415	64.5198397067634
462	9342	-6668.14133	800317.3170250766	39.072624349710296	-01.0342348	324024.5748821383	4268603.2002002	31.21479582937343	304.8612650909736	2987.456682500077	2984.2925946047	61.6548624006596	64.5689696302072
463	9343	-6602.14133	800317.3170250766	39.0726288622659	-01.0319109	324225.637994555	4268601.322476836	31.2434379667543	304.7143271648415	2986.286952	2982.892145262264	60.8743194766011	63.45149590525754
464	9344	-6536.14133	800317.3170250766	39.07263329856814	-01.029587	324426.700349512	4268597.32419804	31.2311996726176	304.4539802134573	2985.048957887193	2981.525647672846	60.894424731416	63.94127461622684
465	9345	-6470.14133	800317.3170250766	39.07263737620097	-01.0272651	324627.767302297	4267963.32759165	31.21892334917658	304.3570196879874	2983.7692851245047	2980.174322373144	59.9814345648271	63.60308745427301
466	9346	-6404.14133	800317.3170250766	39.07264213	-01.0248362	324828.6236955653	42679303296118	31.15801676745716	302.324486026338	2972.352383273333	2969.27812916059337	59.97476885004405	62.5114204006433
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468	9348	-6272.14133	800317.3170250766	39.072650751518625	-01.0202913	325230.9507800261	4267881.336339056	31.1856592291033	303.77722	2979.4100295878984	2975.833505385292	59.9269282	62.9339615753005
469	9349	-6206.14133	800317.3170250766	39.072654984716544	-01.0179674	325432.0130602636	4267777.33905671	31.177272614572287	303.72799320535	2977.858813755406	2974.858813755406	59.8238681766474	62.848047582671
470	9350	-6140.14133	800317.3170250766	39.072659193030155	-01.0156435	325633.075	4267673.34038394	31.16798319861336	303.525507397252	2976.1156385820036	2973.079790329894	59.4096935524825	62.64457179042624
471	9351	-6071.14133	800317.3170250766	39.07266334654573	-01.0133196	325834.1367119929	426769.34663213	31.158942274682	303.319833726834	2974.2290992736834	2971.450469374542	59.6907344935462	62.4693649632462
472	9352	-6008.14133	800317.3170250766	39.07266745	-01.0109597	326035.19828187686	426765.303991126	31.15801676745716	302.324486026338	2972.352383273333	2969.27812916059337	59.97476885004405	62.5114204006433
473	9353	-5940.14133	800317.3170250766	39.07267191595419	-01.0086719	326236.2596813786	4267616.35427118	31.08494521167574	302.1918742743454	2970.530320226876	2968.2963812948975	59.9305330220286	62.4649689897842
474	9354	-5876.14133	800317.3170250766	39.07267573742323	-01.0063749	326437.3201070396	426758.32404181	31.0798745213454	302.1918742743454	2969.27812916059337	2968.2963812948975	59.9305330220286	62.4649689897842
475	9355	-5810.14133	800317.3170250766	39.072679511306134	-01.0040239	326638.3819705484	4267653.36278314	31.0813895815138	302.324486026338	2972.352383273333	2969.27812916059337	59.97476885004405	62.5114204006433
476	9356	-5744.14133	800317.3170250766	39.072683430430283	-01.0017	326839.4589583837	426761.376101497	31.029421651596794	302.640914	2964.818091908586	2963.817022984097	61.22914083001434	62.22989387545036
477	9357	-5678.14133	800317.3170250766	39.072687324113394	-00.9993761	327040.503595669	426767.31689734	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
478	9358	-5612.14133	800317.3170250766	39.072691163677335	-00.9970522	327241.56413031684	426761.376101497	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
479	9359	-5546.14133	800317.3170250766	39.07269549579592	-00.9947283	327442.6245116206	426767.31689734	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
480	9360	-5480.14133	800317.3170250766	39.0726997474278	-00.9924042	327645.9847437357	426761.376101497	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
481	9361	-5414.14133	800317.3170250766	39.0727020411953642	-00.9900804	327844.7447681802	426761.376101497	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
482	9362	-5348.14133	800317.3170250766	39.072706017673224	-00.9877565	328045.0043445507	426767.31689734	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
483	9363	-5282.14133	800317.3170250766	39.07270966466574	-00.9854326	328246.8645033712	426771.40284671	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
484	9364	-5216.14133	800317.3170250766	39.07271326537368	-00.9831087	328447.9238916423	426771.40284671	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
485	9365	-5150.14133	800317.3170250766	39.07271637139457	-00.9807848	328648.9836020286	426771.40284671	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
486	9366	-5084.14133	800317.3170250766	39.0727202515292	-00.9784809	328850.0424631767	426769.34663213	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
487	9367	-5018.14133	800317.3170250766	39.07272419585419	-00.9761824	329052.164569627	426765.303991126	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
488	9368	-4952.14133	800317.3170250766	39.07272770173978	-00.973813	329252.1603670856	426761.376101497	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
489	9369	-4886.14133	800317.3170250766	39.07273043261565	-00.9714891	329453.2190682182	426697.43961397	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
490	9370	-4820.14133	800317.3170250766	39.072733230529	-00.9691652	329654.276075663	426697.43961397	31.0029429723842	302.4049311244874	2963.817022984097	2962.623134925963	61.0858739178394	61.8693685188833
491	9371	-4754.14133	800317.31702507										

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BRIEVLtKgr.f	BRIEVLtKgr.f	LatKgr.f	SatThKgr.f	
571	ix	9451	5258.858673073351	000317.3170250766	70.7285201326883	-70.7809274	45939.4833264593	4236370.53874815	2498.644374825582	2869.7979248710863	2869.48747668496	51.043931408540528	15.3597628803081	
572	ix	9452	5198.858673073351	000317.3170250766	70.7285163317147	-70.7789035	44610.52910712477	4236366.55897489	2498.527770491317	2863.2045751640076	2866.386191927580	16.4661787	16.81776324	
573	ix	9453	5158.858673073351	000317.3170250766	70.7285129818769	-70.776296	44631.5747128294923	4236362.503727811	2497.4113861578454	2861.55038662045	2863.52307229951	18.027308323094213	18.417138445230473	
574	ix	9454	5238.858673073351	000317.3170250766	70.7285073831724	-70.7735577	44652.61789325906	4236359.889391656	2496.294561821791	2879.88453669111	2860.241325783157	24.832710805505092	21.113719051937096	
575	ix	9455	7898.858673073351	000317.3170250766	70.7285023560394	-70.7716317	44673.66483235534	4236354.62065434	2494.01052484605	2876.206957278043	2857.192927983751	2856.790532750254	21.041029294292313	21.41624254778933
576	ix	9456	8558.858673073351	000317.3170250766	70.728496391705	-70.7693078	44694.774797711934	4236350.54151439	2490.559041424967	2876.517638923707	2853.960176831097	2853.684841496344	22.5575011092611	22.83275464273629
577	ix	9457	9218.858673073351	000317.3170250766	70.7284905938722	-70.7669839	44715.75457275426	4236346.66293259	2490.175858039454	2878.186657490345	2851.18463869577	2850.937155559394	23.06231802786228	23.87915540045844
578	ix	9458	9878.858673073351	000317.3170250766	70.7284840970916	-70.76466	44734.97291946226	4236342.383089891	2493.6561134582803	2873.101998401547	2848.509819222107	2848.351522428457	24.59438618053037	24.75267711700006
579	ix	9459	10538.858673073351	000317.3170250766	70.7284774568611	-70.7623256	44754.874737144675	4236338.705188721	2491.3509180766773	2871.380987003034	2845.874576708189	2845.79383323755	25.05981255244843	25.586558597878984
580	ix	9460	11158.858673073351	000317.3170250766	70.7284697647881	-70.7600121	44774.88806991807	4236334.72672743	2490.19197655579	2869.5442105698975	2843.253182	2843.734880404	26.39102559817493	26.47084576184352
581	ix	9461	11858.858673073351	000317.3170250766	70.72846192403055	-70.7576882	44794.93282680779	4236330.744840047	2492.0330730714844	2867.8962216652762	2840.548990105743	2840.51738380343	27.36331855295217	27.38346783438306
582	ix	9462	12518.858673073351	000317.3170250766	70.728453434083	-70.7553643	44815.97632112936	4236326.77	2492.8714581387	2866.13725343849	2837.8727631999963	2837.8171601113163	28.310062134852615	28.3266552352615
583	ix	9463	13178.858673073351	000317.3170250766	70.7284449	-70.7530403	44835.02262267654	4236322.792349876	2496.3973011194707	2864.3713496257724	2835.13719889566	2835.1343900397841	29.232415003090348	29.2360580793146
584	ix	9464	13838.858673073351	000317.3170250766	70.7284357085904	-70.7507164	44853.0633837262	4236318.015455795	2492.600151052743	2862.400057	2832.613136001703	2832.602595132978	29.99738605719334	29.99738605719334
585	ix	9465	14488.858673073351	000317.3170250766	70.7284260725524	-70.7489325	44873.06470593671	4236314.33891543	2492.807719	2860.635092717786	2830.514899578799	2830.43908962504	30.31967148379737	30.34136074874724
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587	ix	9467	15818.858673073351	000317.3170250766	70.728405453324	-70.7437448	44915.94194719197	4236306.882137551	2491.245018488443	2857.400737701115	2828.3214584829993	2828.3994334391736	30.07525220115577	30.07522075094127
588	ix	9468	16478.858673073351	000317.3170250766	70.7283947405079	-70.7414207	44935.72340546256	4236302.90499285	2490.373989999488	2855.82524935414	2827.908197545333	2828.0150378842927	30.17104544711908	30.17104544711908
589	ix	9469	17138.858673073351	000317.3170250766	70.728380388321	-70.7390968	44958.280665952	4236298.928014191	2491.76527941498417	2854.3039597794004	2827.751152436779	2827.248374005872	30.2824554262137	30.2824554262137
590	ix	9470	17798.858673073351	000317.3170250766	70.7283711582915	-70.7367729	44979.593233811315	4236294.951199661	2492.014933005119661	2852.032988519867	2826.739974892517	2826.705586347397	30.3921352734906	30.3921352734906
591	ix	9471	18458.858673073351	000317.3170250766	70.728358828866	-70.7344489	44990.3662673876	4236290.97459232	2491.3510795891458	2851.71274	2826.089594174588	2825.898350301103	30.50744151021416	30.50744151021416
592	ix	9472	19118.858673073351	000317.3170250766	70.7283465061665	-70.732125	45011.408505971	4236286.94	2490.6119938082445	2850.40543459557	2824.893705523794	2824.75348921424	31.516388131628	31.516388131628
593	ix	9473	19778.858673073351	000317.3170250766	70.728334229482	-70.729881	45032.989731204	4236283.01954833	2490.816718459474	2849.06674174641	2824.59057229951	2824.59057229951	31.627801925266	31.627801925266
594	ix	9474	20438.858673073351	000317.3170250766	70.7283191474834	-70.7274772	45056.94395763784	4236279.0584244	2491.2443051743307	2847.7805383525453	2823.350554654643	2822.314101041316	32.54001357200435	32.54001357200435
595	ix	9475	21098.858673073351	000317.3170250766	70.72830520261986	-70.7251532	45076.45357526874	4236275.06988316	2491.655751746348	2846.4529766873216	2820.8692419116715	2820.8611071496163	32.5837347170403	32.5837347170403
596	ix	9476	21758.858673073351	000317.3170250766	70.7282904899149	-70.7229293	45096.5772678206	4236271.03758245	2491.16564795705	2845.107582130057	2819.30010053155	2819.325401908376	32.7848162690274	32.7848162690274
597	ix	9477	22418.858673073351	000317.3170250766	70.7282754262995	-70.7206504	45116.66198822137	4236267.118902223	2490.67524037955	2843.7512401327955	2817.80642094835	2817.80642094835	32.94481915891765	32.94481915891765
598	ix	9478	23078.858673073351	000317.3170250766	70.7282599548424	-70.7181815	45137.361712939312	4236263.142950239	2492.185440029397	2842.3702707717014	2816.5973439142645	2816.5971991250843	32.77472680242906	32.77472680242906
599	ix	9479	23738.858673073351	000317.3170250766	70.7282461582676	-70.7158679	45158.7028940683	4236259.167252281	2492.351588702223	2840.871619042233	2815.918213803943	2815.918213803943	32.91877722787631	32.91877722787631
600	ix	9480	24398.858673073351	000317.3170250766	70.7282317135359	-70.7135359	45179.74482045204	4236252.7768147349	2492.54402581968	2839.54402581968	2814.153085051014	2814.153085051014	32.93685213521249	32.93685213521249
601	ix	9481	25058.858673073351	000317.3170250766	70.72821064728524	-70.7110287	45197.785	4236251.217068425	2492.61710984687	2838.10202235718	2816.98551953458	2817.22831368553	32.11637037260008	32.11637037260008
602	ix	9482	25718.858673073351	000317.3170250766	70.728193580379	-70.7087858	45217.1826940803	4236242.2222508	2492.617039524614	2836.675486236434	2816.368526535947	2816.368526535947	32.29022680248707	32.29022680248707
603	ix	9483	26378.858673073351	000317.3170250766	70.72817586459216	-70.7065619	45237.867680446	4236243.2674058	2492.626543579564	2835.1493484715133	2817.602050465317	2817.602050465317	32.475115891706377	32.475115891706377
604	ix	9484	27038.858673073351	000317.3170250766	70.7281576994904	-70.7042379	45257.9308304126	4236237.902302675	2492.466627270358	2833.046080798725	2815.278213062534	2815.4396480897880	32.5787967620162	32.5787967620162
605	ix	9485	27698.858673073351	000317.3170250766	70.728139084416	-70.701914	45277.94452336981	4236232.31896887	2492.30671981182797	2831.258451304946	2814.333670582294	2814.333670582294	32.68367933334	32.68367933334
606	ix	9486	28358.858673073351	000317.3170250766	70.728120024073	-70.699691	45297.989731204	4236221.344478939	2492.1467819562	2830.544226945	2811.53085051014	2811.53085051014	32.798327389294	32.798327389294
607	ix	9487	29018.858673073351	000317.3170250766	70.7281051283454	-70.6974662	45317.9030987165	4236227.50456269	2492.017414068167	2828.941711068167	2810.065553	2810.03862777414	32.918080774588	32.918080774588
608	ix	9488	29678.858673073351	000317.3170250766	70.7280850573484	-70.6949422	45337.8704833926	4236221.396590594	2492.28103200604	2827.325122060527	2808.591628	2808.5921915032656	32.78349363925657	32.78349363925657
609	ix	9489	30338.858673073351	000317.3170250766	70.7280601437708	-70.6926183	45357.91106151905	4236219.423	2493.7556958418	2825.683097498136	2806.7769243097123	2806.7769243097123	32.90671370101283	32.90671370101283
610	ix	9490	30998.858673073351	000317.3170250766	70.7280302859428	-70.6902944	45378.015060416353	4236215.449	2493.2312097388	2824.02739888738	2804.1001793215696	2804.1001793215696	32.919260607193968	32.919260607193968
611	ix	9491	31658.858673073351	000317.3170250766	70.72801778925095	-70.6879705	45398.1194050957	4236211.475987988	2493.222872103587	2822.34085666673	2806.713364013473	2806.5383527416993	32.9251026562588	32.9251026562588
612	ix	9492	32318.858673073351	000317.3170250766	70.7279962239991	-70.6856466	45418.23017557673	4236207.50160966	2493.31269037881154	2820.640949417504	2807.058191845184	2807.058191845184	32.93505492731982	32.93505492731982
613	ix	9493	32978.858673073351	000317.3170250766	70.7279793661516	-70.683391	45439.2697198254	4236203.88474	2493.408874	2820.74809435334	2806.251687023235	2806.251687023235	32.9458216718784	32.9458216718784
614	ix	9494	33638.858673073351	000317.3170250766	70.7279613595914	-70.6810097	45460.391402735	4236205.556860425	2492.4121369433	2817.20137423216	2807.058191845184	2807.058191845184	32.9562349325045	32.9562349325045
615	ix	9495	34298.8											

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ls	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatHtKgs.ft	SatHtBoth.ft	
697	13	9577	88418.85867307335	800317.3170250766	39.7245064097515	-100.488114	371270.1079813623	4325870.374834431	2805.879744345164	2715.7730697989673	2669.409462386515	2669.4542692731293	46.36362366031577	46.31880052889014
698	13	9578	88470.85867307335	800317.3170250766	39.724460521393	-100.485701	371471.1362400955	4325866.912929249	2807.226953520576	2714.5310482136974	2667.8644249081085	2667.220666727108	46.666623505893	47.310141586918245
699	13	9579	88528.85867307335	800317.3170250766	39.7243852456617	-100.483662	371672.3746035	4325862.46	2808.198546540476	2715.9846640476	2665.873190916385	2665.2474073864724	47.13204109938814	48.082423388314
700	13	9580	88586.85867307335	800317.3170250766	39.72432399031104	-100.4811243	371873.192351073	4325857.00149737	2808.070030662064	2712.0390366511892	2663.875793024864	2662.692214008547	48.00142726698084	48.3698135103455
701	13	9581	88638.85867307335	800317.3170250766	39.7242622861435	-100.4788184	372074.222027180804	4325854.543	2807.988464769297	2710.7888903828975	2661.843616194917	2660.5957368183244	48.94052738805624	50.1931535396308
702	13	9582	88690.85867307335	800317.3170250766	39.7242001330986	-100.4764945	372275.24803491205	4325850.58435647	2807.89054455113	2709.538640922257	2660.821510913468	2660.3808915181935	49.126937410013215	50.22937410013215
703	13	9583	88742.85867307335	800317.3170250766	39.724147106	-100.4741706	372476.27654622256	4325846.6209065	2807.729861619077	2708.29861619077	2658.932555804543	2658.239082219275	49.3426003826276	50.0406539890207
704	13	9584	88794.85867307335	800317.3170250766	39.72407448043904	-100.4718467	372677.3031911438	4325842.66766573	2805.647754149416	2707.020775417847	2657.09826328456	2656.24298811607	50.7771008090121	50.7771008090121
705	13	9585	88846.85867307335	800317.3170250766	39.7240168984014	-100.469529	372878.3306	4325838.34881586	2805.1987589625415	2705.75849652415	2655.437558895875	2654.3647699168201	50.7771008090121	50.7771008090121
706	13	9586	88898.85867307335	800317.3170250766	39.723947032353	-100.4671589	373079.357854363	4325834.75020479	2804.175428011105	2704.4923172504	2653.368703294913	2651.9135405062524	51.1240943290626	52.5703726688169
707	13	9587	88950.85867307335	800317.3170250766	39.7238826502575	-100.464675	373280.3805306159	4325830.79344548	2798.7984203205574	2703.223910590606	2651.2487225818467	2650.3504005654	51.97518714159484	53.8611105413519
708	13	9588	88956.85867307335	800317.3170250766	39.7238177888419	-100.4625511	373481.4102942433	4325826.837	2795.425428511877	2701.9512337433935	2649.056644005096	2647.075607800606	52.895933829781	54.5765294278688
709	13	9589	88962.85867307335	800317.3170250766	39.7237524938023	-100.4602272	373682.438330645	4325823.78495631	2791.060503396777	2700.674441872946	2646.3758426411064	2644.337834850808	52.989923183349	56.341567286509
710	13	9590	88968.85867307335	800317.3170250766	39.7236867499062	-100.4579033	373883.4657417395	4325818.92231907	2786.69155394267	2699.38419589924	2643.397631154635	2641.488854889927	53.995784328934	57.904564999078
711	13	9591	88974.85867307335	800317.3170250766	39.7236205971548	-100.4555794	374084.4924	4325814.362390921	2782.753526412509	2698.108074712588	2640.439078783801	2638.553201336406	57.6889993	59.5844737818206
712	13	9592	88980.85867307335	800317.3170250766	39.7235539155473	-100.4532556	374285.5189130674	4325811.008430777	2778.276408072012	2696.8201997406527	2637.183772221	2635.36709456706	58.632751793966	61.4531038
713	13	9593	88986.85867307335	800317.3170250766	39.723482508545	-100.4509317	374486.5453002636	4325807.051734564	2772.7099315018937	2693.55168480526	2633.600519090973	2631.89848014856	61.313839592474	63.6331873386802
714	13	9594	88992.85867307335	800317.3170250766	39.7234149257606	-100.4486078	374687.5716258878	4325803.09521067	2772.32028595566	2694.244052154697	2629.6537004910574	2628.107789303846	61.58870472441231	66.13462141163336
715	13	9595	89008.85867307335	800317.3170250766	39.7233512975922	-100.4462839	374888.5978008093	4325799.138	2768.18103682407	2692.9623088111655	2624.9401388157057	2623.32694512167	61.6021699954175	69.6316142897079
716	13	9596	89018.85867307335	800317.3170250766	39.7232829	-100.44396	375089.62305491975	4325785.18262329	2763.425796164757	2691.631240831211	2620.182198252818	2618.77629146078	71.47919525739326	72.8849662713337
717	13	9597	89018.85867307335	800317.3170250766	39.7232137644649	-100.4416361	375290.6488886716	4325791.227	2758.67055543057	2690.36807361527	2615.0363801709164	2613.908367968533	73.352471900733	76.4602435648834
718	13	9598	89022.85867307335	800317.3170250766	39.7231439590544	-100.4393122	375491.6750178831	4325787.270699129	2753.914515325855	2689.0748734045676	2609.45611552041	2608.390750250424	73.7255812	80.6841031204339
719	13	9599	89028.85867307335	800317.3170250766	39.7230728223902	-100.4369778	375696.834060627	4325783.34881586	2749.189159870078	2687.1624775386255	2607.13389508829545	2605.21217280327	75.8248324971951	82.8416345491936
720	13	9600	89038.85867307335	800317.3170250766	39.7230046238627	-100.4346644	375893.72695342	4325779.5942629	2744.9439234167576	2686.4272692988	2597.31611433573	2596.43903783818	76.9116265252361	90.04287202017001
721	13	9601	89048.85867307335	800317.3170250766	39.7229334255844	-100.4323405	376094.752418937	4325775.40043817	2747.214731539204	2685.18393184865	2592.554770388715	2591.5728303598583	92.616912587215	93.61102872277975
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724	13	9604	89078.85867307335	800317.3170250766	39.722719505233	-100.4253819	376687.820662622	4325763.53837029	2742.48463945996	2681.276154413131	2605.064284834113	2608.491259134345	93.717196372022	93.7227093364967
725	13	9605	89088.85867307335	800317.3170250766	39.72264672880316	-100.4230778	376888.834060627	4325759.34881586	2741.068140303478	2679.821494700378	2603.14389508829545	2601.21217280327	94.8184847868045	96.8184847868045
726	13	9606	89098.85867307335	800317.3170250766	39.7225728223902	-100.4207817	377099.871001315	4325755.62919737	2738.631938499	2678.631938499	2601.21217280327	2601.21217280327	95.7359719447033	97.7359719447033
727	13	9607	89108.85867307335	800317.3170250766	39.7225004288011	-100.4183972	377300.902640562	4325751.67510522	2737.223502287776	2677.3009904021965	2604.458275539215	2603.2411628487462	97.270593023683094	99.270593023683094
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731	13	9611	89148.85867307335	800317.3170250766	39.7222024425616	-100.4091017	378104.96040178542	4325736.89973079	2731.0513931983	2671.343880589533	2605.052252770576	2604.5943810236677	126.16905484221381	127.16905484221381
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ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElevKgr.ft	SatHtBoth.ft	
83	14	9703	-116821.1413	800977.3170250766	39.06949449	-101.914978	247811.44909113285	432853.686679475	3815.0998579495986	3757.6186010924043	3708.1125567003414	3708.3025419591514	49.50604392062904	49.3160403352289
84	14	9704	-116161.1413	800977.3170250766	39.06951607206703	-101.9126544	248012.5919735137	432852.5965564375	3810.13367944023943	3704.514200243933	3704.5754934366983	3704.520205314807	50.48999712454504	50.48999712454504
85	14	9705	-115161.1413	800977.3170250766	39.06953490969668	-101.9103307	248213.73465439068	432852.5946262431	3793.87765804683608	3701.5893460491494	3701.747108080812	3701.58783239013037	51.40408198352684	51.40408198352684
86	14	9706	-114841.1413	800977.3170250766	39.06955800444831	-101.9080071	248412.6770847857	432851.5033446384	3800.2013220991813	3750.95046566284	3698.7460274074033	3698.8241734797052	52.20427076887858	52.126170680491796
87	14	9707	-114181.1413	800977.3170250766	39.06958031332191	-101.9056834	248616.0192734322	432851.432369784	3798.994234404255	3748.689846	3696.0665236615456	3696.176977765369	52.62942277665447	52.3792666731417
88	14	9708	-113521.1413	800977.3170250766	39.06960165371742	-101.9033597	248817.1612347634	432851.38279471	3801.5618609494916	3746.42909244376684	3693.70844448546	3693.892421216934	52.57327098912565	52.537422220734445
89	14	9709	-112861.1413	800977.3170250766	39.06962266543806	-101.9010361	249018.3020949286	432850.322626088	3804.162479590133	3744.1303628086233	3691.4400078173907	3691.523674383582	52.769005438432615	52.769005438432615
90	14	9710	-112201.1413	800977.3170250766	39.069644216074056	-101.8987124	249219.4444747993	432850.262442832	3808.68968168307	3741.83858028333	3688.9699111567004	3688.957542033852	52.76989913	52.8210334558084
91	14	9711	-111541.1413	800977.3170250766	39.06965542003598	-101.8963868	249420.58554150673	432850.202487608	3795.8718023653487	3698.5111501594342	3686.1833044530747	3686.1833044530747	53.0057534040351	53.0057534040351
92	14	9712	-110881.1413	800977.3170250766	39.069679541787	-101.8940451	249621.72548721252	432849.14272058	3807.977650241498	3737.174467185717	3683.4011981306775	3683.2969254527394	53.776457489617	53.776457489617
93	14	9713	-110221.1413	800977.3170250766	39.06970770412238	-101.8917414	249822.68671840432	432849.03121731	3805.61750654936	3734.826222839637	3680.004180407255	3679.532706090018	53.884133232314	53.884133232314
94	14	9714	-109561.1413	800977.3170250766	39.06972877848556	-101.8894178	250024.0076344862	432849.023690901	3805.9375615072673	3732.4528313431542	3676.1400645324334	3675.842122503624	53.61726681072086	53.61726681072086
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96	14	9716	-108241.1413	800977.3170250766	39.06977073665775	-101.8847704	250426.2877909347	432848.90333499	3799.66969483187	3727.6644836711786	3667.09876948381	3667.3728004131865	53.6054711820522	53.6054711820522
97	14	9717	-107581.1413	800977.3170250766	39.06979173375678	-101.8824487	250627.42748911322	432848.764840891	3796.694991914849	3725.24504091688	3662.25318752982	3662.6507143873033	53.62964713870303	53.62964713870303
98	14	9718	-106921.1413	800977.3170250766	39.06981125896927	-101.8801231	250828.5695819963	432847.787548049	3791.699303049125	3722.816586808685	3657.302237570017	3657.30570275002	53.5144023866973	53.5144023866973
99	14	9719	-106261.1413	800977.3170250766	39.0698347930325	-101.8777794	251029.7617140082	432846.729	3786.323050590324	3720.374215599283	3652.3744552664285	3652.3744552664285	53.6986295206674	53.6986295206674
100	14	9720	-105601.1413	800977.3170250766	39.069854284758684	-101.8754577	251230.8451379193	432846.780353569	3779.573046679633	3717.921530871213	3647.734655655469	3648.451126744744	53.67284121407778	53.67284121407778
101	14	9721	-104941.1413	800977.3170250766	39.06987504533549	-101.873152	251431.9838570664	432846.613812245	3772.816762828349	3715.461398018295	3642.2277360335625	3644.0332597020813	53.723366199	53.723366199
102	14	9722	-104281.1413	800977.3170250766	39.06989516103365	-101.8708284	251633.12233172968	432846.552429425	3766.005389771707	3712.93213153625	3639.064754208277	3639.995086651584	53.9256673	53.9256673
103	14	9723	-103621.1413	800977.3170250766	39.069916451853194	-101.8689407	251830.2605943198	432842.496	3759.26751208986	3710.5717736995885	3635.344902967384	3635.318986474236	53.711688023204	53.711688023204
104	14	9724	-102961.1413	800977.3170250766	39.06993705779399	-101.866181	252035.3985417218	432843.483624424	3752.437171266626	3708.036588125927	3632.008891067141	3632.760594110297	53.655999225595	53.655999225595
105	14	9725	-102301.1413	800977.3170250766	39.06995828856505	-101.8633493	252343.3574711907	432843.3841041349	3745.891476003449	3672.591459119492	3626.549714348532	3626.549714348532	53.6094126578132	53.6094126578132
106	14	9726	-101641.1413	800977.3170250766	39.06997817503928	-101.8615336	252437.6737618095	432840.323638034	3738.778112302147	3703.069063	3626.096020739222	3625.755861631176	53.6071450339387	53.6071450339387
107	14	9727	-100981.1413	800977.3170250766	39.06999866343714	-101.8592099	252638.810136608	432839.266380214	3734.625538378857	3700.581253698956	3623.360391291113	3623.99534887238	53.582738980654	53.582738980654
108	14	9728	-100321.1413	800977.3170250766	39.07001911726956	-101.8568683	252839.9480140592	432839.20503636	3733.150872966025	3698.09095455642	3620.679139805066	3621.293245527116	53.7411384705522	53.7411384705522
109	14	9729	-99661.1413	800977.3170250766	39.07003951431594	-101.8546266	253041.0847699347	432839.12395446	3731.675829755187	3695.926840935824	3618.016130149197	3617.7565547566027	53.70568775600144	53.70568775600144
110	14	9730	-99001.1413	800977.3170250766	39.07005984603349	-101.8522289	253242.221280655	432834.09563341	3730.68776714037	3693.081623299222	3615.04730101243	3615.9063921492116	53.7053152910987	53.7053152910987
111	14	9731	-98341.1413	800977.3170250766	39.07008196772335	-101.8498152	253443.3574711907	432831.647760349	3729.694178907817	3692.5889591387	3613.198728178315	3613.198728178315	53.681681147847397	53.681681147847397
112	14	9732	-97681.1413	800977.3170250766	39.070104486202	-101.847915	253644.4934949973	432831.683877769	3728.162457102111	3688.02256303922	3609.2717740411698	3609.2717740411698	53.703452552239	53.703452552239
113	14	9733	-97021.1413	800977.3170250766	39.07012607112722	-101.8452678	253845.6293477807	432831.92643491	3728.624872724236	3685.474687884084	3606.7039358872188	3607.8454687701	53.7052019966502	53.7052019966502
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115	14	9735	-95701.1413	800977.3170250766	39.07016098113666	-101.8406204	254247.90071371207	432840.81461803	3719.78155347554	3680.3450544628063	3601.94716903584	3602.604704885332	53.73978842425231	53.73978842425231
116	14	9736	-95041.1413	800977.3170250766	39.070181068529926	-101.8382967	254449.0352059643	432839.72877238	3720.720016758228	3677.7630170685066	3609.3356768885	3609.3356768885	53.7442652	53.7442652
117	14	9737	-94381.1413	800977.3170250766	39.07020211105389	-101.835973	254650.1701246281	432839.730158894	3733.691157848172	3677.17354951726	3607.18702605034	3608.586599	53.703256471125	53.703256471125
118	14	9738	-93721.1413	800977.3170250766	39.07022110868956	-101.8336493	254851.204698092	432839.647760349	3727.591459119492	3672.591459119492	3606.459704348532	3606.459704348532	53.69447381231705	53.69447381231705
119	14	9739	-93061.1413	800977.3170250766	39.07024105144111	-101.8312356	255042.43900455983	432839.587	3727.73761515137	3669.54199895854	3606.1486434157036	3605.4821732176734	53.70455408708022	53.70455408708022
120	14	9740	-92401.1413	800977.3170250766	39.0702609320206	-101.829019	255253.573080425	432839.53467034	3728.09782546524	3667.330035624522	3604.11770491576	3604.77240491576	53.7122330780634	53.7122330780634
121	14	9741	-91741.1413	800977.3170250766	39.07028083231707	-101.826782	255454.70691384512	432839.482572521	3696.658552488128	3693.284714056186	3593.5221220013767	3593.5221220013767	53.71424211824654	53.71424211824654
122	14	9742	-91081.1413	800977.3170250766	39.07030065043446	-101.824345	255655.840050526912	432839.427854372	3718.83846424869	3662.05126391827	3592.58210564852	3592.58210564852	53.6902153534179	53.6902153534179
123	14	9743	-90421.1413	800977.3170250766	39.07032043276241	-101.8220308	255866.978346222	432839.373238933	3714.44749363474	3659.396945403294	3592.1294485505305	3591.909267972012	53.6274968276354	53.6274968276354
124	14	9744	-89761.1413	800977.3170250766	39.07034015	-101.8197071	256068.1069620692	432839.318985306	3706.733074401598	3591.259243821702	3590.774858765652	3590.774858765652	53.66161582504299	53.66161582504299
125	14	9745	-89101.1413	800977.3170250766	39.0703597096968	-101.8174159	256268.3582922804	432839.2698195342	3705.89268195342	3690.20984195342	3589.20984195342	3589.20984195342	53.6786355498936	53.6786355498936
126	14	9746	-88441.1413	800977.3170250766	39.070379410931	-101.8150597	256472.532489315	432839.160176784	3707.98744692625	3651.377111968119	3588.66831764763	3587.9672503404027	53.70280161445145	53.70280161445145
127	14	9747	-87781.1413	800977.3170250766	39.070399067829165	-101.812736	256661.50483406382	432839.15672935	3698.00670426502					

ix	iy	x	Y.f	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.f	W.Lt	BRIElevLogs.f	BRIElevBoth.f	SatThLogs.f	SatThBoth.f
335	19	9955	-150501.1413	800977.3170250766	30.07349900965336	-101.3293813	298492.110323934	4327515.58624048865	3346.2710513502907	3179.9033166898453	3199.4577041194543	3212.0220439623276	0
336	19	9956	-149841.1413	800977.3170250766	30.0735092286146	-101.3270574	298683.19700630063	4327611.567286052	3345.196483286653	3179.328460283814	3199.2439233801196	3212.03022029262	0
337	19	9957	-149181.1413	800977.3170250766	30.073519391184065	-101.3247338	298864.0007368068	4327807.548493765	3344.125915224332	3178.75155849322	3199.038696577096	3210.3388896231	0
338	19	9958	-148521.1413	800977.3170250766	30.07352951462125	-101.3224096	299059.36965978006	4327953.0569789195	3343.0533471653626	3178.173316260783	3198.876509162637	3209.877020362545	0
339	19	9959	-147861.1413	800977.3170250766	30.07353959317292	-101.3200856	299266.4555397603	4327949.511408209	3342.0368745785386	3177.599046056768	3198.7291791173675	3210.0383754502214	0
340	19	9960	-147201.1413	800977.3170250766	30.0735462683907	-101.3177617	299497.5412	4327965.493114921	3341.076497466464	3177.0171661292193	3198.60372204251	3210.686059523637	0
341	19	9961	-146541.1413	800977.3170250766	30.073559615619665	-101.3154378	299698.6267	4327949.14789752	3340.11620354382	3176.4392856455265	3209.539851030563	3218.56345856415	0
342	19	9962	-145881.1413	800977.3170250766	30.073569559514745	-101.3131139	299899.71199511585	4327947.457027296	3339.1557432423137	3175.861025459576	3209.473281822646	3218.442302179378	0
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344	19	9964	-144561.1413	800977.3170250766	30.073589312648146	-101.308461	3003.8819802436	4327939.427	3337.204153916775	3174.719058995646	3209.323754	3218.656821752235	0
345	19	9965	-143901.1413	800977.3170250766	30.07359911888646	-101.3061422	300502.9666778876	4327945.404143109	3334.5566200774047	3174.1023479054752	3199.2286404227307	3219.3153858899911	0
346	19	9966	-143241.1413	800977.3170250766	30.07360886239114	-101.3038182	3007.004511719147	4327941.386847613	3332.990462241095	3173.536920664794	3199.2596710914004	3218.97864791826	0
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348	19	9968	-141921.1413	800977.3170250766	30.07362820287851	-101.2991704	301106.2195934044	4327943.352754346	3329.32702786515	3172.361798655401	3199.5214455576	3218.3615188869826	0
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351	19	9971	-139941.1413	800977.3170250766	30.07365703471745	-101.2921987	301709.40747778075	4327951.3028640775	3323.8767860292782	3170.675649179275	3200.633687	3217.7950327261024	0
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356	19	9976	-136641.1413	800977.3170250766	30.07370406	-101.2805791	302714.8854334473	4327931.223036805	3314.052987395486	3167.5165525351864	3206.058174090971	3217.5625725001347	0
357	19	9977	-135981.1413	800977.3170250766	30.0737092132767	-101.278459	302915.8677006898	4327927.1536775915	3312.0689051022882	3166.876831441866	3207.27689249216	3226.05548	0
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359	19	9979	-134661.1413	800977.3170250766	30.07373172822366	-101.2736073	303318.1319222847	4327919.177	3307.371922172788	3165.617270133454	3211.535682850436	3223.470289162658	0
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361	19	9981	-133341.1413	800977.3170250766	30.0737496524182	-101.2689594	303720.2952770523	4327911.147363569	3305.0190017822015	3164.31194925732	3220.4831266342344	3228.169242172006	0
362	19	9982	-132681.1413	800977.3170250766	30.07375901142203	-101.2666355	303921.3766647331	4327907.132775058	3303.8425413116908	3163.643441309594	3225.91643540601	3231.689290717341	0
363	19	9983	-132021.1413	800977.3170250766	30.0737680127158115	-101.264316	304122.457465487	4327903.1185276915	3302.410672775905	3162.9631185291894	3228.058174090971	3236.05548	0
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365	19	9985	-130701.1413	800977.3170250766	30.07378586084708	-101.2596637	304524.61867141007	4327906.089816184	3304.0361170507567	3161.5787268414206	3229.716607330393	3232.6997921047214	0
366	19	9986	-130041.1413	800977.3170250766	30.073794747283486	-101.2573398	304725.7000963139	4327901.075844671	3304.348834373544	3160.871295454526	3220.8986706747	3236.1245448494	0
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373	19	9993	-125421.1413	800977.3170250766	30.07385556592665	-101.2410723	306133.25502452324	4327903.962869454	3304.794865144007	3155.6179697788552	3181.6119850435666	3189.963692414555	0
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382	19	10002	-119481.1413	800977.3170250766	30.07393050896407	-101.2201569	307942.9648887756	4327903.47888526	3290.54031739384	3148.200207709834	3152.361134417998	3216.5021553	0
383	19	10003	-118821.1413	800977.3170250766	30.07393861256367	-101.217823	308144.9416947235	4327902.837369683	3287.9705797448187	3147.244197431095	3148.5199236218805	3217.04715886955	0
384	19	10004	-118161.1413	800977.3170250766	30.0739467122242	-101.215509	308345.1189813075	4327901.858274118	3282.616279339162	3146.483471568724	3146.691603747319	3153.984551249673	0
385	19	10005	-117501.1413	800977.3170250766	30.07395468052221	-101.2131851	308546.195648589	4327901.841937522	3280.971973733814	3145.61831519284	3144.1733841616087	3215.98700849206	1.4449303576

	Id	Yr	X.R	Y.R	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.T	W.Ln	BREWLogKg.R	BREWLogKg.R	BREWLogKg.R	SurfThick.R
462	14	1981	67341.14133	80097.7172025076	39.74436239553483	-101.056646	323827.5127365226	42370.1040425122	3124.54367876295	50.110895285375	2987.02746586297	2984.22865138302	63.053435989192	65.8823011988273
463	14	1982	66681.14133	80097.7172025076	39.744363505326	-101.034206	324028.5784941013	42370.065085124	3124.73044298452	50.4083725495597305	2986.0421333450027	2984.0421333450027	65.3242598744678	
464	14	1983	66621.14133	80097.7172025076	39.74441446568268	-101.031916	324229.6387901588	42370.089070483	3125.9420717057148	50.6466363403433	2984.93423334707	2981.7043065052636	61.71232600912268	
465	14	1984	65361.14133	80097.7172025076	39.74445593	-101.029527	324430.70155900274	42369.9811241193	3125.1589359926613	50.404336648815303	2983.7127065912297	2980.7347049841373	61.16509790061296	
466	14	1985	64701.14133	80097.7172025076	39.744532682172	-101.027287	324631.764	42369.94513677246	3124.37584959960163	50.34431664607407	2983.0176145	2978.666054495026	60.22491933826646	
467	14	1986	64241.14133	80097.7172025076	39.74454734205416	-101.029447	324832.82586086845	42369.951678834	3121.7525973861419	50.3415622260705986	2981.689806348116	2977.511199682448	64.311636381481	
468	14	1987	63781.14133	80097.7172025076	39.7445739878168	-101.029447	324832.82586086845	42369.951678834	3121.7525973861419	50.3415622260705986	2981.689806348116	2977.511199682448	64.311636381481	
469	14	1988	62721.14133	80097.7172025076	39.744633326085	-101.029447	324832.82586086845	42369.951678834	3121.7525973861419	50.3415622260705986	2981.689806348116	2977.511199682448	64.311636381481	
470	14	1989	62601.14133	80097.7172025076	39.74467598833024	-101.019728	325436.0182271783	42369.7552074717	3125.47596229942	50.618203481728	2979.85800646269	2972.5748580625522	64.04361472048052	
471	14	1990	61401.14133	80097.7172025076	39.744741797252734	-101.015648	325637.0746	42369.7453323359	3122.166003390374	50.30499102719574	2978.188002551535	2971.98002551535	63.8111810040193	
472	14	1991	60741.14133	80097.7172025076	39.7447595670183	-101.0132428	325838.13611059	42369.7331765295	3122.739464148622	50.3032314372575	2978.033425368884	2969.696327343488	60.24663171564616	
473	14	1992	60081.14133	80097.7172025076	39.7448006943036	-101.011009	326039.1975	42369.665335817	3124.194581910685	2971.1211446	2967.95703329523	2967.0479570497148	63.8390876156371	
474	14	1993	59421.14133	80097.7172025076	39.74483112318583	-101.008678	326240.23675672283	42369.593191013	3123.28269807143	50.300240585789738	2969.037115342487	2968.198162584045	64.0176858986822	
475	14	1994	58761.14133	80097.7172025076	39.744861305076	-101.004209	326420.3870859594	42369.524104513	3123.444732583293	50.300240585789738	2969.037115342487	2968.198162584045	64.0176858986822	
476	14	1995	58101.14133	80097.7172025076	39.74489211604214	-101.004209	326420.3870859594	42369.524104513	3123.44473	50.300240585789738	2969.037115342487	2968.198162584045	64.0176858986822	
477	14	1996	57441.14133	80097.7172025076	39.744905513816	-101.001705	326643.4142468836	42369.5051348094	3124.089687924341	50.3025505208382	2969.12605846226395	2969.12605846226395	63.2184301480683	
478	14	1997	56781.14133	80097.7172025076	39.7449962934666	-100.999381	327044.5019755561	42369.455803627	3124.893063810863	50.302345492337716	2969.130666404807	2968.92290288642	64.029829288642	
479	14	1998	56121.14133	80097.7172025076	39.745037686822	-100.990571	327245.5635487247	42369.460388383	3123.714718927293	50.299665025044996	2969.5322831772734	2968.73280432225	63.0920512308488	
480	14	1999	55461.14133	80097.7172025076	39.745057631299	-100.994731	327446.62265604458	42369.46586138376	3124.4125812991	50.2823859881884	2968.598396877373	2968.598396877373	62.0786834005924	
481	14	2000	54811.14133	80097.7172025076	39.745073983068	-100.990585	327648.742787598	42369.4705134012	3125.4214511592444	50.29190125819244	2968.598396877373	2968.598396877373	62.0786834005924	
482	14	2001	54341.14133	80097.7172025076	39.74510511730386	-100.9900582	327848.724787598	42369.4705134012	3125.4214511592444	50.29190125819244	2968.598396877373	2968.598396877373	62.0786834005924	
483	14	2002	53891.14133	80097.7172025076	39.745187780043	-100.987716	328049.80281871306	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
484	14	2003	52821.14133	80097.7172025076	39.7452229196512	-100.985437	328250.8617813396	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
485	14	2004	52161.14133	80097.7172025076	39.745258196244	-100.983112	328451.9210853846	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
486	14	2005	51501.14133	80097.7172025076	39.7452938707241	-100.980783	328652.980284162	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
487	14	2006	50841.14133	80097.7172025076	39.7453287	-100.978493	328854.039017283	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
488	14	2007	50181.14133	80097.7172025076	39.7453637087068	-100.976194	329056.15622604458	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
489	14	2008	49521.14133	80097.7172025076	39.7453963070434	-100.973814	329256.15622604458	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
490	14	2009	48851.14133	80097.7172025076	39.7454303838474	-100.971494	329457.215408627	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
491	14	2010	48201.14133	80097.7172025076	39.74546391311496	-100.969164	329658.2377176425	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
492	14	2011	47541.14133	80097.7172025076	39.74549595097146	-100.966854	329859.3319679857	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
493	14	2012	46891.14133	80097.7172025076	39.745525099367	-100.964524	330060.389997389	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
494	14	2013	46241.14133	80097.7172025076	39.7455585129644	-100.962238	330269.505558805	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
495	14	2014	45691.14133	80097.7172025076	39.745591365514	-100.959749	330476.663069434	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
496	14	2015	44901.14133	80097.7172025076	39.7456221965514	-100.957549	330663.56309491	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
497	14	2016	44241.14133	80097.7172025076	39.74565200741	-100.955225	330853.604544342	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
498	14	2017	43581.14133	80097.7172025076	39.7456818717512	-100.952916	331055.6775560052	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
499	14	2018	42921.14133	80097.7172025076	39.7457112874474	-100.950576	331266.7349621028	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
500	14	2019	42261.14133	80097.7172025076	39.7457405448384	-100.948356	331467.915622648	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
501	14	2020	41601.14133	80097.7172025076	39.7457698414133	-100.946137	331669.9048815644	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
502	14	2021	40941.14133	80097.7172025076	39.745798414133	-100.943918	331871.9048815644	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
503	14	2022	40281.14133	80097.7172025076	39.74582846170105	-100.941671	332070.9612841035	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
504	14	2023	39621.14133	80097.7172025076	39.74585816	-100.939427	332272.017496248	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
505	14	2024	38961.14133	80097.7172025076	39.745887355525	-100.937137	332473.0735	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
506	14	2025	38301.14133	80097.7172025076	39.7459162491688	-100.934839	332674.1294282345	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
507	14	2026	37641.14133	80097.7172025076	39.745945154575	-100.932541	332875.189416105	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
508	14	2027	36981.14133	80097.7172025076	39.745974065824	-100.930243	333076.247057027	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
509	14	2028	36321.14133	80097.7172025076	39.7459987567595	-100.927938	333277.296055042	42369.45830979642	3127.1071340065397	50.2813408753447	2968.598396877373	2968.598396877373	62.0786834005924	
510	14	2029	35661.14133	80097.7172025076	39.746023548707	-100.925638	333478.351330208	42369.45830979642						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	SatHkElev.ft	SatHtBoth.ft
587	14	10207	15818.85867303351	80097.7120250766	39.74665314413784	-100.7437433	491610.1739685714	4326508.048989022	2925.666254045003	2857.99967287181655	2831.4989964218807	2831.373592	25.00606350284793	26.6263063235513
588	14	10208	16474.85867303351	80097.7120250766	39.74665205582845	-100.7414193	49361.2170967004	4326504.071598544	2924.4807389517332	2856.4486245005285	2830.873961990527	2830.7507999882629	25.96928061033472	26.591784212570184
589	14	10209	17108.85867303351	80097.7120250766	39.7466511081361	-100.7251514	49692.5913699207	4326500.94473153	2924.261845107059	2854.368997687466	2830.312843260944	2830.24444428516	24.9999999999999	24.9999999999999
590	14	10210	17798.85867303351	80097.7120250766	39.7464972454898	-100.7367173	49373.3026	4326496.115712063	2922.108965	2853.596510704578	2829.7269661663043	2829.496001648105	23.86966497947882	24.100510500973605
591	14	10211	18458.85867303351	80097.7120250766	39.74644819516234	-100.7344473	49964.3541823102	4326492.141	2921.486911434663	2852.940760079627	2829.0713788880056	2828.9627032404171	23.176690711995715	23.281074203791782
592	14	10212	19118.85867303351	80097.7120250766	39.7464721731696	-100.7321234	50516.387951092	4326486.164082761	2921.428691339466	2850.917653885574	2828.146349694339	2828.046573269124	22.871306921234554	22.871075262121276
593	14	10213	19778.85867303351	80097.7120250766	39.7464580970096	-100.7297994	50306.42968205424	4326484.187614522	2921.3704732680347	2849.920336280347	2827.0419474295036	2826.95699491348	22.6509489743007	22.6350932545477
594	14	10214	20438.85867303351	80097.7120250766	39.7464452333564	-100.7274754	50567.471983351	4326480.21310562	2921.312251315142	2848.262954897867	2825.76328676021	2825.7453839193476	22.49968191846013	22.5171145892948
595	14	10215	21098.85867303351	80097.7120250766	39.7464591381974	-100.7251514	50760.8513699207	4326476.23617059	2920.261845107059	2846.324898746996	2824.322842360944	2824.36332611416753	22.80285217489878	24.9588383324315
596	14	10216	21758.85867303351	80097.7120250766	39.7464165340397	-100.7232742	50699.555789217	4326472.192519404	2920.2417234958792	2845.573787314474	2822.7412405004644	2822.7844941121215	22.8325469708332	22.78928821832564
597	14	10217	22418.85867303351	80097.7120250766	39.7464045110777	-100.7205034	51170.597454028	4326468.28334195	2926.12739296139	2844.260439927963	2821.141646703753	2821.07673260245	22.79982731972277	22.798872312531293
598	14	10218	23078.85867303351	80097.7120250766	39.7463863021976	-100.7181795	51371.63901615056	4326464.307732716	2926.133596965197	2842.820203632265	2819.674504545246	2819.796970312876	23.1459851870192	23.022327570350417
599	14	10219	23738.85867303351	80097.7120250766	39.74637011849624	-100.7158555	51572.6804122759	4326460.332254468	2928.7253232277926	2841.821835490518	2818.7460737033077	2818.951494403928	22.666744659526556	22.666744659526556
600	14	10220	24398.85867303351	80097.7120250766	39.7463537488966	-100.7135315	51773.72166397477	4326456.3653959295	2930.961187899586	2839.98238722763	2818.484370113135	2818.61682832763	22.4909186928612	21.320700518981084
601	14	10221	25058.85867303351	80097.7120250766	39.7463369042418	-100.7112075	51974.7628	4326452.381781602	2931.97052521238	2839.9593726516	2818.961179099977	2819.028439030004	21.967874627539813	19.32610424661564
602	14	10222	25718.85867303351	80097.7120250766	39.7463196370708	-100.7088835	52175.80373409277	4326448.40614777	2933.4232917	2837.0541134067417	2818.051272502722	2818.2019099512906	17.20514009809885	16.86552289383532
603	14	10223	26378.85867303351	80097.7120250766	39.7463019464424	-100.7065896	52376.845645911	4326444.431965359	2933.243710388633	2835.561450175373	2819.0273415016036	2819.3041064351687	16.92348897377168	16.245737420090958
604	14	10224	27038.85867303351	80097.7120250766	39.7462837817423	-100.7042356	52577.8852630473	4326440.457303789	2934.447141958453	2834.041752653227	2816.750538146176	2816.900673703127	15.912103914671	15.14705175000675
605	14	10225	27698.85867303351	80097.7120250766	39.7462651676455	-100.7019116	52778.9257633017	4326436.580278823	2931.035156128273	2832.496841720244	2816.750587654577	2816.648401331267	15.71875406565773	17.812827806758002
606	14	10226	28358.85867303351	80097.7120250766	39.7462461049113	-100.6998576	52979.9615276055	4326432.504827938	2928.828752382903	2830.926483809025	2812.746339	2812.7301158572965	18.1801517264785	18.196325123064783
607	14	10227	29018.85867303351	80097.7120250766	39.746226931828	-100.6972636	533181.008932886	4326428.534039335	2931.401329690729	2829.303899548855	2810.948020893773	2810.926356599393	18.382620360311194	18.382620360311194
608	14	10228	29678.85867303351	80097.7120250766	39.7462065327684	-100.6948387	535478.6226420654	4326424.56029428	2932.7884186711873	2827.709675439315	2808.19478417836	2808.085309370097	18.9593759722538	18.6213434
609	14	10229	30338.85867303351	80097.7120250766	39.7461892233968	-100.692404	53784.946840022	4326420.584640022	2933.964138412784	2826.54168412784	2807.165473050503	2807.07030728438	22.34905728969091	24.117481268618
610	14	10230	30998.85867303351	80097.7120250766	39.7461653647366	-100.690217	53784.1262871783	4326416.61780616	2937.538620570305	2824.394126700595	2804.50506326407	2804.734265161087	19.89434534655124	20.02586153050826
611	14	10231	31698.85867303351	80097.7120250766	39.7461400964267	-100.6883198	535487.16599526054	4326412.6927347975	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
612	14	10232	32318.85867303351	80097.7120250766	39.746122301407	-100.685437	53416.205493309	4326408.695234926	2935.738200505872	2821.023664548493	2798.482113152212	2798.130358915173	22.521354941628015	22.8932753687612
613	14	10233	32978.85867303351	80097.7120250766	39.746100964267	-100.683198	534587.16599526054	4326404.6927347975	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
614	14	10234	33638.85867303351	80097.7120250766	39.7460774425703	-100.680958	534588.284137876	4326400.71914394	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
615	14	10235	34338.85867303351	80097.7120250766	39.7460591381974	-100.678612	534588.284137876	4326396.23617059	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
616	14	10236	35038.85867303351	80097.7120250766	39.746040964267	-100.6763748	534588.284137876	4326392.504827938	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
617	14	10237	35678.85867303351	80097.7120250766	39.746022301407	-100.6742038	535191.404427544	4326388.802	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
618	14	10238	36278.85867303351	80097.7120250766	39.74600383399	-100.6721899	535392.4397	4326384.82927375	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
619	14	10239	36938.85867303351	80097.7120250766	39.74598574041622	-100.6693759	535993.478770945	4326380.857073257	2937.728775993787	2821.788272556241	2801.551069761524	2801.33971510308	21.3790750014113	21.3790750014113
620	14	10240	37598.85867303351	80097.7120250766	39.74596750139356	-100.6670519	535794.516683976	4326376.880537262	2939.590624909096	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
621	14	10241	38258.85867303351	80097.7120250766	39.74594902970784	-100.664728	535995.548996906	4326372.913165552	2939.590624909096	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
622	14	10242	38918.85867303351	80097.7120250766	39.7459308221734	-100.662404	536196.548996906	4326368.9402261	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
623	14	10243	39578.85867303351	80097.7120250766	39.7459125681861	-100.660078	536397.8310524794	4326364.99913685	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
624	14	10244	40238.85867303351	80097.7120250766	39.74589426158796	-100.65776	536598.6890932934	4326360.99329304	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
625	14	10245	40898.85867303351	80097.7120250766	39.74587682439904	-100.655432	536796.796168715	4326356.027317856	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
626	14	10246	41558.85867303351	80097.7120250766	39.74585947084365	-100.653108	537001.744185309	4326352.06523808	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
627	14	10247	42218.85867303351	80097.7120250766	39.7458420948134	-100.6507841	537201.7816148276	4326348.0538790005	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
628	14	10248	42878.85867303351	80097.7120250766	39.745824713156708	-100.648401	537401.820478189	4326344.114650335	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
629	14	10249	43538.85867303351	80097.7120250766	39.7458069147687	-100.646078	537601.860494545	4326340.179136105	2940.54168412784	2820.961327302816	2800.971903397043	2800.753127304084	21.901826417238426	21.901826417238426
630	14	10250	44198.85867303351	80097.7120250766	39.7457893338116	-100.								

ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogsKrg.f	BREIEVBothKrg.f	SatThtLogs.f	SatThtBoth.f
713	14	10333	98978.85867307335	80097.71720250766	-39.074161278884404	-104.505923	47940.50351846725	4326008.201514239	2713.126307770471	2658.1533	2633.3806647259375	2631.4787912819975	61.3735793492385	63.6745088234246
714	14	10334	99658.85867307335	80097.71720250766	-39.07415452478189	-104.488591	474891.5296	4326008.204459527	2769.593880505014	2693.860893438531	2629.6655964939027	2627.910715733569	64.19526994426235	65.95017806496207
715	14	10335	10458.85867307335	80097.71720250766	-39.074147275276708	-104.482314	74892.555665654	4326000.288	2768.18862552319	2692.81521291456	2624.0430815070454	2623.651427153874	67.52483071	69.5181006574472
716	14	10336	100958.85867307335	80097.71720250766	-39.07414081911344	-104.438514	375093.5816	4325996.3240369135	2769.1273461108667	2691.073461108667	2621.0437536847	2619.50725087368047	70.22970377221964	71.76621053718645
717	14	10337	101618.85867307335	80097.71720250766	-39.074133093150944	-104.416272	375294.2607399676	4325992.375871624	2764.1842096476885	2688.97243362335	2616.83485020294725	2615.7235731120654	73.14339313286246	74.25467025026956
718	14	10338	102278.85867307335	80097.71720250766	-39.07412705901826	-104.393033	375495.6330438214	4325984.419864324	2749.14386658968	2689.68129149816	2611.6971537297077	2610.6463249941474	76.98413713082624	78.03496645
719	14	10339	102938.85867307335	80097.71720250766	-39.07412008969607	-104.369793	375696.6586645713	4325984.464030411	2745.591311	2687.26363019271	2607.073057	2606.144931491644	80.30957271368106	81.2377107101652
720	14	10340	103298.85867307335	80097.71720250766	-39.0741130574371	-104.346554	375897.68397154845	4325980.508	2743.824433	2686.082365768646	2603.07789729335	2602.212901945618	83.070673311102	83.70755174070471
721	14	10341	10458.85867307335	80097.71720250766	-39.0741058992476	-104.323214	376098.70029581653	4325978.652818682	2742.057555	2684.79625297448194	2600.73849677568	2600.73849677568	84.04112861705141	84.8863652539372
722	14	10342	10458.85867307335	80097.71720250766	-39.0740980730325	-104.300075	376259.7344205789	4325972.597492279	2740.230670380597	2683.477514837127	2601.51407570282	2601.0723820710727	85.7251928163137	87.251928163137
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19	15	10379	118621.85867307335											

ix	yy	icd49	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
99	15	10459	-306261.1413	801637.3170250766	30.671645967238624	-101.8778261	251033.7071245597	4238669.991077197	3785.7390971568266	3720.858156960972	3657.314733	3658.1585853835827	63.54324346225167	62.69957071320914
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103	15	10463	-303621.1413	801637.3170250766	30.67172891848464	-101.8685311	251838.3230837684	4238663.757426305	3750.57623023635	3701.990724728238	3639.848625713586	3640.994548268045	7.114200901	69.98266454943358
104	15	10464	-302961.1413	801637.3170250766	30.67174954343638	-101.8662074	252039.4681114439	4238649.69	3756.9217420081576	3708.50780617340174	3636.253484847543	3637.095782340577	72.2543213256216	71.41202383243044
105	15	10465	-302301.1413	801637.3170250766	30.67177012992843	-101.8638387	252240.59917346714	4238645.641610238	3744.206664	3706.02277541596176	3632.928344156377	3633.7698415796176	73.09443126166252	72.25293384
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107	15	10467	-300981.1413	801637.3170250766	30.67179873432106	-101.8592262	252642.8736913759	4238637.526497018	3734.4278841169116	3731.05158907167	3628.844561892626	3627.652197150493	74.0320586450277	73.8852683829377
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134	15	10494	-283161.1413	801637.3170250766	30.67234712789922	-101.796446	258073.4923371052	4238528.073589029	3674.178740271313	3629.8393703061	3567.9985417906	3567.9985417906	62.834436519943	64.867255741809
135	15	10495	-282501.1413	801637.3170250766	30.67236670806409	-101.7941709	258274.61292145624	4238515.90587389	3670.310995780222	3627.155155251767	3622.534749697938	3621.5377377528	64.00505532733	65.8258147647367
136	15	10496	-281841.1413	801637.3170250766	30.67238598350592	-101.7918471	258475.7429700288	4238515.93426558	3665.827107183227	3624.36113836044	3558.869740887004	3557.584190594385	64.49837215159055	66.789577034948
137	15	10497	-281181.1413	801637.3170250766	30.67240504375669	-101.7895233	258676.787779307	4238515.880021326	3661.964102504237	3621.572448425095	3555.05132166548	3553.679668094245	65.49837215159055	67.8965161565564
138	15	10498	-280521.1413	801637.3170250766	30.6724241428131	-101.7871995	258876.0234682546	4238511.42774475	3656.8719345825246	3618.768308257363	3551.0005025086275	3549.598608177816	67.760785	69.1697008
139	15	10499	-279861.1413	801637.3170250766	30.672443199924784	-101.7848757	259079.0136817389	4238507.776	3598.989472897368	3615.957387362	3545.959233323585	3545.959233323585	68.975315043062	70.70716329502819
140	15	10500	-279201.1413	801637.3170250766	30.67246221068708	-101.7825519	259280.260744584	4238503.72939564	3596.15676126086	3613.134593159047	3542.59042707983	3540.715968161378	70.057110652179	72.4189654422994
141	15	10501	-278541.1413	801637.3170250766	30.67248117686815	-101.7802768	259481.3896291078	4238500.494732451	3594.7284198744	3610.98534471928	3541.8813651928	3541.8813651928	72.4189654422994	72.4189654422994
142	15	10502	-277881.1413	801637.3170250766	30.67250005976794	-101.7779044	259682.5182463591	4238495.6314047	3626.33100430769	3607.460335890646	3533.12077080004	3531.2663801147	73.3935278806705	76.1930415794656
143	15	10503	-277221.1413	801637.3170250766	30.67251897386648	-101.7755806	259883.6466233777	4238491.568881728	3618.968297315					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Kg.frt	BR ElevBoth.Kg.frt	SatThKgs	SatThBoth.frt
25	15	10585	-223101.1413	801637.3170250766	36.073914081161355	-101.5850261	27673.3839	4328159.921962428	3406.3830033833424	3345.2241965498733	3331.9093761800227	3333.580743227657	13.31420369850622	11.64345332216374
226	15	10586	-22241.1413	801637.3170250766	36.07392592301691	-101.5827022	276576.4932799339	4328158.884441723	3411.8271132	3341.861543132303	3332.295411405143	3332.295411405143	9.55693170868992	7.7204300142257125
227	15	10587	-217821.1413	801637.3170250766	36.07392843789848	-101.5803784	276777.602488096	4328157.847088381	3417.317424227733	3338.51468023229	3333.106438688178	3335.371489177487	5.835745425050754	2.17029941
228	15	10588	-22211.1413	801637.3170250766	36.073939907604	-101.5827025	276978.7171336588	4328147.88909425	3422.87068906125	3335.206266335196	3334.2152003599965	3335.206266335196	0.9910659752063111	0
229	15	10589	-220461.1413	801637.3170250766	36.07397441527956	-101.5757306	277179.8200441104	4328143.772883754	3426.426353244513	3331.87585257389	3335.1473175321394	3337.9906588000106	0	0
230	15	10590	-219801.1413	801637.3170250766	36.0739893659902	-101.5734067	277380.924721691	4328139.763032456	3433.9808162402906	3328.5060474225765	3336.517278865347	3339.41787837012	0	0
231	15	10591	-219141.1413	801637.3170250766	36.07400313044115	-101.5710828	277782.307200689	4328135.6993484935	3436.985259985885	3325.2324562375434	3337.812707410838	3340.744883	0	0
232	15	10592	-218481.1413	801637.3170250766	36.07401919455667	-101.568759	27783.144748138	4328131.662831855	3437.4396172993455	3321.92188956182	3328.823090806873	3341.601748421212	0	0
233	15	10593	-217821.1413	801637.3170250766	36.074034831252798	-101.5664851	277884.255571085	4328127.626482537	3438.8869696012	3318.8222720122607	3338.783408969717	3342.5404021234965	0	0
234	15	10594	-217161.1413	801637.3170250766	36.07404892305572	-101.5641112	278165.9014655756	4328122.590300529	3438.34635400559	3315.3341321695404	3340.5010039772693	3343.280470726993	0	0
235	15	10595	-216501.1413	801637.3170250766	36.07406356934474	-101.5617873	278386.4675116564	432819.5554	3443.470242751768	3312.058085529395	3341.1282727537767	3343.904416588758	0	0
236	15	10596	-215841.1413	801637.3170250766	36.07407827194897	-101.5594634	278587.574668838	4328115.81843824	3453.2596832230556	3308.797576632771	3341.7636457508896	3344.542784559918	0	0
237	15	10597	-215181.1413	801637.3170250766	36.0740922907922	-101.5571395	278788.6816018792	4328111.482758309	3463.049102170934	3305.552737854076	3342.1548975019477	3345.344980871	0	0
238	15	10598	-214521.1413	801637.3170250766	36.07410754	-101.5548156	278989.78831649397	4328107.447245478	3472.83521118813	3302.325168442843	3342.6523718110517	3346.477675	0	0
239	15	10599	-213861.1413	801637.3170250766	36.0741210866865	-101.5524817	279190.8948128625	4328103.411999922	3475.6517166822496	3299.17817052024	3343.708415	3347.2668665442015	0	0
240	15	10600	-213201.1413	801637.3170250766	36.074136631164166	-101.5501769	279302.0190120046	4328099.376721633	3471.504889812455	3295.9335221383785	3345.25602003545385	3348.1707602307985	0	0
241	15	10601	-212541.1413	801637.3170250766	36.074151108757135	-101.547844	279593.1075181224	4328095.34170067	3467.3529610402405	3292.775207069628	3348.915157653523	3349.054080020723	0	0
242	15	10602	-211881.1413	801637.3170250766	36.0741654146569	-101.5455201	279794.2129947756	4328091.306666833	3463.200433219236	3289.6465165357946	3348.951707693195	3351.126422520828	0	0
243	15	10603	-211221.1413	801637.3170250766	36.07417992928982	-101.5431962	279995.3186203525	4328087.272190306	3460.860903880536	3286.551636	3351.3056319005773	3353.238192790365	0	0
244	15	10604	-210561.1413	801637.3170250766	36.074194272229505	-101.5408723	280196.4240287624	4328083.237681018	3460.333425446984	3283.4936931108455	3354.084787620156	3356.678567294093	0	0
245	15	10605	-209901.1413	801637.3170250766	36.074208570291816	-101.5385844	280397.5293199955	4328079.323039695	3459.8061747053334	3280.487378506562	3356.770628125758	3358.050124445141	0	0
246	15	10606	-209241.1413	801637.3170250766	36.0742226346251	-101.5362245	280598.5634256657	4328075.196162125	3458.278918683974	3277.504949	3357.6412808362434	3358.495991473222	0	0
247	15	10607	-208581.1413	801637.3170250766	36.07423731748896	-101.5340682	280799.7838154511	4328071.351545111	3458.84848008795124	3274.5848008795124	3358.931981524401	3359.645782762007	0	0
248	15	10608	-207921.1413	801637.3170250766	36.07425119515028	-101.5315767	281000.843594147	4328067.10131407	3458.7923071436826	3271.7215212603937	3344.013808	3343.444395	0	0
249	15	10609	-207261.1413	801637.3170250766	36.07426531366731	-101.5292528	281201.94791957235	4328063.06740904	3458.643632777755	3268.920908	3333.967517822054	3343.2945386890415	0	0
250	15	10610	-206601.1413	801637.3170250766	36.07427938729973	-101.5269289	281403.0520292533	4328059.034134899	3458.494994108674	3266.1882802805586	3324.0611382549932	3343.066175868884	0	0
251	15	10611	-205941.1413	801637.3170250766	36.07429341604752	-101.524605	281604.159227109	4328055.000796081	3458.632013687704	3263.5030056835536	3314.6305627494658	3323.033902228024	0	0
252	15	10612	-205281.1413	801637.3170250766	36.07430739991064	-101.5222811	281805.2596003639	4328050.967624441	3459.0546961077863	3265.967222380582	3306.0731719482737	3305.26259808577	0	0
253	15	10613	-204621.1413	801637.3170250766	36.07432133889896	-101.5198672	282006.9036389038	4328045.3461891873	3458.477378782796	3258.461170999389	3298.702140893816	3298.702140893816	0	0
254	15	10614	-203961.1413	801637.3170250766	36.074335232962804	-101.5176335	282207.0645112183	4328042.901792715	3458.902947947	3256.984937947	3298.66534944	3298.66534944	0	0
255	15	10615	-203301.1413	801637.3170250766	36.074349602191794	-101.5153904	282408.569343838	4328038.869112537	3458.270413026926	3253.746717669767	3282.06833518865	3282.585277692248	0	0
256	15	10616	-202641.1413	801637.3170250766	36.07436289	-101.5129855	282609.67216180597	4328034.836609497	3454.58843746403	3251.527194694973	3275.5292748369284	3276.01088817534	0	0
257	15	10617	-201981.1413	801637.3170250766	36.07437646595542	-101.5106616	282810.7747651895	4328030.804	3450.9064565026797	3249.384292204574	3269.140882827137	3269.237904600908	0	0
258	15	10618	-201321.1413	801637.3170250766	36.07439036051004	-101.5083377	283011.8771542368	4328026.772104992	3447.224478240556	3247.34990506957323	3263.857788357055	3263.7048918370495	0	0
259	15	10619	-200661.1413	801637.3170250766	36.074404030017981	-101.5060138	283232.9579291596	4328022.740103413	3445.5994781244864	3245.390662559164	3258.43969388146	3258.43969388146	0	0
260	15	10620	-200041.1413	801637.3170250766	36.074417854654705	-101.5036898	283414.0812901509	4328018.70826954	3443.023387	3243.516904464384	3245.6454117231	3245.6454117231	0	0
261	15	10621	-199341.1413	801637.3170250766	36.07443123486472	-101.5013659	283651.1830374247	4328014.676906141	3443.0500026845035	3241.723520523862	3242.696913544913	3242.696913544913	0	0
262	15	10622	-198681.1413	801637.3170250766	36.074444769873804	-101.499042	283816.28457118274	4328010.645101377	3442.876608114507	3240.0058548348445	3250.2523610772428	3246.924302746955	0	0
263	15	10623	-198021.1413	801637.3170250766	36.07445820000994	-101.4967181	284017.389916265	4328006.617628239	3429.6807411361074	3238.58816194368	3248.4258622600687	3244.4236897061	0	0
264	15	10624	-197361.1413	801637.3170250766	36.07447170525514	-101.4943492	284418.4869898037	4328002.58202199	3426.8624017493053	3236.774423360097	3247.247689553425	3247.247689553425	0	0
265	15	10625	-196701.1413	801637.3170250766	36.07448510561528	-101.4920703	284418.4869898037	4327998.551603235	3244.0406236250306	3235.25677697171	3246.3999153191794	3241.7382061251692	0	0
266	15	10626	-196041.1413	801637.3170250766	36.07449846109046	-101.4897464	284620.5805751426	4327994.5027171356	3441.22572297501	3233.7077727968	3245.805437926565	3246.94782600134	0	0
267	15	10627	-195381.1413	801637.3170250766	36.074512317169507	-101.4874057	284820.990145624	4327990.490145624	3441.22572297501	3233.7077727968	3245.805437926565	3246.94782600134	0	0
268	15	10628	-194721.1413	801637.3170250766	36.07452530735954	-101.4850985	285022.8890313473	4327984.45908796	3441.3652446702476	3231.010418774552	3245.7824083789413	3237.99707915348	0	0
269	15	10629	-194061.1413	801637.3170250766	36.07453825820556	-101.4827746	285223.9893462211	4327982.492278105	3442.397705959546	3229.688583704097	3245.2549187555173	3237.240260965108	0	0
270	15	10630	-193401.1413	801637.3170250766	36.07455134413035	-101.4804507	285425.08972158	4327979.399114458	3423.43016652045	3228.3988750843637	3245.207217322474	3237.824887339008	0	0
271	15	10631	-192741.1413	801637.3170250766	36.07456546519004	-101.4781268	285626.188005362	4327974.369117854	3225.12950242991	3227.146992	3246.05360888735	3234.254515415624	0	0
272	15	10632	-192081.1413	801637.3170250766	36.0745767135455	-101.4758029	285827.2882	4327970.323282825	3427.49586761985	3225.928044995526	3245.120387771372	3232.6737232174452	0	0
273	15	10633	-191421.1413	801637.3170250766	36.0745879771931	-101.473768	286026.3674089725	4327966.31	3245.862165238978	3224.74016340694	3246.195182328796	3230.65758622096	0.5898508898972068	0
274	15	10634	-190761.											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRELEV.Kg.f	BRELEV.Kg.f	SatThkLog.s	SatThkBoth.f
351	157	-139941.1413	801637.3170250766	30.07546961926823	-101.29222109	301713.49099767353	4237652.509936122	3323.905609056815	3170.7851101404394	3200.533241010294	3218.951843686458	0
352	157	-139281.1413	801637.3170250766	30.07547911454672	-101.2988689	301914.5715256867	4237648.49444434	3312.882624125025	3170.186469709522	3201.175871703616	3218.90589749757	0
353	157	-138621.1413	801637.3170250766	30.07548424662275	-101.276819	302154.87128386	4237644.477112016	3318.869322	3200.08921	3201.089211736798	3218.892418814743	0
354	157	-137961.1413	801637.3170250766	30.07549770442996	-101.2852389	30173.73859782016	4237640.49601611	3317.835892128779	3168.974227828406	3201.0719895925	3218.1212565431	0
355	157	-137301.1413	801637.3170250766	30.0755073106076	-101.282915	302517.82244825224	4237636.449469655	3315.444014866203	3168.36064063907	3204.358649339097	3218.72361471459	0
356	157	-136641.1413	801637.3170250766	30.07551664679161	-101.280591	302718.0405929734	4237632.421944321	3312.6772530546177	3167.7419476339675	3204.85592918677	3219.453222	0
357	157	-135981.1413	801637.3170250766	30.075525917635474	-101.278267	302919.9808705176	4237628.413485165	3309.91491223216	3167.179438074837	3206.911632839072	3218.6234639584	0
358	157	-135321.1413	801637.3170250766	30.07553514359237	-101.275943	303121.06899723003	4237624.397992392	3307.1432793818134	3166.487903404352	3208.224868562696	3222.5998787322906	0
359	157	-134661.1413	801637.3170250766	30.07554324662275	-101.273619	303322.15079226804	4237620.362658966	3306.051865173146	3165.849797582531	3211.19300121196626	3224.3566896987	0
360	157	-134001.1413	801637.3170250766	30.07555346084518	-101.271251	303522.2323393606	4237616.367050693	3303.623456851796	3165.203297	3216.125512448751	3226.875462322166	0
361	157	-133341.1413	801637.3170250766	30.0755625514106	-101.268971	303724.318021428	4237612.352512304	3302.217031952147	3164.5474113886203	3220.655223690306	3229.03728012126	0
362	157	-132681.1413	801637.3170250766	30.07557159854967	-101.266471	303925.3990173878	4237608.37684987	3300.7997053425293	3163.880728563525	3226.0205840727963	3232.499787326657	0
363	157	-132021.1413	801637.3170250766	30.075584069071646	-101.264231	304126.47603797425	4237604.323	3300.051154065398	3163.203134691928	3232.0671432264503	3236.56469194728	0
364	157	-131361.1413	801637.3170250766	30.07559565703626	-101.261991	304327.5566956111	4237600.38029387	3299.971378120643	3162.5155343141823	3235.9708124689538	3238.8970434564394	0
365	157	-130701.1413	801637.3170250766	30.07559846845392	-101.259671	304528.673058007	4237596.294201084	3298.991602172947	3161.81747764798	3236.003270691939	3239.320247760366	0
366	157	-130041.1413	801637.3170250766	30.07560730331441	-101.257312	304729.71795184654	4237592.280039106	3298.811826311914	3161.108957264537	3231.744407683796	3225.84197965392	0
367	157	-129381.1413	801637.3170250766	30.07561615728776	-101.2550272	304930.78049645634	4237588.266043439	3298.92558921402	3160.3889813912956	3213.918906259865	3218.962412751879	0
368	157	-128721.1413	801637.3170250766	30.07562494337399	-101.2527302	305131.878260631	4237584.25214082	3300.2328911255468	3159.665735491371	3207.135017472191	3217.8185813134555	0
369	157	-128061.1413	801637.3170250766	30.07563366657306	-101.2503792	305332.95813557866	4237580.239	3300.540154936683	3158.914218062627	3201.088476674302	3208.574274642362	0
370	157	-127401.1413	801637.3170250766	30.07564233838491	-101.2480552	305534.3781370126	4237576.225054249	3300.847494473938	3158.159235726619	3195.668647543639	3203.62572123182	0
371	157	-126741.1413	801637.3170250766	30.075651	-101.2457312	305735.1170006204	4237572.211723635	3300.524874276523	3157.86171878694	3190.746179119517	3199.963785348739	0
372	157	-126081.1413	801637.3170250766	30.07565953984708	-101.2434072	305936.196	4237568.19655954	3300.5291271262195	3156.915792571325	3188.31232693477	3194.804762343966	0
373	157	-125421.1413	801637.3170250766	30.07566844687305	-101.241263	306132.150792156625	4237564.196	3300.5291271262195	3156.915792571325	3188.31232693477	3194.804762343966	0
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389	157	-114861.1413	801637.3170250766	30.07579884229684	-101.2038994	309354.5156993094	4237500.00198578	3262.620374951646	3142.21625769734	3132.6967213549165	3138.147410821403	0
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404	157	-10										

ix	iy	icb	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatThBoth	SatThBoth.ft
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479	15	10839	-55161.14133	801637.3170250766	-30.76731974914714	-00.984738	327450.9279451336	4327143.740073236	112.081474801548	4327147846281169	2956.4572896	2956.4515802907098	65.20210663258477	65.42338156745811
480	15	10840	-54801.14133	801637.3170250766	-30.76732391878864	-00.9924139	327651.18606624011	4327135.733000131	112.0717460071932	4327147846281169	2956.4572896	2956.4515802907098	65.20210663258477	65.42338156745811
481	15	10841	-54141.14133	801637.3170250766	-30.76732672354164	-00.9900699	327852.740363516086	4327131.757328239	112.061162658517783	432713050905419273	2954.5074980861466	2954.5074980861466	62.797592473780696	62.45626305437563
482	15	10842	-53481.14133	801637.3170250766	-30.7673213603617	-00.9877659	328053.799697591	4327127.76310748	112.05399515630427	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
483	15	10843	-52821.14133	801637.3170250766	-30.76733488382214	-00.9854418	328254.8506170147	4327123.76905401	112.04126823910404	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
484	15	10844	-52161.14133	801637.3170250766	-30.7673384646976	-00.9831178	328455.91845791633	4327119.774467334	112.031291446525214	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
485	15	10845	-51501.14133	801637.3170250766	-30.7673419914714	-00.980738	328656.74748572724	4327115.769036796	112.0212981269537	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
486	15	10846	-50841.14133	801637.3170250766	-30.76734573793045	-00.9784697	328858.036474253	4327111.75787223	112.015000945592	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
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489	15	10849	-48861.14133	801637.3170250766	-30.767355645579866	-00.9714976	329461.2192304423	4327099.83086633	112.00166175964853	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
490	15	10850	-48201.14133	801637.3170250766	-30.767358946336335	-00.9691736	329662.2701146228	4327095.810837453	112.000642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
491	15	10851	-47541.14133	801637.3170250766	-30.76736222022422	-00.9668496	329863.3281359144	4327091.818693593	112.000642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
492	15	10852	-46881.14133	801637.3170250766	-30.76736541131838	-00.9645255	330064.3859979273	4327087.82386051	112.00166175964853	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
493	15	10853	-46221.14133	801637.3170250766	-30.76736857927442	-00.9622205	330265.4436900553	4327083.83081629	112.0026450985254	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
494	15	10854	-45561.14133	801637.3170250766	-30.76737170047667	-00.9598775	330466.5016211212	4327079.837643092	112.00368884583	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
495	15	10855	-44901.14133	801637.3170250766	-30.76737477679039	-00.9575534	330667.5586733044	4327075.844871272	112.004654054517	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
496	15	10856	-44241.14133	801637.3170250766	-30.76737780821591	-00.9552294	330868.6157702495	4327071.85226326	112.005642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
497	15	10857	-43581.14133	801637.3170250766	-30.767381076452076	-00.9529054	331069.67279988725	4327067.85982187	112.006642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
498	15	10858	-42921.14133	801637.3170250766	-30.76738376400054	-00.9505813	331270.7279	4327063.767545058	112.007642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
499	15	10859	-42261.14133	801637.3170250766	-30.76738643515845	-00.9482578	331471.7866247454	4327059.875	112.008642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
500	15	10860	-41601.14133	801637.3170250766	-30.76738945021024	-00.9459333	331672.8428953534	4327055.83487233	112.009642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
501	15	10861	-40941.14133	801637.3170250766	-30.76739229201424	-00.9436092	331873.89926561876	4327051.89170611	112.010642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
502	15	10862	-40281.14133	801637.3170250766	-30.76739505410741	-00.9412852	332074.9555703895	4327047.90008403	112.011642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
503	15	10863	-39621.14133	801637.3170250766	-30.7673977132394	-00.9389612	332276.0116109816	4327043.96837628	112.012642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
504	15	10864	-38961.14133	801637.3170250766	-30.7674004326756	-00.9366371	332477.0674875438	4327039.917	112.013642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
505	15	10865	-38301.14133	801637.3170250766	-30.7674031926975	-00.9343181	332678.1220027483	4327035.92623325	112.014642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
506	15	10866	-37641.14133	801637.3170250766	-30.76740595359536	-00.9319981	332879.1787919348	4327031.935277385	112.015642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
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510	15	10870	-35001.14133	801637.3170250766	-30.76741553486584	-00.9226929	333683.3991373135	4327015.91049651	112.019642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
511	15	10871	-34341.14133	801637.3170250766	-30.76741789259178	-00.920368	333884.4540478057	4327011.962804838	112.020642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
512	15	10872	-33681.14133	801637.3170250766	-30.76742026169075	-00.9180476	334085.508194855	4327007.9016544	112.021642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
513	15	10873	-33021.14133	801637.3170250766	-30.76742247487714	-00.9157208	334286.5628979556	4327004.00321794	112.022642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
514	15	10874	-32361.14133	801637.3170250766	-30.7674247	-00.9133968	334487.6172764799	4327000.01384183	112.023642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
515	15	10875	-31701.14133	801637.3170250766	-30.76742687645903	-00.9110727	334688.6714	4326996.02415701	112.024642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
516	15	10876	-31041.14133	801637.3170250766	-30.76742901011168	-00.9087487	334889.752286345	4326992.034812338	112.025642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
517	15	10877	-30381.14133	801637.3170250766	-30.76743108887566	-00.9064247	335080.77994911514	4326988.05467088	112.026642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
518	15	10878	-29721.14133	801637.3170250766	-30.76743314275101	-00.9041006	335291.8325079147	4326984.05670947	112.027642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
519	15	10879	-29061.14133	801637.3170250766	-30.76743519172763	-00.9017624	335492.889193671	4326980.05913671	112.028642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
520	15	10880	-28401.14133	801637.3170250766	-30.76743709583554	-00.8994425	335693.933711257	4326976.07204938	112.029642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
521	15	10881	-27741.14133	801637.3170250766	-30.767439055044854	-00.8971128	335894.992490587	4326972.079072053	112.030642062332	432713050905419273	2953.892243	2953.892243	61.79071842235149	61.46517938420193
522	15	10882	-27081.14133	801637.3170250766	-30.767440369365456	-00.8948045	336096.0445452954	4326968.10245245	112.031642062332	432713050905419				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogK.ft	BRIElevBotK.ft	LatBotK.ft	SurfBotK.ft
603	15	10963	26378.8586730335	801637.3170250766	-90.7644280382845	-100.7065573	352380.82157489744	4326645.956549349	2398.1782978226975	38.2608657995868	2818.717419561333	2818.8875756528946	17.308916238505844	17.1330901469415
604	15	10964	27038.8586730335	801637.3170250766	-90.76440987272335	-100.7042332	35281.862050508	4326641.621743787	2937.038315437597	38.234489188720375	2817.17408465501793	2817.307609890727	17.320384221527093	17.18730978
605	15	10965	27398.8586730335	801637.3170250766	-90.7643912582781	-100.7049351	35309.14165717144	4326637.6447102693	2938.898330823486	38.23444641751163	2815.8438011011724	2815.9638329443376	17.33034297433076	17.5030740343067
606	15	10966	28358.8586730335	801637.3170250766	-90.7643721194403	-100.6993551	35329.346616151	4326633.672625764	2938.75835637937	38.231461124827	2813.52091194625804	2813.56364956909	17.8482314992287	17.8327165493286
607	15	10967	29018.8586730335	801637.3170250766	-90.76435268271844	-100.6972611	35318.98427375846	4326629.698313285	2938.08740541033	38.2297.7611372133	2811.6105164273877	2811.6119384546036	18.1588973447361	18.1517573266164
608	15	10968	29678.8586730335	801637.3170250766	-90.76433217160955	-100.6949371	353386.0226707755	4326625.72615147	2938.789744412585	38.228.14770205842	2809.6711819507536	2809.5801229127995	18.4637255805844	18.56447891732705
609	15	10969	30338.8586730335	801637.3170250766	-90.764312116144	-100.6926213	353887.0624613906	4326621.750181353	2938.6886134371076	38.226.4971048795205	2807.4549319278876	2807.4549319278876	19.04217295	19.1646156648039
610	15	10970	30998.8586730335	801637.3170250766	-90.7642914527323	-100.690289	353788.1021096357	4326617.778	2940.485243235676	38.223.818785117136	2804.944218075084	2804.842275905364	19.8826657905627	19.8986021174382
611	15	10971	31658.8586730335	801637.3170250766	-90.7642701446934	-100.687845	353789.47887167144	4326613.80270672	2940.38798484866	38.222.352370148314	2803.216827420378	2803.216827420378	20.3353271453458	20.1984027119838
612	15	10972	32318.8586730335	801637.3170250766	-90.7642453883075	-100.685409	353490.190878321	4326609.825125805	2938.3979129877	38.221.46097	2799.325259145215	2799.102965310337	22.1361124048535	22.357871853765483
613	15	10973	32978.8586730335	801637.3170250766	-90.764221827655	-100.6831169	353491.220021886	4326605.85589338	2938.39677002872	38.219.758672721365	2796.394732360332	2796.113465450646	23.62427678108784	23.62427678108784
614	15	10974	33638.8586730335	801637.3170250766	-90.76420358233686	-100.680929	354592.2592299397	4326601.882772086	2937.061752089182	38.215.081547	2793.4867281013174	2793.136974914024	24.56237278022636	24.92047102606616
615	15	10975	34298.8586730335	801637.3170250766	-90.764184250215	-100.678668	354793.2982244154	4326597.309729117	2934.25386845548	38.216.340249439875	2790.509322904125	2790.288821225631	25.62271714962545	26.04142821424206
616	15	10976	34958.8586730335	801637.3170250766	-90.7641568728197	-100.676348	354994.337020760	4326593.36989425	2932.911271694895	38.214.63179018647	2787.710081295454	2787.48191790527	26.997776640653	27.1494806888977
617	15	10977	35618.8586730335	801637.3170250766	-90.7641328717316	-100.6740207	355195.37587812996	4326589.64225999	2932.581174963535	38.213.3389508507	2784.9746651292535	2784.7321915174527	27.968893803763422	28.2017075425102
618	15	10978	36278.8586730335	801637.3170250766	-90.764108417572	-100.671697	355396.414194763	4326585.91720834	2932.25013015747	38.211.259524123963	2782.2957664003287	2782.403977767332	28.96357174534085	29.215546856368
619	15	10979	36938.8586730335	801637.3170250766	-90.7640832289604	-100.6693727	355597.4557066674	4326582.915979192	2931.068321445774	38.209.628416874782	2779.995309889027	2779.177367389803	29.63311288672938	30.054048596269
620	15	10980	37598.8586730335	801637.3170250766	-90.7640581751487	-100.6670486	355798.49006636	4326578.047023232	2930.667722917417	38.208.66236844486	2777.4341021084274	2776.52963623623	30.6327175021911	31.5372673216542
621	15	10981	38258.8586730335	801637.3170250766	-90.7640323785151	-100.6647246	355999.528022899	4326575.01937464	2927.0037123489064	38.206.60903444713	2774.931928897407	2774.931928897407	32.6354827425737	32.6354827425737
622	15	10982	38918.8586730335	801637.3170250766	-90.7640061329955	-100.662406	356200.5668582044	4326570.10701282	2925.09471353	38.205.29335612417	2772.348678600095	2771.481136150823	31.6777434247603	33.8754250234796
623	15	10983	39578.8586730335	801637.3170250766	-90.763978345896	-100.6600765	356401.604074367	4326563.1165853	2923.8501318616014	38.203.87373392908	2769.752543200083	2768.706813214906	33.9853307282847	35.2671920713109
624	15	10984	40238.8586730335	801637.3170250766	-90.7639527590454	-100.6577259	356602.6423505419	4326562.1601387495	2922.64405065257	38.203.1357356114375	2768.33561168861073	2766.325813539038	35.3884817530615	36.93194811760991
625	15	10985	40898.8586730335	801637.3170250766	-90.76392715617796	-100.655428	356803.57887167144	4326559.18267142	2922.456798801875	38.202.256798801875	2766.256798801875	2766.256798801875	36.5832968134654	37.5832968134654
626	15	10986	41558.8586730335	801637.3170250766	-90.7638966505515	-100.6531044	357004.17128538	4326552.217591723	2921.918877033960	38.201.457776531485	2762.005220667644	2761.373173894362	36.94055549538413	37.0290393876966
627	15	10987	42218.8586730335	801637.3170250766	-90.7638682	-100.6507804	357205.750545	4326548.2664484	2922.37304737545	38.200.7335931692587	2759.731384641787	2759.02768217738	41.00220857471794	41.0022085712084
628	15	10988	42878.8586730335	801637.3170250766	-90.7638323326894	-100.6484564	357406.791665538	4326546.27570417	2920.89051848375	38.200.9372417835	2757.5451241501028	2756.98134853157	42.49402668075	43.0572927
629	15	10989	43538.8586730335	801637.3170250766	-90.763808455471	-100.6461323	357607.828475564	4326542.3500202112	2919.40738388993	38.200.7335931692587	2755.747505017284	2754.93668952182	43.6623018727241	44.0379834033905
630	15	10990	44198.8586730335	801637.3170250766	-90.763780089247	-100.6438093	357808.856912265	4326538.3446578	2918.743934944075	38.200.7335931692587	2754.4773885510927	2754.2229998003646	44.23978992	44.94415968831987
631	15	10991	44858.8586730335	801637.3170250766	-90.7637547243875	-100.641484	358009.19243875	4326534.36496178	2917.925436496178	38.200.7335931692587	2753.7714381017916	2753.7714381017916	45.3831885171587	45.3831885171587
632	15	10992	45518.8586730335	801637.3170250766	-90.7637289805712	-100.6391602	358210.33989712	4326530.3989712	2917.14289304471	38.200.7335931692587	2753.41105332981	2753.41105332981	46.7256726136659	47.7377307102196
633	15	10993	46178.8586730335	801637.3170250766	-90.7637038570866	-100.6368362	358411.9752947459	4326526.4384369	2916.44982104674	38.200.7335931692587	2752.721827330027	2752.721827330027	48.848585570035	49.53822959
634	15	10994	46838.8586730335	801637.3170250766	-90.7636756173631	-100.6345122	358613.0114	4326522.43596814	2916.7756575	38.200.7335931692587	2749.81300320166	2749.81300320166	50.058595919603	51.432235079041
635	15	10995	47498.8586730335	801637.3170250766	-90.7636241	-100.6321881	358814.07427499	4326518.484254031	2915.49171726955	38.200.7335931692587	2748.678389205134	2748.678389205134	51.9613931095619	52.461778156566
636	15	10996	48158.8586730335	801637.3170250766	-90.7635915626785	-100.6298641	359051.0837610574	4326515.415	2915.49171726955	38.200.7335931692587	2747.5089257632973	2747.5089257632973	53.854878974904	54.9802023235062
637	15	10997	48818.8586730335	801637.3170250766	-90.763563883771	-100.6275401	359261.1919	4326510.545381025	2915.49171726955	38.200.7335931692587	2747.150378670287	2747.150378670287	55.9882916865959	57.348237088607
638	15	10998	49478.8586730335	801637.3170250766	-90.7635361571796	-100.625216	359471.155291874	4326506.54910298	2914.42841931684	38.200.7335931692587	2746.42841931684	2746.42841931684	57.9831885171587	58.9831885171587
639	15	10999	50138.8586730335	801637.3170250766	-90.7634913	-100.622892	359681.1909567256	4326502.800738507	2913.0850391339845	38.200.7335931692587	2745.0384246654	2745.0384246654	59.9831885171587	60.9831885171587
640	15	11000	50798.8586730335	801637.3170250766	-90.763465641394	-100.620568	359819.2264778845	4326498.63144815	2912.504194754315	38.200.7335931692587	2744.03711832737	2744.03711832737	61.9831885171587	62.9831885171587
641	15	11001	51458.8586730335	801637.3170250766	-90.763422178915	-100.6182439	360020.26180386	4326494.6941815	2912.0298916785	38.200.7335931692587	2743.0391959604272	2743.0391959604272	63.9831885171587	64.9831885171587
642	15	11002	52118.8586730335	801637.3170250766	-90.763386055886	-100.6159199	360221.29700416	4326490.7048594	2911.5885018158325	38.200.7335931692587	2742.03783967491695	2742.03783967491695	65.9831885171587	66.9831885171587
643	15	11003	52778.8586730335	801637.3170250766	-90.7633512844006	-100.6135999	360422.3206872013	4326486.733448049	2911.03367362619	38.200.7335931692587	2741.037792924385	2741.037792924385	67.9831885171587	68.9831885171587
644	15	11004	53438.8586730335	801637.3170250766	-90.7633151634382	-100.6112718	360632.3669979034	4326482.76420539	2910.58167382202	38.200.7335931692587	2740.037792924385	2740.037792924385	69.9831885171587	70.9831885171587
645	15	11005	54098.8586730335	801637.3170250766	-90.7632798505424	-100.6089628	360842.40582038	4326478.78695054	2910.03367362619	38.200.7335931692587	2739.037792924385	2739.037792924385	71.9831885171587	72.9831885171587
646	15	11006	54758.8586730335	801637.3170250766	-90.7632416	-100.6066238	361025.434580238	4326474.8282775						

ix	iy	x	Xrft	Y.rft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.	BRELEVLogKrg.	SatThLogKrg.	SatThBoth.
729	15	11089	10958.85687307335	801637.3170250766	30.75860421274115	-100.4137303	30717.86284798535	4326146.062819311	373.766973803631	267.7783321866013	2654.622302084605	2654.713883351985	19.156030101996294	19.06694385140281
730	15	11090	11158.85687307335	801637.3170250766	30.7585254879763	-100.41140637	30719.886945605	4326142.10845441	275.8757167499412	267.4057485208132	2653.542365628032	2653.4756184565055	18.87672692781035	18.93413287031074
731	15	11091	11368.85687307335	801637.3170250766	30.7584545410534	-100.3951385	30719.918623695	4326138.15454527	276.9718627984637	267.0304870084263	2651.944145309426	2651.8637810999306	19.53904098821664	19.7477030912607
732	15	11092	11158.85687307335	801637.3170250766	30.75857387	-100.4067583	30719.93463521363	4326134.260017465	275.71142071769962	266.9407338278013	2648.358261986904	2649.03116	20.25454178310746	20.60961748
733	15	11093	112178.85687307335	801637.3170250766	30.75830026	-100.4044343	30719.958329601	4326130.246343248	275.7502857395777	266.840664278897	2646.8748854855357	2646.615224010722	21.36577879361187	21.6254026812424
734	15	11094	112838.85687307335	801637.3170250766	30.758261001593	-100.4021103	30719.978190678016	4326126.294334425	275.739029461157	266.6340434772511	2644.25382795865	2644.1563845183266	22.67606812646332	22.67638545148584
735	15	11095	113498.85687307335	801637.3170250766	30.7581491301065	-100.3997863	30719.99705367005	4326122.346001766	275.6764711238241	266.5410436702889	2641.75479911447	2641.651451526829	23.66265745891748	23.65689214304953
736	15	11096	114158.85687307335	801637.3170250766	30.75801712299636	-100.3947623	30719.9810271086404	4326118.386900316	275.6419107897285	266.5791006403552	2639.25208921704	2639.25208921704	24.42711936005684	24.42711936005684
737	15	11097	114818.85687307335	801637.3170250766	30.75793946410534	-100.3951385	30719.97593946410534	4326114.434	275.6255599012255	266.521192314536	2638.63007405493	2638.63007405493	25.867696385498205	25.867696385498205
738	15	11098	115478.85687307335	801637.3170250766	30.75781915303374	-100.3928143	30719.97054945475	4326110.432029612	275.6075797272124	266.5122318482226	2639.694867000462	2632.905214261183	30.33746407475634	22.1131775870314
739	15	11099	116138.85687307335	801637.3170250766	30.7576837656947	-100.3904903	30719.9804455476	4326106.8281922	275.6111559867102	266.523800764902	2627.443162770515	2630.316548977646	32.0808379943896	29.20725178725524
740	15	11100	116798.85687307335	801637.3170250766	30.7575575521774	-100.3881663	30719.992210923386	4326102.576	275.14106663199	266.501590345756	2625.9705782898	2628.6726541391	32.0363952458537	29.3432492442126
1	16	1101	-370941.1413	802297.3170250766	30.75710717096471	-102.1055775	30719.9520035067	4329269.844126555	4071.975834042963	368.523233836653	3883.9040910912564	3883.512382308993	4.88821452380011	4.887134105562401
2	16	1102	-370281.1413	802297.3170250766	30.7572691259358	-102.1023539	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	3.976251411026973	3.976251411026973
3	16	1103	-369621.1413	802297.3170250766	30.7572507234584	-102.1009302	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	2.9166131555931723	2.9166131555931723
4	16	1104	-368961.1413	802297.3170250766	30.757217719	-102.0980606	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	1.9166131555931723	1.9166131555931723
5	16	1105	-368301.1413	802297.3170250766	30.75719225722023	-102.0962829	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	1.785520899416498	1.92279215703444
6	16	1106	-367641.1413	802297.3170250766	30.75712322442274	-102.0939563	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
7	16	1107	-366981.1413	802297.3170250766	30.757135226287475	-102.091356	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
8	16	1108	-366321.1413	802297.3170250766	30.75713717979585	-102.0893119	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
9	16	1109	-365661.1413	802297.3170250766	30.757104208844725	-102.0869883	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
10	16	1110	-365001.1413	802297.3170250766	30.757142695404017	-102.084646	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
11	16	1111	-364341.1413	802297.3170250766	30.7571700935697	-102.0821332	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
12	16	1112	-363681.1413	802297.3170250766	30.75717464905961	-102.0800173	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
13	16	1113	-363021.1413	802297.3170250766	30.75710510124696	-102.0778936	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
14	16	1114	-362361.1413	802297.3170250766	30.757152586774904	-102.07573	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
15	16	1115	-361701.1413	802297.3170250766	30.757150548897797	-102.0730463	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
16	16	1116	-361041.1413	802297.3170250766	30.7571575065329654	-102.0707726	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
17	16	1117	-360381.1413	802297.3170250766	30.757168683680484	-102.0683888	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
18	16	1118	-359721.1413	802297.3170250766	30.75717342301154	-102.0659895	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
19	16	1119	-359061.1413	802297.3170250766	30.757164852512083	-102.0637516	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
20	16	1120	-358401.1413	802297.3170250766	30.757167292	-102.0614279	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
21	16	1121	-357741.1413	802297.3170250766	30.75716972397289	-102.0591402	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
22	16	1122	-357081.1413	802297.3170250766	30.757172180151514	-102.0567086	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
23	16	1123	-356421.1413	802297.3170250766	30.757174584322486	-102.0544698	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
24	16	1124	-355761.1413	802297.3170250766	30.7571700935697	-102.0521332	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
25	16	1125	-355101.1413	802297.3170250766	30.75717424303118	-102.0498905	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
26	16	1126	-354441.1413	802297.3170250766	30.75718183058813	-102.0474858	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
27	16	1127	-353781.1413	802297.3170250766	30.75718424328706	-102.0451621	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
28	16	1128	-353121.1413	802297.3170250766	30.7571866481108295	-102.0428385	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
29	16	1129	-352461.1413	802297.3170250766	30.757189047405168	-102.0405148	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
30	16	1130	-351801.1413	802297.3170250766	30.7571914422117146	-102.0381917	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
31	16	1131	-351141.1413	802297.3170250766	30.75719368301568	-102.0359112	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
32	16	1132	-350481.1413	802297.3170250766	30.757196218362611	-102.0334577	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
33	16	1133	-349821.1413	802297.3170250766	30.75719859075676	-102.03122	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
34	16	1134	-349161.1413	802297.3170250766	30.75720095671135	-102.0288963	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
35	16	1135	-348501.1413	802297.3170250766	30.75720334336463	-102.0265726	30719.95261840012524	4329265.79	407.1629571800313	387.0922447789676	3883.4400493160356	3883.115991673200	0	0
36	16	1136	-347841.1413	802297.3170250766	30.757205716808371	-102.0242489	30719.95261840012524	4329265.79	407.1629571800					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
115	116	1215	-295071.1413	802297.3170250766	36.0737859974467285	-101.840672	254256.0227364451	423806.330935604	3732.8261800651376	381.2162817277551	3608.184097	3609.417267274372	73.0321834525114	71.79901403317885
116	116	1216	-295041.1413	802297.3170250766	36.07386062675654	-101.8383482	254457.1574535086	423802.074722101	3732.336473506248	3678.62974606487	3606.226767646665	3607.425718894241	72.40230896149978	71.20335771
117	116	1217	-295081.1413	802297.3170250766	36.07382619641249	-101.8386243	254568.2919913662	423827.6119647913	3731.8481779772287	3675.03099410369	3604.41526479485	3605.911789727287	71.81537416793018	71.119186817998196
118	116	1218	-295271.1413	802297.3170250766	36.07384610505783	-101.837005	254589.4260245783	423879.163	3731.357060384673	3672.42197044553	3602.8885119670185	3604.137278176827	70.5387781743676	69.28841776077258
119	116	1219	-293061.1413	802297.3170250766	36.073866058821636	-101.8313767	255060.56017436972	423879.107089547	3729.3840703514247	3670.8029380024877	3602.540135	3607.459738382147	68.2628034455759	68.3449907037067
120	116	1220	-292401.1413	802297.3170250766	36.07382619641249	-101.8290529	255251.6939013905	423876.195154335	3726.9778976512424	3668.173580108655	3601.621794676295	3601.323761783409	66.2658132484618	66.8491832484618
121	116	1221	-291741.1413	802297.3170250766	36.07390583170441	-101.8267291	255462.82738707477	423878.9196	3722.017523210334	3665.534351525788	3600.486475331126	3600.057913	66.1766719367562	65.47648393040482
122	116	1222	-291081.1413	802297.3170250766	36.073925650823334	-101.8244053	255663.96063007804	423877.949073825	3718.01524809632	3662.885474119794	3599.2961114362574	3598.960831130675	63.58936060511955	63.92644329
123	116	1223	-290481.1413	802297.3170250766	36.073945452958968	-101.8228184	255865.2919913662	423877.9386	3716.3038917772987	3660.271585594817	3598.507689921543	3597.739146769418	61.958681369894	62.49201778096196
124	116	1224	-289761.1413	802297.3170250766	36.073965154411601	-101.8197576	255966.22539040838	423879.831071482	3717.337482255416	3657.589012996437	3597.274915221204	3596.476322201295	60.28469078439336	61.08259779300965
125	116	1225	-289101.1413	802297.3170250766	36.07396843888699	-101.8174338	256267.35890814575	423876.716737272	3717.3071006932328	3654.88287604098	3595.710322571888	3594.258116706932	57.156513160999	60.62847157104915
126	116	1226	-288441.1413	802297.3170250766	36.07400447846159	-101.81511	256468.4911845381	423876.721842255	3710.3045645116453	3652.196714169573	3593.9658816166116	3592.20271085822	58.23202552965694	59.99401231105503
127	116	1227	-287781.1413	802297.3170250766	36.07402047319161	-101.8127861	256669.6231297887	423877.963	3698.953497605306	3649.499649612172	3591.2433464089233	3589.433754	58.2563049185628	60.065899385188
128	116	1228	-287121.1413	802297.3170250766	36.07404632031977	-101.8104623	256870.75501710357	423875.613286098	3694.0178105407674	3646.791929172334	3588.6058512168192	3586.389135994934	56.7801795514975	60.40279317470078
129	116	1229	-286461.1413	802297.3170250766	36.07406313	-101.8081385	257071.8856769867	423875.2595953682	3688.0821176054217	3647.439695344888	3585.414342330365	3584.488508973473	56.6959541804926	58.98499567173943
130	116	1230	-285801.1413	802297.3170250766	36.07408258803207	-101.8058147	257273.70178074314	423874.505402924	3684.146425953767	3641.3450653396184	3582.1528901443024	3581.247768309074	54.15220419531601	60.0970795869094
131	116	1231	-285141.1413	802297.3170250766	36.07412020321253	-101.8034808	257474.14895347724	423874.451	3678.70681655258	3638.606138992573	3577.739687877574	3577.67650607986	53.98727200481561	60.9265883485692
132	116	1232	-284481.1413	802297.3170250766	36.074121733512774	-101.801167	257675.27978609424	423877.39817928	3671.671083607943	3635.857264900296	3575.241177722246	3573.7881795394157	51.61608717890527	61.975495051411
133	116	1233	-283821.1413	802297.3170250766	36.07414068930925	-101.7988432	257876.41037880088	423873.344389397	3671.816085526296	3633.098618486137	3571.652534667245	3569.885152605407	51.4473601968919	63.13466421366775
134	116	1234	-283161.1413	802297.3170250766	36.074159979466984	-101.7965193	258077.5407173633	423873.291655385	3667.801755116286	3630.330336	3568.0284401755816	3565.9969489672154	50.23109567862187	63.3337815699438
135	116	1235	-282501.1413	802297.3170250766	36.0741792	-101.794195	258278.67048529088	423875.23869042	3664.1582952455	3627.55209486826	3564.367004988674	3562.761905368785	48.18598114578481	65.29123549578208
136	116	1236	-281841.1413	802297.3170250766	36.0741984558263	-101.7918716	258479.80791548582	423875.115	3660.6770158389	3624.7668112009887	3560.637917899011	3558.3411482538467	44.12889330197778	65.1420948745205
137	116	1237	-281181.1413	802297.3170250766	36.07421761498984	-101.7895378	258679.70315570512	423875.0086363017	3657.1584943222413	3621.87168431472	3558.960112589912	3556.92017223871	41.4555143029136	61.914551476929164
138	116	1238	-280521.1413	802297.3170250766	36.07423652789466	-101.787224	258882.59570020215	423873.100590294	3653.716265714034	3619.169248875719	3552.680957312135	3550.719258100123	46.8571531443732	64.8499377559573
139	116	1239	-279861.1413	802297.3170250766	36.0742557081445	-101.7849001	259083.1880833174	423870.92556249	3647.9596944720035	3616.380143924705	3548.500139668027	3546.413833999172	66.87831747347373	69.94402859925529
140	116	1240	-279201.1413	802297.3170250766	36.074274720157106	-101.7825763	259284.2178273826	423870.976802295	3639.927141191395	3613.537878319048	3544.1581228316913	3541.962677829579	63.46754052021341	71.57520054232509
141	116	1241	-278541.1413	802297.3170250766	36.07429386851742	-101.7802524	259485.44658015832	423870.94	3631.894647719845	3610.706994290435	3539.6748197335846	3537.419465794031	71.03217456	73.2875248640841
142	116	1242	-277881.1413	802297.3170250766	36.07431260799534	-101.777928	259686.5745905646	423869.672	3623.86214210582	3607.864336434758	3535.0626019627393	3532.719273263427	72.801734201878	75.1424008181545
143	116	1243	-277221.1413	802297.3170250766	36.07433148459984	-101.7756406	259887.70315570512	423869.672	3617.1584943222413	3605.92461823214	3533.3295461823214	3530.92461823214	72.801734201878	75.1424008181545
144	116	1244	-276561.1413	802297.3170250766	36.07435031630387	-101.7732809	260088.831122885	423869.769	3610.10671275856	3602.143735194373	3532.03808363371	3530.042669810299	73.132504810114	75.1424008181545
145	116	1245	-275901.1413	802297.3170250766	36.074369103134416	-101.7709571	260289.85859520942	423868.71752624	3613.9734703439515	3599.365153952286	3528.80789	3518.02826284563	74.854225217	81.2376524306552
146	116	1246	-275241.1413	802297.3170250766	36.07438784508239	-101.7686332	260491.0863450488	423868.6665919	3611.574673560191	3596.376370115831	3515.60992604016943	3512.8805216037	80.74664371413659	83.39137573422107
147	116	1247	-274581.1413	802297.3170250766	36.07440654214782	-101.7663094	260692.2136051283	423867.615660735	3609.80505309307	3593.4753609240333	3510.692159285761	3507.8880683087283	82.7820316751596	85.58729254330501
148	116	1248	-273921.1413	802297.3170250766	36.07442513430665	-101.763985	260893.3401909968	423867.615660735	3608.615539480183	3590.564330540833	3508.7524121973747	3502.8339426597827	81.84179145310853	87.7032609
149	116	1249	-273261.1413	802297.3170250766	36.0744438163083	-101.7616817	261094.46470104584	423867.514688382	3607.430514829254	3587.64316689515	3507.628859737	3497.91144044766	86.86807169671875	89.73205294
150	116	1250	-272601.1413	802297.3170250766	36.07446234049058	-101.7593378	261295.6309565745	423867.463574351	3606.245490525147	3586.994401226494	3506.15650145095	3496.71803141	87.86807169671875	91.4555143029136
151	116	1251	-271941.1413	802297.3170250766	36.0744808158315	-101.7570139	261496.702558577	423867.418244235	3601.055928019331	3581.7702671217475	3501.1234821577023	3487.9478113883	90.0458910369248	93.00458910369248
152	116	1252	-271281.1413	802297.3170250766	36.07449932453186	-101.7546901	261697.84832312668	423867.36390583	3591.8617427407127	3578.8221780449094	3486.7080113118604	3484.474348443265	92.14116673340893	94.3469356164427
153	116	1253	-270621.1413	802297.3170250766	36.0745177820047	-101.7523662	261888.9271655774	423867.313	3582.6672766794623	3576.67239938063	3482.5454517565857	3480.47324277065	93.3182462742065	95.40894891831933
154	116	1254	-269961.1413	802297.3170250766	36.07453616489094	-101.7500424	262100.9707684147	423867.263291954	3573.67326591821	3572.88866527194	3478.674220240323	3474.6126541661038	94.1295746492176	96.1476200111568
155	116	1255	-269301.1413	802297.3170250766	36.0745550289456	-101.7477718	262301.1233434317	423867.21362549	3567.8881430764895	3567.81830764895	3475.1807622542025	3473.40672382494	92.70738081109292	96.7478184534556
156	116	1256	-268641.1413	802297.3170250766	36.07457279601528	-101.7453394	262502.342650698	423867.16440007	3565.911278142967	3565.911278142967	3474.190617770061	3470.5303767984514	93.72066138	95.289013585434
157	116	1257	-267981.1413	802297.3170250766	36.074590474079774	-101.7430092	262703.59277827726	423867.1170232584	3563.94789024394	3563.94789024394	3473.190617770061	3470.5303767984514	93.72066138	95.289013585434
158	116	1258	-267321.1413	802297.3170250766	36.0746092474079774	-101.7407489	262904.59277827726	423867.06567308	3561.9728142967	3561.9728142967	3473.190617770061	3470.5303767984514	93.72066138	95.289013585434
159	116	1259	-266661.1413	802297.3170250766	36.074627460679856	-101.7384231	263105.72250557							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThLogs.f	SatThBoth.f
241	16	11341	-121541.1413	802297.3170250766	30.6759636905032	-101.5478625	27997.146674793643	4328296.571389858	3477.4371130505842	3293.613511993375	3351.6784644276618	3354.517921321896	0	0
242	16	11342	-121881.1413	802297.3170250766	30.70979809	-101.5455385	27978.25231739005	4328292.536331291	3474.500440479363	3290.51021278159	3354.325493801493	3356.75944807722	0	0
243	16	11343	-121221.1413	802297.3170250766	30.6759636905032	-101.5478625	27997.146674793643	4328296.571389858	3477.4371130505842	3293.613511993375	3351.6784644276618	3354.517921321896	0	0
244	16	11344	-120561.1413	802297.3170250766	30.70979809	-101.5455385	27978.25231739005	4328292.536331291	3474.500440479363	3290.51021278159	3354.325493801493	3356.75944807722	0	0
245	16	11345	-209901.1413	802297.3170250766	30.716820123892126	-101.5385667	28041.568112218	4328280.3421582215	3468.303315566836	3281.414069898357	3366.1095946840474	3367.82455781336	0	0
246	16	11346	-209241.1413	802297.3170250766	30.7603537423025	-101.5362427	28060.62729232825	4328276.367769386	3467.009637415906	3278.468150091392	3371.233596453817	3372.948265731913	0	0
247	16	11347	-208581.1413	802297.3170250766	30.76049686068244	-101.5339188	28080.7370780346	4328272.363547963	3465.5611604592727	3275.5716395318595	3365.388127579799	3365.2590228008135	0	0
248	16	11348	-207921.1413	802297.3170250766	30.76063479682777	-101.5315948	28104.88187195921	4328268.329493943	3463.9578846969353	3272.730393561146	3353.00621565244	3352.3944016832	0	0
249	16	11349	-207261.1413	802297.3170250766	30.76077688701574	-101.5297678	28125.96602793075	4328264.838767524	3462.9493898945978	3269.9493898945978	3341.451898968516	3340.873440369154	0	0
250	16	11350	-206501.1413	802297.3170250766	30.7609191268966	-101.5269489	281407.0896334504	4328260.251889048	3460.751133	3267.234773611585	3330.746173502655	3330.71232950027	0	0
251	16	11351	-205841.1413	802297.3170250766	30.7610597179197	-101.524623	281608.19368419965	4328256.228336254	3458.5662716015527	3264.5880474352302	3320.8124834434366	3320.24175939813	0	0
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289	16	11389	-180861.1413	802297.3170250766	30.76606817078814	-101.436378	289249.872972881	4328103.077322022	3357.289860383167	3209.391469336866	3222.8675013185557	3194.532096718296	0	0.87916995164988
290	16													

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThkLog.s	SatThkBoth.ft
367	11467	-123981.1413	802297.3170250766	36.0774278466042	-101.2550385	304849.8189955373	3277789.470204571	3296.56850877517	3160.642737653604	3212.2674660813454	3218.12156237459	0
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389	11489	-114861.1413	802297.3170250766	36.077612482033	-101.2039484	309419.6843846	3277701.20093443	3256.125854143828	3143.1923412511726	3132.9341251171756	3140.82731405437247	4.71708791791
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407	11507	-102981.1413	802297.3170250766	36.07774826751615	-101.1620763	312977.864038806	3276629.302914664	3242.525430724787	3125.3677461315674	3103.598740847983	3105.07738388774	20.7699270878027
408	11508	-102321.1413	802297.3170250766	36.07775518572544	-101.1597522	313178.73187936	3276625.03184892	3242.34902627688	3124.42423696944	3104.4501333217486	3104.91540634959575	19.75959824532317
409	11509	-101661.1413	802297.3170250766	36.0777649440076	-101.1574963	313380.09686136	3276621.03649418	3241.789147578548	3123.649127578548	3103.484217578548	3103.484217578548	19.75959824532317
410	11510	-101001.1413	802297.3170250766	36.07776536392799	-101.1551041	313581.0806933915	3276617.01761005	3241.59629634308	3122.54857111568	3103.51916938323	3105.697401810257	17.02932728244703
411	11511	-100341.1413	802297.3170250766	36.077774384848	-101.1527801	313782.152568889	3276613.07048877	3241.23249709119084	3121.67407863634	3103.757301421912	3106.04243343764	16.81439441721832
412	11512	-99681.1413	802297.3170250766	36.0777792859353	-101.150456	313983.2471775556	3276609.04074855	3240.47305795544	3120.689590133375	3104.228522508219	3104.633158901767	15.56477071166067
413	11513	-99021.1413	802297.3170250766	36.077786043013226	-101.1481319	314184.2956456025	3276604.99751263	3240.516405019182	3119.766613555974	3099.673100246881	3099.963513384977	14.90263122747616
414	11514	-98361.1413	802297.3170250766	36.07779254343994	-101.1458079	314385.36933172704	3276600.991144225	3240.598750728306	3118.8459701977026	3098.768271806312	3093.924531778974	14.2143818728485
415	11515	-97701.1413	802297.3170250766	36.0778009288579	-101.1434638	314596.486	3276597.98612882	3240.08879786473	3117.9268997876473	3097.730462731565	3096.455207802215	30.1785698741161
416	11516	-97041.1413	802297.3170250766	36.07780904541914	-101.1411597	314787.5005959585	3276597.98612882	3240.08879786473	3117.9268997876473	3097.730462731565	3096.455207802215	30.1785698741161
417	11517	-96381.1413	802297.3170250766	36.07781262								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatHtKgs.ft	SatHtBoth.ft
493	16	11593	-46221.14133	802297.3170250766	39.078181187463215	-100.9622055	330269.43699197234	4327285.012339094	3136.4463914165326	2999.699488203476	2961.1999995706227	2961.097772	347249924972493
494	16	11594	-45561.14133	802297.3170250766	39.07818430874437	-100.9598814	330470.4974563892	4327281.019	3135.0768487606283	2990.9846677642254	2960.9773352376073	2961.0773352376073	3732645195
495	16	11595	-44941.14133	802297.3170250766	39.07818763813508	-100.9576374	330671.542494849	4327277.0230689	3133.4551856920496	2987.565092078106	2961.0773352376073	2961.0773352376073	3732645195
496	16	11596	-44241.14133	802297.3170250766	39.07819041663754	-100.9552233	330872.6112578349	4327273.03352702	3131.581420048674	2995.57739089011	2950.7834041065443	2950.7834041065443	4723601675775
497	16	11597	-43581.14133	802297.3170250766	39.07819303243969	-100.9529092	331073.6861152907	4327269.049018865	3129.7037618301273	2994.2118440417144	2943.9568111198023	2943.9568111198023	50.8888434207126
498	16	11598	-42921.14133	802297.3170250766	39.07819634497191	-100.9505851	331274.724807489	4327265.048	3127.833843753886	2992.841407863394	2940.97752320023	2940.97752320023	51.66384383373435
499	16	11599	-42261.14133	802297.3170250766	39.07819924180452	-100.948261	331475.7813346424	4327261.056201575	3125.5251788370404	2991.4653435237076	2939.464401037146	2939.464401037146	52.22884281289035
500	16	11600	-41601.14133	802297.3170250766	39.07820039374741	-100.9459369	331676.8376969573	4327257.04091109	3122.7816418070763	2990.083810581166	2937.953932471722	2937.953932471722	52.1250835644373
501	16	11601	-40941.14133	802297.3170250766	39.07820490080566	-100.9436126	331877.8639849356	4327253.02146081	3120.038107401446	2988.9486786829484	2936.6312540263575	2936.6312540263575	51.66384383373435
502	16	11602	-40281.14133	802297.3170250766	39.07820765269532	-100.9412887	332107.9500272997	4327249.080364502	3117.294571848204	2987.298611	2935.6005202117963	2935.6005202117963	51.66384383373435
503	16	11603	-39621.14133	802297.3170250766	39.07821038023897	-100.9389646	332280.0506968305	4327245.08750332	3114.437852931883	2985.8947245260324	2934.7169534355026	2934.7169534355026	50.8875216309118
504	16	11604	-38961.14133	802297.3170250766	39.07821305262288	-100.9366405	332481.0616	4327241.097301577	3111.46717722756	2984.482702122451	2934.4835866032749	2934.4835866032749	49.9991155192423
505	16	11605	-38301.14133	802297.3170250766	39.07821568011703	-100.9343164	332682.11174303767	4327237.106	3108.4966921532883	2983.06723228036	2933.6115888271314	2933.6115888271314	49.1511709597024
506	16	11606	-37641.14133	802297.3170250766	39.07821826721242	-100.9319923	332883.1272	4327233.114900282	3105.526465840024	2981.6358120229787	2933.141908	2933.141908	48.24239203046996
507	16	11607	-36981.14133	802297.3170250766	39.078220800436064	-100.9296862	333084.12727347869	4327229.133477275	3103.081938661267	2980.201938661267	2932.962385236624	2932.962385236624	47.20239203046996
508	16	11608	-36321.14133	802297.3170250766	39.07822332326902	-100.9273442	333285.282785787	4327225.13160153	3101.03364245077	2978.71487557465	2932.1991411378354	2932.1991411378354	46.30235081791916
509	16	11609	-35661.14133	802297.3170250766	39.07822574119603	-100.9250201	333486.37339845	4327221.142358754	3099.02891208892	2977.0337833888	2931.58764852857	2931.58764852857	45.3526811044523
510	16	11610	-35001.14133	802297.3170250766	39.07822814424136	-100.922696	333687.92736845	4327217.15208232	3097.8635793736544	2976.8635793736544	2931.2605922224525	2931.2605922224525	44.603011113191
511	16	11611	-34341.14133	802297.3170250766	39.07823050239691	-100.9203719	333888.446611674	4327213.16719249	3094.6536390735663	2974.4801765751903	2930.32884534241	2930.32884534241	43.7853824676021
512	16	11612	-33681.14133	802297.3170250766	39.07823281566266	-100.9180478	334089.0136116004	4327209.17166524	3091.326825717	2972.7620146113523	2930.1218139362042	2930.1218139362042	42.829096682758
513	16	11613	-33021.14133	802297.3170250766	39.07823530840364	-100.9157237	334290.5580403624	4327205.18705141	3089.1728841934	2971.494600610606	2929.343246790145	2929.343246790145	41.8119030435173
514	16	11614	-32361.14133	802297.3170250766	39.07823780372481	-100.9133996	334491.669675248	4327201.191091092	3086.057171125293	2969.424249930478	2928.128079121697	2928.128079121697	40.915481918048
515	16	11615	-31701.14133	802297.3170250766	39.078240306121205	-100.9110618	334692.78469621	4327197.0230689	3083.02482575443	2967.94873544327	2927.02482575443	2927.02482575443	40.00022371100276
516	16	11616	-31041.14133	802297.3170250766	39.07824162	-100.9087514	334893.7172425545	4327193.121851953	3080.17370891402	2967.162031664006	2926.640560220587	2926.640560220587	39.1562081382174
517	16	11617	-30381.14133	802297.3170250766	39.07824370864556	-100.9064273	335094.7709338694	4327189.232516861	3077.882585757989	2965.737181953914	2926.175883734341	2926.175883734341	38.25167261960474
518	16	11618	-29721.14133	802297.3170250766	39.07824575257155	-100.9041032	335295.8246302387	4327185.24383064	3068.64141411885	2964.322476718738	2926.6404324652	2926.6404324652	37.351268143040725
519	16	11619	-29061.14133	802297.3170250766	39.07824775160871	-100.9017791	335496.8763722222	4327181.25414559	3066.136362487098	2962.9163500712216	2926.015511538195	2926.015511538195	36.4203809269666
520	16	11620	-28401.14133	802297.3170250766	39.07824970575605	-100.899445	335697.9307416688	4327177.256611337	3063.44842586728	2961.516357078057	2925.738798757474	2925.738798757474	35.21984469972621
521	16	11621	-27741.14133	802297.3170250766	39.07825167515305	-100.8971308	335898.963869571	4327173.02326567	3060.42348232657	2960.201938661267	2925.738798757474	2925.738798757474	34.273243
522	16	11622	-27081.14133	802297.3170250766	39.07825359381825	-100.8948059	336100.0367712374	4327169.77500708	3057.03212705963	2958.27073899297	2925.27073899297	2925.27073899297	33.25051685214806
523	16	11623	-26421.14133	802297.3170250766	39.0782552885914	-100.8924827	336301.089105399	4327165.29193285	3054.31076595118	2957.3314054452226	2924.832812964207	2924.832812964207	32.33362684991909
524	16	11624	-25761.14133	802297.3170250766	39.07825770347118	-100.8901586	336502.1457120233	4327161.303051115	3055.310565515451	2956.83362986204	2923.466513634895	2923.466513634895	31.467193136091
525	16	11625	-25101.14133	802297.3170250766	39.078258	-100.8878345	336703.1938797751	4327157.31074187	3053.84206421384	2954.5325802882376	2922.58106433196	2922.58106433196	30.42176555
526	16	11626	-24441.14133	802297.3170250766	39.0782604795378	-100.8855104	336904.260280031	4327153.12762492	3051.881555947137	2953.1267405068	2921.66391956408	2921.66391956408	29.461391956408
527	16	11627	-23781.14133	802297.3170250766	39.07826212787229	-100.8831863	337105.2980169073	4327149.33961621	3049.3688999437281	2951.71270126458	2921.41842942349	2921.41842942349	28.50680129785822
528	16	11628	-23121.14133	802297.3170250766	39.0782637225099	-100.8808623	337306.3496469454	4327145.354	3047.662348375443	2950.204282573	2921.41842942349	2921.41842942349	27.55874465226692
529	16	11629	-22461.14133	802297.3170250766	39.0782653203985	-100.8785382	337507.4051157206	4327141.384818727	3045.963867500719	2948.870153212501	2920.6413075435684	2920.6413075435684	26.61700110032581
530	16	11630	-21801.14133	802297.3170250766	39.0782667828883	-100.8762141	337708.45302974037	4327137.37678825	3043.265305128935	2947.4442710373114	2920.59082195755	2920.59082195755	25.7147164
531	16	11631	-21141.14133	802297.3170250766	39.07826823864797	-100.87389	337909.5040383408	4327133.39062233	3041.528440563843	2946.014620608316	2920.07752482005	2920.07752482005	24.8258712482678
532	16	11632	-20481.14133	802297.3170250766	39.07826965411727	-100.8715659	338110.15556	4327129.40381768	3039.743523304118	2944.5810514603522	2920.364104308763	2920.364104308763	23.9140514603522
533	16	11633	-19821.14133	802297.3170250766	39.07827102496676	-100.8692918	338311.606616372	4327125.417206474	3037.926502529992	2943.143416478996	2919.470157006478	2919.470157006478	23.01675627448303
534	16	11634	-19161.14133	802297.3170250766	39.0782725305927	-100.8669177	338512.5674954161	4327121.40716352	3036.202810814667	2941.701665	2920.423789782975	2920.423789782975	22.13654771544415
535	16	11635	-18501.14133	802297.3170250766	39.07827403917698	-100.8646383	338712.7171078	4327117.0197	3034.66144689907	2940.148393673382	2920.148393673382	2920.148393673382	21.2587446802738
536	16	11636	-17841.14133	802297.3170250766	39.07827487039514	-100.8622695	338914.7581731797	4327113.453251173	3032.26603214134	2939.80523793243	2919.8141481432797	2919.8141481432797	20.4860333580567
537	16	11637	-17181.14133	802297.3170250766	39.07827606	-100.8599454	339115.8092	4327109.472	3030.917	2937.348509436935	2919.265843845499	2919.265843845499	19.7525122184276
538	16	11638	-16521.14133	802297.3170250766	39.078277720424592	-100.8576213	339316.8548310816	4327105.48640763	3030.55896822456	2935.885647893264	2918.67312025618	2918.67312025618	18.9263673136
539	16	11639	-15861.14133	802297.3170250766	39.07827935486144	-100.8552972	339517.90631992	4327101.500724249	3030.0445958037	2934.6146437482605	2918.67312025618	2918.67312025618	18.0963673136
540	16	11640	-15201.14133	802297.3170250766	39.07827936	-100.8529731	339718.9596474236	4327097.515243652	3030.508216898235	2932.94079210544	2918.03670185624	2918.03670185624	17.2657025192859
541	16	11641	-14541.14133	802297.3170250766	3								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtElev.f	SatHtBoth.f
619	16	11719	39898.8586730335	002927.3170250766	30.7822096148359	-100.6693694	555601.4270103696	4326783.181845491	2928.0518824144265	2780.881925951935	2780.0310236834466	29.412188523870554	30.26390923397998
620	16	11720	39898.8586730335	002927.3170250766	30.7821842644824	-100.6670454	555802.4605755445	4326779.209528148	2926.1265675890956	2780.75962273917	2778.1641815212538	30.8117045582232	31.45342521330998
621	16	11721	39898.8586730335	002927.3170250766	30.7821584891685	-100.6657462	555903.5030690276	4326775.23735791126	2924.2012527791126	2807.35160821533	2774.63160821106	31.6357046372014	32.700385575021
622	16	11722	39898.8586730335	002927.3170250766	30.7821322229795	-100.6623972	556204.540755713	4326771.053623973	2922.759370260246	2806.043070220646	2772.02303520632	37.171558299679373	33.01913501
623	16	11723	39878.8586730335	002927.3170250766	30.7821055	-100.660731	556405.57843196	4326767.239366246	2920.9850830832936	2804.861515609303	2770.306825425143	37.698286680107634	35.5475286678885
624	16	11724	40238.8586730335	002927.3170250766	30.7820783839208	-100.6577749	556606.619371368	4326763.327	2920.3266130832936	2803.802631518286	2767.562768312717	36.2404540391325	37.1904641036903
625	16	11725	40988.8586730335	002927.3170250766	30.782050910454	-100.6554249	556807.6530377896	4326759.35407068	2918.6721681390944	2802.85115466664	2764.804255	37.16343511089875	38.04689952066428
626	16	11726	41558.8586730335	002927.3170250766	30.78202274527264	-100.6531108	557008.69053132844	4326755.39	2919.0157231773045	2801.9823354056916	2762.0685269794167	37.2163405032923	39.1380426274954
627	16	11727	4218.8586730335	002927.3170250766	30.7819945866023	-100.6507671	557209.7819198867	4326751.407910226	2917.769513948698	2801.1746473679133	2760.432091158985	47.14256520785204	42.37710365575021
628	16	11728	4278.8586730335	002927.3170250766	30.7819653	-100.6484626	557410.7646952096	4326747.436906272	2908.409481586108	2777.020904412527	2756.51483113076	43.383814210242	43.8464247303192
629	16	11729	43538.8586730335	002927.3170250766	30.7819678610305703	-100.6461285	557711.8013814576	4326743.466407023	2914.079566843753	2799.671365971292	2755.035353875046	47.54961072208303	45.0204129403973
630	16	11730	44198.8586730335	002927.3170250766	30.78190609319364	-100.6438044	557812.8315641025	4326739.54949423	2912.67158943412684	2796.948646517804	2753.6647966809373	53.534513431044	45.28218796079318
631	16	11731	44858.8586730335	002927.3170250766	30.7818758063435	-100.6414803	558016.748697558	4326735.42885705	2909.632662456583	2798.2159364829675	2752.906392569675	52.780630754317	45.56653105150324
632	16	11732	45118.8586730335	002927.3170250766	30.7818360171783	-100.6391562	558214.9110873026	4326731.55	2906.22163401584	2797.42730989426	2752.456062254114	52.7524746989734226	44.8550373837357
633	16	11733	46178.8586730335	002927.3170250766	30.7818138777255	-100.6368322	558415.9473466467	4326727.58436463	2904.45584882839	2797.191873996206	2751.855267424986	47.3747498463328	46.0023840436635
634	16	11734	46838.8586730335	002927.3170250766	30.7817622547753	-100.6345081	558616.9384689202	4326714.1344114	2899.302337171019	2795.23741179537	2750.07471412617	45.1638705275987	44.90140273691786
635	16	11735	47498.8586730335	002927.3170250766	30.78175017292864	-100.632184	558818.0194537014	4326710.64404945	2896.919419341745	2793.91525455677	2748.2447453472431	47.4848044081317	45.2670924583457
636	16	11736	48158.8586730335	002927.3170250766	30.7817176421849	-100.6298599	559019.055031549	4326707.684049315	2894.581674445893	2792.5622802721355	2746.725188582695	47.4848044081317	45.837091684597
637	16	11737	48818.8586730335	002927.3170250766	30.7816846625446	-100.6275358	559220.091025517	4326711.7052618795	2893.8547044166107	2791.1980903524876	2744.882017521088	45.65386048547945	45.45405889369301
638	16	11738	49478.8586730335	002927.3170250766	30.7816512340075	-100.6252117	559421.1268690114	4326707.739227044	2892.32586564225	2789.83178926217	2737.871523689405	51.6654563399515	51.9592755727264
639	16	11739	50138.8586730335	002927.3170250766	30.7816167356739	-100.6228876	559622.16202432373	4326703.767280035	2890.134347470015	2788.463371620107	2736.570206020616	52.76968197620578	51.88827156
640	16	11740	50788.8586730335	002927.3170250766	30.7815833032437	-100.6205635	559822.19732652014	4326699.76975672	2887.2262136417087	2787.097260614259	2737.1283236430745	53.76685936718455	50.42672714628356
641	16	11741	51438.8586730335	002927.3170250766	30.781549232154	-100.6182023	560024.248514081	4326695.82122554	2884.43259717538	2786.434091735892	2736.540411735892	54.1021741716196	51.88827156
642	16	11742	52118.8586730335	002927.3170250766	30.7815130309406	-100.6159153	560225.267520212	4326691.860129437	2881.5786374901267	2784.368285787955	2738.770406205212	54.5970516714318	45.8917525019504
643	16	11743	52778.8586730335	002927.3170250766	30.7814773576454	-100.6135913	560426.30421622636	4326687.89197317	2878.512336159464	2783.042015085309	2739.201870398896	54.8002450464139	43.956131752019504
644	16	11744	53438.8586730335	002927.3170250766	30.7814412359587	-100.6112672	560627.33717502153	4326683.93218254	2875.231625247794	2781.640791365045	2739.259661033164	54.23451300317286	44.3325131017096
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646	16	11746	54758.8586730335	002927.3170250766	30.7813676454387	-100.606619	561029.4602871806	4326675.96963948	2868.670230494017	2778.916440073917	2738.213175032456	54.73823700654564	40.703265173525
647	16	11747	55418.8586730335	002927.3170250766	30.7813297376545	-100.604289	561229.4064695203	4326672.7919	2866.88579368186	2777.5576069880747	2738.23706988387	40.703265173525	40.703265173525
648	16	11748	56178.8586730335	002927.3170250766	30.7812917076741	-100.6019708	561431.474860127	4326668.05136447	2864.051726993127	2776.25170951217	2736.1811243434184	48.8899303	40.891460579321
649	16	11749	56738.8586730335	002927.3170250766	30.78125338933824	-100.5996467	561632.5809449004	4326664.03813977	2861.306845445419	2774.862354	2733.6280433176	53.7331954825165	41.234309637061
650	16	11750	57398.8586730335	002927.3170250766	30.7812157076414	-100.5973226	561833.5429	4326660.1162861	2859.0201641903195	2773.52725034859	2731.982117919335	53.7331954825165	41.234309637061
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653	16	11753	59378.8586730335	002927.3170250766	30.7810959539559	-100.5903504	562438.64343413854	4326648.21542579	2856.89520020117	2769.59833777711	2725.8456797408967	53.7331954825165	41.234309637061
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657	16	11757	62018.8586730335	002927.3170250766	30.7809308015247	-100.581054	563240.7768	4326632.493307875	2852.675136577035	2764.372084545781	2732.183039657053	53.7331954825165	41.234309637061
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659	16	11759	63338.8586730335	002927.3170250766	30.7808455397173	-100.576459	563642.8424558575	4326624.47317164	2849.159424	2761.809314099199	2735.838409766855	53.7331954825165	41.234309637061
660	16	11760	63998.8586730335	002927.3170250766	30.780802354707	-100.574018	563843.8751	4326620.45107435	2846.40649535214	2760.5326105053484	2734.934794252362	53.7331954825165	41.234309637061
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662	16	11762	65318.8586730335	002927.3170250766	30.78072142802928	-100.569138	564245.309395562	4326612.52056809	2842.0209902062	2757.9147003547	2732.65316719514	53.7331954825165	41.234309637061
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664	16	11764	66638.8586730335	002927.3170250766	30.7806425295355	-100.5647854	564648.0024280026	4326604.590232306	2836.544151341943	2755.4557096325	2731.785256307727	53.7331954825165	41.234309637061
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666	16	11766	67958.8586730335	002927.3170250766	30.78056329811997	-100.5601373	565050.0680						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
1	17	11845	-368301.1413	802957.3170250766	30.073114682649385	-102.096315	232133.7551925202	4239454.82965644	4065.33470770763993	3822.91371586575863	3880.006405499307	3789.8692770205985	2903.7013662790345	0
6	17	11846	-367641.1413	802957.3170250766	30.07313971824821	-102.0939181	232334.91771748796	4239450.7504621352	4063.417736050941	3881.5886091895083	3880.6409915278196	3881.588636858113	0.947817661	10.048233075431199
7	17	11847	-366921.1413	802957.3170250766	30.0731468912459	-102.091967	232536.078762147	4239453.979758321	4061.831576924723	3880.25933	3881.309646841678	3881.30969726985	0	0
8	17	11848	-366321.1413	802957.3170250766	30.07318964	-102.089349	232737.24197048944	4239450.605064457	4060.75250676254	3878.9252573024824	3882.570248439087	3882.6073873568	0	0
9	17	11849	-365661.1413	802957.3170250766	30.073214526243326	-102.0870202	232938.40369893162	4239438.530540017	4059.32088242290374	3877.586656987243	3883.5517245839033	3883.556238308369	0	0
10	17	11850	-365001.1413	802957.3170250766	30.07323937248556	-102.0846964	233139.5651627248	4239434.456473141	4058.065351811771	3876.24182302578	3880.744115624631	3880.864328174484	0	0
11	17	11851	-364341.1413	802957.3170250766	30.0732641738495	-102.0823727	233340.726360742	4239430.382	4055.3140245365	3874.8948237847785	3880.754509433426	3881.064337158206	0	0
12	17	11852	-363681.1413	802957.3170250766	30.0732889033556	-102.080049	233541.7842498308	4239426.30781857	4051.070489735668	3873.541415946552	3880.65006307845	3881.164568068313	0	0
13	17	11853	-363021.1413	802957.3170250766	30.07331364	-102.078167	233743.078677997	4239422.23134255	4048.8259515393887	3872.194018978444	3880.865786980321	3881.458741766761	0	0
14	17	11854	-362361.1413	802957.3170250766	30.07333830672604	-102.076416	233944.2056875535	4239418.16045873	4042.580691	3870.82356978484	3881.335005203033	3881.34854500103354	0	0
15	17	11855	-361701.1413	802957.3170250766	30.0733629052364	-102.0730778	234145.36850567683	4239414.086946696	4037.03063412245	3869.064719685397	3882.084904334452	3882.69113819113	0	0
16	17	11856	-361041.1413	802957.3170250766	30.073387507496314	-102.0707541	234346.5283679213	4239410.01360724	4035.194496185822	3868.094924094445	3883.103695997974	3883.750145469844	0	0
17	17	11857	-360381.1413	802957.3170250766	30.07341203959055	-102.0684304	234547.68800011562	4239405.354435947	4031.68530580453647	3866.7280279274205	3884.49501545836	3885.12300243528	0	0
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19	17	11859	-359061.1413	802957.3170250766	30.07346096914358	-102.0637629	234950.00643671607	4239397.79401956	4024.80479121911833	3863.9888874455005	3886.8362658009886	3887.940491517543	0	0
20	17	11860	-358401.1413	802957.3170250766	30.07348536660221	-102.0614692	235151.1652603372	4239393.71183971	4021.5804348340193	3862.81641371729	3887.920234031247	3888.60914689699	0	0
21	17	11861	-357741.1413	802957.3170250766	30.07350972	-102.0591354	235352.3228111478	4239389.64944677	4018.3529674768554	3861.24183818492	3887.294081	3888.21232598704	0	0
22	17	11862	-357081.1413	802957.3170250766	30.07353406883806	-102.0568117	235553.48211925017	4239385.57119782	4015.125480119296	3859.8651036728083	3884.204748059566	3885.01727196794	0	0
23	17	11863	-356421.1413	802957.3170250766	30.07355828970567	-102.054488	235754.601459256	4239381.50466409	4011.544373205236	3858.486731325016	3880.4190254972946	3881.210602101715	0	0
24	17	11864	-355761.1413	802957.3170250766	30.07358265765056	-102.0521462	235955.7979284204	4239377.42779463	4007.16668733489	3857.10668871397	3876.57427083239	3877.3240968308708	0	0
25	17	11865	-355101.1413	802957.3170250766	30.0736038608715784	-102.0498405	236156.9594396664	4239373.36116026	4003.674902061207	3855.24789088918	3872.852563731764	3873.574183448366	0	0
26	17	11866	-354441.1413	802957.3170250766	30.07363080950215	-102.047167	236358.1126948937	4239369.289517124	3998.740187389994	3854.340537667825	3865.246326546184	3870.046115	0	0
27	17	11867	-353781.1413	802957.3170250766	30.073657984492015	-102.044584	236559.2180274267	4239365.198282344	3995.8536467532557	3853.283467532557	3864.104415370462	3871.23431323134	0	0
28	17	11868	-353121.1413	802957.3170250766	30.07367893053821	-102.042862	236760.4254040374	4239361.14672507	3993.624004040393	3851.562962159718	3862.26550219091	3863.070967	0	0
29	17	11869	-352461.1413	802957.3170250766	30.07370262147806	-102.0405455	236961.58289630634	4239357.07581579	3974.192470200475	3850.1684383117174	3858.9468570116464	3859.65068549704	0	0
30	17	11870	-351801.1413	802957.3170250766	30.073726872858394	-102.0382217	237162.73097381572	4239353.04069764	3964.760491002136	3848.769481002136	3855.809381454724	3856.49075583495	0	0
31	17	11871	-351141.1413	802957.3170250766	30.07375077666177	-102.035898	237363.8951174582	4239348.93305027	3956.767939713702	3847.369960788282	3852.707026762403	3853.458067642243	0	0
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33	17	11873	-349821.1413	802957.3170250766	30.073798449672015	-102.0312567	237766.20652807167	4239340.70670866	3943.654658932314	3844.570978794786	3839.4534470456811	3840.26986451129	4.266192411665975	5.13631030667446
34	17	11874	-349161.1413	802957.3170250766	30.07382221876148	-102.029827	237967.12211463	4239337.724411463	3937.1015924716198	3843.70115924716198	3842.098503776222	3841.012006817	12.7589555167283	0
35	17	11875	-348501.1413	802957.3170250766	30.07384594303628	-102.026603	238168.156287954	4239332.652280578	3931.132362354533	3841.768302818022	3819.722821208797	3820.89109681121	20.026102688142562	20.0775886711208
36	17	11876	-347841.1413	802957.3170250766	30.073869622431815	-102.0242792	238369.67036306394	4239328.852270624	3925.730093312652	3840.364815382745	3810.344690148163	3811.155379881112	22.204025234581883	29.2043935
37	17	11877	-347181.1413	802957.3170250766	30.073889356948026	-102.0219555	238570.82531375435	4239325.51236908	3918.78213825538	3838.9592703594692	3801.567621795485	3802.30945692672	37.391691398841	36.6491330568731
38	17	11878	-346521.1413	802957.3170250766	30.07391684654844	-102.0196317	238771.9794375006	4239320.443	3914.925546115244	3837.551210615386	3793.723455682763	3794.32354002647517	43.7226017618432	43.2267961784132
39	17	11879	-345861.1413	802957.3170250766	30.07394031342224	-102.0173079	238973.1330210074	4239316.3740343	3908.1007173080114	3836.140350529597	3787.9374800819984	3787.77350261775	48.968592682612	48.3662190884474
40	17	11880	-345201.1413	802957.3170250766	30.07396389122015	-102.0149842	239174.26897774267	4239312.30419528	3898.851705058347	3834.725212138746	3783.101441537402	3784.144275779407	51.6240076	51.5811945616129
41	17	11881	-344541.1413	802957.3170250766	30.073987346521804	-102.0126604	239375.4403	4239307.300372675	3891.603227	3833.306780036341	3780.403712569108	3780.3411276117	52.90348779430265	52.965564979194116
42	17	11882	-343881.1413	802957.3170250766	30.07401075633753	-102.010336	239576.5934293857	4239304.166134279	3883.34540954959	3831.883289595702	3780.20587896537	3780.07072386165	52.6759060164655	52.82327871908337
43	17	11883	-343221.1413	802957.3170250766	30.07403121576844	-102.0080129	239777.1671299636	4239299.39373022	3878.688119804764	3830.453605191766	3778.8721547945015	3779.62507929871	51.8820572467508	51.822901126165084
44	17	11884	-342561.1413	802957.3170250766	30.07405741936496	-102.0056891	239978.89874487676	4239296.02755381	3880.603424278024	3829.019268190937	3778.88873907308	3778.45642006744	50.130494283539065	50.4112618419262
45	17	11885	-341901.1413	802957.3170250766	30.07408077146151	-102.003653	240179.930319458	4239291.85391348	3881.5185290593184	3827.577214077144	3778.2512584712135	3778.4509474501506	48.9525660650084	48.9525660650084
46	17	11886	-341241.1413	802957.3170250766	30.07410394801567	-102.001415	240381.2031155041	4239287.85025938	3882.437336736544	3827.79147260088	3778.979408480141	3778.979408480141	47.189327799532	47.189327799532
47	17	11887	-340581.1413	802957.3170250766	30.07412713372205	-101.999318	240583.5828641818	4239283.150137614	3881.5185290593184	3827.577214077144	3778.2512584712135	3778.4509474501506	46.12618419262	46.12618419262
48	17	11888	-339921.1413	802957.3170250766	30.07415027457794	-101.996394	240783.5046515442	4239279.760525982	3880.89959537477	3827.2007038311027	3777.9718885085	3776.99887410991	45.221514807	45.221514807
49	17	11889	-339261.1413	802957.3170250766	30.07417137053874	-101.9940702	240984.5677394383	4239275.68625751	3882.2398059012166	3827.7223780545523	3777.3286051630967	3774.7891488583287	44.39622789064524	44.39622789064524
50	17	11890	-338601.1413	802957.3170250766	30.0741964216196	-101.9917464	241115.8087661872	4239271.67047955	3885.9781586756	3820.23266668877	3776.860516234166	3775.978157268473	43.3660110456192	43.3660110456192
51	17	11891	-337941.1413	802957.3170250766	30.07421942720665	-101.9894227	241386.9595374922	4239267.55252811	3882.7236627490487	3818.7304414739382	3776.443924060487	3775.199259750306	42.60218923951	42.60218923951
52	17	11892	-337281.1413	802957.3170250766	30.07424298141666	-101.9870989								

ix	iy	icr	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElev.f	SatThBoht.f
131	17	11971	-285141.1413	802957.3170250766	30.75914509231374	-101.8035157	257478.20782428284	4328942.706373468	365.417179680716254	358.949498923195	3581.0422179204174	3579.7015868908012	57.942771199888101
132	17	11972	-284841.1413	802957.3170250766	30.759333840821104	-101.8011198	257678.338484811	432893.5856516094	367.7995051726172	357.9332441117246	357.9332441117246	357.9332441117246	60.569225258739704
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138	17	11978	-280521.1413	802957.3170250766	30.7604916210936	-101.7872844	258886.1174000806	432889.14339084215	360.56037949543	3619.363166781738	354.3280301326295	355.1973644665885	65.232369410843
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177	17	12017	-254781.1413	802957.3170250766	30.76759110915475	-101.6966155	266739.973006316	432785.46741455	3488.1440025051334	3488.1440025051334	3437.9091963225544	3437.9091963225544	52.560348962378
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgs.Kg.	BR ElevBothKgs.	SatThtLogs.ft	SatThtBoth.ft
257	12	12097	-201981.1413	802957.3170250766	30.780071762568796	-101.5109698	282818.8484307977	432843.2596962084	3440.4253857544636	3251.445565202379	3280.0564860758545	3280.6195254218984	0	0
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266	17	12106	-196041.1413	802957.3170250766	30.78123363803638	-101.4897086	284628.75911840055	4328366.96964262	3396.272326917003	3235.24073998114	3256.168101856916	3251.5357011317283	0	0
267	17	12107	-195381.1413	802957.3170250766	30.7813685912384	-101.4874655	284829.85920479246	4328392.938579695	3394.856625434413	3233.70506769991	3255.3612134368714	3250.256430446888	0	0
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272	17	12112	-192081.1413	802957.3170250766	30.78202778112774	-101.4758364	285835.3566727011	4328372.798	3405.902193689924	3226.9517586910915	3251.701903279407	3242.487813626384	0	0
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278	17	12118	-188121.1413	802957.3170250766	30.7828035644598	-101.4618921	287041.9466	4328358.607999878	3401.110265615407	3219.9090115654462	3237.531553623269	3221.81186183857	0	0
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284	17	12124	-184161.1413	802957.3170250766	30.7835631881013	-101.4479479	288248.5290103133	4328324.34576683	3378.677592670713	3213.76248878104	3226.858797258189	3210.879262373208	2.8869895045095825	
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287	17	12127	-182181.1413	802957.3170250766	30.7839363400796	-101.4409758	288851.8173829887	4328312.352044134	3371.1766221726114	3210.954154515911	3222.023262172025	3207.38351488482	3.575803024827194	
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289	17	12129	-180861.1413	802957.3170250766	30.78418386373535	-101.4363277	289254.0086901452	4328304.297	3344.9679521157086	3209.167353732541	3222.861254034804	3192.028362067566	17.138991664975038	
290	17	12130	-180201.1413	802957.3170250766	30.7843036522147	-101.4340036	289455.1038197983	4328300.269835344	3331.863617072506	3208.2996545791527	3221.4045001690547	3190.955457244216	17.343819754731158	
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293	17	12133	-178221.1413	802957.3170250766	30.784672324377795	-101.4270315	290067.12883128885	4328288.1891341135	3294.58626845645	3205.793900784411	3218.458464620475	3174.7621749502914	21.554756457999916	
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297	17	12137	-175581.1413	802957.3170250766	30.7851536029472	-101.4177352	290862.765234753	4328272.08387414	3239.360732	3202.66258820542	3213.132156920882	3176.1431697697626	26.51920912291598	
298	17	12138	-174821.1413	802957.3170250766	30.7852728	-101.4154112	291163.8588613907	4328268.0579772135	3224.69437819154207	3201.917533435026	3212.822323302727	3174.689052008694	27.24948023416937	
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301	17	12141	-172941.1413	802957.3170250766	30.7856276994286	-101.408439	291667.1383576182	4328255.981289829	3203.538031156276	3199.775816308643	3203.538031156276	3178.616345652702	27.51592765594064	
302	17	12142	-172281.1413	802957.3170250766	30.7857451013462	-101.406115	291868.2351231272	4328251.950661782	3198.038637326247	3198.038637326247	3198.038637326247	3178.43853232336	19.6001109942857	
303	17	12143	-171621.1413	802957.3170250766	30.78586821	-101.4037909	292029.32693152394	4328247.931	3202.523673815283	3198.42000897993	3202.523673815283	3179.016830722216	19.4079172758473	
304	17	12144	-170961.1413	802957.3170250766	30.78597858583616	-101.4014668	292270.416	4328243.90610767	3162.993141	3197.770364628337	3209.2404089540427	3177.913699500744	20.450665172864795	
305	17	12145	-170301.1413	802957.3170250766	30.7860946139881	-101.3991428	292471.508657919							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThLogKgr.ft	SatThBoth.ft
337	1223	-118821.1413	802957.3170250766	39.79376390295295	-101.2178641	30566.0864591267	4279296.467167767	3264.2836442765715	3147.847608996803	3154.2272707745237	0.668624672862762	0	0	
384	1226	-118161.1413	802957.3170250766	39.79343449592534	-101.2155399	308357.1631335924	4279122.455624049	3261.0563457614526	3146.94699584592	3144.15085072752368	28.1330846137298	0	0	
385	1226	-118161.1413	802957.3170250766	39.79362436399975	-101.2158178	309764.6946271675	4279218.4444	3257.8290472645338	3146.078465188584	3144.2853243623894	4.792418217816071	0	0	
386	1226	-116841.1413	802957.3170250766	39.7940043351744	-101.2108917	308359.3159717003	4279214.103338328	3145.182646058919	3143.190007290794	3144.836586596776	6.9926387549124925	0.34596046215210663	0	
387	1227	-116181.1413	802957.3170250766	39.7940835814542	-101.2085676	308960.3920277516	4279102.412993707	3252.2705165515067	3144.2822504686196	3135.0421305669655	31.480590839927	8.240119899	2.476342068692702	
388	1228	-115521.1413	802957.3170250766	39.7941623788369	-101.2062435	309161.468	4279096.41116571	3250.835307072093	3143.37503833018	3131.8550676930243	31.8055635293633	51.119502029380513	0	
389	1228	-114861.1413	802957.3170250766	39.7942047273218	-101.2039194	309362.5436848785	4279200.40405067	3260.4001848629123	3142.460814915093	3128.6200922	31.6454676163636	13.689826960559427	7.81730312787898	
390	1230	-114201.1413	802957.3170250766	39.794318260903	-101.2019593	30963.6193232524	4279386.398961892	3247.96501011615	3141.540067625094	3125.300861286185	39.039793560336	15.5746732829095	10.560814068185895	
391	1231	-113541.1413	802957.3170250766	39.7945960755962	-101.1992715	309764.6946271675	4279218.4444	3257.8290472645338	3146.078465188584	3121.9061276534376	31.26249773071698	18.70886963075103	14.116446154949765	
392	1232	-112881.1413	802957.3170250766	39.7944743703912	-101.1969471	30965.765761867	4279290.36272395	3246.7678048717	3139.82135240525	3118.52409251442	31.7104733909122	21.1590640520248	16.89767531150287	
393	1233	-112221.1413	802957.3170250766	39.794546322852	-101.1946229	310166.847529167	4279886.39527754	3242.546340413384	3138.74374661952	3115.168593286103	31.1903693664086	23.5753136384892	19.65029797866144	
394	1234	-111561.1413	802957.3170250766	39.79462573628106	-101.1922988	310367.9196	4279822.349	3240.6659071829517	3137.860145934317	3115.97476619467	31.2582579673964107	22.2267952093191	0	
395	1235	-110901.1413	802957.3170250766	39.7947013913786	-101.1899747	31068.99416710925	4279878.339639155	3238.775719781604	3136.851267467129485	3109.0360707314184	31.51261977724985	24.53119673623052	24.53119673623052	
396	1236	-110241.1413	802957.3170250766	39.7947776	-101.1876506	310770.0686	4279873.3304090484	3238.877505	3135.897811675064	3106.524163300971	31.0910699691029	29.37368734093136	26.79082073173786	
397	1237	-109581.1413	802957.3170250766	39.7948513546784	-101.1853269	310571.1426386308	4279870.321	3239.875988	3134.945699797525	3104.53175696627403	31.06282688274895	30.43213231688472	28.11381125234585	
398	1238	-108921.1413	802957.3170250766	39.794925663202	-101.1830024	311172.21689321334	4279866.31105341	3240.075851	3133.981521745176	3102.718956125094	31.044715171	31.2625651927221	29.26630718935904	
399	1239	-108261.1413	802957.3170250766	39.7949966227834	-101.1806782	311373.29076401703	4279862.30427662	3238.54453996857	3103.919282602086	3101.779343681395	31.04752887164564	31.2394793	29.264993685930247	
400	1240	-107601.1413	802957.3170250766	39.7950723333874	-101.1783541	311574.36445455	4279878.29534784	3235.44161307401	3132.053408090938	3104.73101030474	31.205310213503686	30.58253999794639	28.8035263067016	
401	1241	-106941.1413	802957.3170250766	39.7951458990523	-101.17603	311775.437900502	4279854.285	3232.81772152443	3131.086184724283	3101.5385739148355	31.120502099271	27.57461080947633	27.95686262452229	
402	1242	-106281.1413	802957.3170250766	39.7952184078975	-101.1737059	311976.5112655945	4279850.276319282	3229.195931229183	3130.11458949074	3101.846786033512	31.20352005517628	28.2782961395216	26.86910143521429	
403	1243	-105621.1413	802957.3170250766	39.7952904718042	-101.1713818	312177.5849632587	4279846.267939351	3227.419835187194	3129.153701068639	3101.849181919846	31.2511183186304	27.3045514978926	26.00158275323945	
404	1244	-104961.1413	802957.3170250766	39.7953262089111	-101.1690577	312378.652429898	4279842.25972538	3226.95048270365	3128.190439510119	3102.548945363596	31.2032847183747	26.35544977595625	24.90067191744443	
405	1245	-104301.1413	802957.3170250766	39.7953752521978	-101.1651199	312519.6301507434	4279842.25972538	3226.95048270365	3128.190439510119	3102.548945363596	31.2032847183747	26.35544977595625	24.90067191744443	
406	1246	-103641.1413	802957.3170250766	39.79550370125554	-101.164004	312780.802833931	4279834.23790315	3226.131781058725	3125.279945	3103.7280748292343	31.04262710009676	25.84467172905514	20.510236920072213	
407	1247	-102981.1413	802957.3170250766	39.79555423843276	-101.1620853	312981.870777235	4279830.23608372	3224.49136655165	3125.279945	3104.78997916369	31.205262062144772	20.510236920072213	20.510236920072213	
408	1248	-102321.1413	802957.3170250766	39.7956440578402	-101.1597612	313182.9472841307	4279826.229	3221.639847039584	3124.37097721934	3104.7259139028047	31.0485574464182	19.650262062144772	20.510236920072213	
409	1249	-101661.1413	802957.3170250766	39.79571342834726	-101.1574371	313384.0193516693	4279822.221154255	3221.639847039584	3124.37097721934	3105.741583646046	31.0485574464182	19.650262062144772	20.510236920072213	
410	1250	-101001.1413	802957.3170250766	39.7957823495641	-101.1551129	313585.0911596944	4279818.21393082	3215.93639244184	3122.48742948193	3106.991751532569	31.07197989743159	19.650262062144772	20.510236920072213	
411	1251	-100341.1413	802957.3170250766	39.7958586226603	-101.1527898	313786.1626205953	4279814.206882028	3215.93639244184	3122.48742948193	3106.991751532569	31.07197989743159	19.650262062144772	20.510236920072213	
412	1252	-99681.1413	802957.3170250766	39.7959189446041	-101.1504647	314027.10007761	4279810.20007761	3215.93639244184	3122.48742948193	3106.991751532569	31.07197989743159	19.650262062144772	20.510236920072213	
413	1253	-99021.1413	802957.3170250766	39.79598642137114	-101.1481406	314188.3059434395	4279806.1392016996	3212.326972300314	3119.697726198296	3102.3988418197505	31.07299689434339	17.20888437654561	16.9378753754668	
414	1254	-98361.1413	802957.3170250766	39.7960534737545	-101.1458164	314389.376750853	4279802.186741929	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
415	1255	-97701.1413	802957.3170250766	39.796120244787	-101.1434923	314590.447638277	4279798.108358486	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
416	1256	-97041.1413	802957.3170250766	39.79618645271374	-101.1411682	314791.5184871462	4279794.174139377	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
417	1257	-96381.1413	802957.3170250766	39.79625223214154	-101.1384441	314982.5895555553	4279790.16888574	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
418	1258	-95721.1413	802957.3170250766	39.79631756213178	-101.1351199	315193.625104075	4279786.125104075	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
419	1259	-95061.1413	802957.3170250766	39.79638453439118	-101.1314598	315384.729642569	4279782.15648577	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
420	1260	-94401.1413	802957.3170250766	39.79644657650806	-101.1318717	315595.799667266	4279778.151	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
421	1261	-93741.1413	802957.3170250766	39.79651066020284	-101.1295476	315796.869502146	4279774.14558437	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
422	1262	-93081.1413	802957.3170250766	39.7965743949955	-101.1272234	315997.3917042756	4279770.14328979	3211.4532837614	3118.775673914565	3095.7567234281117	30.95880533446304	22.30199503634483	22.30199503634483	
423	1263	-92421.1413	802957.3170250766	39.7966374808865	-101.1249893	316199.088651079	4279766.13257918	3208.9635758093	3110.48616691501	3084.935511822698	31.04174468427888	61.57205332898068	57.2053323898068	
424	1264	-91761.1413	802957.3170250766	39.7967001778752	-101.1225792	316400.0779513412	4279762.13039993	3204.832457067343	3109.540088753776	3085.254980596225	30.71676336742244	60.2692837045509	60.39617220015156	
425	1265	-91101.1413	802957.3170250766	39.79676321529178	-101.1203199	316603.1529174903	4279758.133544078	3204.832457067343	3109.540088753776	3085.254980596225	30.71676336742244	60.2692837045509	60.39617220015156	
426	1266	-90441.1413	802957.3170250766	39.7968240514676	-101.1179269	316802.2160116008	4279754.12111494	3204.832457067343	3109.540088753776	3085.254980596225	30.71676336742244	60.2692837045509	60.39617220015156	
427	1267	-89781.1413	802957.3170250766	39.796885334282	-101.1156028	317003.2847199725	4279750.11627033	3193.973039906784	3106.4938292375427	3049.6971993696394	30.49458484682866	56.79626970849346	57.03354768716186	
428	1268	-89121.1413	802957.3170250766	39.7969641768077	-101.1132787	317204.3532834238	4279746.11250239	3192.736858920456	3105.412956	3049.115434542646	30.49458484682866	56.79626970849346	57.03354768716186	
429	1269	-88461.1413	802957.3170250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfLen.	Wt.L	BRIElevKgm	BRIElevKft	SatTh0Kgm	SatTh0Kft
509	17	12349	-35691.14133	802957.3170250766	39.080038351433366	-100.9250232	333490.3311001739	42724.2213832297	295.5670253939165	2976.538006666671	2928.506937179096	2928.622613672101	48.03106948697496
510	17	12350	-35691.14133	802957.3170250766	39.080040754539425	-100.9250239	333681.3856530894	42741.741831	303.60461	2975.0819343494322	2927.722730370505	2927.8047491204275	47.359520441927114
511	17	12351	-35691.14133	802957.3170250766	39.080043112754574	-100.925024	333968.7629867816	42741.43431	308.302507	2973.62361023936	2926.8540343396	2927.386398029499	46.73863963074204
512	17	12352	-35691.14133	802957.3170250766	39.080045426077877	-100.918007	334093.4927293835	42740.350470313	307.7139541532215	2926.066873467191	2926.066873467191	2927.8047491204275	47.359520441927114
513	17	12353	-33021.14133	802957.3170250766	39.08004768451211	-100.9157266	334294.5483392383	42740.36631006	308.3815866516723	2927.7040418145416	2925.561761626253	2925.7324514226984	45.14318018286625
514	17	12354	-33021.14133	802957.3170250766	39.080049918054506	-100.9134024	334495.60234256805	42740.370334311	308.04492215500943	2969.254532330545	2925.2172312604425	2925.3703107031197	43.842490218809096
515	17	12355	-31701.14133	802957.3170250766	39.0800520670955	-100.9110783	334696.656	42737.169383003572	2967.8153720431783	2925.2841053766956	2925.434331280279	2925.431266666428	42.38601762899475
516	17	12356	-31041.14133	802957.3170250766	39.0800542046645	-100.9087541	334887.70956713584	42737.39400978127	3072.734720593899	2967.8153720431783	2925.2841053766956	2925.434331280279	42.38601762899475
517	17	12357	-30381.14133	802957.3170250766	39.0800563193596	-100.906648	335098.7629867816	42737.5810518167	308.302507	2973.62361023936	2926.8540343396	2927.386398029499	46.73863963074204
518	17	12358	-29721.14133	802957.3170250766	39.08005833314566	-100.9041058	335259.8162457367	42737.814222743	3063.870148181964	2967.8153720431783	2925.2841053766956	2925.434331280279	42.38601762899475
519	17	12359	-29061.14133	802957.3170250766	39.08006036240235	-100.9017816	335500.8693428054	42737.8242094789	3060.399410386681	2962.2045404720666	2928.205482369037	2928.514241538142	33.9949023215886
520	17	12360	-28401.14133	802957.3170250766	39.08006232	-100.8994575	335701.9222796228	42737.841431314	3057.88957328232	2926.802684849329	2926.4783420852705	2926.7084424128871	34.153124276
521	17	12361	-27741.14133	802957.3170250766	39.0800642590489	-100.8971333	335902.9750558833	42737.844533311	3055.38030138003	2959.4591767194803	2924.7691651388805	2924.869116428165	34.6955233309989
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523	17	12363	-26421.14133	802957.3170250766	39.0800679994356	-100.892485	336305.080176077	42737.8468233882	3050.85407431907	2956.241659328996	2921.73387984874	2921.7555327180626	34.9866321483806
524	17	12364	-25761.14133	802957.3170250766	39.0800698447645	-100.8901609	336506.123424776	42737.8479932041	3048.33025161044	2955.353570791977	2920.524864742793	2920.47850235615	34.8300841799758
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533	17	12373	-19821.14133	802957.3170250766	39.08008384	-100.8692435	338315.599232461	42737.8576119415	3024.746925194945	2942.789092749866	2931.065028750237	2931.065028750237	11.74287382474966
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536	17	12376	-17841.14133	802957.3170250766	39.08008747857484	-100.862271	338918.745740592	42737.860321419	3016.964898702515	2938.51761455265	2915.733521942296	2915.733521942296	22.7836391332858
537	17	12377	-17161.14133	802957.3170250766	39.0800896962493	-100.8598468	339189.68962493	42737.8612796257	3013.049858213961	2939.94791447653	2921.348630420201	2921.4029181712963	15.884581027451828
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541	17	12381	-14541.14133	802957.3170250766	39.08009694815154	-100.8506503	339923.993785782	42737.866104904	3013.89737994851	2931.266727863276	2898.13675495877	2897.9178845117676	51.12990721308846
542	17	12382	-13881.14133	802957.3170250766	39.08009835151022	-100.8483261	340125.0466347116	42737.8678437	3012.759014242677	2929.797303217933	2876.601694246084	2876.632981021412	35.1956089739999
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554	17	12394	-5961.141327	802957.3170250766	39.0801024915141	-100.8204362	342537.6280474348	42737.87872497122	3011.842578206267	2911.7412619082297	2896.506286722565	2896.481547121823	15.2459747850473
555	17	12395	-5301.141327	802957.3170250766	39.08010243216314	-100.8181121	342738.675486925	42737.879419586	2996.81121048552	2910.22410108318	2896.2964180983528	2896.317409789116	13.22708905046528
556	17	12396	-4641.141327	802957.3170250766	39.08010273023844	-100.8157879	342939.727730325	42737.88041943827	2998.70756037085	2908.70756037085	2896.28554056575	2896.38795430113	10.42203095126925
557													

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SurfBothKrg.ft	SatBothKrg.ft	
632	17	12475	47498.85867307335	802957.3170250766	-00.79986726264812	-00.6321798	58822.99130769493	4326920.805	2888.4192265991876	2793.893393169653	2748.80959347081003	2749.0005706250563	48.087458461462575	44.892822544506544
636	17	12476	48158.85867307335	802957.3170250766	-00.79986730915334	-00.6298572	559023.0268940772	4326916.835065384	2873.35068497074	2747.56338419704	2747.351800700247	2747.60722322571	45.2140641726217	44.96050571
637	17	12477	48778.85867307335	802957.3170250766	-00.79986730915334	-00.6278153	569424.925622006	4326912.865404083	2881.261012430262	2791.204781776843	2748.92581326962	2748.92581326962	45.187611834866015	44.96050571
638	17	12478	49478.85867307335	802957.3170250766	-00.79977732105956	-00.6252074	559479.0728989047	4326908.896	2885.166955367466	2789.84737939535	2741.41985010041	2741.17269020039	48.2145618931222	48.1740937331608
639	17	12479	50138.85867307335	802957.3170250766	-00.799747344276955	-00.6228832	559626.1331961832	4326904.926577062	2883.188093820743	2788.469324	2739.921244242781	2739.491225462047	48.58407953169893	48.9780968282735
640	17	12480	50798.85867307335	802957.3170250766	-00.79970911557176	-00.6205591	559827.1683272311	4326900.95409882	2880.314427793403	2787.094725852697	2739.907713862659	2739.588558910396	47.18011982610784	47.5647862483782
641	17	12481	51458.85867307335	802957.3170250766	-00.7996743	-00.6182349	360028.023222608	4326908.98480152	2877.4404071666675	2785.7211541837382	2740.3896746278584	2740.481931921008	45.57142775587986	45.57142775587986
642	17	12482	52118.85867307335	802957.3170250766	-00.79963911445276	-00.6151908	360029.23818147136	4326893.01968885	2874.5670597393325	2784.371734697205	2740.900948547889	2740.7305151603855	43.46447091183134	43.416568303023046
643	17	12483	52778.85867307335	802957.3170250766	-00.79961975044413	-00.6128153	360040.27290507127	4326890.95898009	2871.6823435896058	2784.371734697205	2740.900948547889	2741.1515085851466	47.151104708977	47.15796221242864
644	17	12484	53438.85867307335	802957.3170250766	-00.79956713770295	-00.6101825	360031.30749325176	4326885.0822555	2868.78367553539	2781.59928413156	2741.1918905580533	2741.171122514135	40.40739355504	40.42517442264364
645	17	12485	54098.85867307335	802957.3170250766	-00.79953074566666	-00.6083884	360032.34642945	4326881.11040559	2865.890378788874	2780.261680158144	2740.73637126385	35.01561997123645	39.4897958942928	39.4897958942928
646	17	12486	54758.85867307335	802957.3170250766	-00.79949372532276	-00.6066142	361033.3762642375	4326877.145859946	2862.9945540124163	2778.383803111183	2739.721501119241	2739.7485212758734	39.13238199167723	39.10567173524497
647	17	12487	55418.85867307335	802957.3170250766	-00.7994562557176	-00.6042901	361234.0440143045	4326873.177843731	2860.67157559287	2777.483155525673	2738.171116098358	2738.171116098358	39.23219945209096	39.23219945209096
648	17	12488	56078.85867307335	802957.3170250766	-00.7994183	-00.6019659	361435.4444960233	4326869.20999105	2858.92154424996	2776.1204623148487	2736.287451	2736.39032109333	39.23219945209096	39.23219945209096
649	17	12489	56738.85867307335	802957.3170250766	-00.7993799694974	-00.5996418	361638.4784102806	4326865.242	2855.1715029771	2774.765948669798	2734.512661806584	2734.5921243141844	35.252895001737	35.252895001737
650	17	12490	57398.85867307335	802957.3170250766	-00.79934115367348	-00.5973176	361837.5119028513	4326861.27478135	2855.4214761609238	2774.419751402383	2732.696727297498	2732.696727297498	40.7407987304355	40.7407987304355
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653	17	12493	59378.85867307335	802957.3170250766	-00.7992220114127	-00.5903452	362440.6127273827	4326849.37198298	2851.732908558622	2769.426413268794	2724.75948318592	2724.75948318592	44.0252185160034	44.0252185160034
654	17	12494	60038.85867307335	802957.3170250766	-00.79918139951154	-00.5880211	362641.6459767652	4326845.40632319	2850.674083377632	2768.1146012907234	2721.017765790506	2721.017765790506	47.09682338775	47.09682338775
655	17	12495	60698.85867307335	802957.3170250766	-00.7991403387035	-00.5856968	362842.6790486037	4326841.439631266	2849.4899421694545	2766.8054828152513	2722.234617694745	2722.234617694745	45.5710264855945	45.5710264855945
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660	17	12500	63998.85867307335	802957.3170250766	-00.79894820310641	-00.5740762	363847.8425551873	4326821.609	2843.965971847482	2764.004808575648	2736.6186441343079	2736.6186441343079	37.25847452188276	37.25847452188276
661	17	12501	64658.85867307335	802957.3170250766	-00.7989084568165	-00.5717521	364048.8749730277	4326812.64782334	2842.87255990996	2759.06227361268	2733.817569881296	2733.817569881296	35.252895001737	35.252895001737
662	17	12502	65318.85867307335	802957.3170250766	-00.79888403	-00.5694279	364249.9072	4326808.13732227	2841.779147910027	2757.7678002107	2728.603961215413	2728.603961215413	38.1837178669382	38.1837178669382
663	17	12503	65978.85867307335	802957.3170250766	-00.79884796916031	-00.5671038	364450.1231304525	4326804.19335176	2840.677656526234	2756.57176410783	2728.44389101892	2728.44389101892	37.25847452188276	37.25847452188276
664	17	12504	66638.85867307335	802957.3170250766	-00.798807563745	-00.5647976	364651.17135982	4326800.50454757	2839.58054045757	2755.2504571764	2727.67037075249	2727.67037075249	33.1501378175779	33.1501378175779
665	17	12505	67298.85867307335	802957.3170250766	-00.79876050407653	-00.5624455	364853.0029779156	4326791.76183609	2838.505510704643	2753.387131261177	2720.0613931300374	2720.0613931300374	34.52754754	34.52754754
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667	17	12507	68618.85867307335	802957.3170250766	-00.79868125943037	-00.5578072	365255.0661	4326783.85029364	2836.91402509236	2751.427102573775	2715.2192775093276	2715.2192775093276	36.2534456604989	36.2534456604989
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669	17	12509	69938.85867307335	802957.3170250766	-00.79861859221898	-00.5531589	365657.12878792814	4326775.923061768	2834.97984456198	2749.984456198	2713.5346213946344	2713.5346213946344	36.2534456604989	36.2534456604989
670	17	12510	70598.85867307335	802957.3170250766	-00.79857945318126	-00.5508424	365858.1592720049	4326771.9489440784	2833.971489440784	2749.72451713369	2710.44627103369	2710.44627103369	37.25847452188276	37.25847452188276
671	17	12511	71258.85867307335	802957.3170250766	-00.798542231451195	-00.5485107	366059.14005695	4326767.10258481	2833.0171258481	2748.480963404553	2708.7947126745	2708.7947126745	37.25847452188276	37.25847452188276
672	17	12512	71918.85867307335	802957.3170250766	-00.798503732230016	-00.5461865	366260.2218	4326774.03048117	2832.1340907596252	2745.2399204774847	2707.060736748254	2707.060736748254	38.1791830025926	38.1791830025926
673	17	12513	72578.85867307335	802957.3170250766	-00.798463248115866	-00.5438624	366461.256664437	4326760.07094784	2831.098506969562	2744.001278	2705.136079907688	2705.136079907688	38.1791830025926	38.1791830025926
674	17	12514	73238.85867307335	802957.3170250766	-00.79842748911361	-00.5415382	366662.2832737756	4326756.10314069	2830.067620579408	2742.764823134967	2703.52345350021	2703.52345350021	39.213698147575	39.213698147575
675	17	12515	73898.85867307335	802957.3170250766	-00.79838245220086	-00.5392411	366863.3173792324	4326752.14009714	2829.807102107174	2741.5303659995602	2701.5303659995602	2701.5303659995602	40.027232498323	40.027232498323
676	17	12516	74558.85867307335	802957.3170250766	-00.798347146347964	-00.53689	367064.3441	4326750.176844897	2828.335280254107	2740.972784430071	2699.810326745192	2700.1254747060237	40.027232498323	40.027232498323
677	17	12517	75218.85867307335	802957.3170250766	-00.79830754254193	-00.5345826	367265.374254193	4326746.254193	2827.36754254193	2740.72451713369	2698.810326745192	2698.810326745192	40.027232498323	40.027232498323
678	17	12518	75878.85867307335	802957.3170250766	-00.79826702419961	-00.5322417	367466.04482397	4326742.550832327	2826.391351645781	2737.8341862				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatThLogs.kg	SatThBoth.kg
1	21	12601	-357741.1413	803617.3170250766	30.75322165346265	-102.0591666	235356.4021886532	4329590.931458997	4025.75408790097	3861.095844	3889.692664489604	3890.5739625937763	0	0
2	12	12602	-357081.1413	803617.3170250766	30.7534647366194	-102.0568428	235557.56031150324	4329586.85887015	4022.452924500257	3859.7290334057	3884.828125233826	3885.627306077885	0	0
23	18	12603	-356421.1413	803617.3170250766	30.7531537250778	-102.056419	235758.71817103095	4329582.786438587	4017.6120324173418	3858.306967222296	3879.806379887844	3860.804264935817	0	0
24	12	12604	-355761.1413	803617.3170250766	30.7533955653735	-102.0521952	235569.877011199	4329577841241937	4013.70284004434	3856.994749608832	3875.3400919759492	3876.038715836235	0	0
25	12	12605	-355101.1413	803617.3170250766	30.75419129329774	-102.0498714	236161.033106296464	4329576474414466	4006.112583270457	3855.62025	3871.177257965877	3871.992618989855	0	0
26	12	12606	-354441.1413	803617.3170250766	30.75438125812583	-102.0475476	236362.1901565165	432957502328059	3998.8235869774485	3854.2466830139397	3867.306029502403	3868.114340892817	0	0
27	12	12607	-353781.1413	803617.3170250766	30.75467342041904	-102.0452238	236563.34693041	4329566480027835	3991.0370573438994	3852.870128244646	3863.6389617444484	3864.6504063992716	0	0
28	12	12608	-353121.1413	803617.3170250766	30.7549181877789	-102.0429	236764.50354474946	4329562426935928	3981.7251684090783	3851.490082157954	3860.140234	3861.171610323336	0	0
29	12	12609	-352461.1413	803617.3170250766	30.7551537250778	-102.040676	236965.659848857	432956355338368	3950.1059219685184	3850.757863788784	3856.751158437388	3857.6778498386	0	0
30	12	12610	-351801.1413	803617.3170250766	30.7553932450535	-102.0382524	237166.8158644014	43295542841013147	3943.101374221467	3848.719025294366	3853.22263220054	3854.192525490673	0	0
31	12	12611	-351141.1413	803617.3170250766	30.7556322891682	-102.0359288	237367.8712733936	432955630123194935	3955.66531070785	3847.20317558449	3849.5799655656537	3850.441518	0	0
32	12	12612	-350481.1413	803617.3170250766	30.7558708843222	-102.0336048	237569.1272016415	4329546142359661	3950.10523602084	3845.945979848015	3844.49480439572	3845.4077821281708	1.447759452259586	0.5348158566307575
33	12	12613	-349821.1413	803617.3170250766	30.7561093067224	-102.031281	237770.2824875582	43295447587203913	3944.5547852053288	3844.5547852053288	3837.4780437345776	3838.37122835476	7.07674148949562	6.183558669818131
34	12	12614	-349161.1413	803617.3170250766	30.75634782192	-102.0289572	237971.43747476797	4329538101088147	3938.98497044495	3843.166445	3829.3096315967073	3830.2686860118636	13.856813452052487	12.897847343896533
35	12	12615	-348501.1413	803617.3170250766	30.7565837819624	-102.0268334	238172.59220201088	4329535307063959	3931.725305225995	3841.777218	3826.502504158314	3821.675378501626	20.101839627427204	19.01839627427204
36	12	12616	-347841.1413	803617.3170250766	30.75682077809125	-102.0243098	238373.746694989	432952948604939	3927.940306965	3840.387178670025	3821.80116250057	3813.68003060527	27.5855611009569	26.70578860375668
37	12	12617	-347181.1413	803617.3170250766	30.75705712903356	-102.0219857	238574.90867740094	4329525790450578	3922.458091317137	3838.9458265253	3805.235915953599	3802.07969275549	33.7986137192374	32.9665034097386
38	12	12618	-346521.1413	803617.3170250766	30.7572930303647	-102.0196619	238776.0542595874	4329521760576578	3916.942187154153	3837.600201	3798.519223953072	3799.159272823447	37.98807748643786	38.44047710660684
39	12	12619	-345861.1413	803617.3170250766	30.7575284838884	-102.0173381	238977.2081536508	43295174650871824	3910.5667384617996	3836.203247267032	3793.030213365227	3793.38777498123	43.1733003050941	42.8153679890092
40	12	12620	-345201.1413	803617.3170250766	30.7577634886061	-102.0150143	239178.3619455221	4329513481336313	3905.14545862445	3834.803138840314	3789.227839434744	3789.102033389748	45.572995	45.0178050044262
41	12	12621	-344541.1413	803617.3170250766	30.7579980445176	-102.0126804	239379.51511753204	4329509511970024	3906.072175246794	3833.9913615123	3786.418321991307	3786.301415992259	46.98097984022236	47.0888953623935
42	12	12622	-343881.1413	803617.3170250766	30.75823215162195	-102.0103666	239588.6680371846	432950542772996	3898.824894625842	3831.99110930347	3784.724027663334	3784.539685672321	47.267081937012346	47.45121358062184
43	12	12623	-343221.1413	803617.3170250766	30.75846859182	-102.008491	239788.826985542	432950237451168	3898.543881041	3831.99110930347	3784.724027663334	3784.539685672321	48.1830179495325	47.0293265854626
44	12	12624	-342561.1413	803617.3170250766	30.758699	-102.005719	239982.9302283208	432949730466571	3890.424073689093	3829.15886793556	3782.903731139354	3782.7828238152542	46.1684957960729	46.3760437803197
45	12	12625	-341901.1413	803617.3170250766	30.7589317800055	-102.0033951	240184.1252210718	432949323681445	3887.73322123382	3827.73322123382	3782.2379897419014	3782.024703911714	45.78852749048072	45.78852732067139
46	12	12626	-341241.1413	803617.3170250766	30.7591640919634	-102.0010713	240385.27710215707	4329489176678986	3887.38783	3826.3017885957	3817.642164	3780.98803257339	44.658014528576	45.3121156026184
47	12	12627	-340581.1413	803617.3170250766	30.7593979550274	-101.9987475	240586.2487572248	4329485.099235931	3889.2116077578	3824.858902672624	3780.613884288395	3779.63856078384	44.25041597432891	45.2202484342276
48	12	12628	-339921.1413	803617.3170250766	30.7596273692815	-101.9964236	240787.580919788	4329481.031141186	3898.73762959307	3823.408631704643	3780.495845749006	3780.097172196839	43.9127842145823	45.31280697262545
49	12	12629	-339261.1413	803617.3170250766	30.7598598347262	-101.9940968	240988.7310213238	4329478.83131568	3898.543881041	3823.408631704643	3780.495845749006	3780.097172196839	44.25041597432891	45.31280697262545
50	12	12630	-338601.1413	803617.3170250766	30.759177	-101.991776	241189.88251281	4329472.89528124	3899.7462772728	3820.47949387382	3777.531457947616	3775.4541774	46.297281303823875	46.297281303823875
51	12	12631	-337941.1413	803617.3170250766	30.7593818918137	-101.9894521	241391.032648943	432947361761348	3894.7447365602229	3818.992601356825	3777.265273	3776.336480071551	47.2722805324496	42.8550656109706
52	12	12632	-337281.1413	803617.3170250766	30.760548381961	-101.9871283	241592.1828080212	4329464.76017081	3885.25705600771	3817.497808917343	3777.016251753815	3771.761336400715863	40.478537327919184	41.1763364014807
53	12	12633	-336621.1413	803617.3170250766	30.7607717939674	-101.9848044	241793.3307080101	4329460.62970881	3875.56758528555	3815.981934649429	3777.122280906227	3775.602961935455	38.89563742302216	40.3789721358361
54	12	12634	-335961.1413	803617.3170250766	30.7610064297854	-101.9824806	241994.4825971587	4329465.62505985	3865.877655556985	3814.4527121297506	3777.4644157	3775.42051263354	36.9844154	39.0324068621675
55	12	12635	-335301.1413	803617.3170250766	30.7612340726155	-101.980158	242195.6324685375	4329452.58680327	3865.924555637048	3813.9057892870414	3777.895080881121	3774.87536925152	36.0106840502026	38.03152365253936
56	12	12636	-334641.1413	803617.3170250766	30.761462561249	-101.978323	242396.7819	4329449.491779007	3861.7076251291	3811.339484035813	3776.2512403656	3774.0417120917926	36.573754373201	36.573754373201
57	12	12637	-333981.1413	803617.3170250766	30.7616899107315	-101.9755091	242597.8308422002	4329444.52102417	3858.49090696189	3809.753198560213	3776.87618719817	3776.87618719817	36.07701074	35.069101848211165
58	12	12638	-333321.1413	803617.3170250766	30.7619182721095	-101.9731852	242799.0764766113	4329440.59630511	3895.274196740051	3808.143322505654	3776.661921330893	3774.74219851746	33.79701919761943	33.79701919761943
59	12	12639	-332661.1413	803617.3170250766	30.7621430432076	-101.9708614	243000.228197402	4329436.629230899	3886.919085408106	3806.509587058784	3780.216790658573	3780.216790658573	34.29279640216957	35.48355970985245
60	12	12640	-332001.1413	803617.3170250766	30.7623693304024	-101.9685375	243201.3764915808	4329432.22615661	3896.6414350636414	3804.850213545	3780.915203831811	3777.294787796293	23.9350891353233	27.555514947050597
61	12	12641	-331341.1413	803617.3170250766	30.7625994217326	-101.9662317	243402.5523147437	4329431.60174029	3891.8251821627423	3803.1649501830516	3780.748957108084	3780.748957108084	25.1213987340517	25.1213987340517
62	12	12642	-330681.1413	803617.3170250766	30.7628204306955	-101.9638898	243603.6712165444	4329424.094393192	3891.94222811803	3801.45369972253	3779.9418994123093	3776.6302307296746	24.81236109258475	24.81236109258475
63	12	12643	-330021.1413	803617.3170250766	30.7630465915074	-101.9615989	243804.82685353	4329420.3571474	3892.45371474	3800.45371474	3779.9418994123093	3776.6302307296746	25.1213987340517	25.1213987340517
64	12	12644	-329361.1413	803617.3170250766	30.7632689581926	-101.9592421	244005.9612532264	4329419.96329784	3897.922114113014	3797.916110836993	3778.87618719817	3776.87618719817	24.1330479050853	25.02548166960875
65	12	12645	-328701.1413	803617.3170250766	30.7634927433431	-101.9569182	244207.1141486823	4329411.8979317	3898.358522425445	3796.15987957336	3774.153864	3772.20303237147	22.0060150255783	23.95684930218912
66	12	12646	-328041.1413	803617.3170250766	30.763716789541	-101.9545944	244408.2609181484	4329407.83279568	3896.79503802715	3794.31406287373	3771.573504403096	3767.502462757966	22.7675638346664	24.7675638346664

ix	ly	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SatThLoHs.f	SatThBoHt.f	
147	17	12727	-274581.1413	803617.3170250766	-70.78031570492826	-01.7663572	260700.3260902054	4329079.117538128	3620.0990727207964	354.274197973514	3516.180336889512	3512.220384940913	78.0938672840024	82.0538127424296
148	18	12728	-273921.1413	803617.3170250766	-70.78050223618376	-01.7640333	260901.45267894215	4329075.0662216125	3612.91174890751	3591.367034	3511.365885788494	3507.352141777638	80.01174783	84.0148918402519
149	18	12729	-273691.1413	803617.3170250766	-70.78048618185926	-01.7617083	261102.5781230385	4329071.015841941	3609.45253106042	3589.45253106042	3509.45253106042	3502.489326349415	82.0403181396289	85.0438234394937
150	18	12730	-272961.1413	803617.3170250766	-70.78087395214175	-01.7593853	261303.7053807387	4329066.964133991	3598.57315	3585.524274989104	3501.107470334499	3501.647636676146	83.01676058633137	87.8603532313621
151	18	12731	-271941.1413	803617.3170250766	-70.78109513685505	-01.7570614	261504.83126922528	4329062.913324273	3594.2643740118847	3582.588592186384	3496.194087030238	3493.0851835547928	83.0505093083608	89.5034083158681
152	18	12732	-271281.1413	803617.3170250766	-70.78124382712123	-01.7547374	261705.95699303258	4329060.9826717938	3592.906130774587	3579.63457161871	3491.390383964155	3488.451404302870	82.25306779717608	91.1920528500537
153	18	12733	-270621.1413	803617.3170250766	-70.7814821597193	-01.7524134	261907.08428235626	4329061.8412265483	3591.5478137572887	3576.688813527592	3486.704840091442	3480.655045194375	89.98132848	92.7487683321969
154	18	12734	-269961.1413	803617.3170250766	-70.78161199787516	-01.7500895	262108.2077354209	4329050.7619799945	3590.188644	3573.724970380753	3482.74254689174	3479.6330420514273	91.4907051463331	94.01791729
155	18	12735	-269301.1413	803617.3170250766	-70.7817993871881	-01.7477855	262309.3327530867	4329046.171862372	3589.6248156772	3570.752416388012	3478.924716388012	3478.924716388012	92.548647682843	95.676548628243
156	18	12736	-268641.1413	803617.3170250766	-70.7819732718335	-01.7454415	262510.457535525	4329042.961913007	3588.96485463815	3570.77127288015	3474.468272739894	3472.140573748124	93.303001025712	95.6221959073915
157	18	12737	-268017.1413	803617.3170250766	-70.78216081923514	-01.7431175	262711.582030351	4329038.612	3585.267908185745	3564.78167544115304	3467.1575948262	3465.1575948262	93.30301118333776	95.6265874273255
158	18	12738	-267321.1413	803617.3170250766	-70.7823246198445	-01.7407395	262912.70639576094	4329034.562521117	3583.570864734683	3561.785743936193	3468.8645404372046	3466.50679634107	92.9212035248019	95.13494762
159	18	12739	-266661.1413	803617.3170250766	-70.78252445588134	-01.7384696	263113.030775855	4329030.510775855	3580.726387952765	3558.7831241925564	3467.1706689505268	3465.170668952765	91.6145524202604	93.61635921532161
160	18	12740	-266001.1413	803617.3170250766	-70.7827056010152	-01.7361456	263314.95441762963	4329026.43300445	3576.73400383449	3556.73400383449	3466.390187187004	3463.748372088	91.636817964499	92.95123433
161	18	12741	-265341.1413	803617.3170250766	-70.7828662972057	-01.7338216	263516.0807272206	4329022.414894958	3574.724598042223	3552.767919719712	3465.8310840739014	3462.948563634629	90.9268321021072	99.0826828578304
162	18	12742	-264681.1413	803617.3170250766	-70.7830665454526	-01.7314876	263717.214028515	4329018.36575494	3568.750675751447	3549.733929	3465.00510437766	3462.268013463406	94.72031904046649	97.46581801831348
163	18	12743	-264021.1413	803617.3170250766	-70.78323463430257	-01.7291738	263918.3245447229	4329014.136865629	3561.099492899963	3546.70114822145	3464.946864	3461.721758483955	91.75428123019492	94.8793683383657
164	18	12744	-263361.1413	803617.3170250766	-70.7834256925547	-01.7268496	264119.4474453041	4329010.26834165	3549.772536	3543.6599987116297	3465.641902258162	3461.028305638756	91.7640064536748	82.63169273007731
165	18	12745	-262701.1413	803617.3170250766	-70.7836046	-01.7245257	264320.57028101163	4329006.219951005	3538.4510777862947	3538.4510777862947	3465.651498087949	3462.44874967769	72.7995868734581	77.82358881852576
166	18	12746	-262041.1413	803617.3170250766	-70.78378306453485	-01.7222017	264521.692569833	4329002.171684411	3527.129619534489	3527.129619534489	3465.480514068764	3460.15005239399	61.64910544572915	66.78769202508975
167	18	12747	-261381.1413	803617.3170250766	-70.7839610484127	-01.7198777	264722.81478772573	4329008.12399015	3520.788695582135	3521.788695582135	3465.04272180323	3459.43716876106	56.74588775496068	62.3489507606284
168	18	12748	-260721.1413	803617.3170250766	-70.7841386025173	-01.7175357	264923.9365745785	4328994.0750667173	3522.420478574674	3522.420478574674	3464.3120934205812	3458.582500311663	58.1195645142599	63.84543745030114
169	18	12749	-260061.1413	803617.3170250766	-70.78431520787406	-01.7152927	265156.73948659516	4328987.0290087	3519.487486156772	3519.487486156772	3463.920220102455	3457.5208496524	55.33324229	52.44111102423485
170	18	12750	-259401.1413	803617.3170250766	-70.784492364704	-01.7129507	265336.180099051	4328985.90311397	3522.706924553076	3523.706924553076	3461.8901151500455	3455.00770786967	60.1275928793015	67.7042366900948
171	18	12751	-258741.1413	803617.3170250766	-70.78467865271103	-01.7105817	265527.3012889006	4328981.933	3520.68842561307	3520.68842561307	3459.805698	3454.30979149568	60.88754925146555	66.785560664687
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173	18	12753	-257421.1413	803617.3170250766	-70.78501964081916	-01.7059337	265929.63451179563	4328973.63845783	3507.356888491197	3507.356888491197	3454.9228858916454	3450.244664438527	51.2802492474384	57.0914219402678
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186	18	12766	-248841.1413	803617.3170250766	-70.78725782369915	-01.6757217	268544.0927614499	4328921.241743071	3480.761584674431	3474.847595090626	3431.03440747708	3428.68068344544	48.135476129177	46.16726974608082
187	18	12767	-248181.1413	803617.3170250766	-70.7874284858986	-01.6733977	268745.2103545737	4328917.197012878	3480.787899	3471.64716225456	3428.782562156457	3426.300331449494	42.8646009819935	45.368075996177
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191	18	12771	-245541.1413	803617.3170250766	-70.7880984645277	-01.6641016	269549.6784428518	4328901.019774344	3500.6808931408643	3458.79385732332	3418.848314	341		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SatThkLogs.ft	SatThkBoth.ft
273	12853	-191421.1413	803617.3170250766	39.08002839	-101.473529	480604.88991247173	4238569.79804598	3400.571445033255	3226.217344393737	3253.0055267779126	3244.971917501067	0	0	
274	12854	-190761.1413	803617.3170250766	39.08004138254129	-101.4712049	286241.588375954229	4238565.94889352	3406.0375279171	3224.96506715295	3250.420042329313	3242.1155867524785	0	0	
275	12855	-189011.1413	803617.3170250766	39.08005433505217	-101.468808	286442.6986357596	4238561.911819	3408.346905035317	3224.620585891811	3239.177007617016	3237.177007617016	0	0	
276	12856	-189441.1413	803617.3170250766	39.08006724263435	-101.466557	286643.76488135156	4238567.888943185	3401.497111530054	3222.567884036517	3244.8997834593176	3232.0836371	0	0	
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278	12858	-188121.1413	803617.3170250766	39.080119233172614	-101.461908	287045.9801414659	4238560.829875403	3371.7991775564208	3220.284880422317	3238.7299355040995	3226.336002	0	0	
279	12859	-187461.1413	803617.3170250766	39.08010569610863	-101.4599845	287247.077556395	4238545.800592303	3386.739261619478	3219.181153	3235.7293028605327	3227.3899971304754	0	0	
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283	12863	-184821.1413	803617.3170250766	39.0801563896485	-101.4502881	288051.46511200329	4238529.68513461	3368.289330086267	3214.9942179403706	3226.61903081155947	3215.535537703295	0	0	
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289	12869	-180861.1413	803617.3170250766	39.0802396568896	-101.4363434	289258.04029972312	4238505.516974038	3323.6469238483014	3209.308675317952	3221.6407782007346	3193.65311525933	15.655514065018996	0	
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318	12898	-161721.1413	803617.3170250766	39.08056882715292	-101.368944	295089.7152062154	4238388.789174659	3247.294440441585	3189.715183168861	3206.849975733933	3203.8569306295	4.573962719489294	0	
319	12899	-161061.1413	803617.3170250766	39.08057980452047	-101.3666199	295290.804382225	4238384.767	3262.7519287792657	3189.62182481482376	3206.87454937519	3204.8935257191333	4.573962719489294	0	
320	12900	-160401.1413	803617.3170250766	39.0805907699384	-101.3642958	295491.893369818	4238380.744169981	3282.736052006321	3188.631020783603	3208.263253389698	3206.95894898701	4.573962719489294	0	
321	12901	-159741.1413	803617.3170250766	39.0806016248853	-101.3618717	295692.8621475559	4238376.721971177	3285.7207175						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLgKrg.ft	BREIEvBoltKrg.ft	SatHt70Krg.ft	SatHtBoltKrg.ft
39	129	12979	-106261.1413	803617.3170250766	30.08131254983112	-101.806877	311377.3033215788	4238063.500949164	3230.673425906504	3133.034677924205	3099.8839031294488	3101.90429628932524	31.5077479457614	31.130373094969492
400	12980	-107601.1413	803617.3170250766	30.08131989107709	-101.783635	311578.7366343145	4238059.491886162	3228.200800443821	3122.059504704201	3100.01119	3101.8720974859128	3102.7865022382125	30.1869072149497	30.1869072149497
401	12981	-108641.1413	803617.3170250766	30.08132714743208	-101.766093	311739.4501619863	4238058.63369802	3225.422715801324	3121.381261	3100.569342059817	3102.7865022382125	30.1869072149497	30.1869072149497	30.1869072149497
402	12982	-106281.1413	803617.3170250766	30.0813433889586	-101.737152	311980.5233047996	4238053.47426093	3231.7653474402495	3130.107389545479	3101.3406721665945	3102.89622513447	28.763067648436	27.2046603031985	27.2046603031985
403	12983	-105621.1413	803617.3170250766	30.08134165468655	-101.717391	312181.5962625953	4238047.465699951	3221.502380844718	3129.128549002782	3101.8472167182754	3103.138603524622	27.281331830287	25.8996437456363	25.8996437456363
404	12984	-104061.1413	803617.3170250766	30.08134880715034	-101.690668	312382.669036668	4238045.457304025	3220.452859882774	3128.15608384317	3102.7104562248764	3103.823098	25.45460210040512	24.1241472583707	24.1241472583707
405	12985	-104301.1413	803617.3170250766	30.081349323940926	-101.667426	312583.741626135	4238043.440970557	3219.341739	3127.18704034391563	3103.657515837707	3104.5557654837707	23.5298955025581	22.2641363518144	22.2641363518144
406	12986	-103641.1413	803617.3170250766	30.0813269595043	-101.644185	312784.8140315597	4238035.41072064	3128.260967958886	3126.2270792262406	3104.443026823523	3105.166698912824	21.779052402717753	21.05520991316847	21.05520991316847
407	12987	-102981.1413	803617.3170250766	30.08137002248975	-101.626843	312985.8665185142	4238031.433110585	3219.457380578576	3125.261803633234	3105.221075981867	3105.795841616736	20.02696994176576	19.46584941655237	19.46584941655237
408	12988	-102321.1413	803617.3170250766	30.0813704055598	-101.597701	312985.8665185142	4238027.425380432	3126.93073677593	3125.261803633234	3105.221075981867	3105.795841616736	18.581941779106273	18.27019722845995	18.27019722845995
409	12989	-101661.1413	803617.3170250766	30.081338342192005	-101.574459	313888.3001456306	4238023.417816879	3126.40417288129	3123.3672263013502	3106.8087704545887	3107.299564	16.5845845	16.0575726424801	16.0575726424801
410	12990	-101001.1413	803617.3170250766	30.081330834526914	-101.551217	313589.10181694385	4238019.140419988	3215.87069182555	3122.4135894115066	3107.8320858628545	3108.70378841283	14.58078354852107	14.10588552737825	14.10588552737825
411	12991	-100341.1413	803617.3170250766	30.08133678197603	-101.525796	313790.1730523336	4238015.403189474	3215.718969781259	3121.47518665879	3108.6556787627494	3109.6230714599972	12.819506971455959	12.411472583707	12.411472583707
412	12992	-99681.1413	803617.3170250766	30.0814140542314	-101.504734	313991.2446107093	4238011.396125599	3215.92824743807	3120.54157496661	3109.6230714599972	3109.6230714599972	12.20126247995836	11.6259424547179	11.6259424547179
413	12993	-99021.1413	803617.3170250766	30.0814124418445	-101.481482	314192.1513357637	4238007.389228288	3216.13753972068	3119.5128458978513	3108.1963095964296	3108.1963095964296	10.43748539737325	10.16183397412165	10.16183397412165
414	12994	-98361.1413	803617.3170250766	30.0814179549545	-101.45825	314393.3867403784	4238003.382487471	3216.34624670455	3118.89057898969	3097.4436431474826	3097.4436431474826	9.212470304238652	8.71044720902137	8.71044720902137
415	12995	-97701.1413	803617.3170250766	30.08142462	-101.43008	314594.457432006	4237999.37	3217.06632209278	3117.75363809054	3090.7641288035716	3090.7641288035716	7.01212350638737	6.730438585027	6.730438585027
416	12996	-97041.1413	803617.3170250766	30.08143121582432	-101.411767	314795.528105164	4237995.37	3218.29577371941	3116.850144994745	3083.76297506022	3083.76297506022	5.3310211690345225	5.13903142456926	5.13903142456926
417	12997	-96381.1413	803617.3170250766	30.08147382326005	-101.388525	314996.5800299006	4237983.363302217	3219.5253174290074	3115.95030090525	3076.7041115899165	3076.7041115899165	3.2549185036808	3.07315398279488	3.07315398279488
418	12998	-95721.1413	803617.3170250766	30.08144433712572	-101.365283	315197.6687158783	4237987.357	3220.754857732004	3115.056367000877	3069.56025	3069.56025	45.64034717052056	45.64034717052056	45.64034717052056
419	12999	-95061.1413	803617.3170250766	30.0815048543951	-101.342041	315398.7387473843	4237981.33139237	3220.36932990944	3114.152934514354	3062.0030330556	3062.0030330556	45.6696022990245	45.6696022990245	45.6696022990245
420	13000	-94401.1413	803617.3170250766	30.0815472886199	-101.318799	315599.8086	4237979.346	3218.367534389144	3113.24570723132	3054.84961238338	3054.84961238338	38.9137181	38.9137181	38.9137181
421	13001	-93741.1413	803617.3170250766	30.08157002248975	-101.293913	315809.8665185142	4237973.40022025	3218.260967958886	3112.381261	3100.569342059817	3102.7865022382125	34.614830417164	34.614830417164	34.614830417164
422	13002	-93081.1413	803617.3170250766	30.08147004103309	-101.272216	316001.9477565162	4237971.33443402	3214.36537390614	3111.414829605687	3047.608451314987	3047.608451314987	31.6838754558154	31.6838754558154	31.6838754558154
423	13003	-92421.1413	803617.3170250766	30.08176349716346	-101.249074	316203.01706563236	4237961.33441061	3214.016935230674	3110.48616033167	3048.52747839437	3048.52747839437	29.658912492233608	29.658912492233608	29.658912492233608
424	13004	-91761.1413	803617.3170250766	30.0814826136383	-101.225832	316404.0861913328	4237963.3245172	3206.4061343625	3109.5445151933864	3049.462405915483	3049.462405915483	26.0821902779033	26.0809451697979	26.0809451697979
425	13005	-91101.1413	803617.3170250766	30.08148883264069	-101.20259	316605.1551	4237959.31494735	3206.7659916698	3108.586201725096	3049.7648597227176	3049.7648597227176	23.58867504679203	23.58867504679203	23.58867504679203
426	13006	-90441.1413	803617.3170250766	30.08149500679184	-101.179348	316806.2230639165	4237955.314717235	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	21.580999173875	21.580999173875	21.580999173875
427	13007	-89781.1413	803617.3170250766	30.0815135814624	-101.151678	317097.292484198	4237951.1581983	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	19.580999173875	19.580999173875	19.580999173875
428	13008	-89121.1413	803617.3170250766	30.0815720715402	-101.132864	317208.36902465	4237947.30574023	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	17.580999173875	17.580999173875	17.580999173875
429	13009	-88461.1413	803617.3170250766	30.08151329554356	-101.109622	317409.42913139355	4237943.10512294	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	15.580999173875	15.580999173875	15.580999173875
430	13010	-87801.1413	803617.3170250766	30.0815192540329	-101.083831	317610.4971818727	4237939.297444975	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	13.580999173875	13.580999173875	13.580999173875
431	13011	-87141.1413	803617.3170250766	30.08152250368077	-101.063139	317811.5651	4237935.29354405	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	11.580999173875	11.580999173875	11.580999173875
432	13012	-86481.1413	803617.3170250766	30.08153114080684	-101.039897	318012.6327441939	4237931.28890925	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	9.580999173875	9.580999173875	9.580999173875
433	13013	-85821.1413	803617.3170250766	30.08153696824145	-101.016855	318213.7025781577	4237927.286241735	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	7.580999173875	7.580999173875	7.580999173875
434	13014	-85161.1413	803617.3170250766	30.08154273184624	-101.099319	318414.7675031216	4237923.32039005	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	5.580999173875	5.580999173875	5.580999173875
435	13015	-84501.1413	803617.3170250766	30.08154853236324	-101.070711	318615.83470315164	4237919.17990204	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	3.580999173875	3.580999173875	3.580999173875
436	13016	-83841.1413	803617.3170250766	30.081554278395374	-101.046929	318816.9017296049	4237915.27635163	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	1.580999173875	1.580999173875	1.580999173875
437	13017	-83181.1413	803617.3170250766	30.0815595866531	-101.023687	319017.96853119053	4237911.37823471	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	0.580999173875	0.580999173875	0.580999173875
438	13018	-82521.1413	803617.3170250766	30.0815655044256	-101.000445	319219.0515527933	4237907.2086124	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	0.580999173875	0.580999173875	0.580999173875
439	13019	-81861.1413	803617.3170250766	30.0815711845289	-100.977044	319420.106027054	4237903.28698122	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	0.580999173875	0.580999173875	0.580999173875
440	13020	-81201.1413	803617.3170250766	30.0815760122535	-100.953362	319621.16718717823	4237899.26592432	3207.125069301268	3107.603928113586	3049.710769688654	3049.710769688654	0.580999173875	0.580999173875	0.580999173875
441	13021	-80541.1413	803617.3170250766	30.0815814273184624	-100.930819	319823.32039005	4237895.1681983	3207.125069301268	3107.603928113586	3049.710769688654	3049.7107			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVEKgr.f	BRIEVEBth.f	SurfAttn.f	SurfBth.f
525	18	13105	-25101.14133	803617.3170250766	-00.88188403	306711.17540593556	427559.688676332	3041.788475950418	29.63.39648711898	2916.4394187386156	2916.395487970737	36.9442297328247	37.0385991482432
526	18	13106	-24441.14133	803617.3170250766	-00.881885147	336912.227107565	427555.8005464905	3038.4857025962803	2916.12587675601	2916.0222309124823	35.9548671007807	36.054867336374455	36.054867336374455
527	18	13107	-23781.14133	803617.3170250766	-00.881887395	327113.2789	427551.892826268	3037.4941427858654	2916.42501084901	2916.492197211523	36.1438215534068	34.2267378488437	34.2267378488437
528	18	13108	-23121.14133	803617.3170250766	-00.8818886422022	-00.8808653	337314.3302346894	3025.819791945798	2949.351280480227	2918.150409190535	2918.0962829267131	31.9187129	31.25490755350984
529	18	13109	-22661.14133	803617.3170250766	-00.88189044643424	-00.8785421	337515.3816702023	3027.4754317256323	2934.1454411329905	2920.973266415842	2921.00868647781	27.91007935882463	26.96927109866438
530	18	13110	-21801.14133	803617.3170250766	-00.88189201762526	-00.8762179	337716.4328	3027.4759137962323	2932.4710932031835	2946.6005676030013	2925.216719792688	29.2547718349251	21.723447010133352
531	18	13111	-21411.14133	803617.3170250766	-00.881893846219549	-00.8738937	337917.483483761	3027.4753574228138	2932.40100913110204	2945.29188935847	2931.043296094128	17.15782841719106	13.4712790089715
532	18	13112	-20481.14133	803617.3170250766	-00.8818948773633	-00.8715954	338118.53470143303	3027.4753574228138	2932.40100913110204	2943.833600000364	2935.5086407177646	2936.6401692912555	3.824965283
533	18	13113	-19821.14133	803617.3170250766	-00.88189644385514	-00.8685623	338119.565954103	3027.47537998	2932.40100913110204	2942.42501084901	2938.153584326044	2929.75685455254	13.088166867897558
534	18	13114	-19161.14133	803617.3170250766	-00.88189757414164	-00.8666921	338202.6393151467	3027.47537998	2932.40100913110204	2941.049685360169	2932.303046830707	2923.604662893577	17.41221697450504
535	18	13115	-18501.14133	803617.3170250766	-00.86459858	338271.68653094705	427575.794829717	3012.4673863754824	2939.40400271969624	2917.8050547311545	2917.9521545081024	21.790272465800922	21.68872656149922
536	18	13116	-17841.14133	803617.3170250766	-00.8622726	338922.7363905155	427575.808356579	3014.6623581112157	2932.3029279191106	2921.2693478129527	2912.713673070414	25.960429060157925	25.91623398332304
537	18	13117	-17181.14133	803617.3170250766	-00.8599481	339123.786564209	427571.8222	3016.63273984839	2936.812971945864	2906.361252661414	2906.5211311699086	49.45179284500454	30.30066075955294
538	18	13118	-16521.14133	803617.3170250766	-00.8576242	339324.836501703	427570.834994192	3019.052301584662	2935.38895021087	2900.2618186707696	2900.043004034797	35.1270703	39.93210390628996
539	18	13119	-15811.14133	803617.3170250766	-00.85553	339525.8862510699	427570.834994192	3019.052301584662	2935.38895021087	2900.043004034797	2900.043004034797	39.93210390628996	39.93210390628996
540	18	13120	-15011.14133	803617.3170250766	-00.8529757	339726.9384421405	427499.854111773	3019.50696137587	2932.521255910237	2898.224017240031	2898.336728568813	44.29724317	44.184577340423756
541	18	13121	-14541.14133	803617.3170250766	-00.8505615	339927.8852809175	427495.874928367	3019.182915891412	2932.521255910237	2898.224017240031	2898.336728568813	44.29724317	44.184577340423756
542	18	13122	-13881.14133	803617.3170250766	-00.8483273	340129.034613827	427491.89267362	3018.79617110056374	2929.62773933558	2890.790965552392	2880.8398529176025	48.628546655321	47.99812687647515
543	18	13123	-13211.14133	803617.3170250766	-00.8460031	340330.0386581196	427487.90671885	3018.79617110056374	2929.62773933558	2890.790965552392	2880.8398529176025	48.628546655321	47.99812687647515
544	18	13124	-12561.14133	803617.3170250766	-00.8436789	340531.132654109	427483.922521887	3020.226092719157	2926.706828729157	2881.6621581064414	2881.9040803240055	47.2664047664725	44.80462548910225
545	18	13125	-11901.14133	803617.3170250766	-00.8413547	340732.181567244	427479.93733569	3020.226092719157	2926.706828729157	2881.6621581064414	2881.9040803240055	47.2664047664725	44.80462548910225
546	18	13126	-11241.14133	803617.3170250766	-00.8393005	340933.230247375	427475.952761291	3022.382364846336	2926.716629572954	2886.108364794146	2886.42739989137	37.33442350648138	37.33442350648138
547	18	13127	-10621.14133	803617.3170250766	-00.8374938	341134.3722729524	427471.98798	3022.382364846336	2926.716629572954	2886.108364794146	2886.42739989137	37.33442350648138	37.33442350648138
548	18	13128	-9921.141327	803617.3170250766	-00.834382	341335.3271	427467.983574484	3022.85559090977	2920.789025792727	2890.309215311293	2890.1573767672	30.46810514814322	30.271650902545164
549	18	13129	-9261.141327	803617.3170250766	-00.83191207	-00.8320578	341536.375267031	3022.85559090977	2920.789025792727	2890.309215311293	2890.1573767672	30.46810514814322	30.271650902545164
550	18	13130	-8601.141327	803617.3170250766	-00.8297336	341737.4230343975	427460.01504413	3022.7899014706393	2917.79725991548	2893.1067500732397	2893.200040386933	24.659764045647	24.597864045647
551	18	13131	-7941.141327	803617.3170250766	-00.8274904	341938.471188406	427456.03102505	3019.74007405939	2916.2971335265477	2893.745936354647	2893.745936354647	22.5619711800982	22.5619711800982
552	18	13132	-7281.141327	803617.3170250766	-00.8250582	342191.5189717443	427442.004727006	3019.605054689705	2914.798727719183	2893.7724348912516	2893.888888888889	21.0222628804673	20.98591706897287
553	18	13133	-6631.141327	803617.3170250766	-00.822781	342394.566493865	427438.96381489	3019.605054689705	2914.798727719183	2893.7724348912516	2893.888888888889	21.0222628804673	20.98591706897287
554	18	13134	-6011.141327	803617.3170250766	-00.8204568	342541.9147619239	427434.08119201	3019.50202544563	2914.798727719183	2893.7724348912516	2893.888888888889	21.0222628804673	20.98591706897287
555	18	13135	-5501.141327	803617.3170250766	-00.8181126	342742.66182542	427440.06788877	2994.996180738831	2910.28403822388	2930.33691917635	2900.28915587672	19.9541230437302	19.9541230437302
556	18	13136	-4641.141327	803617.3170250766	-00.8157883	342943.7083	427436.11362396	2987.842862334945	2908.781598517047	2889.05375186323	2888.935623579557	19.7274033414608	19.7274033414608
557	18	13137	-3981.141327	803617.3170250766	-00.8134641	343144.75525850046	427432.13062433	2980.7746057819	2907.2776719350713	2888.083968462276	2888.091640954494	19.1938058884372	19.18597783967305
558	18	13138	-3321.141327	803617.3170250766	-00.8113399	343345.802669421	427428.147701919	2987.842862334945	2907.2776719350713	2888.083968462276	2888.091640954494	19.1938058884372	19.18597783967305
559	18	13139	-2661.141327	803617.3170250766	-00.8088157	343548.4487225814	427424.165121543	2988.58552334043	2904.26716804973	2885.51257678599	2885.338915523286	18.7551399158357	18.7551399158357
560	18	13140	-2001.141327	803617.3170250766	-00.8064191	343749.82256767	427420.19211709	2988.58552334043	2904.26716804973	2885.51257678599	2885.338915523286	18.7551399158357	18.7551399158357
561	18	13141	-1341.141327	803617.3170250766	-00.8041673	343948.941574167	427416.200272907	2987.528857747735	2901.251020536795	2881.811283567026	2882.044070970232	17.339678954873	17.339678954873
562	18	13142	-681.1413269	803617.3170250766	-00.801841	344149.9877750036	427412.21066928	2986.50020746561	2900.738648040416	2880.358579953485	2880.592652360034	19.38007111	19.38007111
563	18	13143	-21.14132693	803617.3170250766	-00.7995188	344351.0338	427408.23609096	2986.50020746561	2900.738648040416	2880.358579953485	2880.592652360034	19.38007111	19.38007111
564	18	13144	638.856730733514	803617.3170250766	-00.7971946	344552.071976532	427404.254256811	2987.16702841762	2896.7041492123493	2878.674090502413	2879.28588941076	17.82500970938696	17.82500970938696
565	18	13145	1298.856730733514	803617.3170250766	-00.7948704	344753.125499808	427428.147701919	2987.842862334945	2907.2776719350713	2888.083968462276	2888.091640954494	19.1938058884372	19.18597783967305
566	18	13146	1958.856730733514	803617.3170250766	-00.7925462	344964.17105191026	427396.291068189	2986.7041492123493	2896.7041492123493	2878.674090502413	2879.28588941076	17.82500970938696	17.82500970938696
567	18	13147	2618.856730733514	803617.3170250766	-00.7902787	345169.1785191026	427382.361968189	2985.51257678599	2904.26716804973	2885.51257678599	2885.338915523286	18.7551399158357	18.7551399158357
568	18	13148	3278.856730733514	803617.3170250766	-00.7879584	345356.261705191026	427368.32845094	2984.351122934615	2890.564406151864	2883.2488796701874	2883.2488796701874	17.339678954873	17.339678954873
569	18	13149	3938.856730733514	803617.3170250766	-00.7855736	345557.3068220023	427354.347524487	2983.163360185037	2889.018627032853	2886.127011988581	2886.127011988581	17.339678954873	17.339678954873
570	18	13150	4598.85673073351	803617.3170250766	-00.7832494	345758.359107236	427346.36742656	2982.925574358003	2884.453731471874	2889.5053196508416	2891.01539357977	0	0
571	18	13151	5258.85673073351	803617.3170250766	-00.7809251	345959.3694913307	427338.588898135	2982.925574358003	2884.453731471874	2889.5053196508416	2891.01539357977	0	0
572	18	13152	5918.85673073351	803617.3170250766	-00.7786009	346160.441437321	427332.40546813	2982.925574358003	2884.453731471874	2889.5053196508416	2891.01539357977	0	0
573	18	13153	6578.85673073351	803617.3170250766	-00.7762314	346361.4859757681							

ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
651	18	1322	60336.8586770335	803617.3170250766	39.08174279727718	-100.5949884	362042.5151	4237058.465803662	2805.294884733983	2731.9151875113416	2732.0572663993192	40.04738697914081	39.90581797299202	
652	18	1322	60171.8586770335	803617.3170250766	39.08173882576805	-100.5926462	362243.5484417555	4237054.498	2848.450564921968	2730.623672798513	2728.263035	40.04738697914081	41.29597782652625	
653	18	1323	60336.8586770335	803617.3170250766	39.08172480938713	-100.593634	362444.5616497211	4237050.33117027	2848.684451099633	2729.2924867147278	2728.9798584043925	42.9441858403025	43.145178037335765	
654	18	1324	60038.8586770335	803617.3170250766	39.08173074807434	-100.5880158	362645.614724355	4237065.564311054	2847.762225973038	2767.9691213960748	2773.3010485	42.72312002619696	44.65711673361585	
655	18	1325	60698.8586770335	803617.3170250766	39.08172664188976	-100.5856916	362846.6476658097	4237042.59475909	2843.544684130673	2765.652400200299	2724.650047767274	42.05169223482517	42.44370213039474	
656	18	1326	61358.8586770335	803617.3170250766	39.0817224081337	-100.5833674	363047.6804743252	4237038.63005279	2842.361364036726	2728.654940726085	2728.4981673575	36.8642326406403	36.84154730102773	
657	18	1327	60628.8586770335	803617.3170250766	39.08171820484516	-100.5810432	363248.31731509624	4237034.664291931	2841.863094897612	2762.03629451473	2732.991023668386	31.0452673255278	31.03071224309627	
658	18	1328	62678.8586770335	803617.3170250766	39.08171405396518	-100.578719	363449.745693328	4237030.69767526	2842.07129653984	2762.736887287381	2736.882709009288	27.03703642736528	25.83978818092655	
659	18	1329	63336.8586770335	803617.3170250766	39.0817076978233395	-100.576848	363645.2181042259	4237028.79893686	2761.442407432705	2738.7558232755	2740.093488726421	21.88714536370655	21.5413398516846338	
660	18	1330	63986.8586770335	803617.3170250766	39.081710543758981	-100.574706	363851.01028295034	4237022.7657871201	2841.525019414237	2753.152204573387	2739.913862007015	20.233594548372	19.8310784548195	
661	18	1341	64658.8586770335	803617.3170250766	39.08170100265054	-100.5717464	364052.8192582694	4237018.799385913	2843.09512023305	2758.868717231135	2736.4675336444425	27.376749424730373	27.31071926081895	
662	18	1342	65318.8586770335	803617.3170250766	39.08169664167396	-100.5694222	364253.8745444892	4237014.834	2842.656005153385	2757.588523873597	2731.720884348603	27.81661225209134	25.72729670483833	
663	18	1343	65978.8586770335	803617.3170250766	39.08169217630857	-100.567098	364454.90642854397	4237010.688716527	2843.843058713334	2756.3124045833532	2727.121732	29.19672113385052	29.13581398295917	
664	18	1344	66638.8586770335	803617.3170250766	39.08167860697659	-100.5647378	364655.831808303	4237006.903361691	2842.651604595476	2755.040437288208	2723.16669808485	27.22134768322376	31.85373918975304	
665	18	1345	67298.8586770335	803617.3170250766	39.08168311095955	-100.5624498	364856.96960200533	4237002.931712946	2842.46017313199183	2753.772512463564	2720.013654567502	27.22107376112545	33.6597788615222	
666	18	1346	67938.8586770335	803617.3170250766	39.081678511001584	-100.5601254	365058.0122927258	4236998.97145323	2842.268740043804	2752.508381173353	2717.428106618191	35.08227455114452	34.96649311334415	
667	18	1347	68618.8586770335	803617.3170250766	39.081673866115814	-100.5558172	365259.0268518467	4236995.08287369	2842.338209376821	2749.75789892562	2713.116905547005	27.414486812724	36.111053379913	
668	18	1348	69278.8586770335	803617.3170250766	39.08166918	-100.554747	365460.036809157	4236994.03586621	2842.66857516421	2749.90558104283	2713.152831355363	37.134400971405	36.83724562101323	
669	18	1349	69938.8586770335	803617.3170250766	39.0816644166912	-100.5531528	365661.0490789648	4236987.079053876	2842.998412563145	2747.76359621447	2713.148685292513	37.1563818559278	37.127776546123	
670	18	1350	70598.8586770335	803617.3170250766	39.08165966210226	-100.5508286	365862.125048386	4236983.101	2842.3239031796207	2748.457400500916	2709.625257766483	37.86042732687655	37.14712401348016	
671	18	1351	71258.8586770335	803617.3170250766	39.08165485376555	-100.548904	366063.1567191903	4236984.158014548	2842.365838	2746.2377662302373	2709.9389398427	37.7766756580467	38.323663888953	
672	18	1352	71819.8586770335	803617.3170250766	39.08164969631139	-100.5461802	366264.1874935197	4236975.18644145	2840.106530785015	2746.0226081095	2706.125646547376	37.70109541384333	38.69696053719244	
673	18	1353	72336.8586770335	803617.3170250766	39.08164496947036	-100.543615	366465.2181042259	4236971.22354741	2838.30613535574	2744.9681271745891	2704.240073418452	37.6902453234964	38.5902453234964	
674	18	1354	72336.8586770335	803617.3170250766	39.08164009495444	-100.5415318	366656.2486226232	4236967.258538361	2835.593928249581	2742.5086442427222	2707.3829615028193	37.7020837525255	40.1258249453297	
675	18	1355	72898.8586770335	803617.3170250766	39.08163500926184	-100.5392077	366867.278475595	4236963.295307326	2834.2469570070062	2741.27013500646	2700.587346665453	40.15686268319276	40.7574918337176	
676	18	1356	74558.8586770335	803617.3170250766	39.08163004201533	-100.5368835	367068.390140055	4236963.31925133	2833.810439304114	2740.0314565494	2698.87354323955	26.98179355986935	41.1631023108277	
677	18	1357	75218.8586770335	803617.3170250766	39.08162484212806	-100.5345593	367269.320034053	4236959.38870726	2833.8108110478	2738.796939730646	2697.3135163225597	26.987164911805695	41.63202793035953	
678	18	1358	75878.8586770335	803617.3170250766	39.08161980951869	-100.5322521	367470.3913917377	4236951.406	2832.93732910237	2737.561388781804	2696.034536330417	26.987164911805695	41.73919533460928	
679	18	1359	76538.8586770335	803617.3170250766	39.0816149692529358	-100.5298168	367671.3986456259	4236947.424804741	2832.93732910237	2737.561388781804	2696.034536330417	41.73919533460928	42.14329416540446	
680	18	1360	77198.8586770335	803617.3170250766	39.08161009495444	-100.5275867	367872.4604303952	4236943.780483952	2832.93732910237	2737.561388781804	2696.034536330417	41.73919533460928	42.14329416540446	
681	18	1361	77858.8586770335	803617.3170250766	39.08160412046668	-100.5252625	368073.5481765003	4236939.51748913	2832.382831430923	2733.8580532808524	2692.373303901472	26.98239459162092	41.4637623474316	
682	18	1362	78518.8586770335	803617.3170250766	39.0815980852617	-100.5229383	368274.4870000525	4236935.55052595	2832.246611022584	2733.6246611022584	2691.5568323694	26.98239459162092	41.4637623474316	
683	18	1363	79178.8586770335	803617.3170250766	39.08159304264707	-100.5206141	368475.5169861904	4236931.59250477	2831.2109791137835	2731.391809186844	2690.989719231196	26.98108832032082	40.40209726	
684	18	1364	79838.8586770335	803617.3170250766	39.081588036430435	-100.5182899	368676.546050904	4236927.63078267	2829.610293186374	2730.159530186374	2690.238474093825	26.98239459162092	40.40209726	
685	18	1365	80498.8586770335	803617.3170250766	39.08158258169524	-100.5159857	368877.5710508661	4236923.68	2827.980622718333	2728.327768205272	2688.310218	26.9837414936173	39.81768493731195	
686	18	1366	81158.8586770335	803617.3170250766	39.08157709	-100.5136415	369078.604022029	4236919.04022029	2828.30613535574	2727.96910254375	2688.04827768085	26.9837414936173	39.81768493731195	
687	18	1367	81818.8586770335	803617.3170250766	39.081571314115025	-100.5113173	369279.6328010401	4236915.74565472	2827.980622718333	2728.327768205272	2688.310218	26.9837414936173	39.81768493731195	
688	18	1368	82478.8586770335	803617.3170250766	39.08156595354047	-100.5089932	369480.6147244894	4236911.741539085	2825.5258246207	2725.23553391327	2684.54789909711	26.984350203071301	40.8525644835264	
689	18	1369	83138.8586770335	803617.3170250766	39.08156032103916	-100.506669	369681.690080353	4236907.82207295	2822.280587344441	2724.001846788965	2682.5359826832287	26.9827344712517	41.4658410574082	
690	18	1370	83798.8586770335	803617.3170250766	39.0815546436439	-100.5043448	369882.71841812006	4236903.96182499	2821.008854024067	2722.765578294714	2680.438078	26.98012736520086	42.32750051	
691	18	1371	84458.8586770335	803617.3170250766	39.081548921362106	-100.5020206	370083.747621073175	4236900.86190675	2819.450581983012	2721.528994	2678.2875046994436	26.98012736520086	42.32750051	
692	18	1372	85118.8586770335	803617.3170250766	39.08154314516035	-100.4996944	370284.7746055057	4236895.940150705	2817.6065581405	2720.28614412274	2676.164616480146	26.97543529708414	42.121973208942	
693	18	1373	85678.8586770335	803617.3170250766	39.08153709211914	-100.4973678	370485.804200861	4236891.286290497	2815.91218693042	2719.09137178804	2674.0240321798024	26.97543529708414	42.121973208942	
694	18	1374	86438.8586770335	803617.3170250766	39.081531485196375	-100.495048	370686.8308014333	4236888.019137265	2813.917813055326	2717.961774477911	2671.92173438021	26.97543529708414	42.121973208942	
695	18	1375	87098.8586770335	803617.3170250766	39.08152553031037	-100.4927238	370887.858	4236884.05878053	2812.98397369737	2716.557093234626	2669.6823321866633	26.96916805068327	40.7388276299587	
696	18	1376	87758.8586770335	803617.3170250766	39.0815196365881	-100.4903996	371088.8862423812	4236880.98779497	2812.98397369737	2716.557093234626	2669.6823321866633	26.96916805068327	40.7388276299587	
697	18	1377	88418.8586770335	803617.3170250766	39.08151364483584	-100.4880754	371289.9137758912	4236878.13885434	2812.98397369737	2716.557093234626	2669.6823321866633	26.96916805068327	40.7388276299587	
698	18	1378	89078.8586770335	803617.3170250766	39.081507084114									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SanthBothKrg.ft	SanthBoth.ft
37	19	13357	-347181.1413	804277.3170250766	39.07751816957128	-102.0220216	238578.9787114858	4329727.068511621	3925.1041623432303	378.01906067475154	3808.217857732868	3809.4686911595893	30.79820301464723	29.5473695164617
38	19	13358	-346521.1413	804277.3170250766	39.07754174003434	-102.0198421	238701.340846355	4329722.956376875	3915.201777571715	3837.6354978276927	3802.4352496180592	3803.581269503937	35.181672458344	34.23940132
39	19	13359	-345961.1413	804277.3170250766	39.07756530347774	-102.0170684	238881.2639686378	4329718.928472799	3913.4102555514854	3836.252707355664	3791.725459711158	3798.201452949197	38.52727473408963	38.051267813625
40	19	13360	-345201.1413	804277.3170250766	39.077588804113385	-102.0150444	239071.1825370138	4329714.8586374475	3924.86721210525	3834.867212126124	3794.31351582572	3794.2748178598913	40.1859233004195	40.20023366232945
41	19	13361	-344541.1413	804277.3170250766	39.0776112635972774	-102.0127205	239383.59025002707	4329710.789816932	3932.364791850503	3833.478406735394	3791.640431166446	3791.3965466789455	41.83796361874935	42.08334195
42	19	13362	-343881.1413	804277.3170250766	39.0776357489395	-102.0103966	239584.742087217	4329706.719595461	3936.3668599049	3832.05865	3789.816314588016	3789.614983502148	42.62990770517381	42.470701610880496
43	19	13363	-343221.1413	804277.3170250766	39.07765904119556	-102.0080727	239785.896467287	4329702.651175	3895.34728862781	3830.688364658745	3788.43158206272	3788.25943230762	42.51206452472616	42.0993235108295
44	19	13364	-342561.1413	804277.3170250766	39.07768236257864	-102.0057488	239987.0476883416	4329698.581171912	3896.146786671349	3829.26589173566	3787.180392452738	3787.93484680694	42.10530476163285	42.05982623693726
45	19	13365	-341901.1413	804277.3170250766	39.07770563914214	-102.0034248	240188.1986539639	4329694.12229951	3903.61165514854	3828.252707355664	3785.92744356015	3785.92744356015	41.84681368800704	41.84681368800704
46	19	13366	-341241.1413	804277.3170250766	39.07772871288096	-102.0011011	240389.351357780	4329690.43455612	3906.49135584177	3826.86111562435	3784.496704714317	3784.41966533947	41.574411109209175	41.574411109209175
47	19	13367	-340581.1413	804277.3170250766	39.07775205818093	-101.9987772	240590.5020589882	4329686.4745512	3906.90485451288	3825.037777459157	3782.7943198540347	3782.575178788275	41.26453789188101	42.06258950878176
48	19	13368	-339921.1413	804277.3170250766	39.077775200191176	-101.9964533	240791.653996965	4329682.306416881	3904.740696913335	3823.605717801142	3781.049287308422	3781.367468570866	42.5564849256592	43.23830494505347
49	19	13369	-339261.1413	804277.3170250766	39.0777982731931	-101.9941294	240992.8049370537	4329678.238	3902.57148334359	3822.1639422692156	3779.432653825086	3778.058989	44.10497285545404	44.10497285545404
50	19	13370	-338601.1413	804277.3170250766	39.0778213495627	-101.991805	241193.9556076228	4329674.170055672	3903.3619297577468	3821.710155471447	3778.2518176	3775.606994599458	44.1991791615848	44.1991791615848
51	19	13371	-337941.1413	804277.3170250766	39.07784635692504	-101.9894816	241396.1602716097	4329670.102129123	3895.145698384423	3819.245808384423	3777.796428572093	3777.796428572093	44.4893794715424	44.4893794715424
52	19	13372	-337281.1413	804277.3170250766	39.077867319410565	-101.987157	241596.25619159616	4329666.034371934	3886.9235247445304	3817.7668391311396	3777.9414	3776.92469587733	45.82543878730909	45.82543878730909
53	19	13373	-336621.1413	804277.3170250766	39.07789023700977	-101.9848338	241797.0406909457	4329661.96784096	3878.70109426158	3816.272740165118	3778.32018036921	3778.0560260389	45.8105567683975	45.8105567683975
54	19	13374	-335961.1413	804277.3170250766	39.0779131097263	-101.982509	241988.5557045932	4329657.89936505	3870.47682717873	3814.76204357873	3778.9515421674796	3778.9515421674796	45.78553117073936	45.78553117073936
55	19	13375	-335301.1413	804277.3170250766	39.07793593756111	-101.980186	242199.7054584547	4329653.82116454	3871.787340836134	3813.233357	3778.70045946454	3776.9452865519396	45.7320568517592	45.7320568517592
56	19	13376	-334641.1413	804277.3170250766	39.0779587	-101.9778621	242400.854298464	4329649.76503664	3860.8283051782346	3811.6850577092973	3780.4337497167156	3778.92437793137	45.68109251516354	45.68109251516354
57	19	13377	-333981.1413	804277.3170250766	39.07798146585282	-101.975382	242602.003702525	4329645.69811255	3860.46887273631	3810.11531297851	3781.520396315856	3776.821396355403	45.6966960510467	45.6966960510467
58	19	13378	-333321.1413	804277.3170250766	39.07800415	-101.9732143	242803.1517994057	4329641.631348496	3900.109447629111	3808.52172	3782.87172397108	3775.64965353388	45.6966970731584	45.6966970731584
59	19	13379	-332661.1413	804277.3170250766	39.07802697007445	-101.970864	243019.205025413	4329637.5300175002	3895.800644272644	3807.5300175002	3782.87172397108	3775.64965353388	45.6966970731584	45.6966970731584
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61	19	13381	-331341.1413	804277.3170250766	39.07807196203571	-101.9662426	243406.596157337	4329629.342177341	3898.6889852517576	3803.586642155667	3785.764858	3782.9627742734713	45.6966970731584	45.6966970731584
62	19	13382	-330681.1413	804277.3170250766	39.07809447562346	-101.9639186	243607.7438	4329625.36113389	3896.1939016868	3801.88832	3785.19118938733	3781.6849784661706	45.6966970731584	45.6966970731584
63	19	13383	-330021.1413	804277.3170250766	39.0781169446625	-101.9615947	243808.89112350584	4329621.300218724	3890.9864593703905	3800.162360496244	3783.54752755394	3779.390111660315	45.6966970731584	45.6966970731584
64	19	13384	-329361.1413	804277.3170250766	39.0781393683151	-101.9592708	244010.0382254358	4329617.24333434	3883.0673820820976	3800.48099465358	3781.3920370317537	3775.6273506260554	45.6966970731584	45.6966970731584
65	19	13385	-328701.1413	804277.3170250766	39.07816174367575	-101.9569846	244211.1867054346	4329613.168837231	3875.148323299983	3789.658269269893	3778.545619232856	3778.545619232856	45.6966970731584	45.6966970731584
66	19	13386	-328041.1413	804277.3170250766	39.07818914911235	-101.9546423	244412.3198149213	4329609.4330538	3870.591254719786	3784.81091254719786	3775.546889171005	3775.546889171005	45.6966970731584	45.6966970731584
67	19	13387	-327381.1413	804277.3170250766	39.078206370733845	-101.9522291	244613.47809911864	4329605.9332807	3865.10220336347	3792.978101881445	3775.31373157045	3770.2063248336185	45.6966970731584	45.6966970731584
68	19	13388	-326721.1413	804277.3170250766	39.0782261509353	-101.9499751	244814.6240969433	4329600.97328449	3868.767128216469	3791.91170951864	3770.26393813264	3768.2749580553704	45.6966970731584	45.6966970731584
69	19	13389	-326061.1413	804277.3170250766	39.078258014570225	-101.9476512	245015.7699318706	4329596.90405399	3862.242096105537	3789.2225900402577	3767.721315861384	3766.707924050665	45.6966970731584	45.6966970731584
70	19	13390	-325401.1413	804277.3170250766	39.07827296916392	-101.9453273	245216.9511359503	4329592.844	3876.09740396637	3787.304366396263	3766.709024281204	3766.709024281204	45.6966970731584	45.6966970731584
71	19	13391	-324741.1413	804277.3170250766	39.07829507874554	-101.9430034	245418.0606434396	4329588.791549455	3868.263649112867	3785.399945995959	3764.638166557594	3765.627481755044	45.6966970731584	45.6966970731584
72	19	13392	-324081.1413	804277.3170250766	39.07831743770257	-101.9406794	245619.205025413	4329584.714783474	3879.391869504475	3783.39821364475	3760.225761815494	3760.225761815494	45.6966970731584	45.6966970731584
73	19	13393	-323421.1413	804277.3170250766	39.07833936346464	-101.9383555	245820.357454632	4329580.650841418	3878.6015970169897	3781.392899124861	3762.392571257195	3762.392571257195	45.6966970731584	45.6966970731584
74	19	13394	-322761.1413	804277.3170250766	39.07836113871806	-101.9360316	246021.49541339585	4329576.586544	3880.264567287914	3779.371488	3760.98957524484	3759.05667743244	45.6966970731584	45.6966970731584
75	19	13395	-322101.1413	804277.3170250766	39.0783836889658	-101.9337077	246222.378396595	4329572.52882718	3877.10959560537	3777.325858	3758.888036580704	3757.340271297128	45.6966970731584	45.6966970731584
76	19	13396	-321441.1413	804277.3170250766	39.0784045419128	-101.9313837	246423.7838091737	4329568.45898183	3870.1232770707	3775.256805464154	3756.254804801853	3754.488237187147	45.6966970731584	45.6966970731584
77	19	13397	-320781.1413	804277.3170250766	39.07842679460284	-101.9290598	246624.9278721469	4329564.395	3863.1374874967435	3773.165128824802	3753.138125478942	3753.138125478942	45.6966970731584	45.6966970731584
78	19	13398	-320121.1413	804277.3170250766	39.0784485913073	-101.926739	246826.01719450287	4329560.32106684	3856.151970160895	3771.65214989838	3749.52421	3747.08436718798	45.6966970731584	45.6966970731584
79	19	13399	-319461.1413	804277.3170250766	39.0784703757541	-101.924426	247028.0548196372	4329556.209101158	3848.263649112867	3769.61521369386	3744.684794862554	3744.684794862554	45.6966970731584	45.6966970731584
80	19	13400	-318801.1413	804277.3170250766	39.07849204553667	-101.922088	247228.357702335	4329552.2050910115	3843.322671970918	3769.7761125159934	3739.191620765184	3739.191620765184	45.6966970731584	45.6966970731584
81	19	13401	-318141.1413	804277.3170250766	39.07851370144414	-101.919764	247429.500691666	4329548.140337372	3837.097279008056	376				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.Kg.ft	BR/ElevBoth.Kg.ft	Sat/Both.Kg.ft	Sat/Both.ft
163	19	13483	-264021.1413	804277.3172502676	39.08013715725738	-101.7291967	369222.37832438684	4329215.564489931	3341.512351801311	3547.14903923222535	3464.7038995318608	3461.339263563885	82.4540949	85.80989897
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165	19	13485	-262701.1413	804277.3172502676	39.08017286330155	-101.7244486	364324.6358583954	4329207.466949402	3542.2864745753214	3541.0632474878164	3464.144463	3461.176148764663	79.8891246923698	79.8891246923698
166	19	13486	-262041.1413	804277.3172502676	39.0801908284613	-101.7222455	364525.78855659057	4329153.48800537	3531.273536229777	3531.273536229777	3468.325569	3461.1761378400451	64.950076195732	70.2121572482614
167	19	13487	-261381.1413	804277.3172502676	39.08020682064224	-101.7199005	364276.86785984525	4329199.30717475	3526.8127679779063	3526.8127679779063	3466.446107586657	3460.619281791503	60.36666637024924	66.19348618603453
168	19	13488	-260721.1413	804277.3172502676	39.080226365472066	-101.7175764	3645427.0896613826	4329153.322017526	3528.904169990809	3528.904169990809	3465.77706534652	3460.065142767593	63.8309273204457	68.8309273204457
169	19	13489	-260061.1413	804277.3172502676	39.08024405645955	-101.7152524	365129.1112304012	4329191.274208866	3530.995572018124	3528.7951915853146	3464.984184385207	3459.048746922167	60.3760772169383	69.51271466270282
170	19	13490	-259401.1413	804277.3172502676	39.08026176255108	-101.7129283	365330.23256709485	4329187.2726	3533.086974038125	3525.7069741873587	3463.740899765802	3458.2647818677698	61.96607412551734	67.64268631058394
171	19	13491	-258741.1413	804277.3172502676	39.080279383780455	-101.710643	365531.25267167403	4329183.718572767	3538.398994394784	3522.6185849017936	3462.1623366591578	3456.6562672471275	60.48495142576599	64.45483167760317
172	19	13492	-258081.1413	804277.3172502676	39.08029696006297	-101.7082802	365732.4764434534	4329178.13017418	3522.8340512219332	3519.5071859071463	3460.23332006939	3455.032800114387	50.273965381071	54.4744959
173	19	13493	-257421.1413	804277.3172502676	39.080314495118635	-101.7059562	365933.5551853115	4329175.830775065	3515.468302004327	3457.9930807908045	3453.213675340878	3442.25212325627	62.542666344902	62.542666344902
174	19	13494	-256761.1413	804277.3172502676	39.080331978067434	-101.7036321	366134.7155947784	4329171.036613753	3508.002552786632	3508.002552786752	3455.509099022089	3451.61126296902	52.4934576466317	56.69092668713074
175	19	13495	-256101.1413	804277.3172502676	39.0803493	-101.7013801	366335.8357725067	4329166.96836319	3503.4054239763636	3503.4054239763636	3452.891861551925	3449.35612720158	50.153624261712	54.048511256347865
176	19	13496	-255441.1413	804277.3172502676	39.0803681650417	-101.698984	366536.9557200328	4329162.48227392	3501.6769155731618	3497.1609155731618	3450.30627668583	3447.054684943189	51.3706387457862	54.622230682656404
177	19	13497	-254781.1413	804277.3172502676	39.08038416835094	-101.69666	366730.945632289	4329158.9897876	3499.948407	3499.948407	3447.9953309710136	3445.8095794821057	51.95360719964264	54.138227687790126
178	19	13498	-254121.1413	804277.3172502676	39.08040147530929	-101.6943359	366939.1949217465	4329154.849715058	3498.219898766758	3498.219898766758	3446.0118952131447	3444.296085495404	52.20800355381325	53.9238121720859
179	19	13499	-253461.1413	804277.3172502676	39.080418737506825	-101.6920118	367140.134176784	4329150.803411629	3497.51518809022	3497.518432155513	3444.473206894865	3443.813124627841	52.786320664775	54.76881837710326
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181	19	13501	-252141.1413	804277.3172502676	39.080453127073234	-101.6873637	367542.551996255	4329142.711301221	3496.953215768632	3496.250683626308	3442.0413850744717	3441.93485247381	49.2146346713207	50.94107019402554
182	19	13502	-251481.1413	804277.3172502676	39.08047052452572	-101.6850396	367743.670561093	4329140.66512225	3499.592244517017	3488.0831162648271	3440.7945310466007	3439.9802815677384	49.0923847030837	49.0923847030837
183	19	13503	-250821.1413	804277.3172502676	39.0804937309102	-101.6827156	367944.7889672825	4329140.61982869	3502.491521418803	3484.904151481521	3439.3692261584383	3437.480995145343	45.5349253208246	47.423192336717635
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185	19	13505	-249501.1413	804277.3172502676	39.08052136755886	-101.6780428	368342.6287849157	4329129.463128897	3509.6291154219587	3478.6321983885974	3436.827315454289	3430.87715454289	41.36741034	41.36741034
186	19	13506	-248841.1413	804277.3172502676	39.080538154536556	-101.6757344	368548.142525311	4329122.484004095	3517.970034370343	3475.393582952992	3435.851036765587	3431.8252614964463	41.4885219304051	43.49429677285298
187	19	13507	-248181.1413	804277.3172502676	39.08055554879881	-101.6734193	368749.2594453277	4329119.430940952	3520.468778390274	3472.100968644266	3431.41270814934	3429.341492477	40.72862172	42.819513445836
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189	19	13509	-246861.1413	804277.3172502676	39.08059088985028	-101.6687712	369151.49409638	4329110.4642828	3525.1472012050197	3465.792519535254	3426.092324	3423.344992598673	36.3071758605186	42.384595936505
190	19	13510	-246201.1413	804277.3172502676	39.08060568240407	-101.6664471	369352.610629337	4329106.30192335	3519.982722123925	3462.518274841575	3423.042583353997	3420.632962479473	39.11569148617582	41.8853118936312
191	19	13511	-245541.1413	804277.3172502676	39.08062236187112	-101.664123	369563.727336458	4329102.968910251	3517.6521111102895	3459.30625722004	3420.858621408728	3419.07715454289	39.4037715454289	41.36741034
192	19	13512	-244881.1413	804277.3172502676	39.08063930627621	-101.66179	369754.6436121287	4329098.217675659	3515.23006570377	3452.742162191271	3419.03547930056	3414.90341794374	39.1194801145904	41.7764307142447
193	19	13513	-244221.1413	804277.3172502676	39.0806559349212	-101.6594749	369955.956619996	4329094.172851279	3508.6537022476733	3452.855821902728	3416.8462299875008	3414.76119329415	36.0095611522755	40.0794025078663
194	19	13514	-243561.1413	804277.3172502676	39.08067228274632	-101.6571508	370157.0754844632	4329090.129	3504.154497862073	3449.64299405327	3414.959066132478	3410.7972044804696	34.63467132748834	38.8247449248741
195	19	13515	-242901.1413	804277.3172502676	39.08068862662964	-101.6548267	370358.1910797256	4329086.085	3502.8655059288306	3446.38736615744	3413.089475267725	3408.45915230405	33.6016890897167	37.934721385330344
196	19	13516	-242241.1413	804277.3172502676	39.0807035269023	-101.6525027	370559.360447994	4329082.00225683	3504.786736681372	3445.135226407616	3411.145625327824	3406.4668195132333	31.9996971292776	36.7678102751931
197	19	13517	-241581.1413	804277.3172502676	39.0807217983536	-101.6501798	370760.4215894703	4329077.998735687	3506.70946706707	3439.86713027	3408.971335127929	3404.4589785917088	30.526530446678126	35.43888402151916
198	19	13518	-240921.1413	804277.3172502676	39.08073816987256	-101.6478454	370961.5365043591	4329073.955504427	3508.6291915421957	3438.1267484893546	3407.400441	3403.76715454289	29.24536489356427	32.7652435064802
199	19	13519	-240261.1413	804277.3172502676	39.08075545345334	-101.6455304	371162.851192665	4329069.912715361	3503.9406046559	3433.8868539125	3405.476243034736	3401.7221900715986	27.912442281687618	31.6664852526565
200	19	13520	-239601.1413	804277.3172502676	39.08077807293171	-101.6432063	371363.765551972	4329065.69846125	3490.141708494575	3430.127670390966	3403.189256890143	3399.49672030268	26.93481358182267	30.6309181702043
201	19	13521	-238941.1413	804277.3172502676	39.08079741723244	-101.6408822	371564.87891554	4329062.873520011	3497.1753065306	3426.863024917485	3400.818101	3397.445362281	26.049311201872	29.41770210409236
202	19	13522	-238281.1413	804277.3172502676	39.08080337273326	-101.6385582	371765.99400211824	4329057.78491818	3494.205911456575	3423.594611259171	3398.3847300202647	3395.039862757998	25.20989132464696	28.55502494426024
203	19	13523	-237621.1413	804277.3172502676	39.080819562048305	-101.6362341	371967.1077871439	4329053.72656347	3490.06182600173	3420.32249333348	3395.914024	3392.60775829788	24.40847097655876	27.7151324054725
204	19	13524	-236961.1413	804277.3172502676	39.08083570197548	-101.6339	372168.2213488116	4329049.700562896	3489.557046030634	3417.046528039497	3393.420593074973	3390.3003494478126	23.61473506995958	26.7465971328793
205	19	13525	-236301.1413	804277.3172502676	39.08085174620382	-101.631624	372369.0769091438	4329045.33754754	3488.288518575165	3415.126778437567	3391.96413145342	3387.67874356756	22.8038382077282	25.80229598011906
206	19	13526	-235641.1413	804277.3172502676	39.08086784716523	-101.6292618	372570.4470760906	4329041.61	3488.63629675404	3410.48544366954	3389.3868539125	3385.211817579821	21.12083132885092	23.73666791155487
207	19	13527	-234981.1413	804277.3172502676	39.08088385242972	-101.6269377								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatThkLogs.ft	SatThkBoth.ft
189	13609	-180861.1413	804277.1370250766	39.08204352772704	-101.4363592	289862.07216202766	4328706.737034601	3319.490734	3209.4620780182834	3209.5976534951296	3196.9714050184835	30	13.0906709979984	
290	13610	-180201.1413	804277.1370250766	39.082055807195665	-101.434035	289463.16707404893	4328702.7039838815	3306.277674826779	3209.5634000133823	3219.532824872812	3195.4059976172447	30	13.51740239613764	
291	13611	-179681.1413	804277.1370250766	39.0820694774164	-101.431719	289664.2618073594	4328703.683194	3207.683494	3219.4381047020257	3193.828145442917	3183.828145442917	30	13.857618982788214	
292	13612	-178981.1413	804277.1370250766	39.082080023	-101.4293867	289653.3865	4328694.654000656	3284.471628520684	3206.8219224302244	3217.561501368576	3183.07516322747	30	23.746786077668	
293	13613	-178221.1413	804277.1370250766	39.0820937626059	-101.4270625	290006.45005628204	4328690.627458007	3275.336817384049	3205.9783908490103	3178.783026230831	3188.804543105828	30	17.17384731812225	
294	13614	-177561.1413	804277.1370250766	39.08210447616845	-101.4247384	290267.54477473226	4328686.600483012	3266.2058462431216	3205.1525864213363	3213.8980892247164	3187.863237099926	30	17.28935371343065	
295	13615	-176901.1413	804277.1370250766	39.082116531186095	-101.4224412	290486.63868344424	4328682.573675668	3256.19830969221	3204.304670270717	3213.033651811865	3187.0719693940747	30	17.27209542710244	
296	13616	-176241.1413	804277.1370250766	39.08212841313445	-101.42009	290668.7328562566	4328678.5470339605	3242.3167285233926	3202.5326687424594	3212.488582861204	3181.873838198496	30	22.164983632647753	
297	13617	-175581.1413	804277.1370250766	39.0821403655049	-101.4177659	290870.826814781	4328674.5208358286	3228.435147095644	3202.7784380225286	3211.6883389077244	3181.3481719298927	30	21.431420092546887	
298	13618	-174921.1413	804277.1370250766	39.082152426997224	-101.4147747	291071.91712055028	4328670.4942459436	3216.553665737633	3202.022599043483	3210.912875173411	3179.367385049714	30	22.6568745717143	
299	13619	-174261.1413	804277.1370250766	39.08216430233625	-101.4131175	291273.0122250208	4328666.468112903	3209.789608916413	3209.789608916413	3178.48432584622	3178.48432584622	30	22.802615830972627	
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301	13621	-172941.1413	804277.1370250766	39.0821879185932	-101.4084692	291675.178	4328658.416351762	3208.4968439176728	3208.4968439176728	3178.6632482576	3178.6632482576	30	21.2719910131357625	
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303	13623	-171621.1413	804277.1370250766	39.08221135527536	-101.4038208	292077.38253517967	4328650.365251295	3215.8874915	3198.5076584830015	3207.629803389493	3183.34302002585	30	15.16461282744995	
304	13624	-170961.1413	804277.1370250766	39.08222300279726	-101.4014667	292278.474692489	4328646.339952437	3223.60733718129	3197.85284188046	3207.1445454114106	3180.9614819607104	30	16.8913599232351	
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306	13626	-169641.1413	804277.1370250766	39.082246417361704	-101.3968483	292680.5800581813	4328638.289857341	3266.04712972866	3196.58152441906	3207.2621552246997	3182.00343020607	30	14.58273138993012	
307	13627	-168981.1413	804277.1370250766	39.0822576899489	-101.3945241	292881.7495	4328634.265061263	3273.945153593723	3195.97235816368	3207.173488111658	3180.933090239203	30	12.89185172337737	
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309	13629	-167681.1413	804277.1370250766	39.08228059194507	-101.3898758	293283.9318126491	4328626.219571573	3272.021907449326	3190.780734900931	3204.9837658738834	3180.965527225212	30	8.01520678418847	
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311	13631	-166321.1413	804277.1370250766	39.08230393378506	-101.385019	293630.2730252986	4328618.926313589	3246.132752344543	3190.3382760134258	3204.83276134258	3184.15267205744	30	3.8414689285446952	
312	13632	-165681.1413	804277.1370250766	39.08231458255257	-101.3829302	293867.2036911063	4328614.113935328	3249.140753536995	3192.0722680475592	3206.9857882387217	3199.330511078537	30	2.9914511078537	
313	13633	-165021.1413	804277.1370250766	39.08232584254509	-101.3805791	294088.29392154457	4328610.119802547	3234.7550365005907	3192.5168580424424	3205.550786968185	3200.5917925619931	30	2.0450250209719	
314	13634	-164361.1413	804277.1370250766	39.08233704734377	-101.3782549	294289.38394113356	4328606.096179072	3220.369363646495	3191.9657515962354	3206.46123626971	3201.460520209719	30	1.15623259587	
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316	13636	-163041.1413	804277.1370250766	39.08235931668974	-101.3736065	294681.5633725798	4328598.94344597	3229.350262894603	3190.87396338251	3207.9620741134818	3205.46674754537	30	0.2450250209719	
317	13637	-162381.1413	804277.1370250766	39.08237042829582	-101.3712823	294862.6139875557	4328594.026313589	3246.132752344543	3190.3382760134258	3204.83276134258	3184.15267205744	30	0.2450250209719	
318	13638	-161721.1413	804277.1370250766	39.08238140685311	-101.3687276	295083.7419950842	4328590.033603053	3250.915243734826	3189.178075827	3203.133439	3189.178075827	30	0.2450250209719	
319	13639	-161061.1413	804277.1370250766	39.08239238447632	-101.366634	295284.8310034934	4328585.980573984	3266.1820103937844	3189.25426597226	3207.607912	3209.364185111899	30	0.2450250209719	
320	13640	-160401.1413	804277.1370250766	39.0824031732055	-101.3643098	295485.9180102807	4328581.957965374	3285.935031424475	3188.781371248058	3208.6930219510314	3210.75516357542	30	0.2450250209719	
321	13641	-159741.1413	804277.1370250766	39.08241420509395	-101.3618956	295687.0084156499	4328577.935504214	3305.684958911107	3188.1836400119583	3208.254634292729	3212.506622545616	30	0.2450250209719	
322	13642	-159081.1413	804277.1370250766	39.08242504806652	-101.3596614	295898.098196905	4328573.913220498	3325.4351386397743	3187.649362768381	3208.2944839020724	3213.47618490863	30	0.2450250209719	
323	13643	-158421.1413	804277.1370250766	39.08243584614826	-101.3573372	296099.1852295547	4328569.8910401295	3338.613126195564	3187.1148763253545	3207.5180176225483	3213.937042745437	30	0.2450250209719	
324	13644	-157761.1413	804277.1370250766	39.08244693930908	-101.355019	296300.2730252986	4328565.981513587	3346.21911684975	3186.58012903351	3206.917156232587	3214.7156232587	30	0.2450250209719	
325	13645	-157101.1413	804277.1370250766	39.08245730739305	-101.3528888	296501.3680271057	4328561.847373937	3357.81489240418906	3186.045925773261	3205.948077696936	3215.402185521685	30	0.2450250209719	
326	13646	-156441.1413	804277.1370250766	39.08246791704811	-101.3503646	296702.4484283943	4328557.825759921	3358.4302825295834	3185.5124673592595	3205.062696741665	3215.9278663371	30	0.2450250209719	
327	13647	-155781.1413	804277.1370250766	39.08247858956621	-101.3480405	296903.5368255524	4328553.804	3361.173617899684	3184.805891315023	3203.891131100603	3216.52671502601	30	0.2450250209719	
328	13648	-155121.1413	804277.1370250766	39.08248916319337	-101.3457163	297104.6230370295	4328549.73304097	3360.05389196076	3184.45002589177	3203.130253100557	3226.150591426786	30	0.2450250209719	
329	13649	-154461.1413	804277.1370250766	39.08249989192568	-101.3433921	297305.70103212396	4328546.79122278	3358.9341660612886	3183.920136959247	3202.4223879132805	3226.037963274708	30	0.2450250209719	
330	13650	-153801.1413	804277.1370250766	39.08251017577478	-101.3410679	297506.7966339373	4328541.740977835	3357.8144401428006	3183.99032890837	3201.77860541348	3225.835523	30	0.2450250209719	
331	13651	-153141.1413	804277.1370250766	39.08252130454411	-101.3387710	297707.91780774	4328537.120178741	3357.8144401428006	3183.99032890837	3201.77860541348	3225.835523	30	0.2450250209719	
332	13652	-152481.1413	804277.1370250766	39.08253100879724	-101.3364195	297905.7966339373	4328533.699590713	3357.8144401428006	3183.99032890837	3201.77860541348	3225.835523	30	0.2450250209719	
333	13653	-151821.1413	804277.1370250766	39.08254134	-101.3340953	298110.056143359	4328529.679146741	3353.5910622426637	3181.7958939087343	3199.248574611354	3226.608625685994	30	0.2450250209719	
334	13654	-151161.1413	804277.1370250766	39.08255166	-101.3317711	298311.414945927	4328525.658871757	3352.12565629667	3181.261269138006	3198.41036772579	3226.78343290641	30	0.2450250209719	
335	13655	-150501.1413	804277.1370250766	39.08256192164023	-101.3294469	298512.2795649583	4328521.639	3351.3865741453283	3180.7246704268914	3198.4300134772555	3224.45145347207	30	0.2450250209719	
336	13656	-149841.1413	804277.1370250766	39.08257214	-101.3271227	298713.165361492	4328517.618283414	3351.37815878048	3180.186423037377	3198.093235	3224.7620274843363	30	0.24	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatTLogKgr.ft	SatTBothKgr.ft
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416	19	1736	-97041.14133	804277.317025076	39.08324364730265	-101.1411851	141799.573192694	4328196.565085058	3224.396764035296	3116.7160050359	3084.962430362796	3084.962430362796	31.809170146562792	31.77873737818084
417	19	1737	-96811.14133	804277.317025076	39.08325052556587	-101.138869	145900.680418831	4328192.558673941	3225.453642772357	3115.869114511987	3078.02381635725283	3078.02381635725283	31.809170146562792	31.77873737818084
418	19	1738	-97521.14133	804277.317025076	39.08325689593486	-101.1355366	151201.67818090017	4328188.552428971	3224.3139621412784	3114.972027259535	3070.930484470373	3070.92454	30.44157876916248	40.04758714864536
419	19	1739	-95601.14133	804277.317025076	39.083263447413295	-101.1342124	151402.748	4328184.546350918	3223.798893076632	3114.07385934338	3063.6375392589057	3063.5311605895027	30.4388667548218	50.5225070448519
420	19	1740	-94041.14133	804277.317025076	39.0832698999667	-101.1318882	1515603.8177	4328180.543439011	3221.310157096376	3113.17959926914	3056.182611996624	3055.85250823822	54.9698672793162	55.727093273731625
421	19	1741	-93741.14133	804277.317025076	39.08327628696161	-101.1295639	151804.882135227	4328176.534964183	3218.821421092454	3112.279821137549	3049.6364110210347	3049.6364110210347	50.4388667548218	50.5225070448519
422	19	1742	-93081.14133	804277.317025076	39.08328264349208	-101.127297	151806.956292676	4328172.59115928	3112.326685098333	3111.3752470021395	3048.824611766604	3048.824611766604	52.6500331245913	62.84186033749686
423	19	1743	-92421.14133	804277.317025076	39.08328985249011	-101.1249154	151807.025645566	4328167.5364272357	3112.3787322787275	3110.4636837287275	3048.666511	3048.666511	50.80312615910759	51.74566471021596
424	19	1744	-91761.14133	804277.317025076	39.08329521641566	-101.1225912	151808.946192933	4328164.5148397	3112.430562327575	3109.542124508515	3050.273987782334	3050.404191301737	59.2447258125588	59.2447258125588
425	19	1745	-91101.14133	804277.317025076	39.0833014355373	-101.1202669	151809.613399769	4328160.51381011	3103.540329757878	3108.60867881861	3050.462426150425	3050.462426150425	58.14456173143617	57.88733812011096
426	19	1746	-90401.14133	804277.317025076	39.0833076097692	-101.1179427	151810.2319887242	4328156.50849347	3108.921233252797	3105.6352834550376	3050.1427644711634	3050.1427644711634	57.1914577713918	57.06212793803415
427	19	1747	-89871.14133	804277.317025076	39.0833137910735	-101.1156185	151701.3004	4328152.503724407	3106.673734	3049.5275975344	3049.622717595036	3049.622717595036	57.14647415223715	57.0510613064372
428	19	1748	-89211.14133	804277.317025076	39.08331982355286	-101.1132942	151712.366830915	4328148.49145089	3106.0867748290584	3105.680180246688	3048.4788727425796	3048.4788727425796	56.958540308653	56.958540308653
429	19	1749	-88641.14133	804277.317025076	39.08332586310588	-101.11109	151743.43699534253	4328144.494734817	3106.070201483024	3104.591871314347	3047.480438321267	3047.480438321267	56.96498129	56.96498129
430	19	1750	-88017.14133	804277.317025076	39.083331108576632	-101.1086457	151761.45045723575	4328140.490488917	3105.05362676821	3103.455962189695	3046.384854380015	3046.384854380015	57.071071899701	57.167617543156
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432	19	1752	-86841.14133	804277.317025076	39.083343712405944	-101.1039972	151810.613399769	4328132.482	3107.368759385626	3100.890203425542	3045.3996405240193	3045.3996405240193	56.7507387033005	56.7507387033005
433	19	1753	-86281.14133	804277.317025076	39.08334957	-101.101673	151821.7073069453	4328128.475725035	3105.2510394603467	3099.432527125898	3045.0292161391435	3045.0292161391435	56.8303108844265	55.0822042600344
434	19	1754	-85611.14133	804277.317025076	39.083355387482456	-101.0993487	151848.77429325256	4328124.475	3109.133319531256	3097.8682913543603	3044.842621676415	3044.842621676415	55.02666076718735	53.01363301308
435	19	1755	-85011.14133	804277.317025076	39.08336115768002	-101.0970245	151869.81477770064	4328120.47171771	3109.273965291403	3096.216651375397	3044.289156541492	3044.289156541492	55.02666076718735	53.01363301308
436	19	1756	-84341.14133	804277.317025076	39.083366829548	-101.094702	151880.908082618	4328116.46851028	3106.7366729296	3094.46868723243	3043.2506235954	3043.2506235954	55.02666076718735	53.01363301308
437	19	1757	-83671.14133	804277.317025076	39.083372639171582	-101.092467	151901.9781671582	4328112.458450787	3106.146842787553	3093.58020268995	3042.318607158293	3042.318607158293	55.02666076718735	53.01363301308
438	19	1758	-82921.14133	804277.317025076	39.08337819391701	-101.0900517	151922.0416449447	4328108.46252415	3105.174210905036	3090.929674798313	3039.961253530534	3039.961253530534	55.02666076718735	53.01363301308
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441	19	1761	-80541.14133	804277.317025076	39.08339438120206	-101.083079	151926.234557125	4328096.45783564	3104.029466227117	3087.384133918393	3032.413940248604	3032.413940248604	55.02666076718735	53.01363301308
442	19	1762	-79881.14133	804277.317025076	39.08340029206564	-101.0807547	151927.3051991769	4328092.45387581	3103.814217789209	3086.514032068007	3029.571027343428	3029.571027343428	55.02666076718735	53.01363301308
443	19	1763	-79211.14133	804277.317025076	39.08340613312564	-101.078467	151928.37649259579	4328088.45847078	3103.684267238955	3085.318607158293	3028.571027343428	3028.571027343428	55.02666076718735	53.01363301308
444	19	1764	-78541.14133	804277.317025076	39.08341232524935	-101.0761952	151929.45915688215	4328084.45845121	3107.08368	3079.72367447117	3027.5841747434	3027.5841747434	55.02666076718735	53.01363301308
445	19	1765	-77901.14133	804277.317025076	39.08341639056295	-101.073782	151930.5599585794	4328080.464798018	3106.9559985794	3078.33229135696	3026.840262200161	3026.840262200161	55.02666076718735	53.01363301308
446	19	1766	-77241.14133	804277.317025076	39.08342166993856	-101.0714577	151931.5664103611	4328076.452173915	3106.965375734143	3075.831380021294	3025.81746861945	3025.81746861945	55.02666076718735	53.01363301308
447	19	1767	-76581.14133	804277.317025076	39.0834268842411	-101.0691335	151932.63172352286	4328072.443803232	3103.6217102014293	3074.0206464041376	3024.887731744693	3024.887731744693	55.02666076718735	53.01363301308
448	19	1768	-75921.14133	804277.317025076	39.083432085016916	-101.0668902	151933.623699612305	4328068.42255534	3101.994477428104	3072.1035188213	3023.945198417336	3023.945198417336	55.02666076718735	53.01363301308
449	19	1769	-75261.14133	804277.317025076	39.08343722671698	-101.064485	151934.7647371528	4328064.44147285	3100.387525849191	3070.18075820334	3022.886819989901	3022.886819989901	55.02666076718735	53.01363301308
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451	19	1771	-73941.14133	804277.317025076	39.0834473543883	-101.0598365	151936.87889737616	4328056.43981112	3100.151632812214	3068.225052030241	3020.283745177588	3020.283745177588	55.02666076718735	53.01363301308
452	19	1772	-73281.14133	804277.317025076	39.08345238	-101.0575122	151937.322037953	4328052.43929171	3100.1525015245639	3064.403666142794	3019.5424655462108	3019.5424655462108	55.02666076718735	53.01363301308
453	19	1773	-72621.14133	804277.317025076	39.08345734458959	-101.055188	151938.952716772976	4328048.438186348	3100.1465277678553	3062.480384485832	3019.25671115138	3019.25671115138	55.02666076718735	53.01363301308
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455	19	1775	-71301.14133	804277.317025076	39.083467134169204	-101.0505395	151941.7348799576	4328040.438481832	3100.115804651033	3058.60998929052	3017.2983406230996	3017.2983406230996	55.02666076718735	53.01363301308
456	19	1776	-70641.14133	804277.317025076	39.0834719611797	-101.0482152	151942.7647371528	4328036.43865519	3100.0714812794437	3057.702716287427	3017.784140986053	3017.784140986053	55.02666076718735	53.01363301308
457	19	1777	-70001.14133	804277.317025076	39.083476917995	-101.045945	151943.82451811538	4328032.458450787	3100.040914584125	3056.90570158293	3017.2983406230996	3017.2983406230996	55.02666076718735	53.01363301308
458	19	1778	-69321.14133	804277.317025076	39.08348148	-101.0436567	151944.3323333333333	4328028.439230249	3100.040914584125	3056.90570158293	3017.2983406230996	3017.2983406230996	55.02666076718735	53.01363301308
459	19	1779	-68661.14133	804277.317025076	39.083486174616915	-101.0412425	151945.39610514365	4328024.43812885	3100.040914584125	3056.90570158293	3017.2983406230996			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVEBothKrg.ft	BRIEVEBothKrg.ft	SurfBothKrg.ft	SurfBothKrg.ft
541	13861	-14541.14133	804277.3170250766	-00.83871821092719	-00.8506528	339931.973624213036	4272697.0529864235	3024.116835021255	290.891405398495	2886.0230693169433	2886.2916037910804	44.86833608155166	44.5998016071452	
542	13862	-13881.14133	804277.3170250766	-00.838719177751015	-00.848328	341331.0225008337	4272693.0672495838	3024.156225880395	2929.461024697317	2884.009185067993	2884.156248805703	45.45130646113239	45.29500510867441	
543	13863	-13221.14133	804277.3170250766	-00.838719177751015	-00.848328	341331.0225008337	4272693.0672495838	3024.156225880395	2929.461024697317	2884.009185067993	2884.156248805703	45.45130646113239	45.29500510867441	
544	13864	-12561.14133	804277.3170250766	-00.83872097617907	-00.84368	340535.12004015275	4272685.065672801	3024.65046387459	2926.501052034839	2884.2155039461045	2884.2155039461045	42.3655462873455	42.2487316473944	
545	13865	-11901.14133	804277.3170250766	-00.83872180814352	-00.841357	340736.1691411997	4272681.1114030495	3024.9647966114785	2925.1313700818073	2885.6730212219663	2885.6730212219663	39.45454886	39.53856458118462	
546	13866	-11241.14133	804277.3170250766	-00.83872259521427	-00.8390314	340937.212678908	4272677.12646733	3024.92746831497	2923.673954729326	2887.443082	2887.443082	36.3208723345266	36.312469822914	
547	13867	-10581.14133	804277.3170250766	-00.83872333739171	-00.8387072	341138.2659573276	4272673.11648162	3025.147779992244	2922.2097329101525	2889.2714449371042	2889.2714449371042	33.05318238336396	33.05318238336396	
548	13868	-9921.14133	804277.3170250766	-00.838724036475875	-00.8343829	341339.3143284736	4272678.15005231	3024.570696074621	2920.7401462375656	2890.820256704761	2890.76929076622	29.97801716094377	29.97801716094377	
549	13869	-9261.14133	804277.3170250766	-00.83872468706675	-00.8326586	341540.2621532284	4272675.72527831	3024.889162155896	2919.2658574740264	2892.033311100837	2891.698546898676	27.262236739191627	27.262236739191627	
550	13870	-8601.14133	804277.3170250766	-00.83872529456435	-00.8257244	341714.41	4272671.18212623	3024.7652463244	2917.78574734015	2892.56672598004	2892.45589185917	25.32115554653255	25.32115554653255	
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553	13873	-6621.14133	804277.3170250766	-00.83872685	-00.8227616	342344.5562923024	4272649.236274853	3006.57140417038	2890.3139873383901	2890.181937763636	2890.285042941924	20.1437558551446	20.1437558551446	
554	13874	-5961.14133	804277.3170250766	-00.83872725612676	-00.8204373	342545.599420386	4272645.25262575	2999.952007189914	2891.840637405577	2887.4898021379126	2887.4898021379126	18.24350610266307	18.24350610266307	
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557	13877	-3981.14133	804277.3170250766	-00.83872829003507	-00.8134645	343148.7407706154	4272633.306871175	2987.681696171216	2907.367102987463	2879.552922291272	2879.27968591473	14.17817980747438	14.17817980747438	
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559	13879	-2661.14133	804277.3170250766	-00.83872841844155	-00.8088159	343550.838911841	4272625.336682694	2972.504190192124	2904.379118667904	2878.450187530552	2878.450187530552	11.2589771342856	11.2589771342856	
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561	13881	-1341.14133	804277.3170250766	-00.83872901480004	-00.8041674	343962.9264015425	4272617.37116358	2971.675271914832	2901.383752024456	2876.93038264705	2877.04858013081	7.24351695574042	7.24351695574042	
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564	13884	638.85673033514	804277.3170250766	-00.83872909573409	-00.7971946	344556.04025072	4272605.42523826	2972.2214915872034	2906.96339736574	2875.84294525953	2875.84495	1.25209791876545	1.25209791876545	
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566	13886	1958.85673033514	804277.3170250766	-00.8387289903965	-00.792546	344958.1501848684	4272597.461746973	2972.7529322246	2893.83202462331	2877.51400650012	2878.06562	-0.13149457731965	-0.13149457731965	
567	13887	2618.85673033514	804277.3170250766	-00.83872875334843	-00.7902218	345159.2002876904	4272597.461746973	2972.7529322246	2893.83202462331	2877.51400650012	2878.06562	-0.13149457731965	-0.13149457731965	
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572	13892	5918.8567303351	804277.3170250766	-00.83872730150531	-00.7786004	346164.4237440226	4272577.55914532	2968.70758242652	2886.1491509496204	2881.998840408135	2882.4567165737403	1.50200539806974	1.50200539806974	
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579	13899	10538.8567303351	804277.3170250766	-00.8387233840883	-00.7623305	347571.7318049517	4272541.35184828	2951.434890325059	2873.56740758084	2884.21706897782	2884.21706897782	21.93553306602116	21.93553306602116	
580	13900	11198.8567303351	804277.3170250766	-00.8387226441075	-00.7600063	347772.751812557	4272541.35184828	2951.434890325059	2873.56740758084	2884.21706897782	2884.21706897782	23.93781522237645	23.93781522237645	
581	13901	11858.8567303351	804277.3170250766	-00.83872185991278	-00.757882	347973.818037007	4272537.756689247	2944.56914338336	2870.4053705376605	2880.913623281586	2880.913623281586	25.90853256074415	25.90853256074415	
582	13902	12518.8567303351	804277.3170250766	-00.83872103082481	-00.755377	348176.1291298485	4272533.776393987	2951.137735360585	2876.734296790505	2887.85646770139	2887.85646770139	27.93553306602116	27.93553306602116	
583	13903	13168.8567303351	804277.3170250766	-00.83872026193521	-00.7530793	348376.1291298485	4272529.67890867	2951.137735360585	2876.734296790505	2887.85646770139	2887.85646770139	29.93553306602116	29.93553306602116	
584	13904	13838.8567303351	804277.3170250766	-00.838719327969014	-00.750792	348576.9480447233	4272525.82	2951.137735360585	2876.734296790505	2887.85646770139	2887.85646770139	31.93553306602116	31.93553306602116	
585	13905	14498.8567303351	804277.3170250766	-00.83871827402121	-00.7483489	348777.98652414	4272521.842	2951.137735360585	2876.734296790505	2887.85646770139	2887.85646770139	33.93553306602116	33.93553306602116	
586	13906	15158.8567303351	804277.3170250766	-00.8387176555401	-00.746006	348979.0316103964	4272517.86							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRELEVLogKgr.f	BRELEVLogKgr.f	SurfAtkLog.f	SurfAtkLog.f
667	19	13987	6868.85867307335	80427.7170250766	39.038486473727184	-100.5577952	365262.9993210482	327196.164698383	2847.531572050965	2751.0277731575323	2715.078122032312	2715.1794918186706	35.4965148432084	35.8482816988618
668	19	13988	6872.85867307335	80427.7170250766	39.03848176383114	-100.555421	365464.003752965	327192.196969996	2847.8896419423854	2749.76635201984	2712.83026030938	2712.9297192823765	36.8363159196079	37.6328880327784
669	19	13989	6876.85867307335	80427.7170250766	39.03847624944227	-100.55467	365678.163072655	327188.233260298	2848.247171834075	2748.507546586516	2713.769169413827	2713.788786386384	37.036890327794	37.838786386384
670	19	13990	6878.85867307335	80427.7170250766	39.0384726936056	-100.554255	365866.092105136	327182.70707007	2848.605781257642	2747.252232010828	2708.82760495718324	2708.954253073791	38.4254370310645	38.29797260565779
671	19	13991	6879.85867307335	80427.7170250766	39.03846744478602	-100.5484882	366067.1227316715	327180.306	2847.5649130670404	2745.999835603495	2706.9414000391853	2707.01963682033	39.0584363703145	39.05183930828307
672	19	13992	6879.85867307335	80427.7170250766	39.03846258	-100.546174	366268.1533115053	327176.342022327	2845.125105857047	2744.750151467194	2705.124554230948	2705.026634362066	39.0469623624838	39.72531703116783
673	19	13993	6878.85867307335	80427.7170250766	39.038467669569	-100.5434897	366469.1832031575	327173.378194859	2846.2685986467	2743.20955063495	2703.2453275577905	2703.114665071708	40.0284756621048	40.3882785563247
674	19	13994	6878.85867307335	80427.7170250766	39.038452710170314	-100.5415255	366670.2140992978	327168.414356775	2840.2465414396308	2742.258054795877	2701.3925777926834	2701.223251	40.86547696710434	41.03480408937346
675	19	13995	6878.85867307335	80427.7170250766	39.0384746785741	-100.5382819	366871.244250458	327164.458787575	2842.588386612974	2741.015793785867	2699.580250159886	2699.3821956985105	41.42504363510096	41.6330816848384
676	19	13996	6878.85867307335	80427.7170250766	39.03844264851889	-100.536877	367072.2472721822	327160.487165446	2837.989058127767	2739.72410097227	2697.8893053961035	2697.6014042760994	41.88490151123295	42.1728058212774
677	19	13997	6878.85867307335	80427.7170250766	39.03843754567626	-100.5345527	367273.016426323	327156.523818306	2837.3130967246225	2738.533047834655	2696.216088402605	2696.2173637925906	42.5395710409544	42.5395710409544
678	19	13998	6878.85867307335	80427.7170250766	39.03843241576361	-100.532285	367473.339296375	327152.561	2836.62100280447	2737.260421638215	2694.738233257563	2694.557835	42.5559871105263	42.73637647265559
679	19	13999	6878.85867307335	80427.7170250766	39.03842723204684	-100.5299402	367675.3635662012	327148.597617161	2835.951668	2736.05026636975	2693.305221713675	2693.3168386572165	42.7382209775846	42.7382209775846
680	19	14000	6878.85867307335	80427.7170250766	39.03842034373335	-100.52758	367860.390745276	327144.636733395	2835.2883071031414	2734.8164168755893	2692.1941662004375	2692.1941662004375	42.62220504373335	42.62220504373335
681	19	14001	6878.85867307335	80427.7170250766	39.038416729950595	-100.525257	368077.422455013	327140.6720407	2834.6159357501714	2733.57588259076	2691.3472152413356	2691.3472152413356	42.6220386721055	42.6220386721055
682	19	14002	6878.85867307335	80427.7170250766	39.0384111154014	-100.523015	368278.7010778853	327136.709849154	2833.948064268117	2732.24039444821	2690.7149824106572	2690.715734100985	41.56581403415398	41.6248234382459
683	19	14003	6878.85867307335	80427.7170250766	39.0384068452548	-100.5206072	368489.4808332775	327132.74187784	2833.7404049692356	2731.103457187296	2690.491963573239	2690.491963573239	41.6149361405705	40.52134152469602
684	19	14004	6878.85867307335	80427.7170250766	39.0384006407213	-100.518283	368688.5098315483	327128.784092587	2832.883748555382	2729.6685552836	2690.119617654332	2689.964246770486	39.7472673869055	39.9024588453125
685	19	14005	6878.85867307335	80427.7170250766	39.03839516699912	-100.5159587	368881.538072536	327124.82261396	2829.063424205287	2728.63008861574	2689.454821170031	2689.5257373736483	39.1761769154291	39.1052072875866
686	19	14006	6878.85867307335	80427.7170250766	39.038391899809338	-100.5136345	369082.56744714687	327120.1861094374	2827.243236267188	2727.395684	2688.272806529621	2688.272806529621	38.1262036950889	38.1262036950889
687	19	14007	6878.85867307335	80427.7170250766	39.038394146173501	-100.5113102	369283.5960433563	327116.89391791	2825.584386407966	2726.16119102573	2686.593497693017	2686.593497693017	39.26741346271255	39.26741346271255
688	19	14008	6878.85867307335	80427.7170250766	39.0383785854291	-100.508986	369483.64555162	327112.937653637	2824.089472849622	2724.92720759301	2684.53425729548	2684.53425729548	39.359603175299	40.0097440813983
689	19	14009	6878.85867307335	80427.7170250766	39.03837296518699	-100.506581	369681.624338748	327109.01277475	2822.58816188093	2723.68419397761	2683.686129875515	2683.686129875515	41.48393517272694	41.48393517272694
690	19	14010	6878.85867307335	80427.7170250766	39.03836724824401	-100.504375	369896.8811609346	327105.015270572	2821.02505524135	2722.45275599073	2680.08424762461	2680.08424762461	42.369478365187	42.6983213576869
691	19	14011	6878.85867307335	80427.7170250766	39.03836152581508	-100.5020132	370087.792470523	327101.05422644	2819.005430103734	2721.71768485025	2677.79974398691	2677.79974398691	43.5270254821815	43.5270254821815
692	19	14012	6878.85867307335	80427.7170250766	39.0383557849355	-100.499689	370288.7376190603	327097.0324859	2816.329953447815	2719.96860480049	2675.598006070757	2675.598006070757	43.752441297344	43.752441297344
693	19	14013	6878.85867307335	80427.7170250766	39.0383544627941	-100.4973467	370489.7651243326	327093.1962895	2813.6546367386714	2718.72396348989	2673.4308607495673	2673.4308607495673	44.5393710439195	44.5393710439195
694	19	14014	6878.85867307335	80427.7170250766	39.03834409912269	-100.4950405	370690.792961944	327089.127077177	2810.9779717107056	2717.47790848973	2671.282311460418	2671.282311460418	44.9597073246554	44.9597073246554
695	19	14015	6878.85867307335	80427.7170250766	39.03833818717338	-100.492716	370891.826438748	327085.01627748	2808.954667	2716.25438997761	2669.08872093012	2669.08872093012	47.43856372	47.43856372
696	19	14016	6878.85867307335	80427.7170250766	39.0383324282	-100.490392	371022.961167405	327081.020922843	2807.84196160895	2714.81511605995	2667.84645647435	2667.84645647435	48.3395613550524	48.3395613550524
697	19	14017	6878.85867307335	80427.7170250766	39.03832624849709	-100.4880677	371293.8752433336	327077.29140792	2808.2593623262903	2713.700809033434	2664.43776863572	2664.43776863572	49.469424600305	49.469424600305
698	19	14018	6878.85867307335	80427.7170250766	39.038320211820094	-100.4857345	371484.9026	327073.31519616	2808.106745962352	2712.47816822502	2661.972305	2661.972305	50.263118166221	50.263118166221
699	19	14019	6878.85867307335	80427.7170250766	39.038314102350606	-100.4834192	371695.9267735254	327069.371783573	2807.56026193027	2711.2237141401365	2659.572601808443	2659.572601808443	51.5651233169364	51.5651233169364
700	19	14020	6878.85867307335	80427.7170250766	39.0383080378856	-100.481095	371896.956676314	327065.41217846	2807.965794040275	2709.965794040275	2657.398390795073	2657.398390795073	53.6513706944836	53.6513706944836
701	19	14021	6878.85867307335	80427.7170250766	39.038303825434024	-100.478708	372097.983534563	327061.45281643	2807.1679565073523	2708.174162594045	2655.54714704988	2655.54714704988	53.791001328416656	53.791001328416656
702	19	14022	6878.85867307335	80427.7170250766	39.03829761816899	-100.476478	372299.010277458	327057.432591402	2806.328192748077	2707.4453244112	2653.99714014735	2653.99714014735	54.0963402749745	54.0963402749745
703	19	14023	6878.85867307335	80427.7170250766	39.03829255054744	-100.4741223	372500.3068975644	327053.394580692	2796.200732085493	2706.180905180105	2653.1389303893	2653.1389303893	53.02451484141332	53.02451484141332
704	19	14024	6878.85867307335	80427.7170250766	39.03828304901544	-100.471798	372701.0633943092	327049.575997968	2795.074034887505	2704.913352172733	2652.474175	2652.474175	53.6190590340032	52.4391771976339
705	19	14025	6878.85867307335	80427.7170250766	39.03827766809097	-100.4694738	372902.0876908097	327045.616853709	2786.95195572057	2703.624657826465	2651.8956791642017	2651.8956791642017	54.068671844473	52.0438171795626
706	19	14026	6878.85867307335	80427.7170250766	39.03827302274045	-100.4671495	373103.11601914576	327041.658277155	2782.829656452993	2702.368544501979	2651.313674710923	2651.313674710923	54.7054077096161	52.2658151369245
707	19	14027	6878.85867307335	80427.7170250766	39.0382638156467	-100.4648293	373304.14214767824	327037.698957879	2780.476542176375	2701.90795696891	2650.1235654372	2650.1235654372	55.0929331115424	52.1143622044519
708	19	14028	6878.85867307335	80427.7170250766	39.03825737596288	-100.462501	373505.18513928	327033.741805482	2778.68654975254	2699.801747999448	2649.0560773352787	2649.0560773352787	55.20337464666272	52.898961288017
709	19	14029	6878.85867307335	80427.7170250766	39.0382514546867	-100.460189	373706.249941768	327029.7813420984	2776.93142999417	2698.78142999417	2648.07814306294	2648.07814306294	55.4227681908464	55.4227681908464
710	19	14030	6878.85867307335	80427.7170250766	39.0382447802005	-100.457826	373907.2198011827	327025.85922628	2774.2641	2697.233077855226	2647.511183248903	2647.511183248903	55.721905495731	54.261798527516
71														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevKgr.ft	SurfAtmKgr.ft	SurfAtmKgr.ft
53	20	1413	-336621.1413	804937.3170250766	30.07970270409481	-101.9846832	241801.4793943555	4239863.24089872	3887.6217905375087	3816.5516153531207	3779.30146566989056	3772.975502304665	37.25014968331516	43.5761130485658
54	20	1414	-335961.1413	804937.3170250766	30.07972557399745	-101.9825392	242002.6288702207	4239875.13729706	3875.762248818491	3815.059238	3780.170075518696	3773.97368927914	34.889126209500615	36.52136943285145
55	20	1415	-335301.1413	804937.3170250766	30.0797484509117	-101.9802152	242023.7980292434	4239855.105779079	3877.267200861967	3813.54842921868	3781.193481921868	3788.455686920192	32.80387911895511	35.12894155878875
56	20	1416	-334641.1413	804937.3170250766	30.07977118932904	-101.9778913	242004.925455699	4239851.038	3886.380284128411	3812.016716221055	3822.3893075407035	3778.2683919699	28.06245673251513	33.7493023
57	20	1417	-333981.1413	804937.3170250766	30.0797932973731	-101.9755673	242066.075734633	4239842.971286408	3896.3864861872157	3810.464740684596	3783.8306051018208	3778.818262034197	26.3431568275343	31.64592036
58	20	1418	-333321.1413	804937.3170250766	30.07981662173393	-101.9732433	242807.2242171025	4239846.904	3904.414087242002	3808.867407494213	3785.81134649117	3779.981494134928	20.076296100304262	28.90569261449309
59	20	1419	-332661.1413	804937.3170250766	30.07983927061087	-101.9709194	243008.372417095	4239838.34714703	3907.535949472995	3807.2846175991	3787.821458718573	3779.48145914607	19.46327439418208	25.54463791584158
60	20	1420	-332001.1413	804937.3170250766	30.07986187460408	-101.9686954	243209.52035947287	4239834.7081789	3914.764190363019	3805.6545774422475	3789.702949714684	3786.921491462073	15.961627727553387	31.7131829904017
61	20	1421	-331341.1413	804937.3170250766	30.07988445371354	-101.9662714	243410.6680496022	4239830.7043521515	3911.992386548837	3803.99730447278	3791.193481921868	3788.455686920192	12.80387911895511	35.154413622708527
62	20	1422	-330681.1413	804937.3170250766	30.0799054759317	-101.9639475	243611.8145330322	4239826.6302611	3899.22056257449	3802.31945766508	3790.98390746508	3787.89741751587	11.279504319701	33.331717105077493
63	20	1423	-330021.1413	804937.3170250766	30.07992941728094	-101.9616235	243812.9626378072	4239825.17618589	3894.65768623085	3800.536633029513	3789.021688572283	3784.889681779247	9.156753073606835	35.1727768125026614
64	20	1424	-329361.1413	804937.3170250766	30.07995184173882	-101.9592995	244014.10959023845	4239818.50590149	3888.303699520565	3798.584104360375	3786.0776890151	3780.05206822715	7.87317382842688	38.08193504304236
65	20	1425	-328701.1413	804937.3170250766	30.07997422131275	-101.9569756	244215.256268822	4239814.04095871	3881.94971174322	3797.0820593118074	3782.773413789218	3774.204569784784	14.308855552629514	22.87753434396336
66	20	1426	-328041.1413	804937.3170250766	30.07999556002705	-101.9546516	244416.42068191692	4239810.374459711	3875.595724906379	3795.281286548444	3779.249313491815	3775.19742495715	11.07310930926236	20.10184052728666
67	20	1427	-327381.1413	804937.3170250766	30.08001884958086	-101.9523278	244617.5488475473	4239806.30993011	3873.1309047200634	3793.651900684226	3785.07294053207	3772.889457308717	7.394506946212954	20.76234339550974
68	20	1428	-326721.1413	804937.3170250766	30.08004109073052	-101.9500036	244818.69475987804	4239802.243895758	3874.554611710805	3791.59377501592	3772.9730369417	3771.0954917618201	18.62071507420967	20.4962835330087
69	20	1429	-326061.1413	804937.3170250766	30.08006329076828	-101.9476797	245019.8401841285	4239798.17865751	3875.978531871403	3789.705598682314	3780.05206822715	3770.05212050898	19.01186019622676	19.65844793530513
70	20	1430	-325401.1413	804937.3170250766	30.0800854592189	-101.9453557	245202.985260598	4239794.113069578	3877.40752572001	3787.7935653149647	3769.1280655885535	3770.1562250718976	18.6655007119217	17.63734123406711
71	20	1431	-324741.1413	804937.3170250766	30.08010755619131	-101.9430317	245422.130800124	4239790.48826038	3877.071734430647	3785.8517082198573	3768.103312725385	3764.520133017696	17.48395444727334	21.3135729180876
72	20	1432	-324081.1413	804937.3170250766	30.08012962157653	-101.9407077	245623.27588180074	4239785.98420116	3877.0863774479412	3783.7567219663784	3767.5489887773397	3765.214608146534	16.73388318936248	18.6679632024022
73	20	1433	-323421.1413	804937.3170250766	30.08015162077413	-101.9383837	245824.2053310516	4239781.91570124	3876.401024605393	3781.8897033348823	3771.3380705112	3754.8586470571	14.73389627970463	18.42105629705459
74	20	1434	-322761.1413	804937.3170250766	30.080173617704965	-101.9360397	246024.5655282647	4239777.85558138	3876.715663487129	3779.865764162876	3768.186747433009	3764.699130119623	13.75081627127876	14.9660340454523
75	20	1435	-322101.1413	804937.3170250766	30.0801956146114	-101.933728	246218.560250885	4239773.791351029	3877.277505649154	3779.430693117683	3768.00556691982	3767.765141769817	12.4234223921214	43.6715949263087
76	20	1436	-321441.1413	804937.3170250766	30.0801743428051	-101.9314118	246427.8530680178	4239769.72714153	3869.090025236253	3775.70058929946	3761.5563936104065	3760.47627119388	14.9134968059253	15.32246218007764
77	20	1437	-320781.1413	804937.3170250766	30.0802297524839	-101.9290878	246628.9967165211	4239765.66324584	3859.901382795834	3775.9353447446	3758.70208864577	3757.30146566989056	14.955306929127154	16.16528996929127154
78	20	1438	-320121.1413	804937.3170250766	30.08026107132732	-101.9267638	246830.1401033504	4239761.6003953	3853.712469349603	3771.43166064562	3755.187961285929	3753.508734277436	16.35520477873297	18.03431787229913
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81	20	1441	-318141.1413	804937.3170250766	30.08032619025678	-101.9198178	247438.5687755924	4239749.819568783	3837.03115235991	3765.92286279887	3746.52286279887	3737.5881454772584	28.1894629	27.571251938466
82	20	1442	-317481.1413	804937.3170250766	30.08034785973559	-101.9174678	247634.7116732478	4239745.34271079	3837.179645365908	3772.7177445837	3742.7177445837	3740.96717753554	32.6403892770000	32.6403892770000
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86	20	1446	-314841.1413	804937.3170250766	30.08043382411251	-101.9081718	248439.2722008182	4239729.307911631	3813.326801188147	3750.032123512575	3704.960476000969	3705.062347455024	49.7403763503061	48.94006596772723
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88	20	1448	-313521.1413	804937.3170250766	30.08047699263388	-101.9035238	248841.560250885	4239720.791351029	3807.277505649154	3749.430693117683	3768.00556691982	3767.765141769817	42.4234223921214	43.6715949263087
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93	20	1453	-310221.1413	804937.3170250766	30.0805862634593	-101.8919307	249847.2609796792	4239700.66314295	3793.704383167463835	3737.704383167463835	3720.5472006063794	3721.21930915911906	17.17333823968392	16.4852835905175265
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96	20	1456	-308241.1413	804937.3170250766	30.08064572545563	-101.8849317	250450.678440551	4239688.484140425	3787.0141629	3730.4691394077	3716.8048612849156	3716.8048612849156	22.25919847414145	20.934004885546
97	20	1457	-307581.1413	804937.3170250766	30.0806678672176	-101.8826077	250651.8							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
179	12	4239	-253461.1413	804937.3170250766	39.08223126849903	-01.69202339	267144.3654030924	4239352.047413653	3504.042728416232	3449.079807834377	3449.160809	3447.4283694136025	48.91826982	50.65070902740755
180	20	4240	-252801.1413	804937.3170250766	39.08224848616099	-01.68977698	267345.4842351074	4239348.015017589	3507.314717696991	3447.321065205432	3447.675556535959	3445.993563341554	47.243409541473136	48.92719887172669
181	20	4241	-252141.1413	804937.3170250766	39.0822696593468	-01.68738571	267546.6028736987	4239349.981241202	3510.581584	3491.764102746114	3448.2497129857515	3444.5675561901237	45.51372629	47.18874084487755
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183	20	4243	-250821.1413	804937.3170250766	39.08229968681718	-01.68273735	267948.8342436084	4239335.8629728007	3517.1830325710647	3485.408879	3443.082662198174	3441.376217918652	42.2621685895955	44.03260680687615
184	20	4244	-250116.1413	804937.3170250766	39.0823169072592	-01.6804133	268149.3627255497	4239331.817209095	3520.559722254560	3482.28185009417	3441.214549349	3439.486317520741	41.01703355	42.74109080202826
185	20	4245	-249501.1413	804937.3170250766	39.08233301146306	-01.67808982	268351.0705563304	4239327.77124231	3523.936411999407	3479.024903869042	3439.0990716232713	3437.3548583963	39.943832254532936	41.688497302941414
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187	20	4247	-248191.1413	804937.3170250766	39.0823675292176	-01.673441	268753.3097272986	4239319.981241202	3528.75563031937	3467.8562161712325	3434.96626367513	3432.593550175178	36.3995415707682	45.062515381004
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189	20	4249	-246861.1413	804937.3170250766	39.08240145214333	-01.6687927	269155.5345760948	4239311.516924257	3527.62202873954	3466.2502146232055	3428.423998809374816	3425.821581427793	40.04731722572387	
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191	20	4251	-245541.1413	804937.3170250766	39.08243491781074	-01.6641444	269557.774645313	4239303.502	3524.8605064327777	3459.8279443717042	3422.724866024393	3420.5348580621984	37.01303584371101	39.29245830950583
192	20	4252	-244881.1413	804937.3170250766	39.08245159681154	-01.6618203	269758.89256713504	4239295.457863929	3520.992762785161	3456.609039048023	3420.712044136993	3418.3259008008223	35.897048746173	38.2831242836206
193	20	4253	-244221.1413	804937.3170250766	39.0824684220923716	-01.6594962	269960.084423354	4239291.12509138244	3517.1250913138244	3453.3845482000404	3418.889026	3415.687614164379	32.76990503566153	
194	20	4254	-243561.1413	804937.3170250766	39.08248482014725	-01.6571721	270161.12490113515	4239291.37	3513.257275491327	3450.154050576022	3417.307887235916	3413.995349073379	32.8461984750169	36.15771769
195	20	4255	-242901.1413	804937.3170250766	39.082501364482084	-01.6548479	270362.23961074236	4239287.32568606	3508.173855410739	3448.91778138555	3415.77882811536	3412.357371769125	31.138885327019125	34.56400638382696
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197	20	4257	-241581.1413	804937.3170250766	39.08253431848551	-01.650196	270764.4669711417	4239279.782301369	3508.070628322195	3440.429512507615	3412.1369045674896	3408.478237	28.292607940125436	31.9502793083514
198	20	4258	-240921.1413	804937.3170250766	39.082550728154054	-01.6478755	270965.5844114431	4239275.195374452	3506.1687258679924	3437.1788133472237	3410.457459264428	3407.68228626996	26.721354082795642	29.2454352022408
199	20	4259	-240261.1413	804937.3170250766	39.08256790293379	-01.6455514	271166.6889523076	4239271.152216263	3501.257204937303	3433.943131424107	3408.855856594322	3405.987657841157	25.0655698408866	27.9364593829496
200	20	4260	-239601.1413	804937.3170250766	39.08258341282469	-01.6432272	271367.8132130263	4239267.105262523	3498.335576	3400.665566698208	3407.014910912514	3403.98718774459	23.650745967917373	26.69183904474986
201	20	4261	-238941.1413	804937.3170250766	39.08260017785659	-01.640989	271569.807718763	4239262.525096032	3502.4127197807	3404.96385054028	3397.1171282796	3396.021164038262	22.876173954747505	25.8220351621758
202	20	4262	-238281.1413	804937.3170250766	39.08261591794783	-01.6385789	271770.04101701735	4239259.037506167	3495.32577911313	3424.138401106372	3400.753648162451	3399.915565029244	21.2847529618515	24.22263047129117
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204	20	4264	-236961.1413	804937.3170250766	39.08264834507116	-01.6339307	272172.268206208	4239250.39	3493.599046078505	3417.596952858374	3398.415158623274	3395.656976691222	19.17942426135935	22.03167166572207
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208	20	4268	-234321.1413	804937.3170250766	39.0827123565472	-01.6246512	272978.179470555	4239234.771573117	3460.39945912872	3404.47895912872	3390.795597123417	3388.5446991314	13.6857914297112	15.9215768540905
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214	20	4274	-230361.1413	804937.3170250766	39.0828071785659	-01.6106982	274183.9871871876	4239210.525096032	3452.3712197807	3384.96385054028	3376.1171282796	3376.07164552862	8.576137954747505	
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217	20	4277	-228381.1413	804937.3170250766	39.0828538	-01.6037167	274786.7217821046	4239194.404178362	3422.3487840996023	3374.707329674033	3368.396361777296	3369.055082818264	6.13378523924325	5.714337852394325
218	20	4278	-227721.1413	804937.3170250766	39.08286949	-01.6013925	274987.8302498444	4239194.36421089	3437.9482110260055	3371.460687809576	3365.777383610503	3367.4026478943242	5.683306170454671	4.058042866151085
219	20	4279	-227061.1413	804937.3170250766	39.08288498183739	-01.5990864	275188.9421	4239190.34232217	3439.201991025427	3368.158040728875	3363.42108524153	3365.4915805200767	4.729755481734628	2.658947205810486
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222	20	4282	-225081.1413	804937.3170250766	39.082931030431545	-01.5920509	275792.73065656	4239178.205	3437.003304147134	3358.23138316035	3357.39037245427	3360.59125733189	0.8328940435223984	0
223	20	4283	-224421.1413	804937.3170250766	39.08294638093058	-01.5897717	275993.379777585	4239174.166806006	3435.129540212593	3354.9303028372827	3355.8282923701468	3359.422462700494	0	0
224	20</													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatThkLog.ft	SatThkBoth.ft
305	20	14365	-173031.1413	804937.3170250766	-03.08040718928655	-101.3991873	292483.5957046874	328483.531777004	3253.3040938888425	3197.26696293978	3203.897745573881	3182.482607280368	0
306	20	14366	-169641.1413	804937.3170250766	-03.08405857080222	-101.396831	526848.671789657	423839.506611132	3268.5594734671725	3160.6460953676083	3203.783708793089	3160.9636744052511	13.267074074052511
307	20	14367	-165821.1413	804937.3170250766	-03.08413847426208	-101.3945398	292483.5957046874	328483.531777004	3253.3040938888425	3197.26696293978	3203.897745573881	3182.482607280368	12.04483687044215
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309	20	14369	-167661.1413	804937.3170250766	-03.08403165999136	-101.3898904	293287.9603366624	4238282.432119884	3278.7440613211725	3194.38950674969	3203.7434944	3187.8003237352025	7.035982397366569
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314	20	14374	-164361.1413	804937.3170250766	-03.08414963	-101.3782592	294253.416	423800.71322217	3224.97272985237	3192.075485711906	3205.85896235491	3203.353510981835	0
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317	20	14377	-162381.1413	804937.3170250766	-03.08418296462059	-101.3712965	294866.679580865	423785.204861555	3244.3632520829487	3190.413620261616	3209.583233139116	3210.5852322393143	0
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355	20	14415	-137301.1413	804937.3170250766	-03.08457027235958	-101.2829748	302537.9238843457	423864.478828713	3321.9746				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfThLo.f	SurfThBot.f
431	20	14491	-8171.14133	804937.3170250766	39.085150412315166	-101.1063291	171879.5796573303	4238237.619435141	3202.760082340909	31.04248802230303	3045.1721629244635	3044.9571939455565	57.2766393096665	57.491608384773826
432	20	14492	-8646.14133	804937.3170250766	39.08515631732978	-101.1040048	181020.64170217325	423833.657546459	3200.160952696174	31.0117941062438	3045.2084545131675	3044.8367273905587	55.4809651586846	56.4809651586846
433	20	14493	-8582.14133	804937.3170250766	39.08516136587476	-101.1016085	181821.714189365	423833.657546459	3197.581670189358	3099.5381675916825	3045.5043299116825	3044.93043299116825	54.7057438409861	54.7057438409861
434	20	14494	-8581.14133	804937.3170250766	39.08516790278704	-101.0993562	181422.7811702233	423833.657546459	3194.984121170345	3098.02305	3044.100390313674	3045.554351056367	51.9231467	52.4691631491317
435	20	14495	-8450.14133	804937.3170250766	39.0851733065126	-101.0970319	181623.84799074284	423833.6576477794	3191.021348971719	3096.315734036358	3046.224893169463	3045.795943083450	50.0904989407436	50.0904989407436
436	20	14496	-8341.14133	804937.3170250766	39.0851794850097	-101.0947076	181824.9146243343	423833.671661	3186.664121397079	3094.5417666247	3045.710382943163	3045.2514934187	48.9387627258598	49.292627258598
437	20	14497	-8318.14133	804937.3170250766	39.0851851906568	-101.0923282	181902.85180025646	423833.67399666	3185.314922523592	3092.72983602843	3044.362998602843	3044.3629986037586	48.3668797483507	48.8572339630847
438	20	14498	-8252.14133	804937.3170250766	39.08519680471905	-101.0900589	181922.047358968	423830.65413708	3181.965662	3090.88513467902	3042.346458423735	3041.887545969679	48.3668797483507	48.9387627258598
439	20	14499	-8186.14133	804937.3170250766	39.08519635587476	-101.0877246	181923.1793834956	423830.65413708	3181.965662	3090.88513467902	3042.346458423735	3041.887545969679	48.3668797483507	48.9387627258598
440	20	14500	-8120.14133	804937.3170250766	39.08520191362044	-101.0854103	181923.1793834956	423830.65413708	3181.965662	3090.88513467902	3042.346458423735	3041.887545969679	48.3668797483507	48.9387627258598
441	20	14501	-8054.14133	804937.3170250766	39.085207442342835	-101.083086	181980.25413116566	423829.640647171	3174.5798912745067	3085.241925135695	3043.5927790314662	3043.5927790314662	50.61411027192554	51.033633589139
442	20	14502	-7988.14133	804937.3170250766	39.08521289842982	-101.0807167	182031.310707174284	423829.643622078	3172.295479437817	3083.3432583374	3043.72700188638	3043.72700188638	51.6123293	51.6123293
443	20	14503	-7922.14133	804937.3170250766	39.085218309622995	-101.0784374	182032.32736905825	423828.691	3170.6162273356476	3081.43118365124	3043.8090341846705	3043.8090341846705	52.9267002724814	52.9267002724814
444	20	14504	-7856.14133	804937.3170250766	39.085223675922336	-101.0761131	182033.44131366286	423828.65277971	3169.5422594499987	3079.517180683457	3043.854940297778	3043.854940297778	53.8798910951027	53.8798910951027
445	20	14505	-7790.14133	804937.3170250766	39.08522899732784	-101.0737888	182034.505554557	423828.651	3168.468292	3077.5938174472653	3042.7793364345122	3042.7793364345122	54.8840115848621	54.8840115848621
446	20	14506	-7721.14133	804937.3170250766	39.08523427383949	-101.071445	182035.511211395	423827.743505602	3167.394323677601	3075.86525810762	3019.7149253122965	3019.7149253122965	55.8903327946572	55.8903327946572
447	20	14507	-7658.14133	804937.3170250766	39.08523905545729	-101.0691402	182108.63991169894	423828.634011887	3166.40030934374	3073.7239510168	3016.755056645666	3016.755056645666	56.9773882511124	57.141162348461
448	20	14508	-7592.14133	804937.3170250766	39.0852466018123	-101.0668159	182127.704265606	423828.632589581	3164.0081130324757	3071.93351333642	3013.63736382256	3013.63736382256	58.2796511185194	58.2796511185194
449	20	14509	-7526.14133	804937.3170250766	39.08524983401125	-101.0644916	182148.76476188	423828.63134456	3162.75256230208	3069.84963921089	3014.0148091652966	3014.0148091652966	59.4355575579239	59.4355575579239
450	20	14510	-7460.14133	804937.3170250766	39.08525430947414	-101.0621672	182169.828307915	423828.632045704	3161.1427474274212	3067.94073683816	3006.9406950225627	3006.9406950225627	60.95901471423954	60.95901471423954
451	20	14511	-7394.14133	804937.3170250766	39.0852598299699	-101.0594829	182180.892096272	423828.6329358	3158.10220565845	3065.9569661412097	3003.273155110717	3003.273155110717	62.6819630138054	62.6819630138054
452	20	14512	-7328.14133	804937.3170250766	39.0852649013802	-101.0575186	182201.9567357254	423828.632858087	3155.8524642829	3064.004350371278	2999.205046524444	2999.205046524444	63.6393729872047	63.6393729872047
453	20	14513	-7262.14133	804937.3170250766	39.0852703735169	-101.0551943	182249.39696869	423828.632727	3153.4582817482	3062.9878123687	2998.47688123687	2998.47688123687	64.617619	64.617619
454	20	14514	-7196.14133	804937.3170250766	39.08527486975298	-101.05287	182244.08342957	423828.632733748	3153.4582817482	3062.9878123687	2998.47688123687	2998.47688123687	65.6393729872047	65.6393729872047
455	20	14515	-7130.14133	804937.3170250766	39.0852794219534	-101.0505457	182245.1731352094	423828.632733748	3153.4582817482	3062.9878123687	2998.47688123687	2998.47688123687	66.6393729872047	66.6393729872047
456	20	14516	-7064.14133	804937.3170250766	39.08528456979217	-101.0482214	182246.210254431	423828.632733748	3153.4582817482	3062.9878123687	2998.47688123687	2998.47688123687	67.6393729872047	67.6393729872047
457	20	14517	-6998.14133	804937.3170250766	39.08528952470845	-101.0458971	1823047.271939678	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	68.6393729872047	68.6393729872047
458	20	14518	-6932.14133	804937.3170250766	39.0852940205556	-101.0435728	182348.391719845	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	69.6393729872047	69.6393729872047
459	20	14519	-6866.14133	804937.3170250766	39.085298514861	-101.0412478	182349.39696869	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	70.6393729872047	70.6393729872047
460	20	14520	-6800.14133	804937.3170250766	39.085303114531	-101.0389241	182350.4610951454	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	71.6393729872047	71.6393729872047
461	20	14521	-6734.14133	804937.3170250766	39.0853082434807	-101.036598	182351.5233479247	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	72.6393729872047	72.6393729872047
462	20	14522	-6668.14133	804937.3170250766	39.08531259245686	-101.0342755	182352.5842812174	423828.632789673	3147.2427826902041	3054.3627085085404	2977.594311942525	2977.594311942525	73.6393729872047	73.6393729872047
463	20	14523	-6602.14133	804937.3170250766	39.08531710577159	-101.0319512	182353.64339588	423828.631250477	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	74.6393729872047	74.6393729872047
464	20	14524	-6536.14133	804937.3170250766	39.085321574192314	-101.0296269	182354.7090716227	423828.6329358	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	75.6393729872047	75.6393729872047
465	20	14525	-6470.14133	804937.3170250766	39.085325997710932	-101.0273028	182355.76035529	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	76.6393729872047	76.6393729872047
466	20	14526	-6404.14133	804937.3170250766	39.0853303735169	-101.0249787	182356.82902727	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	77.6393729872047	77.6393729872047
467	20	14527	-6338.14133	804937.3170250766	39.0853347710932	-101.0226359	182357.8932476527	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	78.6393729872047	78.6393729872047
468	20	14528	-6272.14133	804937.3170250766	39.0853398939401	-101.0203296	182358.954296305	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	79.6393729872047	79.6393729872047
469	20	14529	-6206.14133	804937.3170250766	39.0853442885436	-101.0180053	182359.0154764035	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	80.6393729872047	80.6393729872047
470	20	14530	-6140.14133	804937.3170250766	39.08534744	-101.015681	182360.07581562	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	81.6393729872047	81.6393729872047
471	20	14531	-6074.14133	804937.3170250766	39.0853519610429	-101.0133567	182362.1364177849	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	82.6393729872047	82.6393729872047
472	20	14532	-6008.14133	804937.3170250766	39.08535571	-101.0110324	182363.1967834768	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	83.6393729872047	83.6393729872047
473	20	14533	-5942.14133	804937.3170250766	39.08535997710932	-101.0087162	182364.2578109468	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	84.6393729872047	84.6393729872047
474	20	14534	-5876.14133	804937.3170250766	39.08536377822692	-101.0063327	182365.317040832	423828.63303077	3146.688540789038	3043.4078973542096	2974.594881743137	2974.594881743137	85.6393729872047	85.6393729872047
475	20	14535	-5810.14133	804937.3170250766	39.08536776381298	-101.0040594	182366.3768594004	423828.63303077	3146.688540789038	3043.4078973542096	29			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothKrg.f	SatBath33.f	SatBthBoth.f
547	14617	-3881.1411327	804937.3170250766	39.0855409468751	-100.8134648	343152.7264423772	4273834.45	2960.467563588378	2970.4625917896936	2870.8152542747684	2870.271544603151	36.747337302513	37.1910743554244
558	14618	-3221.1411327	804937.3170250766	39.08554115304489	-100.8111405	343353.7270070855	4273830.49173746	2980.8162379993327	2905.360522811509	2871.288614706751	2871.042018959337	34.9383038523187	34.9383038523187
559	14619	-2961.1411327	804937.3170250766	39.08554135691082	-100.8088162	343554.8186190065	4273826.50876383	2974.653694569278	2904.499026221987	2871.72623450839	2871.72623450839	32.76973731394878	32.76973731394878
560	14620	-2001.1411327	804937.3170250766	39.085541517057664	-100.8064818	343755.8653784053	4273822.52505373	2973.970390969364	2903.90968602476	2871.875127975093	2871.341738092869213	31.341738092869213	31.04077731484747
561	14621	-1341.1411327	804937.3170250766	39.08554162875076	-100.8041675	343956.911385462	4273818.534321778	2972.294152	2901.521573320771	2871.855323236856	2871.977233094523	29.66302410806532	29.54438226531636
562	14622	-681.14113269	804937.3170250766	39.08554169753053	-100.8018432	344157.9572403824	4273814.560389289	2976.614105263457	2900.030696132071	2871.867693152365	2871.97733896562175	28.1636001555508	28.0167975880471
563	14623	-21.14132983	804937.3170250766	39.08554172	-100.7995189	345399.0229433716	4273808.157824725	2976.43534348886	2898.53644318886	2871.9331221157327	2872.034921019924	26.60332160915348	26.23152216496191
564	14624	638.85867303514	804937.3170250766	39.0855417040665	-100.7971945	344560.048494635	4273786.596379253	2976.756921308564	2897.038314	2872.4896405701036	2872.8993075079015	24.54877354	24.1390060434966
565	14625	1298.85867303514	804937.3170250766	39.08554163493067	-100.7946703	344761.0389402754	4273781.41099489	2975.978655375303	2895.336956926378	2873.345895038548	2873.816437132667	22.1903657648939	22.176928135574
566	14626	1958.85867303514	804937.3170250766	39.08554152370506	-100.7925459	344962.134217076	4273776.63	2977.400319	2894.029109159847	2874.491073491301	2875.012576896451	19.53805656931376	19.0165236234172
567	14627	2618.85867303514	804937.3170250766	39.08554136801259	-100.7902215	345163.1842009734	4273774.65036942	2976.53075375104	2892.517313289363	2875.930385786748	2876.748236382705	16.58657471238803	16.045148906571
568	14628	3278.85867303514	804937.3170250766	39.08554117	-100.7878972	345364.229186438	4273770.66945182	2974.3036149245895	2891.070112550355	2877.539546501196	2878.17849312322	13.46147075384926	12.84142748013573
569	14629	3938.85867303514	804937.3170250766	39.08554092194437	-100.7855729	345565.27382183	4273768.1387077	2978.495342676057	2889.4795342676057	2879.007749250584	2879.708986456905	10.9772462101523	10.7772462101523
570	14630	4598.8586730351	804937.3170250766	39.08554063156862	-100.7832486	345766.3186	4273772.7068562	2980.694052467506	2887.9528712116094	2879.17849312322	2879.81565764818	7.8171289928736	7.81731356319153
571	14631	5258.8586730351	804937.3170250766	39.08554029629842	-100.7809242	345967.3632122584	4273778.725999005	2982.696051691870	2886.42021288468	2878.097083382778	2878.2464765582478	4.6325359058186	4.6325359058186
572	14632	5918.8586730351	804937.3170250766	39.08553991613378	-100.778599	346168.0474670641	4273774.745	2985.333374800057	2884.882916419169	2870.985246664754	2870.570999110045	1.80708995269347	1.4302917309124041
573	14633	6578.8586730351	804937.3170250766	39.085539491074705	-100.7762756	346369.4517	4273776.764525057	2987.727000446303	2883.340126314802	2868.944163916965	2868.307174986847	1.16395623973269	1.03836764331313
574	14634	7238.8586730351	804937.3170250766	39.08553901121214	-100.7739512	346570.495707023	4273776.784	2990.612720443275	2881.7926701373936	2864.036720676432	2863.93147187845	0.14212296905304	0.14212296905304
575	14635	7898.8586730351	804937.3170250766	39.08553866233074	-100.7716269	346771.53660295405	4273772.80317267	2995.052858279066	2880.2411247459646	2861.633601484186	2861.331381959513	0.6607522991777	0.190887516451634
576	14636	8558.8586730351	804937.3170250766	39.085537964573296	-100.7693026	346972.833634422	4273775.825350225	2997.056206797966	2882.684238634257	2859.0324	2859.269326	19.06320353046657	19.4170037
577	14637	9218.8586730351	804937.3170250766	39.08553731189413	-100.7669783	347173.628684628	4273776.836298	2995.537637881252	2877.52899770104	2857.85844513634	2857.85844513634	19.27734251035764	19.4784521594885
578	14638	9878.8586730351	804937.3170250766	39.08553689238219	-100.7646359	347374.6703953619	4273775.86376291	2995.797900736291	2875.700916717894	2856.168440569916	2856.097853964493	18.47272176534511	18.47272176534511
579	14639	10538.8586730351	804937.3170250766	39.08553630840045	-100.762313	347575.628103203	4273775.836736374	2995.4784612783023	2854.72174696117	2856.3467672052	2856.3467672052	16.9389812456273	16.9389812456273
580	14640	11198.8586730351	804937.3170250766	39.085535258617185	-100.7600053	347775.7568456482	4273772.904579489	2995.0567177058776	2872.4565304578027	2852.768655070036	2852.672242451079	19.69695360709132	19.78428860273277
581	14641	11858.8586730351	804937.3170250766	39.08553447042685	-100.757881	347977.7998486116	4273778.925249938	2997.96548	2870.940468116028	2851.2103030120697	2851.0686847971524	19.97891384450371	19.97891384450371
582	14642	12518.8586730351	804937.3170250766	39.08553362529375	-100.7553566	348178.842704942	4273773.946026535	2999.8714024262	2869.35987	2849.667339140035	2849.58100909752	19.69268126474978	19.7788962689173
583	14643	13178.8586730351	804937.3170250766	39.0855327129043	-100.7530323	348379.88484119285	4273776.90706825	2996.129438019984	2867.32692126177	2848.4661618489104	2848.3848015250474	19.35703277266505	19.35703277266505
584	14644	13838.8586730351	804937.3170250766	39.08553186239064	-100.750758	348580.9279718207	4273776.98	2998.950445415343	2866.29378423186	2847.5525225787386	2847.49116884458	18.7454585457096	18.86692097922075
585	14645	14498.8586730351	804937.3170250766	39.08553089800045	-100.7483836	348781.9702840125	4273775.93809796	2998.70070083985	2865.782012911795	2846.75911683	2846.75911683	18.02646703764585	18.02646703764585
586	14646	15158.8586730351	804937.3170250766	39.085529979138	-100.7460503	348982.191030363	4273771.01030363	2995.45127469483	2864.35892496005	2846.7359047490263	2846.7359047490263	16.393894964532	16.393894964532
587	14647	15818.8586730351	804937.3170250766	39.0855288633287	-100.743735	349184.0547660045	4273771.05274688	2995.8506662746	2861.871448330935	2846.301106608185	2846.2535288454255	15.153341722916422	15.5639148550036
588	14648	16478.8586730351	804937.3170250766	39.085527775868	-100.7414107	349385.09683795215	4273771.05736909	2996.3055599714	2860.362146	2846.6248327402457	2846.573132406218	13.810384623212506	13.810384623212506
589	14649	17138.8586730351	804937.3170250766	39.0855265448701	-100.7390863	349586.1387	4273770.91675678	2996.170705	2858.926879556026	2847.64853524259	2847.53378592024	11.2783413243546	11.39309296447856
590	14650	17798.8586730351	804937.3170250766	39.08552536222735	-100.736762	349787.1804051795	4273773.1182759	2996.308354666762	2857.510253923023	2849.4740569964085	2849.415175757835	8.0631879564113	8.0957367
591	14651	18458.8586730351	804937.3170250766	39.0855241630646	-100.734477	349988.2218723837	4273769.11602772	2996.67076035413	2856.1099947688734	2851.8940592766043	2851.9366868734	6.433374349	6.433374349
592	14652	19118.8586730351	804937.3170250766	39.085522895101	-100.732113	350189.26352547	4273769.16354431	2995.7848412783023	2854.72174696117	2856.3467672052	2856.3467672052	4.6325359058186	4.6325359058186
593	14653	19778.8586730351	804937.3170250766	39.08552156203605	-100.729979	350399.304802023	4273769.34942037	2995.879302048136	2853.9886209437	2858.0551423538	2858.0551423538	2.415653490269051	2.4173006419162448
594	14654	20438.8586730351	804937.3170250766	39.08552019422164	-100.7274647	350591.3459276304	4273767.20902108	2994.28470174433005	2851.957707	2857.4539533619445	2858.03509167819	0.0	0.0
595	14655	21098.8586730351	804937.3170250766	39.085518748536	-100.7251404	350792.386518325	4273767.202008074	2994.781484718527	2850.5711723179584	2852.983120444668	2853.3389891480104	0.0	0.0
596	14656	21758.8586730351	804937.3170250766	39.0855173285468	-100.722816	350993.42734571185	4273769.25160486	2994.0932419147948	2849.17638017311	2848.56967628013253	2848.790602782071	0.06181005989466	0.3857774025043329
597	14657	22418.8586730351	804937.3170250766	39.08551658123964	-100.7204917	351194.480046048	4273767.7548322	2994.166789500175	2847.79574664095	2848.175751588874	2848.36676764258	0.904618075221281	3.402987039569325
598	14658	23078.8586730351	804937.3170250766	39.08551473970118	-100.7181674	351395.58851872383	42737671.302	2994.2411565882936	2846.34809851521	2839.76117819354	2839.9147155022097	6.586418032166875	6.433374349
599	14659	23738.8586730351	804937.3170250766	39.08551291158326	-100.715913	351597.58911343286	4273767.34942037	2994.2411565882936	2844.35892496005	2846.7359047490263	2846.7359047490263	4.6325359058186	4.6325359058186
600	14660	24398.8586730351	804937.3170250766	39.0855110443881	-100.713517	351797.58911343286	4273767.34942037	2994.2411565882936	2844.35892496005	2846.7359047490263	2846.7359047490263	2.415653490269051	2.4173006419162448
601	14661	25058.8586730351	804937.3170250766	39.08550936228555	-100.711944	351988.6291943485	4273765.73403655	2994.104524294102	2841.366844013012	2828.340399347314	2828.255185028494	1.32664473399066	1.326413620640935
602	14662	25718.8586730351	804937.3170250766	39.085507635288									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SatTElev.f	SatTElevBot.f
63	20	1473	79178.8586730335	804937.3170250766	39.08521865475857	-105.2060603	368483.4449032871	427323.901687616	2830.951861	2730.820034005635	2690.0109488398007	2689.8525468070379	40.80980516583404	40.9674859352626
684	20	1474	79838.8586730335	804937.3170250766	39.08521324641511	-105.181276	368884.477306168	427322.9393636028	2828.529624873305	2729.57945926748	2690.244964867205	2690.140154947035	39.4748997695374	39.4748997695374
685	20	1475	80488.8586730335	804937.3170250766	39.085217411195626	-105.158617	36885.5024903936	427322.9393636028	2838.10738647044	2729.3388432402956	2690.00329672653	2690.03329672653	38.335401724858	38.335401724858
686	20	1476	81158.8586730335	804937.3170250766	39.085162829512593	-105.136274	369086.5310044555	427323.01205914	2823.685152051914	2727.090930324358	2688.807563024358	2688.804057951939	38.2230272005524	38.2963038427159
687	20	1477	81818.8586730335	804937.3170250766	39.085196162127416	-105.113031	369287.55945137993	427323.0139713191	2821.5196205216327	2725.8601804075056	2686.986119368659	2686.805841583184	38.940610206462	39.05438824087154
688	20	1478	82478.8586730335	804937.3170250766	39.08519116423514	-105.089788	369488.58717190815	427323.01491731951	2819.610793382614	2724.622168670928	2684.677860456945	2684.3659670568213	38.74457337117431	40.2562498137745
689	20	1479	83188.8586730335	804937.3170250766	39.08518555144907	-105.066545	369689.61596625453	427323.100213908	2817.701961474376	2723.38782250955	2682.22786299378286	2681.831844836610	41.1559262312626	41.5511931434901
690	20	1479	83798.8586730335	804937.3170250766	39.085179853756923	-105.043032	369890.64403459843	427323.1067868435	2815.793439105054	2722.427938106504	2679.776432520482	2678.76413969161634	42.36603390166145	42.42360391468996
691	20	1479	84488.8586730335	804937.3170250766	39.085174111195626	-105.020606	370081.6718771962	427323.2073671895	2813.24861786949	2720.989110111689	2677.40561185376	2676.986701706394	43.0349721838074	43.12556410389674
692	20	1479	85118.8586730335	804937.3170250766	39.08516838728314	-105.009618	370222.6997416124	427323.245981125	2810.216929737147	2719.6541180977346	2675.10577837167	2674.695281430657	45.47002140117	44.95580348693
693	20	1479	85758.8586730335	804937.3170250766	39.08516255136723	-104.973572	370483.72748578223	427323.285865535	2807.135713713711	2718.406566608326	2672.871327774934	2671.525678896	45.514833266585	45.8399807076688
694	20	1479	86458.8586730335	804937.3170250766	39.08515669411245	-104.950329	370684.75505223416	427323.325177718	2807.453535550778	2717.51760946202	2670.730430842157	2670.400299161579	46.45271367786094	46.7573130051293
695	20	1479	87098.8586730335	804937.3170250766	39.08515079196384	-104.927086	370895.7824937226	427323.365	2802.45489544713	2715.807364998084	2668.56208414905	2668.162777246515	47.7445775156952	47.7445775156952
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700	20	1479	90398.8586730335	804937.3170250766	39.085120607816066	-104.810871	371900.9178334525	427323.56456564	2801.718995090062	2709.635286786494	2655.857610764879	2655.42006907422	53.79179137127262	54.21262577127262
701	20	1479	91058.8586730335	804937.3170250766	39.08511403430553	-104.787628	372101.944528834	427323.60039484	2795.09556253326	2708.37279945921	2653.792107519805	2653.28147890511	54.8508913140165	55.1309248747997
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705	20	1479	93698.8586730335	804937.3170250766	39.08508912967121	-104.694841	372906.105974582	427323.758196434	2783.84861780449	2703.442155250075	2650.42730584943	2649.83701524549	55.5802412546592	55.5802412546592
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710	20	1479	96998.8586730335	804937.3170250766	39.08505687248406	-104.578411	373911.172952017	427323.967	2768.768994776309	2696.8873617676684	2645.226327372735	2643.750877695618	55.61613994933053	55.13671367205052
711	20	1479	97698.8586730335	804937.3170250766	39.08505025252024	-104.553878	374112.2047928055	427323.91826373	2767.189865437105	2695.910981395618	2644.588699170614	2643.454579158183	55.048379721483436	55.14572298165378
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715	20	1479	100298.8586730335	804937.3170250766	39.08502331351376	-104.462226	374916.3053954954	427323.90721	2764.1657897268934	2690.357443480856	2631.8150790124464	2629.861785172843	58.5422644684699	60.49556830012935
716	20	1479	100958.8586730335	804937.3170250766	39.08501647414374	-104.439893	375117.303598407	427323.91378925	2761.893021341660075	2689.041341606075	2629.3780570338463	2628.7606843068	59.66328457222456	61.4157216800024
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722	20	1479	104918.8586730335	804937.3170250766	39.08497446	-104.299526	376323.4770235893	427323.914528451	2751.960039733996	2681.094233111376	2622.632307902537	2622.4995047817065	57.412502083891	58.5947322666958
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724	20	1479	106238.8586730335	804937.3170250766	39.08496010054064	-104.253034	376725.548953671	427323.9181581616	2750.767320732486	2678.426865305678	2620.04547271447	2620.06740489385	56.3821787655961	56.3821787655961
725	20	1479	106898.8586730335	804937.3170250766	39.0849529267058	-104.230248	376929.68302706	427323.9181581616	2750.0816836553	2676.8237010948	2618.4237010948	2617.4237010948	56.7942419	56.7942419
726	20	1479	107658.8586730335	804937.3170250766	39.0849455813849	-104.206514	377127.5724117844	427323.9170314279	2747.116198	2675.7050705878	2623.514704475556	2622.96859730105		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.ft	BR/ElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
19	21	14869	-320601.1413	805597.3170250766	30.0818757688403	-101.9477081	5402503.911705885	4239999.48885368	3875.52496736252	3770.181284953869	3773.201939530569	3772.7525943595287	17.4229320300093	17.4229320300093
70	21	14870	-325401.1413	805597.3170250766	30.0818757688403	-101.945384	545225.0564015878	4239995.38675479	3876.707081147364	3778.270810905343	3771.570701663263	3770.7835890819676	16.70100924	20.8849118239747
71	21	14871	-324781.1413	805597.3170250766	30.0818757688403	-101.943006	545426.0130007038	4239991.3186412165	3877.278623890424	3780.330732634423	3778.724582638976	3778.724582638976	15.848486124363284	17.6083114263284
72	21	14872	-324081.1413	805597.3170250766	30.08184210036879	-101.940736	545627.341005103	4239987.25377373	3875.240850450445	3784.362452384587	3770.871798087318	3769.935486095146	13.48446256772608	14.4270428799095
73	21	14873	-323241.1413	805597.3170250766	30.08186412142628	-101.9384119	545828.4095792687	4239983.1890755163	3873.201888140454	3782.362704749962	3771.4852404077393	3770.903625878817	10.882066077256917	11.423678896179354
74	21	14874	-322761.1413	805597.3170250766	30.0818660769025	-101.9360879	546029.6349018205	4239979.124545102	3871.162920314545	3785.740576653915	3771.422129479056	3770.746016680426	9.334948069594126	9.334948069594126
75	21	14875	-322101.1413	805597.3170250766	30.08200803	-101.9337638	546230.7187871953	4239975.060186282	3867.447734787338	3778.29903177652	3769.033854712627	3769.033854712627	8.26264570389321	9.019185127888842
76	21	14876	-321441.1413	805597.3170250766	30.082091529678	-101.9314398	546481.9225905706	4239970.95959701	3862.05436870253	3786.299045265053	3768.34486951578	3766.7903759487482	8.37496268102434	9.34775962857071
77	21	14877	-320781.1413	805597.3170250766	30.0820175681222	-101.9291157	546693.9660578106	4239965.031977411	3863.946927861723	3774.133837	3763.845891510769	3763.845891510769	10.2888857665113	10.2888857665113
78	21	14878	-320121.1413	805597.3170250766	30.0820735344204	-101.9257197	546834.2092739167	4239962.88	3851.273526532298	3772.01905158075	3761.063687	3760.265725527713	10.954356956565	11.7514826053308
79	21	14879	-319461.1413	805597.3170250766	30.0820635018622	-101.9244676	547035.3229307518	4239958.00446864	3848.255124914881	3769.83482	3756.601834305154	3756.757103039807	13.2727585319477	13.12632007278464
80	21	14880	-318801.1413	805597.3170250766	30.0821170124468	-101.9221436	547236.4495343866	4239954.704305941	3841.609731046339	3767.731105	3749.401620326192	3749.871252380438	18.329484940097753	17.85898188369159
81	21	14881	-318141.1413	805597.3170250766	30.0821386740141	-101.9198195	547437.6374	4239950.678	3836.964371781963	3765.6513858065197	3740.8147620634135	3741.4832525024254	24.78460735620222	24.78460735620222
82	21	14882	-317481.1413	805597.3170250766	30.08216029110438	-101.9174955	547638.7796309578	4239946.51422774	3827.318943306027	3763.7486784902	3731.884714256549	3732.889805923064	31.400115363	30.48051096183028
83	21	14883	-316821.1413	805597.3170250766	30.08218186330552	-101.9151574	547839.9215944032	4239942.551420514	3823.361316259867	3761.7723485919	3723.0873216716304	3730.948215041318	38.0849131796786	37.08301801619122
84	21	14884	-316161.1413	805597.3170250766	30.0822033906208	-101.912874	548041.0633073338	4239938.488587792	3822.096821065363	3758.93346477467	3714.692925470857	3715.57486711086	40.2402099381495	43.37487306578144
85	21	14885	-315501.1413	805597.3170250766	30.082224673505215	-101.9105233	548242.20477175005	4239934.42504064	3816.83050927105	3756.71483130005	3707.9508054568136	3707.40548096425	48.619562821917	49.3091574475169
86	21	14886	-314841.1413	805597.3170250766	30.08224631053646	-101.908192	548443.345806007	4239930.364304015	3814.558619276154	3701.438213167873	3701.287896155672	3701.287896155672	53.167957742315	53.167957742315
87	21	14887	-314181.1413	805597.3170250766	30.08226770325111	-101.9058752	548644.48695106973	4239926.30170678	3808.47939736821	3752.17766316511	3700.161929551262	3699.671522766031	52.0156336488564	52.5066047504777
88	21	14888	-313521.1413	805597.3170250766	30.0822905102256	-101.9035511	548845.627067977	4239922.239	3806.4372477940424	3749.8802599269065	3703.8685038028044	3703.691709158794	46.01717625	46.27048030212445
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91	21	14891	-311541.1413	805597.3170250766	30.0823529052045	-101.896336	549465.862218638	4239910.03505292	3798.45282691428	3747.17183167234	3735.033641408867	3735.033641408867	52.428198514204	52.428198514204
92	21	14892	-310881.1413	805597.3170250766	30.08237393247415	-101.894258	549650.1804375245	4239905.962	3798.30473181891	3740.51076232315	3736.25834832296	3737.90190720195	1.420341391018763	2.5025725211199204
93	21	14893	-310221.1413	805597.3170250766	30.08239511658819	-101.8919308	549851.3275172501	4239901.930712481	3795.78016217861	3738.1256170002575	3726.32183538238	3727.38698204011	8.28574146201972	10.7269187962258
94	21	14894	-309561.1413	805597.3170250766	30.0824162	-101.889607	550052.4657428073	4239987.698593791	3793.1799771716974	3735.7248654873288	3717.240074023216	3717.959757602340	14.7649490500717	17.76510784889538
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96	21	14896	-308241.1413	805597.3170250766	30.08245821729828	-101.884858	550454.744451355	4239984.78167194	3787.7901611605243	3730.878225060575	3701.249773076452	3702.58414845847	29.690429429615407	28.647565038071
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98	21	14898	-306921.1413	805597.3170250766	30.0825005953805	-101.8803104	550862.6217108137	4239984.67271063	3785.37785216232	3725.78715942382	3697.973132440589	3697.973132440589	30.05057534846	36.2819539730061
99	21	14899	-306261.1413	805597.3170250766	30.082520914011999	-101.8778963	551058.159160175	4239987.5663172	3776.370777703036	3723.514988062044	3682.0147214211875	3683.201405	41.9995717796357	40.313093732293964
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102	21	14902	-304281.1413	805597.3170250766	30.0825832067675	-101.8710141	551661.1716429414	4239985.36828434	3771.407983	3716.07301822336	3665.753324511337	3665.753324511337	50.31769371205505	48.240131160116665
103	21	14903	-303621.1413	805597.3170250766	30.0826038124516	-101.86889	551862.7085237273	4239984.26996887	3768.846076198038	3715.57423808446	3660.994038630473	3663.70260799232	52.8638517707699	50.409163028910825
104	21	14904	-302961.1413	805597.3170250766	30.08262451083426	-101.866336	552063.945114858	4239985.271362425	3767.45218248209	3713.0834040544202	3656.47001878438	3656.47001878438	54.613281758249	52.428198514204
105	21	14905	-302301.1413	805597.3170250766	30.0826450553805	-101.8640418	552284.9819240828	4239983.208	3760.045281534248	3708.58581	3652.16522068817075	3654.197203409653	54.2876501922263	54.2876501922263
106	21	14906	-301641.1413	805597.3170250766	30.0826665353438	-101.8617178	552466.1189126908	4239984.191472846	3768.677324202525	3706.08593251243	3648.068094	3650.08186467485	57.99954977172274	56.0040638393375
107	21	14907	-300981.1413	805597.3170250766	30.08268661302835	-101.8593837	552687.2542132496	4239983.009212674	3765.826568947	3703.583604028842	3644.232125308133	3646.260580803721	59.51479094575204	57.91319163144
108	21	14908	-300321.1413	805597.3170250766	30.0827068032674	-101.8570696	552868.389902228	4239984.03144682	3765.490975994065	3701.069896	3640.60985045991	3642.57493820047	61.40055822358754	58.49419516701203
109	21	14909	-299661.1413	805597.3170250766	30.0827269854268	-101.854745	553095.525221215	4239983.97280459	3763.51289893047	3698.53489534996	3637.22885191382214	3637.22885191382214	63.4539529738706	61.40055822358754
110	21	14910	-299001.1413	805597.3170250766	30.08274735175798	-101.8524214	553270.6608100045	4239982.514342015	3765.00627168476	3696.10189054756	3635.40177288574	3635.40177288574	64.796663053818662	60.5906439618862
111	21	14911	-298341.1413	805597.3170250766	30.0827681905206	-101.850178	553471.798532027	4239983.65081698	3764.54642815547	3694.735902105448	3633.99047178989	3633.99047178989	65.9189273802738	61.713728974565
112	21	14912	-297681.1413	805597.3170250766	30.08278793129106	-101.847732	553670.9055223272	4239982.79087347	3754.57244284081	3690.8911565655	3628.3863143883249	3628.3863143883249	65.1021861200503	61.1731728974565
113	21	14913	-297021.1413	805597.3170250766	30.08280815723274	-101.8454491	553874.0652072791	4239982.704158338	3750.58081368954	3688.326717470453	3626.9070250889			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
196	21	14995	-242901.1413	805597.3170250766	39.08483139	-101.6548691	70366.2881785296	432948.566411803	3518.879961522647	3447.471671084346	3418.5991525711743	3415.9815632925846	28.27518513262094	31.4901709185179
196	21	14996	-242221.1413	805597.3170250766	39.0843043006769	-101.6525449	70567.40319728176	432948.522534049	3515.150611097393	3444.231583044483	3417.080858632797	3414.59349805832797	27.15129910202285	29.63743576497791
197	21	14997	-241681.1413	805597.3170250766	39.08434686906964	-101.6502207	70768.51789892581	432948.478051147	3511.432160886915	3440.365978696376	3415.546389146375	3412.62519103325	26.4388985756051933	28.36085756051933
198	21	14998	-240921.1413	805597.3170250766	39.08436326814432	-101.6478965	70969.6325504964	432947.6435254943	3507.708202454943	3437.736455	3413.921021461216	3412.09824075968	23.812291	25.63840011643434
199	21	14999	-240261.1413	805597.3170250766	39.0843796333775	-101.6455723	71170.746893691	432947.318973485	3499.407554491501	3434.830435368375	3412.129863	3410.33069387667	22.35319242754349	24.147986148260565
200	21	15000	-239601.1413	805597.3170250766	39.08430595361118	-101.6432481	71371.3610605592	432948.3486676176	3486.530446649553	3431.226437520161	3410.8943564562824	3408.50670080284	20.33160187387573	22.75192409277016
201	21	15001	-238941.1413	805597.3170250766	39.084412229054564	-101.6409239	71572.9748934695	432948.305616762	3473.625103725588	3427.670680896586	3409.0186560459856	3406.6451775919475	19.88401077959475	21.32149239017407
202	21	15002	-238281.1413	805597.3170250766	39.08442846	-101.6385997	717174.0886549554	432947.260739477	3460.775024126258	3424.705735294573	3407.1204718680093	3404.781393772254	18.948401631367408	19.92299129231938
203	21	15003	-237621.1413	805597.3170250766	39.0844464511925	-101.6362707	71975.2020004564	432948.220032912	3458.6958677858	3421.4390042521445	3405.2696791952025	3402.667091952025	18.12221212952604	19.568646621506763
204	21	15004	-236961.1413	805597.3170250766	39.084467859242	-101.6339513	72172.7163500455	432948.17749507	3458.356905741383	3418.170275056456	3404.356012486554	3400.9522242181	17.21783252561554	18.14195021186151
205	21	15005	-236301.1413	805597.3170250766	39.0844768181545	-101.6316271	72377.2720285546	432948.135125899	3461.0034719304176	3414.8883089537534	3401.51574825036	3399.064952793045	13.8252641107734	15.833356196708337
206	21	15006	-235641.1413	805597.3170250766	39.08449292776206	-101.6293029	72575.54105475637	432948.09225432	3463.674353106698	3411.623488913126	3400.398136400845	3398.309496663702	11.22535212280551	12.692639246755789
207	21	15007	-234981.1413	805597.3170250766	39.084503885095	-101.6269787	72779.653812068	432944.0051	3468.954589340636	3398.724511503063	3395.754792871389	362.1427901058269	11.15914653324696	11.74513395869751
208	21	15008	-234321.1413	805597.3170250766	39.08452490003394	-101.6246545	72980.75696875	432943.009303549	3470.85570064847	3405.065373862375	3396.809645112105	3394.89139532735	8.258928416499657	10.74533995869751
209	21	15009	-233661.1413	805597.3170250766	39.08454081622557	-101.6223303	73181.8779787312	432943.367338115	3474.757294317554	3401.781341955596	3394.014601506844	3393.488787956495	7.766740449750614	8.929463202405408
210	21	15010	-233001.1413	805597.3170250766	39.08455667727456	-101.620061	73382.9898412156	432942.925810345	3478.658639	3398.493357831917	3391.840909350432	3391.4665288693476	6.52467481480016	7.6326582564344
211	21	15011	-232341.1413	805597.3170250766	39.0845725423901	-101.617819	73584.1014797845	432943.88445229	3472.90287717113	3395.201983993173	3398.75540541358	3398.06763306703	5.4654885181899	6.13435408907742
212	21	15012	-231681.1413	805597.3170250766	39.0845852856024	-101.6153577	73785.21294948	432943.82466476	3457.509217697193	3391.078806072707	3387.245732074172	3386.73135161014	4.46248533098435	5.17656479129532
213	21	15013	-231021.1413	805597.3170250766	39.0846043259108	-101.6130335	73986.3240860105	432945.802	3442.10911582629	3388.611365	3384.5130614702366	3384.00828594257	4.098304012121348	4.063362623024024
214	21	15014	-230361.1413	805597.3170250766	39.08461972443153	-101.6107093	74187.4350540721	432945.701	3426.7909287268	3385.312753726536	3381.798872072811	3381.990745091278	3.513881653725093	3.322078252576967
215	21	15015	-229701.1413	805597.3170250766	39.0846357318152	-101.608385	74388.5547990365	432947.72071118	3423.12920133608	3382.6126029458	3378.9818942759375	3379.40754989637	3.03046609502026	2.6047852868241534
216	21	15016	-229041.1413	805597.3170250766	39.08465097344108	-101.606008	74589.655211174	432943.680197246	3415.3672990532	3378.710294305097	3376.016004300843	3376.425171802951	2.654273275585864	2.267732275585864
217	21	15017	-228381.1413	805597.3170250766	39.08466620610172	-101.603688	74795.2020004564	432943.680197246	3415.3672990532	3378.710294305097	3376.016004300843	3376.425171802951	2.654273275585864	2.267732275585864
218	21	15018	-227721.1413	805597.3170250766	39.08468128288645	-101.6012414	74991.876974259	432935.59657193	3404.841387245063	3372.10417407761	3370.370297488092	3372.37316086026	1.9354379189517582	0
219	21	15019	-227061.1413	805597.3170250766	39.08469751027663	-101.5990882	75192.9886	432935.59657193	3404.841387245063	3372.10417407761	3370.370297488092	3372.37316086026	1.9354379189517582	0
220	21	15020	-226401.1413	805597.3170250766	39.0847129377403	-101.596764	75394.0961843344	432937.519827536	3448.55538321284	3365.501983123084	3365.421258319394	3368.361896201827	0.800724804	0
221	21	15021	-225741.1413	805597.3170250766	39.084728321	-101.5944397	75595.20595338	432933.480156583	3446.302062816438	3362.2040902506137	3363.2394919608178	3366.64956426984	0	0
222	21	15022	-225081.1413	805597.3170250766	39.08474364309695	-101.592115	75796.7614784379	432937.519827536	3448.55538321284	3365.501983123084	3365.421258319394	3368.361896201827	0.800724804	0
223	21	15023	-224421.1413	805597.3170250766	39.08475890224248	-101.589778	75987.4297919626	432937.519827536	3448.55538321284	3365.501983123084	3365.421258319394	3368.361896201827	0.800724804	0
224	21	15024	-223761.1413	805597.3170250766	39.0847741738717	-101.5874217	76198.532052524	432937.519827536	3448.55538321284	3365.501983123084	3365.421258319394	3368.361896201827	0.800724804	0
225	21	15025	-223101.1413	805597.3170250766	39.08478937190124	-101.5851429	76399.6410235814	432936.321584765	3435.600854740084	3349.0473711079794	3358.090540399217	3361.75568490407	0	0
226	21	15026	-222441.1413	805597.3170250766	39.0848045205545	-101.5828186	76600.749320573	432933.284	3432.67727218044	3345.770342490905	3355.174797482016	3362.071654458894	0	0
227	21	15027	-221781.1413	805597.3170250766	39.08481963331705	-101.580494	76801.85741183173	432939.246	3437.50288267916	3342.499756298955	3354.6744557647057	3361.505945560643	0	0
228	21	15028	-221121.1413	805597.3170250766	39.0848346668875	-101.5781702	77002.065723028	432935.207179673	3450.07633893957	3339.236559155483	3354.27551736373	3364.858252949	0	0
229	21	15029	-220461.1413	805597.3170250766	39.08484971516962	-101.575848	77204.02479	432935.16887135	3452.64976194744	3338.622603221314	3353.981141892507	3361.6999317387984	0	0
230	21	15030	-219801.1413	805597.3170250766	39.08486495981017	-101.5735217	77405.1802414689	432937.519827536	3454.072925143254	3337.194824229696	3351.014977058437	3376.306962715068	0	0
231	21	15031	-219141.1413	805597.3170250766	39.08487961745874	-101.571975	77606.26547702	432934.0927176075	3458.304559438575	3329.510093329943	3354.305791376696	3362.28418807737	0	0
232	21	15032	-218481.1413	805597.3170250766	39.0848945	-101.568873	77807.394252756	432933.05400061	3468.84382131574	3326.2949804583186	3353.270100615753	3361.6925519835336	0	0
233	21	15033	-217821.1413	805597.3170250766	39.0849030418414	-101.5665491	78008.5012947351	432935.017252093	3490.484204913806	3323.0957917116973	3354.12729	3362.5519393578	0	0
234	21	15034	-217161.1413	805597.3170250766	39.084924134210375	-101.5642248	78209.67837837059	432937.519827536	3494.074027696148	3319.913378888196	3355.602106337693	3361.5018907984	0	0
235	21	15035	-216501.1413	805597.3170250766	39.08493888334564	-101.5619006	78410.7616387847	432936.342460542	3497.30773776392	3316.747071815367	3356.638789014604	3364.152702104125	0	0
236	21	15036	-215841.1413	805597.3170250766	39.08495358759085	-101.5595764	78611.8203	432932.305371482	3500.185035195353	3313.596917005281	3358.30012079698	3365.264682630578	0	0
237	21	15037	-215181.1413	805597.3170250766	39.08496849849814	-101.5572817	78812.4818428362	432932.305371482	3500.185035195353	3313.596917005281	3358.30012079698	3365.264682630578	0	0
238	21	15038	-214521.1413	805597.3170250766	39.08498286145045	-101.5549729	79013.018301384	432931.8135315678	3505.938299137283	3307.356123894011	3357.014086792853	3367.782421880737	0	0
239	21	15039	-213861.1413	805597.3170250766	39.08499743097598	-101.5526037	79215.1372825476	432930.794899077	3505.108359937424	3304.269738868396	3363.7715268477473	3365.336322400976	0	0
240	21	15040	-213201.1413	805597.3170250766	39.08501195655766	-101.5502794	79416.2425163941	432930.794899077	3505.108359937424	3304.269738868396	3363.7715268477473	3365.336322400976	0	0
241	21	15041	-212541.1413	805597.3170250766	39.0850263454439	-101.5479552	79617.3427376035	432930.722129051	3496.027655240887	3298.173039744484	3369.055973108393	3372.874776905928	0	0

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThkLogs.ft	SatThkBoth.ft
321	21	1521	-157947.1413	805597.3170250766	39.08603938886665	-101.3620135	295705.06158158195	4238980.363150601	306.64212821625955	3188.3961470441836	3210.4114893219667	3219.224344232516	0	0
322	21	1522	-159081.1413	805597.3170250766	39.0860502140706	-101.3594085	295906.149537457	4238976.340486795	332.23114876489795	3187.8727480176867	3209.2876469695956	3210.3210142095306	0	0
323	21	1523	-158421.1413	805597.3170250766	39.0860181103534	-101.3573469	296107.237933136	4238972.317564818	333.6216896327987	3187.3498992247987	3207.947898921488	3220.791827302087	0	0
324	21	1524	-157761.1413	805597.3170250766	39.086071764769876	-101.3550005	296308.2514718928	4238968.295608661	334.814582579621	3186.829138590575	3207.762306041365	3221.330181180313	0	0
325	21	1525	-157101.1413	805597.3170250766	39.08602437611124	-101.3527162	296509.412601887	4238964.273430317	335.0270198257174	3186.311468923423	3206.481773712731	3221.921255649288	0	0
326	21	1526	-156441.1413	805597.3170250766	39.08603313755945	-101.3503919	296710.4985550105	4238960.251419782	336.0913923492027	3185.7963875476185	3204.904652843873	3222.403954549803	0	0
327	21	1527	-155781.1413	805597.3170250766	39.086103756144335	-101.3480676	296911.586809398	4238956.229577041	336.7625540385234	3185.283272467182	3203.893343803295	3221.493469171484	0	0
328	21	1528	-155121.1413	805597.3170250766	39.086114330716184	-101.3457433	297112.61673764093	4238952.207902091	336.692418592563	3184.7714424502014	3202.890182119949	3221.469130822457	0	0
329	21	1529	-154461.1413	805597.3170250766	39.086126460044706	-101.3434918	297313.76041610574	4238948.162939418	336.6216896327987	3184.268530759821	3201.988515926258	3221.207474695547	0	0
330	21	1530	-153801.1413	805597.3170250766	39.0861354441195	-101.3410497	297514.5469702473	4238944.15055532	339.5611477005414	3183.750244283584	3201.181758637385	3221.088548699335	0	0
331	21	1531	-153141.1413	805597.3170250766	39.086145578390714	-101.3387704	297715.8322248908	4238940.1438819105	339.8288520857399	3183.2041547284862	3200.4715880517206	3220.4744476892107	0	0
332	21	1532	-152481.1413	805597.3170250766	39.08615617849577	-101.3364641	297917.019280604	4238936.122878048	339.7313963020742	3182.7296457529825	3189.849561612396	3221.854445	0	0
333	21	1533	-151821.1413	805597.3170250766	39.086166528191086	-101.3341218	298118.105172871	4238932.102041398	339.59334905183504	3182.2180979134855	3188.5795179734923	3229.096629714526	0	0
334	21	1534	-151161.1413	805597.3170250766	39.086176832931014	-101.3317975	298319.190795208	4238928.01373571	339.3364847342526	3181.704910617461	3198.09302728278	3229.28471696037	0	0
335	21	1535	-150501.1413	805597.3170250766	39.086187602910712	-101.3294732	298520.272505461	4238924.061	339.536625479976	3181.18949898989	3197.6717112570947	3229.8014928183	0	0
336	21	1536	-149841.1413	805597.3170250766	39.08619730791697	-101.3271488	298721.361515678	4238920.040540041	339.13432058464	3180.671464087845	3197.3089775441913	3229.60187070807	0	0
337	21	1537	-149181.1413	805597.3170250766	39.086207478038816	-101.3248245	298922.4465786074	4238916.023074863	339.730289886391	3180.1503001289016	3198.22508251239	3230.985249162361	0	0
338	21	1538	-148521.1413	805597.3170250766	39.08621760327265	-101.3225002	299123.5314431184	4238912.000377402	339.132935679038	3179.625076651325	3197.941145252277	3230.985366468194	0	0
339	21	1539	-147861.1413	805597.3170250766	39.086227663602246	-101.3201759	299324.61611089564	4238907.980547642	339.1611825261916	3179.0960111962495	3197.702974353802	3231.02713736867	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThgLogKrg.ft	SatThgBoth.ft
437	21	15247	-76581.14133	805597.3170250766	39.08705211342011	-101.0691469	321040.6407329448	4328474.824379324	3168.460151468056	3073.435823634955	3018.70701762615586	3018.4961040245215	54.9394423043329
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452	21	15252	-73281.14133	805597.3170250766	39.087075987456116	-101.057525	322045.9606917178	4328465.1140065832	3155.174944004116	3060.612241396113	3000.545697175962	3000.544220615015	62.8874116060225
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457	21	15257	-69981.14133	805597.3170250766	39.0870911663939	-101.0459032	323051.276290396	4328438.815922625	3147.168648	3053.8638292792436	2980.176620168213	2980.176620168213	73.6109188
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479	21	15279	-55461.14133	805597.3170250766	39.08719582481196	-100.994767	327475.61387265043	4328346.856007933	3150.20441133242	3017.1993676884954	2945.995289232324	2945.527500686697	76.58171932
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494	21	15294	-45561.14133	805597.3170250766	39.0872473635758	-100.959913	330240.478935487	4328298.911864175	3142.9112773958143	3003.64399903058	2932.97992164547	2932.97992164547	76.58171932
495	21	15295	-44901.14133	805597.3170250766	39.0872505037116	-100.9575768	330491.5381208475	4328298.911864175	3142.9112773958143	3003.64399903058	2932.97992164547	2932.9799216454	

ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLgthKrg.ft	BRIEVBbothKrg.ft	SatHtLgthKrg.ft	SatHtBothKrg.ft
573	21	15373	6578.858673073351	805597.3170250766	-00.98735210662177	-00.76275	44673.43473940913	4237971.93440733	2967.672398338833	2883.656304228665	2864.7908157912928	2864.4110314281043	18.75848463173727	19.24526894672228
574	21	15374	7238.858673073351	805597.3170250766	-00.98735165665638	-00.79306	446974.47841258424	4237967.95331747	2967.168337477716	2867.228647240858	2862.430617529387	2862.095510114669	19.69822971146914	20.03033713
575	21	15375	7698.858673073351	805597.3170250766	-00.987351121778544	-00.77165	44781.76155105864	4237963.97338865	2968.203069364531	2862.125422552226	2851.8085408971496	2851.618348414038	20.27746205064968	20.37746205064968
576	21	15376	8558.858673073351	805597.3170250766	-00.9873506203892	-00.790318	44769.569107525	4237959.03501973	2967.728947200083	2879.05620460842	2858.9923973067744	2858.74146273879	20.32410217677668	20.32410217677668
577	21	15377	9218.858673073351	805597.3170250766	-00.98734995738684	-00.7669775	44717.6093360197	4237956.02190766	2968.93733743664	2877.531523295258	2857.87035012715	2857.044711428896	19.66068828254356	20.12681186638826
578	21	15378	9878.858673073351	805597.3170250766	-00.987348506126195	-00.746531	447378.6526161695	4237952.03203542	2967.145800746648	2875.9673064077567	2856.4532174894107	2856.058631269286	19.54488918346007	19.93867514
579	21	15379	10538.858673073351	805597.3170250766	-00.98734861	-00.7623287	44759.69574047854	4237948.053	2968.7032	2874.4636772339534	2855.042980088212	2854.70658772339534	19.734765577147	19.758048848490
580	21	15380	11188.858673073351	805597.3170250766	-00.987347840572523	-00.760043	447780.7381989024	4237940.07481779	2968.1190330764175	2872.934376057356	2853.656631483438	2853.318800191857	19.2774520927495	19.15761331788759
581	21	15381	11898.858673073351	805597.3170250766	-00.98734769862291	-00.7576798	44781.76155105864	4237943.97338865	2968.203069364531	2862.125422552226	2851.8085408971496	2851.618348414038	19.26774620506498	19.680718372381263
582	21	15382	12518.858673073351	805597.3170250766	-00.98734625569302	-00.755355	44812.824241181	4237931.114691219	2963.61105335253	2869.891186547894	2850.912759595495	2850.5026283292	18.974274824052	19.2900025179721
583	21	15383	13178.858673073351	805597.3170250766	-00.98734586676565	-00.7530311	448383.8668	4237932.13545443	2968.158272301728	2868.321297107884	2849.903812192037	2849.57028410843	18.7474744193147	18.810131
584	21	15384	13838.858673073351	805597.3170250766	-00.98734446774657	-00.7507068	448584.9091571361	4237928.15663593	2965.08352457495	2866.883070982437	2849.052773913893	2848.7404711950453	17.8305318450077	17.8305318450077
585	21	15385	14498.858673073351	805597.3170250766	-00.98734350330003	-00.7483824	448785.951397387	4237924.177748362	2965.992776625165	2865.969704897818	2848.429314625005	2848.15105789912	17.42599125921933	17.42599125921933
586	21	15386	15158.858673073351	805597.3170250766	-00.98734249521792	-00.746058	44896.934903756	4237920.12098816	2960.89640286739	2863.925047276663	2848.013252572381	2847.673887647063	15.91125125285385	16.0511497026005
587	21	15387	15818.858673073351	805597.3170250766	-00.98734144161028	-00.7437338	44918.0354363635	4237916.20069511	2960.89640286739	2862.488789767082	2847.98324026351	2847.856873857177	14.45884714073109	14.61246019189918
588	21	15388	16478.858673073351	805597.3170250766	-00.9873403310652	-00.7414092	44939.07073347455	4237912.24224988	2960.775841	2861.028751967193	2848.287302620063	2848.167732368905	12.74145731512973	12.8610164033402
589	21	15389	17138.858673073351	805597.3170250766	-00.98733919970756	-00.7390848	44950.1188808305	4237908.26414248	2960.611251581504	2859.056095979903	2848.2545458279957	2849.1682814949413	10.4647376999545	10.43752510408957
590	21	15390	17798.858673073351	805597.3170250766	-00.98733801141344	-00.7367065	44971.16049419774	4237904.296	2961.34630930303	2858.196465164064	2851.645526330606	2851.645526330606	6.5509123309961	6.5509123309961
591	21	15391	18458.858673073351	805597.3170250766	-00.9873367822361	-00.7343461	44992.018541533	4237900.38334559	2960.2706226883	2856.800942021654	2854.4473647462026	2854.5688785158704	2.35794559582626	2.3231156862940465
592	21	15392	19118.858673073351	805597.3170250766	-00.9873355	-00.7321117	45019.24306811206	4237906.33067913	2960.834004915026	2855.415721214429	2857.645670856443	2857.338526214429	0	0
593	21	15393	19778.858673073351	805597.3170250766	-00.9873341771572724	-00.7297873	450394.2841367263	4237905.33189294	2960.397404703173	2854.03936104916	2860.7825961120143	2861.395330478842	0	0
594	21	15394	20438.858673073351	805597.3170250766	-00.987332805208637	-00.7274429	45059.3255085837	4237888.37965128	2960.775841	2852.65423062407	2860.55144643337	2861.1438424064	0	0
595	21	15395	21098.858673073351	805597.3170250766	-00.98733165052884	-00.7251385	45079.3628036457	4237886.369702845	2960.775841	2851.618348414038	2860.775841	2861.618348414038	0	0
596	21	15396	21758.858673073351	805597.3170250766	-00.987329538411314	-00.7228141	45097.046055089	4237880.421713679	2958.42394212485	2849.871571737386	2852.9123212615694	2852.25097545077	0	0
597	21	15397	22418.858673073351	805597.3170250766	-00.98732843627827	-00.7204898	45118.44685059	4237874.44886379	2957.5539741298	2848.4637455813177	2848.965428149586	2849.216200485871	0	0
598	21	15398	23078.858673073351	805597.3170250766	-00.9873268881968	-00.7181654	45139.9482797361	4237872.4822682	2956.675566251435	2847.040694837293	2844.959582	2845.239277449664	2.0450022189292	4.120197023264726
599	21	15399	23738.858673073351	805597.3170250766	-00.9873253	-00.715841	45160.52749505837	4237868.4891728587	2955.904590431542	2845.996491884803	2841.155964988213	2841.271951774964	1.437684200267398	1.837684200267398
600	21	15400	24398.858673073351	805597.3170250766	-00.98732366	-00.713516	45180.1567543958	4237864.515398079	2955.218424953306	2843.1382093461502	2837.61947846865	2837.61947846865	6.51941311267283	6.51941311267283
601	21	15401	25058.858673073351	805597.3170250766	-00.9873224977070864	-00.7116229	45200.1674037575	4237860.392313148	2954.591404776928	2842.984184647987	2834.2617466723414	2834.2617466723414	3.826825176850728	3.826825176850728
602	21	15402	25718.858673073351	805597.3170250766	-00.98732130523024	-00.7098876	45220.1674037575	4237856.632379371	2953.654373791	2841.14661471128	2837.4523470732028	2837.116471128	6.9220424305102	6.9220424305102
603	21	15403	26378.858673073351	805597.3170250766	-00.98731848	-00.7065435	45240.688426445	4237852.58739995	2952.89521851653	2839.61382566614	2829.004858233356	2829.66705102194	10.6808987278627	9.946760549420084
604	21	15404	27038.858673073351	805597.3170250766	-00.9873166126245	-00.7042191	45260.76532219293	4237848.611731754	2951.776448028535	2838.057209672153	2828.46274570746	2828.964716042796	11.593894801578434	11.1099362305623
605	21	15405	27698.858673073351	805597.3170250766	-00.987314789935314	-00.7018947	45280.7656677975	4237844.636229057	2950.93977086778	2837.492908312934	2823.5117014553975	2823.906712519763	12.968219375895842	12.968219375895842
606	21	15406	28358.858673073351	805597.3170250766	-00.9873128291265	-00.6995703	45300.78048422846	4237840.86081996	2949.41150937091	2834.87170224625	2820.364555378656	2820.364555378656	14.51461468893024	13.9724018597045
607	21	15407	29018.858673073351	805597.3170250766	-00.98731091394572	-00.6972459	45320.8436967458	4237836.86572026	2947.48301835177	2832.75634174538	2817.1622832840703	2817.358913006718	16.96558906463267	15.520942874268439
608	21	15408	29678.858673073351	805597.3170250766	-00.98730944389004	-00.6949125	45340.982802351	4237832.70714155	2946.102544776928	2831.618348414038	2814.59714371423	2814.59714371423	17.01900436841738	17.01900436841738
609	21	15409	30338.858673073351	805597.3170250766	-00.987307969307378	-00.6925972	45360.93215567996	4237828.73857352	2945.19627124083	2829.95366565383	2811.1262934158667	2811.62690159678	18.33269394941564	18.33269394941564
610	21	15410	30998.858673073351	805597.3170250766	-00.987306417467185	-00.6902728	45381.96187452	4237824.76198485	2944.33559764863	2829.29548257493	2808.58936834571	2808.941607126427	19.7035864387823	19.35126465106662
611	21	15411	31658.858673073351	805597.3170250766	-00.98730486367096	-00.6879844	45401.2986655705	4237820.168688475	2936.41359678837	2826.621558453267	2806.1626301246906	2806.74653771046	20.45828078635	20.14690484818968
612	21	15412	32318.858673073351	805597.3170250766	-00.987303051031756	-00.685624	454214.0370249497	4237816.812	2932.980243816015	2824.94888	2803.87167581606	2803.87167581606	21.077220698817	20.8407102194272
613	21	15413	32978.858673073351	805597.3170250766	-00.9873012892848054	-00.683296	454415.0719710705	4237812.83816608	2931.54914896254	2823.279303	2801.63330310005	2801.63330310005	21.645220724892	21.58293513394513
614	21	15414	33638.858673073351	805597.3170250766	-00.98729962339482	-00.6809752	454616.113251481	4237808.86152907	2926.1180541164936	2821.617638517074	2798.0052979702271	2798.14464020589	22.5371579436267	22.47304371118365
615	21	15415	34298.858673073351	805597.3170250766	-00.98729796115585	-00.6787466	45481.76155105864	4237804.932313148	2925.14661471128	2819.845183454094	2796.294183454094	2796.294183454094	23.042884192163394	23.042884192163394
616	21	15416	34958.858673073351	805597.3170250766	-00.987296135743469	-00.676525	45501.18893514046	4237800.91622295	2918.89041069316	2818.34156235018	2793.292318024295	2793.27769440259	22.520182921233	22.0587670425443
617	21	15417	35618.858673073351	805597.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BSElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
69	21	15499	89738.85867307335	805597.3170250766	-03.08689339354475	-100.4834036	73703.85248029185	4327471.678900175	2793.496171165102	2710.5630048017064	2656.9091721489417	2656.688454885219	63.5382366176468	53.8745499258473
700	21	15500	90388.85867307335	805597.3170250766	-03.08683212772978	-100.4810792	71904.8973055603	4327467.710740375	2791.003885142112	2709.3024937354247	2654.1766915190054	2653.863834368144	56.1272824548882	55.449109135026266
701	21	15501	91038.85867307335	805597.3170250766	-03.08689794110638	-100.4787549	72105.80564590654	4327463.757	2788.51158696831203	2708.0407581443733	2651.1724584594864	2650.8370681324	56.31621249842892	56.733867176230456
702	21	15502	91718.85867307335	805597.3170250766	-03.0869202454504	-100.4764035	72306.9320506103	4327459.797937181	2786.01931396129	2706.7626340024	2650.167901763525	2649.6419507907685	56.60835327611625	57.14330922475734
703	21	15503	92378.85867307335	805597.3170250766	-03.08691456388925	-100.4741062	72507.9583330149	4327455.8386157	2783.6606428409895	2705.5092483017693	2650.2640107071425	2649.8414136019396	55.24433759462681	55.66738469826065
704	21	15504	93038.85867307335	805597.3170250766	-03.08690826573807	-100.4717818	72708.9484888757	4327451.87458729	2781.273132280016	2704.2346625510764	2650.932259992338	2650.4817054584482	56.2002629653115	57.35807397136168
705	21	15505	93688.85867307335	805597.3170250766	-03.08689190549249	-100.4694574	72910.01052103593	4327447.92046688	2778.830480289137	2702.96664583637	2651.626530904061	2651.1471902852817	55.410467596738	55.81845298151316
706	21	15506	94338.85867307335	805597.3170250766	-03.08685959352148	-100.4671331	73101.036430842	4327443.461363845	2779.025802582525	2701.6904873036615	2652.1908902245254	2652.340287265505	49.4990719713604	50.35024857117096
707	21	15507	95018.85867307335	805597.3170250766	-03.08686968317177	-100.4648691	73312.0622174358	4327440.002976681	2776.131027288757	2700.041666966085	2651.874811843159	2651.202222942365	48.3586781762658	49.3863743744012
708	21	15508	95678.85867307335	805597.3170250766	-03.0868528328446	-100.4624484	73513.0678820326	4327436.004447757	2774.5173612557075	2699.12853	2650.921638533789	2649.813548492401	48.3052147502145	49.312048349581
709	21	15509	96338.85867307335	805597.3170250766	-03.08687605156305	-100.46016	73714.113426348	4327432.086114116	2773.838893256577	2697.838893028165	2648.812283362169	2647.66749376943	46.9074283819758	50.171943212224
710	21	15510	96988.85867307335	805597.3170250766	-03.086869475843955	-100.4578357	73915.138452397	4327428.129795081	2774.2918893196083	2695.548227833983	2646.208067906563	2644.42491579282313	51.6304435103751	51.6304435103751
711	21	15511	97658.85867307335	805597.3170250766	-03.0868825523023	-100.4558113	74116.161442657	4327424.16970898	2772.6776914742673	2693.2471360628745	2643.4383700080507	2642.957350634363	53.82361722414453	53.82361722414453
712	21	15512	98318.85867307335	805597.3170250766	-03.0868618972183	-100.453187	74317.18932175497	4327420.21130879	2771.032359756693	2692.43682820415	2640.5256089502177	2638.377064239014	55.5675430400064	55.5675430400064
713	21	15513	98978.85867307335	805597.3170250766	-03.08684947931883	-100.450826	74518.21473779649	4327416.25455674	2770.397309399993	2692.63570943015	2637.6721610579084	2635.45620024824	54.963458851067	57.18050811819126
714	21	15514	99638.85867307335	805597.3170250766	-03.086842724021174	-100.4485382	74719.2393	4327412.297	2770.761684215055	2691.32161238975	2634.89494051005	2632.7126389192817	56.4201183370004	56.60897346047331
715	21	15515	100298.85867307335	805597.3170250766	-03.08683592382806	-100.4462138	74920.26412723645	4327408.33969007	2769.0429251745004	2690.00482795755	2632.4362053971263	2630.47556497004	57.56842339862851	59.83202729857091
716	21	15516	100938.85867307335	805597.3170250766	-03.08682907873864	-100.4438959	75121.288920919	4327404.38241559	2768.24074580083	2688.64792026803	2630.019689119059	2628.23127616435	58.679429074386	60.45357395056731
717	21	15517	101618.85867307335	805597.3170250766	-03.0868218875718	-100.4415652	75322.3134940284	4327400.452398642	2767.38586420513	2687.3620723850413	2627.896130724865	2626.127179646423	59.4659416601762	61.2348273861066
718	21	15518	102378.85867307335	805597.3170250766	-03.0868152388114	-100.4392048	75523.3376406057	4327396.48482454	2760.633634452486	2686.036188887704	2626.2912141407156	2624.601348319665	59.74530484175466	61.430717906803695
719	21	15519	102938.85867307335	805597.3170250766	-03.0868017411056	-100.4369169	75752.3622797306	4327392.511858449	2760.04919128387	2684.70825812427	2625.00564073331	2623.495345715703	59.6576146209163	61.212913
720	21	15520	103538.85867307335	805597.3170250766	-03.08680124945415	-100.4345921	75924.3649276014	4327387.355351354	2761.6769902327	2683.774904846267	2624.25530276487	2624.004688327515	59.1274871780468	60.57342211551222
721	21	15521	104138.85867307335	805597.3170250766	-03.08680121867574	-100.432274	76129.3526446934	4327383.4278233	2764.231458969681	2682.35152478458	2623.84177128804	2623.84177128804	58.9811284572525	60.342156434775
722	21	15522	104718.85867307335	805597.3170250766	-03.08678705451317	-100.429934	76327.4345592644	4327380.64782126	2764.93258600004	2680.7073762306	2624.091762009134	2622.902566560503	58.616211753796505	57.80051715642766
723	21	15523	105578.85867307335	805597.3170250766	-03.08677906068286	-100.4276191	76528.4581457753	4327376.85762573	2767.1323142240796	2679.369378	2624.689731116703	2623.561952767135	58.5619245810878463	58.5619245810878463
724	21	15524	106238.85867307335	805597.3170250766	-03.0867721038685	-100.4252947	76729.4821019726	4327372.730887119	2769.90366519053	2678.02710399063	2625.6822583408616	2624.635905292147	58.234645205820474	57.34780537647525
725	21	15525	106888.85867307335	805597.3170250766	-03.08676545270198	-100.4229704	76930.5057669892	4327367.75186246	2767.6756206171	2676.688351082531	2626.7596225782287	2625.86132537297	58.0262057352153	58.0262057352153
726	21	15526	107588.85867307335	805597.3170250766	-03.08675815686966	-100.420646	77131.52926519683	4327364.819650057	2775.4472747155796	2674.341056171888	2624.041056171888	2624.041056171888	57.42696603794702	58.400430913294745
727	21	15527	108288.85867307335	805597.3170250766	-03.08675081974327	-100.4183271	77332.5264464934	4327362.4278233	2776.39191819183	2673.8664212219175	2623.8664212219175	2623.8664212219175	57.42696603794702	58.400430913294745
728	21	15528	108988.85867307335	805597.3170250766	-03.086743942225	-100.4159727	77536.5790643846	4327356.09370621	2775.78062329	2672.93134485922	2623.03134485922	2623.03134485922	57.42696603794702	58.400430913294745
729	21	15529	109538.85867307335	805597.3170250766	-03.0867360720881	-100.413673	77734.5990495991	4327352.954	2775.38188559103	2672.247198153845	2621.59972746425	2621.59972746425	57.42696603794702	58.400430913294745
730	21	15530	110188.85867307335	805597.3170250766	-03.0867285339693	-100.4113487	77935.602756728	4327348.999149487	2777.606023263936	2669.863427482893	2623.1503213901526	2623.1503213901526	57.42696603794702	58.400430913294745
731	21	15531	110858.85867307335	805597.3170250766	-03.0867211509268	-100.4090243	78136.644883791	4327345.004	2777.24670406038	2668.0474588703	2623.2447688152	2623.2447688152	57.42696603794702	58.400430913294745
732	21	15532	111518.85867307335	805597.3170250766	-03.086713451694045	-100.4067	78337.6677749613	4327341.08988537	2776.30997840298	2667.07026319468	2622.329493577693	2622.329493577693	57.42696603794702	58.400430913294745
733	21	15533	112178.85867307335	805597.3170250766	-03.08670584034105	-100.4043756	78538.6904848145	4327337.135006337	2775.7237578198	2665.655898594583	2621.545309420688	2621.545309420688	57.42696603794702	58.400430913294745
734	21	15534	112838.85867307335	805597.3170250766	-03.08669819213674	-100.402074	78739.7130454237	4327333.197844	2774.943468969681	2664.23152478458	2620.35152478458	2620.35152478458	57.42696603794702	58.400430913294745
735	21	15535	113498.85867307335	805597.3170250766	-03.08669284419197	-100.3997269	78940.7354	4327327.2223447	2774.217411707723	2662.798505210057	2620.79852834958	2620.79852834958	57.42696603794702	58.400430913294745
736	21	15536	114158.85867307335	805597.3170250766	-03.08668274915595	-100.3974026	79141.75774442	4327325.27363304	2772.306472469617	2661.351612069163	2620.3106910148485	2620.3106910148485	57.42696603794702	58.400430913294745
737	21	15537	114818.85867307335	805597.3170250766	-03.086674861285624	-100.3950782	79342.779742428	4327321.319306306	2772.00203691845	2659.892474368816	2620.1977880781525	2620.1977880781525	57.42696603794702	58.400430913294745
738	21	15538	115478.85867307335	805597.3170250766	-03.08666712852098	-100.3927539	79543.820644336	4327317.36604542	2770.09393512524	2658.421214818869	2620.157594810363	2620.157594810363	57.42696603794702	58.400430913294745
739	21	15539	116138.85867307335	805597.3170250766	-03.08665950862056	-100.3904296	79744.820394747	4327313.41621638	2768.69931328259	2656.9383993132	2621.672385173163	2621.672385173163	57.42696603794702	58.400430913294745
740	21	15540	116798.85867307335	805597.3170250766	-03.08665152683087	-100.3881052	79945.849863485	4327309.4940708	2767.014295896952	2656.027850939372	2620.7850339071816	2620.7850339071816	57.42696603794702	58.400430913294745
1	22	15541	117498.85867307335	805597.3170250766	-03.086643942225	-100.3857856	80149.849863485	4327305.5790643846	2766.39191819183	2655.041056171888	2620.35152478458	2620.35152478458	57.42696603794702	58.400430913294745
2	22	15542	118208.85867307335	805597.3170										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SurfThkBoth.	
85	22	15625	-315501.1413	806257.3170250766	39.08403739990994	-101.9105508	248246.2279351134	43301.35.692444557	381.8590950810316	3757.1529119605898	3705.4351565599313	3705.8629772571467	51.7177545096442	51.28993036874908
86	22	15626	-314841.1413	806257.3170250766	39.08405679799529	-101.9082627	248447.41401205596	43301.31.629530533	380.87019893071	3754.869633338368	3696.8215815309633	3696.269637453088	58.0805180772246	58.61795884572875
87	22	15627	-314181.1413	806257.3170250766	39.08409831	-101.9058169	248646.5548013693	43301.27.567136223	380.637265702429	3752.508917	3694.335850217303	3694.010688417303	58.26850217303	58.19685011781915
88	22	15628	-313521.1413	806257.3170250766	39.0840153950458	-101.9035785	248648.6953416407	43301.23.504736624	380.59689132777	3750.3507	3700.98327866969	3700.93606927998	49.31784232303776	49.54271150000022
89	22	15629	-312861.1413	806257.3170250766	39.08412284202847	-101.9012543	249050.8366327362	43301.19.42506728	380.42834152744362	3747.985175579371	3709.235411190449	3709.6703734835477	38.74976439	38.30613809931441
90	22	15630	-312201.1413	806257.3170250766	39.0841440146512	-101.8989302	24925.1976753261	43301.16.30446526	380.4482441416096	3747.6407095817504	3717.6401748933085	3718.73260675076	26.9240875142273	26.9240875142273
91	22	15631	-311541.1413	806257.3170250766	39.0841632	-101.8966061	249453.1154694802	43301.11.25683185	380.245291039957	3743.291477313859	3725.620383346238	3727.153465644713	17.61709318503119	16.13830656887664
92	22	15632	-310881.1413	806257.3170250766	39.08418648376536	-101.894282	249654.2550152878	43301.07.25683182	380.0328161191357	3740.917758356507	3729.60044623814	3727.13777400681167	11.32711321	9.56110253903938
93	22	15633	-310221.1413	806257.3170250766	39.08407670775125	-101.8918198	249856.5548013693	43301.03.195249248	379.612657702429	3738.1682120119837	3726.7351484181922	3735.18514329078	11.794514141152345	11.794514141152345
94	22	15634	-309561.1413	806257.3170250766	39.0842269673859	-101.8896337	250056.5336297048	43300.91.133902545	378.7514289235414	3736.125166691039	3717.811455362964	3719.13389590471	18.3371128478726	16.9912707568629
95	22	15635	-308901.1413	806257.3170250766	39.0842720838464	-101.8873096	250257.6716522284	43300.86.02790271	3793.171177462915	3735.00693242601	3712.14519662554485	3712.14519662554485	18.3371128478726	16.9912707568629
96	22	15636	-308241.1413	806257.3170250766	39.0842701005807	-101.8849854	250458.8107200279	43300.81.01648525	379.514669375086	3731.271660103986	3703.428446	3705.13550599114	27.84231295	26.136109584197
97	22	15637	-307581.1413	806257.3170250766	39.08429165437579	-101.882613	250659.949027583	43300.86.950776032	3789.925210732546	3728.83262004181	3697.131866881128	3698.023654991367	31.69493336305307	30.7999605381405
98	22	15638	-306921.1413	806257.3170250766	39.08431255381315	-101.8803372	250861.07080905	43300.82.890071356	3788.303726994704	3726.3651474594576	3690.962925	3691.895054056173	35.4022268307606	34.72034302438441
99	22	15639	-306261.1413	806257.3170250766	39.08433340836292	-101.8787013	251062.22490176852	43300.78.82593914	3787.3297142131966	3723.879781168807	3685.142611566874	3686.171642472024	38.7553999993269	37.7793191966449
100	22	15640	-305601.1413	806257.3170250766	39.0843542192506	-101.876489	251263.36246889073	43300.74.769176299	3782.976893630205	3721.422313790565	3679.373023	3680.503518144216	42.0495084989498	40.91901364534096
101	22	15641	-304941.1413	806257.3170250766	39.084374862799545	-101.8733648	251464.4997842276	43300.70.70882306	3778.96169531038	3718.9390515822225	3674.1250338130944	3675.284749904203	44.8140172	43.65160162401935
102	22	15642	-304281.1413	806257.3170250766	39.0843952068632	-101.8710046	251665.636638103	43300.66.49867929	3776.955462325732	3716.447815478931	3668.720953409107	3670.92162496958	45.52618701	44.52618701
103	22	15643	-303621.1413	806257.3170250766	39.0844137776534	-101.8687165	251866.736921804	43300.62.5891037	3773.9515713678265	3663.826089802542	3666.082466890432	3665.058903875232	47.86910447739183	47.86910447739183
104	22	15644	-302961.1413	806257.3170250766	39.08443700778656	-101.8663293	252067.9102747336	43300.58.94217085	3774.633462029239	3711.45313510308	3659.251062605203	3661.059264903311	52.19952849783855	50.9505062277811
105	22	15645	-302301.1413	806257.3170250766	39.0844579302001	-101.8640682	252249.4861168205	43300.54.49902413	3774.0939	3708.4592985893036	3654.830524097627	3656.9432092187635	54.1223857876765	52.0097066654040
106	22	15646	-301641.1413	806257.3170250766	39.08447813335555	-101.8617441	252490.1870322544	43300.50.10546222	3773.5513079705015	3706.451296284536	3650.698801854573	3652.75312814935	54.764160997578	53.6981770177756
107	22	15647	-300981.1413	806257.3170250766	39.0844987	-101.859439	252678.1268498415	43300.45.3988982375	3773.13179132645	3688.66728436913	3648.61306776954	3649.852197474347	50.283727805504	50.283727805504
108	22	15648	-300321.1413	806257.3170250766	39.0845197036292	-101.8570598	252872.541509126	43300.42.3902	3769.720014036922	3747.407985719795	3643.017323505622	3644.033862312533	54.0150565302726	53.69820234702646
109	22	15649	-299661.1413	806257.3170250766	39.0845394503468	-101.8547716	253073.5895074705	43300.38.23359315	3767.1920014436214	3688.889146380913	3639.531844626751	3641.0313027156212	57.86711252	57.86711252
110	22	15650	-299001.1413	806257.3170250766	39.08455984581841	-101.8524475	253274.7261944245	43300.34.17468207	3764.756197818243	3696.35672595616	3636.3436851974	3637.58726593294	60.0130864398203	58.76950702632255
111	22	15651	-298341.1413	806257.3170250766	39.08458087114065	-101.8501233	253475.8594873027	43300.31.16370051	3761.85731884846	3693.804246054676	3633.381362680244	3634.510972936623	62.0306138173699	59.293511287946
112	22	15652	-297681.1413	806257.3170250766	39.08460042372166	-101.8477992	253676.9941044893	43300.26.08041445	3758.494550588806	3691.241268	3630.8519641235507	3631.7932792807414	60.389303942169136	59.447788094878406
113	22	15653	-297021.1413	806257.3170250766	39.0846206	-101.845475	253878.1268498415	43300.21.3988982375	3758.13179132645	3688.66728436913	3628.61306776954	3629.852197474347	50.283727805504	50.283727805504
114	22	15654	-296361.1413	806257.3170250766	39.08464087	-101.8431709	254079.26255729	43300.17.18403241	3757.029055420705	3686.025550420705	3626.9584253657	3628.9584253657	50.283727805504	50.283727805504
115	22	15655	-295701.1413	806257.3170250766	39.0846616415485	-101.8408267	254280.3961768963	43300.13.84072383	3749.051522307027	3683.487156358904	3624.6139729800343	3626.018699752049	57.83731376856105	57.4684860439946
116	22	15656	-295041.1413	806257.3170250766	39.08468106787033	-101.8385025	254481.5301664508	43300.09.82422343	3746.051977176257	3680.81428572049	3623.578111011075	3624.62733572599	57.83731376856105	57.4684860439946
117	22	15657	-294381.1413	806257.3170250766	39.08470111444683	-101.8361784	254682.66367204374	43300.05.76893346	3744.9792189146483	3678.2659651870465	3622.536773	3623.565048178793	55.72919178365464	54.70091100827152
118	22	15658	-293721.1413	806257.3170250766	39.08472111612507	-101.8338542	254883.79683470592	43300.01.76126776	3742.936265117373	3675.641211708662	3621.665027644778	3622.4513001597095	54.70091100827152	54.70091100827152
119	22	15659	-293061.1413	806257.3170250766	39.08474012951483	-101.8315301	255084.9259456262	43300.05.45485903	3740.049731915813	3673.707464633278	3621.10817497536	3621.261375725643	51.8929523574517	51.7408809876346
120	22	15660	-292401.1413	806257.3170250766	39.0847608	-101.8292058	255296.0642320938	43300.02.9929	3738.316693745738	3670.92309520678	3619.45036502798	3620.92309520678	50.283727805504	50.283727805504
121	22	15661	-291741.1413	806257.3170250766	39.08478188162943	-101.8268817	255487.1948670591	43300.01.704021	3737.548625423684	3668.458385961683	3617.32021974871	3617.32021974871	49.3617574697574	49.3617574697574
122	22	15662	-291081.1413	806257.3170250766	39.08480073954041	-101.8245576	255688.3270599022	43300.05.40982260	3728.852587821495	3665.0549675107465	3616.725487635439	3616.4235684243195	48.32947967532543	48.32947967532543
123	22	15663	-290421.1413	806257.3170250766	39.0848205119008	-101.8222334	255889.459010815	43300.01.47612654	3727.514188862333	3662.387366020266	3615.127344803787	3614.690132992134	47.69773067892756	47.69773067892756
124	22	15664	-289761.1413	806257.3170250766	39.08484018333759	-101.8199092	256090.5902026337	43300.07.3138268	3713.650542536947	3659.712884	3613.871213	3613.3090328703356	45.81467074557904	46.40385117315418
125	22	15665	-289101.1413	806257.3170250766	39.0848597996546	-101.8178951	256291.7221880306	43300.03.3193142	3710.749727611391	3657.02813238659	3613.11466634879	3612.443118945809	44.68659447807616	44.68659447807616
126	22	15666	-288441.1413	806257.3170250766	39.08487953566584	-101.8152609	256492.8341449896	43300.01.29374464	3708.698979851763	3654.350959878238	3612.363095020044	3611.723518174823	41.9657532533404	42.61180680015175
127	22	15667	-287781.1413	806257.3170250766	39.08489911344863	-101.8129812	256700.263626274	43300.05.40982260	3707.45403814154	3653.054119310637	3610.45343483524	3610.45343483524	40.91901364534096	40.91901364534096
128	22	15668	-287121.1413	806257.3170250766	39.084918660441154	-101.8106126	256895.1154430025	43300.01.7433434	3698.246975937146	3648.922216	3605.90359711346	3605.90359711346	39.55295356833	39.55295356833
129	22	15669	-286461.1413	806257.3170250766	39.08493871915457	-101.8082884	257096.245680465	43300.05.092387067	36					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevElev.f	SatThLogs.f	SatThBoth.f
211	22	15751	-223241.1413	806257.3170250766	39.086385060444435	-10.61177022	273588.1474	4329625.121604267	3476.2146722878606	3395.830274226296	3395.820730634154	3395.7360610185124	0.009543592	0.094213208
212	22	15752	-223161.1413	806257.3170250766	39.08640084	-10.61537797	273789.2588273977	4329621.080195181	3460.058411	3392.541867392437	3393.5238177968117	3393.2326130124416	0	0
213	22	15753	-223121.1413	806257.3170250766	39.08641657933005	-10.6193636	273890.369401935	4329617.038954841	3443.902140971694	3390.251097165894	3390.512825289917	3390.73897132311	0	0
214	22	15754	-223061.1413	806257.3170250766	39.08643271830425	-10.61707294	274191.48083329665	4329612.907883525	3427.7458877664994	3392.56799232434	3387.3904373306364	3387.913290127636	0	0
215	22	15755	-222970.1413	806257.3170250766	39.08644791917602	-10.6084051	274392.59120331216	4329608.956898037	3425.105872219821	3382.6628874011116	3384.32327293617303	3385.012225463417	0	0
216	22	15756	-222901.1413	806257.3170250766	39.08646352162996	-10.6060808	274593.7015504457	4329614.916247159	3435.982102633586	3379.365205292122	3381.0610566484193	3381.70119251313	0	0
217	22	15757	-222831.1413	806257.3170250766	39.08647586	-10.6037655	274794.8116749006	4329600.67582196	3446.8583304735002	3376.069134264304	3378.0187771749306	3379.025826157919	0	0
218	22	15758	-222721.1413	806257.3170250766	39.08649459	-10.6014323	274995.92157868225	4329596.83286034	3457.7345634411152	3372.77266699978182	3374.7962156831104	3377.180936343195	0	0
219	22	15759	-222601.1413	806257.3170250766	39.08651069549189	-10.599108	275197.031255696	4329592.765958948	3461.4443166018364	3369.4762057842066	3371.9599421249852	3374.8678639401523	0	0
220	22	15760	-222401.1413	806257.3170250766	39.086525462529275	-10.5967387	275398.1407142442	4329588.755000098	3457.9875024695148	3368.1260965776	3369.40597971613208	3370.73513977071	0	0
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222	22	15762	-222081.1413	806257.3170250766	39.08655619362856	-10.5921352	275800.35896417213	4329580.765389256	3451.074144204871	3359.611722904897	3364.9275364728237	3368.921907275963	0	0
223	22	15763	-222421.1413	806257.3170250766	39.08657148184053	-10.5898109	276001.4677568578	4329576.635838995	3447.7618775710453	3356.3299047045966	3362.487841888207	3367.504873522347	0	0
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226	22	15766	-222241.1413	806257.3170250766	39.086617077125304	-10.582838	276604.7920802645	4329564.518192713	3438.258450165054	3346.514269728441	3358.211312507347	3364.745872405137	0	0
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229	22	15769	-222041.1413	806257.3170250766	39.08666226838281	-10.5758852	277208.1158738985	4329562.402	3468.3528327258964	3336.762727236145	3356.655505379864	3364.798831391877	0	0
230	22	15770	-219801.1413	806257.3170250766	39.08667724235135	-10.5735409	277409.2231	4329548.363695994	3481.02414715772996	3333.5400560554832	3356.6290566833695	3364.888589911584	0	0
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234	22	15774	-217161.1413	806257.3170250766	39.0867366930404	-10.5642438	278213.64991525494	4329532.211988585	3502.738218517803	3320.763335186116	3354.189600206542	3365.95539550041	0	0
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243	22	15783	-211221.1413	806257.3170250766	39.08686781875755	-10.5433251	280023.59742131596	4329495.880221407	3483.427438296449	3293.19598881121	3377.3599255746267	3378.8759208477716	0	0
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247	22	15787	-208581.1413	806257.3170250766	39.08692493432041	-10.5340275	280828.0127948556	4329478.737191578	3464.942424464665	3283.572167623296	3377.554397476161	3382.061898198213	0	0
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249	22	15789	-207261.1413	806257.3170250766	39.08695321824342	-10.5293793	281230.219408284	4329471.666689202	3459.5505172040703	3276.28063793731	3362.1410522380465	3362.924115431773	0	0
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255	22	15795	-203301.1413	806257.3170250766	39.08703700159039	-10.5154335	282436.8335220445	4329447.459227491	3435.299138614922	3261.154471811108	3330.434323923455	3329.7352828332	0	0
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258	22	15798	-201321.1413	806257.3170250766	39.08707828721273	-10.5084066	283039.367777374	4329435.357177828	3423.3058710373884	3254.415088587137	3290.087821814443	3290.710074652287	0	0
259	22	15799	-200661.1413	806257.3170250766	39.08709196	-10.506185	283241.238635378	4329431.324269907	3418.72215956451627	3252.2498502001088	3288.66564891572	3286.875600762205	0	0
260	22	15800	-200001.1413	806257.3170250766	39.0871055967906	-10.5038113	283442.339774605	4329427.						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatThLog.s	SatThBoth.ft
327	15877	-149181.1413	806257.3170250766	39.088020065578355	-101.3248375	298926.4706898486	423917.1231273698	3365.4176194980128	3180.4347175865287	3197.6033090527275	323.2878543059646	0	0
338	15878	-148521.1413	806257.3170250766	39.088030191062785	-101.3225132	299127.5553807103	4131.2311108041	3366.3236008475336	3179.9717484	3197.321853024832	323.10668263463	0	0
339	15879	-147661.1413	806257.3170250766	39.08804991260471	-101.3016482	299328.5387239405	4190.191054889	3368.112586281035	3179.385391643859	3197.683189976058	323.3243302505485	0	0
340	15880	-147201.1413	806257.3170250766	39.08805030747906	-101.3176841	299527.741696194	4391.01517197315	3364.7935752000847	3178.96691756525	3197.8804107107557	323.718100981363	0	0
341	15881	-146641.1413	806257.3170250766	39.08806029814855	-101.3155401	299730.8082679946	4591.0151507659	3363.474562311995	3178.338047443462	3196.6344938384646	323.376833923067	0	0
342	15882	-145881.1413	806257.3170250766	39.08807024005458	-101.3132157	299931.8921682687	4790.097132	3362.155485598334	3177.803013078526	3196.461128364216	323.4705297211267	0	0
343	15883	-145221.1413	806257.3170250766	39.088080145056945	-101.3108913	300132.9783736474	4990.093112631905	3360.008006099239	3177.26749740575	3196.3298103881575	323.4214335508878	0	0
344	15884	-144561.1413	806257.3170250766	39.088090001116266	-101.308569	300334.0599813356	5190.0934945896	3357.6253175929323	3176.7221164295875	3196.241749961737	322.841396480132	0	0
345	15885	-143901.1413	806257.3170250766	39.08809991260471	-101.3064246	300535.1426623358	5390.0934945896	3355.044545776235	3176.177834747859	3196.15876127443275	322.8033439544994	0	0
346	15886	-143241.1413	806257.3170250766	39.0881057673203	-101.3039182	300726.2258074567	5590.0910557754	3352.452431555638	3175.63093303625	3196.204962184701	322.743498109555	0	0
347	15887	-142581.1413	806257.3170250766	39.08811930016466	-101.3015938	300937.3807292717	5790.07703684849	3349.810719786537	3175.08306669339	3196.2631828483127	322.677804588025	0	0
348	15888	-141921.1413	806257.3170250766	39.08812897670252	-101.2992694	301138.3914426568	5990.0710380176	3347.083939258192	3174.5262306183035	3196.378370178169	322.4663648413863	0	0
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350	15890	-140601.1413	806257.3170250766	39.08814819509394	-101.2946207	301540.5563504041	6390.0641854298	3341.630782008617	3173.403895817335	3196.8005081750715	322.173764252318	0	0
351	15891	-139941.1413	806257.3170250766	39.08815776947515	-101.2922963	301741.6384449813	6590.0639834094	3338.42657927186	3172.8340227796344	3197.116260689715	322.027577	0	0
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353	15893	-138621.1413	806257.3170250766	39.0881766890317	-101.2874765	302143.8021331772	6990.062928340475	3331.074837889726	3171.6793868848	3197.9900567575934	322.0216114511145	0	0
354	15894	-137961.1413	806257.3170250766	39.088176689031919	-101.2853232	302344.8836505204	7190.04981018217	3327.3961178710046	3171.053038282274	3198.5037012733005	322.0154252866	0	0
355	15895	-137301.1413	806257.3170250766	39.08819546	-101.2828988	302545.965024795	7390.04489347617	3324.46624172552	3170.4995421062777	3199.137338896942	322.02742841069493	0	0
356	15896	-136641.1413	806257.3170250766	39.08820747	-101.2806744	302747.04620614037	7590.04876303886	3322.2716027276373	3169.8981054638443	3199.84026	322.0204772913316	0	0
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358	15898	-135321.1413	806257.3170250766	39.0882232786662	-101.2760256	303149.2075949581	7990.0426462014	3317.8874625559684	3168.6107173036058	3198.8152151652607	322.0352989735555	0	0
359	15899	-134661.1413	806257.3170250766	39.0882326586119	-101.2737404	303350.3987968565	8190.0430207288572	3315.8645207828572	3168.4530739280213	3198.9430739280213	322.0352989735555	0	0
360	15900	-134001.1413	806257.3170250766	39.088241593360785	-101.2713769	303551.3688212469	8390.02480932337	3313.23044009337196	3167.4055003337196	3201.02417704092	322.0351891	0	0
361	15901	-133341.1413	806257.3170250766	39.08825066625541	-101.2690525	303752.4941165008	8590.0292568801	3310.856453475718	3166.758201299627	3201.3577064560272	321.913768475647	0	0
362	15902	-132681.1413	806257.3170250766	39.08825973427506	-101.2667281	303953.5291872754	8790.0216779292	3308.482463864963	3166.096426782999	3201.422693157939	321.86971816959798	0	0
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364	15904	-131361.1413	806257.3170250766	39.0882778950369	-101.2620793	304355.68854407035	9190.00874496453	3303.924607	3164.728327469479	3201.4189052600022	321.9350604931967	0	0
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368	15908	-128721.1413	806257.3170250766	39.088313079537365	-101.2527818	305160.0059045086	9990.06823139954	3292.9743210778804	3161.813965112612	3193.5781916828427	320.854946326156	0	0
369	15909	-128061.1413	806257.3170250766	39.08832813281645	-101.2504574	305361.083742339	10190.0888668	3289.4195320280905	3161.048299725883	3191.107119657698	320.858544167964	0	0
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371	15911	-126741.1413	806257.3170250766	39.08833991460485	-101.2458908	305763.2405	10590.068847106	3281.73860726899	3159.473032316728	3186.1790728005143	319.9539149009476	0	0
372	15912	-126081.1413	806257.3170250766	39.0883474151437	-101.2434642	305964.3197408126	10790.063821584	3277.03879681503	3158.6452081564587	3184.0276276700797	319.9539149009476	0	0
373	15913	-125421.1413	806257.3170250766	39.0883562993047	-101.2411598	306156.365783410604	10990.07610306795	3272.341409	3157.842926902642	3180.239748002694	319.9539149009476	0	0
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376	15916	-123441.1413	806257.3170250766	39.08838168243156	-101.2341866	306768.6209842294	11590.068658	3263.90647417348	3155.30349231592	3170.965901117007	318.195930837489	0	0
377	15917	-122781.1413	806257.3170250766	39.08839006701442	-101.2318622	306969.760300551	11790.0695654	3262.98200557138	3154.4369203703195	3167.86821125283	317.6850281585203	0	0
378	15918	-122121.1413	806257.3170250766	39.08839836702026	-101.2295379	307170.7832	11990.06295241	3262.057263953472	3153.554940210584	3164.771825801504	317.6850281585203	0	0
379	15919	-121461.1413	806257.3170250766	39.08840547474077	-101.2272817	307373.859421644	12190.0647326807	3261.6874981681	3152.7091184631681	3162.7091184631681	317.6850281585203	0	0
380	15920	-120801.1413	806257.3170250766	39.08841402139144	-101.2248891	307572.93648735015	12390.06541478739	3261.6874981681	3151.770636203251	3151.770636203251	317.6850281585203	0	0
381	15921	-120141.1413	806257.3170250766	39.0884231693322	-101.2225647	307774.0126126256	12590.06295241	3261.6874981681	3150.866548831782	3155.3305269773355	3163.6880177024367	0	0
382	15922	-119481.1413	806257.3170250766	39.08843126499676	-101.220403	307975.080462566	12790.063848865329	3262.050846174558	3149.94886716488	3152.210374578864	3160.27839966522	0	0
383	15923	-118821.1413	806257.3170250766	39.0884379171083	-101.2179159	308176.165042538	12990.06295241	3261.604853743964	3149.021451751135	3149.0669492472828	315.628200303136	0	0
384	15924	-118161.1413	806257.3170250766	39.08844743202662	-101.2155915	308377.24085030594	13190.06295241	3261.581489056733	3148.083367899992	3153.3203811557337	319.80706037329583	0	0
385	15925	-117501.1413	806257.3170250766	39.08845547474077	-101.2132871	308578.3164897717	13390.06295241	3261.581489056733	3147.134332	3142.360472462258	314.82404076911334	0	0
386	15926	-116841.1413	806257.3170250766	39.0884643175214	-101.2109427	308779.391901327	13590.0643105202	3258.535495702217	3145.172599141167	3139.077515308797	315.965577779895	0	0
387	15927	-116181.1413	806257.3170250766	39.088471343601825	-101.2086183	308980.4671446056	13790.06295241	3258.535495702217	3144.265375827954	3136.8283162815	314.8283162815	0	0
388	15928	-115521.1413	806257.3170250766	39.0884792343611									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.	BRIElevBothKrg.	SatElevKrg.	SatBothKrg.
463	22	16003	-66021.14133	806257.3170250766	39.0889423555275	-101.0319627	324261.65162185894	3289218.2007	3152.826237300158	3242.25669	2978.321709291834	2976.821608060393	39.25961106158564	65.33508154738047
464	22	16004	-65361.14133	806257.3170250766	39.08894679519943	-101.0296383	324462.7130114269	3289608.007513938	3152.124024269603	3040.529612597359	2976.9647041755007	2975.3951342277905	65.3640842889899	65.1344763669602
465	22	16005	-64701.14133	806257.3170250766	39.08894559780389	-101.027319	324663.77429204817	3289604.008818123	3148.1821239697034	3029.1021467441797	2976.94083587519226	2973.6141818498933	65.31202311484352	65.13639408484271
466	22	16006	-64041.14133	806257.3170250766	39.08895559780389	-101.0296383	324663.77429204817	3289604.008818123	3150.7195820905408	3037.1627711124067	2973.639477685004	2971.8447016717905	65.3269355435565	65.31809914514194
467	22	16007	-63381.14133	806257.3170250766	39.088959913761664	-101.022665	325065.8961426983	3285896.011218297	3150.076136662422	3035.516919981839	2971.602705605993	2969.7883557502383	63.9191472425956	65.2756432145574
468	22	16008	-62721.14133	806257.3170250766	39.08894622082315	-101.0203406	325266.9565227826	3285914.017286866	3149.491567183007	3040.68047990451	2969.5287714646747	2967.6901428240704	63.64171653	66.19973176638084
469	22	16009	-62061.14133	806257.3170250766	39.0889684689822	-101.0180161	3256468.0173841575	3285880.014522312	3148.906515742294	3032.280902424258	2967.41386149341826	2965.301733382986	64.5277030427534	66.66776989
470	22	16010	-61401.14133	806257.3170250766	39.0889726425704	-101.0159617	325669.0774511346	3285771.06442634	3148.23235526648	3030.68585122029	2965.157818	2963.607189106252	65.627671695896	67.44783907
471	22	16011	-60741.14133	806257.3170250766	39.08897681925476	-101.0136379	325670.1735534584	3285804.008818123	3148.1821239697034	3029.1021467441797	2967.94083587519226	2973.6141818498933	65.31202311484352	65.13639408484271
472	22	16012	-60081.14133	806257.3170250766	39.08898028105595	-101.0110429	325671.1975050925	328576.020729845	3148.273395035927	3037.52959340441	2960.320495161954	2958.588431658235	67.1391731747719	68.9403177647175
473	22	16013	-59421.14133	806257.3170250766	39.08898496268533	-101.0087184	326272.2567804784	3285720.032137276	3148.752038273758	3025.963577221509	2957.793745784132	2955.691906857676	68.1693814373762	70.27167036382398
474	22	16014	-58761.14133	806257.3170250766	39.0889901236872	-101.006394	326473.3174837805	3285658.025702443	3149.096843	3024.054785175003	2955.269122685196	2949.8664212093548	69.1366624723143	70.91887306
475	22	16015	-58011.14133	806257.3170250766	39.08899298715573	-101.0040695	326674.3769381813	3285614.02438989	3149.768088514934	3022.854469842413	2952.9234291873945	2951.388406142964	69.930177966485	71.46604096994497
476	22	16016	-57441.14133	806257.3170250766	39.08899691704635	-101.0017451	326875.432328436	328560.0312432565	3150.085776072013	3021.308948866495	2950.508950799664	2950.508950799664	70.7999807	71.9196883262585
477	22	16017	-56781.14133	806257.3170250766	39.0890008204058	-100.9994207	327076.4955030916	328556.034412536	3151.843463622498	3019.76885363074	2948.52672484969	2947.6925908324619	71.24213051688525	72.0762645306267
478	22	16018	-56121.14133	806257.3170250766	39.08900464213842	-100.9970962	327277.5545040144	328552.037490522	3152.8811511867343	3018.233676399108	2946.859546773488	2946.15009640267	71.37402172175916	72.0827667584099
479	22	16019	-55461.14133	806257.3170250766	39.089008437339885	-100.9947178	327478.6133858076	328548.041053305	3152.812346550204	3016.7025893232894	2945.435929437195	2944.886105020907	71.2666967665994	71.8157782127976
480	22	16020	-54801.14133	806257.3170250766	39.08901219	-100.9924474	327679.6171988078	328542.034643374	3153.1763458499274	3015.763458499274	2944.285251355477	2943.74704499274	71.2069404895033	71.4242805
481	22	16021	-54141.14133	806257.3170250766	39.08901588035353	-100.9901229	327880.730493081	328540.048316227	3154.041842889991	3013.6560486997605	2942.961541842352	2942.961541842352	71.26698585740867	71.14478179858557
482	22	16022	-53481.14133	806257.3170250766	39.0890195356573	-100.9877985	328081.788188993	328536.025625352	3149.286526509404	3012.1438181	2941.880483	2941.880483	70.6290809	72.06233918
483	22	16023	-52821.14133	806257.3170250766	39.089023189181495	-100.9854471	328282.848764419	328532.05632396	3148.9304110824	3010.638265724044	2940.664325691413	2940.364325691413	69.9793037	70.27423217784983
484	22	16024	-52161.14133	806257.3170250766	39.08902673950011	-100.9831496	328483.904965527	328528.065073882	3147.171260429434	3009.1416617208	2939.589533281963	2938.10208807847	69.762997442955	70.0396373181806
485	22	16025	-51501.14133	806257.3170250766	39.0890302852286	-100.980876	328691.3060237214	328524.069395959	3148.91790633819	3007.866859753027	2938.888189868347	2937.802871781847	69.538695153495	70.4248116887589
486	22	16026	-50841.14133	806257.3170250766	39.08903374655013	-100.9785008	328866.0204415169	328520.069425408	3145.139697109179	3006.172500491979	2938.306982426903	2936.9194527119	69.685402920871	69.8905517707904
487	22	16027	-50181.14133	806257.3170250766	39.08903718268011	-100.9761793	329087.077928037	328516.037428768	3144.665366198785	3004.6991899404384	2934.4357642093187	2934.4357642093187	69.26342573	70.2446986805452
488	22	16028	-49521.14133	806257.3170250766	39.089040573813605	-100.9738519	329288.13524731476	328510.079191853	3141.740643113159	3003.232651659367	2932.6112976655313	2932.6112976655313	69.01967493936537	69.01671361261073
489	22	16029	-48861.14133	806257.3170250766	39.0890432005067	-100.9715275	329498.19239955104	328508.028423516	3138.91435	3001.772216111264	2930.513728230585	2930.41149045093	71.25884329	71.36079706457448
490	22	16030	-48201.14133	806257.3170250766	39.089047221391226	-100.969203	329690.243949521	328504.08901163	3137.889056099721	3000.317178999448	2927.9134423336416	2927.732783073892	68.733634550646	72.5843956
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492	22	16032	-46881.14133	806257.3170250766	39.0890539821739	-100.9645542	330092.3625567378	328496.100477788	3133.903925702918	3000.930573702918	2927.814535465217	2927.814535465217	68.2609132007392	70.2609132007392
493	22	16033	-46221.14133	806257.3170250766	39.08905685603401	-100.9622297	330293.4193241846	328492.106215346	3131.88990430647	2995.5778601983135	2917.3002244208797	2916.315760221582	67.8763757743376	70.6620951115522
494	22	16034	-45561.14133	806257.3170250766	39.08905997778862	-100.9599053	330484.475622786	328488.112102011	3129.875024909616	2993.381650537343	2915.373248450426	2914.63018527465	78.8005426	79.9081490716961
495	22	16035	-44901.14133	806257.3170250766	39.0890630546671	-100.9575809	330695.5318657614	328484.1818	3127.5183342944944	2993.10197064147	2912.9786465810786	2918.821492697151	73.8226231253607	74.27961701
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497	22	16037	-43581.14133	806257.3170250766	39.08906907367337	-100.952932	331097.6342629514	328476.130834242	3122.110663424468	2990.236783712644	2912.4242012790243	2912.4242012790243	69.609769936188	65.44488987
498	22	16038	-42921.14133	806257.3170250766	39.08907167844814	-100.950678	331298.6276629514	328472.137405697	3121.0452386997	2989.80035904091	2910.5354869714	2910.5354869714	73.153146315533	67.7240653503394
499	22	16039	-42261.14133	806257.3170250766	39.089074931313026	-100.9482831	331499.574784367	328468.14143963	3118.4703242488	2987.378579325697	2907.978088692678	2907.978088692678	63.400496929165	63.0767087
500	22	16040	-41601.14133	806257.3170250766	39.08907777	-100.9459587	331700.8101079721	328464.151048318	3113.093289492195	2985.547680747555	2923.3616981310324	2923.3616981310324	62.587869260372306	62.3687937855205
501	22	16041	-40941.14133	806257.3170250766	39.08908057296834	-100.9436342	331901.86527166946	328460.158119562	3110.7793296615505	2982.635898150261	2922.870381116368	2922.870381116368	61.6438652469484	61.3685928487494
502	22	16042	-40281.14133	806257.3170250766	39.08908335555104	-100.941308	332102.9203709316	328456.16535427	3106.4651355447	2981.0718260375184	2922.032819847876	2922.032819847876	61.2601037452181	61.044300609654
503	22	16043	-39621.14133	806257.3170250766	39.08908606323792	-100.9389854	332303.9752067014	328452.177989775	3104.359802788745	2981.636711039386	2920.993682330468	2920.993682330468	60.82047342184	60.5219940597921
504	22	16044	-38961.14133	806257.3170250766	39.08908872607272	-100.936609	332505.0296772384	328448.130530022	3100.522412735239	2980.192319	2920.040369	2920.040369	60.1795653093063	60.0175889
505	22	16045	-38301.14133	806257.3170250766	39.089091482067476	-100.934378	332706.084267476	328444.13924086	3098.44449354066	2978.54449354066	2919.08677340666	2919.08677340666	59.44493540666	59.190874304
506	22	16046	-37641.14133	806257.3170250766	39.089093398916065	-100.932012	332907.138728447	328440.195977251	3096.480076553474	2977.200489456603	2918.061975	2918.061975	58.722211309301	59.19290317349396
507	22	16047	-36981.14133	806257.3170250766	39.0890964750156	-100.9296876	333108.192908833	328436.204	3091.997227695093	2975.832405364563	2916.9670741589243			

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvLogKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft	
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590	22	16130	1778.8586730335	0062527.3170250766	00.98915062753639	-007.386759	349751.940	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
591	22	16131	1848.8586730335	0062527.3170250766	00.98914938415356	-007.384445	349896.8198824391	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
592	22	16132	1918.8586730335	0062527.3170250766	00.98914811619756	-007.372111	349717.2230310739	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
593	22	16133	1977.8586730335	0062527.3170250766	00.9891467318327	-007.297856	350388.2636223386	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
594	22	16134	2043.8586730335	0062527.3170250766	00.9891452572223	-007.274611	350599.304677117	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
595	22	16135	2109.8586730335	0062527.3170250766	00.9891440245447	-007.251367	350800.3542818153	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
596	22	16136	2178.8586730335	0062527.3170250766	00.98914256476014	-007.228122	351001.3857147488	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
597	22	16137	2248.8586730335	0062527.3170250766	00.98914105215911	-007.204876	351202.4266571054	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
598	22	16138	2307.8586730335	0062527.3170250766	00.989139504561404	-007.181634	351403.46622891327	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
599	22	16139	2376.8586730335	0062527.3170250766	00.98913791226705	-007.158389	351604.505625561	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
600	22	16140	2439.8586730335	0062527.3170250766	00.98913621497606	-007.135145	351805.5413384407	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
601	22	16141	2508.8586730335	0062527.3170250766	00.98913459	-007.11119	352006.5880709826	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
602	22	16142	2571.8586730335	0062527.3170250766	00.98913286571041	-007.088656	352207.6254617453	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
603	22	16143	2637.8586730335	0062527.3170250766	00.98913109372315	-007.065412	352408.669136278	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
604	22	16144	2703.8586730335	0062527.3170250766	00.98912927844558	-007.042167	352609.7042195423	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
605	22	16145	2769.8586730335	0062527.3170250766	00.9891274157135	-007.018923	352810.743821246	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
606	22	16146	2835.8586730335	0062527.3170250766	00.98912550840514	-006.995678	353011.7824	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
607	22	16147	2901.8586730335	0062527.3170250766	00.989123568330	-006.972434	353212.82172810805	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
608	22	16148	2967.8586730335	0062527.3170250766	00.9891216036892	-006.94919	353413.8600119173	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
609	22	16149	3038.8586730335	0062527.3170250766	00.98911957000221	-006.925945	353614.89860321226	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
610	22	16150	3098.8586730335	0062527.3170250766	00.98911743275086	-006.902701	353815.93705195	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
611	22	16151	3163.8586730335	0062527.3170250766	00.98911531159995	-006.879899	354016.97907378	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
612	22	16152	3231.8586730335	0062527.3170250766	00.989113125546326	-006.856212	354218.0135240456	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
613	22	16153	3297.8586730335	0062527.3170250766	00.98911090459914	-006.832968	354419.0154732417	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
614	22	16154	3363.8586730335	0062527.3170250766	00.98910863875536	-006.809723	354620.08942910715	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
615	22	16155	3428.8586730335	0062527.3170250766	00.98910632801499	-006.786479	354821.1271696008	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
616	22	16156	3495.8586730335	0062527.3170250766	00.98910397237802	-006.763234	355022.1647909007	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
617	22	16157	3561.8586730335	0062527.3170250766	00.98910175184447	-006.739899	355223.2022733638	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
618	22	16158	3627.8586730335	0062527.3170250766	00.98909912641434	-006.716746	355423.214945104	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
619	22	16159	3693.8586730335	0062527.3170250766	00.9890963606761	-006.693501	355625.2762727663	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
620	22	16160	3759.8586730335	0062527.3170250766	00.9890941	-006.670257	355826.317598783	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
621	22	16161	3825.8586730335	0062527.3170250766	00.989091520744454	-006.647012	356027.305669257	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
622	22	16162	3891.8586730335	0062527.3170250766	00.9890895872802	-006.623786	356228.3674114143	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
623	22	16163	3957.8586730335	0062527.3170250766	00.98908622581952	-006.600524	356429.40340164745	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
624	22	16164	4023.8586730335	0062527.3170250766	00.98908413105447	-006.577329	356629.469597378	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
625	22	16165	4089.8586730335	0062527.3170250766	00.98908195129937	-006.554035	356821.496854868	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
626	22	16166	4155.8586730335	0062527.3170250766	00.9890797466967	-006.53079	357023.530438321	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
627	22	16167	4221.8586730335	0062527.3170250766	00.9890775919756	-006.507546	357233.5691093189	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
628	22	16168	4287.8586730335	0062527.3170250766	00.989075220281844	-006.484302	357434.6053161467	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
629	22	16169	4353.8586730335	0062527.3170250766	00.98906926350959	-006.461057	357635.6480155373	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
630	22	16170	4419.8586730335	0062527.3170250766	00.9890672931953	-006.437813	357836.6766114104	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
631	22	16171	4485.8586730335	0062527.3170250766	00.98906518194447	-006.414579	358037.7042195423	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
632	22	16172	4551.8586730335	0062527.3170250766	00.989063061762521	-006.391324	358238.7474382645	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
633	22	16173	4617.8586730335	0062527.3170250766	00.98906075373787	-006.36808	358439.7826704516	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
634	22	16174	4683.8586730335	0062527.3170250766	00.9890583399036	-006.344836	358640.8718	3428109.431877269	2965.951544984211	2860.280614224935	2851.190956520281	2851.164350101226	0.977189290130614
635	22	16175	4749.8586730335	0062527.3170250766	00.98905608427734	-006.321591	358841.8527232703	3428109.431877269	2965.951544984211	2860.280614224935	2851.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgs.fg	BR ElevKgs.fg	SurfHtKgs.fg	SurfHtBoth.fg
715	12	16255	100298.5867307335	806257.3170250766	39.08844852725729	-100.4462051	474294.222895241	4237609.490418077	273.020086221065	2689.6560060568525	2632.7639399912017	2630.890953807409	58.82960065680514	58.84694684943461
716	12	16256	100598.5867307335	806257.3170250766	39.08841619139398	-100.4438219	3755.272407763007	4237605.33112818	270.5884676545274	2688.3243984878475	2630.35544379539	2628.56784067175	57.87696530630823	59.77449910333535
717	12	16257	101618.5867307335	806257.3170250766	39.08843767870354	-100.4416531	2763.627578015278	4237601.5787494281	2767.2053300846634	2687.0053300846634	2632.623091877114	2636.4630542574312	58.68388026984312	59.52310461223032
718	12	16258	102598.5867307335	806257.3170250766	39.08862785678697	-100.4392019	3752.29629171843	4237609.716900443	2763.9257411719363	2685.6753193324334	2626.7045825815956	2624.980476154483	59.77490530630823	60.69131171691515
719	12	16259	102938.5867307335	806257.3170250766	39.0886207683987	-100.4369075	3757.528335053387	4237593.662191433	2763.0656858996627	2684.3419482342362	2625.4547472862116	2623.8642173581235	58.8872097505029	60.477730986128336
720	12	16260	103598.5867307335	806257.3170250766	39.0881385199715	-100.4345831	3759.294344955201	4237605.50471108	2764.679035	2683.056440241265	2624.614953037358	2623.1159871658174	58.39069089788265	59.88956860875346
721	12	16261	104258.5867307335	806257.3170250766	39.0880676225872	-100.4322587	3761.30384178649	4237585.749067499	2766.2901202074964	2681.6666459840577	2624.1583725836304	2622.7996239846075	57.50827339634606	58.86741103060015
722	12	16262	104918.5867307335	806257.3170250766	39.08859966724656	-100.4299343	3763.312922077973	4237581.793	2767.93516871266	2680.342988980528	2624.1029052152374	2627.78746831925	56.2220893651534	57.44621153412754
723	12	16263	105578.5867307335	806257.3170250766	39.088525808495	-100.427698	3765.3214590435	4237577.368904204	2769.878797845271	2679.878797845271	2624.4325174924	2623.25045714924	54.658564780275054	59.72445812726425
724	12	16264	106238.5867307335	806257.3170250766	39.0885331369362	-100.4252585	3767.37434395	4237573.80616699	2773.432659504271	2677.63206851129	2623.689701440693	2623.874737434378	52.76327367434378	53.7582250983614
725	12	16265	106858.5867307335	806257.3170250766	39.08857085434866	-100.4229611	3768.62449146843	4237569.924796075	2776.584308422297	2676.28047819168	2625.739190531042	2624.829101820805	50.544842812601	51.45497299836143
726	12	16266	107558.5867307335	806257.3170250766	39.088570760132114	-100.4206367	3771.35462421964	4237565.969139926	2776.7333510189187	2673.324296806088	2626.694294942166	2625.05951680614	48.2386672	48.93405119162708
727	12	16267	108218.5867307335	806257.3170250766	39.08856321019984	-100.4183123	3773.36504510411	4237562.013684424	2781.266424954405	2673.5731970121178	2627.622648938564	2627.045885141045	45.9054807232145	46.52731177113295
728	12	16268	108878.5867307335	806257.3170250766	39.0885603701227	-100.4159878	3775.37523165219	4237558.05321614	2781.1763193703025	2672.203460627347	2628.4442519730756	2628.011132213987	43.75919408959147	44.19213738047935
729	12	16269	109538.5867307335	806257.3170250766	39.0885461	-100.4136364	3778.5555142324	4237554.103159431	2781.088617853048	2670.923885	2628.2469729105173	2628.8369714485676	41.57701173249279	41.987102
730	12	16270	110198.5867307335	806257.3170250766	39.08854113431015	-100.411339	3779.9378369940284	4237550.148116835	2781.0901607763702	2669.435027179805	2629.613737788535	2629.2820905671614	39.82144282370445	40.15211115043565
731	12	16271	110658.5867307335	806257.3170250766	39.088533651582	-100.4090146	3781.6011062596	4237546.193328969	2780.430045182846	2668.03691540685	2629.64901035343	2629.481851182194	38.387811724197	38.55439094886344
732	12	16272	111518.5867307335	806257.3170250766	39.0885260520595	-100.4069082	3784.632760872	4237542.23866071	2779.37600911914	2668.629064009995	2629.497473756231	2629.483110104354	37.13158665738241	37.14595937546536
733	12	16273	112178.5867307335	806257.3170250766	39.08851843540586	-100.404358	3785.6246432	4237538.28156986	2778.321718452974	2665.21223052623	2628.81333936553	2629.075125120374	36.7982720870911	36.19459711554485
734	12	16274	112838.5867307335	806257.3170250766	39.08851079015972	-100.4020414	3787.43668143902	4237534.32981799	2767.267934508277	2663.785238248727	2627.760642042625	2628.21889830305	36.025187282025	35.56639394840264
735	12	16275	113498.5867307335	806257.3170250766	39.08850391883396	-100.399717	3789.446037354	4237530.37654308	2766.170706103341	2662.394954654918	2627.482676091796	2627.433856031095	34.66891856	34.40578851798614
736	12	16276	114158.5867307335	806257.3170250766	39.08849534871162	-100.3973926	3791.491573355466	4237526.42	2764.833514183063	2660.324398844388	2626.052036611082	2628.221591729626	32.86021344812716	32.86021344812716
737	12	16277	114818.5867307335	806257.3170250766	39.08848580473258	-100.395167	3793.475277881527	4237522.46778162	2763.47198347	2659.424393386217	2625.432313045443	2628.092141154654	32.1250467126425	32.1250467126425
738	12	16278	115478.5867307335	806257.3170250766	39.088479728716115	-100.3927438	3795.477569130048	4237518.51470392	2772.303932189638	2657.927230222924	2621.73353093088	2624.474206760384	32.638992593581	33.4980245243632
739	12	16279	116138.5867307335	806257.3170250766	39.088471849823634	-100.3904194	3797.487789152345	4237514.56091179	2770.826783806303	2656.904465226905	2620.129931	2623.947190676384	30.3685159505601	33.143247505051096
740	12	16280	116798.5867307335	806257.3170250766	39.08846320701044	-100.388095	3799.498004831866	4237510.607	2769.1407943361375	2661.954783361375	2621.521728488927	2623.60239654578	29.37411487244705	31.39544614589187
1	23	16281	117094.1413	806917.3170250766	39.088388775636604	-102.105804	321353.5974899763	4237506.8570823235	4204.1302642759937	3886.486198203767	3883.548052588817	3883.2219319582625	23.981406156078	3.2654949621150976
2	23	16282	117028.1413	806917.3170250766	39.08391396532455	-102.1034799	321564.7603847232	4237506.779801575	4041.052457431009	3885.1921519371499	3881.599676279427	3881.4044182481628	3.322776594768543	3.787339117272523
3	23	16283	117062.1413	806917.3170250766	39.08389129562792	-102.1011558	321735.8226520586	4237506.702891284	4041.06729332789	3883.8494979765463	3879.536179765463	3879.64119164374	3.435451597638	3.435451597638
4	23	16284	117102.1413	806917.3170250766	39.08387448446467	-102.0998118	321934.054543	4237506.67541542	4041.07110813347	3883.592033386217	3879.4325152507	3878.4531152507	3.432277491677935	3.432277491677935
5	23	16285	117063.1413	806917.3170250766	39.0838932328076	-102.0965077	322158.24638894037	4237506.548802743	4041.282289128906	3881.2860052846218	3877.938825978512	3877.3038382869984	3.3471793010965	3.3471793010965
6	23	16286	117641.1413	806917.3170250766	39.08401435283013	-102.0941837	323259.407854817	4237506.482374143	4041.387670127846	3879.976024035007	3875.8504710127295	3.69710390	4.125535390771233	4.125535390771233
7	23	16287	116688.1413	806917.3170250766	39.0840393749473	-102.0918956	323560.569022827	4237506.395956543	4046.71424993224	3878.662626	3874.7430886775246	3874.617738061562	3.91953715208548	4.20084752345381
8	23	16288	116632.1413	806917.3170250766	39.08406427727456	-102.0895356	323761.730006393	4237506.31996568	4050.2547322	3877.34771458599	3873.98444400323	3873.6912231473693	3.94944113696716	3.6565184127298063
9	23	16289	116666.1413	806917.3170250766	39.08408912719951	-102.0872115	323962.8967372546	4237506.234308917	4053.633176840187	3876.031406892814	3872.42289719097	3872.783056	3.693935737167723	3.24854832366384
10	23	16290	116671.1413	806917.3170250766	39.08411422177856	-102.084874	324164.0517817412	4237506.16791764	4057.219325510084	3874.40282187761	3870.45282187761	3871.67139174384	3.4204560117126225	3.4204560117126225
11	23	16291	116634.1413	806917.3170250766	39.08413827370384	-102.0825614	324365.2112436952	4237506.3019449473	4055.69826167588	3873.3954891088723	3869.81807672108	3870.718404111274	3.3339604367184	3.276657397883404
12	23	16292	116638.1413	806917.3170250766	39.0841635674481	-102.0802393	324566.3710341107	4237506.3163892	4048.914810293868	3872.05533099393	3877.9603789121496	3868.40745632828	3.41151601743164	3.628507541690374
13	23	16293	116630.1413	806917.3170250766	39.0841830828996	-102.0779152	324767.5307174666	4237506.49062608	4042.1333744231893	3870.755430889134	3867.311541489238	3867.67236838095	3.443884969898688	3.628507541690374
14	23	16294	116634.1413	806917.3170250766	39.08421297336987	-102.0759912	324968.6900672713	4237506.365772025	4051.35193850991	3869.43455421933	3868.8023950474	3867.544947472307	2.555219474891259	1.890448728863594
15	23	16295	116701.1413	806917.3170250766	39.08423739895472	-102.0732671	325169.8491534045	4237506.329061182	4053.682172224464	3868.115581025046	3866.66278003164	3867.3701361816973	3.195293224729753	0.785448324387909
16	23	16296	116704.1413	806917.3170250766	39.08426218	-102.070943	325371.070749789	4237506.71567013	4059.7758166707	3866.7954204047	3866.871265310067	3866.75424953291	0	0
17	23	16297	116704.1413	806917.3170250766	39.08429671546886	-102.068764	325592.267769373	4237506.7341423184	4059.3142321687	3867.97485274005	3867.97485274005	3867.97485274005	0	0
18	23	16298	116757.1413	806917.3170250766	39.0843112063809	-102.0672949	325743.3428481547	4237506.59644058	4059.8795182163777	3867.544038182627	3868.29531514575	0	0	0
19	23	16299	116759.1413	806917.3170250766</										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogKgf.	BRElevBothKgf.	SatBothKgf.	SatBothRth.
101	23	16381	-304941.1413	806917.3170250766	39.086187479116475	-101.873914	516488.56543648717	43302791.971755679	3784.9038710730947	3719.2994427882177	3676.6290033411105	3677.7192056242616	42.67043944710713	41.5802371
102	23	16382	-304281.1413	806917.3170250766	39.086208199527015	-101.8710672	515688.7023349927	4330267.911	3782.484121195552	3716.8051397040635	3671.706438271156	3672.8287791517457	45.0967014265071	43.976306184317855
103	23	16383	-303621.1413	806917.3170250766	39.08624950568164	-101.866418	515160.6386914873	4330263.85139208	3780.789071231732	3699.2344564652343	3641.142273918891	3647.9222915340187	47.633399259831286	46.383549648487514
104	23	16384	-302961.1413	806917.3170250766	39.08624950568164	-101.866418	515160.6386914873	4330263.85139208	3778.85152126555	3711.80558172176	3619.1051779057954	3618.9143781786625	48.0400383602765	48.73130794053676
105	23	16385	-302301.1413	806917.3170250766	39.0862700142527	-101.8640964	5152273.111555508	4330255.37108127	3778.907121792884	3709.300385984034	3657.268024647573	3658.401742722979	52.03501219362852	50.07286432544216
106	23	16386	-301641.1413	806917.3170250766	39.08629063228008	-101.8617704	5152474.2474079315	4330215.67102716	3777.961310145923	3706.790207098822	3652.922187572188	3654.14911277844	52.62500432097084	51.4839042029704
107	23	16387	-300981.1413	806917.3170250766	39.08631112824584	-101.8594462	5152675.3831414293	4330247.613	3776.172878	3704.289172119806	3648.7659784582518	3649.918396481528	55.08619654852518	54.36987750452445
108	23	16388	-300321.1413	806917.3170250766	39.0863317932257	-101.857122	5152876.1185669313	4330235.54553221	3773.541924416196	3701.768914281196	3644.8123066067888	3645.9116932064005	56.96570767440722	55.856321704745665
109	23	16389	-299661.1413	806917.3170250766	39.08635198551015	-101.8547478	5153077.653747846	4330228.934771119	3771.910996674514	3699.2344564652343	3641.142273918891	3647.9222915340187	58.9022162623347	56.9221328938551
110	23	16390	-299001.1413	806917.3170250766	39.0863723468058	-101.8524735	5153276.789837737	4330231.43677013	3768.280047110737	3696.696491459584	3637.845983334314	3638.765785572035	61.53228053164247	57.53228053164247
111	23	16391	-298341.1413	806917.3170250766	39.08632636317836	-101.8501493	5153479.92337555168	4330235.376701785	3765.382338107074	3694.13768203836	3635.163089233363	3635.64554527272	58.907867838681585	58.44223627595976
112	23	16392	-297681.1413	806917.3170250766	39.08641293473787	-101.8478251	5153681.05702314626	4330227.318161327	3762.2178681224614	3691.566851059284	3632.52826759112	3632.9010339734573	61.46041350416314	58.66581913607115
113	23	16393	-297021.1413	806917.3170250766	39.086433316136885	-101.8455009	5153882.190267123	4330223.259762213	3759.053892549684	3688.9825201333	3630.386388133386	3630.386388133386	58.90226387274709	58.4819042029704
114	23	16394	-296361.1413	806917.3170250766	39.08645334311011	-101.8431767	5154083.329566403	4330219.21032827	3755.888925189237	3686.400924156783	3628.432717788758	3628.4389216175085	57.9682063802501	58.0520021232374326
115	23	16395	-295701.1413	806917.3170250766	39.08647347996222	-101.8408528	5154284.4594029607	4330215.143431671	3753.2426026	3683.802140310806	3626.328729507394	3626.71681368765	57.47340181034119	57.08552194377814
116	23	16396	-295041.1413	806917.3170250766	39.08649357102496	-101.8385283	5154485.951792052	4330211.0853831	3751.1246891438	3681.193308769846	3625.37903119771	3625.585104676863	55.814225177263346	55.6082010102928
117	23	16397	-294381.1413	806917.3170250766	39.08651361900828	-101.8362041	5154686.7260557273	4330202.97603858	3748.003370604275	3675.87506877259	3624.8255682918889	3624.8241632394215	53.9485885541004	53.7509053587734
118	23	16398	-293721.1413	806917.3170250766	39.08653362119213	-101.8338798	5154887.8594625734	4330202.97301419	3746.82403603613	3675.8477896880358	3624.016535684454	3624.016535684454	51.93125054680617	51.6700249070438
119	23	16399	-293061.1413	806917.3170250766	39.08655357848651	-101.8315556	5155088.992236718	4330198.912929578	3743.363463705518	3673.317756373813	3623.69878385299	3623.8433818620415	49.61299174208216	49.46839737533799
120	23	16400	-292401.1413	806917.3170250766	39.08657349089132	-101.8292314	5155290.2473873573	4330184.85178149	3738.456533710818	3670.67132219394	3622.831356712404	3622.907383581537	47.8359550274081	47.7593743420134
121	23	16401	-291741.1413	806917.3170250766	39.08659336	-101.8269072	5155491.2569973418	4330178.79687948	3735.5263655674817	3668.014668341344	3620.810495728252	3620.810495728252	47.36243870846571	47.36243870846571
122	23	16402	-291081.1413	806917.3170250766	39.08661310183205	-101.824583	5155692.388	4330176.72	3732.637359398186	3665.3408622778	3618.493585745524	3617.975034296118	46.8547275623357	47.37478129714184
123	23	16403	-290421.1413	806917.3170250766	39.08663298438276	-101.822274	5155898.2118471001	4330170.93411906	3730.484021885325	3662.9220225415	3617.0629225415	3617.27212297461	45.9842138197251	45.9842138197251
124	23	16404	-289761.1413	806917.3170250766	39.08665289161468	-101.8195045	5156094.6523235586	4330176.823507445	3731.2259812019125	3657.009785381507	3614.65963175345	3613.706357113417	45.934573620549	46.250030260899
125	23	16405	-289101.1413	806917.3170250766	39.08667279571304	-101.8176103	5156295.78361561272	4330175.702750725	3730.58877463149	3656.2489772221	3613.339817740338	3611.606845171432	43.98485198891338	45.17572592
126	23	16406	-288441.1413	806917.3170250766	39.08669202	-101.8152861	5156496.914666337	4330170.516014555	3695.911565052067	3654.63064759741	3611.584365016337	3610.6256286953	43.04602258107526	45.0540220714877
127	23	16407	-287781.1413	806917.3170250766	39.08671162081533	-101.8129618	5156698.0547954632	4330165.189102579	3691.92126823687	3651.82655498206	3609.308536	3605.89575874875896	42.9125190265599	46.03107702231221
128	23	16408	-287121.1413	806917.3170250766	39.08673117410259	-101.8106376	5156899.104697885	4330162.404137126	3689.773708	3649.21875997360	3605.75483270714	3600.821741688814	43.4610963266438	46.39863790877916
129	23	16409	-286461.1413	806917.3170250766	39.08675068250025	-101.8083134	5157098.2036737443	4330159.9484525847	3688.5341948525847	3648.05696935987	3604.923971183035	3604.923971183035	43.4610963266438	46.39863790877916
130	23	16410	-285801.1413	806917.3170250766	39.08677014007075	-101.8059891	5157301.4340330628	4330157.295338105	3687.47790574014148	3647.779057313505	3597.083593169693	3593.60646672324	45.68989714021256	50.1889015462513
131	23	16411	-285141.1413	806917.3170250766	39.08678956425114	-101.8036469	5157502.56630759043	4330150.327193162	3681.5871063201876	3644.024322950264	3592.7861945134478	3588.8384231374786	45.2520161278534	52.22000116728534
132	23	16412	-284481.1413	806917.3170250766	39.0868093835274	-101.8013407	5157703.6959148012	4330146.18247179	3671.11265048713	3638.320280341677	3589.6316855896	3589.6316855896	44.66866348778105	54.5212804719301
133	23	16413	-283821.1413	806917.3170250766	39.08682826719034	-101.7990164	5157904.8258214253	4330142.12741892	3661.235564772336	3635.554804302177	3584.243965433733	3579.25905325307	51.31081886484624	56.2957057761052
134	23	16414	-283161.1413	806917.3170250766	39.08684755113791	-101.7968922	5158105.9540982014	4330138.0756994622	3651.0597579057635	3632.790936626075	3580.3545709272503	3574.907677094493	47.95296589571175	57.95296589571175
135	23	16415	-282501.1413	806917.3170250766	39.086866700195394	-101.7943769	5158307.0832963802	4330134.017098897	3648.7472720189233	3630.437708895829	3576.5545623973408	3571.5780787703438	48.341252626	58.49596291848273
136	23	16416	-281841.1413	806917.3170250766	39.0868859435276	-101.7920477	5158508.2118471001	4330132.963411906	3640.884021885325	3627.9220225415	3617.0629225415	3617.27212297461	45.9842138197251	45.9842138197251
137	23	16417	-281181.1413	806917.3170250766	39.0869051336399	-101.7897195	5158709.430356914	4330125.9098439514	3637.4841272012033	3624.489584768034	3569.3818386950953	3569.3818386950953	53.107407233661	60.6011730510071
138	23	16418	-280521.1413	806917.3170250766	39.086924238027024	-101.7873952	5158910.48652798277	4330121.545462448	3634.091459128736	3622.10215950305	3565.4895253084724	3561.308706102959	52.1269604183252	60.3935094734574
139	23	16419	-279861.1413	806917.3170250766	39.086943295723824	-101.785071	5159111.5964061066	4330117.800280848	3633.702216084278	3618.905274384878	3561.774383873633	3557.264222471816	51.3308903975148	61.64282170576054
140	23	16420	-279201.1413	806917.3170250766	39.08696231213036	-101.7827467	5159312.7415440305	4330113.741719217	3636.3173102647665	3616.07586677762	3558.0091923118566	3553.37239695465	50.08834365815478	62.7643062206556
141	23	16421	-278541.1413	806917.3170250766	39.086981281846626	-101.7804225	5159513.8516101603	4330109.634996922	3638.932404444805	3613.279073505516	3554.3715989315276	3549.3517809136466	50.08834365815478	63.927554139916837
142	23	16422	-277881.1413	806917.3170250766	39.08699020667265	-101.7780982	5159714.798271001	4330105.639990158	3637.447498624843	3610.449712331065	3550.24429191084015	3547.951091588816	50.08834365815478	65.1476073278972
143	23	16423	-277221.1413	806917.3170250766	39.08700962069089	-101.7758012	5159915.23350511396	4330103.93539219	3636.670458095183	3604.758312402367	3545.2005574	3545.2005574	50.08834365815478	67.6374072992924
144	23	16424	-276561.1413	806917.3170250766	39.08702736156233	-101.7734497	516017.23255011396	4330103.93539219	3636.670458095183	3604.758312402367	3545.2005574	3545.2005574	50.08834365815478	69.33741578

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatTKLog.s	SatTKBoth.ft
227	23	16507	-227181.1413	806917.3170250766	39.08844473915076	-101.5805331	776809.9442552064	4239761.713117221	3450.383215	3344.0353839690442	3360.101149701258	3368.1062263155713	0	
228	23	16508	-22121.1413	806917.3170250766	39.0845896328413	-101.5782680	777011.0517659546	4239757.674191215	3462.0987263414706	3340.7968450561544	3359.458410586232	3367.6991621290085	0	
229	23	16509	-226501.1413	806917.3170250766	39.08847285224441	-101.5782680	777212.198591685	4239753.635434129	3378.6142811211176	3357.94691833305304	3369.16268743686615	3367.6268743686615	0	
230	23	16510	-219801.1413	806917.3170250766	39.0849849	-101.5735601	777413.26613273086	4239749.596845948	3485.52975409772	3334.3540365711645	3359.0465379821035	3363.62265404114	0	
231	23	16511	-219141.1413	806917.3170250766	39.088504726325446	-101.5712357	777614.37298576825	4239745.558426675	3493.6622415242737	3331.153788	3359.2630008967913	3367.866665952166	0	
232	23	16512	-218481.1413	806917.3170250766	39.08851961088622	-101.5689114	777815.479615641	4239741.520176301	3498.211703949127	3327.9682681854115	3358.6706633296285	3375.1054145292	0	
233	23	16513	-217821.1413	806917.3170250766	39.08853445055376	-101.5665871	778016.586033962	4239737.482094814	3502.76116547339803	3324.7994861109494	3359.5392454597956	3367.7613436079526	0	
234	23	16514	-217161.1413	806917.3170250766	39.08854924532806	-101.5642627	778217.69222917245	4239734.444182211	3507.310627444833	3324.68220431137	3360.6947486266723	3368.6289937276015	0	
235	23	16515	-216501.1413	806917.3170250766	39.0885396520966	-101.5618384	778416.7960528354	4239729.406438478	3508.9638913518978	3318.5130683392936	3363.559283834447	3369.871265354813	0	
236	23	16516	-215841.1413	806917.3170250766	39.0885787001957	-101.5596414	778619.930263321	4239725.369836317	3507.72071371873103	3315.39511323449	3363.3469294182514	3370.8891887870773	0	
237	23	16517	-215181.1413	806917.3170250766	39.088533602911556	-101.5572887	778817.0056016932	4239721.31457618	3506.47747	3312.29632696918546	3365.471855913682	3372.1256769541313	0	
238	23	16518	-214521.1413	806917.3170250766	39.0886075492174	-101.5549653	779022.1146221805	4239717.294220469	3505.234702	3309.2188409150467	3367.6464695643062	3373.640371094968	0	
239	23	16519	-213861.1413	806917.3170250766	39.088622545799836	-101.552641	779223.2198245005	4239713.257	3502.2786373877293	3306.163581696513	3369.8624995897803	3375.105924776985	0	
240	23	16520	-213201.1413	806917.3170250766	39.08863707121404	-101.5503166	779424.324808658	4239709.220252705	3497.6095528850674	3303.132815459577	3372.5962873453345	3376.8073436079526	0	
241	23	16521	-212541.1413	806917.3170250766	39.0886515713481	-101.5479923	779625.4294745533	4239705.183522071	3492.59404863824095	3300.1287444621757	3375.160448377205	3378.2917595251	0	
242	23	16522	-211881.1413	806917.3170250766	39.0886598735212	-101.545678	779826.533924496	4239701.146904263	3498.2713830797436	3297.153813324786	3377.8310387203232	3379.80735363821	0	
243	23	16523	-211221.1413	806917.3170250766	39.088680378095044	-101.5433436	780027.6382	4239697.110567273	3493.5008734559086	3294.209737417706	3380.59842418408	3382.027915555835	0	
244	23	16524	-210561.1413	806917.3170250766	39.08869472393623	-101.5410192	780228.7421707383	4239693.074330389	3478.628895050902	3291.2949858268344	3383.295450394424	3384.489712660344	0	
245	23	16525	-209901.1413	806917.3170250766	39.088709024890065	-101.5386948	780429.4860683102	4239690.83285703	3473.7568206658943	3288.425423241573	3385.5650017102917	3386.608232385494	0	
246	23	16526	-209241.1413	806917.3170250766	39.088713228094323	-101.5363705	780630.9496491819	4239685.002	3468.8848122808877	3285.590257808189	3386.453893836745	3387.4081871773963	0	
247	23	16527	-208581.1413	806917.3170250766	39.08873746210275	-101.5340461	780832.0503135228	4239680.967	3465.32743829747	3282.796298	3384.214938092296	3385.0905213645187	0	
248	23	16528	-207921.1413	806917.3170250766	39.08875165830898	-101.5317218	781033.156116396	4239676.381132305	3463.048698716472	3280.05456574394	3376.998472	3387.1157973143213	0	
249	23	16529	-207261.1413	806917.3170250766	39.08876952244556	-101.491068	781234.2598329498	4239672.895329498	3462.734982951878	3277.341119777496	3380.844851047796	3387.523597145498	0	
250	23	16530	-206601.1413	806917.3170250766	39.0887785621949	-101.527073	781435.361809405	4239668.86055408	3458.5982195539234	3274.684045164744	3384.525596094009	3385.11852345041	0	
251	23	16531	-205941.1413	806917.3170250766	39.0887783870437	-101.5254787	781636.4639669794	4239664.825497859	3455.129547077378	3272.079587329555	3342.089051126715	3342.94227192971587	0	
252	23	16532	-205281.1413	806917.3170250766	39.0888077449551	-101.5224243	781837.566642935	4239660.791	3450.4335627055602	3269.52196880537	3330.593590104222	3331.495727813981	0	
253	23	16533	-204621.1413	806917.3170250766	39.08882181629284	-101.5201	782038.6668367858	4239656.756	3445.737713373433	3267.031263538194	3320.1315403779786	3321.0021186041026	0	
254	23	16534	-203961.1413	806917.3170250766	39.088835713196424	-101.5177756	782239.705182297	4239652.721382168	3441.04117799619264	3264.5953534692226	3310.854778318638	3312.34885263961	0	
255	23	16535	-203301.1413	806917.3170250766	39.08884955266196	-101.4984824	782440.8722	4239648.5870140476	3438.8921358179798	3262.213581797978	3304.26496021629786	3304.896021629786	0	
256	23	16536	-202641.1413	806917.3170250766	39.08886372222113	-101.5131268	782641.935624595	4239644.653	3433.0369745274964	3259.8199232340024	3298.1124562704784	3298.1124562704784	0	
257	23	16537	-201981.1413	806917.3170250766	39.08887713454417	-101.5108025	782843.074927455	4239640.181785041	3429.266278542973	3257.632340494977	3294.068263547504	3294.068263547504	0	
258	23	16538	-201321.1413	806917.3170250766	39.0888908187234	-101.5084781	783044.17578875024	4239636.584923422	3425.49549826989	3255.4361893155518	3290.917588747138	3290.917588747138	0	
259	23	16539	-200661.1413	806917.3170250766	39.088904523406585	-101.5061538	783245.27657068253	4239630.551230502	3423.38391817681	3253.3023369564826	3287.8598543142184	3288.0848516636242	0	
260	23	16540	-200001.1413	806917.3170250766	39.08891851184688	-101.5038294	783446.371374335	4239628.517706272	3422.854915450513	3251.2299094636237	3284.9889302473903	3285.371728949015	0	
261	23	16541	-199341.1413	806917.3170250766	39.08893173449322	-101.501505	783647.4774931387	4239624.484	3422.35143908335	3249.2170985831644	3282.5442709884071	3282.5442709884071	0	
262	23	16542	-198681.1413	806917.3170250766	39.08894722444556	-101.491068	783849.6775340719	4239620.451163983	3421.84776271618	3247.26245455063	3280.5090459498	3280.5090459498	0	
263	23	16543	-198021.1413	806917.3170250766	39.08895876510387	-101.498653	784049.6776617478	4239616.41845665	3420.985854098416	3245.363365710565	3280.194781384965	3280.194781384965	0	
264	23	16544	-197361.1413	806917.3170250766	39.0889721306812	-101.4945319	784250.7727573213	4239612.38529129	3410.59967163257	3243.52052456338	3280.12364895015	3279.502739892114	0	
265	23	16545	-196701.1413	806917.3170250766	39.088985616138324	-101.4922075	784451.87871487	4239608.353	3403.2685289170327	3241.7304398986707	3280.725393496906	3279.6820828244	0	
266	23	16546	-196041.1413	806917.3170250766	39.08899897431446	-101.4898832	784652.970672841	4239604.320103022	3395.937450670808	3239.99206654742	3281.9180202230664	3280.22019790878	0	
267	23	16547	-195381.1413	806917.3170250766	39.089012287596404	-101.4875588	784854.0751	4239600.287759428	3386.330780742171	3238.303794911297	3283.6114968488014	3282.326056546937	0	
268	23	16548	-194721.1413	806917.3170250766	39.08902555948425	-101.4852344	785055.174008443	4239596.256	3374.448519	3236.664025981682	3285.757091132407	3282.564200671291	0	
269	23	16549	-194061.1413	806917.3170250766	39.08903827947758	-101.482983	785256.37176884	4239592.2378138	3365.52338211036	3235.688951724098	3284.652162818021	3282.572286703728906	0	
270	23	16550	-193401.1413	806917.3170250766	39.08905195807738	-101.480585	785469.776517478	4239588.191704225	3350.685390900184	3233.51482294845	3283.88905111241	3285.36251046714	0	
271	23	16551	-192741.1413	806917.3170250766	39.08906509178264	-101.4782613	785658.46933047916	4239584.16	3344.6934346400324	3232.002722591184	3284.45674936179	3282.138017935058	0	
272	23	16552	-192081.1413	806917.3170250766	39.089078180593646	-101.4759369	785859.5673405566	4239580.129	3344.5945746430083	3230.528069953166	3279.4354421765056	3276.546074139356	0	
273	23	16553	-191421.1413	806917.3170250766	39.089091224510376	-101.4736125	786060.6651544202	4239576.097238914	3344.495714336146	3229.091723022395	3278.8878873204	3269.956576692185	0	
274	23	16554	-190761.1413	806917.3170250766	39.0891023532814	-101.4712881	786266.76274977974	4239572.066075599	3344.39684026208	3227.6921837632563	3277.052873690947	3263.515742134866	0	
275	23	16555	-190101.1413	806917.3170250766	39.08911771760598	-101.4698837	786462.86901	4239568.30569897	3342.53338211036	3226.528506467183	3266.462162818021	3266.462162818021	0	
276	23	16556	-189441.1413	806917.3170250766	39.08913008954724	-101.466534	786665.9573083077	4239564.00425705	3338.905079891628	3224.988541481271	3254.5077144101216	3249.705446	0	
277	23													

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.fg	BR/ElevBoth.fg	SatThLogs.f	SatThBoth.f
323	16633	-138621.1413	806917.3170250766	39.0898992784012005	-101.28765696	302147.8237	4329254.136270472	3332.377578982058	3172.072220369939	3196.15858551178	3221.421737	0	0
354	23	16634	-137961.1413	806917.3170250766	39.08996658580809	-101.285332	302348.9054059405	4329250.18366983	3328.898218590455	3171.487754685104	3196.521213295906	320.5804893777126	0
355	23	16635	-133341.1413	806917.3170250766	39.09000494311914	-101.286961	302549.8962239679	4329245.38327296	3328.0847140824785	3170.8984871562084	3196.937844347043	0	0
356	23	16636	-136641.1413	806917.3170250766	39.09001737	-101.2806863	30275.10672131533	4329325.556372664	3323.925225555555	3170.2974605909685	3197.55196927778	319.327851750438	0
357	23	16637	-135981.1413	806917.3170250766	39.0900263865279	-101.2783619	302852.1480082941	4329238.066475996	3321.7797872722365	3169.6898791815365	3198.0954192890594	3218.72489790104	0
358	23	16638	-135321.1413	806917.3170250766	39.09003586647558	-101.2760374	303153.2286961466	4329234.049447277	3319.6273359799115	3169.073456221345	3198.106874826242	3218.283911908984	0
359	23	16639	-134661.1413	806917.3170250766	39.09004504940231	-101.273713	303354.39007132005	4329230.302586504	3317.3728936019743	3168.447762943623	3197.6722506016918	3217.6225067942842	0
360	23	16640	-134001.1413	806917.3170250766	39.09005416743298	-101.2713886	303555.38923161384	4329226.015893671	3315.0164616358143	3167.81125552173	3199.4375888950414	3217.0655794704363	0
361	23	16641	-133701.1413	806917.3170250766	39.09006328567653	-101.269641	303756.46982070173	4329221.895836765	3313.6602067866533	3167.6350227087355	3199.6622059784564	3216.2429227730527	0
362	23	16642	-132681.1413	806917.3170250766	39.0900722880596	-101.2657397	303957.5490078746	4329217.983011782	3310.3035977034924	3166.501178839074	3199.548259035154	3215.17195625129	0
363	23	16643	-132001.1413	806917.3170250766	39.090081332148245	-101.2644152	304158.7861760753	4329213.963822714	3308.14791991984	3165.823363	3199.7862804907886	3213.802083944873	0
364	23	16644	-131361.1413	806917.3170250766	39.09009029059439	-101.2620098	304359.7801587724	4329209.950801551	3306.1932125351555	3165.1303800466853	3199.2455075109497	3212.297074148652	0
365	23	16645	-130701.1413	806917.3170250766	39.090098020414344	-101.2597663	304566.7874097984	4329204.3834948287	3304.23843073831715	3164.4220987519363	3196.272164974317	3210.5559432019303	0
366	23	16646	-130041.1413	806917.3170250766	39.0901080729811	-101.2574419	304761.8664672029	4329201.910262913	3302.283653621479	3163.6984697656144	3195.183706334828	3208.53975150727	0
367	23	16647	-129381.1413	806917.3170250766	39.0901169	-101.2551174	304862.945333474	4329197.903745427	3299.2652107780773	3162.9596489138385	3195.59925309895	3207.269629107067	0
368	23	16648	-128721.1413	806917.3170250766	39.090125675417056	-101.252733	305164.0240077171	4329193.88839513	3296.17704584812	3162.20558904574	3196.68518969318	3205.012747350704	0
369	23	16649	-128061.1413	806917.3170250766	39.090134340938166	-101.2504688	305365.1024951574	4329189.873214067	3291.09098318142	3161.436233225156	3199.5506165568927	3202.2481643975687	0
370	23	16650	-127401.1413	806917.3170250766	39.0901430845103	-101.2481141	305566.18079195147	4329185.85200182	3287.004882088182	3160.6520987273493	3198.201505028165	3197.6093820422546	0
371	23	16651	-126741.1413	806917.3170250766	39.09015174	-101.2458197	305767.2588822245	4329181.843534146	3282.535119266679	3159.85376156528	3198.127793	3195.108238283484	0
372	23	16652	-126081.1413	806917.3170250766	39.090163189991	-101.2434952	305968.3367915416	4329177.828267598	3276.16716971341	3159.0411467126637	3183.40920200338	3192.63192911987	0
373	23	16653	-125421.1413	806917.3170250766	39.09016892795016	-101.2411708	306169.41051010626	4329173.814165605	3272.828240500305	3158.2144406075286	3180.551331710653	3190.1161050959947	0
374	23	16654	-124761.1413	806917.3170250766	39.0901741	-101.2388463	306370.4921380737	4329169.79821038	3267.974801467665	3157.374134912176	3179.618787477114	3186.575920713477	0
375	23	16655	-124041.1413	806917.3170250766	39.09021624471659	-101.236034	306578.557537372	4329163.16543349	3264.4696536849677	3155.1798123739027	3158.677832018	3183.52612289506	0
376	23	16656	-123441.1413	806917.3170250766	39.090219420040065	-101.2341794	306772.6462232892	4329161.77163495	3264.76170589723	3155.657140571667	3171.52863583595	3180.543652189567	0
377	23	16657	-122781.1413	806917.3170250766	39.09022606484066	-101.231873	306973.7258808912	4329157.75004121	3264.2389897	3154.781982192456	3168.470931828058	3177.336519279026	0
378	23	16658	-122121.1413	806917.3170250766	39.0902199473892	-101.2295485	307174.8003487164	4329153.744129126	3263.71662289607	3153.8958748854816	3165.39608373975	3174.0785069748645	0
379	23	16659	-121461.1413	806917.3170250766	39.09021927974075	-101.2272241	307375.87892711246	4329149.730625632	3263.6571935382663	3152.998164215719	3162.310993	3172.93527552443	0
380	23	16660	-120801.1413	806917.3170250766	39.09022751984615	-101.2248996	307576.95331614104	4329145.717289919	3264.061986595127	3152.089034118118	3159.2185471148546	3167.442591978617	0
381	23	16661	-120238.1413	806917.3170250766	39.090226715055144	-101.222675	307778.0281605176	4329141.704121981	3264.4696536849677	3151.798123739027	3158.677832018	3183.52612289506	0
382	23	16662	-119481.1413	806917.3170250766	39.0902438653679	-101.2202507	307975.105271061211	4329137.101121811	3264.76170589723	3151.6321982430752	3157.374134912176	3182.611937402837	0
383	23	16663	-118821.1413	806917.3170250766	39.09025197807375	-101.2179622	308180.18134534775	4329136.78289396	3264.76703824696	3149.2794466766914	3149.033416136313	3156.767691035066	0
384	23	16664	-118161.1413	806917.3170250766	39.09026003130345	-101.2156018	308381.256983134	4329129.66562734	3264.02802285132	3148.3446054513543	3148.396734	3153.176627424840397	0
385	23	16665	-117501.1413	806917.3170250766	39.09026804962647	-101.2132773	308582.332428631	4329125.653127816	3263.389040755676	3147.38002467478	3145.254261149313	3150.0852535028985	4.21654327
386	23	16666	-116841.1413	806917.3170250766	39.09027601765305	-101.2109529	308783.40786304	4329121.61	3262.644999200034	3146.4065769435365	3139.95181329635	3146.4483231389672	0
387	23	16667	-116181.1413	806917.3170250766	39.09028393443515	-101.208284	308984.4827555485	4329117.6283571	3261.75791052164	3145.4223999010737	3138.62017030482	3142.38797421878	0
388	23	16668	-115521.1413	806917.3170250766	39.09029152441659	-101.206304	309185.557537372	4329113.16543349	3261.46168940256	3144.4288612243562	3137.95183233354	3141.34686739102248	0
389	23	16669	-114861.1413	806917.3170250766	39.09029960456389	-101.2039795	309386.83233172656	4329109.604871415	3261.6624617159355	3143.4264912553813	3129.618147690892	3134.090619513758	13.80834536568494
390	23	16670	-114201.1413	806917.3170250766	39.090307451943136	-101.201655	309587.7068380127	4329105.93519095	3261.4002276821	3142.4159517990124	3125.615041104533	3129.7588716533974	16.80009768559164
391	23	16671	-113541.1413	806917.3170250766	39.090315197837974	-101.1993306	309788.7811588046	4329101.582	3260.22366641584	3141.3891348445016	3121.1702593423906	3124.996586522254	20.2278756
392	23	16672	-112881.1413	806917.3170250766	39.09032289185246	-101.1970061	309989.853	4329097.530545536	3258.106780555728	3140.37370808076	3116.511886427668	3119.3355105052628	23.86183380408254
393	23	16673	-112221.1413	806917.3170250766	39.0903305563589	-101.1946817	310190.92834188	4329093.59190279	3255.959844728865	3139.3434289946325	3113.387912240082	3113.91351212091826	25.955513720854
394	23	16674	-111561.1413	806917.3170250766	39.09033816718993	-101.1923572	310392.03	4329089.54820269	3255.70038536536	3138.308164716135	3105.608500622603	3108.044120881185	32.6275847387226
395	23	16675	-110901.1413	806917.3170250766	39.09034635679	-101.1900478	310597.657262062	4329084.243541986	3255.482198182483	3137.62017030482	3104.9056443004	3102.825197842837	30.40437847946377
396	23	16676	-110241.1413	806917.3170250766	39.09035325560804	-101.1877033	310794.1495959248	4329081.52763510	3255.205633248547	3136.2051051658674	3101.900421	3102.5087011317945	44.723681777746
397	23	16677	-109581.1413	806917.3170250766	39.09036073247213	-101.1853838	310995.232	4329075.51524908	3246.79496197715	3135.183942484307	3083.4481274673653	3082.70306719091	51.75848510641615
398	23	16678	-108921.1413	806917.3170250766	39.09036816443952	-101.1830594	311196.2961780382	4329073.50269349	3244.384320679505	3134.137296931134	3083.2891010527387	3082.3682589538037	50.80491957403745
399	23	16679	-108261.1413	806917.3170250766	39.09037555151023	-101.1807349	311397.389088839	4329069.49577963	3242.7532280438	3133.08920554057	3080.3298369145676	3078.158495837683	42.74961590711928
400	23	16680	-107601.1413	806917.3170250766	39.09038293836421	-101.1784014	311598.441554143	4329061.485797891	3241.899842210672	3132.40888644137	3096.1225557066595	3096.4890671440407	35.9183233547734
401	23	16681	-106941.1413	806917.3170250766	39.09039010098151	-101.176066	3117795.511486674	4329051.17583801	3240.6540385354	3130.9429635022	3106.68386971933	3105.6474646287	30.0020798
402	23	16682	-106281.1413	806917.3170250766	39.09039343340234	-101.1737615	312000.58968698	4329057.46537316	3240.12995972845	3129.945312346603	3104.240403918399	3104.9056443004	25.04772193589813
403	23	16683	-105621										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SurfAtKhs.f	SurfAtKhs.f
479	23	16759	-55461.14133	806917.3170250766	39.00802105	-100.9947766	327482.6179523925	4328749.2265281745	35.2532999	301.1213992597079	2944.768534046493	2944.125864	71.454585058595	72.08812886412898
480	23	16760	-54801.14133	806917.3170250766	39.00832401	-100.9524522	327883.67146503733	4328745.22966075	315.6375731249646	301.14176059374786	2943.4764843396742	2942.8111463821892	71.87653515257397	71.87653515257397
481	23	16761	-54141.14133	806917.3170250766	39.00832401	-100.9716787	327884.7286	4328741.2332023124	315.2114768686778	301.136835349714	2943.091501034036	2941.5848415514749	71.568821729747498	71.568821729747498
482	23	16762	-53491.14133	806917.3170250766	39.00832401	-100.9716787	327885.78730582	4328737.26666687	301.558427078391	300.976987560917	2942.534626104292	2940.542394621862	70.7633043274754	71.10843327667518
483	23	16763	-52821.14133	806917.3170250766	39.0083578301572	-100.9854787	328286.84592302654	4328733.244070125	314.184026238381	301.1422213	2939.797305029406	2939.4305307682403	70.3440077417439	70.7118198533996
484	23	16764	-52161.14133	806917.3170250766	39.00831542	-100.9831542	328487.9037329634	4328731.24085111	314.0480043318146	300.84068288415	2938.495885846347	2938.1952531492348	70.1479644198036	70.44524194
485	23	16765	-51501.14133	806917.3170250766	39.0084287973737	-100.9808297	328888.9613871798	4328725.249177845	301.146468073864	2937.056105640668	2937.056105640668	2937.056105640668	70.30259923319561	70.30246079143899
486	23	16766	-50841.14133	806917.3170250766	39.0084636075181	-100.9789052	328888.0186864945	4328721.25362111	315.6453374776147	300.569182561747	2935.2710471471405	2935.1346210842925	70.38813541473246	70.52456148
487	23	16767	-50181.14133	806917.3170250766	39.0084979688696	-100.9761877	329091.8611816286	4328717.158153204	314.095546856458	300.4785255383221	2933.3288658938904	2932.88651611156	70.4794621917499	70.4794621917499
488	23	16768	-49521.14133	806917.3170250766	39.0085138002762	-100.9738562	329252.1332772656	4328713.262891419	314.2175534530003	300.2704138326155	2931.3824255779518	2931.302377795118	71.4004350750064	71.4004350750064
489	23	16769	-48861.14133	806917.3170250766	39.0085563403957	-100.9715317	329483.1903069804	4328709.267796444	301.2425550213023	300.12337618438305	2929.17513800046	2929.06182724714	70.05882376378405	72.1875791191644
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492	23	16772	-46821.14133	806917.3170250766	39.0086630388854	-100.9645582	330096.3602440037	4328697.28312904	314.248972118812	299.8507762370269	2919.338575581602	2919.338575581602	73.152200866678	73.152200866678
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501	23	16781	-40941.14133	806917.3170250766	39.0089189824506	-100.9431913	331916.191195179	4328662.455	309.546897146898	298.475127171643	2914.765467257157	2914.765467257157	62.548491195557	62.548491195557
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515	23	16795	-31701.14133	806917.3170250766	39.0092777695649	-100.911048	334717.6213904404	4328605.43983997	307.20164961499	296.3407744714284	2903.65954662467	2902.62737628821	60.321148090714	60.7830317
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524	23	16804	-25761.14133	806917.31702507										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
605	23	16885	27698.8586730335	0069137102502676	-00.900940035151447	-00.7018899	52814.7212569684	4328246.967218947	4847.4821073999406	2837.8990034851733	2830.0890446016774	2830.419254407264	27698992434958395	74767.64737093948
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607	23	16887	26218.8586730335	0069137102502676	-00.90069617	-00.6974906	53216.79869496944	4328230.016139656	2843.0617842181156	2843.0617842181156	2830.875163171745	2830.8263836022708	14.0716869536873042	13.6284869564211
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614	23	16894	33628.8586730335	0069137102502676	-00.900921254750157	-00.6850964	534624.0657543056	4328211.193	2922.94312261636	2822.94312261636	2801.11941146324	2801.3121265572933	21.0711133709404	21.631685740148
615	23	16895	34248.8586730335	0069137102502676	-00.90091843851592	-00.6786448	534825.1033226575	4328207.21145128	2915.63426796324	2821.289528286437	2798.280117594157	2798.3426795933028	22.0462579933028	22.0462579933028
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620	23	16900	37598.8586730335	0069137102502676	-00.90090716402064	-00.6670224	535830.2890521424	4328187.5042781	2902.357871706673	2813.377704302086	2781.762042220652	2781.924746000748	31.6156521357608	31.4525643528039
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635	23	16915	47498.8586730335	0069137102502676	-00.90086329945768	-00.632155	538845.825435501	4328127.79904441	2880.928292819133	2793.724641252337	2755.11628091113	2754.851861984354	46.8038276	46.8038276
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637	23	16917	48818.8586730335	0069137102502676	-00.9008574725991	-00.627506	539247.894960353	4328119.8296037	2875.831422804107	2791.02845143143	2754.94760874921	2754.7299772476	48.080485565121	48.080485565121
638	23	16918	49478.8586730335	0069137102502676	-00.900854303814606	-00.6251815	539448.9289173296	4328115.95818712	2872.240695456	2789.655146027395	2755.1740926126195	2754.795400042806	48.34564521467408	48.34564521467408
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641	23	16921	51458.8586730335	0069137102502676	-00.90084341043098	-00.6182808	539978.4310729719	4328103.94224958	2868.440133975357	2785.471023828345	2756.89041255179	2756.897213213424	50.58197677555065	50.58197677555065
642	23	16922	52118.8586730335	0069137102502676	-00.900839501057374	-00.6158835	540263.065107703	4328099.9796748	2867.611608342767	2784.06419803347	2756.289929117852	2756.326772018076	51.27720525156244	51.27720525156244
643	23	16923	52778.8586730335	0069137102502676	-00.90083601312412	-00.613559	540454.098602201	4328096.01591749	2868.35446778575	2782.65399354597	2760.04085097467	2760.110249257195	52.6134257081994	52.6134257081994
644	23	16924	53438.8586730335	0069137102502676	-00.90083240023206	-00.6112345	540655.1323662167	4328092.40075384	2867.0662470450354	2781.2396702369156	2761.972789249139	2762.140254332147	52.6688049251674	52.6688049251674
645	23	16925	54098.8586730335	0069137102502676	-00.90082874256486	-00.6089101	540856.1659172546	4328088.07193738	2867.297380913214	2779.822850327855	2763.332948823919	2763.648383812149	53.69789738046232	53.69789738046232
646	23	16926	54758.8586730335	0069137102502676	-00.90082504	-00.6065896	541057.199812494	4328084.10259996	2865.284790593497	2778.451225593293	2762.410106786078	2762.692371884754	54.195001396	54.195001396
647	23	16927	55418.8586730335	0069137102502676	-00.9008214641539	-00.6042938	541263.5431972085	4328080.4549738	2864.440133975357	2784.06419803347	2756.289929117852	2756.326772018076	55.27720525156244	55.27720525156244
648	23	16928	56078.8586730335	0069137102502676	-00.90081749999342	-00.6019366	541459.2652571243	4328076.1615109555	2863.440133975357	2783.7816218189				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatHLogKgr.ft	SatHBothKgr.ft
731	23	17011	11808.85687307335	806917.3170250766	-39.09034621707166	-100.490905	378144.5573513364	4237747.342	2817.8983024722484	2627.903529	2627.169678	2627.015674126758	40.4385108107965	40.58785486903208
732	23	17012	11815.85687307335	806917.3170250766	-39.09033625903256	-100.490618	378345.5786005054	423773.347591509	2780.835214351611	2666.1908475773553	2627.501507656689	2627.38592570502162	38.6906771036647	38.80402502733371
733	23	17013	11821.85687307335	806917.3170250766	-39.090333914981262	-100.490436	378428.4329489484	423772.13623309747	2664.769712418886	2636.967738304134	2627.1336871573784	37.7172926146728	37.75517585450424	37.75517585450424
734	23	17014	11828.85687307335	806917.3170250766	-39.09032391203404	-100.490216	378476.6234620014	423771.3878157252	2776.7090381103365	2663.12508821414	2626.4934318543921	26.261791797417744	36.90891374653938	36.90891374653938
735	23	17015	11834.85687307335	806917.3170250766	-39.090315692567465	-100.3997071	378984.6464444126	423770.5342224403	2777.5241053287727	2661.8983413918822	2626.0250332883184	26.2651897907627	38.73308103663886	35.6464340111954
736	23	17016	11418.85687307335	806917.3170250766	-39.0903075849196875	-100.3973827	379149.6684252623	423772.757	2776.21737862774	2660.492967919225	2625.711857356811	26.2625101568244	34.7934924359124	34.7934924359124
737	23	17017	11418.85687307335	806917.3170250766	-39.09030015692567465	-100.3959582	379035.6902901528	423772.61613418	2774.5910550443782	2658.869393913604	2624.567584475984	26.26450628325924	34.42098915376194	33.24905185767966
738	23	17018	11547.85687307335	806917.3170250766	-39.09029232777501	-100.3927338	379551.172038862	423771.66133087	2773.607130012877	2657.91526645904	2621.648601606693	2624.7557371834237	35.8706636524475	32.76352824803635
739	23	17019	11618.85687307335	806917.3170250766	-39.090284489171762	-100.3904035	379752.733871879138	423770.782023177	2772.40114686955	2656.0382925971074	2620.4857313876513	2624.8047361811273	35.5525698926511	31.87716651785424
740	23	17020	11678.85687307335	806917.3170250766	-39.090275466773344	-100.388048	379563.751857085	423771.75233541	2770.342965362553	2654.549555	2622.90400554555	26.264575770843893	31.56549919212598	29.571180418040672
1	24	17021	-709847.1413	807577.3170250766	-39.08570119536761	-102.105893	371257.6814	430380.814223684	4038.817938733967	3886.1573565708964	3883.9482871635257	3883.6648588876227	21.84204703706295	24.99220083237647
2	24	17022	-702081.1413	807577.3170250766	-39.08572640509278	-102.1035122	315584.8375087608	430380.6768107813	4038.016847087314	3884.864601	3880.9524228732666	3880.915989991233	3.9178137302216	3.948802193366538
3	24	17023	-696921.1413	807577.3170250766	-39.085715569932256	-102.1011881	321760.0058	430380.7793903127	4038.2037776460767	3883.568337670092	3878.7685695197156	38.7926126807632	4.99789157037622	4.50621080271995
4	24	17024	-689861.1413	807577.3170250766	-39.0857766988598	-102.098864	319161.167666607	430380.9137103783	4039.65434912845	3882.26799532026	3878.45184840381247	38.7747616781828	3.811468840305336	4.520376558376938
5	24	17025	-683801.1413	807577.3170250766	-39.08580174955389	-102.096839	323162.3292553696	430380.6366071797	4031.041403291905	3880.366815095286	3873.98416022025	38.7602026131013	4.58403997308124	4.943620158815548
6	24	17026	-676741.1413	807577.3170250766	-39.08582679513559	-102.0942157	323263.4905183913	430380.7592172045	4042.368415970308	3879.567828120436	3874.541806620974	38.73436392072004	5.11497294064205	5.11039225034172
7	24	17027	-669681.1413	807577.3170250766	-39.08581780432165	-102.091816	323564.8155373408	430380.68527846	4044.16628	3878.34873904666	3872.78658972747	38.73308996434	5.1861783695962	5.613407396103412
8	24	17028	-66321.1413	807577.3170250766	-39.0858717084242	-102.089575	323765.812507268	430380.681	4037.038901752476	3871.209210394917	3871.871307264586	5.260670335956	5.22186787389496	5.22186787389496
9	24	17029	-656661.1413	807577.3170250766	-39.08590167163669	-102.087234	323966.9728037314	430380.529661019	4048.643708477927	3875.728300670996	3869.49084540822	38.70570178863274	6.234548262773715	5.5181251038322625
10	24	17030	-65001.1413	807577.3170250766	-39.08592646700448	-102.0849193	331168.13303511828	430380.453483357	4050.8824229238514	3874.4165681179215	3867.43350186572	38.69910727328904	6.9370137349423	5.3448053603212623
11	24	17031	-643431.1413	807577.3170250766	-39.0859217275706	-102.082951	333909.32900165205	430380.3974766615	4050.092994974335	3873.103941766232	3866.1393860619723	38.67806933693747	6.964380114290816	5.296760583
12	24	17032	-63681.1413	807577.3170250766	-39.0859760362309	-102.080271	333570.4527035438	430380.301640395	4043.245424849496	3871.790112819582	3864.462357241292	38.6515618949377	7.377755576699393	6.633395078038232
13	24	17033	-63021.1413	807577.3170250766	-39.08597172576174	-102.077437	333788.525794725	430380.216742438	4050.146169108073	3853.40565824448	3853.947891287142	38.51947891287142	7.81826373071074	6.48781124405376
14	24	17034	-623621.1413	807577.3170250766	-39.08602504096565	-102.075628	333972.713411697	430380.150479648	4051.57028397509	3869.16396952414	3862.87447834497	38.63725512163927	6.82841835042522	5.84385431345684
15	24	17035	-61701.1413	807577.3170250766	-39.08605004690314	-102.0732986	334173.9302233313	430380.075155156	4028.107317275613	3867.851230920726	3862.382479047577	38.63134633798663	6.949415448484	4.53639518
16	24	17036	-61041.1413	807577.3170250766	-39.08607462822494	-102.0709745	334375.08886658	430380.09001242	4027.019862114774	3866.538803486942	3862.369931253944	38.6323731088484	4.16887223299638	3.205096290579027
17	24	17037	-60381.1413	807577.3170250766	-39.08609461465968	-102.068504	334576.2473	430380.1925017095	4025.932161140022	3865.2286544131307	3862.1948724815575	38.6334660740713	38.6334660740713	3.722591265277225
18	24	17038	-59721.1413	807577.3170250766	-39.0861236602577	-102.0663262	334777.4053666614	430380.18500131	4024.844840279994	3863.91556119034	3862.484534349623	38.6321490282686	4.1310226403305176	0.39415136103255583
19	24	17039	-59061.1413	807577.3170250766	-39.08614810286978	-102.064023	334978.5292733322	430380.075269215	4023.68403695697	3862.4706302068587	3862.4706302068587	4.1310226403305176	0.39415136103255583	0.39415136103255583
20	24	17040	-58401.1413	807577.3170250766	-39.08617972576174	-102.061782	335178.72057542	430380.01902154	4021.40493274764	3861.29451510305	3862.173200719144	38.6317734993138	0.39415136103255583	0.39415136103255583
21	24	17041	-57741.1413	807577.3170250766	-39.08619686	-102.0593538	335380.871450513	430379.862790139	4019.482116426459	3859.3867360255	3861.28668396546	38.621647810985	0	0
22	24	17042	-57081.1413	807577.3170250766	-39.08622117353614	-102.0570297	335582.03521770694	430379.5526595665	4017.5547398511527	3858.672364355327	3860.00428586008	38.6063385	0	0
23	24	17043	-56421.1413	807577.3170250766	-39.0862454	-102.0547505	335783.1920159668	430379.478699524	4015.572925149975	3859.39388403757	3858.1913456424194	38.58858587938154	0	0
24	24	17044	-55761.1413	807577.3170250766	-39.0862696828062	-102.0523814	335964.3485503673	430379.40491012	4014.0167313016	3856.0442917166274	3855.963303714166	38.56272826405895	0.006988003	0
25	24	17045	-55011.1413	807577.3170250766	-39.08623904022779	-102.050049	336054.0048381196	430379.321591019	4011.275421120563	3856.274843131967	3854.510819734341	38.54927057884776	1.219598678515441	0.3940424679095937
26	24	17046	-54441.1413	807577.3170250766	-39.0862696828062	-102.047731	336278.525794725	430379.231854081	4009.146169108073	3853.40565824448	3853.947891287142	38.51947891287142	7.81826373071074	6.48781124405376
27	24	17047	-53781.1413	807577.3170250766	-39.0863426024777	-102.045049	336587.81681314802	430379.18456467	4007.157574891364	3852.89345081367	3848.289410438067	38.49236973576523	7.81826373071074	6.48781124405376
28	24	17048	-53121.1413	807577.3170250766	-39.0863610202851	-102.043048	336788.9721085032	430379.11457097	4005.0438265174	3850.7583721737	3845.4573305005525	38.46372119231267	5.30105217284448	4.387165224610271
29	24	17049	-525461.1413	807577.3170250766	-39.08639010072333	-102.0407607	336990.1273426929	430379.038520121	3994.691450412117	3849.42796830558	3842.5313154600476	38.49345092897311	6.89845145729811	5.93948183
30	24	17050	-51891.1413	807577.3170250766	-39.08641405363119	-102.0384365	337191.2823	430379.96373563	3988.338338174295	3848.102615	3839.39210225865	38.404501363501655	8.71133020296461	7.901251617754315
31	24	17051	-51141.1413	807577.3170250766	-39.08647396166396	-102.0361124	337392.4371283834	430379.8793156602	3983.3701114704203	3846.7775858529244	3836.2782403735546	38.40934547359622	9.327912952490319	8.71133020296461
32	24	17052	-50481.1413	807577.3170250766	-39.08646182477915	-102.0337882	337593.5915803024	430379.802730006	3977.732769031915	3845.45478689802	3833.425395140727	38.40934547359622	9.327912952490319	8.71133020296461
33	24	17053	-49821.1413	807577.3170250766	-39.0864901640048	-102.031599	337795.8907303585	430379.745676	3965.79053700882	3841.814204851062	3828.92450146987	38.37200146121652	15.89448269637	15.89448269637
34	24	17054	-49161.1413	807577.3170250766	-39.08653314487605	-102.0268157	338197.0533477982	430379.6472553	3959.576119398618	3841.494423685884	3823.4502841078456	38.3246904604412	18.90134769743747	17.969819624177586
35	24	17055	-48481.1413	807577.3170250766	-39.08655683	-102.0244916	338398.2067560577	430379.532732533	3940.176648513616	3840.176648513616	3820.45432650679	38.28442603184434		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurElevBoth.ft
117	24	17137	-294381.1413	80757.717120250766	39.08832612449547	-01.8362297	25680.7896	4330408.286938619	3751.2744641818526	376.865197309326	3625.89861290676	3626.149652332874	32.96687174564998
118	24	17138	-293721.1413	80757.717120250766	39.08834613	-01.8339055	254891.922043738	4330404.29149026	3748.865585	3676.235447	3625.61131054062	3625.834711067107	30.62413598134779
119	24	17139	-293061.1413	80757.717120250766	39.08836987380325	-01.8318784	256909.8452918643	4330400.17152926	3744.488176787432	3657.507291696822	3625.80138916651064	3626.0138916651064	47.583538938383455
120	24	17140	-292401.1413	80757.717120250766	39.08836987892181	-01.8225958	255294.18729749005	4330361.114075909	3735.18238727704	3670.960884027844	3625.694521257179	3625.9784207665866	45.25636270666494
121	24	17141	-291741.1413	80757.717120250766	39.0884058690976	-01.8269326	255495.9139807952	4330302.56069754	3731.80130667944	3668.296618435754	3622.514733683227	3622.3022970135894	45.78188478
122	24	17142	-291081.1413	80757.717120250766	39.08842658903657	-01.8246083	255696.4512219688	4330307.999590404	3725.457362081838	3665.637061490656	3619.586235323535	3618.809160044562	46.82546084510374
123	24	17143	-290421.1413	80757.717120250766	39.0884456727261	-01.8222841	255897.5828212647	4330383.94274928	3718.935826545793	3662.965397120988	3617.02869889193	3615.867217422368	45.9945212986321
124	24	17144	-289761.1413	80757.717120250766	39.088465200617854	-01.8199588	256088.7141788387	4330379.88597893	3712.236701420635	3660.285368495614	3614.8512827966627	3612.906423093037	46.1841458976396
125	24	17145	-289101.1413	80757.717120250766	39.08848468972254	-01.8176355	256299.8452918643	4330375.826978455	3708.530735	3657.602701	3613.0991147136197	3610.338817894078	45.50326579688036
126	24	17146	-288441.1413	80757.717120250766	39.0885045335746	-01.8151512	256500.9761698796	4330371.72247803	3698.834447004764	3654.909067285753	3610.7780171385359	3607.489105195628	47.4196209192939
127	24	17147	-287781.1413	80757.717120250766	39.08852413130833	-01.8128968	256702.10680337274	4330367.167688985	3684.15546807635	3652.207517996503	3608.4430781808027	3603.32984805022184	48.6776804842478
128	24	17148	-287121.1413	80757.717120250766	39.0885348650977	-01.810626	256903.23719617006	4330363.661	3691.486845884047	3649.49818	3605.3710739727317	3598.730148219293	50.76804225166097
129	24	17149	-286461.1413	80757.717120250766	39.0885348650977	-01.8083834	257104.3673482857	4330359.604674833	3688.812621868145	3647.87395528384	3601.5702751052058	3597.9782270881	48.80156772027385
130	24	17150	-285801.1413	80757.717120250766	39.0885265798016	-01.8060411	257305.4972592687	4330355.548923483	3686.154999482692	3644.054888759	3597.68401085538	3593.613661	46.37353803217093
131	24	17151	-285141.1413	80757.717120250766	39.0886026	-01.8038988	257506.6289312924	4330351.49341942	3679.8871897912153	3641.26730780151	3593.7052975818024	3588.5465113151894	52.68835766499177
132	24	17152	-284481.1413	80757.717120250766	39.08862145130612	-01.801365	257707.7656259216	4330347.49370024	3670.01707300496	3638.588888481494	3589.34867840253	3584.356762432594	49.23900750592345
133	24	17153	-283821.1413	80757.717120250766	39.0886478	-01.7990412	257908.885554032	4330343.36828621	3660.14733692717	3635.843876141594	3585.529731122248	3580.07077337385	51.14141491911414
134	24	17154	-283161.1413	80757.717120250766	39.08866007	-01.7967169	258110.1054580766	4330337.362761105	3650.277635570582	3633.0917155164448	3581.79722304963	3575.955484827852	53.2939321148185
135	24	17155	-282501.1413	80757.717120250766	39.08867934661139	-01.7943296	258311.1432181336	4330335.272717379	3644.950181299377	3630.3323213108085	3578.1351339748078	3572.48708133666878	52.1971873319991
136	24	17156	-281841.1413	80757.717120250766	39.08868496240339	-01.7920683	258512.27169121036	4330331.217881131	3644.164983119637	3627.565015115026	3574.518488211584	3568.58160346873	58.98397864
137	24	17157	-281181.1413	80757.717120250766	39.08871764902535	-01.789744	258713.39992524515	4330327.16318296	3643.378790970035	3621.91840779035	3571.1341934308438	3564.855551896	63.65429074
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139	24	17159	-279861.1413	80757.717120250766	39.08875290446958	-01.7854784	259115.6857898942	4330294.35401952	3638.1248944716424	3619.21047845813	3561.084682699754	3558.33522889805	67.1822127
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142	24	17162	-277881.1413	80757.717120250766	39.0888127446157	-01.7781225	259702.03176516922	4330306.93150396	3642.8940430428693	3610.7656803162624	3552.6622014582294	3547.384972917402	68.1034068503294
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155	24	17175	-269301.1413	80757.717120250766	39.0890546827906	-01.7479064	262333.667494839	4330254.21035984	3609.426903678206	3573.1892810583977	3479.1472605102426	3476.055418541545	97.1386337
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157	24	17177	-267981.1413	80757.717120250766	39.08909121072742	-01.7432578	262735.9147211717	4330247.18070263	3596.7728007293914	3568.95523915083	3456.523749172725	3452.89348378126	110.7612581
158	24	17178	-267321.1413	80757.717120250766	39.089109424305578	-01.7408334	262937.037865336	4330242.05880737	3590.4550698242	3561.3415609591634	3448.737626147310283	3445.57635474310283	117.7448177881351
159	24	17179	-266661.1413	80757.717120250766	39.08912786270784	-01.7384788	263138.1610131084	4330238.68787823	3593.1254719177	3544.884517649793	3441.4572982747	3438.737626147310283	118.7437370485422
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161	24	17181	-265341.1413	80757.717120250766	39.0891637582854	-01.7339605	263540.4066413586	4330239.90426041	3591.702778821977	3555.391154535927	3453.8201811747795	3450.847242245602	101.5079733114748
162	24	17182	-264681.1413	80757.717120250766	39.0891810329623	-01.7316361	263741.528785053	4330225.84594988	3591.473197568017	3549.83857668324	3457.739691826316	3452.76620884763	93.7316505471709
163	24	17183	-264021.1413	80757.717120250766	39.0891978587172	-01.7293118	263942.650876238	4330221.80438161	3591.5663954315157	3546.948658867925	3451.848387025499	3452.774453439199	85.7311335920741
164	24	17184	-263361.1413	80757.717120250766	39.0892172	-01.7269875	264143.173738822	4330217.74364816	3584.9880054482267	3546.3733280133	3458.13804949051	3465.3642631337884	77.5782411028212
165	24	17185	-262701.1413	80757.717120250766	39.08								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatThk	SatThkBoth.
243	1273	-211221.1413	807577.3170250766	39.09049293836512	-101.543362	280031.6791176175	4329898.341070562	3487.2299749359295	3295.235680911105	3383.5423440045126	3384.9519865207653	0	0	
244	1274	-210561.1413	807577.3170250766	39.09050728456812	-101.541076	280232.782596682	4329894.304632063	3482.8864201069527	3292.337	3386.642527195633	3387.86424	0	0	
245	1275	-209891.1413	807577.3170250766	39.09051258588358	-101.538715	280435.9038698179	4329890.28360461	3484.569652779764	3289.474172880276	3390.020951919254	3391.1705544045643	0	0	
246	1276	-209241.1413	807577.3170250766	39.090538442297164	-101.536387	280634.99005057945	4329896.232205062	3474.2053104489996	3286.6489274360174	3393.067317434019	3394.308553317657	0	0	
247	1277	-208681.1413	807577.3170250766	39.090550053816024	-101.5340643	280836.93024725563	4329882.196328528	3471.002965362747	3283.963285409317	3392.854018341671	3394.2036120133184	0	0	
248	1278	-207921.1413	807577.3170250766	39.09056420440115	-101.5317399	281037.19624711236	4329878.160565981	3468.938300191292	3281.195274226642	3383.951212524004	3385.34882249664	0	0	
249	1279	-207261.1413	807577.3170250766	39.09057834216943	-101.5294155	281238.29900385434	4329874.124972404	3466.876946756914	3278.419686031697	3379.1447352372726	3371.2849270900115	0	0	
250	1272	-206601.1413	807577.3170250766	39.09059241900391	-101.5270911	281439.454466836	4329870.09854787	3464.813595331263	3275.765844662986	3355.752833851703	3356.774533564575	0	0	
251	1271	-205941.1413	807577.3170250766	39.09061956594387	-101.524746	281640.5038698117	4329865.54292126	3461.419165227676	3273.161662594786	3342.072617744676	3343.049688372355	0	0	
252	1272	-205281.1413	807577.3170250766	39.090620437988335	-101.5224422	281841.6059794369	4329862.019	3456.69332622143	3270.693925918494	3325.525096589186	3330.50675925484	0	0	
253	1273	-204621.1413	807577.3170250766	39.090634380138205	-101.5201178	282042.7007873649	4329857.9842876345	3457.967584967575	3268.101179684837	3318.3304927271506	3313.912392965566	0	0	
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257	1277	-201981.1413	807577.3170250766	39.090698978821	-101.5108201	282847.11330220936	4329841.846305782	3434.7250661878143	3258.671098819618	3292.699369200479	3293.621664176118	0	0	
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263	1283	-198021.1413	807577.3170250766	39.0907713241189	-101.4968738	284053.7150207776	4329817.644399945	3421.176069337796	3246.208698076334	3281.197437355175	3280.7890596776	0	0	
264	1284	-197361.1413	807577.3170250766	39.090784678071618	-101.494549	284254.8145660359	4329813.611340021	3412.874422393616	3244.01668553598	3281.610476579403	3281.331721807819	0	0	
265	1285	-196701.1413	807577.3170250766	39.09079844125237	-101.492147	284460.9188870903	4329808.78484948	3404.5736927170353	3242.932871413131	3280.66291967806	3280.58988196706	0	0	
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268	1288	-194721.1413	807577.3170250766	39.09083812498107	-101.4852514	285059.2106923003	4329797.480788765	3377.80579	3237.438454	3290.30420212675	3289.6166448773014	0	0	
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275	1295	-190101.1413	807577.3170250766	39.09092974897441	-101.4689803	286466.895493214	4329769.258823421	3338.514527866863	3226.893439019036	3262.507220399789	3259.661617567017	0	0	
276	1296	-189441.1413	807577.3170250766	39.09094265853457	-101.4666559	286667.9624922377	4329765.27789221	3333.4676525191544	3225.530193783884	3256.053662820135	3251.829221799568	0	0	
277	1297	-188781.1413	807577.3170250766	39.09095552319924	-101.4643314	286869.089802487	4329761.1963377	3328.420771714464	3224.202438695997	3250.018975486267	3254.994908673716	0	0	
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286	1296	-182841.1413	807577.3170250766	39.0910692857884	-101.443114	288695.9500448026	4329724.95277968	3279.0219565227798	3213.479623936188	3212.4767892921946	3215.29620791593	0	0	
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289	1299	-180861.1413	807577.3170250766	39.09110637323664	-101.4364381	289282.2345086237	4329717.836997342	3254.708048398919	3210.373325	3214.5454134505612	3202.81872216277	0	0	
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294	1294	-177561.1413	807577.3170250766	39.0911673346992	-101.42									

ix	iy	x	Y	X.F	Y.F	Latitude	Longitude	UTM-X	UTM-Y	SurElev.F	W.Lt.	BRIElevLogs.Kg.F	BRIElevBoth.Kg.F	SatThLogs.F	SatThBoth.F	
369	24	17389	-128061.1413	807577.3170250766	39.09194701	-101.2504797	305369.1214335014	42393991.0782589115	3292.3455606952307	3161.843450499774	3190.057836755504	3199.2514876838013	0			
370	24	17390	-127401.1413	807577.3170250766	39.09155695703566	-101.2481552	305570.1955500404	4239397.63	3287.3459367865944	3161.055980403128	3197.985094810623	3197.386700819243	0			
371	24	17391	-126741.1413	807577.3170250766	39.09163440096968	-101.2458327	305771.2747662657	4239393.048919897	3282.0142564867537	3160.2538458100457	3198.1320933219085	3177.6880718548168	0			
372	24	17392	-126081.1413	807577.3170250766	39.091723959027	-101.2435062	305972.3521166347	4239379.033152502	3277.7555547078373	3159.4368542952433	3193.9350227206427	3192.75518926596	0			
373	24	17393	-125421.1413	807577.3170250766	39.09198148418669	-101.2411871	306173.4327505948	4239375.014831414	3273.0284810408578	3158.6048184113197	3180.833483368881	3190.124692510958	0			
374	24	17394	-124741.1413	807577.3170250766	39.09199000389966	-101.2385572	306374.5120259649	4239371.030919814	3268.30140713350578	3157.7582606054477	3177.993364033683	3186.865135051481	0			
375	24	17395	-124101.1413	807577.3170250766	39.0919846869102	-101.2365327	306575.5873730784	4239366.98565495	3266.178802952495	3156.88663719899	3175.060745	3183.91673466102	0			
376	24	17396	-123441.1413	807577.3170250766	39.0920068859488	-101.2342082	306776.6643643465	4239362.975361185	3266.606886105246	3156.027335504454	3171.967579835015	3180.87778661732974	0			
377	24	17397	-122781.1413	807577.3170250766	39.09201526361025	-101.2318387	306977.7411297255	4239358.361333879	3264.2142564867537	3155.142728895346	3168.921645896954	3177.6880718548168	0			
378	24	17398	-122121.1413	807577.3170250766	39.092023937101	-101.2295592	307178.8177233607	4239354.947474567	3267.8244419200802	3154.2460278814138	3165.845483553475	3174.437278704854	0			
379	24	17399	-121461.1413	807577.3170250766	39.09203187892143	-101.2272346	307397.89412748103	4239350.833783241	3267.9422831693146	3153.3370939252495	3162.7512742467416	3171.138310308781	0			
380	24	17400	-120801.1413	807577.3170250766	39.09204011923519	-101.2249101	307580.97042328715	4239346.025029592	3268.0960881130063	3152.4162024	3159.6469803306544	3167.8039195103565	0			
381	24	17401	-120141.1413	807577.3170250766	39.09204831465139	-101.2225856	307782.0463679859	4239342.906804514	3268.2983093566885	3151.483610951401	3156.3204298113396	3164.071923625307	0			
382	24	17402	-119481.1413	807577.3170250766	39.09205645179004	-101.2202611	307983.122044711	4239338.937717011	3268.4036990024020	3150.5398433926427	3153.2069960613256	3161.76071764702	0			
383	24	17403	-118821.1413	807577.3170250766	39.09206457079105	-101.2179366	308184.19765267815	4239334.881	3268.249627412305	3149.5842419402447	3150.074636652596	3157.165714935387	0			
384	24	17404	-118161.1413	807577.3170250766	39.09207263151447	-101.2156121	308385.2733124781	4239330.86746126	3267.787672747717	3148.6186088179673	3146.923342807114	3153.6833913925733	1.6932640092550268			
385	24	17405	-117501.1413	807577.3170250766	39.09208064734029	-101.2132876	308586.3486387885	4239326.85162554	3266.83751817078	3147.637699528818	3143.72607996722	3150.514683	3.91126253094643			
386	24	17406	-116841.1413	807577.3170250766	39.09208861826844	-101.2109631	308787.4237	4239322.842646912	3266.85735635015	3146.64790396379	3140.456066641494	3146.919451982331	6.191942743960471			
387	24	17407	-116181.1413	807577.3170250766	39.09209654243983	-101.2086386	308988.496623575	4239318.830299192	3266.461640802322	3145.467788535273	3143.19086033663	3142.830717710163	8.658988220464514	2.717010682511045		
388	24	17408	-115521.1413	807577.3170250766	39.09210442543178	-101.206314	309140.14253710246	4239316.118119392	3266.113651589992	3144.678276756263	3143.7191213104384	3139.1147521671618	10.552307505846489	5.523207505846489		
389	24	17409	-114861.1413	807577.3170250766	39.09211206366691	-101.2038959	309390.6477902201	4239310.80617497	3265.77708951567	3143.6186933407	3140.3634528346183	3134.28740589788575	12.3525040589788575	8.789967535778032		
390	24	17410	-114201.1413	807577.3170250766	39.09212005300435	-101.201685	309599.72211274873	4239306.734265302	3265.4381487387283	3142.591798144883	3126.4724680038	3130.6142886115335	16.1197373435923	11.97690830343372		
391	24	17411	-113541.1413	807577.3170250766	39.09212864480296	-101.1993489	309799.2732733196	4239302.64650272	3265.22857016163	3142.703310708713	3111.415868419175	3125.96851329142	18.441772854262534	15.45695262301124		
392	24	17412	-112881.1413	807577.3170250766	39.0921355009608	-101.197016	309963.870220189	4239297.771079182	3262.105072029135	3140.513642180617	3117.882481569385	3121.267480070727	22.6211602578035	19.2461741089035		
393	24	17413	-112221.1413	807577.3170250766	39.09214315763033	-101.1948915	310194.84900031773	4239294.76	3259.998331187716	3139.4649693443203	3113.039477272324	3115.9629027491757	24.4254917170878	23.520478589145415		
394	24	17414	-111561.1413	807577.3170250766	39.092150769376636	-101.1923669	310396.0175862475	4239290.745661369	3259.835959460036	3138.411205933003	3107.74560827718	311.1093646933962	30.665597925285056	28.3014812506337		
395	24	17415	-110901.1413	807577.3170250766	39.09215832625545	-101.1900424	310597.0908593204	4239288.73676157	3255.604883755335	3137.3536757348293	3101.9790607184013	3103.6484757562134	35.3746510642796	33.70519997861584		
396	24	17416	-110241.1413	807577.3170250766	39.09216588176486	-101.1877719	310798.1641955505	4239282.726724998	3253.1331954073817	3136.2933053095066	3096.930381038173	3106.754887380304	40.3629427133367	39.53841792917092		
397	24	17417	-109681.1413	807577.3170250766	39.09217385329662	-101.185384	310999.2732733196	4239280.64650272	3252.72857016163	3135.2382692964942	3090.842481467168	3106.754887380304	42.390836895707193	44.141772854262534		
398	24	17418	-108921.1413	807577.3170250766	39.09218102984847	-101.1830619	311200.3190484817	4239274.750599115	3248.189819471717	3134.105699175117	3090.6896228494946	3096.33932432893	44.184814842889487	43.82624324984524		
399	24	17419	-108261.1413	807577.3170250766	39.09218815464264	-101.1807443	311401.38272620697	4239270.695521768	3246.65138491357	3133.09909607938	3095.122005641334	3095.035957161524	47.97700441526423	38.056493817874075		
400	24	17420	-107601.1413	807577.3170250766	39.09219518700211	-101.1784198	311602.4559717061	4239266.608621374	3246.0462037667185	3132.03195054134	3104.17231432269	3100.490212875232	31.0969491617744	31.0969491617744		
401	24	17421	-106941.1413	807577.3170250766	39.09220273446391	-101.1760953	311803.52748418937	4239263.67058731	3245.441022619903	3130.966273545463	3104.46967404264	3104.7275521136467	26.49660126028205	26.23872340899162		
402	24	17422	-106281.1413	807577.3170250766	39.09221004702782	-101.1737708	312004.5998585891	4239258.65228295	3244.83564171301	3129.902853616722	3107.8546467545493	3108.1249972067265	21.40220688728625	21.40220688728625		
403	24	17423	-105621.1413	807577.3170250766	39.0922172458397	-101.1714483	312205.6715025203	4239254.656	3242.9320526505915	3128.641083777598	3110.01031120119	310.565250680074	18.8307128511931	18.28857363054025		
404	24	17424	-105021.1413	807577.3170250766	39.09222442	-101.1691717	312406.7432557736	4239250.64650272	3242.72857016163	3127.703310708713	3111.415868419175	3106.754887380304	20.4562533851706	20.4562533851706		
405	24	17425	-104401.1413	807577.3170250766	39.09223153532324	-101.1667872	312607.814780433	4239246.636746269	3242.572144247174	3126.732705292083	3119.93293432174	3112.234557786139	22.4891288510907	22.4891288510907		
406	24	17426	-103641.1413	807577.3170250766	39.0922386030456	-101.1644727	312808.8681484554	4239242.67567609	3242.32467383816	3125.692247115907	311.8890734105644	311.028055529185	13.79471404102634	13.79471404102634		
407	24	17427	-102981.1413	807577.3170250766	39.09224563378934	-101.1621482	313009.9573216694	4239238.612967917	3232.98474496486	3124.63645678094	3111.281854548486	3111.281854548486	13.79471404102634	13.79471404102634		
408	24	17428	-102321.1413	807577.3170250766	39.09225261955534	-101.1598236	313211.028325621	4239234.609773381	3235.516051258767	3123.648055	3110.4376171968065	3110.276321240366	13.79471404102634	13.79471404102634		
409	24	17429	-101681.1413	807577.3170250766	39.09225955783306	-101.1574991	313412.0913995606	4239230.601118198	3234.850453068387	3122.645309951384	3109.0986032305067	3109.0986032305067	13.79471404102634	13.79471404102634		
410	24	17430	-101001.1413	807577.3170250766	39.09226646	-101.1551746	313613.1677047984	4239226.593503558	3234.5072854879903	3121.65918996868	3107.498195731429	3107.2893643911247	14.60994322565038	14.60994322565038		
411	24	17431	-100421.1413	807577.3170250766	39.09227394096785	-101.152834	313814.2492180328	4239222.64650272	3234.2142564867537	3120.732432488713	3106.4308432681694	3106.4308432681694	15.16437378040304	15.16437378040304		
412	24	17432	-99681.1413	807577.3170250766	39.09228010321828	-101.1505525	314015.3104828162	4239216.75158472	3240.026186769953	3119.72826597381	3103.36230950047	3103.36230950047	16.1992433998406	16.1992433998406		
413	24	17433	-99021.1413	807577.3170250766	39.0922868619774	-101.148201	314216.380656381	4239214.586724011	3238.818940487311	3118.7829327698887	3107.787884	3107.9884313113				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEveLogKgr.ft	BRIEveBothKgr.ft	SatBothKgr.ft
496	24	17515	-44901.14133	80757.7172025076	-30.0268828526803	-100.9575887	330703.5257265949	4238886.48340868	3128.5754076989706	291.0712689119079	2930.8790877226124	2932.358888447066	61.033801396466565
496	24	17516	-44241.14133	80757.7172025076	-30.02691917326296	-100.9555241	330904.5813688314	4238882.459623917	3125.599582263817	2900.46290432171	2926.466199600975	2929.75983424781	61.81670452361369
497	24	17517	-4381.14133	80757.7172025076	-30.02694322237	-100.9526986	331105.6386496744	4238876.5198414683	3124.6237683587424	2907.7792372343	2927.0398571933658	2932.6889654687164	61.157891411588965
498	24	17518	-42921.14133	80757.7172025076	-30.0269724691643	-100.9505615	331066.9751374187	4238870.501665818	3119.6479314023974	2907.574377897635	2924.4061106427710	2924.93511627298	63.6306237033687
499	24	17519	-42261.14133	80757.7172025076	-30.02700144334396	-100.9482905	331507.7473040251	4238870.50866195	3116.618055362429	2986.31144433271	2922.7273487816506	2923.082467409015	63.043796551620385
500	24	17520	-41601.14133	80757.7172025076	-30.026929685499	-100.9455659	331708.8022859135	4238876.51462589	3113.53681235811675	2987.758499758	2921.214617385993	2921.43312	63.4731411375954
501	24	17521	-40941.14133	80757.7172025076	-30.0270084047563	-100.9436414	331909.8571032675	4238862.52138592	3110.450193509907	2983.24306869127	2919.888166837785	2919.940544	63.355140031387326
502	24	17522	-40281.14133	80757.7172025076	-30.02708567199104	-100.9413168	332101.9118561807	4238858.528944115	3107.366234384665	2981.7974387483916	2918.6343781323567	2918.633508125926127	63.1635061603496
503	24	17523	-3961.14133	80757.7172025076	-30.027112803237	-100.9388923	332211.9665449911	4238854.535371108	3104.5302105176824	2980.34969442306	2917.374765782928	2917.192277011476	62.97519865468104
504	24	17524	-38961.14133	80757.7172025076	-30.027139746806	-100.9366677	332513.026698383	4238850.546016758	3102.002437470154	2978.90722609145	2916.1261190184756	2915.871315567117	62.77453244238878
505	24	17525	-38301.14133	80757.7172025076	-30.027165859721	-100.9343432	332714.07480393534	4238845.55025738	3099.45385897681	2977.449567416455	2914.7974628136343	2914.6520646608116	62.6741102341366
506	24	17526	-37641.14133	80757.7172025076	-30.0271917	-100.9320186	332915.12828482	4238842.55706963	3096.905382305681	2975.99623922361	2913.559921018699	2913.300681667266	62.61965565563461
507	24	17527	-36981.14133	80757.7172025076	-30.027217032711	-100.929694	333116.1826626817	4238838.56553139	3094.18242749307	2974.50851843536	2912.386015724373	2912.1029559185836	62.154836119163065
508	24	17528	-36321.14133	80757.7172025076	-30.027242065622	-100.9273695	333317.2363334782	4238834.572633374	3091.284091185917	2973.0831745601918	2911.305008638162	2911.307816522029964	62.04880785216574
509	24	17529	-35661.14133	80757.7172025076	-30.027264969646	-100.9250449	333518.2986417555	4238830.581342548	3088.395508503787	2971.523342651468	2910.3549774983691	2910.9435691504847	61.72256761804196
510	24	17530	-35001.14133	80757.7172025076	-30.02729052817834	-100.9227704	333719.3431872718	4238826.589589587	3085.4874205571764	2970.161806690307	2909.251623655026	2908.94359649082	60.91018314004815
511	24	17531	-34341.14133	80757.7172025076	-30.02733111250355	-100.9203958	333920.3963701405	4238822.58	3083.626173428606	2968.69943850569	2907.8905047481635	2907.680127478454	60.82892024032356
512	24	17532	-33681.14133	80757.7172025076	-30.027332498403	-100.9180713	334121.4493096734	4238818.60681643	3081.634164506408	2967.7372942919146	2906.900734327227	2905.9006475083133	61.1372879647186
513	24	17533	-33021.14133	80757.7172025076	-30.0273598381881	-100.9157467	334322.5022491159	4238814.61532805	3080.018757788385	2965.779547178662	2903.360522803499	2903.318373003626	61.42477098
514	24	17534	-32361.14133	80757.7172025076	-30.0273821775474	-100.9134222	334523.5549	4238810.400422685	3078.10049906927	2964.3311502482403	2909.7741650361972	2909.7741650361972	61.645386274563482
515	24	17535	-31701.14133	80757.7172025076	-30.0274362971907	-100.9110976	334724.60748043703	4238806.63329295	3076.249155841596	2962.909266	2908.199289435464	2906.08448803017	61.6678976547018
516	24	17536	-31041.14133	80757.7172025076	-30.0274730529794	-100.9087371	334925.6959537377	4238802.65470465	3074.346028313145	2961.546032489537	2904.07134738796	2903.993789176847	61.6689816110775
517	24	17537	-30381.14133	80757.7172025076	-30.027512016821	-100.9064891	335124.3767144865	4238796.78954547	3072.34648985149	2960.025817867387	2903.025817867387	2903.025817867387	61.671389143438255
518	24	17538	-29721.14133	80757.7172025076	-30.0274665450954	-100.9041238	335327.761566169	4238794.61566169	3068.10027325042	2959.05156	2905.06789540424	2905.115229378	61.9338361169479
519	24	17539	-29061.14133	80757.7172025076	-30.027486385114	-100.9017994	335528.810066549	4238790.77134315	3065.129025951462	2957.772642350353	2906.352006310043	2906.35846636006	61.67418029002943
520	24	17540	-28401.14133	80757.7172025076	-30.0275061849375	-100.8994748	335729.867538513	4238786.681229311	3061.884158870184	2956.546557189347	2907.420549836302	2907.420549836302	59.12600735309252
521	24	17541	-27741.14133	80757.7172025076	-30.0275258137446	-100.8971503	335930.919304829	4238782.681	3058.6392917889625	2955.327264336963	2907.912175403781	2907.912175403781	57.14588892632545
522	24	17542	-27081.14133	80757.7172025076	-30.027543288227	-100.8948257	336131.9707138847	4238778.70159826	3055.394427005948	2954.09948487358	2906.216043485263	2906.216043485263	55.61870213223483
523	24	17543	-26421.14133	80757.7172025076	-30.02756217281255	-100.8925918	336333.92116818791	4238774.78195327	3054.32468498514	2952.945639937478	2904.812245268943	2904.812245268943	53.92459391424683
524	24	17544	-25761.14133	80757.7172025076	-30.02758107676	-100.8901766	336534.07350545	4238770.725517643	3048.101000142074	2951.72255745	2903.947836712198	2903.947836712198	53.73308378155245
525	24	17545	-25101.14133	80757.7172025076	-30.0276117723204	-100.8878521	336735.1239794571	4238766.73306773	3045.4870059118603	2950.414392001617	2906.8505639977616	2907.0229305402334	53.5362820238014
526	24	17546	-24441.14133	80757.7172025076	-30.02761402872355	-100.8855275	336936.174789514	4238762.744222703	3042.10371190993	2949.179425243623	2905.68171446245	2905.7894243081171	53.3899740060495
527	24	17547	-23781.14133	80757.7172025076	-30.0276304312259	-100.8832029	337137.225391903	4238758.75505428	3038.77056025186	2947.040606701056	2904.29227268999	2904.29227268999	53.64688780110646
528	24	17548	-23121.14133	80757.7172025076	-30.02764638473916	-100.8808784	337338.1782103773	4238754.76554939	3035.379539	2946.689544870766	2902.818159314288	2902.818159314288	53.8038517467459
529	24	17549	-22461.14133	80757.7172025076	-30.0276619	-100.878538	337539.32610721	4238750.77917223	3031.835221990489	2945.449470205989	2901.6807530363	2901.6807530363	52.74578513536
530	24	17550	-21801.14133	80757.7172025076	-30.027679847974	-100.8762293	337740.3767	4238746.78954547	3028.324684985149	2942.92447705387	2900.025817867387	2900.025817867387	51.2528143438255
531	24	17551	-21141.14133	80757.7172025076	-30.02769811514285	-100.8738047	337941.42621167103	4238742.801304902	3024.928973191606	2940.289961072224	2903.31687529494	2903.31687529494	50.6121534278026
532	24	17552	-20481.14133	80757.7172025076	-30.02770578989	-100.8715802	338142.47026935	4238738.61220567	3026.2415087158765	2941.6606874747085	2903.698849480317	2903.698849480317	49.78002526676835
533	24	17553	-19821.14133	80757.7172025076	-30.0277194174653	-100.8692556	338343.525687871	4238734.30259636	3025.98463815404	2940.387176690754	2903.8689512189617	2903.8689512189617	48.652247179245
534	24	17554	-19161.14133	80757.7172025076	-30.0277326770425	-100.866931	338544.571888546	4238730.387554011	3023.727858641171	2939.108294240571	2903.70216991722	2903.691484395087	45.40627541384916
535	24	17555	-18501.14133	80757.7172025076	-30.0277454876303	-100.8646065	338745.6243320415	4238727.965949781	3022.966597481856	2937.823832405284	2903.213462723473	2903.213462723473	44.6269699081707
536	24	17556	-17841.14133	80757.7172025076	-30.02775754522864	-100.8622219	338946.673185312	4238722.86525471	3020.700904227474	2936.53394784133	2902.530940410225	2902.530940410225	44.00265343110676
537	24	17557	-17181.14133	80757.7172025076	-30.0277761908768	-100.860001	339153.745891704	4238718.737474694	3018.737474694	2934.8491376863	2901.81737474694	2901.81737474694	43.3881458437195
538	24	17558	-16521.14133	80757.7172025076	-30.0277912254567	-100.8578328	339348.7716350785	4238714.88212367	3016.165026232707	2933.96371088057	2901.6547593324	2901.6547593324	42.8677303743583
539	24	17559	-15861.14133	80757.7172025076	-30.027792020865	-100.8553083	339549.820344636	4238710.901	3014.2474373026956	2932.628919065497	2900.768830825937	2900.768830825937	42.3510771498747
540	24	17560	-15201.14133	80757.7172025076	-30.027802085799	-100.8529837	339750.668929933	4238706.91552539	3013.31471400673	2930.66895069956	2901.31471400673	2901.31471400673	41.6118962845159
541	24	17561	-14541.14133	80757.7172025076	-30.0278192232737	-100.8506591	339951.9712950813	4238702.9719213	3013.049303907276	2929.85039307276	2900.730622595722	2900.730622595722	40.2638211355424
542	24	17562	-13881.14133	80757.7172025076	-30.0278225900388	-100.8483346	340152.965541028	4238698.941555816	3012.4120894214	2928.662953543785	2900.163516642357	2900.163516642357	38.37791716052467
543	24	17563	-13221.14133	80757.7172025076	-30.02783619087104	-100.							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
621	24	17641	38258.8586730335	70757.7170250766	-00.90271675280539	-00.66469486	35605.3010438548	4238384.540087887	2885.4632558183785	21.12524652037448	2779.505964118596	2778.997832514509	32.9483012	33.4454372953914
622	24	17642	38191.8586730335	70757.7170250766	-00.90271412765617	-00.662203	35626.3375466864	4238390.567497486	2904.0918613905	21.10668474137907	2776.794536941123	2779.7108341397	34.19231047256749	34.70739472421646
623	24	17643	38187.8586730335	70757.7170250766	-00.90271467808175	-00.6600458	35647.3737288914	4238395.455635367	2899.5673222991387	21.134570902153	2774.708466203214	2778.9846818722	35.2418632909174	35.86781809818727
624	24	17644	40238.8586730335	70757.7170250766	-00.90270874266135	-00.657209	35638.4098636401	4238372.671748185	2900.1612506225556	21.1037623272943	2771.362362457122	2771.340564567544	36.7135853388203	36.8218096183968
625	24	17645	40898.8586730335	70757.7170250766	-00.902705982815666	-00.6553964	35683.94548581781	4238368.6491214	2898.48107	21.10521885505	2769.721475658295	2769.66058394179	37.0720343867131	37.37232312035316
626	24	17646	41558.8586730335	70757.7170250766	-00.9027031780121	-00.6530718	35704.48173176315	4238365.76175585	2896.520688119444	21.105362214396	2767.104958538717	2766.844582327506	38.61934015193083	38.86193401519308
627	24	17647	42287.8586730335	70757.7170250766	-00.90270302842789	-00.6507472	35742.51730436415	4238360.70443985	2894.768427007483	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
628	24	17648	42878.8586730335	70757.7170250766	-00.90269743	-00.6484227	35741.5533008334	4238362.73230233	2892.732475858496	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
629	24	17649	43538.8586730335	70757.7170250766	-00.9026944444891	-00.6460918	35643.58844881584	4238352.70371584	2891.7054657029447	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
630	24	17650	44158.8586730335	70757.7170250766	-00.90269151010373	-00.6437738	35744.6238494783	4238346.78	2890.289616219546	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
631	24	17651	44858.8586730335	70757.7170250766	-00.9026884086524	-00.641449	35804.6501292546	4238344.81869878	2889.238958	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
632	24	17652	45518.8586730335	70757.7170250766	-00.902685406727945	-00.6391245	35826.6403683754	4238340.54518963	2888.90252069074	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
633	24	17653	46178.8586730335	70757.7170250766	-00.9026827891898	-00.6367999	35847.7282663574	4238336.87423338	2886.5506869604	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
634	24	17654	46838.8586730335	70757.7170250766	-00.90267912375078	-00.6344754	35864.763772917	4238332.90	2886.228151362936	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
635	24	17655	47498.8586730335	70757.7170250766	-00.90267614923475	-00.6321508	35888.79920976945	4238328.93216132	2886.3508846896	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
636	24	17656	48158.8586730335	70757.7170250766	-00.902672651191116	-00.6298263	35900.6327672058	4238324.811373827	2882.933582832813	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
637	24	17657	48818.8586730335	70757.7170250766	-00.9026693	-00.6275017	35925.816706854	4238320.990751978	2879.15620890751978	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
638	24	17658	49478.8586730335	70757.7170250766	-00.9026661903015	-00.6251772	35945.9013101308	4238317.02026118	2876.098179124533	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
639	24	17659	50138.8586730335	70757.7170250766	-00.90266263061566	-00.6228526	35963.353786904	4238310.0508021	2873.97807580037	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
640	24	17660	50798.8586730335	70757.7170250766	-00.9026591972744	-00.6205281	35985.4690375194	4238303.99892084	2871.1561656345	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
641	24	17661	51458.8586730335	70757.7170250766	-00.9026561904818	-00.6182035	36006.00301021746	4238300.10993272	2872.333251210334	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
642	24	17662	52118.8586730335	70757.7170250766	-00.90265219593241	-00.615879	36027.0367107121	4238291.10131273	2871.015086387467	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
643	24	17663	52778.8586730335	70757.7170250766	-00.9026494444891	-00.613554	36048.736901485	4238282.70371584	2869.7054657029447	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
644	24	17664	53438.8586730335	70757.7170250766	-00.9026450145777005	-00.6112299	36069.1036724156	4238283.201043673	2873.579151049683	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
645	24	17665	54098.8586730335	70757.7170250766	-00.90264135715681	-00.6089053	36080.138925717	4238279.27148558	2875.2622875324674	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
646	24	17666	54758.8586730335	70757.7170250766	-00.902637654437205	-00.6065808	36106.170043186	4238285.26629127	2876.927384015272	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
647	24	17667	55418.8586730335	70757.7170250766	-00.90263390681881	-00.6042562	36126.203	4238281.29355146	2876.791301205987	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
648	24	17668	56078.8586730335	70757.7170250766	-00.90263011430196	-00.6019317	36143.2358750253	4238277.3485738	2874.87416478187	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
649	24	17669	56738.8586730335	70757.7170250766	-00.902626789829	-00.6000018	36164.26698218	4238273.3245738	2872.946681113673	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
650	24	17670	57398.8586730335	70757.7170250766	-00.9026230758175	-00.5977258	36185.3011695085	4238269.37749458	2872.02159042382	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
651	24	17671	58058.8586730335	70757.7170250766	-00.90261846759074	-00.594958	36206.3361584647	4238265.41945884	2869.709784675147	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
652	24	17672	58718.8586730335	70757.7170250766	-00.9026144524745	-00.5926335	36227.369284235	4238261.45132012	2867.669754820164	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
653	24	17673	59378.8586730335	70757.7170250766	-00.90261047823719	-00.5903089	36248.3981074905	4238257.48335867	2868.710105940117	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
654	24	17674	60038.8586730335	70757.7170250766	-00.902606416238216	-00.5879844	36269.401532554	4238253.51551432	2868.183026869603	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
655	24	17675	60698.8586730335	70757.7170250766	-00.90260239502709	-00.5856958	36280.462059193	4238249.547913892	2868.051371895907	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
656	24	17676	61358.8586730335	70757.7170250766	-00.90259815781465	-00.5833353	36291.4935457281	4238245.58041143	2867.41580170492	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
657	24	17677	62018.8586730335	70757.7170250766	-00.90259398120981	-00.5810108	36302.5275492764	4238241.81312524	2866.758595214177	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
658	24	17678	62678.8586730335	70757.7170250766	-00.9025891970553	-00.5786862	36313.5570073474	4238237.64594575	2866.72324232225	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
659	24	17679	63338.8586730335	70757.7170250766	-00.90258543304585	-00.5763617	36334.588389604	4238233.070195415	2866.2150728199	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
660	24	17680	63998.8586730335	70757.7170250766	-00.90258110200405	-00.5740371	36355.618688916	4238229.71210163	2866.12630491415	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
661	24	17681	64658.8586730335	70757.7170250766	-00.9025769258492	-00.5717126	36376.6507582445	4238225.74556447	2866.03683984714	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
662	24	17682	65318.8586730335	70757.7170250766	-00.90257230477027	-00.569338	36397.68174445975	4238221.73989529	2865.945131870522	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
663	24	17683	65978.8586730335	70757.7170250766	-00.90256813781086	-00.5670018	36418.736901485	4238217.3485738	2865.850170492	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
664	24	17684	66638.8586730335	70757.7170250766	-00.9025637821612	-00.5647389	36439.74733410825	4238213.8466059	2865.76457172033	21.10415291885505	2764.961055087842	2764.721475658295	39.0137882	39.4293024304667
665	24	17685	67298.8586730335	70757.7170250766	-00.90255877022277	-00.5624414	36460.773917005	4238209.806467755	2865.6653692051	21.10415291885505	2764.961055087842	2764.7214756582		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.	BRELEVBothKrg.	SatHtLogKrg.	SatHtBothKrg.
7	25	17767	-369881.1413	808237.3170250766	39.087866242249161	-102.09191236	232568.7343	4310566.9695260295	3871.621094482077	3871.6203581901534	3871.3579076141397	3871.6203581901534	3871.6203581901534
8	25	17768	-366321.1413	808237.3170250766	39.087869165323236	-102.0899959	232769.8498900856	43042.562696336925	3876.71260589149	3868.465642	3870.1387191344775	7253.166671483448	6.580541463711597
9	25	17769	-368701.1413	808237.3170250766	39.087714081468564	-102.087263	232971.0552100148	431024.815886977	3873.414033118927	3867.4090344537461	3868.5294343547619	6.58054086489055	6.58054086489055
10	25	17770	-365001.1413	808237.3170250766	39.08773891275242	-102.0849517	233172.512643742	431044.7394303427	3874.04458102165544	3874.07160777789	3865.046603116617	3866.728355050974	6.58054086489055
11	25	17771	-364341.1413	808237.3170250766	39.087763197131644	-102.0826269	233373.3705454362	431040.6631633835	3872.4067437912746	3872.800562328052	3863.404572287746	3866.066234935106	6.58054086489055
12	25	17772	-363681.1413	808237.3170250766	39.0877848062363	-102.0803027	233574.53457948228	431037.5607627423	3873.576038959126	3861.530329079768	3861.3211270411347	6.58054086489055	6.58054086489055
13	25	17773	-363021.1413	808237.3170250766	39.08781319722832	-102.0779786	233775.6938408966	431032.5511	3870.1868237072426	3860.2458831014837	3861.01952034171	6.58054086489055	6.58054086489055
14	25	17774	-362621.1413	808237.3170250766	39.08783786894562	-102.0756544	233976.6238466412	431032.435	3872.78625399149	3868.88075164586	3869.2618579777963	3860.090791205819	6.58054086489055
15	25	17775	-361701.1413	808237.3170250766	39.08786246977554	-102.0733052	234176.6115689857	431024.358980566	3873.95704710718976	3869.570470718976	3869.4816270158407	3859.402276770385	6.58054086489055
16	25	17776	-361041.1413	808237.3170250766	39.08787077771802	-102.071006	234379.170037328	431020.284390569	3874.0256572637383	3866.270001246994	3859.215397184747	3859.186574047177	6.58054086489055
17	25	17777	-360381.1413	808237.3170250766	39.08791161	-102.0668818	234580.328242293	431016.29148337	3872.5486023392303	3864.9658572657368	3857.88803331552	3857.7062634184723	6.58054086489055
18	25	17778	-359721.1413	808237.3170250766	39.08793610694045	-102.0663576	234781.48618371812	431010.134706782	3872.3313394022	3863.6625474142354	3858.06773132013	3859.114818174966	6.58054086489055
19	25	17779	-359061.1413	808237.3170250766	39.0879605422031	-102.0640334	234982.63486319872	431008.59176161	3872.500858695705	3862.598189843151	3857.9801067400135	3859.021294475984	6.58054086489055
20	25	17780	-358401.1413	808237.3170250766	39.0879849661254	-102.0617092	235183.8017272618	431003.984	3871.557172142288	3861.056716872554	3857.67069893125	3858.7024846579284	6.58054086489055
21	25	17781	-357741.1413	808237.3170250766	39.08800931	-102.059385	235384.958429345	430999.90886892	3871.613847420418	3859.752747110442	3856.96232285566	3858.030247284724	6.58054086489055
22	25	17782	-357081.1413	808237.3170250766	39.08803362513067	-102.057068	235584.1153161017	430995.835	3871.698029717	3858.447144830374	3855.952893752792	3856.64113134735	6.58054086489055
23	25	17783	-356421.1413	808237.3170250766	39.08805878446298	-102.0547268	235787.2719477098	430991.761280748	3871.456228505447	3857.138537543377	3854.4729318163474	3855.194721441394	6.58054086489055
24	25	17784	-355761.1413	808237.3170250766	39.08808211730424	-102.0524124	235988.4283123965	430987.687237322	3871.9137241899912	3855.829589632528	3853.6737886625295	3853.405317139316	6.58054086489055
25	25	17785	-355101.1413	808237.3170250766	39.08810629252763	-102.0500882	236189.5844151984	430983.613357141	3871.489629422757	3854.518035718737	3850.453668321905	3851.347057300325	6.58054086489055
26	25	17786	-354441.1413	808237.3170250766	39.08813042823309	-102.047764	236390.74025726598	430983.59651008	3871.0057877906949	3853.20377906949	3847.7525525284367	3849.2168119306025	6.58054086489055
27	25	17787	-353781.1413	808237.3170250766	39.08815451650059	-102.0454398	236591.8983724103	430975.4661189145	3870.825100089027	3851.887581594482	3845.5562313813252	3846.79776885713	6.58054086489055
28	25	17788	-353121.1413	808237.3170250766	39.088176509979194	-102.0431196	236793.05115555198	430971.39277617	4006.947121126017	3850.5686775491602	3843.129665134677	3844.29430382723	7.445009435682259
29	25	17789	-348891.1413	808237.3170250766	39.0881945298674	-102.039762	236984.2621330157	430964.81895962	3871.49465781887	3849.242582413527	3842.5062482131	3842.5062482131	6.58054086489055
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31	25	17791	-351141.1413	808237.3170250766	39.08822504324226	-102.036143	237396.5164553322	430959.173862214	3993.465730302578	3846.6115463521737	3834.618056552363	3836.05312804911	6.58054086489055
32	25	17792	-350481.1413	808237.3170250766	39.08827424079375	-102.033818	237597.6692072994	430955.10100742	3985.88511959623	3845.29727992839	3837.05771351919	3833.005467733872	6.58054086489055
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36	25	17796	-347841.1413	808237.3170250766	39.08837025919	-102.0245219	238402.284201574	430938.811891428	3958.0407197967344	3840.247332318896	3822.437452034139	3822.437452034139	6.58054086489055
37	25	17797	-347181.1413	808237.3170250766	39.08839293044063	-102.0221797	238603.43739570162	430934.741015321	3952.1064290191952	3838.752955	3818.217386457272	3820.520141513392	6.58054086489055
38	25	17798	-346521.1413	808237.3170250766	39.08841652384776	-102.0198735	238804.59071192547	430930.66486931	3947.447737791407	3816.399664695716	3816.399664695716	3816.399664695716	6.58054086489055
39	25	17799	-345861.1413	808237.3170250766	39.088440073366364	-102.0175492	239005.742569389	430926.597008671	3943.030680173354	3835.3413034	3815.241852350288	3817.7717001266205	6.58054086489055
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42	25	17802	-343881.1413	808237.3170250766	39.0885104529874	-102.010576	239614.288717554	430914.3835147	3941.94465781887	3832.2296324978	3810.42962132	3810.42962132	6.58054086489055
43	25	17803	-343221.1413	808237.3170250766	39.08853822555141	-102.008253	239810.3489104748	430908.173276692	3930.824738740824	3807.792597275637	3807.792597275637	3807.792597275637	6.58054086489055
44	25	17804	-342561.1413	808237.3170250766	39.0885514763061	-102.0059281	240011.50097510408	430906.242133029	3935.2169202475496	3809.6218753573147	3804.57738347792	3806.564676756236	6.58054086489055
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47	25	17807	-340581.1413	808237.3170250766	39.0886268532451	-101.9989564	240614.9529225162	430884.01352477	3922.213707	3825.680715420639	3792.732661585297	3806.972152810887	6.58054086489055
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52	25	17812	-337281.1413	808237.3170250766	39.08874213236135	-101.9873432	241620.705528576	430873.682012168	3908.41766820854	3819.01976022312	3817.550082705138	3817.550082705138	6.58054086489055
53	25	17813	-336621.1413	808237.3170250766	39.08876133311334	-101.985051	241821.8486765113	430869.614103231	3908.661812885407	3817.634313286674	3816.263351967294	3813.215959	6.58054086489055
54	25	17814	-335961.1413	808237.3170250766	39.0887762949738	-101.982687	242022.9944716775	430865.45	3908.881932769819	3816.25866713533	3812.53355444746	3808.784343186971	6.58054086489055
55	25	17815	-335301.1413	808237.3170250766	39.08879160792474	-101.9803815	242224.14681071294	4					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
131	25	17893	-283821.1413	808237.3170250766	39.09045329502086	-171.7990659	257912.94607593404	4330544.638121014	3659.0591473663167	36.36117195044773	3586.6046101092215	3580.4072083516485	49.5125849355133	55.70996899321439
134	25	17894	-283161.1413	808237.3170250766	39.09047257962554	-171.7867416	258114.074851060	4330540.562813018	3648.495515183635	36.36358037989025	3583.0504222305785	3576.5850314917165	50.31706568523976	56.78271178178602
135	25	17895	-283501.1413	808237.3170250766	39.09048169595676	-171.7844172	2583515.2035878204	4330536.5276748398	3645.626474876928	36.36115244898976	3579.543793813527	3573.665858279025	51.07075863	56.84584652384511
136	25	17896	-281841.1413	808237.3170250766	39.0905110059382	-171.7920929	2585133.616847696	4330534.4727706831	3647.4405434370263	36.36478035411475	3576.060035767342	3569.33414177326	51.78660786795605	58.5092839681444
137	25	17897	-281811.1413	808237.3170250766	39.090530165339345	-171.7897768	258717.4597247383	4330528.417906887	3649.2743142109794	36.362507341481029	3572.3042650052557	3567.270914565689	52.769148477325	57.80228031333998
138	25	17898	-280521.1413	808237.3170250766	39.09054927	-171.7874442	258918.57616184654	4330520.3632804975	3651.0973380621322	36.3621916522333572	3569.532908624703	3564.295804981353	52.75875136988816	57.95845733224404
139	25	17899	-279861.1413	808237.3170250766	39.09056833115299	-171.7851198	259191.7104232777	4330520.3632804975	3650.899472	36.361900440112514	3566.0540837251233	3560.6649373096523	52.769148477325	58.5350038186149
140	25	17900	-279201.1413	808237.3170250766	39.090587346712094	-171.7827594	259320.84248438478	4330516.254533968	3648.679844052352	36.361699052	3565.218867446146	3556.96754983917	54.18018476099405	59.1709722322605
141	25	17901	-278641.1413	808237.3170250766	39.09060651739861	-171.7804717	2595821.9695882235	4330512.200415807	3646.460215756624	36.361874884215414	3558.9033836795047	3553.2453582202194	54.86037474230678	59.644093214382224
142	25	17902	-277881.1413	808237.3170250766	39.090625243179306	-171.7781467	259723.095	4330508.14667178	3642.240557406997	36.36105526246053	3555.191264	3549.455619017294	55.67452932515405	61.610038740143
143	25	17903	-277221.1413	808237.3170250766	39.0906441206965	-171.7758224	259924.2231	4330504.03	3642.641911782398	36.368233478218196	3551.3380585302623	3545.6839231855737	62.79672436245604	
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145	25	17905	-275901.1413	808237.3170250766	39.09068171512106	-171.7717138	260326.4765264919	4330500.956641395	3640.686460241065	36.36023496816292	3543.1902678311803	3537.2851351954473	65.2541543208446	
146	25	17906	-275241.1413	808237.3170250766	39.09070047847384226	-171.7688493	260527.60154113117	4330491.93	3638.707543784227	35.99967261	3538.8079554996884	3532.977366835910	67.0179032467135	66.7011829076866
147	25	17907	-274581.1413	808237.3170250766	39.090719870358	-171.7668249	260728.72722014258	4330487.879273721	3638.4844743841027	35.99817831947828	3534.7405998843837	3528.4531042423795	68.39751530305191	68.39751530305191
148	25	17908	-273921.1413	808237.3170250766	39.0907378513012	-171.7642095	260929.8526218596	4330483.826344719	3640.0136777803374	35.993383786562306	3529.7887980222213	3523.679395091823	64.14481903400929	70.2541835570424
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150	25	17910	-272601.1413	808237.3170250766	39.090775033462	-171.7595518	261332.1023674116	4330475.720966348	3641.0720845734077	35.98154798969043	3518.923775422336	3516.831481569736	69.23710234567079	74.847317309330475
151	25	17911	-271941.1413	808237.3170250766	39.0907955055252	-171.7572274	261533.2706666141	4330471.68857667	3639.382434410416	35.985238449266603	3512.8322290598234	3507.531616259056	77.222866760474	
152	25	17912	-271281.1413	808237.3170250766	39.09081203190745	-171.754903	261734.3250666141	4330467.616623743	3627.46536087999	35.982351878344886	3506.33899698336	3501.8195353603696	70.0619068615279	80.52563447409239
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154	25	17914	-269961.1413	808237.3170250766	39.09084885093834	-171.750243	262136.600534426	4330459.512	3618.684223413645	35.97650495376892	3496.670167246544	3493.4730730843	85.833585623666	89.36102500613824
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159	25	17919	-266661.1413	808237.3170250766	39.09094011	-171.7386324	263142.217	4330439.3523662	3575.84076669249	35.961785188910473	3435.727715	3433.339971743294	126.4521467087172	128.4521467087172
160	25	17920	-266001.1413	808237.3170250766	39.0909582306557	-171.736308	263343.3396720252	4330435.20443349	3567.4004302117	35.9587964312669087	3435.70270796356	3433.519144131426	112.849410415528	115.2772813548277
161	25	17921	-265341.1413	808237.3170250766	39.09097683022958	-171.7338638	263544.462058004	4330431.153722244	3558.9719819478824	35.955818903166383	3434.89048578762	3431.731580151513	101.2237170672769	
162	25	17922	-264681.1413	808237.3170250766	39.0909943134587	-171.7316592	263745.320205955	4330427.103	3550.536957574926	35.95135907574926	3441.6411977104553	3438.92737046455	89.4954171596184	92.228775103373
163	25	17923	-264021.1413	808237.3170250766	39.09101231437606	-171.7293348	263946.7601179051	4330420.053	3548.771763389404	35.94871763389404	3467.27202516183	3464.501361658862	81.49474287350079	84.27020173306284
164	25	17924	-263361.1413	808237.3170250766	39.0910325512866	-171.7270104	264147.827990146	4330419.00257764	3553.676673389974	35.9483826271677	3471.5020525812647	3468.38530554914	75.3732004590295	78.45402716027676
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168	25	17928	-260721.1413	808237.3170250766	39.09110155612583	-171.7171728	264952.3215325844	4330402.80482293	3570.86728134853	35.934742281927918	3476.81988278768	3474.39694360792	58.1673712348478	58.1673712348478
169	25	17929	-260061.1413	808237.3170250766	39.0911192697391	-171.7153885	265137.4327104613	4330398.754602346	3574.152914831054	35.93169643827957	3481.452198800996	3478.5158208128173	50.24423602	54.85034061
170	25	17930	-259401.1413	808237.3170250766	39.09113693857125	-171.7130641	265354.5529950456	4330394.704871996	3577.4358011272498	35.932842021090905	3481.643044483978	3479.255256848314	49.98979615107495	51.6467951425403
171	25	17931	-258741.1413	808237.3170250766	39.09115654	-171.7107397	265555.6730475526	4330390.65584472	3576.6031953004	35.932579058873413	3481.44892544037	3476.858667574316	44.3013333	44.3013333
172	25	17932	-258081.1413	808237.3170250766	39.09117214144229	-171.7084153	265756.7926819487	4330386.60994663	3571.646876019108	35.932250774136434	3480.966502010254	3476.5075277	41.54142124261806	46.0008686769358
173	25	17933	-257421.1413	808237.3170250766	39.0911896753734	-171.7060909	265957.9125471678	4330385.95310569	3569.69097196163	35.932079117008524	3480.165213272602	3476.14610133037	39.2633639250208	43.28416706781536
174	25	17934	-256761.1413	808237.3170250766	39.09120174673869	-171.7037665	266159.1514847967	4330378.51	3567.734311621958	35.9316437158	3479.14555978196	3475.17012002632346	41.02508047199579	
175	25	17935	-256101.1413	808237.3170250766	39.0912192697391	-171.7014728	266364.462058004	4330374.8514587	3565.8178221494447	35.93169643827957	3481.452198800996	3478.5158208128173	50.24423602	54.85034061
176	25	17936	-255441.1413	808237.3170250766	39.0912400846511	-171.6991177	266591.26986131043	4330370.413726485	3564.938867203592	35.9314711673272	3478.5158208128173	3476.14610133037	39.2633639250208	43.28416706781536
177	25	17937	-254781.1413	808237.3170250766	39.0912596296022	-171.6967933	266762.388500485	4330366.365271168	3562.0466206923874	35.930703291020733	3475.25751033685	3474.59236662504	31.77540867518833	

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLgKrg.f	BR ElevBothKrg.f	SatThkLogs.f	SatThkBoth.f
258	19	18019	-200661.1413	806237.3170250766	39.09252965711295	-101.5061888	28325.35311241914	4330305.006	3433.0806701383303	3255.3200072135596	3286.721293	3287.1778750115977	0
260	25	18020	-200001.1413	806237.3170250766	39.09254285243294	-101.5038843	28345.45433011417	4330030.972	3431.9310272917014	3253.2089662552027	3283.322684071941	3283.9419580104895	0
261	25	18021	-199891.1413	806237.3170250766	39.0925468956766	-101.5015898	28365.5333415803	4330030.972	3430.781744446713	3251.153327	3281.72048895316	3281.86247138254	0
262	25	18022	-199681.1413	806237.3170250766	39.09257040711259	-101.4992153	28385.65124753734	4330022.904	3429.623281598443	3249.1519915227714	3281.098149905323	3280.89131010485	0
263	25	18023	-199601.1413	806237.3170250766	39.092583906653246	-101.4968080	28405.7527021065	4330018.870812069	3424.42145265807	3247.204040482296	3281.318977845717	3280.8055886112124	0
264	25	18024	-197361.1413	806237.3170250766	39.09259734929763	-101.4945663	28425.8502664165	4330014.837541768	3415.14925762397	3245.308291903888	3282.281411954044	3281.90054535563	0
265	25	18025	-196701.1413	806237.3170250766	39.092610753045626	-101.4922248	28446.91521179033	4330010.804	3405.87706258974	3243.463581650096	3283.8117600579403	3283.6513214	0
266	25	18026	-196041.1413	806237.3170250766	39.092624111897265	-101.4899174	28469.10501567546	4330006.71508293	3396.60486755572	3241.668709192103	3288.14273278954	3285.9313192528	0
267	25	18027	-195381.1413	806237.3170250766	39.09263742585254	-101.4875929	28486.14689318244	4330002.73874511	3388.688719583738	3239.822463104967	3289.255122483669	3288.121827	0
268	25	18028	-194721.1413	806237.3170250766	39.09265054911138	-101.4852584	28506.3472397380	4329998.706150954	3381.163075491679	3238.223643109753	3292.984533920186	3292.95565338793	0
269	25	18029	-194061.1413	806237.3170250766	39.09266391907377	-101.4829438	28525.3456956825	4329994.67325815	3373.9592971269847	3236.569040255363	3297.835750742123	3298.23716370612	0
270	25	18030	-193401.1413	806237.3170250766	39.09267709833966	-101.4806194	28545.4437899655	4329990.641496983	3366.75545	3234.955626755967	3293.4034732850475	3293.73872850475	0
271	25	18031	-192741.1413	806237.3170250766	39.092690232770917	-101.4782949	28566.541768674324	4329986.6093825605	3359.9754499081614	3233.3823521687855	3297.69979479349	3294.73712488	0
272	25	18032	-192081.1413	806237.3170250766	39.0927033218208	-101.4759704	28586.67633631183	4329982.57744429	3353.619180506499	3231.848236914676	3288.204552188973	3286.96840659102	0
273	25	18033	-191421.1413	806237.3170250766	39.092716366758495	-101.4736459	28608.736927928	4329978.7545715289	3347.262911221037	3230.35236468312935	3278.183987247231	3277.2744583180376	0
274	25	18034	-190761.1413	806237.3170250766	39.09272937	-101.4713214	28629.8340374852	4329974.514135127	3340.906416774746	3228.893918114095	3271.2060412327005	3269.84348095249	0
275	25	18035	-190101.1413	806237.3170250766	39.09274232221256	-101.4688969	28647.9310718857	4329970.482723941	3334.495465226707	3227.474235472784	3263.881045	3261.402841590235	0
276	25	18036	-189441.1413	806237.3170250766	39.0927553110814	-101.4666724	28667.0278957023	4329966.451481717	3328.03025156627	3226.080424	3257.107449180807	3253.06330606191	0
277	25	18037	-188781.1413	806237.3170250766	39.09276806009815	-101.4643479	28687.12450914213	4329962.420408456	3321.564703790582	3224.719798487547	3250.793421650221	3251.703520671077	0
278	25	18038	-188121.1413	806237.3170250766	39.092780916191465	-101.4620234	28707.242001240913	4329958.389504144	3315.09198124245375	3223.389046	3244.853175533093	3241.872761451229	0
279	25	18039	-187461.1413	806237.3170250766	39.092793891388096	-101.4599889	28727.5151070713	4329954.358786778	3308.419591460976	3222.086758751256	3239.20596840305	3236.86331320955	0
280	25	18040	-186801.1413	806237.3170250766	39.09280641688046	-101.4573744	28747.61431	4329950.328022346	3301.525930524374	3220.8129962843625	3237.7685723596	3231.01769843337	0
281	25	18041	-186141.1413	806237.3170250766	39.09281961727862	-101.4550924	28767.5708405006	4329946.578708443	3294.639758820945	3219.867585820945	3237.167531371404	3236.588500144507	0
282	25	18042	-185481.1413	806237.3170250766	39.09283174759768	-101.4527254	28787.6044728346	4329942.26756292	3287.738609345814	3218.350258768976	3234.411512639713	3232.41705930508	0
283	25	18043	-184821.1413	806237.3170250766	39.0928443320732	-101.4504009	28807.96998	4329938.237516596	3281.5089807406286	3217.160751246754	3219.1612513872365	3217.318741089276	0
284	25	18044	-184161.1413	806237.3170250766	39.0928568392017	-101.4480764	28820.794928275	4329934.207625636	3275.9433831137612	3215.982192200187	3217.090698818813	3217.4512739638	0
285	25	18045	-183501.1413	806237.3170250766	39.09286939973621	-101.4457519	28848.1889	4329930.177903976	3270.377854814934	3214.8621363441625	3215.98914079582	3216.903983137815	0
286	25	18046	-182841.1413	806237.3170250766	39.09288186065335	-101.4434274	28862.9845965803	4329926.148551033	3264.812187482266	3213.752698965733	3214.9962790872173	3216.636931727147	0
287	25	18047	-182181.1413	806237.3170250766	39.0928947667789	-101.4411098	28884.9719777466	4329918.119866923	3258.65927685936	3212.68976492602	3216.681971981384	3216.513681501347	0
288	25	18048	-181521.1413	806237.3170250766	39.0929064790921	-101.4387784	28905.1273548509	4329912.1587784	3251.31197773042	3211.6821731042	3215.754515150205	3215.754515150205	0
289	25	18049	-180861.1413	806237.3170250766	39.09291897403765	-101.4364538	28928.261353214	4329914.061	3244.166072029167	3210.5800058282983	3213.475682213195	3205.66514206995	0
290	25	18050	-1801201.1413	806237.3170250766	39.09293125536916	-101.4341294	28948.36713592413	4329910.031825893	3237.027402798587	3209.575439201037	3212.6024678580965	3212.6024678580965	0
291	25	18051	-179541.1413	806237.3170250766	39.092943491803716	-101.4318048	28968.45522217656	4329906.033117272	3232.779708113689	3208.597805907112	3211.663519044235	3202.536854230017	0
292	25	18052	-178881.1413	806237.3170250766	39.09295663341245	-101.4294803	28989.548705423	4329901.974574933	3231.4429662394596	3207.647619320447	3210.701984690887	3212.701984690887	0
293	25	18053	-178221.1413	806237.3170250766	39.09296762959176	-101.4271558	29000.6417979257	4329896.54620855	3230.106243652304	3206.724885428208	3209.5969719682716	3218.9227118	0
294	25	18054	-177561.1413	806237.3170250766	39.0929795172786	-101.4248513	29021.7350485006	4329892.91900452	3228.79425491001	3205.6289547784	3207.6289547784	3207.6289547784	0
295	25	18055	-176901.1413	806237.3170250766	39.09299198857171	-101.4225068	29042.8279096781	4329889.88997171	3227.3738256368456	3204.96176591034	3208.884932492083	3213.3887634441714	0
296	25	18056	-176241.1413	806237.3170250766	39.0930040052108	-101.4201823	29068.920664817	4329885.862106708	3225.919253811282	3204.115821389566	3205.88783030506	3214.919595201282	0
297	25	18057	-175581.1413	806237.3170250766	39.093015967573315	-101.4178578	29085.031367127	4329881.834411052	3224.46468198299	3203.298632809952	3204.87670522885	3204.87670522885	0
298	25	18058	-174921.1413	806237.3170250766	39.093027889728425	-101.4155333	29106.105256449	4329877.80688194	3222.7210110155476	3202.507135929461	3203.9459302588425	3219.2614679876816	0
299	25	18059	-174261.1413	806237.3170250766	39.09303976986415	-101.4132087	29129.2971933415	4329873.77952612	3222.07701702903	3201.7408117967443	3203.0337173913426	3218.79541691547	0
300	25	18060	-173601.1413	806237.3170250766	39.09305159934722	-101.4108452	29148.489281245695	4329867.52336871	3218.621566562185	3200.995098510835	3202.14370070635	3218.100593507363	0
301	25	18061	-172941.1413	806237.3170250766	39.0930633681108	-101.4085725	29169.62504575	4329863.75	3217.6251153415	3200.2817463329	3201.4845951063	3217.6251153415	0
302	25	18062	-172281.1413	806237.3170250766	39.09307512377226	-101.4062352	29190.471702256	4329861.68	3216.3927647679670	3200.95689703361	3201.5600941265523	3211.78763126135	0
303	25	18063	-171621.1413	806237.3170250766	39.093086827046385	-101.4039107	292101.5633862123	4329857.671871705	3216.6431641499173	3200.91930336874	3200.91930336874	3218.98328214496	0
304	25	18064	-170961.1413	806237.3170250766	39.09309847981827	-101.4015861	292302.63396458	4329853.456276505	3215.24535071427	3200.75862608555	3200.75862608555	3218.4019188153	0
305	25	18065	-170301.1413	806237.3170250766	39.0931100876286	-101.3992516	292503.745202784	4329849.61822053	3215.8767555230669	3200.6724050527662	3200.6724050527662	3218.98328214496	0
306	25	18066	-169641.1413	806237.3170250766	39.09312165067017	-101.3968371	292704.838044772	4329845.9574364	3215.478975744617	3200.4722272495413	3200.4722272495413	3218.98328214496	0
307	25	18067	-168981.1413	806237.3170250766	39.09313316875016	-101.3945819	292905.9626015386	4329841.568774372	3215.440858418628	3200.46898142357	3200.46898142357	3218.98328214496	0
308	25	18068	-168321.1413	806237.3170250766	39.0931446	-101.3922881	293107.0165947504	4329837.540898127	3215.82369817	3200.458221354916	3200.458221354916	3218.98328214496	0
309	25	18069	-167661.1413	806237.3170250766	39.093156021804	-101.3899635	293308.106384134	4329833.51522796	3215.808365692148	3200.458221354916	3200.458221354916	3218.98328214496	0
310	25	18070	-167001.1413	806237.3170250766	39.0931674								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SurfThkBoth.ft	
35	25	18145	-117501.1413	808237.3170250766	39.03983824896046	-101.2132978	30890.36495323844	423925.087	3271.312522885892	3147.905378080057	3144.36632699969097	3151.1975804272406	3.539051123147464	0
386	25	18146	-116841.1413	808237.3170250766	39.039901219620715	-101.2109733	30879.414386404784	423926.044654528	3271.0825135040272	3146.894074081627	3141.157251373121	3147.6650345843527	3.54289905050969	0
387	25	18148	-116181.1413	808237.3170250766	39.03985314065112	-101.2086487	30889.5146660307	423926.031120387	3270.7526955174086	3145.8732636986187	3143.7937636986187	3144.7937636986187	3.540348811076807	0
388	25	18148	-115521.1413	808237.3170250766	39.039177027383235	-101.2063241	30893.015890983287	423926.10197544275	3270.322033913402	3144.8566519626916	3139.70438261624	3148.7867782	3.51621267652912	0
389	25	18149	-114861.1413	808237.3170250766	39.039392486381653	-101.2039995	30939.36436441555	423925.1027056669	3269.8917173154164	3143.820593485195	3131.778351696287	3136.597016110835	3.540224182565618	0
390	25	18150	-114201.1413	808237.3170250766	39.0393263535102	-101.201675	30959.57360772504	423927.995527013	3268.4614007158516	3142.756573507886	3127.775023967696	3132.027562211297	3.5400062784019047	0
391	25	18151	-113541.1413	808237.3170250766	39.0394004198666	-101.1993504	30979.661457152306	423929.983665445	3268.197482870265	3141.722453214555	3127.790802307132	3.5400062784019047	3.5400062784019047	0
392	25	18152	-112881.1413	808237.3170250766	39.03948103723406	-101.1970258	309997.885388989	423949.917191953	3268.161390025842	3140.661644849474	3119.807812626257	3123.30052924627	3.5400062784019047	0
393	25	18153	-112221.1413	808237.3170250766	39.03945314065112	-101.1947913	3019.95899595187	423945.96448534	3268.0047717646567	3142.824581184927	3115.462938350214	3118.524400714623	3.5400062784019047	0
394	25	18154	-111561.1413	808237.3170250766	39.0393637200255	-101.1923767	3104.0004232	423949.945098181	3267.908153503472	3138.521195382338	3110.954319314589	3113.47352803650186	3.5400062784019047	0
395	25	18155	-110901.1413	808237.3170250766	39.03937093954035	-101.1900521	310601.105583237	423999.83789988	3259.553520278545	3137.444052868758	3106.3697995204683	3107.2746748873433	3.5400062784019047	0
396	25	18156	-110281.1413	808237.3170250766	39.039378461681495	-101.1877275	310802.1786312643	423943.927	3257.067067486747	3136.26370967529	3102.178402481128	3103.466859259046	3.5400062784019047	0
397	25	18157	-109641.1413	808237.3170250766	39.0393859382372	-101.1854029	31003.2514866004	423947.919025436	3254.528052901463	3135.2807270601484	3099.433761236085	3104.321780680863	3.5400062784019047	0
398	25	18158	-108921.1413	808237.3170250766	39.0390371266976	-101.1830784	311204.3241545073	423947.953040263	3251.995316312534	3134.1960240590297	3099.605659597828	3099.969104343166	3.5400062784019047	0
399	25	18159	-108261.1413	808237.3170250766	39.03900758711275	-101.1807358	311045.3963688187	423947.9184842115	3250.554417832153	3133.109726254568	3102.41733554626	3092.93836619672	3.5400062784019047	0
400	25	18160	-107601.1413	808237.3170250766	39.0400801125561	-101.1784292	311066.4689	423947.884473938	3250.193423132492	3132.023547449242	3106.245762689105	3.5400062784019047	3.5400062784019047	0
401	25	18161	-106941.1413	808237.3170250766	39.0401538909265	-101.1761048	311807.51045403486	423946.834	3248.836404843283	3130.9364544706	3109.946948983356	3110.113212149014	3.5400062784019047	0
402	25	18162	-106281.1413	808237.3170250766	39.040265165027	-101.1737801	312008.613	423949.8642797535	3248.37936373166	3129.853089240304	3112.92371230459	3113.015167119014	3.5400062784019047	0
403	25	18163	-105621.1413	808237.3170250766	39.040298649878	-101.1714555	312209.68471650337	423945.85443632	3247.512802592807	3127.768998838316	3114.708723222824	3115.0010012343436	3.5400062784019047	0
404	25	18164	-104961.1413	808237.3170250766	39.04037042449684	-101.1691309	312410.7562749056	423945.814477459	3243.936799261457	3127.68414230867	3115.64568394577	3115.837322927323	3.5400062784019047	0
405	25	18165	-104301.1413	808237.3170250766	39.04044140489085	-101.1668063	311801.8276911535	423943.85248336	3240.36074923068	3126.627248569358	3115.6526703013754	3115.6526703013754	3.5400062784019047	0
406	25	18166	-103641.1413	808237.3170250766	39.0405127354926	-101.1644817	31281.9859633375	423943.826	3238.74689239616	3125.571281395956	3114.946316	3114.946316	3.5400062784019047	0
407	25	18167	-102981.1413	808237.3170250766	39.04061491813	-101.1621769	313267.67839281	423943.81763927	3237.154543538979	3112.294411586093	3109.3898598782	3107.02781594404	3.5400062784019047	0
408	25	18168	-102321.1413	808237.3170250766	39.04052255438	-101.1598326	313215.0406663674	423943.80778857	3236.54471732109	3112.439919209273	3112.233141822595	3111.89015029533	3.5400062784019047	0
409	25	18169	-101661.1413	808237.3170250766	39.04076217830834	-101.157508	313416.111308121	423943.79889133	3234.906977951572	3112.487142022716	3110.326976117276	3110.015734316922	3.5400062784019047	0
410	25	18170	-101001.1413	808237.3170250766	39.0407905263095	-101.1551834	313617.1817644386	423947.70221947	3234.274848143416	3121.4907400758207	3108.207423069306	3107.951324919534	3.5400062784019047	0
411	25	18171	-100341.1413	808237.3170250766	39.04085905918774	-101.1525858	313818.2520377894	423943.781720494	3233.919642175058	3120.5098267154576	3105.492653029026	3105.492653029026	3.5400062784019047	0
412	25	18172	-99681.1413	808237.3170250766	39.0409270967531	-101.1505342	314019.321283757	4239419.7368921	3232.6492430916	3119.435995298885	3102.826428194558	3103.105778848171	3.5400062784019047	0
413	25	18173	-99021.1413	808237.3170250766	39.0409451943271	-101.1482917	314220.39234145	423941.75766114	3231.76859817832158	3118.2928051026442	3100.93692898981	3100.93692898981	3.5400062784019047	0
414	25	18174	-98361.1413	808237.3170250766	39.04014552330926	-101.1458671	314421.6176209315	423942.17523839	3230.6925543899	3117.5360989033564	3097.641052597557	3104.031556520023	3.5400062784019047	0
415	25	18175	-97701.1413	808237.3170250766	39.0411285154997	-101.1435605	314622.5310563186	423947.9393829	3238.746474386165	3116.73167295009	3092.8354391556545	3093.494504517127	3.5400062784019047	0
416	25	18176	-97041.1413	808237.3170250766	39.0419417571312	-101.1412359	314823.6007671739	4239403.742	3238.929964918258	3115.818792	3088.8308298693182	3089.541382474895	3.5400062784019047	0
417	25	18177	-96381.1413	808237.3170250766	39.04126054873756	-101.1389113	315024.669470283	423939.734235886	3238.134954395516	3114.9157085816278	3084.932008247439	3085.997912625091	3.5400062784019047	0
418	25	18178	-95721.1413	808237.3170250766	39.0413258933518	-101.1365867	315025.738543497	423935.726099727	3237.200123636031	3114.02123636031	3081.1091178881347	3081.1091178881347	3.5400062784019047	0
419	25	18179	-95061.1413	808237.3170250766	39.0413907879105	-101.1342621	315426.807623044	423939.71951434	3236.310991937604	3113.133001344222	3078.2956780738474	3078.2956780738474	3.5400062784019047	0
420	25	18180	-94401.1413	808237.3170250766	39.0414552330926	-101.1319718	315621.67839281	423937.71761003	3232.154543538979	3112.294411586093	3109.3898598782	3107.02781594404	3.5400062784019047	0
421	25	18181	-93741.1413	808237.3170250766	39.0415919230245	-101.1296213	315828.946851547	423937.79838424	3231.9309565367952	3115.14994426057	3097.876289479152	3107.312122	3.5400062784019047	0
422	25	18182	-93001.1413	808237.3170250766	39.0415828	-101.1272884	316030.01372138616	423937.9692867	3225.844761655497	3110.48595582332	3089.197381024675	3107.18879383615	3.5400062784019047	0
423	25	18183	-92421.1413	808237.3170250766	39.0416456765367	-101.1249638	316231.08211062	423935.69279677	3223.362674020497	3109.6012150753	3087.418647361268	3087.418647361268	3.5400062784019047	0
424	25	18184	-91761.1413	808237.3170250766	39.04170852619584	-101.1226392	316432.1491345194	423937.68647717	3221.554808013198	3108.725334744673	3085.951751026363	3086.6026715913804	3.5400062784019047	0
425	25	18185	-91101.1413	808237.3170250766	39.0417707268618	-101.1203146	316633.2168673084	423937.68032643	3219.764463420307	3107.8426139307	3084.648972	3085.2586826551024	3.5400062784019047	0
426	25	18186	-90441.1413	808237.3170250766	39.0418324785345	-101.117199	316834.2844214475	423936.674534302	3217.9307039404	3106.9452655371	3083.4442303584437	3083.79585111861	3.5400062784019047	0
427	25	18187	-89781.1413	808237.3170250766	39.041852321406	-101.1149718	317026.61784216	423937.68032643	3216.154543538979	3112.294411586093	3109.3898598782	3107.02781594404	3.5400062784019047	0
428	25	18188	-89121.1413	808237.3170250766	39.04195454390345	-101.1134009	317026.61784216	423937.68032643	3215.309565367952	3115.14994426057	3097.876289479152	3107.312122	3.5400062784019047	0
429	25	18189	-88461.1413	808237.3170250766	39.0420150369326	-101.1110633	317437.4860041441	423935.65299407	3215.825997037133	3104.2182432477815	3107.21926168047	3106.865453230643	3.5400062784019047	0
430	25	18190	-87801.1413	808237.3170250766	39.04207495295524	-101.1086917	317638.5528	423937.68032643	3215.34237308878	3103.2418252108428	3054.1512271560996	3053.901160152517	3.5400062784019047	0
431	25	18191	-87141.1413	808237.3170250766	39.0421345	-101.1063731	317839.6194970025	423934.64687214	3215.825997037133	3102.16530285181	3051.458304718651	3051.17856938783	3.5400062784019047	0

ix	iy	x	Y.r	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatHtLogs.f	SatHtBoth.f
51	25	18271	-34341.14133	8062327.3170250766	39.054544029057296	-00.92030898	339324.3900807322	4329023.778264698	3085.0240443116068	1286.123836	2906.9123910721064	2906.1723879398437	61.2124513
512	25	18272	-33681.14133	8062327.3170250766	39.05454634284947	-00.91810742	334125.4453565668	4329019.786664891	3083.6725092367332	2966.579183528066	2905.9865507144374	2905.5645523121213	61.08053213628564
513	25	18273	-33021.14133	8062327.3170250766	39.05454861171696	-00.91515748	334326.4963498063	4329015.78520198	3082.3293763358993	2965.2437642562177	2903.763123373152	2903.6904976827485	61.40309401986655
514	25	18274	-32361.14133	8062327.3170250766	39.05455083573381	-00.913425	334527.5486840074	4329010.80026002	3080.9604408463766	2967.278578106884	2900.3785330042032	2900.186127961098	63.44131608615317
515	25	18275	-31701.14133	8062327.3170250766	39.0545530182595	-00.9111004	334728.7601225441	4329007.812922093	3078.29606268282	2964.430871710688	2897.2143762431638	2897.3643445664904	65.226061093
516	25	18276	-31041.14133	8062327.3170250766	39.05455149018106	-00.9087578	334929.6524353445	4329002.82200668	3068.072328399548	2961.08722122757	2895.0286482185843	2895.2165281156266	66.001230939138
517	25	18277	-30381.14133	8062327.3170250766	39.05455273831027	-00.9064512	335130.5846393747	4328999.831262314	3065.96185908145	2959.790516717746	2893.850224070524	2893.951423949301	67.65393624230178
518	25	18278	-29721.14133	8062327.3170250766	39.05455928270231	-00.9041265	335331.7537431151	4328994.84803023	3068.3145928608303	2958.929291941477	2893.78950535282	2893.5255939019363	64.73973266156554
519	25	18279	-28961.14133	8062327.3170250766	39.05456128219438	-00.9021819	335532.8095859076	4328991.858207978	3067.2895786502823	2957.2895786502823	2893.674515847878	2893.6836256677185	66.823428614540945
520	25	18280	-28401.14133	8062327.3170250766	39.05456327693585	-00.8994773	335733.8601614251	4328987.96	3065.641444	2956.043905979155	2895.1321510074357	2895.285333352356	60.79505704661865
521	25	18281	-27741.14133	8062327.3170250766	39.05456515	-00.8971527	335893.812056478	4328983.69934543	3054.8451229024	2954.84477356712	2895.828934355274	2895.9646741914616	59.4103940118478
522	25	18282	-27081.14133	8062327.3170250766	39.05456701172036	-00.8948281	336135.9632448003	4328979.88026335	3048.625721759008	2953.625721734966	2896.1453456782	2896.3025561598684	57.454221377818454
523	25	18283	-26421.14133	8062327.3170250766	39.054568831162285	-00.8925035	336337.0142034062	4328970.014583184	3045.011183220151	2952.407014583184	2895.9548035670503	2896.20411701478476	56.0283103457868
524	25	18284	-25761.14133	8062327.3170250766	39.0545706615416	-00.8901789	336538.0652353214	4328971.900715161	3045.7012960731	2951.8712960731	2895.5318908320173	2895.752547574347	55.65523877990384
525	25	18285	-25011.14133	8062327.3170250766	39.05457236245996	-00.8878542	336739.11599099095	4328967.911305089	3040.0619593125387	2949.95444043322	2894.6277741730974	2894.604483113347	55.337698970224545
526	25	18286	-24441.14133	8062327.3170250766	39.054574021437765	-00.8855296	336940.1668719484	4328963.9220620105	3041.107495887682	2948.741541371092	2893.503556251946	2893.650443852137	55.02970925495521
527	25	18287	-23781.14133	8062327.3170250766	39.05457566172947	-00.883205	337141.2170241818	4328959.832985922	3038.685702386087	2947.515133931248	2942.196438727126	2892.897504988174	55.31869515912285
528	25	18288	-23121.14133	8062327.3170250766	39.054577257121124	-00.8808084	337342.2673024537	4328955.340476815	3036.1246848726545	2946.289505865754	2891.1766235177784	2891.76079695464	55.10932733897562
529	25	18289	-22461.14133	8062327.3170250766	39.05457880176272	-00.8785558	337543.3174211906	4328951.9595	3035.599955	2945.0515907881845	2890.753846303915	2890.732325692317	54.29774448269515
530	25	18290	-21801.14133	8062327.3170250766	39.054580313204276	-00.8762312	337744.36738153803	4328947.966759512	3031.05649050836	2943.0526100195	2890.650892897627	2890.6384411888225	53.17208491137262
531	25	18291	-21141.14133	8062327.3170250766	39.0545817789572	-00.8739066	337945.4711833562	4328943.978351297	3029.94548805173965	2942.56480870517	2890.688219172227	2890.6697163852251	51.8736678788976
532	25	18292	-20481.14133	8062327.3170250766	39.05458319696714	-00.8715819	338148.4682730876	4328939.590110209	3026.2635006112925	2941.521026252477	2890.64158255477	2890.694037564783	50.61801449
533	25	18293	-19821.14133	8062327.3170250766	39.05458456057844	-00.8693073	338349.1544077702	4328934.077849494	3023.01504848213	2940.504811944117	2892.6174083712416	2890.64548737976	49.3422209093179
534	25	18294	-19161.14133	8062327.3170250766	39.0545858956969	-00.8669327	338548.565409277	4328930.014128306	3020.1940482019325	2938.7944850945173	2890.590238651837	2890.534031238463	48.1984122335939
535	25	18295	-18501.14133	8062327.3170250766	39.05458716766087	-00.8646081	338749.6148111316	4328928.026387382	3033.931920333027	2938.182418543056	2890.4199890228576	2890.425092332464	47.10846192019837
536	25	18296	-17841.14133	8062327.3170250766	39.05458840385194	-00.8622835	338950.663822275	4328924.038412721	3030.615794019199	2936.2572770285306	2890.335811866673	2890.320889567143	45.92191584186321
537	25	18297	-17181.14133	8062327.3170250766	39.05458995142966	-00.8595859	339151.767299245	4328918.501407175	3024.7220648938703	2934.8808345382703	2890.405495931731	2890.3940139772913	44.58613800775921
538	25	18298	-16521.14133	8062327.3170250766	39.05459074	-00.8578343	339352.76137683717	4328916.0647862	3045.9884141369906	2933.698854601954	2889.95953774743	2889.95953774743	43.78900685452336
539	25	18299	-15861.14133	8062327.3170250766	39.0545918302474	-00.8555306	339563.80982054736	4328912.077849494	3042.9173897291905	2932.9173897291905	2889.071387230454	2889.071387230454	42.704458153667
540	25	18300	-15101.14133	8062327.3170250766	39.054592961546	-00.8532895	339745.0329699	4328906.00189006	3040.27606794131	2931.1172971353383	2888.05713533387	2888.05713533387	41.63673015484024
541	25	18301	-14541.14133	8062327.3170250766	39.05459391130612	-00.8506604	339955.9065348026	4328904.103	3045.045786338103	2929.817220578826	2888.317968291706	2888.3229265051455	41.49429420732714
542	25	18302	-13881.14133	8062327.3170250766	39.05459488	-00.8483358	340156.19546	4328901.168776415	3043.819241435249	2928.510533978586	2890.179945093824	2890.5737464963074	37.7276496630974
543	25	18303	-13221.14133	8062327.3170250766	39.0545959987715	-00.8460112	340358.0252432398	4328896.130427245	3042.1587551361995	2927.19678934057	2890.0755483652165	2890.521672564656	37.1212046880454
544	25	18304	-12561.14133	8062327.3170250766	39.0545969779755	-00.8436866	340559.050285304	4328892.14423369	3040.066195791515	2925.875693131365	2887.999185006298	2887.999185006298	37.6426351240949
545	25	18305	-11901.14133	8062327.3170250766	39.0545979098244	-00.8413819	340760.9079907024	4328888.158601074	3037.97363544114	2924.547028934083	2886.7932588616213	2886.8452987258	37.07702214433934
546	25	18306	-11241.14133	8062327.3170250766	39.0545989138581	-00.8390733	340961.7462484874	4328882.07869446	3035.77554733601	2923.11048458213	2886.1448541228677	2886.1448541228677	36.482458795783
547	25	18307	-10581.14133	8062327.3170250766	39.05459985384845	-00.8367127	341162.1923765674	4328878.18651074	3032.56537440451	2921.68375899739	2887.64307955515	2887.811930773578	34.2243965346639
548	25	18308	-9921.141327	8062327.3170250766	39.0545993593841	-00.834381	341363.297856271	4328876.706381023	3028.022772146263	2920.0515034578958	2886.474411403232	2886.732657186238	33.4062315862575
549	25	18309	-9261.141327	8062327.3170250766	39.0546003842825	-00.8320635	341564.286660875	4328872.215541933	3025.8405988670754	2919.1531404625173	2887.749231253028	2888.006944298484	31.78276960345202
550	25	18310	-8601.141327	8062327.3170250766	39.05460096017995	-00.8297389	341765.3336914781	4328868.203307582	3023.93891811888	2917.782913318146	2885.61328455818	2885.805785052151	31.696234759677
551	25	18311	-7941.141327	8062327.3170250766	39.05460155870762	-00.8274413	341966.8804	4328864.245323989	3021.942026543556	2916.40518403917967	2885.621693170967	2885.621693170967	31.583404091
552	25	18312	-7281.141327	8062327.3170250766	39.05460276497175	-00.8250084	342167.4268989586	4328862.360238827	3020.139526194781	2915.02070994128	2879.91905995834	2880.136140545173	30.1006983417873
553	25	18313	-6621.141327	8062327.3170250766	39.0546034382067	-00.8226912	342368.7581494781	4328858.7581494781	3018.2581494781	2913.2581494781	2877.64307955515	2877.64307955515	29.07702214433934
554	25	18314	-5961.141327	8062327.3170250766	39.05460397737589	-00.8204496	342569.5194777031	4328852.291020085	3016.228765949173	2912.228765949173	2875.722323650139	2875.722323650139	28.27760734922055
555	25	18315	-5301.141327	8062327.3170250766	39.05460336	-00.8181158	342770.565336827	4328848.36671202	3014.841994543763	2910.823237890069	2870.689560247215	2870.904504264115	27.39191832695379
556	25	18316	-4641.141327	8062327.3170250766	39.054603865418	-00.8157912	342971.611441346	4328844.32280164	3013.66172748427	2909.411523083094	2867.761163989656	2867.93340567443	26.41250392
557	25	18317	-3981.141327	8062327.3170250766	39.05460389194317	-00.8134666	343170.571958917	4328840.33809965	3012.9739324477306	2893.98324477306	2863.58467875069	2863.616307716381	24.4909245655109
558	25	18318	-3321.141327	8062327.3170250766	39.0546042032046	-00.8111419	343373.7027975242	4328836.34406295	3002.339647276414	2906.5710948035817	2859.68641944246		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BRfElevKgr.ft	BRfElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft	
635	25	18397	48816.8586730335	080237.3170250766	39.04448197879781	-100.6274975	59255.8397605445	428522.152115977	2883.1932739153235	2970.9712350376	2757.665102628817	2757.5380321896373	32.3309092769192	33.45980034
636	25	18398	48747.8586730335	080237.3170250766	39.04447864	-100.6251229	59456.87379133096	428518.115068368	2879.903563699506	2789.400699161753	2757.6666219875109	2757.6412386678009	31.8343747261467	31.959731048367303
637	25	18399	48738.8586730335	080237.3170250766	39.044475249912	-100.6226483	59587.8076576567	428512.11139474	2878.195421491417	2788.2204833482383	2757.994007482383	2759.7403343693993	30.19870743178986	30.19870743178986
640	25	18400	48709.8586730335	080237.3170250766	39.04447181325498	-100.6205728	59585.94144402085	428510.140268767	2877.078690812294	2788.653813845157	2758.6753047076296	2758.6962214514887	28.7801376880053	28.0662969026944
641	25	18401	48709.8586730335	080237.3170250766	39.04446833404095	-100.6181199	36005.975066346	428506.270783783	2876.22406022314	2785.36501628837	2759.800090391667	2759.8002170920635	25.55606637169958	25.56478936770785
642	25	18402	48718.8586730335	080237.3170250766	39.0444681172708	-100.6158744	36021.0085529191	428502.300855008	2875.41012842334	2783.34521366397	2761.4275593712123	2761.4181384366397	22.155961965262	22.251369165262
643	25	18403	48728.8586730335	080237.3170250766	39.0444612436135	-100.6135498	36042.0419039647	428498.31092203	2875.516235456593	2782.516624968089	2763.5937112647026	2763.5937112647026	18.8521732849054	18.8521732849054
644	25	18404	48734.8586730335	080237.3170250766	39.044573059979	-100.6112252	36063.071196333	428494.361	2876.531735	2781.094149821058	2768.1804951042277	2768.1804951042277	14.13654747820816	14.13654747820816
645	25	18405	48740.8586730335	080237.3170250766	39.044539786658	-100.6089896	36084.1020011943	428490.364696	2877.550766932098	2780.259117910818	2768.700417497481	2768.700417497481	10.84195954230867	10.84195954230867
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647	25	18407	48751.8586730335	080237.3170250766	39.0444652	-100.6024514	36126.1735697239	428482.454	2878.501154	2780.259117910818	2768.71173506381	2768.71173506381	8.033625659719014	8.033625659719014
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649	25	18409	48763.8586730335	080237.3170250766	39.0444388203456	-100.5996022	36168.2937151635	428474.51600108	2878.184518473696	2773.948805120861	2758.945482338047	2758.945482338047	10.564170918742	10.564170918742
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654	25	18414	48798.8586730335	080237.3170250766	39.044190397428	-100.5879792	36267.3990777934	428454.6565111	2872.691754579308	2768.972779594472	2741.930186265085	2742.8423336124356	20.839634623074	20.839634623074
655	25	18415	48798.8586730335	080237.3170250766	39.0441482	-100.5856546	36287.43161833193	428450.78688393	2872.599626331978	2765.605628193398	2739.581647179544	2739.581647179544	20.0406075485395	20.0406075485395
656	25	18416	48798.8586730335	080237.3170250766	39.044172251776	-100.58333	36307.45423225967	428446.739	2874.247826648043	2737.416901731463	2738.4072757114036	2738.4072757114036	20.8302523317297	20.8302523317297
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664	25	18424	48798.8586730335	080237.3170250766	39.043791317246	-100.5647331	36468.3113277007	428414.00441155	2870.8572717169136	2753.66842405297	2717.5101132504245	2717.5101132504245	36.14622915387184	36.14622915387184
665	25	18425	48798.8586730335	080237.3170250766	39.043748135436	-100.562483	36488.4174778524	428409.3176824	2870.547436281583	2752.43054772812	2714.7845507867	2714.7845507867	37.8874837348719	37.8874837348719
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675	25	18435	48798.8586730335	080237.3170250766	39.0432335684975	-100.5391625	36685.938927884	428371.367262945	2840.477232278524	2739.5906652330452	2691.572380415148	2691.572380415148	47.886374275884	47.886374275884
676	25	18436	48798.8586730335	080237.3170250766	39.0431830700454	-100.5368379	36706.0678855127	428367.421986557	2837.58433948441	2738.3254831155	2689.814716975454	2689.814716975454	48.15387675129403	48.15387675129403
677	25	18437	48798.8586730335	080237.3170250766	39.04313212386346	-100.5345133	36729.09674965657	428363.457862517	2834.114869905057	2737.060500384567	2687.70602890803	2687.70602890803	49.35440723274355	49.35440723274355
678	25	18438	48798.8586730335	080237.3170250766	39.04308077626095	-100.5321887	36748.1248539747	428359.4390341715	2833.498138956748	2735.7945801817614	2685.43895306447	2685.43895306447	50.35662067531364	50.35662067531364
679	25	18439	48798.8586730335	080237.3170250766	39.043032391346	-100.5299156	36769.154839513	428355.491296513	2832.43392796583	2734.6329736583	2684.3927962583	2684.3927962583	51.09221817472	51.09221817472
680	25	18440	48798.8586730335	080237.3170250766	39.04297675687705	-100.5275395	36790.1826	428351.56644515	2825.19340883274	2733.264339571478	2681.234557501086	2681.234557501086	52.01031388605205	52.01031388605205
681	25	18441	48798.8586730335	080237.3170250766	39.0429									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogs.kg.f	BRElevBoth.kg.f	SatThLogs.f	SatThBoth.kg.f
23	26	18523	-356421.1413	808897.3170250766	39.089870349199046	-102.0547677	335791.35215171613	4313193.0440173615	401.54183165651182	3656.8943635033322	381.0110820255447	3851.8119257353446	5.79254309485332	5.062437614987612
24	26	18524	-355761.1413	808897.3170250766	39.089845472652696	-102.0524433	335992.5083403367	4313188.99172832	401.543810663697	3655.98696564155	3849.500858257087	3850.589132026624	6.77979138282366	5.000558404753065
25	26	18525	-355191.1413	808897.3170250766	39.089816751217375	-102.0501192	336193.5943633034	4313184.98587216	401.5407167262458	3654.283527403528	3847.230681585366	3848.947110899187	7.038232414352343	5.336416414352343
26	26	18526	-354441.1413	808897.3170250766	39.08984288	-102.047795	336292.8190359093	4313180.821615607	401.540623968611835	3654.1008942505981	3845.1008942505981	3846.95510602989	7.73769950109667	5.990157276
27	26	18527	-353781.1413	808897.3170250766	39.08996973679545	-102.0454707	336595.95733397173	4313176.748	401.5402345227028	3651.66499245848	3843.112572935122	3844.87266590476	8.55241910326018	6.792126134172122
28	26	18528	-353121.1413	808897.3170250766	39.0899101757695	-102.0431464	336797.13047562388	4313172.674203783	401.5403536	3650.352217457641	3840.67672856547	3842.6442625856173	9.76788892	6.707988924681404
29	26	18529	-352461.1413	808897.3170250766	39.09001501658205	-102.0408022	336998.28535612056	4313168.6007359	401.5417028993314	3849.03745254332	3838.271999592187	3840.23396533299	10.78502510131458	8.71455711972935
30	26	18530	-351801.1413	808897.3170250766	39.090038970704214	-102.0384978	337199.43987566972	4313164.52744162	401.54040022226033	3847.726958619556	3835.688670101376	3837.953495287139	12.03801551817969	9.780732748262835
31	26	18531	-351141.1413	808897.3170250766	39.090062879549585	-102.0361738	337400.5943633034	4313160.95436316	401.5407167262458	3654.283527403528	3847.230681585366	3848.947110899187	13.0786494665168	10.91584834241163
32	26	18532	-350481.1413	808897.3170250766	39.09008674238627	-102.0338943	337601.74853272602	4313156.38142912	401.54093783622673	3645.11268270991	3830.724561155875	3830.724561155875	14.38904111522533	12.54671116239895
33	26	18533	-349821.1413	808897.3170250766	39.090110563737355	-102.0315251	337802.90327036537	4313152.30869371	3984.731181534427	3843.80947024337	3828.0509249145127	3829.74181372294	15.653410819511	11.046765701546874
34	26	18534	-349161.1413	808897.3170250766	39.09013438239026	-102.0292008	338004.05594840533	4313148.23606483	3975.4839260791933	3842.508626149045	3825.413320858905	3826.80803484187	17.095280050565996	15.70052426564702
35	26	18535	-348501.1413	808897.3170250766	39.0901580679126	-102.0268765	338205.2095623208	4313144.13638944	3968.370865703982	3841.2098765725057	3822.87035824754	3824.87918789806	18.3304070319638	16.003464814404
36	26	18536	-347841.1413	808897.3170250766	39.0901817527395	-102.0245523	338406.3623447153	4313140.01385846	3960.401604128549	3839.012987071262	3820.4946623389343	3823.940357670855	19.418524407371966	15.972449405270709
37	26	18537	-347181.1413	808897.3170250766	39.09020539264722	-102.022228	338607.551231071	4313136.01930826	3958.452097480137	3838.617798024814	3817.95216693874	3822.04739037336	20.465624264044	16.57031946483537
38	26	18538	-346521.1413	808897.3170250766	39.090229867650875	-102.0199377	338808.0676624317	4313131.94739033	3953.456811577853	3837.323747753308	3816.166233095314	3820.33992959776	21.1575168016695	16.98380177033144
39	26	18539	-345861.1413	808897.3170250766	39.090252537764876	-102.0175794	339009.81904264816	4313127.876	3950.370349502422	3836.030941921915	3814.666883222547	3818.54359126874	22.35243559660595	17.48652795041615
40	26	18540	-345201.1413	808897.3170250766	39.0902764298922	-102.0152551	339210.1971963967	4313124.8047813	3943.1715324959287	3834.79021159207	3812.968570241933	3817.106280234932	23.71400571272407	17.57840524251197
41	26	18541	-344541.1413	808897.3170250766	39.09029953323885	-102.0128308	339412.1372685885	4313119.73268254	3937.9271487015963	3833.4480813513032	3811.0022245957034	3815.4784085870396	24.23586755599834	17.97524049420963
42	26	18542	-343881.1413	808897.3170250766	39.0903221876874	-102.0106066	339613.2752307194	4313115.61	3946.772714801664	3832.15783169538	3808.82844963771	3814.224477634619	25.3293673436771	18.353340652071
43	26	18543	-343221.1413	808897.3170250766	39.0903462938234	-102.0082823	339814.42647665437	4313111.5903809	3939.93910354105	3830.86791780549	3806.351782820095	3813.479671444214	25.1653982340257	19.73623613130903
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46	26	18546	-341241.1413	808897.3170250766	39.09041613149698	-102.0013094	340417.8786642859	4313099.37204017	3936.5045053	3826.955104141847	3796.079264443619	3808.810658877226	29.0156397	18.1805254115054
47	26	18547	-340581.1413	808897.3170250766	39.090439322545345	-101.9988851	340619.0288811772	4313095.30766543	3926.753049631148	3824.70046311487	3792.494716218706	3807.788017442224	31.02577847717224	17.978989545724584
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49	26	18549	-339261.1413	808897.3170250766	39.09048556996616	-101.9943365	341021.328539092	4313087.17627425	3920.755074957307	3822.0889577583027	3786.22171797511	3810.491279454533	36.8859607961705	12.607365294629195
50	26	18550	-338601.1413	808897.3170250766	39.090508626291474	-101.9920122	341222.47778626717	4313083.097764572	3917.428759433007	3821.788355706253	3783.750735112185	3809.763381757327	38.076205946044	13.72967117892964
51	26	18551	-337941.1413	808897.3170250766	39.090531637729608	-101.9898678	341423.6164203047	4313079.5450071	3916.0213387414857	3820.797486217	3782.9196804551708	3808.34761384582	39.48862271688838	15.67889012093
52	26	18552	-337281.1413	808897.3170250766	39.0905546042715	-101.9873638	341624.776100093	4313075.95850094	3916.0213387414857	3820.797486217	3782.9196804551708	3808.34761384582	40.9836903249	16.2901939053683
53	26	18553	-336621.1413	808897.3170250766	39.09057725250628	-101.9850393	341825.947344316	4313071.88902085	3916.0213387414857	3820.797486217	3782.9196804551708	3808.34761384582	42.4869012093	15.67889012093
54	26	18554	-335961.1413	808897.3170250766	39.0906004269072	-101.982715	342027.071925603	4313068.82003311	3915.8162021915594	3816.43006204734	3780.359027381785	3793.995206259315	43.76462862058906	22.4407987284249
55	26	18555	-335301.1413	808897.3170250766	39.09062324564845	-101.9803907	342228.2213549514	4313065.70110152	3915.8162021915594	3816.43006204734	3780.359027381785	3793.995206259315	45.0007344497034	20.24085731344036
56	26	18556	-334641.1413	808897.3170250766	39.09064602	-101.9780664	342429.3696172103	4313062.88127502	3922.29317789899	3815.055139936194	3781.96135728483	3784.60145502317	46.05345117136218	19.05367451162274
57	26	18557	-333981.1413	808897.3170250766	39.09066876356195	-101.9757421	342630.516931071	4313058.61304656	3925.825822700275	3812.226855762322	3783.7781615148865	3785.000519861962	48.48487425143558	15.67889012093
58	26	18558	-333321.1413	808897.3170250766	39.09069146984566	-101.9734718	342831.664203047	4313054.5450071	3924.4213387414857	3810.797486217	3782.9196804551708	3808.34761384582	49.9836903249	16.2901939053683
59	26	18559	-332661.1413	808897.3170250766	39.09071411315728	-101.9710935	343032.81145033825	4313050.47686104	3928.166533386151	3809.280497915005	3787.878903154327	3780.787891431747	51.2440757650678227	48.4961830135349
60	26	18560	-332001.1413	808897.3170250766	39.0907362570918	-101.9687952	343233.9583365015	4313042.409	3927.12722660224	3807.765130775147	3789.284248190843	3761.901504789194	52.8862584304257	45.8636259600772
61	26	18561	-331341.1413	808897.3170250766	39.09075928310486	-101.9664449	343435.1046683935	4313038.341	3921.0589119232954	3806.217528792637	3790.32030077595	3766.22300775959	54.89142580166849	39.9889715288774
62	26	18562	-330681.1413	808897.3170250766	39.09078180075116	-101.9641205	343636.25145372844	4313034.27257536	3917.005102486737	3804.621741297265	3790.015963408186	3761.901713880352	56.16057788844682	37.84060249373897
63	26	18563	-330021.1413	808897.3170250766	39.0908027350123	-101.9617962	343837.3974688748	4313030.205081971	3915.8162021915594	3802.9933622251786	3788.47	3763.197274271727	58.49219744288713	39.8020305801580
64	26	18564	-329361.1413	808897.3170250766	39.09082670136056	-101.9594719	344038.5319033774	4313026.138	3916.0213387414857	3802.9933622251786	3788.47	3763.197274271727	60.48487425143558	15.67889012093
65	26	18565	-328701.1413	808897.3170250766	39.09084931691391	-101.9571847	344239.684203047	4313022.95830396	3916.0213387414857	3802.9933622251786	3788.47	3763.197274271727	62.48487425143558	15.67889012093
66	26	18566	-328041.1413	808897.3170250766	39.09087142240897	-101.9548233	344440.831532111	4313018.003	3904.90371421077	3797.8468954547	3787.83457073437	3749.6257305021976	64.4961830135349	15.67889012093
67	26	18567	-327381.1413	808897.3170250766	39.09089371559393	-101.9524899	344641.9794327167	4313013.936213396</						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatSfthLog.ft	SatHtBoth.ft
149	26	18649	-272361.1413	808897.3170250766	39.05265898963043	-101.7619	15135.03581913243	4330681.025424412	3648.493776	3591.374408580476	3527.8340369484167	3521.1543688118313	63.540337132059305	70.22020376864471
150	26	18650	-272601.1413	808897.3170250766	39.052657556740709	-101.7595796	261336.16061199663	4330676.972602419	3648.0365105743695	3588.4886928739975	3522.3373872535569	3515.92586239693	66.15130558042802	72.5623051700439
151	26	18651	-272841.1413	808897.3170250766	39.052657669694	-101.7578715	261537.2361686976	4330672.918604484	3647.691542934253	3595.594476026027	3515.737095170987	3511.59116178315	69.22446214354596	74.0040142428922
152	26	18652	-2721281.1413	808897.3170250766	39.06204556279009	-101.7545927	2617328.4094984373	4330687.867466808	3632.458873635276	3582.69459529177	3509.968721298717	3505.407105238573	72.7058131610315	77.22440050020173
153	26	18653	-270621.1413	808897.3170250766	39.06204288707105	-101.7526023	261939.53374542588	4330664.815	3622.226204251175	3579.786602	3502.7102584830645	3498.671405511944	72.02566912854	81.10856563415576
154	26	18654	-26961.1413	808897.3170250766	39.0266137624096	-101.7502778	262140.657423868	4330660.763014093	3611.9935348645933	3576.869740393103	3494.641505799115	3491.119923806729	67.874881658427396	85.74981658427396
155	26	18655	-269301.1413	808897.3170250766	39.026679718880646	-101.7479534	262341.78103795415	4330656.711034242	3602.6021901398635	3573.9453790613734	3485.835668109676	3482.6426887583027	88.10971095	91.3024914930705
156	26	18656	-26864.1413	808897.3170250766	39.0269802	-101.745629	262342.904160507	4330652.69241519	3594.11130358438	3571.012890425134	3475.81047118618	3473.098447293722	95.70241947439523	97.91444364979135
157	26	18657	-267981.1413	808897.3170250766	39.0267162847728	-101.7433405	262744.027268214	4330648.60780816	3588.6307055898016	3565.1272244173275	3464.8418831841683	3462.559496180564	103.2383274238914	105.512742378914
158	26	18658	-267321.1413	808897.3170250766	39.02673447743417	-101.7409801	262945.156072072	4330644.55614815	3577.097108	3555.1224010277047	3453.773134389904	3451.636951425713	111.351106674536	113.4572896136168
159	26	18659	-266661.1413	808897.3170250766	39.02675250449676	-101.7386556	263146.27314456944	4330645.45664564	3568.15834532303	3562.170038454999	3448.04709404755	3446.2804225824	114.1222941124386	116.4016933041655
160	26	18660	-266001.1413	808897.3170250766	39.02677057867364	-101.7363312	263347.3956853794	4330642.4557372749	3562.877890730814	3559.209187294535	3452.454037710751	3450.25800280106	106.75514958378	108.9846864737242
161	26	18661	-265341.1413	808897.3170250766	39.0277888319776	-101.7340068	263548.517891704	4330636.403	3556.2399450736325	3549.4501124205057	3456.9412073554045	3457.88265312581	99.2987371822804	54.87288611365145
162	26	18662	-264681.1413	808897.3170250766	39.0280086	-101.7316823	263749.6386411097	4330635.19199355	3548.601993941836	3549.601993941836	3465.77995017743	3462.820437640057	83.8220347640057	86.781590175431
163	26	18663	-264021.1413	808897.3170250766	39.0282484381199	-101.7293579	263950.761602129	4330624.301387628	3548.977131347628	3549.977131347628	3471.051620709769	3468.886583625237	83.8912697	83.8912697
164	26	18664	-263361.1413	808897.3170250766	39.0284273240421	-101.7270334	264151.8831080132	4330620.250493876	3547.385340934567	3547.2842050496406	3475.09613595815	3472.65409674606	71.18815909412706	74.6300097154371
165	26	18665	-262701.1413	808897.3170250766	39.0286067609827	-101.724709	264333.0540796167	4330616.200674087	3544.7560505213064	3544.2813548228364	3478.338210289027	3476.43427595664	66.8888379303733	67.8496277217227
166	26	18666	-262041.1413	808897.3170250766	39.0287852489588	-101.7223485	264554.12548176204	4330612.510572257	3542.1717601085	3541.269681720839	3481.2296816102225	3477.8577059274	64.0000011061635	64.0000011061635
167	26	18667	-261381.1413	808897.3170250766	39.02896328806276	-101.7200601	264755.2462246498	4330608.100640374	3536.502224077693	3538.2944863406832	3483.025823378794	3479.378268209304	55.224202961889205	58.851858319752864
168	26	18668	-260721.1413	808897.3170250766	39.0291408781835	-101.7177356	264956.3679788795	4330607.05887437	3535.220817	3535.220817	3484.328918304534	3480.3478279215647	50.9881982285745	54.87288611365145
169	26	18669	-260061.1413	808897.3170250766	39.02939180193574	-101.7154112	265157.4871	4330601.01286435	3539.1676607753037	3532.183711437132	3485.010965963005	3480.92274332253	47.172745183148	51.25647704
170	26	18670	-259401.1413	808897.3170250766	39.0295949115847	-101.7130867	265365.6072471356	4330595.351646365	3538.50791371248537	3528.381172289484	3485.2987039712077	3481.1405667384036	47.970055103376	47.970055103376
171	26	18671	-258741.1413	808897.3170250766	39.0297918863936	-101.7108415	265574.142285817	4330589.818672967	3538.646645339962	3538.646645339962	3478.712836468946	3478.144611789197	29.44021804429413	29.44021804429413
172	26	18672	-258081.1413	808897.3170250766	39.029849514919534	-101.7084378	265760.8458761078	4330587.854	3537.503558172007	3523.021811556635	3484.7273618559097	3480.79530330017	32.8980497002615	42.227858281908
173	26	18673	-257421.1413	808897.3170250766	39.0300222045806	-101.7061134	265961.9668102023	4330583.804617656	3531.5767034634935	3519.9510077607897	3484.0544583091924	3480.588022365626	38.2980497002615	42.227858281908
174	26	18674	-256761.1413	808897.3170250766	39.0301969910162	-101.7037889	266163.085324629	4330579.756	3537.64296525911584	3516.8718050893513	3483.183771769474	3479.91435508343	33.68803292043816	36.95745005920236
175	26	18675	-256101.1413	808897.3170250766	39.03030714385036	-101.7014644	266364.2043126336	4330575.70730273	3532.300458911626	3513.7842194814234	3482.153041752326	3479.065181219659	31.7493826176458	31.7493826176458
176	26	18676	-255441.1413	808897.3170250766	39.03054453704184	-101.69914	266565.3230317787	4330571.695	3535.479488078026	3510.684431619533	3480.98855236301	3480.98855236301	29.6998792932525	32.3057773
177	26	18677	-254781.1413	808897.3170250766	39.0307918986336	-101.6968758	266764.142681807	4330569.23087967	3535.6864585339962	3507.4728942547564	3487.44510577596	3487.44510577596	19.2054040136208	19.2054040136208
178	26	18678	-254121.1413	808897.3170250766	39.0309920872701	-101.6944911	266957.5597771545	4330563.65200407	3535.177027018152	3504.47389	3476.705376106906	3476.705376106906	18.20489489040214	18.20489489040214
179	26	18679	-253461.1413	808897.3170250766	39.0310613878955	-101.692166	267168.677604899	4330559.514711383	3535.453899735638	3501.354935145267	3476.500835644667	3475.564668089967	16.8883709505965	25.789727055303
180	26	18680	-252801.1413	808897.3170250766	39.03112368416985	-101.6898421	267369.7960200067	4330555.466888218	3534.7757380713613	3498.228045111129	3474.97203831795737	3474.97203831795737	23.85539632940724	23.85539632940724
181	26	18681	-252141.1413	808897.3170250766	39.0314807	-101.6875177	267570.9131688912	4330551.419434093	3530.5615888747097	3495.096761288166	3473.56565286875	3472.797285722436	21.761123231941383	22.994904038303
182	26	18682	-251481.1413	808897.3170250766	39.0315800003246	-101.6851932	267772.030561658	4330549.372051435	3530.451543775825	3491.964129940735	3471.566465750547	3471.566465750547	20.3987481759202	20.3987481759202
183	26	18683	-250821.1413	808897.3170250766	39.0317509656211	-101.6828897	267973.1476312762	4330543.34837806	3527.285348073658	3488.817904202176	3469.618500207965	3469.618500207965	19.444326864290426	19.444326864290426
184	26	18684	-250161.1413	808897.3170250766	39.03192126344864	-101.680431	268174.2649149803	4330539.277794003	3527.11317687704	3485.8964576384	3467.44510577596	3467.44510577596	18.20489489040214	18.20489489040214
185	26	18685	-249501.1413	808897.3170250766	39.03209122111287	-101.6782198	268375.381408322	4330535.230020075	3527.07315465905	3482.512878506876	3465.104734782323	3465.104734782323	17.43928012	17.43928012
186	26	18686	-248841.1413	808897.3170250766	39.03226073015934	-101.6758953	268576.4976078655	4330531.184215863	3526.9432991623042	3479.50085293996	3462.4178517966343	3462.579837241316	16.9322349736172	16.9322349736172
187	26	18687	-248181.1413	808897.3170250766	39.03242290723785	-101.6735709	268777.6137519474	4330527.137861514	3526.5287897609813	3476.1795785024835	3459.4630456600617	3459.804328021817	16.37525520536517	16.37525520536517
188	26	18688	-247521.1413	808897.3170250766	39.0325984013631	-101.6712644	268979.7297145204	4330523.091316623	3527.8137966112734	3473.000097	3456.298217125937	3456.761134037686	16.702780284193068	16.239634366233045
189	26	18689	-246861.1413	808897.3170250766	39.03277665353545	-101.6689219	269178.8454870956	4330519.45122028	3525.098803477933	3469.814829781585	3457.9758098153716	3453.545166369671	16.038991966786964	16.038991966786964
190	26	18690	-246201.1413	808897.3170250766	39.03293247679154	-101.6665974	269380.96059472085	4330514.599097242	3527.383904812688	3466.6215739899	3456.6546258114	3450.31753881651	15.966105303764944	15.966105303764944
191	26	18691	-245541.1413	808897.3170250766	39.03310692568234	-101.6642815	269594.1263275767	4330509.79448635414	3526.9379448635414	3465.423492156	3454.72807867142	3447.3344	14.89489489040214	14.89489489040214
192	26	18692	-244881.1413	808897.3170250766	39.0332684	-101.6619485	269781.912830444	4330506.908	3526.380152145684	3460.217229828396	3444.116123240353	3444.915148426551	16.1010630490255	15.30205101844922
193	26	18693	-244221.1413	808897.3170250766	39.0333437226866	-101.659624	269							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatThkLogs.f	SatThkBoth.f
25	16	18775	-190101.1413	808897.3170250766	39.054548840429	-101.4690135	286474.966807264	4330171.707	332.4769651784804	3228.0126049216	3265.0491513018524	3261.7705056854343	0	0
276	26	18776	-189441.1413	808897.3170250766	39.05456780461739	-101.4668889	286676.0635187016	4330167.675324053	3322.5927977940983	3226.6397654345997	3258.2010053040496	3253.6327676390343	0	0
277	26	18777	-184821.1413	808897.3170250766	39.05456969232704	-101.4504147	286863.73417875305	4330138.644961324	3321.7086340981774	3225.249110945273	3251.7087489198145	3247.9816713885846	0	0
278	26	18778	-18121.1413	808897.3170250766	39.05405349035022	-102.4620398	330159.6218463466	4330156.612939389	3308.8244630253357	3232.888701643913	3243.756311831423	3242.3390224728204	0	0
279	26	18779	-187461.1413	808897.3170250766	39.054606265869935	-101.4597153	287279.3522025703	4330155.581996598	3298.946381135943	3222.566738643044	3240.1303434050537	3237.5102529529064	0	0
280	26	18780	-186801.1413	808897.3170250766	39.05461899649179	-101.4573907	287480.448	4330151.551222306	3294.0744147144884	3221.2530706179728	3234.70778434303	3231.5957513232604	0	0
281	26	18781	-186141.1413	808897.3170250766	39.05463182215756	-101.4550662	287681.543609355	4330147.520618399	3288.202434346984	3219.9803070043313	3229.579188313255	3227.496447587123	0	0
282	26	18782	-185481.1413	808897.3170250766	39.05464432304186	-101.4527416	287882.638996259	4330143.490182891	3282.3304619525197	3218.735500614538	3224.8904061234207	3227.4641368760336	0	0
283	26	18783	-184821.1413	808897.3170250766	39.05465916978005	-101.4478217	288054.73417875305	4330138.644961324	3278.558481796136	3217.5198519991484	3221.0466181811723	3220.2209266	0	0
284	26	18784	-184161.1413	808897.3170250766	39.0546594700029	-101.448025	288254.242943931	4330135.429819469	3277.896347677634	3216.529743016483	3218.361564917708	3218.0284561696835	0	0
285	26	18785	-183501.1413	808897.3170250766	39.05468197613254	-101.4457679	288485.92391239153	4330131.398991358	3268.014263956313	3215.16807628566	3216.5714323758854	3218.902969802883	0	0
286	26	18786	-182841.1413	808897.3170250766	39.054694437366854	-101.4434433	288687.0184663163	4330127.370132339	3252.542180041229	3214.033708601976	3215.150476583242	3218.36727362424	0	0
287	26	18787	-182181.1413	808897.3170250766	39.05470685370311	-101.4411188	288888.1128119155	4330123.340524394	3245.68972892354	3212.928610809042	3213.8608789725836	3217.1783847732604	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SatHLogs.ft	SatHBoth.ft
401	26	18901	-106941.1413	808897.3170250766	39.05828004228055	-101.76114	11811.5548	4239665.078986432	3254.231787066957	310.9051488248285	3115.8241537227964	3116.0930847230556	15.08099514188952	14.812604029229775
402	26	18902	-106281.1413	808897.3170250766	39.05683525712284	-101.737893	12102.62556422516	4239651.63490011	3254.122931273533	3129.7898970813896	3118.2936807467364	3118.492541117798	11.33962906653266	11.336472969591778
403	26	18903	-105621.1413	808897.3170250766	39.05842463812285	-101.714457	13127.83681258495	4239657.953618784	3245.0263749813648	3128.698928316284	3119.8124827487644	3122.986438389622	8.85661651387798	8.85661651387798
404	26	18904	-104961.1413	808897.3170250766	39.05849628372285	-101.6917401	13214.7695064834	4239643.03096173	3248.144018201655	3127.604273322224	3119.7173450567054	3119.417400546462	7.889692847517023	7.832818056600728
405	26	18905	-104301.1413	808897.3170250766	39.0585674660255	-101.668154	13215.84017722025	4239649.03039614	3244.194361418962	3126.52045897221	3118.941973481503	3122.042718680607	7.5784859591917	7.47818720936192
406	26	18906	-103641.1413	808897.3170250766	39.05863819325956	-101.644908	13216.9117722015	4239645.024386157	3240.2444840552193	3125.4486480525193	3117.4590589092585	3117.521071310352	7.59805899934281	7.527577014369035
407	26	18907	-102981.1413	808897.3170250766	39.0587084836244	-101.621661	13217.90138255399516	4239641.051	3239.37002882755483	3124.39062882755483	3115.4969025027529	3115.02502880717	8.89473857051872	8.845626019066913
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409	26	18909	-101661.1413	808897.3170250766	39.0588477052145	-101.5757189	13220.12366147354	4239632.986823396	3243.7749236468118	3122.5240715004024	3110.9389749276818	3110.628185325198	11.38469567636192	11.45586178845376
410	26	18910	-101001.1413	808897.3170250766	39.0589164255058	-101.5551922	13162.1193493675	4239628.987972841	3245.9769134587	3121.317095297713	3107.901724647983	3107.172130986159	13.115537064972996	13.14457253612412
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430	26	18930	-87801.1413	808897.3170250766	39.06021010975035	-101.086993	1317642.5615380534	4239548.45245458	3216.93790470079	3102.7102173104	3062.78413192726	3062.78413192726	43.7541927852094	43.7541927852094
431	26	18931	-87141.1413	808897.3170250766	39.0602605661805	-101.063747	1317843.628026181	4239544.840022481	3216.937479425555	3101.544916624736	3061.5409380970944	3061.5409380970944	45.00337771697124	45.13556637046435
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434	26	18934	-85161.1413	808897.3170250766	39.0604343646155	-100.99407	1318446.826397454	4239532.79236534	3208.79772329634	3097.085260686154	3057.24475	3057.3786627511345	39.727179857054	39.6282651356809
435	26	18935	-84501.1413	808897.3170250766	39.0604941485908	-100.970761	1318647.89216714987	4239528.821313527	3206.35672744845	3096.2297802038815	3056.2716493451712	3058.30038132396	39.568586623102	39.36267207148351
436	26	18936	-83841.1413	808897.3170250766	39.0605511418347	-100.947514	1318849.5877589373	4239524.817	3205.52303097142	3095.3081978724	3054.140794172824	3054.140794172824	40.34819718724	39.52810228305
437	26	18937	-83181.1413	808897.3170250766	39.0606082201922	-100.924268	1319047.92371242866	4239520.812516651	3204.698625320919	3094.51778	3053.998008412851	3053.998008412851	41.89648619574897	41.89648619574897
438	26	18938	-82521.1413	808897.3170250766	39.0606654911852	-100.901021	1319251.0848081131	4239516.808370085	3203.879104362957	3093.61577265913	3053.226784230052	3054.93519107675	34.3899292726601	34.67635815823631
439	26	18939	-81861.1413	808897.3170250766	39.0607260573516	-100.877775	1319452.1534679636	4239512.80439142	3202.95125545136	3092.658792209247	3053.166544190872	3052.706143817745	35.92292801837485	34.9876438150526
440	26	18940	-81201.1413	808897.3170250766	39.060775945121	-100.854528	1319653.2183050095	4239508.80058058	3202.4624307232093	3085.75436589586	3050.7343400776706	3050.7343400776706	37.521025218746	35.54219438741666
441	26	18941	-80541.1413	808897.3170250766	39.0608309966636	-100.831282	1319854.2830553896	4239504.796837791	3201.79839315	3083.7998343096638	3048.0791450119395	3047.5257209409994	35.7208892972422	35.7208892972422
442	26	18942	-79881.1413	808897.3170250766	39.060885615411	-100.808035	1320055.3758407273	4239500.73462781	3201.871332	3081.83190931505	3047.0421552338	3047.0421552338	37.5467837916777	37.145612681482
443	26	18943	-79221.1413	808897.3170250766	39.0609412688042	-100.784819	1320261.5814562634	4239496.41562634	3200.94141279503	3080.8741562634	3046.244181541219	3046.244181541219	39.52810228305	39.52810228305
444	26	18944	-78561.1413	808897.3170250766	39.06099353109184	-100.761542	1320457.471420414	4239492.787015395	3200.8741562634	3079.85674218305	3045.4761173493	3045.4761173493	40.34819718724	40.34819718724
445	26	18945	-77901.1413	808897.3170250766	39.0610466	-100.738296	1320658.50411245864	4239488.784	3200.8192050265176	3075.86				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogsKrg.	BRIEVEBothsKrg.	SatHtLogs.	SatHtBoths.
527	1902	-23781.14133	808897.3170250766	30.09638828127616	-00.8832071	33714.2088551345	4329161.11082693	3038.5915456686316	2747.1019170891122	2890.534771624495	2890.6979685080896	2890.534771624495	56.40934858102263	56.40934858102263
528	1902	-2321.141133	808897.3170250766	30.09639876708194	-00.8808284	33734.258955044	4329157.122	3036.977786650729	2945.8845293112388	2889.5845293112388	2889.5845293112388	56.2361074102645	56.2361074102645	
529	1902	-2246.14133	808897.3170250766	30.096393286681	-00.785577	33747.3089516117	4329153.30265512	3035.362483925663	2889.683692585663	2889.683692585663	2889.683692585663	55.76381714452991	55.76381714452991	
530	1903	-21801.14133	808897.3170250766	30.096393286681	-00.7823231	33748.358692044	4329144.1425328	3034.436928170185227	2888.47638501796	2888.47638501796	2888.47638501796	54.29943241441396	54.29943241441396	
531	26	-2041.141133	808897.3170250766	30.09639430247216	-00.7873904	33794.4083205908	4329145.155599096	3033.306682541067	2942.2048457277424	2888.2019193008337	2888.238634120878	54.0029624268074	53.96621160686436	
532	1903	-20481.14133	808897.3170250766	30.09635089042416	-00.7815837	3381.50479098986	4329147.167160004	3034.2854255038617	2940.9683560258067	2887.9683560258067	2887.9683560258067	53.10168622966246	53.10168622966246	
533	26	-19821.14133	808897.3170250766	30.096397180350216	-00.8692951	3383.51071031924	4329137.179	3035.1082997240729	2938.70277967959	2887.770561989352	2887.731735692496	51.89971598607164	51.99656478093024	
534	26	-19131.141133	808897.3170250766	30.0963850637499	-00.8669344	3385.5256257681	4329133.171	3036.075107394535	2938.487065548715	2887.60707420233	2887.552032837187	50.59919152680106	50.59919152680106	
535	26	-1891.14133	808897.3170250766	30.09639787469687	-00.8646097	3387.5346777776	4329129.30265512	3038.41878742583834	2937.23856933611	2887.645572722283	2887.605898871605	48.93796221669	48.93796221669	
536	1903	-17841.14133	808897.3170250766	30.0964102372094	-00.862285	3388.6540943824	4329125.15234912	3042.1133837925031	2937.44581895021	2889.22651190678	2889.22651190678	47.7603914	47.7603914	
537	26	-17181.14133	808897.3170250766	30.0964201542055	-00.859604	3391.557028	4329121.227671413	3045.00889189203	2934.7294303799451	2889.0230776029134	2889.089500860521	45.7063277703559	45.63929519427824	
538	26	-16521.14133	808897.3170250766	30.0964036149167	-00.8576357	3393.56173016134	4329117.240504689	3049.804341990261	2933.4666278480954	2889.18695252471	2889.287355075933	44.2803255526426	44.17922772164495	
539	26	-16039.1586133	808897.3170250766	30.0964044628908	-00.855311	3395.7796071184	4329120.253045689	3050.761528661374	2932.1982049092087	2887.9458418708986	2887.9061128700031	42.2526321201919	42.2526321201919	
540	26	-15201.14133	808897.3170250766	30.096405519598136	-00.8529864	3397.84878204014	4329109.259884445	3049.023851840426	2932.923851840426	2885.790291082446	2885.621473897404	40.2327645168518	40.2327645168518	
541	26	-14541.14133	808897.3170250766	30.09640553114338	-00.8506817	3399.8959575847	4329105.279908269	3044.08771893014	2929.64325295068	2884.34936227759	2884.34936227759	38.2938912280717	38.2938912280717	
542	26	-1381.14133	808897.3170250766	30.09640748812941	-00.848357	3401.6034369334	4329101.29230156	3045.12633404583	2928.35690305184	2887.57881982567	2887.57881982567	36.4883254262626	36.4883254262626	
543	26	-1321.14133	808897.3170250766	30.0964082004317	-00.8460123	3403.619915805417	4329097.306	3043.281765156716	2927.06206461759	2887.476058545334	2887.9886527932394	35.0864013322564	35.0734116445196	
544	26	-12561.14133	808897.3170250766	30.0964097050755	-00.8436877	3405.63167798486	4329093.31405072	3041.47095406667	2925.760970353116	2884.703365578455	2884.977263592136	34.057483	34.057483	
545	26	-11901.14133	808897.3170250766	30.0964101291645	-00.841363	3407.64087000016	4329089.337167025	3040.660120621664	2924.452133826578	2883.0229150124765	2883.158241247636	31.4922186170147	31.4922186170147	
546	26	-11241.14133	808897.3170250766	30.09641091377736	-00.8390383	3409.65137973204	4329083.347116144	3037.8492617146575	2923.315692973948	2882.6117320432422	2882.6117320432422	29.41261941472855	29.41261941472855	
547	26	-10581.14133	808897.3170250766	30.09641367136	-00.8367136	3411.661810982895	4329073.37423022	3034.546910668745	2921.811687241582	2883.6794817374063	2883.6794817374063	28.3320505417582	28.3320505417582	
548	26	-1048.14137	808897.3170250766	30.09641236503964	-00.834389	3413.77226045948	4329071.37497272	3032.972023298319	2920.4786662391696	2884.85943646467	2885.197833421	26.919622592439	26.919622592439	
549	26	-981.14137	808897.3170250766	30.09641198071233	-00.8318163	3417.45529589087	4329069.156972712	3030.165489716687	2919.818074722712	2884.76784678918	2884.76784678918	24.826204273734	24.826204273734	
550	26	-901.14137	808897.3170250766	30.09641361620541	-00.8297396	3417.691321534119	4329069.04544005	3029.16214761192	2917.728930429834	2881.319016220187	2881.4281495157527	23.645786279621	23.645786279621	
551	26	-8741.14137	808897.3170250766	30.09641178905285	-00.8274149	3419.78038711526	4329065.419324149	3014.71799634569	2916.42211551237315	2879.254719195252	2879.144808240871	21.367433982479335	21.367433982479335	
552	26	-7281.14137	808897.3170250766	30.09641469671192	-00.8250903	3421.71413859253	4329054.43263471	3008.620382149884	2915.053227407137	2877.2432290143565	2877.369820790545	19.8109373284056	19.8109373284056	
553	26	-6621.14137	808897.3170250766	30.09641517	-00.8227656	3423.72460809253	4329057.449	3002.5245665199	2913.67678668894	2875.136599804284	2875.136599804284	18.35041648	18.35041648	
554	26	-5961.14137	808897.3170250766	30.09641559761342	-00.8204409	3425.735066221539	4329053.464484046	2996.427851805135	2912.292056585193	2873.003719119138	2873.003719119138	16.92905438	16.92905438	
555	26	-5301.14137	808897.3170250766	30.09641598071233	-00.8181163	3427.745529589087	4329049.1818137	2994.1818137	2910.818137	2872.76784678918	2872.76784678918	14.346203683333	14.346203683333	
556	26	-4651.14137	808897.3170250766	30.0964174051196974	-00.8157819	3429.819572552	4329045.495701148	2992.11276013529	2909.50411779293	2868.34400402809	2868.34400402809	11.5717515400287	11.5717515400287	
557	26	-3981.14137	808897.3170250766	30.09641661	-00.8134669	3431.76438254523	4329041.511747925	2990.2266215494416	2908.100243698607	2865.0610736510657	2865.102883376414	9.4394070454112	9.4394070454112	
558	26	-3321.14137	808897.3170250766	30.0964168060155	-00.8114122	3433.77892539242	4329037.52742165	2985.8024371809616	2906.690471809616	2861.696424214782	2861.696424214782	7.493092059	7.493092059	
559	26	-2611.14137	808897.3170250766	30.09641706409545	-00.8088176	3435.78347960706	4329033.54532241	2986.271819420555	2905.27685960806	2858.785382549726	2858.785382549726	5.469303411080276	5.469303411080276	
560	26	-2001.14137	808897.3170250766	30.0964172268811	-00.8064929	3437.797962794	4329029.559809767	2983.615186193257	2903.857126722296	2857.963766326394	2857.963766326394	4.241780588902293	4.241780588902293	
561	26	-1341.14137	808897.3170250766	30.09641734	-00.8041862	3439.86246239185	4329025.576	2980.955405445625	2902.4533197258123	2860.904143136116	2860.954394394864	3.1517685919973	3.1517685919973	
562	26	-1092.14137	808897.3170250766	30.0964174051196974	-00.8019456	3441.8196	4329019.582650879	2980.3016548971655	2901.010551176688	2859.2684978271	2859.2684978271	2.4126204273734	2.4126204273734	
563	26	-1063.14123693	808897.3170250766	30.09641742905868	-00.7995189	3443.821910943181	4329017.6096843708	2979.0886256904404	2899.8032828217	2858.04710965223174	2858.04710965223174	1.4353550846477774	1.4353550846477774	
564	26	638.85867303514	808897.3170250766	30.09641740804626	-00.7971942	3445.835962464814	4329013.62585874	2979.31942434228	2898.153575223733	2858.204260470506	2863.422912395083	0.3495314753225735	0.3495314753225735	
565	26	1298.85867303514	808897.3170250766	30.09641734213268	-00.7948695	3447.85028884624	4329009.643707245	2977.550025921328	2896.22716690494	2861.233416272287	2861.37007017654	-0.49949195423072	-0.49949195423072	
566	26	1958.85867303514	808897.3170250766	30.09641723131785	-00.7925448	3449.8640720097315	4329005.60679524	2977.860276597794	2895.290415832667	2859.18583656359	2859.27562396059	-3.10457926630095	-3.10457926630095	
567	26	2618.85867303514	808897.3170250766	30.0964170561078	-00.7902202	3451.871921624814	4329001.678425172	2966.056646245825	2893.857214051554	2857.192384670446	2857.15187761762	-5.705382880229	-5.705382880229	
568	26	3278.85867303514	808897.3170250766	30.0964167849444	-00.7878985	3453.88131730039	4328997.566037659	2952.405111863967	2942.432454051464	2855.064054468489	2855.06381307737	-7.3736899535473	-7.3736899535473	
569	26	3938.85867303514	808897.3170250766	30.09641633904304	-00.785621	3455.8916244814	4328993.43484147	2943.43434348147	2934.43434348147	2854.43434348147	2854.43434348147	-9.60437426675264	-9.60437426675264	
570	26	4598.8586730351	808897.3170250766	30.09641633904304	-00.7832641	3457.90225421426	4328989.37163125	2935.8504021382968	2889.554048640045	2853.51037374436	2853.51037374436	-11.20304748796434	-11.20304748796434	
571	26	5258.8586730351	808897.3170250766	30.09641600372494	-00.7809215	3459.9620016446	4328985.76	2934.190635121559	2888.119520103922	2852.1382541728435	2852.134401609536	-13.881265931027	-13.881265931027	
572	26	5918.8586730351	808897.3170250766	30.09641562350244	-00.7785968	3461.92309130404	4328981.768	2936.0644710592	2886.685461090284	2852.60670504007	2852.614697562364	-16.3347313166201	-16.3347313166201	
573	26	6578.8586730351	808897.3170250766	30.0964152	-00.7762721									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtKgr.f
653	26	19153	59378.8586730335	808897.3170250766	39.0623570867409	-105.9029898	46726.3380403834	423869.801991692	287.6715783128952	2760.247276401883	2745.8544976801804	2746.7611777551683	23.52929384007894	21.446423930020004
654	26	19154	60038.8586730335	808897.3170250766	39.06231646559749	-105.9587939	46377.36974149337	423695.83320394	287.2007400311068	2742.790109068026	2742.796125303094	2743.0243042341638	23.058095800411486	23.058095800411486
655	26	19155	60698.8586730335	808897.3170250766	39.06222754	-105.9685613	46378.461393461	423651.866015185	287.116033870227	2740.045687909108	2740.045687909108	2740.045687909108	24.061830173203874	24.061830173203874
656	26	19156	61038.8586730335	808897.3170250766	39.0622378672837	-105.8833246	46379.47446937	423584.898726058	287.47179670420653	2740.06922035784	2737.6030694868487	2738.501572040082	24.8833551	25.5853425817013
657	26	19157	62018.8586730335	808897.3170250766	39.0621919081135	-105.8809999	46380.2640474533	423643.903700302	287.27199402091255	2762.7325066290246	2735.081621934206	2735.081621934206	27.650864984818665	26.62692142593699
658	26	19158	62678.8586730335	808897.3170250766	39.0621449093465	-105.786753	46381.49521715153	423635.963296011	287.821008375286	2761.37011	2732.5026081657757	2732.5026081657757	28.88440280844287	27.624611675117139
659	26	19159	63338.8586730335	808897.3170250766	39.06210662474704	-105.7635056	46382.5262548897	423635.963296011	287.3819410559483	2760.491429486806	2729.7446413194816	2731.287349406047	30.30201629199014	28.761793542633768
660	26	19160	63998.8586730335	808897.3170250766	39.0620633095059	-105.74026	46383.5571605708	423632.02980185	287.387491689752	2758.71859722489	2727.401171742817	2728.45059309643	31.71423250639463	31.71423250639463
661	26	19161	64658.8586730335	808897.3170250766	39.0620196453461	-105.71719	46384.5879339413	423623.962071329	287.3865057140093	2757.616787718337	2725.6175534790987	2727.1635604771165	33.07754028700828	33.07754028700828
662	26	19162	65318.8586730335	808897.3170250766	39.0619753321399	-105.6937596	46385.618765553	423624.055258053	287.335654418286	2756.07513342924	2727.73567101126	2734.3505694216224	33.4801140789345	33.4801140789345
663	26	19163	65978.8586730335	808897.3170250766	39.0619306691134	-105.67052	46386.648087288	423620.127851967	287.263530942196	2754.767903389513	2718.66146442248	2719.41640725042	36.1065564726549	35.35186264471355
664	26	19164	66638.8586730335	808897.3170250766	39.061885586817	-105.647273	46387.6746676933	423616.122400383	287.25597917157943	2753.4634764081243	2715.685179782991	2715.685179782991	37.77296623141	37.3121916
665	26	19165	67298.8586730335	808897.3170250766	39.0618399944364	-105.624027	46388.7705121025	423612.19606108	287.188148948394	2752.166411644417	2712.807480427246	2712.807480427246	39.3873121716571	39.18620438129756
666	26	19166	67958.8586730335	808897.3170250766	39.061793099177	-105.60078	46389.739823197	423608.23017039	287.200587625994	2750.070568363554	2709.889531620576	2709.889531620576	40.9057952796726	40.90158215779634
667	26	19167	68618.8586730335	808897.3170250766	39.061747509435	-105.557533	46390.76981978933	423604.26410491	287.880381458473	2749.581685622224	2707.010492199207	2707.010492199207	42.57154543314557	42.57154543314557
668	26	19168	69278.8586730335	808897.3170250766	39.06170062368174	-105.554527	46391.79967833778	423600.2892357625	288.4982902756303	2748.296238110109	2704.58421449561	2704.58421449561	43.71170941158044	43.535965831956
669	26	19169	69938.8586730335	808897.3170250766	39.06165326741165	-105.53104	46392.829046648	423596.32776775	288.918762830546	2747.01384254079	2702.56378979792	2702.56378979792	44.45000441611628	44.265395888941
670	26	19170	70598.8586730335	808897.3170250766	39.0616054621341	-105.5057974	46393.85899897176	423592.937618585	288.937331015846	2745.734769918504	2700.67092417651	2700.67092417651	45.0638257420769	45.1552042046355
671	26	19171	71258.8586730335	808897.3170250766	39.0615572078486	-105.484547	46394.88488465656	423588.402	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	45.790706842071	45.92889801229047
672	26	19172	71918.8586730335	808897.3170250766	39.061508545056	-105.461301	46395.9178023506	423584.43702964	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	46.233097540507	46.8944281227364
673	26	19173	72578.8586730335	808897.3170250766	39.061459322312	-105.438054	46396.96496740335	423580.472110792	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	47.11392837501274	47.4101312335098
674	26	19174	73238.8586730335	808897.3170250766	39.061409750235	-105.414807	46397.96187180435	423576.707359919	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	48.012638117322	48.2961603958654
675	26	19175	73898.8586730335	808897.3170250766	39.0613601929124	-105.391564	46398.96496740335	423572.937618585	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	48.90796070281	49.104009570872
676	26	19176	74558.8586730335	808897.3170250766	39.06130010212857	-105.368314	46399.96496740335	423568.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	49.8155004196152	49.8155004196152
677	26	19177	75218.8586730335	808897.3170250766	39.0612582259563	-105.345058	46400.96496740335	423564.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	50.725012088675	50.83895427373095
678	26	19178	75878.8586730335	808897.3170250766	39.061206559127	-105.321821	46401.96496740335	423560.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	51.48958649139704	51.48958649139704
679	26	19179	76538.8586730335	808897.3170250766	39.0611550092764	-105.298575	46402.96496740335	423556.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	52.25072538013627	52.25072538013627
680	26	19180	77198.8586730335	808897.3170250766	39.061107293863	-105.275238	46403.96496740335	423552.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	53.026861757817	53.026861757817
681	26	19181	77858.8586730335	808897.3170250766	39.0610689696984	-105.252088	46404.96496740335	423548.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	53.810493294495	53.810493294495
682	26	19182	78518.8586730335	808897.3170250766	39.0610206772065	-105.229383	46405.96496740335	423544.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	54.5935254212566	54.5935254212566
683	26	19183	79178.8586730335	808897.3170250766	39.06098431383674	-105.205859	46406.96496740335	423540.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	55.37296623141	55.37296623141
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685	26	19185	80498.8586730335	808897.3170250766	39.060896345020765	-105.159095	46408.96496740335	423532.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	56.9395052017168	56.9395052017168
686	26	19186	81158.8586730335	808897.3170250766	39.0608521762675	-105.135849	46409.96496740335	423528.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	57.7205109519045	57.7205109519045
687	26	19187	81818.8586730335	808897.3170250766	39.0608087242524	-105.112602	46410.96496740335	423524.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	58.496330108721	58.496330108721
688	26	19188	82478.8586730335	808897.3170250766	39.0607649696984	-105.089356	46411.96496740335	423520.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	59.269233034495	59.269233034495
689	26	19189	83138.8586730335	808897.3170250766	39.0607211850484	-105.066109	46412.96496740335	423516.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	60.040966070455	60.040966070455
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691	26	19191	84458.8586730335	808897.3170250766	39.06063094730631	-105.019616	46414.96496740335	423508.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	61.5925925967409	61.5925925967409
692	26	19192	85118.8586730335	808897.3170250766	39.0605864172291	-105.000937	46415.96496740335	423504.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	62.36913451048239	62.36913451048239
693	26	19193	85778.8586730335	808897.3170250766	39.06054201749956	-104.978123	46416.96496740335	423500.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	63.1462885103632	63.1462885103632
694	26	19194	86438.8586730335	808897.3170250766	39.0605034333647	-104.954877	46417.96496740335	423496.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	63.92306681757817	63.92306681757817
695	26	19195	87098.8586730335	808897.3170250766	39.0604649696984	-104.931584	46418.96496740335	423492.96496740335	288.950166025924	2744.48309020693	2698.7073834158723	2698.7073834158723	64.6984449696984	64.6984449696984
696	26	19196	87758.8586730335	808897.3170250766	39.0604264927347	-104.90834	46419.96496740335	423488.96496740335	288					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIELogaKgm.f	BREIEElevKgm.f	SatThLoga.f	SatThElev.f
27	19279	-345861.1413	809557.3170250766	39.0260503090396	-102.0176096	239013.89758534596	331329.154444801	3957.6749628241734	3835.888948711266	3813.645607013839	391289.1900864924	22.2433065672876	16.59975697326168	
40	27	-345201.1413	809557.3170250766	39.0260508509063	-102.0158262	23915.0445036064	331325.083	3955.546771576891	3834.609515675111	3811.671040855162	391386.940433012	22.53750518954959	17.22292132109966	
41	27	-345281.1413	809557.3170250766	39.02611196863747	-102.0158262	23916.2011016089	331327.010065247	3953.411660333296	3833.31719232967	3809.619663711477	391530.5487323061	23.1211381809167	17.62733150409978	
42	27	-34582.34381.1413	809557.3170250766	39.0213538587348	-102.010636	23917.35234312556	331316.93402683	3951.286429073247	3831.65237440332	3811.6740237440332	391261.1568097154	24.7004000635842	17.42417661736093	
43	27	-343221.1413	809557.3170250766	39.0215875702037	-102.0083122	23918.50341188489	331312.868170368	3948.1613118502236	3830.7801726	3804.802263415203	38114.122969388467	25.977672349676	16.65715675883034	
44	27	-342561.1413	809557.3170250766	39.021620327542	-102.005879	24001.6542256684	331308.797029579	3944.0647061961	3829.505166042695	3801.8375254324656	381348.7875	27.66829171803598	16.0107325552044	
45	27	-341901.1413	809557.3170250766	39.0220536349426	-102.003635	24022.80477538166	331304.726059497	3939.93025838977	3828.231996670022	3798.64785249911	38167.453610819	29.5841212401117	16.6145750202988	
46	27	-342141.1413	809557.3170250766	39.0222860111238	-102.0103392	24041.95507025316	331300.655	3935.813862158958	3826.956021	3796.236089791047	3808.397496920748	31.72112127499545	18.5650243330212	
47	27	-340581.1413	809557.3170250766	39.0225176284206	-102.0199916	24046.15871712484	331298.14	3934.466940318966	3825.8636296007	3791.835873832497	3805.6091381124	33.84773181772854	19.72710828308758	
48	27	-339621.1413	809557.3170250766	39.0227745333488	-101.9956095	24054.25488847557	331292.51475059	3925.89711007304	3824.405885995797	3789.5009462672914	3804.422837993313	35.82514233	19.820260696945	
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53	27	-336621.1413	809557.3170250766	39.023999496957	-101.9850807	24189.9993991348	331272.164453928	3924.281160483014	3817.3045458487292	3784.8851404395195	3802.095229734555	39.93090551	18.62936124174479	
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57	27	-333981.1413	809557.3170250766	39.02481239496212	-101.9757712	24263.5913698105	331255.88725469	3925.557761741827	3812.46072332132	3781.3280336321245	3778.872130686467	31.13268968919737	33.58859263	
58	27	-333241.1413	809557.3170250766	39.0251793726899	-101.9734469	24283.7388589505	331251.81900413	3923.867310518395	3811.030387477724	3782.9057819066793	3811.23800533954	38.10524947378872		
59	27	-33261.1413	809557.3170250766	39.0252699015418	-101.9711225	24306.885530885	331247.75024473	3931.855017035491	3809.5690893989427	3784.334954579451	3764.824781815125	23.022994598427	44.74529520789681	
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63	27	-330021.1413	809557.3170250766	39.026167527781	-101.961825	24381.4706831761	331231.4778284	3915.038111895474	3803.3606709113437	3783.5165944694554	3759.137947562361	22.828464188832	44.72232349897074	
64	27	-32961.1413	809557.3170250766	39.0263918120424	-101.9595906	24402.61655951577	331227.4105145	3917.743252065691	3801.705211985208	3782.07692884597	3755.835456603917	19.6821909674817	45.8697538248108	
65	27	-32906.34164.1413	809557.3170250766	39.0266156473878	-101.9571763	24423.761994344	331223.405532505	3908.448392556917	3800.0549758597	3779.488967834364	3756.82395278193	20.056178516055	46.46793940381	
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68	27	-32721.1413	809557.3170250766	39.0271244599074	-101.9502031	24487.6718793639	331213.14022376	3907.1941147894056	3797.529159912867	3784.647894584056	3752.86928909544	23.19465574608283	46.67726858913452	
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72	27	-32401.1413	809557.3170250766	39.0281699	-101.9409056	24565.1727490181	331194.87471319	3881.149933299617	3786.9484011043105	3768.587675264569	3779.82770814041362	20.056178516055	46.46793940381	
73	27	-32341.1413	809557.3170250766	39.0283901692545	-101.9389812	24585.6163950514	331190.805827565	3874.47192538959	3784.47192538959	3780.9462663904	3748.51707	22.53296179627657	44.296360537223	
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75	27	-32321.1413	809557.3170250766	39.0287993103267	-101.9338324	24625.2025561628	331182.674423546	3869.349874832457	3780.842976505287	3765.25466726391	3780.05495158407	17.588141448478	0.787823904316986	
76	27	-32141.1413	809557.3170250766	39.0290482075376	-101.931608	24646.3542266074	331178.61754326	3864.139798063308	3778.755207685702	3761.64298302924	3761.64298302924	17.11224662778317	41.10542972076885	
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79	27	-319461.1413	809557.3170250766	39.0297025062864	-101.9246348	24709.7707067994	331166.414759814	3848.500232579147	3773.369902896454	3753.176193782749	3763.83969852917	19.332030968973	8.522550737	
80	27	-318801.1413	809557.3170250766	39.029916071404	-101.9223104	24720.931529737	331162.349769809	3847.297864040159	3770.18990554304	3748.51707	3763.83969852917	21.57819513641116	14.5406145995112	
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82	27	-317481.1413	809557.3170250766	39.0303521633007	-101.917616	24763.1959188529	331154.220300208	3843.875485469005	3765.78821431653	3773.0470715647728	3743.2661244037045	22.53296179627657	44.296360537223	
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84	27	-31621.1413	809557.3170250766	39.0307832239362	-101.9130128	24805.4780406557	331146.092	3831.057905	3761.3269721105803	3725.69716412065	3732.0056941222634	29.32177440357284		
85	27	-315601.1413	809557.3170250766	39.031088808081874	-101.9106884	24826.617886055	331142.027380734	3831.583191	3759.051451084784	3721.002575761732	3759.051451084784	18.05887854716105	31.763478474160	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg.f	BRrElevLogsKrg.f	SatThkLogs.f	SatThkBoth.f
165	17	19405	-262701.1413	809557.3170250766	39.09467320373384	-101.7247319	264357.0597576735	4330817.449	3570.2855966462363	3544.727462395038	3483.384283045137	3481.6279834102656	61.343179349090765	63.09947898472304
166	27	19406	-262001.1413	809557.3170250766	39.09469106662694	-101.7240474	264588.1806152413	4330813.986383515	3579.308513	3541.7245347010123	3485.619630184478	3482.2464211972653	56.1080045163449	59.078413503747015
167	27	19407	-261381.1413	809557.3170250766	39.09470986987634	-101.7200629	264759.3012478339	4330809.3484770451	3583.90847308359617	3538.73144148135636	3484.0281584523005	3483.68236359817	51.46638095	54.68726336359617
168	27	19408	-260721.1413	809557.3170250766	39.094726020444604	-101.7177254	264960.42166474054	4330805.248598899	3584.08541513933	3535.639776486163	3484.029305053498	3484.875224810606	47.264517065118525	50.8186528325020456
169	27	19409	-260601.1413	809557.3170250766	39.09474330040995	-101.7154339	265161.5148091819	4330801.248664943	3584.26235468893	3532.665942201748	3489.059146565697	3485.4029	43.6067953605072	47.26355233510776
170	27	19410	-259401.1413	809557.3170250766	39.09474626047946	-101.7131094	265362.6617413673	4330798.199910412	3584.039307863973	3529.629638133337	3489.293852690483	3485.60679037545	44.02284717579189	44.02284717579189
171	27	19411	-258741.1413	809557.3170250766	39.0947529645312	-101.7107848	265563.7841441812	4330793.15	3582.96588581069	3526.5849721088653	3489.194191980334	3485.561734641089	37.39078012560314	41.02323536347748
172	27	19412	-258081.1413	809557.3170250766	39.09477929330885	-101.7084063	265764.9000939739	4330788.100226602	3579.84209684022	3523.31954240054	3488.815134934783	3485.515669540178	37.1681913502073	38.21637289594917
173	27	19413	-257421.1413	809557.3170250766	39.09481474431271	-101.7061358	265866.320246495	4330785.19186257	3578.716335	3520.470597850175	3488.2094582381464	3485.122476227201	32.26463457	35.34812162267801
174	27	19414	-256761.1413	809557.3170250766	39.09483223439859	-101.7038113	2659167.13915149425	4330781.002111612	3575.45513385797	3517.400919249219	3487.410164122202	3484.55725477075	29.990751270111	32.84283576961145
175	27	19415	-256101.1413	809557.3170250766	39.09484967958844	-101.7014868	266368.2579254807	4330767.953311254	3568.5919435791657	3514.322937524229	3486.464962034346	3483.785412567329	25.8754131990542	30.53752869919845
176	27	19416	-255441.1413	809557.3170250766	39.09486707988224	-101.6991623	266569.37646827806	4330772.904689077	3561.71055671567	3511.2366743444161	3485.406926880017	3483.151542467507	25.83596175159463	28.08352909741052
177	27	19417	-254781.1413	809557.3170250766	39.094884443528002	-101.6968378	266770.4947801712	4330768.856227082	3558.8245378942366	3508.1421537850338	3484.236148842963	3482.960045612315	25.181674842670873	25.181674842670873
178	27	19418	-254121.1413	809557.3170250766	39.09490175478168	-101.6945132	266971.612617256	4330764.807300552	3549.9402176155	3505.039402176155	3482.560531	3481.4806068325847	22.478870969835043	23.558795343570182
179	27	19419	-253461.1413	809557.3170250766	39.09491907138724	-101.6892187	267172.73027107076	4330760.759810589	3547.984127917417	3501.928447769489	3481.22636688547	3480.8716487063994	20.701873009201903	21.310799263109402
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181	27	19421	-252141.1413	809557.3170250766	39.09495341	-101.6875397	267574.9572422574	4330752.664006186	3566.8917349094217	3495.68254238631	3478.2840835235274	3478.008561110841	17.478001715103646	17.6796312778996
182	27	19422	-251481.1413	809557.3170250766	39.09497053882676	-101.6852151	267776.0828516535	4330748.16470965	3575.84535052918	3492.560438795479	3476.629637620563	3476.501700979479	15.30400111894618	16.05873706809198
183	27	19423	-250821.1413	809557.3170250766	39.09498762484746	-101.6828906	267977.196814692	4330744.569300808	3579.823471955379	3489.4622031046387	3474.809548484636	3474.8200959302146	14.616654638002618	14.606163195608133
184	27	19424	-250161.1413	809557.3170250766	39.095004665971864	-101.6805661	268178.3165184329	4330740.521760046	3578.8253003676264	3487.798652604845	3472.3903109579204	3472.3903109579204	13.35519078412074	13.35519078412074
185	27	19425	-249501.1413	809557.3170250766	39.09502186219994	-101.6782416	268379.4329911703	4330736.474681104	3577.8275984726194	3477.31788589735	3470.528143939753	3470.8019373428128	12.6096449988421	12.36394840501722
186	27	19426	-248841.1413	809557.3170250766	39.09503813521685	-101.6757917	268580.5452349186	4330732.4273712765	3576.829621386494	3479.963021455389	3468.011834771756	3468.011834771756	11.56917510307025	11.56917510307025
187	27	19427	-248181.1413	809557.3170250766	39.09505491553522	-101.673375	268789.6521703393	4330728.789561004	3576.9710251908857	3478.1045697810087	3467.18140038951	3465.31377715437	10.683219684981242	10.683219684981242
188	27	19428	-247521.1413	809557.3170250766	39.09507238150594	-101.671268	268982.781032546	4330724.33481628	3578.25168790029	3473.64775321926	3462.214010341184	3462.9107167036553	9.41837580740752	10.73755145809499
189	27	19429	-246861.1413	809557.3170250766	39.09509189814841	-101.6689434	269183.896542552	4330720.287819276	3579.53260590109735	3478.87068589654	3459.078851900513	3459.883643	11.389795468914144	10.58813509492542
190	27	19430	-246201.1413	809557.3170250766	39.09510598984405	-101.6666189	269385.019240515	4330716.241711425	3580.81313321039	3476.282454734001	3455.937833697776	3456.836116652896	11.34462103224908	10.644338081104386
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192	27	19432	-244881.1413	809557.3170250766	39.0951397896685	-101.6619698	269787.2419000432	4330718.14922711	3572.4327191189727	3460.888417303934	3450.276037552255	3451.3718567369715	10.61237935	9.15650696696263
193	27	19433	-244221.1413	809557.3170250766	39.09515601575332	-101.6598238	269989.3652900000	4330714.03892232	3568.429722717953	3458.429722717953	3448.9788977111208	3448.9788977111208	9.683219684981242	9.683219684981242
194	27	19434	-243561.1413	809557.3170250766	39.09517207971296	-101.6573208	270189.470957809	4330700.08412244	3562.4245671271	3454.864971271	3445.86170982505	3445.86170982505	8.60778694	7.656813625654282
195	27	19435	-242901.1413	809557.3170250766	39.0951895117606	-101.6549962	270390.5851720073	4330696.03120207	3549.7985756902965	3452.2519004226474	3443.892041	3444.681766179963	7.508196334237171	6.570238424684513
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197	27	19437	-241581.1413	809557.3170250766	39.09522211501226	-101.6503472	270792.812861258	4330687.92271953	3519.330676890552	3444.802478598827	3440.20422600189	3440.899644843495	4.59675595963774	3.902830124881025
198	27	19438	-240921.1413	809557.3170250766	39.09523852758529	-101.6480226	270993.9263730784	4330683.678	3504.0967274905634	3441.57248509263	3438.3163011240163	3439.24949286285	3.2561825469034	2.2225465464101626
199	27	19439	-240261.1413	809557.3170250766	39.0952548526194	-101.6458981	271195.0395859775	4330679.83111406	3498.182359404384	3438.3398102416396	3436.657024937614	3437.27719134286	1.852773100756127	1.026263028412979
200	27	19440	-239601.1413	809557.3170250766	39.0952712104959	-101.643375	271396.1521703393	4330675.789561004	3496.429722717953	3436.1045697810087	3434.17632322704	3434.17632322704	0.756813625654282	0.756813625654282
201	27	19441	-238941.1413	809557.3170250766	39.09528746592364	-101.641049	271597.2655138023	4330671.74418051	3494.9927059574954	3432.920850204284	3432.920850204284	3432.920850204284	0.756813625654282	0.756813625654282
202	27	19442	-238281.1413	809557.3170250766	39.095303728917486	-101.6387244	271798.372590385	4330667.699967903	3494.397755642667	3428.62517	3431.71462644606	3432.8651778199182	0.756813625654282	0.756813625654282
203	27	19443	-237621.1413	809557.3170250766	39.09531991700636	-101.6363999	271999.490413021	4330663.95527196	3498.739855452366	3425.3805985831	3430.8614935031803	3431.864310819563	0.756813625654282	0.756813625654282
204	27	19444	-236961.1413	809557.3170250766	39.09533606019831	-101.6340574	272200.6278821546	4330659.612056374	3508.0184206773556	3422.13287265948	3430.281668452738	3431.4346595234867	0.756813625654282	0.756813625654282
205	27	19445	-236301.1413	809557.3170250766	39.09535215849335	-101.6317508	272401.7147000274	4330656.88355432	3517.2969819175178	3418.882699023813	3430.119034134972	3431.15535376231	0.756813625654282	0.756813625654282
206	27	19446	-235641.1413	809557.3170250766	39.09536821189138	-101.6294263	272602.6234930448	4330651.52484357	3526.57545136999	3415.6303272617347	3429.919711041766	3431.5193237122785	0.756813625654282	0.756813625654282
207	27	19447	-234981.1413	809557.3170250766	39.09538431909643	-101.627128	272803.6814631448	4330647.14831448	3534.474814631448	3412.978938232935	3428.978938232935	3428.978938232935	0.756813625654282	0.756813625654282
208	27	19448	-234321.1413	809557.3170250766	39.09540018399643	-101.624772	273005.409	4330643.374817789	3541.73153169556	3409.118520746345	3423.983577140102	3433.6145923400472	0.756813625654282	0.75681362

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatThcLogs.f	SatThcBoth.f
291	29	19331	-1759541.1413	809557.3170250766	39.09566894829172	-101.4318362	289966.521424138	4330308.444783847	3227.5282891331493	3208.363909280893	3209.4469645241807	3205.908194327894	0	3.0557149601954734
292	29	19332	-178881.1413	809557.3170250766	39.095658041435985	-101.4295116	289897.6145555964	4330304.415834328	3227.5621140847284	3208.2869566256987	3195.385325363665	0	12.598597128371957	
293	29	19333	-178221.1413	809557.3170250766	39.0956629590961	-101.4271687	289806.701845045	4330307.382504745	3228.5501729592133	3207.9201286974546	3208.5758892653652	3191.637926559944	0.54240051216832595	15.390338492360136
294	29	19334	-177561.1413	809557.3170250766	39.096605091040640	-101.4249613	290299.800	4330296.358424294	3238.624441661099	3206.1077211900907	3205.37839239105	3187.449492	0.7923387929192047	18.65822919630935
296	29	19335	-176901.1413	809557.3170250766	39.09661714850268	-101.4225377	290500.892708894	4330292.33	3242.053187978868	3205.2148114418897	3204.19555905511	3192.92575366529	1.0192523963788665	21.942232607636097
296	29	19336	-176241.1413	809557.3170250766	39.09662106105959	-101.420213	290701.9850131396	4330298.301728055	3242.879307	3204.351633426232	3203.488606154505	3192.980491960505	1.387121727273538	11.371141463232610
297	29	19337	-175581.1413	809557.3170250766	39.09664112871712	-101.4178884	290903.0771146836	4330284.274	3243.705226289316	3203.5718382785647	3202.389597005196	3192.87753688052	1.311878873368052	12.93901264221858
298	29	19338	-174821.1413	809557.3170250766	39.09663504175236	-101.415938	291014.1690035055	4330280.254990828	3244.5311373954623	3202.712777605411	3201.7825560082	3189.5841019484847	1.048950453286277	13.258667107200474
299	29	19339	-174261.1413	809557.3170250766	39.0966492533397	-101.4132991	291305.2607	4330278.17825778	3245.6918871734025	3201.625495174084	3200.5242693125533	3189.597474884363	1.681288489225846	12.57571953464867
300	29	19340	-173601.1413	809557.3170250766	39.096675722324	-101.4105145	291506.257103025	4330272.19032904	3246.1883132572495	3201.185330712447	3199.226071752512	3183.132026116409	1.9595203195350264	18.055035056037923
301	29	19341	-172941.1413	809557.3170250766	39.09668585035306	-101.4085899	291707.4434544417	4330268.12920303	3247.68454804897	3200.46193880131	3198.22347320687	3180.51500360344193	2.238119960341787	19.9465902362651488
302	29	19342	-172281.1413	809557.3170250766	39.0967020351337	-101.4062562	291908.53451530414	4330264.136552464	3248.180603514024	3200.7634947775337	3197.2453634735025	3182.229781626866	2.518131304031158	17.533731150668063
303	29	19343	-171621.1413	809557.3170250766	39.09671199	-101.403406	292109.6254	4330260.10856784	3249.10611061744876	3199.0901871449676	3196.2895203262455	3180.623132222095	2.806612761967909	15.14810176197909
304	29	19344	-170961.1413	809557.3170250766	39.09672364513548	-101.401616	292310.7160401013	4330256.01836035	3249.215966367187	3198.43985038678	3195.3524002410163	3187.5045145771527	3.0674501188157028	16.067181188157028
305	29	19345	-170301.1413	809557.3170250766	39.0967352539721	-101.399219	292511.8049548568	4330252.054887692	3249.7408265639524	3197.809980822433	3194.128177581715	3188.5871218128586	3.367120477160474	9.222786209572405
306	29	19346	-169641.1413	809557.3170250766	39.096746817159364	-101.396967	292712.896746301	4330248.02837005	3249.265686700786	3197.1991980241163	3193.77841511355	3188.344051195045	3.420357571060322	8.65514783101831
307	29	19347	-168981.1413	809557.3170250766	39.0967583582191	-101.3946421	292913.8696730516	4330244.01985174	3249.311916878681	3196.066670778587	3192.875917078072	3187.74674289641	3.370749947840764	5.927902784217622
308	29	19348	-168321.1413	809557.3170250766	39.0967698095487	-101.3923174	293115.076357208	4330238.1595754665	3248.30139273676	3196.0356220558	3191.941999536076	3190.775143436307	4.3805665361859	0
309	29	19349	-167661.1413	809557.3170250766	39.0967812384817	-101.3899928	293316.1662745724	4330235.495878867	3248.283467049913	3195.466871488277	3190.786524600656	3194.8876194238055	4.496119029	0.5793520654715394
310	29	19350	-167001.1413	809557.3170250766	39.096781238411805	-101.3876862	293517.2557098145	4330231.923674371	3247.66560172636	3194.4158842033413	3189.956973700773	3191.5504710240063	3.3641888852675947	1.991726074002603
311	29	19351	-166341.1413	809557.3170250766	39.09680364147578	-101.3853435	293718.34494165087	4330227.89739873	3249.8281578635455	3194.375287827365	3198.529530749223	3188.8412562434823	4.842827083813972	5.5311015851877
312	29	19352	-165681.1413	809557.3170250766	39.0968152556402	-101.3830189	293918.93793702843	4330223.873272662	3249.7190546894458	3193.932234583783	3195.91471724294	3195.915068218547	0	0
313	29	19353	-165021.1413	809557.3170250766	39.0968269595684	-101.380748	294120.546975431	4330218.846978431	3249.11406852478	3193.414078414984	3192.5919773734361	3192.5919773734361	0	0
314	29	19354	-164361.1413	809557.3170250766	39.09683720769304	-101.3783696	294321.6114187635	4330215.821774727	3246.251020551714	3192.7973498723336	3213.590755349355	3215.2083249021484	0	0
315	29	19355	-163701.1413	809557.3170250766	39.09684886734355	-101.3760449	294522.6998	4330211.79688818	3250.1132685051716	3192.287154147908	3222.9031295275176	3224.566172526646	0	0
316	29	19356	-163041.1413	809557.3170250766	39.09685982399574	-101.3737203	294723.7880568897	4330207.71798156	3265.682736002702	3191.7850842593443	3231.9176060101586	3230.550099951921	0	0
317	29	19357	-162381.1413	809557.3170250766	39.09687102564885	-101.3713957	294942.8706725828	4330203.740777175	3281.2522115002325	3191.291012971407	3238.1006178885373	3234.565560713989	0	0
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319	29	19359	-161061.1413	809557.3170250766	39.09689335795631	-101.366748	295325.9514982485	4330195.688142337	3311.957258997198	3190.2347961102883	3235.36813463539	3235.36813463539	0	0
320	29	19360	-160401.1413	809557.3170250766	39.0969039592617	-101.3644217	295528.791679505	4330191.673928465	3324.619167302492	3189.8517331607636	3226.923075079079	3224.923075079079	0	0
321	29	19361	-159741.1413	809557.3170250766	39.096914882628155	-101.3620971	295729.22811755505	4330187.64983613	3341.3605664696914	3189.384050199648	3231.852426663572	3243.457171373534	0	0
322	29	19362	-159081.1413	809557.3170250766	39.09692577294215	-101.3597724	295930.312552324	4330183.626007774	3356.062231827565	3188.923026795553	3215.857486166543	3242.87698930606	0	0
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324	29	19364	-157761.1413	809557.3170250766	39.096947283426495	-101.35511231	296324.4856386058	4330175.57863101	337.7966534109582	3188.016063436929	3209.3349487689175	3242.326910167733	0	0
325	29	19365	-157101.1413	809557.3170250766	39.09695796989715	-101.3527398	296533.57294423296	4330171.55534297	3370.7190546894458	3187.569305860408	3206.325564831572	3246.836984103843	0	0
326	29	19366	-156441.1413	809557.3170250766	39.09696954928014	-101.3504738	296734.519445215	4330167.532194396	3372.6414559174047	3187.125896266703	3205.230913151523	3246.19178561523	0	0
327	29	19367	-155781.1413	809557.3170250766	39.09697628012511	-101.3481492	296935.745156774	4330163.590163505	3381.231982854883	3186.685246380744	3201.448470537843	3245.81752643834	0	0
328	29	19368	-155121.1413	809557.3170250766	39.0969895589127	-101.3458245	297136.8309590564	4330159.486301584	3375.49781687224	3186.245265200745	3199.721296151531	3245.087823056174	0	0
329	29	19369	-154461.1413	809557.3170250766	39.09700039	-101.3434999	297337.916565408	4330155.456806825	3375.7613151156755	3185.80741593139	3198.289592	3244.758190356175	0	0
330	29	19370	-153801.1413	809557.3170250766	39.09701872723445	-101.3411752	297539.0019713934	4330151.41084618	3376.0244778540915	3185.366805867102	3197.104856532141	3244.632125	0	0
331	29	19371	-153141.1413	809557.3170250766	39.09702131739457	-101.3388506	297740.8728028185	4330145.18772555	3377.3439458828024	3184.9230816774534	3196.124983848364	3244.332459418628	0	0
332	29	19372	-152481.1413	809557.3170250766	39.09703170990305	-101.3365259	297941.1272855818	4330143.396541424	3378.781768449443	3184.4761314029615	3195.313849319311	3241.181082582048	0	0
333	29	19373	-151821.1413	809557.3170250766	39.0970425290766	-101.3342742	298142.374524722	4330139.745427952	3381.824254109663	3184.08547477952	3194.881187586758	3240.9187586758	0	0
334	29	19374	-151161.1413	809557.3170250766	39.09705256791566	-101.3317676	298343.3147041906	4330135.352679591	3384.468558	3183.569278968154	3193.569278968154	3241.251076384394	0	0
335	29	19375	-150501.1413	809557.3170250766	39.09706262905682	-101.3295519	298544.42811564795	4330131.30996588	3384.49580075869	3183.1089050254563	3193.79272690585	3240.710964808334	0	0
336	29	19376	-149841.1413	809557.3170250766	39.0970728456208	-101.327273	298745.510283815	4330127.30946132	3382.17393928466	3182.6450915431296	3193.874686714603	3242.49038493706	0	0
337	29	19377	-149181.1413	809557.3170250766	39.09708301728703	-101.3249026	298946.5943489474	4330123.288144574	3379.852570569793	3182.17748789277	3193.4372092225485	3242.81858115155	0	0
338	29	19378	-148521.											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatHtLogsKrg.	SatHtBothKrg.
417	27	19657	-96381.14133	809557.3172025076	30.9775127226661	-101.389281	325052.69206487737	4329802.12736414	324.1290243039025	314.4664247536325	3086.7968559508923	3086.853104393679	28.685959202740198	27.6132035935377
418	27	19658	-96721.14133	809557.3172025076	30.9775760695268	-101.389634	31523.7077142615	4329798.110496971	324.014526188615	310.302502026333	3083.692130226333	3083.6901097216128	30.9286430259758	29.8724533059103
419	27	19659	-96961.14133	809557.3172025076	30.977643	-101.384267	315454.8291623118	4329794.12	324.001133	312.633895869231	3079.852611695252	3089.742544631664	32.128052007075	31.920650404271586
420	27	19660	-94401.14133	809557.3172025076	30.9777074163794	-101.313654	31585.8974891249	4329790.104969491	323.943576117734	311.765634280573	3077.2364819636095	3078.0796417263375	34.52915232536975	33.68509241662196
421	27	19661	-93741.14133	809557.3172025076	30.9777714162534	-101.296293	315836.965753474	4329796.096762763	323.424754191814	310.866604723087	3074.9846432813238	3075.046683144026	38.86229744177488	35.0622274007401
422	27	19662	-93081.14133	809557.3172025076	30.9777834671125	-101.273046	316038.0336007024	4329792.090614276	321.31564981611	310.965283887725	3073.0488357048603	3074.034386179443	36.4554914178021	35.3039401178021
423	27	19663	-92421.14133	809557.3172025076	30.9777898895584	-101.242979	316239.1012455615	4329797.083769011	322.89299040744887	310.9083390004486	3071.5971736715087	3072.0410541788118	36.4716532977039	36.5872482667049
424	27	19664	-91761.14133	809557.3172025076	30.97779607217836	-101.122652	316404.16881012946	4329791.07701969	321.574599665074	310.84389569219	3070.624274390861	3071.287217534597	37.5196151783579	36.8566719597837
425	27	19665	-91101.14133	809557.3172025076	30.9778062252	-101.120336	316641.2361946112	4329790.0705831405	320.819596889216	3077.21847830827	3070.0243107465232	3078.154262566715	37.34162456266715	36.6667136146402
426	27	19666	-90441.14133	809557.3172025076	30.9778046803922	-101.118058	316842.303392095	4329786.06242512	322.845167257133	310.6727144631487	3069.815793889394	3075.2080202509	38.14615205742936	37.02051164254936
427	27	19667	-89781.14133	809557.3172025076	30.9781458981276	-101.115681	317043.37042413023	4329782.058380033	322.3744231580335	310.523156474724	3069.5889579711086	3069.965061801864	37.71404403051553	35.3484782890025
428	27	19668	-89121.14133	809557.3172025076	30.97820682423715	-101.113564	317244.4372695773	4329785.052	321.63890170657	310.47316787524406	3068.748040402155	3069.182692695286	35.44197930512566	35.134090559911985
429	27	19669	-88461.14133	809557.3172025076	30.9782672506854	-101.110317	317445.5039357558	4329784.052429778	321.950309	310.37210497087023	3068.7830798155533	3068.815558276323	36.4554914178021	36.4554914178021
430	27	19670	-87801.14133	809557.3172025076	30.9783272094174	-101.108707	317646.5704228699	4329790.405618865	310.2152790984877	3063.613256998477	3063.613256998477	3063.613256998477	35.2820128733905	38.4464610200157
431	27	19671	-87141.14133	809557.3172025076	30.97838967	-101.106323	317847.63	4329786.03062159	321.63312212408346	310.9399426535683	3060.569313072074	3060.569313072074	36.4554914178021	36.4554914178021
432	27	19672	-86481.14133	809557.3172025076	30.9784457798322	-101.104076	318048.702602732	4329742.03	321.1585718621767	309.932530217719	3068.590448328127	3058.647183732247	40.98279688906344	40.9280178207212
433	27	19673	-85821.14133	809557.3172025076	30.9785043915147	-101.107129	318249.7818178095	4329784.026571681	321.898952683183	3087.07905107523	3077.872290791938	3075.945736020224	40.2056140339123	40.13252901349915
434	27	19674	-85161.14133	809557.3172025076	30.9785625541805	-101.099402	318450.834584731	4329734.019571884	308.913273	306.545202702157	3058.013966456813	3058.013966456813	38.2942751473729	38.2942751473729
435	27	19675	-84501.14133	809557.3172025076	30.9786206278295	-101.087035	318651.90017863236	4329730.301474733	320.276163139358	3064.734231749184	3058.36176687321	3058.36176687321	36.3724667635275	36.46067801741286
436	27	19676	-83841.14133	809557.3172025076	30.9786775324617	-101.084758	318852.9655965457	4329726.01008578	320.339211860173	3092.345013844161	3058.325640352586	3058.188647355071	35.36459390936256	35.36459390936256
437	27	19677	-83181.14133	809557.3172025076	30.9787343480769	-101.092434	319054.0336004446	4329722.006	309.1068642172945	3091.1068642172945	3057.654085484987	3057.654085484987	35.45277852	33.59177306214269
438	27	19678	-82521.14133	809557.3172025076	30.9787907146745	-101.090193	319255.059898046	4329718.01271995	318.4695238822608	3089.23465841695	3056.53085243671	3056.279138981893	32.701925604959	32.9539129640919
439	27	19679	-81861.14133	809557.3172025076	30.978846322552	-101.087464	322699.9824993625	4329718.01271995	318.4695238822608	3089.23465841695	3056.53085243671	3056.279138981893	32.701925604959	32.9539129640919
440	27	19680	-81201.14133	809557.3172025076	30.97890210081836	-101.085459	321967.2254900524	4329709.93130862	312.988651468105	3085.40845794867	3052.885291728784	3052.885291728784	35.195662558293	35.005103168135
441	27	19681	-80541.14133	809557.3172025076	30.97895712036454	-101.0831352	319858.29020136213	4329705.98931219	310.71161940723	3083.465277460476	3050.3617991819337	3050.3617991819337	33.10347882144068	33.665824153516496
442	27	19682	-79881.14133	809557.3172025076	30.9790116908928	-101.0808105	320059.3547356553	4329701.98661709	317.614593679503	3081.504031116512	3047.609270285534	3046.990022728689	33.897104087958724	33.51430837823196
443	27	19683	-79221.14133	809557.3172025076	30.97908618240345	-101.078485	320260.4185530403	4329697.982179327	318.4058368259307	3079.529901087737	3044.625785802853	3044.625785802853	33.9901135074511	35.3596021254115
444	27	19684	-78561.14133	809557.3172025076	30.979119848964	-101.076111	320461.482552252	4329693.97886507	318.634863819597	3077.543776706814	3041.801416496636	3041.3593020789735	35.7326017099781	36.1844558407849
445	27	19685	-77901.14133	809557.3172025076	30.9791727083712	-101.073741	320698.9824993625	4329693.97886507	318.634863819597	3077.543776706814	3041.801416496636	3041.3593020789735	35.7326017099781	36.1844558407849
446	27	19686	-77241.14133	809557.3172025076	30.979237982845	-101.071517	320913.6101803035	4329685.974075105	318.085692401774	3073.573792502174	3037.8110551	3037.75190223567	42.1280736525	37.7523020792294
447	27	19687	-76581.14133	809557.3172025076	30.97927778082674	-101.069189	321064.67305511785	4329681.96903319	317.6055651473105	3071.9151824522763	3033.0168892090824	3033.0168892090824	38.294054365242	38.52209324
448	27	19688	-75921.14133	809557.3172025076	30.97932368468825	-101.066822	321265.7368040418	4329677.962087138	317.122693337238	3069.400898971366	3030.201804513101	3030.109479224437	39.28006457	39.3804276249285
449	27	19689	-75261.14133	809557.3172025076	30.9793811120908	-101.0645375	321466.799277865	4329673.96481015	316.75384167236	3067.450376355975	3062.9489656649976	3026.91822026689	40.31009809975405	40.4514384982623
450	27	19690	-74601.14133	809557.3172025076	30.9794320904751	-101.0622128	321667.8627655646	4329669.962507885	316.3049498976126	3065.3977851813423	3023.265560232846	3023.265560232846	42.1348218205774	42.1178281668845
451	27	19691	-73941.14133	809557.3172025076	30.97946281609774	-101.059881	321868.92550550774	4329665.96389759	315.7573201260067	3023.32460422843	3019.254429766558	3018.4788177640048	43.84374263739956	43.84374263739956
452	27	19692	-73281.14133	809557.3172025076	30.9795320719015	-101.057634	322099.9824993625	4329651.953909251	315.913573574145	3051.256135502157	3018.5420305274026	3018.5420305274026	43.1714354	43.1714354
453	27	19693	-72621.14133	809557.3172025076	30.9795823151167	-101.055287	322271.0505705056	4329657.956974831	315.119390209024	3059.169649238564	3010.793215838654	3011.05523141812	43.7634348520123	43.7634348520123
454	27	19694	-71961.14133	809557.3172025076	30.9796315138265	-101.0529139	322472.1129259527	4329653.95463318	315.294324683055	3057.0471610149284	3006.614722809487	3006.882939551945	50.12945320597976	50.12945320597976
455	27	19695	-71301.14133	809557.3172025076	30.97968024711754	-101.0505892	322673.17500294826	4329651.953909251	315.913573574145	3051.256135502157	3018.5420305274026	3018.5420305274026	52.45277852	52.45277852
456	27	19696	-70641.14133	809557.3172025076	30.97972853138955	-101.048245	322874.2360961665	4329645.95198894	316.2246758912471	3052.8649925014816	3099.398434	3099.398434	53.4661321709673	53.4741299675149
457	27	19697	-69981.14133	809557.3172025076	30.9797736666429	-101.045938	323075.2983639354	4329641.95108623	316.0621592040738	3050.7621582114452	3099.580830501078	3098.79842816946	54.1563713706723	54.37383132908594
458	27	19698	-69321.14133	809557.3172025076	30.9798237526788	-101.043615	323276.360192156	4329637.50106295	316.043247158875	3048.6423327511	3094.0275817166368	3094.0275817166368	54.6665156	54.9268360911416
459	27	19699	-68661.14133	809557.3172025076	30.979874690114065	-101.041284	323468.9329641624	4329633.96878985	316.043247158875	3048.6423327511	3094.0275817166368	3094.0275817166368	54.9268360911416	54.9268360911416
460	27	19700	-68001.14133	809557.3172025076	30.97991717831015	-101.039857	323678.942855952	4329639.94863441	316.054472273799	3048.6423327511	3094.0275817166368	3094.0275817166368	55.2971302346809	55.7522135615788
461	27	19701	-67341.14133	809557.3172025076	30.9799632174861	-101.036409	323879.543923141	4329625.948224927	316.054472273799	3048.6423327511				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
543	27	19793	-13221.14313	809557.3170250766	39.08822104104101	-100.8460135	40356.9807909107	4329298.481286848	3044.185018418449	2926.932908081998	2880.8901746832544	2881.0987885958334	46.04273339874362	45.83411948616458
544	27	19794	-12561.141313	809557.3170250766	39.08821918057542	-100.8438938	404567.0282136654	4329294.494731761	3042.2904051554883	2925.65094323811	2878.073770962171	2878.0727872960808	46.4222869667229445	46.4222869667229445
545	27	19795	-11901.141313	809557.3170250766	39.08821918057542	-100.8431364	346768.0758115096	4329290.5083127	3040.3867818825385	2924.381237838617	2874.612337838617	2874.612337838617	46.89741385384207	46.84582719414274
546	27	19796	-11241.141313	809557.3170250766	39.0822354	-100.8390933	409691.126746654	4329235.322138095	3040.501178625968	2923.063327194296	2875.540042505096	2876.5597214357904	46.577794486443375	46.53061128
547	27	19797	-10581.141313	809557.3170250766	39.08222428	-100.8367146	341170.16962267405	4329282.536696746	3042.0485796674805	2921.757115480076	2876.8823717654313	2876.946651	46.478374317644486	46.4474948793611
548	27	19798	-9921.1411327	809557.3170250766	39.0822497191314	-100.8343898	341371.21615474753	4329378.55020967	3040.464630426064	2920.4421640535516	2877.5915783208848	2877.743774049784	48.8504352664686	48.69868604657313
549	27	19799	-9601.1411327	809557.3170250766	39.0822629714165	-100.8320651	341172.26305408333	4329274.758640624	3040.848539995624	2919.1170883439813	2877.0844830458426	2877.039298611312	48.0326052981453	48.8669205886848
550	27	19799	-9601.1411327	809557.3170250766	39.0822629733468	-100.8297404	341173.3095378888	4329270.578690424	3040.633447609683	2917.71889603747	2876.742922245307	2876.3797758329405	41.402111307780653	41.402111307780653
551	27	19799	-9601.1411327	809557.3170250766	39.08226296005276	-100.8277166	341174.3558672882	4329266.538707807	3040.515782138321	2916.437172633916	2875.3472291644916	2875.45305842014	41.8943834684247	41.8943834684247
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553	27	19793	-7281.1411327	809557.3170250766	39.0822766	-100.8227666	342175.4024727757	4329262.608359101	3008.671487103187	2915.08489544626	2874.3059505467138	2874.4655510472114	40.7242089791214	40.6194248914774
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561	27	19801	-1341.1411327	809557.3170250766	39.0822996760285	-100.8041683	343984.870191876	4329226.748973565	3000.73008981996	2902.5882072314985	2864.963235701621	2865.1184402772017	42.6249715286772	42.6249715286772
562	27	19802	-681.1413269	809557.3170250766	39.0823002363475	-100.8018436	344118.8553634675	4329226.748973565	3000.73008981996	2902.5882072314985	2864.963235701621	2865.1184402772017	42.6249715286772	42.6249715286772
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570	27	19810	4598.858673033514	809557.3170250766	39.0822985253851	-100.7925447	344590.032493914	4329206.83294116	2999.624099548088	2899.75977759165	2867.1185182101713	2867.629320206956	32.6412766574524	32.34046557
571	27	19811	5258.858673033514	809557.3170250766	39.0822985253851	-100.7925447	344590.032493914	4329206.83294116	2999.624099548088	2899.75977759165	2867.1185182101713	2867.629320206956	32.6412766574524	32.34046557
572	27	19812	5918.858673033514	809557.3170250766	39.0822985253851	-100.7925447	344590.032493914	4329206.83294116	2999.624099548088	2899.75977759165	2867.1185182101713	2867.629320206956	32.6412766574524	32.34046557
573	27	19813	6578.858673033514	809557.3170250766	39.0822985253851	-100.7925447	344590.032493914	4329206.83294116	2999.624099548088	2899.75977759165	2867.1185182101713	2867.629320206956	32.6412766574524	32.34046557
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584	27	19824	13838.858673033514	809557.3170250766	39.0822017954606	-100.7506955	348608.7995008854	4329135.2065221	2992.62253849127	2884.7321703411425	2865.384834573465	2865.68917480909	35.24578777	35.24578777
585	27	19825	14498.858673033514	809557.3170250766	39.0821943376814	-100.7483614	348810.8495008854	4329131.2065221	2992.62253849127	2884.7321703411425	2865.384834573465	2865.68917480909	35.24578777	35.24578777
586	27	19826	15158.858673033514											

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevKgr.ft	SurElev.ft	W.Lt.
657	19109	69983.8586730335	809557.3170250766	30.93797794159068	-105.530979	656696.7986162608	4328797.490221859	2859.6854240175935	2746.8092801868775	2701.0241750255036	2700.8369408952817	45.7851051613785	45.4572339291598745
670	19110	70598.8586730335	809557.3170250766	30.93797316049189	-105.530732	665897.8262404259	4328793.524672899	2856.2943274876553	2745.528270695077	2699.1845097695656	2699.0304742869055	46.343396789110056	46.493762049890174
671	19111	71288.8586730335	809557.3170250766	30.9379634914807	-105.546486	66705.8554342076	4328789.549293533	2857.276972146814	2744.249740245793	2697.36809329595	2697.227423769374	46.8989653389518	47.0221548943294
672	19112	71912.710586730335	809557.3170250766	30.93796346493897	-105.5467138	668896.846898176	4328785.504709909	2847.624968	2742.97314328265	2695.6660314183214	2695.280027	47.3071118030477	47.69221604207497
673	19113	72578.8586730335	809557.3170250766	30.93795845892195	-105.5437991	666500.91383375006	4328781.62930646	2842.97342637514	2741.697911164332	2693.5322233666696	2693.2441086490476	48.1656877766224	48.45380251826224
674	19114	73238.8586730335	809557.3170250766	30.9379535932594	-105.5414744	666701.3427359914	4328780.61464967	2842.97327175989714	2740.423558792447	2691.2992519369145	2691.2240655827954	49.124130685527954	49.38118963553
675	19115	73898.8586730335	809557.3170250766	30.93794858416784	-105.5391496	666092.9751538195	4328779.69843394	2834.381459047574	2739.149890729223	2689.1976822694046	2689.1028184856175	49.95228495818394	50.047171880564105
676	19116	74588.8586730335	809557.3170250766	30.93794334107884	-105.5368249	667140.0004161674	4328778.749848432	2831.179646486231	2737.6786929371645	2687.028794479049	2686.9017180535184	50.84908946	50.97571648665494
677	19117	75218.8586730335	809557.3170250766	30.9379384914807	-105.534602	667305.02867879	4328776.75025556	2829.9677737846814	2736.8496731587078	2684.67468195433	2684.67468195433	51.8498231587078	51.9389116534428
678	19118	75787.8586730335	809557.3170250766	30.9379329925244	-105.5321755	667505.075704931	4328771.8025784	2824.756306321474	2735.303447253493	2682.703145200923	2682.703145200923	52.627194342021	52.6415982909195
679	19119	76538.8586730335	809557.3170250766	30.937928114518554	-105.5298508	667707.085378782	4328767.84225043	2821.6110414519167	2734.055806927659	2680.9033063459015	2680.838291472677	53.2175154549812	53.2175154549812
680	19120	77198.8586730335	809557.3170250766	30.9379228844967	-105.5275261	667908.174128276	4328763.87350838	2818.532182821590	2732.7804262729255	2679.449021	2679.304514237855	53.3305057645159	53.4300119450704
681	19121	77858.8586730335	809557.3170250766	30.937917610280575	-105.5250214	668109.1418010245	4328761.84361789	2816.2534329119102	2731.5043478693315	2678.26308	2678.10418623291	53.2439675459014	53.4001610493951
682	19122	78518.8586730335	809557.3170250766	30.937911229	-105.5228767	668310.16935964196	4328745.951079238	2812.37446560599	2729.2771709436	2677.431979714813	2677.235583464496	52.7899625336248	52.992026334940695
683	19123	79178.8586730335	809557.3170250766	30.9379056543702	-105.5205519	668511.197119171	4328741.38799273	2812.462713636285	2728.9510332781183	2677.189703691382	2676.7117029010924	51.7613296736325	52.23933037702591
684	19124	79838.8586730335	809557.3170250766	30.93790015714255	-105.5182272	668712.2247370436	4328738.02447238	2815.71808423871	2727.67848332863	2677.327019419527	2676.82613453474	50.34736807	50.8477140381252
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688	19128	82478.8586730335	809557.3170250766	30.93787943104719	-105.5089284	669516.334	4328722.172502875	2822.12913508723	2722.754650671393	2674.390601517961	2673.786609279352	48.18463577969804	48.5289850565776
689	19129	83138.8586730335	809557.3170250766	30.9378737263986	-105.506037	669717.3609259474	4328718.120895945	2820.968884196534	2721.304173789416	2672.406929368814	2671.83793363678	48.834604726002	49.46620401260998
690	19130	83798.8586730335	809557.3170250766	30.93786811857911	-105.504279	669918.367921171	4328714.24835435	2819.813667155474	2720.034628971521	2670.96898322015	2669.79034950613	49.6436366750022	50.426813910303
691	19131	84388.8586730335	809557.3170250766	30.9378624914807	-105.502464	670114.4668922	4328710.367824	2818.271063745474	2719.2064014231904	2670.6838715312078	2670.6838715312078	50.27895140532074	50.27895140532074
692	19132	85118.8586730335	809557.3170250766	30.93785652051493	-105.4996296	670320.44118521304	4328706.32468533	2817.012926587613	2717.50427951325	2665.281759367225	2665.0571312740763	52.22008339410704	52.44511510515268
693	19133	85778.8586730335	809557.3170250766	30.93785081141123	-105.4973049	670521.46767519263	4328703.36297373	2799.530466563933	2716.236904702135	2662.832113005907	2662.65197938737	52.5204932412375	53.58492432745566
694	19134	86438.8586730335	809557.3170250766	30.9378445842258	-105.4949801	670722.490400597	4328698.401397051	2791.64836419646	2714.970385605313	2660.356193379	2660.2286555470473	54.64176625705225	54.7417270426401
695	19135	87098.8586730335	809557.3170250766	30.93783905162925	-105.4926554	670923.520208037	4328684.40002302	2787.92494487061	2713.702958186044	2657.934852135295	2657.783358	55.6174617050495	55.91999208028445
696	19136	87758.8586730335	809557.3170250766	30.9378331033431	-105.4903307	671124.545839113	4328680.4773477	2793.702652558758	2712.434635369199	2655.409890919362	2655.3651061991271	57.0246727498337	57.0741367788842
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698	19138	89078.8586730335	809557.3170250766	30.93782107243054	-105.4854545	671526.58478624	4328672.5867824	2790.893494953504	2710.05454967474	2654.90494967474	2654.90494967474	59.4754084595474	59.4754084595474
699	19139	89738.8586730335	809557.3170250766	30.9378149698364	-105.4833566	671727.623994931	4328678.59062441	2803.1529257025	2708.623186686803	2648.272854820704	2648.29961683931	60.35146384515292	60.324701726947296
700	19140	90398.8586730335	809557.3170250766	30.9378081391	-105.4810319	671928.6246131592	4328674.653172135	2801.76473381429	2707.35209136637	2646.33929	2646.384756671708	60.99219289	60.96774407
701	19141	91058.8586730335	809557.3170250766	30.937802695318	-105.4787072	672129.67510836996	4328670.675117866	2806.398741834733	2706.084047471194	2644.957905578995	2644.9466327369125	61.122562368119816	61.13333510206884
702	19142	91718.8586730335	809557.3170250766	30.937796472030545	-105.4763825	672330.7004797486	4328666.714884384	2798.767844926836	2704.80799	2643.644767688845	2643.644767688845	60.6880077404931	60.7382315032315
703	19143	92378.8586730335	809557.3170250766	30.9377902962437	-105.4740578	672531.727276599	4328662.75481674	2797.969517160556	2703.534643518521	2643.821793717453	2643.821793717453	59.7135257877596	59.8640575280674
704	19144	93038.8586730335	809557.3170250766	30.9377839201622	-105.4717313	672732.750529024	4328658.784914894	2797.164710637454	2702.2064014231904	2643.2985140532074	2643.2985140532074	58.274672570799	58.274672570799
705	19145	93698.8586730335	809557.3170250766	30.937777510510732	-105.4698084	672933.778550571	4328654.383179064	2796.724597033696	2700.984961460387	2642.943139366747	2642.943139366747	57.621062932471	57.63970174830576
706	19146	94358.8586730335	809557.3170250766	30.9377715299651	-105.4670837	673134.80073463114	4328650.876	2796.10268769129	2699.706917262194	2645.486736524693	2645.334974847585	54.2738073750132	54.2738073750132
707	19147	95018.8586730335	809557.3170250766	30.93776641098416	-105.464759	673335.82549171476	4328646.916204698	2795.875731396293	2698.4258439004394	2646.06294948558	2646.06294948558	52.3628941052745	52.91963584512424
708	19148	95678.8586730335	809557.3170250766	30.9377602247032	-105.4623433	673535.8052165527	4328642.96662244	2796.045754845266	2697.1410718774027	2645.448756344484	2644.6554029091886	51.69221532918656	52.48566567
709	19149	96338.8586730335	809557.3170250766	30.9377518222496	-105.4601996	673737.874639481	4328638.39799393	2796.512537309827	2695.8518430819324	2644.118957131988	2644.0491997059514	52.368589542045	52.368589542045
710	19150	96998.8586730335	809557.3170250766	30.93774511583125	-105.457749	673938.8990303066	4328636.33067938	2796.349996141577	2694.561512528483	2644.196319620995	2644.08543094182	54.0714828681425	54.0714828681425
711	19151	97658.8586730335	809557.3170250766	30.9377393919806	-105.4554192	674140.989929532	4328632.37397552	2795.82300967986	2693.8293519306	2643.8293519306	2643.8293519306	55.22839596778	55.22839596778
712	19152	98318.8586730335	809557.3170250766	30.9377318274005	-105.4531355	674340.39474752697	4328628.121687397	2794.980165119107	2693.19457001873604	2643.71965230305	2643.71965230305	56.227349569787	56.227349569787
713	19153	98978.8586730335	809557.3170250766	30.93772511597882	-105.4508108	674541.97147419845	4328623.163	2795.3848654558	2690.632743495647	2642.718334268193	2642		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThokLog.ft	SatThokBoth.ft
55	28	33501.1413		810217.3170250766	39.09424818489323	-110.9804492	242236.3712431753	4133.6465.301	3932.944595921389	3815.398365092991	3776.968280406884	3797.792959125986	38.430084686307055	17.60540590400122
56	28	33461.1413		810217.3170250766	39.0942709	-110.9781248	242437.5187965474	4133.6461.301	3933.865178562055	3814.049878205763	3774.957236601785	3787.4495802475306	38.45022458969574	26.600789773234684
57	28	33381.1413		810217.3170250766	39.09433716272786	-110.9758004	242836.9896059466	4133.6461.301	3934.684812936116	3813.748981248702	3778.635981868687	3787.7489892300326	38.4177389184058	33.926195
58	28	33321.1413		810217.3170250766	39.094316414623034	-110.9737459	242839.81317437318	4133.6453.017	3935.707244	3811.27411885727	3777.765576849287	3777.765576849287	38.41240416439394	38.5083939
59	28	33261.1413		810217.3170250766	39.09433960868163	-110.9715115	24300.95992166564	4133.6449.02340077	3938.845831739954	3809.8407380383116	3780.584591	3788.5400323660042	29.25487972431165	41.00330818
60	28	33201.1413		810217.3170250766	39.0943167664681	-110.9688271	243242.1065347006	4133.6444.955637344	3929.073038094134	3808.37130986257	3781.038634020419	3765.117386090154	27.3327568758373	43.254254095341366
61	28	33141.1413		810217.3170250766	39.094382403191965	-110.9665027	243443.25273136242	4133.6448.81871953	3924.353766238315	3806.86351431839	3780.8780098145286	3768.500161692065	29.25487972431165	44.54156569605
62	28	33081.1413		810217.3170250766	39.09440635909863	-110.9641782	243644.3987545353	4133.6436.81873491	3919.622630664285	3805.31737749536	3780.1090730683116	3760.41170431783	25.2046646642488	44.90230631819075
63	28	33021.1413		810217.3170250766	39.09442922989518	-110.9618358	243854.5445253048	4133.6422.7039084	3915.26518262879	3803.78489511425	3779.18514229876	3747.326958965805	24.5334370113465	44.7857347191707
64	28	32961.1413		810217.3170250766	39.0944516917875	-110.9595294	244006.69038551	4133.6428.68757727	3912.07248955291	3802.07248955291	3778.0512785355	3758.45183222587	24.0246974170107	43.0210551733854
65	28	32901.1413		810217.3170250766	39.09447405	-110.9572049	244247.8352999125	4133.6424.6156441	3907.2142210551626	3800.386251158886	3775.9165391437557	3759.45183222587	24.0246974170107	43.0210551733854
66	28	32841.1413		810217.3170250766	39.0944963528681	-110.9548805	244484.980375076	4133.6420.54726613	3903.19376314049	3798.648631860607	3773.8701081471034	3759.632964108405	24.7785748898037	43.0157189222027
67	28	32781.1413		810217.3170250766	39.09451867960121	-110.9525561	244680.1250618433	4133.6420.54726613	3899.205743017499	3798.648631860607	3771.841470165259	3759.88641	25.03027701394354	36.978207761123485
68	28	32721.1413		810217.3170250766	39.0945409209247	-110.9502316	244851.2696303153	4133.6412.415789645	3895.250242095528	3795.03875	3789.9426035073357	3759.2502705677312	25.03027701394354	38.110169580974
69	28	32661.1413		810217.3170250766	39.09456313550565	-110.9479072	245052.413812693	4133.6408.34561444	3891.2994741173568	3783.16426612516	3783.16426612516	3758.495148175516	25.03027701394354	40.6698903470994
70	28	32601.1413		810217.3170250766	39.0945852318542	-110.9456827	245253.557806746	4133.6404.27815541	3887.33202405195	3791.254118609498	3786.73039	3765.57091156254	25.03027701394354	25.6327385
71	28	32541.1413		810217.3170250766	39.09460797207036	-110.9432583	245454.7015497224	4133.6401.2174003	3883.290904961744	3789.306813728955	3785.6156889507524	3759.632964108405	25.03027701394354	25.6327385
72	28	32481.1413		810217.3170250766	39.09462947777532	-110.9409339	245654.8450043644	4133.6401.2174003	3879.145748804032	3787.3055458667715	3764.3314957386956	3773.9164210112305	22.99409121280019	43.13913385327768
73	28	32421.1413		810217.3170250766	39.09465150273027	-110.9386094	245856.9887848396	4133.6401.2174003	3875.068581463177	3785.31118990573	3763.2190602058977	3774.46765970472	22.99409121280019	43.13913385327768
74	28	32361.1413		810217.3170250766	39.09467348280754	-110.936285	246058.1313654015	4133.6401.2174003	3870.867142748808	3783.21905204383	3762.1208592101843	3780.952154756426	22.99409121280019	43.13913385327768
75	28	32301.1413		810217.3170250766	39.09469517970854	-110.9339605	246259.2740102573	4133.6401.2174003	3868.597336437116	3786.30973978263	3760.6473988532252	3783.9158189158293	22.99409121280019	43.13913385327768
76	28	32241.1413		810217.3170250766	39.09471730824585	-110.9316361	246460.416583599	4133.6401.2174003	3866.1980873242046	3781.110953364	3758.561541948435	3772.07203087024	22.99409121280019	43.13913385327768
77	28	32181.1413		810217.3170250766	39.0947391535766	-110.9293816	246659.4585951945	4133.6401.2174003	3864.346925967205	3780.6473988532252	3758.561541948435	3772.07203087024	22.99409121280019	43.13913385327768
78	28	32121.1413		810217.3170250766	39.09476095	-110.9269762	246862.7007956318	4133.6401.2174003	3862.40724110245	3774.8578532336	3753.717963	3773.923486539213	22.99409121280019	43.13913385327768
79	28	32061.1413		810217.3170250766	39.09478270970819	-110.9246627	247063.842565525	4133.6401.2174003	3859.357167989153	3774.7020029147625	3750.35780074966	3774.7020029147625	22.99409121280019	43.13913385327768
80	28	32001.1413		810217.3170250766	39.09480420408515	-110.9223383	247264.9840592883	4133.6401.2174003	3857.3618452535	3774.7020029147625	3750.35780074966	3774.7020029147625	22.99409121280019	43.13913385327768
81	28	31941.1413		810217.3170250766	39.09482609	-110.9200138	247466.1252347763	4133.6401.2174003	3855.4651059110644	3774.7020029147625	3750.35780074966	3774.7020029147625	22.99409121280019	43.13913385327768
82	28	31881.1413		810217.3170250766	39.09484771728146	-110.9176893	247667.2662133588	4133.6401.2174003	3853.279044239646	3766.128713109536	3766.128713109536	3774.7020029147625	22.99409121280019	43.13913385327768
83	28	31821.1413		810217.3170250766	39.0948693814724	-110.9153684	247868.409418228	4133.6401.2174003	3851.18471317198	3764.304625914831	3764.304625914831	3774.7020029147625	22.99409121280019	43.13913385327768
84	28	31761.1413		810217.3170250766	39.09489142772745	-110.9130044	248069.54043282	4133.6401.2174003	3849.04870403403	3762.35816219194	3762.35816219194	3774.7020029147625	22.99409121280019	43.13913385327768
85	28	31701.1413		810217.3170250766	39.0949123005432	-110.910716	248270.6874637157	4133.6401.2174003	3847.3032085699	3759.37928650753	3762.35816219194	3774.7020029147625	22.99409121280019	43.13913385327768
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87	28	31581.1413		810217.3170250766	39.09495513828575	-110.906067	248672.96373906124	4133.6401.2174003	3843.242551122804	3754.783413056157	3761.16927348465	3774.7020029147625	22.99409121280019	43.13913385327768
88	28	31521.1413		810217.3170250766	39.0949764989357	-110.9037426	248874.1068420111	4133.6401.2174003	3841.8575749247	3752.45793162423	3761.16927348465	3774.7020029147625	22.99409121280019	43.13913385327768
89	28	31461.1413		810217.3170250766	39.094997766491356	-110.9014817	249075.2460275337	4133.6401.2174003	3839.49584426217	3750.113889404016	3761.16927348465	3774.7020029147625	22.99409121280019	43.13913385327768
90	28	31401.1413		810217.3170250766	39.0950193565902	-110.8991936	249276.3805619435	4133.6401.2174003	3837.12814083191	3747.75241083191	3761.16927348465	3774.7020029147625	22.99409121280019	43.13913385327768
91	28	31341.1413		810217.3170250766	39.0950407212084	-110.8967692	249477.52379141774	4133.6401.2174003	3834.87187125835	3745.748875844234	3761.16927348465	3774.7020029147625	22.99409121280019	43.13913385327768
92	28	31281.1413		810217.3170250766	39.09506145	-110.8944447	249678.6622784056	4133.6401.2174003	3832.01053554175	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
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94	28	31161.1413		810217.3170250766	39.0951036635902	-110.8897957	250080.9385084415	4133.6401.2174003	3827.1841736410854	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
95	28	31101.1413		810217.3170250766	39.09512483950014	-110.8874713	250282.0755200285	4133.6401.2174003	3825.1841736410854	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
96	28	31041.1413		810217.3170250766	39.09514591	-110.8851468	250483.2174809678	4133.6401.2174003	3823.12814083191	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
97	28	30981.1413		810217.3170250766	39.0951673516713	-110.8828078	250685.487988541	4133.6401.2174003	3821.00153554175	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
98	28	30921.1413		810217.3170250766	39.0951883387075	-110.8805208	250886.7612624035	4133.6401.2174003	3819.031644819963	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
99	28	30861.1413		810217.3170250766	39.09520920689964	-110.8785489	251087.1672624035	4133.6401.2174003	3817.06355554175	3742.98085165617	3751.567962203617	3761.16927348465	22.99409121280019	43.13913385327768
100	28	30801.1413		810217.3170250766	39.0952306414674	-110.8763244	251288.672624035	4133.6401.2174003</						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevBothKgr.f	LatBothKgr.f	SatBothKgr.f
181	28	20161	-252141.1413	810217.3170250766	39.06765947207054	-101.6875617	267579.0185192628	4303953.909	3573.583124300725	3466.285973807802	3483.3832572175784	3483.3707437373553	12.90277669232463	12.915899434246512
182	28	20162	-251481.1413	810217.3170250766	39.06673037655726	-101.6852371	267780.13505375635	4303949.8610457578	3583.0227145139725	3483.168001114205	3481.8894235913194	3482.0110122239557	11.7265775228537	11.159568890249067
183	28	20163	-250921.1413	810217.3170250766	39.0660016501005	-101.6829125	267861.252586489	4303945.813381444	3587.26443	3490.043276879885	3489.23851590973126	3489.4851909573126	8.80433519259661	8.857668286793888
184	28	20164	-250161.1413	810217.3170250766	39.066172065541	-101.6805879	268182.967841487	4303941.705855373	3586.6082704827912	3486.91064827912	3478.7537022734948	3478.7537022734948	8.522920414	8.156945329292564
185	28	20165	-249601.1413	810217.3170250766	39.06683240322335	-101.6782633	268383.48508045846	4303937.718559481	3585.8521109255667	3483.714089966243	3476.2967385054764	3476.7799564218627	7.4470479055342	6.991449577761614
186	28	20166	-248841.1413	810217.3170250766	39.06651154983774	-101.6759388	268584.6011	4303937.61404355	3589.0047471467166	3480.6377457777016	3473.937899570467	3474.573816962883	6.68459490818634	6.0849498490818634
187	28	20167	-248181.1413	810217.3170250766	39.0668680184666	-101.6736142	268785.176986328	4303929.62449071	3583.800491176921	3477.4670701423756	3471.2796255044748	3472.0360431474662	6.17467049055342	6.991449577761614
188	28	20168	-247521.1413	810217.3170250766	39.06684952381203	-101.6712896	268986.8325962964	4303925.577603983	3581.9249611740971	3474.3028714256813	3468.4082010035745	3469.288022378956	5.894670539190769	5.014669303955088
189	28	20169	-246861.1413	810217.3170250766	39.0669174087997	-101.669685	269187.9477789707	4303921.530959918	3580.173325420682	3465.389925969483	3466.360162942395	3466.360162942395	5.6723895131334595	4.771143284231
190	28	20170	-246201.1413	810217.3170250766	39.0661851304895	-101.6665404	269369.0531133024	4303917.48484961	3578.358611983963	3467.952515603133	3462.253052540428	3463.359425004557	5.6833942004557	4.53038598578561
191	28	20171	-245541.1413	810217.3170250766	39.0663524032245	-101.6643158	269590.17805680823	4303913.83179812	3573.920972342615	3464.7663329192655	3459.227140309147	3460.399979	5.53932535830575	4.366533348957045
192	28	20172	-244881.1413	810217.3170250766	39.06695192697286	-101.6619912	269791.2927545189	4303909.39024042	3566.862510133716	3457.573465477416	3456.3902419529203	3457.57198278375	5.183223496187255	4.001482699340423
193	28	20173	-244221.1413	810217.3170250766	39.06696856017438	-101.6596666	269992.4072	4303904.36081358	3559.0048479182187	3458.37408898383	3453.7805117992034	3454.999786277573	4.845997713654442	3.772622173654442
194	28	20174	-243561.1413	810217.3170250766	39.0698515275375	-101.657342	270193.5214675007	4303901.30028718	3552.745565702203	3455.1666495743193	3451.2932287579592	3452.502367918225	4.684280163600684	2.6642816560943174
195	28	20175	-242901.1413	810217.3170250766	39.07001700435364	-101.6550714	270394.63348317575	4303897.254663212	3542.3863951219628	3451.3653951680196	3448.963106399112	3449.963868205643	2.990826808907736	1.817285347455254
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatThtsLogs.ft	SatThtsBoth.ft
297	28	-169881.1413	810217.3170250766	39.0857902076736	-101.3946568	292918.0174082068	433045.219712368	300.5894325738063	3196.718225017822	3191.210021351237	3190.74792825978	5.50820366584905	5.970252191843883	
308	28	-168321.1413	810217.3170250766	39.0856523482051	-101.3923321	293118.1070728219	433044.119327642	3291.099580811516	3196.14571624225	3190.3641263793725	3198.9857620232513	5.781655244852573	0	
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312	28	-165681.1413	810217.3170250766	39.086276472402509	-101.3830333	293923.4637075389	4330416.983132233	3261.695335354014	3193.973629116184	3195.4655117636958	3198.1605315922323	0	0	
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316	28	-163041.1413	810217.3170250766	39.0867257051568	-101.3737345	294727.6170914905	4330408.987805938	3247.8121856562	3191.962675415324	3235.37053277483	3239.35597332223	0	0	
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353	28	-138621.1413	810217.3170250766	39.0905225460717	-101.2877201	302167.93435745477	4330260.178384853	3335.276183176789	3174.390440971206	3190.534217924525	3218.33818065704	0	0	
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355	28	-137301.1413	810217.3170250766	39.0907102688392	-101.2830707	302570.957032815	4330252.141225511	3330.707478888708	3173.251868478201	3190.7831634512502	3215.59739886704	0	0	
356	28	-136641.1413	810217.3170250766	39.0908034589176	-101.2807458	302771.172535778	4330248.122899271	3328.05155988652	3172.633951570406	3190.98356901491	3213.15685252725	0	0	
357	28	-135981.1413	810217.3170250766	39.0908961957759	-101.2784212	302972.2552064357	4330244.10741968	3324.410592	3172.073035308584	3191.258464359426	3213.751438636305	0	0	
358	28	-135321.1413	810217.3170250766	39.090984856729	-101.2760965	303173.33493371203								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kg.ft	BREIElevBoth.Kg.ft	SatHtElev.Kg.ft	SatHtBoth.ft
432	28	1413	-85281.14133	810217.3170250766	-00.99966303171916	-101.1017404	118253.777359326	4239939.218512366	3122.108342	3058.487427245398	3058.8836135301062	3059.080230036932	30.68066072429163	38.47603570074626
434	28	1414	-85161.14133	810217.3170250766	-00.9996688813283	-101.0994166	118454.842657565	4239935.21340041	3208.291473491626	3058.896621624826	3058.582168	3058.399745590168	37.48626709409107	37.37493579802589
435	28	1415	-85041.14133	810217.3170250766	-00.99967462945271	-101.0878069	118655.9602877631	4239931.204381166	3208.22048671358	3058.114630794598	3058.5026846589827	3057.7015487722016	38.85817243364837	38.8517343364837
436	28	1416	-84921.14133	810217.3170250766	-00.9996836625176	-101.0847661	118856.97362013534	4239927.230040641	3203.11605891922	3057.471649	3058.618015377007	3058.5386981306276	33.93296728626526	33.93296728626526
437	28	1417	-84811.14133	810217.3170250766	-00.999686605	-101.0824413	119068.0386848716	4239923.198833131	3200.010072112234	3050.669548	3058.585960659997	3058.5841678472675	23.0838726	23.2154978282625
438	28	1418	-85251.14133	810217.3170250766	-00.999691664759335	-101.0901165	119259.1306	4239919.143430499	3196.904085232546	3058.825531765099	3057.73217363081	3057.8848170136043	30.71159002018074	30.940714751494882
439	28	1419	-81861.14133	810217.3170250766	-00.9996927665886	-101.0877918	119460.16882217323	4239915.198003922	3194.039895954043	3058.948415	3057.114867385000	3056.672510576077	29.83547203272246	30.27613680072513
440	28	1420	-81021.14133	810217.3170250766	-00.99969702365547	-101.085467	119661.2328154148	4239911.195433939	3191.417120224253	3058.403989531687	3056.226210873639	3054.732762514496	29.81774809746132	30.117493638796
441	28	1421	-80541.14133	810217.3170250766	-00.999697830254924	-101.0831422	119862.29717710587	4239907.181846761	3188.71704581963	3058.114630794598	3057.471649	3058.618015377007	30.71159002018074	30.940714751494882
442	28	1422	-79821.14133	810217.3170250766	-00.9997137629409	-101.0804715	120063.3613130396	4239903.178208975	3188.172739415389	3056.147223867153	3049.919852137653	3049.4452715185821	31.8712102089435	31.8712102089435
443	28	1423	-79221.14133	810217.3170250766	-00.99971919522806	-101.0784927	120264.4525814248	4239899.174	3183.817299002322	3079.198000839822	3046.8789431201362	3046.8789431201362	32.9106781875995	32.9106781875995
444	28	1424	-78561.14133	810217.3170250766	-00.99972456	-101.0761679	120465.48918177903	4239895.170873966	3181.72880456908	3077.21258638452	3046.042212076116	3043.5843178002287	33.16303743084063	33.632490438223476
445	28	1425	-77901.14133	810217.3170250766	-00.99972989505236	-101.0738432	120666.5528328859	4239891.167527433	3179.6403110370943	3075.228772475187	3041.254770199905	3040.72213282673	34.6500740716356	34.6500740716356
446	28	1426	-77241.14133	810217.3170250766	-00.9997351627443	-101.0715184	120867.6163082085	4239894.1643999595	3177.551073404488	3073.215772032333	3038.585376557804	3038.3529404582416	34.0056044524929	34.97534418411674
447	28	1427	-76581.14133	810217.3170250766	-00.9997393535066	-101.0691936	121068.690705506	4239893.161415204	3174.1491101125107	3071.1966969192776	3035.946398855008	3035.739131588831	35.25027033776625	35.46075473064468
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451	28	1431	-73941.14133	810217.3170250766	-00.9997608702606	-101.0598945	121872.9310552047	4239867.151158753	3158.2589509592585	3062.9898972404067	3022.20898921471	3022.066747223776	40.70806798835914	40.5201224966308
452	28	1432	-73281.14133	810217.3170250766	-00.9997658851716	-101.0575698	122073.9934801123	4239863.151158753	3158.615969912041	3060.9031605093	3017.878805682626	3017.878805682626	42.3257426791781285	42.3257426791781285
453	28	1433	-72621.14133	810217.3170250766	-00.99977084445836	-101.055245	122275.057036673	4239864.17039707	3157.305478816282	3058.804733945888	3013.3458521073327	3013.3458521073327	44.589018705562	44.589018705562
454	28	1434	-71961.14133	810217.3170250766	-00.99977576681217	-101.0529202	122476.1170774017	4239865.14523451	3162.2507178176045	3056.6932138934229	3009.268519013066	3009.268519013066	47.50423368424299	47.50423368424299
455	28	1435	-71301.14133	810217.3170250766	-00.9997804025388	-101.0504688	122677.135827913	4239861.143836261	3160.7104581963	3054.6932138934229	3007.042571845937	3007.042571845937	50.791421467151462	50.791421467151462
456	28	1436	-70641.14133	810217.3170250766	-00.9997854689202	-101.0482707	122876.2414235565	4239847.142122435	3166.92370466397	3052.43419783251	3001.227303622396	3001.115476966554	51.2090842097549	51.2090842097549
457	28	1437	-69981.14133	810217.3170250766	-00.999790524429225	-101.0459458	123093.3029342455	4239841.91809585	3168.2143519170437	3050.297275323024	2998.516428017567	2998.292938677615	51.87399511436575	51.99885766459354
458	28	1438	-69321.14133	810217.3170250766	-00.9997949119249	-101.0436211	123280.3647352977	4239839.139860525	3171.736325765303	3048.162524	2996.07519314184	2995.732930432627	52.1253643088584	52.42599340280766
459	28	1439	-68661.14133	810217.3170250766	-00.99979969	-101.0412964	123481.4256839731	4239835.136871636	3173.127920795111	3046.049373306214	2993.725179	2993.725179	52.5649073954635	52.5649073954635
460	28	1440	-68001.14133	810217.3170250766	-00.99980433972114	-101.0389176	123682.486719791	4239831.1378781913	3173.3981301212333	3044.013900974927	2991.06583946545	2990.695198633645	52.940061504754	53.30619123829395
461	28	1441	-67341.14133	810217.3170250766	-00.9998096879676	-101.036734	123883.5476826793	4239827.1371276913	3172.655428258517	3042.00835253744	2989.56241489915	2988.12285878418796	53.6294714501012476	53.6294714501012476
462	28	1442	-66681.14133	810217.3170250766	-00.9998143971371	-101.034322	124084.6087744446	4239823.1516507446	3171.911556309178	3040.00835253744	2988.025429542798	2987.3329432504714	54.332601931958	54.332601931958
463	28	1443	-66021.14133	810217.3170250766	-00.99981801136498	-101.0319973	124285.66879171354	4239819.136537128	3171.5119551727	3038.755020923136	2987.3318204099687	2986.769502117226	55.40320051316756	55.40320051316756
464	28	1444	-65361.14133	810217.3170250766	-00.99982240687995	-101.0296725	124486.7291378773	4239815.13645778	3173.061003863727	3037.1569943021876	2986.4994213825626	2979.8928710358776	56.6575721955015	57.2641234282314
465	28	1445	-64701.14133	810217.3170250766	-00.99982690511146	-101.0273477	124687.78931214137	4239811.13644729	3172.4068807702626	3035.095218770977	2977.519454876282	2976.8853703557716	58.0753681794984	58.079484
466	28	1446	-64041.14133	810217.3170250766	-00.99983128463003	-101.0250229	124888.8843147097	4239807.13668153	3171.7527722723694	3034.58922817589	2974.394329871811	2973.750511	59.647640404825	60.2872122562916
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468	28	1448	-62721.14133	810217.3170250766	-00.9998399095775	-101.020374	125290.9869580505	4239798.13712321	3170.58192757701	3030.90835253744	2968.5627918441832	2968.5627918441832	63.044115171462	63.292198098956
469	28	1449	-62061.14133	810217.3170250766	-00.999844153716624	-101.0180486	125492.028294921	4239796.138	3170.034589933351	3029.3759071733865	2968.0253941078867	2967.423801591704	65.3539653049977	65.9475248928512
470	28	1450	-61401.14133	810217.3170250766	-00.99984853672925	-101.0157238	125693.067121255	4239791.139	3169.47314661001	3027.821224995295	2966.7029233595677	2966.2698012121968	67.55231897310174	67.55231897310174
471	28	1451	-60741.14133	810217.3170250766	-00.99985251	-101.0133991	125894.1467528673	4239787.1402301425	3168.9392108926347	3026.2677114986436	2967.764661285481	2967.393704908674	68.9010352136622	68.9010352136622
472	28	1452	-60081.14133	810217.3170250766	-00.99985661877551	-101.0110743	126095.2057359788	4239783.141446645	3168.417814715053	3024.715711582335	2964.981474664641	2964.5690338185544	69.7423511587134	70.056067326737802
473	28	1453	-59421.14133	810217.3170250766	-00.9998608397203	-101.0087495	126296.2645420776	4239787.1428350205	3167.891478135673	3023.1653861407694	2963.041706257584	2961.807110589139	70.0612510899139	71.29526756
474	28	1454	-58761.14133	810217.3170250766	-00.99986470426538	-101.0064247	126497.323187789	4239783.144389761	3167.371902532684	3021.613597893037	2961.6265904717094	2961.6265904717094	72.64717418409034	72.64717418409034
475	28	1455	-58101.14133	810217.3170250766	-00.9998687965655	-101.0040374	126698.3788588753	4239781.137191221	3166.91715824624	3020.00835253744	2960.393198123446	2960.393198123446	73.931198123446	74.009484
476	28	1456	-57441.14133	810217.3170250766	-00.99987261014254	-101.0017752	126899.439421547	4239787.140082979	3166.401923341329	3018.5234657632286	2959.336130957335	2958.7521759431	74.8281525709431	75.1830254554545
477	28	1457	-56781.14133	810217.3170250766	-00.99987649572629	-100.9994504								

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogskrg.f	BREIEvBothKrg.f	SatThKlog.f	SatThBoth.f
558	20539	-2661.1411327	810217.3170250766	39.10004230747208	-100.808818	343586.707535938	4239435.889741176	3012.4827103770526	2955.5309380980808	2866.159073142252	2866.085691912103	39.3178495575588	39.44258168590535
560	20540	-2601.1411327	810217.3170250766	39.100042466072765	-100.808432	343787.7523	4239431.306	3008.5205605034514	2904.1365704487584	2866.159728625238	2866.1994831961417	37.550841787500394	37.8937072536179
561	20541	-1341.141327	810217.3170250766	39.10004252976981	-100.804584	343968.796973481	4239437.3211564216	3008.5964982896484	2902.7381308136303	2866.159728625238	2866.17881656022116	35.5583140841863	35.5583140841863
562	20542	-681.1413269	810217.3170250766	39.100042458563566	-100.801837	344018.8414452196	4239437.813616665	3007.6127950562484	2901.3368387670794	2867.185123544033	2868.2033679274402	33.0568206731156	33.10645174335377
563	20543	-241.12132693	810217.3170250766	39.100042672453704	-100.7995189	344380.8857650914	4239419.954638302	3002.3415384230602	2899.83336486032	2866.6504310917576	2866.865710584204	33.2820053427462	33.24762590182636
564	20544	638.586730733514	810217.3170250766	39.10004265144209	-100.79711941	344591.929303322	4239419.97273815	3008.5208213955202	2863.633069433062	2868.582013955202	2868.642144523949	34.6523050849046	34.6523050849046
565	20545	1298.586730733514	810217.3170250766	39.100042585523376	-100.7948693	344792.973050606	4239411.98087631	3003.1699617338218	2897.123136148601	2860.0817650186937	2860.5642739591572	37.039696458428735	37.895628458428735
566	20546	1958.586730733514	810217.3170250766	39.100042474702946	-100.7925445	344984.0178155593	4239408.005	3003.584173365718	2895.174268271427	2856.48644007693	2856.56421295107	39.4256739373423	39.4256739373423
567	20547	2618.586730733514	810217.3170250766	39.10004237697898	-100.790277	345195.06153001526	4239404.022207806	3008.698619468518	2894.377126011601	2852.497631229696	2852.7972048426966	41.43681569172985	41.43681569172985
568	20548	3278.586730733514	810217.3170250766	39.10004212	-100.787589	345396.1053926514	4239400.93581841	2892.900245	2889.143774898139	2849.03131233203	2849.03131233203	43.75017279	43.75017279
569	20549	3938.586730733514	810217.3170250766	39.10004187	-100.7855701	345597.1458056976	4239396.056970308	2998.329693025028	2891.493027522217	2846.126074999237	2846.126074999237	45.5547343	45.5547343
570	20550	4598.58673073351	810217.3170250766	39.10004158	-100.7832453	345798.1917813623	4239392.075	2996.15405856304	2890.08496112597	2845.031231033497	2844.75373487325	45.0526507910034	45.05158625271
571	20551	5258.58673073351	810217.3170250766	39.100041247047955	-100.7809206	345999.234881443	4239388.092450607	2996.144012004812	2888.684291662594	2845.919840354301	2845.919840354301	42.82247570348454	42.82247570348454
572	20552	5918.58673073351	810217.3170250766	39.1000408660401	-100.7785958	346200.27784372653	4239384.110434883	2995.9337334491334	2887.281687917071	2848.2668804893234	2848.3742215682196	39.0148196774752	39.00467343885136
573	20553	6578.58673073351	810217.3170250766	39.100040441661333	-100.776271	346401.32056518597	4239380.128581891	2995.9251094853953	2885.881096980777	2850.5294448360415	2851.0940292797054	34.95145695973564	34.780783701694
574	20554	7238.58673073351	810217.3170250766	39.10003971612745	-100.774362	346602.3633	4239376.146986708	2997.100430377768	2884.426598005404	2853.290140570452	2853.5416264056425	31.19281023475878	30.94124339716147
575	20555	7898.58673073351	810217.3170250766	39.10003945666666	-100.7716214	346803.405834591	4239372.16537441	2998.912540812608	2883.07763269393	2855.06206051142	2855.38098865588	28.02573712850942	27.70243582382038
576	20556	8558.58673073351	810217.3170250766	39.100038860504	-100.7692966	347004.484196634	4239367.148025967	2992.9334090178977	2881.696026707187	2855.779604069142	2856.143077610213	25.612622951655	25.5524913970647
577	20557	9218.58673073351	810217.3170250766	39.10003829204597	-100.7669718	347205.490419022	4239364.20841551	2988.94272723354	2880.307926579624	2855.626703153887	2856.004751265497	24.23425504073725	24.30317639246505
578	20558	9878.58673073351	810217.3170250766	39.10003764233829	-100.764647	347406.53247821334	4239360.222	2986.975145287228	2878.329943468037	2855.040549176252	2855.423271496643	23.8831491429178502	23.8831491429178502
579	20559	10538.58673073351	810217.3170250766	39.10003694817115	-100.7623223	347607.574396145	4239356.204974505	2985.58772598404	2877.544826353977	2854.127950752166	2854.67569355647	23.41693188233182	23.41693188233182
580	20560	11188.58673073351	810217.3170250766	39.10003621	-100.759975	347808.6161565793	4239352.26	2985.78615724711	2876.71142959235	2853.271228465907	2853.856586216622	22.7143658747755	22.7143658747755
581	20561	11838.58673073351	810217.3170250766	39.1000354973845	-100.7576727	348068.657768227	4239348.727175974	2984.932817974813	2875.819847763413	2852.047819847763	2852.047819847763	21.783892716324	21.783892716324
582	20562	12518.58673073351	810217.3170250766	39.10003545457654	-100.7553479	348210.692050815	4239344.29427106	2986.186930824524	2874.021865142824	2851.544228411383	2851.544228411383	21.8976764054597	21.8976764054597
583	20563	13178.58673073351	810217.3170250766	39.100035203121494	-100.7530231	348411.7048555746	4239341.9254569	2988.58118	2872.08814131579	2850.699540057646	2851.325389787065	20.7660445387238	20.7660445387238
584	20564	13838.58673073351	810217.3170250766	39.10003281043379	-100.7506983	348612.781763489	4239336.39231082	2987.1692915191657	2874.017193615167	2849.7779178334085	2850.392325609395	20.363275781752145	20.34985504461763
585	20565	14498.58673073351	810217.3170250766	39.100031837446636	-100.7483735	348813.822790431	4239332.35937809	2987.757401367516	2869.4016281234035	2849.018187118537	2849.018187118537	19.85903626070873	19.85903626070873
586	20566	15158.58673073351	810217.3170250766	39.1000308255596	-100.7460487	349014.86367741524	4239328.379703414	2988.3455148115337	2868.063876306287	2848.05498510597	2848.591711747768	19.8494727769905	19.84771585060715
587	20567	15818.58673073351	810217.3170250766	39.1000297476718	-100.7437298	349218.943433625	4239324.14572978	2988.743151	2868.1723689784	2848.17795658342	2848.17795658342	18.65304251857272	18.65304251857272
588	20568	16478.58673073351	810217.3170250766	39.1000291392	-100.7413992	349416.9451	4239320.8420426	2988.69814023217	2868.44296262312	2848.68002374799	2848.68002374799	16.5445749316126	16.5445749316126
589	20569	17138.58673073351	810217.3170250766	39.100028734262356	-100.7390744	349617.9855456503	4239316.41626203	2982.0583174106334	2864.106624012306	2852.045438	2852.12780560737	15.72025578549913	15.72025578549913
590	20570	17798.58673073351	810217.3170250766	39.10002634395767	-100.7367496	349819.0528431675	4239307.44663074	2979.4258157410634	2862.794827529807	2856.6060783118527	2856.6060783118527	14.6800141453384	14.6800141453384
591	20571	18458.58673073351	810217.3170250766	39.10002511	-100.7344248	350020.065993939	4239304.483805845	2976.69698495525	2861.4858701785615	2861.3027769155337	2861.3027769155337	13.8103932630778572	13.8103932630778572
592	20572	19118.58673073351	810217.3170250766	39.10002382327875	-100.7321	350221.105998626	4239304.505127847	2973.87084091257	2860.170655744064	2859.730980490366	2860.233613140927	0	0
593	20573	19778.58673073351	810217.3170250766	39.10002259025907	-100.7297572	350422.145857753	4239300.582616885	2971.040524807939	2858.869212539704	2857.045641589893	2857.045641589893	0	0
594	20574	20438.58673073351	810217.3170250766	39.10002114090476	-100.7274768	350623.185370782	4239298.54527278974	2969.145821982821	2857.1476781409	2854.767819042801	2854.767819042801	0	0
595	20575	21098.58673073351	810217.3170250766	39.10001972788197	-100.7251256	350842.251390944	4239292.57	2968.557598067054	2856.327920244373	2856.2998647157373	2856.2998647157373	0	0
596	20576	21758.58673073351	810217.3170250766	39.1000182699541	-100.7228009	351025.2656207053	4239290.58209589	2964.08673063177	2854.9046623798376	2854.187967559519	2854.9196550921804	0	0
597	20577	22418.58673073351	810217.3170250766	39.1000167617236	-100.7204761	351226.3038041287	4239284.614242972	2960.53436331977	2853.536398103835	2888.584967	2888.90392821614	0	0
598	20578	23078.58673073351	810217.3170250766	39.10001521939482	-100.7181513	351427.34297347834	4239280.63665699	2958.035814957624	2851.288865691	2890.7226611620554	2891.104591817338	0	0
599	20579	23738.58673073351	810217.3170250766	39.10001362765883	-100.7158265	351628.3819623151	4239276.659057918	2956.081549162344	2850.783846557193	2890.241599250592	2890.241599250592	0	0
600	20580	24398.58673073351	810217.3170250766	39.10001186921735	-100.7135017	351829.420685904	4239272.861715834	2954.07270002671	2849.347485453548	2888.234447650591	2888.799067678973	0	0
601	20581	25058.58673073351	810217.3170250766	39.100010217376454	-100.7111768	352039.4592778454	4239268.704507032	2952.089814719516	2848.198814719516	2886.98492454615	2886.98492454615	0	0
602	20582	25718.58673073351	810217.3170250766	39.10000957340074	-100.7088612	352221.4980638294	4239264.72735212	2949.05501754119	2846.40473028028	2879.503605017536	2880.1151474365	0	0
603	20583	26378.58673073351	810217.3170250766	39.1000080718024	-100.7065273	352432.53467668124	4239260.75091256	2946.0210213279943	2844.873458441028	2877.56545866758	2877.259913	0	0
604	20584	27038.58673073351	810217.3170250766	39.1000049026946	-100.7042026	352633.5746740746	4239256.71601623	2942.159209	2843.303438054615	2862.697513692618	2863.33664557862	0	0
605	20585	27698.58673073351											

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.	BRrElevLogs.kg.r	BRrElevLogs.kg.r	SatH.ElevLogs.r	SatH.ElevLogs.r
68	20665	80458.85867307335	1801217.3170250766	39.09970888	-105.158995	688917.2102235356	4283995.217	2821.4900434105584	2726.1319512060436	2675.7320078357766	2675.1613829064395	30.3999493702071	50.9707829960411
686	20666	81158.85867307335	1801217.3170250766	39.09970317749093	-105.1335707	688191.28442140000	4283951.25336691	2824.5547688447676	2674.8054359385057	2673.3402541215387	2673.4513589980484	49.5101968372103	50.4173905887028
687	20667	81818.85867307335	1801217.3170250766	39.0996833370965	-105.112476	68937.212937572	4283923.39198739	2824.736433715233	2723.501214134978	2674.2467139038477	2674.2969516869687	49.323365581199	50.2741456043986
688	20668	82478.85867307335	1801217.3170250766	39.0996204434817	-105.089122	69029.29820375224	4283923.324030855	2822.095055019537	2722.291298213243	2674.4467030303343	2671.81418221418	49.8449610087285	50.4771159820431
689	20669	83138.85867307335	1801217.3170250766	39.0996661042248	-105.0659694	69371.3250596477	4283919.368355516	2819.433636326748	2721.014296077817	2670.6061883385346	2669.9690327474325	50.4771073282514	50.4771073282514
690	20670	83798.85867307335	1801217.3170250766	39.0996807159395	-105.042717	69692.2517535268	4283915.40355419	2816.772237635199	2719.7393911126455	2668.5067513978284	2667.8835253299749	51.2381713211101	51.8558653298347
691	20671	84458.85867307335	1801217.3170250766	39.0996750786259	-105.019489	670123.37832190224	4283914.41349005	2812.5443473457504	2718.4668229020153	2665.8944872232993	2665.647559104833	52.572356692055	52.7923479733018
692	20672	84118.85867307335	1801217.3170250766	39.099629922838	-104.99621	670324.404746683	4283907.474329966	2806.702354957547	2717.196795	2663.49254762654	2663.3062412844033	53.753949156206	53.8941337313884
693	20673	83798.85867307335	1801217.3170250766	39.0996542569134	-104.987284	670625.43166213274	4283907.517477067	2806.956933573747	2715.328951882791	2661.0154987998986	2660.062128691985	54.9182923070225	54.9182923070225
694	20674	84048.85867307335	1801217.3170250766	39.0995756725155	-104.949728	67076.1457474501	4283909.55790112	2795.1618157743	2714.658981491302	2658.502397655432	2658.40054273402	56.1556524273495	56.2577243790126
695	20675	83798.85867307335	1801217.3170250766	39.0995166380892	-104.926478	670927.48334197489	4283904.56269679	2794.13211481856	2713.386231273995	2656.050894587143	2655.919656277207	57.3273728556637	57.4686578915924
696	20676	87758.85867307335	1801217.3170250766	39.0964572	-104.903231	671128.50928476173	4283918.623191625	2797.06193660775	2712.117963895665	2653.497209405393	2653.464875604706	58.4587349092719	58.6530828486059
697	20677	88418.85867307335	1801217.3170250766	39.099639722515334	-104.879983	671229.53310306193	4283887.672	2801.607129446674	2710.8467160377145	2650.95744992425	2650.87920982147	58.8826511342958	58.88750621607234
698	20678	80738.85867307335	1801217.3170250766	39.0996336446386	-104.857678	671350.56970704836	4283883.710704455	2805.33681592783	2709.574855088717	2648.490814637149	2648.52976291891	61.0840041516794	61.04509217070084
699	20679	80738.85867307335	1801217.3170250766	39.099627651010704	-104.834388	671371.5863670159	4283879.749848424	2806.4099162328965	2708.302317091083	2646.1678215010225	2646.2048148045874	62.13505644	62.09383549595886
700	20680	90398.85867307335	1801217.3170250766	39.099621473654274	-104.81024	671932.81181131089	4283875.789158112	2804.821757320095	2707.028995971123	2644.160110053862	2642.8822572410578	62.8688940325043	62.8688940325043
701	20681	91058.85867307335	1801217.3170250766	39.099613	-104.786993	672133.871355139	4283871.82634055	2803.265144142926	2705.761526347575	2642.5515339733242	2642.5515339733242	63.2038166413321	63.1977675262227
702	20682	91718.85867307335	1801217.3170250766	39.0996008323324	-104.763745	672334.6623344593	4283867.68270605	2801.83352550491	2704.4812164136106	2641.545156980084	2641.468939677784	63.209695972	63.122673362862
703	20683	92378.85867307335	1801217.3170250766	39.099602066684	-104.740497	672535.687401454	4283863.90804125	2800.599023217352	2703.206930808512	2641.06612689412	2640.8903129332994	62.14080391272316	62.31662150155186
704	20684	90348.85867307335	1801217.3170250766	39.09959651320137	-104.71725	672736.7124	4283859.40852345	2800.79637963457	2701.381363813334	2641.301272899972	2641.0121890402937	62.6013974660104	62.91977440036104
705	20685	90988.85867307335	1801217.3170250766	39.09959016083139	-104.694002	672937.377125555	4283855.988	2799.55568395162	2700.659592778265	2641.0765863275035	2641.049275954049	58.89303895022985	59.25908832777626
706	20686	94358.85867307335	1801217.3170250766	39.0995837555879	-104.670475	673138.761999595	4283852.0804558	2798.039980387167	2699.378159141996	2640.7367880013326	2641.7983730933316	57.5793212366437	57.5793212366437
707	20687	95018.85867307335	1801217.3170250766	39.0995794895105	-104.645289	673465.831272604	4283849.24152634	2797.289162940297	2698.269181732709	2640.046117984583	2639.718304878463	58.684746805467	58.684746805467
708	20688	95678.85867307335	1801217.3170250766	39.0995708340555	-104.624259	673540.810456486	4283844.10961495	2797.4529614156	2696.8140203398	2641.964211420047	2640.9835114417206	54.8493095897346	55.830591127754
709	20689	96338.85867307335	1801217.3170250766	39.0995643022501	-104.601012	673741.8352277165	4283840.59141916	2796.584000371285	2695.525903420463	2640.6321565174903	2639.618476700009	54.8937469845599	55.9074266144048
710	20690	96988.85867307335	1801217.3170250766	39.0995572544182	-104.577764	673942.8550650573	4283836.19138936	2795.70598432017	2694.232529286925	2639.3116998128335	2637.745502288271	54.90289247406986	54.90289247406986
711	20691	97658.85867307335	1801217.3170250766	39.0995511036560	-104.554517	674143.886028394	4283822.32525459	2793.671231504403	2692.8328394595245	2637.312821492219	2635.580073734596	55.26001796730556	57.35281571994874
712	20692	98318.85867307335	1801217.3170250766	39.0995443696763	-104.531269	674344.907579306	4283828.27387707	2793.458155005425	2691.625705156878	2634.62296540374	2633.096148198206	56.7030096317427	58.5295632375617
713	20693	10358.85867307335	1801217.3170250766	39.09953772537687	-104.508922	674545.831427804	4283824.31526847	2792.289162940297	2689.269181732709	2634.046117984583	2633.7213160518515	57.5793212366437	57.5793212366437
714	20694	98318.85867307335	1801217.3170250766	39.0995309689813	-104.484774	674745.961650535	4283820.35629916	2794.118711574232	2688.94501357057	2633.4514546243	2632.4410909130886	58.6545485023754	60.570411225206
715	20695	100298.85867307335	1801217.3170250766	39.09952416748703	-104.461528	674947.978775569	4283816.398729455	2793.715241877726	2687.64807445675	2627.723321781387	2626.328744909459	59.92541506753605	61.3198623532160
716	20696	100958.85867307335	1801217.3170250766	39.09951721184955	-104.438279	675149.2037040897	4283812.44069934	2793.91878878786	2686.320951308115	2625.5114815741263	2624.2931335960715	60.36718157420024	62.620367134740024
717	20697	101618.85867307335	1801217.3170250766	39.099510429883766	-104.415031	675350.0257419238	4283808.48252843	2793.50567878044	2684.9465566096	2623.646746047658	2622.18486811089	61.3021955843314	62.7647495425092
718	20698	102278.85867307335	1801217.3170250766	39.0995033880004	-104.391784	675551.048993245	4283804.525123659	2793.105685787694	2683.987133271976	2621.937111981133	2620.567688898968	61.6510913406458	63.0216245282947
719	20699	102958.85867307335	1801217.3170250766	39.0994951287362	-104.368536	675752.071245746	4283800.567587391	2792.55467388888	2682.220201663403	2620.463765145906	2621.2047719257007	61.7584365187471	63.0154297382362
720	20700	10358.85867307335	1801217.3170250766	39.0994946895105	-104.345289	675945.831272604	4283804.31526847	2791.289162940297	2680.269181732709	2624.046117984583	2623.7213160518515	57.5793212366437	57.5793212366437
721	20701	104258.85867307335	1801217.3170250766	39.0994821615388	-104.322041	676154.1180280792	4283796.63021247	2791.77922128956	2679.4632102855	2618.265105328883	2617.22316815133	58.6545485023754	62.2027049
722	20702	104518.85867307335	1801217.3170250766	39.09947530044022	-104.299794	676355.1400060066	4283788.695973958	2790.486189183029	2678.077307405032	2617.51905137058	2616.661138	60.558212684546	61.6446192540839
723	20703	105578.85867307335	1801217.3170250766	39.09946813824126	-104.275546	676565.1635447726	4283784.79101247	2789.867712394062	2676.867571	2617.433282962532	2616.60141	60.08637590358984	60.08637590358984
724	20704	106238.85867307335	1801217.3170250766	39.09946034305554	-104.252529	676751.1588585207	4283780.782	2788.7511430115967	2675.29513629341	2615.754620412525	2615.02667031705276	58.7205158808834	58.7205158808834
725	20705	106688.85867307335	1801217.3170250766	39.099453388456	-104.229951	676968.2084041986	4283782.82593409	2788.17628549324	2674.7581682332007	2615.5670871130583	2615.6818117957057	63.33486121424414	63.33486121424414
726	20706	107558.85867307335	1801217.3170250766	39.0994463865116	-104.205904	677159.2037013187	4283782.82593409	2788.17628549324	2674.7581682332007	2615.5670871130583	2615.6818117957057	63.33486121424414	63.33486121424414
727	20707	108258.85867307335	1801217.3170250766	39.099439048875	-104.182614	677367.40834581	4283782.82593409	2788.17628549324	2674.7581682332007	2615.5670871130583	2615.6818117957057	63.33486121424414	63.33486121424414
728	20708	108878.85867307335	1801217.3170250766	39.099433700370184	-104.158309	677561.2748046804	4283782.82593409	2788.17628549324	2674.7581682332007	2615.5670871130583	2615.6818117957057	63.33486121424414	63.33486121424414
729	20709	109538.85867307335	1801217.3170250766	39.0994223317663	-104.136061	677762.296833511							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThLogs.ft	SatThBoth.ft
71	29	70791	-324741.1413	110877.3170250766	39.06419889357288	-101.9432866	245458.7740555914	43131601.482807397	3881.753877171075	3789.6707107147524	3763.375864537423	3765.161578916093	2473302737329335	24.509138068969605
72	29	70792	-324081.1413	110877.3170250766	39.06441636976928	-101.9406321	245659.9173688551	43157491.51965119	3877.149564306665	3767.682802578336	3762.05010269916	3768.3437545162826	25.6336969422758	18.73025762810798
73	29	70793	-323421.1413	110877.3170250766	39.06453388949121	-101.9386786	245861.0604300152	43159334.94071917	3875.545269090917	3773.0186974889917	3764.066891159549	3771.4240647217935	24.7518074036744	24.23974814
74	29	70794	-322761.1413	110877.3170250766	39.06485970119545	-101.9363311	246032.20332451	431589.28276214	3867.94039413444	3773.61586945174	3759.540082112656	3774.582550219696	25.02763534784922	11.00004141551131
75	29	70795	-322101.1413	110877.3170250766	39.065079045842365	-101.9338886	246263.35489677523	431586.112423513	3863.84513380155	3771.541488827277	3757.7437846522633	3771.242965071359	23.79771471	10.28683375118157
76	29	70796	-321441.1413	110877.3170250766	39.06529796670566	-101.9316641	246464.48802797587	4315851.2505976	3860.258378561575	3779.474284123399	3755.964241331355	3767.624813911579	23.6785999026332	11.61620933181936
77	29	70797	-320781.1413	110877.3170250766	39.06551642604151	-101.9293396	246665.60320575196	431577.048259602	3856.6714437502196	3777.321666758348	3753.8438234825027	3764.7058238426027	24.67333913141185	13.20247338193996
78	29	70798	-320121.1413	110877.3170250766	39.0657346434303	-101.9270151	246866.77206114275	431573.01843347	3853.1719745120933	3753.19745120933	3751.2943296085728	3759.028808516772	23.88631512360397	15.65884662959911
79	29	70799	-319461.1413	110877.3170250766	39.0659519978717	-101.9246866	247067.91381387725	431568.51588429	3849.2041111892505	3773.0186974889917	3764.066891159549	3771.4240647217935	24.84050771159969	16.01688711153038
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81	29	70801	-318141.1413	110877.3170250766	39.0663857739114	-101.9200416	247470.1956674784	431560.621985549	3845.856333514424	3768.648258352506	3740.8121692046325	3747.16543144408	24.83609120673567	21.8228818065718
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83	29	70803	-316821.1413	110877.3170250766	39.0668817541568	-101.9153925	247872.477431996325	431554.891875299	3842.07676520365	3764.200095584919	3732.505414089159	3739.393955569489	24.6095401470866	24.26095401470866
84	29	70804	-316161.1413	110877.3170250766	39.0670331	-101.913068	248073.6176213017	431548.62706848	3841.0309067011	3761.9462110006425	3728.6852933278858	3736.266394593115	23.2609172178461	25.67937151330966
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86	29	70806	-314841.1413	110877.3170250766	39.0674622574043	-101.908419	248475.89747510252	431540.4977903249	3838.963738970654	3757.3812301544785	3722.3957216537762	3729.755322222434	24.98548850720366	27.62558932231112
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89	29	70809	-312861.1413	110877.3170250766	39.068102900971	-101.901454	249079.3158713805	431528.306551021	3833.0294713267	3748.034971947749	3718.1995515488375	3723.79118428976	23.19542038911665	26.60377118073342
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91	29	70811	-311541.1413	110877.3170250766	39.0685877173413	-101.8967963	249481.5927515631	431520.17827238	3827.869246647035	3743.655608995143	3717.14818298428	3722.5803502339935	23.6785999026332	23.6785999026332
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93	29	70813	-310221.1413	110877.3170250766	39.0691665323612	-101.8919233	249884.614485428	431512.458298857	3820.1283499713427	3748.124045977467	3716.021989477467	3722.5803502339935	23.6785999026332	23.6785999026332
94	29	70814	-309561.1413	110877.3170250766	39.06946115454485	-101.8898227	250065.00836983	431507.98501973	3816.400781439577	3738.41213000824	3714.70077871394	3714.81213000824	23.7115321942755	23.7115321942755
95	29	70815	-308901.1413	110877.3170250766	39.0697319237749	-101.8874892	250286.14450329475	431503.585820325	3813.3222711936233	3735.9674060717	3713.2291041104363	3716.924004	22.73800496670642	19.9949001
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109	29	70829	-299661.1413	110877.3170250766	39.0722700786335	-101.8549546	253102.0445466882	431447.06027018	3778.051462725057	3700.8732743	3643.94307636269	3649.048040385	23.6785999026332	23.6785999026332
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111	29	70831	-298341.1413	110877.3170250766	39.07267891742765	-101.8503055	253504.3120556785	431439.42174088	3770.688677074895	3695.6874339076	3635.933922011677	3635.933922011677	23.6785999026332	23.6785999026332
112	29	70832	-297681.1413	110877.3170250766	39.0728763963845	-101.8478909	253705.4544343683	431434.862164009	3775.332776614943	3693.07576002513	3662.048327814738	3662.048327814738	23.6785999026332	23.6785999026332
113	29	70833	-297021.1413	110877.3170250766	39.073074903985	-101.8454718	253906.578819296	431430.4222794848	3770.688677074895	3693.07576002513	3662.048327814738	3662.048327814738	23.6785999026332	23.6785999026332
114	29	70834	-296361.1413	110877.3170250766	39.073283904118	-101.8433318	254107.1714886782	431426.76265591	3768.226456161429	3687.8807216116429	3629.185405075434	3629.185405075434	23.6785999026332	23.6785999026332
115	29	70835	-295701.1413	110877.3170250766	39.073485240748945	-101.8410073	254308.8414568776	431422.781592323						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f
197	29	2017	-241581.1413	101877.3170250766	39.088842708136654	-11.6503893	770800.9130427797	4310390.45028759	3510.8217214859956	3446.248262671304	3448.744915116621	3450.54027676226	0	0
198	29	2018	-240021.1413	101877.3170250766	39.08863621539656	-11.6480467	771002.02620189916	4310396.359960754	3498.743546506576	3443.021502488561	3446.493225524651	3448.9202541990306	0	0
199	29	2019	-240261.1413	101877.3170250766	39.08877989044122	-11.6483215	771039.815469297	4310392.315	3498.4040236274442	3439.796729122812	3448.384033383194	3446.216730771806	0	0
200	29	2020	-239601.1413	101877.3170250766	39.0889631364912	-11.6434153	771404.251804949	431078.26978932	3500.8097226724073	3436.56808505192	3441.636265143887	3444.180854762638	0	0
201	29	2021	-238841.1413	101877.3170250766	39.088912592355155	-11.6410097	771605.3643	431074.22462162	3506.213231722196	3433.3382249681154	3439.888597609967	3442.641894198812	0	0
202	29	2022	-238281.1413	101877.3170250766	39.08923881	-11.637876	771806.476764364	431070.18030497	3511.617407719204	3430.1047952395875	3438.418152549185	3441.138130447431	0	0
203	29	2023	-237621.1413	101877.3170250766	39.0894564	-11.6364414	772007.5885028306	431066.13589161	3516.4066940559528	3426.8685416512885	3437.779088	3439.750600505263	0	0
204	29	2024	-236961.1413	101877.3170250766	39.0896115908633	-11.6341167	772208.70050991327	4311062.01504104	3520.5839615742916	3423.630045388437	3436.807049415833	3438.90759049294	0	0
205	29	2025	-236301.1413	101877.3170250766	39.08977258195646	-11.631792	772409.812088917	4311058.472693317	3528.4514916952631	3420.389548033969	3436.5863358962087	3438.63015195997	0	0
206	29	2026	-235641.1413	101877.3170250766	39.0899331240571	-11.6294764	772610.923443381	4311054.03384791	3528.937917	3417.147321	3436.771402520406	3438.571406	0	0
207	29	2027	-234981.1413	101877.3170250766	39.090039321716515	-11.6271427	772812.034574794	4311059.95980521	3524.1050050842826	3413.9030755776525	3437.4350838787495	3438.762263842638	0	0
208	29	2028	-234321.1413	101877.3170250766	39.0902526612799	-11.624818	773013.154774471	4311045.915946498	3510.2636922125675	3410.655932097695	3438.866265540677	3441.012322815884	0	0
209	29	2029	-233661.1413	101877.3170250766	39.0904120564015	-11.6224934	773214.25611841	4311041.872482717	3496.421883440852	3407.4061355207327	3440.95825986527	3442.80190865303	0	0
210	29	2030	-233001.1413	101877.3170250766	39.0905708025325	-11.6201687	773413.36661477864	4311037.821918169	3482.5800746691366	3404.153976960344	3442.54564191918823	3444.002957721143	0	0
211	29	2031	-232341.1413	101877.3170250766	39.090729995632	-11.6181784	773615.476847534	4311033.786965847	3474.603956	3400.8997695460293	3443.9415139039284	3441.59917553242907	0	0
212	29	2032	-231681.1413	101877.3170250766	39.09090899	-11.6151814	773817.5868567114	4311029.743112747	3472.4923415564072	3397.6439252169116	3433.27540535019	3434.691066698415	0	0
213	29	2033	-231021.1413	101877.3170250766	39.0910453469478	-11.6131947	774018.6966423404	4311025.70039852	3473.381122417934	3394.387559054511	3425.9840101314867	3427.670216841613	0	0
214	29	2034	-230361.1413	101877.3170250766	39.0912012970982	-11.610187	774219.8062	4311021.657717168	3468.2699032717956	3391.1322066204207	3419.3241419939739	3421.030103	0	0
215	29	2035	-229701.1413	101877.3170250766	39.09135779825325	-11.6085454	774420.915644139	4311017.615	3472.8784770271688	3387.8789561895037	3413.2907290199714	3415.150278999739	0	0
216	29	2036	-229041.1413	101877.3170250766	39.0915138501272	-11.6062207	774622.0546606896	4311013.573	3484.206584709536	3384.6284107820957	3407.3242604751313	3411.1086356120683	0	0
217	29	2037	-228381.1413	101877.3170250766	39.09166945376766	-11.603896	774823.1336	4311009.53000266	3495.536237115939	3381.381014584706	3402.292942850596	3406.586042949259	0	0
218	29	2038	-227721.1413	101877.3170250766	39.0918246077444	-11.6015713	775024.2422260505	4311005.48988324	3506.863981722837	3378.137240487017	3397.641974894613	3402.3359605817194	0	0
219	29	2039	-227061.1413	101877.3170250766	39.0919781218161	-11.5992586	775209.740367341	4310949.507260966	3498.5987263377826	3383.553054129823	3394.4897819989849	3400.659582764738	0	0
220	29	2040	-226401.1413	101877.3170250766	39.0921335690104	-11.596922	775426.4580260313	4310937.405461495	3503.4238951231036	3371.662053234418	3389.633221252447	3395.341813484442	0	0
221	29	2041	-225741.1413	101877.3170250766	39.0922873762991	-11.5945973	775627.5669080378	4310939.364	3497.35464805829	3368.432850985887	3386.162981990196	3392.037312119883	0	0
222	29	2042	-225081.1413	101877.3170250766	39.0924407344501	-11.5922726	775828.674691864	4310989.322942184	3491.2854009855537	3365.209335803632	3383.020009044647	3389.092719284038	0	0
223	29	2043	-224421.1413	101877.3170250766	39.0926593643633	-11.5899479	776029.7825422881	4310955.281861012	3489.920567228485	3361.9931360758646	3379.2633060080693	3386.359487674856	0	0
224	29	2044	-223761.1413	101877.3170250766	39.0927461038189	-11.5876233	776230.889955137	4310981.240499976	3493.260146783124	3358.7850514257448	3376.32815451695	3385.177859468903	0	0
225	29	2045	-223101.1413	101877.3170250766	39.09289581150064	-11.5852958	776431.9697517453	4310995.97263377826	3498.5987263377826	3353.5696774020753	3374.1582791958586	3380.958487876938	0	0
226	29	2046	-222441.1413	101877.3170250766	39.09304587711959	-11.5827379	776633.103518179	4310973.15832739	3498.075496254098	3352.3980909	3373.1867722174	3381.978722174	0	0
227	29	2047	-221781.1413	101877.3170250766	39.09320079038655	-11.5806492	776834.210294045	4310969.119327592	3503.300584267778	3349.222357	3370.823613071534	3380.07605609311	0	0
228	29	2048	-221121.1413	101877.3170250766	39.09335145457815	-11.5783245	777035.316752359	4310955.07900713	3506.6835614638935	3346.095224095396	3369.684707229965	3379.88576589887	0	0
229	29	2049	-220461.1413	101877.3170250766	39.0935016697707	-11.5759988	777236.4229908205	4310961.038946529	3507.9130430509493	3342.910373430467	3368.826799067573	3378.961231506679	0	0
230	29	2050	-219801.1413	101877.3170250766	39.0936514359368	-11.5736751	777437.52909115977	4310965.99056136	3513.4449515861244	3339.775850537376	3368.46387558243	3379.550733990415	0	0
231	29	2051	-219141.1413	101877.3170250766	39.09380075315715	-11.57137058	777638.6348071727	4310952.959338245	3515.38715043599	3336.6698480401	3368.546721	3378.03314517309	0	0
232	29	2052	-218481.1413	101877.3170250766	39.09395446489584	-11.5691256	777839.740367341	4310949.507260966	3518.873404129823	3333.553054129823	3370.823613071534	3379.859582764738	0	0
233	29	2053	-217821.1413	101877.3170250766	39.0940980405434	-11.5667101	778040.8457638435	4310944.88040515	3516.371734327977	3330.462512789872	3369.2244413396643	3379.136702971924	0	0
234	29	2054	-217161.1413	101877.3170250766	39.0942460107358	-11.5643764	778241.9508868296	4310940.841195305	3516.864025326243	3327.386167261451	3370.954082176732	3380.012580502566	0	0
235	29	2055	-216501.1413	101877.3170250766	39.0943935319273	-11.5620517	778443.055808437	4310936.802155245	3514.0464270484	3324.340536991778	3373.961296450375	3381.386823620656	0	0
236	29	2056	-215841.1413	101877.3170250766	39.0945460411179	-11.559727	778644.16051124595	4310932.763285235	3507.9130430509493	3321.2770484555736	3376.5847769674338	3383.352731721113	0	0
237	29	2057	-215181.1413	101877.3170250766	39.0946872273068	-11.5574023	778845.274855258	4310928.744855258	3501.7916243106047	3318.248037961328	3380.4482791884275	3385.569865382953	0	0
238	29	2058	-214521.1413	101877.3170250766	39.09483430149405	-11.5550776	779046.3692614578	4310924.60655515	3495.664205115696	3315.239445955008	3384.87276884717	3389.000682380089	0	0
239	29	2059	-213861.1413	101877.3170250766	39.0949842687505	-11.5527313	779247.52521566628	4310920.2521566628	3498.075496254098	3314.25261566628	3382.927416893869	3390.4716893869	0	0
240	29	2060	-213201.1413	101877.3170250766	39.0951244002762	-11.5504282	779448.577311595	4310916.6905942	3495.45142880773	3309.288424586433	3382.9289949318343	3394.367639	0	0
241	29	2061	-212541.1413	101877.3170250766	39.0952692	-11.5481035	779649.6807513297	4310912.74148593	3497.352841138671	3306.3495946729813	3389.96187758019	3391.2166631096547	0	0
242	29	2062	-211881.1413	101877.3170250766	39.0954136082207	-11.5457788	779850.784149586	4310908.53635699	3499.2611339382643	3303.43789023205	3386.3140231749567	3387.502148308413	0	0
243	29	2063	-211221.1413	101877.3170250766	39.095557353795	-11.5435451	780051.8237333295	4310904.49595796	3498.323068040633	3300.550705895197	3382.871700110239	3384.23029338	0	0
244	29	2064	-210561.1413	101877.3170250766	39.0957011077566	-11.5411294	780252.9902835784	4310900.48445883	3494.543427079727	3307.694083234955	3379.60502214817	3380.88883260656	0	0
245	29	2065	-209901.1413	101877.3170250766	39.09585446489584	-11.5388047	780464.4761268485	4310896.916188679	3492.87263377826	3306.86980376988	3378.001041783309	3377.215154204656	0	0
246	29	2066	-209241.1413	101877.3170250766	39.0959958305952	-11.53648	780647.9351957	4310892.3833982	3498.9841517004	3302.073529141364	3377.147404355696	3372.79848213686	0	0
247	29	2067	-208581.1413	101877.3170250766	39.09611									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogs.ft	BR ElevBothKgs.ft	SatThkLogs.ft	SatThkBoth.ft
323	29	21043	-158421.1413	110877.3170250766	39.100561707907595	-101.3574754	296139.45575494773	4330582.031686799	3362.064100182534	3189.017554060135	3209.283569036626	3252.2085770163835	0	0
324	29	21044	-157761.1413	110877.3170250766	39.100572463817855	-101.3551507	296340.542009403	4330578.00771796	3367.514094379473	3188.951596922737	3207.047984001436	3252.170492440468	0	0
325	29	21045	-157101.1413	110877.3170250766	39.10056317482596	-101.3532599	296451.628	4330583.9898115	3365.41733862158	3188.1728788310232	3204.8323313252	3251.167892	0	0
326	29	21046	-156441.1413	110877.3170250766	39.10053934093161	-101.3505011	296742.7139185478	4330569.960389961	3378.4140827733527	3187.755915	3201.431459	3250.228615392645	0	0
327	29	21047	-155711.1413	110877.3170250766	39.10066444213508	-101.3481764	296943.7995275713	4330565.93663103	3381.7963578154777	3187.339466729589	3199.341020452102	3249.399760711095	0	0
328	29	21048	-155121.1413	110877.3170250766	39.100615038436246	-101.3458516	297144.5806168616	4330561.913705605	3383.110913705605	3186.9222837326	3197.779705020946	3248.5771198416323	0	0
329	29	21049	-154541.1413	110877.3170250766	39.10062556983507	-101.3435268	297345.90782018116	4330557.890617457	3384.42546599098	3186.503562003891	3196.524116812408	3248.424556	0	0
330	29	21050	-153801.1413	110877.3170250766	39.10063606331545	-101.3412021	297547.0553395752	4330553.867969855	3388.740025474084	3186.02499981407	3195.517603459209	3248.4673732241	0	0
331	29	21051	-153141.1413	110877.3170250766	39.10064967893085	-101.3388773	297749.1403	4330549.845	3388.739966776267	3185.558363980234	3194.71162262275958	3248.762864346027	0	0
332	29	21052	-152481.1413	110877.3170250766	39.10056946452256	-101.3358529	297949.22480272	4330545.822367052	3387.424391952762	3185.230141459454	3194.064968969564	3247.615108007574	0	0
333	29	21053	-151821.1413	110877.3170250766	39.10066725	-101.3342227	298158.309406536	4330541.8	3388.109117707228	3184.7979717715807	3194.3172155715847	3247.48694207695	0	0
334	29	21054	-151161.1413	110877.3170250766	39.10067755329877	-101.331903	298351.3936645575	4330537.7777174737	3388.798342416935	3184.361417527597	3193.8679312789896	3247.5342439711224	0	0
335	29	21055	-150501.1413	110877.3170250766	39.10068781528344	-101.3295782	298552.4777429973	4330533.7556425445	3387.67518771096426	3183.920467007042	3193.4880433882327	3246.98189392073	0	0
336	29	21056	-149841.1413	110877.3170250766	39.10068803236522	-101.327254	298753.56158716057	4330529.733739647	3384.75150575041	3183.475534	3193.160278570005	3247.841311512663	0	0
337	29	21057	-149181.1413	110877.3170250766	39.1007002454474	-101.3249287	298964.64525124914	4330525.71009042	3381.8311115349118	3183.0260249397224	3192.871144799067	3247.352698	0	0
338	29	21058	-148521.1413	110877.3170250766	39.10071833182175	-101.3220309	299155.7287174732	4330521.69041722	3378.900703031945	3182.571352108957	3192.611791144554	3246.94206115067	0	0
339	29	21059	-147861.1413	110877.3170250766	39.100728414196254	-101.3202791	299358.6119806311	4330517.669046675	3375.890305802486	3182.1109507393026	3192.374377693449	3246.41200230044	0	0
340	29	21060	-147201.1413	110877.3170250766	39.10073845166819	-101.3179543	299557.8905571321	4330513.647820895	3372.774801936933	3181.6442733933427	3192.1545785656024	3246.3189592027	0	0
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342	29	21062	-145881.1413	110877.3170250766	39.100758339190442	-101.3133048	299960.06060777325	4330505.605877113	3365.54379420608	3180.692479260479	3191.702733007107	3242.700257896432	0	0
343	29	21063	-145221.1413	110877.3170250766	39.10076829466866	-101.310398	300061.134077822	4330495.1385159093	3364.68795430082	3180.2070224116414	3191.52746336799	3241.05644807345	0	0
344	29	21064	-144561.1413	110877.3170250766	39.100778152530275	-101.3085852	300263.225371035	4330497.585	3363.4263017437247	3179.71443005802	3191.359812271386	3238.62585454717	0	0
345	29	21065	-143901.1413	110877.3170250766	39.1007884546925	-101.3058434	300463.544230756	4330493.544230756	3362.284273826271	3178.731783826271	3190.5473198211274	3234.48203540404	0	0
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347	29	21067	-142581.1413	110877.3170250766	39.10080745669926	-101.3018089	300965.47104317206	4330485.50397907	3358.738952152485	3178.187170387634	3191.428113731427	3231.36949572251	0	0
348	29	21068	-141921.1413	110877.3170250766	39.10081713495025	-101.2993561	301166.55254196626	4330481.4841073975	3353.4727213980855	3177.6623421848008	3191.29083684842	3229.298331151433	0	0
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350	29	21070	-140601.1413	110877.3170250766	39.10083635674409	-101.2947065	301568.7149529084	4330473.444871166	3343.660259891759	3176.5887994501168	3191.108603196331	3226.243198	0	0
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353	29	21073	-138621.1413	110877.3170250766	39.10086485266424	-101.2877322	302171.9571057105	4330461.387285673	3334.793706116934	3174.919453	3191.113624328437	3221.10938178309	0	0
354	29	21074	-137961.1413	110877.3170250766	39.10087426149873	-101.2854074	302373.0374339204	4330457.368428841	3332.2283076376363	3174.346155478189	3190.889419	3219.56871259038	0	0
355	29	21075	-137301.1413	110877.3170250766	39.10088362543039	-101.2830826	302574.1175679973	4330453.349741159	3329.1283359596973	3173.7638816515372	3191.0266202745975	3218.078981944194	0	0
356	29	21076	-136641.1413	110877.3170250766	39.10089294445925	-101.2807578	302775.19750778225	4330449.331226225	3325.492717231177	3173.1723185773517	3191.071879305468	3216.70614216689	0	0
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359	29	21079	-134661.1413	110877.3170250766	39.100920532128634	-101.2737835	303378.4376162963	4330437.276688182	3316.676507728849	3191.3332743284095	3191.02546204119	3212.87145134446	0	0
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361	29	21081	-133341.1413	110877.3170250766	39.10093886660402	-101.2691339	303780.59429597776	4330429.241668515	3307.6516194676956	3190.0702235758937	3192.679699480249	3210.22895057898	0	0
362	29	21082	-132681.1413	110877.3170250766	39.10094791567193	-101.2668091	303981.6730734355	4330425.23663024	3304.1943972802107	3189.356702943924	3192.9894693613427	3209.1284841094284	0	0
363	29	21083	-132021.1413	110877.3170250766	39.100956920380504	-101.2644843	304182.7516643957	4330421.360328289	3301.502147	3188.66471863087	3192.9907845616965	3207.9204014243486	0	0
364	29	21084	-131361.1413	110877.3170250766	39.10096589018609	-101.2621595	304383.8035762403	4330417.189162335	3296.7068831469874	3187.564647505974	3193.568755411325	3207.086240703656	0	0
365	29	21085	-130701.1413	110877.3170250766	39.10097500029987	-101.2598143	304584.3211661568	4330413.2711661568	3294.8422735961194	3187.322735961194	3193.484331308463	3206.23891308463	0	0
366	29	21086	-130041.1413	110877.3170250766	39.10098365088229	-101.25757	304785.986279249	4330409.155338545	3292.125355	3186.482102675398	3194.544710267804	3201.879041107431	0	0
367	29	21087	-129381.1413	110877.3170250766	39.10099249018489	-101.2551852	304987.06408497225	4330405.138680906	3293.6510487163217	3185.723532927705	3194.936275849332	3201.5481791819563	0	0
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369	29	21089	-128061.1413	110877.3170250766	39.1010100566884	-101.2505356	305389.291440785	4330397.106	3287.338335	3184.1507467134957	3194.07012630833	3199.025894662205	0	0
370	29	21090	-127401.1413	110877.3170250766	39.1010187	-101.2482108	305590.2963856405	4330393.089719025	3284.182005238158	3183.37324531266	3193.001171647841	3200.820518946146	0	0
371	29	21091	-126741.1413	110877.3170250766	39.1010278154072	-101.245886	305791.373478966	4330389.07376733	3282.2505045292827	3182.6505045292827	3191.858583724805	3198.3684049621283	0	0
372	29	21092	-126081.1413	110877.3170250766	39.10103624121596	-101.243253	305992.45028324	4330385.07923466	3281.54522084115					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SatThdegs	SatThBoth.ft
449	2119	-75261.14133	018077.1372025076	39.10156334172447	-101.0645507	321474.816179034	4330076.3472476145	3163.6917315721885	3066.8082427259119	3033.5118144303306	3033.5713580274337	32.9642829478826	33.2368486978513	
450	2170	-74601.14133	018077.1372025076	39.10155843929603	-101.0622258	321675.8742173759	4330072.344593743	3158.641768819338	3064.746329566633	3029.7270964526033	3029.9459261922852	30.91923260740955	34.798602874378045	
451	2171	-73841.14133	018077.1372025076	39.10157349	-101.059881	321876.8366230523	4330074.308106268	3158.8436898844347	3062.864371165075	3025.3623476162504	3025.5439781595705	37.1241891529433	37.1241891529433	
452	2172	-73281.14133	018077.1372025076	39.10157801301056	-101.0572267	322077.98889216061	4330064.34	3161.298348095372	3060.57517434757	3020.571020599034	3020.760943	40.048075485367	39.81422110436975	
453	2173	-72621.14133	018077.1372025076	39.10158346	-101.0552513	322279.0606808333	4330060.33642471	3163.7527475206207	3058.46711486734	3015.86806741989	3015.005805868995	42.599082244745114	42.4613011773889	
454	2174	-71961.14133	018077.1372025076	39.101583838	-101.0529265	322480.1286976453	4330056.33642471	3166.207130951703	3056.3445417689813	3011.401543977934	3011.044299571127796	44.54209791037214	44.520492957815344	
455	2175	-71301.14133	018077.1372025076	39.101593525674044	-101.0506017	322681.18485970793	4330052.332805612	3168.668880581543	3054.207012813492	3006.9587991686867	3006.9407344786623	47.24821364795214	47.26628813485698	
456	2176	-70641.14133	018077.1372025076	39.10158608541191	-101.0482768	322904.322365143	4330048.332805612	3171.137997220116	3052.0546731892905	3003.217020702619	3003.0591375432962	48.959317926845	48.99537136063026	
457	2177	-69981.14133	018077.1372025076	39.10160286978246	-101.045852	323083.3675320065	4330044.332805612	3173.693711588875	3049.888251448127	3000.712969243533	3000.44416162504	48.755890127885	48.755890127885	
458	2178	-69321.14133	018077.1372025076	39.101570804232	-101.0436272	323284.3675391862	4330040.329424342	3176.072295623307	3047.71232966233	2998.71232966233	2997.904871711112	48.436459573843	48.436459573843	
459	2179	-68661.14133	018077.1372025076	39.1016123	-101.0413024	323485.42987316055	4330036.32	3177.4484891945017	3045.53427608496	2995.8020263988	2995.7811561180048	49.62462572507855	49.62531645045317	
460	2180	-68001.14133	018077.1372025076	39.10161695105831	-101.038975	323686.4907342888	4330032.3273134725	3177.7238913005476	3043.385716560358	2993.258862654512	2992.59536033408	50.12683026490686	50.12683026490686	
461	2181	-67341.14133	018077.1372025076	39.10162515552084	-101.036527	323887.5514	4330028.3273134725	3177.9992391005476	3041.422958129556	2990.708264817053	2989.896162986743	50.71493626	51.526795148212716	
462	2182	-66681.14133	018077.1372025076	39.101626114455115	-101.0343279	324088.6119386212	4330024.32577856	3178.2746955124234	3039.77882129825	2987.80427962807	2987.0413246125096	51.7547951731554	52.71547951731554	
463	2183	-66021.14133	018077.1372025076	39.101630628797174	-101.032003	324289.672822347	4330020.325412498	3178.075251282916	3038.2399476595287	2984.9084085999033	2984.71132458137	53.2055330959535	54.1196230778978	
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479	2199	-55461.14133	018077.1372025076	39.1016965128893	-100.9948057	327506.615410071	4329956.34084786	3165.086241	3013.458068614055	2936.20525395706	2935.9806447920427	77.25281466	77.25281466	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThgLogs.ft	SatThgBoth.ft
575	21295	7898.858673073351	810877.3170250766	-0.10185207969438	-0.077162027	34687.38981232006	4329573.336351011	2999.222817776114	2838.427744805565	2855.6188074517706	2856.2104341272825	27.80880495439453	27.2173147822623	
576	21296	8588.858673073351	810877.3170250766	-0.10185152	-0.07699499	347008.4320022023	4329569.354809857	2996.394222337016	2856.025992082523	2856.5297339813125	2857.0213116855625	25.021781522696917	25.021781522696917	
577	21297	9218.858673073351	810877.3170250766	-0.101850916961	-0.07686741	347109.474042089	4329567.37316857	2997.568747	2857.586248313245	2858.091815680907	2859.07376024071	24.8986273623245	24.84486772513897	
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579	21299	10538.858673073351	810877.3170250766	-0.101849570787415	-0.07662321	347611.557810952	4329557.41311981	2989.2791837046445	2877.954924874623	2854.243319925481	2856.756896	23.7160958010423	23.1980337257323	
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582	21302	12518.858673073351	810877.3170250766	-0.1018477176038	-0.07655348	348214.68023427	4329548.49820368	2988.0166959407	2875.035606010343	2851.547407819894	2852.13720687824	22.58119813935892	21.76828913151875	
583	21303	13178.858673073351	810877.3170250766	-0.101846584	-0.07653021	348415.72317574978	4329544.48898671	2987.586747	2874.22725658174	2850.31678513065	2851.94868365748124	22.267114684948	21.267114684948	
584	21304	13838.858673073351	810877.3170250766	-0.1018454229919	-0.07650671	348616.7167195918	4329537.50826597	2987.231174138516	2871.23023974791	2848.892638397383	2850.42712849027	21.85042055151846	20.81202567659946	
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613	21333	32978.858673073351	810877.3170250766	-0.10179923689615	-0.075832766	354446.8901305556	4329422.15860111	2926.784292100318	2828.567122323622	2818.796084647376	2818.796084647376	19.04020822311895	19.5956870986618	
614	21334	33638.858673073351	810877.3170250766	-0.10179716967	-0.075809518	354647.9268031829	4329418.181712253	2926.784292100318	2826.8014613459427	2812.71212957	2813.386605705812	19.04020822311895	19.5956870986618	
615	21335	34298.858673073351	810877.3170250766	-0.1017951696952516	-0.07578629	354848.9633432803	4329414.20673258	2923.10158890296	2825.04363299474	2806.4974638482163	2806.4974638482163	19.04020822311895	19.5956870986618	
616	21336	34958.858673073351	810877.3170250766	-0.101793203324119	-0.075763201	355049.9997243518	4329410.231919309	2923.10158890296	2823.305223440734	2800.967831652731	2801.7949471269403	19.04020822311895	19.5956870986618	
617	21337	35618.858673073351	810877.3170250766	-0.1017912613724	-0.075740117	355250.9997243518	4329406.2631724	2923.10158890296	2821.57432411724	2800.967831652731	2801.7949471269403	19.04020822311895	19.5956870986618	
618	21338	36278.858673073351	810877.3170250766	-0.1017894564195	-0.075717654	355460.1028223804	4329402.283	2923.10158890296	2819.874462794134	2819.874462794134	2819.874462794134	19.04020822311895	19.5956870986618	
619	21339	36938.858673073351	810877.3170250766	-0.1017876465191	-0.075694326	355661.108050461	4329398.30481854	2923.10158890296	2818.19341091974	2784.956522583217				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elv.	W.Ls	BREIEvLog.Krg.	BREIEvLog.Krg.	Sa.ThkDm	Sa.ThkBotH.
701	29	21421	90338.85867307335	110877.3170250766	39.10142791319968	-100.788913	32717.5992916349	4239072.982312845	2086.0982688991124	2705.4286764900257	2639.6726173911525	2639.6542189809524	56.75600990887327	65.744659907335
702	29	21422	91178.85867307335	110877.3170250766	39.10142169530053	-100.476369	32732.6814371793264	4239069.021833047	2034.610865715284	2704.1532463090284	2638.4456261227905	2638.3535762376495	65.740116237877	65.81745093
703	29	21423	90338.85867307335	110877.3170250766	39.101451528675025	-100.740417	32739.6492299904	4239065.061514101	2082.8002954243887	2703.878785	2637.6650450281115	2637.64319848389	65.719807226969	65.819807226969
704	29	21424	90308.85867307335	110877.3170250766	39.10140912503072	-100.471716	32720.674	4239061.3413604985	2002.8002954243887	2701.6021673132786	2638.102236119911	2637.44383692001	63.49934038339779	63.178313127754
705	29	21425	90368.85867307335	110877.3170250766	39.10140277500008	-100.469392	32794.169685441	4239057.141803282	2082.3892795779923	2700.325791576735	2638.5920869719126	2638.1378879256041	61.73370459840803	62.15190360309136
706	29	21426	94358.85867307335	110877.3170250766	39.1013637505665	-100.470672	32734.72132957056	4239051.31351852	2081.977299718424	2699.048215145165	2638.890030573533	2638.457117596132	60.14861379662352	60.02776237343021
707	29	21427	90618.85867307335	110877.3170250766	39.1013998272728	-100.464724	32733.74760476366	4239049.22	2880.8801325319733	2697.78759709037	2638.92784184604	2638.347093122663	59.3946478623317	59.3946478623317
708	29	21428	90678.85867307335	110877.3170250766	39.10138344548338	-100.4624176	32734.717894266	4239056.2624239	2799.80048437846	2696.48626032269	2639.04845984983	2637.313954203057	57.43941434	58.4448490232357
709	29	21429	90338.85867307335	110877.3170250766	39.10137991	-100.460028	32745.796954972	4239041.303170403	2695.1997207703837	2697.1245894677	2638.768217216074	2638.457117596132	54.78726179915999	54.78726179915999
710	29	21430	90698.85867307335	110877.3170250766	39.101373629003	-100.457758	32736.8201064878	4239043.34364661	2693.900555121077	2696.0528894612	2639.0528894612	2639.0528894612	57.2773372764515	58.7847905743444
711	29	21431	9658.85867307335	110877.3170250766	39.101363714336756	-100.4554431	32741.8478402933	4239033.34968104	2793.0737566033025	2692.610688237048	2635.163376124974	2633.343800707347	57.46692898770676	57.29721810031005
712	29	21432	98318.85867307335	110877.3170250766	39.10135704747974	-100.4531183	32743.8678635787	4239029.42617477	2790.003986932927	2704.30479274608	2632.20193736128	2631.277111547717	58.10244193847804	60.0276727889094
713	29	21433	98978.85867307335	110877.3170250766	39.10135033571898	-100.4507393	32745.8991576749	4239027.946749875	2788.9424813535024	2689.9858916511466	2630.659074416284	2629.120688725319	60.868712398252782	60.868712398252782
714	29	21434	90638.85867307335	110877.3170250766	39.101343790545	-100.448487	32745.910758495	4239021.50900415	2786.8949041713126	2688.664291466573	2628.4632022231547	2626.935224566757	61.20037925057615	61.7287739208634
715	29	21435	100298.85867307335	110877.3170250766	39.10133678	-100.4461439	32745.93851844584	4239017.505983484	2787.7269997314	2687.72313801058	2625.9964841950833	2624.79662574072	61.33008495979499	62.5776132998611
716	29	21436	100958.85867307335	110877.3170250766	39.1013299101117	-100.4438191	32752.19619377683	4239013.593	2685.978064611473	2623.733090902417	2622.6752161546074	2622.4409433929438	63.30338948539916	63.30338948539916
717	29	21437	101168.85867307335	110877.3170250766	39.10132303936565	-100.441493	32753.9851367712	4239009.63536049	2790.1789124904305	2684.026549804713	2621.806356413238	2620.582631411864	62.1841834951735	63.04379176655316
718	29	21438	10278.85867307335	110877.3170250766	39.1013163356649	-100.4391635	32753.9851367712	4239009.63536049	2791.901324904305	2683.253465179177	2620.0639923322105	2620.0639923322105	63.1894724696651	63.4338857422779
719	29	21439	102938.85867307335	110877.3170250766	39.10130912217365	-100.4368446	32756.750137442293	4239001.71905504	2792.354227796716	2681.87783919766	2616.56778885997	2617.517976685705	63.31005033766054	64.35986251
720	29	21440	103058.85867307335	110877.3170250766	39.1013026068722	-100.4345198	32759.05401348416	4238997.76156398	2791.573272796716	2680.49438225223	2617.399648526254	2616.373427255024	63.094659626547	64.1206907057974
721	29	21441	104258.85867307335	110877.3170250766	39.1012950250916	-100.432195	32761.087973297054	4238994.40238441	2790.702322784241	2679.1041298187416	2616.373079921919	2615.48744485427	63.07671628926581	63.61698496387271
722	29	21442	10458.85867307335	110877.3170250766	39.101287950351	-100.4298702	32763.9595330896	4238989.84079261	2789.903202786576	2677.91905471957	2615.96305	2615.175431507667	61.7224039	62.533774490287
723	29	21443	105238.85867307335	110877.3170250766	39.101281752168	-100.427221	32765.969061561	4238984.263096156	2789.903202786576	2677.91905471957	2615.96305	2615.175431507667	61.7224039	62.533774490287
724	29	21444	106238.85867307335	110877.3170250766	39.101273540507	-100.425206	32767.14176106383	4238981.93259119	2787.685376504414	2674.907648493873	2614.9433023694	2614.373013339585	59.9643524519358	60.5337515430212
725	29	21445	106828.85867307335	110877.3170250766	39.10126629210166	-100.422858	32769.16621664	4238978.97269119	2786.481014	2673.504186387046	2615.469439021786	2615.0178974035	58.9430428152958	58.48628960415969
726	29	21446	10758.85867307335	110877.3170250766	39.1012589959314	-100.420571	32771.63853965	4238974.2016371725	2785.2770271240382	2672.094964853906	2616.864750996254	2616.49233243649	57.32474586471021	55.607133601744
727	29	21447	10828.85867307335	110877.3170250766	39.10125166181645	-100.4182462	32773.642105503654	4238970.063774257	2670.6942969054	2618.455976795227	2618.146765	2618.146765	52.528790162185	52.528790162185
728	29	21448	108878.85867307335	110877.3170250766	39.1012447706668	-100.4159214	32775.63234350533	4238966.107611375	2782.266473635987	2669.283371306498	2619.9046075182496	2619.660327952286	49.3787912600194	49.62306333542119
729	29	21449	10938.85867307335	110877.3170250766	39.101236713616	-100.413585	32776.935208764	4238962.15164506	2667.86403767414	2669.283371306498	2619.9046075182496	2619.660327952286	49.3787912600194	49.62306333542119
730	29	21450	110198.85867307335	110877.3170250766	39.101227126194	-100.4112717	32778.27598140441	4238958.19591581	2782.053574055408	2667.86403767414	2669.283371306498	2619.9046075182496	49.3787912600194	49.62306333542119
731	29	21451	11058.85867307335	110877.3170250766	39.10122185	-100.408969	32781.68297396281	4238954.24	2777.93709621246	2665.001648102557	2619.428987873463	2619.3953102307555	45.9567125129139	45.60337871802225
732	29	21452	11158.85867307335	110877.3170250766	39.101214207896	-100.406221	32783.98138139528	4238950.28461912	2776.55029293435	2662.54921628567	2617.4628816	2617.4628816	46.09638620429675	46.190003913410825
733	29	21453	11218.85867307335	110877.3170250766	39.10120670739415	-100.404273	32785.701304145011	4238946.32827021	2776.682284373923	2662.54921628567	2617.4628816	2617.4628816	46.09638620429675	46.190003913410825
734	29	21454	11238.85867307335	110877.3170250766	39.1011996160038	-100.4019725	32787.7312613923	4238942.34	2776.05487845116	2660.6520311160816	2615.908228306048	2616.14273636027	45.170420989865	45.170420989865
735	29	21455	113498.85867307335	110877.3170250766	39.1011931363454	-100.3996477	32789.7236250499	4238938.941991545	2774.95975919802	2659.183846895036	2617.575494041	2617.575494041	45.637291699552	45.637291699552
736	29	21456	11418.85867307335	110877.3170250766	39.1011837192168	-100.3973229	32791.7340315458	4238934.46240124	2773.51107178002	2658.2904571957	2616.4711219248545	2616.4711219248545	45.170420989865	45.170420989865
737	29	21457	11458.85867307335	110877.3170250766	39.10117753210567	-100.3949891	32793.4214556517	4238930.59651081	2772.02283590833	2656.2402122579	2615.546305769506	2615.546305769506	45.637291699552	45.637291699552
738	29	21458	11518.85867307335	110877.3170250766	39.10116740826216	-100.3926733	32795.744467566	4238926.55111958	2770.55501746734	2654.758536831974	2612.794348537422	2616.189278702239	41.9641871457521	41.9641871457521
739	29	21459	116438.85867307335	110877.3170250766	39.101160086773446	-100.3903485	32797.654669677	4238922.60077474	2768.937370802658	2653.268321979843	2611.90277655047	2611.90277655047	37.56621528124564	37.56621528124564
740	29	21460	116798.85867307335	110877.3170250766	39.10115214647728	-100.3880237	32799.8748595041	4238918.64603482	2767.28848	2651.72175507405	2611.90277655047	2611.90277655047	37.56621528124564	37.56621528124564
1	30	21461	-370941.1413	111537.3170250766	39.09657584957475	-102.1606305	32798.32188494981	4238917.873732441	2768.28795438867	2653.9091575919453	2611.90277655047	2611.90277655047	37.56621528124564	37.56621528124564
2	30	21462	-370281.1413	111537.3170250766	39.096601063124816	-102.1606305	32798.32188494981	4238917.873732441	2768.28795438867	2653.9091575919453	2611.90277655047	2611.90277655047	37.56621528124564	37.56621528124564
3	30	21463	-369691.1413	111537.3170250766	39.09661063124816	-102.1606305	32798.32188494981	4238917.873732441	2768.28795438867	2653.9091575919453	2611.90277655047	2611.90277655047	37.56621528124564	37.56621528124564
4	30	21464	-368961.1413	111537.3170250766	39.09661536	-102.1606305	32798.32188494981	4238917.873732441	2768.28795438867	2653.9091575919453	2611.90277655047	2611.90277655047	37.5662152	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BRElevBothKgf.	BRElevBothKgf.	SatHtBothKgf.	SatHtBothKgf.	
77	30	21547	-314181.1413	11.51537	3170250766	30.9858012810066	-101.9061219	248681.10869512056	3437137.700987466	3480.499215655313	3755.333711408098	3722.3507310183704	3720.290081487375	3228.9828039	25.023999292723106
88	30	21548	-315231.1413	11.51537	3170250766	30.98601480730444	-101.9037973	248862.246035471	3437133.636625185	3838.534063531316	3750.00140685268	3720.9560958440373	3721.6418219433131	32.09627917225286	25.360298462287257
89	30	21549	-312861.1413	11.51537	3170250766	30.98622463636566	-101.9014277	24893.34369118835	3437129.572440036	3786.5689911	3750.825978968763	3718.4742435789134	3726.20647838333	30.77865163873884	24.446396281340185
90	30	21550	-312021.1413	11.51537	3170250766	30.98640453130115	-101.8991481	249284.5236901714	3437135.504424635	3748.2666932014	3718.2666932014	3718.131172	3725.600169	35.1945731186411	22.6865011896433
91	30	21551	-311541.1413	11.51537	3170250766	30.9865626924202	-101.8968235	249485.6610775225	3437124.444579275	3831.37668220373	3745.903710061767	3718.5844374918656	3724.4912013900266	27.319272569901386	21.214886871740398
92	30	21552	-310881.1413	11.51537	3170250766	30.98666424268485	-101.8944899	249668.8001030547	3437117.381	3826.8876814280684	3743.504234576283	3718.023813287067	3725.48385246921626	20.11446536371716	22.48299381340185
93	30	21553	-310221.1413	11.51537	3170250766	30.9867703404513	-101.8921743	249887.93798736495	3437131.37402732	3822.3986868526564	3741.0883870743984	3717.319558781766	3727.571783697284	23.75643129632442	19.51050509650417
94	30	21554	-309621.1413	11.51537	3170250766	30.98672865	-101.8894898	250089.0765236697	3437109.254071322	3807.49096779671	3738.6655745715004	3720.4708233631197	3720.196783331197	18.2489938	22.48299381340185
95	30	21555	-308981.1413	11.51537	3170250766	30.986749692264	-101.8875252	250296.21327275652	3437105.198911146	3738.64543219789	3738.64543219789	3718.4742435789134	3726.20647838333	30.77865163873884	24.446396281340185
96	30	21556	-308241.1413	11.51537	3170250766	30.9867703404513	-101.8852006	250491.351423396	3437107.127221199	3823.67272209497	3733.45189873456	3719.37109746357	3719.37109592537	19.8287101507568	16.4259308980875
97	30	21557	-307581.1413	11.51537	3170250766	30.986791634605	-101.882876	250692.4807485179	3437169.05104471	3812.26159	3731.2722340188897	3712.164525963303	3714.94158788856	19.8107420593568	16.36301738004027
98	30	21558	-306921.1413	11.51537	3170250766	30.986812537726914	-101.8805514	250893.623695870	34371693.00247958	3810.899551	3726.7889985745902	3709.563226634076	3712.0251735232583	19.22546691028265	16.763814243831972
99	30	21559	-306261.1413	11.51537	3170250766	30.98683339649555	-101.8782268	251094.76006307096	34371688.93982648	3809.65523417951	3726.2962585695605	3706.162343454082	3708.33827991501	20.13391422	17.960430578053457
100	30	21560	-305601.1413	11.51537	3170250766	30.98685421036749	-101.8759022	251295.89625022298	34371684.87768415	3808.52862675537	3723.794858188637	3702.238769891367	3703.99794441264	21.55601757	17.96913601599954
101	30	21561	-304941.1413	11.51537	3170250766	30.9868749394267	-101.8735776	251497.03217575963	34371680.18545624	3807.402179357553	3721.2854871949484	3697.26989136279	3698.8125277017565	20.02248959670534	22.477060154792872
102	30	21562	-304281.1413	11.51537	3170250766	30.98689570342108	-101.8712513	251698.16791811885	34371676.75338395	3806.274292322537	3718.77047766848	3691.5578917365078	3692.83027542874	27.2148593214159	25.9402193
103	30	21563	-303621.1413	11.51537	3170250766	30.98691636202674	-101.8688284	251899.43032450878	34371678.991793346	3803.190712053437	3716.2532340539967	3684.9743462590377	3686.236412433248	31.278982404599303	20.0169120705505
104	30	21564	-302961.1413	11.51537	3170250766	30.98693701687405	-101.8666038	252104.889443133	34371662.63173968	3787.190534540435	3713.7422289517616	3677.899747422943	3679.1594666530473	35.8424804537723	34.5741673464876
105	30	21565	-302301.1413	11.51537	3170250766	30.9869576062752	-101.8642792	252301.57323819735	34371665.88672755	3793.1103625046232	3711.2131547495414	3670.533163863035	3671.777204004746	46.67999089	39.345734745065474
106	30	21566	-301641.1413	11.51537	3170250766	30.986978150766115	-101.8619546	252502.708	34371660.50477803	3788.07051123282	3708.683739993366	3663.080793710188	3664.2330173191795	45.6033002814844	44.45069028313091
107	30	21567	-300981.1413	11.51537	3170250766	30.98699105506092	-101.85963	252703.8424046215	34371656.44632801	3783.569152283467	3706.1436192788474	3656.1083635137734	3656.9501122019146	50.03325576493075	49.1935078
108	30	21568	-300321.1413	11.51537	3170250766	30.98901919959364	-101.8573504	252904.9659072079	34371652.86840848	3778.67017239027	3703.391731550101	3648.1307257466573	3648.9453040495939	54.41005755443399	53.64531910901686
109	30	21569	-299661.1413	11.51537	3170250766	30.98903674856764	-101.8549783	253102.8297459813	34371649.3253	3775.853971	3669.905201229968	3642.831728034847	3642.831728034847	50.4381402302344	54.8324617022064
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111	30	21571	-298341.1413	11.51537	3170250766	30.989080199765176	-101.8503135	253508.37727727828	34371640.203630583	3767.577653010252	3687.06996444575	3633.8701580719953	3634.05996971178	62.0065715242522	61.8113074624126
112	30	21572	-297681.1413	11.51537	3170250766	30.9891047487362	-101.8480069	253709.51093815404	34371636.143303129	3763.377969737946	3693.276411113839	3631.100119952036	3631.119524133017	62.17629116180295	62.1566890082619
113	30	21573	-297021.1413	11.51537	3170250766	30.98912070508489	-101.8456823	253910.6349051074	34371632.08302039	3759.07835137346	3690.67253949589	3629.35104164538	3629.097627603277	61.37146933005115	61.5749130241262
114	30	21574	-296361.1413	11.51537	3170250766	30.9891408039891	-101.8433577	254111.7766234249	34371628.02339182	3744.828611205894	3688.697892504215	3628.0715432187026	3627.9103406833353	59.8824603110777	60.14944316708625
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116	30	21576	-295041.1413	11.51537	3170250766	30.98918112	-101.8387085	254514.0147910678	34371619.90400406	3745.87138120854	3745.87138120854	3625.6171964358	3625.6171964358	59.1823944589035	59.5815394589035
117	30	21577	-294381.1413	11.51537	3170250766	30.98920117696705	-101.8363838	254715.17343778146	34371615.84496396	3741.616408509671	3740.1742933951036	3625.0376750378155	3623.644997264994	55.13681835728817	56.529976576604274
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119	30	21579	-293061.1413	11.51537	3170250766	30.98924411531887	-101.8317346	255117.4366959207	34371607.72641374	3733.251140155883	3624.882089189753	3621.415225320507	3619.781482	53.46768336924596	51.5014268317456
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125	30	21585	-289101.1413	11.51537	3170250766	30.9893599653687	-101.8177868	256324.2206571801	34371583.76937655	3719.675043592564	3616.8757527588544	3609.715289478287	3600.59684311681	49.16198848102574	57.92045231771742
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127	30	21587	-287781.1413	11.51537	3170250766	30.98939932182437	-101.8131376	256736.4804543417	34371575.20115410	3715.760324537337	3653.4971964915962	3606.959254612001	3599.4596717636585	48.61894811196411	61.896267872793966
128	30	21588	-287121.1413	11.51537	3170250766	30.989417570372996	-101.8108129	256927.6037804889	34371571.202404058	3696.891209516535	3650.769995264037	3604.294572438137	3587.1653727128905	45.0554020222627	63.6337271381301
129	30	21589	-286461.1413	11.51537	3170250766	30.9894368105081593	-101.8084783	257129.98910870575	34371567.08434684778	3694.854298319484	3648.909928194832	3602.4642464778	3602.4642464778	45.0382089289626	45.0382089289626
130	30	21590	-285801.1413	11.51537	3170250766	30.989									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevBothKgr.f	SatThkLogs.f	SatThkBoth.f	
213	21673	-232012.1413		8115137.3170250766	39.10091698917311	-101.6132149	274022.7442602374	3341226.938300957	3476.528178706693	3395.2168923006075	3426.4203114998904	3428.7292572707085	0	0	
214	21674	-230361.1413		8115137.3170250766	39.10093268	-101.6108007	274223.853463025	3341222.895	3477.9243657404336	3391.968258534762	3420.5838540359914	3423.07192786422	0	0	
215	21675	-227071.1413		8115137.3170250766	39.10094633596949	-101.6086854	274424.9638097564	334119.853052862	3488.723043899031	3341.748071535932	3417.778002130318	3417.778002130318	0	0	
216	21676	-229041.1413		8115137.3170250766	39.100963940770146	-101.6062007	274626.0717486497	3341214.810313654	3493.069682651337	3395.47865816319	3400.420360578395	3412.925258	0	0	
217	21677	-228381.1413		8115137.3170250766	39.10097950141711	-101.6039159	274827.18046659198	33413120.7691988	3502.7071173614204	3382.2385710617273	3404.5496426714465	3408.481326354664	0	0	
218	21678	-227271.1413		8115137.3170250766	39.100995017226346	-101.6051912	275028.2886607683	3341206.725840696	3512.332654546693	3379.00225469188	3400.219626712558	3400.219626712558	0	0	
219	21679	-227061.1413		8115137.3170250766	39.101001488134804	-101.5992665	275259.3972334014	3341202.6838597655	3514.511074559662	3375.702025373383	3396.1024999246874	3400.547818806198	0	0	
220	21680	-226401.1413		8115137.3170250766	39.10102591414249	-101.5968417	275430.5053	3341198.642049198	3508.236403652821	3372.54256759666	3392.316607444779	3392.316607444779	0	0	
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222	21682	-225081.1413		8115137.3170250766	39.10105651455315	-101.5922223	275832.72072005586	3341190.55893098	3498.607161832113	3366.106516783579	3384.723229730582	3390.492715831063	0	0	
223	21683	-224421.1413		8115137.3170250766	39.10117922760426	-101.5896765	276033.828105576	3341186.517639557	3497.8062787040853	3362.899390104477	3381.908257425563	3387.32537372619	0	0	
224	21684	-223761.1413		8115137.3170250766	39.101087169164614	-101.5874628	276234.93375052023	3341182.476510344	3501.3193833406376	3359.700767385146	3377.76387725438	3385.9408021927433	0	0	
225	21685	-223101.1413		8115137.3170250766	39.101102370667874	-101.585318	276436.0422141426	3341178.435551453	3504.832487977191	3356.5115881947095	3375.45548899124	3384.4907458220046	0	0	
226	21686	-222441.1413		8115137.3170250766	39.10111727277017	-101.5829393	276637.148937004	3341174.394762876	3508.3455926137435	3353.3404244004046	3373.48131146936367	3382.710082548455	0	0	
227	21687	-221781.1413		8115137.3170250766	39.101132638971464	-101.5806686	276838.255439282	3341170.354144608	3511.353757614161	3350.1691026711857	3371.8480609852397	3380.882304318317	0	0	
228	21688	-221121.1413		8115137.3170250766	39.101147705771716	-101.5783438	277039.361721186	3341168.313696336	3514.396862978443	3347.017650325053	3371.391659711115	3370.93030564228	0	0	
229	21689	-220461.1413		8115137.3170250766	39.10116272767083	-101.5760191	277240.467292535	3341162.27341898	3517.2602038427246	3343.8805616786303	3370.628910363843	3378.76321429973	0	0	
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231	21691	-219141.1413		8115137.3170250766	39.10119263676607	-101.5713696	277642.6726471667	3341154.193	3521.3346837650747	3373.6513731880736	3370.120794501815	3377.2205434587972	0	0	
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234	21694	-217161.1413		8115137.3170250766	39.10123713650017	-101.5643953	278245.9947952585	3341142.074584698	3520.012508020641	3328.4087906704832	3371.919352125444	3370.458977509327	0	0	
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238	21698	-214521.1413		8115137.3170250766	39.10129590421174	-101.5550963	279050.412644775	3341125.918581814	3493.083142059656	3316.2991357798414	3384.7994897021968	3388.328831	0	0	
239	21699	-213861.1413		8115137.3170250766	39.10131014709887	-101.5527716	279251.5163360901	3341121.88006659	3490.7433529173613	3313.321950235958	3390.026530530655	3392.067604971794	0	0	
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244	21704	-210561.1413		8115137.3170250766	39.10138268013585	-101.5411478	280257.0324280086	3341101.69683927	3494.9453838310554	3298.80070212335	3375.76427636168	3378.018207614034	0	0	
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250	21710	-206601.1413		8115137.3170250766	39.101467815368586	-101.5271992	281463.6446830576	3341077.469910362	3486.604253630568	3282.355629610415	3298.284952576965	3331.243698108347	0	0	
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252	21712	-205281.1413		8115137.3170250766	39.1014958360491	-101.5225497	281865.8470072496	3341069.394014308	3478.958617844105	3277.1641347456346	3304.4822174731424	3305.837099149066	0	0	
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255	21715	-203281.1413		8115137.3170250766	39.10153913696926	-101.5152688	282469.1734969673	3341060.13049697	3466.534468207793	3270.4281059595001	3272.9251051720177	3272.9251051720177	0	0	
256	21716	-202641.1413		8115137.3170250766	39.1015513462566	-101.5132056	282680.24079420384	3341053.2653455	3460.0081795819324	3267.3153555228	3246.05820593764	3245.05576233243	20.86611969591493	22.5944732720240496	10.194437250724445
257	21717	-201981.1413		8115137.3170250766	39.10156511091537	-101.5109259	282871.349054338	3341049.214751091	3456.16680870429	3264.970155945526	3245.794078048715	3244.64159775119	19.788375458411	20.5114717637433624	10.75087903435466
258	21718	-201321.1413		8115137.3170250766	39.10157883067207	-101.5086011	283072.4488202418	3341045.17948721	3452.3254325921657	3262.678200865916	3252.6959377906596	3251.9273218522367	19.838203095932012	10.75087903435466	10.75087903435466
259	21719	-200661.1413		8115137.3170250766	39.10159255052688	-101.5062763	283273.5483721174	3341041.144	3448.906127058472	3260.43824866196	3258.9820610872116	3259.05286566073	1.4487637789843575	13.77961305420314	10.75087903435466
260	21720	-200001.1413		8115137.3170250766	39.10160613547963	-101.503815	283474.647701695	3341037.109324188	3446.239086277014	3258.330806277014	3254.9329773918532	3254.9329773918532	0	0	
261	21721	-199341.1413		8115137.3170250766	39.101619170538834	-101.5016288	283675.7468349042	3341033.741402011	3444.911652648662	3256.071947645434	3252.925105172017				

ix	iy	x	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRtElevKgr.f	BRtElevBothKgr.f	SatThkLog.f	SatThkBoth.f
339	30	21799	-147861.1413	1115137.3170250766	39.10254100975273	-01.320292	299360.837972099	4330718.880825356	3376.5205978176045	3182.581531239382	3192.7636456308924	3249.28872848393	0
340	30	21800	-147801.1413	1115137.3170250766	39.102551047478585	-01.3179627	2991591.9203	4330714.85044156	3375.5881369715382	3182.121096369324	3193.5386211393043	3246.8609677382	0
341	30	21801	-146891.1413	1115137.3170250766	39.10256104030766	-01.3156182	2997023.2896296	4330710.83152412	3381.5886992114455	3181.5886992114455	3192.543892441474	3245.12986683486	0
342	30	21802	-145801.1413	1115137.3170250766	39.10257098821923	-01.3131375	299964.058423076	4330706.817070122	3377.723215175566	3181.18777984736	3192.028953780822	3245.61539024752	0
343	30	21803	-145221.1413	1115137.3170250766	39.10258088123395	-01.3109927	300165.1677964863	4330702.796157267	3366.0204595236657	3180.701456786436	3191.8198663088124	3243.778823132813	0
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ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BR.ElevLogs.Kg.f	BR.ElevBoth.Kg.f	Sat.HtLogs.f	Sat.HtBoth.f
465	30	21925	-6470.14133	111537.3170250766	39.103452141372806	-01.027259	348625.795738723	43203.3153868233	3180.999196988887	3034.7879002969894	2979.314678216693	2978.6162230147097	56.17176728227969
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497	30	21957	-4358.14133	111537.3170250766	39.10357001994385	-00.9529624	331129.626053089	43300.855903372	3110.43039452472	2985.66739605286	2915.630882588073	2915.630882588073	71.1780246458329
498	30	21958	-4292.14133	111537.3170250766	39.103573296270785	-00.9506375	331330.6749021821	43300.8159252525	3104.946870427623	2983.116096959989	2912.5298195980254	2912.5298195980254	71.871947717453
499	30	21959	-4226.14133	111537.3170250766	39.10357798059611	-00.9483126	331531.729005205	43300.7760382968	3100.740579122914	2982.7023184	2911.564878174858	2911.564878174858	71.2395825466777
500	30	21960	-4160.14133	111537.3170250766	39.103581751548075	-00.9458977	331732.7624280497	43300.7369247878	3096.70045022958	2980.73024042958	2910.624115705312	2910.624115705312	70.60408381278
501	30	21961	-4094.14133	111537.3170250766	39.103585121565786	-00.9436268	331933.87831559015	43300.6915304972	3092.710542990207	2979.763424588033	2909.763375928155	2909.763375928155	70.1599222199884
502	30	21962	-4028.14133	111537.3170250766	39.1035882470555	-00.9413379	332134.8904247737	43300.650621256	3088.713855326095	2978.303641818443	2908.234657295232	2908.8323193824376	69.089482891964
503	30	21963	-3962.14133	111537.3170250766	39.1035913	-00.939013	332335.343694867	43300.616207595	3085.5155373254563	2977.8064815274633	2907.8046127295403	2907.8046127295403	69.51142375
504	30	21964	-3896.14133	111537.3170250766	39.10359676274441	-00.9366881	332536.96150123645	43300.5763322294	3083.18662527311	2975.40772271416083	2906.412867295985	2906.412867295985	69.44422347108184
505	30	21965	-3830.14133	111537.3170250766	39.10359932469887	-00.9343632	332738.05026732094	43300.5339759204	3080.834923933916	2973.97032572546498	2905.6339205773303	2905.6339205773303	70.0383173421628
506	30	21966	-3764.14133	111537.3170250766	39.10359988213885	-00.9320383	332939.1022090314	43300.464635935	3078.48189596167	2972.5410195875314	2904.9713780413065	2904.9713780413065	71.1337036882554
507	30	21967	-3698.14133	111537.3170250766	39.10360274283082	-00.9297385	333147.1776589188	43300.421981188	3076.59471188198	2970.820421884673	2903.99147488119327	2903.99147488119327	71.2395825466777
508	30	21968	-3632.14133	111537.3170250766	39.10360592577315	-00.9273805	333341.209838347	43300.416602113	3074.80778883015	2969.8078883015	2903.99147488119327	2903.99147488119327	71.2395825466777
509	30	21969	-3566.14133	111537.3170250766	39.1036073693401	-00.9250636	333542.2611026923	43300.37671638	3072.69072380446	2968.305794595816	2903.73473386802	2903.73473386802	71.2395825466777
510	30	21970	-3500.14133	111537.3170250766	39.10360747323631	-00.9227387	333743.314043173	43300.336744076	3068.464930105943	2967.16430105943	2903.73473386802	2903.73473386802	71.2395825466777
511	30	21971	-3434.14133	111537.3170250766	39.10360713226806	-00.9204138	333944.3564343635	43300.2981882249	3066.59897056374	2965.93881585787	2903.73473386802	2903.73473386802	71.2395825466777
512	30	21972	-3368.14133	111537.3170250766	39.1036094436116	-00.9180889	334145.417520334	43300.2589491825	3063.83962593797	2964.1738137648634	2903.73473386802	2903.73473386802	71.2395825466777
513	30	21973	-3302.14133	111537.3170250766	39.103611671548075	-00.915794	334356.4692351373	43300.21897848					

ix	iy	ci	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevBoth.f	SatThKLog.s	SatThKBoth.f
591	2001	18458.8586730335	1151537.170250766	39.10360353683868	-100.7344216	350028.0285840376	4329710.821107225	2978.4392184794324	2862.6954493824483	2865.3742687522517	2866.1691466175917	0	0	
592	2002	1911.8586730335	1151537.170250766	39.10364907846237	-100.7220697	350229.0655065622	432976.842137146	2975.8909251716614	2861.4186274594471	2864.9587363364548	2869.6595329170706	0	0	
593	2003	17738.8586730335	1151537.170250766	39.1036473699243	-100.7279718	350430.1071772094	432972.943847478	2973.383857	2861.14147185032	2872.0651622208438	2872.76166409548	0	0	
594	2004	20438.8586730335	1151537.170250766	39.1036433699243	-100.7274499	350631.147032411	432968.846920979	2970.81863556111	2858.9606823480914	2876.1325234407177	2876.5571971083756	0	0	
595	2005	21098.8586730335	1151537.170250766	39.1036443789882	-100.7251222	350832.186033658	432969.49062313335	2968.43550567449	2857.5746318466913	2881.8410472729493	2882.262885795803	0	0	
596	2006	21758.8586730335	1151537.170250766	39.10364315899445	-100.7227971	351033.2254	432968.945797737	2963.984961483153	2854.9612603089402	2889.050058	2900.07626869362	0	0	
597	2007	22078.8586730335	1151537.170250766	39.103642012994406	-100.7204722	351234.264	432968.945797737	2963.984961483153	2854.9612603089402	2889.050058	2900.07626869362	0	0	
598	2008	23078.8586730335	1151537.170250766	39.1036404518338	-100.7181734	351435.4030963283	432966.971831996	2961.7725946487	2853.62384315144	2904.444017847791	2905.73966866888	0	0	
599	2009	23788.8586730335	1151537.170250766	39.1036387246701	-100.7158224	351636.3417378616	432962.943847478	2959.17842528841	2852.280153	2900.239587201146	2901.133678020412	0	0	
600	2010	24398.8586730335	1151537.170250766	39.10363722	-100.7134974	351837.380231088	432967.510425842	2956.22705474894	2849.560606244684	2899.21922341518	2899.057595084	0	0	
601	2061	25058.8586730335	1151537.170250766	39.1036355231665	-100.7111725	352038.4185882744	432967.03838981	2962.221866508468	2849.4318900588173	2898.303554523723	2899.45521368005	0	0	
602	2062	25718.8586730335	1151537.170250766	39.10363324882884	-100.7088476	352239.4567975621	432967.061424358	2960.3371	2847.9569428518153	2894.2608098273815	2895.158933264375	0	0	
603	2063	26263.8586730335	1151537.170250766	39.10363052543375	-100.7065227	352440.4946317654	432966.084513507	2960.4878722862738	2846.437562350094	2880.8581051565925	2881.722940231023	0	0	
604	2064	27038.8586730335	1151537.170250766	39.10363023529817	-100.7041978	352641.532785516	432966.10751796	2943.2062417109861	2844.861986526186	2889.320319	2870.0201483495	0	0	
605	2065	27698.8586730335	1151537.170250766	39.10362913747224	-100.7018729	352842.57066420157	432966.13075391	2938.433960554884	2843.278957196304	2889.4212585873894	2880.0898781289105	0	0	
606	2066	28358.8586730335	1151537.170250766	39.103626466090546	-100.699848	353043.002002025	432965.51130286	2935.661574005267	2841.582379673257	2881.38111534716	2882.03496237727	0	0	
607	2067	29018.8586730335	1151537.170250766	39.103624514128164	-100.6972231	353244.564692897	432964.177670471	2933.384869418114	2839.8476738114037	2884.436482345465	2885.113602191654	0	0	
608	2068	29678.8586730335	1151537.170250766	39.10362251726009	-100.6948982	353445.6830432997	432964.201377399	2932.630118254877	2838.1304397793338	2883.816930604781	2883.496838184124	0	0	
609	2069	30338.8586730335	1151537.170250766	39.10362047548629	-100.692573	353646.7202511657	432963.22525881	2931.812971618336	2836.3607489180592	2884.460282434247	2885.20339672541	1.5803538080512775	0	
610	2070	30998.8586730335	1151537.170250766	39.1036183880079	-100.6902484	353847.7573187626	432963.24029468	2931.04052497115934	2835.57146064151	2883.076953886154	2881.89927178301138	2.675918901338074	0	
611	2071	31658.8586730335	1151537.170250766	39.1036179257212624	-100.6879325	354048.794203727	432963.273039534	2930.759179521747	2832.7806607594284	2887.500411558928	2882.6283855774236	5.9419419355888	4.152275170506375	
612	2072	32318.8586730335	1151537.170250766	39.10361408073073	-100.6859586	354249.813	432962.27890485	2931.0389112571147	2830.96319584813	2883.449661227027	2824.397186174085	7.526057603705262	6.558934811527428	
613	2073	32978.8586730335	1151537.170250766	39.10361018935412	-100.6839718	354450.9676622447	432962.3024212	2930.759179521747	2829.187252538163	2882.617325383822	2881.15372636382	11.09370612	10.07154891849719	
614	2074	33638.8586730335	1151537.170250766	39.1036095930166	-100.6809488	354651.9041603974	432962.314713931	2930.759179521747	2827.38110195325	2882.487808555545	2883.3848414213107	14.809329340780084	14.013268774621793	
615	2075	34298.8586730335	1151537.170250766	39.10360782818232	-100.6786239	354852.9045184125	432962.337013937	2931.890410308607	2825.89169520823	2886.93602037112	2887.73908087865	18.645683957217383	0	
616	2076	34958.8586730335	1151537.170250766	39.10360493	-100.676299	355053.9767348723	432961.39022814	2932.296381037325	2823.855194065273	2891.540082137915	2882.306239579703	22.3511192735703	21.54890267569934	
617	2077	35618.8586730335	1151537.170250766	39.10360252460999	-100.6739741	355255.0128	432961.407522142	2932.70625889857	2822.10757222636	2986.290181878935	2976.944223	25.8173934370099	25.1635206811671	
618	2078	36278.8586730335	1151537.170250766	39.1036007716602	-100.6716492	355456.48745558	432963.47851248	2933.10873693816	2820.37886111185	2981.170090908573	2971.650074	29.20898971032819	28.72891341158667	
619	2079	36938.8586730335	1151537.170250766	39.1035978	-100.6693424	355657.1660461181	432963.50981953	2933.10873693816	2820.37886111185	2981.170090908573	2971.650074	32.44720124705282	30.941920583717	
620	2080	37598.8586730335	1151537.170250766	39.1035952193216	-100.666994	355858.4902194637	432963.539171438	2933.10873693816	2820.37886111185	2981.170090908573	2971.650074	35.4833959220156	34.977212392117644	
621	2081	38258.8586730335	1151537.170250766	39.10359247155714	-100.6646745	356059.1510933127	432963.570428197	2933.432724817698	2815.32230721698	2973.332179687371	2979.63471005217	35.99100326356279	35.68760166953068	
622	2082	38918.8586730335	1151537.170250766	39.1035894609534	-100.6623496	356260.1910783127	432963.55942928	2927.887411709585	2813.68314289224	2978.2717459436577	2981.45394755093	35.9131947455093	34.96813169858706	
623	2083	39578.8586730335	1151537.170250766	39.10358717555362	-100.6600247	356461.2263187757	432963.570428197	2925.987918	2812.0673825549097	2977.378548760355	2977.834875623504	34.6888379373574	34.2343909174034	
624	2084	40238.8586730335	1151537.170250766	39.10358460019743	-100.6576998	356621.614145569	432963.60370776	2925.7387047364214	2810.47369296173	2976.5181364673476	2976.6891654074996	33.785203285225	33.785203285225	
625	2085	40898.8586730335	1151537.170250766	39.1035817	-100.6553749	356863.2396709068	432963.62996971	2921.483491124072	2808.902594165477	2975.68762266023	2975.726768448407	33.7571189943097	33.7571189943097	
626	2086	41518.8586730335	1151537.170250766	39.1035788476276	-100.653074	357064.3311884919	432962.64212792	2921.483491124072	2808.902594165477	2975.68762266023	2975.726768448407	33.7571189943097	33.7571189943097	
627	2087	42128.8586730335	1151537.170250766	39.10357604686996	-100.6507251	357265.3659	432962.6783918085	2921.749695651947814	2805.8157904579814	2975.68762266023	2975.726768448407	33.7571189943097	33.7571189943097	
628	2088	42878.8586730335	1151537.170250766	39.10357351	-100.6484002	357466.4004745155	432963.701623178	2921.749695651947814	2805.8157904579814	2975.68762266023	2975.726768448407	33.7571189943097	33.7571189943097	
629	2089	43538.8586730335	1151537.170250766	39.10357021	-100.6460753	357667.4348092881	432963.738617618	2916.2857034040405	2802.785203480984	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
630	2090	44198.8586730335	1151537.170250766	39.10356722502449	-100.6437504	357868.49472904	432963.765245194	2915.553833344074	2801.28664467009	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
631	2091	44858.8586730335	1151537.170250766	39.10356419532623	-100.6414256	358069.032986437	432963.79277976	2915.553833344074	2801.28664467009	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
632	2092	45518.8586730335	1151537.170250766	39.10356112072441	-100.639107	358270.5372861814	432963.820517415	2908.96348632458	2798.31625050718	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
633	2093	46178.8586730335	1151537.170250766	39.10355814637978	-100.636791	358472.042511103	432963.84804274	2908.96348632458	2798.31625050718	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
634	2094	46838.8586730335	1151537.170250766	39.10355543677978	-100.6344509	358673.6045016124	432963.87394876	2907.7782717806176	2798.31625050718	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
635	2095	47498.8586730335	1151537.170250766	39.10355162747738	-100.632126	358873.634261291	432963.90366781	2908.96348632458	2798.31625050718	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
636	2096	48158.8586730335	1151537.170250766	39.10354873251124	-100.6298011	359074.6716651666	432963.934067596	2908.96348632458	2798.31625050718	2971.8962612229947	2971.69316180877	33.9922612229947	33.9922612229947	
637	2097	48818.8586730335	1151537.170250766	39.103545007	-100.6274672	359275.70576148005	432962.9614628	2888.2194727402114	2798.09282659005	2979.895726120688	2980.0808354013284	33.9922612229947	33.9922612229947	
638	2098	49478.8586730335	1151537.170250766	39.103541766022										

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BREIElev.Kg.ft	BREIElev.Both.Kg.ft	SatHtElev.Kg.ft	SatHtBoth.ft
717	30	12177	101618.85867307335	811537.3170250766	39.10313566023387	-104.4148454	75357.9446518472	4239210.786409191	2793.852365302118	2648.2952118311214	2619.7917678870793	2618.695856034922	65.5993576196923
718	30	12178	102278.85867307335	811537.3170250766	39.103128713775256	-104.439105	75558.9673652361	4239206.828464273	2795.7034701193998	2682.921585959285	2617.9860014033523	64.8348361385513	65.5993576196923
719	30	12179	102938.85867307335	811537.3170250766	39.1031213411962	-104.468357	75759.990494157	4239207.505028434	2796.15576592783	2681.5308352512485	2615.834826424626	65.0700713984028	65.00317443
720	30	12180	103658.85867307335	811537.3170250766	39.1031147061555	-104.4545108	75759.990494157	4239207.505028434	2796.2043401303735	2680.145567400471	2615.3318205081374	64.9413464296915	65.7320207078953
721	30	12181	104258.85867307335	811537.3170250766	39.10310763486671	-104.4321859	75761.03256557533	4239194.955627296	2794.2623273386528	2678.745721828582	2614.9209421140263	64.9170470813542	63.824779174555916
722	30	12182	104918.85867307335	811537.3170250766	39.103100518913045	-104.298611	75763.057990146	4239175.31620374135	2797.340251216077	2614.0089704335953	2613.31720817259	63.3712807281752	64.0230414
723	30	12183	105578.85867307335	811537.3170250766	39.1030976393468	-104.275362	75765.0408298796	4239187.041234045	2791.9512741392527	2675.8306048083742	2613.216177898422	64.71666290687904	63.3386041578131
724	30	12184	106238.85867307335	811537.3170250766	39.10308615205157	-104.2525113	75765.102487307	4239183.04248609	2790.071284609413	2674.519094136958	2612.4900330858994	64.21082594419847	62.437038694972386
725	30	12185	106998.85867307335	811537.3170250766	39.10307960186378	-104.228868	75766.124582174	4239179.127058434	2788.150674687483	2673.106716897453	2613.003525741852	64.97564757314852	60.10284456560114
726	30	12186	107558.85867307335	811537.3170250766	39.10307165571254	-104.205616	75767.1465102657	4239175.170891077	2786.3524045362413	2671.6526732160829	2615.40264238227	65.1994022393616	54.4532702923116
727	30	12187	108258.85867307335	811537.3170250766	39.10306426497412	-104.2182367	75768.163433965	4239171.214	2784.371070904103	2670.297197143476	2617.6664249045317	64.700348441338	52.882822700973
728	30	12188	108978.85867307335	811537.3170250766	39.10305687947233	-104.159119	75769.1900559143	4239167.25816028	2782.262841174123	2668.8618487014064	2619.64193029756	64.9190756824258	49.358048588158
729	30	12189	109538.85867307335	811537.3170250766	39.10304944906587	-104.13587	75770.1215571858	4239163.30204418	2780.154611444235	2667.4365285190765	2621.370089397676	64.06643912	46.02092631324285
730	30	12190	110198.85867307335	811537.3170250766	39.1030419173754785	-104.112621	75771.2313710524	4239159.34609311	2778.0463817142836	2666.03637879845	2621.9519979132206	64.072779853114	43.873096662441
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735	30	12195	113498.85867307335	811537.3170250766	39.1030032633604	-100.3996378	75789.3738777691	4239139.56883769	2773.7911525185196	2658.734353039104	2616.48256997968	64.76159232477085	42.2521653054389
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737	30	12197	114818.85867307335	811537.3170250766	39.10298839248765	-100.3949881	75793.78027138897	4239131.659989116	2770.438196989116	2770.438196989116	2655.781287	64.147852051298355	41.30243460211568
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1	31	22201	-370941.1413	812197.3170250766	39.083828519731	-102.106028	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
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6	31	22206	-367641.1413	812197.3170250766	39.08513917197884	-102.094403	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
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17	31	22217	-360381.1413	812197.3170250766	39.0878633493368	-102.0688705	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
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21	31	22221	-357741.1413	812197.3170250766	39.0888640910139	-102.0595723	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
22	31	22222	-357081.1413	812197.3170250766	39.0891036540715	-102.0572478	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
23	31	22223	-356421.1413	812197.3170250766	39.0893523681829	-102.0549322	75798.14150634436	4239123.40296234	2765.67167137452	2651.304339306714	2615.0999047374034	65.1508991066096	39.74564823706187
24	31	22224	-355761.1413	812197.3170250766	39.0895968333483	-102.052597	75798.14150634436	4239123.4029623					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
103	31	22303	-303621.1413	812197.3170250766	39.10072888742056	-101.8689549	251903.37068130596	433173.9553361	3805.65848196811395	3716.447250178915	3688.6744305355815	3689.789507261848	37.27038964333306	26.658012560759195
104	31	22304	-302961.1413	812197.3170250766	39.100749522272154	-101.8666302	252104.50557335402	4331869.89347513	3503.597517540737	3581.25247254233	3680.8159247144417	3681.53414894071703	33.1127205988137	31.99082323549255
105	31	22305	-302301.1413	812197.3170250766	39.10072013213676	-101.8643056	252305.6401984632	4331865.831784772	3785.431366270068	3711.40013151818	3673.2570096957204	3673.830943609782	38.830943609782	37.719664609782
106	31	22306	-301641.1413	812197.3170250766	39.10073065714627	-101.8619009	252506.7480209144	4331870.7206387	3789.735460099043	3708.96589304564	3664.176219	3665.3541804015465	44.68964379465515	43.511546608995
107	31	22307	-300981.1413	812197.3170250766	39.10081116	-101.8596562	252707.90907608052	4331857.708919352	3784.895753503274	3706.320860080087	3656.209256805783	3656.917460138895	50.11603275028756	49.403399442001955
108	31	22308	-300321.1413	812197.3170250766	39.10083161247296	-101.8573316	252909.0430008012	4331853.64734358	3780.74287300081	3703.764287340035	3648.2859640125947	3648.895506125947	55.53143418604759	54.8687819048639
109	31	22309	-299661.1413	812197.3170250766	39.100852022789034	-101.8550069	253110.1768543732	4331849.586739297	3776.152111807258	3701.1966864551794	3641.637348768827	3641.637348768827	60.1507229120223	59.59537768692838
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111	31	22311	-298341.1413	812197.3170250766	39.10089270872945	-101.8503576	253512.4436536364	4331841.465024553	3765.431366270068	3711.40013151818	3673.2570096957204	3673.830943609782	64.81740213295851	64.75846963082857
112	31	22312	-297681.1413	812197.3170250766	39.10091294347714	-101.8480329	253713.5766898396	4331837.404754156	3763.142576781553	3693.43171935315	3628.7314313867452	3628.71164917052	64.70028798456997	64.7200939223235
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114	31	22314	-296361.1413	812197.3170250766	39.10095340089522	-101.8433836	254115.8420221362	4331829.284287278	3755.107121155543	3688.20801935006	3626.734745487157	3626.6525491547936	61.473274447849235	61.555407780212545
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121	31	22321	-291741.1413	812197.3170250766	39.1010934451921	-101.8271108	255523.763146658	4331796.860846578	3731.003140729573	3667.701932044356	3617.343035	3614.0718487116596	52.36415862127569	55.635344728012545
122	31	22322	-291081.1413	812197.3170250766	39.10111321715536	-101.8247861	255724.8937388733	4331790.86826048	3729.160947202074	3667.04365404731	3615.454194	3611.4724664962016	51.5894604692016	55.5709670788507
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126	31	22326	-288441.1413	812197.3170250766	39.10119218271238	-101.8154874	256529.4317358779	4331780.57570737	3716.78689626232	3656.333735	3606.259218711057	3606.259218711057	48.8007415895434	49.69501017721246
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132	31	22332	-284481.1413	812197.3170250766	39.10131096808122	-101.8015392	257738.20909621	4331756.23090921	3672.1181878706	3640.18118055616	3598.12143913132	3598.12143913132	43.8007415895434	43.8007415895434
133	31	22333	-283821.1413	812197.3170250766	39.10132840082943	-101.7992145	257937.31445816968	4331752.174015237	3674.000582121027	3637.396858019559	3593.94561029926	3585.5315547641514	43.8007415895434	43.8007415895434
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137	31	22337	-281181.1413	812197.3170250766	39.10140528280776	-101.7899157	258741.6238800025	4331735.948149253	3670.661617635914	3626.438986884579	3584.0620717429174	3578.0658976884579	42.00047378201539	42.00047378201539
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139	31	22339	-279861.1413	812197.3170250766	39.10144354359516	-101.7852653	259144.0772	4331730.62340995	3667.3487619186824	3620.916961401878	3579.58334733494	3571.4554618022987	41.5724905296242	41.5724905296242
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141	31	22341	-278541.1413	812197.3170250766	39.1014814644376	-101.7806169	259546.3294830717	4331719.752021431	3668.945071226924	3615.35998376774	3574.384816	3566.42269875486	40.9751673	40.9751673
142	31	22342	-277881.1413	812197.3170250766	39.10150037509588	-101.7782922	259747.45528728425	4331715.67	3669.742736224098	3612.568471199619	3570.644387528458	3563.77275998363	41.9240836710237	41.9240836710237
143	31	22343	-277221.1413	812197.3170250766	39.10151925885395	-101.7759675	259948.5800548833	4331711.61484188	3669.955164262393	3609.7996979035048	3567.809303	3561.162565678512	41.9240836710237	41.9240836710237
144	31	22344	-276561.1413	812197.3170250766	39.10153809770958	-101.7736428	260148.7061841266	4331707.559472122	3668.581535486744	3606.964129	3565.737896194466	3558.29793040247	41.22613288993636	41.22613288993636
145	31	22345	-275901.1413	812197.3170250766	39.101557306916625	-101.771381	260359.9265794945	4331703.1794405	3667.138949620556	3604.088405217954	3557.8896869780175	3557.8896869780175	40.850188433114	40.850188433114
146	31	22346	-275241.1413	812197.3170250766	39.10157640723869	-101.7691933	260551.965115322	4331699.44991615	3666.83425587969	3601.3348344746	3559.1792312665198	3552.157333454949	41.22613288993636	41.22613288993636
147	31	22347	-274581.1413	812197.3170250766	39.101595434									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.	BRrElevKgr.f	BRrElevKgr.ft	SatThkLogs.f	SatThkBoth.ft
229	21	22429	-220461.1413	812197.3170250766	39.10297528930847	-101.5760383	277444.5128040685	4331363.508050152	3520.74706719425	3344.873828393806	3370.658866873577	3378.6996146678257	0	0
230	21	22430	-219801.1413	812197.3170250766	39.10296026658545	-101.5737138	277445.6184696121	4331359.467725771	3522.233087514215	3341.762403605978	3370.030216069378	3377.6872988403675	0	0
231	21	22431	-219141.1413	812197.3170250766	39.10305199160194	-101.5713877	277466.7239149846	4331355.427371964	3522.40586935377	3338.648974017687	3370.098320178854	3377.098320178854	0	0
232	21	22432	-218481.1413	812197.3170250766	39.1030006673266	-101.5690639	277447.8214056844	4331367.5858424	3521.265207092407	3335.579924689214	3369.1294156697786	3376.62944232945	0	0
233	21	22433	-217821.1413	812197.3170250766	39.103034987	-101.5667391	278048.934146291	4331347.347775442	3520.124636280436	3332.507762384165	3370.07328164965	3376.872022597794	0	0
234	21	22434	-217161.1413	812197.3170250766	39.10304977217065	-101.5644143	278250.03830415263	4331343.308132914	3518.984051767965	3329.449320634633	3371.5622475093396	3377.5854851117647	0	0
235	21	22435	-216501.1413	812197.3170250766	39.10306448003611	-101.5620895	278451.14350244176	4331339.268660629	3515.89466546467	3326.404235927794	3373.3513780714075	3378.9646064897633	0	0
236	21	22436	-215841.1413	812197.3170250766	39.10307918799919	-101.5597467	278652.24785200367	4331335.229395813	3504.867880610479	3323.375234517317	3375.377797965959	3380.731374544041	0	0
237	21	22437	-215181.1413	812197.3170250766	39.10308456186987	-101.5574789	278858.35199330864	4331331.1902277687	3498.834674676312	3320.364371758787	3374.267475682938	3382.8057205486	0	0
238	21	22438	-214521.1413	812197.3170250766	39.10310849621808	-101.5551515	279054.45589575905	4331327.152716713	3486.806708742145	3317.3741421259283	3382.54623714109	3385.32513672038	0	0
239	21	22439	-213861.1413	812197.3170250766	39.10312304247386	-101.5527902	279255.556903627	4331323.114747679	3483.814024965757	3314.405633812614	3385.5783279642682	3387.847504602686	0	0
240	21	22440	-213201.1413	812197.3170250766	39.103137570827144	-101.5504564	279456.630670554	4331319.0738568315	3486.8594759396037	3311.459325569744	3386.693241410023	3387.1570729916257	0	0
241	21	22441	-212541.1413	812197.3170250766	39.10315205427787	-101.5481406	279657.76632604474	4331315.035407263	3489.904489382632	3308.5362097914126	3384.529022300197	3385.66250516737	0	0
242	21	22442	-211881.1413	812197.3170250766	39.10316648262607	-101.5458158	279858.8696375131	4331310.997	3492.950222825691	3305.637504051131	3380.732594858186	3387.75746875877	0	0
243	21	22443	-211221.1413	812197.3170250766	39.10318089	-101.543481	280059.69179172545	4331306.959018303	3495.369945026523	3302.764537100448	3379.433772349726	3377.51570281083	0	0
244	21	22444	-210561.1413	812197.3170250766	39.1031952521471	-101.541662	280251.074798265	4331302.92108097	3498.164016522526	3299.918624071325	3371.7410415178476	3372.868197	0	0
245	21	22445	-209901.1413	812197.3170250766	39.10320954	-101.5388414	280462.177289085	4331296.8310856	3483.95687839426	3297.1010317623595	3366.53344055817	3367.739188836039	0	0
246	21	22446	-209241.1413	812197.3170250766	39.10322379799895	-101.5365165	280663.2794625076	4331294.845713184	3479.7521591562363	3294.312665337497	3360.575243651107	3361.8824845699575	0	0
247	21	22447	-208581.1413	812197.3170250766	39.10323801203481	-101.5341917	280864.38141659636	4331290.808285871	3478.2349222496372	3291.5546033899204	3353.479738409359	3354.598911603412	0	0
248	21	22448	-207921.1413	812197.3170250766	39.103252118116723	-101.5318669	281065.4831603307	4331286.717102809	3479.4063771190595	3288.82086880283	3345.004262651462	3346.780651477729	0	0
249	21	22449	-207261.1413	812197.3170250766	39.1032663596978	-101.529421	281266.5846851006	4331282.73324287	3480.57318898812	3286.1348757194564	3335.784277407408	3337.705480527624	0	0
250	21	22450	-206601.1413	812197.3170250766	39.1032803472359	-101.5272173	281467.568593551	4331278.67026001	3481.745286858103	3283.476521680578	3325.525009615322	3327.54742720067	0	0
251	21	22451	-205941.1413	812197.3170250766	39.10329414043874	-101.524892	281658.739471505	4331274.85604318995	3479.48585	3281.63601238108	3320.164572091576	3325.164572091576	0	0
252	21	22452	-205281.1413	812197.3170250766	39.10330840656881	-101.5225766	281869.879464937	4331270.62370408	3473.777875446944	3278.2740713407716	3303.047473017307	3304.492312603197	0	0
253	21	22453	-204621.1413	812197.3170250766	39.10332235328715	-101.5202428	282070.98827377	4331266.587299084	3468.073117882997	3275.734045025675	3290.514987627215	3291.715831453488	0	0
254	21	22454	-203961.1413	812197.3170250766	39.10333625300264	-101.517918	282272.0890748374	4331262.51064067	3462.3683593190503	3273.240103088508	3277.646147475743	3278.661964860508	0	0
255	21	22455	-203301.1413	812197.3170250766	39.10335010781523	-101.5155931	282473.1880714488	4331258.515	3457.713176844698	3270.7928216734285	3265.647163249148	3265.806590466967	1.545688424280555	4.932230826461364
256	21	22456	-202641.1413	812197.3170250766	39.103363917724884	-101.5136818	282674.2893254476	4331254.479	3454.107504595302	3268.3924608409015	3265.85923268442	3266.4678194756184	11.533221614057131	11.92444136528315
257	21	22457	-201981.1413	812197.3170250766	39.10337768273159	-101.5119436	282875.3981289716	4331250.4380776	3450.511940775567	3266.038146796506	3264.397193366716	3263.88480510873	11.548082194154571	12.207398445222002
258	21	22458	-201321.1413	812197.3170250766	39.1033914025353	-101.5096187	283078.488718201	4331246.407829098	3446.8357694041	3263.77843360323	3262.70744233774	3256.6303623139	6.626004016751527	7.12593308
259	21	22459	-200661.1413	812197.3170250766	39.1034078063608	-101.5062398	283277.5889359174	4331242.37443311	3444.7524278971236	3261.4667068239686	3260.878674065887	3261.164553092996	0.568683280698734	0.3021538309726566
260	21	22460	-200001.1413	812197.3170250766	39.10341870833784	-101.503969	283478.6755205755	4331238.3229973	3444.0693468933255	3259.249631378154	3265.174785	3265.174785	0.3293406406203	0
261	21	22461	-199341.1413	812197.3170250766	39.1034323937284	-101.5016442	283679.7862029486	4331234.302186892	3443.387021493546	3257.078205482468	3269.07213604579	3269.5902256100144	0	0
262	21	22462	-198681.1413	812197.3170250766	39.10344583422003	-101.4993193	283880.88493741606	4331230.267314055	3442.70404628917564	3254.9521657197833	3272.460424351478	3272.460424351478	0	0
263	21	22463	-198021.1413	812197.3170250766	39.10345928980852	-101.4969485	284081.9834859808	4331226.326811481	3439.8094887647322	3252.871254138689	3275.2339076475966	3275.043943040248	0	0
264	21	22464	-197361.1413	812197.3170250766	39.10347273043874	-101.4946467	284283.0817659454	4331222.19807906	3434.702262911388	3250.63405749319	3277.6256213372	3277.6256213372	0	0
265	21	22465	-196701.1413	812197.3170250766	39.10348618627607	-101.4923448	284484.179862421	4331218.163716955	3428.8426378084423	3248.8763360323	3278.0268687747086	3278.0268687747086	0	0
266	21	22466	-196041.1413	812197.3170250766	39.10349955	-101.49002	284685.277745308	4331214.129520535	3424.4878112054453	3246.894205108533	3271.829900683179	3261.935959091293	0	0
267	21	22467	-195381.1413	812197.3170250766	39.10351286313093	-101.4876952	284886.375158147	4331210.09550324	3417.592494855288	3244.9891374973495	3283.680363310667	3283.269530324776	0	0
268	21	22468	-194721.1413	812197.3170250766	39.10352613420351	-101.4853703	285087.47287414025	4331206.061651814	3408.90908	3243.127108054255	3285.26171778348	3284.9313000404877	0	0
269	21	22469	-194061.1413	812197.3170250766	39.1035399637286	-101.4830455	285288.75012049167	4331202.027790501	3400.2258611606107	3241.306718054255	3286.5014112173503	3286.68772595131	0	0
270	21	22470	-193401.1413	812197.3170250766	39.10355241613891	-101.4807206	285489.6671550737	4331197.59449375	3391.54227341372	3239.544887623477	3286.597360232477	3286.597360232477	0	0
271	21	22471	-192741.1413	812197.3170250766	39.10356453207058	-101.4784684	285694.360016984	4331193.18148471	3380.9278118272889	3238.149932536048	3280.3387704687967	3280.3387704687967	0	0
272	21	22472	-192081.1413	812197.3170250766	39.10357877	-101.476071	285891.8605897512	4331189.973747655	3380.028392499953	3236.0753056852	3278.4953206674116	3271.168292	0	0
273	21	22473	-191421.1413	812197.3170250766	39.10359182	-101.473461	286092.96969025434	4331185.895	3376.871016156924	3234.4050797124546	3272.594719452162	3261.868788118421	0	0
274	21	22474	-190761.1413	812197.3170250766	39.103604817669904	-101.4714213	286294.05317980796	4331181.862116601	3372.739197510523	3232.767201195672	3266.533457184147	3253.130637297717	0	0
275	21	22475	-190101.1413	812197.3170250766	39.10361777441919	-101.4690964	286495.491586148	4331177.829456302	3368.038033169348	3231.1614189556446	3260.90396141023	3261.90396141023	0	0
276	21	22476	-189441.1413	812197.3170250766	39.10363066265056	-101.4667716	286696.244628812	4331173.796966146	3362.768236471307	3229.587374134146	3265.1640563437404	3241.8260372052906	0	0
277	21	22477	-188781.1413	812197.3170250766	39.10364353207058	-101.4644468	286897.3404948129	4331169.764646129	3359.46986977474	3228.04410153220748	3264.68065530107	3262.86932470537</		

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.kg.f	BRIElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f	
35	25	22555	-137301.1413	812197.3170250766	39.10450882534299	-101.2831066	302882.1629705641	4330855.767252163	3325.7495485655936	3174.8901161735494	312.4139521083958	3216.685204731754	0
356	31	22556	-136641.1413	812197.3170250766	39.10451814484334	-101.2807817	302783.7242558513	4330851.748349015	3174.296657349684	3174.35833604046	312.4191011565515	3217.150171565515	0
357	31	22557	-136861.1413	812197.3170250766	39.10452171943654	-101.2846478	302842.3219836325	4330848.127013998	3174.986127013998	3174.133041929451	312.4133041929451	3217.133041929451	0
358	35	22558	-135521.1413	812197.3170250766	39.10453664912864	-101.2761319	303185.4011522928	4330843.711	3121.599866872202	3173.079804031283	3120.853271230306	321.915015080705	0
359	35	22559	-134661.1413	812197.3170250766	39.10454583391358	-101.273807	303386.4801596548	4330838.692566484	3308.37542417419	3172.4479211416915	3120.092810844044	321.7008168859904	0
360	36	22560	-134001.1413	812197.3170250766	39.10455491733334	-101.2714821	303587.558973034	4330835.67431921	3304.317120437274	3171.800172596337	3120.051624365283	321.700564365283	0
361	31	22561	-133341.1413	812197.3170250766	39.1045640876789	-101.2691572	303831.656276398	4330831.656276398	3300.2409850571285	3171.135547536704	3120.7880168859904	321.7880168859904	0
362	362	22562	-132681.1413	812197.3170250766	39.10457311883727	-101.2668233	303869.7162055605	4330827.63490368	3296.186837276984	3170.4536883213764	3120.37028766978	3207.134162741628	0
363	31	22563	-132021.1413	812197.3170250766	39.10458212400161	-101.2646474	304190.79425519415	4330823.620773818	3288.1396616256535	3168.555649583865	3118.113012682627	3207.271444214271	0
364	31	22564	-131361.1413	812197.3170250766	39.10459104263033	-101.2621825	304391.8722729112	4330819.632672455	3287.108273029663	3169.04114546725	3118.935037408905	3207.414635991608	0
365	31	22565	-130701.1413	812197.3170250766	39.10459999611386	-101.2598576	304692.85014687053	4330815.585849138	3289.07687	3168.308371484576	3118.6700061484576	3207.6888554618483	0
366	31	22566	-130041.1413	812197.3170250766	39.10460870062364	-101.2575327	304794.02704303634	4330811.56840095	3287.0455142547733	3167.557588882266	3118.634069	3202.050598223116	0
367	367	22567	-129381.1413	812197.3170250766	39.1046176950542	-101.2552078	304895.10527000995	4330807.5512622965	3285.79119213942156	3166.7875588812063	3117.155552345597	3202.05168295666	0
368	31	22568	-128721.1413	812197.3170250766	39.104626476243226	-101.2528289	305196.182543355	4330803.534733049	3285.0977181903972	3165.998425	3117.997702908289	3202.29920982898	0
369	31	22569	-128061.1413	812197.3170250766	39.104635217915767	-101.2505975	305397.2596263496	4330799.518032323	3284.476314986979	3165.189192324226	3118.404014765883	3203.00505781815327	0
370	31	22570	-127401.1413	812197.3170250766	39.1046439	-101.248223	305598.3365174574	4330795.501602948	3283.854911782069	3164.360125777398	3118.044477620025	3203.214784655946	0
371	31	22571	-126741.1413	812197.3170250766	39.10465254872457	-101.245081	305799.413217466	4330791.485114885	3284.3804072881716	3163.511127	3118.9381897977806	3201.92836923348	0
372	372	22572	-126081.1413	812197.3170250766	39.10466114974096	-101.2435832	306000.7826756997	4330787.469850334	3285.836801502813	3162.6429174119085	3118.332038902356	3201.928369237166	0
373	31	22573	-125421.1413	812197.3170250766	39.10466970585199	-101.2412583	306201.5660448867	4330783.453	3287.3651957174543	3161.756300020027	3117.1140728779806	3196.524325564783	0
374	374	22574	-124761.1413	812197.3170250766	39.10467821706181	-101.2389334	306402.4272672872	4330775.437073445	3288.880358994554	3160.8512901675804	3117.338612689784	3192.791408319567	0
375	31	22575	-124101.1413	812197.3170250766	39.104686683361955	-101.2366085	306603.7182105096	4330775.421390085	3288.960232161047	3159.929792923129	3118.318457	3188.9876396172427	0
376	376	22576	-123441.1413	812197.3170250766	39.104695104715671	-101.2342326	306804.794	4330771.405861171	3289.50170289462	3158.966311096789	3178.9627149927264	3184.7172077357467	0
377	31	22577	-122781.1413	812197.3170250766	39.104702814245864	-101.2318929	307019.834205556	4330769.330015621	3291.2181452773493	3158.02803738992	3170.4101932717903	3180.013027125847	0
378	31	22578	-122121.1413	812197.3170250766	39.104711181	-101.2296337	307206.944883771	4330763.7356274	3291.8369239726284	3157.049610679739	3170.91301334007	3176.7249415082147	0
379	379	22579	-121461.1413	812197.3170250766	39.104720800595102	-101.2273088	307408.0206023466	4330759.360303965	3292.356891962994	3156.0554586989123	3167.081515625785	3172.88913752568	0
380	31	22580	-120801.1413	812197.3170250766	39.10472834128096	-101.2249839	307609.0951	4330755.345513871	3292.773473981016	3155.045933840825	3163.00014157825	3168.539746213443	0
381	381	22581	-120141.1413	812197.3170250766	39.10473653814827	-101.222659	307810.1989518625	4330751.33046688	3293.1919709274933	3154.0186435052436	3159.6258450491785	3165.516425456136	0
382	382	22582	-119481.1413	812197.3170250766	39.104744690110074	-101.2203341	308011.2444632471	4330747.3136484805	3293.6023821184713	3152.97684572932	3156.191479676504	3161.56415372817	0
383	383	22583	-118821.1413	812197.3170250766	39.10475278719831	-101.2180929	308212.316895896	4330743.30206321	3294.4851309339654	3151.982833989514	3154.5881123072587	3162.862831052738	0
384	384	22584	-118161.1413	812197.3170250766	39.104761564317004	-101.2156643	308413.2443127684	4330739.298	3295.821771047943	3150.84852402036	3153.077854024036	3155.1329173602597	0.1071434197254006
385	385	22585	-117501.1413	812197.3170250766	39.10476887652105	-101.2135933	308614.4671663347	4330735.274	3297.158411556101	3149.76263882979	3147.278646885826	3152.629736091245	0.243990024533505
386	386	22586	-116841.1413	812197.3170250766	39.10477648901615	-101.2110344	308815.5410243581	4330731.26005043	3298.4950518074074	3148.662634465631	3144.577779786326	3149.81826046039	0.4084854679304499
387	387	22587	-116181.1413	812197.3170250766	39.10478477633535	-101.2087095	309016.6146945203	4330727.246285334	3298.9245949103163	3147.548865447169	3142.5996584630214	3147.122063587	0.4924080641477705
388	388	22588	-115521.1413	812197.3170250766	39.10479258863836	-101.206346	309217.6881771211	4330723.232917354	3298.442420586427	3146.42171890189	3140.068773	3144.363097979547	0.63529461962848
389	389	22589	-114861.1413	812197.3170250766	39.10480046648651	-101.2040597	309418.7147227036	4330719.19304835	3297.961788193345	3145.2816151902794	3137.653165868844	3141.817887132998	0.6453728057281543
390	390	22590	-114201.1413	812197.3170250766	39.10480952810485	-101.201749	309719.834205556	4330715.20461185	3297.418152773493	3144.520715798542	3135.420715798542	3136.36487258954	0.67694271558976
391	391	22591	-113541.1413	812197.3170250766	39.1048160370147	-101.1994098	309920.90750112757	4330711.99407025	3298.8217717238863	3142.960198558493	3133.47419377172	3132.908247867298	0.748024047867298
392	392	22592	-112881.1413	812197.3170250766	39.10482373992055	-101.197049	310021.9802352454	4330707.1806209	3299.99716847374	3141.790618614253	3131.779158430901	3131.452132221814	0.6473841185521434
393	393	22593	-112221.1413	812197.3170250766	39.1048314	-101.19476	310223.0527827595	4330703.160846398	3299.1723566402	3140.60671459077	3130.4461218754723	3131.315139237665	0.160549583604734
394	394	22594	-111561.1413	812197.3170250766	39.1048390110478	-101.1924351	310424.125143879	4330699.15570963	3297.3450195962478	3139.41324399632	3129.574358693065	3132.325003180195	0.89394370602573
395	395	22595	-110901.1413	812197.3170250766	39.10484657920333	-101.190102	310625.1973180855	4330685.14328761	3298.49821802493	3138.212323134571	3129.421117485496	3131.262343809548	0.791205649074982
396	396	22596	-110241.1413	812197.3170250766	39.10485410248614	-101.1877852	310826.2690774306	4330681.131154781	3298.631990524522	3137.9330640156547	3128.772506364245	3131.364396324257	0.723126573920222
397	397	22597	-109581.1413	812197.3170250766	39.10486278936194	-101.185403	311024.3148969768	4330677.100414241	3299.41801945421	3137.0001867043	3126.361194456664	3130.013027125847	0.748024047867298
398	398	22598	-108921.1413	812197.3170250766	39.10486901432944	-101.183354	311228.4727478366	4330683.107404471	3282.896337	3134.573002395676	3133.361552176683	3131.314944045017	0.7211450219079293
399	399	22599	-108261.1413	812197.3170250766	39.10487649200033	-101.1808105	311429.84816067474	4330679.095786126	3281.526210588793	3133.326916155894	3131.5991262517275	3130.787348461264	0
400	400	22600	-107601.1413	812197.3170250766	39.10488374655976	-101.1784855	311630.5554077036	4330675.064334971	3279.645554117016	3132.370484813921	3130.40526325027	3142.306146576203	0
401	401	22601	-106941.1413	812197.3170250766	39.104891045313664	-101.176106	311831.626497735	4330671.07300322	3277.76530233244	3130.90853687047	3146.644881804784	3147.9530712190905	0
402	402	22602	-106281.1413	812197.3170250766	39.10489829916178	-101.1738357	312032.6973477884	4330667.61945214	3275.89450958497	3129.68758166378	3153.60237926705	3155.041848	0
403	403	22603	-105621.1413	812197.3170250766	39.1049052810485	-101.1715106	312233.798038286	4330663.5969564	3274.181367120785	3128.478624258385	3130.4306988971217	3155.19470266564	0
404	404	22604	-104961.1413	812197.3170250766	39.1049127140465	-101.1691858	312434.83845222	4330659.047221135	3265.46495194718	3127.2067522714	3144.9068878		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	WtElevBothKgr.f	SatHBoth.f	SatHBoth.ft
481	21	22681	-54141.14133	812197.3170250766	39.105329449752844	-100.9901655	327916.7304606678	430350.717950249	3159.333622696675	3009.488806020165	2932.72872914298	2932.5716351977094	76.7573504908674	76.9169728280711
482	21	22682	-53481.14133	812197.3170250766	39.10533111098346	-100.9878405	328117.7871978748	430346.72	3156.894507055796	3009.41593306635	2933.07572826254	2933.07572826254	74.783136737117	75.01239901370582
483	21	22683	-5281.14133	812197.3170250766	39.1053327337722	-100.9865156	328318.9438108405	430342.42	3154.4004031172854	3009.4148361172854	2933.52089245526	2933.52089245526	72.894748287849	73.0168613224507
484	21	22684	-5161.14133	812197.3170250766	39.10534029909425	-100.9831396	328519.9032055984	430338.72564262	3151.874371	3004.866892759445	2933.97361200115	2933.8817000275319	70.1052827482972	71.0051982731913
485	21	22685	-51041.14133	812197.3170250766	39.10534832569487	-100.9808056	328720.95648872724	430334.72853484	3149.3423388721614	3003.365883366871	2934.3311842077744	2934.1264801739453	69.040915912638	69.2394012925269
486	21	22686	-50841.14133	812197.3170250766	39.10534730741383	-100.9785407	328922.01567272376	430336.731635075	3146.811458771014	3001.851458771014	2934.054743871314	2934.054743871314	67.9666707163973	68.022273769068
487	21	22687	-50181.14133	812197.3170250766	39.10535442262602	-100.9762157	329123.0884644205	430336.73485317	3143.6603715937965	3000.340001700757	2932.789702	2932.789702	67.55030048685075	67.686428685075
488	21	22688	-49521.14133	812197.3170250766	39.10535413613153	-100.9738908	329324.12434493794	430322.72385373	3139.892553235005	2998.828213964848	2931.148414909751	2930.9136450376875	67.6797990573327	67.91450745879679
489	21	22689	-48861.14133	812197.3170250766	39.105357483130324	-100.9716558	329525.17985346515	430318.741833468	3136.124698503223	2997.31689345791	2929.40789721841	2929.0987106491	67.8047982959005	68.21281926879896
490	21	22690	-48201.14133	812197.3170250766	39.10536078222466	-100.9692409	329725.235247285	430314.74557075	3132.556861772936	2995.791186909302	2927.773653641114	2927.773653641114	68.0148322627622	68.375152494933
491	21	22691	-47541.14133	812197.3170250766	39.10536404204789	-100.9669159	329927.2905074296	430310.74949414	3128.833749574464	2994.263510020848	2926.187384917954	2925.914185	68.0761251028925	68.34920534817684
492	21	22692	-46881.14133	812197.3170250766	39.105367245686005	-100.964591	330128.3459577877	430306.753569667	3125.325716774746	2992.732238732009	2924.808736377546	2924.5569904576723	67.9230236452545	68.1752482743361
493	21	22693	-46221.14133	812197.3170250766	39.10537042020581	-100.962266	330329.4005139735	430302.751818637	3120.505123857051	2991.20140692981	2923.4492414762244	2923.27193292592	67.9637044539481	67.9637044539481
494	21	22694	-45561.14133	812197.3170250766	39.105373344523864	-100.9599411	330530.45562622703	430298.76262041	3119.037006367545	2989.645892857844	2921.771109625305	2921.727854434367	67.9034796	67.9467348401757
495	21	22695	-44901.14133	812197.3170250766	39.105376620626424	-100.9576761	330734.766281979	430294.766281979	3115.189985	2988.154383599915	2920.1412598170295	2920.11802596514	67.8102318918696	68.14258103913259
496	21	22696	-44241.14133	812197.3170250766	39.10537965473423	-100.9552192	330932.5647279173	430290.71578135	3110.761083250545	2986.64254851933	2917.8946545369254	2917.768575619679	68.1778805500749	68.3797303225407
497	21	22697	-43581.14133	812197.3170250766	39.105382642479306	-100.9529662	331133.6183734613	430286.776488085	3106.33924126523	2985.102438728477	2915.16668916031	2915.07113804876	68.993954966165	70.0345157880617
498	21	22698	-42921.14133	812197.3170250766	39.105385585317656	-100.9506412	331334.67269572	430282.781589815	3103.919239	2983.68414690526	2912.629548910913	2912.4918710700737	71.0186557961295	71.0563617897818
499	21	22699	-42261.14133	812197.3170250766	39.10538848324923	-100.9483163	331535.7265524474	430278.786849305	3097.87027424454	2982.165761486428	2911.15784845495	2910.879657022193	71.089466403298	71.18804464420872
500	21	22700	-41601.14133	812197.3170250766	39.10539133627407	-100.9459913	331736.7803201073	430274.79272214	3094.32135619781	2980.689480732416	2909.9815239168094	2909.870115643214	70.70831815643214	70.9806181194838
501	21	22701	-40941.14133	812197.3170250766	39.10539414439213	-100.9436664	331937.8393186605	430270.797873452	3090.889481153303	2979.721119494954	2909.0645733095394	2908.901192342073	70.15563618541703	70.31992715288334
502	21	22702	-40281.14133	812197.3170250766	39.10539690761076	-100.9413414	332138.38875	430266.803687099	3086.958480178028	2977.941487791903	2907.703846954052	2907.53963321428	70.0220451072726	70.2200451072726
503	21	22703	-39621.14133	812197.3170250766	39.105399672959314	-100.939072	332346.25680741098	430262.90297221	3083.9948268207	2976.7948268207	2906.598348687337	2906.598348687337	69.94373816772	70.308473816772
504	21	22704	-38961.14133	812197.3170250766	39.10540229930704	-100.9366915	332540.93826133	430258.815673087	3081.633507382824	2974.865118311958	2904.388520345233	2904.2385011782094	70.4765974733496	70.6206113734882
505	21	22705	-38301.14133	812197.3170250766	39.10540483	-100.9343666	332740.467070945	430250.81940606	3078.256615773952	2973.641478502585	2902.646177508351	2902.562127292261	70.78530009	70.8693511023266
506	21	22706	-37641.14133	812197.3170250766	39.10540711382175	-100.9320416	332943.09954975	430250.83278085	3076.957815746802	2972.0069171573573	2901.58429895916	2901.53134739508	70.4226172982211	70.87554276157653
507	21	22707	-36981.14133	812197.3170250766	39.10541005005594	-100.9297166	333144.1521653406	430246.83498411	3074.684163951596	2970.592066603197	2899.686310534332	2899.2147550762384	70.900561259878	71.3773090305177
508	21	22708	-36321.14133	812197.3170250766	39.1054125438301	-100.9273917	333345.2004617818	430242.841759102	3072.47406106658	2969.187220337027	2898.190283245713	2897.717135784737	70.443493873461	71.47454844
509	21	22709	-35661.14133	812197.3170250766	39.10541498268016	-100.925072	333546.25680741098	430238.848707099	3069.958480178028	2967.948268207	2898.2384348687337	2897.851075731914	69.94373816772	70.308473816772
510	21	22710	-35001.14133	812197.3170250766	39.1054173965508	-100.9227718	333747.3091325572	430234.85492708	3065.057906117036	2966.0454924708	2898.919371	2898.919371	66.4753107	66.6487520879512
511	21	22711	-34341.14133	812197.3170250766	39.10541975570107	-100.9204168	333946.3609897743	430230.863092368	3066.3714071340933	2965.047804023316	2901.48762997299	2901.47522281916	63.65077405032796	63.6422817413402
512	21	22712	-33681.14133	812197.3170250766	39.10542206944415	-100.9180919	334149.4128	430226.875054083	3063.212097961424	2963.6951019794124	2901.07512187203	2900.868579669305	62.658276903458	62.658276903458
513	21	22713	-33021.14133	812197.3170250766	39.10542343908094	-100.9157669	334350.4644410712	430222.871875001	3062.054278800268	2962.366035074396	2898.99446027008	2898.6894791251084	63.3621628427337	63.6671248233117
514	21	22714	-32361.14133	812197.3170250766	39.10542656341066	-100.9134419	334551.515919335	430218.88954133	3060.89437673335	2961.0330946160277	2896.396830419914	2896.425470243684	64.9630547403673	64.99120319966232
515	21	22715	-31701.14133	812197.3170250766	39.10542842835546	-100.9111717	334756.2672359414	430214.89384214	3060.911098911524	2959.727176307598	2894.755160776449	2894.431519858893	65.9725561540599	66.28637173
516	21	22716	-31041.14133	812197.3170250766	39.1054312734961	-100.90872	334953.6189110195	430210.90297221	3059.105643751207	2958.43982	2891.60414540927	2891.211059404	67.2723236187144	67.2723236187144
517	21	22717	-30381.14133	812197.3170250766	39.1054329658683	-100.9064671	335154.68958501777	430206.91	3058.190139458023	2957.67265437718	2889.724270843166	2889.6239446734217	67.8688070365076	67.8688070365076
518	21	22718	-29721.14133	812197.3170250766	39.10543501166123	-100.9041421	335355.7027178936	430202.918761721	3058.044780127273	2956.95125811767362	2888.476878168342	2888.19941826279	67.453700384926	67.7161291045741
519	21	22719	-29061.14133	812197.3170250766	39.10543701145675	-100.9018171	335556.770889368	430198.9273871	3056.6160945941	2954.674096611811	2887.870145143572	2887.6383017057596	66.80395148823912	67.0375165005136
520	21	22720	-28401.14133	812197.3170250766	39.1054386634547	-100.8994922	335757.8214013481	430194.936181285	3055.664266020715	2953.4502300579225	2887.541783	2887.388959718562	65.9084468277306	66.016270336036
521	21	22721	-27741.14133	812197.3170250766	39.105440871672	-100.8971672	335958.8781	430190.945143392	3056.712433071414	2952.239196603306	2887.37607022639	2887.2682079793035	64.9630547403673	64.99120319966232
522	21	22722	-27081.14133	812197.3170250766	39.10544274140231	-100.8948423	336159.95219	430186.954273708	3056.760080142006	2951.639453887553	2887.19642511701	2887.04276817705426	63.8285405621871	63.8285405621871
523	21	22723	-26421.14133	812197.3170250766	39.10544465355512	-100.8925786	336367.268849086	430182.9684986	3055.46861636029	2950.46861636029	2887.04276817705426	2887.04276817705426	62.8771350417871	62.8771350417871
524	21	22724	-25761.14133	812197.3170250766	39.1054453683172	-100.8901923	336562.0218	430179.937308923	3055.066274350095	2948.669348118138	2885.901705409582	2886.0270681310467	62.7598741872891	62.930736765075
525	21	22725	-25101.14133	812197.3170250766	39.10544806718612	-100.8878764	336763.0155150234	430174.982673085	3054.90286639169	2947.497136238025	2884.578			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
607	221807	29016.8586730335	812197.3170250766	39.105437138042184	-100.6972206	353248.62441534223	4329848.3442513439	2335.33249368991126	2844.901566990338	2845.6056850453946	0	0	
608	221808	29676.8586730335	812197.3170250766	39.10543514112357	-100.6948565	353449.66159175965	4329844.367815921	2335.0630161666575	2838.2653282150146	2839.2674067374126	2840.10073226265	0	
609	221809	30338.8586730335	812197.3170250766	39.10541966530196	-100.6925707	353569.68794881794	4329840.319471963	2335.26844623176	2837.56844623176	2838.5847906191985	2842.010215840024	1.5610364107503636	
610	221810	30998.8586730335	812197.3170250766	39.10543101256583	-100.6890257	353851.73551748274	4329836.415447467	2334.5240671214674	2830.16775350806	2832.33226650476	2836.970129676098	3.915117603400909	
611	221811	31658.8586730335	812197.3170250766	39.105428880926716	-100.6875928	354052.7722671956	4329832.439514244	2334.570137362923	2823.4268309774357	2826.3029136481678	2827.511042470688	7.12391732926787	5.91578860647504
612	221812	32318.8586730335	812197.3170250766	39.105426704380776	-100.6855958	354253.8089	4329826.434748825	2334.57181364525	2821.67312850355	2822.178175348106	2823.2276702548972	8.376034804458922	8.376034804458922
613	221813	32978.8586730335	812197.3170250766	39.1054248292798	-100.6832709	354454.8453413531	4329818.448815056	2335.2935405047444	2829.783321570119	2817.050489153206	2818.331229002792	12.3283241682293	11.46202961682293
614	221814	33638.8586730335	812197.3170250766	39.10542221665838	-100.6809459	354655.8816662034	4329820.512719917	2335.6552374236967	2827.970099	2812.154968473165	2813.148330877496	15.4130569124904	14.82176423440022
615	221815	34298.8586730335	812197.3170250766	39.10541966530196	-100.6786209	354856.97194884174	4329816.327456596	2336.5921361670337	2827.16740794478	2807.08662633696	2807.948394	18.15928466142162	18.15928466142162
616	221816	34958.8586730335	812197.3170250766	39.10541754912874	-100.676256	355067.95389247325	4329812.56236085	2336.091921595695	2824.27322551659	2802.1389892309007	2802.799562928633	22.4402943471878	21.57963596275613
617	221817	35618.8586730335	812197.3170250766	39.10541548046584	-100.673971	355258.987942989	4329808.58423169	2336.260202405335	2822.607502092186	2797.0892526743687	2797.789757	24.81774877556447	24.81774877556447
618	221818	36278.8586730335	812197.3170250766	39.10541270206185	-100.671641	355460.025555522	4329804.612671053	2336.43042653312	2820.85401129554	2792.325966234944	2792.932971178332	28.528634806059472	27.9253995120068
619	221819	36938.8586730335	812197.3170250766	39.105412001116819	-100.6696211	355661.0611763585	4329798.638077313	2336.674867896921	2820.18467625607	2787.918476252607	2787.9924410372064	31.03926925754027	30.7256278411546
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624	221824	40238.8586730335	812197.3170250766	39.10539730308126	-100.657963	356666.23718174757	4329780.76761901	2338.26539900707657	2810.78319039044	2777.63684269596	2778.03542611626	33.15163480587782	32.735671783
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636	221836	48158.8586730335	812197.3170250766	39.10536176904287	-100.6297969	359078.654093287	4329733.0553003	2339.47568912846	2792.96130134027	2759.5711543548597	2759.5711543548597	33.7278971775718	32.778971775718
637	221837	48818.8586730335	812197.3170250766	39.10535796902376	-100.6274719	359279.6786766496	4329729.124005676	2339.47568912846	2790.303613704605	2758.46033355555	2759.597690134656	31.433679607496474	31.30592238139247
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645	221845	54098.8586730335	812197.3170250766	39.1053298566167	-100.6088723	360887.9388074331	4329697.357	2339.47568912846	2780.7700738923	2755.03063138923	2765.897564670475	21.334084891739	21.334084891739
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647	221847	55418.8586730335	812197.3170250766	39.105323340456	-100.6042224	361290.0248889346	4329689.471372948	2339.47568912846	2778.4357935624	2753.4357935624	2761.7764339457833	20.96663788852345	20.96663788852345
648	221848	56078.8586730335	812197.3170250766	39.1053184081607	-100.6018714	361491.0413712634	4329685.46762536	2339.47568912846	2777.481769154275	2752.481769154275	2760.536449896018	22.4681417760173	22.4681417760173
649	221849	56738.8586730335	812197.3170250766	39.105315490720924	-100.6000719	361692.0842720924	4329681.039243945	2339.47568912846	2776.4357935624	2751.4357935624	2759.597690134656	22.1586116719423	22.1586116719423
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651	221851	58058.8586730335	812197.3170250766	39.10530678181084	-100.5949226	362094.1282371013	4329673.5340193	2339.47568912846	2774.4357935624	2750.481769154275	2759.597690134		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatTfzBothKrg.ft
73	31	22933	112178.85687307335	812197.3170250766	39.10483188699635	-100.4042777	3785.78	2537257586	4239348.629	2773.951095874981	261.94212958	261.9440884913213	46.27702336139736
734	31	22934	112838.85687307335	812197.3170250766	39.10482423187327	-100.39738	3789.79	2469103544	4239344.673566495	2773.22659505614	264.78453172796728	264.78453172796728	45.074331267340746
735	31	22935	113498.85687307335	812197.3170250766	39.10481651844466	-100.39678	3789.69	29631261814	4239340.79	2658.7816470818107	265.8744814693794	265.8744814693794	45.074331267340746
736	31	22936	114158.85687307335	812197.3170250766	39.1048078690997	-100.39373	3791.81	319171711	4239336.76348793	2771.050419506705	265.8015483502127	265.8015483502127	45.074331267340746
737	31	22937	114818.85687307335	812197.3170250766	39.1048009706982	-100.3949781	3793.32	3364065171	4239332.80	2769.339038169923	265.318911197501	265.318911197501	45.074331267340746
738	31	22938	115478.85687307335	812197.3170250766	39.10479316232403	-100.3926531	3795.83	3567792334	4239328.854006436	2767.627318188287	265.3302953569129	265.3302953569129	45.074331267340746
739	31	22939	116138.85687307335	812197.3170250766	39.10478582672566	-100.390282	3797.84	377036085	4239324.8943473	2766.075486783187	265.235765260253	265.235765260253	45.074331267340746
740	31	22940	116798.85687307335	812197.3170250766	39.1047735811552	-100.3880033	3799.85	3977172601	4239320.50529347	2766.749494104137	265.20083354	265.20083354	45.074331267340746
1	32	22941	120941.1413	812857.3170250766	39.10020041754875	-102.1069863	231390.359	5451894	4239310.79	3883.046547150235	3875.745368807146	3875.745368807146	72.8369255920527
2	32	22942	120281.1413	812857.3170250766	39.100225958008	-102.1037706	231591.5269	1039135	4239306.3712294	4001.661719594225	3873.617599250540	3873.617599250540	72.8369255920527
3	32	22943	1209621.1413	812857.3170250766	39.10025112651051	-102.1014461	231792.681361	105686	4239302.296874565	4018.83178935214	3880.482758032146	3880.482758032146	72.8369255920527
4	32	22944	1268961.1413	812857.3170250766	39.1002765154612	-102.099125	231993.841	10645753	4239278.21755028	4017.29602440333	3879.20166304895	3879.20166304895	72.8369255920527
5	32	22945	1268801.1413	812857.3170250766	39.10030313168884	-102.0967969	232195.001926571	10266174	4239274.13844373	4027.9201791085743	3868.153080073283	3868.153080073283	72.8369255920527
6	32	22946	1367641.1413	812857.3170250766	39.1002326369362	-102.0944723	232396.1617544422	10047324	4239270.05946654	3876.637840640771	3864.800443756141	3864.800443756141	72.8369255920527
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17	32	22957	1360381.1413	812857.3170250766	39.10058979155838	-102.0689019	234608.902878252	1004325	4239230.4022219	3856.651540374960	3852.5581773249605	3852.5581773249605	72.8369255920527
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25	32	22965	1355011.1413	812857.3170250766	39.10079350560008	-102.0503051	236218.14910519798	1004294	4239204.7059184056	3848.3230919716524	3853.650355469744	3853.650355469744	72.8369255920527
26	32	22966	1354441.1413	812857.3170250766	39.10081764384705	-102.0479805	236419.3037034748	1004290	4239201.83615	3851.05202915135	3833.810122828043	3833.810122828043	72.8369255920527
27	32	22967	1353781.1413	812857.3170250766	39.1008417626546	-102.0456568	236620.458402221	1004286	4239194.347513	3849.717188452912	3847.1708852912	3847.1708852912	72.8369255920527
28	32	22968	1353121.1413	812857.3170250766	39.1008657383127	-102.0433314	236821.61115465	1004282	4239191.16554	3848.4061295589	3846.940427505926	3846.940427505926	72.8369255920527
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31	32	22971	1351141.1413	812857.3170250766	39.1009376710449	-102.0363574	237425.072860047	1004270	4239181.74022	3844.881186720147	3824.45177837831	3824.45177837831	72.8369255920527
32	32	22972	1350481.1413	812857.3170250766	39.10096152066611	-102.0340328	237626.2250817598	1004266	4239178.067212935	3843.9982525586	3822.401975378604	3822.401975378604	72.8369255920527
33	32	22973	1349821.1413	812857.3170250766	39.10098534813152	-102.0317082	237827.3786804053	1004262	4239175.33399	3842.767899032588	3820.26812926738	3820.26812926738	72.8369255920527
34	32	22974	1349161.1413	812857.3170250766	39.10100912630075	-102.029336	238028.5311918193	1004258	4239172.5819435	3841.91837731134	3818.061371769002	3818.061371769002	72.8369255920527
35	32	22975	1348501.1413	812857.3170250766	39.1010335437	-102.0270378	238248.589459498278	1004254	4239169.173341	3840.940427505926	3818.061371769002	3818.061371769002	72.8369255920527
36	32	22976	1347841.1413	812857.3170250766	39.10105745795039	-102.024734	238430.8345839813	1004250	4239166.77100701	3839.7171916756	3834.551327766877	3834.551327766877	72.8369255920527
37	32	22977	1347181.1413	812857.3170250766	39.1010809143076	-102.0224097	238631.8671681432	1004246	4239163.6974108	3838.555157170934	3837.201841567053	3837.201841567053	72.8369255920527
38	32	22978	1346521.1413	812857.3170250766	39.1011037900147	-102.0200851	238833.1386240545	1004242	4239160.4037521	3837.935191564306	3835.92717183391	3835.92717183391	72.8369255920527
39	32	22979	1345861.1413	812857.3170250766	39.1011273470223	-102.0177605	239034.288654227	1004238	4239157.6807833	3837.1938792998	3834.748245821243	3834.748245821243	72.8369255920527
40	32	22980	1345201.1413	812857.3170250766	39.10115085	-102.0154358	239235.40481192522	1004234	4239154.7672342	3836.371834984934	3833.528286354453	3833.528286354453	72.8369255920527
41	32	22981	1344541.1413	812857.3170250766	39.101173587855	-102.0131912	239436.5915087655	1004230	4239151.7	3835.460427505926	3832.914200604	3832.914200604	72.8369255920527
42	32	22982	1343881.1413	812857.3170250766	39.10119773358584	-102.010786	239637.7149715012	1004226	4239148.3395118	3834.62113206846	3831.102411956035	3831.102411956035	72.8369255920527
43	32	22983	1343221.1413	812857.3170250766	39.10122110948706	-102.0084619	239837.892127835						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevLogKgr.ft	SurElevLogKgr.ft	SurElevBoth.ft	
119	32	2309	-239061.1413	81.2857	31.70250766	39.102866170524145	-101.8317857	152525.5696915966	4323020.1245971603	174.5178381574084	3675.1360147171454	3620.3499747905662	3618.067623	54.78630992648914	57.06839118262355
120	32	2306	-292401.1413	81.2857	31.70250766	39.10286606746139	-101.829461	255326.69687166245	433006.186612902	378.849112111951	3672.84124538251	3618.7091720917365	3615.981398821825	56.479304561455	56.49984876068854
121	32	2305	-291741.1413	81.2857	31.70250766	39.1028659469868	-101.827183	255827.8235394561	433002.0429581	378.1198687696926	3669.82236711747	3618.978841405752	3615.580717722757	52.8434745785168	56.24158894511925
122	32	2302	-2910181.1413	81.2857	31.70250766	39.102925786635626	-101.824415	255728.9578635626	433006.04809841	373.330060289043	3667.1593796317954	3614.95262649032	3610.93740624676	52.2070132827635	56.22163060382777
123	32	2303	-290421.1413	81.2857	31.70250766	39.10294556887433	-101.822468	255930.0881490518	433006.05965465	372.9202464776148	3664.49005183721	3612.8989971639474	3607.35199214141	51.59199566977375	57.13896504191007
124	32	2304	-289761.1413	81.2857	31.70250766	39.1029563021225	-101.820162	256131.218091261	433199.05892519	372.05146146316	3610.71360319516	3610.245942034865	3603.26423813955	51.0609402434865	58.57449692656104
125	32	2305	-289101.1413	81.2857	31.70250766	39.1029489865024	-101.817873	256332.3477902121	433198.89239094	371.35884359351156	3609.138995646263	3608.233387770407	3599.69187855669	50.9055718855666	59.44335059
126	32	2306	-288441.1413	81.2857	31.70250766	39.1029464618828	-101.8155125	256533.4772515335	433198.834060685	371.4194329415997	3656.455901748475	3606.08087063394	3595.976054312967	50.479847438113596	60.479847438113596
127	32	2307	-287781.1413	81.2857	31.70250766	39.1029444882669	-101.8131876	256734.60647083002	433197.776	370.65918284121	3653.768302	3604.763914597746	3599.814283442173	49.4038737245166	63.85467854
128	32	2308	-287121.1413	81.2857	31.70250766	39.1029438556428	-101.811083	256935.73447476343	433197.771947875	369.861892519134	3611.07245146864	3604.650536618944	3585.61329464948	46.4257089574063	65.45991050518571
129	32	2309	-286461.1413	81.2857	31.70250766	39.10293831940218	-101.808383	256933.261784368302	433199.6036087367	3648.37989678537	3648.37989678537	3602.8355554750087	3601.542548668337	45.54423419284467	66.83714380146967
130	32	2307	-285801.1413	81.2857	31.70250766	39.10308273733998	-101.8062135	257337.99268121162	433196.60454443	3681.266714073357	3645.678964568127	3600.995578107813	3593.908018669898	44.6838579232586	51.698947698218944
131	32	2307	-285141.1413	81.2857	31.70250766	39.10310221037765	-101.803888	257539.12093756237	433195.548881304	3677.85952702521	3642.97306806383	3599.120839161061	3591.0731405776505	43.8527694532188	51.90046802732575
132	32	2307	-284841.1413	81.2857	31.70250766	39.10312159	-101.801564	257740.248953981	433195.48769533	3678.8426425191296	3640.262402056805	3597.2056015201347	3588.54110201347	43.05681855	51.721307
133	32	2307	-283821.1413	81.2857	31.70250766	39.10314992715255	-101.7992293	257941.37673041504	433195.489451928	3677.544748758052	3595.2473140888483	3586.34166237775	3572.42369665352	51.2038452072686	60.479847438113596
134	32	2307	-283161.1413	81.2857	31.70250766	39.1031602100933	-101.7969145	258142.50426732717	433194.973590085	3680.808973506493	3634.820565250083	3593.24525947825	3582.586849	41.5733930225782	52.23371660012855
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136	32	2307	-281841.1413	81.2857	31.70250766	39.10319685	-101.79225	258544.75862314698	433194.26196045	3677.462782211214	3629.352538303197	3589.1074378796516	3578.60420993236	40.2451159056851	50.74852383708367
137	32	2307	-281181.1413	81.2857	31.70250766	39.10321780569839	-101.7899403	258745.8854424623	433193.20471305	3674.84349529326	3626.609822560437	3586.22249264525	3577.67802449641	40.3864293595578	48.0398980912276
138	32	2307	-280521.1413	81.2857	31.70250766	39.10323691	-101.787615	258947.102229906	433193.174736139	3672.261916823943	3623.85765764383	3583.870650152353	3575.759818447833	39.9759924914578	48.0793941669957
139	32	2307	-279861.1413	81.2857	31.70250766	39.1032595726917	-101.7852097	259148.13864934923	433193.091365008	3671.553905209474	3621.098152422566	3581.5538511338655	3573.542409079606	39.5443012887718	47.55751474
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141	32	2308	-278541.1413	81.2857	31.70250766	39.103293647719505	-101.7804192	262165.0030237675	433192.978674247	3670.85933808200177	3615.843974991143	3578.983808900245	3571.61645893241	45.7510146953701	51.22744786019484
142	32	2308	-277881.1413	81.2857	31.70250766	39.10331290037167	-101.7783164	259751.1519613085	433196.04205826	3675.051322933263	3612.763669119075	3573.703717229675	3565.652047239273	39.06504988940034	46.1174218798014
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144	32	2308	-276561.1413	81.2857	31.70250766	39.10335062393716	-101.773669	260153.7665030396	433190.81422665	3671.331220624846	3607.180749138806	3569.298096123744	3561.372996548103	37.881886310506256	45.4434952686928
145	32	2308	-275901.1413	81.2857	31.70250766	39.10336941836895	-101.7713421	260354.89141780077	433190.754881314	3668.461143143416	3604.763132503533	3566.319398832813	3558.999047621015	38.0571441722224	45.73074662024755
146	32	2308	-275241.1413	81.2857	31.70250766	39.10338816790003	-101.7690174	260556.0160953098	433190.7043504	3665.59106556398	3601.5659509341986	3563.026839010283	3556.1117699759397	38.53911193317026	45.45418095806486
147	32	2308	-274581.1413	81.2857	31.70250766	39.10340567	-101.766819	260757.14052086754	433190.6179326	3663.858988	3600.8666775281	3562.04646675281	3554.984668913136	39.10476250466038	46.91827132364574
148	32	2308	-273921.1413	81.2857	31.70250766	39.10342379	-101.7643878	260954.3643793948	433190.641522833	3660.3472393948	3595.02683493049	3558.773694021815	3549.721932879744	46.1988712710588	47.1988712710588
149	32	2309	-273261.1413	81.2857	31.70250766	39.10344417068865	-101.762043	261159.3807703827	433188.854	3673.805381	3593.096384283914	3553.32065	3545.852572082006	39.7073351200136	46.7439133438474
150	32	2309	-272601.1413	81.2857	31.70250766	39.10346271071686	-101.7597183	261360.51423834308	433188.544544565	3672.025119421914	3590.2985799573493	3549.488112	3542.806585311626	40.77176787	47.45292164753975
151	32	2309	-271941.1413	81.2857	31.70250766	39.10348124044004	-101.7573395	261561.6393325465	433188.431497544	3620.454728	3587.416471573853	3545.468080248863	3539.3043354950396	41.94839130896662	48.382136078813346
152	32	2309	-271281.1413	81.2857	31.70250766	39.10349922172021	-101.7550687	261762.75919224386	433188.37671271771	3617.374197322716	3584.56042891382	3541.447057572074	3535.46682848243	47.9384788176459	49.099044602575
153	32	2309	-270621.1413	81.2857	31.70250766	39.1035185739565	-101.7527439	261963.88225151608	433187.2329712315	3614.293670995036	3581.708484959458	3537.2616166885107	3531.651478184084	44.686829143484	50.0596107745375
154	32	2309	-269961.1413	81.2857	31.70250766	39.10353647719505	-101.7504192	262165.0030237675	433189.70238311	3613.843974991143	3578.983808900245	3571.61645893241	3527.61645893241	45.7510146953701	51.22744786019484
155	32	2309	-269301.1413	81.2857	31.70250766	39.10355489341234	-101.7480944	262368.127555727	433188.21092186	3610.45428074916	3575.915901261935	3569.033902321666	3523.781823	46.9076999	52.1767947
156	32	2309	-268641.1413	81.2857	31.70250766	39.1035731936554	-101.7457696	262567.2498730812	433186.13303997	3598.790546530887	3573.092081013526	3525.231804802559	3521.330349550683	47.6902762106905	51.76173146284509
157	32	2309	-267981.1413	81.2857	31.70250766	39.1035914928677	-101.7434448	262768.371955534	433186.11081191	3595.530703250887	3570.205098087586	3521.464197589253	3518.17402532091	48.4700049780625	52.031072766217676
158	32	2309	-267321.1413	81.2857	31.70250766	39.10360966	-101.741112	262969.4983002946	433186.05762678	3584.280766	3567.310717511011	3518.598958679577	3516.670439789059	48.7181187152433	51.23642107304204
159	32	2309	-266661.1413	81.2857	31.70250766	39.103628725825896	-101.7387952	263170.6154156565	433184.05	3579.386066968484	3564.01052631767	3516.4720741445003	3513.8446867993526	47.9384788176459	50.56589583232452
160	32	2310	-266001.1413	81.2857	31.70250766	39.103645946752714	-101.7364705	263371.739	433184.362791	3576.8528147911	3563.04349494236	3513.796137111224	3511.651269239874	47.40751638113667	50.23614984622284
161	32	2310	-265341.1413	81.2857	31.70250766	39.1036630238846	-101.7342007	263580.44277984427	433184.2265474	3574.33846225474	3561.73456421185676	3510.761602761474	3509.817602761474	46.9513678891026	51.23642107304204
162	32	2310	-264681.1413	81.2857	31.70250766	39.1036820538846	-101.7318429	263783.978951481	433183.84572839	3571.784927707914	3555.66869188036	3513.20612672482	3510.28721345201	43.3480751555457	45.3814

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
245	32	23185	-209901.1413	812857.3170250766	39.10502210757127	-101.5388597	280466.2197093334	3431500.114652924	3470.056520243477	3298.233357565839	3362.4854457016314	3363.666184256635	0	0
246	32	23186	-209241.1413	812857.3170250766	39.1050363669699	-101.5365348	280667.3217059051	3431456.07841415	3465.915079805158	3295.4468935853378	3356.32084420337	3357.61759166221	0	0
247	32	23187	-208621.1413	812857.3170250766	39.1050369	-101.5342498	280868.423461784	3431482.039200461	3464.78977337748	3292.899481624576	3348.199322816433	3350.78932026338	0	0
248	32	23188	-207921.1413	812857.3170250766	39.105064750755055	-101.531385	281069.5205509084	3431488.01730051	3460.5906605131073	3297.73073306967	3341.27073306967	3342.74027158011	0	0
249	32	23189	-207261.1413	812857.3170250766	39.10507887534193	-101.5295602	281270.626397908	3431483.964430179	3468.4214276484527	3287.267171867323	3332.2380644820755	3334.054456468624	0	0
250	32	23190	-206601.1413	812857.3170250766	39.10509295502491	-101.5272353	281471.7252969656	3431479.927300841	3470.252254783799	3284.6054003149657	3322.7840970540706	3324.845404072327	0	0
251	32	23191	-205941.1413	812857.3170250766	39.105106989803964	-101.5249104	281672.8284643195	3431475.890342025	3467.95382086116	3281.9797719592767	3312.688019680807	3314.789004909159	0	0
252	32	23192	-205281.1413	812857.3170250766	39.10512097967907	-101.522585	281873.9247172284	3431471.85353728	3461.5261475554066	3279.391556807915	3302.847764909982	3304.17560328424	0	0
253	32	23193	-204621.1413	812857.3170250766	39.10513496465916	-101.5202696	282075.63622889	3431467.81683539	3458.093467049967	3276.8453484952587	3299.05010546863	3293.348915	0	0
254	32	23194	-203961.1413	812857.3170250766	39.105148824717304	-101.5179359	282276.129035144	3431463.78048953	3448.677894538876	3274.34362134981	3291.43125563498	3282.715296	0	0
255	32	23195	-203301.1413	812857.3170250766	39.10516267988308	-101.5151610	282477.229959302	3431459.74211861	3443.754603332156	3271.88866655936	3272.1861454332184	3272.82639303284	0	0
256	32	23196	-202641.1413	812857.3170250766	39.10517649	-101.513286	282678.329804774	3431455.78010555	3440.349917530681	3269.457297925913	3265.52505264916	3267.8679049253324	3.6073930005809416	0
257	32	23197	-201981.1413	812857.3170250766	39.10519025554935	-101.5109611	282879.4294722084	3431451.67219373	3436.945231740477	3267.108368566256	3262.565766159943	3262.4692467073087	4.5639121858947874	0
258	32	23198	-201321.1413	812857.3170250766	39.10520397594517	-101.5086362	283080.528397453	3431447.63	3431.540545959413	3264.7806	3262.946579	3262.72014336081	1.8394806733399491	2.059045833399068
259	32	23199	-200661.1413	812857.3170250766	39.10521765149187	-101.5063113	283281.628032571	3431443.600809494	3431.7205611871004	3262.507891	3264.4950837707135	3264.978904	0	0
260	32	23200	-200001.1413	812857.3170250766	39.10523128213459	-101.5038964	283462.7270299907	3431439.565385064	3431.485277445108	3260.274106561623	3267.300850476476	3268.03864643281	0	0
261	32	23201	-199341.1413	812857.3170250766	39.10524648787276	-101.501616	283683.8257940584	3431435.530131089	3431.2499857031157	3258.08439	3270.031369808517	3270.684506267135	0	0
262	32	23202	-198681.1413	812857.3170250766	39.10525840870589	-101.4993367	283884.9243517516	3431431.495047553	3431.0147099611236	3255.938641785781	3272.7078704804433	3272.8039413722618	0	0
263	32	23203	-198021.1413	812857.3170250766	39.10527190463678	-101.4970118	284086.0226962013	3431427.460134453	3428.876888275248	3253.8366730609073	3274.9225152687804	3274.82657412818	0	0
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267	32	23207	-195381.1413	812857.3170250766	39.1053261826259	-101.487448	284904.4339641706	3431411.822186239	3412.81932638957	3248.81932638957	3261.81932638957	3278.91814221589	0	0
268	32	23208	-194721.1413	812857.3170250766	39.10533871072178	-101.4853783	285091.511228016	3431407.288125232	3401.204820386205	3243.97283380831	3263.2673837369384	3282.98140086195	0	0
269	32	23209	-194061.1413	812857.3170250766	39.10535193722571	-101.4830624	285292.6082764896	3431403.254239592	3392.184280929614	3242.1260933213402	3284.798193	3284.678238264056	0	0
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277	32	23217	-188781.1413	812857.3170250766	39.105456132696226	-101.4644632	286901.3772	3431370.989242669	3349.474769632475	3228.627857133435	3248.082184280343	3232.800487216233	0	0
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282	32	23222	-185481.1413	812857.3170250766	39.10551979546629	-101.4528387	287906.8510070023	3431350.82158507	3225.300328	3221.2177618824935	3226.378036	3225.62784733353502	0	0
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284	32	23224	-184161.1413	812857.3170250766	39.105544946241366	-101.4481889	288309.030452776	3431342.76318064	3228.7559972061	3218.48259321904	3219.941094305825	3217.696668563394	0	2.61722725
285	32	23225	-183501.1413	812857.3170250766	39.105557454271754	-101.445864	288510.132517243	3431335.7615515	3226.48963566591	3217.1661708429927	3217.2088162707848	3217.54589432924774	0	0
286	32	23226	-182841.1413	812857.3170250766	39.10556991739734	-101.4435391	288711.226248791	3431334.704156391	3221.8851087291005	3215.8851087291005	3215.8851087291005	3215.8851087291005	1.1930309423695726	3.366678865208464
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ix	iy	x	Y.F.	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevKsg.f	BRIElevBothK.f	SatThkLog.s	SatThkBoth.f
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372	323	23312	-126801.1413	812857.3170250766	39.10647375497375	-121.2439482	306004.5097393347	433988.617402965	3290.0811880751417	3163.195272206722	3202.45522405872	0
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374	324	23314	-126741.1413	812857.3170250766	39.10649082272639	-121.2389443	306060.6519332418	433986.64249473	3198.58442252539	3161.3490064887146	3198.5808512990323	0
375	323	23315	-126741.1413	812857.3170250766	39.1064928924076	-121.2366193	306067.736965311	433976.626577847	3294.204155914327	3160.415531698467	3184.943734082792	0
376	323	23316	-123441.1413	812857.3170250766	39.10650771084852	-121.2342943	306088.8132669546	433976.2109837525	3195.4633139507905	3180.12436837304	3185.3961853964	0
377	323	23317	-122781.1413	812857.3170250766	39.10651608754974	-121.2319694	306088.8132669546	433976.2109837525	3296.459576	3158.492813611492	3175.657350647236	0
378	323	23318	-122121.1413	812857.3170250766	39.10652441934435	-121.2296444	307210.96384077705	433964.579979594	3296.06596519167	3157.50436343978	3176.778881453243	0
379	323	23319	-121461.1413	812857.3170250766	39.1065327062323	-121.2273194	307412.03884339705	433960.547658962	3296.6257415190051	3156.495504961408	3172.79087807805	0
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384	324	23324	-118161.1413	812857.3170250766	39.10657346707239	-121.2156946	308417.4110217833	433940.941	3300.635923592232	3151.228973	3150.080672782708	0
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387	323	23327	-116181.1413	812857.3170250766	39.10659738409604	-121.2087197	309020.6320681141	433928.443939941	3303.3338837796022	3147.884517	3142.8273531845957	0
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389	323	23329	-114861.1413	812857.3170250766	39.106613105244475	-121.2040697	309422.7789440403	433916.422173434	3301.61630937873	3145.584645465417	3138.1415074650786	0
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395	323	23335	-110901.1413	812857.3170250766	39.10665918912741	-121.1901198	310629.2132859394	433896.34740912	3288.680121969101	3138.4010455741677	3130.898572389022	0
396	323	23336	-110241.1413	812857.3170250766	39.10666712600564	-121.1877949	310830.285099711	433889.33428513	3287.558395966327	3137.172475246563	3131.382361850546	0
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398	323	23338	-108921.1413	812857.3170250766	39.106681624826194	-121.1831449	311232.4281682094	433884.308311499	3285.314777336965	3134.684941029477	3134.6290172879467	0
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400	324	23340	-107601.1413	812857.3170250766	39.10669738409604	-121.1784949	311674.5704957473	433878.748729713	3280.593525254627	3132.281076700945	3131.0412592777967	0
401	323	23341	-106941.1413	812857.3170250766	39.1067036536273	-121.17617	311835.6138217736	433872.273407563	3277.919958779625	3130.960024404548	3134.651354307619276	0
402	324	23342	-106281.1413	812857.3170250766	39.10671091039436	-121.173845	312007.6120837223	433868.262111528	3275.048396871295	3129.711676594364	3134.651354307619276	0
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404	324	23344	-104961.1413	812857.3170250766	39.10672582373669	-121.169195	312438.8352336783	433860.24027547	3267.505549732385	3127.224814182176	3142.3967331071094	0
405	323	23345	-104301.1413	812857.3170250766	39.1067324304737	-121.166827	312639.9328018794	433856.22935894	3263.4045145758664	3125.963918688614	3135.723591809637	0
406	323	23346	-103641.1413	812857.3170250766	39.10673947745104	-121.164545	312840.92046457	433852.11826201	3262.204717784943	3124.7502198453	3124.7502198453	0
407	323	23347	-102981.1413	812857.3170250766	39.10674506947676	-121.1622011	313042.0628273024	433848.280171685	3259.83780654138	3123.576116217212	3122.4037617616955	0
408	324	23348	-102321.1413	812857.3170250766	39.1067534315728	-121.1598951	313243.132446226	433844.19791732	3262.310511652596	3122.390813367786	3117.580935261387	0
409	323	23349	-101661.1413	812857.3170250766	39.10676043121985	-121.1575701	313444.2018386216	433840.78170955	3265.683216788955	3121.2403521419055	3114.07291647892381	0
410	323	23350	-101001.1413	812857.3170250766	39.10676732599534	-121.1552451	313645.271069504	433838.1773978	3268.055919212613	3120.1268526835424	3110.834591337767	0
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412	323	23352	-99681.1413	812857.3170250766	39.1067809809211	-121.1505951	314047.408957317	433828.158467018	3268.040482960571	3118.020503617968	3110.4378249831036	0
413	323	23353	-99021.1413	812857.3170250766	39.10678794567158	-121.148314	314269.8476654967	433824.121674	3267.6822121674	3116.904321711444	3110.4378249831036	0
414	324	23354	-98361.1413	812857.3170250766	39.10679445602545	-121.1459592	314490.5516195563	433820.13974918	3266.784240047633	3116.044371711444	3110.4378249831036	0
415	323	23355	-97701.1413	812857.3170250766	39.10680112626642	-121.1436202	314650.61484432296	433816.130672525	3265.323877667675	3115.096109346234	3091.1540751484767	0
416	324	23356	-97041.1413	812857.3170250766	39.10680751602574	-121.1412952	314851.682770486	433812.121744008	3263.25943328097	3114.25142570299	3088.3871273439253	0
417	323	23357	-96381.1413	812857.3170250766	39.1068143202862	-121.1389702	315052.7506574508	433808.11288838	3262.310511652596	3113.2175212291495	3085.6350683964383	0
418	323	23358	-95721.1413	812857.3170250766	39.10682086754676	-121.1366452	315253.81484885205	433804.10041415	3259.310526498955	3112.2615284572	3084.0113842841	0
419	323	23359	-95061.1413	812857.3170250766	39.1068278515811	-121.1343202	315454.886040873	433800.0958352	3258.04407864948	3111.341233	3084.0113842841	0
420	323	23360	-94401.1413	812857.3170250766	39.1068338038625	-121.1319952	315655.93451815	433798.078774881	3257.048894561524	3110.390987	3084.0113842841	0
421	323	23361	-93741.1413	812857.3170250766	39.1068402045923	-121.1296702	315857.0068919434	433792.07956455	3252.927019330075	3109.427438871363	3076.477780785	0
422	323	23362	-93081.1413	812857.3170250766	39.10684655048945	-121.1273452	316058.0873173836	433788.017475242	3249.368496714626	3108.477046801894	3074.500225457796	0
423	323	23363	-92421.1413	812857.3170250766	39.10685287153146	-121.1250203	316259.154600360	433784.06404237	3246.318043942397	3107.4484318281397	3072.71601280849	0
424	323	23364	-91761.1413	812857.3170250766	39.10685913760775	-121.1226953	316460.2122890406	433780.05432434	3242.77562164101	3106.425681380955	3071.156673989635	0
425	323	23365	-91101.1413	812857.3170250766	39.10686533877477	-121.1203703	316681.28779779564	433776.049492821	3239.323307379835	3105.375112073178	3069.6133051690274	0
426	323	23366	-90441.1413	812857.3170250766	39.1068715303553	-121.1180453	316892.354126591	433772.041796393	3238.6905952861	3104.291707106582	3067.714037108347	0

ix	iy	x	Y.F.	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SnkZhtfBoth.f	SnkZhtfBoth.f
47	23	4347	-43581.14133	812857.3170250766	-00.95297	331137.61661162577	4303487.960155456	4104.141238	2984.6152499505243	2915.2522731380936	2915.1957651154444	69.4269759174947	69.4194839879874
498	32	2348	-42921.14133	812857.3170250766	-00.95045	331338.6705211915	4303483.965802098	3104.858647812026	2913.9303260492215	2912.8700918775244	2912.76032615811	70.1827653628118	70.1827653628118
499	32	2349	-42851.14133	812857.3170250766	-00.94832	331538.74248169777	4303478.961169777	3097.2183102335778	2981.831621868568	2981.142177316568	2981.0494421785018	70.4894421785018	70.4894421785018
500	32	2340	-41601.14133	812857.3170250766	-00.95905	331070.776695511	4303475.9754111	3104.6325774211724	2980.15330770512	2980.704026418925	2980.64902601952	70.51203203232	70.51203203232
501	32	2341	-40941.14133	812857.3170250766	-00.94367	331941.83129291933	4303471.9808354	3092.048839	2978.683217932025	2908.643451642254	2908.4903526544927	70.7036928727355	70.128222773229
502	32	2342	-40281.14133	812857.3170250766	-00.94134	332142.88465191555	4303467.984647254	3089.465103411275	2977.21649150433	2906.7913428084	2906.936751892035	70.4245143	70.2848972584193
503	32	2343	-39621.14133	812857.3170250766	-00.9390199	332343.9374748678	4303463.992202485	3087.046265014723	2975.7697015487984	2905.499352743252	2905.367962877355	70.128222773229	70.128222773229
504	32	2344	-38961.14133	812857.3170250766	-00.936649	332544.9906773401	4303459.98812041	3084.7921473504597	2974.32809266508	2904.373852155337	2904.237190658114	69.954208101518	70.0903023793412
505	32	2345	-38301.14133	812857.3170250766	-00.93489	332746.0434531565	4303456.980428679	3082.530881796723	2972.87431899927	2902.552912795795	2902.503337	70.3451408113484	70.3451408113484
506	32	2346	-37611.14133	812857.3170250766	-00.932049	332947.049620575	4303452.01	3080.2400200846	2971.4774915289844	2900.9144855925374	2900.8159012133076	70.563205573498	70.563205573498
507	32	2347	-36981.14133	812857.3170250766	-00.9297199	333148.14848951565	4303447.01	3078.3204144723	2970.069054528665	2989.9497724104294	2989.566531528076	70.1193212	70.5025230005855
508	32	2348	-36321.14133	812857.3170250766	-00.927349	333349.2007673511	4303444.0367161	3076.658121586356	2968.67285544922	2980.728675078636	2988.3330977979134	69.89641804	70.3381757
509	32	2349	-35661.14133	812857.3170250766	-00.925068	333550.2588201226	4303440.3308473	3074.828230209965	2968.28258684126	2988.5026553138673	2988.16019625507	69.6960373025874	69.6960373025874
510	32	2340	-35001.14133	812857.3170250766	-00.9227448	333751.3043409015	4303436.3374763	3073.32624473583	2965.9172867998610	2988.9334548848475	2988.69347190147297	69.3172059850513	69.3172059850513
511	32	2341	-34341.14133	812857.3170250766	-00.9204198	333952.35662354133	4303432.04446383	3071.94766373583	2964.558586925344	2989.2278345760995	2988.9981030818605	69.466258718357	69.466258718357
512	32	2342	-33681.14133	812857.3170250766	-00.918049	334153.4082501616	4303428.051751572	3070.8553409421195	2963.2135267090116	2988.6955550272	2988.5084911652016	64.5228620627953	64.5228620627953
513	32	2343	-33021.14133	812857.3170250766	-00.915768	334354.4597	4303424.05926206	3069.765018106066	2961.8832450802762	2987.2579921129322	2986.942383334225	64.625213905305	64.625213905305
514	32	2344	-32361.14133	812857.3170250766	-00.9134448	334555.51101941057	4303418.0682639	3067.67365271033	2960.566831846933	2985.313392718793	2984.994777665266	64.252546590054	64.252546590054
515	32	2345	-31701.14133	812857.3170250766	-00.9111977	334756.562113133	4303416.07462061	3066.54287095801	2959.270530366997	2983.1849737569382	2982.925263534887	64.065586100587	64.065586100587
516	32	2346	-31041.14133	812857.3170250766	-00.907947	334957.61314142693	4303412.08281006	3064.376793507296	2957.9809587444472	2981.381107975308	2981.03896	64.9650136084376	64.9650136084376
517	32	2347	-30381.14133	812857.3170250766	-00.904697	335158.6639603763	4303408.9070947	3065.2090006569	2956.724201031673	2989.493421765847	2989.113016028997	67.4246186550967	67.4246186550967
518	32	2348	-29721.14133	812857.3170250766	-00.901447	335359.1748148576	4303404.09006424	3064.0180655088	2955.4754798919	2988.0891564253193	2987.826770818013	67.406237349591	67.406237349591
519	32	2349	-29061.14133	812857.3170250766	-00.898197	335560.2262191572	4303400.22844437	3062.847407355729	2954.2421404107873	2987.088452545012	2986.93345488475	64.9950108882664	64.9950108882664
520	32	2340	-28401.14133	812857.3170250766	-00.895947	335761.8154522404	4303396.11605544	3061.32316250512	2953.20313625061	2986.35957353525	2986.219368	64.903050052547	64.903050052547
521	32	2341	-27741.14133	812857.3170250766	-00.8927196	335962.865624169	4303391.470277255	3060.56554555614	2951.818062932178	2985.6517888815164	2985.598307	66.1608730506704	66.1608730506704
522	32	2342	-27081.14133	812857.3170250766	-00.890446	336163.915644372	4303388.13387309	3060.80946606916	2950.624723113306	2985.0758614673374	2985.0677161115123	65.5488584956673	65.5488584956673
523	32	2343	-26421.14133	812857.3170250766	-00.8875196	336364.9655002878	4303384.130172086	3060.011912788626	2948.418981194237	2984.387161	65.022249403106	65.022249403106	65.022249403106
524	32	2344	-25761.14133	812857.3170250766	-00.8850196	336566.051964137	4303380.15234651	3059.49044885059	2948.26783252663	2983.296145693713	2983.417620110325	64.91768755729172	64.91768755729172
525	32	2345	-25101.14133	812857.3170250766	-00.882698	336767.0647393835	4303376.16193088	3058.968998271956	2947.1014398448818	2982.10648696475	2982.10648696475	64.969534343634	64.969534343634
526	32	2346	-24441.14133	812857.3170250766	-00.880454	336968.177871811	4303372.171404498	3058.454464735601	2946.0146432055401	2980.60537285846	2980.390938497841	65.335170346949	65.335170346949
527	32	2347	-23781.14133	812857.3170250766	-00.8832195	337169.163	4303371.681256971	3057.606480315624	2944.786758252608	2979.205255092757	2979.180611307641	65.8802327433209	65.8802327433209
528	32	2348	-23121.14133	812857.3170250766	-00.8808495	337370.2138695053	4303364.191	3056.962738414604	2943.66375623392	2977.5750039768885	2977.6024235357093	66.313716425387	66.313716425387
529	32	2349	-22461.14133	812857.3170250766	-00.878569	337571.26128712896	4303361.201386958	3056.3169965135976	2942.489458824184	2976.1850507901936	2976.3080083764872	66.304003129202	66.304003129202
530	32	2340	-21801.14133	812857.3170250766	-00.8762445	337772.31020872053	4303356.21704461	3055.671285214768	2941.35238572434	2974.887526048043	2974.887526048043	66.571252	66.571252
531	32	2341	-21141.14133	812857.3170250766	-00.8739199	337973.35881193076	4303352.22190289	3055.385049970887	2940.207026280137	2973.76765996496	2973.7371254136908	66.6298572151545	66.6298572151545
532	32	2342	-20481.14133	812857.3170250766	-00.8715945	338174.407309692	4303348.22844437	3054.4537232151434	2939.2547132151434	2972.212896515472	2972.12896515472	66.7537489144852	66.7537489144852
533	32	2343	-19821.14133	812857.3170250766	-00.8727292	338394.35881193076	4303344.24366896	3053.751750261243	2937.90569479237	2971.203130532044	2971.08391126013	66.7034747412747	66.7034747412747
534	32	2344	-19161.14133	812857.3170250766	-00.8699444	338576.503133035	4303340.25456758	3053.405407623743	2936.75976769693	2970.1867715840976	2970.006830674448	66.5729608573422	66.5729608573422
535	32	2345	-18501.14133	812857.3170250766	-00.8664194	338777.5513365106	4303336.26581671	3055.565334052291	2935.661947765064	2969.104774031764	2969.104774031764	66.5624722188967	66.5624722188967
536	32	2346	-17841.14133	812857.3170250766	-00.8622294	338978.591959573	4303332.27144055	3055.61257542198	2934.468901091024	2968.349786271597	2968.181967312863	66.1191462268046	66.1191462268046
537	32	2347	-17181.14133	812857.3170250766	-00.859694	339179.6468	4303328.28869369	3055.298159941748	2933.325975524147	2967.0981897475127	2966.8883141293	66.092700790195	66.092700790195
538	32	2348	-16521.14133	812857.3170250766	-00.8573443	339380.6947771229	4303324.30331367	3055.7070672071	2932.174330907678	2965.731971703304	2964.79459055522	67.03552304377	67.03552304377
539	32	2349	-15861.14133	812857.3170250766	-00.8549819	339582.787677161	4303320.31587033	3055.1274882591	2931.05274882591	2964.6710325093167	2964.6710325093167	67.8470714121906	67.8470714121906
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541	32	2341	-14541.14133	812857.3170250766	-00.8506693	339983.873785436	4303312.33630743	3047.291254665163	2928.7022034043563	2955.6798889325814	2955.538444	70.0223141377488	70.0223141377488
542	32	2342	-13881.14133	812857.3170250766	-00.8483443	340184.8826	4303308.34861622	3046.195488215678	2927.5343545360406	2953.578034051167	2953.487276774491	70.0637617343981	70.0637617343981
543	32	2343	-13221.14133	812857.3170250766	-00.8460193	340385.9293318234	4303304.361146727	3046.7753132180804	2926.394380355233	2951.944894512868	2951.94851768204	70.14453454055636	70.14453454055636
544	32	2344	-12561.14133	812857.3170250766	-00.8436942	340596.9784747678	4303300.37820048	3047.03018831008	2925.764317763905	2950.4272103397316	2950.4272103397316	74.5432443660586	74.5432443660586
545	32	2345	-11901.14133	812857.3170250766	-00.841369	340798.0226219157	4303296.36695968	3046.868998271956	2924.25454562072	2948.765384	2948.765384	75.7886936809841	75.7886936809841
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Index	Lat	Long	Alt	Y.R.	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.L.T.	BREVElevKnotK	BREVElevKnotK	SeaSketchK	SeaSketchK
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624	23	23664	40288.85867/7335	812857.3170252076	39.10720976949995	-100.6576298	556670.2130941305	4329981.93196009	2925.95319811778	2811.079533822006	2778.841773568889	2779.2469287359857	32.2309758239996	31.83264246214894
625	23	23664	40288.85867/7335	812857.3170252076	39.10720695	-100.6553678	556871.2477023023	4329987.919802618	2925.9584710581	2809.49719802618	2777.78375695809	2777.94762776637	31.66592366231279	31.45469570254239
626	23	23664	41558.85867/7335	812857.3170252076	39.107204141233716	-100.6503428	557072.2871733005	4329970.649681685	2923.52433943114	2807.838895128385	2776.843945806213	2776.79423475666	30.949804322129	31.0465255162842
627	23	23667	4212.85867/7335	812857.3170252076	39.1072012910317	-100.6507178	557273.316041211	4329973.01725017	2921.00664547211	2806.24537053482	2773.10185051918	2773.01356928064	30.1429262577899	30.2317878064406
628	23	23667	4212.85867/7335	812857.3170252076	39.1072012910317	-100.6507178	557273.316041211	4329973.01725017	2921.00664547211	2806.24537053482	2773.10185051918	2773.01356928064	30.1429262577899	30.2317878064406
629	23	23667	4212.85867/7335	812857.3170252076	39.107195459505	-100.6460777	557675.387504947	4329962.6046077	2915.80576579216	2803.10182537043	2770.9014776325	2770.2020226	29.8312771077785	28.98886960323885
630	23	23670	4419.85867/7335	812857.3170252076	39.1071924709049	-100.6437427	557876.418766835	4329958.9209557	2912.01141095716	2801.54697825503	2772.9085201617445	2772.9615717189647	28.9247127553894	28.6854051033178
631	23	23671	44858.85867/7335	812857.3170252076	39.10718941053414	-100.6411477	558077.45254584833	4329954.119371358	2910.28651111064	2800.002566	2770.634530402166	2770.703221293541	29.36802240738557	29.29934496219133
632	23	23671	44858.85867/7335	812857.3170252076	39.1071863629401	-100.6399727	558278.4861853406	4329952.14661823	2907.03596232284	2786.46426513373	2767.32821185518	2767.88669287942	30.6047146581096	30.5797436
633	23	23673	4617.85867/7335	812857.3170252076	39.1071834662672	-100.6367677	558479.5196882412	4329954.17428345	2903.785467396575	2796.375847352845	2764.70457328451	2764.8869826141	32.238822602949	32.2485962522521
634	23	23674	4638.85867/7335	812857.3170252076	39.1071800265101	-100.6344427	558880.5503537574	4329942.2020319	2900.53495953554	2796.418241816215	2761.661067079444	2761.58391134187	33.7277517367704	33.82939043848364
635	23	23674	4638.85867/7335	812857.3170252076	39.1071800265101	-100.6344427	558880.5503537574	4329942.2020319	2900.53495953554	2796.418241816215	2761.661067079444	2761.58391134187	33.7277517367704	33.82939043848364
636	23	23676	4815.85867/7335	812857.3170252076	39.1071781177804	-100.6297927	559082.619373701	4329934.25826171	2894.735045576994	2792.380760014401	2758.37210413177	2758.35918214975	34.0085566122395	34.02045572300438
637	23	23677	4881.85867/7335	812857.3170252076	39.10717	-100.6274676	559283.6523235059	4329930.26864237	2891.23293504557	2788.66852680444	2758.748133411364	2758.614193930161	32.17212469800143	32.05565757838252
638	23	23678	4947.85867/7335	812857.3170252076	39.107167467262	-100.6251426	559484.681468096	4329926.31490512	2889.1692559024	2787.962225575557	2759.836059132126	2759.830024081423	31.267116623413	31.294313049074345
639	23	23679	5013.85867/7335	812857.3170252076	39.107163855872	-100.6228176	559685.7178281406	4329922.3436078	2889.675031263636	2787.857501263636	2761.6163825081	28.507013146523	28.69673630128705	28.69673630128705
640	23	23680	5158.85867/7335	812857.3170252076	39.10716105136156	-100.6204926	559886.7573472264	4329918.27382464	2893.486577495678	2786.5568221757	2762.140034381925	2762.228492241274	32.1515678582924	32.1515678582924
641	23	23681	5158.85867/7335	812857.3170252076	39.10716105136156	-100.6204926	559886.7573472264	4329918.27382464	2893.486577495678	2786.5568221757	2762.140034381925	2762.228492241274	32.1515678582924	32.1515678582924
642	23	23682	5214.85867/7335	812857.3170252076	39.10715891257173	-100.6181516	560289.4158127173	4329910.43555989	2900.51458127173	2789.450117457173	2763.101717017193	2763.101717017193	31.716979485141	31.716979485141
643	23	23683	5277.85867/7335	812857.3170252076	39.10715891257173	-100.6181516	560289.4158127173	4329910.43555989	2900.51458127173	2789.450117457173	2763.101717017193	2763.101717017193	31.716979485141	31.716979485141
644	23	23684	5343.85867/7335	812857.3170252076	39.107149566391	-100.6119126	560489.8471972346	4329906.495740084	2902.299064383186	2781.86795251776	2761.841291165867	2761.832032450374	31.706336559187	31.64792038204798
645	23	23685	5409.85867/7335	812857.3170252076	39.10714307803846	-100.6088676	560891.911069948	4329898.519	2899.682360378887	2778.84201153666	2766.325875110915	2766.41962253741	31.56823545254564	31.56823545254564
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647	23	23687	5541.85867/7335	812857.3170252076	39.1071348599746	-100.6042175	561393.97374	4329890.75853391	2897.55211236374	2775.30669878468	2766.50642546683	2766.504242236032	31.940584381991	31.9473442426533
648	23	23688	5618.85867/7335	812857.3170252076	39.1071317881791	-100.6029727	561701.91475717	4329886.9350178	2896.745911475717	2774.5911475717	2765.5911475717	2765.5911475717	31.940584381991	31.9473442426533
649	23	23689	5678.85867/7335	812857.3170252076	39.1071272466803	-100.5996775	561996.0737197345	4329882.63893377	2896.182502596214	2772.86570756563	2763.966178027341	2764.0516667083	31.950295382176	31.950295382176
650	23	23690	5738.85867/7335	812857.3170252076	39.1071233413966	-100.5972475	56197.0864	4329878.669420319	2896.54627642546	2771.520853553554	2761.5221914092314	2761.6853593334	31.950295382176	31.950295382176
651	23	23691	5808.85867/7335	812857.3170252076	39.1071194137832	-100.5949175	562098.0954589554	4329874.70034397	2896.70525664806	2770.0689133996	2758.22687207307	2758.28486830817	31.8458327373891	31.8458327373891
652	23	23692	5871.85867/7335	812857.3170252076	39.1071154046286	-100.592925	562299.130340363	4329870.73034348	2896.105113	2768.64077977484	2753.854818532186	2754.2518625897	31.7697215258285	31.7697215258285
653	23	23693	5937.85867/7335	812857.3170252076	39.1071114263967	-100.5902675	562500.1611798728	4329864.76179282	2894.5847	2767.1940764712883	2749.053905647267	2749.053905647267	31.713717066613	31.713717066613
654	23	23694	6003.85867/7335	812857.3170252076	39.10710725998746	-100.5874295	562730.191941706	4329862.79291767	2891.073827060697	2767.75286905768	2744.345822	2744.345822	31.713717066613	31.713717066613
655	23	23695	6073.85867/7335	812857.3170252076	39.107103426973	-100.5847925	562963.103121703	4329860.338186	2889.675031263636	2770.0689133996	2758.22687207307	2758.28486830817	31.8458327373891	31.8458327373891
656	23	23696	6135.85867/7335	812857.3170252076	39.107100909072379	-100.5832295	563100.257276937	4329854.55670088	2885.99417869767	2762.973175117136	2738.615753757275	2738.67894437983	31.429461816537	30.387341304714
657	23	23697	6201.85867/7335	812857.3170252076	39.1070984026975	-100.5806675	563304.283036057	4329850.88729163	2883.11292808073	2761.589704584233	2731.53175764145	2731.53175764145	31.429461816537	30.387341304714
658	23	23698	6276.85867/7335	812857.3170252076	39.1070960590909	-100.5784625	563505.3131617952	4329846.919091476	2880.23167892795	2760.217802568436	2727.7724792585	2729.44202510612	32.4454547	30.7777051425286
659	23	23699	6338.85867/7335	812857.3170252076	39.1070963426383	-100.5763175	563706.3436017206	4329842.951	2877.289436077373	2758.857290194374	2724.37271395121	2726.4717403036	31.905216232333	32.70958175408194
660	23	23700	6398.85867/7335	812857.3170252076	39.10709204612562	-100.573925	563987.3702742564	4329838.98318172	2876.294766725547	2757.1404712452616	2721.202004249474	2722.876136236404	30.3054163	34.63180788919089
661	23	23701	6458.85867/7335	812857.3170252076	39.10708815257173	-100.5715427	564279.43266777	4329834.70405359	2875.3487725432	2756.140368725432	2720.0689133996	2720.0689133996	31.8458327373891	31.8458327373891
662	23	23702	6518.85867/7335	812857.3170252076	39.10707321304384	-100.569324	564509.43266777	4329830.1780537	2874.38143053749	2754.43143053749	2714.507132026793	2714.507132026793	30.810110269948	30.810110269948
663	23	23703	6578.85867/7335	812857.3170252076	39.10706877	-100.5670174	564510.838340034	4329827.04037307	2865.17740730737	2753.51632417571	2714.43714337478	2714.43714337478	31.429461816537	30.387341304714
664	23	23704	6638.85867/7335	812857.3170252076	39.107064262671	-100.5648294	564719.1793317	4329823.1136886	2861.91036867616	2752.2064259041	2708.110022946017	2708.626297052727	31.429461816537	30.387341304714
665	23	23705	6698.85867/7335	812857.3170252076	39.1070595796125	-100.5626274	564912.520389774	4329819.13358985	2858.042968785195	2750.99681540527	2706.43934596535	2706.43934596535	31.429461816537	30.387341304714
666	23	23706	6758.85867/7335	812857.3170252076	39.10705510438286	-100.5602714	565113.5496	4329815.17946501	2855.37583387349	2749.597545173316	2703.919150386244	2703.919150386244	31.429461816537	30.387341304714
667	23	23707	6818.85867/7335	812857.3170252076	39.1070507587073	-100.5578474	565314.579410253</							

x	iy	x	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRfElevKgr.f	BRfElevBothKgr.f	SatfThKgr.f	SatfBoth.f	
9	33	23689	-365661.1413	8135137.3170250766	39.10221365586494	-102.0875305	332003.7244159141	4332659.111	360.4269415013978	3827.33698932024024	3852.098990494949	3852.2759137036475	20.2380025723531	20.061069291754848
10	33	23690	-365601.1413	8135137.3170250766	39.10223651215928	-102.0852509	332034.8834479958	4332655.032611002	381.5672398033749	3847.7084845249055	3847.7949461774505	38.234580120862515	23.262831452092515	23.262831452092515
11	33	23691	-365641.1413	8135137.3170250766	39.10236332657324	-102.0956814	332066.9414157898	4332650.94628384	389.791177582285	3843.2851128495457	3843.6722096895742	38.45404854190247	26.10048468276732	26.10048468276732
12	33	23692	-365681.1413	8135137.3170250766	39.10238800005905	-102.0855605	332067.19951775967	4332657.670820941	399.162154	3868.5017521094783	3837.910554681606	38.3830314	29.5911971317702	30.21433960278452
13	33	23693	-3656321.1413	8135137.3170250766	39.10231821166438	-102.0782319	332088.3573624656	4332642.798089169	398.206620625094	3867.225165688346	3833.707166267588	38.23350556038262	33.1799960760233	33.9901089259162
14	33	23694	-3656261.1413	8135137.3170250766	39.102337488373294	-102.0759073	3320409.514630343	4332638.72025693	397.2499762418763	3865.949328852196	3828.12145877408	38.27746847321053	37.8281370078162	38.20253356416974
15	33	23695	-3671001.1413	8135137.3170250766	39.10236210185724	-102.0735827	33242.01620445837	4332634.642599341	396.6530915287792	3867.6739915278922	3823.58471253438036	38.25505074072849	41.0886617889911	41.61891744994434
16	33	23696	-3670141.1413	8135137.3170250766	39.1023367701161	-102.071258	33411.82296792526	4332635.961514078	396.38126368707	3863.39563487338	3823.57704406373402	38.231126914	38.9820624950564	38.9820624950564
17	33	23697	-365681.1413	8135137.3170250766	39.10241124912096	-102.068834	33462.12966567524	4332636.487801159	396.6788533023196	3862.1226277889418	3827.95381687896	38.27907844271204	34.15843643479189	34.15843643479189
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19	33	23699	-359061.1413	8135137.3170250766	39.10246019846976	-102.064284	33505.25988451717	4332618.33692318	394.9403846794835	3859.571123036348	3836.903750622753	38.373407688307	22.6963186809522	22.22036342326115
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21	33	23701	-357741.1413	8135137.3170250766	39.10250896823713	-102.0596347	335417.0165898514	4332610.182772766	399.3239864713623	3857.019307933218	3838.039682344284	38.28229896029714	38.89941724024662	38.89941724024662
22	33	23702	-357081.1413	8135137.3170250766	39.10253328576755	-102.0573101	335618.76	4332606.103821457	399.5252387678113	3855.743556908808	3837.5024334889646	38.3846298182168	37.214111811043538	37.214111811043538
23	33	23703	-356421.1413	8135137.3170250766	39.10255758406852	-102.0548984	335819.92124253517	4332602.075424505	399.25115334777249	3856.467691506851	3836.54917308613	38.382958570306246	17.818518452236625	17.818518452236625
24	33	23704	-355761.1413	8135137.3170250766	39.10258179	-102.052678	336021.0761801504	4332597.951435739	399.25112244112604	3853.192174192571	3837.3707096412393	38.387390601194323	17.81240451380496	15.19610789323456
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27	33	23707	-353781.1413	8135137.3170250766	39.10265419999304	-102.0456868	336624.539456659	4332585.724149317	399.6314817917296	3845.365360525873	3830.938132350687	38.385575272939829	18.4272271189038	13.79008128275791
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33	33	23713	-349821.1413	8135137.3170250766	39.10279781547166	-102.0317387	337831.85049146214	4332561.274225551	399.2516767938167	3845.5678107298278	3825.2273886959324	38.3821148959067	21.7545047029716	17.2545047029716
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36	33	23716	-347841.1413	8135137.3170250766	39.10286901709148	-102.024747	338434.9152354807	4332549.05189887	398.343095559848	3840.5602634846864	3837.0317903391074	38.383164245249504	23.528473152779043	6.943823735166029
37	33	23717	-347181.1413	8135137.3170250766	39.1028926116988	-102.02244	338636.9667897668	4332547.97722429	398.343095559848	3840.5602634846864	3837.0317903391074	38.383164245249504	23.528473152779043	6.943823735166029
38	33	23718	-346521.1413	8135137.3170250766	39.1029162635077	-102.0201715	338824.05040777	4332545.9040777	398.343095559848	3840.5602634846864	3837.0317903391074	38.383164245249504	23.528473152779043	6.943823735166029
39	33	23719	-345861.1413	8135137.3170250766	39.10293981463404	-102.017906	339038.3691202062	4332538.83501416	397.90427953471	3834.438079644643	3830.108404400636	38.3807569565165	22.3033558608496	26.76271229948434
40	33	23720	-345201.1413	8135137.3170250766	39.10296332041975	-102.015466	339239.51989794174	4332537.75153249	397.5587338537676	3832.38235040534	3802.781951641453	38.39404290960953	30.51137819610543	30.51137819610543
41	33	23721	-344541.1413	8135137.3170250766	39.10298678587086	-102.0131413	339440.7641640525	4332528.68379567	397.27138843061	3832.027913196025	3800.015604019836	37.99272118757816	30.21230479404184	32.7557944202345
42	33	23722	-343881.1413	8135137.3170250766	39.10301020809615	-102.010816	339641.8207	4332524.01698064	396.957642886706	3830.830256112607	37.99272118757816	37.99272118757816	31.45477873017416	31.45477873017416
43	33	23723	-343221.1413	8135137.3170250766	39.10303582790598	-102.0084819	339842.9781878485	4332520.58133732	396.957642886706	3830.830256112607	37.99272118757816	37.99272118757816	31.45477873017416	31.45477873017416
44	33	23724	-342561.1413	8135137.3170250766	39.10305691255775	-102.0061674	339944.12042191307	4332516.465411562	396.957642886706	3830.830256112607	37.99272118757816	37.99272118757816	31.45477873017416	31.45477873017416
45	33	23725	-341901.1413	8135137.3170250766	39.1030793036082	-102.0038425	340025.26990780326	4332512.392981562	396.957642886706	3830.830256112607	37.99272118757816	37.99272118757816	31.45477873017416	31.45477873017416
46	33	23726	-341241.1413	8135137.3170250766	39.103103434711714	-102.0015178	340046.491330641	4332508.321	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
47	33	23727	-340581.1413	8135137.3170250766	39.10312663258293	-101.9991391	340267.5681068825	4332504.248517976	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
48	33	23728	-339921.1413	8135137.3170250766	39.10314978	-101.9968684	340484.716205109	4332500.17654401	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
49	33	23729	-339261.1413	8135137.3170250766	39.1031788891436	-101.9945437	340749.8527710798	4332496.104729455	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
50	33	23730	-338601.1413	8135137.3170250766	39.1031954848051	-101.992219	341015.167496278	4332492.03113635	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
51	33	23731	-337941.1413	8135137.3170250766	39.1032162635077	-101.9899814	341269.1536677968	4332486.16264334	395.2671672501174	3826.092546377946	37.97287024633444	37.97287024633444	31.45477873017416	31.45477873017416
52	33	23732	-337281.1413	8135137.3170250766	39.10324391481676	-101.987696	341563.3091068518	4332483.89031347	394.2768053633235	3821.9126955288123	37.97102975267363	37.97102975267363	31.45477873017416	31.45

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
135	ix	23815	-285201.1413	813517.3170250766	-10.40919918	-10.7946144	258347.6937315312	4321345.67303007	3684.409232490749	3632.2296357860128	3592.985118096227	3580.9388442193526	39.24451768978588	51.29079156669012
136	ix	23816	-281841.1413	813517.3170250766	-10.1005117539943	-10.7922896	258548.6206123144	4321345.67171242	3681.719156950595	3629.408354030895	3591.0983355450736	3579.945244582002	38.4015236851146	49.549111485
137	ix	23817	-281181.1413	813517.3170250766	-10.0503329569687	-10.7898648	258749.7437253519	4321345.6748491013	3678.0270814105616	3626.760989030672	3588.461984974164	3579.2847380545397	38.29882926	47.47610608913313
138	ix	23818	-280521.1413	813517.3170250766	-10.00549438728976	-10.787864	258915.0756326632	4321345.672042982131	3676.330605570467	3624.0158870316145	3586.317617625327	3577.62054865291	37.69820776	46.3953384032339
139	ix	23819	-279961.1413	813517.3170250766	-10.05068053046339	-10.7853152	259152.1996204431	4321345.6734665129	3675.7680418390128	3621.26283733197	3584.1969234396063	3575.773745655784	37.06593493759084	45.48912768141281
140	ix	23820	-279201.1413	813517.3170250766	-10.05087524621815	-10.7829309	259353.2547622633	4321345.67290474959	3674.282042169196	3618.5017341659072	3581.999434871324	3573.771241659824	36.5023299256824	44.72448486922485
141	ix	23821	-278541.1413	813517.3170250766	-10.105406697637	-10.7806655	259554.05143382416	4321345.6723448598	3678.828368735626	3615.732514960609	3579.187209	3571.7371540143217	35.84530621734875	43.99536089177417
142	ix	23822	-277881.1413	813517.3170250766	-10.1051254658884	-10.7783407	259755.57688349334	4321345.671896238	3680.363528370857	3612.655940749881	3576.888534744697	3569.631707038541	36.0740602438367	43.32483173053992
143	ix	23823	-277221.1413	813517.3170250766	-10.10514431129962	-10.7769159	259965.7020952519	4321345.671381847	3678.447785374157	3610.732047177514	3574.474787599048	3567.435572480683	35.8981986083588	42.73740203766829
144	ix	23824	-276561.1413	813517.3170250766	-10.10516315110864	-10.773691	260157.5270917252	4321345.6710673178	3677.36365991073	3607.36365991073	3573.008619590919	3565.32404534367	34.73784254053904	42.0557364556727
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177	ix	23857	-254781.1413	813517.3170250766	-10.10576074970485	-10.6969719	266794.8342970485	4321345.6710386773	3518.4214856702524	3516.4214856702524	3511.81099154549	3511.81099154549	35.79862859914727	37.20256895846517
178	ix	23858	-254121.1413	813517.3170250766	-10.10577698738516	-10.6946463	266995.9364511985	4321345.6710386773	3516.464407396393	3514.344012730009	3512.862026642503	3513.505201781985	35.79862859914727	37.20256895846517
179	ix	23859	-253461.1413	81										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatThkLogs.ft	SatThkBoth.ft
261	33	23941	-199341.1413	8135157.3170250766	39.10705474296562	-101.501679	283687.8656	4313636.758	3419.1129659126855	3259.09687826744	3271.4600814842852	3272.491402	0	0
262	33	23942	-198681.1413	8135157.3170250766	39.10709794142325	-101.499354	283888.964	4313622.72340586	3419.325012	3256.93170525472	3273.36389803575	3273.5502030857374	0	0
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266	33	23946	-196041.1413	8135157.3170250766	39.107112469979165	-101.4900542	284693.3553816891	4313616.583469032	3409.0283075664984	3248.6942812556645	3278.528323736914	3277.905274622066	0	0
267	33	23947	-195381.1413	8135157.3170250766	39.10713814644765	-101.4877293	284894.45298851235	4313612.549028795	3402.8582248303055	3246.739627221646	3279.805883758616	3279.81409134643	0	0
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269	33	23949	-194061.1413	8135157.3170250766	39.1071465750274	-101.4830794	285296.5669695702	4313604.480858296	3394.1428986989162	3242.8634326161524	3281.493835	3280.3821250555756	0	0
270	33	23950	-193401.1413	8135157.3170250766	39.10717389960434	-101.4807544	285487.7433781256	4313600.445728919	3374.785098327744	3241.11784849297	3281.760323839418	3280.014078303917	0	0
271	33	23951	-192741.1413	8135157.3170250766	39.1071908336787	-101.4784294	285868.386482059	4313566.412970116	3369.243129505086	3239.31995020302	3283.55598857561	3273.8123882216	0	0
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295	33	23975	-176901.1413	8135157.3170250766	39.10749265907357	-101.4226303	290525.9276694137	4313499.633093294	3302.82548182036	3206.183284048507	3205.7648397020616	3205.7648397020616	0	0
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300	33	23980	-173601.1413	8135157.3170250766	39.10755227375617	-101.4110054	291530.546450295	4313475.958128471	3336.5963243975497	3201.936757242496	3201.936757242496	3201.936757242496	0	0
301	33	23981	-172941.1413	8135157.3170250766	39.10756046305026	-101.4088084	291731.62607262	4313473.419483385	3347.30583975791596	3201.196634	3201.196634	3201.196634	0	0
302	33	23982	-172281.1413	8135157.3170250766	39.1075758054801	-101.4063555	291932.7268694143	4313471.45100835	3350.608852	3200.7848917847326	3201.523420455605	3201.523420455605	0	0
303	33	23983	-171621.1413	8135157.3170250766	39.10758961606884	-101.4038053	292176.5404534506	4313467.1898292718	3358.1868698910324	3200.397848417836	3200.397848417836	3200.397848417836	0	0
304	33	23984	-170961.1413	8135157.3170250766	39.10759916371458	-101.4017933	292334.906057939	4313463.3017333	3369.034014032596	3200.174099117078	3200.174099117078	3200.174099117078	0	0
305	33	23985	-170301.1413	8135157.3170250766	39.1076107373832	-101.3993805	292535.954942432	4313459.36660363	3329.9761679446756	3200.397848417836	3200.397848417836	3200.397848417836	0	0
306	33	23986	-169641.1413	8135157.3170250766	39.10762232925567	-101.3970555	292737.0846830516	4313451.38212804	3324.381217858216	3200.397848417836	3200.397848417836	3200.397848417836	0	0
307	33	23987	-168981.1413	8135157.3170250766	39.1076339666585	-101.3947305	292938.1738718457	4313447.351189746	3308.4926322897656	3200.397848417836	3200.397848417836	3200.397848417836	0	0
308	33	23988	-168321.1413	8135157.3170250766	39.10764534	-101.3924056	293139.2624608554	4313441.23738887	3294.48853396507	3200.397848417836	3200.397848417836	3200.397848417836	0	0
309	33	23989	-167661.1413	8135157.3170250766	39.1076565785789164	-101.3900606	293340.3510671423	4313434.25845616	3292.484466523046	3200.397848417836	3200.397848417836	3200.397848417836	0	0
310	33	23990	-167001.1413	8135157.3170250766	39.10766815146072	-101.3877556	293541.439477731	4313429.225423023	3286.4803536495894	3200				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.L.t	BRIElevLogKrg.ft	BRIElevLogKrg.ft	SurfElevLogKrg.ft	SurfElevLogKrg.ft
37	33	24067	-116181.1413	8135157.3170250766	39.10840999400821	-120.2087298	309024.64963816723	33121.29652441303	3007.7447236490087	314.2814190510051	3143.4612060623285	3147.588057973977	477998448172399	0.6531325365420264
388	33	24068	-115521.1413	8135157.3170250766	39.10841767693508	-120.2064408	309225.72276679055	33120.12533867334	3036.507762293135	3147.081655050058	3141.344634046221	3145.094264483398	5147.5941251265426	1.987629145167301
389	33	24069	-114891.1413	8135157.3170250766	39.10842516546545	-120.2047697	309426.799145645	33120.16240381687	3008.273831937414	3145.8029915958338	3138.9469915958338	3142.8049915958338	53624997548405419	3.09882348405419
390	33	24070	-114201.1413	8135157.3170250766	39.1084330806598	-120.2017547	309627.8684804254	33117.116138399	3304.30115816226	3144.70086445226	3137.00040695272	3140.667631183395	7.720550974991491	4.053233327
391	33	24071	-113541.1413	8135157.3170250766	39.10844125626394	-120.1994297	309828.94103746124	33113.5158604323	3302.3547336966524	3143.521210213073	3135.2907204834055	3137.8627632642913	8.240489726967624	4.775466848781837
392	33	24072	-112881.1413	8135157.3170250766	39.1084489565484	-120.1971046	310030.01314912766	33110.95486466093	3309.341219102407	3142.309417580033	3133.860919781108	3137.0893449334085	8.844487905	5.22007265247484
393	33	24073	-112221.1413	8135157.3170250766	39.10845661795233	-120.1947796	310231.08561491955	33110.515826246	3296.6250944288624	3141.08084795552	3132.765763269757	3135.750141056646	8.320319456621945	5.33598068905227
394	33	24074	-111561.1413	8135157.3170250766	39.10846423143184	-120.1924456	310424.1576	33110.5159203252	3293.809693617137	3139.854234834335	3132.251848437494	3137.171443243068	8.7601578000185782	5.018190425024695
395	33	24075	-110901.1413	8135157.3170250766	39.10847180003353	-120.1907299	310633.228472467	33107.546	3291.84098249718693	3138.612320356528	3131.423569794908	3132.6549913911229	8.448533596805326	5.018190425024695
396	33	24076	-110241.1413	8135157.3170250766	39.10847830636556	-120.1878705	310834.3010845762	33109.5338631105	3290.48498248353	3137.963644440294	3132.299924001352	3134.2847573477786	8.503720443	5.018190425024695
397	33	24077	-109581.1413	8135157.3170250766	39.10848590422334	-120.1854794	311035.37525371895	33109.521335099	3289.174091248656	3136.10809296199	3133.396332684001	3134.7250642323785	8.7127136611203515	1.3830050278205515
398	33	24078	-108921.1413	8135157.3170250766	39.1084923626978	-120.1831544	311236.4403819416	33105.50937807	3287.73001003139	3134.8463248290574	3134.490831188945	3135.8505912282933	8.3555116401125815	0
399	33	24079	-108261.1413	8135157.3170250766	39.1085016250918	-120.1808294	311437.51488191646	33108.497390302	3285.2079602181793	3133.579317446571	3136.6003864071393	3137.3609507860305	0	0
400	33	24080	-107601.1413	8135157.3170250766	39.108508969240496	-120.1785043	311638.5857771811	33107.04786	3281.541259772424	3132.30798989509	3139.120508805482	3140.2324312024834	0	0
401	33	24081	-106941.1413	8135157.3170250766	39.10851626836375	-120.1761793	311839.6564874946	33107.3478933038	3277.874589332674	3131.033582710967	3137.12559183444	3140.0625687476895	0	0
402	33	24082	-106021.1413	8135157.3170250766	39.1085235227568	-120.1738513	312040.7201330634	33109.662491687	3274.207568889312	3129.754477691257	3142.911411025896	3143.910514753274	0	0
403	33	24083	-105621.1413	8135157.3170250766	39.10853073188597	-120.1715292	312241.79735409084	33106.651134056	3271.09905402422	3128.481147360227	3141.648674	3142.751138032155	0	0
404	33	24084	-104961.1413	8135157.3170250766	39.1085379	-120.1692042	312442.86570187215	33104.139993899	3268.548167451759	3127.2081123589132	3137.878198960122	3138.9644024836507	0	0
405	33	24085	-104301.1413	8135157.3170250766	39.108540515775704	-120.1668791	312643.937483341	33105.742902321	3265.99723547347	3125.942556162315	3132.7557435791705	3133.595734874387	0	0
406	33	24086	-103641.1413	8135157.3170250766	39.10855200935838	-120.1645541	312845.0077171927	33105.814222225	3264.0730361969927	3124.687590380675	3127.240407335715	3128.114630760176	0	0
407	33	24087	-102981.1413	8135157.3170250766	39.10855912003288	-120.162229	313046.07888165	33104.407906084	3263.765914528534	3123.466612682154	3121.88997643848	3122.8566393030614	1.595826829757614	0.598921955139875
408	33	24088	-102231.1413	8135157.3170250766	39.10856714071921	-120.159904	313247.1426297207	33104.397128867	3266.95058289336	3122.288715113046	3119.0895007676	3117.342126886814	1.62997083537041	4.866604626904126
409	33	24089	-101571.1413	8135157.3170250766	39.10857517616569	-120.157578	313461.3368361687	33103.4368361687	3264.14098249718693	3121.47830673098	3117.47834849718693	3117.47834849718693	1.62997083537041	4.866604626904126
410	33	24090	-101001.1413	8135157.3170250766	39.10857939309729	-120.1552538	313649.248591316	33103.36771371	3263.37132349622	3119.906205745004	3117.2188003135264	3109.09500710019	1.62997083537041	4.866604626904126
411	33	24091	-100341.1413	8135157.3170250766	39.108586789649024	-120.1529289	313850.3356337943	33103.36771371	3264.260301366383	3118.8181755048076	3103.278763822685	3104.539190282914	1.62997083537041	4.866604626904126
412	33	24092	-99681.1413	8135157.3170250766	39.10859334782526	-120.1506038	314051.4221527422	33102.35897562	3272.920497696014	3117.7791792150674	3099.855304968436	3101.637944373983	1.792382718223773	1.614129741174357
413	33	24093	-99021.1413	8135157.3170250766	39.10860036	-120.1482788	314252.496596085	33102.35897562	3271.579789426356	3116.780479669472	3096.774515719217	3098.396046234493	2.005639305260589	1.614129741174357
414	33	24094	-98361.1413	8135157.3170250766	39.10860770323484	-120.1459337	314453.55898418423	331021.33791671	3270.239219032563	3115.810639724543	3093.729675666387	3095.311728	2.005639305260589	1.614129741174357
415	33	24095	-97701.1413	8135157.3170250766	39.10861670135569	-120.1436789	314652.6271266743	33101.732864509	3268.5277969212568	3114.74203703754	3092.5277969212568	3091.5277969212568	2.2287047132048437	2.2287047132048437
416	33	24096	-97017.1413	8135157.3170250766	39.108623037373	-120.1413363	314835.119332416	33100.11332416	3266.446029376989	3113.915601067076	3091.5277969212568	3089.90969690152	2.3171454529638014	2.3171454529638014
417	33	24097	-96381.1413	8135157.3170250766	39.10862648629524	-120.1389786	315056.763	33100.31095749	3264.364060548092	3112.9757967924483	3085.0410902142926	3084.0410902142926	2.57347681756693	2.57347681756693
418	33	24098	-95721.1413	8135157.3170250766	39.108633482513405	-120.1366536	315257.830636181	33100.31095749	3262.282111	3110.033237439478	3082.476568480346	3084.26367033779	2.954570859	2.769629684610564
419	33	24099	-95061.1413	8135157.3170250766	39.10863997328896	-120.1343285	315458.978978075	33100.293203788	3259.87144542613	3110.036343129076	3080.1141904256784	3081.724523799259	3.02442527039752	2.95391193280177
420	33	24100	-94401.1413	8135157.3170250766	39.108646419156194	-120.1320035	315659.952149319	33099.724802379	3257.13206584988	3110.124208508877	3077.8364943597439	3079.843214797687	3.284924934927439	3.03631065210668
421	33	24101	-93741.1413	8135157.3170250766	39.1086528011512	-120.1296784	315861.93022691953	33099.724802379	3254.3926853171023	3109.143507983347	3077.775079766753	3077.775079766753	3.36848219569478	3.19969622613505
422	33	24102	-93021.1413	8135157.3170250766	39.10865917616569	-120.127378	31602.99142120933	33099.2943913	3251.6533047463476	3107.147203703754	3077.775079766753	3077.775079766753	3.45243879175524	3.45243879175524
423	33	24103	-92421.1413	8135157.3170250766	39.10866548730785	-120.1250283	316263.1658397055	33098.36679387	3247.336712349622	3107.12560533392	3077.775079766753	3077.775079766753	3.54563734062599	3.54563734062599
424	33	24104	-91761.1413	8135157.3170250766	39.10867175341664	-120.1227033	316464.232348882	33098.125278058	3246.40267705336	3106.08767454876	3069.7219804292217	3070.363592638142	3.63479602025247	3.5172331626395
425	33	24105	-91101.1413	8135157.3170250766	39.10867797486712	-120.1203782	316665.2986817604	33097.245207119	3238.82178133977	3105.014827182694	3067.5348275485826	3068.1035657024	3.7479996341121	3.69117665761988
426	33	24106	-90441.1413	8135157.3170250766	39.108684511528416	-120.1180532	316866.364347979	33097.23789759	3236.236468092499	3103.909245820563	3064.43979481127	3063.105711846007	3.894846243363456	3.794072745755556
427	33	24107	-89781.1413	8135157.3170250766	39.10869028279278	-120.1157281	317067.4308082073	33096.129915699	3234.98813522293	3102.76563243822	3062.1094236972339	3062.1094236972339	3.96261864411028	3.96261864411028
428	33	24108	-89121.1413	8135157.3170250766	39.1086963360017	-120.1134031	317288.4960218296	33095.23473947	3232.1062677816753	3101.578913494816	3058.714352520267	3059.507497721332	4.06454219228441	4.071418672519474
429	33	24109	-88461.1413	8135157.3170250766	39.1087029176569	-120.1110738	317502.962168079	33094.4047221	3230.44654434716	3100.44654434716	3057.44654434716	3057.44654434716	4.14643849	4.14643849
430	33	24110	-87801.1413	8135157.3170250766	39.1087084796814	-120.108713	317670.6276526738	33093.57093557	3228.527576589856	3099.0587	3055.435257540027	3055.435257540027	4.23859238187454	4.23859238187454
431	33	24111	-87141.1413	8135157.3170250766	39.10871435974302	-120.1064279	317871.6920969765	33093.20370736	3215.2196051462236	3097.716658487803	3048.438057232318	3047.84378231962	4.312860125488206	4.312860125488206
432	33	24112	-86481.1413											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.	BRIElevBothKgf.	SatElevLogsKgf.	SatBothKgf.
513	33	24193	-33021.14133	8135157.3170250766	39.10904958911707	-00.9157727	334358.5540160336	3430625.240417399	3057.47274712945	2961.405114874628	2895.609403726553	2995.542973397593	65.89571095187539
514	33	24194	-33061.14133	8135157.3170250766	39.10905181355935	-00.9134476	334559.5063	3430621.2473792425	3047.45391096831	2960.098398447293	2894.013914304687	2984.011961475086	65.8650840662399
515	33	24195	-33141.14133	8135157.3170250766	39.1090539699522	-00.9111225	334760.5573959252	3430617.255559743	3073.174757590078	2958.80811212698	2892.4873300791304	2892.262972137086	65.83208113355545
516	33	24196	-33261.1414133	8135157.3170250766	39.10905613	-00.9087874	335013.6808001462	3430513.26338091	3071.6749405509652	2950.534095509652	2890.76235552135	2890.448279837065	67.05926873
517	33	24197	-30381.14133	8135157.3170250766	39.10905821743155	-00.9064724	335162.6587	3430609.271276677	3070.118465737993	2956.2764545339659	2888.949021377933	2888.655145	67.32742396
518	33	24198	-29721.14133	8135157.3170250766	39.109062223741	-00.9041473	335363.7091870698	3430565.279413098	3068.5887100112903	2955.0345322651183	2887.398678120409	2887.167502	67.3585417447936
519	33	24199	-29601.14133	8135157.3170250766	39.109062262134145	-00.9018222	335564.7596902021	3430507.28711813	3067.5643219952035	2953.8079466488302	2886.16234012793	2885.9739839404	67.6456066303743
520	33	24200	-28401.14133	8135157.3170250766	39.109064217121755	-00.8994917	335765.8096707208	3430591.26917193	3062.5960071070394	2952.5960071070394	2885.0232685551	2884.903393794996	67.56756442148844
521	33	24201	-27741.14133	8135157.3170250766	39.10906612720028	-00.897172	335966.8596716267	3430583.3048345585	3068.4206954031867	2953.4206954031867	2883.911584665281	2883.659280212454	67.53873865115772
522	33	24202	-27081.14133	8135157.3170250766	39.1090679923654	-00.894947	336177.9059127294	3430589.31364919	3055.852301771032	2950.211998576134	2882.940954296936	2882.9250523546	67.271044279377
523	33	24203	-26421.14133	8135157.3170250766	39.10906981	-00.8925219	336368.595193622	3430585.32264371	3056.02530718024	2949.037115026365	2881.83656730347	2881.860238689414	67.20045831181971
524	33	24204	-25761.14133	8135157.3170250766	39.10907159	-00.8901968	336570.8007417375	3430581.31772403	3063.92148135714	2947.671801276696	2880.560174440177	2880.726768458917	67.31216276
525	33	24205	-25011.14133	8135157.3170250766	39.1090731842296	-00.8887878	336771.0580276451	3430571.341080065	3062.8717273253404	2946.7147657052483	2879.580480978482	2879.580480978482	67.2058029973636
526	33	24206	-24441.14133	8135157.3170250766	39.10907503955816	-00.8855467	336972.1072783725	3430573.3505741805	3061.17222710936	2945.5648165809804	2878.1968133987715	2878.1563049791465	67.36800314193488
527	33	24207	-23781.14133	8135157.3170250766	39.10907664457952	-00.8832216	337173.1563211373	3430569.360272908	3060.9614723719184	2944.420868985395	2876.553141454442	2876.553141454442	67.36807721448732
528	33	24208	-23121.14133	8135157.3170250766	39.109078240204046	-00.8808965	337374.2052052817	3430565.37005181	3059.5634047686754	2943.281844	2875.11567334372	2875.2132864596107	68.11037617816783
529	33	24209	-22661.14133	8135157.3170250766	39.10907979109946	-00.8785715	337575.25390346866	3430561.380400999	3058.671635661166	2942.147159844415	2873.325888971878	2873.748902979873	68.68457940722682
530	33	24210	-21801.14133	8135157.3170250766	39.1090813	-00.8762644	337776.3042970889	3430557.390200434	3059.76735853657	2941.015726	2872.326850341889	2872.318182526345	68.11582535000603
531	33	24211	-21141.14133	8135157.3170250766	39.1090827588279	-00.8739213	337977.3509053427	3430553.404052813	3059.4455515960655	2939.8858384535843	2871.032468685373	2870.9315157092423	68.8534170620471
532	33	24212	-20481.14133	8135157.3170250766	39.10908417406071	-00.8715962	338178.391545373	3430549.411024597	3059.200015782633	2938.754556	2869.444073840662	2869.264402700266	69.150412801790479
533	33	24213	-19821.14133	8135157.3170250766	39.109085542529626	-00.8692712	338379.4472475712	3430542.41689492	3058.9548256917714	2937.6212567917714	2868.1856266524417	2868.060625424417	69.43562814932976
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535	33	24215	-18461.14133	8135157.3170250766	39.10908815283654	-00.864621	338781.542858758	3430536.54837576	3058.536257001023	2935.536257001023	2865.536257001023	2865.536257001023	69.585827188399
536	33	24216	-17841.14133	8135157.3170250766	39.1090893892085	-00.8622599	338992.5905782848	3430533.454958118	3057.1817099594547	2934.22986274218	2864.499040084258	2864.30477801758	69.72946253670004
537	33	24217	-17181.14133	8135157.3170250766	39.10908958081295	-00.8599709	339183.6380406376	3430529.46	3056.245418114406	2933.0996327147086	2862.784717903793	2862.53411932954	70.34194580176174
538	33	24218	-16521.14133	8135157.3170250766	39.10909173	-00.8576458	339384.635405874	3430525.47541249	3055.30911622337	2931.969023096813	2860.393172261073	2860.1362091129554	71.7558051522393
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541	33	24221	-14621.14133	8135157.3170250766	39.10909498794967	-00.8506796	339987.626227573	3430513.1837948	3048.26833034739653	2928.56833034739653	2852.36833034739653	2852.36833034739653	79.5107268008025
542	33	24222	-13981.14133	8135157.3170250766	39.1090954845391	-00.8483455	340188.54284528	3430509.525	3047.8067341175817	2927.40696761175817	2848.36696761175817	2848.36696761175817	79.5107268008025
543	33	24223	-13221.14133	8135157.3170250766	39.109096769912664	-00.8460204	340389.9165262985	3430505.53760416	3036.90720599956	2926.254471737709	2847.0814751572843	2847.0814751572843	78.43409761624488
544	33	24224	-12561.14133	8135157.3170250766	39.10909766408084	-00.8436953	340590.965894407	3430501.55123227	3032.977041322047	2925.092198365359	2847.0814784020424	2847.1562093518833	78.703395801347559
545	33	24225	-11901.14133	8135157.3170250766	39.10909849633991	-00.8413703	340792.0122068494	3430497.56206695	3029.046714662237	2923.920548961564	2846.17538771129	2846.286696028924	77.74501113
546	33	24226	-11241.14133	8135157.3170250766	39.10909952368939	-00.8390452	340993.0582452596	3430493.516671372	3025.167119642283	2922.738156518474	2845.795834384245	2845.82022439726	76.9173740777195
547	33	24227	-10581.14133	8135157.3170250766	39.10910002612598	-00.8367201	341194.1041664631	3430499.58884476	3022.97573556799	2921.5436530030976	2845.28169085745	2845.28169085745	76.25548391465281
548	33	24228	-9921.141327	8135157.3170250766	39.1091007236057	-00.834395	341395.14991378307	3430487.61879598	3020.351492144954	2920.351492144954	2844.791381949308	2844.791381949308	72.5744319214459
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552	33	24232	-7281.141327	8135157.3170250766	39.1091030669326	-00.8250947	342199.3313582058	3430469.65625333	3017.684837635074	2915.7415009482935	2861.25427990914	2861.308521	54.09328195737953
553	33	24233	-6621.141327	8135157.3170250766	39.1091037367838	-00.8227696	342400.3733618906	3430465.673059793	3016.557152909116	2914.60157152909116	2860.525479184985	2860.525479184985	48.476783986166456
554	33	24234	-5961.141327	8135157.3170250766	39.10910397	-00.8204446	342601.4212	3430461.845663082	3012.3021029467487	2912.7028984437	2859.89709044077	2859.89709044077	42.9631680479569
555	33	24235	-5301.141327	8135157.3170250766	39.1091043262105	-00.8184621	342781.542858758	3430457.62022724	3011.47485132875784	2911.47485132875784	2858.74485132875784	2858.74485132875784	38.140217
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557	33	24237	-3981.141327	8135157.3170250766	39.1091048052693	-00.8134693	343204.554703336	3430449.72817052	3005.97657986263	2908.800965551315	2859.6830427280224	2859.6830427280224	29.2014782109068
558	33	24238	-3321.141327	8135157.3170250766	39.1091052896608	-00.8111443	343405.5989130019	3430445.734049805	3007.4665271146305	2907.4665271146305	2858.00353625701	2858.00353625701	26.767809674805
559	33	24239	-2661.141327	8135157.3170250766	39.109105432496015	-00.8088192	343606.6290702275	3430441.75809297	3002.6276851751	2906.170608945665	2857.061194320717	2857.061194320717	25.6043117339342
560	33	24240	-2001.141327	8135157.3170250766	39.10910599111675	-00.806491	343780.6889	3430437.73	3024.929375409327	2904.783767649234	2877.01202941123	2877.01202941123	27.99467978098702
561	33	2424											

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogsKrg.f	BREVEBothKrg.f	SatHtLogs.f	SatHtBoth.f
639	23	24319	5018.85867307335	11.815171370250766	39.108976209196335	-10.6228133	598689.6912751163	4330123.506036986	284.5659194376203	2781.3750097796315	2761.5215025	26.4080511	26.271008784572132
640	23	24320	5018.85867307335	11.815171370250766	39.10897278	-10.6240882	598689.723486785	4330119.530488272	289.8329645503016	2786.2669534985707	2762.6510365333368	27.6732777746165	23.81591496523387
641	23	24321	5018.85867307335	11.815171370250766	39.10896282696932	-10.6181631	598691.75388265683	4330115.0009602854	2784.2547145343702	2783.686847269811	2783.7897382332316	21.986154067296116	20.855033293349573
642	23	24322	52118.85867307335	11.815171370250766	39.1067558267	-10.61504478	26983.26278935241	4330113.504274789	2904.3675357348193	2764.8416604160777	2764.764303809304	18.6046771187248	15.81629444
643	23	24323	52778.85867307335	11.815171370250766	39.10896223036625	-10.613153	360483.8194804905	4330107.625062638	2905.3193866177812	2781.742534533135	2765.5051198605585	16.2374237105506	16.090927230456068
644	23	24324	50438.85867307335	11.815171370250766	39.1089588956173	-10.6111879	360684.851776518	4330105.626026423	2903.95307539427	2780.2430027463447	2766.390136213675	17.832582912477324	13.74796176867585
645	23	24325	54098.85867307335	11.815171370250766	39.10895483090903	-10.6088628	360985.88347214786	4330099.684026881	2902.594284218041	2778.7481808388516	2767.099564365126	11.6486240333895	11.53902202040383
646	23	24326	54758.85867307335	11.815171370250766	39.1089512273458	-10.6065378	361096.9150317834	4330090.70178314	2901.2342621600027	2767.2583502005227	2767.521179270084	17.873170930438979	9.643029476
647	23	24327	55418.85867307335	11.815171370250766	39.10894747887385	-10.6042127	361297.846456762	4330091.738897295	2900.24094110857	2775.73304977638	2779.5466656871577	17.876006388980284	17.876006388980284
648	23	24328	56078.85867307335	11.815171370250766	39.10894385493394	-10.6018676	361488.747772919	4330097.759837789	2899.611776256442	2774.289454843487	2786.775498338732	17.319651556172	17.52097096
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650	23	24330	57398.85867307335	11.815171370250766	39.10893596405081	-10.5972735	361901.039265104	4330079.830299273	2894.34346552244	2771.3380349744924	2762.900871985405	8.43721246519287	8.347647512
651	31	3031	58058.85867307335	11.815171370250766	39.10893203589704	-10.5949124	362102.07081421174	4330075.860824724	2896.94431715729	2769.878032181592	2759.541582511292	10.33522070687403	10.123396027087819
652	33	24332	58718.85867307335	11.815171370250766	39.10892806282725	-10.5925874	362303.1015689723	4330071.89150473	2894.7061667059085	2768.427566436351	2754.423532	17.54840152596516	13.626513047334401
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656	33	24336	61358.85867307335	11.815171370250766	39.10891171271302	-10.5832871	363107.223255785	4330056.015805407	2884.39198871245	2762.7530011379923	2734.717834404265	23.7581667697721	24.765650710886173
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658	33	24338	62678.85867307335	11.815171370250766	39.10890302817089	-10.578637	363509.2830270026	4330048.07896421	2878.10024	2759.98836419078	2726.59327570529	23.7356270138066	31.33652603734083
659	33	24339	63338.85867307335	11.815171370250766	39.10889899	-10.5763119	363710.3127142752	4330040.11780969	2875.19427203307	2758.62436884474	2723.186851050139	24.5713614669054	33.48849015489986
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661	33	24341	64658.85867307335	11.815171370250766	39.1088902959582	-10.5715416	364127.7448778953	4330034.608211884	2865.054944193305	2756.3848429173402	2699.384965137949	27.7897143491915	47.32423268394195
662	33	24342	65318.85867307335	11.815171370250766	39.10888582736514	-10.5693367	364313.4011711709	4330032.207299448	2867.194574830245	2754.59852458723	2713.615353133105	17.16269675551676	40.98322111567179
663	33	24343	65978.85867307335	11.815171370250766	39.10888139572343	-10.5670117	364514.431109877	4330027.23777747	2864.212692931087	2753.7566818068	2710.5291410620102	27.1733755054836	42.5559311062324
664	33	24344	66638.85867307335	11.815171370250766	39.10887683801564	-10.5646866	364715.4602770283	4330024.272	2860.911294	2751.9614027266325	2707.537273230206	27.9494916	44.402412900336586
665	33	24345	67298.85867307335	11.815171370250766	39.10887232697904	-10.5623616	364916.8891319825	4330020.305276407	2857.611959516988	2750.652264915584	2706.8252494915553	40.5528912913119	43.82901259633127
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667	33	24347	68618.85867307335	11.815171370250766	39.10886307983841	-10.5577714	365315.847	4330012.74446422	2850.3948429173236	2748.3848429173236	2699.384965137949	27.7897143491915	50.9048654790055
668	33	24348	69278.85867307335	11.815171370250766	39.10885978702515	-10.5554864	365519.753767261	4330007.4779902	2848.05192718427	2747.58095184366	2697.23961747004	48.4511931712923	54.229413712923
669	33	24349	69938.85867307335	11.815171370250766	39.10885360560696	-10.5530613	365720.6015157955	4330004.438	2848.158173700533	2745.498432909753	2695.2742167400435	50.26806351983447	50.26806351983447
670	33	24350	70598.85867307335	11.815171370250766	39.1088488918653	-10.5507362	365921.6325362701	4330000.47915765	2847.755283798634	2744.221834501883	2693.49069675591	50.0753760403242	50.1731737629207
671	33	24351	71258.85867307335	11.815171370250766	39.1088440429346	-10.5484112	366122.6607961094	4329996.506	2846.771596143721	2742.9487701411235	2691.739846014087	51.208224071322216	49.7237987580192
672	33	24352	71918.85867307335	11.815171370250766	39.10883917111686	-10.5460861	366323.68915045	4329992.53973026	2845.771994584272	2741.675377017497	2690.0787572617896	50.2910201093055	50.4188699363572
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674	33	24354	73238.85867307335	11.815171370250766	39.10882920459582	-10.541406	366725.7448778953	4329994.608211884	2845.054944193305	2739.128890929162	2689.384965137949	52.8921713491915	51.743301712923
675	33	24355	73898.85867307335	11.815171370250766	39.10882428868171	-10.5391108	366926.7726154766	4329980.42981328	2846.61731939638	2737.851621271134	2684.617621912737	52.8921713491915	52.8921713491915
676	33	24356	74558.85867307335	11.815171370250766	39.10882197355165	-10.5367859	367127.8002243446	4329976.67481666	2838.81773696003	2736.59321339323	2682.626741194964	52.8921713491915	52.8921713491915
677	33	24357	75218.85867307335	11.815171370250766	39.10881414211997	-10.5344608	367328.7224704541	4329972.712322461	2835.28056691565	2680.9317705473277	2680.9317705473277	53.1325713734222	53.1325713734222
678	33	24358	75878.85867307335	11.815171370250766	39.1088090147614	-10.5321358	367529.8505566457	4329968.74733017	2830.876088446927	2733.988220837338	2679.239435349503	54.74938549	53.72191327646414
679	33	24359	76538.85867307335	11.815171370250766	39.10880381592365	-10.5298107	367730.8828025855	4329964.782059189	2827.7711984740066	2732.688028229291	2678.271745375814	54.74938549	54.74938549
680	33	24360	77198.85867307335	11.815171370250766	39.1087958542395	-10.5274857	367911.9056749837	4329961.87484538	2825.532254687761	2731.36316805177	2676.6129439936335	54.74938549	54.74938549
681	33	24361	77858.85867307335	11.815171370250766	39.10879178981436	-10.5252855	368133.961551805	4329952.8903123	2821.054375412173	2728.7590405243795	2674.491977	54.74938549	54.74938549
682	33	24362	78518.85867307335	11.815171370250766	39.10878798914321	-10.5230515	368334.98197851	4329948.97893332	2819.63206465178	2727.442740796837	2673.422240140907	54.74938549	54.74938549
683	33	24363	79178.85867307335	11.815171370250766	39.10878262465187	-10.5205105	368534.9898978507	4329948.97893332	2819.63206465178	2727.442740796837	2673.422240140907	54.74938549	54.74938549
684	33	24364	79838.85867307335	11.815171370250766	39.10877721453187	-10.5181854	368736.0164853368	4329944.96809739	2819.63206465178	2727.442740796837	2673.422240140907	54.74938549	54.74938549
685	33	24365	80498.85867307335	11.815171370250766	39.10877175927575	-10.5158604	368937.0429047044	4329940.97069347	2818.40279758462	2724.80872958462	2671.126070443493	54.74938549	54.74938549
686	33	24366	81158.85867307335	11.815171370250766	39.10876625961504	-10							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt	BREIEvLogKrg.ft	BREIEvbothKrg.ft	SatHtLogKrg.ft	SatHtbothKrg.ft	
25	34	24445	-35501.1413	814177.3170250766	39.10441843242162	-102.0503671	236226.3129030614	4323795.1589740915	3985.234525031081	3815.4793809841412	3833.466318176803	3837.3140615246175	13.1531280733843	14.165769850523744
26	34	24446	-35441.1413	814177.3170250766	39.10444257098036	-102.0480424	236427.467141419965	4323782.0526549385	3984.922692890442	3850.208690373241	3832.5910752095385	3836.6125709503858	17.338902303444427	13.5917907831657409
27	34	24447	-35379.1413	814177.3170250766	39.10446664640986	-102.0458278	236624.63112381913	4323787.907	3985.42038571817024	3829.63037049235445	3835.36307049235445	3838.26307049235445	12.938020814673984	12.91882136887772
28	34	24448	-35311.1413	814177.3170250766	39.10449071340335	-102.0433299	236829.7748421255	4323792.914340465	3987.7932257250054	3847.666201253704	3829.151105306765	3835.0232513274244	15.9601196514819	12.64290329681618
29	34	24449	-35246.1413	814177.3170250766	39.10451471726749	-102.0410682	237030.9282993234	4323778.85032296	3988.1416683329968	3846.402633814444	3827.4909780372295	3835.8651980107693	18.911655744214386	12.53743577067462
30	34	24450	-35180.1413	814177.3170250766	39.104538676233346	-102.0387435	237232.08149561455	4323784.786926996	3989.491288732983	3845.1451288732983	3825.609304309526	3832.3621381648277	19.53573546	12.59378407470604
31	34	24451	-35114.1413	814177.3170250766	39.104561269031271	-102.0364187	237433.23453120078	4323770.70544116	3988.55658189018	3843.893651588694	3823.756278746033	3832.14142903515	20.7937284280168	12.477058885179146
32	34	24452	-35048.1413	814177.3170250766	39.10458645948179	-102.034004	237634.3872	4323766.63495701	3983.33763525811	3842.648155285315	3821.8527061916307	3832.4871617175285	20.7934490936841	10.49942636779687
33	34	24453	-34982.1413	814177.3170250766	39.10461028375245	-102.0317693	237835.536821383	4323762.556477215	3984.178912446598	3841.408580755949	3819.817768090544	3834.27625853272	21.598812749197084	13.517511723891585
34	34	24454	-34916.1413	814177.3170250766	39.104634053124535	-102.0294445	238036.8971758346	4323758.40081169	3979.901689644447	3840.1751599221	3817.598648	3834.44216082183	22.57658145711008	5.7288991009699
35	34	24455	-34850.1413	814177.3170250766	39.1046577595829	-102.027118	238237.8436708106	4323754.405410355	3977.629187730905	3838.94792077067	3815.3854207103636	3834.553281397353	23.56203390377535	4.394643430324261
36	34	24456	-34784.1413	814177.3170250766	39.104681487173394	-102.0247951	238438.9953058317	4323750.324261317	3978.49496074805	3837.7268978783395	3813.0719512319974	3830.917540479684	24.8546464632407	6.809357399
37	34	24457	-34718.1413	814177.3170250766	39.10470513184896	-102.0224703	238640.16688155485	4323746.258124004	3979.2977325374862	3836.511952203476	3810.6471714752047	3824.76774978801	25.86478072827913	11.74415143468298
38	34	24458	-34652.1413	814177.3170250766	39.1047281362771	-102.0201456	238841.29779992504	4323742.184174095	3980.1005447212104	3835.30435955425	3808.0226812212064	3807.27681319743005	27.27681319743005	17.24024621242032
39	34	24459	-34586.1413	814177.3170250766	39.104752266506844	-102.0178208	239042.44769553709	4323738.11096378	3978.6146881455226	3834.101303694897	3805.543679	3811.326878737678	28.55762497732576	22.77462497732576
40	34	24460	-34520.1413	814177.3170250766	39.10477576487246	-102.0154861	239243.5992538032	4323734.03679149	3974.840283812594	3832.305304304766	3802.26211302586	3807.731469	30.64321770051799	25.137884154636653
41	34	24461	-34454.1413	814177.3170250766	39.10479926156884	-102.013173	239444.7496376658	4323729.93	3971.0658790169828	3831.715348430668	3799.30932052764	3803.818711988105	32.41416137790422	27.8963643256335
42	34	24462	-34388.1413	814177.3170250766	39.10482261751635	-102.0108466	239645.8996751952	4323725.89098327	3967.291474452726	3830.51182818033	3796.111073446416	3794.489574391145	34.12456943179145	31.045730712307886
43	34	24463	-34322.1413	814177.3170250766	39.10484660730554	-102.0085219	239847.04983851	4323721.817010321	3964.381556082384	3829.352117955735	3792.9149863297794	3794.034732878696	35.3143162957351	35.3174684788329
44	34	24464	-34256.1413	814177.3170250766	39.10486938742065	-102.0061971	240048.1990635817	4323717.74400494	3962.336192380656	3828.173863620865	3792.967194620505	3797.723441415253	35.210767048809324	30.4546967034058
45	34	24465	-34190.1413	814177.3170250766	39.10489279260544	-102.0038724	240249.34890761772	4323713.67135185	3960.296917340324	3827.010090819874	3793.163164932713	3794.040708690412	33.84682604903574	29.966020128087116
46	34	24466	-34124.1413	814177.3170250766	39.10491597349354	-102.0015476	240450.4874205972	4323709.59	3958.245632237678	3825.85431100492	3792.52689622696	3793.744911311437	33.84682604903574	29.966020128087116
47	34	24467	-34058.1413	814177.3170250766	39.10493926149281	-101.9994099	240655.532618383	4323705.62813687	3956.245632237678	3824.734523734587	3791.89785733963	3794.09785733963	33.84682604903574	29.966020128087116
48	34	24468	-33992.1413	814177.3170250766	39.1049625597309	-101.996881	240852.7947701701	4323701.454155572	3954.98537896029	3823.623294130714	3788.703455003524	3786.73783392322	37.9159312854721	27.3205158
49	34	24469	-33926.1413	814177.3170250766	39.1049853856012	-101.9945733	241053.9430255945	4323697.382101632	3953.499208403173	3822.51505280386	3781.96264031515	3785.732943630236	37.9159312854721	27.3205158
50	34	24470	-33860.1413	814177.3170250766	39.10500842658058	-101.9924486	241255.09104720198	4323693.31202014	3952.009637946057	3821.40713876114	3778.05975739588	3777.618107741	37.9159312854721	27.3205158
51	34	24471	-33794.1413	814177.3170250766	39.10503144294202	-101.9899238	241456.2388	4323689.1327162	3949.54562969758	3820.296739847782	3774.661138475115	3771.8180476142734	45.63560137206704	48.478692350881
52	34	24472	-33728.1413	814177.3170250766	39.1050544113405	-101.9875991	241657.38623009982	4323685.16697314	3946.101497357328	3819.181646133716	3772.0032112542643	3767.8396108311294	47.1784339142533	51.34230532052819
53	34	24473	-33662.1413	814177.3170250766	39.10507794406281	-101.9852745	241858.5336727105	4323681.650993144	3943.650323767878	3816.95187476804	3768.845115981684	3765.16851046132	48.31648597631762	53.0449272
54	34	24474	-33596.1413	814177.3170250766	39.105100221620216	-101.982949	242059.880924624	4323677.01416222	3941.181671989214	3815.917695241983	3768.19052720516	3765.19052720516	49.865169720516	54.760871
55	34	24475	-33530.1413	814177.3170250766	39.1051235831422	-101.9806248	242260.8273085313	4323673.93396511	3935.802490440099	3815.807032411893	3768.9059324739505	3760.690336952727	49.865169720516	54.760871
56	34	24476	-33464.1413	814177.3170250766	39.10514584990878	-101.97873	242461.9737923482	4323678.82546881	3934.51539064472	3814.665897181857	3765.561915320785	3760.690336952727	49.865169720516	54.760871
57	34	24477	-33398.1413	814177.3170250766	39.10516859603875	-101.9759752	242663.1022259992	4323674.81873128	3929.020708680514	3813.507373098653	3764.893071987236	3755.7400374549853	48.6090984811472	57.766439588002
58	34	24478	-33332.1413	814177.3170250766	39.1051912393941	-101.9736505	242864.266	4323670.741	3925.64205829528	3812.32458692297	3763.84807862209	3752.86523246857	46.500759951284	59.548754404861294
59	34	24479	-33266.1413	814177.3170250766	39.10521395529542	-101.9713257	243065.4117595974	4323666.610388712	3922.719618074453	3811.105963662386	3762.675627370879	3749.139836	48.42332657094073	61.96953692119404
60	34	24480	-33200.1413	814177.3170250766	39.10523657271778	-101.969009	243266.56190147	4323662.00880144	3920.26118732412	3809.851491525126	3761.07228938033	3749.139836	48.42332657094073	61.96953692119404
61	34	24481	-33134.1413	814177.3170250766	39.1052591343851	-101.9666761	243467.702302784	4323658.430885124	3918.958761075993	3808.538764184505	3760.152459209589	3748.1548001393263	48.38831127495137	62.93836394617894
62	34	24482	-33068.1413	814177.3170250766	39.10528165658554	-101.9643514	243668.8473452451	4323654.461079244	3915.344927545107	3807.157730750025	3758.941431642222	3742.02148506291	48.2162910390307	65.11532257347438
63	34	24483	-33002.1413	814177.3170250766	39.10530413388282	-101.9620266	243869.9920473657	4323650.43371197	3912.67607575709	3805.695656848936	3757.74427487711	3737.8865910510724	47.95138206	67.7085829
64	34	24484	-32936.1413	814177.3170250766	39.10532656628034	-101.9597018	244071.136494845	4323636.322	3909.780197954071	3804.133605124251	3757.0793683786693	3746.05959901361	47.0639214	70.23837545211274
65	34	24485	-32870.1413	814177.3170250766	39.10534985378034	-101.957377	244272.28068861197	4323632.2566978	3908.87988352506	3802.49790922359	3756.09780324908	3728.5785991865	45.90390189682744	73.92117926
66	34	24486	-32804.1413	814177.3170250766	39.1053712963758	-101.9550523	244473.442682808	4323628.18344403	3906.979767502103	3801.3934204507	3755.07094531023	3748.492712051433	44.776629894274434	76.270129936305
67	34	24487	-32738.1413	814177.3170250766	39.10539401896958	-101.952745	244674.5685157417	4323624.144838514	3904.98198243814	3800.47198243814	3754.198243814	3747.198243814	44.776629894274434	76.270129936305
68	34	24488	-32672.1413	814177.3170250766	39.10541584887176	-101.9504027	244875.71953369	4323620.054810261	3903.89878442759	3797.067301378	3754.37137736207	3742.02228859002	44.0934231417748	44.64501327387912
69	34	24489	-32606.1413	814177.3170250766	39.1054386476973	-101.9480779	245076.8543042017	4323615.97704282	3902.881285544666	3795.130203297534	3754.296168142529</			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThkLogs.ft	SatThkBoth.ft
151	34	24571	-271941.1413	814177.3170250766	39.10710630394196	-101.757441	261569.75482640417	432282.936811081	3623.891311667301	3567.941024825164	3566.272581137007	3550.1842139011533	31.668443688156913	37.75681092401055
152	34	24572	-271281.1413	814177.3170250766	39.10712476503274	-101.7551161	261770.727779673	432278.88227072	3622.40612	3565.1109377773	3562.863311158387	3547.231661087957	32.24678261955014	37.8743268977344
153	34	24573	-270621.1413	814177.3170250766	39.107143221161126	-101.7582191	261972.068926688	432274.83819235	3622.919143214996	3562.271082108446	3562.4216589459065	3544.038816238619	32.84851165889408	38.23529197303078
154	34	24574	-269961.1413	814177.3170250766	39.10716161241618	-101.7504663	262173.1288776916	432270.7174104988	3622.432159148599	3579.426954806588	3548.0511072548058	3540.4551072548058	33.0751482258513	38.9718004343523
155	34	24575	-269301.1413	814177.3170250766	39.10717968676775	-101.7481414	262374.250246572	432266.720279525	3616.3307153407413	3576.574527588916	3542.16929022654	3537.4199562621331	33.24723733331747	39.15453189664271
156	34	24576	-268641.1413	814177.3170250766	39.10719826	-101.7458165	262575.36686435	432262.66626459	3604.6183711897254	3573.71472430116	3540.205779001167	3534.5380473330926	33.40582543309236	39.17665123646471
157	34	24577	-267981.1413	814177.3170250766	39.10721651676093	-101.7434916	262776.4878133278	432258.614334364	3592.8898935041954	3570.847469	3536.534571220151	3531.8737639395986	33.412897390848775	38.973740671401265
158	34	24578	-267321.1413	814177.3170250766	39.10723478402474	-101.7411667	262977.610205538	432254.59832655	3581.1830050112994	3567.977273530403	3534.11426236503	3531.4278299890304	33.84132682190011	39.16814324369816
159	34	24579	-266661.1413	814177.3170250766	39.10725289514081	-101.7388416	263178.7314632756	432250.50683543	3578.815153988184	3565.991873593698	3530.27108628968226	3528.031121408878	34.2210052926426	39.18210052926426
160	34	24580	-266001.1413	814177.3170250766	39.10727101698429	-101.7365189	263379.8525871804	432246.453723975	3576.31711225299	3562.2043461580342	3529.3690898900056	3526.742618317025	32.83537267338635	39.45064832088193
161	34	24581	-265341.1413	814177.3170250766	39.1072890391548	-101.734192	263580.937311765	432242.40092788	3572.7754832770743	3559.3097595265627	3528.6971567762307	3525.7621461832585	33.60126027633558	33.547613342136174
162	34	24582	-264681.1413	814177.3170250766	39.107307125943194	-101.7318671	263782.093931584	432238.348303558	3585.756552574496	3556.4801394149994	3527.453387154626	3524.973566220153	28.95475226037425	31.4297872792984042
163	34	24583	-264021.1413	814177.3170250766	39.10732511306732	-101.7295422	263983.21425345184	432234.29560575	3592.262458744712	3553.498891030354	3526.63954384313	3524.715917404522	26.85934721952253	28.782973658513583
164	34	24584	-263361.1413	814177.3170250766	39.10734305287856	-101.7272713	264184.3343419741	432230.14593632	3602.295893695615	3550.5819324730337	3526.101815812877	3523.915202437033	24.880116641746008	29.329912157607396
165	34	24585	-262701.1413	814177.3170250766	39.10736092604814	-101.7248824	264385.4549711607	432226.194569329	3612.2339258484113	3547.657286219727	3525.4971995805348	3523.01338985197	22.16009116692263	23.74087836730147
166	34	24586	-262041.1413	814177.3170250766	39.10737880501815	-101.7225765	264586.578193051	432222.139521252	3622.362784	3544.72491094507	3524.8901287371423	3523.1255611616387	19.83478220536173	18.59934780870726
167	34	24587	-261381.1413	814177.3170250766	39.10739661252773	-101.7202425	264787.892086138	432218.08774564	3625.869886282483	3541.784870105917	3524.214906436347	3523.23856255727	17.569965574244634	16.54630458902452
168	34	24588	-260721.1413	814177.3170250766	39.1074143513363	-101.7179176	264988.8126352894	432214.01592524	3538.9199665970	3538.836926791791	3523.542379753096	3524.2638831515267	15.69454730894873	14.57304297607634
169	34	24589	-260061.1413	814177.3170250766	39.10743209283578	-101.7155927	265189.931286537	432209.94735519	3519.96707170523	3535.880897170321	3522.985020905556	3523.5880198642082	12.895966263764876	12.291967306112388
170	34	24590	-259401.1413	814177.3170250766	39.10744976563418	-101.7132678	265391.04989156347	432205.93438287	3617.002017576751	3532.917083283727	3522.240487803906	3522.591170879942	10.76659547996636	10.325972403930791
171	34	24591	-258741.1413	814177.3170250766	39.10746783940192	-101.709429	265592.186484157304	432201.88240255	3614.563874880884	3529.945137394895	3521.6468578874626	3521.8278112500416	8.480279504747222	8.117956144883451
172	34	24592	-258081.1413	814177.3170250766	39.10748497651944	-101.708818	265793.286697676	432197.814334928	3612.65289989527	3526.9651159215773	3520.686765236856	3521.28372232638	6.3963064713349	5.681345089838732
173	34	24593	-257421.1413	814177.3170250766	39.10750264746829	-101.7072619	265994.04669554	432193.7677229	3608.674616802137	3524.8474771716694	3519.7270327110585	3519.324243785734	4.12837804776468	4.12837804776468
174	34	24594	-256761.1413	814177.3170250766	39.10752007778919	-101.703961	266195.52243153026	432189.731802905	3604.83001206604	3520.981036827887	3519.064484986894	3519.789063041534	1.915551694093257	1.9191202883451
175	34	24595	-256101.1413	814177.3170250766	39.10753745606817	-101.7016432	266396.8659265336	432185.67934936	3600.50398026803	3517.977022966224	3518.2862171103397	3519.904140231384	0	0
176	34	24596	-255441.1413	814177.3170250766	39.1075548944316	-101.6993183	266597.572685168	432181.6295709815	3597.763204957441	3514.9652582211893	3515.55296953896	3518.69249186688	0	0
177	34	24597	-254781.1413	814177.3170250766	39.107572217914154	-101.6969934	266798.87340471995	432177.758	3591.022429088319	3511.964208259892	3516.9977337877225	3515.829178722007	0	0
178	34	24598	-254121.1413	814177.3170250766	39.107589531481096	-101.6946685	266999.991823368	432173.52963561	3584.2816523119973	3508.922311844455	3516.4440832021147	3517.555679473069	0	0
179	34	24599	-253461.1413	814177.3170250766	39.107606830914386	-101.692348	267201.1073757795	432169.48	3586.6746216802137	3507.81923625571	3515.319343137861	3515.191834378684	0	0
180	34	24600	-252801.1413	814177.3170250766	39.10762443290272	-101.6900186	267402.1674022242	432165.430318184	3598.220291963076	3502.89152438876	3515.9125718474834	3517.1440077963823	0	0
181	34	24601	-252141.1413	814177.3170250766	39.10764120275734	-101.6878937	267603.3462537377	432161.381025683	3604.7295472818425	3499.818565692678	3516.04839240329	3517.30146144457	0	0
182	34	24602	-251481.1413	814177.3170250766	39.107658338677078	-101.685388	267804.45624706836	432157.31830897	3614.258600502725	3496.768998201871	3516.48264224743	3517.17185402685	0	0
183	34	24603	-250821.1413	814177.3170250766	39.10767542575402	-101.6830438	268005.5719388765	432153.283	3616.7948425591955	3493.7087282184793	3517.145212254955	3518.35271051332	0	0
184	34	24604	-250161.1413	814177.3170250766	39.10769246989602	-101.6807189	268206.6874012519	432149.23955543	3612.342444781254	3490.640754587767	3517.974661443584	3519.127269906382	0	0
185	34	24605	-249501.1413	814177.3170250766	39.10770949313373	-101.678394	268407.802354519	432145.18274956	3607.893933001325	3487.56287253901	3516.445851304043	3518.6203984598	0	0
186	34	24606	-248841.1413	814177.3170250766	39.10772643237952	-101.676069	268608.9177229	432141.13675759	3608.914277116694	3485.4747771416694	3515.3270327110585	3519.324243785734	0	0
187	34	24607	-248181.1413	814177.3170250766	39.10774333287627	-101.6737441	268810.0324141003	432137.08842794	3602.45254605073	3481.758268688343	3516.5508243050598	3517.55618204598	0	0
188	34	24608	-247521.1413	814177.3170250766	39.10776019742098	-101.6714192	269011.147	432133.400216497	3598.903270087213	3478.27445315064	3513.059112883463	3514.119448023707	0	0
189	34	24609	-246861.1413	814177.3170250766	39.10777707104131	-101.6690942	269212.2612801592	432129.892266416	3582.3634955926416	3475.16231369161	3508.20318	3509.5459729635074	0	0
190	34	24610	-246201.1413	814177.3170250766	39.10779379175722	-101.6667693	269413.3753707414	432124.94442694	3574.823964205149	3472.042327420766	3507.970473712692	3504.894787992783	0	0
191	34	24611	-245541.1413	814177.3170250766	39.10781052156866	-101.6644444	269614.892343008	432120.89693024	3567.678903477177	3468.914582137292	3507.3149935148845	3498.987518202737	0	0
192	34	24612	-244881.1413	814177.3170250766	39.10782724634324	-101.6621194	269815.6026834324	432116.845303925	3560.39251954564	3465.7917586099	3492.06649	3493.66230297261	0	0
193	34	24613	-244221.1413	814177.3170250766	39.107844274349626	-101.659846	270016.1281967982	432112.8919897862	3558.1723693878962	3464.173623978692	3489.18324322177	3490.191343785734	0	0
194	34	24614	-243561.1413	814177.3170250766	39.107860944	-101.6574696	270217.8294558904	432108.754861126	3547.427148	3459.485782833945	3482.55298864477	3484.245320279545	0	0
195	34	24615	-242901.1413	814177.3170250766	39.107876991769196	-101.6551446	270418.9424089142	432104.70894209	3540.14072111487	3456.328115183423	3478.196830561453	3479.890765704535	0	0
196	34	24616	-242241.1413	814177.3170250766	39.1078934905784	-101.6528197	270620.505135046	432100.61094842	3532.381621259448	3453.164118194075	3474.109626415353	3475.846884	0	0
197	34	24617	-241581.1413	814177.3170250766	39.107909956744186	-101.6504947	270821.167346375	432096.61474088	3524.496450817778	344				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	UTM.X	SurfElev.	W.Ln.	BRIElevLogs.Kg.f	BRIElevBoth.Kg.f	SatThK.Logs.f	SatThK.Both.f
277	34	24697	-188781.1413	814177.3170250766	39.109081294522866	-101.4644962	286909.4514338294	33317.37438915048	3333.4245613347935	323.924291207122	3243.9147123409584	3210.131423115517	0	19.69286809160485
278	34	24698	-188121.1413	814177.3170250766	39.10909411753503	-101.4621712	287110.546251097	33317.37438915048	3332.00790502759	323.924291207122	3243.9147123409584	3210.131423115517	0	10.06126061680271
279	34	24699	-188501.1413	814177.3170250766	39.109106948640274	-101.4598461	287311.8409536971	33317.37438915048	3331.441697728803	323.924291207122	3243.9147123409584	3210.131423115517	0	10.06126061680271
280	34	24700	-186901.1413	814177.3170250766	39.10911962883862	-101.4575211	287512.735258643	33317.37438915048	3329.410771478247	3225.09728222333	3231.164116567308	3234.3043606750944	0	0
281	34	24701	-186141.1413	814177.3170250766	39.10913231712999	-101.45511961	287713.8294339447	33317.37438915048	3328.4893012355804	3223.5879688335665	3227.4201532017883	3230.880567962065	0	0
282	34	24702	-185481.1413	814177.3170250766	39.10914496	-101.4528711	287914.9234273076	33317.37438915048	3326.5576430524357	3222.123772473766	3223.9408077689463	3232.85219579702	0	0
283	34	24703	-184821.1413	814177.3170250766	39.10915756	-101.4505461	288116.071924309	33317.37438915048	3324.5771868859164	3220.6717868859164	3220.725710389422	3230.880567962065	0	2.763497359332632
284	34	24704	-184161.1413	814177.3170250766	39.10917011256217	-101.448821	288317.1107324664	33317.37438915048	3320.53867151197	3219.267227383086	3217.74907188624	3214.595543312073	1.6497363194462196	4.671683726235642
285	34	24705	-183501.1413	814177.3170250766	39.1091826122548	-101.445896	288518.2041053862	33317.37438915048	3319.441697728803	3217.829178451787	3214.9218764120366	3212.4154564662007	3.0377893616447746	5.6184015142
286	34	24706	-182841.1413	814177.3170250766	39.1091950498172	-101.443571	288719.2974049513	33317.37438915048	3318.441697728803	3216.569319756659	3212.325401198362	3210.74005518834	4.243917535243338	7.258912204722401
287	34	24707	-182181.1413	814177.3170250766	39.10920705383089	-101.441246	288920.390184482	33317.37438915048	3317.274782163087	3209.984766850402	3205.437810647598	3207.911362	9.83966756812684	0
288	34	24708	-181521.1413	814177.3170250766	39.10921987779054	-101.4389209	289121.48301174305	33317.37438915048	3316.271852481394	3210.4246589728054	3207.172579791592	3210.293385654922	6.852079181213412	3.731273178832787
289	34	24709	-180861.1413	814177.3170250766	39.10923220681394	-101.4365959	289322.5335521494	33317.37438915048	3315.077088598496	3211.812467585845	3205.0995827582574	3223.0476587824774	7.11166402578631	0
290	34	24710	-180201.1413	814177.3170250766	39.109244490941634	-101.4342709	289523.667403324	33317.37438915048	3314.6375550926223	3211.677416285406	3206.1179416285406	3236.1041238407613	1.791734604081633	0
291	34	24711	-179541.1413	814177.3170250766	39.10925613071616	-101.4319459	289724.79984739943	33317.37438915048	3313.6896436967	3210.5038115459485	3207.374181230827	3250.1384785813	6.12963024119658	0
292	34	24712	-178881.1413	814177.3170250766	39.1092689447546	-101.4296208	289925.8518445211	33317.37438915048	3312.92452350335	3209.410963430283	3200.7080972237	3247.388016110086	8.701186119291093	0
293	34	24713	-178221.1413	814177.3170250766	39.10928107388155	-101.4272598	290126.943546013	33317.37438915048	3311.908400570133	3208.36218211788	3196.915012921564	3240.98866472558084	11.441205209222115	0
294	34	24714	-177561.1413	814177.3170250766	39.10929317838034	-101.4249708	290328.3051078472	33317.37438915048	3310.704304991219	3305.003747363691	3327.193792256	3195.369567421855	3204.9584064359853	2.827135757326907
295	34	24715	-176901.1413	814177.3170250766	39.10930523797188	-101.4226457	290529.12629445945	33317.37438915048	3311.01683347121	3206.368394020536	3193.8593775020245	3176.173872624265	12.509071168229093	30.19452204598838
296	34	24716	-176241.1413	814177.3170250766	39.10931752656105	-101.4203207	290730.2173646343	33317.37438915048	3310.353767962554	3205.434524515414	3192.427712	3160.52915628807	13.06830715881279	44.90534702473432
297	34	24717	-175581.1413	814177.3170250766	39.10932922433026	-101.4179957	290931.3802266973	33317.37438915048	3309.621840409364	3204.504371761397	3190.988044511715	3158.647265148236	45.8931025611825	0
298	34	24718	-174921.1413	814177.3170250766	39.10934114730257	-101.4156706	291132.398865556	33317.37438915048	3308.757840380637	3203.6660378780028	3189.627965504537	3149.1254289511208	14.059238827539448	54.50604242899022
299	34	24719	-174261.1413	814177.3170250766	39.10935323681875	-101.4133954	291349.5465087854	33317.37438915048	3307.8437103840173	3202.7315184177	3188.096324388742	3232.0682514728	17.78403296996908	0
300	34	24720	-173601.1413	814177.3170250766	39.10936482319566	-101.4110206	291543.5759521496	33317.37438915048	3306.728302182	3346.651319421492	3202.09324310864	3195.753289210089	15.5020853676573	15.507562100775037
301	34	24721	-172941.1413	814177.3170250766	39.10937652466694	-101.4089595	291735.6696263362	33317.37438915048	3305.826287393635	3201.3529117098274	3186.315396669165	3181.442862804704	10.337510542910654	19.818470434286618
302	34	24722	-172281.1413	814177.3170250766	39.10938837970686	-101.4067305	291936.75642589	33317.37438915048	3304.97255482945	3200.648406	3185.3583971354133	3210.0615289348316	15.29009250036746	0
303	34	24723	-171621.1413	814177.3170250766	39.10940009803936	-101.4044545	292137.8409318713	33317.37438915048	3304.18511979109095	3199.9784244442844	3184.518505005063	3232.2465959382	15.29009250036746	0
304	34	24724	-170961.1413	814177.3170250766	39.109411753464354	-101.4017204	292328.9385193257	33317.37438915048	3303.344082842475	3199.304490002937	3183.814547235494	3239.183102213237	15.29009250036746	0
305	34	24725	-170301.1413	814177.3170250766	39.1094233681875	-101.3993864	292540.92725477	33317.37438915048	3302.4938976854	3198.7315184177	3182.096324388742	3232.0682514728	17.78403296996908	0
306	34	24726	-169641.1413	814177.3170250766	39.10943402959184	-101.3970703	292741.175809749513	33317.37438915048	3301.617690254652	3198.4724009558635	3182.171559037075	15.4034901901977	0	0
307	34	24727	-168981.1413	814177.3170250766	39.1094465029428	-101.3947453	292942.2057105076	33317.37438915048	3300.18366471704	3197.58824781041	3182.617902099357	3205.902845365195	14.05252681105194	0
308	34	24728	-168321.1413	814177.3170250766	39.10945796089114	-101.3924203	293143.294180767	33317.37438915048	3300.05486992663	3197.05255760753	3182.79650758207	3200.542697433032	14.25604992545952	0
309	34	24729	-167661.1413	814177.3170250766	39.1094695697641	-101.3900952	293344.32853371	33317.37438915048	3299.00751436215	3196.538918831395	3183.31466890586	3201.487997390523	13.22424952711332	0
310	34	24730	-167001.1413	814177.3170250766	39.10948074295604	-101.3877702	293545.4078703553	33317.37438915048	3298.77027403581	3196.045732258247	3184.216901094282	3181.216901094282	11.8288317639216	0
311	34	24731	-166341.1413	814177.3170250766	39.10949264028076	-101.3854451	293748.5589757575	33317.37438915048	3298.119953	3195.5711066112627	3183.518628890128	3199.264244	10.505427730899227	0
312	34	24732	-165681.1413	814177.3170250766	39.10950430192436	-101.3831201	293947.6465087854	33317.37438915048	3297.95103840173	3195.11241263844	3182.096324388742	3232.0682514728	17.78403296996908	0
313	34	24733	-165021.1413	814177.3170250766	39.10951463144914	-101.380795	294148.7341280795	33317.37438915048	3297.794283776659	3194.6673081197996	3189.627965504537	3215.94708806019	14.05252681105194	0
314	34	24734	-164361.1413	814177.3170250766	39.10952587798124	-101.37847	294349.821562306	33317.37438915048	3300.631419169299	3194.2351451575614	3191.8487691520697	3239.3637038470984	2.386376049516713	0
315	34	24735	-163701.1413	814177.3170250766	39.1095369923941	-101.3761449	294550.9087426624	33317.37438915048	3300.049748676285	3193.8150601230527	3193.9623463206967	3259.96347025986	0	0
316	34	24736	-163041.1413	814177.3170250766	39.10954811577298	-101.3738199	294751.99573389225	33317.37438915048	3300.05486992663	3195.02552296714	3193.4063304951205	3195.2765584777844	3271.391350260044	0
317	34	24737	-162381.1413	814177.3170250766	39.10955918739875	-101.3714949	294963.8051838815	33317.37438915048	3300.05486992663	3193.07793204679	3193.07793204679	3237.64950692728	15.29009250036746	0
318	34	24738	-161721.1413	814177.3170250766	39.109570214116765	-101.3691369	295164.169096961	33317.37438915048	3300.05486992663	3192.045294540283	3192.618191596795	3195.767994461545	3271.6256867792	0
319	34	24739	-161061.1413	814177.3170250766	39.1095813282935	-101.3665197	295365.3416531487	33317.37438915048	3300.05486992663	3191.45527393675	3191.45527393675	3253.26948615137	15.29009250036746	0
320	34	24740	-160401.1413	814177.3170250766	39.109592587798124	-101.3642924	295574.29574276	33317.37438915048	3300.05486992663	3191.45527393675	3191.45527393675	3253.26948615137	15.29009250036746	0
321	34	24741	-159741.1413	814177.3170250766	39.10960304823876	-101.3621947	295757.4276	33317.37438915048	3300.05486992663	3191.45527393675	3191.45527393675	3253.26948615137	15.29009250036746	0
322	34	24742	-159081.1413	814177.3170250766	39.109613871910554	-101.3598966	295958.153400972	33317.37438915048	3300.05486992663	3191.45527393675	3191.45527393675	3253.26948615137	15.29009250036746	0
323	34	24743	-158421.1413	814177.3170250766	3									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
403	34	24823	-105621.1413	814177.3170250766	39.10343345206836	-101.715384	312245.8122999562	3431266.651444401	3270.589512687674	3128.5220431964226	3136.3989953452465	3137.333818410785	0	0
404	34	24824	-104961.1413	814177.3170250766	39.10350509787054	-101.692313	312446.882804709	3431262.64	3268.5897345307297	3127.216045317304	3133.47049315332	3134.38046056452	0	0
405	34	24825	-103801.1413	814177.3170250766	39.10369435296891	-101.666826	312647.9520786625	3431258.63986162	3268.589612687674	3128.5220431964226	3136.3989953452465	3137.333818410785	0	0
406	34	24826	-103641.1413	814177.3170250766	39.1038470421968	-101.656133	312849.01268833797	3431254.618	3267.5901782154906	3124.61840565814	3124.4965288977205	3125.545208805705	0.11921271073033242	0
407	34	24827	-102981.1413	814177.3170250766	39.103373173407204	-101.662238	313050.091188045	3431250.607170862	3268.589625154286	3123.335443163586	3178.769430946289	3120.9343516	3.5660129700695506	2.4009728653444284
408	34	24828	-102321.1413	814177.3170250766	39.10337872	-101.559129	313251.160633456	3431246.596526795	3271.601489272968	3122.0738661223452	3114.3146761978196	3115.85987001775	7.58916052632178	6.087962412681681
409	34	24829	-101661.1413	814177.3170250766	39.10385659048845	-101.575878	313452.2294528385	3431242.586052438	3274.608960229968	3120.849404512813	3110.0020449837214	3111.8464818178678	10.84735975757057	9.007890547514532
410	34	24830	-101001.1413	814177.3170250766	39.1039255417329	-101.556227	313653.2983041232	3431238.57477479	3271.616422787238	3119.680350591699	3106.720219692195	3107.766792234444	12.882806706999714	11.913211414974809
411	34	24831	-100341.1413	814177.3170250766	39.10399435296891	-101.529678	313854.3600700565	3431234.656819224	3278.4047530061293	3118.5781934302118	3103.06871735416	3104.163715870708958	15.512467947076539	14.416306601211681
412	34	24832	-99651.1413	814177.3170250766	39.1104062096402	-101.5506125	314055.453131613	3431230.555475556	3278.79388667831	3117.539128433296	3098.8539270420055	3100.834841531215	18.6852013913891	16.704289902114
413	34	24833	-99021.1413	814177.3170250766	39.11047297009035	-101.482874	314256.5038407747	3431226.54581965	3275.243004333037	3095.87644542774	3097.81670916437	3098.957022708436	18.84500488917973	16.84500488917973
414	34	24834	-98361.1413	814177.3170250766	39.110419655774	-101.459623	314457.5719925447	3431222.536226044	3273.6921820407586	3115.583613184121	3092.917537959073	3094.68840966488	22.66607522504819	20.895203517625276
415	34	24835	-97701.1413	814177.3170250766	39.11042635615483	-101.436372	314658.639859555	3431218.526797878	3271.8212040757296	3114.63587711824	3089.823396246864	3086.2218087137555	22.59604371990606	20.895203517625276
416	34	24836	-97041.1413	814177.3170250766	39.1104329182624	-101.413121	314859.70784342894	3431214.515819414	3269.632505309203	3113.692778759751	3087.094288348012	3089.029403547228	26.59849041173902	24.663313745774733
417	34	24837	-96381.1413	814177.3170250766	39.1104395625482	-101.38987	315060.7544628276	3431208.508439429	3267.4431203210925	3112.7486696070788	3084.4301843155044	3086.3929687111653	28.31846259157222	26.355768199914273
418	34	24838	-95721.1413	814177.3170250766	39.11044609843419	-101.366819	315281.842867874	3431206.494161927	3265.25360102904	3111.7989514836587	3081.8940939231573	3083.85220546619	29.904074540701413	27.94654651745958
419	34	24839	-95061.1413	814177.3170250766	39.110452589373885	-101.343368	315462.910780324	3431200.49639243	3262.6988142575725	3110.839117771022	3079.576336634651	3082.2202296346	31.26278142426129	29.51709806666285
420	34	24840	-94401.1413	814177.3170250766	39.11045903540433	-101.320117	315663.9771668764	3431198.40281186	3259.775827256524	3099.86426243377	3077.306232423113	3079.05561231015	32.5006300004661	30.8096511336209
421	34	24841	-93741.1413	814177.3170250766	39.110465346525196	-101.296866	315865.040450977	3431194.47392724	3256.8583130139373	3108.87461176058	3075.08523696958	3076.623045238449	33.786224209100055	32.7465367720898
422	34	24842	-93081.1413	814177.3170250766	39.11047179273656	-101.273615	316066.1107426721	3431190.46532305	3253.98311982732	3107.854868652883	3072.946803763983	3074.9117617470698	33.7705160129098	33.7705160129098
423	34	24843	-92421.1413	814177.3170250766	39.11047810403846	-101.250364	316267.1727598035	3431186.457	3249.664244173338	3106.822461829877	3070.641549872483	3071.616451327298	36.10899531050452	35.205984010309556
424	34	24844	-91761.1413	814177.3170250766	39.11048470430085	-101.227113	316486.2436	3431182.45925929	3244.036951140001	3105.760241782448	3068.585198463226	3069.098907441294	37.489053135921976	36.661338140323
425	34	24845	-91101.1413	814177.3170250766	39.11049169191572	-101.203978	316699.3097535692	3431178.41534871	3239.598159601598	3104.64623984043	3066.33702787844	3067.225873974536	39.1089251191182	37.946516191366
426	34	24846	-90401.1413	814177.3170250766	39.1105476848701	-101.180611	316870.3757058903	3431174.4323443	3237.782006521362	3103.542176193863	3062.340904176434	3063.6330597290043	41.193082017369506	39.90911645848926
427	34	24847	-89781.1413	814177.3170250766	39.1105029015081	-101.157376	317071.4415279968	3431170.4636369	3232.882506266362	3102.378678129366	3058.746290753078	3059.8164665909843	43.682373679581	42.56221153368805
428	34	24848	-89121.1413	814177.3170250766	39.11050896950525	-101.134108	317272.5071459387	3431166.419227212	3223.7109881050674	3101.717294501413	3054.52003625514	3055.90458027358	46.65393195600226	45.849138623534
429	34	24849	-88461.1413	814177.3170250766	39.11051052874968	-101.110857	317473.572584758	3431162.41920448	3219.539450128019	3099.92348201608	3049.927535635386	3051.4085077901364	49.859263802227	48.51492041147185
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431	34	24851	-87141.1413	814177.3170250766	39.1105297771027	-101.064195	317875.7028474717	3431154.38835427	3209.2711977	3097.929198775844	3043.33702787844	3044.294873982623	55.18492164893058	54.7083086289989
432	34	24852	-86481.1413	814177.3170250766	39.1105328545165	-101.041704	318076.78767821	3431150.39196228	3207.107145745107	3096.8631324661	3035.54043901943	3035.7857635059193	57.20717714551281	56.11088441674151
433	34	24853	-85821.1413	814177.3170250766	39.1105384703243	-101.017853	318277.832551785	3431146.3923319	3206.822218145424	3094.4059164223276	3033.930623370967	3033.41361264415	59.909105243867	58.9845515908312
434	34	24854	-85161.1413	814177.3170250766	39.110544564329096	-100.994602	318478.879075429	3431142.379324915	3206.494286050966	3093.5962332178	3038.169150434046	3046.904172291844	54.7213217105056	54.7213217105056
435	34	24855	-84501.1413	814177.3170250766	39.11055034	-100.971351	318679.9146531915	3431137.3259729	3202.724669710567	3091.321638173149	3042.090761660542	3042.622210366271	62.23087651260721	60.9942748087825
436	34	24856	-83841.1413	814177.3170250766	39.11055606	-100.9481	318881.025653113	3431134.3674568	3206.05471259147	3089.701764503115	3040.9930964977	3040.7170814341	64.1213684343244	64.1213684343244
437	34	24857	-83181.1413	814177.3170250766	39.11056174676122	-100.924849	319062.086677241	3431130.31638892	3200.852272816899	3088.05219245261	3055.198130070953	3052.81210298185	67.03899174264726	65.22198896442495
438	34	24858	-82521.1413	814177.3170250766	39.1105679175176	-100.898333	319293.1530276243	3431126.35434971	3200.171047345107	3087.2532873484	3053.3305217434	3052.3305217434	69.1089251191182	69.1089251191182
439	34	24859	-81861.1413	814177.3170250766	39.11057297167622	-100.878346	319482.2171603004	3431122.350695972	3200.53481871014655	3084.577336616434	3058.728313784077	3058.728313784077	71.25848052380722	70.05212896834145
440	34	24860	-81201.1413	814177.3170250766	39.1105785200636	-100.855095	319685.2806415321	3431118.34477915	3198.315947854734	3082.792657306573	3058.049204319849	3058.049204319849	74.7434511408032	74.7434511408032
441	34	24861	-80541.1413	814177.3170250766	39.1105840278355	-100.831844	319886.3345645754	3431114.34043099	3195.169078978321	3080.957063165034	3055.507595148066	3056.05341652013	76.45474680167963	76.45474680167963
442	34	24862	-79881.1413	814177.3170250766	39.11058498594655	-100.808593	320087.4070326005	3431110.33552555	3191.986420969887	3079.1257197272	3052.39686233295	3052.39686233295	78.76367090329748	78.76367090329748
443	34	24863	-79221.1413	814177.3170250766	39.11059489906422	-100.785342	320288.4700244905	3431106.33084938	3189.578928	3077.1222068427	3049.3193045740527	3049.701593232746	79.931497343745	79.931497343745
444	34	24864	-78561.1413	814177.3170250766	39.11060026724076	-100.762091	320489.5327957804	3431102.36304156	3187.946526830706	3075.34753620265	3046.611851037232	3046.611851037232	78.75890230429403	78.75890230429403
445	34	24865	-77901.1413	814177.3170250766	39.11060695924981	-100.738778	320698.398792724	3431098.34949347	3186.948981187858	3074.454545516987	3048.733554269637	3048.733554269637	80.23100026197497	80.23100026197497
446	34	24866	-77241.1413	814177.3170250766	39.1106108693515	-100.715588	320891.6528712745	3431094.31734448	3185.947130087997	3071.4699977915615	3044.587505572764	3044.587505572764	81.212311981931	81.212311981931
447	34	24867	-76581.1413	814177.3170250766	39.110616102405125	-100.692337	321092.7200699806	3431090.31702212	3184.965632332054	3069.50036645517	3039.7486974131367	3039.74869741313		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVatKgr.f	BREIEVbothKgr.f	SeaHatchLog.f	SatHbothLog.f
249	2449	-22461.14133	814177.3170250766	39.1089241831343	-100.7857934	337579.2467	4303762.599	3064.0173568087343	281.2440741175615	2871.2722420298626	70.5643802436599	70.5362111206485	
530	2450	-21801.14133	814177.3170250766	39.10883952427804	-100.8726483	337780.29513066826	4303758.5858522	3063.8642344747295	2804.689821992268	2869.719209879305	2869.7145272669068	70.5783626523908	
531	2451	-21811.14133	814177.3170250766	39.1088363271643	-100.7857934	337881.343638464	4303754.9290438	3063.5067032211344	2809.578173982219	2868.320876322706	2868.320876322706	71.3430472389547	
532	2452	-20401.14133	814177.3170250766	39.109680135853	-100.871598	338192.9433899604	4303750.589	3062.941648989782	2938.4575572551466	2866.4585658263337	2866.200963961406	71.9889896305124	
533	2453	-19821.14133	814177.3170250766	39.1088871258908	-100.8692729	338383.4330554461	4303746.6	3062.377224525317	2937.339472204366	2865.0512093172997	2864.58152879124	72.28826628670675	
534	2454	-19161.14133	814177.3170250766	39.1089448882254	-100.8696478	338584.8471150751	4303742.610505426	3061.812805254352	2936.215219181644	2863.601726252468	2863.46002727396	72.760191078621	
535	2455	-18501.14133	814177.3170250766	39.1090078026513	-100.8646226	338785.5347	4303740.361395139	3060.67073853017	2935.1057267730416	2862.23018062458	2862.18018739952	73.0038403308842	
536	2456	-17841.14133	814177.3170250766	39.10902016737676	-100.8622279	338986.5822	4303734.63240825	3058.906474473268	2933.919155	2860.79569952964	2860.6325692120076	73.1956073	
537	2457	-17161.14133	814177.3170250766	39.1089638521992	-100.8599724	339187.628483467	4303730.443859363	3057.2310515611638	2932.8784850765589	2858.9426151891177	2858.6887989835853	73.3358938282761	
538	2458	-16521.14133	814177.3170250766	39.109043545192	-100.8577472	339388.57657865025	4303726.654941304	3055.5111865359454	2931.7657149345414	2856.3127201599143	2856.405336973457	74.45259417453707	
539	2459	-15861.14133	814177.3170250766	39.1090545669357	-100.8553221	339589.723552271	4303722.66460576	3052.2069845585643	2930.651031025813	2852.97871770605	2852.71343272195	75.75281352567489	
540	2460	-15201.14133	814177.3170250766	39.11090651	-100.85297	339790.770369284	4303718.67148689	3047.318407094027	2929.43302338954	2849.24411188421	2848.9726897533837	80.2921241454749	
541	2461	-14541.14133	814177.3170250766	39.11090753	-100.8506718	339981.815030368	4303714.69003337	3042.4289348604207	2928.4105018015	2846.100839052135	2845.8467813129023	82.91212117420973	
542	2462	-13881.14133	814177.3170250766	39.11094849245662	-100.8483467	340129.8633467614	4303710.74230015	3047.3142600113495	2927.2839431099915	2844.647713994272	2844.634771126729	82.5162037125939	
543	2463	-13221.14133	814177.3170250766	39.11095941	-100.8460216	340393.998834213	4303706.710204059	3033.092719394995	2926.150680810233	2842.429090376185	2842.457236623081	81.705358440400252	
544	2464	-12561.14133	814177.3170250766	39.110910291740775	-100.8436964	340504.5967444797	4303702.72687016	3028.923894334095	2925.009524	2844.2888416777837	2844.384312056159	80.7208243886633	
545	2465	-11901.14133	814177.3170250766	39.11091124027204	-100.8413713	340796.002139292	4303698.739	3024.805808322687	2923.858963816163	2843.9947922404504	2844.168476890428	78.984175971393	
546	2466	-11241.14133	814177.3170250766	39.1109119133963	-100.8390462	340957.04086917845	4303675.81158543	3020.691233305404	2922.6972659205258	2844.2048484849685	2844.20484849685	79.49247170	
547	2467	-10581.14133	814177.3170250766	39.1109126535889	-100.836721	341198.038233428	4303670.76484128	3018.734076782635	2921.522668891985	2844.973271106848	2845.0451788797223	75.4539377813699	
548	2468	-9921.141327	814177.3170250766	39.11091335140443	-100.8343599	341399.1384	4303668.778	3018.41962320113	2920.33520127463	2846.3013663801247	2846.3306387244487	73.99445640222837	
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550	2470	-8601.141327	814177.3170250766	39.1109147170994	-100.8297456	341801.2300763104	4303678.80430411	3015.356713213083	2917.920654469235	2845.107755639795	2845.104592260024	68.856642439710074	
551	2471	-7941.141327	814177.3170250766	39.1109154273025	-100.8271377	341987.2516522466	4303674.87824617	3012.983804917486	2916.549101211675	2846.543044046272	2846.543044046272	67.85871396	
552	2472	-7281.141327	814177.3170250766	39.11091569249614	-100.825054	342203.2014002337	4303670.831554073	3012.194973391937	2915.40469195034	2845.893645534873	2858.872406151926	65.5062441154566	
553	2473	-6621.141327	814177.3170250766	39.1109161549323	-100.8227702	342404.3649	4303675.4433654	3025.689374585643	2914.1272421340386	2863.580489197199	2863.552873737255	50.5465723683976	
554	2474	-5961.141327	814177.3170250766	39.1109165938001	-100.820451	342605.409582246	4303662.85948101	3028.184484827097	2912.835736959594	2868.6189254029327	2868.58034659171	42.2168111936705	
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556	2476	-4641.141327	814177.3170250766	39.1109173102255	-100.8157498	343007.4984226645	4303654.88808367	3029.3148951589665	2910.2196170010543	2878.804358815297	2878.839411793607	31.41528188467305	
557	2477	-3981.141327	814177.3170250766	39.11091760837831	-100.8136579	343209.56546102119	4303652.90537209	3029.2689176610215	2885.115413896065	2883.240601304706	2883.240601304706	25.758435215155887	
558	2478	-3321.141327	814177.3170250766	39.11091811462274	-100.811444	343409.5894491932	4303651.97392474	3029.571021253491	2887.50172354941	2886.21021253491	2886.21021253491	22.11564373215766	
559	2479	-2661.141327	814177.3170250766	39.11091860635883	-100.8088194	343610.6305269933	4303642.93250122	3028.814051382295	2906.20438930169	2883.96093838382	2884.058885	22.2749009033714	
560	2480	-2001.141327	814177.3170250766	39.11091821898358	-100.8064943	343811.6742563198	4303638.47309246	3028.194312663478	2904.905484875838	2879.9021751955573	2879.88428896724	20.521195979114054	
561	2481	-1341.141327	814177.3170250766	39.11091833	-100.8041691	344012.713405996	4303634.962536838	3027.572201887235	2903.588160692915	2874.580169406643	2874.418097266288	19.5060326531248	
562	2482	-681.1413269	814177.3170250766	39.11091840150211	-100.801844	344213.7612594613	4303630.978	3026.9601921773936	2902.329222256194	2868.63208832353	2868.364153248407	18.33460639771943	
563	2483	-11.14132693	814177.3170250766	39.11091842535986	-100.7995189	344414.8045330484	4303626.93933785	3026.1287487113064	2899.899687155134	2862.293813155463	2861.950384738394	16.95855605004595	
564	2484	638.858677033514	814177.3170250766	39.11091840347925	-100.7971437	344615.526550272	4303623.00787672	3025.083804917486	2899.549101211675	2868.6189254029327	2868.6189254029327	15.6377032037851	
565	2485	1298.858677033514	814177.3170250766	39.11091838452693	-100.7948686	344816.8384525893	4303619.025137109	3024.0734711319613	2898.210956531078	2862.954065118474	2852.572819780626	14.24689113874035	
566	2486	1958.858677033514	814177.3170250766	39.11091827261509	-100.7925435	345017.9334449559	4303615.041201506	3022.91745820221	2896.872221349963	2850.56566249137	2850.56566249137	13.406550280082586	
567	2487	2618.858677033514	814177.3170250766	39.11091807186748	-100.7902183	345218.9171332405	4303611.057	3021.965704924024	2893.571163239333	2849.00182511338	2849.00182511338	12.45193733979265	
568	2488	3278.858677033514	814177.3170250766	39.1109178120952	-100.7878932	345420.108638991	4303607.07946341	3020.958298212122	2894.20317259667	2847.503658831481	2847.503658831481	11.46005228318547	
569	2489	3938.858677033514	814177.3170250766	39.110917625612564	-100.785681	345621.061	4303603.094021365	3019.958271770036	2892.873446	2846.9353969225	2846.9353969225	10.45367766599121	
570	2490	4598.858677033514	814177.3170250766	39.11091735162654	-100.7834229	345822.1021448844	4303599.17047777	3018.948456257954	2891.547077309358	2847.42662904618	2847.542316862911	9.44120468	
571	2491	5248.858677033514	814177.3170250766	39.110917140247825	-100.7812914	346025.4569248004	4303591.232896286	3017.9113309516953	2889.898720711272	2846.53282904072	2846.53282904072	8.41981137209623	
572	2492	5918.858677033514	814177.3170250766	39.11091661947444	-100.7795227	346224.18713735334	4303591.11156741	3017.0100953451304	2888.9045113884	2846.33135394685	2846.33135394685	7.395789615899542	
573	2493	6578.858677033514	814177.3170250766	39.11091619426485	-100.7762675	346425.2286642702	4303587.15822168	3006.053258216217	2887.59453293021	2849.462123601075	2849.373363232767	6.313309691946124	
574	2494	7238.858677033514	814177.3170250766	39.11091572414482	-100.7739424	346626.2706811339	4303583.175822169	3001.0979171301815	2886.284364466395	2849.260237110097	2849.260237110097	5.3026176049393474	
575	2495	7898.858677033514	814177.3170250766	39.11091520911463	-100.7716173	346827.3210488791	4303579.193407408	2997.334274538008	2884.83305764681	2848.217180810237	2848.217180810237	4.368116271677147	
576	2496	8558.858677033514	814177.3170250766	39.1109146174035	-100.7693221	347028.33674657	4303571.21160998	2994.732797505948	2883.685288851706	2848.420021501086	2847.913994309096	3.357128857818028	
577	2497	9248.858677033514	814177.3170250766	39.11091404	-100.766867	347229.3945370946	4303571.232896286	2993.7113309516953	2882.998720711272	2846.53282904072	2846.53282904072	2.432828794641618	
578	2498	9948.858677033514	814177.3170250766	39.1109133456186	-100.7646419	347430.435573							

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
55	25075	60985.8586730335	814177.3170250766	39.11072849744786	-100.5856069	362910.16383488255	43203621.144911174	2886.2030358323902	2733.92697809351	2739.384333549613	24.47630050451153	24.54264059734844
656	34	61358.8586730335	814177.3170250766	39.10724234	-100.5832818	363111.19388303393	43203521.76	2882.789818	2762.52160212953	2773.675486224087	28.8570079191724	27.784027268656356
657	34	60977.8586730335	814177.3170250766	39.1072014702495	-100.584689	36312.237368515	4320353.307465464	2878.3703763082634	2751.82865968574	2729.2517863548427	31.8739783384686	30.47810858
658	34	60976.8586730335	814177.3170250766	39.110715004448526	-100.5783515	36313.2538317325	4320349.238927707	2875.9687821989546	2759.4848688787	2725.225604035225	27.73410705303474	25.73898965343956
659	34	60979.8586730335	814177.3170250766	39.1107161696214	-100.5763064	36314.2833238646	4320425.271	2873.0948383530673	2758.380783830867	2721.7895686934604	34.69121464462234	34.4798662746252
660	34	60980.8586730335	814177.3170250766	39.110720456563	-100.5739813	36319.2152716487	4320341.302551848	2875.7076434769375	2757.0520629506436	2718.4670510093915	35.19408119412506	35.1940813961025
661	34	60981.8586730335	814177.3170250766	39.11072092073598	-100.5716562	364116.2421384323	432027.335	2868.4203098294324	2755.681222454128	2715.3818550719843	40.29936738214363	37.08404898196115
662	34	60982.8586730335	814177.3170250766	39.1106894052567	-100.569331	364317.3713942074	4320323.366781402	2868.083137	2754.347860293687	2712.4271654437625	27.11966417902406	21.4269948492453
663	34	60983.8586730335	814177.3170250766	39.11068401791725	-100.5670089	364518.4005188325	4320322.468168102	2868.247653082636	2753.0411561826756	2709.557824218295	37.553213671133	34.46679679635058
664	34	60984.8586730335	814177.3170250766	39.11072058125	-100.5646808	364719.4295116855	4320225.433819262	2865.9136388417	2751.70948163969	2708.968197570069	27.11030637632687	41.7059271306914
665	34	60985.8586730335	814177.3170250766	39.11068498835315	-100.5623557	364920.458375977	432021.464382059	2858.579423483203	2750.43841570951	2704.254593808325	47.14918218295594	42.8830564616365
666	34	60986.8586730335	814177.3170250766	39.110683047079466	-100.5600306	365121.48710507096	4320217.492754173	2853.248569246525	2749.106135785032	2704.39076943022	27.04267391747613	44.83674473730816
667	34	60987.8586730335	814177.3170250766	39.1106757003173	-100.5577504	365322.1575028204	4320217.305287887	2851.31757372106314	2747.8185839355176	2699.6394703714504	27.7176389940715	44.9647012
668	34	60988.8586730335	814177.3170250766	39.1106710086381	-100.5553803	365523.54476126147	4320209.563491847	2850.2795026	2746.321433628615	2697.6722417862547	26.9915766957912	47.01624768949955
669	34	60989.8586730335	814177.3170250766	39.1106672052678	-100.5530562	365724.5725164601	4320205.596833368	2850.24775973589	2745.254095749338	2695.071413354914	26.9157124896758	47.4726208926885
670	34	60990.8586730335	814177.3170250766	39.11066148055734	-100.5507701	365925.0007267565	4320201.63042352	2849.74692484968	2743.8001719889648	2693.157904238634	26.954209127564	48.5589071306031
671	34	60991.8586730335	814177.3170250766	39.110665664152124	-100.548405	366126.828807304	4320197.66108879	2849.2992450602	2742.7102458912627	2691.269853725154	26.933888650201	51.4132968067277
672	34	60992.8586730335	814177.3170250766	39.1106517232741	-100.5460798	366327.656853247	4320193.69729817	2848.92362449474	2741.4415712723718	2689.26324910717	26.9128717623987	50.1559305025915
673	34	60993.8586730335	814177.3170250766	39.1106468766078	-100.5437547	366528.6847923444	4320189.732222477	2848.54115450986	2740.127910168785	2687.37213035837	26.89314942845182	52.8004806622266
674	34	60994.8586730335	814177.3170250766	39.1106414915471	-100.5414296	366729.7127379414	4320185.76623101	2848.162618561777	2738.901745512244	2685.6029343090213	26.8720310342265	51.6980291
675	34	60995.8586730335	814177.3170250766	39.11063910493055	-100.5391045	366930.7393619107	4320181.800800804	2846.016106762837	2737.626582660407	2683.869904323058	26.8576623434905	51.866199037498676
676	34	60996.8586730335	814177.3170250766	39.11063165847619	-100.536794	367117.76737101225	4320175.83151974	2842.103067294837	2736.345564579523	2683.62485824793	53.75626183448514	52.1796706540042
677	34	60997.8586730335	814177.3170250766	39.11062456491135	-100.534463	367359.749723982	4320169.334770564	2838.186292094524	2735.027103674275	2682.6103178587915	26.81362626817	56.904301796272385
678	34	60998.8586730335	814177.3170250766	39.11062162183813	-100.5321291	367533.8218554725	4320169.904742297	2834.2761781829636	2733.7623007562082	2678.835119359776	26.801318666779	53.7311140973343
679	34	60999.8586730335	814177.3170250766	39.11061643615443	-100.529804	367734.8489	4320163.98786828	2830.7025720118267	2732.48932722801	2677.526355687343	26.7840044815281	54.932715046662
680	34	61000.8586730335	814177.3170250766	39.110611205566904	-100.5274789	367935.878274993	4320161.970022398	2827.4688045036814	2731.148605059868	2676.350385117451	26.76549206280344	54.79821904241638
681	34	61001.8586730335	814177.3170250766	39.1106053005772	-100.5251358	368136.90262186126	4320158.01	2824.235036913977	2729.823716961835	2675.239693441188	26.75362407487195	54.69320260649696
682	34	61002.8586730335	814177.3170250766	39.11060060964473	-100.5228827	368337.92298287735	4320154.04593201	2821.00126947078	2728.512764	2674.1549719034347	26.74343083740966	54.35779182033345
683	34	61003.8586730335	814177.3170250766	39.1105964542201	-100.5206428	368538.9565454237	4320150.889	2818.442777410552	2727.10926484168	2672.99579698876	26.734113876423058	54.1936799463548
684	34	61004.8586730335	814177.3170250766	39.1105917069959	-100.5181785	368739.942047911	4320145.117531643	2815.88292066076	2726.8610366206756	2671.720671728197	26.720671728197	54.159028498342
685	34	61005.8586730335	814177.3170250766	39.11058438	-100.5158533	368941.008526382	4320142.13582452	2816.676344161032	2724.5431744957013	2670.689138580117	26.70749145458183	54.064002307518094
686	34	61006.8586730335	814177.3170250766	39.1105787889552	-100.5135282	369142.036853262	4320138.18980642	2812.793172530501	2723.2208977442338	2669.2985843369897	26.69904546104195	53.92231340724402
687	34	61007.8586730335	814177.3170250766	39.1105733339336	-100.5112031	369343.0607	4320134.226	2810.899011677859	2721.9004801480905	2668.0919561782324	26.6740141423892716	53.880525907467144
688	34	61008.8586730335	814177.3170250766	39.11056774406267	-100.5087685	369544.866239661	4320130.262739138	2808.939958572557	2720.58244407103	2666.28521611005	26.65391909002575	54.891075160146456
689	34	61009.8586730335	814177.3170250766	39.11056210928714	-100.5065529	369745.1124040758	4320126.29495442	2807.0898814835917	2719.673964250357	2664.734985	26.63847363077405	54.52341149
690	34	61010.8586730335	814177.3170250766	39.11055642991135	-100.504278	369948.138505454	4320122.34370756	2805.18364014582	2717.857174253564	2662.6103178587915	26.61361132671847	54.345401796272385
691	34	61011.8586730335	814177.3170250766	39.1105507495988	-100.5019027	370147.163586974	4320118.37420025	2804.861509123115	2716.647872186336	2659.897380306034	26.597388277966	56.919280387268
692	34	61012.8586730335	814177.3170250766	39.11054435480974	-100.4995776	370348.1889093854	4320114.41052433	2806.121759646117	2715.344125973418	2657.4951743892734	26.573082486303215	57.89822158
693	34	61013.8586730335	814177.3170250766	39.11053912106143	-100.4972525	370549.2142680214	4320110.448	2807.381960179092	2714.044660207739	2654.8523721279716	26.5475789072982	59.9137170474084
694	34	61014.8586730335	814177.3170250766	39.11053267132265	-100.4949273	370750.234206106	4320106.485570988	2806.642160780578	2712.7496233846215	2652.146832	26.52169734434923	60.64256014112926
695	34	61015.8586730335	814177.3170250766	39.110527357493496	-100.4926022	370951.264448813	4320102.52359097	2804.4654965005028	2711.459141	2649.455695307257	26.4943616394105	62.020812638161659
696	34	61016.8586730335	814177.3170250766	39.1105214	-100.4902771	371125.2895526748	4320096.61186617	2812.821220483387	2710.714268206808	2648.68198167047	26.465497486695714	63.57394115105308
697	34	61017.8586730335	814177.3170250766	39.110514937519514	-100.4879229	371329.947111222	4320092.848171095	2804.851781422391	2709.54318422291	2646.198145718098	26.443581581262291	64.7341819842378
698	34	61018.8586730335	814177.3170250766	39.11050973126951	-100.4854269	371554.3378955114	4320090.63471508	2816.648782186336	2708.1844885578157	2644.1844885578157	26.41488301967576	67.237814183177
699	34	61019.8586730335	814177.3170250766	39.11050391442484	-100.4833018	371755.363165659	4320087.765486453	2817.88189	2706.35121	2636.7123554566063	26.3636210416684783	69.04497965301897
700	34	61020.8586730335	814177.3170250766	39.1104971625581	-100.4809767	371956.38772345	4320082.714245547	2816.173327629383	2705.03028812053	2633.3794074687717	26.3682273136735	71.6526753432132
701	34	61021.8586730335	814177.3170250766	39.1104908895958	-100.4786516	372157.412068222	4320078.7523037	2814.4647657190403	2703.7602516793786	2630.4909791940436	26.3434398073798	73.15259274973686
702	34	61022.8586730335	814177.3170250766	39.1104847035384	-100.4763265	372358.436166889	4320074.79204398	2812.7562037240477	2702.46959893105	2628.757947248315	26.3289598696903	73.78076293461485
703	34	61023.8586730335	814177.3170250766	39.1104785683858	-100.4740614	372559.460203514	4320070.783117028	2811.7476817827393	2701.1980498110144	2626.5701600418968	26.328367870312516	74.188697708281
704	34	61024.8586730335										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.f	BRrElevBothKrg.f	SatHtElev.f	SatHtBoth.f
41	35	25201	-344541.1413	814837.3170250766	39.106611735572905	-102.1032014	239448.82904086093	4323931.242009031	3968.253287755808	3831.374314973735	3798.789995625671	3809.6862820158474	32.84831934770397	21.6780325957625
42	35	25202	-343681.1413	814837.3170250766	39.106635156348176	-102.1070876	23969.9784934306	4323927.1026851261	3966.215458339523	3830.203575278191	3796.122414256603	3804.9087907922767	34.184116098258719	25.29478448914048
43	35	25203	-343221.1413	814837.3170250766	39.106646532223941	-102.1068816	23985.1268578677	4323923.0960444453	3963.984773057486	3829.29815116022	3792.15778698048	3803.9584042954	35.0913171480277	26.801873191796312
44	35	25204	-342561.1413	814837.3170250766	39.10668186	-102.1067227	24005.27797425413	4323922.06837341	3962.568742686934	3827.8831717789922	3790.820264267624	3804.322565222867	34.9903455222867	23.56047045863742
45	35	25205	-341901.1413	814837.3170250766	39.10670514927371	-102.1039022	24023.4271027973	4323914.949887871	3961.150200792038	3826.761884078546	3792.312960557652	3793.9251542274154	34.42232350202534	28.16104313319741
46	35	25206	-341241.1413	814837.3170250766	39.10673043044866	-102.1015774	24045.5759732715	4323910.874075761	3959.73167154563	3825.765579134093	3791.033404596235	3790.56573785806	34.16840121202484	26.16409121202484
47	35	25207	-340581.1413	814837.3170250766	39.10675158672342	-101.9992526	24065.5786722952	4323908.40043286	3958.2385240436588	3824.4927759129385	3788.65096	3788.9827759129385	35.84181626067539	35.56402396971963
48	35	25208	-339921.1413	814837.3170250766	39.10677473809795	-101.9969278	24085.6723453033	4323902.71924339	3956.670755581132	3823.39455696565	3785.57464088909	3782.7786671744613	37.432309607754167	40.61578798219192
49	35	25209	-339261.1413	814837.3170250766	39.10679784457223	-101.9946028	24105.0210425973	4323896.5586179195	3955.102887159565	3822.303037104221	3782.125489148627	3780.965044042954	37.1782659853628	40.61578798219192
50	35	25210	-338601.1413	814837.3170250766	39.106820305142718	-101.9922781	24125.9168853127	4323891.57464015	3953.535218736618	3821.213540495632	3778.5330113306813	3773.9522411532574	42.680529169854	47.2512933637867
51	35	25211	-337941.1413	814837.3170250766	39.10684392819756	-101.9899533	24146.3617412294	4323890.516	3950.7390782657387	3820.123499	3775.385977587767	3771.92520606957	43.247116061405	48.19897865230405
52	35	25212	-337281.1413	814837.3170250766	39.106868495452955	-101.9876285	24161.46380073315	4323886.43773732	3946.176703427993	3819.015393792835	3772.7136014271864	3769.266406765264	43.71937952097054	50.0329670275709
53	35	25213	-336621.1413	814837.3170250766	39.106898921465685	-101.9853307	24182.61040705973	4323882.372	3942.6936162029623	3817.2249173347714	3768.992476167922	37.714468805152444	51.67690120010165	51.67690120010165
54	35	25214	-335961.1413	814837.3170250766	39.1069192703437985	-101.9829788	24203.757691401	4323878.70637445	3938.670488407493	3816.846588407493	3768.153094845328	37.62444089096963	48.693493241152	54.4024993739622
55	35	25215	-335301.1413	814837.3170250766	39.10693550050967	-101.980654	24224.8042592797	4323874.29402025	3935.057868519138	3815.70269996162	3768.217016334889	37.614706919729323	49.37543064129256	54.4024993739622
56	35	25216	-334641.1413	814837.3170250766	39.106951623620826	-101.9783292	24246.06150589762	4323870.15830389	3931.88509572204	3814.64411853437	3764.300257602045	37.5924712946581	50.3398693230169	54.75898906861657
57	35	25217	-333981.1413	814837.3170250766	39.10698107995137	-101.9760044	24267.1960691622	4323866.07376625	3925.0520919728	3813.528389162003	3763.161020967123	37.57842527259896	50.3768203009646	55.702961900309646
58	35	25218	-333321.1413	814837.3170250766	39.1071367232123	-101.9736795	24288.342405028	4323862.01662263	3925.519101105227	3812.3903984786725	3761.670856502883	37.56429302003026	50.71954117079855	56.0971975563998
59	35	25219	-332661.1413	814837.3170250766	39.107206439790424	-101.9713547	24309.4879456135	4323857.94601082	3923.162340940862	3811.2236659006862	3760.135978954895	37.56188856865251	51.0876860451708	54.884804014430924
60	35	25220	-332001.1413	814837.3170250766	39.1072490649	-101.9690299	243270.6332313436	4323853.97651986	3921.5217417036886	3810.0167531722273	3758.3187040211716	37.5152808639852	51.70886750515684	58.8866077637314
61	35	25221	-331341.1413	814837.3170250766	39.10727162002646	-101.9667051	24347.772626095	4323850.90539451	3919.917781121015	3808.745737289604	3757.1439611651263	37.54174394271735	51.610776124297125	60.9372786246995
62	35	25222	-330681.1413	814837.3170250766	39.10730414793526	-101.9643002	24367.5230394548	4323845.73531311	3917.8125921112713	3807.419570758025	3756.784193866404	37.54387551888133	51.63232413716716	63.540044086989245
63	35	25223	-330021.1413	814837.3170250766	39.10733661239376	-101.9618616	24387.656224477	4323840.6524477	3915.78329555138	3806.289250521684	3755.688652885294	37.54188652885294	51.63232413716716	66.47326420141377
64	35	25224	-329361.1413	814837.3170250766	39.10737305324195	-101.9597306	24407.51183106254	4323837.596	3913.501291255213	3804.459042	3753.7801384745545	37.543723138218767	50.67890311592431	66.7678702465301
65	35	25225	-328701.1413	814837.3170250766	39.1074164168827	-101.9574057	24427.35584615673	4323833.526173065	3910.83144888305	3802.814247171517	3753.426765798373	37.536798296	50.67890311592431	68.7678702465301
66	35	25226	-328041.1413	814837.3170250766	39.107387485133	-101.9555089	24447.496077278	4323829.45679841	3908.15990851087	3801.056603738693	3753.094377048885	37.54079667248057	47.9567166889076	66.2687373
67	35	25227	-327381.1413	814837.3170250766	39.107220680311336	-101.952756	24467.8413159848	4323825.38796424	3906.016784349227	3799.28102578768	3752.8685360586564	37.545399556200146	49.37543064129256	68.7678702465301
68	35	25228	-326721.1413	814837.3170250766	39.10722836474286	-101.9504432	24487.978637112892	4323821.319	3904.402137	3797.919836858073	3752.604112278716	37.54740360181426	47.9567166889076	69.9162371708112
69	35	25229	-326061.1413	814837.3170250766	39.10725955849484	-101.9481064	24509.0263537888	4323817.729709371	3902.78912777575	3796.80994574481	3751.938137781791	37.545399556200146	49.37543064129256	71.0876860451708
70	35	25230	-325401.1413	814837.3170250766	39.10727162002646	-101.9457185	24529.0723948273	4323813.18102443	3900.78329555138	3794.9251035008	3751.2096465030026	37.53204519047400	42.0625059300548	71.0876860451708
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72	35	25232	-324081.1413	814837.3170250766	39.10731690090376	-101.9411318	24568.3566469736	4323805.044	3896.329581524464	3789.251535334554	3749.99404522444	37.561037041	39.25659031101122	74.21494049405137
73	35	25233	-323421.1413	814837.3170250766	39.10733892976125	-101.938807	24588.489636081	4323800.973003825	3893.838982769745	3787.166918451142	3749.3966519018727	37.561037041	39.25659031101122	75.25228649715154
74	35	25234	-322761.1413	814837.3170250766	39.1073691372573	-101.9364821	24608.6406918276	4323796.90800327	3890.9483978297546	3785.064054920405	3747.8437378685935	37.575491665224174	39.25659031101122	76.2206762246931
75	35	25235	-322101.1413	814837.3170250766	39.107387485133	-101.9341573	24628.781273388	4323792.84018302	3888.825086003376	3783.644568269357	3746.585225252827	37.56043274569039	36.35930597240025	77.224187748813959
76	35	25236	-321441.1413	814837.3170250766	39.10740414829844	-101.931824	24648.9242446675	4323788.72324323	3886.71732142741	3781.80994574481	3745.193137781791	37.545399556200146	49.37543064129256	78.1076860451708
77	35	25237	-320781.1413	814837.3170250766	39.10742659177895	-101.9295076	24669.04641123335	4323784.705053981	3885.7306855088	3778.660186758426	3743.588213361365	37.561037041	39.25659031101122	79.227735709342234
78	35	25238	-320121.1413	814837.3170250766	39.1074400502572	-101.9271827	24689.2051465383	4323780.63774867	3884.157011201344	3776.49584951284	3742.9697104126008	37.56248921428453	33.5252745369309	80.24067396674039
79	35	25239	-319461.1413	814837.3170250766	39.10747015997199	-101.9248578	24709.23456309857	4323776.571	3882.4610211047715	3774.318715961284	3741.0355166051227	37.561037041	39.25659031101122	81.24194049405137
80	35	25240	-318801.1413	814837.3170250766	39.10749187451665	-101.922533	24729.34584671801	4323773.50365207	3880.62506699929	3772.72142934	3738.99518081812	37.547418113546115	33.15451500078124	82.2838162727875
81	35	25241	-318141.1413	814837.3170250766	39.10751354415972	-101.9202081	24749.6248481302	4323768.93849349	3878.789113	3769.914114083716	3737.222699256277	37.561037041	39.25659031101122	83.269144880824
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83	35	25243	-316821.1413	814837.3170250766	39.10755730594796	-101.9154825	24789.9242446675	4323760.72324323	3874.81732142741	3765.7306855088	3734.588213361365	37.561037041	39.25659031101122	85.24194049405137
84	35	25244	-316161.1413	814837.3170250766	39.1075783637874	-101.9131235	24808.0442957385	4323756.2327693	3873.16784746513	3763.716890325348	3731.865270593454	37.561037041	39.25659031101122	86.215011261419
85	35	25245	-315501.1413	814837.3170250766	39.10759977	-101.9109087	24829.1832814512	4323752.1742977						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRrElevKgr.ft	BRrElevBothKgr.ft	SatThKLog.s	SatThKBoth.ft
167	25	25327	-261381.1413	814837.3170250766	39.10920915224334	-101.7202654	264791.75017430866	4323419.338658084	3629.3826904860816	3542.195602	3529.8778574759033	331.6422319596187	12.316726409426792
168	35	25328	-260721.1413	814837.3170250766	39.10922691529685	-101.7179404	264982.86915295385	4334015.28032448	3626.7901539937493	3539.2583152146526	3528.9750628464612	10.28325236819137	8.8517613743906081
169	35	25329	-260661.1413	814837.3170250766	39.10924633449086	-101.7168154	265193.967891782	432411.233379797	3624.189167750437	3536.314368540035	3528.077675797321	3529.5805408721583	8.235730856482587
170	35	25330	-259041.1413	814837.3170250766	39.1092633606458	-101.7132904	265355.10641118647	432407.182	3617.6050810901256	3533.3607359046637	3527.3571734267086	3528.33427387739	6.0035624089505765
171	35	25331	-258741.1413	814837.3170250766	39.10927993503518	-101.7109655	265596.22469518145	432403.130895977	3619.336973759636	3530.399981	3526.4434033057137	3527.6187376872344	3.9565775165764544
172	35	25332	-258081.1413	814837.3170250766	39.109297518470754	-101.7086405	2657397.34274557433	432339.079	3617.3832957526704	3527.4312143071815	3525.541278288927	3526.709945313217	1.8899360184912558
173	35	25333	-257421.1413	814837.3170250766	39.10931505700131	-101.7063155	265998.04656396374	4323305.028486085	3615.4449774758045	3524.4548893185334	3524.6592333394747	3525.8629285147709	0.7212689942016388
174	35	25334	-256761.1413	814837.3170250766	39.109332505062684	-101.7039805	266199.5782	4323390.978	3615.505939738939	3521.469896201207	3523.804046	3524.96366731753	0
175	35	25335	-256101.1413	814837.3170250766	39.10934999347729	-101.6981156	266400.695071567	4323396.327696261	3608.1555268901972	3518.4773921924965	3522.96449696706	3524.187427	0
176	35	25336	-255441.1413	814837.3170250766	39.1093740315261	-101.6993406	266601.81263167594	4323382.576618333	3602.39636959903	3515.477140971207	3522.218227145658	3524.960386034224	0
177	35	25337	-254781.1413	814837.3170250766	39.10938476207278	-101.6970156	266802.929632956	432378.826339054	3595.641215508983	3512.4709581487654	3521.647280106083	3522.983417205895	0
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179	35	25339	-253461.1413	814837.3170250766	39.10941934517756	-101.6923267	267205.1626233299	4323307.76295404	3589.983711715123	3506.4433152215826	3520.74161044884	3522.06152463652	0
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181	35	25341	-252141.1413	814837.3170250766	39.10945374866138	-101.6877157	267607.397598939	4323262.6938261	3607.896210834633	3500.3897926061773	3521.065346	3522.53426960148	0
182	35	25342	-251481.1413	814837.3170250766	39.10947083045326	-101.6853397	267808.51054297877	4323358.57751109	3616.853075767335	3497.3515871040297	3521.8710597286	3523.313021404895	0
183	35	25343	-250821.1413	814837.3170250766	39.10948797252394	-101.6830357	268009.620568152	4323354.5262671665	3618.87318130816	3494.3040147546817	3523.165498273789	3524.5851590656754	0
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187	35	25347	-248181.1413	814837.3170250766	39.1095587881384345	-101.673758	268841.0858207162	432333.323985271	3598.168454931531	3482.913674881544	3526.338592591044	3527.4009519240296	0
188	35	25348	-247521.1413	814837.3170250766	39.109572746357675	-101.6714408	269015.02	4323334.264936336	3591.749570603415	3478.918642489255	3522.06756134874	3523.1895955987308	0
189	35	25349	-246861.1413	814837.3170250766	39.10959243638768	-101.6689158	269229.9624961984	4323358.958585521	3586.596834764965	3476.8592615858	3482.918621556867	3524.18508527251	0
190	35	25350	-246201.1413	814837.3170250766	39.10960341521975	-101.6667398	269417.4823430603	4323326.18325045	3578.90942107298	3472.7088984980276	3509.430741269233	3510.922495587243	0
191	35	25351	-245541.1413	814837.3170250766	39.109623071756715	-101.6644586	269618.514928137	4323222.14048076	3572.54405276201	3469.59195630080	3503.152025586683	3504.78841712092	0
192	35	25352	-244881.1413	814837.3170250766	39.10963975085816	-101.6621408	269819.6553820657	4323218.092742644	3566.232825551779	3466.467523374242	3497.310153241774	3498.937859890605	0
193	35	25353	-244221.1413	814837.3170250766	39.10965639750926	-101.6598158	270020.7864174654	4323214.045208748	3559.921593677357	3463.336901936513	3492.0207234875115	3493.65239299805	0
194	35	25354	-243561.1413	814837.3170250766	39.1096729302701	-101.6574898	270221.88161702506	4323209.997846376	3553.610361802935	3460.196617029998	3487.1470052972136	3488.8501871832393	0
195	35	25355	-242901.1413	814837.3170250766	39.10969045438363	-101.6551658	270422.9642961984	4323235.958585521	3546.596834764965	3457.8592615858	3482.918621556867	3484.364185449287	0
196	35	25356	-242241.1413	814837.3170250766	39.1097100494532	-101.6528408	270619.10644804	4323201.903636181	3538.798494812549	3453.994489142519	3476.267421339481	3479.968421964283	0
197	35	25357	-241581.1413	814837.3170250766	39.109722510145815	-101.6505158	270825.2190264004	4322297.85678346	3531.014433919386	3450.7413108715455	3474.027376954802	3475.91352629147	0
198	35	25358	-240921.1413	814837.3170250766	39.10973892604049	-101.6481908	271026.3315714673	4322303.810112005	3523.238309140851	3447.5796877932038	3469.894562574778	3471.87503323356	0
199	35	25359	-240261.1413	814837.3170250766	39.109755297029324	-101.6458568	271227.442229724	4322289.76307155	3524.536760231563	3444.413797072231	3465.9527226033415	3468.071982791973	0
200	35	25360	-239601.1413	814837.3170250766	39.109771623112294	-101.6435408	271428.55486874266	432235.717273789	3524.90978191522	3441.2437596693885	3462.2173086764155	3464.304162935048	0
201	35	25361	-238941.1413	814837.3170250766	39.10978794289354	-101.6412158	271629.662656091	4322281.87111898	3545.282814514806	3438.09920626289	3456.72659490007	3461.03189363638	0
202	35	25362	-238281.1413	814837.3170250766	39.1098041405362	-101.638899	271830.72157198031	432227.62119465	3545.50491114330	3434.891602198155	3455.500236346335	3459.94071349716	0
203	35	25363	-237621.1413	814837.3170250766	39.10982031935862	-101.6365658	272029.84825654	4322375.979300501	3556.083945314946	3431.7091761387414	3452.2039441641186	3456.523694062884	0
204	35	25364	-236961.1413	814837.3170250766	39.10983647839276	-101.6342408	272232.99902837054	4322298.53652995	3546.567127131003	3428.522541205122	3449.540723832045	3452.80797989812	0
205	35	25365	-236301.1413	814837.3170250766	39.10985257994583	-101.6319158	272434.109798538	4322265.488176933	3537.053008824586	3425.331863214534	3445.587548774261	3450.588420429246	0
206	35	25366	-235641.1413	814837.3170250766	39.10986863659288	-101.6295908	272635.2200891519	4322261.492772314	3527.5334905117144	3422.1370218511943	3442.942057631357	3447.61918	0
207	35	25367	-234981.1413	814837.3170250766	39.10988484833383	-101.627258	272836.3301551293	432227.73793127	3522.1169056115843	3418.93987116741	3439.71156964688	3445.62636556153	0
208	35	25368	-234321.1413	814837.3170250766	39.10990061516884	-101.6248407	273037.44	4322253.52777364	3520.805105713769	3415.71280777138	3437.67973	3443.40471201250936	0
209	35	25369	-233661.1413	814837.3170250766	39.10991697397813	-101.6225398	273239.6131398523	432224.9398	3519.4873407889757	3412.672531301128	3434.14813058413	3441.4813058413	0
210	35	25370	-233001.1413	814837.3170250766	39.10993241411982	-101.620297	273439.65900727396	4322254.263368077	3516.1876581629777	3409.13485	3433.05329277069	3439.701469511408	0
211	35	25371	-232341.1413	814837.3170250766	39.10994825	-101.6179657	273640.7682	4322241.218920558	3516.2664076297156	3406.105176881587	3430.3786766322933	3437.03755373718	0
212	35	25372	-231681.1413	814837.3170250766	39.109964033446154	-101.6156407	273841.8717225939	4322237.174644426	3513.779856304786	3402.8905708947514	3427.058302375973	3434.1000359862816	0
213	35	25373	-231021.1413	814837.3170250766	39.10997975749991	-101.6133157	274042.9854850352	4322233.130539681	3509.6852851203697	3399.6852851203697	3424.0623658663245	3431.33138	0
214	35	25374	-230361.1413	814837.3170250766	39.10999547314739	-101.6109807	274244.904342714	432229.087	3508.806762848283	3396.477131	3420.7129277109962	3428.63447583938	0
215	35	25375	-229701.1413	814837.3170250766	39.110011112582653	-101.6086856	274445.3026205596	432225.942844332	3511.91978658247	3397.71128489608	3416.638602728644	3421.41172528686	0
216	35	25376	-229041.1413	814837.3170250766	39.1100267323233	-101.6063406	274646.109139247	432220.99523714	3510.6322515924137	3390.67960319527	3411.3854566014584	3417.12201806123	0
217	35	25377	-228381.1413	814837.3170250766	39.11004229590175	-101.6040156	274847.4185						

ix	iy	x	Y.f	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevLogs.f	BRfElevBoth.f	SatThkBoth.f
293	25	25453	-178221.1413	814837.3170250766	39.11103961278325	-101.4273113	2901.30.97812040424	4331910.156812623	3308.0683219228376	3308.076828221772	3308.076828221772	13.48333831194396
294	35	25454	-177561.1413	814837.3170250766	39.11110576063432	-101.4249863	2903.32.06942664316	4331896.126566142	3312.9636236877853	3307.5432227188808	3193.4724674509116	32.179456276949153
295	35	25455	-178091.1413	814837.3170250766	39.1111282599011	-101.426812	2905.33.16032989717	4331802.996490447	3318.782456	3306.58194669236	3191.88531	14.86276343233357
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301	35	25461	-172941.1413	814837.3170250766	39.11118651228194	-101.4087106	2917.39.70279484475	4331797.918226363	3354.730256117863	3301.519492284045	3183.34728568699	17.318853157386893
302	35	25462	-172281.1413	814837.3170250766	39.11120095791304	-101.405385	2919.40.794536336	4331783.90714159	3358.864797504759	3300.81675035477	3183.05359416483	17.31643815557377
303	35	25463	-171621.1413	814837.3170250766	39.111212688447885	-101.4040604	2921.41.8819074421	4331869.862032281	3364.131718147116	3300.1497155107027	3182.2073035603554	17.314158571827426
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305	35	25465	-170301.1413	814837.3170250766	39.111235954979094	-101.3994102	2925.44.0602009089	4331861.805125071	3369.900864659646	3318.9110265640224	3180.726266182969	13.43087383753564
306	35	25466	-169641.1413	814837.3170250766	39.111247520881726	-101.3970851	2927.45.1490400811	4331857.77627626	3371.28571062809	3198.337788417507	3180.41622562612865	13.4308776741496
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313	35	25473	-165021.1413	814837.3170250766	39.11132722475756	-101.3808094	2941.52.766126204	4331829.5483423752	3397.493748173973	3194.925004597561	3185.4887767718506	13.4325139789538
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318	35	25478	-161721.1413	814837.3170250766	39.1113828088756	-101.3691839	2951.58.19925521966	4331809.451869061	3331.919594221673	3192.95005665854	3188.5806205450406	13.4327109932558102
319	35	25479	-161061.1413	814837.3170250766	39.11139379091792	-101.3668588	2953.59.2845570601	4331805.45889966	3344.715296374949	3192.5847284267907	3187.7953534004755	13.432765978643397
320	35	25480	-160401.1413	814837.3170250766	39.111404728097048	-101.3645337	2956.60.3745139514	4331780.400081471	3351.8333779348136	3192.251787339207	3187.428022726057	13.43271591922307
321	35	25481	-159741.1413	814837.3170250766	39.1114162036722	-101.3622068	2958.761.457258472	4331789.04134363	3358.991168948678	3191.899789112506	3187.508776884975	13.432750876884975
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331	35	25491	-153141.1413	814837.3170250766	39.11152207307558	-101.3389575	2977.72.30420301967	4331757.127443235	3403.945120858646	3188.3290570005056	3186.017539203282	13.432741021668254
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342	35	25502	-145891.1413	814837.3170250766	39.1116358043565	-101.3138712	2999.84.2129734349	4331712.875438185	3359.148989450733	3183.955169310298	3187.6653399301033	13.43275031391975
343	35	25503	-145221.1413	814837.3170250766	39.1116438803323	-101.311056	3001.85.2941495563	4331708.83551319	3354.280936272784	3183.514481778807	3187.3652146470654	13.432735486589113
344	35	25504	-144561.1413	814837.3170250766	39.1116537476135	-101.3087309	3003.86.375448896	4331704.81348464	3349.9891834536083	3183.603750915943	3187.052044415942	13.432735486589113
345	35	25505	-143									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.f	BRiElevBothKrg.f	SatBothKrg.f
419	35	25579	-95001.14133	814837.3172050766	39.11226520641505	-101.1343451	315466.922448789	3431403.688209525	3262.4952907372576	310.61216889369476	3079.0041217663074	31.6088047227304194	29.59679806837737
420	35	25580	-94001.14133	814837.3172050766	39.12271675620851	-101.1201299	315667.9850768715	3431399.564715106	3259.303018138784	310.6323401730483	3076.8848729184547	32.738557254050616	31.28985656993616
421	35	25581	-89781.14133	814837.3172050766	39.12270363891366	-101.1296283	315669.9506099158	3431396.670063569	3256.112517999598	310.6323401730483	3076.8848729184547	32.738557254050616	31.28985656993616
422	35	25582	-93001.14133	814837.3172050766	39.11226441	-101.1237096	316070.1252074968	3431396.673544338	3252.911224	310.71564407875006	3072.09821613067258	30.73417391764388	35.486424651247944
423	35	25583	-92421.14133	814837.3172050766	39.12290721725174	-101.1250445	316127.11887186405	3431387.654077099	3248.5117084096634	310.6303053298907	3069.6167732621875	30.7576322626793	35.7377297672224
424	35	25584	-91671.14133	814837.3172050766	39.11226698276135	-101.1227193	316472.550253225	3431383.453665511	3242.884832	310.549064164208	3066.9792032365127	30.76763433093938	34.8991637695134
425	35	25585	-91101.14133	814837.3172050766	39.1123030991644	-101.1203941	316673.3210311563	3431379.63029783	3237.257127130965	310.4375918727434	3063.945538806448	30.6431758	40.39205597629554
426	35	25586	-90401.14133	814837.3172050766	39.1123073664604	-101.118069	316744.368139675	3431376.63029783	3231.63707266132	310.3197275282462	3060.728278101413	30.61476503761323	49.115451011
427	35	25587	-89781.14133	814837.3172050766	39.12270363891366	-101.1157488	317075.4524351627	3431373.622891567	3227.03243267041	310.2112322434983	3064.98427588491	30.76763433093938	44.76797692057285
428	35	25588	-89121.14133	814837.3172050766	39.1227050372046	-101.1131486	317276.5176789453	3431376.512320174	3223.465305212528	310.789004651925	3051.160443	49.3253791025237	48.73589027386694
429	35	25589	-88461.14133	814837.3172050766	39.122767347078	-101.1109383	317477.5831356209	3431363.607723425	3219.85793684911	309.5251233552676	3045.659423227475	30.4721003188171	53.65659401275599
430	35	25590	-87801.14133	814837.3172050766	39.123364445761	-101.1067683	317678.644220392	3431359.608823505	3216.32968343108	308.213590943345	3038.84465	30.39263234903589	59.3688405704035
431	35	25591	-87411.14133	814837.3172050766	39.1233599663374	-101.1064431	317879.7137178662	3431355.593620634	3214.0736654407	306.853237	3031.816885342325	30.320673184989	65.305184
432	35	25592	-86481.14133	814837.3172050766	39.12345503989085	-101.104118	318080.777854048	3431351.587115593	3213.126613619472	305.425214822268	3026.3958401841392	30.2634041841392	69.40770307
433	35	25593	-86481.14133	814837.3172050766	39.123313662573	-101.1017928	318281.8424018507	3431347.58063744	3212.18581195427	305.380429186237	3026.583030223338	30.26277891200904	67.297317801749
434	35	25594	-85161.14133	814837.3172050766	39.12337163097604	-101.099476	318482.90677144076	3431343.547219633	3211.2309887491614	305.2467005240402	3031.02876289575	30.31169932950585	61.29707698984574
435	35	25595	-84501.14133	814837.3172050766	39.1232665230676	-101.0971425	318683.9706123067	3431339.56787223	3210.197340681578	304.903731687197	3038.51263086527	30.33715274662466	54.39110082192974
436	35	25596	-83841.14133	814837.3172050766	39.12336685353006	-101.0948173	318885.3047961423	3431335.561906507	3209.50671396443	309.293285330573	3041.9232644483914	30.4228240883796	45.45031445
437	35	25597	-83181.14133	814837.3172050766	39.123743665452	-101.0924921	319086.09881319193	3431331.556004272	3207.9199021123362	308.6769581846187	3046.733372209493	30.47788823791713	49.0606212976243
438	35	25598	-82521.14133	814837.3172050766	39.123300436524	-101.0901669	319287.164271028	3431327.550271215	3206.78130326216	308.546524005596	3050.544657320767	30.51571417575916	34.3744816296802
439	35	25599	-81861.14133	814837.3172050766	39.1233859725515	-101.0878418	319488.229953608	3431323.547094245	3204.72228178847	308.42136529430886	3052.6392784139634	30.533593924813924	31.5745734912518
440	35	25600	-81201.14133	814837.3172050766	39.1239114522215	-101.0855166	319689.28952864154	3431319.53616394	3201.74268819121	308.24614563349	3050.68956604037	30.5425835382587	36.4545399919143
441	35	25601	-80541.14133	814837.3172050766	39.12429723836868	-101.0829464	320064.15705967916	3431316.527454375	3200.874497456613	308.1974489269135	3050.68956604037	30.5425835382587	31.5745734912518
442	35	25602	-79881.14133	814837.3172050766	39.1240210545989	-101.0806963	3202901.415336169	3431310.529031982	3195.7840081493367	307.8512158551804	3049.5014252012333	30.50377565744915	39.733383941174
443	35	25603	-79221.14133	814837.3172050766	39.1240751970646	-101.0785411	320292.4871133134	3431307.5240155186	3193.45274838957	307.5662176737304	3047.0832273994467	30.47621852749319	39.62692047283675
444	35	25604	-78561.14133	814837.3172050766	39.124128800413	-101.0762159	320493.50471231745	3431303.519407173	3191.88953836547	307.5069257067235	3047.771844949316	30.51118923510812	30.2920258139427
445	35	25605	-77901.14133	814837.3172050766	39.12418211466945	-101.0738908	320694.6031	3431299.514899563	3190.285339392487	307.1566062185293	3042.363265812411	30.462389040618205	30.4726332721176
446	35	25606	-77241.14133	814837.3172050766	39.1242349998087	-101.0719566	320895.6653872507	3431295.51050624	3188.681713984493	307.122162968342	3040.271871898047	30.504727698483214	30.9497477973721
447	35	25607	-76581.14133	814837.3172050766	39.12429723836868	-101.0695944	321066.729454375	3431291.4897456613	3187.914897456613	306.9567748969513	3039.677448969513	30.5425835382587	31.5745734912518
448	35	25608	-75921.14133	814837.3172050766	39.1243391227004	-101.0672912	321297.783102949	3431287.50427949	3185.3451148700019	306.85119911903	3035.744550678874	30.533593924813924	31.5745734912518
449	35	25609	-75261.14133	814837.3172050766	39.1243905605724	-101.0645901	321498.8510724035	3431283.494124953	3183.525552654505	306.5298871284168	3035.78767875193	30.533593924813924	31.5745734912518
450	35	25610	-74601.14133	814837.3172050766	39.1244415492753	-101.0622469	321699.918186857	3431283.494124953	3181.965365767851	306.2873603454614	3030.04690429382	30.324045605	32.765274356858764
451	35	25611	-73941.14133	814837.3172050766	39.1244920888686	-101.0599397	321900.974	3431275.491188321	3181.851991428367	306.1257832914372	3032.132157282065	30.42751671126847	34.1256761616561
452	35	25612	-73281.14133	814837.3172050766	39.1245422	-101.0576145	322102.0318787015	3431271.48780353	3181.351048119126	305.9120766236306	3024.774518485804	30.502540621495246	34.4308917655315
453	35	25613	-72621.14133	814837.3172050766	39.1245910207275	-101.0552894	322303.0962102762	3431267.484423595	3180.775952345638	305.7145260731928	3021.91108752047	30.502540621495246	34.4308917655315
454	35	25614	-71961.14133	814837.3172050766	39.1246410122987	-101.0529462	322504.15705967916	3431263.48780353	3180.2411426702634	305.5819758942616	3019.16142920264	30.502540621495246	34.4308917655315
455	35	25615	-71301.14133	814837.3172050766	39.1246888	-101.0506928	322703.1271736452	3431259.478710268	3179.816753319538	305.053125805290513	3017.104974318246	30.502540621495246	34.4308917655315
456	35	25616	-70641.14133	814837.3172050766	39.1247385001934	-101.0483138	322906.2723592796	3431255.476905104	3185.907423251515	305.044974767367	3015.413492477791	30.502540621495246	34.4308917655315
457	35	25617	-69981.14133	814837.3172050766	39.12477858912904	-101.0459887	323107.33865378	3431251.47835063	3185.1973125193686	304.884225296861	3013.7537177294983	30.510460843225	35.131400187284
458	35	25618	-69321.14133	814837.3172050766	39.1248332090545	-101.0436635	323308.3871825353	3431247.471244533	3184.486905112857	304.8422583701855	3012.0974617573556	30.502540621495246	34.4308917655315
459	35	25619	-68661.14133	814837.3172050766	39.1248802376934	-101.0413383	323509.4587995634	3431243.059170525	3183.00526899193	304.8119073658603	3010.198457692576	30.502540621495246	34.4308917655315
460	35	25620	-68001.14133	814837.3172050766	39.1249357352986	-101.0390131	323710.518608238	3431239.46700004	3182.71965031933	304.76460824292	3009.544560513655	30.502540621495246	34.4308917655315
461	35	25621	-67341.14133	814837.3172050766	39.12498723836868	-101.0367184	323912.67352984	3431235.48780353	3182.4175891500019	304.71859148700019	3008.544560513655	30.502540621495246	34.4308917655315
462	35	25622	-66681.14133	814837.3172050766	39.1250183837734	-101.0343628	324103.463375423	3431231.463375423	3182.17613736888	304.6905843313995	3007.544560513655	30.502540621495246	34.4308917655315
463	35	25623	-66021.14133	814837.3172050766	39.1250633345204	-101.0320376	324313.699688354	3431227.460282349	3181.50302922503	304.7290244384176	2996.6199242151934	30.4672101688429	41.061125499619
464	35	25624	-65361.14133	814837.3172050766	39.1251082346157	-101.0297124	324514.761179979	3431223.460758741	3174.57167595078	303.530092573189935	2992.5547282189935	30.479310258750126	43.4661394043028
465	35	25625	-64701.14133	814837.3172050766	39.1251625486686	-101.0273872	324715.810553139	3431219.45904858	3172.19992596047	303.3017141940505	2988.43261682882	30.4680971117275	45.7768439
466	35	25626	-64041.14133	814837.3172050766	39.125196298112	-101.0250621	324916.873048986	3431215.45818992	3171.040843287323	302.9523683273	2984.226926	30.4680971117275	45.7768439
467	35	25627	-63381.14133										

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatBothLog30.ft	SatBothft.
545	35	25705	-11901.141327	814837.3172050766	39.112723725671606	-100.8413723	340799.9923831235	3025.0011339999903	2923.7983724295615	2842.189636218884	2842.38623760619	81.6087360307748	81.4137485435258
546	35	25706	-11921.141131	814837.3172050766	39.1127243500095	-100.839471	34101.038901504	3038.95823123951	2922.58145952508	2842.691487059213	2842.8136989502179	79.96666623	79.84449097319157
547	35	25707	-11989.14133	814837.3172050766	39.11272525671606	-100.83722	34120.9634201034	3038.9194084429	2914.95469437037	2842.3393366654	78.133702697350164	78.1105897350164	78.1105897350164
548	35	25708	-9261.1411327	814837.3172050766	39.11272559	-100.8343968	34120.93090411	3043.8379527678	2917.433305303593	2844.40962523616	2844.41147738067	75.92257809261137	75.92257809261137
549	35	25709	-9261.1411327	814837.3172050766	39.11272663276015	-100.8320716	341604.174281405	3038.88366779993	3022.930962226814	2919.146960538134	2846.023110453186	73.1328500442743	73.1832021029828
550	35	25710	-8601.1411327	814837.3172050766	39.1127274050361	-100.8297464	341805.219369304	3038.9797999941	3024.42086261704	2917.940174688474	2848.646904377993	69.39313332270437	69.39313332270437
551	35	25711	-7941.1411327	814837.3172050766	39.11272780335616	-100.8274212	342006.264302396	3038.75938379785	3026.140582238744	2916.712315923888	2851.964563272921	65.747256509696	64.877781382801
552	35	25712	-7281.1411327	814837.3172050766	39.1127283125616	-100.825096	342207.26038251804	3038.70209653424	3028.019127232744	2915.4635412577374	2856.14004418696	59.432496241781444	59.432496241781444
553	35	25713	-6621.1411327	814837.3172050766	39.1127287625616	-100.8227768	342408.3570824505	3038.6692671218	3028.041912373594	2914.95469437037	2861.138751043813	53.0686563497494	53.0686563497494
554	35	25714	-6061.1411327	814837.3172050766	39.1127292225621	-100.820456	342609.3981802953	3038.6043565262	3031.992607	2912.91100138398	2895.710524916204	46.27017547736798	46.27017547736798
555	35	25715	-5301.1411327	814837.3172050766	39.11272960554896	-100.8181204	342810.4424899894	3038.60409	3032.66533283879	2872.94509017467	2872.94509017467	38.669628313507474	38.6480131997144
556	35	25716	-4641.1411327	814837.3172050766	39.11272984382361	-100.8195762	343011.486643718	3038.0562961475	3032.054711	2910.30736562039	2979.728817428157	30.57854823381975	30.3953249
557	35	25717	-3981.1411327	814837.3172050766	39.11272904	-100.81347	343212.530667394	3038.077262927	3034.15588149156	2890.9929284695827	2886.548005701803	28.0127129994024	29.16040649
558	35	25718	-3321.1411327	814837.3172050766	39.11273044583815	-100.811448	343413.5745362781	3038.04819181309	3030.67276637927	2890.7681393406287	2891.49115318926	16.9040277298375	16.1616137854492
559	35	25719	-2661.1411327	814837.3172050766	39.11273068917877	-100.8088196	343614.6182431929	3038.03416597001	3030.818425396337	2906.3485840852582	2888.4654330279503	17.883667447700794	17.883667447700794
560	35	25720	-2001.1411327	814837.3172050766	39.11273084780753	-100.806485	343815.617976854	3038.04017147682	3029.8899157141093	2905.021456458523	2882.457607487763	22.56349896909122	22.72055748112412
561	35	25721	-1341.1411327	814837.3172050766	39.112730961524846	-100.8041693	344016.705199636	3038.036135652389	3029.4614897365048	2903.89270354058	2875.63870455557	28.0345309851082	27.91825545771848
562	35	25722	-681.1413269	814837.3172050766	39.11273103303067	-100.8018441	344217.748450232	3038.032151796658	3029.30309675781	2868.348792457457	2868.25057391002764	30.018271171835405	30.018271171835405
563	35	25723	-21.14132693	814837.3172050766	39.11273105422503	-100.7995189	344418.79154886796	3038.028167209393	3028.146802382623	2901.0333170478235	2860.27122890346	40.76208812748655	41.0852733583176
564	35	25724	638.858677033514	814837.3172050766	39.11273103303067	-100.7971937	344619.8349545397	3038.028167209393	3026.8073943228143	2899.7039043228143	2862.119312447574	42.55255796158943	42.55255796158943
565	35	25725	1298.858677033514	814837.3172050766	39.11273096479305	-100.7948689	344820.8779210007	3038.02198540985	3025.458768032291	2898.75592634905	2847.3715488673491	50.0044673918456	50.0044673918456
566	35	25726	1998.858677033514	814837.3172050766	39.112730856479305	-100.7924343	345021.9195952643	3038.01614459658	3024.114777623744	2897.049573768317	2845.8911887017284	58.4582622402733	51.5861554380439
567	35	25727	2698.858677033514	814837.3172050766	39.11273074592782	-100.789999	345220.951940574	3038.01254582493	3023.028458374	2894.789922888954	2842.640925405506	66.7885254	66.7885254
568	35	25728	3278.858677033514	814837.3172050766	39.112730500024696	-100.7878929	345420.044770110316	3038.008245820911	3021.4387702055419	2894.402345116695	2843.514755950053	74.087991666393	71.153491803566
569	35	25729	3938.858677033514	814837.3172050766	39.1127302445021	-100.7855677	345625.0466238	3038.00426227433	3020.377235705419	2893.08338824465	2846.011294348493	80.0224647000174	77.03389013183096
570	35	25730	4598.85867703351	814837.3172050766	39.11272996394256	-100.7832425	345826.08900447155	3038.00027860543	3019.764899950262	2891.764899950262	2848.538721557215	84.229768804766	82.9676123139576
571	35	25731	5258.85867703351	814837.3172050766	39.1127296256681	-100.7809173	346027.1309853023	3038.0166228285	3015.569195305684	2890.457195305684	2850.6357967889007	92.32912271445513	90.5249319666148
572	35	25732	5918.85867703351	814837.3172050766	39.1127294285792	-100.7789822	346228.17263722957	3037.99213181426	3012.401216	2889.152010653632	2851.14685569273035	100.00515470956176	97.37314919319641
573	35	25733	6578.85867703351	814837.3172050766	39.11272892303757	-100.7769913	346429.2142288597	3037.9836811306	3009.34469771513	2887.8508777889251	2848.67787889251	108.05898544	108.05898544
574	35	25734	7238.85867703351	814837.3172050766	39.112728597791	-100.7751684	346620.25797793	3037.9747878	3006.166655077943	2886.554922	2847.8243470911615	121.094110092562	118.15348391981142
575	35	25735	7898.85867703351	814837.3172050766	39.11272783786243	-100.771166	346831.2969635496	3037.98036194051	2996.367187090137	2885.263344371686	2847.163765577099	126.5465233217287	130.79057879458705
576	35	25736	8558.85867703351	814837.3172050766	39.11272777907465	-100.7692914	347032.33810714195	3037.96382191045	2993.846005514066	2883.87145205181	2846.263094824035	37.91075476498074	38.37316074498074
577	35	25737	9218.85867703351	814837.3172050766	39.1126673044115	-100.7669662	347233.3910183764	3037.94740692810	2991.324823305055	2882.6961275579605	2845.4900367572372	37.26069008072336	37.26069008072336
578	35	25738	9878.85867703351	814837.3172050766	39.11272602	-100.764641	347434.419471978	3037.96814133578	2988.80141030357	2882.4023985171035	2844.13482775148	36.689604677245	37.6793157358562
579	35	25739	10538.85867703351	814837.3172050766	39.1127253285455	-100.7623198	347635.4605465635	3037.947434743521	2987.1152778640003	2880.15907	2843.76710880423	34.6339989103965	36.5037580174
580	35	25740	11198.85867703351	814837.3172050766	39.112724592782	-100.759999	347836.501140574	3037.9254502207	2985.964785	2882.25889540543	2842.39119016535	32.718110092562	32.718110092562
581	35	25741	11858.85867703351	814837.3172050766	39.112723804611	-100.7576564	348037.5415949613	3037.9564730285	2985.40449	2881.72762597	2842.552727142435	30.782487206165	30.782487206165
582	35	25742	12518.85867703351	814837.3172050766	39.112722975038274	-100.7553402	348238.5184792474	3037.9524908414	2984.54865046335	2876.3714035675	2843.748390526977	32.82301996	32.82301996
583	35	25743	13178.85867703351	814837.3172050766	39.11272210070329	-100.753015	348439.62195316877	3037.9421096844	2983.5043683014	2875.1213748413087	2844.341273583356	37.6013917592584	31.9455174709257
584	35	25744	13838.85867703351	814837.3172050766	39.1127218145681	-100.750689	348640.661910981	3037.945292601	2982.271234670281	2873.975065612989	2845.3680181130662	45.507474990291	45.507474990291
585	35	25745	14498.85867703351	814837.3172050766	39.11272102729888	-100.7483467	348841.70172131655	3037.94084184798	2981.0832145113383	2872.632727238786	2846.921799426014	50.0044673918456	50.0044673918456
586	35	25746	15158.85867703351	814837.3172050766	39.11271920825935	-100.746039	349042.1473484031	3037.9658321127	2979.805305319502	2871.448971641593	2846.552881738026	52.46598312052486	52.46598312052486
587	35	25747	15818.85867703351	814837.3172050766	39.1127184527421	-100.7437818	349243.1642704356	3037.958100963	2978.8469100963	2870.121299447818	2845.71364969945	54.124471219171	54.124471219171
588	35	25748	16478.85867703351	814837.3172050766	39.11271705256656	-100.741391	349444.804	3037.92760731136	2976.29997552055	2868.9423055495	2845.003283375905	56.9348217790447	51.389100925621686
589	35	25749	17138.85867703351	814837.3172050766	39.11271591155214	-100.7390639	349645.856939318	3037.92462771074	2972.70782890137	2867.720917726837	2855.63055920896	58.55373397478	58.55373397478
590	35	25750	17798.85867703351	814837.3172050766	39.112714728369	-100.7367387	349846.8986705364	3037.92047070827	2970.115278	2866.503213561947	2855.9717348501546	60.961171193043	60.961171193043
591	35	25751	18458.85867703351	814837.3172050766	39.11271348921034	-100.7344135	350047.93760170497	3037.9166220285	2965.588891082657	2854.4374004232513	2853.3472663993	63.021906	63.021906
592	35	25752	19118.85867703351	814837.3172050766	39.11271221067224	-100.7320883	350248.978366794	3037.9126870244	2965.1282488	2854.077756152243	2851.0897250772035	65.9885054250796	65.

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.	W.Lt.	BREIELogKrg.f	BREIEBotKrg.f	SurfBotH.f	SatHBotH.f
671	25831	71258.85867307335	814837.3170250766	39.1124692685736	-105.5483987	3601.30.5969591655	4303398.822959287	2852.413549907246	2742.4705662665473	2690.703781370392	2693.3438093514774	51.76678129215543	49.12673531106993
672	25832	71191.85867307335	814837.3170250766	39.112464149191048	-105.5480736	366331.30.42735978	4303394.856336289	2851.956254	2741.20426253717	2688.599296	2691.2117134380502	52.60713308505802	49.99471589669698
673	25833	72518.85867307335	814837.3170250766	39.11246456946781	-105.5424884	366632.18.689434151	4303390.89045714	2851.979531486787	2739.2385597598133	2689.748825927419	2697.368690747768	54.8436839854725	50.91342760318492
674	25834	72328.85867307335	814837.3170250766	39.1124545370705	-105.5414232	367337.68.00017903	4303396.32427496	2851.967106198249	2738.6756103158414	2684.8582942075905	2687.721271548454	53.7962728833496	50.9339316009922
675	25835	73898.85867307335	814837.3170250766	39.112449631135844	-105.539008	366934.70.793124855	4303382.958671551	2848.6851750023133	2737.4037874043124	2683.152560251214	2685.48499	54.25122713308625	51.91906969
676	25836	74558.85867307335	814837.3170250766	39.1124448005368	-105.5367729	367135.73.46519454	4303378.962989575	2848.6811550253807	2736.124541258934	2681.4822837639126	2683.178661441746	55.04622749502157	52.947679817188146
677	25837	75218.85867307335	814837.3170250766	39.112439384060586	-105.5344477	367336.76.7618	4303375.062275804	2848.683628695565	2734.836289659565	2679.7348289437987	2681.1307402979333	55.0106071756268	53.6988414516318
678	25838	7628.85867307335	814837.3170250766	39.11243243415657	-105.5321225	367537.78.78816566	4303371.062310784	2835.876168649048	2733.538329220617	2678.482272239073	2679.674296	55.050607	53.86403742166158
679	25839	76538.85867307335	814837.3170250766	39.11242659784166	-105.5297874	367738.8156694015	4303367.87567452	2838.7187951486787	2732.2385597598133	2677.048426291024	2677.368690747768	54.8436839854725	50.91342760318492
680	25840	77798.85867307335	814837.3170250766	39.1124230261582	-105.5274722	367939.8424119409	4303363.13220157	2838.4559227027187	2730.9148482371816	2675.920811091391	2675.567104083448	54.936371579072	54.54738015373341
681	25841	77858.85867307335	814837.3170250766	39.11241855097907	-105.525147	368140.8690321895	4303359.167527779	2824.932323	2729.59125338986	2674.8463947007663	2675.253871591857	54.74576736815958	54.33828074752684
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694	25854	86398.85867307335	814837.3170250766	39.1123458081475	-105.4949198	370754.2035655326	4303307.64110455	2810.126051198237	2712.41709651457	2652.67134234395	2652.90540469282	57.5667507705052	57.5667507705052
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700	25860	90398.85867307335	814837.3170250766	39.11231027402765	-105.4810087	371958.36858584	4303283.968520988	2819.577377008155	2704.63937317308	2637.3405151727584	2637.3405151727584	72.35418	72.35418
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715	25875	100288.85867307335	814837.3170250766	39.11221457423375	-105.4460914	374975.696035038	4303224.563854522	2797.472099580					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtmsBothKrg.ft	SatHtBothKrg.ft
57	35	25957	-333981.1413	815497.3170250766	39.10879356424614	-101.9760335	242671.27346296157	4333067.360380307	3932.7156831744487	3813.4963762093026	3761.408825705238	3759.796928800385	52.0875503240652	53.699447228917506
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76	36	25976	-321441.1413	815497.3170250766	39.10921724149077	-101.9318605	246492.99687977045	4332990.03464076	3889.307687093649	3780.902771318554	3744.186168483836	3761.3749771318608	15.92523418669342	19.52329418669342
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89	36	25989	-312861.1413	815497.3170250766	39.1094977695058	-101.9016365	249107.80785428648	4332937.17488886	3853.706790715272	3751.6978634252105	3726.4054753983286	3736.80799014233	25.293109441921843	14.8898441093761
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93	36	25993	-310221.1413	815497.3170250766	39.10958258171906	-101.8923268	249912.3566040888	4332920.91559114	3842.8858103005654	3742.6165164858003	3723.71749501870326	3746.782362956178	17.77021373007713	12.27084356229198
94	36	25994	-309561.1413	815497.3170250766	39.10960368242265	-101.8900118	250113.94371418302	4332916.50597776	3840.54217963778	3739.647726076564	3727.505683302293	3742.04398708208	12.14202747274131	9.23236729636386
95	36	25995	-308901.1413	815497.3170250766	39.109624709790744	-101.8878678	250314.6294913913	4332912.78617687	3837.88938315583	3737.183666491473	3729.789943141442	3731.4556227169937	12.06804632153575	5.728046932153575
96	36	25996	-308241.1413	815497.3170250766	39.10964570643588	-101.885362	250515.76553691636	4332908.71272863	3834.916958	3734.7062770044963	3732.600240326497	3733.986590891262	2.10603397999232	0.1968611232342747
97	36	25997	-307581.1413	815497.3170250766	39.1096665817781	-101.883037	250716.9138928697	4332904.657	3831.9469821479574	3732.217018956654	3730.67388093295	3732.674069594561	0	0
98	36	25998	-306921.1413	815497.3170250766	39.10968757	-101.8807121	250918.038697697	4332900.59348348	3828.977006314143	3729.7161572744462	3731.623736049537	3742.780757352433	0	0
99	36	25999	-306261.1413	815497.3170250766	39.10970924386201	-101.8786062	251120.30496517	4332894.4900396	3826.6849400396	3727.1949	3729.6849400396	3746.1949	0	0
100	36	26000	-305601.1413	815497.3170250766	39.10972924386201	-101.8760022	251320.3074386201	4332890.45657969	3824.8858103005654	3724.681518320237	3728.61379501870326	3746.782362956178	17.77021373007713	12.27084356229198
101	36	26001	-304941.1413	815497.3170250766	39.10975001610974	-101.8737373	251521.4422232336	4332888.402	3818.526696064725					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	SurfElev.ft	W.Lt	BREIEvLogs.kg.ft	BREIEvBoth.kg.ft	SatThkLogs.ft	SatThkBoth.ft
183	36	26083	-250821.1413	815497.3170250766	39.11300520245415	-01.6830678	268013.680412229	432355.773886939	3619.907778456581	3484.8909616689234	3528.392724049883	3530.055110786515	0
184	36	26084	-250161.1413	815497.3170250766	39.11317565249955	-01.6807626	268214.79525056873	432551.724585807	3615.0636301728713	3491.542660040578	3530.902115835743	3532.4271799221803	0
185	36	26085	-249501.1413	815497.3170250766	39.11455628996356	-01.6764737	268415.919397778	432547.4745009114	3612.438468891814	3488.76499051814	3533.472857788134	3535.427857788134	0
186	36	26086	-248841.1413	815497.3170250766	39.11315150253934	-01.6716125	268617.02540505026	432543.626400554	3605.407238032457	3485.716243032457	3537.215754	3538.5098539928767	0
187	36	26087	-248181.1413	815497.3170250766	39.1136843082413	-01.6737874	268818.1394655987	432535.9777019765	3600.612622891041	3482.6410312367834	3537.13178822151	3538.3753437887444	0
188	36	26088	-247521.1413	815497.3170250766	39.1135260220232	-01.6714624	269019.253656619	432535.5290851705	3595.854349745932	3479.5578377510788	3531.066302139532	3532.29682311819	0
189	36	26089	-246861.1413	815497.3170250766	39.1140211667378	-01.6691373	269220.3671832635	432531.480640112	3591.09607660822	3476.467010204295	3523.0214810451093	3527.9174465455	0
190	36	26090	-246201.1413	815497.3170250766	39.1141889223858	-01.6668123	269421.4813539178	432527.432	3586.337803457118	3473.369819687214	3515.29584528324	3516.650687821633	0
191	36	26091	-245541.1413	815497.3170250766	39.11455628996356	-01.6644672	269622.5949693452	432523.384065251	3588.823747777699	3470.267974	3508.073815291813	3509.743753047228	0
192	36	26092	-244881.1413	815497.3170250766	39.11452306847955	-01.6621522	269823.701357765	432519.33635431	3574.553995548925	3467.1456248013946	3501.8740753020114	3503.5123273958	0
193	36	26093	-244221.1413	815497.3170250766	39.1146894942455	-01.6598371	270024.821910563	432515.28857338	3568.284263527164	3464.092165305186	3496.4035705727274	3498.0552785797	0
194	36	26094	-243561.1413	815497.3170250766	39.11485545430114	-01.6575121	270225.340152399	432511.24099094	3562.014422	3460.9016805302654	3491.4520101403714	3490.0824962393	0
195	36	26095	-242901.1413	815497.3170250766	39.11510209646093	-01.655187	270427.0466123356	432507.193576308	3554.767621430067	3457.767696497737	3486.8089374693564	3488.468622971904	0
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197	36	26097	-241581.1413	815497.3170250766	39.11535056381874	-01.6505369	270829.2711260991	432499.999262111	3538.3198870125263	3451.4838010108523	3477.7899501947807	3479.47801477015	0
198	36	26098	-240921.1413	815497.3170250766	39.1155148011192	-01.6482118	271030.3830431226	432495.052362556	3530.0961689037563	3449.335078349317	3473.3341052810385	3475.07165512185	0
199	36	26099	-240261.1413	815497.3170250766	39.11556781514984	-01.6458868	271231.49473390274	432491.005634685	3530.8905953480316	3445.1824435676782	3468.9979230784816	3471.071174	0
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204	36	26104	-236961.1413	815497.3170250766	39.1164935425204	-01.6342615	272237.049008881	432470.74568378	3559.845876355498	3429.361734718272	3450.845310364714	3454.3915677607091	0
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208	36	26108	-234321.1413	815497.3170250766	39.11711731	-01.6249612	273041.489902508	432454.592806562	3524.171511999607	3416.627002025193	3437.660406524293	3443.721447534568	0
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210	36	26110	-233001.1413	815497.3170250766	39.1174497308718	-01.6203111	273443.70855716075	432446.50265365	3526.90133112033	3410.2352346588123	3432.780263520096	3439.12912133015	0
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212	36	26112	-231681.1413	815497.3170250766	39.117765931339	-01.6154933	273845.9263165579	432438.413700915	3523.30633060015	3403.99324390015	3424.751571975607	3434.01524713015	0
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215	36	26115	-229701.1413	815497.3170250766	39.1182368659762	-01.6086857	274449.251280636	432326.281330258	3519.8365531127442	3394.2441146647216	3417.273730783874	3426.228858425974	0
216	36	26116	-229041.1413	815497.3170250766	39.1183929457734	-01.6063066	274650.3951561421	432322.237191905	3527.1518644754897	3391.0512502852041	3412.16649388037	3417.738502402411	0
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218	36	26118	-227721.1413	815497.3170250766	39.118703758147	-01.6017014	275052.5742395045	432314.15041015	3541.782472009095	3404.311336	3401.911336	3405.330029169	0
219	36	26119	-227061.1413	815497.3170250766	39.1188584901254	-01.5993584	275258.88144719594	432311.80851372	3534.2440091901244	3391.48929365949	3404.14235258375	3408.1467177002	0
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221	36	26121	-225741.1413	815497.3170250766	39.119166608252	-01.5947352	275655.895198928	432302.021041656	3539.458474421207	3375.161338061252	3391.806485995482	3401.53864162987	0
222	36	26122	-225081.1413	815497.3170250766	39.1193199396774	-01.5924101	275857.01240105564	432297.97260588	3537.0672036748	3372.02585510388	3387.770136322763	3396.953911679289	0
223	36	26123	-224421.1413	815497.3170250766	39.11947293023114	-01.590085	276058.1080376906	432339.936	3534.053626641297	3368.858277439004	3383.877348191865	3392.5955150987013	0
224	36	26124	-223761.1413	815497.3170250766	39.1196241741816	-01.58776	276259.214164239	432329.893212982	3530.41614303349	3367.3150063936	3379.494681946928	3389.175033605514	0
225	36	26125	-223101.1413	815497.3170250766	39.119780582814	-01.5853851	276460.329493817	432325.819859751	3527.928548977851	3367.1954977861	3377.1235097994	3387.1235097994	0
226	36	26126	-222441.1413	815497.3170250766	39.1199204545024	-01.5831098	276661.42570280767	432318.80851372	3523.14778581877	3359.49505650999	3372.599057344488	3384.101308963615	0
227	36	26127	-221781.1413	815497.3170250766	39.1200801845138	-01.5807847	276862.5314111383	432317.766927795	3517.771652223296	3356.365500349454	3369.5591961486352	3381.061321199024	0
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229	36	26129	-220461.1413	815497.3170250766	39.1203811711859	-01.5761345	277264.3157370095	432339.684	3503.537059510884	3350.1898013732907	3363.645716	3374.461100841791	0
230	36	26130	-219801.1413	815497.3170250766	39.1205300909035	-01.5738094	277465.8613495413	432335.642185902	3496.420381545783	3347.11719568703	3361.957215340124	3371.78717928284	0
231	36	26131	-219141.1413	815497.3170250766	39.1206862554541	-01.5714843	277666.566931874	432329.6180948193	3492.8514359849	3344.8514359849	3360.816522632895	3369.697811216337	0
232	36	26132	-218481.1413	815497.3170250766	39.120821481009	-01.5691592	277868.0550315821	432327.559881928	3487.892238646997	3341.004595467466	3360.814570127737	3368.66510395814	0
233	36	26133	-217821.1413	815497.3170250766	39.1209775935802	-01.5668341	278069.159513002	432335.51887108	3484.57913	3337.96719200608	3360.838840146476	3367.67194542713	0
234	36	26134	-217161.1413	815497.3170250766	39.1211255899791	-01.5645091	278270.2631	4323349.478263717	3				

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatThkLg.f	SatThkBoth.f
309	36209	-167661.1413	815497.3170250766	39.133094542254146	-101.3901245	293352.44630121253	3230426.9120522635	3284.8198289539846	3196.978293193061	3178.247806269457	3214.786783191371	3178.121256611512
310	36210	-167601.1413	815497.3170250766	39.13105528810036	-101.3877993	339353.531485505	323024.843833208	3278.27920050509	3196.505237266883	3178.758717753406	3207.647395582628	317.468519513422754
311	36211	-166981.1413	815497.3170250766	39.131127045693	-101.3878472	339352.44630121253	323042.843833208	3284.8198289539846	3196.978293193061	3178.247806269457	3214.786783191371	3178.121256611512
312	36212	-165681.1413	815497.3170250766	39.13128567191212	-101.383149	339353.531485505	323024.843833208	3278.27920050509	3196.505237266883	3178.758717753406	3207.647395582628	317.468519513422754
313	36213	-165021.1413	815497.3170250766	39.13139819018215	-101.3808238	324156.79647132655	323075.8002311855	3306.49317303245466	3195.196958216019	3181.6500971001437	3223.785517373466	315.46686115875345
314	36214	-164361.1413	815497.3170250766	39.1315102559349	-101.3748987	294357.8835065205	323026.751822533	3191.0868234131176	3194.7924537474787	3183.148558067638	3245.944507883228	314.66159569584037
315	36215	-163701.1413	815497.3170250766	39.13162187490524	-101.3761735	294585.07393391907	323022.748371909	328.874284758033	3194.401827	3183.6429861274332	3266.771027464583	10.758912726045457
316	36216	-163041.1413	815497.3170250766	39.131733030668	-101.3734884	2947460.057	323028.17827712	3306.49317303245466	3195.196958216019	3181.6500971001437	3223.785517373466	315.46686115875345
317	36217	-162381.1413	815497.3170250766	39.131845722281	-101.3715252	294661.143897763	323024.843833208	3278.27920050509	3196.505237266883	3178.758717753406	3207.647395582628	317.468519513422754
318	36218	-161721.1413	815497.3170250766	39.1319540458875	-101.3691198	294756.2296241007	323026.751822533	328.874284758033	3194.401827	3183.6429861274332	3266.771027464583	10.758912726045457
319	36219	-161061.1413	815497.3170250766	39.132063868485	-101.3668729	295363.1564872037	323006.624575825	3356.1064374881385	3192.94700878918	3181.912591659672	3275.70023739802	11.03441712550098
320	36220	-160401.1413	815497.3170250766	39.1321732423075	-101.3654477	295564.04174183917	323002.616571802	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
321	36221	-159741.1413	815497.3170250766	39.1322821866545	-101.3622225	295765.48709355616	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
322	36222	-159081.1413	815497.3170250766	39.1323906450218	-101.3598974	295966.7251439133	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
323	36223	-158421.1413	815497.3170250766	39.13249867272694	-101.3575722	296167.657343473	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
324	36224	-157761.1413	815497.3170250766	39.1326062504299	-101.355247	296368.7427533964	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
325	36225	-157101.1413	815497.3170250766	39.1327133794809	-101.3529219	296569.8275707914	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
326	36226	-156441.1413	815497.3170250766	39.132820504301	-101.3505967	296770.8121904882	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
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329	36229	-154461.1413	815497.3170250766	39.1331342460623	-101.3436212	297374.1648611261	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
330	36230	-153801.1413	815497.3170250766	39.1332428820076	-101.341296	297575.2486548926	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
331	36231	-153141.1413	815497.3170250766	39.1333497128916	-101.339145	297776.3232855596	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
332	36232	-152481.1413	815497.3170250766	39.133450780191	-101.3366547	297977.4158065285	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
333	36233	-151821.1413	815497.3170250766	39.133554244273	-101.3342025	298178.499028565	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
334	36234	-151161.1413	815497.3170250766	39.1336573313717	-101.3319953	298379.5820524473	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
335	36235	-150501.1413	815497.3170250766	39.1337599693921	-101.3296701	298580.6648776075	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
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337	36237	-149181.1413	815497.3170250766	39.1339693981263	-101.3250168	298982.8269244075	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
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339	36239	-147861.1413	815497.3170250766	39.1341660304304	-101.3203694	299384.9941980275	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
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354	36254	-137961.1413	815497.3170250766	39.135626471795	-101.2854917	302401.2011254473	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
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356	36256	-136641.1413	815497.3170250766	39.13583162447595	-101.2808413	302803.3587307814	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
357	36257	-135981.1413	815497.3170250766	39.1359304921622	-101.2785173	303004.4372241576	323006.624575825	3361.32534654032	3192.601103397685	3180.95574223941	3275.70023739802	11.03441712550098
358	36258	-135321.1413	815497.3170250766	39.1360295974077	-101.2761905	303205.5155959276	3					

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElev.f	SurfElev.f
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436	36	26336	-83841.14133	815497.3170250766	39.114811304470726	-11.0948246	318889.04404387448	3215.362061784938	308.5051434880535	3037.7104678543874	303.8420774865591	31.19467553663794
437	36	26337	-83181.14133	815497.3170250766	39.11486862320695	-11.0938484	318909.19814294943	3215.15322469431943	307.657851571107	304.62564653183	303.524832474	44.98984947439774
438	36	26338	-82521.14133	815497.3170250766	39.11491625526946	-11.0901742	318921.1716264731	3215.357624653423	309.8587236564503	305.581679040894	304.70074055053223	39.86378531440852
439	36	26339	-81861.14133	815497.3170250766	39.1149821830089	-11.0878489	319492.23403318884	3215.3524738884783	3207.769533854556	3083.864659	3047.759781674663	34.04890565
440	36	26340	-81201.14133	815497.3170250766	39.11420376642039	-11.0855237	319693.2986003535	3215.35233135993	3202.420212582511	3082.113358784146	304.364565642638	30.1647726748334
441	36	26341	-80541.14133	815497.3170250766	39.1142092962789	-11.0831985	319894.361	3215.351672791047	3203.048097804655	3047.7470587815996	304.8613765960926	32.82587813699736
442	36	26342	-79881.14133	815497.3170250766	39.1142147272343	-11.0808732	320095.4283727511	3215.3512712887947	3060.0474167	3078.517459137276	3048.484112291179	30.21633622548725
443	36	26343	-79221.14133	815497.3170250766	39.11422011130986	-11.078848	320296.46865890354	3215.351672791047	3186.539840081384	3076.67851571107	304.62564653183	31.9351571185896
444	36	26344	-78561.14133	815497.3170250766	39.114225509778514	-11.0762228	3210504.712738226	3186.6310909357	3186.6310909357	3042.733205395654	3043.195786413263	32.0698049119175
445	36	26345	-77901.14133	815497.3170250766	39.1142203338307	-11.0738978	320686.6110555895	3214.7353780915957	3072.06836558946	3040.6743891166796	304.715984819585	32.2324384
446	36	26346	-77241.14133	815497.3170250766	39.11422611955555	-11.0715723	320899.6731266443	3214.964374099768	3192.83647105302	307.907268	3038.426832269693	32.56043520373181
447	36	26347	-76581.14133	815497.3170250766	39.114241345721034	-11.0692471	321100.73502218816	3214.964374099768	3192.83647105302	307.907268	3038.426832269693	32.56043520373181
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451	36	26351	-73941.14133	815497.3170250766	39.1142618154245	-11.0599462	321904.808532628	3214.7663826741	3184.575938329027	3061.10712710515	3025.41406243373	35.66890547771421
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454	36	26354	-71961.14133	815497.3170250766	39.1142767243317	-11.0529705	322508.163396347	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
455	36	26355	-71301.14133	815497.3170250766	39.11428159877058	-11.0506452	322790.2238920405	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
456	36	26356	-70641.14133	815497.3170250766	39.11428623972555	-11.04832	322910.2847174856	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
457	36	26357	-70001.14133	815497.3170250766	39.11429112811951	-11.0460384	323114.344693954	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
458	36	26358	-69321.14133	815497.3170250766	39.114295952514476	-11.043695	323312.044374185	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
459	36	26359	-68661.14133	815497.3170250766	39.11430064701784	-11.0413443	323513.46425253716	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
460	36	26360	-68001.14133	815497.3170250766	39.114305297285355	-11.0390191	323714.523885068	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
461	36	26361	-67341.14133	815497.3170250766	39.11430990225137	-11.0368938	323915.6334482985	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
462	36	26362	-66681.14133	815497.3170250766	39.114314463205245	-11.034368	324116.6423313915	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
463	36	26363	-66021.14133	815497.3170250766	39.11431925949791	-11.0318767	324317.7017472043	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
464	36	26364	-65361.14133	815497.3170250766	39.11432346	-11.0297181	324514.65059855	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
465	36	26365	-64701.14133	815497.3170250766	39.11432782963684	-11.0273392	324718.9185	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
466	36	26366	-64041.14133	815497.3170250766	39.11433253339877	-11.0250577	324920.870606929	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
467	36	26367	-63381.14133	815497.3170250766	39.114337688891646	-11.0227424	325121.936489081	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
468	36	26368	-62721.14133	815497.3170250766	39.114340879472316	-11.0204172	325322.99474599026	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
469	36	26369	-62061.14133	815497.3170250766	39.114345125100744	-11.0180189	325524.05283187225	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
470	36	26370	-61401.14133	815497.3170250766	39.11434925949791	-11.0157687	325714.65059855	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
471	36	26371	-60741.14133	815497.3170250766	39.11435348	-11.0134415	325926.16849138674	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
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473	36	26373	-59421.14133	815497.3170250766	39.11436168682005	-11.008791	326328.3486930456	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
474	36	26374	-58761.14133	815497.3170250766	39.11436568	-11.0064658	326529.3407031603	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
475	36	26375	-58101.14133	815497.3170250766	39.1143699599408	-11.0041405	326730.3977672216	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
476	36	26376	-57441.14133	815497.3170250766	39.114373587270695	-11.0018153	326931.454661709	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
477	36	26377	-56781.14133	815497.3170250766	39.11437769471065	-11.0000356	327138.6481917888	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
478	36	26378	-56121.14133	815497.3170250766	39.1143815115077	-11.0097168	327345.65379472111	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
479	36	26379	-55461.14133	815497.3170250766	39.11438511165076	-11.0084396	327534.6423296524	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
480	36	26380	-54801.14133	815497.3170250766	39.11438886328417	-11.0062143	327735.6805478242	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
481	36	26381	-54141.14133	815497.3170250766	39.11439257000525	-11.0039189	327936.7369745136	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
482	36	26382	-53481.14133	815497.3170250766	39.11439623181403	-11.0018738	328137.79247867916	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
483	36	26383	-52821.14133	815497.3170250766	39.1143999471065	-11.0000356	328338.6481917888	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
484	36	26384	-52161.14133	815497.3170250766	39.114403205454	-11.0000356	328539.6973691043	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
485	36	26385	-51501.14133	815497.3170250766	39.11440694776305	-11.0000356	328740.7511430207	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
486	36	26386	-50841.14133	815497.3170250766	39.11441043	-11.0000356	328942.01432415396	3214.68467374036	3186.78549386257	3057.030533150533	3021.230958571633	35.79843812787203
487	36	26387	-50181.14133	815497.3170250766	39.114413867172715	-11.0000356	329143.0696662151	3214.68467374036	3186.78549386257	3057.0305331		

ix	iy	x	Y	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRLElevKgr.f	BRLElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
561	26461	-1341.1411327	815497.3170250766	39.1145439311074	-100.8041694	344020.69272467087	3029.2416262780944	3093.8093643980515	2875.688080773614	2876.116497727533	28.12128362690044	27.69266860576196
562	26462	-681.8113269	815497.3170250766	39.11454360118294	-100.8104841	344221.73579586826	3028.465662834284	3092.8497479730281	2887.51253847128	2868.217706640248	34.76258689610002	34.271109073
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564	26464	638.58673033514	815497.3170250766	39.11454362995504	-100.7971136	344623.8614942315	3024.802536514387	3099.9497174174367	2891.5402618433225	2896.379563302213	52.30946553300242	53.1301384221369
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567	26467	2618.858673033514	815497.3170250766	39.1145433046698	-100.7902179	345226.8488012813	3021.303103812778	3031.55766459571	2895.903592415484	2841.097473	56.0294705	56.0294705
568	26468	3278.858673033514	815497.3170250766	39.1145431	-100.7878926	345427.9910684739	3021.030942	3019.55786635485	2894.5931584436395	2842.225975294878	52.57606190511706	52.57606190511706
569	26469	3938.858673033514	815497.3170250766	39.11454286421	-100.7856574	345629.033890567	3019.05143619653	3017.8855762340345	2893.2655110167938	2845.474348	47.81126558593657	47.81126558593657
570	26470	4598.858673033514	815497.3170250766	39.1145425372488	-100.7832421	345830.0749513421	3018.00145263933	3016.213261035157	2891.9819748215	2849.4570540787213	42.40461599447235	42.40461599447235
571	26471	5258.858673033514	815497.3170250766	39.114542538188	-100.7809169	346011.11666742887	3017.03954920593	3015.155730218547	2890.824528315846	2853.23475702027	37.447601295574	37.4279743223245
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574	26474	7238.858673033514	815497.3170250766	39.1145409622561	-100.7739411	346634.2040167541	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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576	26476	8558.858673033514	815497.3170250766	39.1145399760031	-100.769296	347036.3230256914	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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585	26485	14498.858673033514	815497.3170250766	39.114532681288	-100.7483634	348845.685039631	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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589	26489	17138.858673033514	815497.3170250766	39.11452896478984	-100.7390264	349649.9216320258	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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591	26491	18458.858673033514	815497.3170250766	39.1145261185403	-100.7344119	350051.9186969055	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
592	26492	19118.858673033514	815497.3170250766	39.114524584	-100.7320677	350252.95847946557	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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607	26507	29018.858673033514	815497.3170250766	39.1145002719196	-100.6972079	353268.5202620964	3030.9934860134	3008.712975896045	2896.387524652196	2853.7750287332	34.48816850014918	34.48816850014918
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609	26509	30338.858673033514	815497.3170250766	39.11449622658484	-100.6925574	353670.59271816	30					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SurfHtBoth.kg.f	SurfBoth.ft
637	36	26587	81818.85867307335	815497.3170250766	39.11419857508525	-100.5111188	369350.991581043	4330536.539193957	4231325694	2721.3402647761714	2667.634401392857	2666.9621189612353	53.7836833831441	54.37814581493603
638	36	26588	81824.85867307335	815497.3170250766	39.11419296483105	-100.5088336	369552.0171932744	4330532.575492493	4281.756674777455	2720.011167548485	2666.274203537393	2665.23616697911455	53.78743511105959	54.65949756569704
639	36	26589	81830.85867307335	815497.3170250766	39.11419498649606	-100.505384	369735.0457190975	4330528.6119847474	4281.0682265537421	2710.8146924662338	2664.53859489542	2663.6297704828994	53.78920117715441	54.955760351544113
640	36	26590	81836.85867307335	815497.3170250766	39.11418166988685	-100.5042132	369954.0677877087	4330524.648592797	4280.816359198725	2710.116359198725	2662.643819	2661.709330116453	54.79172226825044	55.57326217812616
641	36	26591	81844.85867307335	815497.3170250766	39.11417594496866	-100.5018879	370155.0930574214	4330520.68358459	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
642	36	26592	81851.85867307335	815497.3170250766	39.11417017519493	-100.4995627	370356.1181123282	4330516.722360447	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
643	36	26593	81857.85867307335	815497.3170250766	39.11416360481112	-100.4972375	370557.1430420061	4330512.759601201	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
644	36	26594	81864.85867307335	815497.3170250766	39.1141581	-100.4949123	370758.1678465885	4330508.796806086	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
645	36	26595	81870.85867307335	815497.3170250766	39.114152681779	-100.492687	370959.1925248996	4330504.83478661	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
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649	36	26599	81896.85867307335	815497.3170250766	39.11412852904873	-100.4832861	371763.2900016855	4330488.98584271	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
650	36	26600	81902.85867307335	815497.3170250766	39.1141239959188	-100.480969	371964.3140604796	4330485.01456631	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
701	36	26601	81908.85867307335	815497.3170250766	39.1141262594931	-100.4786357	372165.379956704	4330481.06353178	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
702	36	26602	81914.85867307335	815497.3170250766	39.1141100702771	-100.4763105	372366.3618714738	4330477.101281358	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
703	36	26603	81920.85867307335	815497.3170250766	39.11410374319042	-100.4738952	372567.3854960864	4330473.14009517	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
704	36	26604	81926.85867307335	815497.3170250766	39.11409734443638	-100.47166	372768.409061723	4330469.17957613	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
705	36	26605	81932.85867307335	815497.3170250766	39.1140910807905	-100.4693348	372969.43505457913	4330465.218	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
706	36	26606	81938.85867307335	815497.3170250766	39.1140846222296	-100.4670096	373170.455248611	4330461.258	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
707	36	26607	81944.85867307335	815497.3170250766	39.1140782399518	-100.4646844	373371.4790227426	4330457.29206399	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
708	36	26608	81950.85867307335	815497.3170250766	39.11407170535244	-100.4623591	373572.5020965211	4330453.36678171	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
709	36	26609	81956.85867307335	815497.3170250766	39.1140651794974	-100.4600384	373769.524559857	4330449.43857012	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
710	36	26610	81962.85867307335	815497.3170250766	39.1140585385333	-100.4577707	373974.54784383	4330445.41648413	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
711	36	26611	81968.85867307335	815497.3170250766	39.11405201570903	-100.4553835	374175.570949163	4330441.455	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
712	36	26612	81974.85867307335	815497.3170250766	39.1140453476114	-100.4530583	374376.5931835197	4330437.497	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
713	36	26613	81980.85867307335	815497.3170250766	39.1140386347159	-100.450733	374577.6156519319	4330433.573450374	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
714	36	26614	81986.85867307335	815497.3170250766	39.11403181782	-100.4484078	374778.637998978	4330429.578	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
715	36	26615	81992.85867307335	815497.3170250766	39.11402527408715	-100.4460826	374979.666252093	4330425.618831978	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
716	36	26616	81998.85867307335	815497.3170250766	39.11401861004	-100.4437574	375180.681410046	4330421.659920745	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
717	36	26617	82004.85867307335	815497.3170250766	39.1140113330347	-100.4414322	375381.7041645576	4330417.701061635	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
718	36	26618	82010.85867307335	815497.3170250766	39.1140044	-100.439107	375582.7262817894	4330413.742483816	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
719	36	26619	82016.85867307335	815497.3170250766	39.1139974138736	-100.4367818	375783.7480272037	4330409.783503124	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
720	36	26620	82022.85867307335	815497.3170250766	39.1139903654543	-100.4344565	375984.7969529058	4330405.82955616	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
721	36	26621	82028.85867307335	815497.3170250766	39.113983314320956	-100.4321133	376185.7911599991	4330401.867	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
722	36	26622	82034.85867307335	815497.3170250766	39.11397621964809	-100.429801	376386.812545989	4330397.9897728	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
723	36	26623	82040.85867307335	815497.3170250766	39.11396903502398	-100.4274809	376587.83317753	4330383.95155897	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
724	36	26624	82046.85867307335	815497.3170250766	39.11396182010618	-100.4251557	376788.854626553	4330379.93867673	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
725	36	26625	82052.85867307335	815497.3170250766	39.11395452716716	-100.4228305	376989.8579928647	4330366.33686272	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
726	36	26626	82058.85867307335	815497.3170250766	39.11394727941738	-100.4205053	377190.8960457645	4330352.07903487	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
727	36	26627	82064.85867307335	815497.3170250766	39.1139399377705	-100.41818	377391.917680043	4330338.12187508	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
728	36	26628	82070.85867307335	815497.3170250766	39.1139325102625	-100.415848	377592.933735415	4330324.16488932	4280.8179505080691	2716.0455350788297	2660.137955906355	2659.915722528014	55.905797172474925	56.129822528019325
729	36	26629	82076.85867307335	815497.3170250766	39.11392511964809	-100.4135272	377794.9791964809	4330310.269851728	4280.81					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	Alt3Kgr.ft	SurfBoth.ft
73	27	7613	-322421.1413	816157.3170250766	-91.0986391740362	-91.0986834	245894.84710299482	433230.215906925	3902.1484350509545	3767.323401180063	3746.974025750502	3767.7924973069544	304393.754295605	19.5303087
74	27	7614	-322761.1413	816157.3170250766	-91.0986592405054	-91.0986385	24604.788550902	433119.4517019	3906.09109743818	3756.209353658715	3745.95756815814165	3770.374135637564	304418.355455499	14.473624973119058
75	27	7615	-323101.1413	816157.3170250766	-91.1007843628166	-91.0984138	246956.9297171561	433314.363289178	3884.4983251978473	3744.93382530335	3738.17178408163	38.15278936819334	21.834456381386013	14.965376370272375
76	27	7616	-323441.1413	816157.3170250766	-91.110297390159	-91.0981885	246971.070596952	433191.314554078	3891.346713024246	3780.947013802077	3743.14039111759	3784.2501182413	37.63297470380666	16.615763170182638
77	27	7617	-323781.1413	816157.3170250766	-91.11055188256515	-91.0929536	246688.211225495	433167.24681704	3888.202903191215	3778.798717217164	3742.075971849916	3759.909746559432	36.72274553247266	18.88892562121354
78	27	7618	-320121.1413	816157.3170250766	-91.110733307768	-91.0927236	246899.35160296346	433183.1782056	3766.638542351273	3741.62780432713	3754.4767817082927	35.1051738	22.161734528363047	18.772045637125552
79	27	7619	-319461.1413	816157.3170250766	-91.11095154255025	-91.09249136	247100.4917269537	433179.11151122	3882.4051754158555	3744.463913536905	3739.890140829746	3747.41643982365	37.1877727071596	22.047456371325552
80	27	7620	-318801.1413	816157.3170250766	-91.111166898956	-91.0922886	247301.61166895348	433175.403700903	3880.241150780323	3772.274116956129	3739.550192000517	3749.8589896537515	33.7099775077426	22.41571730237764
81	27	7621	-318141.1413	816157.3170250766	-91.112084068916	-91.0920287	247502.7123120456	433149.363289178	3874.691156252651	3770.969415094557	3738.9417838197373	3749.1336997131657	33.1268312748187	21.834456381386013
82	27	7622	-317481.1413	816157.3170250766	-91.1116015647283	-91.0917587	247703.9105454342	433166.90510559	3875.941310055697	3767.846141330111	3735.494105110807	3741.61129693467	32.3520321930441	20.685011365650415
83	27	7623	-316821.1413	816157.3170250766	-91.11187147405546	-91.0915617	247905.40937318586	433162.84273447	3873.012254480355	3765.06484895627	3734.74581156243933	3745.1364783343652	30.86083236523333	20.44745637161636
84	27	7624	-316161.1413	816157.3170250766	-91.1120238433324	-91.0913287	248106.18860735156	433158.775061978	3869.37456688259	3763.343909	3733.207374486536	3742.663849886299	34.11943624611614	20.68549443371
85	27	7625	-315501.1413	816157.3170250766	-91.1122472455688	-91.09109638	248307.3273222936	433154.790920025	3865.7369188487033	3761.073607190272	3731.899628485696	3740.26688288296	29.1739317753713	20.80391836211137
86	27	7626	-314841.1413	816157.3170250766	-91.112462207641	-91.0908388	248508.45665690908	433150.46202909	3862.09525106878	3758.794330835754	3730.690767382904	3738.029179257919	28.083356355215074	20.7520367853704
87	27	7627	-314181.1413	816157.3170250766	-91.1126762209186	-91.0906318	248709.60373695826	433145.673566663	3858.6196271144645	3756.494848494569	3728.878119274206	3739.364268166983	27.58856542216296	20.7702607787254
88	27	7628	-313521.1413	816157.3170250766	-91.11289758703076	-91.0903889	248910.74161121622	433142.510238716	3855.29804967462	3754.134315872505	3727.9343791	3739.062076517189	26.19932529454838	16.07223035320562
89	27	7629	-312861.1413	816157.3170250766	-91.11310290010096	-91.0901638	249111.87290467676	433138.444	3851.976468820406	3751.78263057148	3727.1257994337025	3736.406447152434	24.65868623455488	15.37879130904693
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91	27	7631	-311541.1413	816157.3170250766	-91.11352737311335	-91.08970138	249514.1537580388	433130.313	3845.6856044715003	3747.0240940350658	3726.198191303687	3733.977151345995	20.82229913136871	13.0433908807704
92	27	7632	-310881.1413	816157.3170250766	-91.11373565105456	-91.0894889	249715.29062434364	433126.247719161	3843.0686290417864	3744.610377116457	3726.143322159098	3746.4604490054738	16.74576625505069	13.0433908807704
93	27	7633	-310221.1413	816157.3170250766	-91.1139505899253	-91.0892369	249916.4272786713	433122.182599555	3840.451673178572	3741.62125830642	3726.574367	3725.917536849623	15.608891534203	16.26372141852795
94	27	7634	-309561.1413	816157.3170250766	-91.1141617396507	-91.0890389	250171.5636672203	433118.11742565	3837.8345634171064	3739.73345212592	3727.6534102137443	3739.70176548018	14.60041968677179	9.62367566453796
95	27	7635	-308901.1413	816157.3170250766	-91.114376176882	-91.0888438	250378.4470572226	433114.698908184	3835.03497526854	3737.842717584456	3725.142717584456	3737.842717584456	14.60041968677179	9.62367566453796
96	27	7636	-308241.1413	816157.3170250766	-91.1145821323787	-91.0885389	250519.8317044468	433109.971610425	3832.053050504627	3734.78830170955	3732.6539142102767	3733.70030266547	12.1501590578411	1.008036904498022
97	27	7637	-307581.1413	816157.3170250766	-91.114791655074	-91.0883039	250720.97134845178	433105.92327781	3827.303169	3732.29707863848	3736.7327512766033	3737.659124029953	0	0
98	27	7638	-306921.1413	816157.3170250766	-91.115007287703	-91.08807389	250922.10674733346	433101.85905619	3823.613971498677	3729.792823	3741.879196444035	3734.0528438508695	0	0
99	27	7639	-306261.1413	816157.3170250766	-91.11512094	-91.08784139	251123.2419006387	433097.7948766025	3819.758261166238	3727.276911406625	3748.02567298666	3749.592138119587	0	0
100	27	7640	-305601.1413	816157.3170250766	-91.1153417528973	-91.0876089	251324.376806334	433093.708751615	3815.8470976507224	3724.760187807143	3751.572592649567	3743.12811598116	0	0
101	27	7641	-304941.1413	816157.3170250766	-91.1155625551065	-91.0874268	251525.51146872326	433089.6764268	3811.898914347016	3722.214678926574	3749.104853283767	3741.689486	0	0
102	27	7642	-304281.1413	816157.3170250766	-91.1157853299476	-91.0871439	251726.645924374	433085.0338972	3807.90731	3719.6730912953095	3727.402347169504	0	0	0
103	27	7643	-303621.1413	816157.3170250766	-91.115993614351	-91.08691139	251927.78004831402	433081.379065214	3804.411778930631	3717.12728488195	3712.5732974012635	3713.9643175773704	4.55547506869595	3.1644549108291382
104	27	7644	-302961.1413	816157.3170250766	-91.1162457408254	-91.0866789	252128.9139704128	433079.43969034	3801.28205097486	3714.581036660584	3709.136903758496	3714.44413290236077	13.08914808281751	13.08914808281751
105	27	7645	-302301.1413	816157.3170250766	-91.11646516716734	-91.0864439	252330.0476710202	433073.43456332	3798.15233952339	3712.023306043567	3688.456560140676	3689.68141920619	32.56680370289901	22.3419711664922
106	27	7646	-301641.1413	816157.3170250766	-91.1166751524602	-91.08621389	252531.1018702891	433069.350419391	3795.026149413191	3709.45537244311	3677.395137804393	3678.453624743758	32.00173052052862	21.3107250552862
107	27	7647	-300981.1413	816157.3170250766	-91.1168821847042	-91.08598138	252732.3142645485	433065.266969583	3792.521172748968	3706.874568539216	3686.895655031788	3667.732640172881	35.14486145212035	21.3107250552862
108	27	7648	-300321.1413	816157.3170250766	-91.117097678082	-91.0857489	252935.4470572226	433061.252562911	3789.437892580184	3704.28798	3677.142717584456	3677.142717584456	35.14486145212035	21.3107250552862
109	27	7649	-299661.1413	816157.3170250766	-91.11729902402	-91.08551638	253134.5799029048	433057.162696811	3784.270039277038	3681.0989548961554	3668.654836961554	3662.593282765195	30.02456280200024	52.768758620244
110	27	7650	-299001.1413	816157.3170250766	-91.1174574813616	-91.0852838	253335.71235435639	433053.100542962	3786.9016773354175	3662.19177941473426	3642.45080953262	3646.190580859496	56.36395807615947	56.36395807615947
111	27	7651	-298341.1413	816157.3170250766	-91.1176778231782	-91.08505138	253536.84466214824	433049.03824769	3783.91392728244	3669.4651324214445	3637.544894315267	3638.25353621086	58.962297380917855	58.962297380917855
112	27	7652	-297681.1413	816157.3170250766	-91.1178806111008	-91.0848188	253743.905254882	433044.976318715	3779.811652306077	3693.84119281395	3635.17309955205	3635.462952324175	58.6670932619167	58.3781940489791
113	27	7653	-297021.1413	816157.3170250766	-91.11808294811075	-91.0845838	253939.10825457123	433040.914557592	3775.009316859793	3701.2106937159173	3633.1388019889918	3633.1388019889918	57.75694581717987	57.75694581717987
114	27	7654	-296361.1413	816157.3170250766	-91.118284379996	-91.0843387	254104.2397218185	433036.852974179	3771.607141435945	3683.574688148488	3631.479634114062	3632.189227706867	57.09505450078454	56.3917695087699
115	27	7655	-295701.1413	816157.3170250766	-91.118496786356	-91.0841093	254296.5549724972	433032.8149972	3769.395137804393	3678.3795137045344	3628.3795137045344	3628.3795137045344	55.3826142274512	55.3826142274512
116	27	7656	-295041.1413	816157.3170250766	-91.118708790489	-91.0838887	254452.501	433028.703165654	3768.200390277038	3683.20736153478	3628.3795137045344	3628.3795137045344	54.5015602059915	54.5015602059915
117	27	7657	-294381.1413	816157.3170250766	-91.118987909489	-91.0836537	254743.6327902426	433024.669245917	3766.030229836197	3683.6049876007	3626.4905645409353	3626.4905645409353	54.54394370187	54.54394370187
118	27	7658	-293721.1413	816157.3170250766	-91.1190879021257	-91.0834237	254944.7632937414							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogsKrg.ft	BRLEvBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
199	27	26839	-240261.1413	816157.13170250766	39.11330940695477	-101.6459078	712325.5464778583	4323692.247821944	3537.2442426984501	3445.9468300808813	3471.844273678481	3473.584703	0	0
200	37	26840	-239601.1413	816157.13170250766	39.113396733863966	-101.6435286	714336.6577643241	4323698.201204255	3546.49672599184	3442.803937271441	3467.3076754109525	3446.984610850106	0	0
201	37	26841	-238841.1413	816157.13170250766	39.11341301589051	-101.641275	716757.76862493084	4323698.154453811	3558.7480217589834	3459.8673667780243	3465.926615400772	3465.399615400772	0	0
202	37	26842	-238281.1413	816157.13170250766	39.1134292596589	-101.6383024	718338.8775986744	4323698.107968528	3565.001334166552	3436.507181	3458.853066967751	3461.86139771046	0	0
203	37	26843	-237621.1413	816157.13170250766	39.11344554515044	-101.6366073	720239.99036933636	4323676.061735109	3563.6078635835233	3433.303453371354	3455.23887124162227	3458.1564789639957	0	0
204	37	26844	-236961.1413	816157.13170250766	39.11346159242672	-101.6342822	722421.10073536746	4323672.015643537	3551.5666196787833	3430.19502043134	3451.916718446573	3455.844895354085	0	0
205	37	26845	-236301.1413	816157.13170250766	39.1134717769	-101.631957	724242.2109	4323667.969723805	3539.5293763740433	3427.03269171421	3448.7362254781828	3452.714506	0	0
206	37	26846	-235641.1413	816157.13170250766	39.11349375225435	-101.6296319	726433.32084730495	4323663.923975905	3527.4913271693024	3423.867373641032	3444.892634649948	3449.284717131973	0	0
207	37	26847	-234981.1413	816157.13170250766	39.11350974869567	-101.627368	728644.43655708834	4323659.873989834	3522.8449862592035	3420.862962892287	3440.8926461430678	3446.696145354898	0	0
208	37	26848	-234321.1413	816157.13170250766	39.11352573244856	-101.6249817	730545.540024478	4323655.832995577	3527.54266961745	3417.5212202670054	3437.7774422934	3444.03782483154	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SatThkLogs.ft	SatThkBoth.ft
327	32695	-157101.1413		816157.3170250766	39.11508393649665	-101.35292956	296573.85698968746	4323183.70452421	3397.31193940202034	3191.365578693283	3174.2953464716084	3265.668950211363	17.070232164674508	0
328	32696	-156441.1413		816157.3170250766	39.11509465476155	-101.3506104	29674.7413413507116	4323179.67951147	3403.470364439063	3191.0413717088363	3175.53931	3262.373473449668	15.502061665386119	0
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336	32674	-151161.1413		816157.3170250766	39.1151783347482	-101.3320085	298383.6957938375	4323147.484271981	3383.707907	3188.514756274887	3185.152913150497	3248.05262733895	3.167247679914983	0
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364	32702	-132681.1413		816157.3170250766	39.11544875	-101.2669018	304013.9646769414	4323034.88627502	3312.617214113617	3174.154045245485	3188.4462631533515	3215.523394321806	0.01807451361313	0
365	32703	-132021.1413		816157.3170250766	39.115457757709095	-101.2645765	304214.92685173487	4323030.867965298	3311.933880133607	3173.432941	3190.63881266291	3197.456516397273	0.01807451361313	0
366	32704	-131361.1413		816157.3170250766	39.11546671932845	-101.2622513	304416.0383428496	4323026.8492741985	3309.837816638452	3172.693587656806	3192.825869209054	3196.8332012342323	0.01807451361313	0
367	32705	-130701.1413		816157.3170250766	39.11547563603573	-101.259926	304617.08062455033	4323022.803753743	3307.741752773967	3171.934857134897	3194.47356640085	3196.3197013026934	0.01807451361313	0
368	32706	-130041.1413		816157.3170250766	39.115484570730914	-101.2576708	304818.157227352	4323018.812403921	3306.645689093924	3171.1557640906338	3196.0779730384	3196.3813052430143	0.01807451361313	0
369	32707	-129381.1413		816157.3170250766	39.11549352395968	-101.2554174	305019.25421332557	4323014.794	3305.618548617	3170.25421332557	3196.1523154841	3196.1523154841	0.01807451361313	0
370	32708	-128721.1413		816157.3170250766	39.115502116684965	-101.2529053	305220.30984367966	4323010.776215169	3305.6473915935	3169.52904019805	3206.5596429283343	3206.5596429283343	0.01807451361313	0
371	32709	-128061.1413		816157.3170250766	39.1155108334378	-101.250625	305421.385664881	4323006.75837918	3306.026173664887	3168.6822919888153	3215.350186626374	3215.874709848115	0.01807451361313	0
372	32710	-127401.1413		816157.3170250766	39.11551954589047	-101.248298	305622.46169875667	4323002.704710848	3309.39751552242	3167.8127418219206	3222.91258502798	3224.71752494647	0.01807451361313	0
373	32711	-126741.1413		816157.3170250766	39.11552819312484	-101.2459745	305823.5372314089	4322998.723214089	3309.964284476419	3166.922230685398	3229.7787081159786	3221.451090920026	0.01807451361313	0
374	32712	-126081.1413		816157.3170250766	39.1155367954723	-101.2436492	306024.4							

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtLog.f	SatHtBoth.f	
451	37	27091	-73941.14133	816157.1370250766	-39.160744455158305	-01.05995626	321908.9878981636	3137.6770580887	3187.307028381418	3600.958766926022	3023.547581253247	3023.8006166157123	37.4111834381453	36.9781480343995
452	37	27092	-73929.14133	816157.1370250766	-39.160794446000	-01.0576273	322110.0487427395	3185.020178975413	3058.946624389125	3021.4522016126475	3021.4522185991164	37.494440736265005	37.104327349789504	
453	37	27093	-73921.14133	816157.1370250766	-39.1608317200542	-01.0633305	322311.1994130272	3188.799168980719	3056.9320101820083	3019.1166921978517	3020.106364753535	37.20832798425816	36.8165424856106	
454	37	27094	-73916.14133	816157.1370250766	-39.160893483244686	-01.0529768	321561.16909920371	3131.665496005075	3154.811969603112	3045.891750964896	3018.7800969742626	36.999623571947	36.117402052059594	
455	37	27095	-73910.14133	816157.1370250766	-39.16090422288674	-01.0506515	322713.230231572564	3131.666126710326	3120.2604466328	3052.857533083768	3017.457078672764	37.17979144891647	35.0596191821396	
456	37	27096	-70641.14133	816157.1370250766	-39.1609090535373	-01.0483262	322914.20302038726	3131.66758585915	3188.2571623111526	3050.825921180599	3016.8029423360255	30.1716142509793	34.0220675945654	
457	37	27097	-69981.14133	816157.1370250766	-39.161004009	-01.0460099	323115.35053543825	3131.6685585830264	3187.152276159947	3048.803640382114	3016.4713234098838	30.1669863657334	32.10400306305834	
458	37	27098	-62921.14133	816157.1370250766	-39.16108577093925	-01.0436756	323316.41015737725	3131.669315453635	3186.047759159987	3046.796654650413	3016.29768879249	30.4398865578428	30.31059944766548	
459	37	27099	-6861.14133	816157.1370250766	-39.1611327200542	-01.0413593	323517.4698620854	3131.6645351	3184.1951781959987	3044.8118974643334	3016.0910505369925	30.16226255588617	28.58560208137169	
460	37	27100	-68001.14133	816157.1370250766	-39.1611752002127	-01.039025	323718.5829422413	3131.664184238362	3181.559641	3013.686522816503	3017.754735247813	30.17015965831292	29.08013062272663	
461	37	27101	-67341.14133	816157.1370250766	-39.161225706385	-01.036997	323919.585625636	3131.66481040808	3187.996103	3040.9325841053754	3009.768249469692	30.1765428883937	31.16436804811394	
462	37	27102	-66681.14133	816157.1370250766	-39.1611670253126	-01.034744	324120.6476756655	3131.66481042098	3176.396557279514	3039.045372147756	3005.451684	34.48143272	33.59368834270617	
463	37	27103	-66221.14133	816157.1370250766	-39.1613160250905	-01.0320491	324321.7066572104	3131.6629842267032	3173.76318024471	3001.928692243873	3001.236506051727	30.00152922143925	35.95836247266054	
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465	37	27105	-64701.14133	816157.1370250766	-39.1614048626096	-01.0273985	324723.8240367813	3131.662139105415	3168.428713	3035.577221593477	2992.342205479253	30.001849920711	41.23402105	
466	37	27106	-64041.14133	816157.1370250766	-39.16144678796916	-01.0250732	324924.8825	3168.714377179426	3168.714795152583	3031.803759801483	2988.339861862835	30.140315191767	43.69773081171633	
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470	37	27110	-61401.14133	816157.1370250766	-39.16161951727165	-01.0157721	325729.1144407096	3131.660183417358	3160.86150457748	3024.869022551242	2971.668191373633	52.99292766	53.20038039381944	
471	37	27111	-60741.14133	816157.1370250766	-39.1616610762028	-01.0134468	325930.1270880714	3131.66073936651	3159.392302918576	3023.167284035282	2967.7007079520586	29.6751152650328	56.4657575489378	
472	37	27112	-60081.14133	816157.1370250766	-39.16170217676235	-01.0111215	326113.2294063365	3131.6593383	3157.472850370324	3021.475611655413	2963.24213240595	29.63297334792457	58.0529459161369	
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475	37	27115	-58101.14133	816157.1370250766	-39.161822323882	-01.0041456	326734.40057958476	3131.6548374	3151.29792769125	3016.4662215028316	2949.283052815487	29.49432381555957	67.171691228289	
476	37	27116	-57441.14133	816157.1370250766	-39.1618621372095	-01.0018203	326935.4572973073	3131.6537858705	3148.545506931294	3014.81059950342	2943.92265217353	29.43007901621974	70.89540732398904	
477	37	27117	-56781.14133	816157.1370250766	-39.16190100128963	-00.999495	327136.1538464525	3131.6534404005	3145.7926459712246	3013.1825444779643	2938.0404515083164	29.35192266967816	75.917637305806	
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479	37	27119	-55481.14133	816157.1370250766	-39.1619773898674	-00.9949836	327538.6264370296	3131.6503836	3140.594741468798	3009.9478141006467	2927.339894	29.267712399268	82.107741289978	
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481	37	27121	-54141.14133	816157.1370250766	-39.1620519692994	-00.9901938	327940.7385230624	3131.6483264568	3133.81892230429	3006.7652387171106	2926.015311242439	29.2065317009083521	83.79312547527166	
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486	37	27126	-50841.14133	816157.1370250766	-39.162230573027	-00.9785763	328945.0151981127	3131.643746913218	3127.924275589043	2925.40209293395	2925.401179195357	29.2634691743508	73.859654118332	
487	37	27127	-50181.14133	816157.1370250766	-39.16226454636415	-00.9762422	329147.070064531	3131.64285191594	3126.498487	2997.4358509191214	2924.3018184989014	29.2147885700089014	72.75267323819256	
488	37	27128	-49521.14133	816157.1370250766	-39.162298705694	-00.9739167	329348.1247636951	3131.64259151604315	3125.041913007413	2995.91220262851	2922.6156936149753	29.21673392518173	73.0905093437578	
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490	37	27130	-48201.14133	816157.1370250766	-39.1623653715747	-00.9692661	329750.233661455	3131.64258686262	3122.128919443537	2992.8350067984697	2920.1128932455217	29.2191691958043017	72.72211355204803	
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493	37	27133	-46221.14133	816157.1370250766	-39.1624623456581	-00.9620914	330359.462782078	3131.641295876276	3116.91230557743	2989.1483052947678	2918.466679797878	29.2191463052947678	69.64066952876008	
494	37	27134	-45561.14133	816157.1370250766	-39.162493839167	-00.9599469	330554.44958	3131.6410240361126	3116.9865391047652	2988.539104761254	2917.617328270798	29.21749423704316	69.776749451913	
495	37	27135	-44901.14133	816157.1370250766	-39.162537642204	-00.9576396	330735.5025995812	3131.64187169354	3116.717984768044	2984.895628504484	2916.004218817634	29.215943031018243	69.94201403281368	
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497	37	27137	-43581.14133	816157.1370250766	-39.1625837733034	-00.952898	331157.068997175	3131.6418086923	3116.908293246927	2981.9195836246927	2911.965653076214	29.219163710694126	69.7044655280033	
498	37	27138	-42921.14133	816157.1370250766	-39.162613101821	-00.950637	331358.6620895214	3131.641894874434	3116.90434202638	2980.408791701745	2909.4320913475234	29.219083147491905	70.97670035422061	
499	37	27139	-42261.14133	816157.1370250766	-39.16264									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SurfBothKgr.f	SatBothKgr.f
577	27217	9218.858673073351	816157.3170250766	39.16363193337095	-100.7669646	347241.3489974227	331174.744939822	2991.7397654719675	283.271192900116	2840.221999537508	2839.6552322421867	34.04919336	43.6159605782487	
578	27218	9178.858673073351	816157.3170250766	39.16363128354648	-100.7646393	347442.3891972707	331170.762043866	2988.401759364061	2892.07120639373	2839.48417209753	2838.9952544227854	42.53300457630021	43.0219224149384	
579	27219	9158.858673073351	816157.3170250766	39.16363058862216	-100.762314	347643.4297	331167.73864816	2989.7678567531497	2890.7678567531497	2839.202812655608	2838.7789624604382	41.5650330424736	41.99683233858691	
580	27220	9119.858673073351	816157.3170250766	39.16349894918409	-100.7599877	347844.46973785135	331162.79783657	2988.676835	2892.52145759693	2838.962159	2838.53282602947	40.500664931803	40.9836215671826	
581	27221	9185.858673073351	816157.3170250766	39.1634960	-100.7576384	348045.50978814426	331158.815898934	2988.972692775495	2878.283032978907	2838.940625523245	2838.615228597015	39.34220744546575	39.6677740218926	
582	27222	9215.858673073351	816157.3170250766	39.16348235166754	-100.7556381	348246.549605314	331154.83430884	2988.972692775495	2877.047474105478	2839.260194228277	2838.992296181906	37.1587296865048	38.05517972552728	
583	27223	9137.858673073351	816157.3170250766	39.1634736	-100.7530127	348447.58944521553	331150.85279454	2988.395101084043	2875.816454327287	2840.1317512095656	2838.6909137568274	35.678927179314	36.12553707590132	
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585	27225	9168.858673073351	816157.3170250766	39.16345726342658	-100.7483621	348849.65851229616	331142.89028986	2988.395101084043	2873.3681810264147	2843.0216478121065	2842.523699557408	30.346833214508268	30.745801701235743	
586	27226	9151.858673073351	816157.3170250766	39.163444891673234	-100.746038	349050.702511001	331138.90257992	2882.26652870934	2872.15093780434	2845.611896770796	2845.27815	26.539170823675	26.539170823675	
587	27227	9185.858673073351	816157.3170250766	39.1634341131371	-100.7437115	349251.747	331134.928439836	2880.6071406244824	2870.38446628841	2848.988007232105	2848.7664997017328	21.9404593633305	22.17196565608306	
588	27228	9478.858673073351	816157.3170250766	39.1634231518472	-100.7413862	349452.7861101877	331130.347770536	2877.105215145405	2869.73073396802	2853.28903752318	2853.3181934503426	16.014445472124	16.4182650338996	
589	27229	9173.858673073351	816157.3170250766	39.1634117132308	-100.7390609	349653.8248926374	331126.92722031	2875.392501450476	2868.525793923315	2858.3032482015	2858.952284881885	10.222445572168317	10.222445572168317	
590	27230	9179.858673073351	816157.3170250766	39.163396254773	-100.7367356	349854.86370945757	331122.986824334	2872.997283	2867.32500344817	2863.2948171425058	2864.36560378429	4.93191302311323	2.956427866388284	
591	27231	9445.858673073351	816157.3170250766	39.1633874885986	-100.7344103	350055.802289844	331119.06781437	2873.07802	2866.12689072419	2859.96851807592	2860.7840711532813	6.380179684970655	5.342519574137643	
592	27232	9118.858673073351	816157.3170250766	39.163374255587	-100.732085	350256.9407244484	331115.027	2868.873297202276	2864.301722822124	2852.3275429019886	2852.617275	12.8034632322376	12.81383090772246	
593	27233	9177.858673073351	816157.3170250766	39.16336146739386	-100.7297597	350457.87901335615	331110.410666005	2866.906140246452	2863.728339102883	2846.541871442295	2846.5226376260022	17.1963457699344	17.21559682426803	
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619	27259	9301.858673073351	816157.3170250766	39.16286342967878	-100.6697675	355685.9585024042	331007.65510497	2945.730450519624	2822.968541681974	2797.74047956285	2800.937451484851	25.3004465094764	24.76928565841334	
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ix	iy	z	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
703	37	27343	92378.85867307335	816157.1370250766	39.15919136280533	-100.4739772	37271.34833526425	4330674.294833758	2809.657160511216	270.1544241581746	2629.975025737052	2630.0089949762732	70.17939842112264	70.1454281891036
704	37	27344	90308.85867307335	816157.1370250766	39.1591005390161	-100.4761819	37272.73172665066	4330670.333981118	2810.38689839633	2698.8708717070567	2632.1264074856436	2632.433956257682	66.74246241	66.42746717307493
705	37	27345	90698.85867307335	816157.1370250766	39.158903626887	-100.4683266	37293.34849906985	4330666.237168278	2811.1049187679703	2697.9841922906843	2633.801222306843	2633.801222306843	63.78529874638816	63.78529874638816
706	37	27346	94358.85867307335	816157.1370250766	39.15879031355446	-100.4670103	37314.4181410623	4330651.411909225	2812.86949639533	2696.31009058041	2633.112658757123	2631.397772464636	65.231780521783	64.912113333791
707	37	27347	90618.85867307335	816157.1370250766	39.15890887130055	-100.4646761	37335.4411646684	433068.451	2811.1983324246004	2695.032890178283	2627.55738	2627.566502639856	67.47551036901314	67.46638753842717
708	37	27348	96678.85867307335	816157.1370250766	39.15843691577554	-100.4623508	37356.744066117765	4330640.490798461	2809.215974025824	2693.75793450364	2624.4051512348993	2624.246113670072	69.511727472425	69.511727472425
709	37	27349	96338.85867307335	816157.1370250766	39.1587173689692	-100.4600255	37377.4884656139	4330650.57498729	2802.4850044680168	2692.4850044680168	2621.811932028665	2621.811932028665	70.63702744003763	70.8435734
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711	37	27351	96958.85867307335	816157.1370250766	39.15864630414805	-100.4553075	37419.73303967435	4330632.103867478	2803.4611537742894	2689.9480661738957	2618.3525286844708	2618.017714813687	71.59894331	71.67831974634986
712	37	27352	98618.85867307335	816157.1370250766	39.158576508816	-100.4530457	37439.5544544429	4330636.58090017	2801.853869591142	2688.9333904257	2616.776408281176	2616.708389898383	71.90562698	71.97436571761879
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714	37	27354	96968.85867307335	816157.1370250766	39.1584444656464	-100.4483991	37478.5982097936	4330630.731492198	2798.66611242689	2686.153582107222	2615.750110163545	2614.330039	72.58348094	71.8253436
715	37	27355	100298.85867307335	816157.1370250766	39.158737891711434	-100.4460739	374983.6290730579	4330627.712194857	2797.708088	2684.877417567342	2616.8927372002595	2617.4807303949335	77.9848680780255	77.39038662
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721	37	27361	104258.85867307335	816157.1370250766	39.1575993086999	-100.4321122	37618.7580616484	4330603.019930234	2793.687115528586	2676.16413004784	2679.7426975720764	2686.899676151527	78.41243248	79.264543272144
722	37	27362	104918.85867307335	816157.1370250766	39.157388135352	-100.4297689	376390.7720473667	4330590.01860607	2793.57218238885	2674.666256681797	2680.89560870671	2680.022477340577	73.706482034352	74.6437313831764
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726	37	27366	107558.85867307335	816157.1370250766	39.1575989057245	-100.4204659	377194.855736334	4330583.200983878	2778.485211676557	2668.73421708413	2683.232659897016	2687.805601921748	60.9261551466949	60.9261551466949
727	37	27367	10828.85867307335	816157.1370250766	39.157525317502	-100.4181706	377395.873556667	4330577.702702846	2774.76201942047	2667.2663582338776	2689.447984017038	2688.985621237777	51.813710373262	58.280744601449896
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729	37	27369	109838.85867307335	816157.1370250766	39.1573773464236	-100.4132521	377797.9172407064	4330569.35645252	2762.5651104128137	2664.344626359265	2611.313452810268	2689.260228024178	53.401334889723	53.5164055684726
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1	38	27381	-370941.1413	816817.1370250766	39.1107544084284	-102.1062894	231414.8802117313	4333688.19565374	3880.015480974585	3877.547369686642	3869.8874917508	3877.547369686642	1.12798778678021	1.12798778678021
2	38	27382	-370281.1413	816817.1370250766	39.11100659495506	-102.1039645	231616.0407043283	4333684.11358115	3881.01236991317918	3878.779396231	3878.779396231	3878.779396231	27.3539045294884	27.3539045294884
3	38	27383	-369621.1413	816817.1370250766	39.1111258332659	-102.1016396	231817.1996687106	4333680.0334271	3881.01236991317918	3877.495627627184	3877.495627627184	3877.495627627184	5.342415139029265	5.342415139029265
4	38	27384	-368961.1413	816817.1370250766	39.1115062060942	-102.099437	232018.598978205	4333685.95636335	3881.01236991317918	3877.495627627184	3877.495627627184	3877.495627627184	1.938173707099273	1.938173707099273
5	38	27385	-368291.1413	816817.1370250766	39.1118905962887	-102.0969149	232218.608746707	4333687.71896231	3881.01236991317918	3877.495627627184	3877.495627627184	3877.495627627184	1.938173707099273	1.938173707099273
6	38	27386	-367641.1413	816817.1370250766	39.112100509892	-102.0946437	232426.6785811214	4333687.71896231	3881.01236991317918	3877.495627627184	3877.495627627184			

ix	iy	cl	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThKgr.ft	SatThBoth.ft
98	38	27469	-312861.1413	1816817.3170250766	31.1312279402058	-101.9018911	249115.950084958444	4333339.712437311	3850.2461739256482	3751.840380022171	3727.732593	3735.8427193064628	24.107715351631214	15.997588985078262
99	38	27470	-312201.1413	1816817.3170250766	31.1314406116148	-101.8993661	249317.0880630078	4333335.466454235	3846.9126592767575	3749.4712843245746	3726.83595696762	3734.6862532989853	22.63532738591256	14.785031042815262
91	38	27471	-311541.1413	1816817.3170250766	31.1316523339682	-101.887041	248618.2594683616	433331.580964936	3843.880214571318	3747.062155	3728.2541805916244	3733.1453847902444	20.82762542048582	13.936770051935582
92	38	27472	-310881.1413	1816817.3170250766	31.1318646072618	-101.887416	249317.7514800606	4333327.515040138	3840.908392314038	3744.622903327234	3728.0326933027324	3736.296516287606	18.642069672715976	16.763740467658776
93	38	27473	-310221.1413	1816817.3170250766	31.13207583051543	-101.8823809	249920.4882119911	4333323.4496876726	3838.0174740666884	3742.234996898925	3726.1322930398997	3727.372419576366	16.1170385936824	14.8672544228946
94	38	27474	-309661.1413	1816817.3170250766	31.1322868067306	-101.8900659	250121.6344214158	4333319.384306135	3835.12608898439	3739.7589521341935	3726.849603316073	3726.8952173614935	12.900238594567327	12.900238594567327
95	38	27475	-308801.1413	1816817.3170250766	31.1324972328369	-101.8877408	250322.77083327887	4333315.191398238	3831.4671028867273	3737.32886366371	3728.45143384158	3731.320499028415	8.875818576955226	6.008540025562312
96	38	27476	-308241.1413	1816817.3170250766	31.1327207099141	-101.8854158	250523.9061	4333311.25423362	3827.06776191547	3734.848035263181	3730.85664	3731.96104189535	39.13849355202927	28870310736274405
97	38	27477	-307581.1413	1816817.3170250766	31.1329167379347	-101.8838097	250725.0415651462	4333303.00991128	3822.6593555152824	3732.853328241117	3734.2210873584477	3735.251331356897	0	0
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113	38	27493	-297021.1413	1816817.3170250766	31.1362081142334	-101.8458897	253943.175597523	4333217.76799996	3777.051064821315	3691.180810542113	3637.215672468731	3637.215672468731	56.8083123595262	53.97033705949676
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118	38	27498	-293721.1413	1816817.3170250766	31.137213036761	-101.8342843	254948.8270671358	4333211.86935056	3760.83577227243	3680.97734601493	3627.719653	3627.719653	53.25590718023295	52.6330758889741
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122	38	27502	-291081.1413	1816817.3170250766	31.138008939826	-101.824964	255753.3462429636	4333205.627	3739.521781963253	3667.34527536591	3613.167173713985	3613.167173713985	54.1782540519266	56.2481706433067
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127	38	27507	-287781.1413	1816817.3170250766	31.138993753606	-101.8133385	256758.917786852	4333185.32684702	3730.22386918594	3684.076337717546	3605.448045358045	3588.428357342075	48.95898923595014	65.61972642
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129	38	27509	-286461.1413	1816817.3170250766	31.13938453043495	-101.8088683	257167.243076693	4333177.208301459	3741.792042170999	3684.71893078928	3604.74415280702	3579.564498939639	49.75445025828617	69.1542523298877
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131	38	27511	-285141.1413	1816817.3170250766	31.1397681002029	-101.8039138	257569.4289455127	4333169.145237575	3740.258873037076	3645.304981371526	3603.304048417355	3603.304048417355	52.044915683073	62.044915683073
132	38	27512	-284481.1413	1816817.3170250766	31.1400131002029	-101.801713	257764.6289045512	4333165.032	3739.07160230595	3640.7005524341382	3604.0530240348945	3587.768771741382	52.044915683073	62.044915683073
133	38	27513	-283821.1413	1816817.3170250766	31.1401606717494	-101.7993879	257965.7561582707	4333160.973081052	3738.25112784564	3638.020313551753	3603.620032701894	3587.768771741382	52.04491	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThtLogs.ft	SatThtBoth.ft
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217	38	27597	-228881.1413	816817.3170250766	39.11547986041131	-101.6046754	274659.1641141131	4332820.574544683	3541.71165925841769	3391.122273180487	3411.4254545305889	3421.485463035889	0	0
218	38	27596	-227721.1413	816817.3170250766	39.11545502961334	-101.6017502	274655.67118823156	4332816.625485939	3548.236246290439	3367.740508211986	3407.3114570658967	3413.6507110179015	0	0
219	38	27599	-227061.1413	816817.3170250766	39.11550970071584	-101.599425	275261.7784001331	4332812.582815128	3551.5507655033616	3383.5903658459524	3402.68775855935	3410.471992086896	0	0
220	38	27600	-226401.1413	816817.3170250766	39.115526406113934	-101.5970908	275462.8846070783	4332808.539253248	3551.666675885288	3380.4396440812717	3398.0306965280233	3407.180746228919	0	0
221	38	27601	-225741.1413	816817.3170250766	39.115541790352374	-101.5947746	275693.9910726988	4332804.495863289	3551.782586262144	3377.2948303885877	3393.419279113454	3403.660240274735	0	0
222	38	27602	-225081.1413	816817.3170250766	39.11555712966284	-101.5924494	275865.0974619314	4332800.4524542385	3551.898496641407	3374.154750195808	3388.889213479838	3399.7437008920978	0	0
223	38	27603	-224421.1413	816817.3170250766	39.115572740636337	-101.5907242	276066.2033202159	4332796.609598987	3548.713957284459	3371.0280174008185	3384.455611953887	3395.89720654947	0	0
224	38	27604	-223761.1413	816817.3170250766	39.115586757	-101.5877759	276257.3809737513	4332792.366724854	3533.228971550897	3367.9101810332177	3379.452323095232	3397.752011226105	0	0
225	38	27605	-223101.1413	816817.3170250766	39.115602878134375	-101.5854378	276468.4144976028	4332788.340220501	3520.74398498429	3364.80198883655	3375.236725328262	3388.964320712385	0	0
226	38	27606	-222441.1413	816817.3170250766	39.115618037804786	-101.5831486	276669.5198001193	4332784.281490208	3508.2589978417586	3361.703312664673	3370.653301822537	3384.565167318976	0	0
227	38	27607	-221781.1413	816817.3170250766	39.1156333256514	-101.5808234	276870.6248807535	4332780.239133437	3497.936778084665	3358.6143241320824	3366.754309784103	3380.0470781	0	0
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230	38	27610	-219801.1413	816817.3170250766	39.11567622735841	-101.5738478	277473.9380890204	4332770.11389847	3473.458420112114	3349.406703041793	3357.656004276336	3368.132443716132	0	0
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233	38	27613	-217821.1413	816817.3170250766	39.1157229	-101.5668722	278077.250754537955	4332755.988980886	3459.289022	3340.2952632515815	3354.680840429256	3360.791188516228	0	0
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236	38	27616	-215841.1413	816817.3170250766	39.115767164449586	-101.5598985	278680.5607300375	4332743.8656100545	3445.57665160544	3331.2997811511308	3357.708916184752	3360.3043621067	0	0
237	38	27617	-215181.1413	816817.3170250766	39.11578345491281	-101.5574362	278898.27684394886	4332739.63230959185	3440.4633209598185	3328.410291904346	3352.69172533689	3360.26172533689	0	0
238	38	27618	-214521.1413	816817.3170250766	39.1158010585538	-101.5552461	279062.7682875126	4332735.784530699	3435.343896904769	3325.382257553065	3330.2335304201944	3362.315544039917	0	0
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240	38	27620	-213201.1413	816817.3170250766	39.115825557619225	-101.5505957	279484.9709731957	4332727.704	3415.5953094548773	3319.537277195547	3331.6843362311956	3362.9252977681263	0	0
241	38	27621	-212541.1413	816817.3170250766	39.11584004363544	-101.5482705	279686.072989327	4332723.664156116	3404.13035442823	3316.6430514977933	3326.02778620865	3362.844167	0	0
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243	38	27623	-211221.1413	816817.3170250766	39.1158683098367	-101.543682	280068.27684394886	4332715.913776440124	3386.121112053822	3310.913776440124	3314.443535323684	3362.96172533689	0	0
244	38	27624	-210561.1413	816817.3170250766	39.11588322202299	-101.5412437	280279.377378216	4332711.545327437	3384.740430919525	3308.00274740211	3313.22788912564	3363.242585359717	0	0
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256	38	27636	-202641.1413	816817.3170250766	39.11605194461308	-101.5133921	282749.751357150047	4332663.056465035	3353.1362810131895	3276.43890368759	3290.46903859785	3291.137497530243	0	0
257	38	27637	-201981.1413	816817.3170250766	39.1160651250533	-101.5110482	282949.8450117	4332658.48500117	3350.171536414807	3274.3891351428071	3288.91384647014	3289.91351428071	0	0
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259	38	27639	-200661.1413	816817.3170250766	39.11609311221243	-101.5064164	283305.872393588	4332650.973436378	3337.74684922562	3268.934570387863	3285.5784526732264	3285.7510956978012	0	0
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261	38	27641	-199341.1413	816817.3170250766	39.11612033272565	-101.501766	283708.0800190844	4332642.901153783	3340.062214	3264.3001401240526	3281.97878271632	3281.055436752894	0	0
262	38	27642	-198681.1413	816817.3170250766	39.11613373561572	-101.4994407	283909.1655116951	4332638.864006268	3330.1362752500745	3262.0817633919	3279.999410065038	3278.28510065894	0	0
263	38	27643	-198021.1413	816817.3170250766	39.11614737594714	-101.4971155	284110.25279115054	4332634.238936394	3328.829482962545	3260.91320869271	3277.564562471982	3277.564562471982	0	0
264	38	27644	-197361.1413	816817.3170250766	39.1161602665425	-101.4947902								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatThLhgs.f	SatThBoth.f
341	38	27721	-145654.1413	1816817.3170250766	-38.17106818305608	-01.3157447	299795.2108792743	4332320.335031295	338.21426412543574	3186.2472968886285	3324.745177177065	0.911594705925676
342	38	27722	-145681.1413	1816817.3170250766	-38.1710719258845	-01.331494	299996.291966387	4332316.512389128	3352.675604000335	3185.83191426461	3184.9428949142603	0.891091121280566
343	38	27723	-145721.1413	1816817.3170250766	-38.1710816890786	-01.3114841	300197.3728697235	4332312.4894917867	3350.22362736667126	3185.4018184193	3184.5215589263007	0.840179112741682
344	38	27724	-145651.1413	1816817.3170250766	-38.17109155811469	-01.3073618	300368.30358540829	4332306.46717813	3184.7628404016135	3184.953753875814	3184.062001769886	0.83642775279545
345	38	27725	-143901.1413	1816817.3170250766	-38.171101733308536	-01.3064435	300599.5340478718	4332304.445	3347.3000543649687	3184.530034952599	3183.6323380372246	0.8225477025584726
346	38	27726	-143241.1413	1816817.3170250766	-38.1711171114	-01.3041182	300800.61434909434	4332304.4330472	3345.837264710435	3183.17642041208	3182.732017559359	0.8086714669274743
347	38	27727	-142581.1413	1816817.3170250766	-38.1711208895757	-01.3017929	301001.694453555	4332304.4743275	3344.084193565774	3183.6030965246878	3182.717896770864	0.808256340713908
348	38	27728	-141921.1413	1816817.3170250766	-38.17113054941274	-01.2994676	301202.774366305	4332292.38	3342.0404805926375	3183.120975996679	3182.259634859851	0.81341136828268
349	38	27729	-141221.1413	1816817.3170250766	-38.17114018495498	-01.2971423	301403.8545781913	4332296.358881798	3338.897468595333	3182.625831786794	3181.8558948312265	0.8171130901545301
350	38	27730	-140501.1413	1816817.3170250766	-38.17114975582474	-01.294617	301604.9339841754	4332284.33740481	3337.95415545029	3182.11722505792	3181.361207707128	0.8123077653816865
351	38	27731	-139941.1413	1816817.3170250766	-38.17115832130058	-01.2924817	301806.0197819573	4332280.31304741	3334.746522	3181.595226027567	3180.974916770712	0.810519168687682
352	38	27732	-139281.1413	1816817.3170250766	-38.171168822103035	-01.2901664	302007.09204804387	4332276.295377104	3332.3746461510966	3181.0608336636094	3180.582142426693	0.7989657701626554
353	38	27733	-138621.1413	1816817.3170250766	-38.1711782799429	-01.2878411	302208.1708219495	4332272.275	3326.0027740554426	3180.8136889860976	3180.244078386694	0.786608390412127
354	38	27734	-137961.1413	1816817.3170250766	-38.17117868971576	-01.2855158	302409.2497214558	4332268.25019655	3321.630899919718	317.9159164	317.9146906613267	0.7823366835252747
355	38	27735	-137301.1413	1816817.3170250766	-38.1711850505988	-01.2831905	302610.3259060489	4332264.23360041	3318.6325943141135	317.97345224723302	317.87841833788134	0.7721324486126024
356	38	27736	-136641.1413	1816817.3170250766	-38.17120367618711	-01.2808052	302811.40667121193	4332260.213	3317.00758770312	317.8780963343628	317.81474033264722	0.7691984728241689
357	38	27737	-135981.1413	1816817.3170250766	-38.17121565242506	-01.2785399	303012.4848	4332256.193273448	3315.382671209127	317.8770371058575	3180.017813	0.76842525237544
358	38	27738	-135321.1413	1816817.3170250766	-38.171224883750325	-01.2762146	303213.5627373061	4332252.13630731	3313.75774548141	317.7549008	3180.422881147055	0.765204231351525
359	38	27739	-134661.1413	1816817.3170250766	-38.17123407016229	-01.2738893	303414.6406069913	4332248.134506288	3313.476451805216	317.869774010295	3181.3546061987204	0.7615675648273276
360	38	27740	-134001.1413	1816817.3170250766	-38.17124321166111	-01.271564	303615.7180833761	4332244.153603452	3312.441538763	317.8622549457523	3183.0683132470617	0.7581968426872826
361	38	27741	-133341.1413	1816817.3170250766	-38.1712530246861	-01.2692387	303816.7954666614	4332240.115	3315.6010741552823	317.538811166389	3184.614716999246	0.75632240189171
362	38	27742	-132681.1413	1816817.3170250766	-38.171263159919354	-01.2669134	304107.8726576237	4332236.09544751	3315.66335315118243	317.4325919476785	3186.65187664189	0.751931398144228
363	38	27743	-132021.1413	1816817.3170250766	-38.17127337394676	-01.264594	304326.9323349444	4332231.74120896	3312.4681569811037	317.621764125076	3186.1322317197	0.749344387595167
364	38	27744	-131361.1413	1816817.3170250766	-38.1712732852446	-01.2626227	304420.024599998	4332228.057513217	3313.2847807263683	317.3360734260748	3192.423195723254	0.744778607360103
365	38	27745	-130701.1413	1816817.3170250766	-38.17128325454782	-01.2599374	304621.7030729468	4332214.038802321	3310.67829593627	3172.603935716308	3194.2314354511354	0.741847832585465
366	38	27746	-130041.1413	1816817.3170250766	-38.17129271147756	-01.2576121	304822.1794938193	4332210.0262256	3308.07179046356	3171.821422	3195.402859121404	0.73953407284947
367	38	27747	-129381.1413	1816817.3170250766	-38.17130395458405	-01.2552686	305023.255728264	4332206.001890316	3307.70759699379	317.016286289702	3198.257764174833	0.73719448302092
368	38	27748	-128721.1413	1816817.3170250766	-38.17131472677166	-01.2529615	305224.3317601674	4332211.983949592	3307.7445091996687	3170.18701387519	3192.894256396808	0.730254658267335
369	38	27749	-128061.1413	1816817.3170250766	-38.171323646057238	-01.2506362	305426.4076060489	4332217.66969676	3311.77848648725081	317.9321896915	3198.3876986474	0.7253339896765
370	38	27750	-127391.1413	1816817.3170250766	-38.17133216546829	-01.2483105	305625.405067685	4332213.947010159	3313.78246701642	3181.24053339353	3191.2323002427752	0.721932302427752
371	38	27751	-126741.1413	1816817.3170250766	-38.17134080387722	-01.2458956	305827.55872425437	4332199.930124138	3315.7030202174137	3167.5641495516106	3190.439958582374	0.7204482749133803
372	38	27752	-126081.1413	1816817.3170250766	-38.1713490461726	-01.2436603	306028.6339968044	4332195.91260801	3317.54017461182414	3166.646072175648	3192.4834820516666	0.720486758899583
373	38	27753	-125421.1413	1816817.3170250766	-38.17135796404394	-01.2413349	306229.7090790727	4332191.89524642	3319.3727720623447	3165.706279789113	3196.1713694550835	0.7197810359954867
374	38	27754	-124761.1413	1816817.3170250766	-38.17136647674175	-01.2390906	306430.7840706804	4332187.67088755	3321.2143980064484	3164.7541267175834	3188.972915750598	0.718410103558566
375	38	27755	-124101.1413	1816817.3170250766	-38.171374954545109	-01.2368684	306631.85877270501	4332183.861	3322.578025172017	3163.763526478785	3182.29749480467434	0.718486931940644
376	38	27756	-123441.1413	1816817.3170250766	-38.1713833474478	-01.2346259	306832.9332349444	4332179.34120896	3322.4681569811037	317.621764125076	3186.1322317197	0.7179344387595167
377	38	27757	-122781.1413	1816817.3170250766	-38.17139174542109	-01.2320337	307039.133565304	4332175.87292295	3324.358267899573	3161.79177463196	3171.061851014613	0.71478478696103
378	38	27758	-122161.1413	1816817.3170250766	-38.17140078480806	-01.2297084	307235.0817037172	4332171.81105141	3325.2484183179095	3160.6937536016087	3166.398791840864	0.7169957019604594
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381	38	27761	-120141.1413	1816817.3170250766	-38.171424808179265	-01.2227324	307838.30929720966	4332160.765263831	3324.0419584713287	3157.4249188718423	3158.625033596909	0.715869337930285
382	38	27762	-119481.1413	1816817.3170250766	-38.17143296158514	-01.2204407	308039.3763773354	4332155.74846049	3325.2968123904902	3159.29105496823326	3157.750111177556	0.7155069653904334
383	38	27763	-118841.1413	1816817.3170250766	-38.1714413365368	-01.218193	308246.525973054	4332151.33320999	3326.024524963643	3158.473624908984	3157.431586279834	0.7153339896765
384	38	27764	-118161.1413	1816817.3170250766	-38.17144913356538	-01.2157565	308441.522558504	4332147.715742487	3324.358267899573	3153.964785195728	3174.233421596336	0.715026381401133
385	38	27765	-117501.1413	1816817.3170250766	-38.1714571532173	-01.2134311	308642.596385866	4332143.704467452	3322.377648761756	3152.7725415785526	3184.896762527835	0.7148260127153063
386	38	27766	-116841.1413	1816817.3170250766	-38.17146512607351	-01.2111058	308843.6679909319	4332139.358321691	3321.232651675695	3151.7561909531583	3142.7135042647487	0.7146097359356184
387	38	27767	-116181.1413	1816817.3170250766	-38.171473048191734	-01.2087805	309044.7044252675	4332135.36073928	3321.399733076522	3150.734376473193	3140.608430786479	0.7144120030728497
388	38	27768	-115521.1413	1816817.3170250766	-38.17148094	-01.2064552	309245.812725456	4332131.65538369	3321.278613990303	3149.0925214124813	3138.691192726133	0.7142101525158437
389	38	27769	-114861.1413	1816817.3170250766	-38.1714887774478	-01.2042359	309446.5947320554	4332127.648074487	3321.624524963643	3147.426362408984	3137.467892520225	0.71400701208727446
390	38	27770	-114201.1413	1816817.3170250766	-38.171496571944026	-01.201845	309647.652659361	4332123.6259052	3321.678958517236	3145.56945446678	3135.802098942953	0.713822990040763
391	38	27771	-113541.1413	1816817.3170250766	-38.17150342112876	-01.1994972	309849.0283	4332118.61225652	3315.805969115817	3145.2832973531777	3134.2489040665037	0.713657927384199
392	38	27772	-112881.1413	1816817.3170250766	-38.1715120253989	-01.1971538	310050.0978901164	4332115.588155085	3313.911962678018	3143.9873162162885	3132.834082613445	0.7135233602843557
393	38	27										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	AsfthElev.ft	SatHtBoth.ft
467	38	27847	-63891.14133	816817.3170250766	39.1796184086962	-101.0227539	325129.9451133515	4331815.0262763165	306.6682795849564	2986.2213959949564	2985.9442299197854	43.65635812	43.9335241774213	
468	38	27848	-62271.14133	816817.3170250766	39.1796613667664	-101.0244281	32531.303126957	4331811.25118965	3159.139140809676	302.1071645334733	2982.1037148725857	46.00349535886376	46.2341197384071256	
469	38	27849	-62061.14133	816817.3170250766	39.1793737559296	-101.0181029	32553.6079404416	4331807.024133096	3157.7185485678007	3026.782521785831	2991.874052296568	48.14225100683876	48.189029528702626	
470	38	27850	-61401.14133	816817.3170250766	39.17197578519635	-101.0107274	32570.31183126857	4330803.02316456	3156.24368308104	3024.8116621698943	2974.0115507778255	57.9301139704177	50.80909558636227	
471	38	27851	-60601.14133	816817.3170250766	39.17978754347145	-101.0134521	32593.47570433597	4331802.026696878	3154.5874783832426	3022.8835901150545	2986.884956510546	59.6997270100011	52.99503588841674	
472	38	27852	-60081.14133	816817.3170250766	39.17982845713925	-101.0111127	326135.2329557233	4331796.021932605	3152.749936	3021.4644920779173	2965.625815725981	69.9549077017913	55.67154019	
473	38	27853	-59421.14133	816817.3170250766	39.17998931	-101.0088014	32636.2896766735	4331791.021886628	3150.91239821917	3019.46150807277512	2961.1824220852267	72.991287705103	58.32540894676525	
474	38	27854	-58761.14133	816817.3170250766	39.17996931	-101.006476	32653.3466577685	4331787.021749964	3148.810848011344	3017.76883081624	2956.629504591075	76.663689769321	61.0851932884134	
475	38	27855	-58101.14133	816817.3170250766	39.17964954606	-101.0041057	32679.40358994416	4331783.021763264	3146.8158691571	3016.38867177051	2950.8747670899743	79.185106807658	64.189029528702626	
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481	38	27861	-54141.14133	816817.3170250766	39.18017824817144	-100.9901985	32794.7402831571	4331759.02551673	3134.054742505522	3006.2833777957317	2928.166693944664	149.02254933378	89.096835106761	
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502	38	27882	-40281.14133	816817.3170250766	39.180852459136	-100.941366	332166.5714465547	4331674.02684968	3110.535057817905	2974.350572730202	2904.039572502302	549.70275202324	70.3251710978692	
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513	38	27893	-33021.14133	816817.3170250766	39.1811273095504	-100.9157871	334378.4349158346	4331631.14899642	3090.893549097023	2958.091108271678	2891.845930478706	751.08815888625606	67.35022100451715	
514	38	27894	-32361.14133	816817.3170250766	39.18114955678806	-100.9134617	334579.48516514734	4331627.15509564	3089.03416902345	2957.645414655148	2891.52277908771	769.126343649878	66.40924819	
515	38	27895	-31701.14133	816817.3170250766	39.18117135467798	-100.9111316	334780.5352511							

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKtr.ft	BRIElevBothKtr.ft	SeaOffKts	SatHtBoth.ft
593	2973	19778.8586770335	1816817.3170250766	39.18148777941016	-100.729758	550461.9612350196	4313312.216709216	29982.6187786501675	2684.1151437494664	2844.0504373891026	2844.0504373891026	0.04760536036743	19.89593685052638
594	2974	20438.8586770335	1816817.3170250766	39.18144740947617	-100.7274328	550682.995020296716	4313308.236903985	2967.31706547817654	2862.527756969542	2841.480752873354	2841.480752873354	19.21470040961707	21.30570261755065
595	2975	21098.8586770335	1816817.3170250766	39.1814553780196	-100.7271155	550854.9329266785	4313304.22777815	2968.7329691525635	2861.743384989307	2841.7686523478164	2841.7686523478164	19.7803424298714	19.7803424298714
596	2976	21758.8586770335	1816817.3170250766	39.1814453780196	-100.7227819	551065.0747034324	4313300.27715695	2960.562594744677	2864.1313058216597	2844.422696	2844.422696	16.4302259178005	16.139832993817626
597	2977	22418.8586770335	1816817.3170250766	39.1814435459261	-100.7204565	551266.11223618087	4313296.299	2962.8263550125594	2859.3877258772214	2847.7881303402714	2848.264740202156	11.59779553604939	11.12098495760552
598	2978	23078.8586770335	1816817.3170250766	39.181414466482	-100.7181311	551467.1496	4313291.31938081	2961.373032549438	2850.5138870182473	2851.224330779586	2851.224330779586	10.970190606095	6.986518744722039
599	2979	23738.8586770335	1816817.3170250766	39.181388259	-100.7158058	551668.186688178	4313288.30442668	2960.021713062719	2857.30526677806	2847.38181482636	2848.097815	9.6538180845965	8.937810718600547
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601	2981	25058.8586770335	1816817.3170250766	39.1813657289665	-100.7111155	552070.2692330343	4313280.3383854	2956.72969336856	2854.684789728164	2841.7686523478164	2841.7686523478164	12.91336461	11.8663856119175
602	2982	25718.8586770335	1816817.3170250766	39.1813494452337	-100.7088297	552277.207750479	4313276.40589896	2955.50737095994	2853.084672334156	2839.084165016999	2840.2521631329437	14.42412214746503	13.256121004718
603	2983	26378.8586770335	1816817.3170250766	39.181330712503	-100.7058043	552472.3344031855	4313272.42631001	2955.376891244265	2852.320814545554	2836.6200492143073	2837.0032002185607	14.970302240109449	14.970302240109449
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619	2999	36938.8586770335	1816817.3170250766	39.180980053952	-100.6692985	555688.901728899	4313206.79679545	2929.81739289697	2821.3291441303177	2794.1634994056426	2793.678975053216	27.15664726756706	27.969007709605
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622	3002	38918.8586770335	1816817.3170250766	39.180918074252	-100.6622259	556292.0404684	4313196.07101982	2921.3303843477897	2815.829944473436	2786.933710271892	2786.933710271892	28.698532317214	28.698532317214
623	3003	39578.8586770335	1816817.3170250766	39.1808918605239	-100.6599971	556493.93792363676	4313189.96168214	2918.744222015647	2814.0337507505014	2783.685835204857	2783.685835204857	29.31405554562274	29.314100664306
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627	3007	42218.8586770335	1816817.3170250766	39.180770252956	-100.6506897	557297.1718883814	4313176.98	2910.453552550472	2807.023102567973	2777.075888253425	2777.075888253425	32.9264951462757	30.8747631371573
628	3008	42878.8586770335	1816817.3170250766	39.1807415736204	-100.6483703	557498.2058203156	4313173.01479844	2908.91302479916	2805.31103871429	2775.79847745773	2775.79847745773	32.9264951462757	32.9264951462757
629	3009	43538.8586770335	1816817.3170250766	39.1807126817688	-100.6460495	557699.238039609	4313165.0288205	2907.80059703736	2803.613922055483	2774.02377173334	2773.73670453	32.9264951462757	32.9264951462757
630	3010	44198.8586770335	1816817.3170250766	39.1806823146149	-100.6437196	557900.271009581	4313165.07652475	2906.796902574801	2801.930752450483	2773.0760275801	2772.29900550446	32.9264951462757	32.9264951462757
631	3011	44858.8586770335	1816817.3170250766	39.1806501169884	-100.6413942	558101.3037312745	4313161.10339971	2906.488624287053	2800.2607681913173	2772.756604799273	2770.5350929134	32.9264951462757	32.9264951462757
632	3012	45518.8586770335	1816817.3170250766	39.1806212594374	-100.6390689	558302.3673262645	4313157.19226226	2906.036402215447	2798.601212621582	2769.186110120685	2769.186110120685	32.9264951462757	32.9264951462757
633	3013	46178.8586770335	1816817.3170250766	39.1805908050257	-100.6367435	558503.386784653	4313153.15640615	2905.773977963416	2797.9654023916967	2767.965814809353	2768.09495207122	32.9264951462757	32.9264951462757
634	3014	46838.8586770335	1816817.3170250766	39.1805584074925	-100.6344182	558704.40141024037	4313148.183577309	2904.711535765139	2797.161600410743	2767.251657022472	2767.251657022472	32.9264951462757	32.9264951462757
635	3015	47498.8586770335	1816817.3170250766	39.1805271968926	-100.6321174	558905.4258203156	4313143.16776997	2903.613922055483	2796.1407276997	2766.4107276997	2766.4107276997	32.9264951462757	32.9264951462757
636	3016	48158.8586770335	1816817.3170250766	39.1804937861504	-100.6297674	559106.454636236	4313141.2376694	2902.64835905197	2795.062406205952	2764.822558513814	2764.822558513814	32.9264951462757	32.9264951462757
637	3017	48818.8586770335	1816817.3170250766	39.180467609194	-100.6274421	559307.4972	4313137.26522407	2901.454516885476	2794.05892835366	2763.994181124507	2763.994181124507	32.9264951462757	32.9264951462757</

ix	iy	x	Y.r	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BREIEvLogKg.r	BREIEvLogKg.r	BREIEvLogKg.r	SatTh	SatThBoth
719	38	28099	102938.85687307335	816817.3170250766	-100.1762264868576	-100.4367638	375791.6682541673	4330812.089622399	2795.242643230517	2768.791374	2586.7495925587837	2585.792719786187	92.0417810631651	92.998652681848
720	38	28100	103598.85687307335	816817.3170250766	-100.17615620999125	-100.4344384	375962.689531572903	433080.131024486	2794.4335050348877	2677.216784496587	2592.38952233376	2591.5001974684787	94.8821650695751	95.7624989690737
721	38	28101	104258.85687307335	816817.3170250766	-100.1760654359864	-100.4321131	376193.7107	433080.47183036923	2793.6278857448418	2595.8247508304567	2595.8247508304567	2595.8247508304567	97.9341006643926	98.8569666133467
722	38	28102	104988.85687307335	816817.3170250766	-100.1759403884314	-100.4294784	376394.7317272311	4330800.214	2792.8152281390315	2597.2435009134592	2599.990309306305	2599.1251131397314	74.1837042649159	75.1278730946069
723	38	28103	105578.85687307335	816817.3170250766	-100.1759246845614	-100.4274625	376595.7526448214	433080.253610223	2790.657259079206	2672.754152399395	2602.750444952864	2601.7938341009126	70.18370744663112	70.9603182948243
724	38	28104	106218.85687307335	816817.3170250766	-100.17587111425	-100.4251371	376796.7344663514	4330792.29841029	2787.00058119259	2671.2622752651203	2604.6482403601882	2607.787223201204	76.18370744663112	76.47505206
725	38	28105	106898.85687307335	816817.3170250766	-100.1757980885856	-100.4228118	376997.7941285539	4330788.34060094	2783.398567182216	2668.7786636117214	2606.197239	2605.5637896301777	64.2130295970377	64.2130295970377
726	38	28106	107558.85687307335	816817.3170250766	-100.1757251168904	-100.4204865	377188.1847	4330784.36308977	2778.768652132268	2668.298253296268	2607.40378956597	2606.945641895717	60.4934553691087	61.35258973
727	38	28107	108218.85687307335	816817.3170250766	-100.1756519690579	-100.4181614	377399.8319574684	4330780.425682902	2774.638944883648	2666.8257029708	2608.700730330559	2607.981656291365	53.8596666133467	54.8596666133467
728	38	28108	108878.85687307335	816817.3170250766	-100.175577679	-100.4158338	377600.8554635165	4330776.43781575	2767.9498013167616	2665.50569	2609.2689334161055	2608.74540603477	56.05005482	56.05005482
729	38	28109	109538.85687307335	816817.3170250766	-100.4135105	-100.4135105	377801.8756726954	4330776.43781575	2761.267014515834	2663.89682000819	2610.087857182234	2609.554624059684	53.8083621858472	54.34213099485038
730	38	28110	110198.85687307335	816817.3170250766	-100.41155287	-100.41155287	378002.8957640935	4330768.554730436	2754.5716	2662.403668841350	2610.760780537504	2609.954717363404	51.6998812038911	52.475597307799035
731	38	28111	110858.85687307335	816817.3170250766	-100.4085999	-100.4085999	378203.9173804023	4330764.59774008	2753.8962199093825	2660.958084016507	2610.9755671984212	2610.136147627393	50.8236607425786	50.8236607425786
732	38	28112	111518.85687307335	816817.3170250766	-100.4056535	-100.4056535	378404.93359547304	4330760.64117155	2750.2345954390763	2659.480587865114	2611.11800668719	2610.516442260514	48.367058118092245	48.367058118092245
733	38	28113	112178.85687307335	816817.3170250766	-100.4024292	-100.4024292	378605.9553	4330756.685	2747.572899869794	2658.006049917946	2610.85625227624	2610.1205086696947	47.20245176417084	47.8953213128853
734	38	28114	112838.85687307335	816817.3170250766	-100.411751251743896	-100.4018839	378806.749672375	4330752.728544919	2749.911240430473	2656.52578852815	2610.61002712582	2609.94930670382	45.9120740202947	46.5733728746942
735	38	28115	113498.85687307335	816817.3170250766	-100.3995586	-100.3995586	379007.9944634367	4330748.72148191	2747.6133357454	2655.034901525968	2610.40574388197	2610.832538779307	43.6291957840187	44.2026321329175
736	38	28116	114158.85687307335	816817.3170250766	-100.3972332	-100.3972332	379209.013852084	4330744.81656519	2749.768577672297	2653.5426336024953	2615.494734533046	2615.821981934106	43.62919577919074	43.62919577919074
737	38	28117	114818.85687307335	816817.3170250766	-100.3949079	-100.3949079	379410.031267582	4330740.86085817	2747.84024178002	2650.54826346512	2610.22156689197	2608.351039203617	41.843666454506	43.62919577919074
738	38	28118	115478.85687307335	816817.3170250766	-100.3925826	-100.3925826	379611.0522842888	4330736.305290961	2746.914043673084	2650.4443473084	2607.662042893681	2608.339188618766	42.20508491207514	42.20508491207514
739	38	28119	116138.85687307335	816817.3170250766	-100.3902573	-100.3902573	379812.017326082	4330732.95	2744.174482589044	2649.038323095626	2606.876121603765	2606.876121603765	41.6220140578616	41.38420433925148
740	38	28120	116798.85687307335	816817.3170250766	-100.3874954	-100.3874954	379930.0902521179	4330728.94682294	2742.35899281693	2647.267355571964	2611.383485776653	2609.08242	38.4146818005116	38.4146818005116
1	38	28121	117458.85687307335	816817.3170250766	-100.3848496282913	-100.3848496	379948.9658622913	4330724.98465774	2740.9191691692	2645.8991691692	2611.383485776653	2609.08242	38.4146818005116	38.4146818005116
2	38	28122	118028.85687307335	816817.3170250766	-100.3821398	-100.3821398	379963.21620714043	4330720.9151881	2740.054065513416	2647.1628088077	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
3	38	28123	118698.85687307335	816817.3170250766	-100.3796211413	-100.3796211	379978.232288523	4330716.43781575	2739.876274655872	2647.1628088077	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
4	38	28124	119368.85687307335	816817.3170250766	-100.3769116324	-100.3769116	379993.464271505575	4330712.2616811	2738.80133761	2646.1330229755	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
5	38	28125	120038.85687307335	816817.3170250766	-100.3742011	-100.3742011	379993.464271505575	4330708.2916811	2737.73133761	2645.0635209493	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
6	38	28126	120698.85687307335	816817.3170250766	-100.3714916	-100.3714916	379993.464271505575	4330704.43781575	2736.66274655872	2644.0935209493	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
7	38	28127	121398.85687307335	816817.3170250766	-100.3687821	-100.3687821	379993.464271505575	4330700.66274655872	2735.5938274655872	2643.02462146723	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
8	38	28128	122098.85687307335	816817.3170250766	-100.3660726	-100.3660726	379993.464271505575	4330696.896274655872	2734.525938274655872	2642.053938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
9	38	28129	122798.85687307335	816817.3170250766	-100.3633631	-100.3633631	379993.464271505575	4330693.1200362	2733.45703938274655872	2641.0830457274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
10	38	28130	123498.85687307335	816817.3170250766	-100.3606536	-100.3606536	379993.464271505575	4330689.356938274655872	2732.3851503938274655872	2640.0141733	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
11	38	28131	124198.85687307335	816817.3170250766	-100.3579441	-100.3579441	379993.464271505575	4330685.589638274655872	2731.316261503938274655872	2639.0454038274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
12	38	28132	124898.85687307335	816817.3170250766	-100.3552346	-100.3552346	379993.464271505575	4330681.8181818	2730.247361503938274655872	2638.075938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
13	38	28133	125598.85687307335	816817.3170250766	-100.3525251	-100.3525251	379993.464271505575	4330677.4074074	2729.17647361503938274655872	2637.0074074	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
14	38	28134	126298.85687307335	816817.3170250766	-100.3498156	-100.3498156	379993.464271505575	4330673.0000000	2728.1065847361503938274655872	2636.0365847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
15	38	28135	126998.85687307335	816817.3170250766	-100.3471061	-100.3471061	379993.464271505575	4330668.5925926	2727.037695847361503938274655872	2635.067695847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
16	38	28136	127698.85687307335	816817.3170250766	-100.3443966	-100.3443966	379993.464271505575	4330664.1851852	2726.068795847361503938274655872	2634.098795847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
17	38	28137	128398.85687307335	816817.3170250766	-100.3416871	-100.3416871	379993.464271505575	4330659.7777778	2725.099895847361503938274655872	2633.129895847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
18	38	28138	129098.85687307335	816817.3170250766	-100.3389776	-100.3389776	379993.464271505575	4330655.3703704	2724.13099895847361503938274655872	2632.16099895847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
19	38	28139	129798.85687307335	816817.3170250766	-100.3362681	-100.3362681	379993.464271505575	4330650.9703704	2723.16199895847361503938274655872	2631.20199895847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
20	38	28140	130498.85687307335	816817.3170250766	-100.3335586	-100.3335586	379993.464271505575	4330646.5633333	2722.19299895847361503938274655872	2630.23299895847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.421495659416
21	38	28141	131198.85687307335	816817.3170250766	-100.3308491	-100.3308491	379993.464271505575	4330642.1566667	2721.22399895847361503938274655872	2629.26399895847361503938274655872	2613.759418393407	2613.759418393407	37.421495659416	37.4214

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	BrElevBothKgr.f	SatThLgts.f	SatThBoth.f
95	28225	-302301.1413	1817477.3170250766	39.15127019303928	-101.8645166	252338.18547140784	4333475.94194908	7790.748829834991	3712.035287406407	3690.5342857939645	3692.207136046631	25100161244245	19.828151359775802		
106	28226	-301641.1413	1817477.3170250766	39.1523074220688	-101.8621915	252539.31843435555	4333471.878500448	7786.806731700554	3709.4543251271893	3681.713052042789	3683.1649178	27.74123308400392	26.28934728238937		
107	28227	-300781.1413	1817477.3170250766	39.1531132647065	-101.8598664	252740.4517220688	4333487.815224744	7787.700510481486	3706.8638727178353	3675.5071393333167	3678.6454393691696	33.35673343848637	32.20934973591696		
108	28228	-300321.1413	1817477.3170250766	39.1533170582548	-101.8575413	252941.58395516616	4333463.752121945	7787.45824641818	3704.263161014238	3666.100012	3678.634383787024	38.14239768217885	37.46238376717885		
109	28229	-299661.1413	1817477.3170250766	39.1535321027307	-101.8552161	253142.7162934388	4333459.689192053	7787.206979	3701.85302714517	3659.4018354313453	3663.104391489246	41.52219722811715	41.548632555232416		
110	28230	-299001.1413	1817477.3170250766	39.15374349891331	-101.852891	253343.8483873188	4333455.62435056	7786.95137302962	3699.03462459355	3653.22463727324	3654.160489144612	45.80999873303109	44.873973314743215		
111	28231	-298341.1413	1817477.3170250766	39.1539281444623	-101.8505659	253544.98023874867	4333451.563500504	7784.503488013055	3696.40836381058	3647.657017957935	3649.408363822287	48.50788515506463	46.92833797462396		
112	28232	-297681.1413	1817477.3170250766	39.15413094171764	-101.8482407	253746.1118421917	4333447.501439739	7779.853031717424	3683.7759424539363	3643.688741231748	3644.824151074748	50.780072073256154	49.3544170194323		
113	28233	-297021.1413	1817477.3170250766	39.1543333989666	-101.8459156	253947.2432057683	4333443.43201411	7779.197115421782	3681.13584581958787	3640.083676588162	3640.802658956265	51.05018497690455	50.358891544313654		
114	28234	-296361.1413	1817477.3170250766	39.15453518900466	-101.8435905	254148.3742156875	4333439.37135629	7779.5439291251696	3688.497225145952	3637.7070232032547	3638.059390750094	51.49019625254954	50.427295174572454		
115	28235	-295701.1413	1817477.3170250766	39.1547366390362	-101.8412653	254349.50519614347	4333435.31243329	7765.794819743267	3685.826780329322	3634.2631	3635.207366501674	51.58957194317212	50.63194138217088		
116	28236	-295041.1413	1817477.3170250766	39.154937389921	-101.8389402	254550.63528735075	4333431.25325338	7760.949786466293	3683.205547178484	3631.825336025027	3632.5244449341353	51.980211592921524	50.68110268371311		
117	28237	-294381.1413	1817477.3170250766	39.15511381917176	-101.8366151	254751.76631549135	4333427.191974669	7765.1047534582594	3680.55642259116	3629.357032197935	3629.4056625961958	51.38229733314743215	51.1507766951758054		
118	28238	-293721.1413	1817477.3170250766	39.1553232947756	-101.834289	254952.8964060797	4333423.130060619	7761.2597240247706	3677.905824747706	3626.295254212159	3626.295254708265	51.64657062546956	51.61195639184098		
119	28239	-293061.1413	1817477.3170250766	39.1555379450229	-101.8319648	255154.2636348852	4333419.69999405	7763.811779706484	3675.25430478131	3623.4899815919643	3623.007344731163	51.78432323	52.26487040996804		
120	28240	-292401.1413	1817477.3170250766	39.155737153115305	-101.8296397	255355.1560273524	4333415.008371023	7763.811911228957	3672.802810695856	3620.6010063002705	3619.738235820448	52.0018439523504	52.86657487705771		
121	28241	-291741.1413	1817477.3170250766	39.15593590872635	-101.8273145	255556.28544175313	4333410.94515463	7763.8078027474558	3669.951277611313	3617.1363812331036	3617.10728478175	52.054925928209504	53.84396873349621		
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123	28243	-290421.1413	1817477.3170250766	39.1563320726383	-101.8226642	255958.54535192804	4333402.823227865	7761.676919718183	3664.6450131758537	3609.374683937719	3607.51915785783	55.27032923786644	57.12585531746755		
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150	28270														

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatThLg.f	SatThBoth.f	
231	23	28351	-219141.1413	181747.71720250766	39.11750952351828	-101.5715417	2776.89104555	4323965.307	3455.015982859595	3347.542084776144	3351.519366632144	3360.198725767735	0
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237	23	28357	-215181.1413	181747.71720250766	39.1175894032365036	-101.5575991	27885.70904870134	4323941.059178379	3430.00367493349	3329.547495217408	3356.1079803291527	3358.9073065571974	0
238	23	28358	-214521.1413	181747.71720250766	39.11760903426236	-101.5552458	27886.7145042659	4323937.014944615	3426.17427332073	3326.601476044431	3357.519092125103	3359.3667738812073	0
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241	23	28361	-212541.1413	181747.71720250766	39.11765371366602	-101.548289	27890.117066105	4323925.894742055	3395.7628048237074	3317.869925684833	3358.5509201082574	3359.2841785644004	0
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263	23	28383	-198021.1413	181747.71720250766	39.1179596510366	-101.4971328	284114.3038525284	4323836.057274664	3339.047252076876	3260.852886842278	3277.884667	3273.644892321505	0
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276	23	28396	-189441.1413	181747.71720250766	39.1181313625123	-101.4669309	286728.5469576394	4323783.59883568	3274.945198715448	3234.7635342146577	3234.945794789836	3234.945794789836	0
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278	23	28398	-188121.1413	181747.71720250766	39.11815740443335	-101.4622533	287130.7346648317	4323775.53021689	3268.151060343284	3232.243085477	3228.225310013586	3228.225310013586	0
279	23	28399	-187461.1413	181747.71720250766	39.11816962015554	-101.459828	287331.6283652874	4323771.498452398	3269.470747522967	3229.470747522967	3224.727682296926	3224.727682296926	0
280	23	28400	-186801.1413	181747.71720250766	39.11818255495512	-101.4576027	287532.82182553	4323767.45499152	3265.21690041697	3227.76956151262	3221.76956151262	3221.76956151262	0
281	23	28401	-186141.1413	181747.71720250766	39.11819524486207	-101.4552733	287734.01519211335	4323763.414911528	3265.0548450250703	3226.1032020319184	32		

ix	iy	Xc	Yc	Latitude	Longitude	UTM_Y	SurfElev	W.Lt	BREVELogsKrg	BREVEBothKrg	SatThkLogs	SatThkBoth
357	2847	-135981.1413	817477.3170250766	39.19028260972705	-101.785518	303016.5088435665	4324567.403012813	3176.873452487768	3177.841824983122	3195.2811129284886	3162.06293046457758	0
358	2848	-135321.1413	817477.3170250766	39.19037482531144	-101.762264	303127.58662917756	4324563.362914073	3178.2404102150857	3178.089734027239	3196.0526261819066	3154.7616717566496	0
359	2849	-134661.1413	817477.3170250766	39.19046697176865	-101.739051	303418.6122128867	4324563.363	3177.569323273768	3191.4387698213676	3194.459276753392	3154.7616717566496	0
360	2840	-134001.1413	817477.3170250766	39.190552009611	-101.715757	303619.17401610767	4324563.34229826	3168.6971937868076	3176.92827903247	3190.514096	3194.416872830555	0
361	2848	-133341.1413	817477.3170250766	39.1906491772208	-101.692503	303820.818265371	432441.324	3191.558410251985	3176.241517625789	3182.0143433696107	3192.769251137416	0
362	2842	-132681.1413	817477.3170250766	39.190739662371	-101.669249	304021.8958368044	432437.304	320.419627	3175.534054537879	3184.0294113091218	3191.3405191782634	0
363	2848	-132021.1413	817477.3170250766	39.1908297661104	-101.645496	304222.972585842	432433.28486442	3193.538757595364	3174.80683605404	3186.602819551757	3191.541969720413	0
364	2844	-131361.1413	817477.3170250766	39.1909193868403	-101.6262742	304424.056916476	432429.065914076	3161.915262778323	3174.0607244371386	3189.600618936758	3191.6843671909146	0
365	2845	-130701.1413	817477.3170250766	39.1910058594268	-101.607801	304625.1257219516	432425.20172747	3175.295162564738	3191.4387698213676	3194.459276753392	3154.7616717566496	0
366	2848	-130041.1413	817477.3170250766	39.1910972806979	-101.576723	304826.0176035405	432421.2282447	3171.6695324854982	3192.05965575441	3192.0108519031693	3192.0108519031693	0
367	2847	-129381.1413	817477.3170250766	39.19111855	-101.5525821	305027.2780167948	432417.209732167	3171.542618554949	3171.7002145927945	3194.6145657787747	3191.8942622010313	0
368	2848	-128721.1413	817477.3170250766	39.191273783239	-101.5259727	305228.3567662746	432413.191349498	3173.913093962904	3170.8674502179965	3197.396796646884	3197.2570027009686	0
369	2848	-128061.1413	817477.3170250766	39.191313608	-101.506474	305429.4295450087	432409.173117635	3168.285378364981	3170.0161540615094	3200.0638678145586	3194.234324271058	0
370	2849	-127401.1413	817477.3170250766	39.1914477692019	-101.48322	305630.505	432405.155	3168.656475	3169.130739375528	3201.154768861447	3201.147425	0
371	2841	-126741.1413	817477.3170250766	39.19153415562415	-101.458996	305831.580302336	432401.137196992	3200.768849	3168.228340662574	3199.432253	3200.1239073014303	0
372	2842	-126081.1413	817477.3170250766	39.1916201835017	-101.436713	306032.654034804	432397.119491795	3222.622313206313	3167.303710717638	3198.2277617084436	3196.249455305466	0
373	2843	-125421.1413	817477.3170250766	39.19170576193454	-101.414389	306233.7303081014	432393.01968473	3224.4777719925	3166.337164397575	3189.613984686677	3190.9751671090606	0
374	2844	-124761.1413	817477.3170250766	39.19179009126476	-101.3930205	306423.222627427	432389.04564211	3226.329240913537	3165.3890024183042	3183.648924026823	3185.342850911555	0
375	2846	-124101.1413	817477.3170250766	39.1918755714073	-101.369691	306635.8796421105	432385.067402721	3227.505809467653	3164.3999307179547	3177.9131223263562	3180.249572126502	0
376	2846	-123441.1413	817477.3170250766	39.191959802405	-101.343698	306836.9530801546	432381.050382271	3228.016747791657	3163.389718842766	3172.65701666465	3175.468072702905	0
377	2849	-122781.1413	817477.3170250766	39.19203438452565	-101.320244	307038.0281248345	432377.03323767	3229.0319967818	3162.3564932274166	3167.8885439792925	3171.077669681026	0
378	2848	-122121.1413	817477.3170250766	39.19217269	-101.292719	307238.1020780195	432373.016854197	3230.5931144401815	3161.3005130854028	3163.7095942132746	3167.147406819123	0
379	2849	-121461.1413	817477.3170250766	39.19226784831935	-101.267801	307465.1782431935	432369.0281926	3231.92289292166	3160.221452647356	3163.527152921266	3165.527152921266	0.0031332496936208
380	2850	-120801.1413	817477.3170250766	39.1923222438384	-101.250693	307641.294198234	432364.984009827	3232.522770409767	3159.119576879403	3156.655145486776	3160.4658394759553	2.445314892734273
381	2801	-120141.1413	817477.3170250766	39.1923742020696	-101.2227429	307842.3228067374	432360.967840124	3238.013970708267	3157.9951388404815	3153.795519715885	3157.471968554827	1.9966191234048271
382	2802	-119481.1413	817477.3170250766	39.19245576532945	-101.204175	308043.396045814	432356.951849101	3237.505707370576	3156.848497037292	3150.9719829515407	3154.8527683143143	5.876514085751296
383	2803	-118821.1413	817477.3170250766	39.19253684330566	-101.180922	308244.2860414307	432352.4470826789	3238.44702876658	3155.680956213297764	3148.4852779090902	3147.916836537111	3.34453895750966
384	2804	-118161.1413	817477.3170250766	39.1926174811313	-101.157668	308445.5418355114	432348.923071958	3239.97656884709	3154.4931126981064	3145.827300057805	3150.10807582103283	4.385036876244118
385	2805	-117501.1413	817477.3170250766	39.19269769881816	-101.134783	308646.1446881514	432344.9051926	3241.354387466488	3153.285349476565	3144.8036926506484	3148.369265258263	5.225254892
386	2806	-116841.1413	817477.3170250766	39.19277405544	-101.111116	308847.688913735	432340.88957384	3243.619811328763	3151.000148278127	3141.6076401196865	3145.79247073015547	6.27670037015547
387	2807	-116181.1413	817477.3170250766	39.1928556697435	-101.087906	309048.7591707382	432336.874437822	3191.6489702340478	3150.817685531825	3139.6024868990553	3143.825518	11.215921564127257
388	2808	-115521.1413	817477.3170250766	39.19293540598554	-101.064653	309249.81324040236	432332.85496168	3237.316356136027	3147.316356136027	3137.755016130064	3141.724243944805	11.80724037304708
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390	2810	-114201.1413	817477.3170250766	39.19309187602795	-101.018415	309651.9748178519	432324.800431395	3243.651124857124	3147.005287766667	3134.994913964916	3137.9326750272883	12.011014811755056
391	2811	-113541.1413	817477.3170250766	39.19316996959726	-100.994891	309853.0452650484	432320.81584256	3245.651483061614	3136.27307318629	3133.4354847662337	3136.2595802	12.271532552956456
392	2812	-112881.1413	817477.3170250766	39.1932461488079	-100.971637	310045.11674485	432316.810129752	3246.981967889698	3135.285349476565	3134.8036926506484	3134.8036926506484	11.1257363620369
393	2813	-112221.1413	817477.3170250766	39.193323009842	-100.948848	310255.1887240744	432312.787	3247.93132352680398	3134.070713	3130.6404175833535	3132.700451721951	12.3245558035655
394	2814	-111561.1413	817477.3170250766	39.19339915634065	-100.92513	310456.25973097887	432308.77237777	3249.04640756775	3141.73317816899	3129.402735694293	3131.393038747594	12.34034159954246
395	2815	-110901.1413	817477.3170250766	39.1934748534859	-100.901876	310657.350	432304.759463986	3250.637595761954	3140.38452404686	3128.261233873124	3127.917756824815	12.12390043344527
396	2816	-110241.1413	817477.3170250766	39.19355011616095	-100.878622	310858.4010699279	432300.746	3251.262220299746	3139.07408652487	3127.197410956179	3129.03686221562	11.8227976666821
397	2817	-109581.1413	817477.3170250766	39.19362409052026	-100.855368	311059.4716047155	432296.732428505	3258.89684399794	3137.654253129217	3126.1811903477937	3127.947191784163	11.47306278142332
398	2818	-108921.1413	817477.3170250766	39.1936992502634	-100.832115	311260.5416693697	432292.917166882	3261.941483061614	3136.273683494948	3124.944925075587	3126.915031903698	11.324455191249876
399	2819	-108261.1413	817477.3170250766	39.1937742488079	-100.809488	311467.688913735	432288.929411024	3263.98209411024	3134.8036926506484	3125.778872704842	3125.778872704842	11.084958258263
400	2820	-107601.1413	817477.3170250766	39.193846602335	-100.785167	311662.8815027824	432284.93165238	3265.925734731992	3133.484337156217	3122.65776653546	3124.5262670701	11.084958258263
401	2821	-106941.1413	817477.3170250766	39.1939196046797	-100.762353	311863.75117072114	432280.68400999	3267.355688273164	3132.07667271593	3121.24665230271	3121.3849267406	11.084958258263
402	2822	-106281.1413	817477.3170250766	39.1939921578472	-100.739099	312064.820639589	432276.66728058	3269.7580037134	3130.659964631376	3119.626473080973	3121.400717346975	11.03495155040395
403	2823	-105621.1413	817477.3170250766	39.19406426185536	-100.715845	312265.88916703	432272.655420753	3288.360141600839	3129.23418895556	3117.728098044458	3119.3130310140316	11.50429045110165
404	2824	-104961.1413	817477.3170250766	39.19413391673414	-100.692591	312466.8991315566	432268.643	3291.87162507534	3127.8004324891704	3115.50267923306	3117.1027823386	11.06803458081725
405	2825	-104301.1413	817477.3170250766	39.19420712245338	-100.669838	312689.925925044	432264.631	3293.963524142258	3126.890493816566	3114.7473727841483	3114.7473727841483	11.06803458081725
406	2826	-103641.1413	817477.3170250766	39.194277670229	-100.647088	312899.065540314	432260.91221842	3296.765044320545	3125.91562875956	3110.310706204046	3112.05749149764	11.06803458081725
407	2827	-102981.1413	817477.3170250766	39.1943481864429	-100.62283	313070.1651988007	432256.607496965	3282.788621390082	3123.472994777704	3107.372899891243	3109.615152	11.06803458081725
408	2828	-102321.1413	817477.3170250766	39.19441804471265	-100.5995							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfKthLog.f	SurfKthBot.f
483	28603	-52821.14133	181747.7172025076	39.11983773292672	-100.9855524	328350.8529253687	4313962.151282853	3132.312511194734	302.5976606353073	2928.818939749498	2928.841473237057	73.790210898029	73.656487116150	
484	28604	-52811.14133	181747.7172025076	39.11984130516206	-100.983227	32851.907941552	4313948.21668357	3101.0113546773085	2927.756720703714	2927.8962101875527	73.2543631793113	73.1151472409255		
485	28605	-5181.14133	181747.7172025076	39.1198448232161	-100.969691	32872.562927681	4313924.11824387	3108.744022691387	2929.434861191568	2928.738502344083	72.893024375	72.6881978451617		
486	28606	-50841.14133	181747.7172025076	39.1198431495453	-100.978572	32894.0174042267	4313919.71997592	3129.965780327098	2907.867776959074	2925.348917263047	72.5485995277001	72.4183213281621		
487	28607	-50181.14133	181747.7172025076	39.11985175245346	-100.9762508	32915.5701983782	4313936.22188604	3129.24633	2996.306627994524	2923.9205866880714	72.93397617870867	72.3815930645088		
488	28608	-49521.14133	181747.7172025076	39.1198514055472	-100.9739254	32935.126330431	4313922.22853074	3128.589671595802	2994.7490414813165	2922.3240832663296	72.922405621	72.343240643678		
489	28609	-48861.14133	181747.7172025076	39.1198584927218	-100.9716	32957.1805093718	4313922.26206886	3127.9330136470935	2993.1905277502333	2920.9129501096163	72.92074973387405	72.275769709887		
490	28610	-48021.14133	181747.7172025076	39.1198617954287	-100.9692745	32968.325420251	4313924.28627738	3127.17735698385	2991.628546557515	2919.8068997121828	72.9170689374605	72.1816740329363		
491	28611	-47541.14133	181747.7172025076	39.1198655327798	-100.96891	32969.2684	4313924.11824387	3128.62745142978	2990.948617135068	2919.2011143186885	72.916778451617	72.163025845476		
492	28612	-46891.14133	181747.7172025076	39.1198692565687	-100.9646237	33010.3240403145	4313916.23964525	3123.152181980873	2988.49642514665	2917.719395210474	72.9174980107096	70.777367		
493	28613	-46221.14133	181747.7172025076	39.119871434270166	-100.9622983	33061.39556180284	4313912.23689043	3120.6216188187677	2986.3041871584241	2916.49721584241	72.916533981969506	70.4380288751239		
494	28614	-45561.14133	181747.7172025076	39.1198745736764	-100.9599729	330562.4809690905	4313908.23986364	3118.01955665668	2985.37682967308	2915.0850758801525	72.911724037374906	70.2939078088364		
495	28615	-44901.14133	181747.7172025076	39.119877635549294	-100.9576475	330763.5020919018	4313904.23252283	3115.6758296988125	2983.730267909318	2913.751425904897	72.9160780894051	70.22654711509122		
496	28616	-44241.14133	181747.7172025076	39.1198806681511	-100.955321	330964.5551086313	4313904.2668818	3112.732208972175	2982.299051439236	2911.954522337681	72.9154620546617	70.208520624277		
497	28617	-43581.14133	181747.7172025076	39.11988365716511	-100.952966	331165.607960151	4313896.25049076	3111.094852116225	2980.794980911436	2910.2919943504096	72.91130473506477	70.4875416047394		
498	28618	-42921.14133	181747.7172025076	39.11988694585684	-100.9506712	331366.046545086	4313892.25409937	3108.80248320274	2979.273991163325	2907.649784545984	71.4969654565405	71.625127073813		
499	28619	-42261.14133	181747.7172025076	39.11988949117261	-100.9483458	331567.7116805197	4313884.25815759	3107.123803475887	2977.783873925487	2905.9710353121017	72.9058593181762	71.81262041		
500	28620	-41601.14133	181747.7172025076	39.11989263270009	-100.9460204	331768.7655243963	4313884.26113158	3106.058212556006	2976.308284133078	2904.634648356332	72.904581760533875	71.6736357747587		
501	28621	-40941.14133	181747.7172025076	39.11989516140671	-100.943695	331969.81771737465	4313880.26417263	3104.98221637014	2974.8430734494245	2903.439232422416	72.903465641394708	71.473743206		
502	28622	-40281.14133	181747.7172025076	39.11989702517884	-100.9413695	332170.8696545004	4313876.27080943	3103.923710718523	2973.3885621003815	2901.5917716726585	72.901796904272085	71.76927449487584		
503	28623	-39621.14133	181747.7172025076	39.11990064403713	-100.9390441	3323973.9217	4313872.27496539	3102.847181793252	2971.9456357956243	2899.2017866716733	72.90891668734107	72.7438912415078		
504	28624	-38961.14133	181747.7172025076	39.11990331797274	-100.9367181	332572.973499562	4313868.26029205	3101.75201487190258	2970.515274202476	2896.4573584060444	72.90622236912224	72.7195158013377		
505	28625	-38341.14133	181747.7172025076	39.11990620355013	-100.934363	332774.024645474	4313862.26574887	3101.922989190034	2969.508496721114	2895.890874728629	72.90382696346508	72.7195158013377		
506	28626	-37641.14133	181747.7172025076	39.1199053110313	-100.9320769	332975.073199204	4313860.29038227	3099.51727089567	2967.69530040274	2894.35362965159	72.9041545348148	73.3426779511474		
507	28627	-36981.14133	181747.7172025076	39.11991107029454	-100.9297425	333176.127599174	4313854.26969067	3098.438024	2966.31407415876	2893.32819389867	72.905728612687	72.9026754264888		
508	28628	-36321.14133	181747.7172025076	39.119913564570034	-100.927417	333377.178692257	4313852.30171393	3100.2857366843244	2964.924079341283	2892.502029403377	72.9023242343965	72.4218764		
509	28629	-35661.14133	181747.7172025076	39.1199160139263	-100.9250916	333578.22946111276	4313848.36818201	3101.13353	2963.9922705850403	2891.72129424131	72.90169540603482	71.93282638155851		
510	28630	-35001.14133	181747.7172025076	39.1199184183371	-100.9227662	333779.2801862919	4313844.312633079	3101.981282706147	2962.261156238914	2891.575251673814	72.901152628947055	71.71043636105737		
511	28631	-34341.14133	181747.7172025076	39.1199207799112	-100.9204876	333981.3081182692	4313840.318178245	3101.922989190034	2961.922989190034	2890.82236285746	72.9007236787254	72.7195158013377		
512	28632	-33681.14133	181747.7172025076	39.1199239113875	-100.9181154	334181.38113875	4313832.3174857	3101.952802112537	2960.65709544638	2890.871029470835	72.9007236787254	72.7195158013377		
513	28633	-33021.14133	181747.7172025076	39.11992536	-100.91579	334382.43137381156	4313832.31068765	3099.984711159983	2958.38357562683	2890.90273242419954	72.90089391167235	72.6758213268742		
514	28634	-32361.14133	181747.7172025076	39.11992758698908	-100.9134645	334583.4814669933	4313828.33791165	3097.16232017101	2957.12949738529	2891.144375704977	72.90089391167235	72.6758213268742		
515	28635	-31701.14133	181747.7172025076	39.1199297685327	-100.911391	334784.53135858756	4313824.34252286	3097.4921547476065	2955.894637504643	2891.252060448657	72.90089391167235	72.6758213268742		
516	28636	-31041.14133	181747.7172025076	39.119931901801465	-100.9088137	334985.5811087916	4313820.351	3095.411579081494	2954.6785555431353	2890.972214092112	72.90089391167235	72.6758213268742		
517	28637	-30381.14133	181747.7172025076	39.11993398183376	-100.9064883	335166.6089762953	4313816.358	3093.331003415915	2953.480611355815	2889.690404162587	72.90089391167235	72.6758213268742		
518	28638	-29721.14133	181747.7172025076	39.11993620355013	-100.9041629	335367.3081182692	4313812.36526654	3091.25427440285	2952.2989190034	2887.074891571935	72.90089391167235	72.6758213268742		
519	28639	-29061.14133	181747.7172025076	39.11993837150575	-100.9018374	335568.72939371703	4313808.37260919	3089.637107681976	2951.1356879894	2885.450697180476	72.90089391167235	72.6758213268742		
520	28640	-28401.14133	181747.7172025076	39.119939992435064	-100.899512	335789.77499923	4313804.30123071	3088.641652474049	2949.986341250276	2879.829309349896	72.90089391167235	72.6758213268742		
521	28641	-27741.14133	181747.7172025076	39.11994198036225	-100.8971866	335990.8274462509	4313800.38706008	3087.58949178606	2948.851777354498	2878.756842156378	72.90089391167235	72.6758213268742		
522	28642	-27081.14133	181747.7172025076	39.11994376825267	-100.8948612	336191.8762324529	4313796.35658716	3086.55033885312	2947.729960323395	2878.756830563807	72.90089391167235	72.6758213268742		
523	28643	-26421.14133	181747.7172025076	39.119945588792916	-100.8925358	336392.9248687035	4313792.4081193	3085.410326298414	2946.619927	2878.019207	72.90089391167235	72.6758213268742		
524	28644	-25761.14133	181747.7172025076	39.11994754341361	-100.8902103	336593.93732520515	4313788.4173422	3084.271796384049	2945.50244615004	2869.42344848131	72.90089391167235	72.6758213268742		
525	28645	-25101.14133	181747.7172025076	39.1199495611827	-100.8878555	336794.9977977835	4313784.4776122	3083.07423538076	2944.38051224961	2868.89051224961	72.90089391167235	72.6758213268742		
526	28646	-24441.14133	181747.7172025076	39.1199507809178	-100.8855055	336996.0977977835	4313780.4776122	3081.7423538076	2943.348005811255	2867.89051224961	72.90089391167235	72.6758213268742		
527	28647	-23781.14133	181747.7172025076	39.11995242	-100.8832341	337197.117768268	4313776.47468572	3079.76258419702	2942.2752042643538	2865.629845425465	72.90089391167235	72.6758213268742		
528	28648	-23121.14133	181747.7172025076	39.11995407173688	-100.8809087	337398.1655978243	4313772.46339747	3078.100323	2941.208789	2863.275869985835	72.90089391167235	72.6758213268742		
529	28649	-22461.14133	181747.7172025076	39.1199556877776	-100.8785832	337599.2132685477	4313768.45583035	3076.587485196307	2940.1486991767893	2862.0467931	72.90089391167235	72.6758213268742		
530	28650	-21801.14133	181747.7172025076	39.11995770490271	-100.8762578	337800.2607969544	4313764.46491233	3065.05411612307	2939.094127741915	2857.35120109488	72.90089391167235	72.6758213268742		
531	28651	-21141.14133	181747.7172025076	39.1199595611165	-100.8737824	338001.3081182692	4313760.4776122	3063.06273555153	2938.04263555153	2856.445813894	72.90089391167235	72.6758213268742		
532	28652	-20481.14133	181747.7172025076	39.1199613813875	-100.871607	338202.35330367	4313756.48321509	3058.55516140407						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBothKgr.ft
609	28729	30338.8586730335	817477.3170250766	39.11993412419984	-100.6925495	353682.5300790065	4331449.277799037	2952.1667431471387	2841.125108959248	2820.788381588946	2821.817160436602	30.36727007302215	19.30794815964003
610	28730	30339.8586730335	817477.3170250766	39.11993520740504	-100.6902241	353883.5664359045	4331405.750338805	2951.267725247142	2839.0934343095254	2819.196172038394	2821.817160436602	30.36727007302215	19.30794815964003
611	28731	30340.8586730335	817477.3170250766	39.11993629474305	-100.6878997	354084.6191510295	4331441.734667187	2950.4648494944	2837.9174735702	2817.1687047773293	2821.817160436602	30.36727007302215	19.30794815964003
612	28732	30318.8586730335	817477.3170250766	39.119927778771	-100.685732	354285.637	4331437.797	2946.81451555197	2835.0634337471626	2815.17432557914	2815.590818077328	19.89771625689548	19.05102386548316
613	28733	30297.8586730335	817477.3170250766	39.11992550608515	-100.6832478	354486.6720921235	4331438.18932188	2944.145546	2833.070685378817	2813.023827259932	2812.917473904478	20.046831031942475	20.1052445340381
614	28734	30368.8586730335	817477.3170250766	39.1199232392667	-100.6809224	354687.7071854443	4331429.843267797	2941.476474441234	2831.09427205138	2809.86321080821	2809.9092116951014	21.23096511033687	21.0549110303687
615	28735	30428.8586730335	817477.3170250766	39.1199209752322	-100.678597	354888.741803283	4331425.86687257	2938.769664948033	2829.15839015403	2806.687680423123	2806.91429410437	22.24736833728527	22.2215896046605
616	28736	34958.8586730335	817477.3170250766	39.1199187086202	-100.6762716	355089.7764816134	4331421.89046505	2936.02511483706	2827.197905265795	2803.468481209685	2803.564139826278	23.72730931671458	23.541651404311763
617	28737	35618.8586730335	817477.3170250766	39.11991616911536	-100.6739463	355290.5798176376	4331417.956982218	2934.2605579786653	2825.15219485371157	2800.192717081135	2800.322707738897	24.86163583127986	24.86163583127986
618	28738	30278.8586730335	817477.3170250766	39.11991712283375	-100.6716207	355491.945148306	4331413.439	2933.5300634953507	2823.371660254777	2797.336993659574	27.0219616914202	25.34079434	
619	28739	36938.8586730335	817477.3170250766	39.11991123145786	-100.6692953	355652.8765875805	4331407.268912525	2927.77292012053	2821.487724344877	2794.2518310010696	2793.624577624676	27.25389337637255	27.25389337637255
620	28740	37598.8586730335	817477.3170250766	39.11990985121914	-100.6666989	355893.9136202064	4331405.98741089	2924.991250053588	2819.62246863127	2791.370069523067	2791.1386300617537	28.25239914005086	28.38438061373463
621	28741	38258.8586730335	817477.3170250766	39.11990611389218	-100.6646445	356094.94756291294	4331402.02049589	2921.5010405866	2817.75717191089	2788.558994322087	2788.79163874664	27.2197573890045	27.2197573890045
622	28742	38918.8586730335	817477.3170250766	39.11990387474655	-100.6623191	356295.9813053054	4331380.037	2919.48275838181	2815.94713962032	2785.8134281418675	2785.8134281418675	30.13372802164677	28.39620374376134
623	28743	39578.8586730335	817477.3170250766	39.11990081665054	-100.6599936	356497.0152593093	4331361.67193345	2917.808775037813	2814.13648535911	2783.97026157615	2782.476634030615	30.13372802164677	31.698393891406517
624	28744	40238.8586730335	817477.3170250766	39.11989810071769	-100.6576862	356698.0485357006	4331339.08691859	2915.1872072967835	2812.343170232213	2781.928734103445	2780.015073129982	30.44138112286665	32.3289710223137
625	28745	40898.8586730335	817477.3170250766	39.1198953381445	-100.6553428	356899.0819	4331386.12127278	2913.78674265575	2810.566703962459	2780.418896205525	2780.418896205525	30.14781758649372	32.4398474386504
626	28746	41588.8586730335	817477.3170250766	39.119892534005345	-100.6530174	357101.151848339	4331382.13765754	2911.38631234276	2808.806684	2778.645698644811	2778.645698644811	32.15969458489115	32.15969458489115
627	28747	42218.8586730335	817477.3170250766	39.11988968328042	-100.650862	357301.1483	4331378.16330764	2910.42720583484	2807.063036	2776.721872852683	2775.471800909363	31.5912356642893	31.5912356642893
628	28748	42878.8586730335	817477.3170250766	39.11988678639636	-100.6483666	357502.1812613335	4331374.18910443	2910.589323120273	2805.35132884424	2775.169413927695	2775.169413927695	30.16521360747284	31.22084453112022
629	28749	43538.8586730335	817477.3170250766	39.11988384706301	-100.6460411	357703.2140920759	4331370.25107896	2910.69169450471	2803.622566124557	2773.404561248833	2772.883251374374	30.216643768572794	30.216643768572794
630	28750	44198.8586730335	817477.3170250766	39.11988081650055	-100.6435715	357904.2468463594	4331366.24124607	2910.750456791158	2801.56372334726	2771.270683391956	2770.9767290616	30.2658884271757	30.2658884271757
631	28751	44858.8586730335	817477.3170250766	39.1198781220773	-100.6411599	358105.2794380479	4331362.62181948	2910.74675848454	2800.285987848145	2769.46867823134	2769.46867823134	30.28481468387346	30.28481468387346
632	28752	45518.8586730335	817477.3170250766	39.11987457591559	-100.6390489	358306.3185561117	4331358.23098132	2910.29177779126	2800.285987848145	2768.94622554857	2768.94622554857	30.28481468387346	30.28481468387346
633	28753	46178.8586730335	817477.3170250766	39.11987163566663	-100.6367395	358507.341613484	4331354.32968143	2908.922962771984	2796.904491470945	2768.002609092235	2768.129692271984	29.80184815071047	28.91487100413927
634	28754	46838.8586730335	817477.3170250766	39.11986875050828	-100.6344141	358708.372875623	4331350.34456935	2909.55428674611	2795.252610280728	2767.54362073567	2767.71710474698	28.917174073292153	28.917174073292153
635	28755	47498.8586730335	817477.3170250766	39.11986526059268	-100.6320886	358909.4082384703	4331346.37439592	2908.6588555497	2793.010294081768	2767.519439136238	2767.519439136238	25.76008508146257	25.76008508146257
636	28756	48158.8586730335	817477.3170250766	39.11986205554189	-100.629732	359110.4401521624	4331342.401591027	2908.39712019777	2791.977562887173	2768.304160330473	2768.5151901496715	26.0234049370045	26.0234049370045
637	28757	48818.8586730335	817477.3170250766	39.119859716138325	-100.627478	359315.4719	4331338.428911526	2907.94675848454	2790.94675848454	2767.94675848454	2767.94675848454	26.0234049370045	26.0234049370045
638	28758	49478.8586730335	817477.3170250766	39.1198569559124	-100.6251203	359512.5039	4331334.4500208	2907.49738948347	2790.49738948347	2767.94675848454	2767.94675848454	26.0234049370045	26.0234049370045
639	28759	50138.8586730335	817477.3170250766	39.11985197114499	-100.622787	359713.534386579	4331330.48095007	2907.24487325574	2787.13780144616	2767.682579079393	2768.150543055578	26.0234049370045	26.0234049370045
640	28760	50798.8586730335	817477.3170250766	39.1198485361446	-100.6204616	359914.566261736	4331326.51188413	2906.182643617	2785.5365402471956	2766.50643471956	2766.50643471956	18.976196713022	18.976196713022
641	28761	51458.8586730335	817477.3170250766	39.1198455696817	-100.6181362	360115.5974480406	4331322.539879265	2905.1204809507	2783.94759441493	2765.8187197524217	2765.8187197524217	18.976196713022	18.976196713022
642	28762	52118.8586730335	817477.3170250766	39.11984152506115	-100.6158107	360316.263610736	4331318.568	2904.0581741961705	2782.367399024356	2765.4918744840054	2765.4918744840054	18.976196713022	18.976196713022
643	28763	52778.8586730335	817477.3170250766	39.11983798312828	-100.6134833	360517.65941892184	4331314.59637962	2903.612603319955	2780.7700471408938	2765.52927634128	2765.52927634128	18.976196713022	18.976196713022
644	28764	53438.8586730335	817477.3170250766	39.1198343488127	-100.6111599	360718.6902	4331310.62487326	2902.740747134585	2779.230271650917	2764.597371763781	2764.597371763781	18.976196713022	18.976196713022
645	28765	54098.8586730335	817477.3170250766	39.1198308652445	-100.6088435	360919.720861584	4331306.63584584	2900.68725951858	2777.672957077962	2763.707095324157	2763.707095324157	18.976196713022	18.976196713022
646	28766	54758.8586730335	817477.3170250766	39.11982695500374	-100.6065091	361120.75135512836	4331302.68237556	2900.859017127378	2776.131305541768	2762.743351	2762.743351	18.976196713022	18.976196713022
647	28767	55418.8586730335	817477.3170250766	39.1198234	-100.6041837	361321.78173171	4331302.71395233	2900.70380471263	2774.594602351544	2771.05547247397	2771.05547247397	35.39129837417405	35.39129837417405
648	28768	56078.8586730335	817477.3170250766	39.11981944	-100.6018583	361522.811973908	4331294.74057106	2898.584296689471	2773.070251703164	2771.77614915458	2771.77614915458	30.0612876480099	30.0612876480099
649	28769	56738.8586730335	817477.3170250766	39.11981560363076	-100.5995329	361723.82480190325	4331289.76919666	2896.4847646371715	2771.574960113137	2769.233217809723	2769.233217809723	1.959681022580265	1.959681022580265
650	28770	57398.8586730335	817477.3170250766	39.1198117194294	-100.5972074	361924.872055007	4331286.79438004	2894.34572559547	2770.039545477387	2767.421201165557	2767.421201165557	17.9142585826986	17.9142585826986
651	28771	58058.8586730335	817477.3170250766	39.119808216138325	-100.5949256	362129.8794781824	4331282.81912818	2893.24697779623	2768.549897170524	2766.549897170524	2766.549897170524	17.9142585826986	17.9142585826986
652	28772	58718.8586730335	817477.3170250766	39.119803817520015	-100.5925656	362326.93160276394	4331278.78953847	2892.31197520277	2767.06017779623	2764.768315502824	2764.768315502824	18.976196713022	18.976196713022
653	28773	59378.8586730335	817477.3170250766	39.1197979886053	-100.5902312	362527.9617160244	4331274.88896313	2891.361510466622	2765.59025476228	2764.156478042117	2764.156478042117	23.940758214	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHBoth.ft
739	28855	113498.85867307335	817477.31720250766	39.19317431912556	-100.3995498	39091.95197185036	43309.4932677625	270.489392282715	2654.57874969507	2611.535418925234	2609.3005874661902	34.0333103973295	45.27816291886656
739	28856	114158.85867307335	817477.31720250766	39.1930965841	-100.3972233	3792.121871181526	43309.4567645436	2768.533097683391	2653.085290179615	2613.0701964637819	2610.8685368009413	40.21675349601964	45.276349601964
737	28857	114015.85867307335	817477.31720250766	39.1930183896272	-100.3948159	3784.13490282432	43309.4518118094	2768.5271627389881	2651.887144180589	2607.8533894438173	2606.221314688242	43.7218677454201	45.266015281737
739	28858	114158.85867307335	817477.31720250766	39.1929045766008	-100.3925725	3751.0500926295	43309.451204056	2764.6361418927318	2650.084767823662	2603.8909667544055	2605.9289890643	46.393010733117	44.92547432872334
739	28859	116138.85867307335	817477.31720250766	39.1929617641393	-100.3902471	3798.61283165698	43309.3410052167	2762.802767464878	2647.587558817487	2602.508754434326	2604.186179808304	46.06901373692764	44.39590026521532
740	28860	116708.85867307335	817477.31720250766	39.1928752052435	-100.3879218	3800.17046882214	43309.3412591109	2761.1408325901507	2647.065725958645	2607.282419634616	2606.14732627969	39.1832062468474	45.19136366
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1	28862	-370281.1413	818137.31720250766	39.11472558034686	-102.1040292	31264.21542557048	4304.09649647685	401.9657849035096	3867.1679001214748	3867.1679001214748	3867.1679001214748	17.491948913202685	6.611287201
3	28863	-369821.1413	818137.31720250766	39.11475014369976	-102.1017041	31825.37466088973	4304.09649647685	401.867017051568	3876.3085349810065	3867.3085349810065	3867.3085349810065	17.491948913202685	6.611287201
4	28864	-369691.1413	818137.31720250766	39.1147757318095	-102.0993791	32026.533003099	4304.09649647685	401.0266584657984	3875.02724250822	3864.73233189701	3864.73233189701	12.29639244112143	10.45241036709676
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7	28867	-366981.1413	818137.31720250766	39.1148501420594	-102.092404	32630.008842228	4304.09649647685	400.3457177530592	3871.1914990640672	3857.502651242409	3857.35880041632	13.86878222198113	13.823699024775138
8	28868	-366321.1413	818137.31720250766	39.1148759442659	-102.090079	32831.16684594529	4304.09649647685	400.2199814593298	3869.014962915217	3854.462918758532	3854.3938711748963	15.45204156665133	15.5210917632074
9	28869	-365661.1413	818137.31720250766	39.11490085022663	-102.087739	33024.3244899718	4304.09649647685	400.0827585836084	3868.63944304038	3852.02690426737	3851.0882697589345	17.45816447070245	17.55117323171575
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11	28871	-364341.1413	818137.31720250766	39.11495052715916	-102.0831038	33434.63897748245	4304.09649647685	3996.21583445146	3866.091150534722	3843.649250591754	3843.730712442405	22.04189994296812	22.3604389032714
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16	28876	-361041.1413	818137.31720250766	39.11507393113354	-102.0714786	34420.4265700537	4304.09649647685	3990.192436265407	3839.7328740758633	3834.70149232204	3834.70149232204	26.5229444359594	26.1291944438474
17	28877	-360381.1413	818137.31720250766	39.11510143497895	-102.0692377	34614.34957072954	4304.09649647685	3989.275689912158	3838.470894909874	3832.40458910517236	3832.40458910517236	27.073171648001	27.073171648001
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19	28879	-359061.1413	818137.31720250766	39.115147436498034	-102.0645034	35043.886226684	4304.09649647685	3986.700431132004	3835.92291	3830.4180281240216	3832.059627	25.51125228438024	25.8693676832994
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23	28883	-356421.1413	818137.31720250766	39.11525481397895	-102.0552833	35848.5057687863	4304.09649647685	3978.67589428403	3828.67589428403	3828.67589428403	3828.67589428403	22.56146444596195	22.56146444596195
24	28884	-355761.1413	818137.31720250766	39.115279611281	-102.0527781	36049.4262079	4304.09649647685	3977.47289444939	3827.47289444939	3827.47289444939	3827.47289444939	16.251622105141	16.251622105141
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26	28886	-354441.1413	818137.31720250766	39.1153717505394	-102.048228	36451.9640170875	4304.09649647685	3971.529147746549	3824.099443717837	3825.02137735619	3824.25256717735619	22.07857664	12.847376512620072
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28	28888	-353121.1413	818137.31720250766	39.1153552479555	-102.0435778	36854.269650287	4304.09649647685	3966.23362105337	3844.952576580144	3822.836781767295	3825.93191412911	21.863938442002946	12.863938442002946
29	28889	-352461.1413	818137.31720250766	39.11538952304214	-102.0412582	37055.4219427864	4304.09649647685	3963.562815726901	3843.354476891125	3821.47187964484	3821.571987936838	21.8625869468483	6.16120895
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39	28899	-345861.1413	818137.31720250766	39.11562713711384	-102.018002	39066.9315631836	4304.09649647685	3944.21548039131	3831.453678505977	3804.3618868369916	3837.194592743676	27.09179171285623	0
40	28900	-345201.1413	818137.31720250766	39.11565706116112	-102.015679	39268.0810587028	4304.09649647685	3941.3017281309914	3830.9821588813406	3806.3217281309914	3836.302147009544	29.3512242650784	0
41	28901	-344541.1413	818137.31720250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogs.kg.ft	BREIEvBoth.kg.ft	SatThkLogs.ft	SatThk.kg
121	40	28981	-291741.1413	818137.3170250766	39.11740611345131	-101.82734	255660.3519	4333612.208164608	3277.5993794709243	3668.882417848781	3618.446466059867	3617.928496898287	51.53599178891428	51.95348915094913
122	40	28982	-291081.1413	818137.3170250766	39.117425944602736	-101.8250148	255761.48066369416	4333608.1472347745	3721.3742912175478	3667.232494583485	3613.805219463292	3613.805219463292	53.427106965280574	53.427106965280574
123	40	28983	-289621.1413	818137.3170250766	39.117445730845226	-101.8226968	255859.6081	4333604.068496949	3719.129074581894	3664.983136393476	3609.558253163087	3609.558253163087	54.855745823638268	55.52481122362668
124	40	28984	-289761.1413	818137.3170250766	39.1174455472178736	-101.8203644	25611.7831168253	4333600.025921122	3720.863728898209	3661.933217950684	3604.473242375628	3604.473242375628	57.4599757562362	58.320076194627984
125	40	28985	-289101.1413	818137.3170250766	39.117445516860323	-101.8180392	256364.8666430479	4333596.965519288	3722.5983834385147	3659.283279612376	3604.915865453536	3604.915865453536	59.32315773963456	59.32315773963456
126	40	28986	-288441.1413	818137.3170250766	39.11750240011869	-101.815714	256595.96453406137	4333591.905	3726.6633377618204	3656.9633277618204	3605.963432	3605.963432	60.56945525433711	60.48721103098564
127	40	28987	-287781.1413	818137.3170250766	39.11752442672506	-101.8133887	256767.1222366015	4333587.845253458	3726.165302223928	3653.98392539335	3606.74328012776	3606.74328012776	61.236064514884001	61.236064514884001
128	40	28988	-287121.1413	818137.3170250766	39.11754399	-101.8110635	256988.24977247245	4333583.7853516685	3651.3317826720213	3607.5140172740497	3585.671521620147	3585.671521620147	63.81769899791163	65.660261587439
129	40	28989	-286461.1413	818137.3170250766	39.117653502763	-101.8087385	257169.3770801704	4333579.725641732	3718.025650201746	3648.877699148148	3604.421615152637	3604.421615152637	67.7841866889261	67.7841866889261
130	40	28990	-285801.1413	818137.3170250766	39.1175297708924	-101.8054131	257370.50414854995	4333576.606747076	3731.9549241826577	3648.021972052438	3607.98893330058	3607.98893330058	70.3907977253753	70.3907977253753
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132	40	28992	-284841.1413	818137.3170250766	39.1176217611927	-101.8017627	257772.755633903	4333567.547549643	3725.50295753415	3640.70259573415	3605.82170883220	3605.82170883220	75.526645652108482	75.526645652108482
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134	40	28994	-283161.1413	818137.3170250766	39.11766042	-101.7971123	258175.0100202795	4333559.43	3722.7141145442935	3635.3715378608426	3606.620306	3606.620306	80.5880757884795283	80.5880757884795283
135	40	28995	-282501.1413	818137.3170250766	39.1176963844424	-101.794787	258376.1358990397	4333553.37013983	3723.2330941469835	3632.7010461393324	3605.986124496974	3605.986124496974	82.79416405589265	82.79416405589265
136	40	28996	-281841.1413	818137.3170250766	39.1176989852675	-101.7924816	258577.26151919572	4333551.312814804	3715.186980679157	3630.028964455002	3605.229711032437	3605.229711032437	84.99717995	84.99717995
137	40	28997	-281181.1413	818137.3170250766	39.117718022780835	-101.7901368	258778.38891013897	4333547.254811834	3711.1408677847606	3623.340809843515	3603.8618710713903	3603.8618710713903	87.186275864625	87.186275864625
138	40	28998	-280521.1413	818137.3170250766	39.11773713538485	-101.7878114	258975.9120623425	4333543.196034386	3707.094756470781653	3624.6635470781653	3603.9406397127814	3603.9406397127814	89.2270073591455	89.2270073591455
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140	40	29000	-279201.1413	818137.3170250766	39.11777525864214	-101.7831609	259381.7616153535	4333535.0802641095	3696.158592789704	3619.2773438854817	3603.5980430109758	3603.5980430109758	93.29618775723434	93.29618775723434
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143	40	29003	-277241.1413	818137.3170250766	39.118073462393724	-101.7455572	262599.7422111181	4333470.178928239	3607.223595859495	3615.3923232102677	3605.914440424654	3605.914440424654	99.488881169	99.488881169
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147	40	29007	-274581.1413	818137.3170250766	39.117907172887925	-101.7668843	260789.6277273042	4333506.84031894	3661.525555252617	3600.76127729844	3600.31372588574	3600.31372588574	108.33622033991681	108.33622033991681
148	40	29008	-273921.1413	818137.3170250766	39.11792579139505	-101.7645591	260990.75049881233	4333502.64006984	3658.737321488975	3607.539545296324	3598.831136	3598.831136	110.593161317839456	110.593161317839456
149	40	29009	-273261.1413	818137.3170250766	39.117942449992354	-101.7622338	261191.873038495	4333498.765317456	3658.796531761253	3606.98631761253	3598.290262	3598.290262	112.79416405589265	112.79416405589265
150	40	29010	-272601.1413	818137.3170250766	39.11795908	-101.7599298	261393.1175629	4333495.116755656	3656.16254514979	3592.049831927834	3599.2401393021037	3599.2401393021037	114.2526253338926	114.2526253338926
151	40	29011	-271941.1413	818137.3170250766	39.11798511245712	-101.7575834	261594.1174086504	4333490.455769091	3646.42255727885	3589.200387397646	3590.06329121125	3590.06329121125	116.6552373600304	116.6552373600304
152	40	29012	-271281.1413	818137.3170250766	39.1179999632455	-101.7552582	261795.23902403478	4333486.400035419	3638.789677858193	3586.526851891195	3586.125035140125	3586.125035140125	118.8167510698731	118.8167510698731
153	40	29013	-270621.1413	818137.3170250766	39.11801843528197	-101.7529329	261996.360630777	4333482.34474544	3625.13680240479	3583.75610682741	3583.2826503659703	3583.2826503659703	120.9321677505096	120.9321677505096
154	40	29014	-269961.1413	818137.3170250766	39.11803682932932	-101.7506077	262197.4821962799	4333478.28908457	3614.83924039226	3580.689868074067	3578.9830255757177	3578.9830255757177	122.9511420085113	122.9511420085113
155	40	29015	-269301.1413	818137.3170250766	39.118055178466584	-101.7482524	262398.603212546	4333474.233871156	3608.515899151493	3578.192413483817	3578.338445844515	3578.338445844515	124.9321677505096	124.9321677505096
156	40	29016	-268641.1413	818137.3170250766	39.118073462393724	-101.7455572	262599.7422111181	4333470.178928239	3607.223595859495	3615.3923232102677	3605.914440424654	3605.914440424654	126.996472155405	126.996472155405
157	40	29017	-267981.1413	818137.3170250766	39.11809174201072	-101.7436219	262886.12368482657	4333466.12368482657	3607.223595859495	3615.3923232102677	3605.914440424654	3605.914440424654	128.996472155405	128.996472155405
158	40	29018	-267321.1413	818137.3170250766	39.11810956417534	-101.7413067	263001.965287312	4333462.0932618815	3604.666318456203	3569.790246281955	3573.609165968549	3573.609165968549	130.996472155405	130.996472155405
159	40	29019	-266661.1413	818137.3170250766	39.11812812591409	-101.7389815	263203.0845727379	4333458.015	3607.6732623389	3566.9747211491567	3572.904304740964	3572.904304740964	132.996472155405	132.996472155405
160	40	29020	-266001.1413	818137.3170250766	39.11814625509493	-101.7366562	263404.2055244873	4333453.960384136	3614.970345423448	3564.152133	3569.86518668405	3569.86518668405	134.996472155405	134.996472155405
161	40	29021	-265341.1413	818137.3170250766	39.11816430318544	-101.734331	263605.3254223614	4333449.960538027	3612.267422722391	3561.322407722391	3567.0324051503144	3567.0324051503144	136.996472155405	136.996472155405
162	40	29022	-264681.1413	818137.3170250766	39.11818234951096	-101.7320552	263806.444726105	4333445.85199369	3609.54450426306	3558.485720312474	3556.9623613035	3556.9623613035	138.996472155405	138.996472155405
163	40	29023	-264021.1413	818137.3170250766	39.11820035490405	-101.7297552	264020.36450405	4333441.798	3607.431428126306	3556.913416482922	3554.949417476	3554.949417476	140.996472155405	140.996472155405
164	40	29024	-263361.1413	818137.3170250766	39.11821829097153	-101.7273053	264280.6829933626	4333437.74470513	3617.413428126306	3552.787496058097	3549.9963527478	3549.9963527478	142.996472155405	142.996472155405
165	40	29025	-2											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThkLog.s	SatThkBoth.ft		
247	29107	-208881.1413	818137.3170250766	39.119551169392885	-101.5343556	280900.7681465318	433301.892272796	3371.3629109738076	3302.162715065435	3330.356768540362	3330.289923167931	0	0		
248	29108	-207921.1413	818137.3170250766	39.1195534175237	-101.5230032	280111.8682876646	433309.857	3376.0485119807626	3299.4110773053071	3324.2547610797137	3322.6891961097153	0	0		
249	29109	-207261.1413	818137.3170250766	39.119573469198825	-101.5207409	281302.140189966	433308.3107111172	3380.734112967597	3296.88203720914	3318.2731333689891	3316.807395688527	0	0		
250	29110	-206601.1413	818137.3170250766	39.1195935173248	-101.5237796	281504.0672275154	433307.7256302	3385.4197139944932	3293.9616918777365	3310.2876236636346	3311.314399504784	0	0		
251	29111	-205941.1413	818137.3170250766	39.11960758935303	-101.5250542	281705.164166437	433308.73659003	3382.577564013921	3291.313727755196	3305.132896524966	3306.404295758589	0	0		
252	29112	-205281.1413	818137.3170250766	39.11962158	-101.5227289	281906.26669517974	433308.6981057	3372.20763636382	3288.679685748087	3302.010745816581	3302.44476788076	0	0		
253	29113	-204621.1413	818137.3170250766	39.1196352854851	-101.5204035	282107.3657585272	433307.65978851	3361.8377621078434	3286.0790463566633	3298.0873716820643	3298.451574906464	0	0		
254	29114	-203961.1413	818137.3170250766	39.11964392373627	-101.5180782	282308.46460689197	433307.61246358	3351.467811518057	3283.511181885854	3294.9951333501963	3292.5253486494	0	0		
255	29115	-203301.1413	818137.3170250766	39.1196528070447	-101.5157528	282509.5632044785	433309.638760587	3344.24816881515	3296.87625545485	3298.073658489134	3292.865894421206	0	0		
256	29116	-202641.1413	818137.3170250766	39.11967710373535	-101.5134275	282710.6616594937	433305.54569944	3340.1871426977454	3278.47520403143	3292.145316881789	3291.854515219426	0	0		
257	29117	-201981.1413	818137.3170250766	39.11968087	-101.5111022	282911.7598641387	433306.50820477	3338.1142973803853	3276.00678456418	3291.826148043365	3291.393222038845	0	0		
258	29118	-201321.1413	818137.3170250766	39.11970459130095	-101.5087768	283112.857854169	433305.477078396	3323.046852063025	3273.571927637105	3291.76454536399	3291.0085597442276	0	0		
259	29119	-200661.1413	818137.3170250766	39.11971827344558	-101.5064515	283313.9556311432	433303.433	3329.810342567744	3271.170720110402	3290.872327040305	3290.643561789386	0	0		
260	29120	-200001.1413	818137.3170250766	39.1197319068477	-101.5041261	283515.0531939106	433304.39386208	3329.407769945238	3268.803481706437	3292.173630713727	3287.602100501399	0	0		
261	29121	-199341.1413	818137.3170250766	39.11974549633672	-101.5018088	283716.15054312965	433304.359485519	3328.99620871341	3266.401464474147	3285.919286102854	3283.52329733513	0	0		
262	29122	-198681.1413	818137.3170250766	39.11975903891125	-101.4994754	283917.2476790031	433304.32267758	3328.59384	3254.1711192978097	3282.12412407593	3278.6733626754987	0	0		
263	29123	-198021.1413	818137.3170250766	39.1197753757467	-101.4971501	284118.3446017314	433307.28680006	3327.687342626523	3261.90618	3277.917283853112	3273.88737129676	0	0		
264	29124	-197361.1413	818137.3170250766	39.11977859	-101.4948247	284319.415113533	433303.249655249	326.2802901646797	3259.6754078829726	3273.841933879472	3269.35371831663	0	0		
265	29125	-196701.1413	818137.3170250766	39.11979940015918	-101.4924994	284520.533780806116	4333029.21402484	3323.342460671067	3257.479031241806	3269.9884130396144	3265.458058	0	0		
266	29126	-196041.1413	818137.3170250766	39.11981276408135	-101.490174	284721.6340931432	4333025.1273169	3323.466201969334	3255.3173322184234	3266.3179225202458	3261.718604892264	0	0		
267	29127	-195381.1413	818137.3170250766	39.11982663030099	-101.4878486	284822.7301653635	4333021.14142891	3321.5347374302825	3253.190612088186	3262.740243711507	3258.4215203389713	0	0		
268	29128	-194721.1413	818137.3170250766	39.11983936	-101.4859233	285123.8205245713	4333017.05567054	3307.077786449561	3251.0950273214543	3258.9486421305752	3255.6532146989478	0	0		
269	29129	-194061.1413	818137.3170250766	39.1198501291	-101.4839814	285294.9231117176	433301.83524341	3295.83593491	3248.63593491	3255.83593491178	3252.8468477332	0	0		
270	29130	-193401.1413	818137.3170250766	39.11986577053549	-101.4808728	285506.0711014274	4333009.034781205	3286.145554892304	3247.017567521969	3251.799358896128	3250.41779685943	0	0		
271	29131	-192741.1413	818137.3170250766	39.1198789999027	-101.4785472	285727.1123	4333004.999497265	3281.077225700346	3245.0192511810224	3248.6166904376	3247.36683472304	0	0		
272	29132	-192081.1413	818137.3170250766	39.119892	-101.4762219	285928.2073488904	433300.96448223	3281.345657711846	3243.048975289839	3245.905057311617	3246.0045749314147	0	0		
273	29133	-191421.1413	818137.3170250766	39.1199055359916	-101.4738965	286129.3021514005	433306.929571113	3281.618958536577	3241.072676111007	3242.259450414449	3243.643561789386	0	0		
274	29134	-190761.1413	818137.3170250766	39.119918058573184	-101.4715711	286330.39674310293	433304.94865924	3281.8915319954694	3239.193930040458	3238.776483711081	3240.811114	0.14744633351709126	0	0.2477150670664954	
275	29135	-190011.1413	818137.3170250766	39.11993101627381	-101.4692586	286531.491124225	433308.860332851	3280.754445668818	3237.3078140783077	3238.967687087124	3237.606882212251	0	0.2477150670664954		
276	29136	-189441.1413	818137.3170250766	39.119945024	-101.4665204	286732.4962916274	433304.82984	3278.207335276704	3235.484954507564	3236.2764851947216	3236.421129470546	0	0		
277	29137	-188781.1413	818137.3170250766	39.11996602933466	-101.4645951	286933.6705249299	433309.77182525	3275.6602250835904	3233.620025790254	3229.291974895446	3225.2599923970166	0.8369033393	0	0.8369033393	
278	29138	-188121.1413	818137.3170250766	39.11997682982664	-101.4622697	287134.773	4332976.75776215	3273.11314890476	3231.8222518718716	3225.7358219514817	3216.74926926635901	0.82895092635901	0.1572085728324683	0	0.1572085728324683
279	29139	-187461.1413	818137.3170250766	39.119986207938544	-101.4599443	287335.865654588	4332972.723918514	3272.684116247409	3230.0554819483173	3222.2911445053487	3205.87538376546	0.74633474296554	0.240770837177254	0	0.240770837177254
280	29140	-186801.1413	818137.3170250766	39.119995143070426	-101.457619	287536.95967613144	433296.004204768	3273.322977647893	3228.182493832714	3221.12250014099	3214.712159937	26.2107763	0	0	
281	29141	-186141.1413	818137.3170250766	39.120007833288604	-101.4552936	287738.0529734813	433294.566742837	3276.0624502613692	3226.6289150337	3215.5491160409028	3207.2823075951498	11.0777553101414	19.34458394076728	0	0
282	29142	-185481.1413	818137.3170250766	39.1200204785924	-101.4529482	287939.145091249	433290.82141776	3277.751455	3224.64124705372	3212.342417035372	3211.24484717106	12.62619413079922	13.7235692656182	0	0
283	29143	-184821.1413	818137.3170250766	39.120033078984573	-101.4506429	288140.2382123464	433290.50625453	3277.843488903762	3223.349493026637	3209.311734734008	3207.7449575068274	14.0379550568274	14.0379550568274	0	0
284	29144	-184161.1413	818137.3170250766	39.120045544660176	-101.4483175	288341.3311063143	433295.527	3285.6414	3221.7710209162583	3206.651064	3205.159965163935	15.1199565108816	39.194331006187895	0	0
285	29145	-183501.1413	818137.3170250766	39.12005814502299	-101.4459921	288542.423917571	433298.52453665	3280.337898810074	3220.235975629064	3204.115724218077	3214.851155991309	16.1202514098684	5.24081653763545	0	0
286	29146	-182841.1413	818137.3170250766	39.12007061706192	-101.4436668	288743.515468766	433294.418910765	3296.034561907634	3218.746175689875	3201.755371335067	3212.66158240545	16.99077621548074	25.7799328442527	0	0
287	29147	-182181.1413	818137.3170250766	39.12008033140695	-101.4413414	288944.6073737529	433290.45930115	3303.1666830722625	3217.3029296446245	3198.7813213294002	3213.1882940714604	17.5217631524204	0	0	
288	29148	-181521.1413	818137.3170250766	39.12009054723418	-101.439016	289145.6990587253	433295.42703969	3317.9336663773	3215.90765061751	3217.3658957407392	3212.454283371215	18.5174542101391	0	0	
289	29149	-180861.1413	818137.3170250766	39.12010020124319	-101.4369814	289349.781241473	433292.36264047	3327.88503846796	3213.516757821244	3213.284967531137	3213.284967531137	19.836010951077232	0	0	
290	29150	-180201.1413	818137.3170250766	39.120110020214349	-101.4343653	289547.88176655117	433292.36264047	3337.88503846796	3213.516757821244	3213.284967531137	3213.284967531137	20.1202514098684	0	0	
291	29151	-179541.1413	818137.3170250766	39.12012326521348	-101.4320399	289748.972834474	433292.3177725	3346.02030013717725	3212.021131154762	3219.6407448070735	3207.8040062511743	3208.36906788866	4.9371060387846	0	0
292	29152	-178881.1413	818137.3170250766	39.1201444137857	-101.4297145	289950.6365619287	433290.296603015	3350.75506239241	3210.824869230174	3218.75056758235	3202.709871627663	21.0548127419393	8.1186152403117	0	0
293	29153	-178221.1413	818137.3170250766	39.12015661262956	-101.4273891	290151.15428891296	433291.62812068	3360.459177973067	3209.68277107961	3184.8364073276107	3195.47896144117	25.8569187035017	14.2101809638471	0	0
294	29154	-177561.1413	818137.3170250766	39.12016871896653	-101.4250638	290352.244705403	433292.23685258	3368.22573701495	3208.600695677863	3182.724310440764	3184.012876370147	28.616510722533	24.5881589607158	0	0
295	29155	-176901.1413	818137.3170250766	39.12018076	-101.4227384	29									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKgr.f	BREVEBotKgr.f	SatThkLog.s	SatThkBot.f		
373	49	29233	-125421.1413	818137.3172050766	39.12098318930783	-121.2413568	306237.7517	4332594.308818465	3329.784090910562	3182.570300041221	3183.866662561726	0	0			
374	40	29234	-124761.1413	818137.3172050766	39.12099172045634	-121.2390314	306438.8263725077	4332590.29126135	3331.595262459345	3166.0544575317263	3177.663557	0	0			
375	40	29235	-124101.1413	818137.3172050766	39.12100170868482	-121.2367134	306639.9781689276	4332595.738818772	3335.8686147832	3165.867432	3172.780053687234	0	0			
376	40	29236	-123441.1413	818137.3172050766	39.1210058399791	-121.2343006	306840.9749	4332582.256673061	3331.9789100802413	3164.037941036941	3168.198865351164	3170.493058712274	0	0		
377	40	29237	-122781.1413	818137.3172050766	39.1210169739517	-121.2320551	307042.0488415584	4332578.239635485	3331.630954403064	3162.994673745532	3164.0176068162677	3163.650588537825	0	0		
378	40	29238	-122121.1413	818137.3172050766	39.12102530587672	-121.2297297	307243.126184281	4332572.26279038	3331.282997720657	3161.927706891566	3160.337797	3161.8657748053583	1.589909765175893	0	0	
379	40	29239	-121461.1413	818137.3172050766	39.1210343442615	-121.2274043	307444.19629590034	4332570.20607319	3330.625014921743	3160.837169819363	3157.087940950108	3160.2897241164233	3157.9605789165056	0.547445102399673	0	0
380	40	29240	-120801.1413	818137.3172050766	39.12104183809273	-121.2250788	307645.26960417785	4332566.948595085	3329.67564590975	3159.7323232439357	3154.116764886693	3150.5808508712323	3150.604762342607	2.714425840834414	0	0
381	40	29241	-120141.1413	818137.3172050766	39.12105029477135	-121.2227534	307846.3428	4332562.544881772	3328.6899276897757	3158.586140218683	3151.5821289169816	3154.8740147966453	3150.792599721333	37.1086342208726	0	0
382	40	29242	-119481.1413	818137.3172050766	39.1210581964755	-121.220428	308047.4158339674	4332557.15014407	3327.72220788677	3157.42036116117	3149.03814874007	3152.47506709544	3150.892245757099	4.95069840647723	0	0
383	40	29243	-118821.1413	818137.3172050766	39.1210662954862	-121.2181025	308248.4868689076	4332554.11003498	3326.281061629344	3156.240475582318	3146.79141048097	3150.58168814384	3149.2656114220963	6.56959067630408	0	0
384	40	29244	-118161.1413	818137.3172050766	39.12107435353573	-121.2157771	308449.65130943785	4332550.12639675	3324.3478603182774	3155.04139283217	3144.6925180879946	3145.30309684476	3140.3487651522248	6.68829299759607	0	0
385	40	29245	-117501.1413	818137.3172050766	39.1210823260701	-121.2134517	308650.6348617385	4332545.109494255	3322.4541069481261	3154.3630632056374	3146.28502427826	3145.86326565246	3145.35367344343826	7.53567344343826	0	0
386	40	29246	-116841.1413	818137.3172050766	39.12109035676246	-121.2111262	308851.706062323	4332540.393997242	3320.5403716712743	3152.582139914884	3144.0240990048996	3144.2008987347	3142.115984993475	8.320331017537228	0	0
387	40	29247	-116181.1413	818137.3172050766	39.1210982602095	-121.2088008	309052.781176708	4332538.07867062	3318.4032553582416	3151.2367758905986	3142.30014289402	3142.126173129196	3140.966410066849	9.02696140066849	0	0
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395	40	29255	-110901.1413	818137.3172050766	39.12116029477135	-121.1901973	310674.2445445124	4332505.784317542	3301.4682481470884	3140.91024702224	3126.81024702224	3126.81024702224	3126.81024702224	11.9149712400071472	0	0
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401	40	29261	-106941.1413	818137.3172050766	39.12120507661984	-121.1762464	311867.7676285103	4332481.89253458	3289.708692582416	3132.299219202084	3120.829219202084	3120.829219202084	3120.829219202084	11.68671798217303	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtBoth.ft
49	29359	-42261.14133	818137.3170250766	39.12170213043031	-00.9483495	331571.722689491	4323089.46844716	3110.1923553571933	2977.205670197311	2905.118614474713	2905.007011	72.08705572259805	72.19865989897088
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501	29361	-40941.14133	818137.3170250766	39.12170732686272	-00.948699	33193.81816	4323081.450717938	3107.8825967670785	2974.2643674534952	2901.8637453240492	2901.8637453240492	72.628913732021	72.7268913732021
502	29362	-40281.14133	818137.3170250766	39.12171055674855	-00.9481371	33212.74864158494	4323077.455008037	3108.848108732332	2972.8710243	2909.6771844616	2909.6771844616	73.1375240574399	73.19728206
503	29363	-39621.14133	818137.3170250766	39.12171327562865	-00.9390476	33235.9201333433	4323073.459420752	3105.6743388070785	2971.368175975544	2907.396212577362	2907.396212577362	73.9719634	74.0751101337494
504	29364	-38961.14133	818137.3170250766	39.12171594963525	-00.9367221	33257.619761268495	4323069.464102581	3104.6847818126856	2969.938831030577	2905.013036551747	2904.878738645335	73.8986454861057	75.06024450522226
505	29365	-38301.14133	818137.3170250766	39.12171857872843	-00.9343966	33278.022869611	4323065.468905205	3103.214256827147	2968.32631828422	2903.7046823078026	2903.7046823078026	74.1884952	75.02091327
506	29366	-37641.14133	818137.3170250766	39.12172116287614	-00.9320712	33299.0741835501	4323061.48377765	3101.94835634549	2967.1231532154725	2902.760050756505	2902.5927803860545	74.61532383	74.61532383
507	29367	-36981.14133	818137.3170250766	39.12172370153275	-00.9297457	33320.04251699435	4323057.479020225	3101.3148035697746	2965.739174599463	2901.842528123252	2901.842528123252	74.8986457621096	74.97587621096
508	29368	-36321.14133	818137.3170250766	39.12172619649106	-00.9274022	33341.179072289	4323053.484332925	3101.207507155203	2964.37396554545	2901.044895	2900.7919728258	75.6547587320716	75.73657587320716
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512	29372	-33681.14133	818137.3170250766	39.1217357	-00.9181183	33415.37794271077	4323037.507284504	3099.1306597851863	2959.13183801935	2899.7061312004263	2898.68122964646209	79.65017037976716	79.65017037976716
513	29373	-33021.14133	818137.3170250766	39.121737992956	-00.9159128	33436.428001033	4323033.513447531	3097.924554217056	2957.64889469714	2899.0532664281468	2899.0548	80.73544182999416	80.73544182999416
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515	29375	-31701.14133	818137.3170250766	39.1217423918526	-00.9114119	33478.52763267834	4323025.5239676	3094.01046533126	2955.380216208103	2892.17920641891	2892.275896573477	82.610155662129	82.610155662129
516	29376	-31041.14133	818137.3170250766	39.12174453418754	-00.9088164	33499.5772	4323021.5296785	3094.00007630185	2954.175574075127	2892.7619302352515	2892.925158253076	83.22477342595364	83.22477342595364
517	29377	-30381.14133	818137.3170250766	39.12174662427273	-00.9064809	33519.62681877053	4323017.5379902	3092.5887588036626	2952.897432011185	2892.61765240275	2892.547168807015	84.0528675779095	84.0528675779095
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519	29379	-29061.14133	818137.3170250766	39.121750669196	-00.901814	33559.7246096677	4323009.5396139	3089.8247901388736	2950.6706510370796	2887.62123801636	2887.62123801636	85.049402334453	85.049402334453
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521	29381	-27741.14133	818137.3170250766	39.1217546544288	-00.8972197	33599.4421656858	4323001.6256858	3085.25496458245	2948.132135959585	2883.514956086985	2883.514956086985	85.2922772115629	85.2922772115629
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526	29386	-24441.14133	818137.3170250766	39.12176341771156	-00.8855616	33700.641119585	4322981.607	3081.67202139369	2943.812988139347	2882.246822	2882.246822	85.9127129921113	85.9127129921113
527	29387	-23781.14133	818137.3170250766	39.12176504685854	-00.8832362	33721.6765544298	4322977.618	3080.47581828454	2942.8576239887	2882.1321187324	2882.1321187324	86.024231115629	86.024231115629
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529	29389	-22461.14133	818137.3170250766	39.12176802176297	-00.8785852	33763.2077013859	4322969.63175136	3078.054301008973	2939.8210738129177	2881.005307700216	2881.005307700216	86.25177312207146	86.25177312207146
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534	29394	-19161.14133	818137.3170250766	39.1217751340771	-00.8669578	33869.4421656858	4322949.62613621	3084.44281316238	2934.54752395987	2880.5740628516	2880.5740628516	86.8162772115629	86.8162772115629
535	29395	-18501.14133	818137.3170250766	39.12177650485471	-00.8646233	33889.48487159151	4322945.92083087	3083.31281856807	2933.615238185087	2881.3152933765624	2881.3152933765624	86.92823102405656	86.92823102405656
536	29396	-17841.14133	818137.3170250766	39.121778104452	-00.8623068	33910.510349771	4322941.70211028	3082.0484741365365	2932.5604504989815	2881.3152933765624	2881.3152933765624	87.03917312207146	87.03917312207146
537	29397	-17181.14133	818137.3170250766	39.1217789338813	-00.8599814	33921.5813695624	4322937.7125171	3080.7642105155	2931.56930154273	2881.3152933765624	2881.3152933765624	87.15047312207146	87.15047312207146
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539	29399	-15861.14133	818137.3170250766	39.12178142123205	-00.8553304	33963.6133344933	4322929.73344383	3080.006708	2929.518005	2883.794348989384	2883.794348989384	87.3637547650381	87.3637547650381
540	29400	-15201.14133	818137.3170250766	39.12178229115028	-00.8530349	33984.719592405	4322925.744657073	3080.64678431169	2928.501395189532	2883.30525667247	2883.30525667247	87.4641319085264	87.4641319085264
541	29401	-14541.14133	818137.3170250766	39.12178361189775	-00.8507419	34005.825658279	4322921.7681628	3080.22864582903	2927.48761284397	2883.1703341284397	2883.1703341284397	87.5647587320716	87.5647587320716
542	29402	-13881.14133	818137.3170250766	39.12178472378758	-00.848354	34026.816104778758	4322917.76910473	3080.92964258169	2926.470051183705	2882.905248665905	2882.905248665905	87.665171363714074	87.665171363714074
543	29403	-13221.14133	818137.3170250766	39.121785200587716	-00.8460285	34047.855415732	4322913.77367478	3080.1715682451	2925.466271075487	2882.629338208173	2882.629338208173	87.76613325461246	87.76613325461246
544	29404	-12561.14133	818137.3170250766	39.12178608	-00.843703	34068.1061957042	4322909.78773478	3080.02475181915	2924.45704181915	2882.238017020067	2882.238017020067	87.86731271150827	87.86731271150827
545	29405	-11901.14133	818										

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfKtH.f	SurfKtH.f
625	40	29485	40898.8586730335	818137.3170250766	39.12170797127502	-100.6553292	356903.05883864115	4313587.277723025	2926.236611312645	180.6111214	2779.938539863207	2777.326329192363	60.2758431092832	33.28479530194363
626	40	29486	41558.8586730335	818137.3170250766	39.12170517	-100.6530138	357104.0919916526	4313583.30034754	2914.590350214777	288.63805446719	2778.08667869234	2775.87417603917	30.7513829748529	32.95963283740296
627	40	29487	42178.8586730335	818137.3170250766	39.1216978705	-100.6506498	357305.1248410075	4313579.329	2914.261584240649	287.040771874337	2778.387113661235	2774.586413661235	32.3036641360394	32.3036641360394
628	40	29488	42859.8586730335	818137.3170250766	39.1216994188372	-100.6483268	357506.1576343015	4313575.35204134	2910.5019999762	2805.33903775489	2774.458200625413	2773.3043873670013	30.8080314903715	32.0354540872296
629	40	29489	43538.8586730335	818137.3170250766	39.12169647825645	-100.6460373	357707.19028946076	4313571.380032363	2913.838845744675	2803.612166515699	2772.954671157676	2771.975071139124	30.6674953802297	31.63706940131194
630	40	29490	44198.8586730335	818137.3170250766	39.12163042703116	-100.6437119	357908.222096413	4313567.400030369	2913.6274914521664	2801.899528313997	2771.59262	2770.42373775766	30.3060666	30.97515303812653
631	40	29491	44858.8586730335	818137.3170250766	39.1216042238085	-100.6413864	358109.2582555693	4313563.421993292	2912.17720552579	2800.200481604355	2769.494266436838	2768.5295893716176	30.7105404263969	30.7709223270697
632	40	29492	45518.8586730335	818137.3170250766	39.12168739	-100.6390609	358310.2875	4313559.48337445	2912.487172635915	2788.5144216593853	2768.436318540404	2768.463171884491	30.0417011884491	30.0417011884491
633	40	29493	46178.8586730335	818137.3170250766	39.1216666557717	-100.6367354	358511.3198311025	4313559.6844625	2911.783448112624	2786.940838815242	2767.90808517289159	2767.90808517289159	29.2063221789042	32.3036641360394
634	40	29494	46838.8586730335	818137.3170250766	39.12158110134124	-100.63441	358711.3515978857	4313551.117205145	2911.108952691226	2785.17583351227	2767.1870049103077	2767.50280531409377	27.98823402919532	27.67302307797575
635	40	29495	47498.8586730335	818137.3170250766	39.12167789	-100.6320845	358913.384276272	4313547.53386173	2910.212011300264	2793.521302	2767.091484776043	2767.423171713919	26.97584285869035	26.97584285869035
636	40	29496	48158.8586730335	818137.3170250766	39.12167465315862	-100.629759	359114.41512052336	4313543.56557909	2910.36377228815	2791.876037225986	2767.46144823336	2767.65550052036578	24.41589392620555	24.41589392620555
637	40	29497	48818.8586730335	818137.3170250766	39.121673136191916	-100.6274338	359315.466467808	4313539.592762893	2908.0044532376027	2790.2397601101734	2767.8995580476838	2767.81211648256	22.34020236079354	22.34020236079354
638	40	29498	49478.8586730335	818137.3170250766	39.12166791308296	-100.6251081	359516.480976034	4313535.620114959	2908.90052943691	2788.6172032321856	2766.8450079842327	2767.4574080011607	21.7772224761956	21.1553232102491
639	40	29499	50138.8586730335	818137.3170250766	39.12166490150775	-100.6227628	359717.50598019704	4313531.847633996	2908.506399196848	2786.994437628163	2766.1299881543362	2766.6636375	20.86496973263636	20.3036641360394
640	40	29500	50798.8586730335	818137.3170250766	39.12166116679025	-100.6204571	359918.5405277645	4313527.675329992	2906.831077803473	2785.38593700061	2765.24872289996	2765.701034	20.16304010064375	19.6840257740408
641	40	29501	51458.8586730335	818137.3170250766	39.12165768715587	-100.6181371	360119.57133651074	4313523.703184842	2907.15263490401	2783.7859425653232	2764.500145043924	2764.900737	19.18270150083027	18.885200681563093
642	40	29502	52118.8586730335	818137.3170250766	39.1216541620459	-100.6158062	360320.6215453944	4313519.213129386	2907.474261578527	2782.1948236481274	2763.997635485026	2763.382048032386	19.197819821571	17.81202064500303
643	40	29503	52778.8586730335	818137.3170250766	39.1216508313643	-100.6134807	360521.633156356	4313515.79409673	2906.57438842457	2781.602126023130055	2763.7279892422766	2764.1178981131	18.86486130728847	16.460812501874443
644	40	29504	53438.8586730335	818137.3170250766	39.12164697813565	-100.6115583	360722.6637618665	4313511.78773451	2906.044596345747	2779.039336	2763.792557254612	2764.2784508303628	15.2467782	14.7607949672017
645	40	29505	54098.8586730335	818137.3170250766	39.1216431944945	-100.6088298	360923.6942327323	4313507.81630111	2902.23619146504	2777.45711863431	2764.11558759597	2764.16108500219	13.9593077404398	12.859013411194
646	40	29506	54758.8586730335	818137.3170250766	39.1216395123063	-100.606943	361124.724669072	4313503.840313995	2900.262176917426	2775.9200691187033	2764.798137	2765.08737052059	11.16193226017738	10.83263251387138
647	40	29507	55418.8586730335	818137.3170250766	39.121635096907	-100.6047788	361329.152249696	4313498.3388198	2898.054134340365	2774.574232587285	2764.9543132712306	2764.9543132712306	9.8418299	9.8418299
648	40	29508	56078.8586730335	818137.3170250766	39.12163207	-100.6018534	361526.7845391054	4313485.9022758	2895.92510040275	2772.83820423517	2764.1567601572774	2764.6171978	8.6514408	8.2202252
649	40	29509	56738.8586730335	818137.3170250766	39.12162823307402	-100.5995279	361729.87147684574	4313491.932137836	2893.75942808057	2771.3182878621	2761.1541718248545	2761.56115588370	7.15075705376545	9.75041029
650	40	29510	57398.8586730335	818137.3170250766	39.1216234918679	-100.5972024	361928.844666994	4313487.96115975	2891.593605708425	2769.7276693344	2765.84485942642	2765.279897688334	13.91278103710922	13.5173682455524
651	40	29511	58088.8586730335	818137.3170250766	39.12162042038371	-100.594877	362129.8743217436	4313481.99106481	2888.93417939405	2768.2957144401194	2764.68815811356	2765.05638593772	18.39239826324726	18.39239826324726
652	40	29512	58718.8586730335	818137.3170250766	39.1216164666381	-100.592515	362330.3076279757	4313480.20781844	2885.78186957693	2766.807367426145	2764.152635387967	2764.3206958283717	22.654711588449522	22.654711588449522
653	40	29513	59378.8586730335	818137.3170250766	39.12161242892077	-100.590226	362531.316998118	4313476.259676554	2882.744105765032	2766.9592592687	2764.7841848106584	2764.7841848106584	20.8756787828027	20.8756787828027
654	40	29514	60038.8586730335	818137.3170250766	39.12160844747354	-100.5879006	362732.76219624	4313472.0007198	2880.054134340365	2775.150199459	2763.741552380132	2763.741552380132	17.32100738635924	17.32100738635924
655	40	29515	60698.8586730335	818137.3170250766	39.12160426	-100.5855751	362933.9955157918	4313468.111	2876.64815040771	2762.42280865949	2762.4050926351474	2762.788187906193	15.01718823006136	15.01718823006136
656	40	29516	61358.8586730335	818137.3170250766	39.1216001026167	-100.5832496	363135.020561473	4313463.141337995	2874.143457070271	2760.989654026907	2762.33527745498	2762.33527745498	35.654177519288	37.992717049208
657	40	29517	62018.8586730335	818137.3170250766	39.12159590431216	-100.5809242	363336.0494225513	4313460.17189871	2871.63876981307	2759.5728603161197	2761.742433800613	2761.868273006967	41.8304265150569	40.88587309152925
658	40	29518	62678.8586730335	818137.3170250766	39.12159166	-100.5789987	363537.0871566704	4313456.20263325	2869.1340820183714	2758.17163402863	2761.378956734523	2761.36965734523	41.3926733034016	41.3926733034016
659	40	29519	63338.8586730335	818137.3170250766	39.12158737	-100.5767232	363738.1067585206	4313452.23933751	2867.835968001073	2756.78710191287	2761.2316805024645	2761.2316805024645	43.5689118448373	39.97745102150554
660	40	29520	63998.8586730335	818137.3170250766	39.121583096907	-100.574478	363939.132249696	4313448.26459457	2865.744105765032	2755.41453451528	2761.155889578117	2761.155889578117	38.401371921622	38.401371921622
661	40	29521	64658.8586730335	818137.3170250766	39.12157865129816	-100.5726323	364140.1636	4313434.29530788	2863.5250981070323	2754.058992032335	2760.802716885738	2761.09264882113	35.2771733445971	36.965343949818134
662	40	29522	65318.8586730335	818137.3170250766	39.12157423904084	-100.5692968	364341.19177453384	4313440.327235689	2860.5650959571	2752.71756242162	2760.69784172763	2761.70379323149	45.0197526943931	36.0105281
663	40	29523	65978.8586730335	818137.3170250766	39.12156971236324	-100.5669714	364542.2196848423	4313436.35809401	2867.1120118880835	2751.39014205585	2760.691257848298	2761.423477874198	45.817824075537	34.966563381387185
664	40	29524	66638.8586730335	818137.3170250766	39.12156528515055	-100.5646459	364743.2477931108	4313428.39051633	2865.076731429315	2750.076331429315	2760.7385697194995	2761.1521425097995	46.7373717098157	33.9241883851304
665	40	29525	67298.8586730335	818137.3170250766	39.1215607807709	-100.5623204	364944.276966463	4313428.4264903715	2863.501185420016	2748.7741425822664	2761.1734145822664	2761.1734145822664	47.2424917284955	36.96037875211402
666	40	29526	67958.8586730335	818137.3170250766	39.1215560932237	-100.559995	365145.30291307	4313424.4545309	2864.695771289753	2747.963476463994	2760.195796	2760.965094182588	48.2637791794448	38.523228140651
667	40	29527	68618.8586730335	818137.3170250766	39.1215516929867	-100.5576732	365346.329812396	4313420.48162986	2862.744105765032	2746.9327221067705	2760.8372221067705	2760.8372221067705	49.1216077885213	49.1216077885213
668	40	29528	69278.8586730335	818137.3170250766	39.1215475842626	-100.55534	365547.3583	4313415.51903095	2860.616249551166	2744.933654740334	2760.554382892323	2760.554382892323	50.737118	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatThLog.f	SatThLog.f
11	x1	29611	-363431.1413	818797.3170250766	39.116762988105954	-102.0831356	233438.72544821096	4324.621.255409179	3349.334008	3858.482208309823	3844.051293414172	3843.8303756888345	381.693311895695075	21.657328241247855
12	x1	29612	-363681.1413	818797.3170250766	39.1167759621054	-102.0808105	233639.88211449634	4324.621.175156696	3992.932498527863	3864.214479631734	3841.300444529283	3841.22898666179	22.91044514805059	22.98548742
13	x1	29613	-363921.1413	818797.3170250766	39.11681248622072	-102.0768454	233841.0386117469	4324.621.915801158	3991.53096286913	3862.941411009208	3839.76373249444	3839.93696218913	23.123753159429676	22.9887157329626
14	x1	29614	-363621.1413	818797.3170250766	39.116837167934854	-102.0761063	234042.19465532304	4324.621.51	3900.1294720270765	3861.66911123126166	3837.9002135528323	3838.2330666457033	23.759897673343043	20.655405189223376
15	x1	29615	-361701.1413	818797.3170250766	39.116861840743342	-102.0738352	234243.20532955017	4324.621.435422669	3988.99782804907	3860.76899163877	3835.9140982513068	3836.082478165017	24.483591665080894	24.31521090898917
16	x1	29616	-361041.1413	818797.3170250766	39.1168864	-102.0715101	234444.50614003744	4324.621.85886108	3859.12727559044	3859.12727559044	3833.61490325474	3833.7294025500741	25.397371325252636	25.1937241766502
17	x1	29617	-360921.1413	818797.3170250766	39.11691094361733	-102.069185	234645.661486993	4324.621.7603524	3827.270527	3857.857925452856	3831.5936418107926	3831.6657474156986	26.264283583032947	26.192718037596022
18	x1	29618	-363781.1413	818797.3170250766	39.116935454963376	-102.066859	234846.81676029595	4324.621.97423265	3986.4072152106915	3858.4072152106915	3831.5936418107926	3831.6657474156986	26.264283583032947	26.192718037596022
19	x1	29619	-359691.1413	818797.3170250766	39.1169692897125	-102.064834	235047.8713911469	4324.621.815697158	3985.323059432071	3856.323059432071	3833.170403678454	3833.762781816332	27.152659564274676	27.05928618338987
20	x1	29620	-358401.1413	818797.3170250766	39.1169843154134	-102.062209	235249.1239457479	4324.621.5398142	3982.4053205077	3854.05765009772	3829.56569092065	3831.98024823235	28.491961177077	28.1655403764699
21	x1	29621	-357147.1413	818797.3170250766	39.11700862505634	-102.0598485	235450.28024361476	4324.621.460710888	3980.196964278087	3852.7938366243408	3829.1801745274665	3831.7715458368	29.3631065674232	29.1056486598468
22	x1	29622	-357081.1413	818797.3170250766	39.1170330496402	-102.0575594	235651.4324763017	4324.621.382197512	3977.847486960834	3851.3316902782934	3828.292477172817	3832.51826684947	29.229175071011623	29.10343588369205
23	x1	29623	-356421.1413	818797.3170250766	39.11705728251646	-102.0552343	235852.58804612083	4324.621.304	3975.79513384179	3850.271338610234	3827.550294032353	3832.51840450413	29.23719197767703	29.17566198198628
24	x1	29624	-356761.1413	818797.3170250766	39.11708151516297	-102.0529092	236053.74155411683	4324.621.225692378	3974.013212069087	3849.012821697154	3826.585417184005	3832.51840450413	29.242740513089196	29.163420886573285
25	x1	29625	-355101.1413	818797.3170250766	39.11710570293435	-102.050594	236254.894002254	4324.621.1470068	3972.231201762548	3847.75481920895	3825.239618	3832.51840450413	29.251500006694843	29.1482643394387285
26	x1	29626	-354441.1413	818797.3170250766	39.11712984573784	-102.048259	236456.0477846476	4324.621.07	3970.440362955226	3846.4948748611273	3824.3710713836	3832.51840450413	29.2615563026352	29.1284231929465127
27	x1	29627	-353781.1413	818797.3170250766	39.11715396461646	-102.0459338	236657.20050759194	4324.621.95228862	3967.84979254379	3845.240104862126	3823.324047197302	3834.28017615127	29.19160612889104	29.10953087108573
28	x1	29628	-353121.1413	818797.3170250766	39.1171779966829	-102.0436087	236858.3526926325	4324.621.91673835	3964.93194030426	3843.993194030426	3821.993027666643	3835.06282666643	29.19960363	29.10953087108573
29	x1	29629	-352461.1413	818797.3170250766	39.11720204804255	-102.0412835	237059.5051696837	4324.621.873742004	3963.51532825271	3842.75513934425	3820.671233077993	3836.09713895477	29.2083062564872	29.10953087108573
30	x1	29630	-351801.1413	818797.3170250766	39.117225968013955	-102.038954	237260.6571906026	4324.621.813	3957.5981031317173	3841.5262949057437	3819.307157893818	3836.36710250346	29.2150171925795	29.10953087108573
31	x1	29631	-351141.1413	818797.3170250766	39.11725886832925	-102.0366333	237461.808886728	4324.621.793839673	3947.013212069087	3840.3067433995881	3817.78217522041016	3838.00860493812	29.22456851758677	29.10953087108573
32	x1	29632	-350481.1413	818797.3170250766	39.11727375997236	-102.0343081	237627.96307297076	4324.621.706623751	3952.2044416814356	3839.06633107211	3816.61759088733	3840.00860493812	29.23490341677728	0
33	x1	29633	-349821.1413	818797.3170250766	39.117298612486	-102.031761	237821.07406553	4324.621.61902354	3948.05109258435	3837.961187135386	3814.54211045806	3839.06633107211	29.245681691012	0
34	x1	29634	-349161.1413	818797.3170250766	39.1173217380126	-102.0296579	238065.2623400152	4324.621.45395318	3947.375046440696	3836.705290346053	3813.5281185525126	3843.8303756888345	29.2571722029627	0
35	x1	29635	-348501.1413	818797.3170250766	39.11734511047006	-102.0273327	238266.41300249586	4324.621.367	3945.95154559687	3835.52427553914	3811.8820731192366	3847.04209185525	29.2637174437738	0
36	x1	29636	-347841.1413	818797.3170250766	39.11736884253034	-102.0250076	238467.56381357	4324.621.262071	3945.5489115133796	3834.3531578162915	3810.18840589834	3838.02493578583	29.264751917907324	0
37	x1	29637	-347181.1413	818797.3170250766	39.1173920431505	-102.0226824	238668.71350078195	4324.621.25625123	3945.142387430792	3833.1922539147663	3808.156689324826	3837.9136871011	29.265555899236	0
38	x1	29638	-346521.1413	818797.3170250766	39.11741605707318	-102.0203573	238869.863060872	4324.621.14596393	3944.7358633482045	3832.016724272557	3806.3133534385424	3838.498608104237	29.27283188888004	0
39	x1	29639	-345861.1413	818797.3170250766	39.11743921612486	-102.0182322	239071.0126621723	4324.621.07406553	3943.05109258435	3837.961187135386	3814.54211045806	3839.06633107211	29.283592656102	0
40	x1	29640	-345201.1413	818797.3170250766	39.1174623029435	-102.0157077	239272.1620445472	4324.621.99889012	3942.375046440696	3836.705290346053	3812.727130499735	3843.8303756888345	29.2943161546813	0
41	x1	29641	-344541.1413	818797.3170250766	39.1174865959017	-102.0133819	239473.311388303	4324.621.384301	3942.573673705566	3828.635400441205	3799.370315920185	3833.927532892166	29.298230411960713	0
42	x1	29642	-343881.1413	818797.3170250766	39.11751002383678	-102.0110667	239674.4602136198	4324.621.84243298	3941.790513790136	3827.546292526486	3797.483419743362	3835.4811791343255	29.306287977926054	0
43	x1	29643	-343221.1413	818797.3170250766	39.11753340326321	-102.0087316	239875.60878081946	4324.621.735695057	3942.35114250879	3826.50416645138	3795.467740458064	3838.524777905713	29.308262599331484	0
44	x1	29644	-342561.1413	818797.3170250766	39.11755673778078	-102.0064064	240076.757098943	4324.621.6879953	3941.790513790136	3825.668399092	3794.1938731334762	3839.9511379701876	29.3119256156708	0
45	x1	29645	-341901.1413	818797.3170250766	39.11758002739144	-102.0040813	240277.90514135853	4324.621.623496397	3940.16059450815	3792.47020222405	3795.3755763692016	3835.7355763692016	29.31655395923895	0
46	x1	29646	-341241.1413	818797.3170250766	39.11760327622778	-102.0017617	240478.0520351425	4324.621.550021729	3940.05109258435	3837.961187135386	3814.54211045806	3839.06633107211	29.3214559293052	0
47	x1	29647	-340581.1413	818797.3170250766	39.11762647819186	-101.9994309	240680.2260370146	4324.621.14476	3940.05109258435	3837.961187135386	3814.54211045806	3839.06633107211	29.3264781784032	0
48	x1	29648	-339921.1413	818797.3170250766	39.1176496276155	-101.9971058	240881.34775074923	4324.621.01584646	3950.85191450328	3821.137248381437	3786.3223540325338	3823.154386702694	29.33418490539097	0
49	x1	29649	-339261.1413	818797.3170250766	39.11767273676413	-101.9947806	241082.94774730607	4324.621.39337	3952.074770166225	3820.10362	3784.573894886623	3826.5111839599387	29.33527517129365	0
50	x1	29650	-338601.1413	818797.3170250766	39.11769580183616	-101.9924555	241283.64133856292	4324.621.25430021	3952.074770166225	3819.080504323453	3783.001456784863	3817.706850875566	29.3379138358941	7.31016354896621
51	x1	29651	-337941.1413	818797.3170250766	39.11771782200787	-101.9901303	241484.78804574034	4324.621.18916332	3952.074770166225	3818.069964127625	3782.045802944956	3801.5054418276883	29.34289118276883	16.56427391692133
52	x1	29652	-337281.1413	818797.3170250766	39.11774179726986	-101.9878051	241685.9340005022	4324.621.10761331	3950.9511985375	3817.069517865023	3778.082327399285	3794.8849412595454	29.34910526868772	24.591626868772
53	x1	29653	-336621.1413	818797.3170250766	39.11776547222778	-101.985481	241890.1676116553	4324.621.6703949634	3949.6703949634	3816.03932628547	3777.03932628547	3801.5054418276883	29.35691300129914	0
54	x1	29654	-335961.1413	818797.3170250766	39.11778917306928	-101.9831158	242088.2260370146	4324.621.15763349	3947.02089571865	3815.099595542674	3777.03932628547	3801.5054418276883	29.3631065674232	39.1802508676986
55	x1	29655	-335301.1413	818797.3170250766	39.11781043608435	-101.9808296	242289.3751277453	4324.621.86875834	3945.938178776346	3814.12855776665	3764.248746653418	3771.205513788571	29.3689111254748	42.92324037181386
56	x1	29656	-334641.1413	818797.3170250766	39.1178332492402	-101.9785045								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	Surf.Elev	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThkLog.s	SatThkBoth.ft
127	29737	-28181.1413		818797.3170250766	39.1195305421249	-101.7901611	2587248.9507153073	4337348.51121319	3716.1621362894794	3627.3756024970567	3606.457390911213	3589.466037202566	29.018211585843437	37.909565294490676
138	29738	-280521.1413		818797.3170250766	39.11954965730023	-101.7878359	258983.5756880116	4337344.52522214	3710.718905303136	3624.701105533686	3606.5694298484773	3598.158430414131	13.1220807520836	32.51628013955451
139	29739	-279861.1413		818797.3170250766	39.119568725477316	-101.7855106	25914.04329219855	4337340.394047401	3704.8598092986984	3620.322251233802	3606.6187654144483	3593.187654217398	15.407741703643298	28.834298911005367
140	29740	-279201.1413		818797.3170250766	39.11956776	-101.7831853	259385.8249180395	4337345.16356971	3698.584111536991	3619.33815960911936	3608.8241063455667	3594.421532274534	18.125108156362686	29.61626381740116
141	29741	-278541.1413		818797.3170250766	39.1196073709936	-101.78086	259586.9849175736	4337332.278996631	3692.3066139999367	3616.650413222699	3607.042571311372	3595.484154215433	9.607841911327341	20.79557170555853
142	29742	-277881.1413		818797.3170250766	39.11962567054423	-101.7785347	259788.07319559396	4337326.220666441	3686.0345163460624	3613.9588193529548	3607.531122265053	3597.4172082846185	6.24779132494813	16.54160530792033
143	29743	-277221.1413		818797.3170250766	39.11964455907834	-101.7762095	259989.197	4337324.163476257	3681.6274303416247	3611.2628511606813	3608.0409993938984	3598.883755323619	0.212708912918918	12.379095737272134
144	29744	-276561.1413		818797.3170250766	39.11966340270157	-101.7738842	260190.32025231568	4337320.106126463	3670.583597162657	3608.562063778932	3606.4408547807857	3601.1971502331294	3.12102089914635777	73.6491435800443
145	29745	-275901.1413		818797.3170250766	39.11968220141395	-101.7715589	260391.4436296825	4337316.048894853	3675.5492816136657	3605.27628729886	3606.37874444483	3602.180500841823	28.834298911005367	38.75528897066543
146	29746	-275241.1413		818797.3170250766	39.11970096	-101.7692338	260592.5666894354	4337311.991454584	3674.010207246596	3603.144421048567	3608.108554763413	3602.029008397524	1.115420289145556	
147	29747	-274581.1413		818797.3170250766	39.11971966410592	-101.7669083	260793.6897317096	4337307.935	3670.25749683821	3604.462981058923	3606.9830369812677	3601.00542539193	0	
148	29748	-273921.1413		818797.3170250766	39.11973823086547	-101.764583	260994.8123	4337303.874856646	3665.291114741325	3597.703260260731	3604.87806654492	3599.5900712628783	0	
149	29749	-273261.1413		818797.3170250766	39.119756947153995	-101.7622577	261195.33648997994	4333699.821971763	3660.324445238244	3594.937147452199	3602.186176974967	3597.96738573047	0	
150	29750	-272601.1413		818797.3170250766	39.11977552131147	-101.7599324	261397.0568136977	4333696.765659894	3655.3583740306324	3592.2363414734773	3599.04099937349	3594.980583017664	0	
151	29751	-271941.1413		818797.3170250766	39.1197940055785	-101.7576071	261598.17870169104	4333691.709521033	3648.811076515329	3589.492618937476	3595.284262819252	3592.583815	0	
152	29752	-271281.1413		818797.3170250766	39.11981253499312	-101.7552818	261799.2003536476	4333687.6535851725	3634.6628485408396	3586.741771931283	3592.217144738385	3589.811185852467	0	
153	29753	-270621.1413		818797.3170250766	39.11983097431722	-101.7529565	262000.42176994376	4333683.597762303	3622.554621286349	3583.9836284182147	3588.16192	3587.3715509400945	0	
154	29754	-269961.1413		818797.3170250766	39.11984936883017	-101.7506312	262201.54295078485	4333679.542142425	3610.4263941218596	3581.21803256472	3586.010933	3585.555477002104	0	
155	29755	-269301.1413		818797.3170250766	39.11986771841386	-101.7483059	262402.66396367303	4333675.486695524	3605.285773430988	3578.444853092994	3583.626529612701	3583.6403647048487	0	
156	29756	-268641.1413		818797.3170250766	39.11988623122305	-101.7459806	262603.78466092137	4333671.43121596	3607.1315709437345	3575.6640076569447	3580.924762001258	3583.645405606048	0	
157	29757	-267981.1413		818797.3170250766	39.11990248290145	-101.7436553	262804.90508262714	4333667.376302631	3608.977165464806	3572.875642824545	3579.3538248224545	3582.7369530847984	0	
158	29758	-267321.1413		818797.3170250766	39.11992487776929	-101.74133	263006.0252369773	4333663.32136928	3610.823958149227	3570.079752152054	3579.6762883407893	3579.674684017994	0	
159	29759	-266661.1413		818797.3170250766	39.11994367275706	-101.7390235	263208.3366827157	4333659.370553441	3612.276827385745	3571.043545892112	3578.61076036363	3577.1912932573	0	
160	29760	-266001.1413		818797.3170250766	39.11995872777982	-101.7365794	263408.2650272344	4333655.21053451	3623.4501711543596	3564.45505512861	3575.8910825454127	3580.6514407759178	0	
161	29761	-265341.1413		818797.3170250766	39.1199787291342	-101.7343541	263609.3847411149	4333651.157442271	3631.5814785916756	3561.6475898077234	3574.587179231592	3579.9001136181817	0	
162	29762	-264681.1413		818797.3170250766	39.11999480813557	-101.7320288	263810.504	4333647.103408037	3639.055865579917	3558.8223646731763	3574.2845046060207	3577.748017715217	0	
163	29763	-264021.1413		818797.3170250766	39.1200128884621	-101.7297035	264011.6231166547	4333643.049347175	3644.218022709253	3555.9852646000044	3572.9789780124698	3576.98517750614	0	
164	29764	-263361.1413		818797.3170250766	39.12003043435362	-101.7273782	264212.7419542114	4333638.995455319	3646.740457405551	3553.148117825608	3571.4183617945764	3574.4892007252326	0	
165	29765	-262701.1413		818797.3170250766	39.12004874433292	-101.7256386	264413.8695585692	4333634.28682201847	3648.2628921018477	3550.4762852657365	3569.4725288265796	3573.19610747284	0	
166	29766	-262041.1413		818797.3170250766	39.12006599590874	-101.7237272	264614.178929592804	4333630.518220769	3651.78767981454	3547.4110246999735	3571.01219232573	3571.01219232573	0	
167	29767	-261381.1413		818797.3170250766	39.12008441	-101.7204023	264816.0197864944	4333626.834820541	3653.109483572859	3544.577036661624	3564.735071180666	3569.5180178434866	0	
168	29768	-260721.1413		818797.3170250766	39.120102176325844	-101.7180769	265017.214974475	4333622.781621731	3653.2323624258985	3541.7043946124236	3562.120813815454	3567.18748627046	0	
169	29769	-260061.1413		818797.3170250766	39.12011989716683	-101.7157516	265218.3326804704	4333618.728598507	3653.361241279119	3538.8240980987357	3559.553132662523	3565.357543916094	0	
170	29770	-259401.1413		818797.3170250766	39.12013757309605	-101.7134263	265419.4508094917	4333614.675724756	3653.4871201322494	3535.9362261348183	3557.1069280257443	3563.168259326825	0	
171	29771	-258741.1413		818797.3170250766	39.120155420113516	-101.7111011	265620.567298356	4333610.823	3651.47594867259	3533.0406151411958	3554.8833147026847	3561.051731788925	0	
172	29772	-258081.1413		818797.3170250766	39.12017270219177	-101.708757	265821.6842781556	4333606.570553441	3654.332598227045	3531.10362116897	3552.9362153454	3559.76227	0	
173	29773	-257421.1413		818797.3170250766	39.12019033	-101.7064504	266022.8010227309	4333602.518220769	3651.87509108684	3527.2250745378783	3551.9608866056352	3557.61380903983	0	
174	29774	-256761.1413		818797.3170250766	39.120207767497	-101.704125	266223.91573748816	4333598.46905143	3639.04248991764	3534.20420805194	3550.781735796506	3554.77155505344	0	
175	29775	-256101.1413		818797.3170250766	39.12022527906503	-101.7017997	266425.038210914	4333594.14070533	3633.774364861948	3521.376434861948	3550.112894642997	3552.448413147084	0	
176	29776	-255441.1413		818797.3170250766	39.12024265523166	-101.6997474	266626.1499	4333590.362254395	3627.28332594288	3518.430478167246	3549.784825751351	3550.364244641193	0	
177	29777	-254781.1413		818797.3170250766	39.1202604706934	-101.6971491	266822.2669565805	4333587.10611261	3620.9050729397506	3515.504176	3546.400436511877	3548.706836734905	0	
178	29778	-254121.1413		818797.3170250766	39.12027736370336	-101.6948237	267028.3812870338	4333582.29140047	3614.5398810585213	3512.559429140446	3544.0715123490053	3546.35309896723	0	
179	29779	-253461.1413		818797.3170250766	39.12029487345167	-101.6925846	267246.1639434367	4333578.707843431	3614.11113	3510.800714877834	3544.417131363942	3544.417131363942	0	
180	29780	-252801.1413		818797.3170250766	39.1203118622357	-101.6901731	267430.6117787767	4333574.156717839	3612.57905108684	3507.910258788393	3539.01082589868	3542.38537032083	0	
181	29781	-252141.1413		818797.3170250766	39.120329044133754	-101.6878478	267631.7267960044	4333570.105766831	3624.944589602213	3503.678041966145	3537.5311541129713	3541.6202488035588	0	
182	29782	-251481.1413		818797.3170250766	39.12034611119615	-101.6855224	267832.8413512245	4333566.054987712	3630.361241279119	3500.699037819329	3536.5015058343097	3540.724845987414	0	
183	29783	-250821.1413		818797.3170250766	39.12036327319333	-101.6831971	268033.9557929733	4333562.004381375	3632.374630204577	3497.710696291335	3535.81424856607	3540.40054833627	0	
184	29784	-250161.1413		818797.3170250766	39.12038032035448	-101.6808718	268235.2050401428	4333557.953674813	3630.9847096769136	3494.7128093419283	3533.278622196166	3539.710674806586	0	
185	29785	-249501.1413		818797.3170250766	39.12039782260411	-101.6786464	268436.1639897461	4333553.903807617	3633.594785333889	3491.76583526268	3533.4698628080404	3538.76227	0	
186	29786	-248841.1413												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKg.ft	BRIElevBothK.ft	SatThcLog.s	SatThcBoth.ft
263	21	29863	-198021.1413	818797.3170250766	39.12518512	-101.4971673	284122.38584060944	4332338.5150465965	3316.3274146448428	3262.93279886678	3277.4257965529664	3273.6689762817195	0	0
264	21	29864	-197361.1413	818797.3170250766	39.125185850999114	-101.4848419	284323.48237173224	4333234.478411627	3314.4210467225043	3260.721400746203	3272.640010533476	3268.231620470465	0	0
265	21	29865	-196701.1413	818797.3170250766	39.1251918627409	-101.4805166	284524.57869113306	4332230.4119488129	3312.514679689573	3258.6126783305073	3268.296783305073	3263.628138161514	0	0
266	21	29866	-196041.1413	818797.3170250766	39.125162354853455	-101.4901191	284723.7607001153	4333160.602770553	3310.608072725055	3256.316205	3264.255024255027	3259.439030761696	0	0
267	21	29867	-195381.1413	818797.3170250766	39.12516368780044	-101.4878657	284826.7706885474	4332222.36939805	3305.92402837506	3254.164438686075	3260.3788041568478	3255.75765889208	0	0
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269	21	29869	-194061.1413	818797.3170250766	39.12516651782842	-101.4832149	285328.961840549	4332314.29781422	3290.981975	3249.962000432729	3252.398611831413	3249.54039327259	0	0.04718611066799931
270	21	29870	-193401.1413	818797.3170250766	39.12517836543045	-101.4808895	285530.507994305	4332212.26217458	3283.51217416388	3247.907257329214	3248.359725456899	3247.0831544063963	0	0.02327429165251342
271	21	29871	-192741.1413	818797.3170250766	39.125189146611785	-101.478564	285731.1521447908	4332262.76876758	3280.2452429101943	3245.8789584049643	3244.98875984964	3244.638589898158	0.079343862700917	15.6254263411485167
272	21	29872	-192081.1413	818797.3170250766	39.1251705668757	-101.476258	285922.246796555	4332002.192	3280.8045503281804	3243.67604224496	3242.4614081757838	3241.91536505602112	0.07673565858042352	17.567535658042352
273	21	29873	-191421.1413	818797.3170250766	39.1251717640748486	-101.4739132	286131.3416033842	4333198.15644388	3281.488781166106	3241.90167382688	3239.2096187636567	3241.3314767113303	0.268545403327459	0.057020971
274	21	29874	-190761.1413	818797.3170250766	39.12517064591814	-101.4751878	286334.3064169312	4333194.121530949	3282.173059249152	3239.95380818973	3236.670264734233	3238.437017370353	0.2865124327400616	15.183512886196695
275	21	29875	-190101.1413	818797.3170250766	39.1251743605720184	-101.4692524	286535.53021935245	4333010.08678917	3282.173059249152	3239.95380818973	3236.670264734233	3238.437017370353	0.2865124327400616	15.183512886196695
276	21	29876	-189441.1413	818797.3170250766	39.125176520833884	-101.466937	286736.62421130016	4333015.02220395	3281.4694716779955	3236.146236410558	3232.00145105215805	3227.1739037607785	0.142113194752892	8.432323649779255
277	21	29877	-188781.1413	818797.3170250766	39.1251769391032736	-101.4646115	286937.1779929418	4333182.017823266	3280.7722055377	3234.284347598276	3228.67988992064	3222.66358992064	0.76058825711998	11.621320742568978
278	21	29878	-188121.1413	818797.3170250766	39.1251762216316774	-101.4622861	287138.8115646007	433317.983398229	3280.07516847713	3232.452674685824	3223.309869025042	3212.954638533648	0.142807760726499	19.498035132176483
279	21	29879	-187461.1413	818797.3170250766	39.12517940668586	-101.4599067	287339.9486236175	4333179.9456452745	3280.994521855458	3232.006304183978	3219.8079101239737	3201.4962564256673	0.0484513715814205	29.1566773711907
280	21	29880	-186801.1413	818797.3170250766	39.125180773214023	-101.4576353	287540.9980784699	4333153.996329255	3283.530779011592	3228.8873884497484	3216.3726518052067	3216.2725355511	0.1542137664	30.830162094233461
281	21	29881	-186141.1413	818797.3170250766	39.125182042627963	-101.4553098	287742.0901121292	4333168.881955582	3286.06623916832	3227.158154	3212.985467374542	3216.681169481015	0.172886654337662	25.29684544778297
282	21	29882	-185481.1413	818797.3170250766	39.12518306303407	-101.4529844	287943.1837545459	4333161.848418827	3286.06209935240	3225.4668719448673	3210.705052	3202.03125568667	0.157618954107216	23.61891854107216
283	21	29883	-184821.1413	818797.3170250766	39.12518456901358	-101.450569	288144.278289221	4333157.81054127	3292.354152521973	3223.8156641526916	3206.605051	3193.973024425505	0.1721561303614956	29.847167172786622
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285	21	29885	-183501.1413	818797.3170250766	39.12518685755431	-101.4460911	288546.4607013864	4333149.748940528	3292.354152521973	3223.8156641526916	3206.605051	3193.973024425505	0.1721561303614956	29.847167172786622
286	21	29886	-182841.1413	818797.3170250766	39.12518830165203	-101.4436827	288747.5525996705	4333145.716	3297.15959001001	3219.125819251774	3199.190555	3202.732210569071	0.195316897714077	16.40264213702657
287	21	29887	-182181.1413	818797.3170250766	39.125189562270149	-101.4413573	288948.64429013693	4333141.683315696	3315.40543700842	3217.656078	3197.371457933192	3193.177860330405	0.208462073715998	24.7087187600924
288	21	29888	-181521.1413	818797.3170250766	39.1251909884199	-101.4390319	289149.7358723508	4333137.65089141	3326.87418429214	3216.235679593475	3195.13118192395	3197.8404789135675	0.211049840108036	18.39520067990770
289	21	29889	-180861.1413	818797.3170250766	39.1251920330061215	-101.4367064	289350.8746749284	4333136.148476596	3338.33126679007	3216.861105177615	3193.6682111950117	3203.90414271377521	0.21049840108036	17.711973819835441
290	21	29890	-180201.1413	818797.3170250766	39.125193261365332	-101.434381	289551.9182136294	4333129.586310562	3348.8179151108005	3213.548666849715	3191.6130895423507	3201.4003001887754	0.2135557307364283	12.148366077
291	21	29891	-179541.1413	818797.3170250766	39.125194465775431	-101.4320568	289753.0087230466	4333125.3222002	3357.295385	3212.942958454344	3189.885115801233	3196.027421819158	0.2162584100519928	16.2584100519928
292	21	29892	-178881.1413	818797.3170250766	39.125195705422187	-101.4297301	289952.12251036	4333121.52251036	3360.62248	3211.073159519764	3187.915820688204	3195.0270068653	0.218505523276231	12.610011512723304
293	21	29893	-178221.1413	818797.3170250766	39.125196920578672	-101.4274407	290155.1901705485	4333114.40696345	3364.106150758871	3209.917603603414	3182.963476303332	3180.9785415450565	0.269413651008208	28.93906205835765
294	21	29894	-177561.1413	818797.3170250766	39.125198112430115	-101.4250793	290356.2840090085	4333113.459539376	3382.81807543912712	3208.61807543912712	3180.650908	3162.244592889035	0.2618999523180542	46.1542122540709
295	21	29895	-176901.1413	818797.3170250766	39.125199337	-101.4227538	290573.3004408846	4333105.429693047	3387.3291874158167	3207.7715247598476	3178.2729449319454	3133.957482316805	0.294859782800222	38.47627444321767
296	21	29896	-176241.1413	818797.3170250766	39.1252003530971196	-101.4204284	290758.74603	4333105.429693047	3363.505525320505	3206.7815431311737	3175.826953362303	3159.349159316346	0.294859782800222	38.47627444321767
297	21	29897	-175581.1413	818797.3170250766	39.125201736288861	-101.418103	290959.54888570896	4333101.368007167	3368.677176491964	3205.846277348255	3173.583039807464	3173.583039807464	0.294859782800222	38.47627444321767
298	21	29898	-174921.1413	818797.3170250766	39.12520299289165	-101.4157175	291160.63090965	4333097.3222002	3369.6271689824	3204.9548545344	3171.451226321477	3158.451226321477	0.294859782800222	38.47627444321767
299	21	29899	-174261.1413	818797.3170250766	39.125204117191817	-101.4135621	291361.72850660922	4333093.340609922	3373.10476710973	3204.13938	3169.341653810024	3173.495277	0.29768017705931	30.6404508681798
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301	21	29901	-172941.1413	818797.3170250766	39.12520648130611	-101.4088012	291763.9063053716	4333105.429693047	3391.0866205861	3202.64794162335	3166.273262849514	3180.938456962683	0.367153131783645	21.70629719306803
302	21	29902	-172281.1413	818797.3170250766	39.125207655	-101.4064758	291964.94969605	4333081.21802796	3349.96247052293	3201.915899171015	3164.790125078895	3171.78357752902	0.37146483811552	30.18012164108386
303	21	29903	-171621.1413	818797.3170250766	39.1252088103247	-101.4041053	292166.083	4333077.93877569	3344.207658688104	3201.341251044773	3163.550573867765	3174.033991914946	0.37906777752141	54.30725912988527
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306	21	29906	-169641.1413	818797.3170250766	39.125212308875262	-101.397174	292769.3472156208	4333065.095133226	3351.108532027197	3199.676525906457	3160.755225906457	3161.3310812819158	0.384814914202487	41.8081325841184
307	21	29907	-168981.1413	818797.3170250766	39.12521364149978	-101.3948486	292970.347847486	4333061.06589529	3360.58690348213	3199.1889321622916	3161.863254851232	3175.73106396457	0.3725677110	

ix	iy	x	Yr	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRLEvLogKrg	BRLEvBothKrg	LatHtLogKrg	SurfBothKrg	
389	ix	29989	-114861.1413	818797.3170250766	39.122926627126574	-101.2041599	30948.8404901905	43327.31255254197	312.3807557467378	314.2697664505645	3137.1377904538807	14.70445750086641	12.1319759989623
390	ix	29990	-114201.1413	818797.3170250766	39.1233442181594	-101.2018344	30960.0118300077	43327.7273055197	330.952363371724	314.7363412630971	3135.4137027676384	15.9357926872168	76.1330796332819
391	ix	29991	-113641.1413	818797.3170250766	39.12384371588264	-101.198609	30961.0629638865	43327.8227274423	338.74238483005	314.652363371724	3131.377904538807	15.251788438711876	12.8368456969871
392	ix	29992	-112881.1413	818797.3170250766	39.12349687643535	-101.1971835	30962.1539400494	43327.9120067081	355.0043311999457	315.278064874642	3125.872271961175	13.20263488036254	15.4200339231346753
393	ix	29993	-112221.1413	818797.3170250766	39.12296573638176	-101.194858	310623.242786639	43327.9154	3303.30877867493	314.8200344637532	3128.5351264834517	15.9357926872168	13.02879146633276
394	ix	29994	-111561.1413	818797.3170250766	39.1229651540291	-101.1925325	310464.295321464	43327.9179271362	3301.31730255353	314.550105919132	3127.132814312728	13.291457906043978	15.147134960603738
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396	ix	29996	-110241.1413	818797.3170250766	39.1229624669396	-101.187815	310866.439504188	43327.911156639	3285.820349526852	313.747274745303	3124.314281364081	13.26812577340255	15.3939139422064
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398	ix	29998	-108921.1413	818797.3170250766	39.12296512611652	-101.1832205	311268.5736303973	43327.9127269121	3323.65126326399	313.867578769255	3121.529113121326	15.42456467762623	13.31058095363276
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404	ix	30004	-104961.1413	818797.3170250766	39.123038831172366	-101.1692775	312474.991052672	43326.9104554206	3283.649090501613	312.811904477002	3110.028232826713	13.71018194134175	14.1026147485232
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407	ix	30007	-102981.1413	818797.3170250766	39.123060695217834	-101.162301	313078.1961726509	43326.9108763149	3278.154196379033	3123.9683141806677	3103.327519588431	13.71018194134175	14.1026147485232
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410	ix	30010	-101001.1413	818797.3170250766	39.1230680300812	-101.1553245	313881.3995419146	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
411	ix	30011	-100341.1413	818797.3170250766	39.12312711553004	-101.152764	314696.3270959358	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
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415	ix	30015	-97791.1413	818797.3170250766	39.123114680978824	-101.1436999	314686.731031996	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
416	ix	30016	-97041.1413	818797.3170250766	39.123121372	-101.1413714	314887.8017419122	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
417	ix	30017	-96381.1413	818797.3170250766	39.12312129	-101.1396878	314988.688134868	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
418	ix	30018	-95721.1413	818797.3170250766	39.1231344375671	-101.1375704	315289.8239642706	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
419	ix	30019	-95061.1413	818797.3170250766	39.12314092884607	-101.1343499	315491.0028816595	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
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421	ix	30021	-93741.1413	818797.3170250766	39.1231537827356	-101.1297439	315893.1317588402	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
422	ix	30022	-93081.1413	818797.3170250766	39.12316013561117	-101.1274814	316094.1972181836	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
423	ix	30023	-92421.1413	818797.3170250766	39.123166448031308	-101.1250929	316256.2629713758	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
424	ix	30024	-91721.1413	818797.3170250766	39.12317211553004	-101.122764	316496.3270959358	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
425	ix	30025	-91101.1413	818797.3170250766	39.12317898191919	-101.1204418	316697.9251469856	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
426	ix	30026	-90441.1413	818797.3170250766	39.1231851578694	-101.1181163	316898.4527531472	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
427	ix	30027	-89781.1413	818797.3170250766	39.12319124853713	-101.1157908	317099.5218131579	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
428	ix	30028	-89121.1413	818797.3170250766	39.12319733636982	-101.1134653	317300.5861932338	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
429	ix	30029	-88461.1413	818797.3170250766	39.123203379284995	-101.1111398	317501.65094315024	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
430	ix	30030	-87801.1413	818797.3170250766	39.12320937726264	-101.1088143	317702.7416141106	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
431	ix	30031	-87141.1413	818797.3170250766	39.12321550574236	-101.1065372	317910.1575762035	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
432	ix	30032	-86481.1413	818797.3170250766	39.12322123852528	-101.1041633	318104.8149239497	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
433	ix	30033	-85821.1413	818797.3170250766	39.12322710717025	-101.1018377	318305.9054102898	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
434	ix	30034	-85161.1413	818797.3170250766	39.1232232009763	-101.0995122	318506.987184663	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
435	ix	30035	-84501.1413	818797.3170250766	39.1232286350743	-101.0971867	318708.0318487073	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
436	ix	30036	-83841.1413	818797.3170250766	39.1232444199963	-101.0948612	318909.9404012205	43326.9103571909	3268.154196379033	3121.7914859905	3098.108514149561	13.71018194134175	14.1026147485232
437	ix	30037	-83181.1413	818797.3170250766	39.123250105574236	-101.0925372	319110.1575762035	43326.9103571909					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogKgr.ft	BR/ElevBotKgr.ft	SurfBotKgr.ft	SatBotKgr.ft
515	41	30115	-31701.14133	818797.3170250766	-0.12355503248579	-0.001911446	334792.52407538623	4323226.708475724	339.32283381859968	2954.861017648943	2892.912892472027	2893.1406724400185	61.9481251789164	61.7201430892474
516	41	30116	-31401.14133	818797.3170250766	-0.1235571674213	-0.00308819	334983.5747226261	4323222.17488005	3052.588432784043	2955.184526317556	2895.524730747746	58.44380096784336	58.1435917686565	
517	41	30117	-3098.14133	818797.3170250766	-0.12356295786025	-0.00069646	335248.6227093527	4323218.427093527	3091.848341478141	2952.49519845208	2896.541401	56.34801997322083	56.8533979001813	
518	41	30118	-2972.14133	818797.3170250766	-0.12356130290018	-0.0014618	335395.6177226261	4323218.427093527	3011.1063212178193	2951.340563208186	2895.2189925990123	56.3620536769533	56.1215703100631	
519	41	30119	-2960.14133	818797.3170250766	-0.1235630320188	-0.00180425	335596.72066658764	4323210.73564038	3089.96227	2950.203212700522	2892.1083376680413	56.282189091	56.084979402010974	56.01331609384215
520	41	30120	-2840.14133	818797.3170250766	-0.1235652585837	-0.00189517	335797.7694500256	4323206.742713914	3088.4944606258	2949.018348320427	2889.06665138032	56.891607742611	56.0116831823942	6.02022709
521	41	30121	-2774.14133	818797.3170250766	-0.12356716905066	-0.00187194	335998.81804307085	4323205.70102335	3085.85662629257	2947.975047927333	2886.2416098376543	56.8862379412416	61.7334308967866	61.732025609135
522	41	30122	-2720.14133	818797.3170250766	-0.12356903459773	-0.00184859	336199.8664700357	4323198.758	3085.303799191034	2946.861181890332	2883.2890036345973	56.883727919374	63.57790093394195	63.57790093394195
523	41	30123	-2642.14133	818797.3170250766	-0.12357085252957	-0.00182954	336400.9147489965	4323194.765339821	3084.960196678473	2945.800196678473	2882.942170806258	56.85801790861477	65.8767817272211	65.8767817272211
524	41	30124	-2576.14133	818797.3170250766	-0.1235723505717	-0.00180248	336601.9629622574	4323190.773	3080.28701053258	2944.729428343587	2878.672021402516	56.8104733089072	68.10240733027	68.11352497
525	41	30125	-2501.14133	818797.3170250766	-0.123574361725646	-0.00187883	336803.0180159916	4323186.781256819	3077.46021021546	2943.6680276554107	2873.238049781264	56.7328776	70.42997787728427	70.38925199712048
526	41	30126	-2441.14133	818797.3170250766	-0.12357604760376	-0.001855638	337004.0581004414	4323182.7894792	3073.33339187034	2942.614786435221	2869.6621201794965	56.8757804125147	72.562662557458	72.56860227063
527	41	30127	-2387.14133	818797.3170250766	-0.123577885599	-0.00183232	337205.1062465975	4323179.759748584	3071.881404186184	2941.568631551205	2865.91970353249	56.8597801538975	75.98992799558	75.98992799558
528	41	30128	-2321.14133	818797.3170250766	-0.123579245497284	-0.001809127	337406.15372270743	4323174.80640909	3069.20404599049	2940.5290811236864	2862.01823543144	56.829476347491	75.8102578017204	75.8102578017204
529	41	30129	-2246.14133	818797.3170250766	-0.123580835716716	-0.001787872	337607.20197974827	4323170.815133412	3068.527407436506	2939.49538926038	2857.99198308191287	56.755384404058	81.50349944170922	81.50349944170922
530	41	30130	-2180.14133	818797.3170250766	-0.1235824191788	-0.001762516	337808.2481989154	4323166.824027625	3063.850469230204	2938.467480314736	2853.6828061206013	56.718307967223	84.7038719873483	84.7038719873483
531	41	30131	-2114.14133	818797.3170250766	-0.1235838302082	-0.001739361	338009.2951997815	4323162.83092331	3061.2254025019313	2937.44248604086	2849.3011598165367	56.6293697087053	84.128787654048	84.128787654048
532	41	30132	-2048.14133	818797.3170250766	-0.1235852195651	-0.001716105	338210.3402425517	4323158.84230917	3058.652368602542	2936.42187776788	2844.539265396925	56.64458317484765	81.8826123690548	81.8826123690548
533	41	30133	-1982.14133	818797.3170250766	-0.123586691011936	-0.00168925	338411.3887234039	4323154.851731576	3056.3079715891523	2935.404661155052	2839.496223664464	56.63950118627397	80.9057431786035	80.9057431786035
534	41	30134	-1916.14133	818797.3170250766	-0.123587917540135	-0.00166959	338612.4532462324	4323150.861306304	3053.5063053577623	2934.3614641139	2833.77439325235	56.6087072961908	80.60207168002	80.60207168002
535	41	30135	-1850.14133	818797.3170250766	-0.12358919915004	-0.001646339	338814.816243234	4323146.871051083	3051.5682059572723	2932.367438740946	2828.4094868733986	56.5813110888619	80.4579186760506	80.4579186760506
536	41	30136	-1784.14133	818797.3170250766	-0.12359043581685	-0.001623304	339014.52763576464	4323142.80669513	3049.2649037401	2932.3645150552	2824.3286256204	56.5623500149926	80.1065393243473	80.1065393243473
537	41	30137	-1718.14133	818797.3170250766	-0.12359167310626	-0.001600949	339214.589157062	4323138.891507682	3047.33489150762	2931.334891477846	2823.500955437568	56.54250955437568	80.1065393243473	80.1065393243473
538	41	30138	-1652.14133	818797.3170250766	-0.12359277447021	-0.001578573	339416.6179061307	4323134.90130583	3045.4765342176284	2930.3240193175634	2822.47162001360048	56.527955524328	80.078317155862	80.078317155862
539	41	30139	-1586.14133	818797.3170250766	-0.12359387640708	-0.001555318	339617.6655234313	4323130.91730607	3043.765102167894	2929.31662310381	2820.587371571393	56.510383336696	80.0582905	80.0582905
540	41	30140	-1520.14133	818797.3170250766	-0.12359493425665	-0.001530063	339817.711170504	4323126.92523546	3040.281906430335	2928.312594	2823.37762421357	56.493471891318	80.0417563460302	80.0417563460302
541	41	30141	-1454.14133	818797.3170250766	-0.12359594552599	-0.001505807	340019.75654691	4323122.933	3050.798710130187	2927.311871784134	2826.6846201538468	56.472515654663	80.0582905	80.0582905
542	41	30142	-1388.14133	818797.3170250766	-0.12359691270782	-0.00148352	340220.818199733	4323118.94402543	3052.315511611305	2926.314372586635	2820.3411818909484	56.44909805487815	80.027660726303	80.027660726303
543	41	30143	-1322.14133	818797.3170250766	-0.1235978497108	-0.00146185	340421.948971868	4323114.95513064	3050.29125268406	2925.3198517683945	2819.32863692253	56.42542970954	80.0134298618254	80.0134298618254
544	41	30144	-1256.14133	818797.3170250766	-0.1235987123172	-0.001440374	340622.8917071569	4323110.96871769	3052.625841305278	2924.04062554943	2817.4940251692453	56.401297100379	80.0044772558	80.0044772558
545	41	30145	-1190.14133	818797.3170250766	-0.123599544744906	-0.001418786	340823.936804295	4323106.97781482	3050.660638737212	2923.335867193573	2817.32153284344	56.4073510554433	80.008704331382	80.008704331382
546	41	30146	-1124.14133	818797.3170250766	-0.12360033	-0.001393053	341024.9814557289	4323102.9846301	3049.69538933446	2922.34213353925	2815.80085613072	56.40640653747419	80.03547093	80.03547093
547	41	30147	-1058.14133	818797.3170250766	-0.1236010748445	-0.001367275	341226.059516005	4323099.01247839	3048.427470733393	2921.3404238784003	2814.0429348830074	56.4042802885988	80.03084852922	80.03084852922
548	41	30148	-992.14133	818797.3170250766	-0.123601727516786	-0.00134402	341427.070296467	4323095.10232592	3046.85787318183	2920.33052318183	2813.6417757181	56.4025787487006	80.03084852922	80.03084852922
549	41	30149	-926.14133	818797.3170250766	-0.12360245270846	-0.001320764	341628.114797037	4323091.05287276	3045.028055930327	2919.298631819484	2813.186175890026	56.4003610036687	80.03084852922	80.03084852922
550	41	30150	-860.14133	818797.3170250766	-0.1236032310626	-0.001297509	341829.15817618	4323087.0371909	3043.21813800729	2918.192719817341	2812.940192899591	56.398192719817341	80.03084852922	80.03084852922
551	41	30151	-794.14133	818797.3170250766	-0.123603960241	-0.001274253	342030.020288885	4323083.0056454	3041.96451600537	2917.02965778137	2813.482065748812	56.3956100292585	80.03084852922	80.03084852922
552	41	30152	-728.14133	818797.3170250766	-0.12360410423316	-0.001250998	342231.2411268006	4323079.06270915	3040.027139601507	2915.76650362783	2813.6354657630372	56.392576206978	80.03084852922	80.03084852922
553	41	30153	-662.14133	818797.3170250766	-0.12360458710422	-0.001227743	342432.289662546	4323075.07552279	3038.089761945745	2914.430910872537	2813.5840233104867	56.3908872145959	80.03084852922	80.03084852922
554	41	30154	-596.14133	818797.3170250766	-0.123605012566826	-0.001204487	342633.3309907023	4323071.08495939	3036.15236891943	2913.207398	2813.93962601923	56.38800055798617	80.03084852922	80.03084852922
555	41	30155	-530.14133	818797.3170250766	-0.1236053891116	-0.001181322	342834.376307023	4323067.102	3034.2899711037307	2912.07179898217512	2813.495606090929	56.38550462972354	80.03084852922	80.03084852922
556	41	30156	-464.14133	818797.3170250766	-0.12360578457086	-0.001157977	343035.4194718776	4323063.1485772	3032.502516131576	2910.626305381254	2812.8049677084246	56.38290505057084	80.03084852922	80.03084852922
557	41	30157	-398.14133	818797.3170250766	-0.1236061730916	-0.00113428	343236.45817618	4323060.0389951	3030.68414781563	2909.18414781563	2812.324192899591	56.380192719817341	80.03084852922	80.03084852922
558	41	30158	-332.14133	818797.3170250766	-0.12360627873439	-0.001111678	343437.505327672	4323055.10230358	3028.92706	2908.04181576167	2811.70475882	56.379024041476586	80.03084852922	80.03084852922
559	41	30159	-266.14133	818797.3170250766	-0.12360648230555	-0.001088821	343638.5478842426	4323051.15991905	3026.70016718142	2906.7601187142	2810.930405	56.3783330863083	80.03084852922	80.03084852922
560	41	30160	-200.14133	818797.3170250766	-0.12360664095842	-0.001064955	343839.590383464	4323047.196912471	3024.955219323825					

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRLEvgsKrg.f	BRLEvbothKrg.f	SatHtgsKrg.f	SatHtBoth.f
641	ixi	30241	54185.8867307335	818797.3170250766	-99.13247031831189	-00.6181272	30123.5457717275	33174.284867	2905.1848604742295	2763.6120545270846	2763.7964963518253	2048370245926675	20.4155871529392
642	ixi	30242	52118.8867307335	818797.3170250766	-99.13246679367141	-00.6159816	360324.57164712234	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	19.479045362596157	19.479045362596157
643	ixi	30243	52718.8867307335	818797.3170250766	-99.132440863341287	-00.6164138	360525.90733711346	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	18.8848969697478	18.8848969697478
644	ixi	30244	53438.8867307335	818797.3170250766	-99.13245690963629	-00.6115106	360726.6375	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	17.5905891153678	17.5905891153678
645	ixi	30245	54098.8867307335	818797.3170250766	-99.1324556024171	-00.6088251	360927.667761701	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	16.67198275096537	16.67198275096537
646	ixi	30246	54758.8867307335	818797.3170250766	-99.1324524592915	-00.6064995	361128.6979217096	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	15.3900313	15.3900313
647	ixi	30247	55418.8867307335	818797.3170250766	-99.1324484966984	-00.604174	361329.72794712824	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	14.5608794211814	14.5608794211814
648	ixi	30248	56078.8867307335	818797.3170250766	-99.13244470254996	-00.6018485	361530.757831662	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	13.58907832369245	13.58907832369245
649	ixi	30249	56788.8867307335	818797.3170250766	-99.132440863341287	-00.599623	361731.7875960287	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	12.72751794313977	12.72751794313977
650	ixi	30250	57398.8867307335	818797.3170250766	-99.13243697949893	-00.5971974	361932.9172179179	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	20.22549554824	20.22549554824
651	ixi	30251	58058.8867307335	818797.3170250766	-99.132430350596326	-00.5948719	362133.8467070375	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	20.4932750847983	20.4932750847983
652	ixi	30252	58718.8867307335	818797.3170250766	-99.13242907775814	-00.5925464	362334.7867062539	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	19.33044083972023	19.33044083972023
653	ixi	30253	59378.8867307335	818797.3170250766	-99.1324205803735	-00.5902208	362535.90528478904	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	18.73943893178485	18.73943893178485
654	ixi	30254	60038.8867307335	818797.3170250766	-99.1324190388064	-00.5878953	362736.943738286	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	17.9390138075164	17.9390138075164
655	ixi	30255	60698.8867307335	818797.3170250766	-99.1324168858069	-00.5859588	362937.9632991703	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	16.7359913581718	16.7359913581718
656	ixi	30256	61358.8867307335	818797.3170250766	-99.132412321429	-00.583443	363138.951232065	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	15.8441890963927	15.8441890963927
657	ixi	30257	62018.8867307335	818797.3170250766	-99.13240853390408	-00.5809187	363340.028640057	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	14.7310376987223	14.7310376987223
658	ixi	30258	62678.8867307335	818797.3170250766	-99.132400525367	-00.5785932	363541.044025367	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	13.8363023413922	13.8363023413922
659	ixi	30259	63338.8867307335	818797.3170250766	-99.132400022999	-00.5762677	363742.077828475	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	12.8420408258555	12.8420408258555
660	ixi	30260	63998.8867307335	818797.3170250766	-99.1323966912686	-00.5739422	363943.1061232435	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	11.845619338109	11.845619338109
661	ixi	30261	64658.8867307335	818797.3170250766	-99.13239129104305	-00.5716166	364144.1324952327	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	10.846022947978	10.846022947978
662	ixi	30262	65318.8867307335	818797.3170250766	-99.132386806403	-00.5692911	364345.1623170773	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	9.8442632102338	9.8442632102338
663	ixi	30263	65978.8867307335	818797.3170250766	-99.1323822072191	-00.56738	364546.192169152	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	8.8442632102338	8.8442632102338
664	ixi	30264	66638.8867307335	818797.3170250766	-99.132377883321	-00.5646401	364747.218	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	7.8442632102338	7.8442632102338
665	ixi	30265	67298.8867307335	818797.3170250766	-99.13237329577845	-00.5623146	364948.245623405	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	6.8442632102338	6.8442632102338
666	ixi	30266	67958.8867307335	818797.3170250766	-99.1323687269064	-00.559989	365149.231305766	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	5.8442632102338	5.8442632102338
667	ixi	30267	68618.8867307335	818797.3170250766	-99.132363407931758	-00.5576365	365350.3060071952	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	4.8442632102338	4.8442632102338
668	ixi	30268	69278.8867307335	818797.3170250766	-99.13235936810684	-00.555338	365551.3277535167	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	3.8442632102338	3.8442632102338
669	ixi	30269	69938.8867307335	818797.3170250766	-99.132356449395956	-00.5530215	365752.3549757603	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	2.8442632102338	2.8442632102338
670	ixi	30270	70598.8867307335	818797.3170250766	-99.13235050698	-00.5506869	365956.198582094	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	1.8442632102338	1.8442632102338
671	ixi	30271	71258.8867307335	818797.3170250766	-99.132345039783054	-00.5483614	366154.4087127652	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	0.8442632102338	0.8442632102338
672	ixi	30272	71918.8867307335	818797.3170250766	-99.1323401	-00.5460359	366354.534399556	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	20.4932750847983	20.4932750847983
673	ixi	30273	72578.8867307335	818797.3170250766	-99.1323352050649	-00.5437104	366556.6213780396	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	19.479045362596157	19.479045362596157
674	ixi	30274	73238.8867307335	818797.3170250766	-99.1323302849273	-00.5413849	366757.488066635	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	18.479045362596157	18.479045362596157
675	ixi	30275	73898.8867307335	818797.3170250766	-99.13232552156122	-00.5390593	366958.5145464839	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	17.479045362596157	17.479045362596157
676	ixi	30276	74558.8867307335	818797.3170250766	-99.1323202207191	-00.536738	367159.541157967	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	16.479045362596157	16.479045362596157
677	ixi	30277	75218.8867307335	818797.3170250766	-99.13231513294486	-00.5344083	367360.567203762	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	15.479045362596157	15.479045362596157
678	ixi	30278	75878.8867307335	818797.3170250766	-99.1323099126008	-00.5320828	367561.5931954277	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	14.479045362596157	14.479045362596157
679	ixi	30279	76538.8867307335	818797.3170250766	-99.132304846573	-00.5297573	367762.6190220324	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	13.479045362596157	13.479045362596157
680	ixi	30280	77198.8867307335	818797.3170250766	-99.13229957313728	-00.5274317	367963.6447207655	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	12.479045362596157	12.479045362596157
681	ixi	30281	77898.8867307335	818797.3170250766	-99.1322942669931	-00.5251062	368164.6702918617	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	11.479045362596157	11.479045362596157
682	ixi	30282	78558.8867307335	818797.3170250766	-99.13228975343634	-00.5227707	368365.965352406	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	10.479045362596157	10.479045362596157
683	ixi	30283	79218.8867307335	818797.3170250766	-99.1322846719817	-00.5204476	368567.105196746	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	9.479045362596157	9.479045362596157
684	ixi	30284	79838.8867307335	818797.3170250766	-99.1322791878792	-00.5181297	368767.740213967	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	8.479045362596157	8.479045362596157
685	ixi	30285	80498.8867307335	818797.3170250766	-99.13227274177046	-00.5158042	368968.7713039557	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	7.479045362596157	7.479045362596157
686	ixi	30286	81158.8867307335	818797.3170250766	-99.1322672407406	-00.5134786	369169.7962399233	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	6.479045362596157	6.479045362596157
687	ixi	30287	81818.8867307335	818797.3170250766	-99.1322616840001	-00.5111531	369370.821049403	43170.204945401	2904.890348955483	2762.013059434503	2762.536008796437	5.479045362596157	5.479045362596157
688	ixi	30288	82478.8867307335	818797.3170250766	-99.1322561303831	-00.5088276	3695						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.t	W.Lt.	BRRElevKgr.f	BRRElevOrth.f	SatHtKgr.f	SatHtBoth.f
27	42	30367	-353781.1413	819457.3170250766	-39.1896641590553	-102.0459647	236661.28436777275	4343397.27462334	3968.58666501451	3844.610810778976	3822.196799862872	3834.841022989335	21.44040919104113	9.76797891492483
28	42	30368	-353121.1413	819457.3170250766	-39.1896046953648	-102.0436395	236862.4366490713	4343393.19735585	3962.631523063116	3830.36584485941	3820.9932260716714	3835.3895024097274	22.37265841169564	7.976320476113624
29	42	30369	-348561.1413	819457.3170250766	-39.19014476390034	-102.043143	237063.5866693036	4343398.21182963	3968.6723660594782	3834.1301259861826	3819.581169891826	3836.000322701503	22.54815598927866	6.330011664964685
30	42	30370	-351691.1413	819457.3170250766	-39.19034402073623	-102.0389691	237264.7042867916	4343385.03409168	3954.1717379664473	3840.904106746567	3818.2934255774608	3841.231054089671	22.61102540900477	42.042309597879463
31	42	30371	-351411.1413	819457.3170250766	-39.19062360966885	-102.0366639	237465.8920273362	4343380.96697463	3961.501422869014	3839.688404267936	3816.734586501413	3837.1422306021226	22.98371766531176	2.546374205819363
32	42	30372	-350481.1413	819457.3170250766	-39.19066234986164	-102.0343387	237667.0432566798	4343378.88966799	3948.7821313424827	3848.282652935227	3815.583172085077	3847.7343494204	22.8990320844572	0.707915898288643
33	42	30373	-349821.1413	819457.3170250766	-39.1911006409192	-102.0320135	237868.1942436794	4343378.812710713	3946.5527445609514	3837.286117367535	3814.211430687349	3839.269606089532	23.0746868018737	0
34	42	30374	-349161.1413	819457.3170250766	-39.19113384278146	-102.0296883	238069.3449616898	4343376.780327479	3948.078375994919	3836.1000448456283	3812.682920908982	3841.4711933573615	0	0
35	42	30375	-348501.1413	819457.3170250766	-39.1915787556774	-102.0273851	238270.4954	4343367.958518806	3948.461273640692503	3834.821571965185	3811.69271965185	3833.7048296838132	23.0486296838132	6.330011664964685
36	42	30376	-347841.1413	819457.3170250766	-39.1919128152768	-102.025038	238471.5456183785	4343360.583184125	3941.645269569125	3833.768535241275	3809.5970915810785	3834.2827913193567	24.16055404354805	0
37	42	30377	-347181.1413	819457.3170250766	-39.1920493139095	-102.0227128	238672.79555748554	4343356.507	3940.848916977639	3832.603131556643	3807.965496420383	3832.1839178978345	24.633762510634003	0.4494923663191912
38	42	30378	-346521.1413	819457.3170250766	-39.1922853594646	-102.0203876	238873.94523737425	4343342.431036687	3940.0520072818333	3831.4586147341734	3806.262601533344	3832.426212458305	25.196013200838934	0
39	42	30379	-345861.1413	819457.3170250766	-39.1925009559419	-102.0180623	239075.0946582894	4343344.355	3939.060294235984	3830.3245938301075	3804.7763766706	3836.46116466959	25.54658017	0
40	42	30380	-345201.1413	819457.3170250766	-39.1927561033411	-102.0157371	239276.2432036107	4343344.279585114	3937.873777892368	3829.2014206347297	3802.101551649657	3830.87947176845	27.09986984622284	0
41	42	30381	-344541.1413	819457.3170250766	-39.1929990016615	-102.0134119	239477.39272377858	4343340.204120259	3936.68728159611062	3828.0892847597984	3798.0173884565106	3830.217059801162	27.09986984622284	0
42	42	30382	-343881.1413	819457.3170250766	-39.193225050929	-102.0110627	239678.5414	4343336.12829251	3935.507452523977	3826.980384569654	3797.2322746719703	3832.0738956110445	29.75001378499248	0
43	42	30383	-343221.1413	819457.3170250766	-39.1934485810644	-102.0087165	239879.6897571444	4343322.05371279	3935.5217497317933	3825.889830904523	3796.205544467673	3835.19967676097	30.09338644696486	0
44	42	30384	-342561.1413	819457.3170250766	-39.1936922021461	-102.0064363	240080.8784589426	4343327.97879341	3934.7551197103687	3824.8210826487966	3794.0212715896914	3839.79255183303	30.79991104983517	0
45	42	30385	-341901.1413	819457.3170250766	-39.19392510414755	-102.0041111	240281.985755698	4343323.904000235	3937.9779147170045	3823.754561772334	3792.1964369834373	3833.815343	31.55821728886276	0
46	42	30386	-341241.1413	819457.3170250766	-39.1941575706775	-102.0017859	240483.1336921608	4343319.829405403	3939.060812456407	3822.69725117107	3790.440363033003	3828.69652978232	32.696940930388	0
47	42	30387	-340581.1413	819457.3170250766	-39.19449386906504	-101.9994607	240684.2807326128	4343315.754893763	3941.2199554621894	3821.6487141296784	3788.746714296784	3824.89937635626	33.1909168199849	0
48	42	30388	-339921.1413	819457.3170250766	-39.1948211156637	-101.9971355	240885.4726433097	4343311.60673691	3944.019454126637	3820.6034562903814	3786.726174243107	3822.152594	33.88661750529684	0
49	42	30389	-339261.1413	819457.3170250766	-39.19516712584349	-101.9948362	241095.746663534	4343307.962928007	3946.481257888986	3819.6213386987	3784.6829271675	3819.182891590167	34.4530438	49.223710255547424
50	42	30390	-338601.1413	819457.3170250766	-39.19550287731024	-101.992485	241287.7212510698	4343302.53763341	3946.6161714555424	3818.560956385543	3784.197209171526	3812.257327793625	34.36374545141177	6.265583575
51	42	30391	-337941.1413	819457.3170250766	-39.19583130854403	-101.9901758	241488.86785031053	4343299.450307647	3950.4448619236764	3817.553624546856	3782.667607	3817.394891078511	34.8873491835915	13.204851782838168
52	42	30392	-337281.1413	819457.3170250766	-39.1956244386595	-101.9873436	241690.013566224	4343295.35485832	3948.300419432674	3816.55684649996	3780.553781004642	3799.307459140661	36.0030549532388	17.24935135930491
53	42	30393	-336621.1413	819457.3170250766	-39.19595721532077	-101.9855094	241891.1594887105	4343291.31207891	3948.15693046934	3815.569796562376	3777.6926960975525	3793.570199602455	37.9935046805125	21.99959695991265
54	42	30394	-335961.1413	819457.3170250766	-39.19600101346506	-101.9831841	242092.30502914073	4343287.28903817	3947.0134701505995	3814.591629	3773.3760415379925	3787.424517179155	41.21568750996746	27.167111163004474
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56	42	30396	-334641.1413	819457.3170250766	-39.196271964	-101.9785337	242494.5828363385	4343279.093	3947.0041169611922	3812.652891029392	3781.72889235829146	3787.677342112246	46.7745347112246	0
57	42	30397	-333981.1413	819457.3170250766	-39.1966486997266	-101.9762085	242695.7401763591	4343275.20334724	3946.63049313698	3811.697181462422	3747.6317494307515	3756.079562715814	64.00543202735065	55.61722519519071
58	42	30398	-333321.1413	819457.3170250766	-39.19738832	-101.9738832	242896.88414288	4343270.97826047	3946.7186613004	3810.737385790493	3740.2152102667487	3752.8024726417377	67.5248575237441	57.93513814890548
59	42	30399	-332661.1413	819457.3170250766	-39.1977385784712	-101.971558	243098.0289857808	4343266.87491205	3946.095262034906	3809.774403272186	3738.48869805977	3758.382485745727	71.28570666624183	51.39191802649157
60	42	30400	-332001.1413	819457.3170250766	-39.1979374421314	-101.9692328	243299.173	4343262.803	3944.69126534907	3808.801665342917	3739.3341517956933	3760.015376433976	74.8675137	48.7863573035405
61	42	30401	-331341.1413	819457.3170250766	-39.1979595	-101.9669879	243500.3168019457	4343258.73142991	3945.314744344766	3807.9063227230905	3740.263301284174	3759.00913269868	67.5430210248841	48.7973090040596
62	42	30402	-330681.1413	819457.3170250766	-39.19797157254349	-101.9643823	243701.4602220996	4343254.59629007	3946.481257888986	3807.9063227230905	3741.257298340573	3757.52328	69.7734515747424	0
63	42	30403	-330021.1413	819457.3170250766	-39.1980405469136	-101.962527	243902.6035813286	4343249.88780928	3950.4448619236764	3806.42484616756	3740.650023170405	3757.708354	71.3637331673237	47.89178871
64	42	30404	-329361.1413	819457.3170250766	-39.1982649163036	-101.9599318	244103.746002684	4343245.51642251	3935.84050025371	3804.214614	3741.943318593976	3757.778992353286	72.1016952262	46.35617319831636
65	42	30405	-328701.1413	819457.3170250766	-39.1984888366045	-101.9576066	244304.88935874546	4343245.45132265	3932.2474657456564	3802.59688821278	3742.3887240244517	3751.196324850076	75.16096579682653	51.353453766017725
66	42	30406	-328041.1413	819457.3170250766	-39.1987123078161	-101.9552813	244506.0318637428	4343242.374010665	3928.647154175838	3800.6963171675134	3742.965873064313	3744.547701118169	77.57304410320017	56.14861604394348
67	42	30407	-327381.1413	819457.3170250766	-39.1989353293976	-101.9529691	244707.17411545748	4343239.303096465	3924.989245258184	3798.7524935723174	3743.593761308281	3738.111280772668	79.34601731394065	60.64112988
68	42	30408	-326721.1413	819457.3170250766	-39.19915179602766	-101.9506308	244908.3611410037	4343232.32298996	3927.273648767046	3796.77637923905	3740.215315591014	3732.755424949893	82.55544376800011	60.1103497409728
69	42	30409	-326061.1413	819457.3170250766	-39.1993725925968	-101.9484192	245109.386989816	4343226.149	3924.989245258184	3794.7154198239614	3739.2812852210567	3734.711982430966	84.6923814526886	60.92596414
70	42	30410	-325401.1413	819457.3170250766	-39.199607017586	-101.9459803	245310.59935300166	4343222.091278995	3915.842461265361	3792.7341345713703	3743.1783492475	3734.615956259595	85.464434369505	58.1137777775154
71	42	30411	-324741.1413	819457.3170250766	-39.1998292275164	-101.9436551	245511.7406936073	4343218.01029627	3910.6559373816754	3790.701673167556	3745.342353812823	3739.685803619243	85.35991354732634	51.0186954834147
72	42	30412	-324081.1413	819457.3170250766	-39.199941328	-101.9413298	245712.881582028	4343213.950						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
153	42	30493	-270621.1413	819457.3172050766	39.12164351431433	-101.7529802	26004.4829497259	4333884.851210355	3619.972441	3584.2056663984153	3594.11699334565	3592.92839720802	0	0
154	42	30494	-269961.1413	819457.3172050766	39.121661950925854	-101.7500548	26220.6039505044	4333880.79535689	3606.368963344837	3581.45297706215	3591.440023	3590.87825101089	0	0
155	42	30495	-269301.1413	819457.3172050766	39.121680263594946	-101.7483298	26246.2671169374	4333876.929980211	3602.0549645598042	3578.926398497286	3589.2893574758935	3589.933674758935	0	0
156	42	30496	-268661.1413	819457.3172050766	39.121698564512826	-101.7460041	26265.04422970734	4333782.684	3607.0304422970734	3575.904552700295	3589.516862579037	3588.290468601738	0	0
157	42	30497	-267981.1413	819457.3172050766	39.121716824754166	-101.7436787	26288.06546339346	4333868.629	3612.006020070112	3573.148938458044	3585.233602114343	3587.3951732140755	0	0
158	42	30498	-267321.1413	819457.3172050766	39.121735040083074	-101.7413534	26301.0805654042	4333864.573683718	3616.9815978422507	3570.365686152335	3583.9446482704716	3586.6801839291705	0	0
159	42	30499	-266661.1413	819457.3172050766	39.12175321049945	-101.739028	26321.2054325312	4333860.519	3623.623825804557	3567.574594949055	3583.99927409727	3585.737780531748	0	0
160	42	30500	-266001.1413	819457.3172050766	39.12177136012316	-101.7367026	26342.3512524326	4333856.43883129	3631.9310772847307	3564.715232567526	3581.63464896427	3586.7155943867	0	0
161	42	30501	-265341.1413	819457.3172050766	39.12178941660389	-101.7343773	26368.13444841852	4333852.409245548	3640.2287458989042	3561.9698334447874	3581.554167847971	3586.15649543077	0	0
162	42	30502	-264681.1413	819457.3172050766	39.121792462282255	-101.7320519	26384.15636971778	4333848.34777091	3640.5466649532778	3559.1529214123015	3580.607936334555	3585.4009142369005	0	0
163	42	30503	-264021.1413	819457.3172050766	39.121825434048294	-101.7297266	26401.618560056487	4333844.30043757	3653.822699197593	3556.33486	3580.06132222645	3583.425100638464	0	0
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167	42	30507	-261381.1413	819457.3172050766	39.1218969589543	-101.7204251	264820.15573426214	4333828.985041467	3661.986916919155	3544.968670375198	3570.9444886315505	3576.2953800707835	0	0
168	42	30508	-260721.1413	819457.3172050766	39.12191472318779	-101.7180977	265021.27346071514	4333824.031813623	3660.8026179554036	3542.107460911779	3567.827243710076	3573.90995134258	0	0
169	42	30509	-260061.1413	819457.3172050766	39.12193344477316	-101.7157743	265222.39005479395	4333819.978388555	3660.2183423889826	3539.2383254708425	3564.7413189301496	3571.9554513072525	0	0
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171	42	30511	-258741.1413	819457.3172050766	39.12196775231774	-101.7111236	265624.62524664146	4333811.727368526	3656.845410635286	3534.4754208446975	3559.0651930752997	3568.6383293471292	0	0
172	42	30512	-258081.1413	819457.3172050766	39.1219833386856	-101.7087982	265825.720448217	4333807.819632949	3661.852455682325	3530.5815420691915	3556.696149	3564.02425619687	0	0
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174	42	30514	-256761.1413	819457.3172050766	39.12202377231244	-101.7041475	266227.9749	4333799.7146809315	3646.684849119437	3524.76152367526	3553.612525469655	3559.476501	0	0
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176	42	30516	-255441.1413	819457.3172050766	39.12205523594179	-101.6994967	266630.2099	4333791.610421053	3630.5282519057027	3518.92640500222	3550.882903546122	3554.613230005043	0	0
177	42	30517	-254781.1413	819457.3172050766	39.1220775927422	-101.6971713	266831.32256646524	4333787.55856047	3624.6337583566037	3515.997854522287	3547.875075202088	3551.774951185826	0	0
178	42	30518	-254121.1413	819457.3172050766	39.1220989149995	-101.6948459	267032.43797837594	4333783.506853258	3618.7392648075042	3513.063183213043	3544.400248499613	3549.4350224780715	0	0
179	42	30519	-253461.1413	819457.3172050766	39.12210719	-101.6925205	267233.55315996365	4333779.455328874	3618.366246821464	3510.121263567599	3541.385211492191	3546.83608599949	0	0
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182	42	30522	-251481.1413	819457.3172050766	39.12215912415006	-101.6855444	267836.98747927	4333767.301739274	3633.81701739274	3501.2404797241	3535.336095834733	3541.1411301968	0	0
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185	42	30525	-249501.1413	819457.3172050766	39.12220988	-101.6785682	268440.2394204834	4333755.149581304	3635.960200237097	3492.2773496345903	3531.13272908588	3537.3412821742103	0	0
186	42	30526	-248841.1413	819457.3172050766	39.12222638470338	-101.6762428	268641.3529990703	4333751.099501764	3635.7899409595244	3489.274313366134	3529.289705194276	3536.112683	0	0
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188	42	30528	-247521.1413	819457.3172050766	39.1222601545955	-101.6716921	269043.57946325815	4333742.999303528	3625.325670576252	3483.24770509097	3524.039271724975	3530.9651710054743	0	0
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190	42	30530	-246201.1413	819457.3172050766	39.12229241663394	-101.6669412	269445.8051442531	4333734.899977028	3611.485407991475	3477.194509249037	3516.356647350597	3521.60289086676	0	0
191	42	30531	-245541.1413	819457.3172050766	39.12231094983281	-101.6646158	269646.917447507	4333730.85058228	3602.7344434638926	3474.158492597172	3512.30703403558	3517.239991574923	0	0
192	42	30532	-244881.1413	819457.3172050766	39.12232763811807	-101.6622904	269848.0265391194	4333726.801252217	3592.152343468033	3471.1167747050667	3508.063930079753	3515.93588803071	0	0
193	42	30533	-244221.1413	819457.3172050766	39.1223442148975	-101.659995	270049.1416	4333722.752149177	3583.752044297135	3468.09857770577	3504.4950907184107	3508.9248939949045	0	0
194	42	30534	-243561.1413	819457.3172050766	39.1223603994775	-101.6576396	270250.253836599	4333718.20319032	3570.989148912637	3501.8106741270071	3501.1807614162653	3504.359370915926	0	0
195	42	30535	-242901.1413	819457.3172050766	39.12237743434027	-101.6554178	270451.3454581696	4333714.654581691	3561.962917758906	3491.629017758906	3491.629017758906	3491.629017758906	0	0
196	42	30536	-242241.1413	819457.3172050766	39.122393942122706	-101.6529898	270623.9025021016	4333710.605577412	3561.642523091234	3488.9025217381223	3490.788822842959	3496.60310911926	0	0
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199	42	30539	-240261.1413	819457.3172050766	39.12244319853204	-101.6460126	271255.889	4333698.46116153	3579.878352952934	3449.70316295512	3477.3105542378767	3480.59858646093	0	0
200	42	30540	-239601.1413	819457.3172050766	39.12245952705756	-101.6436872	271456.891302287	4333694.412686565	3576.532166590845	3446.6308371485675	3471.9480594709094	3475.527960247493	0	0
201	42	30541	-238941.1413	819457.3172050766	39.12247671559918	-101.6413618	271659.1236941877	4333690.58548607	3574.186987682456	3443.655795409417	3469.638946517393	3470.70824715784	0	0
202	42	30542	-238281.1413	819457.3172050766	39.12249325	-101.6390564	271859.139329527	4333686.371999091	3569.8395251740292					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKg.ft	SatThLoG.fs	SatThBotH.	
279	42	30619	-187461.1413	819457.3170250766	39.123607986399736	-101.4599771	287343.94352624385	4333375.17533605	3289.3049275235653	321.2604478807334	321.6978529590351	3205.471290402214	14.262959308225	25.843228840511983
280	42	30620	-186801.1413	819457.3170250766	39.12362032217642	-101.457616	287545.0364957344	4333371.14245658	3292.687527	3229.40662564713	321.34946064007744	3202.35206882044	15.96139455918517	27.108732883669033
281	42	30621	-186141.1413	819457.3170250766	39.123630137367065	-101.453138	287746.129634668	4333367.10725978	3286.070541772294	3227.68803430534	321.018390132197	3204.358832	17.6797034131416	23.339701697533664
282	42	30622	-185481.1413	819457.3170250766	39.1236455698162	-101.430006	287947.221181111	4333363.07365547	3295.457324132333	3225.974321432333	320.622249497972	3203.126171351802	19.352079143660376	22.84815198252084
283	42	30623	-184821.1413	819457.3170250766	39.12365688	-101.4506751	288148.3141637334	4333359.40015369	3303.7458961390907	3229.481840215484	3203.39986571056	3201.862860657218	20.891854844428053	26.41201415
284	42	30624	-184161.1413	819457.3170250766	39.12367081612247	-101.4483497	288349.40630052716	4333355.00661431	3308.949539200487	3222.652812133049	3200.461317645506	3201.307432737983	22.0914634398466	23.4840179436596
285	42	30625	-183501.1413	819457.3170250766	39.12368332731868	-101.4460242	288550.4892286977	4333349.073389725	3314.153286284188	3221.059109430033	3197.942364	3200.8727933317116	21.13146768485757	16.1768032345014
286	42	30626	-182841.1413	819457.3170250766	39.1236953939874	-101.4439897	288751.5899484494	4333346.94035248	3319.357126232328	3219.5126056998483	3195.91471570387	3200.00177182792016	23.59789032911534	19.4402387906476
287	42	30627	-182181.1413	819457.3170250766	39.123706214962625	-101.4413753	288952.5814598895	4333342.3074529898	3327.64195945622	3218.0151540802262	3194.391468254756	3200.861406824756	25.823801723425872	21.05470715551064
288	42	30628	-181521.1413	819457.3170250766	39.123720591416416	-101.439077	289153.7726324824	4333338.67470383	3338.014572020997	3216.568435721816	3192.91919829833	3190.95189	23.64327421982	25.9163596118076
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291	42	30631	-179541.1413	819457.3170250766	39.123757451261824	-101.4320712	289757.0545280724	4333326.77634381	3388.4966585025635	3212.5470588953745	3188.486226400422	3186.15554954959	24.06085949525638	26.39182239897531
292	42	30632	-178881.1413	819457.3170250766	39.1237698404337	-101.4297458	289958.1360013167	4333322.746	3370.607889	3211.3739678335	3186.384017504664	3180.0057691534393	24.8339733317116	31.1216768485757
293	42	30633	-178221.1413	819457.3170250766	39.12378179991062	-101.4274203	290159.2523	4333318.71373987	3382.1272115473735	3210.144992892826	3181.5956260074911	3172.808093274911	25.59789032911534	19.4402387906476
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295	42	30635	-176901.1413	819457.3170250766	39.12380596884004	-101.4227963	290561.468111566	4333310.6595918745	3393.12646259444	3207.879347482356	3178.304590234488	3178.2453416575154	31.66983274768847	58.72896982
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297	42	30637	-175581.1413	819457.3170250766	39.1238286821184	-101.4181183	290963.5852666566	4333302.558	3362.0744357056838	3206.0359673658736	3178.738966642473	3178.201094546813	35.25199770162635	24.83487290725725
298	42	30638	-174921.1413	819457.3170250766	39.1238418854961	-101.4157928	291164.6734036245	4333300.557110412	3365.4448232804	3205.154759318411	3168.458708	3200.8920139280672	36.96095129302676	4.262739936343078
299	42	30639	-174261.1413	819457.3170250766	39.123853786393	-101.4134673	291365.7632331131	4333294.526	3350.30425449297	3204.30862861204	3166.149014508936	321.989577070051	38.1818125260205	0
300	42	30640	-173601.1413	819457.3170250766	39.12386555315224	-101.4111418	291566.852557072	4333290.495600875	3355.941920671396	3203.562554632946	3164.081484584394	3208.935731894444	39.4747173826768	0
301	42	30641	-172941.1413	819457.3170250766	39.12387738785002	-101.408493	291766.129634668	4333286.68981133	3358.5890922978658	3202.948468795168	3162.03458488384	3164.686393799444	40.9788158989265	13.796268773235692
302	42	30642	-172281.1413	819457.3170250766	39.12388915466304	-101.4054098	291969.023963658	4333282.434878217	3358.81728032904	3202.1824117380625	3161.13254276402	3164.827651040381	41.04969461660364	37.3547025308112
303	42	30643	-171621.1413	819457.3170250766	39.12390008417003	-101.4041653	292170.17594634	4333280.47450435	3354.081279678877	3201.561398815533	3159.79884857988	3159.0000715189076	41.762584254386	48.5606816265242
304	42	30644	-170961.1413	819457.3170250766	39.12391250595519	-101.4018398	292371.205597868	4333274.73497414	3352.1729563048	3200.981432037353	3158.7846132145787	3144.2046880192984	42.1968018195662	56.7763513787397
305	42	30645	-170301.1413	819457.3170250766	39.123924118823766	-101.3995143	292572.939657626	4333270.34501134	3352.264173965294	3200.439829	3157.421740484745	3150.3860168072354	43.0180819290555	50.0718176860465
306	42	30646	-169641.1413	819457.3170250766	39.1239356677596	-101.397188	292737.380900958	4333266.3153995965	3321.35399710411	3199.93884404098	3157.022912407444	3159.0393253580408	43.919072	40.89763340460731
307	42	30647	-168981.1413	819457.3170250766	39.12394721	-101.3948353	292974.469812227	4333262.685698133	3318.5890922978658	3202.948468795168	3162.03458488384	3164.686393799444	44.9788158989265	13.796268773235692
308	42	30648	-168321.1413	819457.3170250766	39.123957972962	-101.3925378	293175.965677725	4333258.256992728	3318.5890922978658	3202.948468795168	3162.03458488384	3164.686393799444	45.9788158989265	13.796268773235692
309	42	30649	-167661.1413	819457.3170250766	39.12397012113159	-101.3902123	293376.6425502121	4333254.275977375	3319.3414160197754	3200.86226235159	3159.589682600917	3162.963178036537	46.9752076071099	14.24012541056127
310	42	30650	-167001.1413	819457.3170250766	39.12398150941684	-101.3878868	293577.729203468	4333250.16984206	3320.7175778085	3198.213175788359	3158.301717677478	3160.01496658808	38.19013719716864	20.18653198688986
311	42	30651	-166341.1413	819457.3170250766	39.12399285278537	-101.3855613	293778.815905187	4333246.169922798	3327.549390545187	3197.842297	3160.3312660718443	3159.381255705	37.5110110278569	0
312	42	30652	-165681.1413	819457.3170250766	39.12400415123717	-101.3832358	293979.902773221	4333242.14134361	3328.33856405095	3197.4290652691	3160.5542093145827	3209.0053744825304	36.9575124839516	17.096268773235692
313	42	30653	-165021.1413	819457.3170250766	39.1240154477218	-101.3809103	294180.9884776873	4333238.12536345	3332.124317467672	3197.191390760567	3160.47768170586	3164.686393799444	36.4898122685927	17.096268773235692
314	42	30654	-164361.1413	819457.3170250766	39.12402613390456	-101.3785484	294382.0741416236	4333234.084701143	3334.11780930202	3196.45255049178	3161.235395398981	3162.03458488384	37.5110110278569	17.096268773235692
315	42	30655	-163701.1413	819457.3170250766	39.12403778	-101.3762953	294580.160796897	4333230.65867947	3337.53536114707843	3196.542148804509	3158.88409193126	3178.791420323382	37.791204413620382	17.096268773235692
316	42	30656	-163041.1413	819457.3170250766	39.1240489587642	-101.3739338	294784.2457201432	4333226.028747559	3378.45459082818	3196.2519187107655	3156.106625158026	3181.689367507369	40.14529355273953	14.65220590306943
317	42	30657	-162381.1413	819457.3170250766	39.1240599974414	-101.3716083	294985.3311023433	4333222.001072556	3385.4537670677613	3195.251156532646	3155.30129848574	3190.88213566746	42.1308126684074	534.16002087
318	42	30658	-161721.1413	819457.3170250766	39.1240709869501	-101.3692827	295186.416206067	4333217.93480341	3391.401543261244	3195.7011291090935	3150.896117057931	3198.10129309994	44.8005201516252	0
319	42	30659	-161061.1413	819457.3170250766	39.12408198272898	-101.3669572	295387.50172170636	4333213.94510512	3393.71841473988	3194.436908798491	3146.83946829249	3202.780068982943	48.6006216328202	17.096268773235692
320	42	30660	-160401.1413	819457.3170250766	39.1240925184605	-101.3646317	295588.585972487	4333209.91881635	3395.398263512623	3195.177292	3145.316411848803	3205.2354917368344	52.8608003038963	0
321	42	30661	-159741.1413	819457.3170250766	39.12410378785002	-101.3623078	295789.78785002	4333205.91881635	3398.791248630026	3194.8219630026	3144.91382340491	3208.93270702353	53.82201691426256	13.796268773235692
322	42	30662	-159081.1413	819457.3170250766	39.1241146653204	-101.3599087	295980.75480072	4333201.85011713	3398.672680450103	3194.67413230687	3143.651783712952	3161.014106850784	54.0103503506649	0
323	42	30663	-158421.1413	819457.3170250766	39.12412546969549	-101.3576552	296191.839022714	4333197.83323764	3388.86621864914	3194.415235064993	3192.942262262213	3172.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVasKgr.ft	BREIEVbothKgr.ft	SatThBoth.ft
405	42	30745	-104301.1413	819457.3170250766	39.124858573487465	-101.1669611	312880.0757396606	43238688.234	3280.198752171129	32.127.145752	3106.7494702514444	3108.5511369019355	20.398101271645828
406	42	30746	-103641.1413	819457.3170250766	39.12485649681791	-101.1644353	312881.143355181	43238684.222	3278.505313415051	31.625.6942505817365	3104.6429581701331	3104.4457586991671	19.65213018440045
407	42	30747	-102981.1413	819457.3170250766	39.12487280969795	-101.16231	312882.211947617	43238690.21	3273.877654103679	31.234.2581076587293	3101.575091	3103.351277229603	22.8332149891041
408	42	30748	-102321.1413	819457.3170250766	39.124879667315284	-101.1599484	312883.2797748516	43238656.197540335	3272.1996657301953	3122.850065979109	3099.34057	3100.7867179565987	23.5005135375911
409	42	30749	-101661.1413	819457.3170250766	39.12488661	-101.1576868	313484.3470266284	4323882.185611476	3268.55215899634	3121.48132084444	3096.35973562172	3097.694802391225	25.12204728227888
410	42	30750	-101001.1413	819457.3170250766	39.12489350527512	-101.1553333	313685.4148827968	4323842.173638391	3264.924815422772	3120.159951039547	3093.215489459325	3093.7296595902885	26.12444754629713
411	42	30751	-100341.1413	819457.3170250766	39.12490035687737	-101.1530077	313886.482160991	4323844.16226598	3262.03525123358	3118.8901753479536	3090.164253078137	3091.6867999259168	27.25252269816692
412	42	30752	-99681.1413	819457.3170250766	39.124907163311514	-101.1506821	314087.5497767316	4323840.15082249	3248.693950712658	3117.6695106857237	3087.5517971679137	3088.693176414693	30.1177136900098
413	42	30753	-99021.1413	819457.3170250766	39.1249138	-101.1483566	314288.516730077	4323836.13968077	3247.726489802257	3116.48849665911	3086.205807471554	3086.538580267007	31.26789917254548
414	42	30754	-98361.1413	819457.3170250766	39.124920642173365	-101.146031	314489.629050246	4323832.12835044	3255.61172726599	3115.335219497553	3083.218747178204	3084.665194590355	32.11677472012426
415	42	30755	-97701.1413	819457.3170250766	39.124926731401171	-101.1437055	314680.754905022	4323828.11764372	3245.8334607855177	3114.199567052154007	3081.0359251540007	3083.42506183817	33.13561457973715
416	42	30756	-97041.1413	819457.3170250766	39.12493341114854	-101.1413799	314891.815923158	4323824.10692619	3245.6698085801	3113.072024777901	3079.17704896347	3082.13130567617	33.8949638115611
417	42	30757	-96381.1413	819457.3170250766	39.12494052320617	-101.1390543	315092.8821097363	4323845.70633476	3248.754515386087	3111.9460811960544	3077.578713	3080.55695161228	34.38912953482225
418	42	30758	-95721.1413	819457.3170250766	39.12494706037896	-101.1367288	315293.9841149079	4323816.0859061	3247.840042698368	3110.817184862176	3075.740908573325	3079.37012912865124	35.105995047040114
419	42	30759	-95061.1413	819457.3170250766	39.1249535263321	-101.1344032	315496.0136388053	4323812.075739445	3246.68296994047	3109.681241257187	3073.912521190778	3076.6622998713252	36.1792466486908
420	42	30760	-94401.1413	819457.3170250766	39.12496113781815	-101.132078	315696.078618579	4323808.06	3243.2815822251955	3108.633203514435	3072.0500917676	3076.458912893267	37.4728414465733
421	42	30761	-93741.1413	819457.3170250766	39.12496640238602	-101.1297521	315897.145044043	4323805.85820047	3240.887061509854	3107.370263359563	3070.124239557906	3074.9500857066	37.2549698016243
422	42	30762	-93081.1413	819457.3170250766	39.12497277988456	-101.1274265	316098.210	4323800.064117091	3238.74995077676	3106.189923398567	3068.121377114667	3068.654271662084	38.769990905579814
423	42	30763	-92421.1413	819457.3170250766	39.12497907246534	-101.1251009	316299.275426639	4323806.35685304	3238.619740933226	3104.990455037305	3066.1671239791904	3071.82078176426	38.8233010581267
424	42	30764	-91761.1413	819457.3170250766	39.12498534012586	-101.1227754	316500.3403479005	4323792.027224672	3234.3100029793263	3103.769196811355	3064.206389587164	3070.189113683287	39.33710829787478
425	42	30765	-91101.1413	819457.3170250766	39.12499156286681	-101.1204498	316701.4058089757	4323784.018035197	3243.963562574463	3102.523711	3062.42375695522	3068.170401012233	40.10023846986687
426	42	30766	-90441.1413	819457.3170250766	39.12499710695727	-101.118242	316902.469650777	4323780.08169681	3242.754005454563	3101.25353204684	3060.73898	3066.7812265529714	41.053350551421
427	42	30767	-89821.1413	819457.3170250766	39.125003768692	-101.1165562	317149.354074505	4323777.90017581	3242.4890344073	3099.482034254224	3058.42171642291	3067.925845669239	42.0258624294726
428	42	30768	-89121.1413	819457.3170250766	39.12500991550515	-101.1143731	317304.5982343964	4323775.91493591	3245.461132800395	3098.627785897204	3056.169970556593	3062.194557299922	42.457815100105
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430	42	30770	-87801.1413	819457.3170250766	39.12502200820265	-101.108822	317706.7261	4323767.97465479	3244.40115853460	3095.88731599903	3046.974071730646	3056.2997190140554	43.581029693347
431	42	30771	-87141.1413	819457.3170250766	39.125027596033485	-101.1064964	317907.78976743255	4323765.996492064	3242.875672003411	3094.404713762295	3043.369908726055	3053.134823408547	44.1100504362405
432	42	30772	-86481.1413	819457.3170250766	39.12503386	-101.1041708	318108.853794235	4323759.96040235	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
433	42	30773	-85821.1413	819457.3170250766	39.125039776815	-101.1018453	318309.91690782	4323754.900169865	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
434	42	30774	-85161.1413	819457.3170250766	39.1250451624713684	-101.0995197	318510.973693224	4323754.900169865	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
435	42	30775	-84501.1413	819457.3170250766	39.12505137196965	-101.0971941	318712.042640023	4323747.9351083725	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
436	42	30776	-83841.1413	819457.3170250766	39.1250576706	-101.0948485	318913.1054217066	4323743.92844457	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
437	42	30777	-83181.1413	819457.3170250766	39.125062732125365	-101.092543	319141.1680184324	4323739.9211083725	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
438	42	30778	-82521.1413	819457.3170250766	39.1250683709507	-101.0902174	319315.2304348417	4323735.91413316	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
439	42	30779	-81861.1413	819457.3170250766	39.1250739486062	-101.0878789	319516.292841174	4323731.307	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
440	42	30780	-81201.1413	819457.3170250766	39.12507951781815	-101.085562	319717.35474505	4323727.90017581	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
441	42	30781	-80541.1413	819457.3170250766	39.12508501781156	-101.0832407	319918.1463678474	4323723.89427834	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
442	42	30782	-79881.1413	819457.3170250766	39.12509047693613	-101.0809151	320118.4783626113	4323719.88	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
443	42	30783	-79221.1413	819457.3170250766	39.125096589114189	-101.0785895	320320.53968817344	4323715.88182391	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
444	42	30784	-78561.1413	819457.3170250766	39.12510126042882	-101.0762639	320521.6104266374	4323711.875942033	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
445	42	30785	-77901.1413	819457.3170250766	39.12510658479694	-101.0739384	320722.6624312203	4323707.87017514	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
446	42	30786	-77241.1413	819457.3170250766	39.12511186	-101.0716128	320923.723401281	4323703.865	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
447	42	30787	-76581.1413	819457.3170250766	39.125117896761	-101.069347	321149.354074505	4323699.151831	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
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449	42	30789	-75261.1413	819457.3170250766	39.12512730800806	-101.0646361	321526.9504148329	4323681.84812383	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
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451	42	30791	-73941.1413	819457.3170250766	39.1251378770951	-101.0599849	321929.0258667174	4323683.93156741	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
452	42	30792	-73281.1413	819457.3170250766	39.1251426	-101.0576537	322130.089158162	4323679.43585236	3240.85131832774	3093.026597178976	3040.7557130771847	3050.03311021816	44.26998264
453	42	30793	-72621.1413	819457.3170250766	39.1251478626305	-101.0553373	322331.1456007748	4323675.83	3240.85131832774	3093.026597178976	3040.7557130771847		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
531	42	30871	-121.141133	819457.3170250766	39.125396342820019	-100.8739379	33801.288890027	4323364.012898637	3060.8149648996405	23.73714998809732	2847.654001990115	2847.639959199385	48599961961718	89.51003601709696
532	42	30872	-20461.141133	819457.3170250766	39.125396342820019	-100.8739379	33821.33554589766	4323360.011975338	3058.707140148784	2936.142068720444	2842.544426959617	2842.56254101301836	93.5976173638272	93.57592373020878
533	42	30873	-15861.141133	819457.3170250766	39.1254005264366	-100.8696927	33845.36215350968	4323356.013222709	3068.587068967273	2935.1368969280084	2838.87733113324	2839.2914897821319	98.36455398458457	98.34553984584557
534	42	30874	-19161.141133	819457.3170250766	39.1254005264366	-100.8696927	33816.4250452384	4323340.0150477819	3054.4319691670478	2934.131694587327	2830.8411546875495	2830.696173793205	93.29053909083766	93.24355200480472
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537	42	30877	-17181.141133	819457.3170250766	39.125404262812545	-100.8599844	33929.5666112716	4323340.07	3051.1977757123147	2931.13593480946	2819.0964718880948	2818.42328454262	112.01271158284905	112.6930039848185
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574	42	30914	7238.8867703351	819457.3170250766	39.12541676710208	-100.7747883	346658.1566684149	432198.55685729	3010.5384015318243	2890.010717167166	2825.959647803775	2825.959647803775	62.20329143367	62.20329143367
575	42	30915	7898.8867											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevBothKgs.f	SurfAtm.f	SatThBoth.f
557	42	30987	62018.8586730335	819457.3170250766	39.12522116446613	-100.5809133	363343.9924039058	4313862.494693103	2873.508278124336	2758.9874166868512	2718.55893525272955	2721.478561389515	40.428481.15595576	37.5088054789978
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559	42	30989	62016.8586730335	819457.3170250766	39.12521263267654	-100.5769222	363476.0493705955	4313854.555789864	2872.5480226987107	2756.186537498863	2713.879132812424	2714.84236456452	38.522339362659205	
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562	42	31002	63101.8586730335	819457.3170250766	39.1251994809789	-100.5692584	364349.132997865	4313842.67347074	2872.6283459519154	2752.104792092374	2719.068856484724	2713.8506352846043	33.0359267065984	
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580	42	31020	77188.8586730335	819457.3170250766	39.125112	-100.527425	367967.6122329536	4313771.23146925	2832.75692448676	2729.0189095895	2672.899619244492	273.164797200178	56.1821791450245	55.9172018581837
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586	42	31026	81158.8586730335	819457.3170250766	39.12507796772901	-100.5134726	369173.76270451	4313747.446798326	2828.018401235914	2721.8917411505	2669.629950413534	2671.261141067174	51.19326718602581	51.19326718602581
587	42	31027	81818.8586730335	819457.3170250766	39.12507432164453	-100.5111416	369374.7873383005	4313742.84164035	2822.0609131170963	2719.538097185362	2668.258925816963	2672.30421708006	51.19326718602581	51.19326718602581
588	42	31028	82478.8586730335	819457.3170250766	39.12506873064131	-100.5088204	369575.8118467431	4313739.517040775	2818.11881233564	2666.5758145003046	2666.4774253912814	2672.192783052358	51.7088548225075	51.7088548225075
589	42	31029	83138.8586730335	819457.3170250766	39.12506309471928	-100.5064848	369776.8362285165	4313735.553404375	2816.434384539589	2715.841051675896	2665.02737324877	2664.882829644666	51.8163279	51.958571872123684
590	42	31030	83798.8586730335	819457.3170250766	39.12505741387852	-100.5041693	369977.8604845912	4313731.585043073	2795.621102723954	2716.4812909079	2663.622969014084	2663.4307867642525	52.0054041944489	
591	42	31031	84458.8586730335	819457.3170250766	39.125051688118994	-100.5018473	370178.8846150367	4313727.625	2792.826301731147	2714.158409	2662.17159589219	2662.040362732514	51.48484997791095	52.117776857582
592	42	31032	84998.8586730335	819457.3170250766	39.12504591744072	-100.4995181	370376.908200987	4313723.65133174	2796.494591200309	2722.24777373386	2671.138652577117	271.20881270195535	51.19326718602581	51.19326718602581
593	42	31033	85778.8586730335	819457.3170250766	39.12504010184374	-100.4971325	370580.932899843	4313719.69791819	2792.73252435424	2711.4897261027468	2661.56946763146	2662.8576844043156	50.63204166231056	
594	42	31034	86438.8586730335	819457.3170250766	39.12503424132802	-100.4948467	370781.956254901	4313715.73460751	2802.491374279608	2710.160840575937	2661.678103657356	2660.995472564891	48.48273250965801	45.1635831
595	42	31035	87098.8586730335	819457.3170250766	39.125028335893596	-100.4925414	370982.9788054986	4313711.771	2803.19866580908	2708.8352797234	2662.3246666545	2661.62698851211	46.851293568904	47.2083334602331
596	42	31036	87758.8586730335	819457.3170250766	39.125022385540048	-100.4902158	371184.033906343	4313707.80065211	2801.3781274738164	2706.131787125623	2661.313787125623	2662.83629443394	46.0419061254063	44.67843629421872
597	42	31037	88418.8586730335	819457.3170250766	39.12501639026872	-100.487893	371385.026771859	4313703.84512722	2799.55716846801	2706.198973380197	2663.983033418686	2664.2545884811595	42.210293901451	41.9530378582691
598	42	31038	89078.8586730335	819457.3170250766	39.1250103007623	-100.4855467	371586.5052893123	4313699.862345069	2797.770382047148	2704.8663456376	2664.78611958375	2665.0589905	40.100638726207	
599	42	31039	89638.8586730335	819457.3170250766	39.12500429469911	-100.4832087	371794.213404573	4313695.182717054	2797.11157520615	2704.8663456376	2664.78611958375	2665.0589905	40.100638726207	
600	42	31040	90308.8586730335	819457.3170250766	39.12499813494115	-100.4809136	371988.961714267	4313691.57300254	2798.455357766783	2702.272745	2655.059212037037	2662.14584117028	47.2150242106631	46.9557640234222
701	42	31041												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKt	BR ElevBothKt	SatThkBoth	SatThkBoth
43	43	31123	-343221.1413	820117.3170250766	39.1215836790812	-102.0087915	239883.709998956	3435433.334014498	392.080502570787	3825.317901765994	3795.628315724253	3829.372399410402	29.68947445234676	0
44	43	31124	-342561.1413	820117.3170250766	39.12161137305694	-102.0064662	240084.9184843773	3435249.25884937	3932.67540384709	3824.244532694882	3794.3232103586457	3827.82192	39.32123363661	0
45	43	31125	-341901.1413	820117.3170250766	39.1216394319656	-102.004141	240296.963683847	343525.18378905	3933.270305172467	3823.18095273206	3794.681121535974	3829.16201194231	39.756976150824812	0
46	43	31126	-341241.1413	820117.3170250766	39.1212824027697	-102.0018157	240487.2147020102	3435251.108918375	3932.125857383152	3790.463513259896	3826.11324111327	3812206095716233	39.2822005716233	0
47	43	31127	-340581.1413	820117.3170250766	39.12125144124809	-101.9994904	240688.3612478815	3435157.043727357	3935.500447125546	3821.079311954854	3788.9943385072634	3822.9621968857	32.08497344759053	0
48	43	31128	-339921.1413	820117.3170250766	39.12121459730989	-101.9971651	240889.5081661949	343512.959773919	3938.188114225965	3820.041684330458	3787.5633962442746	381393240694934	38.192236090273286	2.040801864713822
49	43	31129	-339261.1413	820117.3170250766	39.12129770846238	-101.9948399	241090.654827424	343505.885	3940.871752467934	3819.036432256554	3786.1492419481738	38126472174705	32.86440127748165	6.339240513184905
50	43	31130	-338601.1413	820117.3170250766	39.12132077470542	-101.9925146	241291.80112325371	3435041.811295986	3943.55530635962	3817.996771130275	3785.4471935738352	38136234861212920	32.54897659193229	8.364205944877964
51	43	31131	-337941.1413	820117.3170250766	39.121343759073902	-101.9901893	241492.94738078528	343500.733729296	3945.86935929296	3816.242935724647	3784.681121535974	3825.4396256917876	32.30923499976978	11.57652919678567
52	43	31132	-337281.1413	820117.3170250766	39.1213677246314	-101.9878784	241694.05927258915	343406.653514681	3943.43368248141	3815.953537991546	3783.6039564463775	3803.31912099118	32.383851451761638	12.674371451761638
53	43	31133	-336621.1413	820117.3170250766	39.12138970387774	-101.9855387	241895.2390845617	343492.598985139	3942.450581553656	3815.005296704512	3781.9421788913900	3803.365485682825	32.003117812611638	14.63982813683697
54	43	31134	-335961.1413	820117.3170250766	39.12141259058274	-101.9832135	242096.3842882827	343448.516429659	3941.48218254893	3814.024045912668	3778.592616960751	381245994476995	35.4917850365576	16.88180314390729
55	43	31135	-335301.1413	820117.3170250766	39.121435432278155	-101.9808882	242297.5294123926	3434484.4184232	3941.64766071214	3813.049133126364	3772.1545232039757	3784.793389394514	38.948480817088556	28.251746188912897
56	43	31136	-334641.1413	820117.3170250766	39.1214582906388	-101.9785629	242496.67408097568	3434480.730400855	3942.3410288332305	3812.07115513516	3781.4775156150135	3786.5991160191113	35.99999989502674	40.7804498404078
57	43	31137	-333981.1413	820117.3170250766	39.12148098095992	-101.9762376	242699.818942384	3434476.297107252	3943.3603937	3811.104539828893	3784.6428357544582	3781.5911129958974	36.0177037440103	41.18844263317188
58	43	31138	-333321.1413	820117.3170250766	39.12151036790621	-101.9739123	242900.963523858	3434472.22438225	3944.3067650716037	3810.12685862049	3774.35705312189	3739.747531196024	36.7037320585856	42.5238377
59	43	31139	-332661.1413	820117.3170250766	39.12152634986272	-101.97187	243102.107355305	3434468.1792598	3944.08504105906	3809.37179940575	3776.483585856561	3757.918591986996	36.62541354019781	51.2183412059074
60	43	31140	-332001.1413	820117.3170250766	39.1215486710941	-101.9692517	243303.25120416944	3434451.7639515	3942.695384045165	3808.127103422555	3776.878965105892	3758.623136160255	36.4913531646361	49.5039126209998
61	43	31141	-331341.1413	820117.3170250766	39.12157159346185	-101.9669365	243504.39479820943	3434460.07114483	3943.06739644817	3807.077273251853	3740.2213993362023	3756.7627112263754	36.65585734149282	50.3106025027569
62	43	31142	-330681.1413	820117.3170250766	39.12159461612	-101.9646112	243705.5381379511	3434455.930551264	3939.915962367375	3805.968241426663	3741.0559187495674	3755.604666578897	36.504175484477624	51.6884236027569
63	43	31143	-330021.1413	820117.3170250766	39.1216165	-101.9622899	243906.6812236147	3434451.863126048	3937.631	3804.7228781151064	3741.3011092	3754.7899249343026	36.41748390766234	49.93262367180379
64	43	31144	-329361.1413	820117.3170250766	39.1216389565953	-101.9599006	244170.8240553915	3434447.791446826	3934.4525820275435	3803.31806503717	3741.75861952614	3755.639637588702	36.15949458066294	49.7945917447492
65	43	31145	-328701.1413	820117.3170250766	39.12166139171096	-101.9574063	244392.7972522305	3434437.19505564	3933.949483170037	3802.442935340664	3738.2197515287504	3745.15891338969915	36.15949458066294	52.136382291667578
66	43	31146	-328041.1413	820117.3170250766	39.1216837	-101.95531	244510.10851082	3434438.65833455	3928.09546	3739.975397873857	3742.6462765831	3743.594194280043	37.52912162	56.38120345816936
67	43	31147	-327381.1413	820117.3170250766	39.12170602956726	-101.9529847	244711.2510294632	343434.557	3924.704193877385	3743.256902566763	3739.5548934983294	3745.82862099672	38.5692794294535	58.2692794294535
68	43	31148	-326721.1413	820117.3170250766	39.1217285762377	-101.9506594	244912.392475316	3434431.50632579	3921.1413695708	3736.215444644676	3743.893576052971	3737.7775761981	38.13968974149645	58.443968664546
69	43	31149	-326061.1413	820117.3170250766	39.121750500480054	-101.9483341	245113.53411844	3434431.454340427	3917.5268813252383	3734.264967536235	3744.474129	3739.145556752925	49.78881804785351	55.11739002769955
70	43	31150	-325401.1413	820117.3170250766	39.12177267	-101.946008	245314.6757295346	3434423.34399048	3913.9316518954948	3732.289975258568	3741.4725892137004	3736.92674740067107	47.3763831486743	55.36130121581705
71	43	31151	-324741.1413	820117.3170250766	39.12179471916185	-101.9436834	245515.167829137	3434419.294311602	3910.702834681	3730.978784	3739.145556752925	3745.15891338969915	45.15891338969915	52.136382291667578
72	43	31152	-324081.1413	820117.3170250766	39.1218169887628	-101.941351	245716.159475374	3434412.23981108	3907.245164509924	3734.219350539353	3745.113195896584	3739.2689704501586	49.078771970932	49.078771970932
73	43	31153	-323421.1413	820117.3170250766	39.1218390320224	-101.9390328	245911.9801542157	3434411.53383547	3906.50055670035	3736.782852999697	3744.788005	3740.62589571977	41.52028046958587	45.652398
74	43	31154	-322761.1413	820117.3170250766	39.12186089167764	-101.9367075	246119.2385541626	3434407.9386094	3904.244726801457	3734.259102124968	3743.74125205553	3742.618339	40.5116815696367	41.417410299955
75	43	31155	-322101.1413	820117.3170250766	39.1218828351189	-101.9343822	246320.378607201	3434403.014059185	3902.293751865512	3732.217186898944	3742.8731848371503	3745.447205398397	39.34400205974407	36.7699815
76	43	31156	-321441.1413	820117.3170250766	39.12190473369551	-101.9320569	246521.5184083592	3434398.041905907	3900.6475907726524	3730.78102513042	3741.80313026092	3740.8720926398483	36.3277202512824	31.09130961145638
77	43	31157	-320781.1413	820117.3170250766	39.1219265736881	-101.9297178	246722.756595927	3434394.875	3898.00142699194	3738.108627694448	3737.9537579573413	3752.88475153532	37.2512697372781678	32.52451237881678
78	43	31158	-320121.1413	820117.3170250766	39.121948396131096	-101.9274063	246923.7972522305	3434390.85096927	3897.35296894655	3736.215444644676	3738.2197515287504	3745.15891338969915	36.8076570354958	36.8076570354958
79	43	31159	-319461.1413	820117.3170250766	39.12197015989259	-101.9250809	247124.3363053913	3434386.735691439	3895.049357195006	3737.93362313558	3737.355189775565	3738.181494640297	36.5871923799158	37.01578769431266
80	43	31160	-318801.1413	820117.3170250766	39.121991878924156	-101.9227556	247326.051028508	3434382.69	3892.0835710364913	3737.02782474617	3735.831326253172	3752.96154006498	35.98945221444925	38.9424166811901
81	43	31161	-318141.1413	820117.3170250766	39.1220135295468	-101.9204303	247527.2136499233	3434378.598800024	3891.81782635342	3736.69029370889	3735.2571202657255	3747.765396862635	34.4531091051637	21.92483274625577
82	43	31162	-317481.1413	820117.3170250766	39.12203518207441	-101.918105	247728.351946879	3434374.53	3886.15208761073	3737.504118065179	3734.03686627019	3742.77272430797	33.5074314815998	23.59234582099105
83	43	31163	-316821.1413	820117.3170250766	39.1220567662338	-101.9157977	247929.489393065	3434370.641905907	3882.68451519942	3736.39455269479	3734.03686627019	3743.52978524573	23.84091343429905	23.84091343429905
84	43	31164	-316161.1413	820117.3170250766	39.1220783558148	-101.9134533	248130.750749095	3434366.39369192	3876.715126701888	3736.1774337042035	3732.317005	3745.15891338969915	36.80426816593867	24.4217770836165
85	43	31165	-315501.1413	820117.3170250766	39.12210039131096	-101.911129	248326.9456919196	3434362.85096927	3874.271935814883	3734.219350539353	3745.113195896584	3739.2689704501586	24.852720916617738	24.852720916617738
86	43	31166	-314841.1413	820117.3170250766	39.1221214944515	-101.9084037	248532.9026370086	3434358.25717327	3873.049357195006	3734.319096545795	3737.319096545795	3738.636986139673	27.10564717913023	23.89033570280362
87	43	31167	-314181.1413	820117.3170250766	39.122142426	-101.9064784	248734.036857197	3434354.19002155	3866.325502470327	3736.462726948851	3731.670154360267	3743.726151503229	24.792218658	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
169	43	31249	-260601.1413	820117.3170250766	39.12374499	-101.715797	26526.4495	4334021.22828578	3666.55499422542	35329.64905059759	3569.899462152004	3577.9745178989345	0	0
170	43	31250	-259401.1413	820117.3170250766	39.1237669576344	-101.734176	265427.56658616755	4334017.17497251	3665.0029505253163	3536.781757397886	3566.278732448954	3575.1894829672865	0	0
171	43	31251	-258161.1413	820117.3170250766	39.12380301448406	-101.711462	265629.8634	4334013.12153217	3661.2633978545968	3533.861402393098	3562.940576757263	3572.392086462954	0	0
172	43	31252	-256901.1413	820117.3170250766	39.12378788842436	-101.708027	265529.8005485675	4334009.69	3655.335840212612	3531.021526349370	3560.15478	3569.36056832117	0	0
173	43	31253	-257421.1413	820117.3170250766	39.12381543056344	-101.7064953	266030.91644177283	4334005.0160807865	3649.4062825702167	3528.127819783436	3557.7649332260225	3566.994035033787	0	0
174	43	31254	-256761.1413	820117.3170250766	39.123823072773212	-101.7041699	266232.032973431	4334000.963463451	3643.4807249276223	3525.226212480173	3555.505360912667	3564.033662185773	0	0
175	43	31255	-256101.1413	820117.3170250766	39.12383067	-101.701844	266443.148521741	4333999.91019345	3638.412236856126	3522.319001625334	3553.4297469795024	3561.251406438173	0	0
176	43	31256	-25441.1413	820117.3170250766	39.12386778732512	-101.699519	266634.2642152683	4333992.858748467	3634.202818355729	3519.4063376891856	3551.131730469544	3559.033325319106	0	0
177	43	31257	-254781.1413	820117.3170250766	39.12386814975028	-101.697198	266853.3798780316	4333986.906859803	3629.993398655332	3516.48819878434	3548.313714780017	3554.782136846897	0	0
178	43	31258	-254121.1413	820117.3170250766	39.12390246725116	-101.694861	267036.4493102695	4333984.754725473	3625.783961334935	3513.636980550753	3545.1208951801963	3551.96795193224	0	0
179	43	31259	-253461.1413	820117.3170250766	39.12391973985774	-101.692427	267237.6099181854	4333980.702975094	3625.936260326995	3510.6314701094807	3541.904146889346	3548.7222471822885	0	0
180	43	31260	-252801.1413	820117.3170250766	39.1239366753999	-101.6902172	267438.724683984	4333976.651397038	3630.450236779612	3507.6898373229665	3540.505168141499	3546.910683549986	0	0
181	43	31261	-252141.1413	820117.3170250766	39.12395415030788	-101.6878918	267639.8329528777	4333972.599992171	3634.9642132295303	3504.738853152977	3538.178119561728	3543.526198488978	0	0
182	43	31262	-251481.1413	820117.3170250766	39.1239712816136	-101.6855663	267840.95330657043	4333968.548760433	3639.4781896794475	3501.776870371733	3534.8365480510897	3541.3260567045275	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Ln.	BRIElevLogs.ft	BRIElevBothKg.ft	SatHhLogs.ft	SatHhBoth.ft
295	43	31375	-176901.1413	820117.3172050766	39.12561856	-101.4227487	290565.4421369956	4333511.873	3375.718796952606	3372.13196447142	3173.779313992536	334.398824560577	26.77329795491485
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297	43	31377	-175681.1413	820117.3172050766	39.12564254542363	-101.4041836	292174.1521186327	4333479.82659187	3369.226677666245	3367.791841137939	3175.43363116972965	34.33361116972965	8.9569411159485349
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299	43	31379	-174261.1413	820117.3172050766	39.12566636477849	-101.4134825	291369.789772637	4334395.78414052	3358.5484053756076	3304.5238360257687	3162.6372379117256	32.3476787610944	41.88698114061144
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320	43	31400	-160401.1413	820117.3172050766	39.12590552	-101.3646457	295592.61745891743	4333411.13623491	3398.159205373617	3195.670958830678	3147.158630305873	31.8909494581903	68.5123355719479
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336	43	31416	-149841.1413	820117.3172050766	39.12607444652504	-101.3274365	298809.943546552	4333346.21490081	3378.673017440378	3191.397928	3187.2950335068027	31.9318283269578	41.47594232973485
337	43	31417	-149181.1413	820117.3172050766	39.12608472353884	-101.3251173	299010.68479393423	4333342.19247451	3381.649102740454	3193.198529963058	3157.3132956521	31.873112791947	15.867811729384
338	43	31418	-148521.1413	820117.3172050766	39.12609475205274	-101.3227854	299212.1057234458	4333342.19247451	3381.649102740454	3193.198529963058	3157.3132956521	31.873112791947	15.867811729384
339	43	31419	-147861.1413	820117.3172050766	39.12610483884978	-101.3204598	299413.18651139614	4333334.64875953	3377.85180603167	3190.366773	3184.675836487778	32.1556719841798	6.980936134212279
340	43	31420	-147201.1413	820117.3172050766	39.12611487987514	-101.3181342	299614.216710196703	4333330.624618373	3384.007862765915	3190.002737534034	3183.7069984690093	31.87023755165638	2.69033673313014
341	43	31421	-146541.1413	820117.3172050766	39.1261248798879	-101.3158086	299815.3047452956	4333326.6021166	3372.824249701516	3189.628097321827	3182.7545321321	32.0629139217324	6.87561520961857
342	43	31422	-145881.1413	820117.3172050766	39.126134827180586	-101.3134831	299916.4276919175	4333327.6029345	3371.760471534392	3189.2423615891157	3181.844662506971	31.89124938713809	3.73979082144805
343	43	31423	-14										

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatHtLogs.ft	SatHtBoth.ft
421	43	31501	-9371.14313	820117.3172052766	39.12677992746989	-101.1297603	15901.15881792676	4333005.254330773	3242.328031047541	3089.2172664158525	30.840104621923625	31.8735950018582	
422	43	31502	-93691.14133	820117.3172052766	39.12678538129395	-101.1274436	15910.2226215675	4333001.24448595	3308.35852068004	3067.3486524586723	30.73905295827487	30.73905295827487	31.8735950018582
423	43	31503	-93421.14133	820117.3172052766	39.12679167889917	-101.125109	15910.3684683025	4332977.23473778	3340.842068951617	3068.30652919	30.840791059844	30.840791059844	31.8735950018582
424	43	31504	-91761.14133	820117.3172052766	39.1267979658921	-101.122734	15910.3379858321	4332993.25198317	3243.69532329897	3103.58933385896	3063.415596	30.7647512106104	31.9931540780698
425	43	31505	-9101.14133	820117.3172052766	39.1268041885849	-101.1204578	15910.6174815705	4332989.215633203	3246.554400059907	3102.316549505907	3061.5131840194595	30.76016887059218	40.0303653
426	43	31506	-90441.14133	820117.3172052766	39.12681036657001	-101.1181321	15910.68422345076	4332985.208632429	3249.410277286455	3101.025961165112	3059.562919328949	40.46303418361303	31.26821390712279
427	43	31507	-89781.14133	820117.3172052766	39.1268164696307	-101.1158065	15910.7175464382714	4332981.19707089	3248.591393520438	3099.70474850473	3057.4531577296973	40.46303418361303	31.26821390712279
428	43	31508	-89121.14133	820117.3172052766	39.126822587777174	-101.1134809	15910.817081061	4332977.189	3250.083153252026	3088.368914	3054.656939189955	40.46303418361303	31.26821390712279
429	43	31509	-88461.14133	820117.3172052766	39.12682865190419	-101.111552	15910.87540806352	4332973.189071066	3247.0831139178152	3087.002026	3054.656939189955	40.46303418361303	31.26821390712279
430	43	31510	-87891.14133	820117.3172052766	39.12683429234925	-101.1088296	15910.717379744444	4332969.172	3245.553073147004	3065.005178529406	3061.78556122329	40.46303418361303	31.26821390712279
431	43	31511	-87141.14133	820117.3172052766	39.126840508	-101.106504	15910.817081061	4332965.16219376	3243.726367626319	3064.1837019541886	3044.831335862715	40.46303418361303	31.26821390712279
432	43	31512	-86481.14133	820117.3172052766	39.12684649113748	-101.1041784	15910.817081061	4332961.155005469	3241.5829958526692	3062.75225096785	3054.656939189955	40.46303418361303	31.26821390712279
433	43	31513	-86281.14133	820117.3172052766	39.126852354679365	-101.1018527	15910.817081061	4332957.147	3239.439624	3061.2593051361096	3040.966538537775	40.46303418361303	31.26821390712279
434	43	31514	-85161.14133	820117.3172052766	39.12685817330136	-101.0995271	15910.9905464166	4332953.13926503	3237.296252030577	3059.756647541546	3039.8968114202444	40.46303418361303	31.26821390712279
435	43	31515	-84501.14133	820117.3172052766	39.12686394700351	-101.0972015	15910.817081061	4332949.1517424	3236.449447410537	3058.224474839215	3038.889529593806	40.46303418361303	31.26821390712279
436	43	31516	-83841.14133	820117.3172052766	39.12686967578576	-101.0948758	15910.717379744444	4332945.12408704	3231.024077387566	3056.865485766095	3038.144481979128	40.46303418361303	31.26821390712279
437	43	31517	-83181.14133	820117.3172052766	39.1268755964814	-101.0925502	15910.817081061	4332941.177697037	3227.59986803581	3055.0792402658026	3037.4390574669656	40.46303418361303	31.26821390712279
438	43	31518	-82521.14133	820117.3172052766	39.126880959063	-101.0902246	15910.817081061	4332937.109637134	3224.14872867596	3053.4658289339637	3037.0036295241075	40.46303418361303	31.26821390712279
439	43	31519	-81861.14133	820117.3172052766	39.126886859	-101.08789	15910.32095324756	4332933.102663625	3221.4744140317256	3051.826156458135	3036.7185966213515	40.46303418361303	31.26821390712279
440	43	31520	-81201.14133	820117.3172052766	39.12689214711583	-101.0855733	15910.717379744444	4332929.05968672	3219.7567025	3050.16115693121	3035.7467759057414	40.46303418361303	31.26821390712279
441	43	31521	-80541.14133	820117.3172052766	39.12689764588985	-101.0832477	15910.2258629858	4332925.089327122	3217.76349549215	3048.4712414749897	3033.9138179642396	40.46303418361303	31.26821390712279
442	43	31522	-79881.14133	820117.3172052766	39.126903105116354	-101.0809221	15910.2258629858	4332921.083	3215.775246088591	3047.671946080147	3032.944435537855	40.46303418361303	31.26821390712279
443	43	31523	-79241.14133	820117.3172052766	39.12690851920416	-101.0785934	15910.32095324756	4332917.0846323	3214.616867731718	3046.542540572703	3032.154501438237	40.46303418361303	31.26821390712279
444	43	31524	-78561.14133	820117.3172052766	39.12691388970205	-101.0762708	15910.6174815705	4332913.07381432	3213.344553533083	3043.762002038054	3030.352558919171	40.46303418361303	31.26821390712279
445	43	31525	-77901.14133	820117.3172052766	39.12691921342999	-101.0739452	15910.6174815705	4332909.06434586	3212.354274666833	3042.73969758044	3030.898685410747	40.46303418361303	31.26821390712279
446	43	31526	-77241.14133	820117.3172052766	39.12692440301293	-101.0716195	15910.32095324756	4332905.08666922	3211.3639639735337	3040.668232364782	3030.88325795361	40.46303418361303	31.26821390712279
447	43	31527	-76581.14133	820117.3172052766	39.1269292776586	-101.0692939	15910.2258629858	4332901.0306425	3209.9837450221623	3039.477258388826	3030.3367043461457	40.46303418361303	31.26821390712279
448	43	31528	-75921.14133	820117.3172052766	39.12693491741881	-101.0669833	15910.32095324756	4332897.047637904	3208.2116934361056	3038.967075924637	3030.5917778731	40.46303418361303	31.26821390712279
449	43	31529	-75261.14133	820117.3172052766	39.12694062241774	-101.064628	15910.32095324756	4332893.08379813	3207.4402836196324	3038.116861732793	3030.542540572703	40.46303418361303	31.26821390712279
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451	43	31531	-73941.14133	820117.3172052766	39.12695021712752	-101.0599914	15910.32095324756	4332885.03275994	3205.95479343072	3036.91242383323	3030.68217333193	40.46303418361303	31.26821390712279
452	43	31532	-73281.14133	820117.3172052766	39.12695522179035	-101.0576567	15910.32095324756	4332881.07312325	3204.299741801931	3036.3914815271432	3030.521034304884	40.46303418361303	31.26821390712279
453	43	31533	-72621.14133	820117.3172052766	39.12696019233315	-101.0553401	15910.32095324756	4332877.03057595	3199.641124	3035.4673718752565	3030.636365696253	40.46303418361303	31.26821390712279
454	43	31534	-71961.14133	820117.3172052766	39.1269651125591	-101.0530145	15910.2258629858	4332873.018655073	3198.4489301210673	3035.1534918533145	3030.5718671926	40.46303418361303	31.26821390712279
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456	43	31536	-70641.14133	820117.3172052766	39.1269748182416	-101.048362	15910.32095324756	4332865.01083335	3196.542540572703	3034.154501438237	3030.542540572703	40.46303418361303	31.26821390712279
457	43	31537	-69981.14133	820117.3172052766	39.12697960370375	-101.0460375	15910.32095324756	4332861.06474109	3195.088502904363	3033.89601884053	3030.816571776554	40.46303418361303	31.26821390712279
458	43	31538	-69321.14133	820117.3172052766	39.12698434	-101.0437119	15910.32095324756	4332857.00275961	3194.8580462	3034.575292157966	3030.1061074506647	40.46303418361303	31.26821390712279
459	43	31539	-68661.14133	820117.3172052766	39.12698903867074	-101.0413863	15910.32095324756	4332853.999	3193.5715181092146	3034.575292157966	3030.1061074506647	40.46303418361303	31.26821390712279
460	43	31540	-68001.14133	820117.3172052766	39.1269936057294	-101.039006	15910.32095324756	4332849.95380394	3192.75373878489	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
461	43	31541	-67341.14133	820117.3172052766	39.1269982963549	-101.036735	15910.32095324756	4332845.99285944	3191.9159864791	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
462	43	31542	-66681.14133	820117.3172052766	39.12700325721692	-101.0344094	15910.32095324756	4332841.99052465	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
463	43	31543	-66021.14133	820117.3172052766	39.1270081275837	-101.032118	15910.32095324756	4332837.99052465	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
464	43	31544	-65361.14133	820117.3172052766	39.1270118441037	-101.0297581	15910.32095324756	4332833.98403767	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
465	43	31545	-64701.14133	820117.3172052766	39.12701627	-101.0274324	15910.32095324756	4332829.98151672	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
466	43	31546	-64041.14133	820117.3172052766	39.1270216514633	-101.0251068	15910.32095324756	4332825.98151672	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
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468	43	31548	-62721.14133	820117.3172052766	39.127032970663376	-101.0204555	15910.32095324756	4332817.97480249	3191.58825547037	3034.6119019647494	3030.1061074506647	40.46303418361303	31.26821390712279
469</													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfHtLogKrg.ft	SurfHtBothKrg.ft
547	31627	-10801.141327	-820117.7170250766	39.12272634669017	-100.8367293	341224.080158022	4323501.356025855	3002.859206238614	2242.24549	2842.32654387034	2842.24549	2842.32654387034	78.878164731362	78.5004150532635
548	31628	-9901.141327	-820117.7170250766	39.12727043437834	-100.8344037	341435.0520031475	43349737368	3048.4879938012914	2242.72478903248	2837.239662062617	2837.239662062617	2837.239662062617	82.234368436958	82.234368436958
549	31629	-9261.141327	-820117.7170250766	39.127278819718484	-100.832078	341626.3556971267	4324933738497	3048.11678697717843	2242.912685717843	2837.0426633210822	2837.0426633210822	2837.0426633210822	87.38373230401981	87.38373230401981
550	31630	-8601.141327	-820117.7170250766	39.127278819718484	-100.827504	341837.1395142352	432489391	3042.74550012651514	218.2142041777814	2837.030376854746	2826.942025096825	80.7836642930354	91.27275179090565	91.27275179090565
551	31631	-7941.141327	-820117.7170250766	39.12272887	-100.8247627	342038.18308338535	4324854036331	3039.959523595833	21916.960052147824	2826.5370573563423	2826.5370573563423	80.42299479164202	90.8240357674932	90.8240357674932
552	31632	-7281.141327	-820117.7170250766	39.12272986022925	-100.8251011	342239.2264058434	4324814195673	3037.758703396853	2827.0409231868475	2827.0409231868475	2827.0409231868475	88.5592327017824	88.5592327017824	88.5592327017824
553	31633	-6621.141327	-820117.7170250766	39.12272986912779	-100.8227754	342440.2669481923	4323477428545833	3035.55610171039	2914.3589648505709	2828.6557484972058	2828.6557484972058	86.1740463951879	85.7043706891446	85.7043706891446
554	31634	-5961.141327	-820117.7170250766	39.12273026912209	-100.8204948	342641.3126871214	432347431122098	3033.354914720592	2913.11585004143	2829.36029452529	2829.36029452529	83.7555551687421	83.6306710939247	83.6306710939247
555	31635	-5301.141327	-820117.7170250766	39.122730670579806	-100.8181241	342842.3556971267	432468454	3031.41903813387	2911.83734303438	2828.24204081536	2828.24204081536	82.9480251190295	82.4550104	82.4550104
556	31636	-4641.141327	-820117.7170250766	39.12273101	-100.8157583	343043.3983337448	43246546696758	3029.7487332917304	2910.566251204385	2828.4320238934755	2828.4320238934755	82.12701225959	81.9843890437345	81.9843890437345
557	31637	-3981.141327	-820117.7170250766	39.1227313024159	-100.8134728	343244.24004566525	432461480146287	3020.874277700404	2909.26837	2826.765430316812	2826.765430316812	82.829017033811	82.3950233614838	82.3950233614838
558	31638	-3321.141327	-820117.7170250766	39.12273155084362	-100.811472	343445.48340716783	43245743949468	3026.40122248378	2910.05842221022	2824.4645847315232	2824.4645847315232	83.55125747	83.53024389190796	83.53024389190796
559	31639	-2661.141327	-820117.7170250766	39.1227315	-100.8088215	343646.5257051237	432453507	3024.061470789554	2906.7493333645544	2821.6108361746784	2821.6108361746784	85.1385200047802	85.1385200047802	85.1385200047802
560	31640	-2001.141327	-820117.7170250766	39.12273191308599	-100.8064959	343847.5675870723	43244952070768	3021.496114	2905.486948628403	2819.33632327318645	2819.33632327318645	86.35452369825	86.35452369825	86.35452369825
561	31641	-1341.141327	-820117.7170250766	39.1227320082652	-100.8041702	344048.6998441783	4324453462604	3018.7762170195847	2904.2291788977944	2818.532778977944	2818.532778977944	87.0540489475963	86.94462044866041	86.94462044866041
562	31642	-681.141327	-820117.7170250766	39.1227320944609	-100.8018445	344249.6915	43244158911583	3016.003077116401	2902.976323663501	2819.91198009678	2819.91198009678	87.0413435771787	83.158809182022	83.158809182022
563	31643	-114.123693	-820117.7170250766	39.12273211954527	-100.7995189	344450.6937345347	43243756291311	3015.146812217529	2901.728378121582	2822.783751836018	2822.783751836018	86.428622556403	78.789914848675	78.789914848675
564	31644	638.58673033514	-820117.7170250766	39.12273232581965	-100.7971932	344651.7349136544	432433571671249	3016.034725227369	2900.4857	2825.1297361257057	2825.1297361257057	75.3544612818438	74.89913732149125	74.89913732149125
565	31645	1298.58673033514	-820117.7170250766	39.12273232581965	-100.7948676	344852.7763005828	4324329591071376	3016.923637	2899.246681003459	2825.828918356317	2825.828918356317	73.47176265	72.8836604433871	72.8836604433871
566	31646	1988.58673033514	-820117.7170250766	39.12273192171944	-100.7925419	345053.8175363533	4324325.60411694	3017.12549315251	2898.0217800441184	2825.0269369716343	2825.0269369716343	72.8401743695411	72.5204417058093	72.5204417058093
567	31647	2618.58673033514	-820117.7170250766	39.12273176936365	-100.7902163	345254.858621205	4324321.62129189	3017.462289785294	2896.781124998397	2823.527187573472	2823.527187573472	72.596036636796	72.596036636796	72.596036636796
568	31648	3278.58673033514	-820117.7170250766	39.12273155522705	-100.787906	345455.895553267	4324317.636342854	3015.872858312456	2895.56758135249	2821.984573626438	2821.984573626438	72.015022677097	73.437136352605	73.437136352605
569	31649	3938.58673033514	-820117.7170250766	39.1227313024159	-100.7855915	345649.319680484	4324315.6885487	3015.284256895487	2894.38213897128	2819.6202369389	2819.6202369389	72.013359724154	72.013359724154	72.013359724154
570	31650	4598.5867303351	-820117.7170250766	39.12273102063715	-100.7832393	345857.8080725558	4324309.6685461	3012.639535387676	2893.119421931883	2820.710792036715	2820.710792036715	72.01758017087	72.01758017087	72.01758017087
571	31651	5258.5867303351	-820117.7170250766	39.1227308191244	-100.7809137	346059.0214554786	4324305.485215785	3011.0027390569408	2891.8071158305935	2820.91218388285	2820.91218388285	72.0194921882033	70.85675737075098	70.85675737075098
572	31652	5918.5867303351	-820117.7170250766	39.122730312594	-100.778588	346260.018	4324301.68720405	3009.200587327505	2889.69864929155	2821.208275881509	2821.208275881509	69.4907106114268	69.311454827216	69.311454827216
573	31653	6578.5867303351	-820117.7170250766	39.122729887930166	-100.7762624	346461.101972364	4323397.71418434	3007.416577	2889.4945053969375	2821.3315015857006	2821.3315015857006	68.004653657472	68.004653657472	68.004653657472
574	31654	7238.5867303351	-820117.7170250766	39.122729417678905	-100.7739367	346662.1420047816	4323393.73	3006.6235934939	2888.203628	2821.2039467834516	2821.2039467834516	67.177728506666	67.0892131812846	67.0892131812846
575	31655	7898.5867303351	-820117.7170250766	39.1227290253131	-100.7716113	346863.1819	4323297.74615158	3005.798138645	2887.2984553040306	2820.87113864128	2820.87113864128	65.223181995656	65.223181995656	65.223181995656
576	31656	8558.5867303351	-820117.7170250766	39.1227283424617	-100.7695934	347064.221627408	4323293.76237277	3004.026901937407	2886.2625513373	2821.0265437101226	2821.0265437101226	64.1377280291776	65.0146321091746	65.0146321091746
577	31657	9218.5867303351	-820117.7170250766	39.1227277347438	-100.7669598	347265.266	4323281.77962098	3002.596021214825	2884.706537410829	2820.9742905009608	2820.9742905009608	63.8242776315796	63.8242776315796	63.8242776315796
578	31658	9878.5867303351	-820117.7170250766	39.12272706755096	-100.7646341	347462.306510523	4323377.7962098	3000.9531509046	2883.516631184777	2820.6894248628164	2820.6894248628164	62.7091212506126	62.90950857501548	62.90950857501548
579	31659	10538.5867303351	-820117.7170250766	39.12272639273524	-100.7623085	347667.3398149733	4323373.81312862	3000.4923364247628	2882.14243603118404	2820.069453454506	2820.069453454506	62.259068639678	62.30632725666935	62.30632725666935
580	31660	11198.5867303351	-820117.7170250766	39.122725928481	-100.7599828	347868.3790832828	4323369.83021004	2995.4097595781264	2881.328135001065	2819.2617506317897	2819.2617506317897	62.07913584860335	62.07913584860335	62.07913584860335
581	31661	11858.5867303351	-820117.7170250766	39.1227248631384	-100.7576571	348089.4180766791	4323365.84783105	2995.176154941917	2879.5640849611726	2817.9434237897794	2817.9434237897794	62.01860111739317	62.02006736262023	62.02006736262023
582	31662	12518.5867303351	-820117.7170250766	39.122724372225	-100.755315	348270.4582221905	4323361.840151528	2995.307025029057	2878.76265513373	2816.78125611556	2816.78125611556	62.0213359724154	62.0213359724154	62.0213359724154
583	31663	13178.5867303351	-820117.7170250766	39.1227236141026	-100.7530058	348471.49562010914	4323359.189895574	2994.9178382995674	2877.56930895674	2815.4308743151096	2815.4308743151096	62.0255347042897	62.0255347042897	62.0255347042897
584	31664	13838.5867303351	-820117.7170250766	39.1227224477762	-100.7506802	348672.5341705516	4323353.90028963	2994.65437356078	2876.385411924412	2814.259405059499	2814.259405059499	62.12592132491318	62.12592132491318	62.12592132491318
585	31665	14498.5867303351	-820117.7170250766	39.122721804244	-100.7483545	348873.527537053	4323349.81233194	2993.0967630593626	2875.1909300593626	2813.4522048010713	2813.4522048010713	61.6291477686659	61.6291477686659	61.6291477686659
586	31666	15158.5867303351	-820117.7170250766	39.122720271150726	-100.7460239	349078.4160299114	4323345.96344208	2992.18916149078	2873.99201388846	2812.9826383394524	2812.9826383394524	61.10106304393466	61.10106304393466	61.10106304393466
587	31667	15818.5867303351	-820117.7170250766	39.12271912695642	-100.7437032	349275.6489382386	4323341.94248434	2991.04129017136684	2872.790239148637	2812.5261417159604	2812.5261417159604	60.654854747643	60.654854747643	60.654854747643
588	31668	16478.5867303351	-820117.7170250766	39.1227181784104	-100.741376	349476.78016717316	4323337.57036782	2990.76791322559	2871.5834250691273	2812.437474044637	2812.437474044637	60.194608725956	60.194608725956	60.194608725956
589	31669	17138.586730335												

ix	iy	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVELogsKg.f	BREVEBothKg.f	SatThBoth.f	
673	43	31753	7257.85867307335	202117.3170250766	39.2696050891806	-105.436977	66664.9998	4323000.161949356	2857.55941322154	2737.7683474028336	2681.5457587065516	56.222888996281946	51.501914942800995
674	43	31754	7232.85867307335	202117.3170250766	39.269555	-105.431721	66676.425885971	431956.19489189	2851.995337591033	2736.541517360006	2679.353671555671	56.28621961058455	53.6806110333333
675	43	31755	7269.85867307335	202117.3170250766	39.2696050891806	-105.436977	66664.9998	4323000.161949356	2857.55941322154	2737.7683474028336	2681.5457587065516	56.222888996281946	51.501914942800995
676	43	31756	7455.85867307335	202117.3170250766	39.2694548733664	-105.536708	66716.477734214	431986.261576567	2844.36313233229	2734.065946423329	2675.382405767638	56.8345066475422	57.6004760330246
677	43	31757	7521.85867307335	202117.3170250766	39.269403931152	-105.534392	66738.3034656181	431984.295124096	2841.1299898096057	2732.781757301708	2674.1983712391538	56.8340406255402	57.5943683239236
678	43	31758	7587.85867307335	202117.3170250766	39.2693524833636	-105.5320695	66759.526087634	431980.32848037	2837.89645769037	2732.4546908112	2673.137637724822	56.78462031763466	57.58946536775606
679	43	31759	7653.85867307335	202117.3170250766	39.2693006	-105.5274139	66770.554543878	431976.36272786	2830.745498975604	2730.0976573406538	2672.8356673406538	56.734146873417485	57.25910051741312
680	43	31760	7719.85867307335	202117.3170250766	39.2692482971603	-105.5274139	66791.57899117154	431972.36781932	2828.746482104143	2728.733598163329	2671.732598163329	56.719213922283915	55.94219710719115
681	43	31761	7789.85867307335	202117.3170250766	39.269195	-105.525626	66817.720511084425	431968.431002621	2827.7605182216898	2727.673809158974	2670.673809158974	56.719213922283915	55.94219710719115
682	43	31762	7851.85867307335	202117.3170250766	39.269142133576	-105.522767	66837.5320310095	431954.46539179	2826.734973532253	2726.016225922686	2670.268113395954	56.719213922283915	55.94219710719115
683	43	31763	7917.85867307335	202117.3170250766	39.2690884840686	-105.5204414	66857.65516814624	431946.49962466	2821.975455055688	2724.6375843179203	2670.83019020789	56.72896860915153	57.14078922904096
684	43	31764	7938.85867307335	202117.3170250766	39.2690343375604	-105.5181157	66875.6800061864	431952.534949308	2822.878533237463	2723.275845227057	2672.733028183703	56.72896860915153	57.14078922904096
685	43	31765	7948.85867307335	202117.3170250766	39.2689799690586	-105.5157901	66897.76471742307	431956.539634404	2823.781575590095	2721.6166870456856	2671.444866734076	56.714130403382692	57.14078922904096
686	43	31766	7958.85867307335	202117.3170250766	39.2689249566573	-105.5134645	66917.723026023	431948.640604422	2824.684165589016	2720.56023532692	2669.8620606254704	56.68262717968181	57.096826470022176
687	43	31767	7968.85867307335	202117.3170250766	39.26886949677	-105.511388	66937.7537060379	431944.63994722	2820.718621544184	2719.206822872504	2668.196297942534	56.6737079497597	57.05225082974104
688	43	31768	7978.85867307335	202117.3170250766	39.268815831597	-105.5088132	66957.78902366	431940.673111235	2819.263456240298	2718.785345917685	2666.4674097816723	56.6647140715142	57.05225082974104
689	43	31769	7988.85867307335	202117.3170250766	39.2687572251256	-105.5054876	66978.802294356	431936.710860460	2818.348565737485	2717.507961957328	2665.030557314287	56.6472518765653	57.05225082974104
690	43	31770	7998.85867307335	202117.3170250766	39.2687004126664	-105.5041619	66991.8263787277	431932.746637264	2790.43354534982	2715.163024	2663.478229258906	56.635931686191	57.05225082974104
691	43	31771	8008.85867307335	202117.3170250766	39.2686431536217	-105.5018363	67012.85033432426	431928.725525992	2787.324814967367	2713.81272358958	2662.124880078316	56.61890171018036	57.05225082974104
692	43	31772	8018.85867307335	202117.3170250766	39.2685854536217	-105.4995107	67033.87416278734	431920.85187605	2780.01290456057	2712.48225804507	2661.3834415822335	56.6121600670674	57.05225082974104
693	43	31773	8028.85867307335	202117.3170250766	39.2685287287355	-105.4971851	67054.8978666143	431912.854891701	2774.720237355623	2711.14737448516	2660.145904205956	56.604235323525	57.05225082974104
694	43	31774	8038.85867307335	202117.3170250766	39.268468812947	-105.4948594	67075.9241461754	431916.81346695	2769.187010415663	2710.146376781195	2660.2421336324	56.604235323525	57.05225082974104
695	43	31775	8048.85867307335	202117.3170250766	39.268410818989	-105.492578	67096.93818989	431910.94935321	2768.406784186413	2709.56827028434	2659.3898731404392	56.604235323525	57.05225082974104
696	43	31776	8058.85867307335	202117.3170250766	39.26835012041774	-105.490292	67117.9823025291	431905.9646778	2767.89462405017	2708.16258283834	2658.402714935424	56.604235323525	57.05225082974104
697	43	31777	8068.85867307335	202117.3170250766	39.26829016618174	-105.4878285	67138.98194367984	431891.00591771	2767.15951944847	2707.852470309073	2657.408608777602	56.604235323525	57.05225082974104
698	43	31778	8078.85867307335	202117.3170250766	39.26823297627479	-105.4855569	67159.0045174847	431891.00591771	2767.15951944847	2707.852470309073	2657.408608777602	56.604235323525	57.05225082974104
699	43	31779	8088.85867307335	202117.3170250766	39.2681689	-105.4832313	67179.014749484	431891.00591771	2767.15951944847	2707.852470309073	2657.408608777602	56.604235323525	57.05225082974104
700	43	31780	8098.85867307335	202117.3170250766	39.268107608261	-105.480957	67192.063086748	431883.11340291	2762.321894014417	2707.140500713135	2652.18049719566	56.604235323525	57.05225082974104
701	43	31781	8108.85867307335	202117.3170250766	39.2680465972938	-105.47868	67210.5885972536	431875.11908711	2758.406784186413	2706.56827028434	2651.891451304507	56.604235323525	57.05225082974104
702	43	31782	8118.85867307335	202117.3170250766	39.2679854552452	-105.476545	67229.10565734	431867.1879334	2757.186258214185	2705.8927814185	2650.77962027276	56.604235323525	57.05225082974104
703	43	31783	8128.85867307335	202117.3170250766	39.2679240076105	-105.4743828	67248.128094766	431859.226728151	2756.02213057248	2705.186258214185	2650.77962027276	56.604235323525	57.05225082974104
704	43	31784	8138.85867307335	202117.3170250766	39.267861909903	-105.4722376	67267.1581026884	431851.27648134	2754.778816436912	2704.43354534982	2650.77962027276	56.604235323525	57.05225082974104
705	43	31785	8148.85867307335	202117.3170250766	39.2678036117275	-105.4699275	67286.172624063	431843.303123517	2753.48519336237	2703.681650456937	2650.77962027276	56.604235323525	57.05225082974104
706	43	31786	8158.85867307335	202117.3170250766	39.2677430641536	-105.467619	67305.1947420034	431835.34157653	2752.59192202317	2702.814637144276	2650.77962027276	56.604235323525	57.05225082974104
707	43	31787	8168.85867307335	202117.3170250766	39.267684917946	-105.4653268	67324.269721699	431827.3809351	2751.89462405017	2702.0305713135	2650.77962027276	56.604235323525	57.05225082974104
708	43	31788	8178.85867307335	202117.3170250766	39.26762617336	-105.463043	67343.33333333333	431819.418510871	2751.048192340507	2701.248192340507	2650.77962027276	56.604235323525	57.05225082974104
709	43	31789	8188.85867307335	202117.3170250766	39.267567579327	-105.460765	67362.3007777278	431811.45471875	2750.271608286958	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
710	43	31790	8198.85867307335	202117.3170250766	39.267508413196	-105.458494	67381.40021885399	431803.49706661	2749.501236541268	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
711	43	31791	8208.85867307335	202117.3170250766	39.2674468413196	-105.4562138	67400.221853969	431795.43664484	2748.730726354184	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
712	43	31792	8218.85867307335	202117.3170250766	39.26738513196	-105.4540328	67419.2303314784	431787.53664484	2747.9632451268	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
713	43	31793	8228.85867307335	202117.3170250766	39.2673240314784	-105.451851	67438.2403314784	431779.63664484	2747.1932451268	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
714	43	31794	8238.85867307335	202117.3170250766	39.2672629075455	-105.4496728	67457.269075455	431771.73664484	2746.46371608286958	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
715	43	31795	8248.85867307335	202117.3170250766	39.26720169581	-105.447491	67476.296721699	431763.809351	2745.730726354184	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
716	43	31796	8258.85867307335	202117.3170250766	39.267140311754	-105.445309	67495.269721699	431755.89462405017	2745.001236541268	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
717	43	31797	8268.85867307335	202117.3170250766	39.26707909903	-105.4431701	67514.002188539	431747.9632451268	2744.271608286958	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
718	43	31798	8278.85867307335	202117.3170250766	39.26701769646	-105.4410151	67533.00777278	431739.73664484	2743.541268	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
719	43	31799	8288.85867307335	202117.3170250766	39.266956149853	-105.4388569	67552.03077278	431731.73664484	2742.811473	2700.46371608286958	2650.77962027276	56.604235323525	57.05225082974104
720	43	31800	8298.85867307335	202117.3170250766	39.26689462406	-105.4366918	67571.041118905	431723.73664484	2742.0811473	2700.46371608286958	2650.7796		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
59	44	31879	-328661.1413	820777.3170250766	39.1233388403953	-107.1761761	243106.1859786522	4343669.482194356	3938.9349316904854	3948.919895549595	3740.876370634403	3755.880259609783	67.54361496019192	52.53972588481187
60	44	31880	-329001.1413	820777.3170250766	39.12336146075871	-107.5969207	243307.329646575	4343665.35532894	3938.235054271983	3907.369912551195	3741.594182	3757.51344820526816	68.77550934890956	49.85624305216661
61	44	31881	-329341.1413	820777.3170250766	39.12339403536687	-107.8669454	243508.4739002069	4343661.383054593	3937.9316237685481	3893.211314774716	3741.7442707516854	3758.702351684547	64.49027656958827	51.1007350961919
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64	44	31884	-329361.1413	820777.3170250766	39.123451482524956	-107.9598983	244111.0717533943	4343649.06692106	3932.775254762114	3802.411246632382	3741.6703158935484	3740.155010816474	60.4381897973373	62.25911368408305
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66	44	31886	-328041.1413	820777.3170250766	39.1234962394113	-107.9563386	244514.186316485	4343640.93222349	3927.826653257064	3798.184667091478	3742.3624895903024	3741.694490811465	56.923771167817	57.87397598394916
67	44	31887	-327381.1413	820777.3170250766	39.12351652728238	-107.9530133	244715.32800772802	4343636.851780236	3926.125674743578	3797.61183265218	3742.891438538464	3739.623827104983	54.5423475257381	57.922616017872
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81	44	31901	-318141.1413	820777.3170250766	39.12382410897815	-107.920228	247516.047413289	4343578.689393039	3892.847198454578	3769.81468925982	3731.1688529895443	3729.6787414	25.23612805722048	27.78819231534845
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84	44	31904	-316161.1413	820777.3170250766	39.123890812630336	-107.9134819	248134.701900372	4343567.630400895	3880.856573381456	3763.0685193022346	3731.179562470302	3734.552561435386	31.89756031932572	28.5195676848566
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87	44	31907	-314181.1413	820777.3170250766	39.12395516268827	-107.9065876	248738.112537574	4343551.988939671	3869.780381926863	3756.4087681926863	3731.9748469978	3732.6787414	25.23612805722048	27.78819231534845
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98	44	31918	-306921.1413	820777.3170250766	39.12418765465872	-107.8809264	250950.6024217516	4343510.72435222	3821.7390313347405	3729.863732006948	3710.3294226369472	3718.9328755234023	20.5718955205416	13.46158985770746
99	44	31919	-306261.1413	820777.3170250766	39.12420852081797	-107.878601	251155.7361336233	4343506.65575315	3817.741474	3727.36137848567	3708.3782276365555	3715.6939131295326	19.93701021101102	11.62224171030442
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101	44	31921	-304941.1413	820777.3170250766	39.12425016329671	-107.873913	251568.7986161862	4343498.789819671	3812.780381926863	3741.071468597047	3705.4087681926863	3712.81108598917	17.5723344074922	14.7623345724506
102	44	31922	-304281.1413	820777.3170250766	39.1242704981925	-107.8716248	251765.1365218958	4343494.46080327	3805.891021026348	3741.00007928358	3715.1290239460494	3720.0400897858	17.5723344074922	14.7623345724506
103	44	31923	-303621.1413	820777.3170250766										

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEveLogKg.f	BRLEveLogKg.f	SatThkLog.f	SatThkBoth.f
185	48	32005	-249501.1413	820777.3170250766	39.12583498850007	-101.6786118	26848.44510118183	4334157.642554641	3640.929773444197	3493.4109104725135	3526.999194254687	3536.514058365046	0
186	44	32006	-248841.1413	820777.3170250766	39.12585194712496	-101.6762863	26849.4642	4334153.591790116	3637.654647669832	3490.429165308773	3524.375128	3533.79109634304	0
187	44	32007	-248181.1413	820777.3170250766	39.12586803634174	-101.6763608	26850.577227477	4334149.541198953	3632.26143186177482	3487.4413186177482	3521.8531985324167	3531.306786371004	0
188	44	32008	-247521.1413	820777.3170250766	39.12588572662764	-101.6716533	26857.6989726916	4334150.907401164	3715.49053633462	3464.4474981872743	3518.896649527567	3527.955652544224	0
189	40	32009	-246861.1413	820777.3170250766	39.12590523530534	-101.6693098	26925.80256284285	4334141.4405366015	3617.2399523685463	3481.4479810918947	3514.5846481409917	3524.38428242498	0
190	44	32010	-246201.1413	820777.3170250766	39.12591933246724	-101.6669842	26943.5149043928	4334137.390440499	3609.720994034447	3478.4249862558054	3511.033675142472	3520.442704	0
191	44	32011	-245541.1413	820777.3170250766	39.125936665113326	-101.6645887	26965.0289	4334133.341	3602.695044041018	3475.432478433648	3507.3886021288363	3516.1990637864074	0
192	44	32012	-24481.1413	820777.3170250766	39.125962755643574	-101.6623332	26986.1387257462	4334129.291	3596.142166278147	3472.416960359651	3503.808545116493	3511.311534089896	0
193	44	32013	-24421.1413	820777.3170250766	39.12596899895792	-101.6600077	27007.2504448784	4334125.241291696	3589.587628517282	3469.396460249844	3500.247518278511	3507.122531519346	0
194	44	32014	-243561.1413	820777.3170250766	39.1259899915634	-101.6576282	27028.361737705	4334121.19137073	3583.034907559104	3466.92701579025	3496.559651493343	3502.869578330985	0
195	44	32015	-242901.1413	820777.3170250766	39.12600525353883	-101.6553657	27049.4729016229	4334117.142709008	3581.727088539486	3463.3446509702	3492.687752670516	3498.634021438968	0
196	44	32016	-242241.1413	820777.3170250766	39.12601906300535	-101.6530311	27060.583396427	4334113.09367591	3585.670482811678	3460.3110524149897	3488.54567803344	3493.951393260257	0
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198	44	32018	-240921.1413	820777.3170250766	39.12605194719026	-101.6483801	271062.80519470374	4334104.996134552	3593.556030727137	3454.2373333736787	3479.2844411727807	3479.283363908315	0
199	44	32019	-240261.1413	820777.3170250766	39.12606831959066	-101.6460546	271263.91529475374	4334100.947622925	3593.422105077729	3451.196405498395	3474.1043145025893	3474.285349458117	0
200	44	32020	-239601.1413	820777.3170250766	39.12608461711092	-101.6437291	271465.02532749093	4334096.899284543	3589.2114781198327	3448.1520228119997	3469.2801234540233	3474.16408937887	0
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202	44	32022	-238281.1413	820777.3170250766	39.12611717657511	-101.639078	271867.2448157134	4334088.803125488	3580.7922304042	3442.0587	3460.1613820990324	3464.972901321695	0
203	44	32023	-237621.1413	820777.3170250766	39.12613371628846	-101.6367525	272068.564176376	4334084.755360808	3577.6575824786314	3439.008132	3455.9389443468613	3460.690015442502	0
204	44	32024	-236961.1413	820777.3170250766	39.126149521766386	-101.634427	272269.463023681	4334080.70611352	3575.60214904356	3435.9603597517171	3451.9493820478383	3456.408533434357	0
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207	44	32027	-234981.1413	820777.3170250766	39.126197872681324	-101.6274816	272872.7895452095	4334068.564	3569.791141	3427.75809153433	3441.3775809153433	3442.1074253383	0
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213	44	32033	-231021.1413	820777.3170250766	39.126292585	-101.6136876	274079.43529475374	4334044.287	3582.291465518073	3409.426823674115	3424.2925021659	3430.396081982193	0
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218	44	32038	-227721.1413	820777.3170250766	39.12637091	-101.6018695	27504.967061078595	4334024.058089017	3573.3402102956275	3393.143798658625	3406.301853334663	3421.699961395641	0
219	44	32039	-227061.1413	820777.3170250766	39.12636386386714	-101.599544	275286.2937525896	4334019.57609895	3566.20078	3393.053348213515	3401.37991889445	3420.182971131654	0
220	44	32040	-226401.1413	820777.3170250766	39.12640178335559	-101.597184	275487.178347205	4334015.96898708	3564.014651700977	3392.1919264545	3396.29052021659	3418.561302192193	0
221	44	32041	-225741.1413	820777.3170250766	39.1264172	-101.5948929	275688.2845647045	4334010.81248259	3541.82171298255	3384.054120740594	3391.49856597944	3416.7609574442818	0
222	44	32042	-225081.1413	820777.3170250766	39.1264324533302	-101.5925673	275889.389307299	4334007.879565526	3529.63797995836	3380.9660104935992	3385.72913875031	3414.054596811384	0
223	44	32043	-224421.1413	820777.3170250766	39.126447440256574	-101.5902418	276090.4942716716	4334003.83299878	3517.183048115813	3377.929437733962	3380.221334136278	3410.558973	0
224	44	32044	-223761.1413	820777.3170250766	39.12646302063325	-101.5879162	276291.5988415256	4333999.791171306	3504.458387905968	3374.8956613911987	3374.2357553784877	3404.220376816434	0.6599060127109624
225	44	32045	-223101.1413	820777.3170250766	39.12647828985327	-101.5859507	276492.709833073	4333995.74707804	3491.733263077906	3371.895462294306	3368.39389091178	3368.26226494922	3.525757131277844
226	44	32046	-222441.1413	820777.3170250766	39.12649430502521	-101.5832651	276693.80761874865	4333991.703271357	3479.008151559589	3368.83946469353	3362.245604442064	3360.159964787626	6.558380274768883
227	44	32047	-221781.1413	820777.3170250766	39.1265101786232	-101.5806883	276894.9142526893	4333987.412526893	3468.91784240585	3367.914838	3361.2791491224806	3358.498335903092	17.17252606765817
228	44	32048	-221121.1413	820777.3170250766	39.12652365012151	-101.578614	277096.0154	4333983.61171626	3449.037176373045	3362.79714400132	3359.11950360235	3350.47979503924	0
229	44	32049	-220461.1413	820777.3170250766	39.1265386734473	-101.5762885	277297.118981485	4333979.528605125	3434.30145	3359.782801080095	3342.82127633076	3356.209340499864	35.735755081454954
230	44	32050	-219801.1413	820777.3170250766	39.12655365964897	-101.5739629	277498.223290164	4333975.92005561	3418.965373607174	3356.722616589	3335.85018769318	3342.2225740072	12.550359651437248
231	44	32051	-219141.1413	820777.3170250766	39.1265689073716	-101.5716374	277699.325	4333971.48684801	3408.790312424546	3353.7818760746	3328.9039943243374	3332.4755092734	29.21830743713035
232	44	32052	-218481.1413	820777.3170250766	39.126583495905834	-101.5693118	277900.42836534174	4333967.43889572	3407.81000693958	3350.768411611423	3326.16935253734	3325.17703222613	25.9990374680873
233	44	32053	-217821.1413	820777.3170250766	39.12659837063426	-101.5668865	278101.53105451877	4333963.401261351	3400.771700484495	3347.777337329449	3320.861125845898	3320.504819526288	6.1936121779436325
234	44	32054	-217161.1413	820777.3170250766	39.12661313894944	-101.5646057	278327.833524461	4333959.58890136	3393.76240050545	3344.765674778737	3338.098493027367	3338.20775929565	6.69881453603696
235	44	32055	-216501.1413	820777.3170250766	39.126627878941929	-101.5623352	278503.75759251						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRELEVLogKrg.f	BRELEVBothKrg.f	SurfThkBoth.f
311	41	32131	-166341.1413	820777.1717025076	39.12761805462806	-101.3855903	293786.88230656437	433348.608982487	3338.051180444841	318.560063905354	3154.462245101282	3203.675906452212	40.07781880425226
312	44	32132	-166581.1413	820777.1717025076	39.1276293535196	-101.3832467	293768.96832159534	433364.52904375	3350.27750667445	3198.24454	3156.134675374978	3205.25185291339	42.10986645221169
313	44	32133	-166821.1413	820777.1717025076	39.1276406775681	-101.3804691	294189.5541336727	433380.4511382927	3391.9508726959068	3197.964462191942	3156.448121315553	3212.983584130178	42.9883497836874
314	44	32134	-166961.1413	820777.1717025076	39.12765181694258	-101.3786135	294390.13917411424	433362.559532326	3327.7301591340475	3197.66375926141	3156.20379292829	3213.203473458945	42.6568294791973
315	44	32135	-167031.1413	820777.1717025076	39.1276628120932	-101.3762879	294591.2215050049	433362.440493758	3380.271686453272	3197.3935207390735	3154.181965848086	3217.982807224765	42.32753080982684
316	44	32136	-167361.140411	820777.1717025076	39.127674100556916	-101.3739622	294792.21035340316	433363.4557484579	3384.12901498498176	3197.13592400422	3151.92087221781	3215.92076196781076	30.302968223317272
317	44	32137	-167821.1413	820777.1717025076	39.12768517488541	-101.3716366	294993.3953574586	433362.4347629788	3387.986143480267	3196.8673522106496	3148.888904059117	3217.98443809213847	47.998451751352684
318	44	32138	-167172.1413	820777.1717025076	39.12769624449751	-101.369311	295148.1801582603	433362.41	3391.8432719727143	3196.647134465578	3145.842687899583	3215.970668703425	51.7944675
319	44	32139	-167681.1413	820777.1717025076	39.127707189946584	-101.366854	295356.56475141346	433362.411651161	3391.9508726959068	3196.4138571582383	3152.9523895541926	3216.9845761501411	18.734406572392345
320	44	32140	-168041.1413	820777.1717025076	39.127718128755895	-101.3646597	295576.791151222	433362.354076303	3398.30894512384	3196.1858379604814	3154.294746722326	3217.974803893597	61.89109122324529
321	44	32141	-159741.1413	820777.1717025076	39.12772935076764	-101.3623241	295797.73335159174	433368.236878304	3348.6670172770976	3195.3611308659337	3127.0174049379343	3217.961578341185	68.849089281342
322	44	32142	-159081.1413	820777.1717025076	39.12773987334019	-101.3600085	295989.81734072736	433360.299621319	3319.0250933030613	3195.3731921515	3118.303601283381	3217.960889549207	37.7373063813397
323	44	32143	-158421.1413	820777.1717025076	39.12775067825348	-101.3576829	296199.9014161231	433360.272336673	3379.896112	3195.512079310965	3107.8832009173157	3216.2932917019783	67.8330071313284
324	44	32144	-157761.1413	820777.1717025076	39.12776143824749	-101.3553272	296400.847356123	433396.245624357	3381.280083621422	3195.28716296539	3121.8188585838157	3216.917625957635	74.4888717472396
325	44	32145	-157101.1413	820777.1717025076	39.1277725332223	-101.3530316	296602.0681291721	433392.218884367	3382.69454966225	3195.0951262711967	3193.2240621229985	3217.21840345973203	56.46954597633203
326	44	32146	-156441.1413	820777.1717025076	39.1277826234784	-101.350776	296803.151322515	433358.192168695	3384.04802925968	3194.823250744544	3154.277598039456	3217.40035430399	45.533772704990246
327	44	32147	-155781.1413	820777.1717025076	39.12779348871371	-101.3483903	297004.2343158479	433358.16921321	3385.269726	3194.588355862413	3163.1937140061873	3217.589443918086	31.3946358005399
328	44	32148	-155121.1413	820777.1717025076	39.12780402903045	-101.3460547	297205.3711093734	433358.19698254	3386.3291541015824	3194.324378552745	3169.2426261740797	3217.912717679143	25.1015014
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331	44	32151	-153141.1413	820777.1717025076	39.12783500469544	-101.3390778	297808.564	433368.06206781	3388.521707800594	3193.5671	3182.832648250554	3183.2354371390447	10.728835516164509
332	44	32152	-152481.1413	820777.1717025076	39.1278459110888	-101.3367522	298009.4634894807	433354.63526841	3387.7601771886257	3193.296953870484	3187.7687760187292	3184.1737772030617	60.1909196756392
333	44	32153	-152121.1413	820777.1717025076	39.12785682682331	-101.3344923	298217.2148924127	433358.825815777	3389.6207180248328	3193.2707802484352	3187.8591197406455	3216.9249717046455	48.2949717046455
334	44	32154	-151161.1413	820777.1717025076	39.12786557	-101.3321098	298411.8079600537	433355.95958584	3385.98810037376	3192.70663712927	3188.3677390027263	3217.9164842671544	43.393024500205245
335	44	32155	-150501.1413	820777.1717025076	39.12787633502324	-101.3297575	298612.8918186208	433351.96059584	3384.8023678112687	3190.40626535373	3188.4632406446249	3219.766607428963	43.393024500205245
336	44	32156	-149841.1413	820777.1717025076	39.127887054470406	-101.3274496	298813.9273890623	433347.93113624	3383.29544911778	3192.0843691382534	3187.956262889062	3219.3379312555176	4.128106249170742
337	44	32157	-149181.1413	820777.1717025076	39.127897230512104	-101.325124	299015.0339354154	433347.91140922	3381.76861222008	3191.57983259706	3187.0762726418745	3219.4943808909437	46.81755615
338	44	32158	-148521.1413	820777.1717025076	39.1279078163422	-101.3227984	299216.134	433359.887	3380.174272929977	3191.4210703187164	3188.096474420072	3219.468176703614	51.14130689085579
339	44	32159	-147961.1413	820777.1717025076	39.127917947839766	-101.3204722	299417.2148924127	433358.825815777	3389.6207180248328	3193.2707802484352	3187.8591197406455	3216.9249717046455	48.2949717046455
340	44	32160	-147291.1413	820777.1717025076	39.127927499119754	-101.3181747	299618.2952212374	433351.838	3391.74255314	3193.0209203087124	3188.0209203087124	7.893373527172	0
341	44	32161	-146541.1413	820777.1717025076	39.12793745854314	-101.3158214	299819.734535002	433357.814472267	3387.12917560956	3190.34589715714	3181.882916	3219.5415198738904	51.657396
342	44	32162	-145881.1413	820777.1717025076	39.12794743692689	-101.3134958	300020.4554362623	433323.79066007	3372.078292468317	3189.9639828447353	3180.853096253345	3190.5185581446726	61.1109432190072
343	44	32163	-145221.1413	820777.1717025076	39.12795734345099	-101.3111702	300221.5326746105	433351.767021129	3368.97045804046	3189.572782049987	3179.9025864168842	3189.231631	9.67020178314444
344	44	32164	-144561.1413	820777.1717025076	39.1279672055544	-101.3088445	300422.6149909719	433351.74353383	3364.843997	3188.170650433197	3179.0322830227674	3218.324804254018	10.1386741042951
345	44	32165	-143801.1413	820777.1717025076	39.12797702174022	-101.3068189	300623.6942372031	433351.70258077	3360.717591205365	3188.751343788083	3178.225695382059	3219.395776	10.31665021601334
346	44	32166	-143241.1413	820777.1717025076	39.12798673305529	-101.3041932	300824.735891023	433357.697154743	3356.591162116059	3188.531796940229	3177.45847402145	3219.1984970890451	10.31665021601334
347	44	32167	-142581.1413	820777.1717025076	39.127996520756077	-101.3018678	301025.93540534034	433357.61484934	3358.70811019383	3187.9048180271916	3177.9337303051907	3219.87393616577	11.910361647743047
348	44	32168	-141921.1413	820777.1717025076	39.12800620227629	-101.2995419	301226.9314356778	433349.65140272	3356.19602689256	3187.4438377862903	3175.925053	3219.512186	11.51874615900131
349	44	32169	-141261.1413	820777.1717025076	39.12801583828217	-101.2972163	301428.01008547	433345.629	3347.2581953742873	3186.880239696098	3175.381034254648	3219.8864219102716	11.51874615900131
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351	44	32171	-139941.1413	820777.1717025076	39.128034978534615	-101.292855	301830.1687845772	433349.60635961	3344.449095354285	3186.05564327671	3173.271762619542	3219.8109289808	12.73801756718094
352	44	32172	-139281.1413	820777.1717025076	39.12804448078114	-101.2902394	302033.2012448	433343.5602024254	3341.5543825323	3185.491144851988	3171.956821319804	3219.845005155219	13.52023166253817
353	44	32173	-138621.1413	820777.1717025076	39.1280546169182	-101.2879696	302246.3303036	433343.5602024254	3341.5543825323	3185.491144851988	3171.956821319804	3219.845005155219	13.52023166253817
354	44	32174	-137961.1413	820777.1717025076	39.1280635051466	-101.2858581	302433.40037942666	433343.5602024254	3341.5543825323	3185.491144851988	3171.956821319804	3219.845005155219	13.52023166253817
355	44	32175	-137301.1413	820777.1717025076	39.12807271800166	-101.2836264	302634.4778555406	433347.41967115	3340.1902711677377	3183.8428353459803	3166.8023313165404	3219.830357833662	17.04050218051998
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357	44	32177	-135981.1413	820777.1717025076	39.128093138215986	-101.2786111	303036.6232051499	433343.5602024254	3341.5543825323	3183.8428353459803	3166.8023313165404	3219.830357833662	17.04050218051998
358	44	32178	-135321.1413	820777.1717025076	39.1281055094332	-101.276285	303237.7091202515	433349.43069605	3342.489595196756	3182.031183708584	3161.68967800311	3217.923993178542	30.3415057037814
359	44	32179											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatThKgs.f	SatThBoth.f
437	43	32257	-83181.14133	820777.317025076	39.12686789814448	-11.0925575	319122.1894586812	33343.4212605299	3227.3895265700494	308.538708899238	3041.696623	42.17607812729144	43.11348520972726	
438	44	32258	-82521.14133	820777.317025076	39.12686362722974	-11.0902218	319323.25152244844	33331.3830528769	3224.248667590062	305.2040639531	307.193086115855	40.6123235236706	44.7620580814687	
439	44	32259	-81861.14133	820777.317025076	39.12686292139386	-11.0871681	319624.313408915	33334.2429814124	3221.658449417513	308.153703390883	3037.1762038683	43.458727061515	44.12038247872345	
440	44	32260	-81201.14133	820777.317025076	39.12670477063712	-11.0850054	319725.37120090824	33327.505129176375	3219.305450540024	307.9205904600774	3038.1862148306295	30.384549660683	41.73466972944784	
441	44	32261	-80540.14133	820777.317025076	39.128710274595225	-11.0832547	319926.43656359693	33326.2843624231	3218.7428216183775	3038.9342816813679	3039.1312829648625	39.30535348198736	39.11133865351207	
442	44	32262	-79881.14133	820777.317025076	39.128712751346021	-11.080929	320127.498016165	33332.227732514	3215.2051753011824	307.6514457664037	3039.13154048764	30.394344918648724	37.40991716534706	
443	44	32263	-79221.14133	820777.317025076	39.12872114884015	-11.0786033	320328.559913613	33331.1824278231	3217.4793681073	3038.526409776894	3039.32214823737586	39.30535348198736	35.59999999121327	
444	44	32264	-78561.14133	820777.317025076	39.12872651839898	-11.0762777	320529.6201964362	33331.24122483251	3211.84720395449	307.071478809413	3037.55827689995	3038.374598378342	35.511418909761235	
445	44	32265	-77961.14133	820777.317025076	39.12873184306704	-11.073862	320759.6610248646	33331.0258895695	3209.32542	307.16032692008	3038.14238977618	30.36354286724512	35.1675847242603	
446	44	32267	-77411.14133	820777.317025076	39.128737122733314	-11.0716253	320581.7467799426	33330.622529159	3208.8055542294265	307.54543974396	3038.91821924837	35.13306145403367	34.5257334463573	
447	44	32267	-76581.14133	820777.317025076	39.12873672087426	-11.0693006	321182.8021556854	33330.0247144709	3207.16242310711	3067.8921772050537	3032.174328514885	30.32636185789013	35.17348690158644	
448	44	32268	-75921.14133	820777.317025076	39.1287457442315	-11.0669749	321333.86245812755	333309.24151257	3205.6411783	3065.8575692365	3029.659251868626	30.3098557570686	36.1965132373877	
449	44	32269	-75269.14133	820777.317025076	39.12875269237634	-11.0646492	321534.9228551903	333304.236910514	3203.601142426993	3063.993662450597	3026.9452913303127	30.2207199350466	37.7648687465307	
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456	44	32276	-70641.14133	820777.317025076	39.12878749425581	-11.0483963	322942.3385931325	333306.202881589	3191.919196844313	3050.482368474343	3019.053672218799	30.2172855128954	31.318042635336	
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485	44	32305	-51501.14133	820777.317025076	39.12890789313485	-11.0009824	328772							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SurfBothKrg.ft
88	43	32509	83138.85867307335	820777.17320250766	39.12868835075678	-100.5064803	369784.768498951	43321.3786885207	2795.776845833869	2716.1649989709833	2664.3563451190964	51.80860888119246
89	44	32510	83178.85867307335	820777.17320250766	39.12862659626232	-100.5041546	369985.7924041591	43321.3304161942	2784.552135287059	2714.8186262145616	2662.4832269391675	52.33658114
89	44	32511	84458.85867307335	820777.17320250766	39.12867643941815	-100.5016389	370166.8161629315	43321.0615204888	2783.3437738817897	2713.473426216827	2661.34316589492	52.164142323616
89	44	32512	85118.85867307335	820777.17320250766	39.12867117260836	-100.4995033	370387.8336834214	43321.95.975009868	2786.251664168028	2712.343733851345	2660.572506645028	56.1712895618975
89	44	32513	85778.85867307335	820777.17320250766	39.1286653671686	-100.4971776	370588.863364933	43322.120233727	2790.159554542066	2717.971598847783	2660.305337	56.94018225750289
89	44	32514	86438.85867307335	820777.17320250766	39.1286594950439	-100.4948519	370789.86678912	43321.18.04333439	2794.067440438365	2709.462704438365	2660.943639599739	48.5163763897685
89	44	32515	87098.85867307335	820777.17320250766	39.12865359017091	-100.4925262	370990.9104643857	43321.10.048400615	2794.862593091819	2717.971598847783	2662.779516528417	45.3519343663461
89	44	32516	87788.85867307335	820777.17320250766	39.12864743951651	-100.4902005	3711.91.9332004426	43321.10.1241392	2792.545181538211	2706.8034782201485	2665.2320499545385	41.57414282656094
89	44	32517	88418.85867307335	820777.17320250766	39.1286416678985	-100.4878746	371392.9562010283	43321.06.15204888	2796.2258491746923	2707.47869259916823	2661.358927768467	36.46790355702026
89	44	32518	89078.85867307335	820777.17320250766	39.1286350344477	-100.4850491	371593.971352615	43321.02.195	2797.102381961296	2704.157382116296	2673.9719080139575	34.54572902717474
89	44	32519	89788.85867307335	820777.17320250766	39.12862951802749	-100.4832235	371795.0019172207	43321.00.3235095	2783.758463211411	2702.8411657791253	2680.631044120432	27.176031455
89	44	32520	90388.85867307335	820777.17320250766	39.12862337682925	-100.4808978	371966.024570584	43320.94.269670256	2777.27383758536	2701.527680964448	2665.939004402953	58.886675614943
700	44	32521	91058.85867307335	820777.17320250766	39.12861712430186	-100.4785721	372197.0173430473	43320.90.2511595	2771.7863135020977	2684.21152	2684.055453598645	54.16987507888718
700	44	32522	91718.85867307335	820777.17320250766	39.12861092250174	-100.4762464	372398.0692044037	43320.86.345	2766.80523870729	2698.90336792296	2632.6190309827402	67.224193766735
700	44	32523	92378.85867307335	820777.17320250766	39.12860472149525	-100.4739207	372599.0198036534	43320.82.36233007	2765.091712413956	2697.9910568085055	2622.5589119269167	75.79594038158878
700	44	32524	93038.85867307335	820777.17320250766	39.12859841712748	-100.4715195	372800.1139735241	43320.78.420812104	2766.279129118176	2693.224191158162	2624.11922714728	72.95471637
700	44	32525	93698.85867307335	820777.17320250766	39.12859260218483	-100.4692694	373001.13601564424	43320.74.8570685	2778.22871059139	2694.967048	2617.6793842089023	72.8726383730772
700	44	32526	94358.85867307335	820777.17320250766	39.12858566231234	-100.4669437	373202.1570343274	43320.70.49709096	2785.797413	2693.654471051267	2608.161150142715	78.28736310483163
700	44	32527	95018.85867307335	820777.17320250766	39.128579217536966	-100.4646818	373403.17973208426	43320.66.53569476	2788.432273587324	2692.340914860176	2603.396123285787	88.8491757
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710	44	32530	96988.85867307335	820777.17320250766	39.12855913595836	-100.4576471	374006.2445336585	43320.54.50992615	2784.535576	2688.36276841174	2601.91946991939	86.772649487847
710	44	32531	98248.85867307335	820777.17320250766	39.12854931819145	-100.4553783	374205.957104004	43320.50.92381815	2789.952568428393	2691.08592365126	2605.953968179	81.21130847038
710	44	32532	98318.85867307335	820777.17320250766	39.12854631980304	-100.4529696	374408.2689370463	43320.46.7305111	2784.005289593737	2685.72401035001	2601.3104785204283	83.9790195
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715	44	32535	100298.85867307335	820777.17320250766	39.12852604	-100.4460126	375011.3473467374	43320.34.68656556	2782.217689018246	2681.641305070536	2605.858082809521	75.7982139134958
716	44	32536	100598.85867307335	820777.17320250766	39.12851913303863	-100.4436869	375212.3706401621	43320.30.899673222	278.2452524039596	2784.264793183244	2611.396239441736	76.1938369597667
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719	44	32539	102938.85867307335	820777.17320250766	39.128498376300215	-100.4367098	375815.4319373995	43320.19.01473456	2769.521431601236	2675.931618470989	2615.058516415483	61.0525191543676
719	44	32540	103598.85867307335	820777.17320250766	39.12849137454605	-100.4343842	376016.4521641604	43320.15.01432822	2771.998027536023	2674.46342830623	2613.780725347022	61.827029560114
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722	44	32542	104918.85867307335	820777.17320250766	39.12847715527572	-100.4297328	376418.4922549851	43320.07.133	2776.90814365943	2671.50858374794	2611.2365398415373	61.7305598330265
724	44	32543	10558.85867307335	820777.17320250766	39.1284699175957	-100.4274072	3766915212702296	43320.03.7458971	2775.0874448139904	2670.077605299287	2608.618502449091	60.4088988838584
724	44	32544	106248.85867307335	820777.17320250766	39.128462332283	-100.4251918	3768139.21163807	43320.00.92381815	2769.952158273478	2668.545226351478	2605.253968179	61.21130847038
725	44	32545	106988.85867307335	820777.17320250766	39.1284552996547	-100.4227558	3770271.551507892	43320.00.3745871	2767.062671151647	2670.8743465229	2606.9361108114364	59.916118051285794
726	44	32546	107558.85867307335	820777.17320250766	39.128442031	-100.4204301	377222.5510274032	43320.00.92381815	2756.7848458963063	2665.5917664149274	2606.984591839249	56.206287634
727	44	32547	108218.85867307335	820777.17320250766	39.1284408848898	-100.4181045	377423.59041493014	43320.00.3745871	2750.218195359686	2664.119825188239	2606.3264315996644	56.0559594542214
728	44	32548	10888.85867307335	820777.17320250766	39.1284350036985	-100.4157788	377624.606913817	43320.00.3745871	2743.18758730115	2662.652365824076	2605.8127492464973	56.005179716277
729	44	32549	109538.85867307335	820777.17320250766	39.1284260673018	-100.4134531	377825.628500338	43320.00.92381815	2739.9530260269	2660.848475775967	2605.8127492464973	56.005179716277
730	44	32550	110198.85867307335	820777.17320250766	39.1284183989694	-100.4111714	378026.647891025	43320.00.92381815	2728.125311112633	2659.726756146437	2605.5087418764053	56.005179716277
731	44	32551	110818.85867307335	820777.17320250766	39.12841196642078	-100.4089138	378227.679310777	43320.00.92381815	2719.43191263807	2658.152216959	2604.59924637399	56.005179716277
732	44	32552	111518.85867307335	820777.17320250766	39.128404986879	-100.4064761	378428.685212099	43320.00.92381815	2707.088475195354	2656.7879437035	2604.767479	56.005179716277
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734	44	32554	112838.85867307335	820777.17320250766	39.1283882382401	-100.4018248	378830.722883403	43320.00.92381815	2702.393574077476	2653.829239479678	2604.9818653391	56.005179716277
734	44	32555	113498.85867307335	820777.17320250766	39.12837952576129	-100.3994991	379031.741338529	43320.00.92381815	2700.741114928316	2655.31140919441	2604.919614629818	56.005179716277
735	44	32556	114158.85867307335	820777.17320250766	39.12837277827814	-100.3971374	379232.7596792678	43320.00.92381815	2704.239626847312644	2650.8505737312644	2607.0394435641865	56.005179716277
737	44	32557	114818.85867307335	820777.17320250766	39.12836975954528	-100.3951958	379433.7780527363	43320.00.92381815	2700.741114928316	2655.31140919441	2604.919614629818	56.005179716277
738	44	32558	115478.85867307335	820777.17320250766	39.12835714855046	-100.3925221	379634.799105048	43320.00.92381815	2700.741114928316	2655.31140919441	2604.919614629818	56.005179716277
738	44	32559	116138.85867307335	820777.17320250766	39.12834926300194	-100.3901921	379835.81800273	43320.00.92381815	2700.741114928316	2655.31140919441	2604.919614629818	56.005179716277
74												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevLogs.ft	BRElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
75	45	32635	-322101.1413	821437.3170250766	39.125507840277265	-101.9344385	246328.53033753904	3434805.559122225	3908.8670894286583	3731.515624030064	3744.364038255833	3737.083705150343	37.15131577423108	44.43191888
76	45	32636	-321441.1413	821437.3170250766	39.12552973959691	-101.932113	246269.6977744348	3434801.489002925	3906.76364570433	3739.53208	3743.0421468160357	3736.308457300474	36.48993286887414	43.2326224
77	45	32637	-320781.1413	821437.3170250766	39.12558198474915	-101.9297876	246730.8086614212	3434787.419263867	3904.700011234277	3777.5287471731313	3741.336056147958	3735.245303311286	36.19301816914822	42.28387128585176
78	45	32638	-320121.1413	821437.3170250766	39.125573404615835	-101.9274622	246831.9470933457	3434783.793279334	3902.616757670128	3735.506181464283	3739.072973875436	3730.273013815972	36.123700758864626	43.26576082311075
79	45	32639	-319461.1413	821437.3170250766	39.12559516969668	-101.9251367	247133.086590719	3434789.279682084	3900.2132903084423	3746.838985556767	3736.540101225002	3729.8075731012273	36.92379733067446	43.65632544444416
80	45	32640	-318801.1413	821437.3170250766	39.1256168961043	-101.9228113	247334.2502703557	3434785.210255159	3897.48579904517	3771.40236380557	3734.7918138	3734.3744867033477	36.10545756065585	37.3760749070615
81	45	32641	-318141.1413	821437.3170250766	39.12563856473828	-101.9204859	247535.362129529	3434781.14100528	3894.7663077711914	3769.320368224783	3733.196558827397	3734.380220248458	36.12374809508128	34.41308674602018
82	45	32642	-317481.1413	821437.3170250766	39.12566019455310	-101.9181604	247736.5011486876	3434779.171928804	3892.04281560935	3767.216648484773	3731.9380573250684	3734.961138455454	36.12785992339087	32.35550748
83	45	32643	-316821.1413	821437.3170250766	39.12568178025469	-101.9158375	247837.6386341568	3434778.930326841	3888.1200539382582	3765.96578752382	3730.917684	3733.307105476845	34.728964412197	31.7836662
84	45	32644	-316161.1413	821437.3170250766	39.12570332064356	-101.9135095	248138.772742755	3434784.93429132	3882.9900206403	3762.94078287517	3730.1555196743907	3731.341438017233	32.78526461	31.00534845879379
85	45	32645	-315501.1413	821437.3170250766	39.12572481611909	-101.9118144	248339.9314565467	3434785.865745671	3877.875861969203	3760.765331914721	3729.6809965506023	3730.80138868628	31.10432325	30.52454020893043
86	45	32646	-314841.1413	821437.3170250766	39.12574626661446	-101.9088587	248541.0503939792	3434760.79166451	3872.753623220024	3756.527737468504	3729.658520404956	3729.57463688023	29.80425149104407	29.045465099758126
87	45	32647	-314181.1413	821437.3170250766	39.1257677233057	-101.9065332	248742.1870817933	3434756.72916454	3867.94638867729	3758.3317304352163	3729.5710407489646	3729.4875858918	26.84412639916858	26.84412639916858
88	45	32648	-313521.1413	821437.3170250766	39.12578903306644	-101.9042078	248943.323267307	3434752.61137075	3863.45325623382	3754.071043099424	3729.569373985587	3724.425495	24.501674324383657	24.64653495452292
89	45	32649	-312861.1413	821437.3170250766	39.1258103488889	-101.9018623	249144.4497109313	3434748.593247148	3858.960201793035	3751.7798025433012	3728.636887248734	3728.509479759708	23.14315248427875	23.27072578355046
90	45	32650	-312201.1413	821437.3170250766	39.125831619798205	-101.8995469	249345.50552522	3434744.52591337	3854.467108346683	3749.45691530466	3726.6400537811467	3728.520147587435	22.80885127381528	20.9364918
91	45	32651	-311541.1413	821437.3170250766	39.12585284579406	-101.8972314	249546.733489518	3434740.458	3851.021368640586	3747.10207883848	3723.888736354662	3728.140355521165	22.343252918632	18.9527133773168
92	45	32652	-310881.1413	821437.3170250766	39.1258742068764	-101.894906	249747.86679107626	3434736.39074976	3844.715503	3724.17733957741	3727.3386175971837	3726.624156718617	21.37676655739265	
93	45	32653	-310221.1413	821437.3170250766	39.12589516303459	-101.8925805	249949.019883275	3434732.324	3846.22459670248	3724.027766032984	3718.44390831565	3726.59531236749	20.835762173337	16.0732476545437
94	45	32654	-309561.1413	821437.3170250766	39.12591654330085	-101.8902551	250150.1369378558	3434728.2560431	3843.826216743269	3739.8502675482737	3716.04357566675	3724.7265848343547	20.866891518873	15.25481704919019
95	45	32655	-308901.1413	821437.3170250766	39.1259373064273	-101.8879296	250351.2716399606	3434724.18939138	3839.95446899004	3737.377742105247	3714.04193326445	3722.8816868249	23.3358014970562	14.39605529028684
96	45	32656	-308241.1413	821437.3170250766	39.12595830270105	-101.8859402	250552.4060945622	3434720.13215579	3834.6059190076	3734.862364	3712.70255853524	3721.782962076825	22.71206291687653	13.59938893757542
97	45	32657	-307581.1413	821437.3170250766	39.12597914548552	-101.883707	250759.3403698778	3434716.05928364	3830.3688175641513	3736.9469589365	3709.79440487575	3710.138574768874	21.80714748459205	12.84213688757265
98	45	32658	-306921.1413	821437.3170250766	39.12600017018677	-101.8805632	250954.674262349	3434711.9040492	3828.553194776227	3729.82915465836	3708.258817	3717.3126959475713	21.57099604023546	12.571143500275229
99	45	32659	-306261.1413	821437.3170250766	39.12602103687409	-101.8786278	251155.80787682024	3434707.92489377	3823.831914948627	3727.27634473898	3706.2956407625286	3715.056404571213	21.0168031801763	12.2158986250881
100	45	32660	-305601.1413	821437.3170250766	39.126041858647675	-101.8763023	251356.9414341225	3434703.8582881	3816.81176683439	3724.707287563993	3703.763074647057	3711.856209642367	20.84421291628757	12.8510771356136
101	45	32661	-304941.1413	821437.3170250766	39.12606263507495	-101.8739769	251568.0746655105	3434699.79258238	3810.205177773575	3722.1721379578	3700.8678134362212	3709.255623991895	21.25931035956014	13.9015002592626
102	45	32662	-304281.1413	821437.3170250766	39.12608337	-101.8716514	251759.2670406348	3434695.72699008	3808.4286691141498	3715.403095500403	3697.468136362628	3704.251410981458	22.07117342413297	15.2829895693475
103	45	32663	-303621.1413	821437.3170250766	39.12610419448552	-101.8693298	251960.3403698778	3434693.851571915	3806.3688175641513	3716.9469589365	3698.79440487575	3710.138574768874	21.80714748459205	12.84213688757265
104	45	32664	-302961.1413	821437.3170250766	39.12612496603387	-101.867007	252147.47124382	3434690.7259198	3804.27815982694	3714.3403594505	3699.226871611915	3698.73119305505	21.1137673	18.4695253827407
105	45	32665	-302301.1413	821437.3170250766	39.12614533808165	-101.864675	252362.60591534	3434683.531257918	3800.882519839225	3711.72376066036	3684.87174949024	3692.394843859545	20.84781067012015	15.126981670006165
106	45	32666	-301641.1413	821437.3170250766	39.12616584069495	-101.8623495	252563.7308436676	3434679.4746	3800.795113218347	3709.096771666427	3680.40997	3688.95068363923	21.868807140362625	20.14989125903232
107	45	32667	-300981.1413	821437.3170250766	39.1261863347482	-101.8600241	252764.8688321395	3434675.402	3794.165330745133	3706.461386672634	3676.14793922422	3685.6636112870415	20.3443394031421	20.79772738022188
108	45	32668	-300321.1413	821437.3170250766	39.1262081593708	-101.8578968	252966.003055837	3434671.3709288	3788.963087159103	3703.8171756	3671.725164005593	3681.95851996143543	32.029249680058	21.83256739030555
109	45	32669	-299661.1413	821437.3170250766	39.1262272334455	-101.8553731	253167.1315935268	3434667.27719121	3783.755485987093	3701.167542558135	3667.186649129787	3677.989085	33.9808924334755	23.18145790141682
110	45	32670	-299001.1413	821437.3170250766	39.126247808119314	-101.853047	253369.26207153	3434663.20819363	3778.55532128623	3698.51423067153	3672.85217166817	3673.92517166817	35.833892178018038	
111	45	32671	-298341.1413	821437.3170250766	39.12626793383917	-101.8507222	253569.933787351	3434659.174	3773.390092	3695.854219558766	3665.943707633182	3669.374221241878	36.8438396	26.4800971035820
112	45	32672	-297681.1413	821437.3170250766	39.12628821664485	-101.8483967	253770.5230022841	3434655.08042854	3768.274142498005	3693.194475203386	3655.5140918325965	3664.57946214709	37.68035568774212	36.15495272929823
113	45	32673	-297021.1413	821437.3170250766	39.12630384543627	-101.8460712	253971.6518400377	3434641.01696553	3763.158193	3690.53308135989	3651.8799126335657	3659.48354064386	36.810635502423186	31.026267560288
114	45	32674	-296361.1413	821437.3170250766	39.12632864751343	-101.8437457	254172.7842209836	3434646.93462303	3758.04242581373	3704.467375035472	3648.438247462887	3654.010002607	36.4043040066032	33.86367489616223
115	45	32675	-295701.1413	821437.3170250766	39.12634879557626	-101.8414203	254373.9148107706	3434641.900133094	3756.214695440339	3685.214695868052	3645.1736291879075	3648.253689868093	40.40072348697795	36.78978871219
116	45	32676	-295041.1413	821437.3170250766	39.1263688972474	-101.8390848	254575.4536823134	3434638.52697732	3752.6702431160622	3682.56795486066	3642.390519740755	3643.2987310401977	40.1674321248514	36.9592248236293
117	45	32677	-294381.1413	821437.3170250766	39.12638900969514	-101.8367676	254778.1278768125	3434634.7117328	3746.347117328	3680.7912328658	3640.7912328658	3641.712309188784	36.11317375257945	36.78978871219
118	45	32678	-293721.1413	821437.3170250766	39.12640970288416	-101.834438	254977.30204230518	3434630.701187638	3748.81214196982	3677.25507323969	3678.0256881004486	3640.1056462663	37.4293842325023	37.06300767028597
119	45	32679	-293061.1413	821437.3170250766	39.12642893869356	-101.8321183	255178.4308665347	3434626.63854527	3747.77368908875	3674.61016	3638.545060124261	3639.6123568117		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevLogKg.f	BRElevBothKg.f	SatThkLog.s	SatThkBoth.f
201	45	32761	-238941.1413	821437.3170250766	39.12791350056429	-101.6414244	271670.1884068886	343249.094146873	3591.964425002806	3463.882066513349	3468.976925249122	0
202	45	32762	-238281.1413	821437.3170250766	39.12792094059349	-101.6330988	271871.2970062389	343249.0540330622	3588.297374610061	3442.848876564217	3459.486655960395	3464.47333629247
203	45	32763	-237621.1413	821437.3170250766	39.1279458641728	-101.6367732	272072.0574922445	343249.057990606	3585.988744618081	3439.811698812425	3450.371555892272	3460.12819646847
204	45	32764	-236961.1413	821437.3170250766	39.127960696372	-101.6344477	272273.516503229	343249.05	3585.014924780061	3436.778936274623	3451.457125624513	3455.881323277796
205	45	32765	-236301.1413	821437.3170250766	39.12797819259276	-101.6321221	272474.6247606374	343247.902	3584.048975156801	3433.742902029348	3447.7307654866254	3451.853411866445
206	45	32766	-235641.1413	821437.3170250766	39.1279945330435	-101.6297965	272675.73326187406	343247.93	3583.083255335413	3430.7049408167336	3443.787686758793	3450.589450845165
207	45	32767	-234981.1413	821437.3170250766	39.128010269098525	-101.6274709	272876.8145383376	343247.902	3583.529530269866	3427.665038482413	3440.953456496507	3447.0956053241925
208	45	32768	-234321.1413	821437.3170250766	39.12802639975206	-101.6251453	273077.9459004303	343246.70286837	3585.428753763968	3424.6234671871846	3437.70520376493	3445.85592603959
209	45	32769	-233661.1413	821437.3170250766	39.12804216598347	-101.6228197	273279.0574193632	343245.713268411	3583.145622468006	3421.568047022105	3434.711648815528	3441.112736385105
210	45	32770	-233001.1413	821437.3170250766	39.12805804697598	-101.6204841	273480.165	343245.6649359	3589.203695869095	3418.53658210114	3431.091390569696	3438.27730048215
211	45	32771	-232341.1413	821437.3170250766	39.12807383831001	-101.6181685	273681.272425524	343245.61905671	3588.8902482178637	3415.49209883121	3428.333307	3438.78281513372
212	45	32772	-231681.1413	821437.3170250766	39.12808967430645	-101.615843	273882.7595922086	343245.97325343	3586.384206330301	3412.449910542897	3424.9979347145663	3434.355738391903
213	45	32773	-231021.1413	821437.3170250766	39.12810540205926	-101.6135174	274083.486495243	343245.527018368	3583.878164442638	3409.4077577222884	3423.066959197173	3432.258717669127
214	45	32774	-230361.1413	821437.3170250766	39.12812112196639	-101.6111918	274284.593027285	343244.48084734	3581.372122549752	3406.36747982289	3420.114095824545	3426.261771561366
215	45	32775	-229701.1413	821437.3170250766	39.12813677841983	-101.6088862	274485.699689761	343243.438244384	3578.9351145101996	3403.3270832585876	3417.344225269885	3423.8767175697233
216	45	32776	-229041.1413	821437.3170250766	39.12815236995555	-101.6065406	274686.806	343243.39137472	3576.5671400381024	3400.2889544935455	3413.808448665396	3426.977971793414
217	45	32777	-228381.1413	821437.3170250766	39.1281676657353	-101.604215	274887.9119964804	343242.934352928	3574.19916106224	3397.2524073779686	3409.687158405891	3425.62067711978185
218	45	32778	-227721.1413	821437.3170250766	39.12818347827373	-101.6018984	275089.0178161606	343242.259803501	3571.8311917054262	3394.2178196982372	3405.061352039138	3421.757363422
219	45	32779	-227061.1413	821437.3170250766	39.1281989856056114	-101.5995638	275290.123137168	343242.252816481	3564.141935189483	3391.1860275835584	3400.3286778731817	3424.922510493517
220	45	32780	-226401.1413	821437.3170250766	39.12821436692064	-101.5972382	275491.2287893621	343241.270772758	3561.131965510043	3389.158425465744	3395.3901269146244	3421.904235403226
221	45	32781	-225741.1413	821437.3170250766	39.12822977386732	-101.5949126	275692.3339430187	343241.162902332	3558.120805981533	3385.139605708798	3390.27037661102	3419.850833677
222	45	32782	-225081.1413	821437.3170250766	39.12824517	-101.592587	275893.4389	343240.918055192	3555.102464565056	3382.1125060610	3384.96522588833	3418.0274102
223	45	32783	-224421.1413	821437.3170250766	39.12826037300696	-101.5902851	276094.543876895	343240.673481123	3552.84859478591725	3379.105341335334	3382.105341335334	3416.105341335334
224	45	32784	-223761.1413	821437.3170250766	39.12827565199865	-101.5875358	276295.684076303	343240.92980742	3551.011616304537	3376.074874813914	3374.374576	3409.81061602376
225	45	32785	-223101.1413	821437.3170250766	39.128290872474764	-101.5858102	276496.7523409167	343240.04845316	3489.7827160459381	3373.062075873211	3367.524895908977	3402.94264333828
226	45	32786	-222441.1413	821437.3170250766	39.1283063483169	-101.5832846	276697.8563945183	343241.942	3478.258315787241	3370.052253912264	3361.4033504595513	3393.96664392487
227	45	32787	-221781.1413	821437.3170250766	39.128321152270544	-101.580959	276898.9602	343241.88897	3464.6798991235964	3367.0470919076433	3355.201175968658	3382.0173935645115
228	45	32788	-221141.1413	821437.3170250766	39.12833622479133	-101.5786334	277100.0638300384	343241.813209533	3448.069650504404	3364.039975522206	3349.0624536047567	3369.684229
229	45	32789	-220481.1413	821437.3170250766	39.12835152539403	-101.5762964	277301.1673719964	343241.80967814	3443.440329884115	3361.0389216234545	3348.398162384545	3367.723276784666
230	45	32790	-219821.1413	821437.3170250766	39.128366727389254	-101.5739821	277502.70385744	343241.76310951	3442.0230999178198	3361.024135602103	3347.913455612533	3347.913455612533
231	45	32791	-219141.1413	821437.3170250766	39.12838317284502	-101.5716655	277703.723127609	343241.773127609	3407.7751352059513	3355.0500475604176	3333.80450540549	3338.655923728602
232	45	32792	-218481.1413	821437.3170250766	39.12839606569324	-101.5693309	277904.4760625914	343241.680112929	3403.29813858065	3352.063050544445	3332.848164366447	3334.817272255316
233	45	32793	-217821.1413	821437.3170250766	39.12841091362327	-101.5670503	278105.578570291	343241.634721457	3398.8214142596617	3349.081856624354	3336.311177367945	3337.127306973209
234	45	32794	-217161.1413	821437.3170250766	39.12842571663504	-101.5646797	278306.680624221	343241.594903162	3394.344164610573	3346.107613050645	3342.032533353531	3342.54664710329
235	45	32795	-216501.1413	821437.3170250766	39.12844047472857	-101.5623541	278507.782393773	343241.565108101	3392.287150005977	3343.12485911332	3347.729564810364	3348.263437436334
236	45	32796	-215841.1413	821437.3170250766	39.12845516793079	-101.5600285	278708.94777854	343241.529672035	3392.45168914237	3342.15898194	3345.245594809105	3352.99135682175
237	45	32797	-215181.1413	821437.3170250766	39.12846956516969	-101.5577028	278909.964213873	343241.4844881	3391.05981345891	3341.2584322	3355.4095807910208	3359.979058118602
238	45	32798	-214521.1413	821437.3170250766	39.1284847494924	-101.5553272	279111.0873765205	343241.4425661928	3393.380117227735	3334.316048221013	3356.424870479396	3356.39238535996
239	45	32799	-213861.1413	821437.3170250766	39.12849949791942	-101.5530516	279312.388395918	3393.21763753128	3391.338936377862	3355.7693133927696	3356.385173032827	0
240	45	32800	-213201.1413	821437.3170250766	39.12851359	-101.550726	279512.901063274	343241.3634223004	3392.5840844458	3328.49569660247	3353.872885094115	3354.681127029925
241	45	32801	-212541.1413	821437.3170250766	39.1285280800455	-101.5484004	279714.3907791474	343241.3250774218	3391.6392505431992	3325.606439378438	3351.1967971805884	3351.10227962804
242	45	32802	-211881.1413	821437.3170250766	39.128542523669424	-101.5460748	279915.493455874	343241.2944972695	3391.1503571839394	3322.731551805333	3347.780189773226	3348.730334470404
243	45	32803	-211221.1413	821437.3170250766	39.12855739619568	-101.543768	280124.1838145	343241.261831456	3390.4218317830856	3321.647813903505	3344.10275	3347.7889895905
244	45	32804	-210561.1413	821437.3170250766	39.12857128	-101.5414235	280371.6917398906	343241.20779477	3391.671323930406	3317.026816292016	3341.5986824101	3340.159917548248
245	45	32805	-209901.1413	821437.3170250766	39.128585565160145	-101.5390979	280518.7917583757	343241.163981168	3390.62181981603	3314.197395615746	3333.919596753267	3334.73720504371
246	45	32806	-209241.1413	821437.3170250766	39.128599849150895	-101.5367723	280719.8914621444	343241.109608729	3388.0031144	3311.385732539334	3327.9582587731356	3328.817025063043
247	45	32807	-208581.1413	821437.3170250766	39.12861406823309	-101.5344466	280920.9968976004	343241.055671372	3354.76339597899	3308.591254823712	3321.319036805784	3321.319036805784
248	45	32808	-207921.1413	821437.3170250766	39.12862824237661	-101.532121	281122.0901429478	343241.014512714	3353.038873303194	3305.815783456864	3314.0816733353945	3314.6246774359525
249	45	32809	-207261.1413	821437.3170250766	39.12864237577704	-101.5297964	281323.18917225406	343240.9795858942	3351.9193928981	3303.945682985904	3306.1601561238414	3306.698464688986
250	45	32810	-206601.1413	821437.3170250766	39.12865645227704	-101.5274695	281524.2879857919	343240.953457854	3349.589758233041	3300.37979147891	3302.770325211673	3302.770325211673
251	45	32811	-205941.1413	821437.3170250766	39.12867049532523	-101.5251441	281725.3858537668	343240.9185782389	3347.833296071827	3308.57187320064	3289.359152220316	3289.359152220316
252	45	32812	-205281.1413	821437.3170250766	39.12868448980403	-101.5228185	281926.484966387	343240.875	3346.284246687236	3324.9657217184968	3280.58962491464	3280.58962491464
253	45	32813	-204621.1413	821437.3170250766	39.12869843936407	-101.5204829	282127.583138472	343240.818620023	3344.658053699999	3329.32013748		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfKtoKgr.ft	SurfBoth.ft
327	45	32887	-155781.1413	821437.3170250766	39.1296065545368	-101.3483939	297008.264968539	4333785.382479281	3385.298150848086	3195.214042356396	3165.273521990041	3188.104315339592	2945020.963298642	7.10972702387709
328	45	32888	-155121.1413	821437.3170250766	39.12961663611932	-101.3484083	297209.347582851	4333781.356	3387.211037196487	3194.5794078872996	3176.440944976831	3196.47039303029	2514.466201046472	7.10972702387709
329	45	32889	-154861.1413	821437.3170250766	39.12962711778345	-101.3484286	297410.42899783467	4333777.384010029	3388.124653618303	3194.723028998757	3178.228717324674	3198.598854248574	19.598854248574	7.10972702387709
330	45	32890	-153801.1413	821437.3170250766	39.12963766252706	-101.3414618	297611.5121323272	4333763.703734666	3391.036809953287	3194.487023125772	3178.870406241732	3196.710705296294	14.6796168389689	0
331	45	32891	-153141.1413	821437.3170250766	39.1296468103855276	-101.3390912	297812.5942356284	4333762.829414	3391.7822466946	3194.279280804255	3183.854847335239	3195.078641091444	10.37038074518699	0
332	45	32892	-152481.1413	821437.3170250766	39.12965809525775	-101.3367655	298013.6761482489	4333765.25098833	3391.3609706722631	3193.950957263936	3187.055470967533	3191.135161958578	6.39030176182858	28.2389365358292
333	45	32893	-151821.1413	821437.3170250766	39.12966886523963	-101.3344398	298214.5775653447	4333761.227	3390.939449077804	3193.680484275133	3189.785527996974	3189.1053079532916	3.849403520392616	45.7525121795598
334	45	32894	-151161.1413	821437.3170250766	39.12967917630091	-101.3321141	298415.83918523907	4333751.201154439	3390.517927470598	3193.382280903924	3190.547725144742	3187.56072916309217	2.844556756451882	70.75482723002404
335	45	32895	-150501.1413	821437.3170250766	39.12968944241413	-101.3297878	298616.920489973467	4333753.759410027	3389.124653618303	3193.682992038287	3190.1780216078563	3193.583771655458	2.915800710718719	19.158505653628923
336	45	32896	-149841.1413	821437.3170250766	39.1296995367155	-101.3274627	298818.014302953	4333749.15000146	3387.68727593978	3192.784043	3189.158656542755	3185.853637544537	1.6337763524957	71.3080490414903
337	45	32897	-149181.1413	821437.3170250766	39.12970883996088	-101.325137	298919.0822557586	4333748.120001449	3385.9418601356127	3192.85003110286	3187.7884191612725	3186.9479120638724	3.485828146413828	0
338	45	32898	-148521.1413	821437.3170250766	39.12971997133955	-101.3228113	299220.16288346925	4333741.101335305	3384.1954754782735	3192.134563102057	3186.3244578192193	3189.87048497850724	5.81010528238767	2.263614211698475
339	45	32899	-147861.1413	821437.3170250766	39.12973005779749	-101.3204856	299423.3341363145	4333737.07881517	3384.761830918393	3191.7291961173577	3184.889562782973	3189.72050905063	6.9003333960434	2.072492712294757
340	45	32900	-147201.1413	821437.3170250766	39.1297400933472	-101.3181599	299622.3236465012	4333730.52460242	3384.69032786056	3191.403384998907	3182.60459968971	3186.188163168314	8.835788031	5.25222133157662
341	45	32901	-146541.1413	821437.3170250766	39.12975009595122	-101.3158432	299823.40358213254	4333729.028281115	3378.521045667178	3191.077118565082	3181.301545405404	3182.321620201114	10.69945544547993	8.755934054740343
342	45	32902	-145881.1413	821437.3170250766	39.12976004764683	-101.3135085	300024.4834280786	4333725.0471769	3372.39028984607	3190.730723272797	3180.141002631804	3177.601913633282	10.562720645492846	13.1018064414793
343	45	32903	-145221.1413	821437.3170250766	39.1297699542189	-101.3111828	300225.5636028707	4333720.980440089	3368.541781619065	3190.31970405708	3178.112862978073	3173.831423212698	11.20684642763535	16.38828910212088
344	45	32904	-144561.1413	821437.3170250766	39.12977981627604	-101.3088571	300426.6425083901	4333716.957788225	3363.946267133617	3189.924667173351	3178.199021155305	3176.708447664138	11.275765057820354	13.21219509212806
345	45	32905	-143901.1413	821437.3170250766	39.12978963209384	-101.3065314	300627.7218	4333712.83289403	3359.35122860528	3189.5180911351144	3178.6873257310062	3180.2224161785441	10.30765404108206	9.295923496473315
346	45	32906	-143241.1413	821437.3170250766	39.12979940521991	-101.3042057	300828.80061062725	4333708.90972344	3354.756180879029	3189.099546357346	3177.8521732422057	3184.1847732422057	4.7693306943965	0
347	45	32907	-142581.1413	821437.3170250766	39.12980913231356	-101.30188	301029.8796677707	4333704.88627632	3351.974359637327	3188.66858490491	3177.021089550545	3186.796418242978	11.67376555436495	18.721572980111867
348	45	32908	-141921.1413	821437.3170250766	39.129818814484345	-101.2995543	301230.9585292118	4333700.83652626	3351.005797	3188.22456784611	3176.1546005190235	3184.479806244217	12.0699653687706	0
349	45	32909	-141261.1413	821437.3170250766	39.12982845173424	-101.2972868	301462.9339145884	4333698.12673232	3348.65858126543	3187.95050127	3175.05050127	3183.65858126543	11.13902627898	0
350	45	32910	-140601.1413	821437.3170250766	39.12983804406323	-101.2949029	301633.115055791	4333682.81942731	3349.06873086253	3187.2504959943126	3174.12106937965	3187.185770579737	13.1937305347367	0.101684142859378
351	45	32911	-139941.1413	821437.3170250766	39.129847591471275	-101.2925772	301834.1931413484	4333681.96792146	3348.054736731467	3186.797264377611	3172.845316027286	3183.1633277533262	0.3109655047762014	0
352	45	32912	-139281.1413	821437.3170250766	39.12985703958414	-101.2902515	302035.21	4333674.73890976	3346.994208135008	3186.2863211476597	3173.3258874331	3185.299396263075	14.96043405428885	0.98692489728058
353	45	32913	-138621.1413	821437.3170250766	39.12986655152458	-101.2879258	302236.3487097978	4333680.751578105	3345.934085548007	3185.75373714035	3169.523548501505	3183.653156820305	16.233025215252983	0.21593511098884
354	45	32914	-137961.1413	821437.3170250766	39.12987596416978	-101.2856001	302437.4621995301	4333676.72938634	3344.673962942235	3185.210377427303	3167.453789005574	3181.378630423871	17.7396852473424	0.3109655047762014
355	45	32915	-137301.1413	821437.3170250766	39.12988731818987	-101.2832744	302638.504967351	4333672.70787365	3343.6270787367	3184.6658227872	3185.077861557061	3178.6893813298623	19.56774276	0
356	45	32916	-136641.1413	821437.3170250766	39.12989655696979	-101.2809467	302839.580598979	4333668.68279792	3343.699217138174	3184.04162455232	3184.04162455232	3175.689129971337	21.113902627898	0
357	45	32917	-135981.1413	821437.3170250766	39.12990303527626	-101.278623	303040.65919667	4333664.6458137	3348.269425664018	3183.461923983596	3159.9114963480815	3183.032971734458	25.3504330514584	12.688322515034
358	45	32918	-135321.1413	821437.3170250766	39.129913165540366	-101.2762973	303241.734224838	4333660.636987739	3348.8396303166396	3175.6163144887123	3166.8209738166396	3159.2226618925585	16.0189321462795	0
359	45	32919	-134661.1413	821437.3170250766	39.1299233583039	-101.2739716	303442.8107470224	4333652.61357685	3346.60040413142	3182.19478625077	3156.12911672665	3162.732980379128	20.06565315241187	19.45477178716945
360	45	32920	-134001.1413	821437.3170250766	39.1299314696933	-101.2716495	303643.8077959554	4333650.61628827	3347.566609949882	3181.528734606155	3156.10214857014	3161.2419210255993	25.455488931404615	0
361	45	32921	-133341.1413	821437.3170250766	39.12994054897818	-101.2693202	303844.96318484	4333648.50894221	3348.5312615845146	3180.6399734857595	3157.129375180379	3162.73985871810123	27.10588258347383	18.68411536844727
362	45	32922	-132681.1413	821437.3170250766	39.12994964817342	-101.266984	304046.391545884	4333644.50033851	3344.45387120034	3180.128045455236	3154.616543302455	3162.161189246864	21.113902627898	0
363	45	32923	-132021.1413	821437.3170250766	39.12995866562951	-101.2646687	304247.1149053114	4333640.440810052	3343.6270787367	3179.392073671384	3160.095173	3163.917710073025	19.297734363182	16.195793664413
364	45	32924	-131361.1413	821437.3170250766	39.129967619963956	-101.262343	304448.1904329387	4333636.519729781	3341.851308193939	3178.63703048813	3161.3200068514943	3161.3200068514943	21.14360497318503	14.42025410217727
365	45	32925	-130701.1413	821437.3170250766	39.129976538477216	-101.2600173	304649.2658204975	4333632.49896605	3341.435362902266	3177.851485260142	3162.28133929395	3164.49946278357	25.3504330514584	0
366	45	32926	-130041.1413	821437.3170250766	39.12998541	-101.2576916	304850.3410027835	4333628.479815546	3341.019482241114	3177.0448738043674	3162.9184649618264	3165.004389165624	14.12640878750987	12.04048744953256
367	45	32927	-129381.1413	821437.3170250766	39.12999474074019	-101.2553639	305051.4159847001	4333624.4001155242	3341.693103703084	3176.21335180781	3162.887927780889	3164.85435848076395	13.36242739989185	11.3584087493141575
368	45	32928	-128721.1413	821437.3170250766	39.130003044989718	-101.2530402	305252.49077500374	4333620.40581048	3343.457599179864	3175.58032838585	3162.9184649618264	3165.004389165624	17.16353320591956	12.01472077337282
369	45	32929	-128061.1413	821437.3170250766	39.13001263294921	-101.250708	305459.6399961	4333616.308716854	3343.6270787367	3174.881841102	3161.3200068514943	3161.3200068514943	21.14360497318503	0
370	45	32930	-127401.1413	821437.3170250766	39.13002045722548	-101.248387	305656.653698	4333612.402810052	3343.6270787367	3173.75621236217	3159.93257274856	3159.93257274856	25.3504330514584	19.45477178716945
371	45	32931	-126741.1413	821437.3170250766	39.1300290261139	-101.246063	305855.719986238	4333608.3836201345	3343.6270787367	3172.63156686909	3156.3407316915873	3156.3407316915873	26.29092571	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKtM	BR/ElevBothKtM	SatNothKtM	SatBothKtM
43	45	33013	-72621.14133	821437.3170250766	39.1305854595746	-101.055528	322343.1694954864	4333279.409294552	391.93440499030306	3056.299861629313	3023.393595858547	3023.935958585853	32.9062693075831	32.7658719237779
454	45	33014	-71961.14133	821437.3170250766	39.13059037506938	-101.053027	322544.2287572555	433375.405456148	3054.353814299527	3022.2177689396264	3022.3177689396264	3022.3177689396264	31.97798115989876	31.97798115989876
455	45	33015	-67311.14133	821437.3170250766	39.13060259651884	-101.056719	322745.367185195	433371.396869241	3165.163053896705	3052.391381931944	3021.3218891350029	3021.3218891350029	31.138003168621238	31.138003168621238
456	45	33016	-70641.14133	821437.3170250766	39.13060008124618	-101.048375	322663.5025620508	433355.365363827	3187.72768236644	3050.416512769077	3019.9308987908033	3020.146630344682	30.485613481897147	30.2698811920182
457	45	33017	-69981.14133	821437.3170250766	39.130604866951046	-101.0460498	323147.40476178733	433355.38313299893	3182.8592317125714	3048.43005402297446	3018.7704877572696	3019.0123365022747	29.660052472474945	29.418174627167446
458	45	33018	-69321.14133	821437.3170250766	39.13060907733554	-101.043724	323348.6431485447	433329.387267436	3185.82641033791	3046.436739056797	3017.44306747449	3017.6800804840227	28.7567510656985	28.7567510656985
459	45	33019	-68661.14133	821437.3170250766	39.13061430359576	-101.041393	323549.5214548737	433325.383374449	3180.93592121563	3044.379353353347	3015.794246668673	3016.033133	28.643682666873	28.44042194
460	45	33020	-68001.14133	821437.3170250766	39.13061895453369	-101.0390725	323750.5794921592	433331.379654192	3178.340327496083	3042.436812009634	3013.874535	3013.867773438247	28.60276971564188	28.44483446134954
461	45	33021	-67341.14133	821437.3170250766	39.13062359654989	-101.0367468	323951.6375859595	433327.367108255	3176.1408876901034	3040.435846505854	3011.778974472554	3011.668829941424	28.55889893592025	28.568914638728598
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465	45	33025	-64671.14133	821437.3170250766	39.13064153538613	-101.027437	324755.86790390255	433321.366828812	3171.0768818437275	3032.4642227240383	3003.7611906729915	3003.8542080780426	28.70303204759169	28.61001464699576
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468	45	33028	-62721.14133	821437.3170250766	39.1306544482824	-101.020465	325359.370545698	433319.356070126	3171.24716111855	3026.569006020024	2998.5646674432783	2998.7913853345463	27.9999345872412	27.774601167456102
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471	45	33031	-60741.14133	821437.3170250766	39.13066714996856	-101.0134892	325962.20655670285	4333207.350053093	3166.563919018934	3020.794133387358	2985.896117753674	2985.891862	27.899999999999999	27.899999999999999
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473	45	33033	-59421.14133	821437.3170250766	39.13067532872885	-101.008377	326364.318481011	4333199.347	3160.883526733542	3017.037185416168	2976.021974829565	2975.98578961567	27.91052208711415	27.91052208711415
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475	45	33035	-58101.14133	821437.3170250766	39.13068342879272	-101.004769	326797.758723689	433319.3444317901	3156.28413580684	3013.28421918953	2968.23282918953	2968.23282918953	27.86007408467307	27.86007408467307
476	45	33036	-57441.14133	821437.3170250766	39.13068726005554	-101.001864	326967.487529406	433317.343435939	3154.63487095069	3011.550314275985	2962.261482527833	2962.294494024075	27.82883741512006	27.82883741512006
477	45	33037	-56781.14133	821437.3170250766	39.1306911743152	-100.9995347	327168.5388714555	433313.34264761	3153.31554798318	3009.768719563323	2957.883436735346	2958.154732084464	27.8004532208641	27.8004532208641
478	45	33038	-56121.14133	821437.3170250766	39.13069489674865	-100.9972089	327369.594485158	433317.342012375	3151.992068081654	3007.990784169524	2954.229016146053	2954.1611353146686	27.761760234071	27.829485485535
479	45	33039	-55461.14133	821437.3170250766	39.1306987805556	-100.9948831	327570.646426703	433317.351458989	3150.7044331646997	3006.2396378306	2950.243305241974	2950.205289	27.72043136328435	27.72043136328435
480	45	33040	-54801.14133	821437.3170250766	39.130702595477	-100.992574	327771.7042671269	4333171.341	3149.451026821171	3004.507140702297	2948.513335959703	2948.3983136301313	27.680177075	27.680177075
481	45	33041	-54141.14133	821437.3170250766	39.13070667473965	-100.990376	327979.758723689	433319.3444317901	3148.195874967126	3002.76874967126	2946.23282918953	2946.23282918953	27.6408798467307	27.6408798467307
482	45	33042	-53481.14133	821437.3170250766	39.130710769176	-100.9879239	328173.8107176314	433319.341817478	3147.941540633797	3001.055208690306	2943.71631271008	2943.71631271008	27.6123952276021	27.6123952276021
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492	45	33052	-46881.14133	821437.3170250766	39.130744065472065	-100.9646483	330184.3466765974	433312.35110763	3129.231251141122	2984.888664698547	2919.5124926934463	2919.5124926934463	27.6123952276021	27.6123952276021
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495	45	33055	-44901.14133	821437.3170250766	39.130754699144	-100.957136	330804.34618782	433315.35149942	3123.924194178454	2979.724194178454	2913.131329130467	2913.131329130467	27.6123952276021	27.6123952276021
496	45	33056	-44241.14133	821437.3170250766	39.1307586499144	-100.954954	331088.555482307	433317.359873089	3122.729594	2978.727137012075	2912.30283131529	2912.30283131529	27.6123952276021	27.6123952276021
497	45	33057	-43581.14133	821437.3170250766	39.13076458718465	-100.9530195	331389.6072702616	4						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfLen.F	W.Lt.	BRfElevLogKgf.F	BRfElevBothKgf.F	SatHtKgs.F	SatHtBothKgs.F
579	45	33139	10538.85867303351	821437.3170250766	-00.76230606	347675.31135170204	4332776.158894959	2459.16441420209866	2882.7526415621237	2814.3952185627745	2814.022499934918	88.05414283
580	45	33140	1118.85867303351	821437.3170250766	-00.7598088	347876.3051	4332772.175664966	297.3528781558564	2891.35897284041	2812.9918668334673	2812.9918668334673	88.05414283
581	45	33141	1188.85867303351	821437.3170250766	-00.7598088	347876.3051	4332772.175664966	297.3528781558564	2891.35897284041	2812.9918668334673	2812.9918668334673	88.05414283
582	45	33142	1251.85867303351	821437.3170250766	-00.75529293	348278.4472340796	433276.2207416176	2973.8490605119754	279.232475099776	2808.497011	2810.072238914514	70.741263913672
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584	45	33144	1387.85867303351	821437.3170250766	-00.748352	348851.5448237466	433275.262199105	2976.146637756513	2875.683467315524	2800.694107492504	2800.694107492504	74.9832749671511
585	45	33145	1449.85867303351	821437.3170250766	-00.7460262	349082.5792592648	433276.2207416176	2976.146637756513	2875.683467315524	2800.694107492504	2800.694107492504	74.9832749671511
586	45	33146	1518.85867303351	821437.3170250766	-00.7460262	349082.5792592648	433276.2207416176	2976.146637756513	2875.683467315524	2800.694107492504	2800.694107492504	74.9832749671511
587	45	33147	1589.85867303351	821437.3170250766	-00.7437096	349393.1746141004	433274.429805927	2976.146637756513	2875.683467315524	2800.694107492504	2800.694107492504	74.9832749671511
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589	45	33149	1718.85867303351	821437.3170250766	-00.7390488	349845.695255858	433274.429805927	2976.146637756513	2875.683467315524	2800.694107492504	2800.694107492504	74.9832749671511
590	45	33150	1779.85867303351	821437.3170250766	-00.7367232	349886.7296875853	433272.352914969	2966.851027122514	2696.591810475806	2799.43181746067	2799.43181746067	71.10712812448275
591	45	33151	1845.85867303351	821437.3170250766	-00.7343974	350087.7671389579	433273.31671466	2968.30809041291	2668.3041446475	2800.7312613370077	2800.7312613370077	67.82541652829514
592	45	33152	1911.85867303351	821437.3170250766	-00.7320716	350288.8041633635	433274.3905018209	2961.1384942883627	2667.07742127255	2802.0619773145418	2802.0619773145418	65.3386153385614
593	45	33153	1977.85867303351	821437.3170250766	-00.7297459	350584.84102417775	433274.3905018209	2958.399179166308	2665.8008396337065	2803.838630067846	2803.838630067846	62.341024160224
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595	45	33155	2109.85867303351	821437.3170250766	-00.7250943	350891.9143635854	433272.148004494	2955.341086390504	2663.20415152509	2801.134394362693	2801.134394362693	53.401373399367
596	45	33156	2178.85867303351	821437.3170250766	-00.7227688	351092.95008712496	433270.84766662	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
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599	45	33159	2378.85867303351	821437.3170250766	-00.7157913	351696.05926912045	433269.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
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601	45	33161	2508.85867303351	821437.3170250766	-00.711119	352098.05926912045	433267.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
602	45	33162	2578.85867303351	821437.3170250766	-00.708814	352299.1643638325	433266.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
603	45	33163	2637.85867303351	821437.3170250766	-00.7064882	352500.2019	433265.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
604	45	33164	2708.85867303351	821437.3170250766	-00.7041624	352701.23158659	433264.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
605	45	33165	2768.85867303351	821437.3170250766	-00.7018367	352902.272363376	433263.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
606	45	33166	2838.85867303351	821437.3170250766	-00.699519	353103.3073110806	433262.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
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610	45	33170	3098.85867303351	821437.3170250766	-00.6902078	353907.445048264	433258.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
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614	45	33174	3368.85867303351	821437.3170250766	-00.6809048	354711.582208084	433254.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
615	45	33175	3429.85867303351	821437.3170250766	-00.6785735	354912.6155565105	433253.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
616	45	33176	3498.85867303351	821437.3170250766	-00.6762533	355113.64962422877	433252.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
617	45	33177	3568.85867303351	821437.3170250766	-00.6739275	355314.682682066	433251.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
618	45	33178	3627.85867303351	821437.3170250766	-00.6716017	355515.716237084	433250.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
619	45	33179	3698.85867303351	821437.3170250766	-00.669276	355716.749859334	433249.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
620	45	33180	3768.85867303351	821437.3170250766	-00.6669519	355917.7824840911	433248.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
621	45	33181	3838.85867303351	821437.3170250766	-00.6646262	356179.815698104	433247.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
622	45	33182	3908.85867303351	821437.3170250766	-00.6623007	356381.848115011	433246.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
623	45	33183	3978.85867303351	821437.3170250766	-00.6599729	356582.8807211809	433245.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
624	45	33184	4038.85867303351	821437.3170250766	-00.6576471	356721.9318809974	433244.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
625	45	33185	4098.85867303351	821437.3170250766	-00.6553214	356922.9545159965	433243.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
626	45	33186	4158.85867303351	821437.3170250766	-00.6529965	357123.977049975	433242.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
627	45	33187	4218.85867303351	821437.3170250766	-00.6506698	357328.0059758513	433241.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
628	45	33188	4278.85867303351	821437.3170250766	-00.6483441	357526.045671339	433240.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
629	45	33189	4338.85867303351	821437.3170250766	-00.6460183	357727.0734410564	433239.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
630	45	33190	4418.85867303351	821437.3170250766	-00.6436926	357928.1051766317	433238.52	2951.86175143969	2661.8761431935072	2812.89677780563	2812.89677780563	49.3031482771438
631	45	33191	4488.85867303351	821437.3170250766	-00.6413686	358129.136675546	433237.52	2951.86175143969	2661.8761431935072	2		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLgsKrg	BRIEVLgthKrg	SurfLogs.ft	SurfBott.ft
705	45	33265	93698.85867307335	821437.3170250766	39.130404889227625	-100.4692612	37005.9995309768	4332275.61458969	2773.520142	2694.5670551206056	2623.106080833803	2624.9349129926477	74.5080878072256	69.22214212795789
706	45	33266	94358.85867307335	821437.3170250766	39.13039828920208	-100.4692834	37326.1212744764	4332271.85276793	2776.278207186955	2693.284163062191	2613.2334914814044	2613.2334914814044	79.00510132481486	79.00517174899957
707	45	33267	94918.85867307335	821437.3170250766	39.13039184425454	-100.4692997	37367.14289622416	4332271.85276793	2781.980161149545	2691.818251736753	2608.4180249532465	2608.4180249532465	84.5027027	84.5027027
708	45	33268	95678.85867307335	821437.3170250766	39.13035543438503	-100.4692284	37368.1643956241	4332273.72903471	2780.56928945677	2690.58562945677	2603.4936133265205	2603.4936133265205	76.210612745263	76.210612745263
709	45	33269	96388.85867307335	821437.3170250766	39.1303781959358	-100.4699682	37380.1857313586	4332259.768	2778.90737030793	2689.270179703694	2601.8084826727285	2602.068079825366	74.616870930476	72.0209994050283
710	45	33270	96998.85867307335	821437.3170250766	39.13042723988018	-100.4576325	37401.207028769	4332260.80729667	2777.3765307196217	2687.9400309718467	2601.471094718002	2601.571350822822	86.46830626004476	86.4228014802447
711	45	33271	97658.85867307335	821437.3170250766	39.1303565124484	-100.4553067	37421.2281363467	4332251.84637235	2777.12802114884	2686.6037537631096	2602.344638376765	2602.1008912228467	84.259173863447	84.5027027
712	45	33272	98318.85867307335	821437.3170250766	39.13035896	-100.452981	37442.241764955	4332247.88567107	2778.1903169138677	2685.259316	2603.87683947488	2603.318844764263	81.3842521046189	81.9404713002248
713	45	33273	98978.85867307335	821437.3170250766	39.1303522108434	-100.4506565	37463.12701	4332243.925	2778.252662881	2683.804298931943	2604.8366554521467	2603.78418847683	79.07736874979638	80.1101686
714	45	33274	99638.85867307335	821437.3170250766	39.13034547107395	-100.448329	37481.290836737	4332239.96451719	2780.14930514835	2682.53007	2604.17725293138	2604.55216895498	78.358444202029	79.383905
715	45	33275	100298.85867307335	821437.3170250766	39.1303386746446	-100.4460038	37501.511490201	4332240.042441	2778.55974533945	2681.151796029604	2605.1459828762124	2603.258820495067	79.98680473	77.892971078933
716	45	33276	100958.85867307335	821437.3170250766	39.13033181823626	-100.4436781	375216.3321202103	4332220.04137462	2774.104098981826	2679.750143192832	2612.5341177314854	2612.5341177314854	67.21602546134862	68.34098842905985
717	45	33277	101618.85867307335	821437.3170250766	39.13032492	-100.4413523	375417.35253004625	4332228.08420379	2769.69044	2678.338050144155	2618.014969155685	2618.014969155685	60.2447915009786	60.2447915009786
718	45	33278	102278.85867307335	821437.3170250766	39.1303179849106	-100.4390266	375618.327819407	4332224.12431939	2765.11484399575	2676.894134777514	2619.9412055217267	2619.9412055217267	56.95292925576794	57.1670173100779
719	45	33279	102938.85867307335	821437.3170250766	39.13031100907035	-100.436709	375819.392897997	433220.16484394	2764.09903454725	2675.441494266179	2618.748740883107	2618.748740883107	56.9709248296597	56.9709248296597
720	45	33280	103598.85867307335	821437.3170250766	39.13030397	-100.434371	376020.4130401283	4332216.2054178985	2768.5213549723	2673.977787174575	2616.8400341875795	2616.8400341875795	51.1377462987804	57.5721415824323
721	45	33281	104258.85867307335	821437.3170250766	39.1302968818463	-100.4320944	376221.4309710268	4332212.24611087	2768.0254442727	2672.507684831803	2614.809226364292	2614.809226364292	57.69447478884	58.2448071916762
722	45	33282	104918.85867307335	821437.3170250766	39.1302897940887	-100.4297237	376422.457827025	4332208.28707473	2771.4883439762887	2671.03613403958	2612.619895320393	2612.125594490917	56.941771778858	58.91101989966982
723	45	33283	105578.85867307335	821437.3170250766	39.13028621571138	-100.4273979	376623.47475394	4332204.38155075	2769.58035114323	2669.5575162682917	2610.781061607347	2609.46747106582	58.7645646	60.089869167100885
724	45	33284	106238.85867307335	821437.3170250766	39.13027540709207	-100.425072	376824.49204820325	4332200.34960585	2768.017758691	2668.017758691	2609.2680471337926	2609.2680471337926	58.81130452989394	60.1884915154533
725	45	33285	106898.85867307335	821437.3170250766	39.1302881535105	-100.4227465	377025.5115043937	4332176.41082542	2766.06418222548	2666.600914814858	2608.1882105622474	2607.226705130477	58.42880892422764	59.378485875410206
726	45	33286	107558.85867307335	821437.3170250766	39.13026055808274	-100.4204207	377226.5300412635	4332192.45414992	2765.256467766004	2665.13342051722	2606.789032581869	2606.789032581869	59.3443822125851	59.3443822125851
727	45	33287	108218.85867307335	821437.3170250766	39.13021538295332	-100.417698	377422.500189065	4332191.791074445	2764.789041094286	2664.588435113082	2604.9326198792624	2604.9326198792624	59.526826619664	59.526826619664
728	45	33288	108878.85867307335	821437.3170250766	39.130246123397626	-100.4157693	377628.591605192	4332184.536	2763.217350820177	2662.198692849826	2604.807062903183	2604.988580337023	57.916262696436	58.0990019129037
729	45	33289	109538.85867307335	821437.3170250766	39.13023688016974	-100.4134435	377829.5881433563	4332180.57917415	2760.73472788281	2660.73472788281	2604.18466689941	2604.56350890329	56.55297633830715	57.17179129071854
730	45	33290	110198.85867307335	821437.3170250766	39.13023212020156	-100.411178	378030.60708064	4332176.620463176	2764.17540054774	2659.275004119608	2603.811048737612	2602.649976356496	55.466457143872	56.62732733811306
731	45	33291	110858.85867307335	821437.3170250766	39.13022368848924	-100.4087921	378221.6258	4332172.6263	2763.8127661555746	2657.8127661555746	2604.4242142745884	2603.317427669946	54.584687124574	54.9425336880064
732	45	33292	111518.85867307335	821437.3170250766	39.13021612095605	-100.4064664	378423.6443871527	4332161.90582018	2762.734850548532	2656.34150494265	2604.469552967018	2603.775673820505	51.8731951774278	52.7647766099201
733	45	33293	112178.85867307335	821437.3170250766	39.1302058084155	-100.404168	378623.660986217	4332158.74827516	2761.984156911907	2654.94156911907	2603.94156911907	2603.94156911907	51.8731951774278	52.7647766099201
734	45	33294	112838.85867307335	821437.3170250766	39.1301957017003	-100.401914	378834.7834714445	4332157.791274445	2761.734850548532	2654.94156911907	2603.94156911907	2603.94156911907	51.8731951774278	52.7647766099201
735	45	33295	113498.85867307335	821437.3170250766	39.130193147447656	-100.3994892	379035.696577181	4332156.83428769	2762.25195605703	2651.903246849423	2606.314212406098	2605.442727342055	45.8890344521473	46.4603995051781
736	45	33296	114158.85867307335	821437.3170250766	39.1301854	-100.3971635	379236.717721811	4332157.876091775	2761.3066304527	2650.23641019365	2605.2953005734893	2605.2953005734893	45.1175710397754	45.1175710397754
737	45	33297	114818.85867307335	821437.3170250766	39.13017671	-100.3948377	379437.735900322	4332148.912677165	2760.378728	2648.913738878561	2602.295853271751	2602.295853271751	46.68018733414874	46.68018733414874
738	45	33298	115478.85867307335	821437.3170250766	39.1301697694915	-100.392512	379638.735719285	4332144.9646772163	2760.4516625219654	2647.416625219654	2596.87098822653	2599.467051435825	50.6455233213255	47.949607116140214
739	45	33299	116138.85867307335	821437.3170250766	39.13016188720089	-100.3901963	379839.715380772	4332141.08496321	2760.25683961023	2595.681905589231	2595.681905589231	2595.681905589231	50.2934889	47.4149027379169
740	45	33300	116798.85867307335	821437.3170250766	39.13015382953332	-100.387806	379940.788289796	4332137.0521483	2760.05166911907	2594.39156911907	2593.94156911907	2593.94156911907	47.949607116140214	47.949607116140214
1	46	33301	117094.1413	822097.3170250766	39.12557509	-102.1065485	21447.5897043163	433201.938039379	3021.6208189513545	3875.046302182893	3865.49856042854	3872.6698131092	54.373647134034	72.73600405197211
2	46	33302	117028.1413	822097.3170250766	39.1256003165851	-102.1042231	216148.747110838	4333030.440603903	3016.67888906038	3873.759043326616	3865.918649414064	3867.46759236135	54.373647134034	72.73600405197211
3	46	33303	117028.1413	822097.3170250766	39.12562545451703	-102.1018978	218189.9063074155	4333021.35477793	3016.047057935473	3872.471850478889	3864.3937834080457	3865.574034389205	78.04067071	6.9864500396836
4	46	33304	117028.1413	822097.3170250766	39.12565062935486	-102.0995724	22051.06419155397	4333296.245274764	3016.047057935473	3872.471850478889	3864.3937834080457	3865.574034389205	5.5971301208841	4.930918608383759
5	46	33305	117028.1413	822097.3170250766	39.1256771838191	-102.097247	223252.2219673267	4333292.91751231	3011.4155941345045	3869.895267601413	3867.168439828699	3869.293179244068	2.730827712743055	2.730827712743055
6	46	33306	117028.1413	822097.3170250766	39.12570074249814	-102.0948126	224633.3791621573	4333298.10911757	3008.09982427583	3867.51777474347	3868.578027195	3868.578027195	0.03439217	0.29574923820796
7	46	33307	117028.1413	822097.3170250766	39.125725071599797	-102.092709	225855.693075543	4333297.94447853	3005.20554364177	3866.0520069129	3870.62246119298	3870.39682185188	0	0
8	46	33308	117028.1413	822097.3170250766	39.125756238146	-102.0879455	226366.849626395	4333285.867	3003.38126607807	3864.7616058892	3870.2954614251325	3870.2954614251325	0	0
9	46	33309	117028.1413	822097.3170250766	39.12									

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogsKrg	BR ElevBothKrg	SurfBothKrg	SatBothKrg
91	46	33391	-31154.1413	822097.3170250766	39.12766535859156	-101.8972586	249550.80471046988	4343941.726926254	3822.966380081673	3721.8474847469917	3721.84702669204877	3727.4070898730575	25.221482173496042	19.5920670473019	
92	46	33392	-31088.1413	822097.3170250766	39.12766540177834	-101.8943331	249751.93997479647	4343937.659342645	3801.900230058569	3744.6810620042233	3719.511826072196	3727.4070898730575	25.16932478226246	16.88084748519534	
93	46	33393	-31021.1413	822097.3170250766	39.127707867131	-101.8906786	24985.97489120454	4343933.591944046	3849.6436790354643	3742.65463692264	3717.40009008679	3727.5526121534274	25.12538281468592	14.71034572883841	
94	46	33394	-30961.1413	822097.3170250766	39.12778676131	-101.8902821	25014.2975899638	4343929.524715926	3847.981720123595	3749.8170270123595	3749.8170270123595	3727.5526121534274	25.12538281468592	14.71034572883841	
95	46	33395	-30880.1413	822097.3170250766	39.12778676131	-101.8897666	25035.34428106985	4343925.457661245	3844.1428818896038	3737.343671949571	3712.8851440701287	3724.96228134347855	24.45858278	12.7383099789569	
96	46	33396	-30824.1413	822097.3170250766	39.12777082	-101.8856311	25055.64785543982	4343921.390780032	3834.8446353276704	3731.8952096149105	3724.96228134347855	3724.96228134347855	24.45858278	12.7383099789569	
97	46	33397	-30758.1413	822097.3170250766	39.1277917455136	-101.8833056	25075.6712581705	4343917.324074891	3832.113803444181	3732.32817133843	3708.5490868915867	3720.64352625608	23.7737302422568	11.67929060718674	
98	46	33398	-30682.1413	822097.3170250766	39.12781266681814	-101.8809801	25095.7645615454	4343913.257543382	3826.095242711413	3729.760275096347	3708.47147441204	3717.8185074422043	23.3088012925063	11.9617682679438	
99	46	33399	-30606.1413	822097.3170250766	39.1278335389740	-101.8786545	25119.6781724308	4343909.19186134	3821.6451897543054	3727.2191762131674	3704.285148107252	3714.9613647145826	23.3088012925063	11.9617682679438	
100	46	33400	-30560.1413	822097.3170250766	39.12785476198194	-101.875329	25136.113181438	4343905.125093227	3818.16157042089	3724.615403702915	3701.812902507086	3713.346665217	22.8289104582624	13.37722779032816	
101	46	33401	-30494.1413	822097.3170250766	39.1278751558403	-101.8740035	25162.14622184535	4343901.05894657	3815.858015	3722.053254059855	3698.993473684242	3707.260595121317	22.8289104582624	13.37722779032816	
102	46	33402	-30428.1413	822097.3170250766	39.12789589	-101.871678	25173.27901671152	4343895.93160414	3812.964223617652	3719.457702	3695.74578486599	3703.1473369727	23.71916386977	16.30994783563301	
103	46	33403	-30362.1413	822097.3170250766	39.12791657361078	-101.8693524	25196.41156462673	4343892.92	3810.2193554034709	3716.854247864455	3692.09500373929	3691.04545968304	23.71916386977	16.30994783563301	
104	46	33404	-30296.1413	822097.3170250766	39.1279371625166	-101.8670269	25216.5436741322	4343884.76010385	3807.605506879326	3714.281761217963	3687.9694371125233	3694.99602040056	23.71916386977	16.30994783563301	
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109	46	33409	-29966.1413	822097.3170250766	39.1280395752904	-101.8553993	25317.2170349634	4343868.57201316	3787.86277	3701.018891850081	3667.12672241418	3680.980471635773	23.71916386977	16.30994783563301	
110	46	33410	-29900.1413	822097.3170250766	39.12806013	-101.8530738	25337.2326358024	4343864.72164152	3782.570591927614	3698.37277966265	3667.03956936872	35.3506461285609	21.37172120239308	12.7383099789569	
111	46	33411	-29834.1413	822097.3170250766	39.12808046711344	-101.8507482	25357.6431242853	4343860.4498952	3777.055555570877	3695.6933739144515	3689.6240914745145	3672.833811252088	20.6992767	22.8596266257389	
112	46	33412	-29768.1413	822097.3170250766	39.1281074043266	-101.8484227	25374.5934704772	4343856.44044512	3771.232766551074	3693.028419180326	3686.22596226263	3668.22596226263	20.6992767	22.8596266257389	
113	46	33413	-29702.1413	822097.3170250766	39.1281348604418	-101.8461461	25393.7287124308	4343852.309847426	3768.429017623574	3689.230820971134	3684.1433578675	3661.34414335786	20.6992767	22.8596266257389	
114	46	33414	-29636.1413	822097.3170250766	39.12814117232487	-101.8437716	25417.6583426819	4343848.21547835	3759.62575182197	3687.69852510115	3650.2041703190257	3657.8929242724753	20.6992767	22.8596266257389	
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119	46	33419	-29306.1413	822097.3170250766	39.12824146604418	-101.8321489	25512.49949837524	4343827.906641797	3754.607306712584	3645.051355852896	3642.511892551814	3641.471684485	20.6992767	22.8596266257389	
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124	46	33424	-28976.1413	822097.3170250766	39.1283406366238	-101.8205162	25618.1387404812	4343807.58899612	3752.4641267139605	3662.369466512	3632.76280254226	3634.012967049734	20.6992767	22.8596266257389	
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127	46	33427	-28778.1413	822097.3170250766	39.1283990036361	-101.8133395	25679.1519584012	4343795.490388841	3750.0347226265	3653.271493136296	3626.8183642142	3626.8183642142	20.6992767	22.8596266257389	
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130	46	33430	-28580.1413	822097.3170250766	39.12845815962138	-101.8065628	25739.349828166095	4343783.20548884	3747.6656617339872	3645.612481827365	3619.7601074243567	3619.7601074243567	20.6992767	22.8596266257389	
131	46	33431	-28514.1413	822097.3170250766	39.12847789	-101.8042373	25759.0624028871	4343779.159767162	3746.3049035679	3643.0062913797904	3618.19804980489	3618.19804980489	20.6992767	22.8596266257389	
132	46	33432	-28448.1413	822097.3170250766	39.128496945635	-101.8019117	25779.1453614274	4343775.09159864	3745.281282819784	3640.40075379577	3617.631074899217	3617.631074899217	20.6992767	22.8596266257389	
133	46	33433	-28382.1413	822097.3170250766	39.1285164634646	-101.7995875	25800.2748032916	4343771.48220746963	3744.281282819784	3639.281282819784	3616.435262704663	3616.435262704663	20.6992767	22.8596266257389	
134	46	33434	-28316.1413	822097.3170250766	39.1285353690890527	-101.797206	25825.35690890527	4343766.97466702	3743.519169831913	3638.501769241337	3615.5876717144844	3615.5876717144844	20.6992767	22.8596266257389	
135	46	33435	-28250.1413	822097.3170250766	39.12855486006279	-101.794935	25848.52406243522	4343762.918341265	3742.541579366423	3637.584558385353	3614.942458710323	3614.942458710323	20.6992767	22.8596266257389	
136	46	33436	-28184.1413	822097.3170250766	39.12857400542525	-101.792609									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevKgr.ft	BRElevBothKgr.ft	SatThKLog.s	SatThBoth.ft		
217	46	33517	-228881.1413	822097.3170250766	39.12998052795509	-101.6042349	74881.9626228664	3434430.5831793435	3572.9692894735413	3398.3110486413934	3408.4608422692504	3426.8303481393986	0	0		
218	46	33518	-22721.1413	822097.3170250766	39.12999605004829	-101.6018093	75093.0662628406	3434426.338	3570.3227137128655	3395.294355111243	3403.993763246706	3424.494837770473	0	0		
219	46	33519	-22361.1413	822097.3170250766	39.13001034698963	-101.5986368	75354.1738789963	3434422.492033621	3568.081723804159	3392.281734801428	3399.480032036351	3425.047441100334	0	0		
220	46	33520	-226401.1413	822097.3170250766	39.13002669477874	-101.597258	75695.2788756025	3434418.46721314	3564.28085584536	3389.271977833167	3394.745720539815	3425.07581687704	0	0		
221	46	33521	-225741.1413	822097.3170250766	39.13004234681414	-101.5949323	75666.3838465074	3434414.402	3534.414393830855	3386.2642179327783	3398.798018909676	3425.286904112915	0	0		
222	46	33522	-225081.1413	822097.3170250766	39.1300576923141	-101.5926066	75787.48860191985	3434410.356616753	3520.5807129271743	3383.25869961877	3384.62200670368	3424.49638852517	0	0		
223	46	33523	-224421.1413	822097.3170250766	39.13007298672996	-101.590281	76098.5931330416	3434406.31824689	3508.4975283150843	3380.25861451174	3379.2299027367408	3422.55148248393	1025989714432727	0	0	
224	46	33524	-223761.1413	822097.3170250766	39.13008823930866	-101.587935	76299.69443707734	3434402.267	3498.16484549585	3377.2563232487634	3373.2768765781834	3419.791790378874	3794566371	0	0	
225	46	33525	-22301.1413	822097.3170250766	39.1301034698963	-101.5856297	76500.601532235	3434396.222769821	3562.081723804159	3372.260311221841	3367.324781452389	3409.05064197033	63935197694271	0	0	
226	46	33526	-222441.1413	822097.3170250766	39.1301186097048	-101.583304	76701.9504740545	3434394.178482725	3477.49490018587	3371.2603132451785	3361.199730675446	3398.33589	1006658256931919	0	0	
227	46	33527	-221781.1413	822097.3170250766	39.13013372753111	-101.5809783	76903.00840872315	3434390.134391033	3464.383034006213	3368.2740253113584	3355.0870900397131	3385.060334582048	131.86124374227347	0	0	
228	46	33528	-22121.1413	822097.3170250766	39.13014880043356	-101.5786527	77104.117466711	3434386.09406236	3448.482824746964	3365.28320935626	3349.4005229362625	3371.5059382938182	1588529799939474	0	0	
229	46	33529	-220461.1413	822097.3170250766	39.13016328416755	-101.576327	77305.215684148	3434382.067414868	3432.582615487715	3362.29601462408	3344.41172184833	3359.7810339188	18.85429277575895	25.23421123220942	0	0
230	46	33530	-219801.1413	822097.3170250766	39.13017881	-101.5740013	77506.3186719474	3434378.03136925	3416.682402264654	3359.31015982649	3340.6310071413832	3350.140132730103	18.6820856881731	9.172202709638986	0	0
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232	46	33532	-218481.1413	822097.3170250766	39.13020624850675	-101.56935	77908.5238697544	3434369.916501282	3402.81527160521	3353.359869	3330.12920483458	3342.213511185046	14.20307031501926	11.146357639913276	0	0
233	46	33533	-217821.1413	822097.3170250766	39.1302234915566	-101.5670243	78109.6263183605	3434365.87343568	3398.70584824975	3350.391253999176	3342.2578413902674	3343.88175395941	18.90312606909148	65.09674639735749	0	0
234	46	33534	-217161.1413	822097.3170250766	39.13023820454326	-101.5646897	78310.3820454326	3434358.83059247	3394.925898240848	3347.428897840696	3347.239572472384	3348.1220311441	8.093173112322968	0	0	
235	46	33535	-216501.1413	822097.3170250766	39.13025305301049	-101.562373	78511.8302042428	3434357.787848319	3393.86218277658	3344.47390573832	3352.685857213856	3350.33068917566	0	0		
236	46	33536	-215841.1413	822097.3170250766	39.13026776655285	-101.5600473	78712.31031934123	3434353.754130765	3391.6789434933	3341.828051387978	3357.3937137798978	0	0	0		
237	46	33537	-215181.1413	822097.3170250766	39.13028245316655	-101.5577216	78914.0334479547	3434349.702466585	3397.459872	3338.96225673047	3360.010534871694	3360.593402390702	0	0		
238	46	33538	-214521.1413	822097.3170250766	39.1302975688939	-101.555396	79115.13468432165	3434345.60757771	3396.31798427822	3336.567625726448	3360.62345266453	3360.6247503912	0	0		
239	46	33539	-213861.1413	822097.3170250766	39.13031261878821	-101.553045	79318.529240655	3434341.6187382821	3394.754790452159	3334.63819826328	3358.2584869407377	0	0	0		
240	46	33540	-213201.1413	822097.3170250766	39.13032617555449	-101.5507446	79517.3365031781	3434337.65894216	3398.459180045172	3329.54588842096	3355.622885492327	3355.5293437120204	0	0		
241	46	33541	-212541.1413	822097.3170250766	39.13034068054688	-101.5484189	79718.437806978	3434333.53223454	3397.2844050283994	3328.9668310879506	3352.34461586301	3350.4298268566306	0	0		
242	46	33542	-211881.1413	822097.3170250766	39.1303551	-101.5460933	79919.53745161963	3434329.494	3396.10973809287	3324.092277307568	3348.553308670364	3349.737815746283	0	0		
243	46	33543	-211221.1413	822097.3170250766	39.13036953046229	-101.5437676	80120.63759994693	3434325.452041937	3390.227200312202	3321.2317279316494	3344.216527294294	3345.471296865157	0	0		
244	46	33544	-210561.1413	822097.3170250766	39.13038387837672	-101.5414419	80321.7375312836	3434321.411251163	3393.6384567196334	3339.512338525446	3340.465723983148	0	0			
245	46	33545	-209901.1413	822097.3170250766	39.13039818711639	-101.5391162	80529.6373094815	3434318.03971696	3398.046482	3338.25441587673	3334.0748871768886	0	0	0		
246	46	33546	-209241.1413	822097.3170250766	39.1304125146832	-101.5367905	80712.31031934123	3434313.92467731	3398.456157187034	3337.429378122966	3337.429378122966	0	0	0		
247	46	33547	-208581.1413	822097.3170250766	39.13042656059051	-101.5344648	80925.3612537131	3434309.288836964	3391.2836256340497	3309.94043155105	3321.07418524571	3322.0756116417792	0	0		
248	46	33548	-207921.1413	822097.3170250766	39.13044802541295	-101.5321392	81126.1351907991	3434305.248379131	3397.161066898192	3317.5867017717357	3314.3837180871157	0	0	0		
249	46	33549	-207261.1413	822097.3170250766	39.13045485050561	-101.5298135	81327.2340402587	3434301.208048586	3343.774818272234	3304.4051755479536	3305.038317249789	3305.870313678233	0	0		
250	46	33550	-206601.1413	822097.3170250766	39.13046903678474	-101.5274878	81512.3263739587	3432497.16738362	3340.019619	3301.6731106644615	3296.771169640233	3296.42171291305	5.091941020438244	5.251397713152073	0	0
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253	46	33553	-204621.1413	822097.3170250766	39.130511024177885	-101.5205107	82131.622852476	3432486.0894662	3341.1120654527432	3293.8381288723483	3297.142649	3296.798912399343	26.15874657869816	26.850922648333835	0	0
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256	46	33556	-202641.1413	822097.3170250766	39.13055260439807	-101.5135337	82734.9190566474	3432473.93056297	3339.357132129606	3265.8252801921576	3271.761757466546	3271.5882364768463	14.0635227561162	14.237043735113102	0	0
257	46	33557	-201981.1413	822097.3170250766	39.13056637463149	-101.511208	82936.0178057543	3432468.820950837	3337.7995801918	3263.7838566782	3263.49334582024	3262.5406430875555	61.86503984758128	6.726774179226595	0	0
258	46	33558	-201321.1413	822097.3170250766	39.13058099949418	-101.5088823	83137.1144007383	3432464.853323996	3326.241848750377	3276.7029391215172	3279.1527930103144	1.825006404204732	1.825006404204732	0	0	
259	46	33559	-200661.1413	822097.3170250766	39.13059511811556	-101.5064239	83339.30781915776	3432456.776403238	3324.289372814746	3274.893729814746	3274.893729814746	0	0	0		
260	46	33560	-200001.1413	822097.3170250766	39.13060741181556	-101.5042309	83539.30781915776	3432456.776403238	3324.289372814746	3274.893729814746	3274.893729814746	0	0	0		
261	46	33561	-199341.1413	822097.3170250766	39.13062100634678	-101.5019052	83740.4036300191	3432452.738197109	3315.988117231611	3273.3460759119835	3264.8976521288137	3263.793545673812	8.44428373168601	9.552530344666229	0	0
262	46	33562	-198681.1413	822097.3170250766	39.13063545199784	-101.4995795	83941.4995234526	3432451.760146867	3312.918711871504	3270.931841	3259.167445688818	3256.792537344063	11.764897514263758	14.148917514263758	0	0
263	46	33563	-198021.1413	822097.3170250766	39.130648502710775	-101.4972538	84124.59537098464	3432444.66250309	3308.6550433415536	3268.45446463214	3258.468289710397	3254.304170882150	10.07615671522442	14.20530709756849	0	0
264	46	33564	-													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.f	BRiElevBothKrg.f	SatHtElev.f	SatHtBoth.f
343	46	33843	-145221.1413	822097.3170250766	39.135186257	-101.31119955	000229.910565141	4333922.194023215	3368.112207343407	3191.086403502314	3178.064820227625	3162.4265343873424	13.02158327486965	28.659868964971782
344	46	33844	-144561.1413	822097.3170250766	39.1351582484727	-101.304888	000430.6702323137	4333918.17	3363.064577140243	3187.0607569209185	3174.20460651957	3168.156420994457	11.971750856	22.541548215461262
345	46	33845	-143801.1413	822097.3170250766	39.135024456432	-101.306348	000681.748923939	4333914.83483247	3357.880486984641	3190.2802	3173.849634538966	3164.289252744270	12.44935801113197	16.299023458332371
346	46	33846	-143241.1413	822097.3170250766	39.135162017914286	-101.3048182	000832.82826672914	4333910.123	3352.921318455558	3189.866012450117	3177.035292473613	3170.020384	12.85077871250307	10.86567744
347	46	33847	-142581.1413	822097.3170250766	39.1356217455225254	-101.3018925	001133.9068447211	4333906.096634908	3350.854857708103	3189.461159	3176.24161905717774	3182.688551	13.19540183402387	6.727607747660044
348	46	33848	-141921.1413	822097.3170250766	39.1351421746822	-101.2995667	001234.95847201395	4333905.076467437	3341.85014596339047	3185.420530452935	3185.545510547778	3186.9592018069615	3.475649059126681	
349	46	33849	-141261.1413	822097.3170250766	39.1351640516216164	-101.297241	001436.0631371842	4333898.053473908	3352.8162739782474	3188.5663731619	3174.5142830387827	3186.576223257596	14.05203332836193	1.9135138388592067
350	46	33850	-140601.1413	822097.3170250766	39.1351605657734056	-101.2949152	001637.1418053248	4333894.030652901	3333.786982	3188.049196929367	3173.453608697176	3186.984947303416	1.1996939893809452	
351	46	33851	-139941.1413	822097.3170250766	39.13509125036387	-101.2925894	001839.1707917499	4333890.00804408	3345.659564955907	3187.60481846101	3172.158645593852	3164.292527744270	15.444633597469592	17.119541018218115
352	46	33852	-139281.1413	822097.3170250766	39.1356970014163	-101.290237	002039.2704	4333885.95528427	3352.430242516927	3187.095949372345	3175.503595	3183.316043963903	15.63899151664	3.785900400342343
353	46	33853	-138621.1413	822097.3170250766	39.13579165911729	-101.2879379	002240.3749101672	4333881.9632244635	3351.206479925583	3186.5713800278594	3168.5650342496315	3181.848036310031	18.006303778227903	4.72333171782387
354	46	33854	-137961.1413	822097.3170250766	39.13568788008026	-101.2856122	002441.45522556763	4333877.941093957	3349.982374794745	3186.07406614934	3168.138652125987	3179.8615016617773	19.84308048894715	6.1409854477460795
355	46	33855	-137301.1413	822097.3170250766	39.1356798476222	-101.2832864	002642.5293047014	4333873.919135453	3350.131099952905	3185.467541903687	3163.347946649381	3177.2732828668498	21.1180754008793	8.919413217011
356	46	33856	-136641.1413	822097.3170250766	39.13170726901474	-101.280906	002843.6062477515	4333869.879734427	3351.6529673860723	3184.83678177328	3160.15065894828	3173.664015043618	23.73019562502948	11.2196631372011028
357	46	33857	-135981.1413	822097.3170250766	39.13717654791857	-101.2786349	003048.626994996	4333865.875394972	3353.71843941917	3184.28219071622	3159.370126766607	3168.46392354978	27.551937340514594	15.818266416843926
358	46	33858	-135321.1413	822097.3170250766	39.13172578113474	-101.276091	003245.7595315573	4333861.854294779	3354.696702522754	3183.65981857415	3153.323231	3161.6949671371306	30.33629736453312	21.96475142024756
359	46	33859	-134661.1413	822097.3170250766	39.13173498936161	-101.2739833	003448.83567467315	4333857.83026138	3354.37376285647	3183.051132965474	3150.838100341518	3155.1112303474	32.737059505645	27.90401328160173
360	46	33860	-134001.1413	822097.3170250766	39.13174112713664	-101.2716576	003647.9120245455	4333853.811929946	3352.20616362577	3182.3481745598237	3150.85691501834	3153.743442700687	31.48940395798976	28.60472783777088
361	46	33861	-133341.1413	822097.3170250766	39.1317353116486	-101.2693318	003848.9879813845	4333849.71005189	3350.0384204070107	3181.658172375378	3152.579640476244	3156.432322363465	28.97583671293657	25.4185697389255
362	46	33862	-132681.1413	822097.3170250766	39.13176226461706	-101.267006	004050.0374533806	4333845.70254867	3347.870734184246	3180.9446064146787	3154.565205027782	3158.90913869648	29.3794013869648	22.03532751610194
363	46	33863	-132021.1413	822097.3170250766	39.13177172325457	-101.2646803	004251.1393167434	4333841.7496597	3346.686501307486	3180.20739830161	3156.254720862138	3159.061174938785	29.95267745677267	15.41268033203271
364	46	33864	-131361.1413	822097.3170250766	39.1378022691601	-101.262345	004452.21469571008	4333837.729569484	3348.486168247927	3179.48627132411	3157.620004846265	3161.37123995818	31.022626267587	19.074814832899727
365	46	33865	-130701.1413	822097.3170250766	39.1391011133035	-101.229737	004757.2500110682	4333833.79130135	3349.457146387076	3166.95047494257	3156.901153249825	3157.547117774867	31.278751932760797	28.715149382138
366	46	33866	-130041.1413	822097.3170250766	39.1317802047188	-101.257703	004854.3647716215	4333829.688937726	3346.085240482705	3177.850407084147	3158.990434707457	3161.3650911553614	18.8599724056763	16.145515830530318
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368	46	33868	-128721.1413	822097.3170250766	39.13181564233845	-101.2530514	005256.5142913703	4333821.436937541	3348.05239309892	3176.156705	3157.926226807926	3159.40093617692	18.28208236015736	17.117683692851
369	46	33869	-128061.1413	822097.3170250766	39.13182438138816	-101.2507256	005457.5887112728	4333817.629283016	3348.036806902862	3175.271299304114	3156.49120019161	3157.36550572066236	17.906620949740976	
370	46	33870	-127401.1413	822097.3170250766	39.13183307551548	-101.248399	005658.662399768	4333813.6104589	3348.08957529531	3174.3999838218247	3154.4357677997214	3155.201029	19.92412602210337	19.15898511848475
371	46	33871	-126741.1413	822097.3170250766	39.1381471123035	-101.246074	005859.7286776886	4333809.799121065	3348.68268635907	3173.68481932235	3156.901153249825	3157.547117774867	31.278751932760797	28.715149382138
372	46	33872	-126081.1413	822097.3170250766	39.131850320291	-101.2437483	006068.9102461648	4333805.822263	3348.490485158785	3172.45274712422	3156.347129412730	3157.7803000548	31.6548717414824	21.65485391241643
373	46	33873	-125421.1413	822097.3170250766	39.1318588836298	-101.2414226	006261.88484960043	4333801.533586527	3348.1653489373427	3171.4580989187413	3144.37350633675027	3146.0449677687151	27.08530353990533	25.41384215115977
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375	46	33875	-124101.1413	822097.3170250766	39.131875872319945	-101.236771	006664.0313226754	4333793.516713345	3348.041414090943	3169.380589703823	3135.655148777369	3135.856397701729	33.7299402641329	33.528692
376	46	33876	-123441.1413	822097.3170250766	39.1318842691257	-101.2344452	006865.1048450095	4333789.49783237	3341.11288500534	3169.30514389835	3134.401201	3135.856397701729	33.7299402641329	33.528692
377	46	33877	-122781.1413	822097.3170250766	39.13189265657716	-101.2321194	007068.177304566	4333778.479698446	3337.743430610185	3167.197917507003	3135.2276670733587	3138.064786979764	31.97005643248616	21.15314852246271
378	46	33878	-122121.1413	822097.3170250766	39.1319011133035	-101.229737	007267.2500110682	4333781.6104589	3334.75146387076	3166.95047494257	3156.901153249825	3157.547117774867	31.278751932760797	28.715149382138
379	46	33879	-121461.1413	822097.3170250766	39.13190931155396	-101.227673	007468.3228219524	4333777.4585472	3331.945829130898	3164.90777984163	3153.401819314046	3139.961477051757	34.6767678217436	28.80862392453764
380	46	33880	-120801.1413	822097.3170250766	39.131917546057956	-101.2251421	007669.3949	4333774.62050578	3330.95446006213	3163.725168810193	3153.563211989955	3138.491421437207	37.16196820238174	25.3059473664725301
381	46	33881	-120141.1413	822097.3170250766	39.13192574603792	-101.2228163	007870.46699527046	4333769.4807922645	3328.9632697357	3162.51753844421	3136.4339775166663	3138.43189895185	26.03476447754704	25.04857604938524
382	46	33882	-119481.1413	822097.3170250766	39.1319330109531	-101.2204906	008091.5384055837	4333765.391424927	3327.417979546101	3161.2848979474754	3135.993655527595	3137.967769140215	25.82862242	23.31729073008364
383	46	33883	-118821.1413	822097.3170250766	39.13194201	-101.2181648	008272.6107073622	4333761.734292856	3325.8186736097198	3160.028912842615	3135.954607575534	3135.954607575534	25.82862242	23.31729073008364
384	46	33884	-118161.1413	822097.3170250766	39.13195007492278	-101.215839	008473.6823	4333757.35733034	3322.200742254465	3158.74762738633	3134.79057429134	3136.953490349066	22.1541974006371	15.50470406371
385	46	33885	-117501.1413	822097.3170250766	39.1319581645483	-101.2136027	008674.7538130135	4333753.6104589	3320.27248624116	3158.940674344627	3134.79057429134	3136.953490349066	22.1541974006371	15.50470406371
386	46	33886	-116841.1413	822097.3170250766	39.13196607720098	-101.2111784	008875.8246953014	4333749.33300168	3316.172055416438	3156.1220683113434	3132.940667475041	3134.616847904976	21.1541974006371	15.50470406371
387	46	33887	-116181.1413	822097.3170250766	39.13197405204302	-101.2088617	009076.78693732124	4333745.3071267337						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRIELogKg.f	BRIELogKg.f	SatHtLog.f	SatHtLog.f
594	46	33895	21098.8586730335	822097.3170250766	39.1326407800038055	-100.72509295	58599.8874469624	43923.139.619	2947.7267767782556	2863.2836741973083	2810.1197905678546	2809.725869	53.13696851876243	53.557003082815
596	46	33896	21758.8586730335	822097.3170250766	39.12645621448134	-100.7227667	591.09639371303705	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
597	46	33897	22418.8586730335	822097.3170250766	39.12645115344871	-100.7264689	591.28973698434477	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
598	46	33898	23078.8586730335	822097.3170250766	39.1264569495525	-100.7178615	591.499005881109966	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
599	46	33899	23738.8586730335	822097.3170250766	39.1264097613477	-100.7157892	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
600	46	33900	24398.8586730335	822097.3170250766	39.1264097613477	-100.7157892	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
601	46	33901	25058.8586730335	822097.3170250766	39.12636364639574	-100.711375	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
602	46	33902	25718.8586730335	822097.3170250766	39.12636364639574	-100.7088117	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
603	46	33903	26378.8586730335	822097.3170250766	39.12636364639574	-100.7064689	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
604	46	33904	27038.8586730335	822097.3170250766	39.1263233546738	-100.7041601	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
605	46	33905	27698.8586730335	822097.3170250766	39.1263047256216	-100.7018342	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
606	46	33906	28358.8586730335	822097.3170250766	39.1262856473303	-100.6995084	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
607	46	33907	29018.8586730335	822097.3170250766	39.1262611684377	-100.6971826	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
608	46	33908	29678.8586730335	822097.3170250766	39.1262461430305	-100.6948568	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
609	46	33909	30338.8586730335	822097.3170250766	39.1262257170223	-100.692531	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
610	46	33910	30998.8586730335	822097.3170250766	39.1262040817733	-100.6902051	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
611	46	33911	31658.8586730335	822097.3170250766	39.1261835	-100.6878793	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
612	46	33912	32318.8586730335	822097.3170250766	39.12616173456414	-100.685535	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
613	46	33913	32978.8586730335	822097.3170250766	39.1261386206003	-100.6832277	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
614	46	33914	33638.8586730335	822097.3170250766	39.126116848377	-100.6809018	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
615	46	33915	34298.8586730335	822097.3170250766	39.126097269566	-100.678576	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
616	46	33916	34958.8586730335	822097.3170250766	39.1260701562765	-100.6762502	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
617	46	33917	35618.8586730335	822097.3170250766	39.126043007901	-100.6739251	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
618	46	33918	36278.8586730335	822097.3170250766	39.1260216672009	-100.6715986	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
619	46	33919	36938.8586730335	822097.3170250766	39.1260000000000	-100.6692727	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
620	46	33920	37598.8586730335	822097.3170250766	39.1259781391171	-100.6669469	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
621	46	33921	38258.8586730335	822097.3170250766	39.1259564562988	-100.6646211	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
622	46	33922	38918.8586730335	822097.3170250766	39.1259319281877	-100.662293	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
623	46	33923	39578.8586730335	822097.3170250766	39.125908662886	-100.660006	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
624	46	33924	40238.8586730335	822097.3170250766	39.12588541250584	-100.6576438	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
625	46	33925	40898.8586730335	822097.3170250766	39.12586370442295	-100.6553178	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
626	46	33926	41558.8586730335	822097.3170250766	39.12584180913609	-100.652992	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
627	46	33927	42218.8586730335	822097.3170250766	39.1258197229057	-100.6506662	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
628	46	33928	42878.8586730335	822097.3170250766	39.1257952765185	-100.6483044	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
629	46	33929	43538.8586730335	822097.3170250766	39.1257722856740	-100.6460145	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
630	46	33930	44198.8586730335	822097.3170250766	39.1257492097091	-100.643687	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
631	46	33931	44858.8586730335	822097.3170250766	39.12572586745464	-100.6413328	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
632	46	33932	45518.8586730335	822097.3170250766	39.125702392605	-100.6390371	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
633	46	33933	46178.8586730335	822097.3170250766	39.12567900712323	-100.6367113	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
634	46	33934	46838.8586730335	822097.3170250766	39.1256560042645	-100.6343854	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
635	46	33935	47498.8586730335	822097.3170250766	39.125632537	-100.6320596	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
636	46	33936	48158.8586730335	822097.3170250766	39.1256094026158	-100.629738	591.70014616434964	4329509.638190985	2951.22141229023	2861.5273808595136	2815.5196898597505	2815.2580415276207	46.66933832799293	46.66933832799293
637	46	33937	48818.8586730335	822097.3170250766	39.125586297091	-100.627413	591.70014616434964	4329509.638190985	2951.221412					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
721	46	34021	104258.85867307335	822097.3170250766	-93.13210952347498	-100.4320043	72625.39379578875	432341.400186411	2763.596678905386	2672.029461101731	2616.8306711342175	2616.218429578238	51.78897969713676	55.81103152349306
722	46	34022	104618.85867307335	822097.3170250766	-93.13210240451896	-100.4297145	73626.4134313705	433049.40878243	2766.066348365944	2670.560241252295	2613.743055689126	2616.19380142764676	56.8170856277665	56.8170856277665
723	46	34023	105278.85867307335	822097.3170250766	-93.13209518966554	-100.413454	73627.4329479633	433405.481939672	2763.925948672166	2671.1861423710544	2610.524698437312	2616.218429578238	57.22113271005447	58.54429203439886
724	46	34024	106058.85867307335	822097.3170250766	-93.13208083183215	-100.4250679	73628.4523457251	433501.52037092	2765.17576827687	2667.616774	2609.8517301668167	2608.9481732445613	57.7650433397317	59.1180604204856
725	46	34025	106888.85867307335	822097.3170250766	-93.132080778	-100.4227371	737029.4716248965	433239.564370492	2750.3146617642953	2666.1454048925398	2608.4224485451086	2607.5254085106077	57.722966347431136	58.820185504193212
726	46	34026	107558.85867307335	822097.3170250766	-93.13207374965916	-100.4204113	737230.4907585767	433203.650833962	2743.631764767863	2664.675967600644	2606.53268942845	2605.920418434739	58.17169895779865	58.71391761695002
727	46	34027	108218.85867307335	822097.3170250766	-93.1320671389546	-100.4180856	737431.5088225221	433239.64748794	2743.246749	2663.2093801916663	2604.969646	2604.3588139921863	58.2397139921863	58.8503381281026
728	46	34028	108878.85867307335	822097.3170250766	-93.13205687440217	-100.4157598	737632.5275284705	433365.68926979	2731.239226944626	2661.74293203174	2603.703227115757	2603.10676253629	58.305669210166	58.639303060483
729	46	34029	109638.85867307335	822097.3170250766	-93.132051371896554	-100.413454	737833.5474598957	433281.91264508	2726.239836315057	2660.287308427065	2602.869562209638	2602.869562209638	58.71391761695002	59.8206396898955
730	46	34030	110198.85867307335	822097.3170250766	-93.13204335647146	-100.4111982	738034.5654288956	433277.773411378	2719.22629739649	2658.52992	2602.4410751702567	2601.57108222554	57.91391761695002	59.71391761695002
731	46	34031	110858.85867307335	822097.3170250766	-93.1320363128638	-100.4087824	738235.5848027461	433273.811572266	2710.342319483764	2657.367694889188	2602.082725730213	2601.7780225254	54.2489685075724	55.18898236314736
732	46	34032	111518.85867307335	822097.3170250766	-93.132028744200867	-100.4065466	738436.6032735415	433239.985219076	2728.5812453871206	2655.900590046107	2602.3340410135684	2602.7673042581232	52.6665409233866	53.1328758794765
733	46	34033	112178.85867307335	822097.3170250766	-93.13202111093566	-100.4041308	738637.6216131518	433265.80867819	2726.821711290541	2654.428325985796	2602.9995	2602.21854932215	51.42828294	52.09757665654734
734	46	34034	112838.85867307335	822097.3170250766	-93.13201347	-100.4018051	738838.63963411004	433261.349392004	2715.050991739229	2652.90536328061	2603.281061738004	2602.411179479339	49.66947459725794	50.53936584967338
735	46	34035	113498.85867307335	822097.3170250766	-93.1320057	-100.3994793	739039.65793851094	433257.96868408	2718.914701347985	2647.613086843924	2603.485275960975	2604.731294828036	46.7606738158878	47.589098467
736	46	34036	114158.85867307335	822097.3170250766	-93.1319802223518	-100.3971535	739240.670255884	433254.02948095	2718.374299969416	2646.978905894163	2603.697903839784	2604.87560241567	44.2807203063453	45.1081366534093
737	46	34037	114818.85867307335	822097.3170250766	-93.1319802293683	-100.3948277	739441.6937789457	433250.073180051	2717.83126506831	2648.4847524057973	2601.634504903717	2601.63035060789	48.8520519670022	48.8401184318005
738	46	34038	115478.85867307335	822097.3170250766	-93.1319623171598	-100.3925219	739642.715544086	433234.116681269	2717.30195351014	2646.965018325255	2598.86045162491	2601.317434843271	48.125063670101	45.6680669832078
739	46	34039	116138.85867307335	822097.3170250766	-93.1319745097233	-100.3901761	739843.72919462336	433234.160351739	2715.440590443393	2645.480951024197	2596.15483888046	2596.69544044282	49.32946712538705	46.7850716197093
740	46	34040	116798.85867307335	822097.3170250766	-93.13196651850006	-100.3878504	740044.7917912037	433232.204191455	2714.2524186844075	2643.971097421075	2600.362396771924	2600.3694159495828	44.02943795154042	44.02943795154042
1	47	34041	-370941.1431	822757.3170250766	-93.1273875362175	-102.1068984	321451.6785821866	433509.6518615645	4021.999890603983	3874.356364674047	3864.65207383389	3864.65207383389	17.53441636831764	7.54311646730016
2	47	34042	-370281.1431	822757.3170250766	-93.127147180195	-102.104255	321516.852917952578	433505.720997073	4015.879020945288	3873.066911264808	3865.26664407823	3867.094637844575	8.70027076605093	5.97277348055035
3	47	34043	-369541.1431	822757.3170250766	-93.1271203827106	-102.101692	321659.684937775	433510.58024494	4014.9358149434	3871.777777777778	3865.428374429037	3865.428374429037	9.585098467	6.738789579
4	47	34044	-368961.1431	822757.3170250766	-93.1274030207965	-102.099046	322055.1539053035	4335497.4655015325	4014.130277317652	3870.489308929273	3866.731473821967	3865.30133282636	8.7583077175563	4.10951672476327
5	47	34045	-368301.1431	822757.3170250766	-93.12748818714187	-102.0972792	322556.31102714752	4335482.4652021	4011.906744585102	3869.20254357401	3868.308381590334	3867.93510638692	7.863287737304316	3.1267387737304316
6	47	34046	-367641.1431	822757.3170250766	-93.1275132649241	-102.094537	322457.46819800208	4335489.39604039	4009.68542158666	3867.91647457627	3870.36193317723	3870.079487	0	0
7	47	34047	-366981.1431	822757.3170250766	-93.1275282633041	-102.092823	322658.6210331383	4335485.316918032	4007.72771985212	3866.631381433317	3872.745715133747	3872.571014068457	0	0
8	47	34048	-366321.1431	822757.3170250766	-93.127563127566	-102.090378	322859.781	4335481.234407175	4006.0418005485	3865.34703368071	3873.11452695085	3873.091961488676	0	0
9	47	34049	-365661.1431	822757.3170250766	-93.12758698120766	-102.087924	323060.5381182118	4335483.92246958	4004.853324684455	3876.075888817664	3876.196342132685	0	0	
10	47	34050	-365021.1431	822757.3170250766	-93.127617572775	-102.085652	323242.909720628	4335473.050910078	4003.7519225927	3874.050910078	3874.050910078	3874.050910078	0	0
11	47	34051	-364341.1431	822757.3170250766	-93.127637756525	-102.083326	323463.25007320818	4335468.96792543	4002.5300326514	3861.498531129694	3871.349302359316	3872.01250784632	0	0
12	47	34052	-363681.1431	822757.3170250766	-93.1276765184012	-102.081011	323664.0456538692	4335464.906115138	3997.95406899025	3860.275664140887	3868.205975489246	3868.96047474737	0	0
13	47	34053	-363021.1431	822757.3170250766	-93.12768728205414	-102.0786756	323865.5609702519	4335460.82479941	3995.375059462373	3858.93720596491	3860.517197898305	3861.297395520522	0	0
14	47	34054	-362361.1431	822757.3170250766	-93.12771196765364	-102.0763502	324066.7160224058	4335456.73019856	3992.79699392914	3857.659108	3854.721974370734	3855.616986715704	2.9371339020959758	2.0422115560127168
15	47	34055	-361701.1431	822757.3170250766	-93.1277366819895	-102.074027	324267.87018018184	4335452.661734875	3992.2648184562724	3849.33270628654	3850.353172648872	3850.353172648872	7.0384702865742	6.02867392
16	47	34056	-361041.1431	822757.3170250766	-93.127761203827106	-102.071692	324469.0235414258	4335450.58024494	3991.872293174521	3848.700274759947	3848.700274759947	3848.700274759947	10.002751122847	9.585098467
17	47	34057	-360381.1431	822757.3170250766	-93.1277857544282	-102.0693738	324677.17965506	4335444.99960208	3989.199735654573	3853.8315682317658	3840.4973408972456	3841.396548159715	13.5842204232295	12.43530779574237
18	47	34058	-359721.1431	822757.3170250766	-93.1278102634599	-102.0670483	324871.3335943954	4335440.41893504	3988.675641153048	3852.59370918385	3836.303927051026	3838.245679306123	16.255433228235	14.31969141256662
19	47	34059	-359061.1431	822757.3170250766	-93.1278432123661	-102.0647229	325057.48239115905	4335436.338	3986.21678931013	3851.28727527847	3832.830623795323	3832.830623795323	18.45809514752374	15.926985899677
20	47	34060	-358401.1431	822757.3170250766	-93.12785913721466	-102.0623794	325273.6408011412	4335432.257036331	3984.820480401213	3850.02031	3829.611647015572	3829.611647015572	20.8345850907764	17.2334597629625
21	47	34061	-357741.1431	822757.3170250766	-93.1278838028004	-102.0600719	325474.7901024873	4335431.77018495	3983.421471492535	3848.704035837547	3828.930277389967	3828.930277389967	21.8375179787515	17.75156296305414
22	47	34062	-357081.1431	822757.3170250766	-93.127907843442705	-102.0577465	325675.7465378	4335429.076424424	3982.07557485	3847.491081385746	3826.061451857285	3826.061451857285	23.4306621257944	18.50159972289133
23	47	34063	-356421.1431	822757.3170250766	-93.1279281576706	-102.055488	325876.85943775	4335427.97598051	3980.49164839275	3846.2214727845	3824.8201429863316	3824.8201429863316	24.9306170862365	19.67108622227033
24	47	34064	-355761.1431	822757.3170250766	-93.12795635	-102.0530595	326076.2506387189	4335415.938	3981.042821924857	3844.97268834106	3821.10359700749	3825.931163190473	23.8690773661713	18.43355236432626
25	47	34065	-355101.1431	822757.3170250766	-93.12798054341411	-102.0507701	326279.40242243654	4335411.8551446	3976.51823112206	3843.7410059792473	3819.480620439905	3822.118526638	23.8421855425668	17.9618752320676
26	47	34066	-354441.1431	822757.317025076										

ix	iy	clat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLvsKgr.ft	BR ElevHgtKgr.ft	SatThLvsLg.ft	SatThBthLg.ft
107	47	34147	-300981.1413	822757.3170250766	39.12981139686174	-101.8600766	252773.0100312303	4335077.932	3799.7547591697526	36.76.163081546398	36.76.1656843079436	3688.5729802603355	30.997397238454596	17.59010128060269
108	47	34148	-300321.1413	822757.3170250766	39.12983186	-101.85771	252974.1411724252	4335073.66699073	3794.793004484891	37.03.50205898147	36.71.2874620581565	3686.8454834103265	32.21502762351445	16.656676171344432
109	47	34149	-299661.1413	822757.3170250766	39.12985227084229	-101.8545426	253175.029896373	4335080.01844737	3789.82384978629	36.84.6283756234187	36.85.6678451283307	36.85.6678451283307	33.33963536955429	16.84037210081306
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111	47	34151	-298341.1413	822757.3170250766	39.129892981357216	-101.8507743	253577.53312900817	4335061.672658374	3779.611203848763	36.95.4862575397403	36.95.8519213650043	36.75.8656911811426	15.64660388969742	19.51283585997724
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151	47	34191	-271941.1413	822757.317										

ix	iy	Xc	Yc	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRELEVLogKrg.f	BRELEVBothKrg.f	SurfBothKrg.f	
233	4273	-217821.1413	822757.3170250766	39.13206096665415	-101.5670433	278113.67429352074	43345667.109777895	3402.2339314397555	3351.7038153560883	3347.610674342726	3349.467479569338	4093140122362488	2.23633570572481
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262	4302	-198681.1413	822757.3170250766	39.13244714	-101.4995489	283945.3945	4334449.93	3319.4978889153	3272.515634561384	3271.561196834372	3265.9331581377	16.8795877095317	14.24268074795627
263	4303	-198021.1413	822757.3170250766	39.13246064196971	-101.4972711	284146.6379443004	4334445.89223434	3316.353008788738	3269.784402495257	3273.322533832056	3253.155313969412	10.06508196600119	16.564028085137
264	4304	-197361.1413	822757.3170250766	39.13247400103195	-101.4944563	284347.3398389164	4334441.85434356	3312.891370266887	3267.337155071337	3257.276761	3251.00135361763	12.0494848375375	16.33582043337087
265	4305	-196701.1413	822757.3170250766	39.13248750931535	-101.4926196	284548.8286400084	4334437.81626581	3309.4325015450333	3308.358085785263	3255.52016	3246.796441775148	9.46289772526408	18.18659710047814
266	4306	-196041.1413	822757.3170250766	39.1325005760615	-101.4902938	284749.9326702314	4334433.7079363	3305.973303	3262.656464747456	3252.484298118964	3241.12276213252314	10.17176735849259	21.21472215214206
267	4307	-195381.1413	822757.3170250766	39.13251419697584	-101.4879387	284951.018487398	4334429.74170391	3304.58924326904	3260.35681959581	3248.5365284815622	3248.5365284815622	11.8202897157819	26.295497961696234
268	4308	-194721.1413	822757.3170250766	39.13252747423263	-101.4854423	285152.11392747	4334425.70447781	3302.3157172404677	3257.4561196834372	3246.167250459497	3246.167250459497	14.0222963719456	31.8354333776019
269	4309	-194061.1413	822757.3170250766	39.1325407450509	-101.4833166	285353.20748570416	4334421.6674684	3300.7724251437	3255.823386218935	3250.3327796403968	3226.6174975197383	16.2005982779599	33.20584110215866
270	4310	-193401.1413	822757.3170250766	39.13255389155176	-101.4809098	285554.30616772107	4334417.630612493	3306.34895553105	3253.59046651222	3235.457676830928	3223.727368054324	18.13279971529416	29.86309500896104
271	4311	-192741.1413	822757.3170250766	39.1325670323879	-101.478665	285755.3956373837	4334413.59392891	3301.3753109268487	3251.37841103173	3231.564601260943	3226.174283262117	18.9138098421741	25.20147108050576
272	4312	-192081.1413	822757.3170250766	39.1325801300008	-101.4763393	285956.48903624627	4334409.55424099	3301.0968895915025	3249.1879070122923	3229.0004349	3220.3404326287535	16.20782807155205	18.754538283693
273	4313	-191421.1413	822757.3170250766	39.13259381814436	-101.4740135	286167.582940563	4334405.521084495	3300.754576393338	3247.019352	3226.79642431469	3226.79642431469	20.23297269217723	17.472427625842694
274	4314	-190761.1413	822757.3170250766	39.1326061867043	-101.4718677	286368.6720814305	4334401.48482171	3300.97643871507	3244.87338614258	3224.560296	3223.455276993403	20.307097009596	14.20559564355058
275	4315	-190101.1413	822757.3170250766	39.1326193787678	-101.4695874	286576.768673876	4334397.48482171	3300.97643871507	3244.87338614258	3224.560296	3223.455276993403	20.307097009596	14.20559564355058
276	4316	-189441.1413	822757.3170250766	39.13263267633326	-101.4673032	286760.8623239967	4334393.41116089	3300.97643871507	3244.87338614258	3224.560296	3223.455276993403	20.307097009596	14.20559564355058
277	4317	-188781.1413	822757.3170250766	39.1326454899677	-101.4647104	286961.9502876854	4334389.377431895	3301.37750926163	3238.583421810034	3216.092287990672	3234.37128344326	20.421133819693126	14.2121387205541
278	4318	-188121.1413	822757.3170250766	39.13265776720316	-101.4623847	287163.0524546583	4334385.342003559	3301.37750926163	3238.583421810034	3216.092287990672	3234.37128344326	20.421133819693126	14.2121387205541
279	4319	-187461.1413	822757.3170250766	39.13267054953112	-101.4600589	287364.13981050556	4334381.36710841	3301.37750926163	3238.583421810034	3216.092287990672	3234.37128344326	20.421133819693126	14.2121387205541
280	4320	-186801.1413	822757.3170250766	39.13268326950224	-101.4								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SurfAtchKgr.ft	SurfBothKgr.ft
359	47	34399	-134661.1413	822757.3170250766	39.13354758616989	-101.2739951	30450.86120424717	4334059.43984093	33527.2541311482705	3183.845613988745	3157.374630155703	3147.278103282564	34.708833304183	36.56743306848405
360	47	34400	-134001.1413	822757.3170250766	39.13355629751585	-101.2716693	30361.9371744548	4334055.52396355	3355.005135697002	3183.1776537801585	3154.1890558195238	3147.184336171768	36.9880526063476	39.594403166452254
361	47	34401	-133341.1413	822757.3170250766	39.133568316510646	-101.2693454	30363.9128344717	4334051.00181872	3358.758140048274	3182.466273257067	3158.042714028916	3151.650573265781	34.462373265781	36.42041893516
362	47	34402	-132681.1413	822757.3170250766	39.13357488214591	-101.2670176	30354.00855316066	4334046.989334048	3350.1571487044647	3181.776821785566	3151.33340250239935	3154.7033177053	37.0686447800577	37.0686447800577
363	47	34403	-132021.1413	822757.3170250766	39.1335838095766	-101.2646918	30425.1639293215	4334042.95959762	3349.194815497366	3181.032539783563	3153.212139	3156.257996659756	27.8186402712183075	27.8186402712183075
364	47	34404	-131361.1413	822757.3170250766	39.13359258446707	-101.262366	30445.62391289805	4334038.9389727265	3348.8191533544396	3180.268993036747	3154.4453863543024	3157.58544	25.6236875373222	25.6236875373222
365	47	34405	-130701.1413	822757.3170250766	39.133601738111066	-101.2600401	30465.34131364836	4334034.915845296	3348.443982116074	3179.480736116994	3155.1563020842186	3157.961402046015	24.324434032715	24.324434032715
366	47	34406	-130041.1413	822757.3170250766	39.13361064785257	-101.2577143	30485.38895196974	4334030.89264065	3348.06782608717	3178.675497361694	3155.607508916095	3158.1413578169	23.0004035427759	23.0004035427759
367	47	34407	-129381.1413	822757.3170250766	39.133619476970594	-101.255388	30509.463659541	4334026.782127112	3348.46698113485	3177.629452294763	3155.247712869677	3157.337417337321	22.846745469585	22.846745469585
368	47	34408	-128721.1413	822757.3170250766	39.13362831165164	-101.2530627	30550.6030774075	4334022.85310157	3348.58005134937	3176.9571593118	3154.3454232849487	3155.21354535959	22.727173504539	22.727173504539
369	47	34409	-128061.1413	822757.3170250766	39.133637	-101.250738	30561.612248437	4334018.83587454	3348.713422573789	3176.079784585082	3152.803631096777	3153.786702	22.6276153840425	22.6276153840425
370	47	34410	-127401.1413	822757.3170250766	39.1336456478371	-101.248411	30562.686297395	4334014.81914025	3351.8467931082215	3175.164680118991	3150.67623964015	3154.96878823108	24.48840470957547	24.48840470957547
371	47	34411	-126741.1413	822757.3170250766	39.1336534420765	-101.2460582	30563.760156451	4334010.79962548	3351.620124020925	3174.221194	3147.8731562429502	3150.891027633377	23.68308186759823	23.68308186759823
372	47	34412	-126081.1413	822757.3170250766	39.1336614870808	-101.2437593	30604.8328419706	4334006.78409528	3350.03341230882	3173.249041629131	3144.477377780334	3146.7896907205745	28.77355381109781	28.77355381109781
373	47	34413	-125421.1413	822757.3170250766	39.13367151	-101.2414335	30625.80170036214	4334002.761365944	3348.446702396447	3172.248529764651	3148.487398639363	3141.9933441479608	31.76081113	26.420549616699303
374	47	34414	-124761.1413	822757.3170250766	39.1336802224235	-101.2391077	30646.9608811256	4333998.124492298	3348.859915842015	3171.2170383247	3138.056092134443	3136.47799559878	35.41204717268988	34.737087226898
375	47	34415	-124101.1413	822757.3170250766	39.133688624671986	-101.2367818	30668.0658	4333993.72793478	3344.38622349214	3170.157307021355	3130.46123248465	3130.21249567478	36.96907457280836	36.96907457280836
376	47	34416	-123441.1413	822757.3170250766	39.1336969174797	-101.234456	30689.126691141	4333990.705267174	3341.025407	3169.067708345281	3129.108213	3129.8075093916483	39.95495363531005	39.95495363531005
377	47	34417	-122781.1413	822757.3170250766	39.1337052793861	-101.2321302	30700.19408325	4333986.68691373	3337.664870373456	3165.922708196453	3132.01815258968	3132.1910384017803	35.9354566677235	35.7617238778604
378	47	34418	-122121.1413	822757.3170250766	39.13371363231899	-101.2298043	30721.271935686	4333982.668732084	3332.6037637611	3166.811511839769	3133.300611295019	3133.866945436707	35.31000544706224	32.94456630620254
379	47	34419	-121461.1413	822757.3170250766	39.1337219235402	-101.2274785	30742.3442770555	4333975.60723289	3331.9057919074826	3164.46848424426	3134.099320884152	3135.364037146743	35.10510963830792	35.10510963830792
380	47	34420	-120801.1413	822757.3170250766	39.13373016746533	-101.2251527	30763.61462257455	4333974.632886975	3330.470606261957	3164.4511949237008	3134.48009426954	3135.363774521187	39.36309549748973	38.25742002513835
381	47	34421	-120141.1413	822757.3170250766	39.133740817652974	-101.2228919	30784.61523145	4333970.81223145	3329.4191381057	3163.42719210887	3133.812819511788	3134.891783244477	32.9583787037785	32.9583787037785
382	47	34422	-119481.1413	822757.3170250766	39.13374552291689	-101.220501	308075.5015371194	4333966.59717385	3327.60039800515	3161.96711	3134.3790046544185	3135.92218565379	27.60805972281556	27.60805972281556
383	47	34423	-118821.1413	822757.3170250766	39.13374564832708	-101.218752	308265.613736858	4333962.58041287	3325.44059000557	3160.718096784063	3134.0024013585817	3135.438881110294	26.7159543	26.7159543
384	47	34424	-118161.1413	822757.3170250766	39.13376268673486	-101.2158493	308477.703130737	4333958.56266443	3322.556045440626	3159.42436003604	3133.458274445157	3134.098145088773	25.8354259208829	25.8354259208829
385	47	34425	-117501.1413	822757.3170250766	39.13377019166165	-101.2135235	308678.7437369682	4333950.7519280863	3319.67119280863	3158.10777686422	3132.6793210859865	3134.080662420484	25.42655880436306	24.0982712643749
386	47	34426	-116841.1413	822757.3170250766	39.13377869473505	-101.2111978	3088979.8454	4333950.52490994	3316.789940217245	3156.70732719366	3131.702530786055	3133.61241428395	25.0678454733109	23.709134843541506
387	47	34427	-116181.1413	822757.3170250766	39.13378666253015	-101.2088172	309176.2588922	4333945.128617715	3314.212049517246	3155.4126823198734	3130.83623198734	3131.6218943653285	24.89136082476814	24.89136082476814
388	47	34428	-115521.1413	822757.3170250766	39.133794511101456	-101.205548	309281.986289952	4333942.49640573	3312.9304788272	3154.42719210887	3130.61217484585	3131.56121784585	25.725039028709	25.725039028709
389	47	34429	-114861.1413	822757.3170250766	39.13380235185889	-101.2042201	309483.05728479684	4333938.480120787	3309.681322206113	3152.64116939351	3128.0059091190436	3129.073804325944	24.63556027	23.5673468065678
390	47	34430	-114201.1413	822757.3170250766	39.13381014777254	-101.201843	309684.1275530256	4333934.46009418	3307.415956272266	3151.226865386984	3126.49560420467	3127.63718234631178	23.591069416703	23.591069416703
391	47	34431	-113541.1413	822757.3170250766	39.1338179	-101.1995684	30985.19763531757	4333930.448096348	3305.2541712591506	3149.79971829202	3124.915273587392	3126.1223024515715	24.88444461182654	23.67741608350405
392	47	34432	-112881.1413	822757.3170250766	39.133825604748225	-101.1972426	31008.2657407555	4333926.432023595	3303.19596082918	3148.35637573771	3123.608687108966	3124.61610610825	24.595407467435	23.73947479116082
393	47	34433	-112221.1413	822757.3170250766	39.1338325685024	-101.1949168	310287.3272359526	4333922.416707664	3301.137750238376	3146.89778078488	3122.11901389747	3123.047840957494	23.71974040872124	23.85598398272143
394	47	34434	-111561.1413	822757.3170250766	39.13384082623566	-101.1925919	31048.406746216	4333918.15232145	3300.47719210887	3145.42719210887	3120.5193181051	3121.891783244477	32.9583787037785	32.9583787037785
395	47	34435	-110901.1413	822757.3170250766	39.13384653282629	-101.1902551	310689.476097582	4333914.386	3300.137750238376	3145.42719210887	3120.5193181051	3121.891783244477	32.9583787037785	32.9583787037785
396	47	34436	-110241.1413	822757.3170250766	39.1338559761287	-101.1879392	31080.54528185	4333910.37095797	3299.09017115745	3142.4537978182546	3117.17437863778	3118.21428783072	25.2793605474564	24.31254913182508
397	47	34437	-109581.1413	822757.3170250766	39.13386364101924	-101.1856134	311091.6142129524	4333906.56025635	3294.784570090053	3140.95294297516	3115.5113079383655	3116.428008017862	25.45107103415568	24.52312415455388
398	47	34438	-108921.1413	822757.3170250766	39.13387089701644	-101.1832875	311292.682925904	4333902.341319672	3293.478224018254	3139.42686296166	3113.535072672401	3114.631281897346	25.0798957215715	24.81168673270057
399	47	34439	-108261.1413	822757.3170250766	39.13387828906009	-101.1809617	311493.751586131	4333898.32679119	3291.8177359258735013	3137.925852735013	3112.834182863093	3116.15522651409441	25.0914573407801	25.0914573407801
400	47	34440	-107601.1413	822757.3170250766	39.13388535904512	-101.1786339	311844.82	4333894.31270892	3289.804340760196	3136.402899776265	3110.931422605258	3114.81688138493	24.4617065009342	24.3680136771558
401	47	34441	-106941.1413	822757.3170250766	39.13389346740484	-101.176392	312165.885194719	4333890.174545699	3287.63777078451	3135.17466331024	3110.19001	3113.7466331024	24.9107128656903	24.9107128656903
402	47	34442	-106281.1413	822757.3170250766	39.13390019419444	-101.1739842	312096.95625890034	4333886.284	3285.77677028437	3133.4054963545076	3108.3567631233	3110.229141304194	26.91006222843317	26.91006222843317
403	47	34443	-105621.1413	822757.3170250766	39.13390746053886	-101.1716683	312288.0241140724	4333882.27041231	3283.66159					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
487	34525	-15101.14133	822757.3170250766	39.134345901197975	-100.9609376	328784.9802917354	4333563.71837407	3143.766505550581	294.9782561083716	2932.423936846208	2932.2697665686355	2932.5513926216352	62.7084893793609	
488	34526	-50841.14133	822757.3170250766	39.13434938422724	-100.9798117	328986.0355118867	4333549.71879606	3141.525984166207	2929.33861265027	2929.33861265027	2929.33861265027	2929.33861265027	63.5807866432264	
489	34527	-48621.14133	822757.3170250766	39.134352253164	-100.9623658	329187.0866216772	4333545.71893457	3138.487196636916	2931.68962196229	2931.68962196229	2931.68962196229	2931.68962196229	63.8912689793564	
490	34528	-45049.14133	822757.3170250766	39.13435621581145	-100.973396	329886.1396570435	4333541.720108885	3141.525984116031	2990.0682815357486	2990.953251315845	2926.6781331155485	63.1150266416413	63.3895744122557	
491	34529	-48861.14133	822757.3170250766	39.1343596416578	-100.9716341	329589.1929265666	4333537.721025949	3135.813036	2988.4613502283896	2926.125573738107	2926.6545039104265	61.7696274902527	62.60686431796312	
492	34530	-44201.14133	822757.3170250766	39.1343627695534	-100.9693802	329790.2449203202	4333536.72114317	3137.959129110893	2966.8661282207177	2925.1529844809814	2924.8211974735621	61.7131387397322	62.04430174499487	
493	34531	-45741.14133	822757.3170250766	39.1343661261037	-100.9698823	329991.29734797846	4333529.723374879	3132.3323107892625	2985.2813240347834	2924.0141777894078	2923.6766065622134	61.2699646252134	61.61099625273886	
494	34532	-46881.14133	822757.3170250766	39.1343693360331	-100.9646565	330122.3496076951	4333525.72406731	3138.882085	2983.706958185675	2924.748971078566	2922.71134405261	61.59961710771884	61.59961710771884	
495	34533	-46221.14133	822757.3170250766	39.134372253358	-100.9623658	330353.4917013889	4333521.726410164	3138.487196636916	2982.1443939406204	2920.353268092903	2920.4841831914504	61.781133821977159	62.0962107233696	
496	34534	-45561.14133	822757.3170250766	39.13437563	-100.9604047	330594.4336225275	4333517.7281165	3127.918633157114	2990.5940330153559	2917.589418257894	2917.419059942733	63.0465147717756	63.174982701032416	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SatHtKgr.f	SatHtBothKgr.f
611	47	34651	31658.8586730335	22757.5710250766	39.13443099084276	-100.6878769	351.166.44008410695	4335051.17932888	2954.039751513934	28.6455989494908	2818.6655242550346	2819.617889	18.18007269445157	17.227703395990703
612	47	34652	3321.8586730335	22757.5710250766	39.13442881345663	-100.6885507	354317.4764121269	4330347.13999401	2951.6606135111537	2834.520724	2827.360803171474	2828.9259453619249	17.5991205795162649	5.99153834081717
613	47	34653	36938.8586730335	22757.5710250766	39.134436681103974	-100.6832748	354549.6180091362	4330343.165	2949.2815711869398	2832.9667474002212	2831.4376897718188	2825.476897718188	11.54896347894545	10.5897223032777
614	47	34654	36368.8586730335	22757.5710250766	39.13442432	-100.6809507	354179.54181119055	4330248.192618	2946.2042810254173	2813.0953613485087	2813.5427445242913	17.9540470590256	17.50461615	
615	47	34655	34298.8586730335	22757.5710250766	39.13442201162362	-100.6787573	354520.57516462224	4330305.26602909	2947.824709639707	2829.1080992010047	2806.3553344978186	2806.2084567266284	22.753547703186132	22.90048352437634
616	47	34656	34958.8586730335	22757.5710250766	39.13441265449536	-100.6762471	355121.60841686228	4330313.229468308	2943.845810011117	2827.173092	2800.5371135255746	2800.0694868791347	22.937918031251274	22.1703040548755113
617	47	34657	3561.8586730335	22757.5710250766	39.13441725244324	-100.6739213	355322.6415085963	4330272.25261301	2942.584461039143	2825.242221037996	2795.674651122415	2794.8501766880536	33.906770981348524	33.90150514756996
618	47	34658	36278.8586730335	22757.5710250766	39.13441480565575	-100.6715954	355523.6749698679	4330323.275426389	2941.3330771071	2832.318564080505	2791.4879698974437	2791.834531394136	21.43690719046524	30.040779287994
619	47	34659	36938.8586730335	22757.5710250766	39.13441123	-100.6695895	355624.7027088836	4330319.28401791	2940.616794663824	2821.4042995489453	2787.78173050169	2787.6524694877644	34.725910268414265	34.725910268414265
620	47	34660	37598.8586730335	22757.5710250766	39.1344007576735254	-100.6669438	355625.791819432	4330315.32177802	2940.511595611158	2819.5011595611158	2784.4458370859555	2782.3478453597236	35.0529025565736	17.1572852913812
621	47	34661	38258.8586730335	22757.5710250766	39.134400719	-100.6646178	355726.7724755434	4330311.345224037	2940.55389383488	2817.6100408486745	2780.718798	2779.09030832716	36.90124317	38.1590537145851
622	47	34662	38918.8586730335	22757.5710250766	39.13440547	-100.6622919	356327.804664208	4330307.368891307	2940.492509303815	2817.31306565055	2778.050343295505	2774.880725081357	37.72596313550457	40.85054398425566
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626	47	34666	41558.8586730335	22757.5710250766	39.13439361234486	-100.6538274	357131.9303730547	4330291.46534012	2938.1332967007	2808.339896	2760.383591938107	2767.400488309087	38.9424612975951	40.935497
627	47	34667	42218.8586730335	22757.5710250766	39.13439076104244	-100.6506265	357332.9673424754	4330287.484973026	2938.495613393385	2808.5174018349385	2767.1246236713905	2767.611771446280	39.99267716354797	39.99056338850996
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629	47	34669	43538.8586730335	22757.5710250766	39.13438492366274	-100.6460107	357735.20271182044	4330279.533323254	2935.9548586192	2802.916105983697	2764.4528181564087	2764.485217	38.4632872728824	38.463889662904
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633	47	34673	46188.8586730335	22757.5710250766	39.1343727698028	-100.6367793	358589.591124385	4330261.580471425	2920.8291449012435	2794.032411601435	2760.1983211562283	2760.1983211562283	35.424132309612	
634	47	34674	46838.8586730335	22757.5710250766	39.1343704402569	-100.6343813	358740.18284411146	4330259.661820795	2917.471026	2794.118989610465	2758.3389730671925	2760.171397526234	33.90701654327363	33.90701654327363
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637	47	34677	48581.8586730335	22757.5710250766	39.13435978	-100.6274037	359343.2721804727	4330247.34734078	2911.424553	2788.9787241006432	2756.1716884591627	2756.1716884591627	32.84703541540515	32.84703541540515
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639	47	34679	50188.8586730335	22757.5710250766	39.13435305126745	-100.6227563	359745.3345179724	4330239.797204716	2907.890523989483	2785.03876298463	2754.987698728446	2754.987698728446	31.67881396685408	
640	47	34680	50798.8586730335	22757.5710250766	39.13435025511175	-100.6204261	359946.364348579	4330235.42403034	2906.1512551168574	2784.0458371230575	2753.94207271733	2753.94207271733	30.986720712098	
641	47	34681	51458.8586730335	22757.5710250766	39.13434631	-100.6181002	360147.3941416827	4330231.9058034674	2903.531726251475	2782.26548021736	2751.784053561988	2751.785115831137	30.4807965554778	30.4807965554778
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645	47	34685	54098.8586730335	22757.5710250766	39.1343317554367	-100.6087467	360951.5189964308	4330215.960265296	2900.7570874982448	2775.7089731008473	2745.668077357796	2745.7590331501066	29.658265743051397	29.658265743051397
646	47	34686	54798.8586730335	22757.5710250766	39.13432850561398	-100.6064778	361152.54097759	4330211.98091425	2900.800241	2774.032411601435	2743.1980291591453	2743.1980291591453	29.6182801511014	29.6182801511014
647	47	34687	55418.8586730335	22757.5710250766	39.13432430076114	-100.604145	361353.5699565474	4330205.197847225	2900.15702046927	2772.4905364321626	2740.8390424817893	2740.8390424817893	29.581323170336	29.581323170336
648	47	34688	56078.8586730335	22757.5710250766	39.13432051	-100.6018191	361554.5987902143	4330204.00444344	2899.52220046464	2770.899233480913	2737.841731746192	2737.841001282078	33.0567073472097	33.0567073472097
649	47	34689	56738.8586730335	22757.5710250766	39.13431667	-100.5994932	361755.6249563626	4330200.72131395	2898.259171291748	2769.31971291748	2734.615847058845	2734.615847058845	34.70376513864396	
650	47	34690	57398.8586730335	22757.5710250766	39.1343127818151	-100.5971673	361956.56059978365	4330196.70148557	2898.75455273868	2767.75455273868	2734.51988823736	2734.51988823736	32.2556080776365	32.2556080776365
651	47	34691	58058.8586730335	22757.5710250766	39.1343085231208	-100.5948415	362157.6849048727	4330192.12955953	2898.2505455969927	2766.29052210765	2728.166693227167	2728.166693227167	30.78024882078654	30.78024882078654
652	47	34692	5871.8586730335	22757.5710250766	39.13430488	-100.5925195	362358.127878096	4330188.11533376	2897.787489672264	2764.683354121064	2727.372727379507	2727.372727379507	30.75458167400063	30.75458167400063
653	47	34693	59368.8586730335	22757.5710250766	39.1343012768612	-100.5902793	362559.64489884	4330184.34242556	2897.049438595894	2763.94714853790824	2726.432811562283	2726.432811562283	30.643701684	30.643701684
654	47	34694	60038.8586730335	22757.5710250766	39.1342976245492	-100.5879236	362760.7698823483	4330180.21919467	2896.242176176896	2761.682997189148	2726.795080805504	2726.795080805504	34.8870915587043	34.8870915587043
655	47	34695	60698.8586730335	22757.5710250766	39.134289506633	-100.585538								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBotKrg.ft	SatHtZgLogKrg.ft	SatHtBotKrg.ft
737	47	34777	114818.85867307335	822757.3170250766	-100.3948177	97945.6519281486	4323521.225	2744.5992641883384	26.0581404162977	2597.21434975887	2597.237694362106	50.84275440410504	50.81846604008711
738	47	34778	114786.85867307335	822757.3170250766	-100.3942418	97946.6696	4323547.268502404	2744.7984571791208	26.46658695024899	2591.650826193575	2594.9862506139976	50.764764313225056	51.57833438492253
739	47	34779	114786.85867307335	822757.3170250766	-100.394166	97986.667	4323543.312	2743.2885739398547	26.4547972820486	2599.76718792135	2599.76718792135	47.6088281045693	45.288551008819785
740	47	34780	114786.85867307335	822757.3170250766	-100.3937902415523	97946.6696	4323536.358126184	2740.0713751791208	26.4547972820486	2603.666465055434	39.76076672365544	39.88062166744521	
1	48	34781	-370941.1413	823417.3170250766	-102.1066133	231455.769098334	433577.11076922	401.7135806702788	3873.654027148885	3863.686579561277	3865.052455242215	1.98546916	7.99578169066047
2	48	34782	-370281.1413	823417.3170250766	-102.1042878	231656.92796162184	433577.07024	4018.601576570733	3872.3641530027708	3864.342503950731	3866.05820301623	8.021649052	6.58602972084234
3	48	34783	-369621.1413	823417.3170250766	-102.1019623	231858.08574854606	433577.04208159	4015.903707744742	3871.074960045231	3863.720658638513	3864.4773854899517	3863.72030208717738	6.59757455575193
4	48	34784	-368961.1413	823417.3170250766	-102.099638	232059.2432693164	433568.865734549	4016.6200307768524	3869.78654171872	3866.27060724645	3865.7786020296715	31.12984447221543	4.008524872110884
5	48	34785	-368901.1413	823417.3170250766	-102.098713	232280.4502613748	433568.773481189	4009.25362724057	3868.498994481684	3866.38922479473	3867.841815	0.12877056886393257	0.557178976665968
6	48	34786	-367641.1413	823417.3170250766	-102.094958	232461.5573132143	433569.690316248	4009.05276257559	3867.212395373807	3871.01262296603	3871.01262296603	3871.01262296603	0
7	48	34787	-366981.1413	823417.3170250766	-102.092603	232662.714236749	433568.60736963	4007.144937930708	3865.926269	3875.2449579572518	3875.0613733614128	0	0
8	48	34788	-366321.1413	823417.3170250766	-102.0903348	232863.70694592414	433568.254598426	4005.61314084208	3864.641399667025	3879.581916504685	3879.641253002213	0	0
9	48	34789	-365661.1413	823417.3170250766	-102.0880093	233065.0268802546	433568.00802546	4004.081343940848	3863.56880042213	3882.5920445531086	3882.5920445531086	3882.5920445531086	0
10	48	34790	-365001.1413	823417.3170250766	-102.085638	233266.182816712	433567.435981065	4002.549546538776	3862.072934749491	3882.1647092719345	3882.1647092719345	3882.1647092719345	0
11	48	34791	-364341.1413	823417.3170250766	-102.083358	233467.39847960125	433567.273367328	4001.1358587698444	3860.7899119441213	3877.77545146833	3878.6599910124983	0	0
12	48	34792	-363681.1413	823417.3170250766	-102.081028	233668.4938785156	433566.19526615	3998.840280300906	3859.50784252923	3870.6990245204915	3871.85677252942	0	0
13	48	34793	-363021.1413	823417.3170250766	-102.0787073	233869.6490131208	433566.113372218	3993.504701992949	3858.2268407558017	3863.9374850569764	3864.698427225107	0	0
14	48	34794	-362361.1413	823417.3170250766	-102.076318	234070.803836121	433565.01259228	3990.249124	3856.947023	3857.071553720173	3857.071553720173	0	0
15	48	34795	-361701.1413	823417.3170250766	-102.0740563	234271.95849022340	433563.95	3989.59174239911	3855.66859071585	3850.9339713707853	3851.987149726713	3.7435457340799761	3.680757543237066
16	48	34796	-361041.1413	823417.3170250766	-102.0717308	234473.11283312994	433564.668740247	3987.571235389126	3854.391421	3845.693171861513	3846.371706740431	6.898248771147006	6.871371932026095
17	48	34797	-360381.1413	823417.3170250766	-102.0694053	234674.26991254544	433564.75845843	3985.553035395053	3853.158819964803	3840.867784176439	3842.093438188458	10.224433800221474	10.224433800221474
18	48	34798	-359721.1413	823417.3170250766	-102.0670973	234875.40272685248	433564.706528723	3986.5317423124124	3851.8420871247595	3836.504864951738	3838.307430000226	15.29343766330173	13.534455172176896
19	48	34799	-359061.1413	823417.3170250766	-102.064524	235081.5467124289	433564.144390322	3984.2923821484336	3849.3923821484336	3818.074287327811	3818.074287327811	19.8163889757581	19.8163889757581
20	48	34800	-358401.1413	823417.3170250766	-102.062427	235277.727719158	433563.545013933	3982.826073059554	3849.30887475874	3829.298502738224	3823.04034678499	20.0238400593646	17.2605397088027
21	48	34801	-357741.1413	823417.3170250766	-102.0601032	235478.8806945903	433562.945452987	3980.364793811538	3848.04530719522	3826.24121096922	3829.6714831503	21.0223819659736	18.38312869371595
22	48	34802	-357081.1413	823417.3170250766	-102.0577777	235680.0336474902	433562.38420832	3977.88548956352	3846.71305954703	3823.6701571330656	3827.550311165379	23.1006342240471	19.220947909148
23	48	34803	-356421.1413	823417.3170250766	-102.0554521	235881.18586726996	433562.340067124	3978.8452018209005	3845.511398922706	3821.790898414147	3825.428988136239	25.081259880312345	20.081259880312345
24	48	34804	-355761.1413	823417.3170250766	-102.0531266	236082.3981080035	433561.724	3978.209929792484	3844.251667857478	3819.780756553796	3824.070691249246	24.4708117930568	20.18097606823196
25	48	34805	-355101.1413	823417.3170250766	-102.0508918	236283.4902888836	433561.144390322	3976.8247468128075	3843.1405287327811	3818.074287327811	3818.074287327811	25.163889757581	25.163889757581
26	48	34806	-354441.1413	823417.3170250766	-102.0484756	236489.036412889	433560.04693132	3975.8417948566135	3841.905227544	3816.0222607544	3816.0222607544	25.0323228	19.1364572007398
27	48	34807	-353781.1413	823417.3170250766	-102.04615	236685.793259933	433560.385252529	3974.869584361197	3840.44999085371	3815.462852570547	3822.6023519211676	25.032570513316386	17.89204716420348
28	48	34808	-353121.1413	823417.3170250766	-102.043825	236886.944545022	433560.90586601	3973.8621037613003	3839.261037613003	3814.5154254791965	3822.89950217163	25.032570513316386	16.36131584839796
29	48	34809	-352461.1413	823417.3170250766	-102.04149	237088.09538600234	433560.62896152	3972.8605917423714	3838.03073734314	3813.7435582131114	3823.5308911374	24.29430450232004	14.51384766294015
30	48	34810	-351801.1413	823417.3170250766	-102.0391734	237289.24066075918	433559.748	3971.8653650294526	3837.822963240235	3813.16897274852	3825.83089	23.29430450232004	15.09209692313342
31	48	34811	-351141.1413	823417.3170250766	-102.0368479	237490.39567284797	433558.68683836	3970.8511955335944	3836.919688707239	3812.202168	3827.296389321236	23.29430450232004	15.09209692313342
32	48	34812	-350481.1413	823417.3170250766	-102.034524	237691.5467124289	433558.04693132	3969.84717424249	3834.251667857478	3817.14453539504	3824.114971	23.29430450232004	15.09209692313342
33	48	34813	-349821.1413	823417.3170250766	-102.0321959	237892.696160043	433558.012824308	3968.873393844	3833.24195276005	3815.58395808044	3823.03932764704	23.29430450232004	15.09209692313342
34	48	34814	-349161.1413	823417.3170250766	-102.0298713	238093.846247741	433557.343069811	3967.9317312163953	3832.068635967704	3810.649851998073	3813.954595898043	23.29430450232004	15.09209692313342
35	48	34815	-348501.1413	823417.3170250766	-102.0275457	238294.958691494	433556.3040387	3966.915942833048	3830.905788971125	3810.516279838074	3823.5044200224148	23.29430450232004	15.09209692313342
36	48	34816	-347841.1413	823417.3170250766	-102.0252202	238496.1474122772	433556.271663239	3965.9240878170515	3829.7331928689	3810.1852169619283	3814.7220412005513	23.29430450232004	15.09209692313342
37	48	34817	-347181.1413	823417.3170250766	-102.0228986	238697.2936391723	433556.04702344	3964.9506507217012	3828.611237389683	3809.753145248985	3815.8580274885829	18.58509213702035	22.7561627962762
38	48	34818	-346521.1413	823417.3170250766	-102.020591	238898.4421774235	433555.12963417	3963.992405993391	3827.4792628767876	3808.997259507313	3815.97619781003	18.58509213702035	22.7561627962762
39	48	34819	-345861.1413	823417.3170250766	-102.0182618	239100.5956119489	433554.23626904	3962.992405993391	3826.4792628767876	3808.997259507313	3815.97619781003	18.58509213702035	22.7561627962762
40	48	34820	-345201.1413	823417.3170250766	-102.015915	239303.738577027	433553.96911945	3961.992405993391	3825.4792628767876	3808.997259507313	3815.97619781003	18.58509213702035	22.7561627962762
41	48	34821	-344541.1413	823417.3170250766	-102.0135924	239501.8864048673	433553.84747257	3960.992405993391	3824.46208117964	3808.335171477723	3816.085664019156	25.6535116733516	25.6535116733516
42	48	34822	-343881.1413	823417.3170250766	-102.0112669	239703.036937077	433553.814695443	3960.012166932	3823.03628059607	3807.33288404917	3807.33288404917	25.6535116733516	25.6535116733516
43	48	34823	-343221.1413	823417.3170250766	-102.0089413	239904.1812643696	433553.80193245	3959.05104784793	3821.96782224492	3799.24818632556	3802.632175927718	22.71905392919796	19.33165025717497
44	48	34824	-342561.1413	823417.3170250766	-102.0066158	240105.328077842	433553.61582116	3958.05104784793	3820.88830263509	3795.15768	3807.33288404917	17.14987170222645	17.14987170222645
45	48	34825	-341901.1413	823417.3170250766	-102.004292	240306.475920387	433553.41835207	3957.05104784793	3819.815497553008	3794.077151131426	3802.632175927718	15.58674144222645	15.58674144222645
46	48	34826	-341241.1413	823417.3170250766	-102.001947								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRfElevKgr.f	BRfElevBothKgr.f	SatThKgr.f	SatThBoth.f	
123	48	34903	-290421.1413	823417.3170250766	39.131945956506643	-101.8228924	255995.1472	43325214.1737498045	3772.4206163374706	3663.493635394878	3645.8772136267776	3675.9107424072695	17.61641276810028	5.582892987908375
124	48	34904	-289641.1413	823417.3170250766	39.13196500336646	-101.8205698	256196.27430613176	43325201.11	3772.246885081769	3660.865311	3642.2138411853384	3650.826511130248	18.67146963630164	10.058798991350207
125	48	34905	-289101.1413	823417.3170250766	39.13198545081236	-101.8182411	256397.1021328442	43325206.99722393	3772.071753292607	3658.2812391150505	3638.19689304909113	3637.205841144624	20.094258867139204	21.075380013423386
126	48	34906	-288461.141413	823417.3170250766	39.1200050630187	-101.8115914	256598.5272328723	433201.986854528	3771.905427570658	3655.6812750811023	3634.190569765839	3623.917151611385	21.490705135263313	31.70975360716816
127	48	34907	-287781.1413	823417.3170250766	39.1200466688576	-101.8135898	256799.6540730467	4332197.924893207	3767.899734712154	3653.085364396613	3630.450862702794	3613.240809239672	22.63450183981847	39.84445447
128	48	34908	-287121.1413	823417.3170250766	39.1200423254516	-101.8112641	257000.78017667413	433193.063	3760.060025287317	3650.493329237163	3627.1764503139743	3603.855057735645	24.63827170575906	46.63827170575906
129	48	34909	-286461.1413	823417.3170250766	39.12006375286296	-101.8089834	257201.9060424567	433189.80152187	3752.2206339682107	3647.904800403955	3625.3413971924774	3588.2013933020916	22.56340372074767	59.70347010105347
130	48	34910	-285801.1413	823417.3170250766	39.12008323	-101.8066128	257403.0136776253	433185.74003467	3744.38065264368617	3645.3193464464937	3623.48325685676	3574.3048573042016	21.4358179	71.0144885507623
131	48	34911	-285141.1413	823417.3170250766	39.122102600136	-101.8042871	257604.1579526272	433181.878828276	3738.474673227689	3642.736491046561	3622.41983581346	3608.48954174667	20.31664523274658	74.5758153181435
132	48	34912	-284481.1413	823417.3170250766	39.12212204599798	-101.801914	257805.282198688	433177.617749591	3732.5204013382135	3640.15566926582	3620.6815720528125	3568.5281996655	19.47096973895654	74.5758153181435
133	48	34913	-283821.1413	823417.3170250766	39.1221413870675	-101.7996357	258006.4074039617	433173.556644421	3730.503129448737	3637.576325101695	3619.23661133811906	3574.025495857173	18.33371172050451	63.55037651452221
134	48	34914	-283161.1413	823417.3170250766	39.12216068321686	-101.7973101	258207.5317705966	433169.4649113744	3712.577857592601	3634.976230531384	3618.0854981516845	3577.921977470136	16.91214289963391	57.07652527730488
135	48	34915	-282511.1413	823417.3170250766	39.12217393444773	-101.7949844	258408.6561974526	433165.435575565	3707.2375546992607	3632.418724594311	3617.239055	3571.8811869053068	15.79669476620002	50.5068554070196
136	48	34916	-281841.1413	823417.3170250766	39.122199140716007	-101.7926587	258609.7803952027	433161.375	3704.566220687374	3629.8376574110416	3616.7187924205027	3580.6851305234013	14.8844949538896	49.15252687640367
137	48	34917	-281181.1413	823417.3170250766	39.12221830215308	-101.790323	258810.90433419196	433157.314686552	3702.2534853382776	3627.799943784763	3617.99943784763	3584.502717835919	13.25440740	42.7516687915847
138	48	34918	-280521.1413	823417.3170250766	39.12223741829074	-101.7880373	259012.0280440746	433153.254030939	3699.22553207691	3624.86834918767	3617.950322111572	3584.764981	6.70898976506686	39.903365166091
139	48	34919	-279861.1413	823417.3170250766	39.12225649018568	-101.785617	259213.15151613897	433148.195077631	3696.3971713374794	3618.02165691491	3618.768853435057	3589.58697182711577	3.312803479034031	32.51272729313435
140	48	34920	-279201.1413	823417.3170250766	39.1222751682364	-101.783356	259414.2747459267	433145.135	3693.394741	3619.4931032020886	3619.7425484761447	3592.861278191097	0	26.631275209678687
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143	48	34923	-277221.1413	823417.3170250766	39.12233732272519	-101.7763789	260014.643022227	433132.95789027	3684.095324990768	3611.709601271686	3626.809507574048	3613.0129649	0	0
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156	48	34936	-268641.1413	823417.3170250766	39.12257383046512	-101.7461448	262632.214	433080.204173295	3646.166952610364	3577.3592563035213	3608.29042850782	3611.07162373712	0	0
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161	48	34941	-265341.1413	823417.3170250766	39.12266466995814	-101.7345163	263637.8081	433059.322190923	3644.05528523094	3643.784729748917	3624.84294838228	3628.7418125293125	0	0
162	48	34942	-264681.1413	823417.3170250766	39.12268273387615	-101.7321906	263838.96211560074	433055.866471514	3703.9902521567665	3561.042651063732	3613.1625139366956	3634.3684089052653	0	0
163	48	34943	-264021.1413	823417.3170250766	39.12270073187602	-101.7298649	264040.04392815	433051.81	3708.2899312742593	3599.2919927816556	3637.6688152141043	3639.47702606097	0	0
164	48	34944	-263361.1413	823417.3170250766	39.1227186045047	-101.7275372	264241.1615014028	433050.75299375	3706.9553	3555.53243280083	3630.051291485615	3642.299382466283	0	0
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166	48	34946	-262041.1413	823417.3170250766	39.12275444256558	-101.7229782	264642.3956457644	433044.6442369	3704.28682558191	3549.967402390328	3619.079624523799	3629.613123115528	0	0
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169	48	34949	-260061.1413	823417.3170250766	39.1228074956038	-101.7159106	265246.74808924355	433037.480418856	3687.16941792368	3541.588301	3590.79783265375	3609.149412124474	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHdgKrg.ft	SatHtBoth.ft
48	49	35029	-207261.1413	823417.3170250766	39.13408012562185	-101.5298497	281335.3244545187	134730473.67416093	3355.06453595973	3307.1550287254654	3306.795196400804	3307.63777	0.3583232466151094	0
250	48	35030	-206601.1413	823417.3170250766	39.13408421100809	-101.5279239	281356.32427779015	1347309500200314	3347.917096500200314	3307.118910722281	3307.692290167788	7.292486418809785	33.4296184807863	6.71910656373707
251	48	35031	-205891.1413	823417.3170250766	39.13410251427156	-101.525181	281373.5202762423	1347306300000193	3345.9638765458105	3307.69002816507	3306.23340712485899	15.45729412485899	15.45729412485899	15.45729412485899
252	48	35032	-205081.1413	823417.3170250766	39.13412240741412	-101.5228723	281393.6186226058	134730349155	3352.4087340078965	3306.963538294215	3307.100174442813	32.72780471711693	25.863636449381164	26.016706174103192
253	48	35033	-204621.1413	823417.3170250766	39.13413619763392	-101.5205465	282139.7162556163	134730354195	3357.3174122996716	3306.320077	3258.7952597262247	32.5748649834273	37.524871616805194	38.45400260460257
254	48	35034	-203961.1413	823417.3170250766	39.13415033315114	-101.5182207	282340.8136605825	1347303463217385	3363.054751914465	3305.670069091471	3251.06662250756	32.8489978152728	44.7536276395284	44.7703171
255	48	35035	-203301.1413	823417.3170250766	39.134166140691	-101.5158949	282541.9108657723	13473034788541	3362.5143178886541	3305.58851088725	3261.5913057988105	26.53675057988105	26.53675057988105	26.53675057988105
256	48	35036	-202641.1413	823417.3170250766	39.13417779960055	-101.5135961	282713.078489763	134730346734	3356.102748621922	3288.4417457278437	3272.1880742255466	32.71932080501719	26.2537150229704	16.53631767664455
257	48	35037	-201981.1413	823417.3170250766	39.1341915689892	-101.5112861	282873.5202762423	134730346734	3348.6937451681217	3305.6938765458105	3278.952205767785	7.0086362427018	11.5158760655303	11.5158760655303
258	48	35038	-201321.1413	823417.3170250766	39.1342052769949	-101.5089174	283145.2017123527	1347303458158292	3347.6471102021112	3383.310692905566	3282.052680281287	38.127743507891	1.295334962467914	1.132592822056227
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268	48	35048	-194721.1413	823417.3170250766	39.13434000652335	-101.4856593	285156.1540894527	1347303493653073	3316.962544374397	3259.1476998053176	3242.888412896693	32.23319195682064	16.25928708618283	35.755745517466
269	48	35049	-194061.1413	823417.3170250766	39.134353828115016	-101.4833335	285357.2490255433	1347303486419118	3317.3162878484272	3256.865724766416	3247.6141630057575	32.172776690424	39.991408170886	40.49180557
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272	48	35052	-192081.1413	823417.3170250766	39.13439272416424	-101.476356	285950.35057727185	1347303475737444	3326.165259602507	3250.144268162053	3242.07886005544	32.35701708816474	23.6658215650713	13.15355728040512
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287	48	35067	-182181.1413	823417.3170250766	39.13458379883622	-101.4414687	288976.9090440863	13473034528990088	3313.81484099779	3221.950848651006	3212.492410523685	32.781851821850318	34.45484371232073	34.0990246597043
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293	48	35073	-178221.1413	823417.3170250766	39.13465738596439	-101.4275136	290183.4473902056	13473034528990088	3313.81484099779	3221.950848651006	3212.492410523685	32.781851821850318	34.45484371232073	34.0990246597043
294	48	35074	-177561.1413	823417.317025										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatHLogs.kg.ft	SatHBoth.kg.ft
375	48	35155	-124101.1413	323417.3172025076	39.135501114905246	-121.2367927	306762.0764473203	334135.931677492	334.16402526400347	3170.93398976884	3130.9848323698184	3130.8203676534754	39.95865707065545	40.12302244213015
376	48	35156	-124111.1413	323417.3172025076	39.13550593924605	-121.2344668	306873.14971641935	334135.932652911	334.1709148691367	3167.5472160941327	3129.9448239004113	3129.897347223825	39.9526679373242	39.94977887031882
377	48	35157	-124121.1413	323417.3172025076	39.135517820019176	-121.2321409	307074.22171217005	334137.884421211	334.180696974024	3168.724589676685	3130.8193633046214	3130.83633046214	39.95865707065545	39.94977887031882
378	48	35158	-124121.1413	323417.3172025076	39.13552625518885	-121.229615	307075.2940601775	334138.176029241	334.1848651	3167.5474067667974	3131.84667800375	3131.7270953702266	39.95865707065545	39.94977887031882
379	48	35159	-124146.1413	323417.3172025076	39.135534545433966	-121.2274891	307476.3662	334138.957857526	3332.58742235257	3166.397420624317	3132.597543171276	3131.9530330950235	33.799877471655236	33.718085547907685
380	48	35160	-124081.1413	323417.3172025076	39.135542729	-121.2251632	307677.438187368	334137.854	331.0860969874024	3155.93298538617	3133.025134	3133.629742406173	31.62516409102148	31.563556075244378
381	48	35161	-124014.1413	323417.3172025076	39.135550991149394	-121.2228373	307878.50969897893	334137.821800965	3328.584777	3163.962769641298	3133.1950440178806	3134.36436846249186	39.95865707065545	39.94977887031882
382	48	35162	-119481.1413	323417.3172025076	39.13555914661985	-121.2205114	308079.58156065956	334137.84030291	3328.08453430575	3162.70567	3133.130391	3134.1191987391585	39.95865707065545	39.94977887031882
383	48	35163	-116821.1413	323417.3172025076	39.13556752719545	-121.218185	308280.529621919	334137.86967878	3328.0700984161725	3161.423068294	3130.856955936976	3133.786451473016	39.95865707065545	39.94977887031882
384	48	35164	-118161.1413	323417.3172025076	39.13557322796146	-121.215859	308481.7241750205	334139.7649314	3323.54471221595	3160.115904882233	3132.411367446949	3133.2717030478217	39.95865707065545	39.94977887031882
385	48	35165	-117501.1413	323417.3172025076	39.13558334348194	-121.2135337	308682.7950261806	334135.75203394	3321.019350121582	3158.765349601993	3131.7728507077793	3132.25079562420037	39.95865707065545	39.94977887031882
386	48	35166	-116841.1413	323417.3172025076	39.135591319252825	-121.212079	308883.8660452019	334135.173	3318.49393714441	3157.43241855937	3130.9457230968577	3131.71212670937	39.95865707065545	39.94977887031882
387	48	35167	-116181.1413	323417.3172025076	39.13559520098764	-121.208882	309084.9367	334137.71800451	3316.13546666205	3156.059784911423	3129.854677	3130.603800147937	39.95865707065545	39.94977887031882
388	48	35168	-115521.1413	323417.3172025076	39.13560713601977	-121.2065561	309286.0701603423	334134.701857915	3313.9439115636704	3154.667173191535	3128.4877145416754	3129.324542112844	39.95865707065545	39.94977887031882
389	48	35169	-114861.1413	323417.3172025076	39.135614971071585	-121.2042302	309487.074368711	334139.865387993	3313.912536435158	3152.76575329954	3129.99505634316	3129.89459458989	39.95865707065545	39.94977887031882
390	48	35170	-114201.1413	323417.3172025076	39.1356270091344	-121.201943	309688.14752631134	334135.66909041	3309.56081363262	3151.826962313692	3126.465073034501	3126.467520197152	39.95865707065545	39.94977887031882
391	48	35171	-113541.1413	323417.3172025076	39.135630524232965	-121.1995784	309899.2174288685	334131.652963946	3307.382041238811	3150.380872785801	3123.823501721416	3123.823501721416	39.95865707065545	39.94977887031882
392	48	35172	-112881.1413	323417.3172025076	39.1356382045405	-121.1972525	310080.2871447457	334137.903710311	3305.2171897091364	3148.919529303457	3122.2339208722433	3123.5120800805237	39.95865707065545	39.94977887031882
393	48	35173	-112221.1413	323417.3172025076	39.13564589175009	-121.1949266	310291.35667414917	334132.621234255	3303.0519654410227	3147.4442464268955	3120.5146978319194	3121.28128843387	39.95865707065545	39.94977887031882
394	48	35174	-111561.1413	323417.3172025076	39.13565350811212	-121.1926007	310492.42607172823	334139.605622724	3300.8862504625173	3145.965758881718	3118.882504651175	3120.254703362954	39.95865707065545	39.94977887031882
395	48	35175	-110901.1413	323417.3172025076	39.13566108	-121.1902748	310693.9452	334135.10929857	3299.03663087232	3144.45723221444	3117.231877783712	3118.6083815841857	39.95865707065545	39.94977887031882
396	48	35176	-110241.1413	323417.3172025076	39.13566805680804	-121.1879498	310884.5641455577	334135.115430097	3297.56710548596	3142.74466541447	3116.955091992514	3116.955091992514	39.95865707065545	39.94977887031882
397	48	35177	-109581.1413	323417.3172025076	39.1356761716859	-121.1853362	3112802.0473017015	334137.82389807	3294.437382193142	3142.68425386706	3116.955091992514	3116.955091992514	39.95865707065545	39.94977887031882
398	48	35178	-108921.1413	323417.3172025076	39.1356832435459	-121.1832971	311296.7015312102	334135.544024917	3294.437382193142	3142.68425386706	3116.955091992514	3116.955091992514	39.95865707065545	39.94977887031882
399	48	35179	-108261.1413	323417.3172025076	39.135690916102216	-121.1809712	311497.7694064052	334130.93180679	3292.6244690092435	3138.36536742536	3110.493689842005	3111.6354285242806	39.95865707065545	39.94977887031882
400	48	35180	-107601.1413	323417.3172025076	39.13569826262073	-121.1786453	311698.8317587735	334130.95160897	3290.54931921406	3136.825464230356	3108.7409120222305	3109.766125103519	39.95865707065545	39.94977887031882
401	48	35181	-106941.1413	323417.3172025076	39.13570556481611	-121.1763193	311899.9602805123	334130.951029773	3288.49549213649	3135.28283187807	3106.979151060574	3108.308080241374	39.95865707065545	39.94977887031882
402	48	35182	-106281.1413	323417.3172025076	39.13571282178636	-121.1739834	312100.87408119275	334130.8749893091	3286.35857873354	3133.7397150116	3105.2337333146	3105.2337333146	39.95865707065545	39.94977887031882
403	48	35183	-105621.1413	323417.3172025076	39.13572033831426	-121.1716879	312302.0473017015	334137.82389807	3284.437382193142	3142.68425386706	3116.955091992514	3116.955091992514	39.95865707065545	39.94977887031882
404	48	35184	-104961.1413	323417.3172025076	39.1357290591344	-121.1693416	312503.109547751	334137.82389807	3282.6244690092435	3138.36536742536	3110.493689842005	3111.6354285242806	39.95865707065545	39.94977887031882
405	48	35185	-104301.1413	323417.3172025076	39.1357323314606	-121.1670157	312704.1765546803	334130.8749893091	3280.815715083296	3129.131414237242	3103.34846120148	3100.257057019202	39.95865707065545	39.94977887031882
406	48	35186	-103641.1413	323417.3172025076	39.135741400415576	-121.1646898	312905.2436803274	334130.93180679	3278.9738738247	3129.110410994734	3098.86731818418	3098.86731818418	39.95865707065545	39.94977887031882
407	48	35187	-102981.1413	323417.3172025076	39.135748432759904	-121.1626389	313106.31062057376	334130.8749893091	3277.853225989494	3126.102973899111	3097.720212	3097.720212	39.95865707065545	39.94977887031882
408	48	35188	-102321.1413	323417.3172025076	39.135754520178974	-121.160038	313307.3777414804	334130.8749893091	3277.853225989494	3126.102973899111	3097.720212	3097.720212	39.95865707065545	39.94977887031882
409	48	35189	-101681.1413	323417.3172025076	39.1357626262729	-121.1577713	313508.43435510595	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
410	48	35190	-101011.1413	323417.3172025076	39.135770684042256	-121.1553362	313769.5190417015	334137.82389807	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
411	48	35191	-100341.1413	323417.3172025076	39.13577611288472	-121.1530916	313910.576545626	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
412	48	35192	-99681.1413	323417.3172025076	39.1357826200736	-121.1507344	314111.6425748315	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
413	48	35193	-99021.1413	323417.3172025076	39.135789663395494	-121.1484085	314312.70847171935	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
414	48	35194	-98361.1413	323417.3172025076	39.13579640126293	-121.1460826	314513.740740314	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
415	48	35195	-97701.1413	323417.3172025076	39.135803074205036	-121.1437567	314734.8395671669	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
416	48	35196	-97041.1413	323417.3172025076	39.135809722251214	-121.141307	314915.90485044584	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
417	48	35197	-96381.1413	323417.3172025076	39.1358168316665	-121.1389798	315168.9769694904	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
418	48	35198	-95721.1413	323417.3172025076	39.13582223482464	-121.1367789	315381.03500353606	334130.8749893091	3276.90263871199	3124.131900881691	3095.6339788414357	3095.6339788414357	39.95865707065545	39.94977887031882
419	48													

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLogsKrg.ft	BRIEVBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
501	48	35281	-40941.14133	323417.3170250766	39.13620888043665	-00.9437271	332005.8126205400	333690.931128428	3113.0582364678987	2889.5363721689178	2889.05515250833	2888.955267898793	80.58110430903844
502	48	35282	-40921.14133	323417.3170250766	39.13621164483967	-00.9414012	332006.8631507737	333696.3341110214	3116.0111595	2968.066249528969	2883.896275629475	84.20438035268444	84.22478173629149
503	48	35283	-39621.14133	323417.3170250766	39.136213961436	-00.9380163	332007.9131417087	333692.6218781705	3108.765313907654	2968.066249528969	2883.896275629475	87.933313907654	88.115744034528
504	48	35284	-39691.14133	323417.3170250766	39.13621398961616	-00.9367493	332008.9631964935	333693.7845928332	3110.643313451587	2965.254543	2887.775239	87.933313907654	89.16463811160626
505	48	35285	-38301.14133	323417.3170250766	39.13621966848394	-00.9344234	332010.0134586436	333697.944091662	3084.941335067233	2885.453906374816	2870.447700126118	87.933313907654	89.437325231069453
506	48	35286	-37641.14133	323417.3170250766	39.13621725318014	-00.9320975	332011.0632342817	333698.937882607	3086.9427082186144	2869.186672204174	2869.1524334342704	83.28144961	93.31839637314374
507	48	35287	-36981.14133	323417.3170250766	39.1362249250227	-00.9297715	332012.1128467889	333699.951604315	3084.96247706053	2870.106594739355	2871.392730286335	90.08943974	89.73130418976186
508	48	35288	-36231.14133	323417.3170250766	39.13622728779416	-00.9274456	332013.162936081	333699.951604315	3082.76026090801	2959.763051633656	2864.73527615174	89.73130418976186	94.248765393972
509	48	35289	-35661.14133	323417.3170250766	39.13622974	-00.9251971	332014.2116811066	333699.951604315	3086.9427082186144	2959.763051633656	2864.73527615174	89.73130418976186	95.53862413504077
510	48	35290	-35001.14133	323417.3170250766	39.13623214	-00.9227337	332015.2607702636	333699.951604315	3082.76026090801	2959.763051633656	2864.73527615174	89.73130418976186	96.83801442396389
511	48	35291	-34341.14133	323417.3170250766	39.13623450276925	-00.9204678	332016.30669682805	333699.951604315	3075.244324602472	2955.3002132716314	2862.548945458997	2862.90784761345	92.90942851026849
512	48	35292	-33681.14133	323417.3170250766	39.1362361790866	-00.9181418	332017.3584908032	333699.951604315	3071.2917597608826	2954.678371580151	2862.1787389684127	2862.46668205547	92.49963218173843
513	48	35293	-33021.14133	323417.3170250766	39.13623908812195	-00.9158159	332018.4071069554	333699.951604315	3067.33780871902	2953.492536162239	2860.852364716383	2860.981194	92.51061821661915
514	48	35294	-32361.14133	323417.3170250766	39.13624131409045	-00.91349	332019.4556831065	333699.951604315	3063.3485417771654	2952.342635568045	2858.984126087974	2860.981194	93.35850886
515	48	35295	-31701.14133	323417.3170250766	39.13624349377001	-00.911164	332020.50389774283	333699.951604315	3062.009273777654	2951.2275624895765	2856.52993567287	2856.52993567287	94.06691929127
516	48	35296	-31041.14133	323417.3170250766	39.13624562902487	-00.908881	332021.5520510068	333699.951604315	3063.2120033947967	2950.1444544896053	2857.443430309843	2856.63775427527	94.70102411455599
517	48	35297	-30381.14133	323417.3170250766	39.13624771971344	-00.9065122	332022.60040328634	333699.951604315	3064.417345338375	2949.089932802343	2853.5658727844643	2862.901346	95.5230495676994
518	48	35298	-29721.14133	323417.3170250766	39.13624976525953	-00.9041862	332023.6543479	333699.951604315	3063.671463512878	2948.050949460382	2852.7686657252317	2872.751264942597	95.8329322006567
519	48	35299	-29061.14133	323417.3170250766	39.13625176595233	-00.9018603	332024.6955422533	333699.951604315	3062.889257134907	2947.0449115386227	2851.467241574283	2861.468396239	95.5776996492539
520	48	35300	-28401.14133	323417.3170250766	39.13625372168235	-00.8995343	332025.73542533494	333699.951604315	3062.240046505732	2946.40912223783	2847.852675490645	2868.08884314277	95.196476284361582
521	48	35301	-27741.14133	323417.3170250766	39.136255923486304	-00.8972804	332026.7904051875	333699.951604315	3060.581023414024	2945.0665221799889	2850.99176787623	2851.98001712898	95.207435236673
522	48	35302	-27081.14133	323417.3170250766	39.13625748635406	-00.8948825	332027.8375949406	333699.951604315	3059.753007400396	2944.069552005295	2849.170950525095	2849.170950525095	95.23473068919734
523	48	35303	-26421.14133	323417.3170250766	39.136259491585	-00.8926131	332028.894781705	333699.951604315	3058.121842255413	2943.176842255413	2848.176842255413	2848.176842255413	95.25854413504077
524	48	35304	-25761.14133	323417.3170250766	39.1362610534104	-00.8902206	332029.9341950183	333699.951604315	3057.069104716977	2942.175584661004	2847.343313953794	2847.343313953794	95.270270720295
525	48	35305	-25011.14133	323417.3170250766	39.1362626544022	-00.8879604	332030.97820574767	333699.951604315	3056.072580176788	2941.725801767888	2846.725801767888	2846.725801767888	95.2866592878758
526	48	35306	-24441.14133	323417.3170250766	39.136264512613224	-00.8855787	332032.02475712184	333699.951604315	3066.224115430444	2940.271968417413	2863.828684701311	2863.828684701311	95.30462124043032
527	48	35307	-23781.14133	323417.3170250766	39.13626615386003	-00.8832528	332033.0714196158	333699.951604315	3069.7679393049	2939.32505841654	2859.3056615957	2859.3056615957	95.3207651379899
528	48	35308	-23121.14133	323417.3170250766	39.13626775018063	-00.8809268	332034.11783167	333699.951604315	3068.195125497486	2938.389442101305	2858.618607851775	2858.618607851775	95.33811653586565
529	48	35309	-22461.14133	323417.3170250766	39.13626930517953	-00.8786966	332035.1678545035	333699.951604315	3067.4471059792986	2937.4471059792986	2857.4471059792986	2857.4471059792986	95.3520672065228
530	48	35310	-21801.14133	323417.3170250766	39.1362717087	-00.8762749	332036.204735027	333699.951604315	3066.944173450683	2936.504833176737	2856.933158360451	2856.933158360451	95.367845372
531	48	35311	-21141.14133	323417.3170250766	39.1362726958519	-00.873949	332037.2551327072	333699.951604315	3066.06445474882	2935.56200218321	2851.648185141363	2851.648185141363	95.381381704
532	48	35312	-20481.14133	323417.3170250766	39.13627366260095	-00.8716231	332038.3073827326	333699.951604315	3063.874945	2934.61810230987	2849.4936963620735	2849.4936963620735	95.395902255798
533	48	35313	-19821.14133	323417.3170250766	39.13627506789015	-00.8692971	332039.3461752037	333699.951604315	3061.69483357757	2933.67270493836	2846.593122819676	2846.593122819676	95.40795796415632
534	48	35314	-19161.14133	323417.3170250766	39.136276364534	-00.8669712	332040.3915	333699.951604315	3059.052052692033	2932.72591332521	2842.87411501568	2842.87411501568	95.418902
535	48	35315	-18501.14133	323417.3170250766	39.1362776664905	-00.8646452	332041.4368179584	333699.951604315	3057.3254941405064	2931.76480132153	2838.77883685723	2838.77883685723	95.42975964445018
536	48	35316	-17841.14133	323417.3170250766	39.1362793440183	-00.8623193	332042.4815772034	333699.951604315	3055.144442616517	2930.821708817025	2836.2570245731	2836.2570245731	95.440131142021
537	48	35317	-17181.14133	323417.3170250766	39.1362809539849	-00.8598934	332043.5263077716	333699.951604315	3053.44042382817	2929.861628443255	2833.370787	2833.370787	95.450797463024
538	48	35318	-16521.14133	323417.3170250766	39.13628124444916	-00.8576674	332044.5710265045	333699.951604315	3050.783444739724	2928.897136800586	2833.862509210736	2833.862509210736	95.461871340513
539	48	35319	-15861.14133	323417.3170250766	39.136282344577126	-00.8553415	332045.6156212623	333699.951604315	3048.14499842216	2927.931651	2832.577226403093	2832.577226403093	95.4726543595505
540	48	35320	-15201.14133	323417.3170250766	39.13628304178308	-00.8530155	332046.659694444	333699.951604315	3046.049311407404	2926.964825042415	2836.509182345196	2836.509182345196	95.48040474
541	48	35321	-14541.14133	323417.3170250766	39.136284414062814	-00.8506896	332047.704563651	333699.951604315	3043.963927969329	2925.96216805724	2835.389291645724	2835.389291645724	95.490288819997
542	48	35322	-13881.14133	323417.3170250766	39.1362853141632	-00.8483637	332048.748087391	333699.951604315	3041.9416191253	2925.02505740599	2831.29254761497	2831.29254761497	95.500321623718
543	48	35323	-13221.14133	323417.3170250766	39.1362862396796	-00.8460897	332049.7918623674	333699.951604315	3040.04315888144	2924.08315888144	2830.32184193542	2830.32184193542	95.510381744304
544	48	35324	-12561.14133	323417.3170250766	39.13628718134458	-00.8437118	332050.8356228304	333699.951604315	3038.0212456254784	2923.071919302294	2833.31929877023	2833.31929877023	95.520365429172
545	48	35325	-11901.14133	323417.3170250766	39.13628801391976	-00.8413858	332051.879364457	333699.951604315	3036.041741292507	2922.06844800439	2833.14519980327	2833.14519980327	95.530466340846
546	48	35326	-11241.14133	323417.3170250766	39.13628880156827	-00.8390599	332052.9225755932	333699.951604315	3034.830263275356	2921.091786736726	2828.385990169786	2828.385990169786	95.540765660408
547	48	35327	-10581.14133	323417.3170250766	39.13628954429055	-00.836734	332053.966097199	333699.951604315	3032.590771880296	2920.048389181054	2825.312538684552	2825.312538684552	95.5502495163221
548	48	35328	-9921.14133	323417.3170250766	39.1362902429655	-00.834408	332054.9109707995	333699.951604315	3031.07879314298	2919.059872	2824.969995106293	2824.969995106293	95.56098440555
549	48	35329	-9261.14133	323417.3170250766	39.136291052538787	-00.8320621	332055.95250538787	333699.951					

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIEVEKgr.f	BRIEVEBthKgr.f	AtthKgr.f	SurthBoth.f	
627	48	35407	42218.85867307335	32.82417	31.70250766	39.136203041061856	-00.6506568	37636.94244275126	4333188.656437926	2965.0367295231304	2965.3397669926396	2786.734424678506	40.5053601443058	41.2531879780301
628	48	35408	42218.85867307335	32.82417	31.70250766	39.13620050476115	-00.648381	35757.973822329626	43314.648008835	2933.57294250761	2944.5280554794977	2764.424924384949	40.13304099973	40.9068931166981
629	48	35409	42218.85867307335	32.82417	31.70250766	39.13619784372469	-00.646069	35770.9659636324	43314.648008835	2931.6102967163813	2942.72771800498	2763.20981956951	38.52838353	40.150186736713
630	48	35410	42218.85867307335	32.82417	31.70250766	39.13619457737797	-00.646391	35790.0326099098	43331.767500337	2928.8484273060224	2900.9386516481245	2762.2350509684037	37.841240112148	38.7039527964037
631	48	35411	42218.85867307335	32.82417	31.70250766	39.13619154630101	-00.643551	35811.0672364352	43331.767500337	2926.035957478754	2797.1607482043673	2760.499612822072	37.761361871801795	37.79867460238985
632	48	35412	42218.85867307335	32.82417	31.70250766	39.13619027029599	-00.6390291	35834.2080540045	43331.767500337	2923.66546	2799.364208581036	2759.880664231054	37.508254287677536	37.508254287677536
633	48	35413	42218.85867307335	32.82417	31.70250766	39.1361853496481	-00.6367032	35854.31287569071	43331.767500337	2921.249631200254	2795.639885368481	2758.961855202747	37.508254287677536	37.508254287677536
634	48	35414	42218.85867307335	32.82417	31.70250766	39.13618218350775	-00.6343773	35874.1593	43331.767500337	2919.28496	2793.895358220887	2757.939311376342	37.508254287677536	37.508254287677536
635	48	35415	42218.85867307335	32.82417	31.70250766	39.13617897272469	-00.632618	35894.189778041923	43331.767500337	2916.823378796214	2792.95805610887	2756.94423525728	37.508254287677536	37.508254287677536
636	48	35416	42218.85867307335	32.82417	31.70250766	39.1361750171015384	-00.6297254	35914.220005937	43331.767500337	2914.19071055959	2790.441308452361	2755.8163047157367	37.508254287677536	37.508254287677536
637	48	35417	42218.85867307335	32.82417	31.70250766	39.136172416380134	-00.6273985	35934.2501534495	43331.767500337	2913.16002311707	2788.70698336124	2754.6584816580737	37.508254287677536	37.508254287677536
638	48	35418	42218.85867307335	32.82417	31.70250766	39.13616907818845	-00.6250735	35954.2801611463	43331.767500337	2912.32345424457	2787.030713	2753.458081999533	37.508254287677536	37.508254287677536
639	48	35419	42218.85867307335	32.82417	31.70250766	39.13616520313645	-00.6227476	35974.3010326822	43331.767500337	2910.93142106557	2786.10049609421	2752.2625739772335	37.508254287677536	37.508254287677536
640	48	35420	42218.85867307335	32.82417	31.70250766	39.13616224491236	-00.6204217	35995.339076762624	43331.767500337	2909.12756164115	2783.68029625954	2751.078249022221	37.508254287677536	37.508254287677536
641	48	35421	42218.85867307335	32.82417	31.70250766	39.13615874657894	-00.6180967	36015.3699680905	43331.767500337	2908.39715627283	2781.98679613284	2750.167543507616	37.508254287677536	37.508254287677536
642	48	35422	42218.85867307335	32.82417	31.70250766	39.13615520313645	-00.6157698	36032.398832373	43331.767500337	2907.246922	2780.32439043061	2749.0214646947	37.508254287677536	37.508254287677536
643	48	35423	42218.85867307335	32.82417	31.70250766	39.136151669122334	-00.6134438	36053.42816131	43331.767500337	2906.1356406290491	2777.67708072043	2747.783979005144	37.508254287677536	37.508254287677536
644	48	35424	42218.85867307335	32.82417	31.70250766	39.13614805400507	-00.6111719	36074.54535511126	43331.767500337	2900.7655423965302	2778.0257304083	2746.3825982050125	37.508254287677536	37.508254287677536
645	48	35425	42218.85867307335	32.82417	31.70250766	39.13614433961786	-00.608792	36095.84613767	43331.767500337	2900.17467812011	2775.397162307958	2744.445281939069	37.508254287677536	37.508254287677536
646	48	35426	42218.85867307335	32.82417	31.70250766	39.1361408699254	-00.606461	36116.5153811283	43331.767500337	2899.5884384592	2773.758847812106	2742.517204178283	37.508254287677536	37.508254287677536
647	48	35427	42218.85867307335	32.82417	31.70250766	39.13613693097935	-00.604141	36135.5471274295	43331.767500337	2897.376008	2772.756847362003	2740.326130714104	37.508254287677536	37.508254287677536
648	48	35428	42218.85867307335	32.82417	31.70250766	39.13613314247616	-00.6018412	36155.8727831567	43331.767500337	2895.55120113456	2770.56750037106	2737.95261340671	37.508254287677536	37.508254287677536
649	48	35429	42218.85867307335	32.82417	31.70250766	39.1361295254536	-00.5995212	36172.8016119109	43331.767500337	2893.82195728824	2768.839147078162	2736.1412205181	37.508254287677536	37.508254287677536
650	48	35430	42218.85867307335	32.82417	31.70250766	39.1361251955598	-00.5971623	36190.626914525	43330.972492327	2885.90176674894	2767.0962616171	2732.9960624129035	37.508254287677536	37.508254287677536
651	48	35431	42218.85867307335	32.82417	31.70250766	39.13612149025701	-00.5948364	36216.16794500784	43330.972492327	2883.888521485484	2765.8587305184283	2731.119829010547	37.508254287677536	37.508254287677536
652	48	35432	42218.85867307335	32.82417	31.70250766	39.136117513208	-00.5925105	36232.68605606096	43330.972492327	2883.686774790884	2764.326039596335	2729.90320927872	37.508254287677536	37.508254287677536
653	48	35433	42218.85867307335	32.82417	31.70250766	39.13611346282122	-00.5901845	36256.71405181393	43330.972492327	2883.686774790884	2762.812888601777	2729.330812432623	37.508254287677536	37.508254287677536
654	48	35434	42218.85867307335	32.82417	31.70250766	39.13610943190446	-00.5878586	36274.7419	43330.972492327	2883.283289016835	2761.316918739433	2728.950215653862	37.508254287677536	37.508254287677536
655	48	35435	42218.85867307335	32.82417	31.70250766	39.13610582617078	-00.5855327	36295.769	43330.972492327	2882.93140882869	2759.839147078162	2727.95805610887	37.508254287677536	37.508254287677536
656	48	35436	42218.85867307335	32.82417	31.70250766	39.13610216837131	-00.5832368	36317.727142378	43330.972492327	2882.93140882869	2758.93140882869	2727.95805610887	37.508254287677536	37.508254287677536
657	48	35437	42218.85867307335	32.82417	31.70250766	39.1360969692187	-00.5808808	36337.2646699317	43330.972492327	2882.93140882869	2757.939311376342	2726.939311376342	37.508254287677536	37.508254287677536
658	48	35438	42218.85867307335	32.82417	31.70250766	39.1360927513841	-00.5785549	36358.8519932587	43330.972492327	2882.93140882869	2756.939311376342	2725.939311376342	37.508254287677536	37.508254287677536
659	48	35439	42218.85867307335	32.82417	31.70250766	39.13608884313219	-00.576229	36379.69781845104	43330.972492327	2882.93140882869	2755.939311376342	2724.939311376342	37.508254287677536	37.508254287677536
660	48	35440	42218.85867307335	32.82417	31.70250766	39.1360841	-00.573903	36397.0623439745	43330.972492327	2882.93140882869	2754.939311376342	2723.939311376342	37.508254287677536	37.508254287677536
661	48	35441	42218.85867307335	32.82417	31.70250766	39.1360797232415	-00.5715771	36417.9331716216	43330.972492327	2882.93140882869	2753.939311376342	2722.939311376342	37.508254287677536	37.508254287677536
662	48	35442	42218.85867307335	32.82417	31.70250766	39.13607520953636	-00.5692512	36437.8216917815	43330.972492327	2882.93140882869	2752.939311376342	2721.939311376342	37.508254287677536	37.508254287677536
663	48	35443	42218.85867307335	32.82417	31.70250766	39.1360708384872	-00.5669253	36457.7683983835	43330.972492327	2882.93140882869	2751.939311376342	2720.939311376342	37.508254287677536	37.508254287677536
664	48	35444	42218.85867307335	32.82417	31.70250766	39.136066317213325	-00.5645993	36477.013166855	43330.972492327	2882.93140882869	2750.939311376342	2719.939311376342	37.508254287677536	37.508254287677536
665	48	35445	42218.85867307335	32.82417	31.70250766	39.136061758651834	-00.5622734	36497.036969711	43330.972492327	2882.93140882869	2749.939311376342	2718.939311376342	37.508254287677536	37.508254287677536
666	48	35446	42218.85867307335	32.82417	31.70250766	39.136057155164814	-00.5599475	36517.0658244594	43330.972492327	2882.93140882869	2748.939311376342	2717.939311376342	37.508254287677536	37.508254287677536
667	48	35447	42218.85867307335	32.82417	31.70250766	39.1360525075196	-00.5576212	36537.819948419	43330.972492327	2882.93140882869	2747.939311376342	2716.939311376342	37.508254287677536	37.508254287677536
668	48	35448	42218.85867307335	32.82417	31.70250766	39.136047813153	-00.555296	36557.9179962485	43330.972492327	2882.93140882869	2746.939311376342	2715.939311376342	37.508254287677536	37.508254287677536
669	48	35449	42218.85867307335	32.82417	31.70250766	39.13604329198387	-00.5529618	36578.1696301364	43330.972492327	2882.93140882869	2745.939311376342	2714.939311376342	37.508254287677536	37.508254287677536
670	48	35450	42218.85867307335	32.82417	31.70250766	39.13603873919837	-00.5506438	36598.1696301364	43330.972492327	2882.93140882869	2744.939311376342	2713.939311376342	37.508254287677536	37.508254287677536
671	48	35451	42218.85867307335	32.82417	31.70250766	39.1360343842228	-00.5483179	36618.1925254367	43330.972492327	2882.93140882869	2743.939311376342	2712.939311376342	37.508254287677536	37.508254287677536
672	48	35452	42218.85867307335	32.82417	31.70250766	39.1360298500044	-00.5459919	36638.231052461	43330.972492327	2882.93140882869	2742.939311376342	2711.939311376342	37.5082	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SatThkLog.ft	SatThkBoth.ft
13	49	35533	-360201.1413	824077.3170250766	36.193131222	-102.078739	233873.373239391	4335863.402	3991.7138740396613	356086888815604	3866.020148	3866.8125142062477	0	0
14	49	35534	-362626.1413	824077.3170250766	36.19133690591122	-102.0764134	234074.88021839117	4335869.30346119	3987.7017254116503	356252466509687	3858.3373962133744	3859.1997170449475	0	0
15	49	35535	-361701.1413	824077.3170250766	36.19338181	-102.076078	234276.364540483	4335865.23863134	3986.927115274244	356359976978055	3851.916131	3852.3668482777433	30291.75993	4279457790062244
16	49	35536	-361041.1413	824077.3170250766	36.191368147326	-102.0717623	234077.2006041903	4335851.157	3989.4217762141	356366562790215	3845.95466562790215	3846.989014486394	7.71215972302253	6.6775517002275825
17	49	35537	-360381.1413	824077.3170250766	36.19314107013221	-102.0694367	234678.354050150567	4335847.074563633	3991.900336505642	356238947513393	3840.940468992099	3841.93185665671	11.439006521293995	10.45760964763167
18	49	35538	-359721.1413	824077.3170250766	36.131435207176374	-102.0671112	234879.5081357127	4335842.9641876	3994.30088506441	3851.11132576925	3836.37581844472	3837.768236748449	14.738811413220446	13.345396179204403
19	49	35539	-359061.1413	824077.3170250766	36.102647856	-102.0647856	235080.6615068465	4335839.31086051	3994.366012950585	3849.8412945097443	3832.306539	3834.856470120374	17.53475588248205	15.655647497706923
20	49	35540	-358401.1413	824077.3170250766	36.131484066507015	-102.06246	235281.8146151136	4335838.632160461	3991.8317614210639	3848.571252736978	3828.535174948694	3830.91921	20.036077788506546	17.65915245428968
21	49	35541	-357741.1413	824077.3170250766	36.193569819674	-102.0601544	235482.6794697614	4335836.741101398	3988.827115274244	356359976978055	3851.916131	3852.3668482777433	30291.75993	4279457790062244
22	49	35542	-357081.1413	824077.3170250766	36.19153278624024	-102.057608	235684.1203436906	4335837.6395622	3988.761512739023	3846.040171722189	3822.55659298023	3825.7415553438	23.4447474189516	20.32585177880916
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28	49	35548	-353121.1413	824077.3170250766	36.1916770294666	-102.043853	236881.03002458417	4335802.191	3956.30257050715	3838.525703051725	3813.0511526242	3820.313287391306	25.432167148930572	18.21415614136717
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43	49	35563	-343221.1413	824077.3170250766	36.1920332855341	-102.0089713	239908.26412510392	4335741.919238396	3928.66125401766712	3821.210359793603	3799.878074	3800.07319520808	23.23285870990345	21.13654027292114
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56	49	35576	-334641.1413	824077.3170250766	36.19233319250251	-101.9787382	242523.15327188757	4335698.036	3903.0748547567026	3800.444776720526	3776.91685479318	3803.802491711392	38.749843030438	16.0832818
57	49	35577	-333981.1413	824077.3170250766	36.1923559	-101.9764126	242724.29678814876	4335683.961203858	3902.849672719625	3800.3965959614534	3776.227336260933	3774.79553		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThKLog.s	SatThKBoth.f
139	35659	-279861.1413	824077.3170250766	39.13406903032704	-171.7857061	259217.216953464	4335350.452918159	3690.850836551107	3622.028952101074	3618.441257	3598.95877173395	3.5873361920776006	32.069816076712414	
140	35660	-279201.1413	824077.3170250766	39.13405805744682	-171.7833304	259184.234	43353.36239999884	3687.7953719037187	3619.456890350401	3619.417541779184	3593.500340383272	1.039348571	32.92648727	
141	35661	-278681.1413	824077.3170250766	39.1341023964676	-171.7815456	259189.46381990738	43353.333256256	3684.7323333256256	3619.8635892601627	3620.621934940447	3601.15666684256	0	15.726288310906766	
142	35662	-277881.1413	824077.3170250766	39.13412597692685	-171.7782269	259182.585362964	43353.338.274	3681.68442608942	3614.305315440061	3622.5957587782141	3607.38605583590053	0	6.919257081055548	
143	35663	-277221.1413	824077.3170250766	39.13414486928705	-171.7764031	260021.7073488631	4335334.2124292196	3678.061609580266	3611.7238927168974	3624.9432549220483	3613.0848923856884	0	0	
144	35664	-276561.1413	824077.3170250766	39.13416372	-171.7740774	260222.82836193	43533.30.155073188	3676.8714081703956	3609.1380034565213	3627.6973866299527	3620.0127026276.906	0	0	
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146	35666	-275241.1413	824077.3170250766	39.13420128	-171.7694259	260625.0732369942	43533.32.0715758	3672.491005350593	3603.949711389606	3632.1527760138174	3630.4508058185793	0	0	
147	35667	-274581.1413	824077.3170250766	39.1342198862815	-171.7671001	260826.1947107676	43533.1.978	3668.09039639289	3601.3465115182004	3631.172012598847	3632.050042458115	0	0	
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149	35669	-273261.1413	824077.3170250766	39.13425728	-171.7624488	261228.46378547616	43533.03.862	3648.8609790588735	3596.118650242873	3622.632314433023	3622.9197010121243	0	0	
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159	35679	-266661.1413	824077.3170250766	39.13444103791546	-171.739191	263239.6329992372	43526.28.77371273	3679.526002595193	3569.490276438617	3618.0355440008678	3622.36684607963	0	0	
160	35680	-266001.1413	824077.3170250766	39.1344591664102	-171.736863	263440.751492359	43525.31.299038	3688.059938188439	3566.77599410506	3622.488215173706	3627.34367186193344	0	0	
161	35681	-265341.1413	824077.3170250766	39.13448068989836	-171.734591	263648.5719818657	43525.36.19845911	3691.48492741386	3571.827040282936	3611.200538164584	3627.38603377687	0	0	
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178	35698	-254121.1413	824077.3170250766	39.13477780209679	-171.6950013	267060.84155552136	43519.192.45431295	3680.935157655073	3516.452743899544	3544.140118924005	3562.254546750034	0	0	
179	35699	-253461.1413	824077.3170250766	39.13479507317676	-171.6926759	267261.95474964807	43518.92.9240095	3680.923404042378	3513.5825485413284	3530.3378292831843	3556.4756469336803	0	0	
180	35700	-252801.1413	824077.3170250766	39.1348112307617395	-171.6903497	267463.0691642931	43518.14.19403051	3676.95919194484812	3510.703489557322	3525.6866589616	3552.3896589616	0	0	
181	35701	-252141.1413	824077.3170250766	39.1348296496905	-171.6879181	267664.1538196683	43518.14.19403051	3673.071492845911	3507.847240161366	3585.2911956913957	3627.38603377687	0	0	
182	35702	-251481.1413	824077.3170250766	39.13484635345321	-171.6856081	267865.0955357406	43517.03.043004531	3669.06107760688	3504.9195153128726	3591.416723170136	3545.016502268086	0	0	
183	35703	-250821.1413	824077.3170250766	39.13486372889624	-171.6833723	268066.408853971	43517.1.96136561	3663.9481260191224	3502.01469602794	3526.18373291236	3542.43626121885	0	0	
184	35704	-250161.1413	824077.3170250766	39.134880779603996	-171.6810465	268267.5125620063	43516.77.92395216	3657.677045298876	3499.102633737359	3522.7916801677293	3539.48813819937	0	0	
185	35705	-249501.1413	824077.3170250766	39.13489778529745	-171.6787207	268468.631676323	43516.33.877329119	3651.4059832406524	3496.1847145245948	3519.412724341756	3537.359213	0	0	
186	35706	-248841.1413	824077.3170250766	39.13491744606954	-171.6763949	268668.764480214	43515.89.82543751	3645.1349118514177	3493.261773749002	3516.023668619655	3534.959471033903	0	0	
187	35707	-248181.1413	824077.3170250766	39.134936169182025	-171.6740991	268870.8585647535	43515.89.82543751	3642.283276783346	3490.338393288855	3515.37204649815	3529.168965329387	0	0	
188	35708	-247521.1413	824077.3170250766	39.1349532854535	-171.6717433	269071.97042065277	43515.71.12776735	3638.860231566436	3487.04133840402	3505.18177332978	3525.4702503222	0	0	
189	35709	-246861.1413	824077.3170250766	39.13496535857398	-171.6694175	269273.08046281783	43514.71.670079633	3633.4341533596236	3484.460483142662					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRElevLogsKrt	BRElevBothKrt	SatHtLogsKrt	SatHtBothKrt	
256	49	35785	-196701.1413	824077.3170250766	39.136112893029176	-01.4926539	28456.91337	34334840.276251179	334.2626337386173	3267.3080571466467	3260.1316870815767	3252.8003956571782	31.77370060569932	14.507697574864778
266	49	35786	-196701.1413	824077.3170250766	39.13612605996968	-01.4930231	284758.008404557	34334836.238262369	3330.5012280691474	3360.3314224414448	3255.108473350178	3256.970424043936	18.57473064266688	18.57473064266688
267	49	35787	-196701.1413	824077.3170250766	39.13612605996968	-01.4930231	284859.10386119056	34334832.20048732	3338.6845165042343	3255.5766641218343	3249.2681423685428	3238.814241	13.3122881612444	23.96142238985428
268	49	35789	-196701.1413	824077.3170250766	39.13615265916162	-01.4856763	285160.197570246	34334826.126896598	3330.764142	3260.241173595993	3242.9273216272487	3229.89870288373	13.67769174287347	30.34200451128405
269	49	35789	-196701.1413	824077.3170250766	39.13615689135837	-01.4833505	285361.291385244	34334824.12414359	3328.858933182417	3257.829615472703	3323.398000283628	3224.270871053873	22.531651189075183	33.6587444182898
270	49	35790	-196701.1413	824077.3170250766	39.13617907863138	-01.4810246	285562.384959518	34334820.08814467	3328.95523633044	3255.641178203497	3322.1708918715585	3221.360324934307	30.81368248791148	34.800226298169184
271	49	35791	-196701.1413	824077.3170250766	39.13618222098063	-01.4788987	285763.47865962786	34334816.01044286	3331.079518567189	3253.3742889582018	3225.944212464799	3320.9213047325848	27.432164689202683	25.8525552616996
272	49	35792	-196701.1413	824077.3170250766	39.13620531840612	-01.4763728	285964.571967693	34334812.011417809	3333.2281816977513	3251.1258873615684	3224.759050769447	3241.6851960032548	27.432164689202683	25.8525552616996
273	49	35793	-196701.1413	824077.3170250766	39.13621637097784	-01.4740468	286165.5651550904	34334807.877356528	3338.384115353536	3254.8695949441	3223.588975	3244.498468725916	25.8525552616996	25.8525552616996
274	49	35794	-196701.1413	824077.3170250766	39.13623139	-01.4717211	286366.7581315634	34334803.40785933	3343.536413808997	3246.685239714423	3221.762332373123	3247.4103972837314	24.922407242323	0
275	49	35795	-196701.1413	824077.3170250766	39.13624434113957	-01.4693952	286567.805975973	34334799.430480521	3348.37891033931	3244.4951202586462	3219.4289371198925	3256.7769654544	25.0661813873786	0
276	49	35796	-189441.1413	824077.3170250766	39.13625725886694	-01.4670693	286768.9435312286	34334795.86187795	3353.911604984582	3242.326974915576	3216.5201495629708	3246.41672372487	25.80682536638336	0
277	49	35797	-189441.1413	824077.3170250766	39.13627013167581	-01.4647434	286970.5037984735	3352.44183209076	3350.1842966924862	3240.1824629688326	3213.90345233261826	3226.3810699332427	26.7297728064997	33.73170274389847
278	49	35798	-189441.1413	824077.3170250766	39.13628295955804	-01.4624215	287171.1279337462	34334787.7602628	3364.6769942747	3238.60333937237	3210.6302919198666	3222.300495934963	27.43270677750526	5.673249343740545
279	49	35799	-189441.1413	824077.3170250766	39.13629674	-01.4600917	287372.219	34334783.76045523	3365.667448744024	3235.9715411578963	3206.1580231996325	3224.90931980268	29.81387299623142	11.9658039297596298
280	49	35800	-189441.1413	824077.3170250766	39.13630834055096	-01.4577658	287573.3115715757	34334779.724056399	3361.5162831591065	3233.900435770663	3201.1411869623385	3224.66295704087	32.7602481430457	0
281	49	35801	-189441.1413	824077.3170250766	39.13632117366089	-01.4554399	287774.4030816722	34334775.68959414	3357.354877538106	3231.8814466761246	3209.008982173443	3225.65464715537	35.8805547470322	0
282	49	35802	-189441.1413	824077.3170250766	39.13633213821875	-01.453114	287975.943789991	34334771.65405058	3353.249131908156	3229.891326076395	3189.8435919003778	3223.50518047671	48.8273451780617	0
283	49	35803	-189441.1413	824077.3170250766	39.136346524109345	-01.4507881	288176.58546734254	34334767.619	3352.46248028877	3227.942385745135	3183.1075546744673	3225.618950381848	44.834831070946166	0
284	49	35804	-189441.1413	824077.3170250766	39.13635898344747	-01.4484622	288377.673649069	3353.673.58454196	3355.13209380668	3226.0328563562	3176.348356130515	3226.622305052618	25.72270052294725	0
285	49	35805	-189441.1413	824077.3170250766	39.1363735	-01.4461363	288578.767017896	34334759.55	337.7949551961933	3224.182996191933	3168.46010394975	3188.261500128126	35.32288580172818	35.32288580172818
286	49	35806	-189441.1413	824077.3170250766	39.1363953653139	-01.4438105	288779.85748051974	3356.45751581795	3380.45781429152	3220.88967878954	3164.4742693720456	317.93326545490471	74.53458987075051	0
287	49	35807	-189441.1413	824077.3170250766	39.1364179146804	-01.4412473	2890187.4850017093	34334749.278171853	3388.7674524191144	3217.177675699996	3162.1857467211342	318.4997679567827	48.7862143385164	0
288	49	35808	-189441.1413	824077.3170250766	39.13640765764696	-01.4391587	289182.0378143745	34334746.4089982	337.717094719141	3218.9511045812073	3155.3107509123834	3136.839763530757	63.403536882399	82.11134123043166
289	49	35809	-189441.1413	824077.3170250766	39.13642110128224	-01.4368328	289383.12727018113	34334743.42359051	3388.5023247026866	3213.34203720301	3167.506768268361	3153.34548113745	48.8273451780617	0
290	49	35810	-189441.1413	824077.3170250766	39.136433390075375	-01.4345069	289584.21705137457	34334739.39133915	339.187554669192	3215.7898424115263	3174.204814517121	3159.92789301922	41.580297	56.95195061319446
291	49	35811	-189441.1413	824077.3170250766	39.1364456339429	-01.432181	289785.306775222	3357.417636190738	3214.325111035777	3217.2310564203954	3154.8495749403995	3140.5914568318229	59.47253616317812	0
292	49	35812	-189441.1413	824077.3170250766	39.13645783288893	-01.4298551	289986.3959919291	34334731.21025291	3396.672569216323	3212.368249813114	3165.454292770128	3155.927104002685	47.4819601218322	57.00923249048492
293	49	35813	-189441.1413	824077.3170250766	39.1364699890929	-01.4275923	290187.4850017093	34334729.78171853	3388.7674524191144	3217.177675699996	3162.1857467211342	318.4997679567827	48.7862143385164	0
294	49	35814	-189441.1413	824077.3170250766	39.1364820405537	-01.4253433	290393.2546457407	34334725.25056591	3382.51232458324	3215.232458324	3161.71618698011	317.93326545490471	74.53458987075051	0
295	49	35815	-189441.1413	824077.3170250766	39.13649416017703	-01.4228774	290589.6624012537	34334719.21376179	3383.170003336928	3209.2693921671976	3153.4212902217785	3163.42703139839	58.87510014601912	45.8693860276656
296	49	35816	-189441.1413	824077.3170250766	39.13650617942439	-01.4205515	290790.75079144666	34334715.17997183	3387.69026436984	3208.269076529316	3150.477642692993	3157.283336700008	21.02513935284416	0
297	49	35817	-189441.1413	824077.3170250766	39.1365185374736	-01.4182256	290991.838975514	34334711.14738502	3392.210495614595	3207.3139921766033	3147.3230963196543	3152.0088887144949	33.8602868564898	0
298	49	35818	-189441.1413	824077.3170250766	39.13653008314595	-01.4158997	291192.0269356854	34334707.11497281	3396.320612673925	3206.45373089114	3143.910069820134	3239.785726183315	62.5439617032138	0
299	49	35819	-189441.1413	824077.3170250766	39.13654196762008	-01.4135738	291394.0417261402	34334702.6733357	3395.631959381977	3205.67541824558	3140.671884833398	3235.955594803695	60.0033312910002	0
300	49	35820	-189441.1413	824077.3170250766	39.136553807149804	-01.4112473	291695.102320237	34334699.05826731	3398.7674524191144	3204.31292202313	3136.811356993181	3257.131143292464	81.6615539	0
301	49	35821	-189441.1413	824077.3170250766	39.13656560175903	-01.408922	291796.1896547444	34334695.01781585	3385.687940775388	3204.314684486847	3132.497515403891	3248.877188182872	71.84412944197636	0
302	49	35822	-189441.1413	824077.3170250766	39.13657731495774	-01.4065961	291997.276811309	34334690.96755322	3380.368313934395	3203.7764783264197	3127.751999079915	3141.21732252005	70.6204781842817	0
303	49	35823	-189441.1413	824077.3170250766	39.136589065272015	-01.4042702	292198.367326822	34334687.90551028	3379.19700557582	3203.7764783264197	3127.751999079915	3229.168322159896	80.6474817590825	0
304	49	35824	-189441.1413	824077.3170250766	39.13660072	-01.4019443	292399.50540999714	34334682.924138995	3355.178463356592	3202.817596021856	3117.472726586805	3158.47692698076	85.34503301355066	9.340832693490348
305	49	35825	-189441.1413	824077.3170250766	39.13661233105086	-01.3996184	292600.5370524811	34334678.89294051	3340.15992112594818	3201.510452216877	3113.800822702182	3170.674218011137	88.0698715	0
306	49	35826	-189441.1413	824077.3170250766	39.1366239105342	-01.3972925	292801.6233907187	34334674.86191549	3352.141738995254	3202.44295324652	3113.767094943394	3161.65831474018	78.2558265319378	20.389108751277035
307	49	35827	-189441.1413	824077.3170250766	39.13663594092474	-01.3947607	293018.7659492474	34334669.87834949	3347.33224545324	3201.510452216877	3113.800822702182	3170.674218011137	88.0698715	0
308	49	35828	-189441.1413	824077.3170250766	39.13664690928474	-01.3924607	293203.795	34334665.80037573	3340.15992112594818	3201.510452216877	3113.800822702182	3170.674218011137	88.0698715	0
309	49	35829	-189441.1413	824077.3170250766	39.136658341513446	-01.3903148	293404.88181818254	34334662.799881024	3340.15992112594818	3201.510452216877	3113.800822702182	3170.674218011137	88.0698715	0
310	49	35830	-189441.1413	824077.3170250766	39.136669713817484	-01.3878989	293605.96750109	34334658.79349173	3340.15992112594818	3201.51				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	SatHtKgr.f	SatHtBoth.f
391	49	35911	-113541.1413	824077.3170250766	39.13744314982502	-101.1995883	00988.2374155184	4343342.85792669	3308.5106530184726	310.9716489320283	312.759556732211	312.23410183907195	32.2109019981734	27.73062854130876
392	49	35912	-112881.1413	824077.3170250766	39.13745085624129	-101.1972623	10084.30695193267	4343428.81708449	3307.238416599647	312.08572699662	312.08572699662	312.68403134171547	28.4068336997594	27.806242723682376
393	49	35913	-112221.1413	824077.3170250766	39.1374581773138	-101.1948214	10095.3768018767	4343424.83259268	3304.968180176635	311.749213983638	312.08572699662	312.08572699662	28.5380268569297	27.8262943746784
394	49	35914	-111561.1413	824077.3170250766	39.137466134239259	-101.1926104	10096.4545565304	4343320.81003449	3302.69343760249	314.6340366971892	317.8170154204047	311.5813136898826	28.67541172314224	27.91917032036563
395	49	35915	-110901.1413	824077.3170250766	39.13747370593305	-101.1902844	10067.514443188	4343316.794414576	3307.148826536629	314.91872224	311.6450065019512	311.665051892754	28.82221270089886	28.11164410296074
396	49	35916	-110241.1413	824077.3170250766	39.1374813264459	-101.1879585	10088.5832349622	4343312.77896455	3298.912424975916	314.348403685035	311.468178	311.2159065482725524	28.2213818871161	27.9223818871161
397	49	35917	-109581.1413	824077.3170250766	39.13748871442993	-101.1856325	10109.6518418476	4343308.73695081	3297.148826528964	314.9102255111648	311.259666677045	311.035388177985	28.4008363119693	28.4008363119693
398	49	35918	-108921.1413	824077.3170250766	39.13749615128902	-101.1836306	10130.72026176914	4343304.748994441	3296.385224260343	314.03635510029994	311.257576049101	311.16619451868246	28.1059749535858	28.1059749535858
399	49	35919	-108261.1413	824077.3170250766	39.1375034322187	-101.1808806	10151.78849721106	4343298.33966531	3295.438557657849	313.8182541789715	310.9485536676585	310.9485536676585	28.31487102262894	28.31487102262894
400	49	35920	-107601.1413	824077.3170250766	39.1375109922848	-101.1786547	10172.8565476189	4343296.718911344	3293.255223215093	313.7252489917541	310.7725024740904	310.085837446315	28.52624075763532	28.1451371226108
401	49	35921	-106941.1413	824077.3170250766	39.13751819320882	-101.1763287	101903.9243119173	4343292.704	3289.1402558595185	313.691988877041	310.570594585219	310.2739331821948	28.2933931821948	28.2933931821948
402	49	35922	-106281.1413	824077.3170250766	39.13752549462856	-101.1740027	102104.99209415005	4343288.69	3286.994989	313.3470583015077	310.3949035393465	310.43498584109	28.18135470756124	28.18135470756124
403	49	35923	-105621.1413	824077.3170250766	39.13753266169062	-101.1716768	102306.0599608215	4343284.67582031	3285.2167773462006	313.3251172918291	310.2491888286163	310.275333039664	28.32198408967515	28.32198408967515
404	49	35924	-104961.1413	824077.3170250766	39.13753982899204	-101.1693508	102507.1269	4343280.61167648	3283.805617772805	313.31010578	310.059961787935	310.074889860987	28.155826419124918	28.155826419124918
405	49	35925	-104301.1413	824077.3170250766	39.137546951367014	-101.167028	102718.1940313047	4343276.647725946	3282.384462638313	312.946987145916	309.538148887106	309.9635627127874	28.04325327745484	28.013135957
406	49	35926	-103641.1413	824077.3170250766	39.13755402881191	-101.164689	102909.2609780243	4343272.634	3280.98310639412	312.727193127398	309.309848554846	309.7437015651123	28.017300271911497	28.017300271911497
407	49	35927	-102981.1413	824077.3170250766	39.1375610133836	-101.1623729	103110.3277366988	4343268.62046563	3280.033721254218	312.563990484214223	309.7682086230278	309.76210621317632	28.176962191144336	28.176962191144336
408	49	35928	-102321.1413	824077.3170250766	39.13756804893439	-101.160047	103311.3943141975	4343264.60706859	3279.535650660135	312.4868280799624	309.8239639049343	309.78256118900217	28.6464417046955	27.6066091
409	49	35929	-101661.1413	824077.3170250766	39.137574916408	-101.157721	103512.460780543	4343260.59885807	3278.040929201818	312.3391355117315	309.673359654447	309.832620340726	28.527795872879	28.36015171005318
410	49	35930	-101001.1413	824077.3170250766	39.137581893473	-101.155395	103713.5269	4343256.580857398	3276.5462077480624	312.1020638092455	309.60721184552213	309.72486920156023	28.64867926	28.64867926
411	49	35931	-100341.1413	824077.3170250766	39.1375888216424	-101.1530691	103914.5924983572	4343252.68001621	3277.78392780273	312.049662306228	309.8293995275905	309.82129667457	28.7302675852222	28.7302675852222
412	49	35932	-99681.1413	824077.3170250766	39.1375955500017	-101.1507431	104115.65879431297	4343248.55518474	3276.75407572057	311.910395923439	308.822197104759	308.8951337	28.71272892576322	28.1879133665345018
413	49	35933	-99021.1413	824077.3170250766	39.137602230187	-101.1484171	104343.42454798457	4343244.42807844	3275.81942358173	311.8242031813128	308.75732148892971	308.75732148892971	28.6211433022455	28.6211433022455
414	49	35934	-98361.1413	824077.3170250766	39.13760903105634	-101.1460912	104517.7893930505	4343240.53407023	3274.694377959573	311.6228102749683	308.2333764530816	308.4100057	28.53623321866578	28.1205457424071
415	49	35935	-97701.1413	824077.3170250766	39.13761570146794	-101.1437652	104718.85823875314	4343236.51830477	3273.7249484787301	311.4824618743015	307.931791998939	308.12921470723275	28.35834511790653	28.37145144749702
416	49	35936	-97041.1413	824077.3170250766	39.13762233255456	-101.1414392	104919.9204563864	4343232.50639091	3272.869937417506	311.4372643624298	307.644953609628	308.4627941113046	28.0228995280171	28.0228995280171
417	49	35937	-96381.1413	824077.3170250766	39.13762981561361	-101.1391133	105120.9853925165	4343228.49488952	3269.96997447596	311.2107929399734	307.3900135	308.0969117495347	28.20296819459343	28.0196749646226
418	49	35938	-95721.1413	824077.3170250766	39.13763543945628	-101.1367873	105322.0501472956	4343224.48824294	3268.12916267841	311.0762599907905	307.5258917633373	307.7836792951978	28.22400774463313	28.01569856003113
419	49	35939	-95061.1413	824077.3170250766	39.13764197459506	-101.1346183	105523.1147298296	4343220.41873908	3267.0454267913973	310.893781628267	307.630717085758845	307.630717085758845	28.0723253240223	28.0723253240223
420	49	35940	-94401.1413	824077.3170250766	39.137648143234912	-101.1324153	105724.1791381954	4343216.46049484	3265.940173413128	310.7040713214829	306.658194314829	306.658194314829	28.0216790198297	28.0216790198297
421	49	35941	-93741.1413	824077.3170250766	39.137653799381224	-101.1298094	105925.243255734	4343212.448993013	3265.42795972412	310.6571538686054	306.48032323607	307.000554118898	28.4179196830439	28.678612267572514
422	49	35942	-93081.1413	824077.3170250766	39.13766115080636	-101.1274834	106126.3073693939	4343208.47779793	3265.31020650016316	310.5110206503635	306.2422460042897	306.2422460042897	28.6687805057286	28.06582611599216
423	49	35943	-92421.1413	824077.3170250766	39.13766747170586	-101.1251574	106327.317208085	4343204.42719209	3263.352899919014	310.3350571129435	306.028971702063	306.240218983811	28.6480947273716	28.6480947273716
424	49	35944	-91761.1413	824077.3170250766	39.1376737404783	-101.1228315	106528.4349705654	4343200.416805016	3261.350491842324	310.2549085165196	305.8093928440064	305.747235638863	28.4560697113061	27.302325280855
425	49	35945	-91101.1413	824077.3170250766	39.13767996	-101.1205958	106728.4983070162	4343196.408140523	3259.453468945455	310.1155136752408	305.851835852648	305.747235638863	28.4560697113061	28.4560697113061
426	49	35946	-90441.1413	824077.3170250766	39.137686143234912	-101.1181789	106930.561814423	4343192.35837707	3247.502454945894	310.5112428313	305.585148943983	305.747235638863	28.4560697113061	28.4560697113061
427	49	35947	-89781.1413	824077.3170250766	39.1376927722621	-101.1158353	107131.628132895	4343188.38779902	3245.548385779002	309.837875254375	305.3130292572374	306.7678117744166	28.016569292131	28.6597635104643
428	49	35948	-89121.1413	824077.3170250766	39.1376983630229	-101.1135276	107332.86757679143	4343184.35656791	3243.57796572145	309.613837000215	304.93951260334	307.382285345926	28.5142346396612	19.53145895427588
429	49	35949	-88461.1413	824077.3170250766	39.13770410441756	-101.1120216	107533.7505382119	4343180.37673703	3241.611701739272	309.45478241024997	304.92645296822	307.3810411852773	28.4551831852773	17.17681232733677
430	49	35950	-87801.1413	824077.3170250766	39.1377104965457	-101.108756	107734.8131337371	4343176.35625934	3239.645600690287	309.4038089668	304.743797488677	305.7222915666236	28.455700114781848	28.455700114781848
431	49	35951	-87141.1413	824077.3170250766	39.1377163394077	-101.106497	107935.8756953136	4343172.7247125078	3237.710301268491	309.2697661554127	304.67706431385875	304.7173860490501	28.455700114781848	28.455700114781848
432	49	35952	-86481.1413	824077.3170250766	39.1377227333031	-101.1042377	108136.8136378	4343168.37892784	3237.327384874507	309.0910954557323	304.833113250798	304.7173860490501	28.455700114781848	28.455700114781848
433	49	35953	-85821.1413	824077.3170250766	39.1377291737314	-101.1020911	108337.454548989	4343164.32839345	3235.94548393945	308.903461981946	304.67706431385875	304.7173860490501	28.455700114781848	28.455700114781848
434	49	35954	-85161.1413	824077.3170250766	39.1377336723001	-101.0995717	108539.01672697234	4343160.31945651	3235.54710253956	308.704440495313	304.5017365470723	306.30857817611096	28.455700114781848	28.455700114781848
435	49	35955	-84501.1413	824077.3170250766	39.13773973181879	-101.0972458	108740.123400879	4343						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKsg.f	BRElevBothK.f	SatHtLog.f	SatHtBoth.f
517	49	36037	-30381.14133	824077.3170250766	-31.380603693814	-100.9065148	33265.5974779978	4333828.18265309	3056.353662921585	2864.6155263455334	2864.491914207688	2864.0773675665283	84.1230939374658	84.5476907880813
518	49	36038	-2927.141133	824077.3170250766	-31.3806240657244	-100.904188	335427.65413083198	4333824.18822543	3057.1562173048976	2947.6081155119836	2872.7170354165316	2872.616361069219	74.991744607363207	74.991744607363207
519	49	36039	-2906.14133	824077.3170250766	-31.3806441	-100.903826	336854.602292978	4333820.193936305	3058.413891041148	2946.6273365957	2882.255162209138	2882.255162209138	83.95317103537315	83.95317103537315
520	49	36040	-2840.14133	824077.3170250766	-31.38066363059075	-100.8995368	335829.7390546372	4333816.19986781	3060.1266813195616	2945.640802	2889.090225897587	2890.335954894674	55.95765846718447	55.95765846718447
521	49	36041	-2774.14133	824077.3170250766	-31.38067391142	-100.8972108	336030.7871260191	4333812.205961568	3061.834275400053	2944.687545428987	2891.8020842143806	2892.464537666832	52.8857005909919	52.2414786074573
522	49	36042	-2708.14133	824077.3170250766	-31.38069139836444	-100.894848	336231.83413732215	4333808.121218051	3063.73668008411	2943.73668008411	2889.206329558223	2889.206329558223	54.5303505268476	54.5303505268476
523	49	36043	-2621.14133	824077.3170250766	-31.3807196083413	-100.892558	336432.8800875503	4333804.21864256	3063.491263350068	2942.79213350043	2883.803913749644	2884.0576045071	58.98292197340150	58.7408826023595
524	49	36044	-2576.14133	824077.3170250766	-31.3807374	-100.8902328	336633.92768052185	4333800.25246176	3061.675580517538	2941.792391343701	2877.035614968009	2877.033377325337	64.817642063612	64.817642063612
525	49	36045	-2510.14133	824077.3170250766	-31.3807546804757	-100.8879768	336854.6742128267	4333796.223017807	3058.413891041148	2940.618113438876	2869.64562385518	2869.64562385518	71.47248369858506	71.47248369858506
526	49	36046	-2441.14133	824077.3170250766	-31.3807715423626	-100.8858508	337026.020683736	4333792.238961129	3057.984229717867	2939.054573364483	2863.08379195951	2862.799652484006	76.901951735871	77.18591082
527	49	36047	-2378.14133	824077.3170250766	-31.3807879555163	-100.8833548	337237.066796979	4333788.26047164	3057.98832587711	2939.054573364483	2863.08379195951	2862.799652484006	80.9437926353046	80.9437926353046
528	49	36048	-2321.14133	824077.3170250766	-31.38080391912666	-100.880928	337438.1125501265	4333784.253622642	3059.820198040624	2938.123991553943	2855.934121934128	2855.74219305197	82.18969640122817	82.3777252
529	49	36049	-2261.14133	824077.3170250766	-31.38082143346364	-100.8786028	337639.15875151404	4333780.266821213	3057.9320678064374	2937.9320678064374	2854.5376005569315	2854.468641475894	82.7935271034877	82.7935271034877
530	49	36050	-2180.14133	824077.3170250766	-31.38083449652694	-100.8762769	337840.2044596763	4333776.26845127	3063.489343162705	2936.261483304259	2853.967848347975	2853.892634739795	82.2936248679979	82.3688457144832
531	49	36051	-2121.14133	824077.3170250766	-31.3808491	-100.8739509	338041.2500694304	4333772.27562538	3063.067943	2935.265495351164	2852.8504976154077	2852.8001916504804	82.47775174	82.500707008335
532	49	36052	-2048.14133	824077.3170250766	-31.3808633083354	-100.8716249	338242.2954911995	4333778.26423279	3060.44089744027	2934.303017604846	2851.545253236162	2851.545253236162	82.8477611901969	82.8477611901969
533	49	36053	-1982.14133	824077.3170250766	-31.3808769807635	-100.869289	338443.3047551711	4333764.292371267	3060.74196554596	2933.455372859898	2849.71137472364	2849.715316954917	83.939898075324	83.939898075324
534	49	36054	-1916.14133	824077.3170250766	-31.3808902604575	-100.8669729	338644.3856511599	4333760.38067969	3055.076324569026	2932.51498365478	2848.5090576547925	2848.5090576547925	86.010438460464	86.010438460464
535	49	36055	-1850.14133	824077.3170250766	-31.3809003847414	-100.8646469	338845.4308104522	4333756.39176701	3052.282131387285	2931.571441258842	2847.742587575473	2847.742587575473	89.8288359136918	89.8288359136918
536	49	36056	-1784.14133	824077.3170250766	-31.38091545416366	-100.8622309	339046.4765021732	4333752.318	3048.38762036812	2930.6217081217072	2836.40040618305	2836.40040618305	94.55121029437524	94.55121029437524
537	49	36057	-1718.14133	824077.3170250766	-31.3809297343121	-100.8599649	339247.502368853	4333748.32667045	3046.4830780396127	2929.665030789127	2832.5639370518543	2832.5639370518543	97.1024060290857	97.1024060290857
538	49	36058	-1652.14133	824077.3170250766	-31.38093848518966	-100.8576689	339448.5647	4333744.33670455	3045.375958365966	2928.6340545596	2831.826115039332	2831.826115039332	97.5497630433477	97.5497630433477
539	49	36059	-1586.14133	824077.3170250766	-31.3809476878616	-100.8553429	339649.51464598	4333740.444598	3044.26384161715	2927.788331254747	2830.682035261623	2830.682035261623	97.778486922864	97.778486922864
540	49	36060	-1520.14133	824077.3170250766	-31.3809604391155	-100.8530169	339850.635010172	4333736.354	3043.107600765596	2927.7299503772	2833.82290354044	2833.822954590167	99.0100948570364	99.0100948570364
541	49	36061	-1454.14133	824077.3170250766	-31.3809705621683	-100.8506809	340051.69720974285	4333732.363709115	3038.717451541146	2925.8023389300137	2833.574686804764	2833.574686804764	99.227667262727	99.227667262727
542	49	36062	-1388.14133	824077.3170250766	-31.3809802359491	-100.848349	340252.741062484	4333728.33984375	3037.338590504327	2924.827482054025	2832.844845753914	2832.301357778313	91.9802624146687	92.527372427511
543	49	36063	-1322.14133	824077.3170250766	-31.3809904465545	-100.8460389	340453.784759419	4333724.38293905	3034.938961074326	2923.8505837044286	2833.506831703262	2833.694957907517	88.155626997951	88.155626997951
544	49	36064	-1256.14133	824077.3170250766	-31.3809982568766	-100.8437129	340654.828036267	4333720.39391851	3031.472649675128	2922.866537370295	2832.812340152996	2832.86803089153	84.74309872	84.74309872
545	49	36065	-1191.14133	824077.3170250766	-31.3810056616506	-100.841389	340854.717867486	4333716.403893872	3028.00633597613	2921.868914151117	2831.63672786354	2831.63672786354	87.874873449686	87.874873449686
546	49	36066	-1124.14133	824077.3170250766	-31.381012836921	-100.8390369	341056.9151763414	4333712.413690462	3024.025862277075	2920.84592671784	2828.4540242379857	2828.4540242379857	94.1187331727009	94.1187331727009
547	49	36067	-1058.14133	824077.3170250766	-31.38102196574606	-100.8367349	341257.958035023	4333708.424	3022.12226249332	2918.858098423963	2821.042274315759	2820.945303689976	88.1863463	89.363378533968
548	49	36068	-991.141327	824077.3170250766	-31.3810283488275	-100.8344089	341459.0014146255	4333704.431350255	3022.69950404287	2918.82740311052	2820.475025209773	2819.856102429752	88.7923680130013	88.7923680130013
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550	49	36070	-861.141327	824077.3170250766	-31.3810414523351	-100.8297569	341861.086394141	4333696.45708671	3021.507897973102	2916.70987973102	2820.7247918012945	2821.137271865173	85.53609739079307	85.53609739079307
551	49	36071	-794.141327	824077.3170250766	-31.381047026506	-100.8274039	342062.1288514896	4333682.46819372	3019.57785312587	2915.61678183563	2819.637558975997	2819.637558975997	85.11942322	85.11942322
552	49	36072	-728.141327	824077.3170250766	-31.381052639921	-100.8251409	342253.1711552369	4333678.479124272	3017.45137358078	2914.50137358078	2818.581802256327	2818.581802256327	87.778486922864	87.778486922864
553	49	36073	-662.141327	824077.3170250766	-31.3810589954977	-100.8227789	342462.213306023	4333684.491300283	3015.5821971527193	2913.368690774953	2823.530784076785	2823.530784076785	88.0302263158865	88.0302263158865
554	49	36074	-596.141327	824077.3170250766	-31.3810617279533	-100.8204529	342665.255302989	4333680.53047757	3009.086403077238	2912.217444	2822.480795916225	2822.742207404784	84.7366481029378	84.7366481029378
555	49	36075	-530.141327	824077.3170250766	-31.3810651	-100.8182619	342866.2971464375	4333675.51466685	3008.334799505815	2911.055900545125	2823.376475039163	2823.747855024768	87.5780455203714	87.5780455203714
556	49	36076	-464.141327	824077.3170250766	-31.3810684951188	-100.8158009	343067.3383685013	4333672.52705709	3007.31987539643	2909.885102775007	2820.490127197543	2820.490127197543	89.394306776576	89.394306776576
557	49	36077	-398.141327	824077.3170250766	-31.3810714297068	-100.8134749	343268.3803743522	4333678.93381874	3006.7339928747	2908.78855831937	2818.844954109367	2819.051451	88.3630907096223	88.3630907096223
558	49	36078	-332.141327	824077.3170250766	-31.3810739151885	-100.8111489	343469.4217591398	4333665.57162114	3005.15435044486	2907.528910511494	2818.681894681499	2818.71976757913	88.3016735	88.3016735
559	49	36079	-266.141327	824077.3170250766	-31.381076245104	-100.808849	343670.46181495	4333652.4458484	3003.9464659826	2906.4464659826	2817.581802256327	2817.581802256327	89.363378533968	89.363378533968
560	49	36080	-200.141327	824077.3170250766	-31.38107753816286	-100.8064969	343871.5047013905	4333654.57132856	3001.81429653474	2905.1680370474	2820.065913	2821.321347	85.1033985	85.1033985
561	49	36081	-134.141327	824077.3170250766	-31.381078675731	-100.8047109	344072.5449992684	4333652.90800338	2998.91760215896	2903.993206086887	2812.807244375363	2813.308977	91.18596117167246	90.6327232679852
562	49													

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRElevKgr.f	BRElevBothKgr.f	SatHtBoth.f	SatHtBoth.f	
43	49	36163	52778.85867307335	824077.3170250766	39.13796430791418	-00.0134392	360557.40317260846	4333326.234234524	2900.9593681158844	2778.3626293582724	2746.4775211536544	31.88108204618064	32.02322661182825
44	49	36164	54348.85867307335	824077.3170250766	39.1379608275053	-00.0111133	360758.4321185843	4333322.261387669	2900.426707692431	2776.7123511948193	2745.275936534307	31.439757660512138	31.6957774833553
44	49	36165	54088.85867307335	824077.3170250766	39.1379632750525	-00.0111133	360758.4321185843	4333322.261387669	2900.426707692431	2776.7123511948193	2745.275936534307	31.439757660512138	31.6957774833553
44	49	36166	54578.85867307335	824077.3170250766	39.1379632750525	-00.0064613	361160.4891116647	4333314.31617895	2899.367848555244	2773.33415598584	2741.557292570685	31.55442467891654	31.5442467891654
44	49	36167	54018.85867307335	824077.3170250766	39.1379495716096	-00.0041353	361361.5184283068	4333310.34844146	2896.594811681238	2771.826108664734	2740.1406685237985	31.6864740424274917	31.85004062488186
44	49	36168	55478.85867307335	824077.3170250766	39.1379457829882	-00.0018093	361562.5460072333	4333316.3716059	2870.2205387136732	2738.232801336073	2737.959613740246	31.6257217374276	32.26071374276
44	49	36169	55088.85867307335	824077.3170250766	39.1379419475441	-00.0094833	361763.5752510772	4333302.4	2886.56588171228	2768.627491162417	2736.313657568284	31.61831359413262	32.506892981675
44	49	36170	57398.85867307335	824077.3170250766	39.13793807962986	-00.5971573	361964.034606995	4333322.47836506	2881.551342	2767.04991358689	2734.2750344354524	32.67689716132857	32.7983751614905
44	49	36171	59088.85867307335	824077.3170250766	39.1379341282844	-00.5948513	362165.631571617	4333324.58701251	2878.227000171981	2765.01566808238	2732.925410017452	32.67689716132857	32.7983751614905
44	49	36172	58178.85867307335	824077.3170250766	39.1379301353685	-00.5929253	362366.5967986115	4333320.448984564	2765.0528091451	2763.952803103506	2731.8219844674744	32.1332525777941	32.5007443240975
44	49	36173	58378.85867307335	824077.3170250766	39.137926134106195	-00.5901794	362567.6872892077	4333326.133645125	2879.9586105111	2762.43232943781	2731.32134380221	32.0341194589827	32.0147184492001
44	49	36174	60038.85867307335	824077.3170250766	39.13792206962649	-00.5876534	362768.1749653598	4333282.54215062	2880.324418015931	2763.937359683053	2731.068018621153	32.0341194589827	32.0147184492001
44	49	36175	60038.85867307335	824077.3170250766	39.1379179602197	-00.5855274	362969.742500352	4333276.17232604	2876.888042905877	2759.45823738449	2730.894253	32.0341194589827	32.0147184492001
44	49	36176	61358.85867307335	824077.3170250766	39.1379138058953	-00.5832014	363170.7699198054	4333274.60472927	2869.6495504080616	2757.932327378965	2730.7139435801846	32.0341194589827	32.0147184492001
44	49	36177	62018.85867307335	824077.3170250766	39.1379096062512	-00.5808754	363371.9719805956	4333272.69092927	2862.41107390792	2756.949378891586	2730.096235169753	32.0341194589827	32.0147184492001
44	49	36178	62078.85867307335	824077.3170250766	39.13790536247266	-00.5785494	363572.423441199	4333266.65012093	2855.1725239407224	2755.12366547698	2728.087041145336	32.0341194589827	32.0147184492001
44	49	36179	63338.85867307335	824077.3170250766	39.13790173222425	-00.5762234	363738.5185387993	4333262.68900446	2851.3411244561173	2753.761119495205	2728.328633097353	32.0341194589827	32.0147184492001
44	49	36180	63998.85867307335	824077.3170250766	39.1378967392055	-00.5738975	363974.872401373	4333262.71890046	2850.917139252441	2752.32539779081	2718.083014585033	32.0341194589827	32.0147184492001
44	49	36181	64658.85867307335	824077.3170250766	39.13789230311696	-00.5715715	364175.9049006319	4333254.748849494	2850.49353943115	2750.952419808486	2717.6142990598208	32.0341194589827	32.0147184492001
44	49	36182	65183.85867307335	824077.3170250766	39.137878306415844	-00.5692455	364376.3160963175	4333254.79160306	2849.969858340586	2749.058828204414	2705.218352759711	32.0341194589827	32.0147184492001
44	49	36183	65978.85867307335	824077.3170250766	39.137883476593014	-00.5669195	364577.9580973851	4333264.80955957	2845.601258	2748.25781743747	2699.09625950145	32.0341194589827	32.0147184492001
44	49	36184	66583.85867307335	824077.3170250766	39.1378795364233	-00.5643953	364778.9845409731	4333242.840101673	2837.059369550066	2746.33959878357	2692.14510658253	32.0341194589827	32.0147184492001
44	49	36185	67158.85867307335	824077.3170250766	39.137874385165465	-00.5622784	364989.017082851	4333242.840101673	2837.059369550066	2746.33959878357	2692.14510658253	32.0341194589827	32.0147184492001
44	49	36186	67958.85867307335	824077.3170250766	39.1378691562736	-00.5599415	365181.037752138	4333234.901725325	2820.071468598026	2744.32572743544	2685.1893125571855	32.0341194589827	32.0147184492001
44	49	36187	68167.85867307335	824077.3170250766	39.13786514303207	-00.5575165	365382.062740028	4333232.93729885	2817.981133598866	2743.038341094743	2682.707976188953	32.0341194589827	32.0147184492001
44	49	36188	69278.85867307335	824077.3170250766	39.1378604957444	-00.5552896	365583.0857462055	4333226.94300325	2816.302217851004	2741.7592042930023	2681.078505583664	32.0341194589827	32.0147184492001
44	49	36189	69938.85867307335	824077.3170250766	39.1378571118995	-00.5529363	365784.114279199	4333222.99543431	2826.626504010242	2740.486421974989	2680.68320000609	32.0341194589827	32.0147184492001
44	49	36190	70598.85867307335	824077.3170250766	39.13785093	-00.5506376	365985.1398534943	4333219.0718397	2820.98506235388	2739.218280259784	2680.59780726765	32.0341194589827	32.0147184492001
44	49	36191	71258.85867307335	824077.3170250766	39.137845810474	-00.5483116	366186.1652990644	4333215.258767184	2820.462436216514	2737.952697165144	2680.59780726765	32.0341194589827	32.0147184492001
44	49	36192	71918.85867307335	824077.3170250766	39.1378412047487	-00.5459587	366392.190146324	4333211.009871672	2817.048527004237	2736.98076979416	2679.1192732918	32.0341194589827	32.0147184492001
44	49	36193	72578.85867307335	824077.3170250766	39.13783630838028	-00.5436957	366588.21900130254	4333207.12775993	2816.42896788735	2735.4223841101707	2680.26306373382	32.0341194589827	32.0147184492001
44	49	36194	73238.85867307335	824077.3170250766	39.13783135	-00.5413337	366789.240588455	4333203.15036708	2807.21339533993	2679.162167771613	2682.00325537391	32.0341194589827	32.0147184492001
44	49	36195	73898.85867307335	824077.3170250766	39.1378263341528	-00.5390077	366990.26587594	4333219.18746781	2804.890727684414	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
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44	49	36197	75218.85867307335	824077.3170250766	39.13781618674282	-00.5343557	367392.1535955016	4333191.25841351	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36198	75878.85867307335	824077.3170250766	39.13781197	-00.532009	367596.9479585403	4333187.28581058	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36199	76538.85867307335	824077.3170250766	39.1378065636299	-00.5297308	367794.364718453	4333186.893614	2808.887172837467	2732.7057719544	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36200	77198.85867307335	824077.3170250766	39.1378002378283	-00.5273778	367995.3860659907	4333179.52179423	2808.887172837467	2732.7057719544	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36201	77958.85867307335	824077.3170250766	39.137795346275865	-00.5250518	368196.14217668839	4333175.36582693	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36202	78185.85867307335	824077.3170250766	39.13779003842065	-00.5227258	368397.3479980567	4333171.41256652	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36203	79178.85867307335	824077.3170250766	39.13778486	-00.5203999	368598.0467505706	4333167.40350789	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36204	79838.85867307335	824077.3170250766	39.137779244194135	-00.5181079	368799.4848438174	4333163.467012581	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36205	80498.85867307335	824077.3170250766	39.1377747697697	-00.5158219	368996.9479585403	4333159.82119058	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36206	81158.85867307335	824077.3170250766	39.1377682843811	-00.5134219	369201.1561196245	4333155.55455176	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36207	81818.85867307335	824077.3170250766	39.13776277377141	-00.511096	369402.550661398	4333151.58939058	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36208	82478.85867307335	824077.3170250766	39.13775714577702	-00.50877	369603.57833418273	4333147.64567321	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36209	83138.85867307335	824077.3170250766	39.1377515885859	-00.506444	369804.6014812937	4333143.6592326	2807.667014062274	2732.8798198940584	2677.38971530568	32.0341194589827	32.0147184492001
44	49	36210	83798.85867307335	824077.3170250766	39.13774582700825	-00.504118	370005.624052677						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBoth.f	SatHtKgr.f	SatHtBoth.f
29	36289	-352641.1413	824737.3170250766	39.13351430144338	-102.0415605	27066.2964279124	433999.936714468	3902.100394	38.56504252660133	3811.0217832022895	3818.22159808979	38.5286522323784	18.32890535163415	
30	36290	-351801.1413	824737.3170250766	39.13353827011946	-102.0392439	27259.41678170014	433999.517287135	3901.7795271774035	38.5344262098567	3810.3696764529194	3820.197107833999	38.17572174566778	15.13762174566778	
31	36291	-351141.1413	824737.3170250766	39.13356218369763	-102.0368029	27498.669678732	433999.238033365	3904.211106669238	38.54129011671834	3809.432034576885	3820.780867270773	38.489716578004893	13.16514530758787	
32	36292	-350481.1413	824737.3170250766	39.133606972716426	-102.0343246	27699.71677170512	433998.715897105	3904.044125008136	38.52933602987165	3809.6751837427581	3822.667214058344	32.25841559073706	10.2638157230374	
33	36293	-349821.1413	824737.3170250766	39.13366096663683	-102.0322579	27900.86624522944	433998.08006627	3939.5841783904464	38.51748082182587	3809.770377	3824.093062827086	21.8777740538586	7.655013935198419	
34	36294	-349161.1413	824737.3170250766	39.13373369654056	-102.0299323	28102.0510133116	433979.31331616	3934.7842122508728	38.50257680047812	3809.6865598135946	3823.659028238265	38.06811099111722	6.91363317	
35	36295	-348501.1413	824737.3170250766	39.133674397272614	-102.0270606	28303.16452061848	433979.92278216	3934.582126789796	38.49208314404583	3810.398170664313	3819.9940659537097	19.00927107614521	9.41313028418532	
36	36296	-347841.1413	824737.3170250766	39.133681138897934	-102.0252089	28504.3132688434	433979.704840277	3938.78979219412	38.48252034192084	3811.207502238344	3814.969679451097	14.04027319537404	13.285239681141	
37	36297	-347181.1413	824737.3170250766	39.133707478315148	-102.0229635	28705.45187576788	433999.620986138	3943.395717202654	38.47107989021963	3811.641567412576	3809.7686624172657	15.455538697659032	17.3390337949059	
38	36298	-346521.1413	824737.3170250766	39.1337240148816	-102.0202639	28905.6098774526	433998.688187138	3947.799512320564	38.4571993201628	3811.257188505628	3814.91305777404	14.708404755653	21.7808742	
39	36299	-345861.1413	824737.3170250766	39.13373196690799	-102.0180234	29107.7578504695	433998.61338977	3947.12404109742	38.44567761764377	3809.6250543217375	3798.4589468983613	15.22172184516421	26.38801887476336	
40	36300	-345201.1413	824737.3170250766	39.13377548641089	-102.0159783	29308.9056969812	433994.53266147	3941.3673051122933	38.4317312754113677	3807.147401739077	3801.0389107516064	16.583874023290623	22.6913646597619	
41	36301	-344541.1413	824737.3170250766	39.1337988699985	-102.0136526	29510.05312336845	433994.554171943	3935.610565925444	38.4223572612307	3804.704022725307	3802.432713067447	17.91954888980963	20.18635946462082	
42	36302	-343881.1413	824737.3170250766	39.133822306650606	-102.011327	29711.20031839287	433996.377815256	3929.85382843997	38.4125145294623	3802.099810522233	3802.26143661913	19.42447183999453	19.2601632705993	
43	36303	-343221.1413	824737.3170250766	39.1338457341768	-102.009013	29912.3472352808	433994.30070855	3927.38730510998	38.4025512485073	3798.2844648749387	3797.87387126096	22.147406837496858	22.5512740112411415	
44	36304	-342561.1413	824737.3170250766	39.13386911525248	-102.006676	30113.48393422183	433938.22373602	3928.15033998448	38.391335142071055	3793.28941938794	3794.268874623904	26.0432014030618	25.066267448204133	
45	36305	-341901.1413	824737.3170250766	39.133882410170155	-102.004349	30314.84035452438	433934.146942226	3928.933911985296	38.381250566148827	3788.2550965080786	3796.313210370993	29.99546811004409	21.93392435813838	
46	36306	-341241.1413	824737.3170250766	39.13391566017061	-102.0020243	30515.7865190937	433930.7172923357	3817.71292393148	38.37117215086257	3783.391781296315	3798.31073107663	33.78037712188736	18.39102112188736	
47	36307	-340581.1413	824737.3170250766	39.133938856523896	-101.9999896	30716.93245439	433925.9938038	3928.88098594526	38.361108653997	3778.62450483003	3786.37818127514	37.4087452923662	17.72516837788589	
48	36308	-339921.1413	824737.3170250766	39.13396202541989	-101.9973729	30918.700740746623	433921.617612614	3926.42472296712	38.35103641344048	3774.282949651697	3796.36250551548	40.7346469235092	18.67016270249087	
49	36309	-339261.1413	824737.3170250766	39.13398514066877	-101.9950472	31119.2326669773	433917.841520361	3923.96584619992	38.34197661486992	3771.975747246998	3791.7813195418257	43.39904050993692	22.195249049516697	
50	36310	-338601.1413	824737.3170250766	39.13400821095987	-101.9927216	313120.3686025994	433913.70563569	3921.5123757027295	38.33215756519496	3768.70576519496	3785.4125474006481	42.1457400644827	21.147089891777	
51	36311	-337941.1413	824737.3170250766	39.13403128641398	-101.990429	315136.376936816	433909.68942483	3909.68942483	38.32215756519496	3771.975747246998	3785.4125474006481	42.1457400644827	21.147089891777	
52	36312	-337281.1413	824737.3170250766	39.134054216910265	-101.9880272	317122.5851042812	433905.614296354	3914.2491943414	38.310120081401207	3772.1730453981677	3780.1345193895	43.638962141935101	20.6775562062617	
53	36313	-336621.1413	824737.3170250766	39.13407715248926	-101.9857445	319123.8024711164	433901.839059197	3910.2258604658354	38.30097588900379	3775.1859929902587	3794.3321046763	44.589699220862	15.40248482705683	
54	36314	-335961.1413	824737.3170250766	39.1341000415073	-101.9834188	321124.9468190862	433897.43660118	3906.20421349526	38.29086427311389	3776.991571257889	3795.406572340232	31.70270185008844	13.2876987366043	
55	36315	-335301.1413	824737.3170250766	39.1341228889461	-101.9810931	323126.0904701462	433893.389891348	3902.82924209485	38.28064616995516	3777.237629208304	3792.196283805332	30.78663374721203	15.4851280219508	
56	36316	-334641.1413	824737.3170250766	39.1341456692089	-101.9787675	325227.340366405	433889.31787202	3900.106294683025	38.2734529630365	3775.71152834394	3785.633143735116	30.7718147923444	20.90952390473183	
57	36317	-333981.1413	824737.3170250766	39.13416841297196	-101.9764947	327326.7773689084	433885.27986804	3897.38354670414	38.2654471925484	3774.5447073373	3781.09678762913	32.45451371875425	25.74747191875425	
58	36318	-333321.1413	824737.3170250766	39.1341911566204	-101.9741161	329378.156592454	433881.1645815	3894.660338938235	38.254032102	3771.85057339825	3776.94807791342	36.625747580405	27.37907407203832	
59	36319	-332661.1413	824737.3170250766	39.1342138269359	-101.9717904	331302.630467205	433877.90207244	3892.346055707518	38.2431695294735	3803.174351629473	3768.070085322079	3772.393133491331	31.8051821381479	
60	36320	-332001.1413	824737.3170250766	39.1342364384897	-101.9694647	333331.8058419127	433873.01604728	3890.440195581481	38.23192595614481	3763.486973863451	3764.797691364427	35.805489921029706	37.1946943780306	
61	36321	-331341.1413	824737.3170250766	39.1342590208653	-101.967139	335324.8492097797	433868.534209762	3888.53419487963	38.2225742321391	3765.25243231391	3765.25243231391	35.755345427	45.427091274155884	
62	36322	-330681.1413	824737.3170250766	39.1342815140621	-101.9648133	337343.09028074486	433864.35868	3886.6284506795	38.21397389135513	3763.571211214304	3744.880744880239	55.931217801120965	45.52899403	
63	36323	-330021.1413	824737.3170250766	39.134304507807965	-101.9624678	339356.2320977342	433860.79489494	3884.39083623697	38.20199261420037	3763.571211214304	3744.880744880239	55.931217801120965	45.52899403	
64	36324	-329361.1413	824737.3170250766	39.13432612970196	-101.9601619	341362.376936816	433856.23986472	3882.38354670414	38.19051526886373	3762.74073235357	3742.01789330459	61.6207031198979	57.13382031541478	
65	36325	-328701.1413	824737.3170250766	39.13434848785671	-101.9578382	343337.5148709131	433852.67902872	3884.031070684576	38.17954294716406	3760.6918789709203	3741.714227416884	64.7357027702031	53.7301975956857	
66	36326	-328041.1413	824737.3170250766	39.1343712270537	-101.9555105	345356.560246896	433848.54792598	3877.37146028152	38.16733165116158	3764.002692974236	3738.991494534426	59.9894318924444	54.57320626715405	
67	36327	-327381.1413	824737.3170250766	39.13439383423508	-101.9531848	347439.7962831985	433840.213026304	3870.41231263044	38.15619791861275	3763.161791861275	3738.991494534426	54.292227	55.54110106660346	
68	36328	-326721.1413	824737.3170250766	39.13441579604646	-101.9508591	349440.9373914853	433840.429	3869.1480497495602	38.1475246403	3762.6806255661765	3733.51730980763	48.21628315846374	57.3798359283778	
69	36329	-326061.1413	824737.3170250766	39.13443801294003	-101.9485334	351452.0777	433836.356513856	3865.8894672306	38.13970197164093	3761.9810976987335	3742.01789330459	57.3798359283778	57.3798359283778	
70	36330	-325401.1413	824737.3170250766	39.13446019491514	-101.9462077	353433.217250583	433832.284104947	3861.61989145307	38.13077343194918	3761.61989145307	3742.01789330459	57.3798359283778	57.3798359283778	
71	36331	-324741.1413	824737.3170250766	39.13448131062968	-101.9439648	355461.4131062968	433828.21871584	3859.41231062968	38.122031062968	3760.6918789709203	3741.714227416884	64.7357027702031	53.7301975956857	
72	36332	-324081.1413	824737.3170250766	39.13450343411083	-101.9415652	357455.4970523391	433824.13981308	3857.405495707	38.113422414733	3760.6918789709203	3741.714227416884	64.7357027702031	53.7301975956857	
73	36333	-323421.1413	824737.3170250766	39.134526431331125	-101.9392305	359466.633401738	433820.06790125	3855.2178553414123	38.10375160220147	3756.156271	3762.248607	64.7357027702031	53.7301975956857	
74	36334	-322761.1413	824737.3170250766	39.13454842364399	-101.9369048	361461.747411346	433815.996224045	3853.20129852453	38.09274715089833	3753.951070970073	3752.283			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevBotKgr.ft	SatThkLogs.ft	SatThkBoth.ft
155	50	36415	-269301.1413	824737.3170250766	39.1361806253597	-101.7485176	262439.2201205684	4334586.769454369	3699.1530138991885	3580.4366631534995	3609.2019225642534	3611.065369646044	0
156	50	36416	-268641.1413	824737.3170250766	39.13619893139796	-101.7481198	262440.3392070135	4335482.172098311	3665.183547	3577.774413636841	3611.015810506169	3611.015810506169	0
157	50	36417	-268181.1413	824737.3170250766	39.13621719833845	-101.7476548	262441.4564916884	4335476.654916884	3671.214086299848	3576.1022333109786	3611.66268934361653	3611.66268934361653	0
158	50	36418	-267621.1413	824737.3170250766	39.1362354135739	-101.7451401	262442.5764575795	4335474.5291032	3677.244152439343	3572.420179171957	3616.15785	3620.119332224637	0
159	50	36419	-266661.1413	824737.3170250766	39.1362538845473	-101.7392143	262443.695084701	4335470.541078499	3684.862933474533	3569.7278107520087	3619.112409249485	3624.2883614501247	0
160	50	36420	-266001.1413	824737.3170250766	39.13627171763946	-101.7368885	262444.8133068414	4335466.484419311	3694.0609383674573	3567.02433823365	3623.339603387348	3629.35357081914	0
161	50	36421	-265341.1413	824737.3170250766	39.136289801893454	-101.7345627	262445.9631215563	4335462.427936837	3703.275124360382	3564.3112809523323	3628.450047083906	3635.607377335705	0
162	50	36422	-264681.1413	824737.3170250766	39.1363074112578	-101.7322268	262447.0489023803	4335458.371629062	3712.4812481533063	3561.589389313266	3634.310093	3642.863657409877	0
163	50	36423	-264021.1413	824737.3170250766	39.1363259556937	-101.729981	262448.166248949	4335454.519698777	3716.754479999848	3558.8597047631104	3638.681087462597	3650.751683842643	0
164	50	36424	-263361.1413	824737.3170250766	39.13634378512506	-101.7275852	262449.2836535156	4335450.25937174	3719.048393071396	3556.11890344691	3640.343559705919	3654.545130811342	0
165	50	36425	-262621.1413	824737.3170250766	39.13636168699225	-101.7252953	262450.4045043316	4335440.203753848	3710.435197435654	3553.307192174747	3632.4184369070435	3647.121284890656	0
166	50	36426	-262041.1413	824737.3170250766	39.136379493475455	-101.7229335	262451.5172921664	4335442.148147478	3707.77556170022	3550.612191656069	3621.6823561005763	3638.566505944414	0
167	50	36427	-261381.1413	824737.3170250766	39.136393735046081	-101.7206077	262452.6330972915	4335438.092710392	3702.660257711076	3547.84461096008	3611.080831650038	3633.90962581196	0
168	50	36428	-260721.1413	824737.3170250766	39.1364151386226	-101.7182819	262453.750089263	4335434.037450646	3695.089302058826	3545.07343943411	3601.547342615922	3637.78167248593	0
169	50	36429	-260061.1413	824737.3170250766	39.13643285874176	-101.715956	262454.866140087	4335429.982365548	3687.51364406763	3542.281851041797	3593.012335934012	3617.488847815295	0
170	50	36430	-259401.1413	824737.3170250766	39.1364505389932	-101.7136302	262455.981958197	4335425.927455091	3679.947390574326	3539.487191621928	3585.3724854818037	3612.14337928927	0
171	50	36431	-258741.1413	824737.3170250766	39.13646817373487	-101.7113043	262456.0975439857	4335421.872719266	3676.304808583915	3536.683499947885	3578.513233315504	3607.280721851173	0
172	50	36432	-258081.1413	824737.3170250766	39.1364857834839	-101.7089785	262457.2128989474	4335417.818150967	3676.847646705343	3533.874159529969	3572.3191894321785	3602.02584832976	0
173	50	36433	-257421.1413	824737.3170250766	39.13650330903985	-101.7066527	262458.328021878	4335413.763714865	3677.3048025567705	3531.059504256595	3566.946088734296	3598.347381867297	0
174	50	36434	-256761.1413	824737.3170250766	39.13652090390225	-101.7043268	262459.426	4335409.709559518	3677.761958408198	3528.240125962935	3561.787385752146	3593.396750431245	0
175	50	36435	-256101.1413	824737.3170250766	39.13653826456444	-101.702001	262460.55757417553	4335405.65522153	3679.57289536822	3525.415630266372	3556.610516427933	3588.350677133284	0
176	50	36436	-255441.1413	824737.3170250766	39.13655567508152	-101.6996752	262461.6720037997	4335401.601693855	3673.76716945841	3522.546466686131	3552.942971422	3583.6476267307	0
177	50	36437	-254781.1413	824737.3170250766	39.13657309259676	-101.697312	262462.7849904496	4335397.852171098	3668.632498792828	3517.44521387828	3547.7428973727	3577.4780901097	0
178	50	36438	-254121.1413	824737.3170250766	39.136590361155055	-101.6950235	262463.904701143835	4335393.4944576165	3669.067057754279	3516.896583757977	3543.795762554517	3572.1224497285634	0
179	50	36439	-253461.1413	824737.3170250766	39.1366076832423	-101.6928796	262464.96130969741	4335389.441118596	3667.679200710822	3514.038916732927	3539.8308467450956	3559.766745363784	0
180	50	36440	-252801.1413	824737.3170250766	39.13662485755951	-101.6903718	262465.7127417907	4335385.387954147	3661.738666988707	3511.172406604579	3535.9293447640143	3556.7734	0
181	50	36441	-252141.1413	824737.3170250766	39.13664205337327	-101.6880459	262466.240962156	4335381.3349642595	3675.798323526658	3508.297237276296	3532.405985325694	3553.758554106093	0
182	50	36442	-251481.1413	824737.3170250766	39.13665919425469	-101.6857201	262467.35374448776	4335377.2821489265	3668.8578963544447	3505.415383220281	3528.552643506066	3547.837810594767	0
183	50	36443	-250821.1413	824737.3170250766	39.13667639178104	-101.683482	262468.4690490483	4335373.226808141	3664.3811888724876	3502.521690672846	3524.9368351874586	3544.86368316217	0
184	50	36444	-250161.1413	824737.3170250766	39.136693341280285	-101.6810874	262469.5781540378	4335369.177041895	3659.389208952145	3499.622380952145	3521.44121311533	3541.546044047036	0
185	50	36445	-249501.1413	824737.3170250766	39.13671035	-101.6787425	262470.6951454447	4335365.125	3654.405223980078	3496.7180902333444	3517.9809245480697	3539.213670464543	0
186	50	36446	-248841.1413	824737.3170250766	39.13672730860055	-101.6764167	262471.8036470394	4335361.076232945	3649.41122410773725	3493.808964262677	3514.452812876836	3534.9312044648134	0
187	50	36447	-248181.1413	824737.3170250766	39.13674242885206	-101.6749008	262472.9155504347	4335357.020609329	3645.9159121553257	3490.895146290969	3514.07525776928	3531.9254138108045	0
188	50	36448	-247521.1413	824737.3170250766	39.1367610264177	-101.671765	262473.960727234239	4335352.989822174	3643.91627222939	3487.9767488454954	3507.744959373679	3527.37008524471	0
189	50	36449	-246861.1413	824737.3170250766	39.1367752257677	-101.6694391	262474.9723720026	4335348.917285235	3645.15692295483	3485.95369221902	3504.142774472885	3523.0798007763085	0
190	50	36450	-246201.1413	824737.3170250766	39.13679470418176	-101.6671132	262475.9819691015	4335344.962872884	3643.946728758161	3482.1267013139638	3500.459805171925	3518.59805112939	0
191	50	36451	-245541.1413	824737.3170250766	39.136811440775894	-101.6647874	262476.9997688818722	4335340.814664707	3641.9324091713914	3479.1959	3496.7972245040227	3513.280914894165	0
192	50	36452	-244881.1413	824737.3170250766	39.136828132441984	-101.6624615	262478.016451857	4335336.763594531	3636.563128	3476.261935781335	3493.04869040852	3507.7626769247	0
193	50	36453	-244221.1413	824737.3170250766	39.13684478	-101.6601357	262479.5821801914	4335332.71698824	3634.9838462890877	3473.3248990314955	3489.238966825944	3505.058176610865	0
194	50	36454	-243561.1413	824737.3170250766	39.1368613100593	-101.6578098	262480.69248979306	4335328.661977591	3633.4245648479355	3470.3848794760797	3485.50961891839	3500.637041378775	0
195	50	36455	-242901.1413	824737.3170250766	39.13687793903755	-101.6554839	262481.8025149671	4335324.611490818	3632.3871157726796	3467.441772739901	3481.6207995457667	3496.120972	0
196	50	36456	-242241.1413	824737.3170250766	39.13689448987878	-101.6531187	262482.914264073	4335320.361058496	3631.8814990741193	3464.4046419	3477.905146800315	3490.122968717	0
197	50	36457	-241581.1413	824737.3170250766	39.136911991691015	-101.6508428	262483.92967272884	4335316.932875897	3630.49238237596	3462.4932837596	3475.835232090905	3488.352096905	0
198	50	36458	-240921.1413	824737.3170250766	39.13692733906034	-101.6485054	262484.91656656	4335312.460837197	3630.8724091713914	3479.1959	3470.033961493175	3480.554833368695	0
199	50	36459	-240261.1413	824737.3170250766	39.136943716266785	-101.6461805	262485.9304322297	4335308.410988198	3626.9187746861803	3455.650985119334	3466.0624491230146	3475.3743065871002	0
200	50	36460	-239601.1413	824737.3170250766	39.13696005	-101.6438546	262486.94562206	4335304.361313626	3619.5214094211065	3452.7011263284285	3462.131398005194	3470.81948237203	0
201	50	36461	-238941.1413	824737.3170250766	39.136976335910866	-101.6415288	262487.9583062217	4335300.311813472	3612.1240415603382	3449.33036903815	3458.2192401408124	3466.355410986353	0
202	50	36462	-238281.1413	824737.3170250766	39.13699258	-101.6392029	262489.1689046204	4335296.262485717	3610.4766789890563	3446.80360705118	3454.3715011800314	3462.008357751638	0
203	50	36463	-237621.1413	824737.3170250766	39.137009675871084	-101.6369677	262490.2771773097	4335292.213334381	3609.5840018714658	3443.851217102686	3450.69941891151	3457.708652015136	0
204	50	36464	-236961.1413	824737.3170250766	39.1370294546251	-101.6345511	262491.2832520489	4335288.16257439	3600.41601310653	3440.906592731866	3446.952336418393	3453.5471871872	0
205	50	36465	-236301.1413	824737.3170250766	39.13704103613091	-101.6322253	262492.8910485502	4335284.115554886	3600.0080243380074	3437.96716211464	3443		

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevKgr.ft	BRrElevBothKgr.ft	SurfThick.ft	SurfThBoth.ft	
281	35641	-186141.1413	824737.3170250766	39.13813377181868	-101.4554561	287778.43047260413	43349.7619270198	367.0868697608903	3322.5532986891953	3195.816044647488	3252.64500699928	36.73735422444659	0	
282	35642	-184841.1413	824737.3170250766	39.13814642025257	-101.4531302	287979.5731945846	43349.7619270198	362.306187635778	3230.5183929140953	3189.510989767537	3251.89089668344	30.40740731458194	0	
283	35643	-184821.1413	824737.3170250766	39.13815922896972	-101.4508463	288106.6299733612	43349.7619270198	329.847671700368	3228.538092891327	3186.388092891327	3186.388092891327	45.85589735593595	0	
284	35644	-184841.1413	824737.3170250766	39.13817158256206	-101.4487483	288381.7157964387	43349.7619270198	335.5456381589	3226.5726494139	3175.8526676727	3200.80761567001	41.50748717	18.76559986303765	
285	35645	-183501.1413	824737.3170250766	39.13818406629389	-101.4461524	288582.806	43349.7619270198	337.0175722721	3236.04510538205	3176.0278985013	3168.1051855475284	3174.537072597472	66.56510403748646	50.13321303927091
286	35646	-182841.1413	824737.3170250766	39.13819656509584	-101.4438264	288783.896591611	43349.7619270198	341.067152276517	3222.820870126655	3160.819723476438	3154.452990951426	75.2755103123718	75.2755103123718	
287	35647	-182181.1413	824737.3170250766	39.13820889889002	-101.4415005	288984.9866431826	43349.7619270198	343.9527064804	3321.0129296746251	3155.5489357108864	3137.196277709733	65.4803925336463	83.83301304974771	
288	35648	-181521.1413	824737.3170250766	39.13822136794126	-101.4391745	289186.070692511	43349.7619270198	343.81122588348	3219.301727530355	3152.027024342094	3133.2589404814357	64.27470318826136	86.04278704891976	
289	35649	-180861.1413	824737.3170250766	39.13823370197103	-101.4368486	289387.1662765311	43349.7619270198	343.81122588348	3219.301727530355	3152.027024342094	3133.2589404814357	64.27470318826136	86.04278704891976	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHBothKrg.ft
400	50	36667	-102981.1413	82473.7172025076	39.13937389090142	-101.1623819	113141.34504450846	4334469.82264882	3202.755182613485	3126.687460177884	3097.73156077551	3096.5727820103307	28.9452501003341
408	50	36668	-102221.1413	82473.7172025076	39.1393067867446	-101.1600439	113315.41144245095	4334465.80939307	3281.695346022966	3125.1534784155918	3101.47391433873	3101.47391433873	24.0165729
409	50	36669	-97701.1413	82473.7172025076	39.1393878152003	-101.1457799	113167.43678520634	4334461.785710235	3181.78194542345	3123.53478498818	3102.45289472282	3102.45289472282	21.1518262165586
410	50	36670	-101001.1413	82473.7172025076	39.139345194301	-101.1554038	113177.543689825	4334457.75200044	3260.650326819398	3122.136687159438	3109.47509703638	3099.86324064433	22.72700728060443
411	50	36671	-100341.1413	82473.7172025076	39.13940137	-101.1530778	113189.61667579834	4334453.76943813	3278.822192042478	3120.658730285013	3096.036663523795	3097.77071313278	25.6220667963398
412	50	36672	-99681.1413	82473.7172025076	39.1394180491394	-101.1507518	114119.69523014713	4334449.756599052	3273.8909122044074	3119.200542	3090.540508	3091.534084113204	28.6960341180795
413	50	36673	-99221.1413	82473.7172025076	39.13941494362673	-101.1484258	114320.7407	4334445.74	3277.779520525676	3117.795765240517	3086.2279364967017	3086.2279364967017	25.6220667963398
414	50	36674	-98361.1413	82473.7172025076	39.139421661834504	-101.1460997	114321.80599073737	4334441.73138995	3276.781298012713	3116.333106	3082.439293233965	3084.81270195846	31.52031623004334
415	50	36675	-97701.1413	82473.7172025076	39.13942635511467	-101.1457799	114322.8711103162	4334439.7068139847	3275.857068139847	3114.819646871534	3079.01786332712	3082.358789675556	35.18786853402219
416	50	36676	-97041.1413	82473.7172025076	39.13943439	-101.1414477	114323.936148431	4334433.706869507	3272.166112509225	3113.516915045816	3075.844311009206	3077.980374125545	32.7951051097426
417	50	36677	-96381.1413	82473.7172025076	39.13944154685543	-101.1391217	115125.0000590444	4334429.68467875	3269.475178879504	3112.12038534050	3073.063429732906	3079.359337489613	45.9885880125451
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422	50	36682	-93091.1413	82473.7172025076	39.13947370010535	-101.1287739	116122.873895163	4334409.54358567	3256.307190668718	3105.1800349985124	3061.808995577693	3074.1742385887846	29.00579640972736
423	50	36683	-92421.1413	82473.7172025076	39.1394801036431	-101.1251655	116331.385624839	4334405.62649411	3253.744006115087	3103.7794476305876	3059.684620875551	3074.457194866665	27.68797176392263
424	50	36684	-91761.1413	82473.7172025076	39.13948637295554	-101.1228395	116532.4941354225	4334401.6157103115	3251.240397514594	3102.371622490476	3057.555789898404	3075.858260909125	44.0084267503667
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427	50	36687	-89781.1413	82473.7172025076	39.13950491012297	-101.1158614	117135.6386	4334389.58436633	3244.055192552533	3098.10751104839	3051.451325910925	3074.46413	46.655618513746504
428	50	36688	-89121.1413	82473.7172025076	39.13951099543317	-101.1135354	117376.3014045324	4334385.54266142	3242.188975520493	3096.696414096215	3050.081561463794	3072.2266621445073	45.7778916474259
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437	50	36697	-83181.1413	82473.7172025076	39.1395679057561	-101.092611	119146.2582279204	4334349.49113454	3230.265552951036	3083.37852697432	3055.710382406465	3059.36351629637	42.5747020094637
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443	50	36703	-79221.1413	82473.7172025076	39.1395969631058	-101.078648	120325.8215249611	4334325.434881181	3212.718422861833	3073.667390734227	3044.10455306834	3043.3170855867	40.9798649858534
444	50	36704	-78561.1413	82473.7172025076	39.13960231665405	-101.0763188	120553.681456748	4334321.36143015	3208.7857911683013	3072.0116285773374	3044.251832794036	3044.2090217833697	42.775979527733818
445	50	36705	-77901.1413	82473.7172025076	39.139607642132726	-101.0739828	120754.7412132425	4334317.428977405	3206.849740050435	3070.342822192376	3043.16807631395	3043.16807631395	42.775979527733818
446	50	36706	-77241.1413	82473.7172025076	39.13961292651224	-101.0716668	120955.800793942	4334313.41284346	3203.913689352364	3068.633225839784	3042.13222236537	3042.13222236537	42.775979527733818
447	50	36707	-76581.1413	82473.7172025076	39.13961815824222	-101.0693407	121166.860196385	4334309.815163831	3203.906982931262	3067.90769944634	3041.0130901814564	3041.03881069339	42.775979527733818
448	50	36708	-75921.1413	82473.7172025076	39.13962334890525	-101.0670174	121357.91942947047	4334305.40851548	3203.846024209434	3067.8244922548	3040.3364997221142	3040.3364997221142	42.775979527733818
449	50	36709	-75261.1413	82473.7172025076	39.13962859426265	-101.064619	121548.1367896104	4334301.3688971034	3203.785914568697	3067.74448448135	3040.2584205001	3040.2584205001	42.775979527733818
450	50	36710	-74601.1413	82473.7172025076	39.13963395944738	-101.0623628	121760.0734945067	4334297.395737454	3198.686327104947	3061.5708492771476	3039.63223487727	3039.63223487727	42.775979527733818
451	50	36711	-73941.1413	82473.7172025076	39.139638631326464	-101.0600366	121961.960706995	4334293.389601726	3197.8457747266	3059.7351952668246	3038.29847043477	3038.29847043477	42.775979527733818
452	50	36712	-73281.1413	82473.7172025076	39.1396436627754	-101.0577105	122162.154602067	4334289.33691071	3195.912678575936	3057.8666926512561	3037.35668538843	3037.35668538843	42.775979527733818
453	50	36713	-72621.1413	82473.7172025076	39.13964862830959	-101.0553845	122363.2129592406	4334285.73681664	3194.411379039697	3055.965383555524	3035.95842537395	3035.95842537395	42.775979527733818
454	50	36714	-71961.1413	82473.7172025076	39.13965349339565	-101.0530584	122564.271142424	4334281.37256271	3192.930073231714	3054.031647047104	3037.23042324027	3037.23042324027	42.775979527733818
455	50	36715	-71301.1413	82473.7172025076	39.1396589426265	-101.050724	122765.2581571814	4334277.3668170					

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatThKrgs.ft	SatThBoth.ft
533	36793	-19821.14133	824737.3170250766	39.13990034271062	-100.86993006	338447.3354999259	4333965.473182276	3053.78959653173	2373.247488746131	2853.59438	2853.715332828496	79.53271599176301
534	36794	-19811.14133	824737.3170250766	39.139901669541146	-100.86997245	338648.380427092	4333951.481341659	3050.643144	2932.31707098138	2851.3944366355954	2851.502628940303	80.91867021852293
535	36795	-19801.14133	824737.3170250766	39.139902859114319	-100.86994622	338849.4221986074	4333937.498672963	3051.274528782943	2845.757911248361	2845.629158909222	2845.6168123929222	85.7453671372143
536	36796	-17841.14133	824737.3170250766	39.13990418841672	-100.862224	339054.69848112548	4333953.498175875	3043.6297545215624	2930.437377624326	2837.979592565714	2836.796483141813	93.6320269
537	36797	-17181.14133	824737.3170250766	39.13990538046179	-100.8599964	339251.5142674242	4333949.5806503	3040.018164900616	2924.4747396571106	2829.893913499113	2829.030361126577	99.58334271129927
538	36798	-16521.14133	824737.3170250766	39.1399062757832	-100.8576703	339452.558668017	4333945.515697301	3036.373832895663	2928.5164914047533	2829.38389503645	2828.5525062924076	99.131010438859
539	36799	-15861.14133	824737.3170250766	39.13990762976638	-100.8553443	339653.602709588	4333941.525	3033.744130411078	2927.5518429666258	2831.10371484993	2830.49664262652	97.0581032
540	36800	-15021.14133	824737.3170250766	39.1399086702589	-100.8530182	339854.6466959616	4333937.53305869	3032.11270474916	2926.583727394634	2832.638312304997	2832.128595966604	93.9451961413481
541	36801	-14541.14133	824737.3170250766	39.13990969559685	-100.8506261	340055.6906252025	4333933.54267809	3030.071691244597	2925.815162445607	2833.57918977734	2833.0469750326	92.939837
542	36802	-13891.14133	824737.3170250766	39.13991056759405	-100.8483661	340256.742004425	4333929.53	3027.848454225094	2924.534007757283	2834.511312162594	2834.205406361964	90.12348951
543	36803	-13221.14133	824737.3170250766	39.1399115892339	-100.84604	340457.771789088	4333925.65206963	3026.0638049725026	2923.652374554086	2837.496999112626	2837.76153011424	85.8908154
544	36804	-12561.14133	824737.3170250766	39.13991246677886	-100.843714	340658.821081112	4333921.57234156	3022.121531719289	2922.663138793233	2834.1737803129404	2844.655126894146	79.48935836638293
545	36805	-11901.14133	824737.3170250766	39.1399132993922	-100.8413879	340859.8643892849	4333917.582431102	3018.182502465579	2921.66575891139	2834.226462740309	2835.04248949101	86.5917311508837
546	36806	-11241.14133	824737.3170250766	39.13991400708462	-100.8390619	341060.9047141609	4333913.59261758	3014.2418951212662	2920.657839281245	2824.7817899096183	2824.9530612590345	95.70437474787023
547	36807	-10591.14133	824737.3170250766	39.13991482984545	-100.836358	341261.950330581	4333909.60341434	3012.651674211682	2919.6378267621716	2818.471384233567	2817.411550891297	101.4633833875186
548	36808	-9911.141327	824737.3170250766	39.13991552767588	-100.8344098	341462.9930171	4333905.61380215	3011.4119714835746	2918.6303727179924	2816.99728058671	2816.6958837232177	101.90903213221265
549	36809	-9261.141327	824737.3170250766	39.139916180578744	-100.8320387	341664.035668829	4333901.634440015	3010.172768570008	2917.5525977691427	2820.3246786819127	2820.4063307954266	97.12277090722901
550	36810	-8601.141327	824737.3170250766	39.13991678855306	-100.8297576	341865.0713036875	4333897.63251478	3014.932566775005	2916.483448465553	2825.05319379539	2825.4225026242605	91.4311711122961
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553	36813	-6621.141327	824737.3170250766	39.13991834290487	-100.8227795	342468.2048104276	4333885.69039983	3014.717967245591	2913.11874895291	2830.998677024635	2830.9684125809345	82.7750042708021
554	36814	-5961.141327	824737.3170250766	39.1399187116508	-100.8204534	342683.2642945916	4333881.68095145	2998.724682745896	2912.1068548516914	2825.24674020035	2825.315130435983	86.7868033165222
555	36815	-5301.141327	824737.3170250766	39.13991920431277	-100.8180471	342970.267545165	4333878.76633434	2992.90595181486	2905.9047633275181	2800.198330735181	2800.201635457874	95.6044092
556	36816	-4641.141327	824737.3170250766	39.1399194829592	-100.8158013	343071.3247667396	4333873.703041417	2990.220837703357	2909.736181539773	2819.915134065482	2819.733565511773	89.0210613
557	36817	-3981.141327	824737.3170250766	39.13991976374556	-100.8134752	343272.7083763796	4333869.761410508	2998.36936528112	2908.567179072993	2819.2529357663707	2819.1799235658174	89.3223614920286
558	36818	-3321.141327	824737.3170250766	39.13992003492065	-100.811492	343473.0142024219	4333865.728691223	2997.012512959286	2907.4216769310365	2821.316651339961	2821.639337238733	86.0960259107543
559	36819	-2661.141327	824737.3170250766	39.139920238538224	-100.8088231	343674.45309613744	4333861.741143557	2996.6549724331167	2906.2457496071386	2827.5948256301028	2828.7963219102863	85.7712697752096
560	36820	-2001.141327	824737.3170250766	39.13992039727722	-100.8064917	343875.493977594	4333857.73767495	2998.777512135498	2905.0833024099667	2824.8310352023367	2824.801937373739	87.27296046759946
561	36821	-1341.141327	824737.3170250766	39.13992058198677	-100.8041773	344263.5347472905	4333853.766833434	2998.071691244597	2904.26879797353	2825.57616486205	2825.57616486205	78.15641192713983
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563	36823	-1141.32693	824737.3170250766	39.1399206372314	-100.7995189	344878.6157960999	4333845.72668881	2990.995751695706	2901.6090985863825	2814.8187798882186	2815.2775687462024	86.7903187
564	36824	638.8586730733514	824737.3170250766	39.13992058269801	-100.7971929	344679.650583483	4333841.805979165	2977.813532511586	2900.458919	2813.846425609911	2814.550046149005	86.1429372
565	36825	1298.8586730733514	824737.3170250766	39.13992057164339	-100.7946868	344880.668259487	4333837.819461022	2974.63312674609	2899.313266	2817.758074792106	2816.1261649247746	87.5551910705519
566	36826	1988.8586730733514	824737.3170250766	39.1399204086221	-100.7925407	345091.73622073635	4333833.81134432	2971.453093	2898.1725452563208	2808.31871611752758	2809.0525218149673	88.6573308
567	36827	2618.8586730733514	824737.3170250766	39.13992025005161	-100.7902747	345282.77062621414	4333829.84683591	2967.186957436924	2897.038452504274	2804.0181394117084	2807.569765324716	89.07170843895976
568	36828	3278.8586730733514	824737.3170250766	39.1399200431277	-100.7878694	345476.879645165	4333825.90263861	2965.9047633275181	2895.9047633275181	2800.198330735181	2800.201635457874	95.6044092
569	36829	3928.8586730733514	824737.3170250766	39.13991983044466	-100.7856246	345684.855297941	4333821.85109323	2958.141020535129	2894.780702277885	2807.8020015449474	2807.569765324716	96.9378982810949
570	36830	4598.858673073351	824737.3170250766	39.13991951304821	-100.7832365	345885.8946827034	4333817.899434545	2953.42565547804	2893.65943347544	2979.08545752947	2979.05414389512	96.6509737
571	36831	5258.858673073351	824737.3170250766	39.13991917752337	-100.7809105	346086.9382256764	4333813.903819768	2951.007297904166	2892.540500891964	2979.5733662145335	2979.014069338114	94.9686837466293
572	36832	5918.858673073351	824737.3170250766	39.13991879707002	-100.7785844	346287.931258973	4333809.918337126	2950.80457390863	2891.42790367436	2978.61954268452	2978.38061884615	92.8084263691389
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574	36834	7238.858673073351	824737.3170250766	39.13991790137773	-100.7739232	346690.5047435655	4333801.548516767	2950.395733317056	2889.206817018915	2893.57305305677	2893.033271552107	86.4729470250416
575	36835	7898.858673073351	824737.3170250766	39.13991743051277	-100.7716089	346902.574796451	4333797.436721722	2949.921963490685	2888.2973196301772	2892.691963490685	2892.691963490685	89.8650119005734
576	36836	8558.858673073351	824737.3170250766	39.13991682597137	-100.7692822	347102.1278734764	4333793.97082328	2947.7222655011	2886.96415820236	2881.340005716098	2881.340005716098	75.938327089397
577	36837	9218.858673073351	824737.3170250766	39.1399162208733	-100.7669541	347293.1622226623	4333789.995	2938.43816200274	2885.879384655663	2815.0839845136175	2814.939644258643	70.79540045194881
578	36838	9878.858673073351	824737.3170250766	39.13991570850796	-100.7646281	347494.2044174903	4333786.10333745	2935.094974461373	2884.762651917185	2817.72248443519	2817.800494963219	66.9657672
579	36839	10538.858673073351	824737.3170250766	39.139915487897745	-100.762302	347695.2464343396	4333782.06216626	2932.305370676115	2883.648172	2817.4507064007917	2817.4507064007917	69.16746591
580	36840	11198.858673073351	824737.3170250766	39.13991413601619	-100.759976	347896.2802985485	4333778.42720849	2931.12504086112	2882.5321554787442	2812.838439481217	2813.0343100281404	69.4800519769986
581	36841	11858.858673073351	824737.3170250766	39.13991335120609	-100.7576499	348097.318128354	4333774.35849698	2929.92702466468	2881.2884978330742	2804.648998383328	2804.648998383328	76.706281795518
582	36842	12518.85867										

Id	Year	X.R	Y.R	Latitude	Longitude	UTM.X	UTM.Y	SurElev.R	WLR	BRelevLogsk.R	BRelevOrth.R	SaC2Log.R	SurElevB.R	
59	39	63923	83586730335	824737.3170250766	9.13971371149803	0.007562179	93377.8226995057	4333463.85156838	2844.389048693176	2733.3191037273	2726.80758695457	2736.0048127119812	26.3422965172581	17.24828690571562
60	50	36920	6398586730335	824737.3170250766	9.13970937374631	0.005738919	93678.8057401572	4334548.81309943	2843.9399249458	2751.9228653102	2710.373778945314	2734.906729	32.58487546570824	17.1613629252836
61	50	36921	64658586730335	824737.3170250766	9.139705	-0.005176568	94179.8769417167	4335191.1222083	2843.9004992148	2750.549881152207	2711.5126717400835	2732.99543535892	32.03702941132267	17.960685716314856
62	50	36922	651318586730335	824737.3170250766	9.13970574252871	-0.00569239	94340.903386305	4335451.94130495	2843.940165059277	2749.184778077373	2710.371780600474	2730.0737511763006	44.83294174689744	19.2099699137671
63	50	36923	65978586730335	824737.3170250766	9.13969610522581	-0.00669337	94683.9269899023	4335447.971585836	2843.957325129172	2749.184780140622	2709.263133360657	2711.9826373407	36.80115497469658	35.8808163321561
64	50	36924	6678586730335	824737.3170250766	9.13969610522581	-0.00669337	94683.9269899023	4335447.971585836	2843.957325129172	2749.184780140622	2709.263133360657	2711.9826373407	36.80115497469658	35.8808163321561
65	50	36925	67298586730335	824737.3170250766	9.13969610522581	-0.00669337	94683.9269899023	4335447.971585836	2843.957325129172	2749.184780140622	2709.263133360657	2711.9826373407	36.80115497469658	35.8808163321561
66	50	36926	67958586730335	824737.3170250766	9.13968243	-0.0059356	95035.86107844316	4335436.06334504	2843.126101001743	2743.92506724505	2681.463815374495	2703.971313100948	42.96209135300994	39.7498371755274
67	50	36927	68618586730335	824737.3170250766	9.13967780729758	-0.0055606	95368.0363717702	4335432.04979869	2842.0768667239	2742.636873368333	2678.691434144843	2700.28624972996	63.947752921540086	42.37030843836364
68	50	36928	69278586730335	824737.3170250766	9.139673086721	-0.00552835	95526.0582988356	433428.125386908	2841.04506379713	2742.30856379713	2677.589613806056	2697.14654208177	63.97124565191525	41.471578925564
69	50	36929	69988586730335	824737.3170250766	9.13966834216516	-0.0052675	95788.0848160825	433424.15666411	2817.815147041183	2740.07568917208	2674.474280880816	2695.02721034049	62.1627483182696	45.0603657225948
70	50	36930	70598586730335	824737.3170250766	9.139663436836	-0.0050314	95848.1102134573	433418.88112968	2842.387287221728	2738.81840413005	2676.26381311595	2692.74685242711046	60.55002297111046	40.0715486956958
71	50	36931	71298586730335	824737.3170250766	9.1396593613457	-0.0048594	95936.1606195238	433412.25161515	2813.280250253673	2736.2854536966	2680.42512	2687.4021263972	56.8904361356635	48.8624302339453
72	50	36932	72578586730335	824737.3170250766	9.13964948153586	-0.0045373	96182.187261876	433408.28347916	2806.685970160395	2735.07992848186	2681.0116211027616	2684.784554589123	54.0063713453539	50.639571590629
73	50	36933	73278586730335	824737.3170250766	9.13964398170604	-0.00451327	96373.210608789	433404.315610805	2808.01529711	2737.74580317013	2680.505969281845	2682.94142728036	53.214874883394	51.323330268784
74	50	36934	7398586730335	824737.3170250766	9.13963987769763	-0.0043013	96694.2336071176	433401.39472309	2809.49310291137	2732.472204722018	2678.982614	2679.93109914286	53.51008897201925	52.02742892293352
75	50	36935	7458586730335	824737.3170250766	9.1396332069704	-0.0043672	96719.5259629725	433396.3840592925	2801.72483569379	2731.90484818483	2676.34045653428	2676.542890211194	54.848601595058254	54.6478361
76	50	36936	7518586730335	824737.3170250766	9.1396273699114	-0.0043262	96739.562474653	433392.584817105	2800.123498216817	2729.8243965674	2675.4243965674	2675.4243965674	55.68773458871604	55.68773458871604
77	50	36937	7578586730335	824737.3170250766	9.1396213697911	-0.0042833	96763.50884366	433388.584504931	2799.04354840349	2728.739370718123	2674.937073718123	2674.937073718123	56.769368	56.769368
78	50	36938	7638586730335	824737.3170250766	9.1396184212674	-0.0042671	96777.313803195625	433384.47	2805.174531092137	2727.20665829438	2675.214259650786	2674.816751451444	55.0838933230638	55.0838933230638
79	50	36939	7718586730335	824737.3170250766	9.13961329410565	-0.00423711	96799.35719248815	433380.51197876	2796.0363757586	2725.9001052431	2675.356917	2675.0644659058	55.038931524062	55.038931524062
80	50	36940	77858586730335	824737.3170250766	9.1396078177338	-0.0042045	96820.3817154597	433376.545303657	2786.08022799774	2724.67129	2674.46631533626	2672.474317214815	55.2048337438403	55.2048337438403
81	50	36941	7818586730335	824737.3170250766	9.1396026	-0.004179	96840.1405310836	433372.579	2776.56004901627	2723.125902509823	2672.961791125217	2672.824577778161	55.3023485550045	55.3023485550045
82	50	36942	7918586730335	824737.3170250766	9.13959729170325	-0.0041593	96860.0425859466	433368.612465281	2772.91592895902	2722.012926125098	2671.13890036017	2671.13890036017	55.474255295125	55.474255295125
83	50	36943	7968586730335	824737.3170250766	9.13959241981874	-0.0041404	96872.1638718754	433364.1987818	2772.761984	2721.0365786816	2670.9116211027616	2670.9116211027616	55.617455295125	55.617455295125
84	50	36944	80498586730335	824737.3170250766	9.1395864219342	-0.0041157	96890.4758353658	433360.68308986	2772.381984	2720.07568917208	2670.9116211027616	2670.9116211027616	55.7455295125	55.7455295125
85	50	36945	81158586730335	824737.3170250766	9.13958091891164	-0.0041148	96905.4914181614	433358.174486624	2772.01382349677	2717.905628422057	2667.86776930524	2666.17498844064	55.1248849142528	55.1248849142528
86	50	36946	81818586730335	824737.3170250766	9.13957537242266	-0.0041108	96925.5422046033	433352.74884367	2771.3234939677	2716.646535905757	2663.482318305895	2663.749861	55.18216614621	55.18216614621
87	50	36947	82478586730335	824737.3170250766	9.13956978012693	-0.0040826	96947.545501833	433348.78335406	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
88	50	36948	8318586730335	824737.3170250766	9.13956414	-0.0040638	96968.5684717028	433348.81840528	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
89	50	36949	83798586730335	824737.3170250766	9.13955841070007	-0.0040439	96984.8520250913	433340.8520250913	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
90	50	36950	84398586730335	824737.3170250766	9.1395524133159	-0.0040240	96999.9999999999	433332.9999999999	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
91	50	36951	84898586730335	824737.3170250766	9.1395469824814	-0.0040041	97015.136627313272	433332.9999999999	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
92	50	36952	85398586730335	824737.3170250766	9.13954115708826	-0.0039842	97031.32616509601	433328.94054134	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
93	50	36953	85898586730335	824737.3170250766	9.13953573747375	-0.0039643	97047.103765805	433324.9999999999	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
94	50	36954	86398586730335	824737.3170250766	9.1395293458163	-0.0039444	97063.1215724142	433321.066	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
95	50	36955	86898586730335	824737.3170250766	9.1395229170325	-0.0039245	97079.1513781519	433317.119	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
96	50	36956	87398586730335	824737.3170250766	9.13951676657314	-0.0039046	97095.1879657314	433313.139	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
97	50	36957	87898586730335	824737.3170250766	9.13951037157319	-0.0038847	97111.216625103	433309.166	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
98	50	36958	88398586730335	824737.3170250766	9.13950391030395	-0.0038648	97127.2418278615	433305.199	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
99	50	36959	88898586730335	824737.3170250766	9.1394971077338	-0.0038449	97143.271037313272	433301.222	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
100	50	36960	89398586730335	824737.3170250766	9.13949129103395	-0.0038250	97159.30216509601	433297.246	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
101	50	36961	89898586730335	824737.3170250766	9.1394849347385	-0.0038051	97175.332616509601	433293.270	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
102	50	36962	90398586730335	824737.3170250766	9.1394781954648	-0.0037852	97191.36627313272	433289.300	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
103	50	36963	90898586730335	824737.3170250766	9.139472103395	-0.0037653	97207.3913781519	433285.339	2760.49650529687	2715.2982335172	2659.62830906967	2659.63142925151	55.669604358143146	55.669604358143146
104	50	36964	91398586730335	824737.3170250766	9.13946581070007	-0.0037454	97223.418278							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SurfKgr.f	SatHBoth.f
45	51	37045	-341901.1413	825397.3170250766	39.1357049188919	-102.0043798	240318.72339065035	4336135.428019597	3928.1490898217143	3871.42527644417806	3786.473542655103	3799.021429795806	30.95173378667778	18.40394866220067
46	51	37046	-341241.1413	825397.3170250766	39.13572815247845	-102.002041	240519.86957128233	4336131.351	3930.942213124261	3816.34043259121	3781.315663639248	3789.6899696251294	35.0247779529698	17.65044963491555
47	51	37047	-340681.1413	825397.3170250766	39.13576136	-101.9997348	240721.0190628637	4336127.274	3930.6612948523676	3785.1520365138764	3785.3004818899246	39.107078138999246	19.961658309448326	18.40394866220067
48	51	37048	-339921.1413	825397.3170250766	39.13577451890191	-101.9974026	240902.160653274	4336123.197931924	3928.30605925022	3814.1901584575576	3780.1627787557944	3789.449585512845	37.72077919781206	24.09449941026
49	51	37049	-339261.1413	825397.3170250766	39.13577963743598	-101.9950769	241123.3057345734	4336119.12587375	3925.9509152214705	3813.1227770114738	3765.507551616092	3779.078509	47.61522539538191	34.0426823343368
50	51	37050	-338601.1413	825397.3170250766	39.1358207055155	-101.9927511	241324.500768826	4336110.514841887	3923.5591721192505	3812.058528717698	3761.56564280402	3768.67166645873	40.5642582296046	33.0682258915244
51	51	37051	-337941.1413	825397.3170250766	39.13584373164857	-101.9904254	241525.59542380186	4336110.969425252	3910.9565382033774	3810.9565382033774	3810.9565382033774	3774.9313623735907	47.19083638237026	36.0816925831645
52	51	37052	-337281.1413	825397.3170250766	39.135866712727044	-101.9880997	241726.7399642788	4336106.39067266	3916.2164262364046	3809.93216248511	3767.3306712601575	3785.723089363607	44.4413883538	24.20902721246041
53	51	37053	-336621.1413	825397.3170250766	39.13589694898987	-101.9857738	241927.884	4336102.71867518	3919.281644262892	3808.954549842865	3765.567161164077	3785.45161164077	14.1203823020964	19.961658309448326
54	51	37054	-335961.1413	825397.3170250766	39.135912540128025	-101.9834482	242129.077651313	4336098.74249045	3907.94663224786	3807.73230300694	3772.121343947705	3787.653436804813	37.6519153052323	10.13491662022368
55	51	37055	-335301.1413	825397.3170250766	39.13593536540484	-101.9811224	242330.1716556396	4336104.968720718	3904.23376993438	3806.721674216423	3772.779972872318	3784.623227	33.63219454932432	12.0889012207239
56	51	37056	-334641.1413	825397.3170250766	39.13595816785418	-101.9787967	242531.315068076	4336090.52093952	3900.9420511252824	3805.618905	3772.204234040892	3788.862583	33.14157155762828	16.756221518070106
57	51	37057	-333981.1413	825397.3170250766	39.13598044339096	-101.9764709	242732.4582032866	4336086.517	3905.602630227004	3804.5085710583726	3771.281077047363	3785.6333950169	32.22750035400941	20.8542311
58	51	37058	-333321.1413	825397.3170250766	39.1360036595018	-101.9741452	242933.601173144054	4336082.42439037	3894.35605516872	3803.3765051837354	3770.031490126893	3779.87126701878	33.74501505682435	23.55923816493513
59	51	37059	-332661.1413	825397.3170250766	39.1360262255257	-101.9718194	243174.7437939152	4336078.36702111	3891.330331	3802.21805740883	3768.46834230419	3773.72321158943	35.3490752564025	28.5178248974004
60	51	37060	-332001.1413	825397.3170250766	39.1360489422063	-101.9694837	243335.8861873674	4336074.29338462	3888.55674546291	3799.811477988579	3764.105747368282	3764.105747368282	41.2164015577113	36.9227517800909
61	51	37061	-331341.1413	825397.3170250766	39.13607152108994	-101.9671769	243537.0283055134	4336070.219159238	3885.80141	3799.8030458336093	3750.92113608167	3752.3899342365	48.88190975	47.14105189124526
62	51	37062	-330681.1413	825397.3170250766	39.13609450298021	-101.9648422	243738.1707194882	4336065.15009125	3883.60345551815	3788.538287984965	3740.199457503542	3742.07773	58.38330448122974	56.4605578569547
63	51	37063	-330021.1413	825397.3170250766	39.1361163995147	-101.9625164	243939.318543866	4336062.071205004	3883.04756880163	3797.23097700037	3760.337035201114	3750.728821807405	66.59727168062454	46.05215820031476
64	51	37064	-329361.1413	825397.3170250766	39.13613886203615	-101.9601907	244140.453234468	4336057.49914861	3883.850733017137	3796.97305506327	3726.29177058938	3760.680915992465	59.687291303268	35.19834391103268
65	51	37065	-328701.1413	825397.3170250766	39.13616137913624	-101.9578469	244341.954626377	4336053.9590687	3888.621477693664	3794.481476679962	3727.685132866935	3749.92271492986	66.7963438130265	44.889285806700578
66	51	37066	-328041.1413	825397.3170250766	39.13618373155045	-101.9555391	244542.7352367624	4336049.85006047	3891.404543359513	3793.038396385787	3781.8296351330687	3780.9805884470958	67.2067362571014	51.0578115411694
67	51	37067	-327381.1413	825397.3170250766	39.13620619910861	-101.9532858	244759.61746717688	4336045.242008761	3891.8786779490237	3791.04162746787	3780.14885582653	3780.14885582653	70.7521218370552	43.78413185518791
68	51	37068	-326721.1413	825397.3170250766	39.136228011020424	-101.950876	244945.016225424	4336041.70408822	3895.6551823307	3790.02138918379	3742.58940811734	3742.5894077301145	47.43419811	56.08216161696464
69	51	37069	-326061.1413	825397.3170250766	39.136250518476466	-101.9485619	245146.15630457592	4336037.9865167212	3900.7479855880097	3788.45670965913	3748.265781133921	3743.530395171636	40.930498519222	54.55279812
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71	51	37071	-324741.1413	825397.3170250766	39.136298481863049	-101.9439103	245548.348126681	4336029.468437566	3900.74045929714	3785.2238564889821	3758.3873769410275	3758.3873769410275	48.85451975	48.85451975
72	51	37072	-324081.1413	825397.3170250766	39.13631690132839	-101.9418486	245749.571704177	4336025.414131575	3908.39086932179	3783.562949210584	3761.196206116586	3762.8734704782622	22.366743604472504	50.6890839819571
73	51	37073	-323421.1413	825397.3170250766	39.136338939910861	-101.9392588	245959.74176717688	4336021.342008761	3910.3071960716447	3781.8786779490237	3759.14885582653	3759.14885582653	20.7521218370552	43.78413185518791
74	51	37074	-322761.1413	825397.3170250766	39.13636137913624	-101.9369313	246163.753212916	4336017.270043903	3912.22454	3780.14885582653	3757.182540628124	3757.182540628124	39.882328901531593	59.8823218084977
75	51	37075	-322101.1413	825397.3170250766	39.13638279971593	-101.9346072	246362.1991832501	4336013.198264352	3912.053405454635	3778.472880751694	3752.4524974330503	3751.685993520844	25.90200639966346	61.85891720432258
76	51	37076	-321441.1413	825397.3170250766	39.13640378	-101.9322815	246554.1301833257	4336009.127	3900.794299747074	3776.64065630525	3746.321059306465	3748.242698	34.30306323484835	58.3841267442191506
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78	51	37078	-320121.1413	825397.3170250766	39.1364484521622	-101.9276299	246956.40413252073	4336000.93879593	3905.276087373147	3773.01590906238	3733.659245763424	3729.659245763424	45.79760402279786	54.79640822993
79	51	37079	-319461.1413	825397.3170250766	39.13647022	-101.92533041	247157.5437036328	4335996.91200842	3902.729308122826	3771.222623533093	3727.57936592806	3729.678100958588	43.64589732462895	41.37462343532496
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81	51	37081	-318141.1413	825397.3170250766	39.136513624238994	-101.920626	247569.8181751262	4335992.727220195	3897.060514670622	3767.47407062622	3731.381467943824	3731.381467943824	46.903295197861	45.07682734908894
82	51	37082	-317481.1413	825397.3170250766	39.13653525774029	-101.9183268	247760.9502218316	4335984.700732749	3894.261059991315	3765.56144107178	3724.629822029673	3720.360286	46.13434190419046	45.20112814
83	51	37083	-316821.1413	825397.3170250766	39.13655685	-101.916001	247962.0916130013	4335983.6304477	3891.4946912510914	3763.8164064053305	3717.9801710412844	3715.8553236404607	47.7630781381803	47.7630781381803
84	51	37084	-316161.1413	825397.3170250766	39.1365783998322	-101.9136752	248163.2279666798	4335976.560114441	3888.86626620614	3761.642075888469	3716.874645697967	3714.442263129967	44.76523017850205	50.1998127580205
85	51	37085	-315501.1413	825397.3170250766	39.1365998872476	-101.9113494	248364.36094652834	4335970.490119467	3886.23784600132	3759.628090530583	3716.96484849745	3714.442263129967	43.451581759348	52.47495172702114
86	51	37086	-314841.1413	825397.3170250766	39.13662134	-101.9090236	248565.4999130513	4335968.420269992	3883.604231700014	3757.57216236738	3715.67259172393	3710.625490400187	41.8998715401119	53.94657426189156
87	51	37087	-314181.1413	825397.3170250766	39.1366439190861	-101.906718	248769.8181751262	4335964.700732749	3884.94292741227	3754.88902744525	3713.659245763424	3713.659245763424	43.78413185518791	53.94657426189156
88	51	37088	-313521.1413	825397.3170250766	39.136664115429184	-101.9043721	248967.7086231953	4335960.28109698	3877.540244140533	3753.319564378987	3712.4422108274	3705.949739001316	38.855342727012954	47.36982537760272
89	51	37089	-312861.1413	825397.3170250766	39.13668543449046	-101.9020463	249168.905647033	4335956.211773907	3873.32326417679	3751.116261972				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThkLog.s	SatThkBoth.ft
171	51	37171	-258741.1413	825397.31720250766	39.138280730688436	-101.7113269	265661.1576703749	3435623.123479183	3680.8539589096476	3537.0287257177434	3578.5522877101717	3610.363526019612	0
172	51	37172	-258681.1413	825397.31720250766	39.13629632124748	-101.709001	265862.2728431811	3435619.686898315	3682.5180255381183	3534.2297086999987	3572.421369408979	3605.0887351880115	0
173	51	37173	-258641.1413	825397.31720250766	39.13815866883325	-101.706452	266063.367765388	3435620.514073293	3681.8234368686853	3514.47681029118	3539.3481175614095	3601.424498671798	0
174	51	37174	-258761.1413	825397.31720250766	39.1383733759594	-101.704393	266264.50249566964	3435619.958353564	3685.8461158013997	3528.61767832501	3581.168167362617	3596.43862051105	0
175	51	37175	-258610.1413	825397.31720250766	39.13835802338528	-101.7020234	266465.617	3435606.905370634	3687.7476762300066	3525.8045404443631	3556.790945538953	3591.3190564521674	0
176	51	37176	-258441.1413	825397.31720250766	39.1383623425131	-101.6996975	266666.76122317204	3435619.851280497	3689.886444555792	3522.964890629662	3552.205285622294	3586.500431909394	0
177	51	37177	-258781.1413	825397.31720250766	39.1383560019401	-101.6973716	266867.8452400825	3435598.797365148	3692.002512681152	3520.157346	3547.703182989898	3579.9104883142036	0
178	51	37178	-258412.1413	825397.31720250766	39.13840292121336	-101.6950457	267068.9590279576	3435619.743624578	3694.1645809067245	3517.3213915555712	3543.487304787151	3505.3984504323284	0
179	51	37179	-258361.1413	825397.31720250766	39.13842018730981	-101.6927168	267270.981754405	3435598.89	3696.1820921867959	3514.47681029118	3539.3481175614095	3601.424498671798	0
180	51	37180	-258291.1413	825397.31720250766	39.138457402481815	-101.6903393	267471.1899115634	3435598.63667747	3698.212185339731	3511.623371135643	3535.648462572287	3558.573091072485	0
181	51	37181	-258214.1413	825397.31720250766	39.1384654173086	-101.6880678	267762.29900862393	3435582.853451471	3678.53032228882	3508.7614937180497	3531.8455933752633	3554.64227196717	0
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183	51	37183	-258021.1413	825397.31720250766	39.1384882545845	-101.6834161	268074.5245137855	3435574.47753166	3665.951013712478	3503.01332773303424	3524.2096285630428	3545.51538356024	0
184	51	37184	-258016.1413	825397.31720250766	39.1385059	-101.6810902	268275.6399230252	3435570.4025	3660.83495900423	3500.1286749246287	3520.652171719703	3542.143538243367	0
185	51	37185	-249601.1413	825397.31720250766	39.138522910491766	-101.6787643	268476.7491919644	3435566.727333804	3658.7188908883685	3497.239043390299	3517.039413899178	3540.3391850433284	0
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187	51	37187	-248181.1413	825397.31720250766	39.13855679	-101.6741125	268878.9727748011	3435558.267823332	3646.813404751856	3491.45464571282	3509.961871600444	3531.423779676543	0
188	51	37188	-247521.1413	825397.31720250766	39.13857360614526	-101.6717866	269080.042684785	3435554.215830166	3644.35037515147253	3488.5417524172726	3506.6260224762555	3527.061532169416	0
189	51	37189	-246861.1413	825397.31720250766	39.13859044747468	-101.6694607	269281.1955330468	3435550.16401694	3641.888058277684	3485.633836511414	3502.967545138921	3521.678904473305	0
190	51	37190	-246201.1413	825397.31720250766	39.13860726941114	-101.6671348	269482.3665713783	3435546.1123679215	3639.4253850406426	3482.7213072478116	3499.27095751686	3516.9931224222574	0
191	51	37191	-245541.1413	825397.31720250766	39.1386204064237	-101.6648088	269684.41738100715	3435542.061	3637.612317661839	3479.8057997137813	3495.5289647325158	3512.727365367182	0
192	51	37192	-244881.1413	825397.31720250766	39.1386407	-101.6624829	269868.5279630242	3435538.0096044205	3635.4488654147277	3476.887318162142	3491.759522174644	3507.481102129255	0
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194	51	37194	-243661.1413	825397.31720250766	39.138673947918704	-101.6578311	270268.7484405055	3435529.9039611	3634.1219331001394	3471.041787861557	3484.165375	3498.5754560098	0
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196	51	37196	-242241.1413	825397.31720250766	39.138707017629166	-101.6531792	270688.9680191422	3435521.8061734345	3631.879322429045	3465.185422803306	3476.542516883305	3488.488517	0
197	51	37197	-241581.1413	825397.31720250766	39.13872348509846	-101.6508533	270890.0774662037	3435517.75572314	3630.771855116024	3462.25450887574	3472.634480739353	3493.7305916950245	0
198	51	37198	-240921.1413	825397.31720250766	39.13873990764373	-101.6485274	271091.1866868884	3435513.70505827	3629.6649787820308	3459.322409547347	3468.6976449753406	3477.9984807734665	0
199	51	37199	-240261.1413	825397.31720250766	39.13875625854688	-101.6463575	271298.9598813985	3435509.65843372	3628.35936957231935	3458.42593678142425	3463.4740878186046	3473.40878186046	0
200	51	37200	-239641.1413	825397.31720250766	39.138772017962175	-101.6438759	271463.77962175	3435505.6053739	3615.7386949879	3453.4054614681885	3451.697178852749	3471.9984178852749	0
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202	51	37202	-238281.1413	825397.31720250766	39.138805148952304	-101.6392237	271895.610264907	3435497.50624097	3597.90908801185	3447.932472128934	3453.079262770785	3460.26268085671	0
203	51	37203	-237621.1413	825397.31720250766	39.13882134651709	-101.6368978	272096.729501787	3435493.45890086	3593.1300853655957	3444.6625596527097	3449.32394905015	3455.958273626565	0
204	51	37204	-236961.1413	825397.31720250766	39.13883739951772	-101.6345718	272297.8373650886	3435489.407819713	3592.4870179286233	3441.7320252842896	3445.675613684497	3451.83879165967	0
205	51	37205	-236301.1413	825397.31720250766	39.13885361	-101.6322249	272498.95401028745	3435485.399	3591.843942509312	3438.8007848013023	3442.515986907993	3448.0876209807	0
206	51	37206	-235641.1413	825397.31720250766	39.1388697074624	-101.62992	272700.504272326	3435481.90817987	3591.200811369538	3439.1541672798694	3443.6329526964	3451.6329526964	0
207	51	37207	-234981.1413	825397.31720250766	39.13888556865856	-101.627584	272988.158656786	3435477.261142907	3588.341453706645	3432.8367934272846	3438.262303486955	3449.9107144	0
208	51	37208	-234321.1413	825397.31720250766	39.1389016227767	-101.6252681	273102.265800501	3435473.213	3577.26566860057	3430.04205805083	3433.248592390583	3436.035130190137	0
209	51	37209	-233661.1413	825397.31720250766	39.13891758065688	-101.6229422	273303.3733025575	3435469.164	3568.1898800134736	3427.0173831329667	3429.998421177247	3432.6310290021173	0
210	51	37210	-233001.1413	825397.31720250766	39.13893347411172	-101.6206162	273504.478521891	3435461.1165019	3559.1140931688897	3424.13905863436	3426.8884375253388	3430.5011201393636	0
211	51	37211	-232341.1413	825397.31720250766	39.13894931264216	-101.6182903	273705.5861486026	3435465.068	3551.9701075602693	3421.207528156908	3423.552705	3429.532406988622	0
212	51	37212	-231681.1413	825397.31720250766	39.13896510624819	-101.615944	273906.6922151395	3435457.028358181	3546.757923193613	3418.7266969074627	3420.1704734862057	3426.879087536705	0
213	51	37213	-231021.1413	825397.31720250766	39.13898164366381	-101.6136181	274107.7986711174	3435452.927194802	3541.5487672798694	3415.2346710879403	3417.2346710879403	3425.2346710879403	0
214	51	37214	-230361.1413	825397.31720250766	39.13899556868565	-101.6119224	274308.90367918	3435435.462930734	3538.335544609299	3412.418503294543	3415.71928996247	3422.4118576142035	0
215	51	37215	-229701.1413	825397.31720250766	39.139007215719415	-101.6098865	274510.0910127274	3435448.87025966	3530.865165116038	3409.9411257767203	3410.7685025168707	3421.963071568055	0
216	51	37216	-229041.1413	825397.31720250766	39.13902783142745	-101.606606	274711.1142821447	3435440.83021704	3525.104530278572	3406.54834	3407.251730446264	3411.29360185206	0
217	51	37217	-228381.1413	825397.31720250766	39.13904340041088	-101.6043347	274912.21904579	3435436.78391939	3519.4159084643046	3403.63938866547	3403.74628129506	3419.848801844715	0
218	51	37218	-227721.1413	825397.31720250766	39.13905894469715	-101.6020087	275113.3238779729	3435432.7323668	3515.61927614038	3401.74484909006	3399.382397555333	3422.005737844895	1.3325251534724885
219	51	37219	-227061.1413	825397.31720250766	39.1390744636381	-101.5996628	275314.4284986013	3435429.891	3509.101685810875	3397.791770092866	3396.1479435296415	3424.068621010355	1.642865633441915
220	51	37220	-226401.1413	825397.31720250766	39.139086837813465	-101.5973568	275515.532783054	3435424.6440753	3498.64758273284	3394.7042507572	3392.89278272575	3427.040590447591	1.75768550520616
221	51	37221	-225741.1413	825397.31720250766	39.13910523	-101.5950309	275716.63						

ix	iy	X	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	BR ElevLogKrg.ft	SurfBothKrg.ft
297	317	32797	-175881.1413	825397.3170250766	39.140143361025466	-01.182563	290999.9133991329	4335113.594335907	4302.3118802940748	3207.6261060457105	3138.578056412954	3225.596170024412	68.0480963275637
298	317	32798	-175891.1413	825397.3170250766	39.14015525012638	-01.1159303	291201.0011063193	4335101.516611843	3407.048917632572	3206.78332135665	3138.62728966138	3209.02329326284	0
299	317	32799	-175901.1413	825397.3170250766	39.14016717610405	-01.136643	291402.0844278977	433505.528670354	3405.386457650465	3203.9516990565404	3138.222118523945	3215.898531271326	0
300	317	32800	-175911.1413	825397.3170250766	39.14017901625405	-01.112783	291603.1756334941	4335101.496349818	3407.144715911012	3205.366798221936	3129.63549046903	3235.0585707706	7.72722057600731
301	317	32801	-172941.1413	825397.3170250766	39.14019081147684	-01.408562	291804.2626347073	4335097.464100341	3388.902490117512	3204.780767121567	3125.3342950245346	3215.374261110283	74.4646720862205
302	317	32802	-172281.1413	825397.3170250766	39.140202551772824	-01.406622	292005.3494309145	4335093.919761343	3380.661087404374	3204.266147245047	3120.20295847676	3238.617273461366	48.404817637168
303	317	32803	-171621.1413	825397.3170250766	39.14021426714203	-01.404302	292206.4360212011	4335089.4	3369.783071571924	3203.8128448914528	3114.048837998202	3219.8248492122386	89.764005
304	317	32804	-170961.1413	825397.3170250766	39.140225927584396	-01.401942	292407.5224	4335085.368249329	3356.298854713579	3203.413571326153	3107.058722835735	3216.3456256037819	42.06794276577966
305	317	32805	-170301.1413	825397.3170250766	39.14023734399996	-01.399648	292608.6060606	4335091.336646987	3342.834637650465	3203.9516990565404	3138.222118523945	3215.898531271326	0
306	317	32806	-169641.1413	825397.3170250766	39.14024911368985	-01.397322	292809.645664282	433507.305217905	3329.104203987793	3202.7578337338	3097.225709204016	3125.092269765945	76.658514516836
307	317	32807	-168881.1413	825397.3170250766	39.14026053935047	-01.394961	293001.78033979033	4335072.736262434	3327.066849915676	3202.474662	3107.68493526765	3192.9413935989523	70.060268077201
308	317	32808	-168231.1413	825397.3170250766	39.140272120085434	-01.3926701	293211.865909282	4335069.22488113	3326.07346345009	3202.229669013013	3118.55756140399	3209.1640137435934	0
309	317	32809	-167661.1413	825397.3170250766	39.14028335589343	-01.3903441	293412.9512715914	4335061.919761343	3325.08099353401	3202.01063253041	3128.7845003073163	3215.546263292104	0
310	317	32810	-167001.1413	825397.3170250766	39.14029436477449	-01.3880181	293614.0364375599	4335061.181240984	3324.088074073076	3201.8127662125094	3138.451363	3166.65549488048	0
311	317	32811	-166341.1413	825397.3170250766	39.1403056272859	-01.385962	293815.1213967465	4335057.150881728	3323.052505621373	3201.83391	3147.7907465881626	3153.8431634977725	48.195778
312	317	32812	-165681.1413	825397.3170250766	39.14031759375573	-01.383366	294016.20615291776	4335053.12029538	3324.391167171374	3201.470067984137	3156.6913476657385	3162.6758841191076	0
313	317	32813	-165021.1413	825397.3170250766	39.14032848485565	-01.38104	294217.2907002436	4335049.09003424	3324.368258453305184	3201.3196124396764	3162.871275633474	3171.468582997288	0
314	317	32814	-164361.1413	825397.3170250766	39.14034005102894	-01.378714	294418.750506462	4335045.06004498	3323.125739	3201.1795810580504	3161.554240694208	3171.3617718696922	0
315	317	32815	-163701.1413	825397.3170250766	39.14035122727499	-01.3763789	294619.5490523134	4335041.30180325	3322.646718823662	3200.9472366675976	3158.5921347152716	3172.958896118085	0
316	317	32816	-163041.1413	825397.3170250766	39.140362348593975	-01.3740619	294820.54351013041	4335037.00048915	3321.78581893730296	3200.92104453454	3155.562138492233	3175.055634745324	0
317	317	32817	-162381.1413	825397.3170250766	39.14037359495806	-01.3717359	295021.6268953603	4335032.97929161	3321.0774199	3200.7959445185006	3152.850295047464	3174.0439072	0
318	317	32818	-161721.1413	825397.3170250766	39.14038456450545	-01.369409	295221.7043716033	4335028.34162159	3320.280126363323	3200.677292030796	3150.614056256803	3200.677292030796	0
319	317	32819	-161061.1413	825397.3170250766	39.14039542486626	-01.3671284	295429.7837826252	4335024.7459002174	3320.242481	3200.677292030796	3150.614056256803	3200.677292030796	0
320	317	32820	-160401.1413	825397.3170250766	39.14040638	-01.3647578	295624.878917502	4335020.83463768	3320.7225091160823	3200.4219751586233	3147.8394872080263	3138.3259718740015	0
321	317	32821	-159741.1413	825397.3170250766	39.140417128211	-01.3624318	295825.9585563856	4335016.854616416	3320.6161711223544	3200.2912959766406	3147.8394872080263	3138.3259718740015	0
322	317	32822	-159081.1413	825397.3170250766	39.140428133038256	-01.3601057	296027.04259273375	4335012.82593821	3321.50927534024	3200.155253617741	3147.8786954065204	3132.59399341257	0
323	317	32823	-158421.1413	825397.3170250766	39.14043838986718	-01.3577797	296228.12512907493	4335008.79518607	3321.1945017548232	3200.0127997603604	3148.723159322879	3132.59399341257	0
324	317	32824	-157761.1413	825397.3170250766	39.14044971768866	-01.3554337	296429.2074647865	4335004.769217638	3321.6718081948284	3199.86330889536	3151.006252612314	3154.084851153834	0
325	317	32825	-157101.1413	825397.3170250766	39.14046046143311	-01.3531276	296630.296901577	4335000.741890362	3321.481092353745	3199.705806898987	3154.026722776686	3155.478963823455	0
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327	317	32827	-155781.1413	825397.3170250766	39.1404817191033	-01.3484756	297032.45327060105	4334992.658366676	3322.972452603505	3199.36896325313	3156.92321048924	3224.820966	0
328	317	32828	-155121.1413	825397.3170250766	39.14049230010288	-01.3461495	297233.534806086	4334987.657500633	3323.1384967624605	3199.183946843984	3165.12968770518	3223.93897587607	0
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334	317	32834	-151161.1413	825397.3170250766	39.14055449478863	-01.3321933	298440.19353531	4334964.49575925	3323.290393737759	3197.860333977259	3187.8660546418657	3209.903710018237	0
335	317	32835	-150501.1413	825397.3170250766	39.140565117489444	-01.3298673	298641.1000748623	4334960.46937819	3323.77733746056	3197.602580747335	3186.70183180741	3206.85522360967	0
336	317	32836	-149841.1413	825397.3170250766	39.1405753406274	-01.3275412	298842.18023266	4334956.44150059	3323.843954923894	3197.348029040226	3184.8292912885972	3205.637155182960	0
337	317	32837	-149181.1413	825397.3170250766	39.14058551810857	-01.3252152	299043.2597701589	4334952.47106835	3323.905761013525	3197.0568691646714	3183.9514856770056	3211.0589368487415	0
338	317	32838	-148521.1413	825397.3170250766	39.1405955102688	-01.3228892	299244.3351913407	4334949.391236607	3323.9781972797736	3196.76854778135	3181.208797862513	3198.40139462075	0
339	317	32839	-147861.1413	825397.3170250766	39.1406057280893	-01.3205618	299445.9878107778	4334946.1917778	3324.0436294745223	3196.4789329474177	3180.4789329474177	3196.4789329474177	0
340	317	32840	-147201.1413	825397.3170250766	39.14061578208093	-01.3182371	299646.4972536317	4334940.304107151	3324.0848202608836	3196.159539	3187.376772819892	3194.731979363007	0
341	317	32841	-146541.1413	825397.3170250766	39.14062578021659	-01.315911	299847.576276744	4334936.316468322	3324.04644797644	3195.83095887716	3177.282024248677	3193.206511667826	0
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345	317	32845	-143901.1413	825397.3170250766	39.1406657280893	-01.3065618	300651.968445959	4334920.215007153	3324.271870363	3194.49232940107	3184.8292912885972	3205.637155182960	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WlCts	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatTchKgsKrg.ft	SatTchBoth.ft
423	51	37423	-92421.14133	82539.371720250766	39.14129273720953	-101.1251736	31335.4002679662	3434066.025960312	3252.501494	3103.6151281917405	3058.990741242838	3075.487401313565	3442438694890261	28.127762887817551
424	51	37424	-91761.14133	82539.371720250766	39.14129900629959	-101.1228475	31636.4635798487	3434602.614990335	3248.6124612582225	3102.1859502376915	3057.157142158759	3074.999239414966	345.02880978832324	27.186170922498934
425	51	37425	-91101.14133	82539.371720250766	39.14130621192144	-101.1065646	31637.5267118306	3434598.4941938735	3246.723249428154	3100.753428649804	3058.189320612785	3073.555251114203	345.68808798613868	28.19717748472387
426	51	37426	-90441.14133	82539.371720250766	39.141311406983124	-101.1181953	31638.5986611219	3434599.366505082	3099.317656355657	3054.353946684868	3074.760461873571	3054.5532796109352	345.53272461903952	27.5532796109352
427	51	37427	-89781.14133	82539.371720250766	39.1413175	-101.1158692	317139.65243630037	3434590.783118664	3241.149151041414	3097.869331673357	3051.7524655049915	3074.176965325065	345.116866136653505	23.69236634830213
428	51	37428	-89121.14133	82539.371720250766	39.14132363337117	-101.1135431	317340.715033903634	3434586.772840499	3236.662176123583	3096.4182711768917	3050.5347108566257	3072.24431112893	345.1683603206604	24.17391756602396
429	51	37429	-88461.14133	82539.371720250766	39.14132967816885	-101.1112171	317541.77744481096	3434582.7627352127	3236.186232832256	3094.9698780914926	3049.32864021175	3070.9598583	345.2270140373164	24.00102484632816
430	51	37430	-87801.14133	82539.371720250766	39.14133577333615	-101.108891	317542.839604342	3434578.752802808	3237.7047744401234	3093.439607405656	3049.048004	3069.506015074534	344.4560345056852	23.98757533132258
431	51	37431	-87041.14133	82539.371720250766	39.1413416182144	-101.1065646	317543.903719371806	3434574.433432565	3228.459985860678	3092.0197276481	3048.172144966456	3068.5545877983517	344.53638841735115	23.86717748472387
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435	51	37435	-84501.14133	82539.371720250766	39.1413650089338	-101.0972065	318748.1481819594	3434558.70733605	3231.24280633147	3086.0294400046996	3051.778670739996	3061.7959546028366	344.5234836018604	24.2334836018604
436	51	37436	-83841.14133	82539.371720250766	39.1413703926454	-101.0949344	318949.209345062	3434554.698832777	3228.85651291362	3084.506817137603	3050.506817137603	3060.24961613252	344.506817137603	24.25663892764849
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441	51	37441	-80641.14133	82539.371720250766	39.14139870670572	-101.083304	319954.5125236095	3434534.654953747	3215.744776100455	3076.704398528	3046.213345	3046.213345	344.5276119341221	28.67679156771298
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443	51	37443	-79221.14133	82539.371720250766	39.14140985261507	-101.0786518	320366.6325572407	3434526.639	3210.38856300962	3073.48571865268	3042.977885031577	3042.977885031577	344.5276119341221	28.67679156771298
444	51	37444	-78561.14133	82539.371720250766	39.14141453026684	-101.0763257	320557.6923093075	3434522.618964325	3208.288449617055	3071.84512671383	3042.1963793571	3041.84149543657	344.5276119341221	28.67679156771298
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446	51	37446	-77241.14133	82539.371720250766	39.14142555926092	-101.0716735	320959.811280819	3434514.617388975	3204.092112428423	3068.502547436876	3042.23007	3042.23007	344.5276119341221	28.67679156771298
447	51	37447	-76581.14133	82539.371720250766	39.14143079484662	-101.0693474	321160.8705139515	3434510.0393909	3202.57140623904	3066.79347875915	3041.5819058912106	3041.5819058912106	344.5276119341221	28.67679156771298
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449	51	37449	-75261.14133	82539.371720250766	39.14144113164454	-101.0646952	321562.9848043042	3434502.9692252	3200.692044870238	3063.292125343483	3038.171797988365	3038.16249214422	344.5276119341221	28.67679156771298
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451	51	37451	-73941.14133	82539.371720250766	39.1414512685979	-101.0600838	321965.104675033	3434494.54124055	3200.679296795833	3059.6729122374867	3036.229122374867	3036.229122374867	344.5276119341221	28.67679156771298
452	51	37452	-73281.14133	82539.371720250766	39.14145631144563	-101.0577169	322116.9476144313	3434490.57801195	3200.60805283	3058.00905283	3034.194905283	3034.194905283	344.5276119341221	28.67679156771298
453	51	37453	-72621.14133	82539.371720250766	39.14146126581488	-101.0553098	322367.2222	3434486.570252348	3200.51965639695	3055.91050621564	3029.023798161857	3029.023798161857	344.5276119341221	28.67679156771298
454	51	37454	-71961.14133	82539.371720250766	39.1414661703456	-101.0530647	322594.2802006995	3434482.56626517	3200.505368336574	3053.975419567518	3025.77041362477	3025.77041362477	344.5276119341221	28.67679156771298
455	51	37455	-71301.14133	82539.371720250766	39.14147106332514	-101.0507386	322769.3308398835	3434478.56053366	3200.47588517092	3052.040735491725	3022.391551940113	3022.391551940113	344.5276119341221	28.67679156771298
456	51	37456	-70641.14133	82539.371720250766	39.1414758946648	-101.0484125	322970.396874475	3434474.555121875	3200.347183172091	3050.00129480971	3019.051477499194	3019.051477499194	344.5276119341221	28.67679156771298
457	51	37457	-69981.14133	82539.371720250766	39.14148068111976	-101.0460864	323171.45317070484	3434470.54945042	3200.219390438788	3047.96414568745	3017.96414568745	3017.96414568745	344.5276119341221	28.67679156771298
458	51	37458	-69321.14133	82539.371720250766	39.14148542126165	-101.043778	323372.1540849804	3434464.54491858	3200.09106718721	3045.00881036737	3016.04140027317	3016.04140027317	344.5276119341221	28.67679156771298
459	51	37459	-68661.14133	82539.371720250766	39.14149019178555	-101.0414432	323573.571774474	3434460.935953275	3200.01159341788	3043.968403203753	3013.16894204644	3013.16894204644	344.5276119341221	28.67679156771298
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462	51	37462	-66681.14133	82539.371720250766	39.1415030934369	-101.0344559	324176.738092222	3434450.52193464	3200.017028490421	3040.470591785197	3004.484549458252	3004.484549458252	344.5276119341221	28.67679156771298
463	51	37463	-66021.14133	82539.371720250766	39.14150845620056	-101.0321298	324377.7945040814	3434446.52196148	3200.017028490421	3040.34508739752	3003.544271370095	3003.544271370095	344.5276119341221	28.67679156771298
464	51	37464	-65361.14133	82539.371720250766	39.1415126281167	-101.0298037	324578.85081521126	3434442.517001847	3200.017028490421	3040.3128654832046	3003.6052451795	3003.6052451795	344.5276119341221	28.67679156771298
465	51	37465	-64701.14133	82539.371720250766	39.14151791739559	-101.027515	324786.95081521126	3434438.510307798	3200.017028490421	3040.2827394981122	3002.908545869005	3002.908545869005	344.5276119341221	28.67679156771298
466	51	37466	-64041.14133	82539.371720250766	39.141523717319559	-101.025115	324995.811280819	3434434.510307798	3200.017028490421	3040.2571471293	3002.80745132953	3002.80745132953	344.5276119341221	28.676791

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
49	37549	-9261.141327	825397.3170250766	39.1471228824870675	-100.8320685	341668.0271199457	4334102.802828985	2607.0219671254827	2917.3322354606874	2812.28614	2811.987211985123	50.0409504185419	105.3450243755108	
500	37550	-9601.141327	825397.3170250766	39.14712943286039	-100.8297584	341869.6069750836	4334098.813582737	3007.579355882824	2916.2651365002456	2817.761930521206653	2817.761930521206653	86.54013253765727	98.54013253765727	
551	37551	-7941.141327	825397.3170250766	39.14712999169358	-100.8274363	342070.1127639034	4334094.826	2815.83371261864	2823.2570274681464	2823.2570274681464	91.628303949709945	91.628303949709945		
552	37552	-7281.141327	825397.3170250766	39.14713051405084	-100.8251062	342271.14531037	4334090.851531243	3001.0656581531243	2914.0071414280717	2828.395184377097	2826.75167	87.691961705160473	87.32909723	
553	37553	-6621.141327	825397.3170250766	39.14713098725159	-100.8227801	342472.1956165454	4334086.846878303	2996.538170420842	2912.977018102503	2824.5421226196434	2824.5592474290105	88.34489642858285	88.34489642858285	
554	37554	-5961.141327	825397.3170250766	39.14713141552264	-100.8204539	342673.15254563979	4334082.853410664	2911.8556140271341	2811.8556140271341	2820.868318881294	2820.868318881294	90.29771134132165	90.29771134132165	
555	37555	-5301.141327	825397.3170250766	39.14713178886403	-100.8181278	342874.2789	4334078.86992731	2991.34487380287	2910.742987438028	2819.5853797100326	2819.5853797100326	91.54815528787549	91.54815528787549	
556	37556	-4641.141327	825397.3170250766	39.14713213727574	-100.8158017	343075.32027637586	4334074.881711919	2934.534836076036	2909.586109282419	2818.889703191843	2818.889703191843	90.496040569323461	91.16209018801843	
557	37557	-3981.141327	825397.3170250766	39.14713240397874	-100.8134766	343276.3145991187	4334070.93868294	2987.7265433177566	2908.441193283887	2817.763835886676	2817.763835886676	90.57899369377945	90.57899369377945	
558	37558	-3321.141327	825397.3170250766	39.147132679310195	-100.811495	343477.4022487495	4334065.90574948	3000.515644	2907.262598120145	2819.118323838003	2819.118323838003	88.17427507401135	88.17427507401135	
559	37559	-2661.141327	825397.3170250766	39.1471328932935	-100.8088234	343678.44336005684	4334062.91806499	2999.37082803656	2906.12430418148	2825.226186259307	2825.226186259307	80.5158704254116	80.5158704254116	
560	37560	-2001.141327	825397.3170250766	39.14713304162598	-100.8064973	343879.48408315564	4334058.930658311	2993.0870665574	2904.99186108199	2828.8486533025535	2829.15640431545	76.1432076796345	76.1432076796345	
561	37561	-1341.141327	825397.3170250766	39.14713331558397	-100.804711	344080.82465412867	4334054.54211921	2986.805349707293	2903.843953484283	2823.435713079591	2823.435713079591	80.4280224	80.4280224	
562	37562	-681.1413269	825397.3170250766	39.14713324220374	-100.801845	344281.5650732258	4334050.956027316	2992.69401998089	2902.69401998089	2818.962471	2818.962471	81.76130362	83.7587507168918	
563	37563	-21.14132693	825397.3170250766	39.147133248127096	-100.7995189	344482.6054005489	4334046.96904487	2975.7724522215	2901.5589798356785	2816.342922181485	2816.342922181485	85.2712617272623	85.2712617272623	
564	37564	138.8586730733514	825397.3170250766	39.14713322710146	-100.7971928	344683.8455	4334042.92173431	2972.549902105631	2902.42150242772	2813.840771703277	2814.308972177843	86.5814285394947	86.1131780248793	
565	37565	1298.8586730733514	825397.3170250766	39.14713316114818	-100.7948667	344884.28542128664	4334038.995504138	2998.76589864272228	2899.2898658272228	2817.37006761746	2817.0697202337254	87.196188547688	87.21996533497378	
566	37566	1598.8586730733514	825397.3170250766	39.1471330526119	-100.7925406	345085.72243514934	4334035.09006095	2968.105415872645	2898.161594863754	2808.4346518621664	2809.2431696894704	89.726943	88.9184249494771	
567	37567	2618.8586730733514	825397.3170250766	39.14713288444638	-100.7902145	345286.768978685	4334031.02286799	2962.449723083543	2897.038232445636	2806.251582056576	2806.2394540542606	91.7766503891059	90.7902669	
568	37568	3278.8586730733514	825397.3170250766	39.1471328730222	-100.7878883	345487.8044098052	4334027.03625737	2960.9198950112964	2802.5522118756453	2803.131836590458	2803.131836590458	93.3678313565108	92.7805353224683	
569	37569	3938.8586730733514	825397.3170250766	39.1471324802823	-100.7856522	345688.843714776	4334023.050440355	2954.271483159177	2804.806375	2801.38410397357	2801.38410397357	94.821674492407	93.94193198514516	
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571	37571	5258.8586730733514	825397.3170250766	39.14713213358194	-100.780975	346109.842624977	4334015.92849277	2946.8224639719583	2802.8924639719583	2801.680592952534	2801.680592952534	93.1581238504917	93.1581238504917	
572	37572	5918.8586730733514	825397.3170250766	39.14713144142825	-100.7785938	346291.960555548	4334011.08327684	2947.132370061175	2801.490713	2800.987608	2801.078084106706	90.50344895007	90.4126284050535	
573	37573	6578.8586730733514	825397.3170250766	39.14713101603558	-100.7762518	346492.999717825	4334007.03627174	2946.462030966076	2800.391778408286	2801.0929028433766	2801.0929028433766	88.1589045120013	89.298875	
574	37574	7238.8586730733514	825397.3170250766	39.1471305457126	-100.7739317	346694.038302849	4334003.12208352	2945.791742393037	2899.246022358096	2800.264925102466	2802.7372901425415	86.23210972556308	87.1551209236214	
575	37575	7898.8586730733514	825397.3170250766	39.147130034611254	-100.7716055	346895.076793594	4333999.18256205	2943.621170270654	2898.1983182784625	2806.474687588266	2806.209743	81.7233609	81.8885752326327	
576	37576	8558.8586730733514	825397.3170250766	39.14712947027961	-100.7692794	347096.1157325425	4333995.13457929	2948.06462624849	2897.102071927753	2810.924037303617	2810.6993024370436	76.17803462413622	76.4027649070949	
577	37577	9218.8586730733514	825397.3170250766	39.14712886518687	-100.7668633	347297.153725258	4333991.25372625	2946.905206427274	2896.205436317274	2815.9056168863212	2815.9056168863212	80.58157501347	80.58157501347	
578	37578	9878.8586730733514	825397.3170250766	39.14712827112729	-100.7644872	347498.191201417	4333987.184	2943.600440480094	2892.806713780853	2812.900713780853	2812.900713780853	82.645745236090574	82.645745236090574	
579	37579	10538.8586730733514	825397.3170250766	39.14712750015635	-100.7623011	347699.229155885	4333983.20016215	2943.302299155645	2883.797244136867	2822.95824163864	2825.90552394915	63.8309027222322	59.94573917	
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581	37581	11858.8586730733514	825397.3170250766	39.14712599542638	-100.7576489	348101.3044510918	4333975.232	2928.415115100733	2881.5605672525103	2806.055378	2806.17409519944	75.0551889	75.38715772526627	
582	37582	12518.8586730733514	825397.3170250766	39.1471251666672	-100.7553227	348302.1437185601	4333971.28397406	2927.74145347778	2880.426153489877	2794.715369535844	2794.324536889877	86.7105933384886	86.1011867781555	
583	37583	13178.8586730733514	825397.3170250766	39.1471242509775	-100.7529966	348503.3915244245	4333967.26481867	2925.52819001175	2879.277465555516	2783.251687801007	2782.207618337737	86.0259775	96.9700722	
584	37584	13838.8586730733514	825397.3170250766	39.14712337155814	-100.7506795	348704.4162919452	4333963.28141026	2924.746989700172	2878.17628950171	2815.9056168863212	2815.9056168863212	88.1581238504917	88.1581238504917	
585	37585	14498.8586730733514	825397.3170250766	39.14712240809026	-100.7483444	348905.453262474	4333959.289175074	2915.915813951775	2876.925732776533	2797.2718653	2797.47649841436396	90.7908838350346	90.42804858393368	
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589	37589	17138.8586730733514	825397.3170250766	39.14711809355483	-100.73904	349709.598256574	4333934.659645343	2912.3255578579215	2871.92608189561	2784.66540580594	2784.66540580594	87.2634516811476	87.46725748	
590	37590	17798.8586730733514	825397.3170250766	39.14711691012196	-100.7367138	349910.630573473	4333939.34564411	2910.950004215524	2870.752465555247	2783.251687801007	2782.207618337737	86.789972269226	86.8996144890452	
591	37591	18458.8586730733514	825397.3170250766	39.14711573091296	-100.7343951	350116.785618044	4333934.549436281	2909.848579163928	2869.848579163928	2783.549436281	2783.549436281	87.2634516811476	87.2634516811476	
592	37592	19118.8586730733514	825397.3170250766	39.14711439103696	-100.7320616	350312.1037167698	4333930.402325977	2907.853340715226	2867.85404972475	2784.75640443167	2783.74312811815	83.2818502790574	84.08017190029034	
593	37593	19778.8586730733514	825397.3170250766	39.14711307295331	-100.7297355	350513.7439405486	4333923.43462547	2907.75472004434	2866.435371158628	2785.0185291932103	2784.75640443167	81.41684197	82.1766024757961	
594	37594													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SatBothKgr.ft	SatBothKgr.ft
675	ix	37675	73898.8586730335	825397.3170250766	39.14445161096751	-105.389948	366988.2049672348	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
676	ix	37676	74558.8586730335	825397.3170250766	39.1444565783872	-105.386687	367199.22941247035	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
677	ix	37677	75218.8586730335	825397.3170250766	39.14446146970681	-105.384646	367400.2532782403	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
678	ix	37678	75843.8586730335	825397.3170250766	39.144463176372	-105.382015	367601.27197780477	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
679	ix	37679	76538.8586730335	825397.3170250766	39.14443113	-105.3296904	367802.3019787967	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
680	ix	37680	77198.8586730335	825397.3170250766	39.14425896032366	-105.273643	368003.325917946	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
681	ix	37681	77858.8586730335	825397.3170250766	39.1442061825799	-105.2250382	368204.24971724206	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
682	ix	37682	78181.8586730335	825397.3170250766	39.1441250554566	-105.2227121	368405.3739354364	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
683	ix	37683	78178.8586730335	825397.3170250766	39.14409679222055	-105.220386	368606.2986540383	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
684	ix	37684	78638.8586730335	825397.3170250766	39.1440452	-105.180589	368807.420	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
685	ix	37685	78805.8586730335	825397.3170250766	39.1439905786688	-105.1517339	369008.44366763823	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
686	ix	37686	81158.8586730335	825397.3170250766	39.14339350551022	-105.134078	369209.466838045	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
687	ix	37687	81818.8586730335	825397.3170250766	39.14338008101552	-105.110817	369410.488828589	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
688	ix	37688	82478.8586730335	825397.3170250766	39.1432841582384	-105.087556	369611.5128011895	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
689	ix	37689	83138.8586730335	825397.3170250766	39.14317677891712	-105.064295	369812.53559360834	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
690	ix	37690	83798.8586730335	825397.3170250766	39.14317109548139	-105.041304	370013.558203164	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
691	ix	37691	84458.8586730335	825397.3170250766	39.1430536416675	-105.017773	370214.5808015208	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
692	ix	37692	85118.8586730335	825397.3170250766	39.1430595422299	-104.994512	370415.63017214246	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
693	ix	37693	85778.8586730335	825397.3170250766	39.1433570085123	-104.897125	370616.6250874336	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
694	ix	37694	86438.8586730335	825397.3170250766	39.1431479186473	-104.894799	370817.647741496	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
695	ix	37695	87098.8586730335	825397.3170250766	39.1432401188817	-104.924729	371018.6969	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
696	ix	37696	87588.8586730335	825397.3170250766	39.1433600158986	-104.901489	371219.615321269	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
697	ix	37697	88148.8586730335	825397.3170250766	39.1432460420415	-104.878642	371429.8459847	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
698	ix	37698	89078.8586730335	825397.3170250766	39.143240125923	-104.854547	371621.7305920906	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
699	ix	37699	89738.8586730335	825397.3170250766	39.143179354572	-104.831686	371822.7566371666	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
700	ix	37700	90398.8586730335	825397.3170250766	39.143118	-104.808425	372023.7708553744	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
701	ix	37701	90838.8586730335	825397.3170250766	39.1430562776725	-104.785164	372224.79955577814	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
702	ix	37702	91338.8586730335	825397.3170250766	39.1429940394765	-104.761903	372425.8202592115	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
703	ix	37703	91848.8586730335	825397.3170250766	39.1428914018305	-104.738642	372626.851910503	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
704	ix	37704	92398.8586730335	825397.3170250766	39.14279170250766	-104.7157816	372827.862581947	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
705	ix	37705	93698.8586730335	825397.3170250766	39.1422804729311	-104.692211	373028.8831485953	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
706	ix	37706	94358.8586730335	825397.3170250766	39.14217407197494	-104.668826	373229.904	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
707	ix	37707	95018.8586730335	825397.3170250766	39.1421672604791	-104.645599	373430.9425889514	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
708	ix	37708	95678.8586730335	825397.3170250766	39.14216113519212	-104.622338	373631.9449974993	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
709	ix	37709	96338.8586730335	825397.3170250766	39.142154599407548	-104.599577	373832.9653149226	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
710	ix	37710	96998.8586730335	825397.3170250766	39.1421460192415	-104.576186	374034.9218078125	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
711	ix	37711	97658.8586730335	825397.3170250766	39.1421433930207	-104.552957	374235.0058441706	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
712	ix	37712	98318.8586730335	825397.3170250766	39.14212447281215	-104.525295	374436.0253723287	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
713	ix	37713	98978.8586730335	825397.3170250766	39.14212208069164	-104.500634	374637.0543690745	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
714	ix	37714	99638.8586730335	825397.3170250766	39.1421214655333	-104.482773	374830.0680050946	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
715	ix	37715	100298.8586730335	825397.3170250766	39.1421144119632	-104.459512	375039.064704706	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
716	ix	37716	100958.8586730335	825397.3170250766	39.14210759090772	-104.436252	375240.1024041527	3733601.5088523870	2770.711019385755	272.220668625109124	2682.225954574263	2682.7680568280243	49.29879732069691	49.29879732069691
717	ix	37717	101618.8586730335	825397.3170250766	39.1421033930207	-104.413027	375432.053364167	3733601.5088523870	2770.711019385755	272.220668625109124	2682.2			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
61	52	37801	-333141.1413	826057.3170250766	39.137884023669965	-101.9671969	243541.10871700727	4336271.496386985	3891.641455550775	378.0183460215925	3746.388139827461	3751.278654	452220619413138	47.53169172883236
62	52	37802	-330681.1413	826057.3170250766	39.13790566	-101.9648711	244374.25042366335	4336267.422057348	3887.996831319596	3747.544284567996	3736.034602738323	3747.533250972777	61.509881748477306	53.20599184862196
63	52	37803	-330021.1413	826057.3170250766	39.1379290473966	-101.9628622	244943.3916762246	4336263.93421907	3886.598017962629	3746.240406	3726.0194251718453	3752.8811389991653	70.5243212281474	43.65890748864376
64	52	37804	-329361.1413	826057.3170250766	39.13795148562722	-101.9602194	244144.53370488185	4336259.27336226	3886.952034561104	3734.895972393626	3731.88674321966	3740.10753074047	73.00200241	34.78814189968538
65	52	37805	-328701.1413	826057.3170250766	39.1379738339248	-101.9578936	244345.64	4336255.200178301	3887.4073761406824	3733.91058692707	3725.27780823417	3750.9013890962988	68.23317745859003	42.60959659640821
66	52	37806	-328041.1413	826057.3170250766	39.1379962617243	-101.9555678	244546.8147182717	4336251.126570127	3887.988717823543	3732.085293026996	3730.8909162063633	3742.4831967206333	49.601783108471864	64.78701389187864
67	52	37807	-327381.1413	826057.3170250766	39.13801854432015	-101.9535242	244747.9515032712	4336247.053137695	3889.734413603304	3730.620128829104	3736.744069144659	3737.0178699904	53.67805968441316	53.26838299199
68	52	37808	-326721.1413	826057.3170250766	39.1380408097119	-101.9509162	244949.0953351873	4336242.97880998	3887.707461845115	3730.114787482455	3743.241760429336	3732.804757308407	45.8767813180955	56.31272144
69	52	37809	-326061.1413	826057.3170250766	39.13806302489854	-101.9486803	245150.2326849598	4336238.90680034	3886.598017962629	3733.9785420367	3746.955459588574	3733.322147	53.6243692179855	54.70179883535
70	52	37810	-325401.1413	826057.3170250766	39.1380851980823	-101.9462545	245351.3749	4336234.33894792	3886.653550498737	3736.01005792317	3756.7927021002656	3737.945187322474	29.217356529145343	48.0630789716357
71	52	37811	-324741.1413	826057.3170250766	39.1381073262598	-101.9433887	245552.5147632635	4336230.761165267	3901.6988748553234	3784.140905145264	3763.2546078552373	3742.377477919287	22.115634275917287	42.03370445945585
72	52	37812	-324081.1413	826057.3170250766	39.1381240952314	-101.9416129	245753.65355175865	4336226.688611446	3904.816453	3782.785190064767	3767.8255605805616	3745.2043304194	14.9596289483515073	41.54465702
73	52	37813	-323421.1413	826057.3170250766	39.13815144785972	-101.939287	245954.7924762826	4336219.862133334	3907.93423242841	3781.1346991687033	3767.7141251824855	3745.2739085005637	13.420253398621732	55.85538936309594
74	52	37814	-322761.1413	826057.3170250766	39.13817341286554	-101.9369612	246155.9314268923	4336218.544	3911.0516116199924	3779.458774124008	3762.545925628385	3769.6796244056854	16.912784784015912	69.778533006711536
75	52	37815	-322101.1413	826057.3170250766	39.13819539978177	-101.9346354	246357.06966713577	4336214.472002163	3911.3941952740247	3777.7597237470346	3754.8902990852782	3752.10170088396	39.21425466175807	67.6030236072397
76	52	37816	-321441.1413	826057.3170250766	39.1382172935523	-101.9323095	246558.270633919	4336210.40115113	3908.961782304938	3776.027968100033	3746.762098163654	3713.5569209120717	29.26589936398758	62.47104711891185
77	52	37817	-320781.1413	826057.3170250766	39.13823915200992	-101.9299837	246759.34575353714	4336206.23847542	3906.592371155852	3774.275718599097	3738.6735553063939	3717.9582927114928	36.612632535404	56.317458484573
78	52	37818	-320121.1413	826057.3170250766	39.13826096574282	-101.9276759	246960.48342019413	4336202.2257	3904.09695066766	3772.490181172684	3731.5096967279495	3722.3288041100394	40.98914838931887	50.170214007875984
79	52	37819	-319461.1413	826057.3170250766	39.13828273545486	-101.925332	247161.6208360963	4336198.185652001	3907.488316862615	3770.6979143781914	3724.7852406210986	3724.690354376669	45.91267375709276	46.00090122262
80	52	37820	-318801.1413	826057.3170250766	39.13830445844601	-101.9230062	247362.75800144701	4336194.115403617	3898.706445239985	3768.873994367256	3720.09085882042	3721.624303963927	48.783108954683485	47.26495783323954
81	52	37821	-318141.1413	826057.3170250766	39.13832613747621	-101.9206804	247563.89489145168	4336190.93008014881	3895.92527185183	3767.025830363862	3717.028928	3719.666231405616	49.9994030010602	47.35995993077463
82	52	37822	-317481.1413	826057.3170250766	39.13834771465405	-101.918345	247765.0315811518	4336185.97237385	3893.140698456363	3765.150889259973	3715.2004041015034	3717.54457058993	49.9994419281391	47.83234197070442
83	52	37823	-316821.1413	826057.3170250766	39.13836923630636	-101.9160787	247965.1679245415	4336181.802112328	3891.298858167275	3764.013359711	3716.474023436251	3719.32836859307	39.21120525652546	41.38973893423896
84	52	37824	-316161.1413	826057.3170250766	39.1383903400777	-101.9137028	248167.3041614439	4336177.831666498	3888.02814704249	3761.306183954177	3713.340810166988	3709.4965141093764	47.96537381745394	51.80956987514128
85	52	37825	-315501.1413	826057.3170250766	39.13841204068836	-101.911377	248368.40407711546	4336173.761396291	3885.547456386109	3759.327308818556	3712.874685788626	3704.853051605204	35.46821808322298	54.7380227665142
86	52	37826	-314841.1413	826057.3170250766	39.1384338645171	-101.9090511	248569.5757343619	4336169.691301694	3883.06460696799	3757.304263642491	3712.309035426679	3698.67827582961	35.468221581195	57.33697611
87	52	37827	-314181.1413	826057.3170250766	39.13845657895454	-101.9067253	248770.7111607033	4336165.621	3880.52206386254	3752.3738759120965	3698.879703040007	3698.879703040007	42.858150394158565	56.3521558762543
88	52	37828	-313521.1413	826057.3170250766	39.13847663241997	-101.9043394	248971.846329075	4336161.551693326	3877.9008631674	3753.105907768614	3712.058474319897	3703.228923435783	41.40736044871697	49.8768431283094
89	52	37829	-312861.1413	826057.3170250766	39.1384979142919	-101.9020736	249172.8612486454	4336157.4820971535	3875.299858167275	3754.013359711	3716.474023436251	3719.32836859307	39.21120525652546	41.38973893423896
90	52	37830	-312201.1413	826057.3170250766	39.13851971796453	-101.8997477	249376.1519756453	4336153.413	3872.6389167704	3752.3738759120965	3713.5569209120717	3715.127836365474	28.176185170785	62.3541371070467
91	52	37831	-311541.1413	826057.3170250766	39.138540456457726	-101.8974129	249575.25034528747	4336149.34362708	3869.123878693013	3746.3732858079	3710.724751103343	3721.416665792237	35.46821747744494	24.95726788562275
92	52	37832	-310881.1413	826057.3170250766	39.13856164129495	-101.895096	249781.3657171857	4336145.24	3864.605591296472	3740.010267829125	3710.54713358175	3725.65525622895	33.46834824094984	43.94474227
93	52	37833	-310221.1413	826057.3170250766	39.13858278121074	-101.8927702	249977.51844416323	4336141.20556197	3860.09159427368	3741.590332879915	3709.7978011643877	3726.3458947540365	31.79253711552883	14.64444325879979
94	52	37834	-309561.1413	826057.3170250766	39.13860387620508	-101.8904443	250178.6521	4336131.18662259	3855.5717981508124	3739.12128468992	3708.9342471032514	3727.485007489962	30.18703736073757	11.6734679432701
95	52	37835	-308901.1413	826057.3170250766	39.13862495275793	-101.8881188	250379.78555051538	4336130.06851894	3850.9898989898989	3736.609095565374	3707.476232321196	3719.6708239198	29.1398323315507	8.900741324464629
96	52	37836	-308241.1413	826057.3170250766	39.1386465142919	-101.8857326	250580.9173941562	4336129.0013071	3846.094961268168	3734.013359711	3716.474023436251	3719.32836859307	39.21120525652546	41.38973893423896
97	52	37837	-307581.1413	826057.3170250766	39.13866766155891	-101.8834667	250782.0516787625	4336124.931847991	3841.289435573815	3731.40861880435	3703.937001981106	3721.77261928925	35.46821747744494	24.95726788562275
98	52	37838	-306921.1413	826057.3170250766	39.13868781	-101.8811409	250983.18437276324	4336120.63962043	3836.44029080533	3728.872548135492	3710.720235313325	3716.450955123216	37.27504604159255	12.37749300327822
99	52	37839	-306261.1413	826057.3170250766	39.13870876735343	-101.878815	251184.31681110553	4336116.79049821	3830.552245715587	3726.0451278600595	3699.231627600252	3712.02897236812	27.0099515043763	13.73868133876036
100	52	37840	-305601.1413	826057.3170250766	39.13872950281818	-101.8764892	251385.4490408655	4336112.72841123	3828.1326328424	3723.92382021301	3696.957252874551	3708.85468738425	26.635129145849897	14.73796434701421
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102	52	37842	-304281.1413	826057.3170250766	39.1387710896238	-101.8718734	251767.71266471717	4336104.59366248	3820.25818404167	3718.26472333451	3705.254093431476	3710.343088259187	27.0099515043763	13.73868133876036
103	52	37843	-303621.1413	826057.3170250766	39.13879281796453	-101.8694892	251968.8612486454	4336103.7989743819	3816.094961268168	3716.474023436251	3719.32836859307	3719.32836859307	39.21120525652546	41.38973893423896
104	52	37844	-302961.1413	826057.3170250766	39.138812355459315	-101.8671857	252189.9753737606	4336100.45821369	3813.2573405495	3714.8601880345	3695.819024978944	3695.819024978944	26.635129145849897	14.73796434701421
105	52	37845	-302301.1413	826057.3170250766	39.13883296531498	-101.8								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKg.ft	SatThkLogs.ft	SatThkBoth.ft	
187	52	37927	-248181.1413	826057.3170250766	39.14036935375841	-101.6741342	268883.0302378517	3435759.515119133	3642.978057826554	3941.9801378757766	3509.2897177214527	3529.873075730523	0
188	52	37928	-247521.1413	826057.3170250766	39.14036622596964	-101.6718032	269084.1145499737	4335756.462009698	3638.15371454802	3479.046225582926	3505.603626758609	3524.222340301287	0
189	52	37929	-246961.1413	826057.3170250766	39.14040335659567	-101.6694822	269681.410587981	3633.448623399125	3485.2001788991025	3501.891286431084	3519.353177930752	3519.353177930752	0
190	52	37930	-246201.1413	826057.3170250766	39.14041983561761	-101.6671653	269846.3634889294	4335747.58889296	3633.53320600616	3483.30398790563	3494.146538812013	3515.21114168533	0
191	52	37931	-245541.1413	826057.3170250766	39.14043657305419	-101.6648303	269687.47417796445	4335743.307	3626.347117443627	3480.404787685055	3494.362396208807	3510.302481633063	0
192	52	37932	-244881.1413	826057.3170250766	39.140453265556846	-101.6625043	269888.5845184006	4335750.25777163	3626.789379451628	3477.502507851139	3490.6182906074535	3505.9802207594926	0
193	52	37933	-244221.1413	826057.3170250766	39.140469913152494	-101.6601783	270089.69849916006	4335735.20443302	3627.231461459428	3474.597088860934	3486.781027555151	3501.304382556701	0
194	52	37934	-243561.1413	826057.3170250766	39.140486515814146	-101.6578524	270090.8046375313	4335731.153264053	3627.673903467293	3471.688556061816	3482.903129005696	3490.18035838739	0
195	52	37935	-242901.1413	826057.3170250766	39.1405031647258074	-101.6555264	270481.91405647587	4335727.02707457	3628.9177754722842	3468.774200614258	3478.986679688491	3501.230973386492	0
196	52	37936	-242241.1413	826057.3170250766	39.14051516936225	-101.6532004	270693.02348494097	4335723.051451258	3624.9631952252666	3465.9642373736434	3475.2323773027908	3466.909241226004	0
197	52	37937	-241581.1413	826057.3170250766	39.14053605424867	-101.6508744	270894.1331142286	4335719.000806899	3623.006635276992	3462.949800979513	3471.3099332987355	3481.02983170379	0
198	52	37938	-240921.1413	826057.3170250766	39.14055247720993	-101.6485484	271095.2421534466	4335714.950337371	3621.0540762301175	3460.0343145203297	3467.403989	3475.777080301321	0
199	52	37939	-240261.1413	826057.3170250766	39.140568855246045	-101.6462225	271296.35096649826	4335710.002046272	3614.751135551447	3457.118748329945	3463.4325750023336	3471.44770030387	0
200	52	37940	-239601.1413	826057.3170250766	39.140585183596944	-101.6438965	271497.49555358894	4335706.849922789	3604.0998136916796	3454.203922677835	3459.4749246718575	3465.827139365112	0
201	52	37941	-238941.1413	826057.3170250766	39.140617545624114	-101.6415705	271688.567	4335702.799977716	3593.4469188191319	3451.289921215766	3455.552111196196	3461.0204535670227	0
202	52	37942	-238281.1413	826057.3170250766	39.140641771981108	-101.6392445	271899.6715057696	4335698.750204535	3582.7971699721475	3448.3767982044014	3451.6883566439	3456.7215403245846	0
203	52	37943	-237621.1413	826057.3170250766	39.14063831814817	-101.6369185	272100.7840611121	4335690.700690963	3577.0648438952684	3445.4646183067077	3447.9111525199514	3452.485762649738	0
204	52	37944	-236961.1413	826057.3170250766	39.14065007155594	-101.6345923	272301.8917	4335680.651189281	3576.2624336012777	3442.53358120624	3444.247014345846	3448.382531304613	0
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213	52	37953	-231021.1413	826057.3170250766	39.14079330599224	-101.6136586	274111.8508164659	4335654.21267462	3526.9635432804007	3416.3414843862874	3416.2580915381795	3422.167515	0
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229	52	37969	-220461.1413	826057.3170250766	39.1410423132313	-101.5764916	277330.612130091	4335589.7242177205	3418.472417829684	3369.52581809363	3367.52581809363	3374.0248141057849	4.71147373446710844
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235	52	37975	-216501.1413	826057.3170250766	39.141129544135384	-101.5624864	278536.1194377458	4335565.25804132	3388.2786409831483	3352.5639898937	3368.6891348494505	3375.528108537083	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBotKrg.ft	SatHtLog.ft	SatHtBot.ft
313	52	38003	-165021.1413	826057.3170250766	39.142411459671834	-101.3810544	294221.3253490736	433250.311	362.626650816864	3201.892112898897	3163.982342	3174.3825546678484	37.90977116992781	27.50958522414928
314	52	38054	-163641.1413	826057.3170250766	39.14215267112892	-101.3787283	294422.4095191238	433526.240	366.766677001013	3201.73324034805	3161.542137106984	3174.3825546678484	40.2314122297821	45.645338591466217
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318	52	38058	-161721.1413	826057.3170250766	39.14219076767525	-101.369424	295236.7417711615	433521.61	321.2690853677	3201.33205840957	3151.2531215111085	3157.9371025078355	50.08629323964852	43.40214878312145
319	52	38059	-161601.1413	826057.3170250766	39.14219639441206	-101.3670979	295427.823718376	433526.13	321.2690853677	3201.229763229513	3149.7169778315425	3149.7169778315425	50.08629323964852	43.40214878312145
320	52	38060	-160401.1413	826057.3170250766	39.14221896378894	-101.3647178	295628.9102956202	433522.10	321.2690853677	3201.116434898475	3148.7028964942	3135.405368693794	52.3955758373558	66.017106565
321	52	38061	-159741.1413	826057.3170250766	39.14223683332625	-101.3624457	295829.8935372425	433522.10	321.2690853677	3201.861712122085	3161.542137106984	3174.3825546678484	52.3955758373558	66.017106565
322	52	38062	-159081.1413	826057.3170250766	39.14224074369208	-101.3601196	296031.0756	433522.10	321.2690853677	3200.8763549536	3148.954168420363	3125.75246168013	51.818675230322	75.1200717494543
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334	52	38074	-151161.1413	826057.3170250766	39.14236745523297	-101.3322025	298444.0507695170	433516.93	321.2690853677	3198.4571035304	3180.9119236871	3180.9119236871	16.9606525628132	0
335	52	38075	-150501.1413	826057.3170250766	39.14237828271895	-101.2996414	298644.0507695170	433516.93	321.2690853677	3198.184012369124	3180.9119236871	3180.9119236871	13.9555312371408	0
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359	52	38099	-134661.1413	826057.3170250766	39.14261498376219	-101.1740539	303470.99083109	433509.73	321.2690853677	3192.9059933809	3180.9119236871	3180.9119236871	13.9555312371408	0
360	52	38100	-134001.1413	826057.3170250766	39.1426198507669	-101.17172								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
438	52	38179	-11861.14133	826057	31.4320028782011	-101.0679633	319566.0403719427	433473.8679840695	321.261280065491	307.619513041554241	3051.602008758387	3051.8440926287976	28.015100579402315	27.77120883
440	52	38180	-11801.14133	826057	31.4320583816777	-101.0685372	31975.463997864	433473.86904353	321.020160805333	307.80542572579953	3048.7624973184725	3048.6204860865953	29.2624983822977	29.430456763359963
441	52	38181	-10981.14133	826057	31.4321343205264	-101.068311	31965.6350989304	433471.810578983	308.72849745681767	306.736858188391	3046.7121872941612	3046.6819400327686	30.721872941612	30.688516400327686
442	52	38182	-79891.14133	826057	31.4321680413256	-101.0809489	320159.58402480616	433473.843363857	320.516229265176	307.4896544801904	3044.215300735091	3043.861795047038	29.64923408322593	31.03474868275877
443	52	38183	-79221.14133	826057	31.4322291970968	-101.0786587	320360.6437377952	433472.835603063	320.51669813054	3073.2944194475476	3043.278367694967	3042.955739686557	30.160301752580062	30.33867970909544
444	52	38184	-78561.14133	826057	31.43227590356595	-101.0763326	320561.703346776	433473.8182751225	320.616182100786	3071.6748273610406	3042.676895	3042.9657346169314	29.8973240638064	29.3118711272662
445	52	38185	-77901.14133	826057	31.43232916073316	-101.0740064	320762.7627349538	433471.82603341	320.41539605541	3070.304535906592	3042.95169374614	3042.70496550152	27.082860166078262	27.26405739017786
446	52	38186	-77241.14133	826057	31.432389169659784	-101.0716802	320963.8219655324	433471.819200034	320.610606262493	3068.399777141726	3043.989339296105	3044.07613201554	24.3408734862131	24.29364464017186
447	52	38187	-76581.14133	826057	31.43243432711695	-101.0693514	321164.8610117168	433471.80578983	320.581204758387	3066.678256041155	3042.6778946415369	3042.791726	24.0007141026691	24.3878813125575
448	52	38188	-75921.14133	826057	31.4324862342056	-101.0670729	321365.3398772103	433470.7783239	320.524157354312	3064.550155	3040.368140855392	3041.43328386453	24.59101476012802	24.54582722905795
449	52	38189	-75261.14133	826057	31.4325379663785	-101.0647018	321566.9858782171	433470.79190173	320.64719888875	3063.20982819504	3037.878113207645	3037.858216699283	25.31315655139405	25.35161821957757
450	52	38190	-74601.14133	826057	31.4325887073356	-101.0623756	321768.0570995003	433469.785319975	320.6401660415192	3061.429271527061	3035.5182642292103	3035.3202813158816	27.010972349765	26.0989902111971
451	52	38191	-73941.14133	826057	31.43258393	-101.0600495	321969.115466034	433468.77842518	319.9353200927626	3059.613481	3032.991133852192	3032.818132471857	26.62224681740554	26.80066748502483
452	52	38192	-73281.14133	826057	31.4326893043576	-101.0577233	322170.173818862	433469.712358057	320.71759391634	3057.777059752	3030.213665565191	3030.129912206701	27.54410494186095	27.6278539305086
453	52	38193	-72621.14133	826057	31.4327390431823	-101.0553292	322371.231616994	433468.76048476	319.2701599194383	3055.86909935627	3027.319729173817	3027.182235521381	28.67776144424584	28.77677144424584
454	52	38194	-71961.14133	826057	31.43277883	-101.053071	322572.2894411525	433468.760471775	319.2285597567616	3053.303084520259	3024.068852206245	3024.030375560898	29.82532321363435	29.89270095860423
455	52	38195	-71301.14133	826057	31.4328370276694	-101.0507448	322773.34709154884	433467.754661947	319.2025171738453	3051.345176879974	3020.7028541650167	3020.729228541650167	32.2227348957196	31.21594867464968
456	52	38196	-70641.14133	826057	31.4328853356045	-101.0484187	322974.0546583064	433467.754661947	319.21999551927	3049.92220750658	3017.3229146200024	3017.4136309463476	32.6023613065541	32.561170431023
457	52	38197	-69981.14133	826057	31.4329332011389	-101.0460926	323175.46187188476	433467.734088861	319.2184190300935	3047.877644676804	3014.0031575278513	3014.178964640806	33.4848734875716	33.6899502352781
458	52	38198	-69321.14133	826057	31.4329806	-101.0437664	323376.519	433467.734088861	319.2184190300935	3045.79463830207	3011.888729593157	3011.157786032993	34.9054877089192	34.6376976625791
459	52	38199	-68661.14133	826057	31.4329705843027	-101.0414402	323577.5075959521	433467.733425162	319.219489834321	3043.684870714457	3008.0628725173087	3008.4308457819817	35.2629055413965	35.25462737326403
460	52	38200	-68001.14133	826057	31.4330174109446	-101.0391141	323778.632442689	433469.732835565	318.573540338516	3041.57506517486	3005.69801481058	3005.69801481058	35.5850456740798	35.568344948749595
461	52	38201	-67341.14133	826057	31.4330714320564	-101.0367479	323993.4088712953	433469.674	318.2266946386873	3039.53714698243065	3004.618376904173	3004.618376904173	36.383005204676	36.383005204676
462	52	38202	-66681.14133	826057	31.4331657892814	-101.0344618	324180.7548952034	433465.718989797	318.562654208105	3037.264657166422	3002.55943320575	3002.8131851966337	37.0292333640652	34.4514719697813
463	52	38203	-66021.14133	826057	31.433211	-101.0321356	324381.8021633695	433467.714595627	3184.368047030834	3035.11159277525	3001.66941699746	3001.939746737922	34.2024032308563	34.317139445
464	52	38204	-65361.14133	826057	31.4332556794032	-101.029095	324582.8582592714	433463.710365256	318.727771770817	3032.95834837939	3001.213443	3001.468169570181	31.72690518863914	31.4901788021477
465	52	38205	-64701.14133	826057	31.4332999505081	-101.0274833	324783.91483179475	433463.70630762	3183.0864938424925	3001.095728375437	3001.2717645264387	3001.2717645264387	29.53127404532522	29.53127404532522
466	52	38206	-64041.14133	826057	31.43334372730886	-101.0251571	324984.969393599	433463.70242864	318.44255945557	3008.668017691	3000.748490366998	3000.748490366998	27.88332623480119	27.72038777167703
467	52	38207	-63381.14133	826057	31.4333971448085	-101.022881	325186.0255176276	433463.69817881	318.2266946386873	3025.83714698243065	3004.618376904173	3004.618376904173	28.67776144424584	28.77677144424584
468	52	38208	-62721.14133	826057	31.43340057987	-101.020548	325387.0697171565	433467.69817881	319.2025171738453	3051.345176879974	3020.7028541650167	3020.729228541650167	27.082860166078262	27.26405739017786
469	52	38209	-62061.14133	826057	31.4334754188704	-101.0181787	325588.1367160233	433463.691880151	317.6351340425265	3032.317019795055	2995.4246113846198	2995.2886930491352	26.892005948578	27.028011583370244
470	52	38210	-61401.14133	826057	31.4334516564712	-101.0158525	325789.191235456	433461.6808811285	317.853935	3020.233611	2993.3579075032253	2993.19489414196024	26.892005948578	27.028011583370244
471	52	38211	-60781.14133	826057	31.43356614175064	-101.0135263	325990.264137453	433461.6808811285	317.853935	3020.233611	2993.3579075032253	2993.19489414196024	26.892005948578	27.028011583370244
472	52	38212	-60081.14133	826057	31.4335972677257	-101.0112002	326191.3006615657	433461.6808811285	317.853935	3020.233611	2993.3579075032253	2993.19489414196024	26.892005948578	27.028011583370244
473	52	38213	-59421.14133	826057	31.4336379443964	-101.008874	326392.5645193111	433460.88066388	316.765163981855	3016.128373836198	2982.191212836886	2981.871362814027	31.5566102109532	31.5566102109532
474	52	38214	-58761.14133	826057	31.433701717623	-101.005479	326593.4088712953	433463.69817881	319.2025171738453	3051.345176879974	3020.7028541650167	3020.729228541650167	27.082860166078262	27.26405739017786
475	52	38215	-58101.14133	826057	31.43377174982326	-101.0024217	326794.4604523966	433467.714595627	3184.368047030834	3035.11159277525	3001.66941699746	3001.939746737922	34.2024032308563	34.317139445
476	52	38216	-57441.14133	826057	31.4337572785796	-101.001895	326995.5180474426	433459.673079525	319.219489834321	3043.684870714457	3008.0628725173087	3008.4308457819817	35.2629055413965	35.25462737326403
477	52	38217	-56781.14133	826057	31.4337961580311	-100.9995964	327196.571953439	433459.673079525	319.219489834321	3043.684870714457	3008.0628725173087	3008.4308457819817	35.2629055413965	35.25462737326403
478	52	38218	-56121.14133	826057	31.433838817766	-100.9972432	327397.6256640758	433458.69279038	315.37921339245677	3047.47682645597	2995.265445260885	2995.139726473051	31.72690518863914	31.4901788021477
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482	52	38222	-53481.14133	826057	31.43398381512245	-100.987398	328201.838194075	433457.6163751935	315.37921339245677	3047.47682645597	2995.265445260885	2995.139726473051	31.72690518863914	31.4901788021477
483	52	38223	-52821.14133	826057	31.434019999331	-100.9856124	328402.8916765524	433456.676088263	314.8514965034044	2995.521613695804	2998.4874745662794	2998.3035862147	37.0292333640652	34.4514719697813
484	52	38224	-52161.14133	826057	31.43405057336482	-100.9838262	328603.3448087975	433456.676088263	314.8514965034044	2995.521613695804	2998.4874745662794	2998.3035862147	37.0292333640652	34.4514719697813
485	52	38225	-51501.14133	826057	31.4340901186579	-100.9809691								

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEveLogKrg.f	BRIEveBothKrg.f	SatThveLogKrg.f	SatThBoth.f	
565	52	38305	1298.858673033514	E26057.3170250766	-10.14345480653766	-10.7948666	344888.6747194173	4324240.171713687	2989.2162849	2925.39676021743	2812.197679541061	2812.5094270704544	87.05628806111326	86.74454053171985
566	52	38306	1298.858673033514	E26057.3170250766	-10.143454859549884	-10.7925404	345089.1744068407	4324236.185062015	2967.463758580368	2898.138022240624	2808.5826502178975	2810.15520120425969	88.5553720425969	87.9820625448966
567	52	38307	1298.858673033514	E26057.3170250766	-10.14345493390818	-10.7902142	345290.7933986893	4324232.1981684	2987.028614784928	2907.0332152185	2807.8107178491385	2808.923294182877	89.21154385131336	88.12154385131336
568	52	38308	1298.858673033514	E26057.3170250766	-10.14345493390818	-10.7878811	345491.79322429845	4324218.21804041	2995.9197788534297	2805.126942102823	2805.36479560902923	89.0551827169064	90.5551827169064	89.0551827169064
569	52	38309	1298.858673033514	E26057.3170250766	-10.14345493390818	-10.7855619	345692.8324072672	4324216.22615131	2999.081732975838	2804.81305949042	2803.6841396461855	2803.975230137456	91.1341663028566	90.8430735249614
570	52	38310	1298.858673033514	E26057.3170250766	-10.14345493390818	-10.7832357	345893.87144000153	4324220.240190577	2996.079458062466	2803.712306913667	2803.0198722682504	2803.942142629257	93.0791322844192	93.0791322844192
571	52	38311	1298.858673033514	E26057.3170250766	-10.1434549467248816	-10.7809995	346094.9103227056	4324216.25440173	2993.765199297264	2802.6230593592	2802.652506750745	2802.952707022448	94.8926980801684	89.6753535141406
572	52	38312	1298.858673033514	E26057.3170250766	-10.14345496761714	-10.7789834	346295.9405555464	4324212.268784732	2992.704780262899	2801.538946330596	2801.712634149285	2801.8727692484214	96.912909156673	91.7125348
573	52	38313	1298.858673033514	E26057.3170250766	-10.14345496761714	-10.7765251	346496.9678389427	4324206.263	2990.425117225356	2800.45811784928	2800.889226836565	2800.68979545498	98.5438951856422	98.5438951856422
574	52	38314	1298.858673033514	E26057.3170250766	-10.1434549108406	-10.773501	346698.0267258044	4324204.28064475	2984.767518141407	2801.107402811102	2800.797959717789	2800.8541133035	98.5698133661613	98.5698133661613
575	52	38315	1298.858673033514	E26057.3170250766	-10.14345496775343	-10.7716049	346899.0643571397	4324201.21965116	2984.5196409330542	2800.88420701556	2800.455452037636	2804.2021271568632	98.7295266779217	84.0819445029205
576	52	38316	1298.858673033514	E26057.3170250766	-10.143454212	-10.7692787	347100.1024923543	4324196.32035645	2984.73396114452035	2800.200321034417	2809.3429708763247	2809.34370454583	77.8573501371101	77.8573501371101
577	52	38317	1298.858673033514	E26057.3170250766	-10.143454110450945	-10.7669525	347301.1404787558	4324194.32278043	2984.73396114452035	2800.200321034417	2809.3429708763247	2809.34370454583	77.8573501371101	77.8573501371101
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579	52	38319	1298.858673033514	E26057.3170250766	-10.1434540615405234	-10.7623002	347703.2160078048	4324184.372478535	2986.2671103964625	2803.37252205331	2828.313272091685	2830.023722901233	55.39115475228374	55.39115475228374
580	52	38320	1298.858673033514	E26057.3170250766	-10.14339402549619	-10.759704	347904.2535494417	4324180.3003258	2985.261956462206	2802.835994674023	2818.204420080047	2819.221194061684	63.6151403873973	63.6151403873973
581	52	38321	1298.858673033514	E26057.3170250766	-10.1433864063632	-10.7574768	348105.2900439046	4324176.40569618	2984.25650299974	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
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583	52	38323	1298.858673033514	E26057.3170250766	-10.14335690614423	-10.7529955	348507.3652872645	4324168.438	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
584	52	38324	1298.858673033514	E26057.3170250766	-10.1433560165201	-10.7506693	348708.4022381897	4324164.45759599	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
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586	52	38326	1298.858673033514	E26057.3170250766	-10.14335040425166	-10.746017	349110.47596874383	4324156.488191624	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
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590	52	38330	1298.858673033514	E26057.3170250766	-10.14332955510147	-10.7367123	349914.620960323	4324140.55706207	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
591	52	38331	1298.858673033514	E26057.3170250766	-10.14332892094317	-10.7343861	350115.658883806	4324136.57409331	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
592	52	38332	1298.858673033514	E26057.3170250766	-10.14332704	-10.7320959	350316.692664963	4324132.5928278	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
593	52	38333	1298.858673033514	E26057.3170250766	-10.14332704	-10.7297386	350517.728949894	4324128.603615834	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
594	52	38334	1298.858673033514	E26057.3170250766	-10.14332704	-10.7274608	350718.760671834	4324124.614571834	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
595	52	38335	1298.858673033514	E26057.3170250766	-10.14332704	-10.7251814	350919.7913027573	4324120.6261516	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
596	52	38336	1298.858673033514	E26057.3170250766	-10.1433214761938	-10.7227553	351120.8342869375	4324116.6655291	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
597	52	38337	1298.858673033514	E26057.3170250766	-10.14331997	-10.7204291	351321.8694	4324112.68240207	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
598	52	38338	1298.858673033514	E26057.3170250766	-10.14331842377884	-10.7181029	351522.9042915956	4324108.70304961	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
599	52	38339	1298.858673033514	E26057.3170250766	-10.14331688	-10.7157768	351723.9395954877	4324104.72207017	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
600	52	38340	1298.858673033514	E26057.3170250766	-10.14331516163307	-10.713466	351924.973728016	4324101.74126339	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
601	52	38341	1298.858673033514	E26057.3170250766	-10.143313508179387	-10.7111724	352126.0081541786	4324096.766877475	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
602	52	38342	1298.858673033514	E26057.3170250766	-10.14331179777825	-10.7087982	352327.0424873855	4324092.78016735	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
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607	52	38347	1298.858673033514	E26057.3170250766	-10.14330274432844	-10.6971828	353313.24540851764	4324072.86003297	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
608	52	38348	1298.858673033514	E26057.3170250766	-10.1433010555546	-10.6949412	353533.24540851764	4324068.00903645	2984.461765927144	2801.726747274433	2808.028081713489	2806.365234046045	68.96825572173	76.35139300693
609	52</													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
69	52	38431	84458.85867307335	826057.3170250766	39.14317800549064	-100.5017699	702018.5476996172	4333739.205280922	2724.635893698975	2710.4613815880252	2648.443421053915	2648.5531871910927	62.07196053411044	61.90806287909802
692	52	38432	85118.85867307335	826057.3170250766	39.14317223335074	-100.4994438	704199.5698378277	4333735.204176039	2726.27486071002	2709.103647131936	2645.9230702548716	2646.0561059791916	63.18079446	63.047759639398794
693	52	38433	85788.85867307335	826057.3170250766	39.14316416239572	-100.4971176	70661.9055105854	4333731.273294826	2727.8194739873789	2709.84611848314	2645.460216543007	2645.688823568153	64.32582530951	64.0686734735997
694	52	38434	86438.85867307335	826057.3170250766	39.14316055	-100.4847915	70821.6140305447	4333721.50584445	2730.53427905547	2706.38211186176	2646.740054113192	2646.0179401179325	65.6461707	65.46827106654304
696	52	38436	87098.85867307335	826057.3170250766	39.14315644735039	-100.4824653	71022.6359027045	4333723.6044488	2732.58585347644	2705.026890777018	2637.753090391892	2637.7619541020254	67.273195880989	67.2648588
696	52	38437	87758.85867307335	826057.3170250766	39.14314869549015	-100.4901392	71223.65744211456	4333731.381676151	2728.43440408967	2703.66741526751	2635.051129447927	2637.6373068017518	68.72343028195482	68.6943305092312
697	52	38438	88418.85867307335	826057.3170250766	39.14314826698902	-100.487813	71424.67925807355	4333731.541472821	2721.14295444113	2702.3804866893803	2633.2991253530714	2633.299147	69.7140133520014	69.70174133520014
698	52	38439	89078.85867307335	826057.3170250766	39.143136656979436	-100.4854869	71625.7007797515	4333711.453	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
699	52	38440	89738.85867307335	826057.3170250766	39.143130570329014	-100.4836167	71827.7435803896	4333703.52509161	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
700	52	38441	90358.85867307335	826057.3170250766	39.14312862238126	-100.4789085	72022.764778807	4333702.56234366	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
702	52	38442	91718.85867307335	826057.3170250766	39.14311200477956	-100.4761823	72429.785447425	433369.59905327	2710.526437133221	2695.5293510667243	2627.7414919701682	2628.00048838239	67.8151356692424	67.52912023
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704	52	38444	93038.85867307335	826057.3170250766	39.143099463126774	-100.47153	72831.827897365	433368.710724695	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
705	52	38445	93698.85867307335	826057.3170250766	39.143091869636	-100.4693209	73032.8477268143	433368.710724695	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
706	52	38446	94358.85867307335	826057.3170250766	39.1430870573902	-100.4668177	73233.8682324627	433367.747818115	2714.138024048903	2690.108128	2619.490170125424	2619.089454894108	70.2396720983214	70.2396720983214
707	52	38447	95018.85867307335	826057.3170250766	39.1430825964569	-100.4645516	73434.888615885	433367.747818115	2714.138024048903	2690.108128	2619.490170125424	2619.089454894108	70.2396720983214	70.2396720983214
708	52	38448	95678.85867307335	826057.3170250766	39.14307737682547	-100.4622255	73637.7786727889	433367.747818115	2714.138024048903	2690.108128	2619.490170125424	2619.089454894108	70.2396720983214	70.2396720983214
709	52	38449	96338.85867307335	826057.3170250766	39.14307226617532	-100.4598993	73836.9290168748	433367.747818115	2714.138024048903	2690.108128	2619.490170125424	2619.089454894108	70.2396720983214	70.2396720983214
710	52	38450	96998.85867307335	826057.3170250766	39.143067336717925	-100.4575732	74037.9403434837	433367.747818115	2714.138024048903	2690.108128	2619.490170125424	2619.089454894108	70.2396720983214	70.2396720983214
711	52	38451	97658.85867307335	826057.3170250766	39.1430640259831	-100.455247	74238.968931447	433369.59905327	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
712	52	38452	98318.85867307335	826057.3170250766	39.14304735524544	-100.4529209	74439.988707778	433369.59905327	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
713	52	38453	98978.85867307335	826057.3170250766	39.14303070329014	-100.4506375	74640.1086114105	433369.59905327	2717.45104949333	2700.9502487121063	2632.383499833699	2632.3857702929417	68.56639872871665	68.5644781619452
714	52	38454	99638.85867307335	826057.3170250766	39.1430237897617	-100.4482586	74842.027894174	433364.052238004	2759.65118220556	2679.009431915904	2641.878963170351	2641.295703242033	72.11651455775	72.11651455775
715	52	38455	100298.85867307335	826057.3170250766	39.143017304678	-100.4459425	75043.047037601	43334.052238004	2759.65118220556	2679.009431915904	2641.878963170351	2641.295703242033	72.11651455775	72.11651455775
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717	52	38457	101618.85867307335	826057.3170250766	39.1430132759503	-100.4412902	75445.0887262186	433363.169373067	2741.2171	2674.863362278217	2635.85752477462	2634.73396628324	73.0108507283605	73.0108507283605
718	52	38458	102278.85867307335	826057.3170250766	39.1430063727714	-100.438941	75646.104925057	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
719	52	38459	102938.85867307335	826057.3170250766	39.1429994022764	-100.4366375	75847.1285719538	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
720	52	38460	103598.85867307335	826057.3170250766	39.1429923	-100.4343118	76048.142279813	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
721	52	38461	104258.85867307335	826057.3170250766	39.14298529674076	-100.431956	76249.161365434	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
722	52	38462	104918.85867307335	826057.3170250766	39.1429781760277	-100.4296595	76450.1399711495	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
723	52	38463	105578.85867307335	826057.3170250766	39.14297011735035	-100.427334	76651.1983947313	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
724	52	38464	106238.85867307335	826057.3170250766	39.142963	-100.425072	76852.2173159575	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
725	52	38465	106898.85867307335	826057.3170250766	39.14295567010435	-100.422881	77053.2345911416	433364.04984482	2741.04052941955	2633.354121	2608.891624	2608.891624	73.0108507283605	73.0108507283605
726	52	38466	107558.85867307335	826057.3170250766	39.14294824753576	-100.420635	77254.254099103	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
727	52	38467	108218.85867307335	826057.3170250766	39.1429419	-100.418208	77455.291017224	433362.209	2732.24765	2734.937599015224	2631.923773952008	2631.923773952008	73.0108507283605	73.0108507283605
728	52	38468	108878.85867307335	826057.3170250766	39.142934512950795	-100.4157027	77656.28895631	433359.621011191	2720.53496298244	2659.02652871209	2630.228706244405	2630.228706244405	73.0108507283605	73.0108507283605
729	52	38469	109538.85867307335	826057.3170250766	39.14292707840484	-100.4133766	77857.3066418115	433359.621011191	2720.53496298244	2659.02652871209	2630.228706244405	2630.228706244405	73.0108507283605	73.0108507283605
730	52	38470	110198.85867307335	826057.3170250766	39.14291958929402	-100.4110564	78058.342704565	433358.64707038	2730.092833917682	2656.156680636236	2601.2053309635044	2601.2053309635044	73.0108507283605	73.0108507283605
731	52	38471	110858.85867307335	826057.3170250766	39.14291207452427	-100.4087243	78259.347817891	433360.736312065	2699.991328366425	2654.79328366425	2600.890171030462	2600.890171030462	73.0108507283605	73.0108507283605
732	52	38472	111518.85867307335	826057.3170250766	39.14290551199056	-100.4063982	78460.3901761426	433367.76808668	2752.523652215324	2657.276964117	2600.78996564949	2600.78996564949	73.0108507283605	73.0108507283605
733	52	38473	112178.85867307335	826057.3170250766	39.142898231763	-100.4040318	78661.3901761426	433367.76808668	2752.523652215324	2657.276964117	2600.78996564949	2600.78996564949	73.0108507283605	73.0108507283605
734	52	38474	112838.85867307335	826057.3170250766	39.142890231763	-100.4017459	78862.39611398	433365.862	2707.6002717801057	2650.369247238564	2601.129062912988	2601.129062912988	73.0108507283605	73.0108507283605
735	52	38475	113498.85867307335	826057.3170250766	39.1428815276076	-100.3994198	79063.0140580141	433364.9043336	2712.052338537	2648.906247092753	2601.499317990671	2601.499317990671	73.0108507283605	73.0108507283605
736	52	38476	114158.85867307335	826057.3170250										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SurfThgLog.ft	SurfBoth.ft
75	35	38557	-320781.1413	826711.3712025076	39.1400516836343	-101.9300117	246763.42348590252	3436407.001881551	3905.5235487677583	373.6281400911016	3736.401511945688	3712.7971065129987	37.22662694532354	60.83103447801295
76	53	38558	-320121.1413	826711.3712025076	39.140073478248986	-101.9278658	24694.5600701278	3364303.50135274	3902.917830400344	3771.88835209417	3728.2719311338446	3716.401511945688	43.61642075812246	56.38019539620474
77	53	38559	-319461.1413	826711.3712025076	39.14009247611228	-101.925859	24716.09820360412	336339.458646482	3904.24932910374	3770.1232582030747	3730.93006085863	3715.781671778878	43.18919751718804	54.3438142448673
80	53	38560	-318801.1413	826711.3712025076	39.140167205367	-101.923034	24736.8631853485	343639.367170284	3881.719630766556	3768.340085099023	3715.781671778878	3716.401511945688	45.6025465300273	51.9384377290099
81	53	38561	-318141.1413	826711.3712025076	39.14013865157297	-101.9207802	247567.9719126858	343639.315951558	3894.786620700188	3766.53142338186	3712.691428259062	3715.788973041961	53.8400013722424	50.7724593462253
82	53	38562	-317481.1413	826711.3712025076	39.14016026170165	-101.9183823	247769.1084015872	343637.244080672	3892.05523093062	3764.696573952076	3710.812712426345	3715.454206200475	53.8400013722424	49.24236775160125
83	53	38563	-316821.1413	826711.3712025076	39.14018175845194	-101.9160564	248770.24463411092	343638.170401617	3889.521369717957	3762.831396717957	3710.1268543251779	3712.69826987167	51.00468012927794	50.0633973938978
84	53	38564	-316161.1413	826711.3712025076	39.140203425098034	-101.9137305	24871.38061891236	343637.910350387	3897.190170778635	3760.831288928259	3708.83088233682	3708.361713818393	51.12600046977274	52.56953547349895
85	53	38565	-315501.1413	826711.3712025076	39.14022490429636	-101.9114046	248732.51635019592	343637.910350387	3898.5876847711662	3759.855444711662	3708.6252134759847	3710.2013968603085	49.36926516707965	55.7684861874462
86	53	38566	-314841.1413	826711.3712025076	39.1402453753395	-101.909078	248745.85183415381	343637.910350387	3882.52046875536	3757.004513412976	3707.20515312976	3697.18736350545	46.7916807706963	59.818572426156
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121	53	38601	-291741.1413	826711.3712025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.	BRIElevBothKgf.	SatThgLogs.ft	SatThgBoth.ft
203	53	38683	-237621.1413	826717.3170250766	39.14244649076012	-01.6369393	272104.8389	3435895.94492414	3561.0068824249415	3446.2566496216716	3446.968106718883	3450.0554946141592	0	0
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239	53	38719	-213861.1413	826717.3170250766	39.1429974234104	-01.5533201	279344.5674360045	3435750.764256429	3461.63783435415	3341.61230941928	3368.68092639273	3376.35757278813	0	0
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241	53	38721	-212541.1413	826717.3170250766	39.143028752306954	-01.5485489	279746.7679565152	3435742.181024562	3459.632203319305	3356.887311288578	3371.154191306116	3380.0265001588	0	0
242	53	38722	-211881.1413	826717.3170250766	39.14304319889858	-01.5462228	279947.8666967479	3435738.138026094	3449.884114995407	3334.090937103985	3360.086222766061	3369.876470262544	0	0
243	53	38723	-211221.1413	826717.3170250766	39.14305780056264	-01.5438967	280148.9655798969	3435734.09520331	3444.759913843462	3331.2597058170024	3357.602138203379	3366.73382262063	0	0
244	53	38724	-210561.1413	826717.3170250766	39.14307196729908	-01.5415706	280350.664241033	3435730.05253262	3438.58135866242	3328.4347816210394	3354.3964307760517	3362.967460413745	0	0
245	53	38725	-209901.1413	826717.3170250766	39.14308619911481	-01.539315	280562.662911481	3435726.2501	3434.04278	3325.11284504478	3350.824899399158	3358.344587700237	0	0
246	53	38726	-209241.1413	826717.3170250766	39.14310053996105	-01.5369105	280746.2610284735	3435721.96771166	3432.000868171994	3322.800963632934	3351.6415860770336	3354.286148041425	0	0
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248	53	38728	-207921.1413	826717.3170250766	39.14312893497522	-01.5322663	281154.456845679	3435713.8824	3412.688918914616	3321.21155836043	3338.7751420979434	3345.07145865335	0	0
249	53	38729	-207261.1413	826717.3170250766	39.1431397607317	-01.5299402	281355.564301355	3435709.641926061	3403.391604622307	3314.4352849110413	3334.967348909364	3340.51698859940	0	0
250	53	38730	-206601.1413	826717.3170250766	39.14315715424337	-01.5276141	281556.6517989917	3435705.80032005	3394.094290408465	3311.66759639232	3330.72060378875	3335.66248323023	0	0
251	53	38731	-205941.1413	826717.3170250766	39.1431761964874	-01.525258	281757.748							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
329	33	38809	-154641.1413	826717.3170250766	39.1441280668386	-131.3435055	297442.678965172	4333387.060991599	3390.9061932715495	3200.933042615675	3164.428602	3215.596604855451	36.14770223510716	0
330	33	38810	-153801.1413	826717.3170250766	39.144138595673344	-131.3415243	297443.7605314281	4333383.037	3391.2780424896297	3200.3815487392026	3167.979313426042	3217.9325589137603	36.20223531740274	0
331	33	38811	-153141.1413	826717.3170250766	39.14414906781837	-131.3391692	297444.8413075017	4333379.009694741	3390.1730314072455	3201.1227412741015	3168.981037	3219.49801133134027	36.25699133134027	0
332	33	38812	-152481.1413	826717.3170250766	39.14415941026252	-131.336872	298045.9216481725	4333374.9826595895	3392.3242505382293	3200.96004800324	3173.9428862575	3211.3017953016004	36.01711637164412	0
333	33	38813	-151821.1413	826717.3170250766	39.1441698780899	-131.3345459	298247.0108319668	4333370.955528644	3392.887776698018	3199.7311399001564	3175.550489363574	3213.156317808759	36.1800553668208	0
334	33	38814	-151161.1413	826717.3170250766	39.14418008185971	-131.3322197	298448.0186341768	4333366.928157353	3393.40713326275	3199.42146832472	3177.606239307647	3213.7640494917	36.0500754282514	0
335	33	38815	-150501.1413	826717.3170250766	39.14419305008075	-131.3298936	298649.1612683804	4333362.901788258	3392.984527460414	3199.2408477074153	3177.769074279943	3213.835317844254	36.14777279472303	0
336	33	38816	-149841.1413	826717.3170250766	39.144200573372004	-131.327674	298850.2416208374	4333358.915719162	3393.437510923194	3198.9799518643226	3177.734282215062	3213.837133345206	36.16072564272639	0
337	33	38817	-149181.1413	826717.3170250766	39.14421075173352	-131.3255143	299051.3269540714	4333354.8497446059	3393.9823784742025	3198.708563824604	3176.661196	3216.068307102924	36.2207203507102924	0
338	33	38818	-148521.1413	826717.3170250766	39.1442208915527	-131.3229151	299252.3997820107	4333350.82428958	3398.342935631297	3198.4266594819	3176.822173267376	3217.895184913252	36.22034890121454	0
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344	33	38824	-144561.1413	826717.3170250766	39.14428074222905	-131.308952	300458.870769687	4333326.6685913	3381.892933	3196.469178195344	3171.797057144509	3197.35316218954	36.27272545184058	0
345	33	38825	-143901.1413	826717.3170250766	39.144290561151735	-131.30632	300659.9486790136	4333322.64362603	3381.96557	3196.095561564099	3171.6087648844286	3194.86027183925	36.24679660480438	0.1236343812855594
346	33	38826	-143241.1413	826717.3170250766	39.14430035314449	-131.3043058	300861.02619327686	4333318.619	3382.038206	3195.769511799295	3173.0826741011078	3194.194000656546	36.226407707891176	0.3792550511414902
347	33	38827	-142581.1413	826717.3170250766	39.14431006	-131.3019797	301062.10631119965	4333314.593961514	3381.930824	3195.3002078195957	3173.0515205691286	3189.360717732045	36.224682750831156	0.541236087914604
348	33	38828	-141921.1413	826717.3170250766	39.14431974834016	-131.2996355	301263.1808233451	4333310.596439054	3381.6342421	3194.87913556945	3173.1697181103675	3194.27159222707205	36.217014746577493	0.7663891286204489
349	33	38829	-141261.1413	826717.3170250766	39.14432938754297	-131.2973273	301464.2578603077	4333306.545	3381.356019	3194.40111875027	3173.4592568812304	3183.962743789454	36.2085054993976664	0.1047738396261781
350	33	38830	-140601.1413	826717.3170250766	39.14433898181598	-131.2950012	301665.3349014504	4333302.520917899	3381.0686162987014	3193.962555695974	3173.9492730696247	3182.402248	36.203382175325373	0.1158034043847177
351	33	38831	-139941.1413	826717.3170250766	39.14434868131586	-131.2926718	301866.7876865851	4333298.469128459	3380.7841933999378	3193.9482730696247	3173.9492730696247	3182.402248	36.203382175325373	0.1158034043847177
352	33	38832	-139281.1413	826717.3170250766	39.14435805357141	-131.2903489	302067.4877190465	4333294.4730918445	3377.911500300471	3193.014211106225	3175.695751437033	3179.548013925275	36.13749673359132	0.1346611718090595
353	33	38833	-138621.1413	826717.3170250766	39.1443675	-131.2880227	302268.5640173027	4333290.49	3374.902557112855	3192.502682754858	3176.1048081579113	3178.11392382705	36.16988116468505	0.138681438837595
354	33	38834	-137961.1413	826717.3170250766	39.1443769067907	-131.285695	302469.640609907	4333286.42566128	3372.49361392529	3191.9717141276574	3172.123131386756	3175.1660935382920	36.18458274009129	0.16056204736668
355	33	38835	-137301.1413	826717.3170250766	39.14438792929245	-131.2833704	302670.719284836	4333282.45966786	3369.623430593919	3191.402733610198	3171.854722469587	3174.871562469587	36.19561008716206	0.19561008716206
356	33	38836	-136641.1413	826717.3170250766	39.1443956032166	-131.2810442	302871.7915929273	4333278.37962143	3366.294767847814	3190.845331	3163.4176018344365	3168.308039897471	36.20482335554351	0.222601212950914
357	33	38837	-135981.1413	826717.3170250766	39.1444053698383	-131.278718	303072.8797055851	4333274.37	3362.9518685658	3190.2487193883	3162.94362795839	3161.56649575839	36.2150793671569	0.2505052988288512
358	33	38838	-135321.1413	826717.3170250766	39.14441411851606	-131.276318	303273.103404297	4333270.337376732	3360.5591897978	3190.58249287777	3164.518267345	3163.787457123296	36.2240371536811	0.275403971536811
359	33	38839	-134661.1413	826717.3170250766	39.1444233308418006	-131.2740657	303475.017424305	4333266.311772295	3356.400221197373	3188.9842163184644	3163.540064093836	3161.365783606314	36.23540522490802	0.276184480153302
360	33	38840	-134001.1413	826717.3170250766	39.14443324338977	-131.2717395	303676.09231477394	4333262.28741903	3353.259042841963	3188.166965138685	3163.5914780172979	3163.511655308193	36.26257844088936	0.3120047121272546
361	33	38841	-133341.1413	826717.3170250766	39.144443553431335	-131.2694133	303877.1607125278	4333258.26480388	3351.178644587	3187.6246021874244	3163.52873108833	3162.5032326079683	36.279587108059146	0.332269075495613
362	33	38842	-132681.1413	826717.3170250766	39.144455008542705	-131.2670872	304078.2415165954	4333254.24	3346.9786612937	3186.907704205493	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
363	33	38843	-132021.1413	826717.3170250766	39.14445961872815	-131.264761	304279.518	4333250.224787631	3344.170803379231	3186.16544033955	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
364	33	38844	-131361.1413	826717.3170250766	39.144469837467	-131.262448	304480.389	4333246.20073863	3341.7021263232	3185.203617378474	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
365	33	38845	-130701.1413	826717.3170250766	39.144477504295246	-131.260108	304681.463874198	4333242.917912281	3339.22962280002	3184.56478236934	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
366	33	38846	-130041.1413	826717.3170250766	39.144487965546	-131.2577825	304882.5316120476	4333238.15777903	3336.790419423343	3183.7730179931614	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
367	33	38847	-129381.1413	826717.3170250766	39.14449651014553	-131.2554563	305083.6111559031	4333234.13666088	3334.00427821292	3182.932591400446	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
368	33	38848	-128721.1413	826717.3170250766	39.1445039567519	-131.2531301	305284.684502112	4333230.11515826	3332.072721724612	3182.064422050983	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
369	33	38849	-128061.1413	826717.3170250766	39.14451572627453	-131.2508309	305485.756991706	4333226.09446515	3330.10527679371	3181.1770082848	3162.80760936456	3162.70170947865347	36.283391387726574	0.340339136776574
370	33	38850	-127401.1413	826717.3170250766	39.14452515194532	-131.248478	305686.830639557	4333222.07346645	3328.1380195312513	3180.210205975405	3173.845647289724	3162.70170947865347	36.283391387726574	0.340339136776574
371	33	38851	-126741.1413	826717.3170250766	39.144535194532	-131.246178	305887.9438217815	4333218.390543434	3326.19054380578	3179.263846918054	3173.845647289724	3162.70170947865347	36.283391387726574	0.340339136776574
372	33	38852	-126081.1413	826717.3170250766	39.1445386884905	-131.2438254	306068.976006016	4333214.3370329193	3324.910531928797	3178.186328320264	3173.845647289724	3162.70170947865347	36.283391387726574	0.340339136776574
373	33	38853	-125421.1413	826717.3170250766	39.14454724936815	-131.2414992	306290.048036112	4333210.02869551	3323.741568257104	3177.238878077913	3173.845647289724	3162.70170947865347	36.283391387726574	0.340339

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtBothKrg.ft
453	58	38935	-71301.14133	82671.7172052676	39.1450963181929	-11.0507511	32277.356335532	343480.94836212	3191.8334576599035	3001.887248986686	3018.970116335132	3018.987611537867	32.9993666535365
456	53	38936	-70641.14133	82671.7172052676	39.14510117342546	-11.0484249	322978.4136306722	343487.6136306722	3192.031291145556	3004.86704307133	3015.515824324494	3015.5303972	34.2612926468379
457	53	38937	-69861.14133	82671.7172052676	39.14510369100175	-11.0496987	323179.4707542384	343487.9274382817	3192.230246166075	3004.726812632776	3012.12623683232	3012.12791999165	35.507349388499
458	53	38938	-67023.14133	82671.7172052676	39.1451107	-11.0437725	323380.527047765	343483.91990072	3192.428643	3045.60116411347	3008.815728984497	3008.815728984497	36.86528743318604
459	53	38939	-68661.14133	82671.7172052676	39.14511530665474	-11.0414462	323581.584823277	343486.9267074	3191.309423	3043.547127368783	3005.7715342220337	3005.7715342220337	37.5352051917876
460	53	38940	-68340.14133	82671.7172052676	39.14512120053771	-11.03912	323762.6118712059	343483.91990072	3187.8752616608	3041.39154559194	3003.234164	3003.234164	37.9331263156309
461	53	38941	-67341.14133	82671.7172052676	39.145124657486456	-11.0367938	323983.696195621	343485.917671465	3186.43549996960	3039.22078817681	3001.342536315547	3001.342536315547	37.6642658175977
462	53	38942	-66681.14133	82671.7172052676	39.1451292195367	-11.0344678	324184.753899614	343485.917671465	3187.04032218719	3007.04032218719	3000.09632300073	3000.09632300073	37.71566263976456
463	53	38943	-66021.14133	82671.7172052676	39.1451337658939	-11.0321414	324585.8098675217	343485.917671465	3187.04032218719	3007.04032218719	3000.09632300073	3000.09632300073	37.81171225841755
464	53	38944	-65361.14133	82671.7172052676	39.14513821	-11.0298152	324986.969835457	343484.02094329	3187.0389052039	3032.675991051253	2998.897038577989	2998.897038577989	37.899532
465	53	38945	-64071.14133	82671.7172052676	39.1451396256626	-11.027489	324787.921678591	343480.89676308	3179.958212214285	3030.4991700022877	2998.6103688317	2998.6103688317	37.670963288938
466	53	38946	-64041.14133	82671.7172052676	39.14514078257376	-11.0251627	324988.9772006739	343483.94907718	3178.821751827998	3028.3309182625194	2998.291822747758	2998.291822747758	37.69188011829122
467	53	38947	-63381.14133	82671.7172052676	39.14513535561694	-11.0228365	325190.0326021943	343483.89082376	3176.1744954093415	2997.4786674253048	2997.4786674253048	2997.4786674253048	37.724978184637204
468	53	38948	-62721.14133	82671.7172052676	39.14515560480498	-11.0205103	325391.0873622656	343483.881118979	3175.702600161521	2996.4203583125698	2996.2211440576158	2996.2211440576158	37.75939870829197
469	53	38949	-62061.14133	82671.7172052676	39.14515989554142	-11.0181841	325592.1429921688	343484.884	3174.123532	3021.3073403011776	2994.696124253344	2994.696124253344	37.823992313862447
470	53	38950	-61401.14133	82671.7172052676	39.1451641	-11.0158579	325793.19778103475	343482.88021994	3172.483508253541	3019.8026433052151	2992.620176932475	2992.620176932475	37.8924697720333
471	53	38951	-60741.14133	82671.7172052676	39.14516826	-11.0135317	325994.254994222	343481.677028483	3170.24740402385	3177.722683	2990.318609617939	2990.318609617939	37.9682231334912
472	53	38952	-60081.14133	82671.7172052676	39.14517327	-11.0112054	326195.307407387	343481.677028483	3167.42557	3015.66841711464	2986.85115715664	2986.85115715664	37.102717760764
473	53	38953	-59421.14133	82671.7172052676	39.1451764321141	-11.0088792	326396.3614558855	343480.871166132	3164.603735555143	3013.6404847982094	2982.4944398037724	2982.4944398037724	37.1454341478526
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475	53	38955	-58101.14133	82671.7172052676	39.14518443695968	-11.0042268	326798.49647230516	343480.86999427	3158.6956048410264	3009.6665048410264	2975.425605033177	2975.425605033177	37.2139437708564
476	53	38956	-57441.14133	82671.7172052676	39.14518839926204	-11.001906	326998.52534138147	343480.86999427	3155.3450291798557	3007.6611328129758	2973.2963713813618	2973.2963713813618	37.24117657797758
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480	53	38960	-54801.14133	82671.7172052676	39.14520365251681	-11.0029597	327803.7373272448	343478.86960413	3147.297975086152	3000.24560269899	2945.2211358965126	2945.2211358965126	37.36407581706261
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497	53	38977	-43581.14133	82671.7172052676	39.1452619726197	-11.0037907	331242.6662034506	343478.865222015	3086.39856205907	2971.03271999047	2930.04067730132	2930.04067730132	37.87407581706261
498	53	38978	-42921.14133	82671.7172052676	39.145264662722036	-11.0034835	331623.716231572	343478.865222015	3084.98205871199	2968.57034831168	2988.0243757193743	2988.0243757193743	37.90407581706261
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501	53	38981	-40941.14133	82671.7172052676	39.14527485629131	-11.0041148	332226.8642941874	343478.8639052052	3081.279555509436	2965.200649176097	2982.261320627322	2982.261320627322	37.99407581706261
502	53	38982	-40281.14133	82671.7172052676	39.14527876708851	-11.0033628	332427.416008756	343478.8639052052	3079.88948198298	2963.89849327241	2986.34462581584	2986.34462581584	38.02407581706261
503	53	38983	-39621.14133	82671.7172052676	39.1452819726197	-11.0035764	332628.964009322	343478.8670098	3078.96474	2962.457095165745	2979.2725637028		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
581	53	39061	11858.85867303351	826711.710250766	39.14535128683792	-100.7576468	348109.2775896414	4343377.57950688	2940.097885849295	2881.887937596588	2802.9011201523545	2803.9297614664652	78.98681744423357	78.55817613012277
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583	53	39063	13178.85867303351	826711.710250766	39.14534398029986	-100.7568637	348611.3617620042	4343489.618200152	2897.54054071244127	2897.54054071244127	2897.54054071244127	2897.54054071244127	81.12296153827697	81.90115357209083
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609	53	39089	30338.85867303351	826711.710250766	39.1453111968128	-100.6925814	353738.25845697943	4343266.68161029	2969.549185674748	2839.265763816336	2761.565018196776	2761.565018196776	77.66546724857987	77.66546724857987
610	53	39090	30998.85867303351	826711.710250766	39.1453091692	-100.6901862	353939.25091213	4343262.81547588	2969.549185674748	2839.265763816336	2761.565018196776	2761.565018196776	75.1797303052097	75.1797303052097
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619	53	39099	36938.85867303351	826711.710250766	39.14529281744885	-100.6692501	355748.5842231532	4343226.30703344	2940.25607678597	2820.15566214218	2763.432399121	2763.432399121	72.679672591569	72.679672591569
620	53	39100	37598.85867303351	826711.710250766	39.1452910338659	-100.6669239	355948.6182640617	4343222.329517265	2939.58422402898	2818.246509595834	2762.128793038147	2768.097167941907	76.11629061976873	76.11629061976873
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622	53	39102	38918.85867303351	826711.710250766	39.145287402001693	-100.6622719	356351.6786137244	4343214.218811822	2938.73960596177	2814.448132648782	2768.1268068071143	2768.1268068071143	65.26572646	65.26572646
623	53	39103	39578.85867303351	826711.710250766	39.1452854981964	-100.6600288	356552.7719898454	4343208.19686164	2937.8176899994	2813.421943056407	2767.790882015595	2767.790882015595	63.020761589574	63.020761589574
624	53	39104	40238.85867303351	826711.710250766	39.14527730186059	-100.657619	356753.73186059	4343206.41168979	2936.739610962634	2810.688638120478	2764.39786714319	2764.3		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
93	54	39313	-130221.1413	72737.7	310250766	39.142207723507505	-01.8928244	249985.66833131216	34356343.744866596	3864.2652232737314	3714.15909768365677	3732.956172349619	32.62139068982142	8.0202955619948625
94	54	39314	-30561.1413	72737.7	310250766	39.14222891957049	-01.8904884	250186.80164553292	336536.975505809	3860.036451873552	3738.667400732954	3732.0976515462404	30.250398110572405	6.5694491867134472
95	54	39315	-30891.1413	72737.7	310250766	39.14224970703977	-01.8881724	250387.83471240767	336536.969687675	3866.308216611324	3738.127384027634	3738.0622370334845	28.96482703310394	8.76163000878658
96	54	39316	-30821.14021	72737.7	310250766	39.14227097652504	-01.8858465	250589.07343519627	336535.073516334	3733.546687	3707.00341060257	3733.2994520071256	26.5294520438295	10.2947435114172
97	54	39317	-307681.1413	72737.7	310250766	39.14229193821677	-01.8835205	250790.2001044661	336527.469	3849.83246684984	3732.830506629717	3704.8752013111816	37.88693145155623	26.05729931835357
98	54	39318	-306921.1413	72737.7	310250766	39.1423128548447	-01.8811945	250991.3324011934	336530.240562071	3728.2909739187265	3702.261245190083	37.11666173752363	26.02972878645296	11.04581121454936
99	54	39319	-306261.1413	72737.7	310250766	39.142333726028234	-01.8788685	251192.4645091287	336519.323264952	3843.124423	3725.627246439637	37.11903453063377	26.1911080890474	13.73282186758434
100	54	39320	-305601.1413	72737.7	310250766	39.1423555	-01.8765426	251383.59634169834	336515.26414373	3830.4219880743412	3722.946293143542	3696.2374271871696	30.731211299679525	17.31611299679525
101	54	39321	-304941.1413	72737.7	310250766	39.14237553414378	-01.8742166	251584.779422680278	336511.196	3838.7195425869635	3720.2556903159257	3698.677355729259	26.698561171454865	26.698561171454865
102	54	39322	-304281.1413	72737.7	310250766	39.14239607	-01.8718906	251795.65502634053	336507.12842930	3832.017057545587	3717.5572074254304	3691.557447022143	26.96015002278149	22.63275394389876
103	54	39323	-303621.1413	72737.7	310250766	39.14241676	-01.8695646	251996.9063282283	336503.06035519	3828.779073557331	3714.847498617524	3689.85836351683	26.9298330044856	22.04410321265823
104	54	39324	-302961.1413	72737.7	310250766	39.14243740938661	-01.8672386	252198.1211168574	336498.93	3826.0054760601984	3712.12908633292	3688.443386027887	26.88852056600331	22.29852942163734
105	54	39325	-302301.1413	72737.7	310250766	39.14245801128955	-01.8649126	252399.2518113472	336494.926	3823.21847643067	3709.4046702929254	3686.9562568175	26.83934750171649	20.7479515715683
106	54	39326	-301641.1413	72737.7	310250766	39.14247856261076	-01.8625866	252600.382173472	336490.591102585	3820.452648659353	3706.67115306968	3684.970543709875	26.70669098076114	18.49964781
107	54	39327	-300981.1413	72737.7	310250766	39.14249900311936	-01.8602607	252801.5122968507	336486.792	3817.650010102574	3703.948991200321	3681.85315142224	26.65959686808738	19.272307781461222
108	54	39328	-300321.1413	72737.7	310250766	39.14251954743535	-01.8574307	253002.64215504474	336482.725506981	3814.6721038929838	3701.2118931621283	3677.046840676043	26.57224806671187	23.43510562033616
109	54	39329	-299661.1413	72737.7	310250766	39.14253967	-01.8550687	253203.7717788466	336478.6869772	3811.73918763398	3698.469981642926	3671.527914513725	26.52947030556574	26.52947030556574
110	54	39330	-299001.1413	72737.7	310250766	39.14256035	-01.8532827	253404.9011583326	336474.59205305	3806.806291473802	3695.73232606586	3666.2590325022498	26.92687825152141	29.52212323565107
111	54	39331	-298341.1413	72737.7	310250766	39.14258067727221	-01.8509567	253606.0302936022	336470.526418675	3807.4927071559923	3661.02082963385	3661.7424335114792	26.93196495190566	30.1723440876498
112	54	39332	-297681.1413	72737.7	310250766	39.14260096701727	-01.8486307	253807.1591848907	336466.406407785	3807.7984447296646	3660.3561918241617	3659.7779670174905	26.866575454427046	30.57822406671187
113	54	39333	-297021.1413	72737.7	310250766	39.1426212092058	-01.8463047	254080.2873240224	336462.395	3808.10418293396	3667.660189313276	3660.842479249289	26.8473677672839	26.8473677672839
114	54	39334	-296361.1413	72737.7	310250766	39.142641406755955	-01.8435877	254208.41623234496	336458.228913738	3806.9536280877977	3664.9753628087797	3667.2685717712191	26.88806450815443	30.763059403683934
115	54	39335	-295701.1413	72737.7	310250766	39.14266145841456	-01.8411414	254508.15458514555	336454.0283423236	3804.4283423236	3664.9753628087797	3667.2685717712191	26.88806450815443	30.763059403683934
116	54	39336	-295041.1413	72737.7	310250766	39.14268167172404	-01.8393527	254611.67213424106	336450.18122834	3803.6320430596783	3679.434241230037	3665.026136966534	26.85707938674616	30.763059403683934
117	54	39337	-294381.1413	72737.7	310250766	39.14270172998868	-01.8370007	254812.8000878408	336446.132899058	3807.663708713855	3676.999128933023	3662.529035275046	26.867296843692025	30.763059403683934
118	54	39338	-293721.1413	72737.7	310250766	39.14272175	-01.8346747	255013.9275024968	336442.06803391	3807.340076715982	3674.369172465377	3660.4862067996603	26.862972767	30.763059403683934
119	54	39339	-293061.1413	72737.7	310250766	39.142741720827196	-01.8323487	255215.0547096655	336440.03325205	3804.4715720091913	3671.753095979308	3658.91496493541	26.86748717899475	30.763059403683934
120	54	39340	-292401.1413	72737.7	310250766	39.14276164885938	-01.8300227	255416.1856495267	336433.9384498	3798.161945810138	3669.150684444455	3657.488230713715	26.86748717899475	30.763059403683934
121	54	39341	-291741.1413	72737.7	310250766	39.1427815186679	-01.8278167	255617.3086118603	336425.8742188525	3796.860871752638	3666.561067163816	3656.94968163816	26.86748717899475	30.763059403683934
122	54	39342	-291081.1413	72737.7	310250766	39.14280137014934	-01.8255707	255818.4292349468	336418.93269598	3795.454977745934	3663.954977745934	3653.954977745934	26.86748717899475	30.763059403683934
123	54	39343	-290421.1413	72737.7	310250766	39.14282163407085	-01.8230447	256019.5160449842	336421.746	3781.525814625631	3661.4717825017737	3651.018495428883	26.8605825888895	30.763059403683934
124	54	39344	-289761.1413	72737.7	310250766	39.142842091173991	-01.8207186	256220.6870245072	336417.681988457	3772.7272285574	3658.836302504315	3646.804717131619	26.8594376889476	30.763059403683934
125	54	39345	-289101.1413	72737.7	310250766	39.14286061514782	-01.8183926	256421.8127627038	336413.618262815	3764.018240858767	3656.32040458174	3642.512909864721	26.833905568791375	30.763059403683934
126	54	39346	-288441.1413	72737.7	310250766	39.1428807363076	-01.8160666	256622.93825979473	336409.554712065	3755.264385	3653.788255319873	3638.5873958157413	26.81054900601967	30.763059403683934
127	54	39347	-287781.1413	72737.7	310250766	39.14289897618899	-01.8137408	256824.6535158904	336405.491338722	3746.95019169418	3651.2663419913495	3634.1670177334156	26.81054900601967	30.763059403683934
128	54	39348	-287121.1413	72737.7	310250766	39.14291945851215	-01.8114144	257025.1885145455	336401.428140255	3738.1056456612	3646.753922812175	3631.04585720446	26.81054900601967	30.763059403683934
129	54	39349	-286461.1413	72737.7	310250766	39.1429389759269	-01.8090886	257226.3163944586	336397.365117503	3731.251092122948	3646.250404851928	3628.137527087856	26.81054900601967	30.763059403683934
130	54	39350	-285801.1413	72737.7	310250766	39.1429584	-01.8067625	257427.43784115353	336393.30270456	3723.396539	3643.754834281866	3625.5110302595535	26.807089579997594	30.763059403683934
131	54	39351	-285141.1413	72737.7	310250766	39.14297788216965	-01.8044365	257628.6251357661	336389.23969917	3719.11647022318	3641.760047922592	3623.248275919947	26.807089579997594	30.763059403683934
132	54	39352	-284481.1413	72737.7	310250766	39.14299781110203	-01.8021105	257829.6819049624	336385.177	3718.41088991022	3638.783025047218	3619.275801735836	26.807089579997594	30.763059403683934
133	54	39353	-283821.1413	72737.7	310250766	39.143016625109205	-01.7997745	258030.8100555545	336381.11478349	3717.703572925926	3617.703572925926	3617.703572925926	26.807089579997594	30.763059403683934
134	54	39354	-283161.1413	72737.7	310250766	39.143035924179035	-01.7974485	258231.93358113917	336377.05539181	3716.99724524879	3615.93059623478	3616.0879758134975	26.807089579997594	30.763059403683934
135	54	39355	-282501.1413	72737.7	310250766	39.143055247817875	-01.7951845	258432.9659176812	336373.07403456	3716.0879758134975	3615.93059623478	3616.0879758134975	26.807089579997594	30.763059403683934
136	54	39356	-281841.1413	72737.7	310250766	39.1430743579105	-01.7928084	258634.1800171696	336369.8877594	3715.93682747156	3628.88117330784	3615.93682747156	26.807089579997594	30.763059403683934
137	54	39357	-281181.1413	72737.7	310250766	39.14309351884824	-01.7904804	258835.30287311875	336364.8672602785	3716.9981490481	3626.471251554462	3612.7333865038	26.807089579997594	30.763059403683934
138	54	39358	-280521.1413	72737.7	310250766	39.14311267126532	-01.7881544	259036.4524938692	336360.850818632	3716.656767061567	3614.32732161354	3612.7333865038	26.807089579997594	30.763059403683934
139	54	39359	-279861.1413	72737.7	310250766	39.14313174572036	-01.7858283	259237.5478174173	336356.74452618	3716.04746405838	3612.7333865038	3612.7333865038	26.807089579997594	30.763059403683934
140	54	39360	-279201.1413	72737.7	310250766									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatTKBoth.ft
19	54	39439	-227061.1413	227377.3170250766	39.14451214067961	-101.5997423	275326.58418215893	336032.411725025	3465.02615252621	3401.1084986	3394.358106466994	3408.628063730986	6.75037937507136
220	54	39440	-226401.1413	227377.3170250766	39.14452767006213	-101.5974162	275927.587905057164	336032.466246564	3460.889176514432	3398.2454773499826	3392.777539170065	3404.23932113832616	5.467938172976119
221	54	39441	-226181.1413	227377.3170250766	39.1445429661887	-101.58869	276128.7914317689	336032.471771613	3456.722455466234	3395.36473486204	3393.3814482014	3410.42813035437261	4.251120355437261
222	54	39442	-225081.1413	227377.3170250766	39.14455631204283	-101.5927639	275929.89473628043	336027.210626184	3452.615230480055	3392.52633860075	3390.26455898676	3392.928460260277	2.2617827131985643
223	54	39443	-224421.1413	227377.3170250766	39.14457361264097	-101.5904378	276130.9978195545	336036.2245255085	3448.617827550762	3389.6693791631383	3388.4148435554157	3404.242438	1.245366077225733
224	54	39444	-223761.1413	227377.3170250766	39.14458887	-101.5881117	276332.10068179796	33616.27862861	3444.7599565643635	3386.8123902120356	3386.358560322857	3404.648081942795	0.4532860197498989
225	54	39445	-223101.1413	227377.3170250766	39.14460407905261	-101.5857856	276533.20332321327	336008.131975998	3440.9021637779642	3383.95453883736	3384.4561843257336	3403.216923452683	0
226	54	39446	-222421.1413	227377.3170250766	39.1446194486605	-101.5834594	276733.30537440057	336004.0896377	3437.044331891566	3381.0986748504013	3382.765551174694	3400.921745215006	0
227	54	39447	-221781.1413	227377.3170250766	39.14463486575122	-101.5813533	276935.4079448316	336000.040128675	3436.24966777657	3378.2421612762737	3381.488691384192	3396.2265261570057	0
228	54	39448	-221211.1413	227377.3170250766	39.14464941710809	-101.5788072	277136.5092454524	335996.944647378	3435.516054395238	3375.2862405917385	3380.793723702703	3392.467159	0
229	54	39449	-220641.1413	227377.3170250766	39.1446742733664	-101.5764811	277337.6116847013	335991.94877184	3435.7831400948185	3372.303392179716	3379.979341	3389.1716072408376	0
230	54	39450	-219801.1413	227377.3170250766	39.14467945883682	-101.5741549	277538.7132	335987.903664982	3436.0502295733994	3369.6753248926854	3378.140622889464	3385.0606292997044	0
231	54	39451	-219141.1413	227377.3170250766	39.14469440000588	-101.5718288	277739.8145	335983.85827762	3441.025061816095	3366.8214037406005	3376.3866608007107	3385.48739016066	0
232	54	39452	-218481.1413	227377.3170250766	39.1447092625196	-101.569027	277940.9156471706	335983.85827762	3450.699969794487	3363.9689697151566	3375.19997	3382.23494071647	0
233	54	39453	-217821.1413	227377.3170250766	39.14472414756689	-101.5671765	278142.0162593432	335979.78787258	3460.3774325772874	3361.171709484857	3374.6840670584557	3386.2104840362806	0
234	54	39454	-217161.1413	227377.3170250766	39.14473895383315	-101.5648054	278343.1711925534	335971.72416935	3470.054895775127	3358.2677928339165	3374.3882269044007	3386.55220150486	0
235	54	39455	-216501.1413	227377.3170250766	39.14475371541124	-101.5623243	278544.21763849356	335967.6729782804	3475.046265188242	3355.4199910618413	3374.142456533725	3384.626867703076	0
236	54	39456	-215841.1413	227377.3170250766	39.14475841394067	-101.5601181	278745.3176827815	335963.63456208	3475.351406116327	3352.571882265227	3373.592281539136	3383.782242748273	0
237	54	39457	-215181.1413	227377.3170250766	39.14478310354149	-101.557872	278946.4178072487	335959.591378748	3475.6568164450237	3349.7355210574563	3372.8109556453055	3382.576351	0
238	54	39458	-214521.1413	227377.3170250766	39.14479373021377	-101.5555459	279147.5176595526	335955.547466228	3475.9620920734146	3346.897457083917	3371.704185318814	3381.05013832968	0
239	54	39459	-213861.1413	227377.3170250766	39.14481231195739	-101.5532197	279348.617208972	335951.503728628	3468.77033052628	3344.062113626014	3370.274603076472	3378.922363739326	0
240	54	39460	-213201.1413	227377.3170250766	39.14482684877241	-101.5508396	279549.7165844589	335947.460165955	3466.7716407436374	3341.229607677982	3367.57584678535	3378.115662514673	0
241	54	39461	-212581.1413	227377.3170250766	39.14484234860216	-101.5484166	279750.8129447725	335943.116738193	3464.82098447725	3338.149684750798	3363.118287259686	3375.118287259686	0
242	54	39462	-211981.1413	227377.3170250766	39.14485578761539	-101.5462413	279951.9134822113	335939.33565334	3458.980552183417	3335.5740223329067	3362.735287	3373.292820341454	0
243	54	39463	-211221.1413	227377.3170250766	39.144870189645296	-101.5439152	280153.013407754	335933.30523774	3453.7485822429526	3332.750968182637	3360.59061558931	3370.0803703883	0
244	54	39464	-210561.1413	227377.3170250766	39.1448854674546	-101.541589	280354.1118253497	335931.287664304	3448.17942954822	3329.9317461692617	3357.8436094016984	3366.64597945796	0
245	54	39465	-209901.1413	227377.3170250766	39.14489885892394	-101.5396269	280555.210932467	335927.244974106	3442.610275866916	3327.117562377354	3354.523979946045	3363.14563898338	0
246	54	39466	-209241.1413	227377.3170250766	39.14491312616648	-101.5369367	280765.3082	335923.202460794	3437.041122675857	3324.3123947385657	3351.447425187124	3359.18900752618	0
247	54	39467	-208681.1413	227377.3170250766	39.1449273484860216	-101.5346166	280967.4067865074	335918.144871316	3435.178144871316	3320.68903245225	3348.624843006498	3362.723684054006	0
248	54	39468	-207921.1413	227377.3170250766	39.14493258651987	-101.5322845	281158.039865763	335917.17058772	3432.1593564774	3318.72395048101	3345.636951907913	3345.636951907913	0
249	54	39469	-207261.1413	227377.3170250766	39.14495565832106	-101.5299653	281359.6011015909	335911.057907041	3432.6823438536412	3315.9678960330924	3342.07601108499	3347.529795484054	0
250	54	39470	-206601.1413	227377.3170250766	39.144969745848115	-101.5276322	281560.68288892	335907.034156157	3404.05265373181	3313.192958270723	3338.667799532121	3338.667799532121	0
251	54	39471	-205941.1413	227377.3170250766	39.14498378846227	-101.525306	281761.79526070587	335902.992571116	3403.726786060169	3310.44072057813	3335.440009579006	3339.754152529287	0
252	54	39472	-205281.1413	227377.3170250766	39.1449797611544	-101.5229799	281962.890172138	335889.951052094	3411.704690443773	3307.7025761594855	3332.681858474122	3336.3514167633206	0
253	54	39473	-204621.1413	227377.3170250766	39.14501173885594	-101.5206357	282163.9858585198	335884.509763514	3419.6828028859586	3304.97863	3330.48995398692	3333.5897279824294	0
254	54	39474	-203961.1413	227377.3170250766	39.1450254966677	-101.5183276	282365.084851015	335880.8684945	3427.605101177934	3306.459043299267	3328.054531189098	3332.054531189098	0
255	54	39475	-203301.1413	227377.3170250766	39.14503959548866	-101.5161014	282566.1809970265	335879.70279182	3426.5430679513	3299.578622781613	3326.561309067266	3325.561309067266	0
256	54	39476	-202641.1413	227377.3170250766	39.14505332750191	-101.5138753	282767.27694379	335882.78694422	3416.2142419549436	3296.905037908235	3328.9229509331994	3330.139672890488	0
257	54	39477	-201981.1413	227377.3170250766	39.14506710052587	-101.5113491	282968.327574721	335878.76345058	3405.9420933237953	3294.274534388975	3328.196178652169	3328.196178652169	0
258	54	39478	-201321.1413	227377.3170250766	39.145080826620685	-101.509023	283169.486465005	335874.70538679	3395.63394513006	3291.6079584086574	3328.589024124025	3330.20362232958	0
259	54	39479	-200661.1413	227377.3170250766	39.14509451178637	-101.506968	283370.563301664	335872.766569801	3392.796920585493	3288.964591424184	3328.548038219405	3327.25116892386	0
260	54	39480	-200001.1413	227377.3170250766	39.14510810022885	-101.5043707	283571.65834317164	335869.653522525	3390.4713021670436	3286.326655180193	3327.31950918500712	3327.31950918500712	0
261	54	39481	-199341.1413	227377.3170250766	39.14512238461615	-101.502185	283774.7913824214	335867.4385741196	3402.00284741196	3283.79713924764	3318.7336323272	3325.7336323272	0
262	54	39482	-198681.1413	227377.3170250766	39.14513529170827	-101.4997183	283977.847760287	335865.546024891	3398.64523693432	3281.30065	3306.870164274812	3304.81762724086	0
263	54	39483	-198021.1413	227377.3170250766	39.145148759157105	-101.4973922	284174.9421877875	335854.50643833	3405.826972244456	3278.6815934020406	3299.72803739546	3295.665708082296	0
264	54	39484	-197361.1413	227377.3170250766	39.14516225367665	-101.495066	284376.6376770807	335850.467116526	3399.571743284444	3276.1671224788	3292.919737384495	3288.4098593815987	0
265	54	39485	-196701.1413	227377.3170250766	39.1451766726689	-101.4927399	284577.13035299385	335846.474922449	3393.317389340543	3273.64156438632	3286.63581828354	3283.028441761943	0
266	54	39486	-196041.1413	227377.3170250766	39.145198903527835	-101.4904137	284778.2241166483	335842.388907103	3387.063035964417	3271.1452750444673	3280.63050106985	3276.7367741718766	0
267	54	39487	-195381.1413	227377.3170250766	39.145213585109815	-101.4886875	284979.3176894895	335838.58364477	3385.846785535943	3268.683955101457	3274.685346782556	3272.362485057647	0
268	54	39488	-194721.1413	227377.3170250766	39.1452361615	-101.4857514	285184.011008030	335834.31296532	3383.633011564195	3266.188245257133	3268.00560334402	3270.145695	0
269	54	39489	-194061.1413	227377.3170250766	39.1452587233442	-101.4834352	285381.5013568586	335830.273355335	3383.41128238663</				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtKgr.f
343	54	39665	-143901.1413	82737.37170250766	39.14610318417164	-101.3066446	30686.97785418667	4335523.858032902	3827.013173	3176.9883843267387	3172.19676404437213	3196.1226360301566	3172.70823274821037	3181.62027234821037
346	54	39666	-143201.1413	82737.37170250766	39.14611256571201	-101.3043181	30686.05526789135	4335519.783646049	3386.9369313123498	3196.5521234897233	3172.099441165438	3193.9131397397334	3172.454776959238824	3172.454776959238824
347	54	39667	-142681.1413	82737.37170250766	39.146123639392346	-101.3018621	30686.1326414203	4335508.908690033	3386.6596361737778	3196.149042022467	3172.11331288912846	3194.033971132441163	3172.454776959238824	3172.454776959238824
348	54	39668	-141921.1413	82737.37170250766	39.146132369399204	-101.2996659	30687.2069556857	4335511.283649476	3386.01995159083	3195.7905577709	3172.255955792633	3193.9131397397334	3172.454776959238824	3172.454776959238824
349	54	39669	-141261.1413	82737.37170250766	39.14614200884668	-101.2973397	30688.24684115513	4335507.759	3385.430664389874	3195.2918942518104	3172.5308411458454	3186.655305909794	3172.454776959238824	3172.454776959238824
350	54	39670	-140601.1413	82737.37170250766	39.14615103362526	-101.2950135	30689.366136023093	4335503.73445513	3384.848167682893	3194.837103341746	3172.9367616138604	3184.6644061564236	3172.454776959238824	3172.454776959238824
351	54	39671	-139941.1413	82737.37170250766	39.14616115294727	-101.2928272	30690.367848180291	4335499.70623518	3382.9769635043726	3194.364099159741	3173.4211804223436	3182.62529394037	3172.454776959238824	3172.454776959238824
352	54	39672	-139281.1413	82737.37170250766	39.146170657000834	-101.290361	30691.201715158	4335496.68244579	3378.62894402247	3193.8728971400224	3173.74620647769	3180.593131382413	3172.454776959238824	3172.454776959238824
353	54	39673	-138621.1413	82737.37170250766	39.14618017123222	-101.287891	30692.0584610234	4335493.680690033	3376.66384524262	3193.8728971400224	3173.74620647769	3180.593131382413	3172.454776959238824	3172.454776959238824
354	54	39674	-137961.1413	82737.37170250766	39.146189532114356	-101.2857708	30692.743677170506	4335487.63782956	3375.5074307401536	3192.8347255494172	3173.073935965455	3175.072761183334	3172.454776959238824	3172.454776959238824
355	54	39675	-137301.1413	82737.37170250766	39.14619890197426	-101.2838232	30693.74367842638	4335483.612322126	3369.987409217536	3192.8347255494172	3173.073935965455	3175.072761183334	3172.454776959238824	3172.454776959238824
356	54	39676	-136641.1413	82737.37170250766	39.1462082690293	-101.281061	30694.8187842814	4335479.591909525	3366.10384942405	3191.731459	3163.528407241596	3182.705509404214	3172.454776959238824	3172.454776959238824
357	54	39677	-135981.1413	82737.37170250766	39.146217506900314	-101.2787299	30695.7894168251	4335476.36676088	3362.2202494813654	3191.71806658794	3160.236506660543	3164.471367336646	3172.454776959238824	3172.454776959238824
358	54	39678	-135321.1413	82737.37170250766	39.14622641916641	-101.2764037	30696.692645682	4335473.696245682	3358.33641413486	3190.482470743407	3157.103405319577	3163.03294984847	3172.454776959238824	3172.454776959238824
359	54	39679	-134661.1413	82737.37170250766	39.14623593210119	-101.2740774	30697.6225953147	4335467.52298536	3354.689632471399	3189.855755610114	3154.213022036864	3161.03532673496	3172.454776959238824	3172.454776959238824
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361	54	39681	-133341.1413	82737.37170250766	39.146254177576814	-101.269425	30699.8193387675	4335459.47700646	3347.762096900707	3188.48701766599	3150.794301258994	3153.981841	3172.454776959238824	3172.454776959238824
362	54	39682	-132681.1413	82737.37170250766	39.14626332931757	-101.267098	30700.84062771821	4335455.45627878	3344.310159775172	3187.782126727894	3149.202636	3150.95780771799	3172.454776959238824	3172.454776959238824
363	54	39683	-132021.1413	82737.37170250766	39.14627223432696	-101.2647725	30701.841841994	4335451.433523284	3341.325534658246	3187.0917766386	3147.899090477194	3148.312155333713	3172.454776959238824	3172.454776959238824
364	54	39684	-131361.1413	82737.37170250766	39.1462812080489	-101.2624463	30702.844817821145	4335449.41592274	3338.809094108662	3186.2694195222984	3146.9204857757977	3149.892207411586	3172.454776959238824	3172.454776959238824
365	54	39685	-130701.1413	82737.37170250766	39.14629012935156	-101.2601201	30703.8485930633	4335443.38936037	3336.292495617346	3185.4723272217084	3145.97465914873	3151.67884861249	3172.454776959238824	3172.454776959238824
366	54	39686	-130041.1413	82737.37170250766	39.1462990496671	-101.2577398	30704.8485930633	4335438.365235365	3334.7671987354834	3184.4485930633	3145.26018989553	3151.67884861249	3172.454776959238824	3172.454776959238824
367	54	39687	-129381.1413	82737.37170250766	39.1463081655749545	-101.2552425	30705.8485930633	4335433.08452167	3332.111826210751	3183.78485930633	3144.9204857757977	3151.67884861249	3172.454776959238824	3172.454776959238824
368	54	39688	-128721.1413	82737.37170250766	39.14631662	-101.2531414	30706.8485930633	4335429.32605989	3330.224173420522	3182.90557055976	3142.205144828317	3147.822103307116	3172.454776959238824	3172.454776959238824
369	54	39689	-128061.1413	82737.37170250766	39.14632532222351	-101.2508151	30707.8485930633	4335425.3045908	3328.363182214829	3182.05752041437	3140.246860286162	3145.090621997034	3172.454776959238824	3172.454776959238824
370	54	39690	-127401.1413	82737.37170250766	39.14633406	-101.248489	30708.8485930633	4335421.384	3326.50130625064	3181.085573208664	3138.040754520206	3141.434615	3172.454776959238824	3172.454776959238824
371	54	39691	-126741.1413	82737.37170250766	39.146343279070574	-101.2461627	30709.8485930633	4335419.263	3324.727354036997	3180.12697360106	3135.46332620816	3135.82689049093	3172.454776959238824	3172.454776959238824
372	54	39692	-126081.1413	82737.37170250766	39.14635131059683	-101.243864	30710.8485930633	4335415.244102328	3322.944092956126	3178.13596262976	3133.29202734543	3132.83890240493	3172.454776959238824	3172.454776959238824
373	54	39693	-125421.1413	82737.37170250766	39.14635987619157	-101.2415102	30711.8485930633	4335411.22945191	3320.9781687354834	3177.191962365924	3132.0760755948	3132.2693291746815	3172.454776959238824	3172.454776959238824
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375	54	39695	-124101.1413	82737.37170250766	39.14637686359051	-101.2368577	30713.8485930633	4335403.18139456	3316.316427003584	3175.93300720908	3132.1989071727853	3131.661795307662	3172.454776959238824	3172.454776959238824
376	54	39696	-123441.1413	82737.37170250766	39.14638528989409	-101.2345315	30714.8485930633	4335399.16911725	3314.3546512833968	3174.8208055771685	3131.059943084793	3129.915494377175	3172.454776959238824	3172.454776959238824
377	54	39697	-122781.1413	82737.37170250766	39.14639637125885	-101.2322053	30715.8485930633	4335395.142	3312.395204020183	3173.6527705163626	3130.997720123624	3130.404716751108	3172.454776959238824	3172.454776959238824
378	54	39698	-122121.1413	82737.37170250766	39.1464027069561	-101.229879	30716.8485930633	4335391.12225963	3310.43039750148	3172.46890837076	3130.4067420883167	3129.743837116799	3172.454776959238824	3172.454776959238824
379	54	39699	-121461.1413	82737.37170250766	39.14641029607071	-101.2275826	30717.8485930633	4335387.10304199	3308.337253139138	3171.20995	3130.01382700594	3129.01382700594	3172.454776959238824	3172.454776959238824
380	54	39700	-120801.1413	82737.37170250766	39.146418547517312	-101.2252425	30718.8485930633	4335383.08452167	3306.311826210751	3169.93581816244	3129.01382700594	3129.01382700594	3172.454776959238824	3172.454776959238824
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382	54	39702	-119481.1413	82737.37170250766	39.14643490412609	-101.2205741	30720.8485930633	4335375.06456173	3302.66171549924	3167.29016445177	3126.8575940192254	3126.8575940192254	3172.454776959238824	3172.454776959238824
383	54	39703	-118821.1413	82737.37170250766	39.146443015904495	-101.2182478	30721.8485930633	4335371.02795455	3300.63515604545	3165.921793	3125.651569717031	3125.651569717031	3172.454776959238824	3172.454776959238824
384	54	39704	-118161.1413	82737.37170250766	39.14645108275118	-101.2159216	30722.8485930633	4335367.002602635	3300.1452289194128	3164.524373515272	3124.532984824959	3124.532984824959	3172.454776959238824	3172.454776959238824
385	54	39705	-117501.1413	82737.37170250766	39.14645910466617	-101.2135953	30723.8485930633	4335363.991224098	3323.221069707832	3163.99010291673	3123.905555200488	3123.905555200488	3172.454776959238824	3172.454776959238824
386	54	39706	-116841.1413	82737.37170250766	39.14646761649384	-101.2112919	30724.8485930633	4335359.93119136	3321.2298938	3163.1464639153505	3123.155950509394	3123.155950509394	3172.454776959238824	3172.454776959238824
387	54	39707	-116181.1413	82737.37170250766	39.14647591379157	-101.208964	30725.8485930633	4335355.93119136	3319.279929860723	3162.399299860723	3122.399299860723	3122.399299860723	3172.454776959238824	3172.454776959238824
388	54	39708	-115521.1413	82737.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatBothLogs.ft	SatBothH.ft	
473	54	39691	-60741.14133	72737.3170250766	39.14698980292715	-101.013537	2598.58	25904313027	43350.1806882747	3167.011317063401	207.2456913318465	2990.608357119747	2907.3907308	26.337321209963	26.9386528845663
472	54	39692	-60691.14133	72737.3170250766	39.14698901110313	-101.01127107	3269.91	3141132976	43350.065445785	3164.2835920595274	3015.173384719077	2987.486172367127	2987.1883583583787	26.78776610594397	27.9849993324739
473	54	39693	-59421.14133	72737.3170250766	39.146989278976304	-101.008844	2640.60	3670264966	43350.010131936	3161.555671318454	3013.130218134622	2983.3674123872	29.7632783385042	30.07381733311644	30.8486777113697
474	54	39694	-56061.14133	72737.3170250766	39.146993101916735	-101.005581	2601.42	42163757	43350.009491148	3158.828142160681	3011.114912317168	2978.351627230043	29.78704562211547	32.76275078133826	33.0643506901335
475	54	39695	-58101.14133	72737.3170250766	39.146997079924425	-101.0042319	3268.02	4754963907	43350.006296351	3155.468272356865	3009.1288072115685	2972.46467436667	30.6623722880038	36.7240567490158	37.984670490158
476	54	39696	-57441.14133	72737.3170250766	39.14700110299933	-101.001956	3270.53	5291855808	43349.0854249896	3151.4776077161075	3007.1736195736103	2966.1890069545403	29.66420714108904	36.464581960996	40.9664784845733
477	54	39697	-56781.14133	72737.3170250766	39.147004901141486	-100.9995793	3274.04	5827055293	43349.005107523	3147.486483	3005.249814340531	2969.6314040125873	29.595744604125877	45.61662732280038	45.50520979427327
478	54	39698	-5621.14133	72737.3170250766	39.1470084345086	-100.997253	3272.05	6305644443	43349.049599123	3143.4953748345926	3003.290176274871	2953.32393492614	29.532927825374877	50.0642018093733	50.0642018093733
479	54	39699	-55451.14133	72737.3170250766	39.147012542627486	-100.9948268	3270.66	689285256	43349.067983793	3142.8389404165458	2999.6253245236	2942.65795214395	29.42737753611395	56.974040289016	56.969816
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481	54	39701	-54141.14133	72737.3170250766	39.14702000438233	-100.9902742	3280.08	75909701364	43349.087405	3143.73151925485	2999.6253245236	2942.65795214395	29.42737753611395	56.974040289016	56.969816
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483	54	39703	-52821.14133	72737.3170250766	39.1470272864095	-100.9856216	3280.14	90082265927	43349.07402	3144.04803	2994.326074761226	2935.4311408919173	29.358208013921866	58.9846606738035	58.40562736903605
484	54	39704	-52161.14133	72737.3170250766	39.1470308601855	-100.9832954	3286.11	9526	43349.0640702822	3136.003012476723	2992.5957406405464	2934.4800784728595	29.33509179393157	58.11566221269186	57.58652706630755
485	54	39705	-51901.14133	72737.3170250766	39.1470343898362	-100.9809691	3288.13	10079077114	43349.05397957679	3129.5979523697	2990.5885736899106	2933.97464889092	29.3471593706877	56.90938291	56.4189798308291
486	54	39706	-50841.14133	72737.3170250766	39.14703787244528	-100.9786428	3290.14	10560030004	43349.0439001107	3123.912978109237	2989.2034959140	2933.74113614735624	29.31415225503877	55.46228085631626	55.05197055316556
487	54	39707	-50181.14133	72737.3170250766	39.14704131125941	-100.9763165	3292.15	1086417936	43349.054100504	3117.764307464999	2987.3723328904	2933.8036263617773	29.341775075816813	53.766240160941	53.6276574812921
488	54	39708	-49521.14133	72737.3170250766	39.14704470514069	-100.9739902	3294.16	1103359635	43349.037992394	3115.1225330655	2985.897003483613	2934.71021107267	29.31586579206289	51.42526097926936	51.42526097926936
489	54	39709	-48861.14133	72737.3170250766	39.147048085	-100.9716634	3296.21	1218816754	43349.03747262	3106.2010925572	2984.275386612055	2935.167449568275	29.35309314733587	49.11364150437794	48.9660717261833
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491	54	39711	-47541.14133	72737.3170250766	39.14705611787365	-100.9670114	3300.91	1342911503	43349.0373779523	3094.19347934859	2981.08495118095	2938.55173348384	29.38796052411	42.53231843224103	42.2939597495404
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493	54	39713	-46221.14133	72737.3170250766	39.1470595254519	-100.962717	3305.02	146183607	43349.0384996	3087.27185763483	2969.20419885327	2938.55173348384	29.4045705091868	38.17790452817373	38.17790452817373
494	54	39714	-45561.14133	72737.3170250766	39.14706412438392	-100.9600326	3306.22	146849058	43349.0384996	3087.27185763483	2969.20419885327	2938.55173348384	29.4045705091868	38.17790452817373	38.17790452817373
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496	54	39716	-44241.14133	72737.3170250766	39.14707023860781	-100.955538	3310.24	15677	43349.0384996	3087.27185763483	2969.20419885327	2938.55173348384	29.4045705091868	38.17790452817373	38.17790452817373
497	54	39717	-43581.14133	72737.3170250766	39.147073228093234	-100.9530537	3312.25	1617892057	43349.042012053	3078.341254781975	2971.934550491327	2988.217683941984	29.89625854932905	37.72580711	37.7157965622744
498	54	39718	-42921.14133	72737.3170250766	39.14707617265477	-100.9507274	3314.26	1667992185	43349.04334007	3070.307700770565	2970.476257590486	2988.8844177895708	29.8881809112827	35.918390090584	35.918390090584
499	54	39719	-42261.14133	72737.3170250766	39.14707907226539	-100.9484619	3316.27	17265925	43349.04334007	3070.307700770565	2970.476257590486	2988.8844177895708	29.8881809112827	35.918390090584	35.918390090584
500	54	39720	-41601.14133	72737.3170250766	39.14708170230529	-100.9460749	3318.28	1784246008	43349.04334007	3070.307700770565	2970.476257590486	2988.8844177895708	29.8881809112827	35.918390090584	35.918390090584
501	54	39721	-40941.14133	72737.3170250766	39.14708473670586	-100.9437488	3320.29	1864041333	43349.04334007	3070.307700770565	2970.476257590486	2988.8844177895708	29.8881809112827	35.918390090584	35.918390090584
502	54	39722	-40281.14133	72737.3170250766	39.1470875102808	-100.9414223	3322.30	186639937595	43349.05296358	3071.54630836644	2984.7615167484403	2988.633238991684	29.861197581527196	35.65625836274876	35.65625836274876
503	54	39723	-39621.14133	72737.3170250766	39.147090022141601	-100.939096	3324.31	191590876356	43349.052472136	3069.432787453653	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
504	54	39724	-38961.14133	72737.3170250766	39.1470928637099	-100.9367698	3326.32	1964186555	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
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506	54	39726	-37641.14133	72737.3170250766	39.14709841146211	-100.9321172	3330.34	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
507	54	39727	-36981.14133	72737.3170250766	39.14710056163932	-100.9297905	3332.35	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
508	54	39728	-36321.14133	72737.3170250766	39.1471031468145	-100.927466	3334.37	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
509	54	39729	-35661.14133	72737.3170250766	39.14710559151686	-100.9251383	3336.38	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
510	54	39730	-35001.14133	72737.3170250766	39.14710802050896	-100.9228121	3338.39	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
511	54	39731	-34341.14133	72737.3170250766	39.1471103629327	-100.9204858	3340.40	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
512	54	39732	-33681.14133	72737.3170250766	39.14711267840305	-100.918159	3342.41	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
513	54	39733	-33021.14133	72737.3170250766	39.14711498482946	-100.9158819	3344.42	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
514	54	39734	-32361.14133	72737.3170250766	39.1471172746034	-100.9135069	3346.43	198438254	43349.05402772	3067.951211714975	2983.78424249765	2981.84564351994	29.8221999167142685	35.702288974823	35.714802481529732
515	54	397													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBotKrg.ft	SurfElevBotKrg.ft	SurfElevBoth.ft
597	54	39817	22416.8586730335	273737.1370250766	39.147145269401745	-100.7204252	351329.83710679447	4334515.027654045	2911.837174513162	2860.38553770929	2770.506825	2770.3113761682216	89.587870893440913	90.0741576
598	54	39818	22417.8586730335	273737.1370250766	39.14714517615014	-100.7189693	351530.8716584325	4334511.046214081	2915.392575920575	2862.72652993178	2763.409274	2762.727896831047	95.39959330510358	95.99959330510358
599	54	39819	22418.8586730335	273737.1370250766	39.1471450834782	-100.7157726	351572.90869576285	4334507.064946173	2922.6115925	2867.475256748518	2763.409274	2762.727896831047	102.9937389595493	104.4480436490363
600	54	39820	22439.8586730335	273737.1370250766	39.147144048384782	-100.7134463	351932.3402904905	4334503.8305315	2933.5061357395552	2855.32702523247	2757.97021945788	2757.077309108195	97.3689001065368	98.2663911415021
601	54	39821	22505.8586730335	273737.1370250766	39.14713880029712	-100.71112	35213.3744844405	4334499.102264748	2936.33646811758	2853.619405312178	2761.852673388249	2761.050695480127	91.7665319239205	92.16805893
602	54	39822	22518.8586730335	273737.1370250766	39.14713701718404	-100.7087397	352335.0084215635	4334491.122174716	2945.2868785835663	2851.8704176053407	2763.5251374672033	2763.5354279981373	88.3345727	88.3345727
603	54	39823	22536.8586730335	273737.1370250766	39.14713528039666	-100.704675	352536.02562450255	4334491.14159495	2946.167904365865	2850.096207186606	2763.6899216226734	2763.980324356843	86.4062853653267	86.1159715092174
604	54	39824	22703.8586730335	273737.1370250766	39.1471334004668	-100.704112	352737.0794538457	4334487.16117208	2962.394077013822	2848.297570102897	2763.6525667494486	2763.4548043237627	95.231023042047	94.8427750010438
605	54	39825	22769.8586730335	273737.1370250766	39.1471316769411	-100.7018146	352938.109491386	4334483.1898514705	2964.471286950598	2846.475452947876	2763.147096533403	2762.6714069181965	95.86576426	95.86576426
606	54	39826	22838.8586730335	273737.1370250766	39.1471297054831	-100.6994869	353138.1249943724	4334479.200897728	2965.88351940433	2844.633909867657	2761.15391736566	2761.935185769187	83.1205181607172	82.6939132007166
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608	54	39828	22978.8586730335	273737.1370250766	39.14712575371072	-100.694836	353541.20922754457	4334471.242726204	2964.8810920566516	2840.90820566516	2760.110906392023	2760.339706	80.77711502641432	80.56850027502186
609	54	39829	23038.8586730335	273737.1370250766	39.14712314302914	-100.6925098	353742.2242488414	4334467.261728404	2963.7222542719555	2839.028124957426	2758.9652803809363	2758.9652803809363	80.06432311480635	80.06432311480635
610	54	39830	23098.8586730335	273737.1370250766	39.14712136	-100.6901835	353943.27508216735	4334463.28235267	2967.1355745567944	2837.1355745567944	2757.2897309098144	2757.092450800213	79.8458459633729	80.04312375526909
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612	54	39832	23183.8586730335	273737.1370250766	39.14711791566054	-100.685309	354345.3403240534	4334455.324	2969.291580675134	2833.328912415795	2757.387949234834	2756.9111436211613	75.9400630074552	76.1168962104117
613	54	39833	23278.8586730335	273737.1370250766	39.14711592991378	-100.6832046	354546.32737304764	4334451.345267562	2967.4975334	2831.6147843180576	2758.687457032395	2759.5319649639047	71.732913681481805	71.8851835
614	54	39834	23363.8586730335	273737.1370250766	39.14711282523402	-100.6808783	354747.4050062844	4334453.26676981	2955.703484375966	2829.494376494246	2761.2667581488217	2761.506924533418	68.21296795	67.9925131160065
615	54	39835	23428.8586730335	273737.1370250766	39.14711051262132	-100.6785521	354948.43717219297	4334443.380805233	2953.4521728465106	2827.5764378500805	2761.9771074160467	2762.8977175381936	65.59933043	64.69627114
616	54	39836	23498.8586730335	273737.1370250766	39.14710815057614	-100.6762258	355149.4691129477	4334439.409708293	2954.382338318143	2825.6510789857366	2761.8283956232813	2764.907443639403	62.33032645534	60.7433833942733
617	54	39837	23561.8586730335	273737.1370250766	39.1471057529996	-100.6738995	355350.5009890554	4334431.43135996	2948.03097919588	2823.638385089447	2760.976804366221	2765.044931	62.794834072358	58.6817091400462
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619	54	39839	23698.8586730335	273737.1370250766	39.14710092284075	-100.669369	355756.5627738804	4334429.46688041	2943.153076688041	2820.476467688041	2758.153076688041	2760.153076688041	62.794834072358	58.6817091400462
620	54	39840	23759.8586730335	273737.1370250766	39.14709828	-100.6669206	355953.595519431	4334423.489052076	2938.425051523143	2817.976749513873	2755.5160511190597	2766.1441129970076	61.409634983413335	51.832635168548
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622	54	39842	23918.8586730335	273737.1370250766	39.1470936020929	-100.6622681	356355.68089189136	4334415.545511048	2934.362274889093	2815.71894962285	2750.728431099352	2755.5179223728187	63.45346368329325	58.6572712340084
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624	54	39844	24038.8586730335	273737.1370250766	39.14708771712362	-100.6575815	356757.7199543208	4334407.58914217	2930.45476653044	2810.40800798327	2748.1004761166173	2749.91739902187	61.3083251866537	60.49306908613992
625	54	39845	24098.8586730335	273737.1370250766	39.147085118139	-100.6552892	356978.9620014813	4334403.779517154	2928.761428122924	2808.761428122924	2747.27650958712	2748.9132711657315	62.794834072358	58.6817091400462
626	54	39846	24158.8586730335	273737.1370250766	39.14708250674	-100.6530263	357159.8717095693	4334399.63711916	2927.532056218337	2806.84969452073	2747.02702196	2748.9132711657315	59.9277102163741	59.9277102163741
627	54	39847	24218.8586730335	273737.1370250766	39.14707925648174	-100.6508367	357360.8172111929	4334395.695265329	2926.528901105907	2804.830615571297	2750.253390111774	2749.200909988256	54.582622559505126	57.742425723535
628	54	39848	24278.8586730335	273737.1370250766	39.1470763957919	-100.6483104	357561.8420331642	4334391.68293349	2926.328410149622	2803.00432913824	2750.738995358367	2746.9045275554572	54.582622559505126	57.742425723535
629	54	39849	24338.8586730335	273737.1370250766	39.1470733418083274	-100.6459841	357762.8720686176	4334387.706831673	2924.7021703010764	2801.176460658646	2751.025237300685	2745.1546817659874	50.151228571968	50.151228571968
630	54	39850	24418.8586730335	273737.1370250766	39.14707031475015	-100.6436578	357963.9024237835	4334383.730327928	2921.925651077654	2799.361861559425	2751.040909242497	2748.3123821719812	52.2321087138238	52.2321087138238
631	54	39851	24488.8586730335	273737.1370250766	39.14706739952596	-100.6413813	358164.9324029083	4334379.755168186	2918.7448948472896	2797.5570008744803	2750.7948948472896	2747.46786258941927	46.767108432532521	50.0893085068211
632	54	39852	24518.8586730335	273737.1370250766	39.14706482042655	-100.639163	358369.1664730613	4334375.779517154	2916.704042029417	2795.761428122924	2748.9132711657315	2748.9132711657315	62.794834072358	58.6817091400462
633	54	39853	24578.8586730335	273737.1370250766	39.147062205721	-100.636979	358566.9916247439	4334371.804	2910.62493828097	2793.9758213307	2747.377177941786	2747.377177941786	44.8485641300358	44.8485641300358
634	54	39854	24638.8586730335	273737.1370250766	39.14705980571883	-100.6345527	358768.02111086296	4334367.82899649	2908.54423666425	2792.199084399049	2748.05265885700	2746.7450003033662	44.1753154204573	44.45643936852
635	54	39855	24798.8586730335	273737.1370250766	39.14705682	-100.6320264	358969.05040605	4334363.88317373	2906.212978	2790.432271302425	2745.265336996939	2744.56411288566	41.7473513248066	45.868158
636	54	39856	24858.8586730335	273737.1370250766	39.1470543484	-100.629701	359170.076725866	4334359.87890533	2903.6290944516	2788.673240292396	2738.470958103713	2737.4035149428478	51.2701942847671	51.2701942847671
637	54	39857	24818.8586730335	273737.1370250766	39.147051671052	-100.6273739	359371.1887484254	4334355.904173424	2901.045211067816	2786.92204832354	2738.076254480594	2738.669978595058	47.8466053176022	48.2529264176927
638	54	39858	24878.8586730335	273737.1370250766	39.14704882	-100.6250476	359592.137681243	4334351.92609034	2898.46173681874	2785.18762073927	2740.37306980415	2740.37306980415	44.8485641300358	44.8485641300358
639	54	39859	24938.8586730335	273737.1370250766	39.14704613040951	-100.622835	359794.1951502875	4334349.9309057	2896.54362828097	2781.7251779053	2740.804054259807	2741.328184837764	40.920473661323	40.920473661323
640	54	39860	24998.8586730335	273737.1370250766	39.14704340049051	-100.620395	359994.1951502875	4334345.9309057	2894.54362828097	2781.7251779053	2740.804054259807			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SanthKlogs.	SanthBothK.
723	54	39943	105578.85867307335	82737.37170250766	39.14659627636838	-100.4273149	776659.1212036171	14334014.71833237	2742.86348898867	265.278438594511	2614.887491143473	2614.208068187888	308838524510392	51.0677540662324
724	54	39944	106238.85867307335	82737.37170250766	39.1465890610558	-100.4236827	776860.1391851402	14334010.758027795	2740.63744620619	2663.6393616	2612.502734275478	2611.9053461482393	51.3362695467322	51.9307208218078
725	54	39945	106988.85867307335	82737.37170250766	39.14658181	-100.4226264	77761.1574913425	14334006.7819	2748.414673012451	2652.403469123294	2609.903703	2610.453469123294	52.49871088656269	52.49871088656269
726	54	39946	107658.85867307335	82737.37170250766	39.14657451078405	-100.4203362	777622.1747928054	14334003.93564414	2736.1922774844825	2660.96347448425	2606.141206	2607.958272803893	52.82814195199506	52.81824842
727	54	39947	108218.85867307335	82737.37170250766	39.14656715672534	-100.4180099	777463.1921435667	14333998.808039627	2730.67204461728	2659.53716016159	2606.469587	2606.42119906423	53.0675886273966	53.1159769137566
728	54	39948	108878.85867307335	82737.37170250766	39.1465617573465	-100.4156837	777664.2099279307	14333994.92093755	2721.855313373516	2607.1002669927	2605.0713266158427	2605.055422183201	53.0356465232962	53.0517788487011
729	54	39949	109538.85867307335	82737.37170250766	39.146554230812065	-100.4133574	777865.22371381886	14333990.961817955	2721.033852601936	2656.67844040936	2603.979581073123	2604.318401894027	52.70012736780664	52.6126825
730	54	39950	110158.85867307335	82737.37170250766	39.14654486095676	-100.4110312	778066.2446	14333987.03114738	2720.8218057965196	2655.25466077102	2603.0419831205436	2602.9005857760485	52.612776665819	52.35407501105328
731	54	39951	110858.85867307335	82737.37170250766	39.14653733617112	-100.4087149	778267.2617485156	14333983.044818156	2698.9426116811514	2653.828244554655	2600.353627369676	2600.1453536276914	51.47441651487556	51.6858699
732	54	39952	111158.85867307335	82737.37170250766	39.146530717	-100.4053787	778468.2778474677	14333979.08601973	2695.4027446331	2652.34946077549	2601.82915689079	2601.81384626353	50.525789196693	50.58109124901375
733	54	39953	111218.85867307335	82737.37170250766	39.1465251180262	-100.4040524	778669.2957069347	14333975.12772865	2695.49218	2650.548974718664	2601.8795380155025	2601.8176757709425	50.525789196693	49.13722170023874
734	54	39954	112388.85867307335	82737.37170250766	39.146514402220554	-100.4017262	778870.3125	14333971.169602172	2694.508412516505	2601.87645996384	2601.593175079084	47.63195255267101	47.91523880895646	47.91523880895646
735	54	39955	113498.85867307335	82737.37170250766	39.14649787706656	-100.39994	779071.3292039973	14333967.211657167	2693.2601296267413	2648.0552789510302	2601.74041513246	46.95126443784266	46.95166186930916	46.95166186930916
736	54	39956	114158.85867307335	82737.37170250766	39.1464903826069	-100.3970737	779272.34577667125	14333963.25387763	2692.19372317	2646.95971986659	2601.5376554267154	45.05776171944184	45.2979636732254	45.2979636732254
737	54	39957	114158.85867307335	82737.37170250766	39.1464912438335	-100.3947475	779473.3623237025	14333959.26	2716.75843932242	2646.12896932344	2600.635895579187	2600.457757248833	44.67031257449071	44.67031257449071
738	54	39958	115478.85867307335	82737.37170250766	39.146483404573865	-100.3924212	779674.3786	14333955.33883633	2726.32144192127	2643.63362715752	2598.780582482738	2598.399394774227	46.87277986147813	44.7133029
739	54	39959	116138.85867307335	82737.37170250766	39.146475620332814	-100.390095	779875.3947990507	14333951.34671912	2720.770869291435	2642.71288158107	2592.478183800315	2594.696118028695	46.99314035779198	46.91471080224194
740	54	39960	116138.85867307335	82737.37170250766	39.146467591159004	-100.3877687	780076.0410086576	14333947.44271634	2726.02321878435	2640.681873	2594.7946924718894	2594.926293349624	45.754940410002374	45.754940410002374
1	55	39961	-370941.1413	82803.7170250766	39.1418877594657	-102.1068401	231484.4902553005	3373120.155896064	4005.848923201517	3868.5930341496114	3855.176385265025	3856.153595176295	13.417548848586267	12.44038973316557
2	55	39962	-370281.1413	82803.7170250766	39.14191251	-102.1045142	231685.5660339058	3373116.06994046	4007.30736601457	3847.298034613462	3847.79561483295	3847.79561483295	19.9977173329214	19.9977173329214
3	55	39963	-369621.1413	82803.7170250766	39.142193789004274	-102.1021883	231888.72262430471	3373117.88416665	4000.971848959864	3865.9809184372494	3840.115132306542	3840.290623243944	25.88285231234013	25.704560935374
4	55	39964	-368961.1413	82803.7170250766	39.141962912970406	-102.0998624	232087.876853377	3373117.989166269	4004.674258959876	3864.6955311220517	3834.68432865247	3834.6879609170437	30.0552266534458	30.0117503007956
5	55	39965	-368261.1413	82803.7170250766	39.142193789004274	-102.0974887	232404.038497307	3373070.724	4005.5520938112674	3838.745263916538	3827.1682302152384	3827.1682302152384	19.9843659802203	19.9843659802203
6	55	39966	-367641.1413	82803.7170250766	39.142012974275744	-102.0952106	232490.1947154638	3373079.62005454	4009.968057069545	3862.101422347536	3827.4621971720667	3827.7020094762113	34.63292517550691	34.72933187136232
7	55	39967	-366981.1413	82803.7170250766	39.142037591918328	-102.0928847	232691.345916673	3373076.94432157	3988.4443562435157	3860.8021376169713	3824.9695450234167	3824.7192926510747	38.02359255549664	38.01353554549664
8	55	39968	-366321.1413	82803.7170250766	39.14206293916568	-102.0905588	232892.5010965058	3373079.55973175	3986.68491848325	3595.502831029717	3823.1319952839	3822.69174723424	36.36963150077918	36.3119630238956
9	55	39969	-365661.1413	82803.7170250766	39.14208785426915	-102.0882329	233093.6560112516	3373079.53417075	3984.943574	3858.203601164025	3825.3869888173804	3825.3869888173804	33.0433277237836	33.0433277237836
10	55	39970	-365001.1413	82803.7170250766	39.142112724366896	-102.085907	233248.81066111097	3373079.39107458	3983.17968523617	3855.045055232336	3831.580148683014	3831.580148683014	25.3244019333222	25.3244019333222
11	55	39971	-364341.1413	82803.7170250766	39.14213744958558	-102.0836818	233495.89562281	3373079.370	3986.8314673016338	3856.905767	3830.746728550047	3830.746728550047	19.9843659802203	19.9843659802203
12	55	39972	-363681.1413	82803.7170250766	39.1421623286298	-102.0812758	233697.1911669278	3373075.23124333	3987.05175350937	3854.843404804	3830.17	3830.17	34.00771723460519	34.0035444021829
13	55	39973	-363021.1413	82803.7170250766	39.1421870655896	-102.0789293	233888.273023473	3373071.39414262	3987.05175350937	3854.843404804	3830.17	3830.17	34.00771723460519	34.0035444021829
14	55	39974	-362361.1413	82803.7170250766	39.1422117571353	-102.0766033	234099.4266157957	3373067.05880874	3972.012745496551	3851.76125654355	3841.67024492755	3841.6059716471304	10.97586061680508	10.97586061680508
15	55	39975	-361701.1413	82803.7170250766	39.1422360124667	-102.0742774	234300.57994306	3373062.975224169	3970.539912635183	3850.42592446516	3839.329136750145	3839.281473	11.09345695474404	11.11411963480784
16	55	39976	-361041.1413	82803.7170250766	39.1422610185827	-102.0719515	234501.7330916277	3373053.88934132	3970.539912635183	3849.130713806613	3835.566861080379	3835.468616710789	13.6621446726073	13.6621446726073
17	55	39977	-360381.1413	82803.7170250766	39.1422855574383	-102.0696256	234720.8858106893	3373054.806340756	3970.539912635183	3849.130713806613	3835.566861080379	3835.468616710789	13.6621446726073	13.6621446726073
18	55	39978	-359721.1413	82803.7170250766	39.1423109316175	-102.0672897	234940.038497307	3373050.724	4005.5520938112674	3838.745263916538	3827.1682302152384	3827.1682302152384	19.9843659802203	19.9843659802203
19	55	39979	-359061.1413	82803.7170250766	39.1423345163831	-102.0649738	235105.1906235167	3373050.724	4005.5520938112674	3838.745263916538	3827.1682302152384	3827.1682302152384	19.9843659802203	19.9843659802203
20	55	39980	-358401.1413	82803.7170250766	39.1423589505893	-102.0626478	235306.3426314065	3373042.55839051	3967.695490798	3834.982394191185	3831.91555640949	3831.91555640949	24.83271778169437	24.5990134729999
21	55	39981	-357741.1413	82803.7170250766	39.1423833109196	-102.0603219	235507.4943858003	3373038.47609375	3965.814201071334	3842.703817099022	3815.342270055623	3815.342270055623	29.97704134749902	29.97704134749902
22	55	39982	-357081.1413	82803.7170250766	39.1424076217351	-102.057996	235708.6458730336	3373034.393973611	3963.923470471727	3841.4260754216293	3811.745949	3811.745949	29.97704134749902	29.97704134749902
23	55	39983	-356421.1413	82803.7170250766	39.14243194833321	-102.0556701	235909.7971	3373030.312	3962.1148629012	3840.17486512229	3808.4359609493104	3808.255102510169	31.7082071912468	31.8939141059003
24	55	39984	-355761.1413	82803.7170250766	39.1424591697014	-102.0533431	236110.8480610527	3373026.2303169	3958.368885721304	3836.85885721304	3806.131424581543	3806.131424581543	32.73725112543935	32.73725112543935
25	55	39985	-355101.1413	82803.7170250766	39.1424833988989	-102.0510278	236312.942464276	3373022.14787871	3956.846937506255	3836.85885721304	3806.131424581543	3806.131424581543	32.73725112543935	32.73725112543935
26	55	39986	-354441.1413	82803.7170250766	39.14250453728091	-102.0489323	236513.2402018335	3373018.06729116	3956.846937506255	3836.85885721304	3806.131424581543	3806.131424581543	32.73725112543935	32.73725112543935
27	55	39987	-353781.1413	82803.7170250766	39.142528643752804	-102.0466362	236714.39980							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatThtLg.f	SatThtBoth.f
109	55	4009	-299661.1413	828037.3170250766	39.144352500678416	-101.8556349	253027.84418717716	4336679.924905373	3812.8730760340754	3697.9912327627628	3674.666786	3669.6553448587033	23.33941319552736	28.33589240405945
110	55	4070	-299001.1413	828037.3170250766	39.14437267847255	-101.8533088	253408.9734	4336675.585302634	3808.7304113386623	3695.2630021876835	3669.5236595900446	3667.0623860281418	25.33914319673886	28.200617195641707
111	55	4071	-298481.1413	828037.3170250766	39.144393211341146	-101.8509827	253610.1032569687	4336671.7918798287	3808.2129272551942	3692.542714548493	3668.232112912523	3662.007385252384	26.31080163	27.340454991714574
112	55	4072	-297681.1413	828037.3170250766	39.14441349928415	-101.8486657	253811.2310452032	4336667.7256252404	3808.320623783071	3689.83165950266	3664.0510266206766	3662.065382932447	24.21366554216729	24.21366554216729
113	55	4073	-297021.1413	828037.3170250766	39.144433742301514	-101.8463306	254012.3595100736	4336663.659505081	3808.426320310842	3687.1329335946767	3663.71439983545	3667.7069193636592	23.41853376023164	19.426013958174735
114	55	4074	-296261.1413	828037.3170250766	39.144453490332884	-101.8440406	254217.389717313694	4336663.594	3808.530616383284	3684.464100850805	3664.4221912439343	3669.741924365205	24.01291671414226	14.704460619878026
115	55	4075	-295701.1413	828037.3170250766	39.1444740355935	-101.8416785	254414.1157093113	4336665.527922864	3807.712993064574	3681.738075428801	3664.9272616863427	3672.361960530335	18.646554565458306	4311847012267572
116	55	4076	-295041.1413	828037.3170250766	39.144494021799695	-101.8393525	254615.7434441014	4336665.462928261	3807.33948981967	3678.1161434564861	3663.7081487502085	3678.131461764683	15.40796459388986	0
117	55	4077	-294381.1413	828037.3170250766	39.14451427	-101.8370264	254816.8703592228	4336660.903970696	3806.5559491821	3676.474261347097	3662.451961073564	3682.037108203978	15.44223207382316	15.44223207382316
118	55	4078	-293721.1413	828037.3170250766	39.14453426351294	-101.8347003	255017.9980280159	4336643.31815292	3805.671760354543	3673.845732711923	3653.11975971091	3679.649240506505	14.7289752491203	0
119	55	4079	-293061.1413	828037.3170250766	39.14455425697584	-101.8323743	255218.1252915678	4336639.266796599	3802.251150271558	3671.2384037940747	3656.984085874751	3685.7485034783165	14.24431716623459	0
120	55	4080	-292401.1413	828037.3170250766	39.14457418551286	-101.8300482	255420.250550086	4336635.201953877	3796.243597620182	3668.64306293483	3655.005477012863	3671.6536435992316	13.63758620646701	0
121	55	4081	-291741.1413	828037.3170250766	39.144594093123976	-101.8277222	255621.3877878602	4336631.37	3797.2460761698153	3666.05127688599	3652.9251440623816	3668.671105283636	13.13642862217536	0
122	55	4082	-291081.1413	828037.3170250766	39.14461397809116	-101.8253361	255822.5048506015	4336627.07296318	3784.228542717439	3663.493450336417	3650.578528358056	3664.1530740909648	12.91760119783612	0
123	55	4083	-290421.1413	828037.3170250766	39.14463150755627	-101.82307	256023.6309951863	4336623.08481485	3777.1497102184235	3660.938579359585	3647.706015269246	3650.490482428295	12.32264110339554	0.4476549512919519
124	55	4084	-289761.1413	828037.3170250766	39.144653450401385	-101.820774	256224.7569345568	4336618.944324555	3768.99973	3658.39680031892	3643.823341046953	3648.19065514536	14.56434592722689	10.200614480438617
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127	55	4087	-287781.1413	828037.3170250766	39.14471242734421	-101.8137657	256828.13263723318	4336606.752881417	3745.28263524604	3650.84196050789	3632.7655208823293	3607.93831892379	18.07867516849546	42.9103717706975
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138	55	4098	-280521.1413	828037.3170250766	39.14492571681146	-101.7881789	259040.7640939658	4336562.4667962	3720.738072121341	3620.738072121341	3611.4533901293296	3576.07879075715	12.7354977039715	6.678429425709055
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154	55	4114	-269961.1413	828037.3170250766	39.14522052461034	-101.7509								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatTskLog.s	SatTskBoth.ft	
235	40195	-116501.1413	826037.3170250766	39.14656630253304	-101.5625432	278548.267072148	4336168.916936653	484.45539955201	3356.823554766285	3376.515779516441	3390.304941478797	0			
236	40196	-115841.1413	826037.3170250766	39.14658101943532	-101.560217	278149.3671	4336167.47248698	3483.728847274171	3353.949451669154	3373.092953533293	3388.73573261766	0			
237	40197	-115181.1413	826037.3170250766	39.14659358140786	-101.557808	278502.466826164	4336168.15817875	3351.146841387134	3377.927278821453	3387.937873030086	0				
238	40198	-114521.1413	826037.3170250766	39.14660103184509	-101.5555546	278749.5556527827	4336164.280181855	3482.275472711213	3348.341633763678	3375.186299693145	3381.132911919454	0			
239	40199	-113861.1413	826037.3170250766	39.146620490563786	-101.5532384	279352.6694578733	4336152.740075621	3479.106138610933	3345.522107302547	3372.1773450812075	3382.862414552289	0			
240	40200	-113201.1413	826037.3170250766	39.14663494	-101.5509122	279553.6175154683	4336148.696298172	3473.4933784400855	3342.702265194916	3369.5520512159665	3382.494418987507	0			
241	40201	-112541.1413	826037.3170250766	39.14665833000001	-101.548586	279754.8640717657	4336144.652695832	3467.80653019077	3339.846993288664	3367.63729468831	3379.992113459684	0			
242	40202	-11181.1413	826037.3170250766	39.1466683732426	-101.546258	279955.9620804684	4336140.609	3462.2675927590866	3337.068962307943	3365.58167630703	3371.16010452433	0			
243	40203	-11121.1413	826037.3170250766	39.14668277971807	-101.543836	280157.410289841	4336136.56901644	3458.320728621815	3334.255362201262	3363.75216883265	3372.67583892865	0			
244	40204	-110561.1413	826037.3170250766	39.1466971371819	-101.5416704	280358.1596312125	4336132.52239384	3343.050095003134	3331.444267513593	3361.23744726207	3371.12358447287	0			
245	40205	-109901.1413	826037.3170250766	39.14671144972308	-101.5392812	280559.2567126907	4336128.40003592	3443.757383558128	3328.6368480753126	3358.88665360915	3368.07455486383	0			
246	40206	-109241.1413	826037.3170250766	39.14672513727115	-101.53695	280755.3566864734	4336124.437308484	3437.4757110271236	3325.83543793559	3356.469678252435	3364.905312124845	0			
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266	40226	-96041.1413	826037.3170250766	39.14700163407899	-101.4904308	284782.2679476285	4336043.619524006	3396.02684569006	3272.4965094203712	3286.382254373283	3282.757386473756	0			
267	40227	-95381.1413	826037.3170250766	39.14701456814814	-101.4881046	284983.3612947494	4336039.5804718975	3392.577235796072	3269.992050115716	3281.1662247610207	3280.725303763725	0			
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274	40234	-90761.1413	826037.3170250766	39.14710696576416	-101.4718211	286391.00899575163	4336011.312004176	3392.723641012139	3252.853381299515	3237.5539033737846	3289.76657990318	15.29047792573057	0		
275	40235	-90101.1413	826037.3170250766	39.147119933200734	-101.4694948	286593.3893396654	4336007.274	3397.0373602112134	3252.44862259031	3232.44862259031	3283.4539303767836	3292.44862259031	0		
276	40236	-89441.1413	826037.3170250766	39.14713265289438	-101.467186	286793.7197108054	4336003.23687237	3397.0229172405919	3248.065195125027	3227.13066242075	3284.334694014925	20.3344774217585	0		
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278	40238	-88121.1413	826037.3170250766	39.1471558549841	-101.462511	287195.347417784	4335993.041010665	3392.0322612976006	3243.333083	3215.9149082318044	3276.48738459596	26.33478484059537	0		
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281	40241	-86141.1413	826037.3170250766	39.14719677740097	-101.4555375	287798.646306348	4335983.052104405	3398.6759021148956	3236.370551178757	3199.541480951122	3256.89207276493	36.8290722763493	1.8316866851614577	0	
282	40242	-85481.1413	826037.3170250766	39.1472094750983	-101.4532112	287999.7365176343	4335980.915675186	3384.680314349865	3234.0568873047834	3193.1542881467885	3256.845094151713	40.0159915499495	27.50877889611284	0	
283	40243	-84821.1413	826037.3170250766	39.1472220368777	-101.450965	288200.2656199835	4335985.286000725	3389.58989282472	3231.851789158064	3186.655894383688	3180.8507122533304	42.1620259468804	51.19446524686004	0	
284	40244	-84161.1413	826037.3170250766	39.1472349252484	-101.448558	288401.5163	4335970.93431058	3387.601766373373	3229.64354532927	3189.365528009327	3168.097276023397	44.276261246972	61.546077705827	0	
285	40245	-83501.1413	82603												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SurfAtK3812	SurfAtBoth.ft
361	55	40321	-133341.1413	826037.3170250766	39.14806680271561	-101.2694366	303885.2199772025	4335660.68949762	334.993583656013	3179.359929373296	3150.455548124247	3154.6951130686894	39.14834812	34.680873968640204
362	55	40322	-132681.1413	826037.3170250766	39.14807586825679	-101.2671103	304086.2941195997	4335656.66728312	334.420350773508	3188.669048462736	3148.084146832679	3151.11093943042634	39.57676781296004	35.472003438442262
363	55	40323	-132021.1413	826037.3170250766	39.14808469692361	-101.2647841	304287.3686794159	4335652.644733051	334.27272109124	3187.818694480916	3147.824303926579	3147.2163474548783	40.702870098403316	40.702870098403316
364	55	40324	-131361.1413	826037.3170250766	39.14809383462969	-101.2624578	304488.41482744564	4335648.622611967	333.8282648	3187.14891010608	3146.721583692258	3152.123523902673	40.4223534138223	35.026295107907086
365	55	40325	-130701.1413	826037.3170250766	39.148110276	-101.2601315	304689.5153943791	4335644.078892053	333.28022231715964	3186.35377906759	3145.747903255987	3153.2057615180896	40.603654650727216	33.103401398696924
366	55	40326	-130041.1413	826037.3170250766	39.14811163124136	-101.2578052	304890.5887663369	4335640.516995041	333.053707185862	3144.897351601637	3143.52140473801637	3150.455548124247	40.6036557669825	34.1217634776437
367	55	40327	-129381.1413	826037.3170250766	39.14812004148825	-101.2554789	305091.6619505487	4335636.557	333.06689239436	3184.86032452473	3143.3116044387914	3150.815007542445	41.368685808701744	33.86517267122872
368	55	40328	-128721.1413	826037.3170250766	39.14812925	-101.2531528	305292.73494122364	4335632.53569265	333.28076792363	3183.803416972674	3141.6262147700436	3148.76178684207	41.272202203627	35.0413013060224
369	55	40329	-128061.1413	826037.3170250766	39.148137989165974	-101.2506263	305493.8074076685	4335628.51461889	334.504580570978	3182.801317102853	3140.76468680237	3146.106468680237	41.55833816387459	35.784870408558936
370	55	40330	-127401.1413	826037.3170250766	39.14814699	-101.2485	305694.8804877414	4335624.49342748	333.723220205998	3181.974226102795	3137.664675658494	3141.6415135	42.3077784423574	40.3371110250934
371	55	40331	-126741.1413	826037.3170250766	39.14815534	-101.2461737	305895.8527660578	4335620.42704738	333.087978938355	3181.02187052606	3135.285638	3136.9913973141893	42.72273273115945	40.42149731416624
372	55	40332	-126081.1413	826037.3170250766	39.14816394	-101.243874	306097.024992625	4335616.451912802	333.598350041267	3180.019677643843	3133.2976113898517	3142.1543403800826	42.7220625398257	45.6038342895164
373	55	40333	-125421.1413	826037.3170250766	39.14817250400855	-101.2415212	306298.0970286739	4335610.431358979	333.1087213831448	3178.991693659228	3133.033031142429	3133.541019091248	45.9823923809916	45.067460368039013
374	55	40334	-124761.1413	826037.3170250766	39.148181020391696	-101.2391499	306499.168973456	4335604.41097725	333.6190927250295	3177.927438474113	3132.8388048359234	3133.0683603681895	45.0886333818955	44.859076711224166
375	55	40335	-124101.1413	826037.3170250766	39.148190198157925	-101.2368986	306700.2406299969	4335604.390716265	333.4042952572977	3176.82834735362	3132.4854798445726	3132.5099585338983	44.316421119940261	44.316421119940261
376	55	40336	-123441.1413	826037.3170250766	39.14819792	-101.2345423	306901.3120957287	4335600.37040081	333.461626286013	3175.88820017051	3131.6652612335592	3131.489107135511	44.02303078349176	44.1991082154006
377	55	40337	-122781.1413	826037.3170250766	39.14820629993215	-101.232216	307102.383737169	4335596.35808216	333.5199831805065	3174.53150075968	3131.110622769025	3130.7348580697243	44.0246779896552	43.73876421539171
378	55	40338	-122121.1413	826037.3170250766	39.14821463658013	-101.2298987	307303.5445853035	4335592.33199218	333.57378097437954	3173.310034479594	3130.462944972024	3129.924368972145	43.73876421539171	43.73876421539171
379	55	40339	-121461.1413	826037.3170250766	39.14822292829533	-101.2275634	307504.523555577	4335588.3116899835	333.58161969373	3172.052083819357	3129.6650338961	3129.029340340833	43.73876421539171	43.73876421539171
380	55	40340	-120801.1413	826037.3170250766	39.14823172507774	-101.2252371	307705.5960372885	4335584.292	333.584217280274	3170.76812275042	3128.74402820916	3128.13837005892	43.73876421539171	43.73876421539171
381	55	40341	-120141.1413	826037.3170250766	39.1482397692736	-101.2229108	307906.6668302234	4335580.27319336	333.479242635097	3169.46545430839	3127.608206106438	3127.075695499096	43.73876421539171	43.73876421539171
382	55	40342	-119481.1413	826037.3170250766	39.14824753844135	-101.2205845	308107.7369136426	4335576.254206167	333.422053548989	3168.454255298394	3126.264891723053	3125.762057	43.73876421539171	43.73876421539171
383	55	40343	-118821.1413	826037.3170250766	39.1482563414134	-101.2182634	308305.1229624507	4335572.2383087947	333.4278339368137	3167.793305826387	3124.4278339368137	3124.4278339368137	43.73876421539171	43.73876421539171
384	55	40344	-118161.1413	826037.3170250766	39.148263712879185	-101.2159319	308509.877009813	4335568.21753588	333.40730579673	3165.295044	3123.121272361855	3123.00340167009	43.73876421539171	43.73876421539171
385	55	40345	-117501.1413	826037.3170250766	39.14827173	-101.2136056	308710.9467550094	4335564.19828778	333.2232230485672	3163.851788930467	3122.67712997684	3121.67712997684	43.73876421539171	43.73876421539171
386	55	40346	-116841.1413	826037.3170250766	39.148279112187556	-101.2112793	308912.016354818	4335560.17998077	333.2136426503371	3162.38073729552	3121.1218585644372	3122.02185730473	43.73876421539171	43.73876421539171
387	55	40347	-116181.1413	826037.3170250766	39.14828764	-101.208953	3091183.07838027	4335556.18680844	333.173507628244	3160.883205686526	3121.3942651128564	3121.278906876026	43.73876421539171	43.73876421539171
388	55	40348	-115521.1413	826037.3170250766	39.14829553175474	-101.2062627	309314.154466844	4335552.14387352	333.1447454240904	3159.3607625941154	3120.490627758001	3120.3807941941908	43.73876421539171	43.73876421539171
389	55	40349	-114861.1413	826037.3170250766	39.1483034396134	-101.2040304	309515.229623044	4335548.1682004	333.145442956337	3158.458173143362	3119.286543578793	3119.286543578793	43.73876421539171	43.73876421539171
390	55	40350	-114201.1413	826037.3170250766	39.14831177559502	-101.201917	309716.292700015	4335544.10857303	333.1254110402634	3118.100629436194	3118.100629436194	3118.100629436194	43.73876421539171	43.73876421539171
391	55	40351	-113541.1413	826037.3170250766	39.148318902415735	-101.1996478	309917.3613426904	4335540.09115829	333.107457632014	3154.665326	3116.669739530685	3116.511526888881	43.73876421539171	43.73876421539171
392	55	40352	-112881.1413	826037.3170250766	39.14832663170346	-101.1973215	310118.429887347	4335536.07304582	333.0683732136305	3154.662324727574	3115.170066862017	3115.254474835813	43.73876421539171	43.73876421539171
393	55	40353	-112221.1413	826037.3170250766	39.148334294358186	-101.1949592	310319.4815655564	4335532.056831286	333.056292910247	3151.441809627472	3113.596148549683	3113.3202237337	43.73876421539171	43.73876421539171
394	55	40354	-111561.1413	826037.3170250766	39.14834191207997	-101.1926869	310520.566230309	4335528.04	333.0400245097683	3150.45552007645	3111.975120683348	3112.1443402140103	43.73876421539171	43.73876421539171
395	55	40355	-110901.1413	826037.3170250766	39.14834948488689	-101.190426	310721.6341355514	4335524.20320525	333.0296796281813	3148.153897968364	3110.327881970708	3110.698592612377	43.73876421539171	43.73876421539171
396	55	40356	-110241.1413	826037.3170250766	39.14835705836365	-101.1881613	310922.7018465209	4335518.1682004	333.01982177815	3146.49126115708	3110.327881970708	3110.698592612377	43.73876421539171	43.73876421539171
397	55	40357	-109581.1413	826037.3170250766	39.14836446564707	-101.1859369	311123.7693713146	4335515.9902774183	333.01484101767474	3144.818547811243	3107.515665466877	3107.515665466877	43.73876421539171	43.73876421539171
398	55	40358	-108921.1413	826037.3170250766	39.1483719336366	-101.1836337	311243.83710959	4335511.4704738245	333.0141931751595	3143.13780961113	3105.4096160852	3105.787141141523	43.73876421539171	43.73876421539171
399	55	40359	-108261.1413	826037.3170250766	39.14837932669319	-101.1810374	311525.9038654324	4335507.95804076	333.00759840476	3142.445361529175	3103.8043872608437	3104.16831862397	43.73876421539171	43.73876421539171
400	55	40360	-107601.1413	826037.3170250766	39.148386674816635	-101.1787111	311726.9708349821	4335503.94218827	333.007337	3139.753145	3102.26106619314	3102.5941944310475	43.73876421539171	43.73876421539171
401	55	40361	-106941.1413	826037.3170250766	39.14839380780698	-101.1763847	311928.0371695653	4335499.92650624	333.007477415	3139.753145	3100.820549090887	3101.110252439368	43.73876421539171	43.73876421539171
402	55	40362	-106281.1413	826037.3170250766	39.14840122624243	-101.1740584	312138.102186292	4335495.91098183	333.00740382519	3136.36510269163	3100.59425938901	3100.59425938901	43.73876421539171	43.73876421539171
403	55	40363	-105621.1413	826037.3170250766	39.14840894969332	-101.1718693	312347.16935673	4335491.8958317815	333.00740382519	3136.36510269163	3100.59425938901	3100.59425938901	43.73876421539171	43.73876421539171
404	55	40364	-104961.1413	826037.3170250766	39.14841562	-101.1694058	312521.238671437	4335487.93083302	333.00740382519	3136.36510269163	3100.59425938901	3100.59425938901	43.73876421539171	43.73876421539171
405	55	40365	-104301.1413	826037.3170250766	39.148422741437116	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatHtLogKgr.f	SatHtLogKgr.f
487	45	40447	-50181.14133	828037.3170250766	39.148853396342855	-100.7936209	329219.112482389	433515.227495397	3111.2664313038184	296.9517480378717	2933.2317372083103	2933.504881790647	33.6847395947312	53.4108662722493
488	45	40448	-49521.14133	828037.3170250766	39.14885735031012	-100.7939486	329240.264741895	433515.226911908	3105.6671422904214	2985.2756915243413	2933.635334104583	2933.765916956458	51.6402611384293	51.5060860679265
489	45	40449	-48861.14133	828037.3170250766	39.14886932348405	-100.7941669	329621.252962128	433512.227669565	3100.0670327778013	2983.556548487212	2934.374587483525	2934.457647819538	49.1980073394857	49.7337433666536
490	45	40450	-48040.14133	828037.3170250766	39.148864	-100.7969319	329622.263647604	433510.226206208	3094.460374263812	2992.050906918295	2935.140411732009	2935.5998401190554	46.55575896	46.4552072770473
491	45	40451	-47541.14133	828037.3170250766	39.1488782660799	-100.79670156	330023.3174497414	433513.226197244	3080.480127293236	2980.481164235413	2937.1055633467436	2937.3181649581813	43.7576068868706	43.1622999052305
492	45	40452	-46841.14133	828037.3170250766	39.14887047683054	-100.7964892	330224.362756535	433513.226197244	3087.464412171918	2979.219478125947	2939.24364888507	2939.6856982408781	39.2367718626255	39.2367718626255
493	45	40453	-46221.14133	828037.3170250766	39.148873646136565	-100.7962369	330224.4818356145	433513.22681271	3084.660711746028	2979.308528561053	2941.2173672759045	2941.965106542285	36.169310572505	35.45149171
494	45	40454	-45561.14133	828037.3170250766	39.148877049982	-100.7960036	330226.4624981565	433512.227041779	3085.871420578258	2975.856324485758	2934.174120666436	2934.598598898818	41.68220379911418	41.25727493939635
495	45	40455	-44861.14133	828037.3170250766	39.14887864992906	-100.7957710	330627.515984677	433512.227669565	3078.56928675801	2974.348408898944	2934.610221187996	2934.7818779695336	39.2367718626255	39.2367718626255
496	45	40456	-44241.14133	828037.3170250766	39.1488928442425	-100.7955338	331028.56992177396	433511.228470408	3077.790145071474	2972.851441894724	2914.458365367169	2914.020366331434	38.2240526141217	38.2240526141217
497	45	40457	-43581.14133	828037.3170250766	39.14889873865435	-100.7953075	331229.6191983783	433511.229444648	3076.31332142485	2971.382393341841	2906.796125884264	2906.085685528404	64.59716648323729	65.31472481
498	45	40458	-42921.14133	828037.3170250766	39.1488881861258	-100.79507312	331430.695731665	433511.23091089	3074.235619586227	2969.252659307067	2904.687592961616	2904.33170708404934	62.379066445095	65.791588421332
499	45	40459	-42261.14133	828037.3170250766	39.14889171830566	-100.7948409	331631.719421666	433510.23119128	3072.635225949827	2968.482683	2905.2510309378827	2905.0384480523251	63.2316516388734	63.44424172441904
500	45	40460	-41601.14133	828037.3170250766	39.14890457306469	-100.7946078	331832.7689526319	433510.23403153	3071.2039354	2967.054868939395	2905.7285017832034	2905.82491625828	61.0284371037607	61.22997036511385
501	45	40461	-40941.14133	828037.3170250766	39.14889736289566	-100.7943752	332033.8183	433509.25051524	3068.78467229151	2965.641244773724	2905.612811139173	2906.04639407638	60.02643354560765	59.9489872307409
502	45	40462	-40281.14133	828037.3170250766	39.14890147781966	-100.7941458	332234.8675407495	433509.23608099	3068.35702598412	2964.238770479085	2904.6804702831405	2905.407521951515	59.583001967676	58.8312482438895
503	45	40463	-39621.14133	828037.3170250766	39.14890286773876	-100.7939095	332453.91652539	433509.23892152	3066.6244293336	2962.84443443047	2896.1710717438173	2896.630916504633	63.6737169022904	62.1624517835838
504	45	40464	-38961.14133	828037.3170250766	39.14890554271526	-100.7936732	332636.9654002613	433508.241710725	3064.69773475287	2961.457668115502	2887.14306972612	2887.30114253837	74.11596601435485	74.11596601435485
505	45	40465	-38301.14133	828037.3170250766	39.148908172850206	-100.7934468	332838.014084666	433508.234465731	3062.733552	2960.075422796214	2878.798151793934	2878.738864420381	81.28736070022796	81.3536583758312
506	45	40466	-37641.14133	828037.3170250766	39.1489107580482	-100.7932105	333039.0626057653	433507.23191828	3060.7691107423107	2958.702985	2871.2154491748306	2870.8650660191217	87.3723779603274	87.3723779603274
507	45	40467	-36981.14133	828037.3170250766	39.14891328922534	-100.7929794	333240.111	433505.274820709	3059.46183894206	2957.333132	2865.944074509037	2865.36220902978	91.38402415672626	91.38402415672626
508	45	40468	-36321.14133	828037.3170250766	39.1489159351175	-100.7927478	333481.1591588825	433505.271519817	3058.557817622137	2955.968717748421	2865.7297435523	2865.379061890505	92.06129635	90.58857389431591
509	45	40469	-35661.14133	828037.3170250766	39.14891863348405	-100.7925145	333684.491890266	433505.270690561	3057.738540981068	2954.738540981068	2865.738540981068	2865.738540981068	93.15411983272098	93.15411983272098
510	45	40470	-35001.14133	828037.3170250766	39.14892045928229	-100.79228151	333843.2550162589	433505.257845923	3051.58077558204	2953.28921951961	2870.01572867794	2870.12759234529	93.8032793738689	93.8113290177005
511	45	40471	-34341.14133	828037.3170250766	39.14892300976641	-100.7920488	334044.302768279	433505.261251032	3049.65189551555	2951.68213922473	2872.1215915316957	2872.30365354239	86.9623230777359	87.5979073772935
512	45	40472	-33681.14133	828037.3170250766	39.1489253251641	-100.7918124	334245.3501345296	433505.26482758	3059.31062450114	2950.653842201542	2871.3156704106455	2873.95073047966	76.93791381	76.93791381
513	45	40473	-33021.14133	828037.3170250766	39.14892759593321	-100.79158361	334446.3976982534	433505.26856347	3057.626187488081	2949.536321732324	2874.064577482998	2874.2342086477963	75.931142538374	75.931142538374
514	45	40474	-32361.14133	828037.3170250766	39.1489298216167	-100.7913598	334647.44492031966	433504.277	3055.841755047525	2948.6002075302954	2873.0240509397317	2873.04488933209	75.5756975068106	75.5756975068106
515	45	40475	-31701.14133	828037.3170250766	39.1489325023671725	-100.7911834	334848.491890266	433504.27667794	3054.62569688946	2947.738540981068	2871.5746828939	2871.5746828939	76.15411983272098	76.15411983272098
516	45	40476	-31041.14133	828037.3170250766	39.14893513817536	-100.7909871	335039.3802629396	433504.27667794	3053.49443242962	2946.700712627122	2872.1657919232833	2872.1657919232833	77.1454693	77.1454693
517	45	40477	-30381.14133	828037.3170250766	39.148937622905465	-100.7908037	335250.585816781	433503.258536347	3047.726982570474	2946.071911283809	2873.31563777013	2873.057434900233	79.7627350579633	79.7627350579633
518	45	40478	-29721.14133	828037.3170250766	39.14893827499989	-100.7906244	335451.6321960349	433503.289741435	3047.77960801069	2945.246624047417	2875.05518337928	2875.05518337928	80.71470948869	80.71470948869
519	45	40479	-29061.14133	828037.3170250766	39.14894027601101	-100.7904818	335652.6786128251	433503.29461855	3047.867742409417	2944.422199768985	2877.044643841857	2877.044643841857	81.07562884357	81.07562884357
520	45	40480	-28401.14133	828037.3170250766	39.1489423208799	-100.7899517	335853.296905118	433503.296905118	3041.90674819068273	2943.286288856215	2879.262868856215	2879.262868856215	82.015055020579	82.015055020579
521	45	40481	-27741.14133	828037.3170250766	39.14894414322083	-100.7897224	336054.709653806	433509.304713045	3047.975941057908	2942.768438157906	2878.8117387431053	2878.8117387431053	82.956893795456	82.956893795456
522	45	40482	-27081.14133	828037.3170250766	39.1489460904361	-100.7894899	336253.516911502	433509.304713045	3040.04517892592	2941.64517892592	2879.36330287284	2879.36330287284	83.1241983272098	83.1241983272098
523	45	40483	-26421.14133	828037.3170250766	39.14894783071405	-100.7892527	336456.862780163	433509.304713045	3038.2034393336	2941.098487483925	2875.938878353041	2875.938878353041	83.6160064029366	83.6160064029366
524	45	40484	-25761.14133	828037.3170250766	39.14894960754384	-100.7890243	336657.9052944826	433507.321	3035.534341250576	2940.258048937058	2871.8606155382154	2872.080812187338	83.673433984262	83.673433984262
525	45	40485	-25101.14133	828037.3170250766	39.14895134	-100.7888792	336858.9538	433503.32695462	3032.838019	2939.41517860275	2867.3811772	2867.61370092895	82.02974585	81.7978168673803
526	45	40486	-24441.14133	828037.3170250766	39.14895302483266	-100.7885937	336959.990498102	433499.33256119	3030.141645640225	2938.559402566773	2862.3610271901493	2862.3610271901493	76.983748665276	76.983748665276
527	45	40487	-23781.14133	828037.3170250766	39.1489546647026	-100.7883673	337261.041886604	433499.339119738	3027.596342771229	2937.2680957652056	2857.554733801074	2857.554733801074	80.1465414	80.1465414
528	45	40488	-23121.14133	828037.3170250766	39.148956365037425	-100.7881391	337462.0891691215	433499.334546164	3025.202117238607	2936.83131342327	2851.813609701474	2851.813609701474	82.0227043	82.0227043
529	45	40489	-22461.14133	828037.3170250766	39.14895818114322	-100.7879489	337663.133977809	433499.334546164	3023.877851945424	2935.8451781571934	2848.32518714571934	2848.32518714571934	83.1241983272098	83.1241983272098
530	45	40490	-21801.14133	828037.3170250766	39.14895931479154	-100.7877623	337864.1786450191	433499.334546164	3020.413553952018	2935.062500136437	2837.729778702484	2837.729778702484	83.1241983272098	83.1241983272098
531	45	40491	-21141.14133	828037.3170250766	39.1489607328031	-100.7875916	338065.2231591352	433499.334546164	3021.7712132	2934.193168766225	2828.718536844190			

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.f	BREIEvLogKrg.f	SatThkLog.f	SatThkBoth.f
613	55	40573	32789.8586730335	828037.3170250766	39.14892773986677	-100.6832017	354560.3539973673	3434562.51494304	2955.1906135055215	2931.140975602534	2757.30352026751	2757.641869464154	73.4734553302315	73.49910613838028
614	55	40574	33438.8586730335	828037.3170250766	39.14892547212956	-100.6808274	354751.3860458047	343464.561131908	2935.1968354204036	2929.2224746019885	2758.0342605001532	2758.4942605001532	73.4726521166344	73.4726521166344
615	55	40575	34298.8586730335	828037.3170250766	39.14892115445624	-100.678491	354852.4176871725	343465.351456427	2950.7674021447847	2927.94932323377	2758.250039081564	2758.79218187548	73.4726521166344	73.4726521166344
616	55	40576	34958.8586730335	828037.3170250766	39.14892080185281	-100.6762227	355143.4980040034	343460.5789710503	2947.89319315677	2925.731461508716	2757.7090373708723	2757.6637933704034	73.4726521166344	73.4726521166344
617	55	40577	35618.8586730335	828037.3170250766	39.14891839931372	-100.6738964	355354.8414666131	343463.600657719	2945.019236	2823.44521206382	2756.6943180184526	2760.3405138398887	73.4726521166344	73.4726521166344
618	55	40578	36278.8586730335	828037.3170250766	39.1489158193965	-100.67157	355555.51299242984	343462.162216594	2942.1525570122393	2754.8235620545797	2761.27203808172	2760.98904462928	73.4726521166344	73.4726521166344
619	55	40579	36938.8586730335	828037.3170250766	39.14891345943191	-100.6692437	355756.5443780576	343462.600657719	2939.0864397016683	2819.0646328788725	2752.3543419862785	2761.8703512934353	73.4726521166344	73.4726521166344
620	55	40580	37598.8586730335	828037.3170250766	39.1489102920907	-100.6669174	355957.576237000	343462.664704545	2935.8429746294214	2817.681857861674	2749.268563677007	2763.669407429509	73.4726521166344	73.4726521166344
621	55	40581	38258.8586730335	828037.3170250766	39.148907629814156	-100.664581	356158.6067295644	343462.68912548	2938.599545646986	2815.785042	2758.7234874262413	2755.581146475090	73.4726521166344	73.4726521166344
622	55	40582	38918.8586730335	828037.3170250766	39.1489051204415	-100.662547	356359.5376958414	343461.711672571	2938.599545646986	2815.785042	2758.7234874262413	2755.581146475090	73.4726521166344	73.4726521166344
623	55	40583	39578.8586730335	828037.3170250766	39.148903040460084	-100.660393	356580.6685227655	343461.734391075	2938.00927623333	2811.9653577262536	2742.9548251005128	2742.9924953404197	73.4726521166344	73.4726521166344
624	55	40584	40238.8586730335	828037.3170250766	39.14890023381916	-100.657612	356761.6992015178	343460.757282272	2928.559006	2808.113579891286	2743.711669144033	2742.2495878789704	73.4726521166344	73.4726521166344
625	55	40585	40898.8586730335	828037.3170250766	39.14889756136972	-100.6552857	356962.729735055	343460.783406272	2928.559006	2808.113579891286	2743.711669144033	2742.2495878789704	73.4726521166344	73.4726521166344
626	55	40586	41558.8586730335	828037.3170250766	39.14889474423443	-100.6529593	357163.760169345	343460.804	2928.559006	2808.113579891286	2743.711669144033	2742.2495878789704	73.4726521166344	73.4726521166344
627	55	40587	42188.8586730335	828037.3170250766	39.14889190254311	-100.650633	357364.7904400113	343460.82688521	2927.4852584807846	2806.328456022241	2749.4980817669884	2748.336713217149658	73.4726521166344	73.4726521166344
628	55	40588	42878.8586730335	828037.3170250766	39.148889055728728	-100.648306	357565.820730307	343462.8506773	2922.5819703807373	2802.884540599497	2748.671658	2742.0485980402226	73.4726521166344	73.4726521166344
629	55	40589	43538.8586730335	828037.3170250766	39.1488860	-100.645983	357768.8506892177	343458.874131881	2917.691033627	2800.8543869773	2748.3605862082093	2742.811224796045	73.4726521166344	73.4726521166344
630	55	40590	44198.8586730335	828037.3170250766	39.148883072729635	-100.643654	357967.8805	343464.898240217	2912.7910731632249	2799.036324	2749.648040409431	2744.4286582442895	73.4726521166344	73.4726521166344
631	55	40591	44858.8586730335	828037.3170250766	39.148880045679796	-100.6413276	358188.910245205	343458.923235404	2907.767948623006	2797.227690369329	2748.47826295381	2745.12341488051	73.4726521166344	73.4726521166344
632	55	40592	45518.8586730335	828037.3170250766	39.14887669912924	-100.639013	358369.936286928	34345.7647	2907.2259304783353	2797.227690369329	2748.47826295381	2745.12341488051	73.4726521166344	73.4726521166344
633	55	40593	46178.8586730335	828037.3170250766	39.14887384764466	-100.636749	358570.969	343457.971041675	2905.149313238335	2793.67783491625	2747.8487724038403	2745.104284160963	73.4726521166344	73.4726521166344
634	55	40594	46838.8586730335	828037.3170250766	39.1488708122605	-100.634346	358771.99857676217	343458.965652741	2903.19614718892	2791.85646395887	2746.043461180155	2747.338765904392	73.4726521166344	73.4726521166344
635	55	40595	47498.8586730335	828037.3170250766	39.148867826873481	-100.631943	358972.14781752	343459.0240217	2901.85646395887	2791.85646395887	2746.043461180155	2747.338765904392	73.4726521166344	73.4726521166344
636	55	40596	48158.8586730335	828037.3170250766	39.1488642135685	-100.629595	359174.057828728	3434561.0300589	2897.97548796025	2788.321701837624	2738.7805759431794	2739.124862389206	73.4726521166344	73.4726521166344
637	55	40597	48818.8586730335	828037.3170250766	39.14886091236623	-100.6273696	359375.08560016137	343455.457971555	2895.875905478605	2786.56610288147	2738.84076950051	2738.694317317149658	73.4726521166344	73.4726521166344
638	55	40598	49478.8586730335	828037.3170250766	39.148857566211625	-100.6250433	359576.114400496	343453.95083383	2892.582320654934	2784.819635419003	2739.509476205167	2739.56248280272	73.4726521166344	73.4726521166344
639	55	40599	50138.8586730335	828037.3170250766	39.1488547152303	-100.6227169	359777.1430573244	343459.1287019	2888.88562546934	2783.080861821895	2739.98843687558	2740.17762058472	73.4726521166344	73.4726521166344
640	55	40600	50798.8586730335	828037.3170250766	39.14885073910044	-100.620396	359978.175542362	343454.14692903	2893.149259271306	2781.350651768652	2738.852363662518	2740.38293626893	73.4726521166344	73.4726521166344
641	55	40601	51458.8586730335	828037.3170250766	39.14884782681481	-100.6178649	360178.1980782347	343451.17244077	2889.483268981873	2779.82689861873	2738.852363662518	2740.38293626893	73.4726521166344	73.4726521166344
642	55	40602	52118.8586730335	828037.3170250766	39.148844877585404	-100.615373	360380.22510753	343452.13825751	2887.4796518695074	2778.92471630915	2740.17762058472	2740.38293626893	73.4726521166344	73.4726521166344
643	55	40603	52778.8586730335	828037.3170250766	39.14884016142892	-100.613116	360581.2560709588	343453.22188856	2882.878008138756	2776.21336906191	2738.69823770014	2739.90364281685	73.4726521166344	73.4726521166344
644	55	40604	53438.8586730335	828037.3170250766	39.148836545670484	-100.610852	360782.2815532326	343452.5124874	2882.73908756549	2774.514787	2738.69823770014	2739.90364281685	73.4726521166344	73.4726521166344
645	55	40605	54098.8586730335	828037.3170250766	39.148832849878106	-100.608758	360983.9119670404	343452.57270687	2874.59925714874	2772.827006369204	2740.209253639533	2740.2907104185927	73.4726521166344	73.4726521166344
646	55	40606	54758.8586730335	828037.3170250766	39.14882917935179	-100.6064326	361184.3396451706	343451.30349474	2875.45495273494	2771.148913172396	2740.7326475900454	2740.856952493667	73.4726521166344	73.4726521166344
647	55	40607	55418.8586730335	828037.3170250766	39.148825428791525	-100.604162	361385.367188956	343451.313404096	2874.59925714874	2771.148913172396	2740.7326475900454	2740.856952493667	73.4726521166344	73.4726521166344
648	55	40608	56078.8586730335	828037.3170250766	39.148821632977	-100.60179	361586.394596543	343451.313404096	2874.59925714874	2771.148913172396	2740.7326475900454	2740.856952493667	73.4726521166344	73.4726521166344
649	55	40609	56738.8586730335	828037.3170250766	39.14881773682699	-100.5994358	361787.4129	343450.93456821	2855.99638456821	2766.184533404126	2740.772023565024	2741.047611286549	73.4726521166344	73.4726521166344
650	55	40610	57398.8586730335	828037.3170250766	39.148813907507254	-100.5971272	361988.49	343450.514280799	2848.03954132214	2764.55840993843	2741.38853782815	2739.9364349204317	73.4726521166344	73.4726521166344
651	55	40611	58058.8586730335	828037.3170250766	39.1488097721135	-100.5948009	362189.476021806	343451.02407825	2844.2856308732054	2762.955806329094	2740.169229442093	2736.74371833468	73.4726521166344	73.4726521166344
652	55	40612	58718.8586730335	828037.3170250766	39.14880601981534	-100.5924746	362390.502895044	343447.48904547	2844.766175011474	2761.379487453216	2738.645624282365	2734.5897639310974	73.4726521166344	73.4726521166344
653	55	40613	59378.8586730335	828037.3170250766	39.14880198187854	-100.5901482	362591.5296367629	343449.49592197	2843.984591818274	2759.830397056418	2738.694832	2731.063427	73.4726521166344	73.4726521166344
654	55	40614	60038.8586730335	828037.3170250766	39.1487976172028	-100.5878219	362792.5564244581	343448.532901152	2845.70309329116	2758.310253317234	2738.310253317234	2737.635946259622	73.4726521166344	73.4726521166344
655	55	40615	60698.8586730335	828037.3170250766	39.14879387691209	-100.585491	362993.586816683	343448.532901152	2845.70309329116	2758.310253317234	2738.310253317234	2737.635946259622	73.4726521166344	73.4726521166344
656	55	40616	61358.8586730335	828037.3170250766	39.14878965172028	-100.5831692	363194.61906195745	343448.532901152	2845.70309329116	2758.310253317234	2738.310253317234	2737.635946259622		

id	id	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SunElev.h	WLR	BREILogs.km/h	BREILogBtkg.m	SatLogs.km	SatBoth.h	
73	55	40699	11618.858670/7335	820307.3170250766	181.4282815108002	120.3900848	37078.3535430924	4331512.534962352	2774.423259820935	2641.764530700722	259.10811848314	2595.1993468337083	48.6625911275825	46.56551814749494
74	55	40701	11679.858670/7335	820307.3170250766	19.1482602170617	130.877585	38080.3694748622	4331.481577749915	2722.385039837214	2640.7917773522	2595.07472503497	2595.27561695347	45.20440523172456	45.0212802203948
75	55	40701	11679.858670/7335	820307.3170250766	19.1482602170617	120.068725	31488.50159518816	4332.331.44880281	2722.3850373129	2640.7917773522	2595.07472503497	2595.27561695347	45.20440523172456	45.0212802203948
2	56	40702	-70281.1413	820307.3170250766	19.14372497566646	120.104566	312689.6583013051	4337.317.38268699	400.31421245845	3656.552224	339.408329494494	360.02069271014	47.1438940202671014	46.550151378315602
3	56	40702	-369621.213	820307.3170250766	19.14372497566646	120.104566	312689.6583013051	4337.317.38268699	400.31421245845	3656.552224	339.408329494494	360.02069271014	47.1438940202671014	46.550151378315602
4	56	40702	-369621.213	820307.3170250766	19.14372497566646	120.104566	312689.6583013051	4337.317.38268699	400.31421245845	3656.552224	339.408329494494	360.02069271014	47.1438940202671014	46.550151378315602
5	56	40705	-368301.1413	820307.3170250766	19.1438254703613	120.095627	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
6	56	40705	-368301.1413	820307.3170250766	19.1438254703613	120.095627	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
7	56	40706	-366981.1413	820307.3170250766	19.14385045257308	120.092168	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
8	56	40706	-366981.1413	820307.3170250766	19.14385045257308	120.092168	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
9	56	40709	-366981.1413	820307.3170250766	19.14385045257308	120.092168	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
10	56	40709	-366981.1413	820307.3170250766	19.14385045257308	120.092168	322934.2820373442	4337.317.38268699	398.40738262586	361.3474397780	381.35946381939	381.35946381939	45.7937281084135	45.7937281084135
11	56	40711	-363431.1413	820307.3170250766	19.1439503	120.083129	32350.0556103932	4337.317.38268699	382.44054590184	364.8543830409373	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
12	56	40712	-363681.1413	820307.3170250766	19.14397480462281	120.081269	32350.0556103932	4337.317.38268699	382.44054590184	364.8543830409373	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
13	56	40713	-363021.1413	820307.3170250766	19.14399954242541	120.078961	32390.26323712938	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
14	56	40714	-362361.1413	820307.3170250766	19.1440234350546	120.074639	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
15	56	40715	-361701.1413	820307.3170250766	19.1440488766629	120.070439	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
16	56	40716	-361151.1413	820307.3170250766	19.14407317151259	120.067311	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
17	56	40717	-360381.1413	820307.3170250766	19.14409803702676	120.065671	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
18	56	40718	-359721.1413	820307.3170250766	19.14412125859192	120.067311	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
19	56	40719	-359061.1413	820307.3170250766	19.14414701506584	120.065021	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
20	56	40720	-358401.1413	820307.3170250766	19.14417414	120.062671	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
21	56	40721	-357741.1413	820307.3170250766	19.1441988133203	120.060352	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
22	56	40722	-357081.1413	820307.3170250766	19.14422443	120.058712	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
23	56	40723	-356421.1413	820307.3170250766	19.1442686735501	120.056372	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
24	56	40724	-355761.1413	820307.3170250766	19.1442986735501	120.054372	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
25	56	40725	-355011.1413	820307.3170250766	19.14432867204836	120.052142	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
26	56	40726	-354441.1413	820307.3170250766	19.144341702	120.049722	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
27	56	40727	-353791.1413	820307.3170250766	19.14436112567224	120.047322	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
28	56	40728	-353141.1413	820307.3170250766	19.1443812096776	120.045173	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
29	56	40729	-352461.1413	820307.3170250766	19.14441131780584	120.043193	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
30	56	40730	-351801.1413	820307.3170250766	19.14443118120584	120.041393	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
31	56	40731	-351141.1413	820307.3170250766	19.14445137088198	120.039763	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
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33	56	40733	-349821.1413	820307.3170250766	19.1444899169075	120.036152	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
34	56	40734	-349161.1413	820307.3170250766	19.14451052617259	120.034315	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
35	56	40735	-348501.1413	820307.3170250766	19.1445326900558	120.032583	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
36	56	40736	-347841.1413	820307.3170250766	19.14455607177814	120.025433	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
37	56	40737	-347181.1413	820307.3170250766	19.1445797266263	120.023132	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
38	56	40738	-346521.1413	820307.3170250766	19.1446034255119	120.020812	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
39	56	40739	-345861.1413	820307.3170250766	19.14462891	120.018482	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
40	56	40740	-345201.1413	820307.3170250766	19.144653626295	120.016152	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
41	56	40741	-344541.1413	820307.3170250766	19.144673917831	120.013832	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
42	56	40742	-343881.1413	820307.3170250766	19.1446973450133	120.011572	32430.15166028314	4337.317.38268699	382.44054590184	364.854383040937	383.0307320226693	383.0307320226693	47.1438940202671014	46.550151378315602
43	56	40743	-343221.1413	820307.3170250766	19.1447270331928	120.009182	32430.15166028314	4337.317.38268699						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLL	BRIElevKgr.f	BRIElevBothKgr.f	SatThKLog.s	SatThKBoth.f
125	4028	-289101.1413		826997.3170250766	39.14648569445651	-101.8184431	562429.95198714033	4336816.124659911	3757.4448089915905	3655.37121470372	3637.3196611044414	3630.6497735125345	18.055466365930685	24.725347957837585
126	4026	-288441.1413		826997.3170250766	39.146505535935524	-101.816117	556631.0771197143	4336812.078635145	3751.01553739133	3652.8739624786126	3634.153732	3615.2313910226483	18.72023093	37.64077225212641
127	4026	-28781.1413		826997.3170250766	39.14652496848728	-101.817369	56682.2020102544	4336810.014787097	3745.380162111495	3650.3849151051054	3630.769492500535	3638.2435176595653	19.615894455420196	52.14197319110008
128	4026	-287121.1413		826997.3170250766	39.14654453811169	-101.8114648	57033.0666021866	4336809.95111158	3747.3086740037364	3647.90870273364	3647.90870273364	3645.97839181262	19.43139994276862	72.1268070910437
129	4026	-286641.1413		826997.3170250766	39.1465604280877	-101.8091386	572324.3510696842	4336798.981691327	3735.6972859565556	3645.443148034205	3625.417286663293	3635.97682749163	20.02596147409738	74.9706533425731
130	4030	-285801.1413		826997.3170250766	39.146563542578476	-101.8068125	574573.5752326656	4336794.824299595	3735.852757879236	3642.9670837745143	3623.223237503308	3636.76076069349	19.7634627120615	90.91041316516521
131	4031	-285141.1413		826997.3170250766	39.146602237742072	-101.8044864	57636.96916859415	4336791.761155549	3727.8439616133078	3640.0991576133078	3620.8854307861633	3537.770045141887	19.605320529650384	102.76943273437807
132	4032	-284481.1413		826997.3170250766	39.14662237	-101.8021602	57587.82258051434	4336787.09818368	3726.6177170080871	3638.039157241239	3619.292878031412	3512.260635624396	18.806279209827153	105.8382621684390
133	4033	-283821.1413		826997.3170250766	39.14664171222826	-101.7996541	57683.94655997849	4336783.63389604	3726.47965565454	3635.5054656959587	3617.7835917189254	3536.7594949684298	17.88142865732258	96.9067810552934
134	4034	-283161.1413		826997.3170250766	39.146651012362316	-101.7975079	578240.09581618708	4336775.572781494	3724.27480059997	3633.226463	3616.3857214852923	3550.487735307176	16.850714594027568	82.75572726
135	4035	-282501.1413		826997.3170250766	39.1466800267514796	-101.7951818	584841.194982697	4336775.10321442	3725.1662734312	3630.8105672395647	3615.043205139783	3606.7500750051697	15.76372725584304	70.462071876791
136	4036	-281841.1413		826997.3170250766	39.14669947771939	-101.7928557	58642.3152213506	4336771.40487847	3728.086054482628	3628.3975726032	3613.42824772419	3569.605325787876	14.959150953613062	58.78202493815543
137	4037	-281181.1413		826997.3170250766	39.14671864299633	-101.7905295	58843.43771449657	4336767.386	3731.0057374652524	3625.96001285286	3611.990479312882	3575.967710091405	13.97552197240384	50.38890037121246
138	4038	-280521.1413		826997.3170250766	39.14673733456055	-101.7882034	59044.559990487	4336763.324080396	3733.925405826533	3621.54550265533	3610.346969021348	3580.5971673734686	13.19837364056276	42.94834753206487
139	4038	-279961.1413		826997.3170250766	39.14675683876715	-101.7858772	59245.68198516706	4336762.35425227	3734.26627017783	3621.1245547275603	3609.172553507744	3574.438927518445	11.98729937684584	36.6899270911547
140	4040	-279001.1413		826997.3170250766	39.14677589205956	-101.7835511	59446.1807305734	4336755.20768087	3732.028139552142	3618.701806304357	3607.761123830897	3587.9321394215663	10.94082200347055	30.76966616889472
141	4041	-278541.1413		826997.3170250766	39.14679485482698	-101.7812249	59647.9253029273	4336751.13942967	3730.790008296153	3616.275967	3607.1356906968927	3591.462406785114	9.8402765274468	24.81350271326867
142	4042	-277881.1413		826997.3170250766	39.14681317546516	-101.7788988	59849.4064037078	4336747.078	3727.551878306864	3615.845722028383	3605.830796057346	3594.8133620567634	8.196236013695197	16.63507313695197
143	4043	-277221.1413		826997.3170250766	39.146832681175476	-101.7765726	60050.16766940255	4336743.01716458	3723.820486198812	3611.409838059878	3604.812815982577	3595.87700356554	6.597023823410865	15.53283615
144	4044	-276561.1413		826997.3170250766	39.14685154195792	-101.7742465	60205.22849642607	433673.8956	3718.59579	3608.96710380784	3604.3200372132025	3597.58073949456	4.647063180757888	11.38636093422428
145	4045	-275901.1413		826997.3170250766	39.14687034781183	-101.7719203	60462.490962448	4336734.89560354	3713.37108942749	3605.51603497189	3604.131571462493	3599.432571462493	3.244863517	7.083491209140902
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147	4047	-274581.1413		826997.3170250766	39.1471470442635	-101.7673117	60869.18970824	4336740.65565329	3704.04314414871	3603.582201441489	3604.143001520897	3623.278051801074	0	0
148	4048	-273921.1413		826997.3170250766	39.14692645805002	-101.7649149	61055.76943522746	4336772.71495214	3691.819580309653	3599.10184082129	3605.136300803455	3605.1304865365	0	0
149	4049	-273261.1413		826997.3170250766	39.14694512195046	-101.7626157	61256.2586077582	4336718.654573922	3682.676145111714	3596.760518840289	3605.635343688735	3606.32121300024	0	0
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151	4051	-271941.1413		826997.3170250766	39.14698223945096	-101.7579634	61659.1276553472	4336701.535251377	3673.2055869867168	3591.5817194572483	3606.9728669338856	3608.6234961889522	0	0
152	4052	-271281.1413		826997.3170250766	39.1470073080898	-101.7556372	61860.2465904748	4336706.475804025	3681.691981287466	3589.0496147375166	3607.90095260257	3609.94860014023914	0	0
153	4053	-270621.1413		826997.3170250766	39.1470191732878	-101.7533111	62061.36529030727	4336702.61853269	3686.17378788214	3588.5048358788726	3608.84358722887	3611.236550506858	0	0
154	4054	-269961.1413		826997.3170250766	39.1470375948	-101.7509489	62269.46457407	4336698.357437125	3689.467547407	3588.6452678474	3610.05487088961	3612.58456787974	0	0
155	4055	-269301.1413		826997.3170250766	39.14705593531359	-101.7486587	62463.6010832857	4336694.298517562	3704.2456582451196	3581.37299934171	3611.5952508679	3613.2888602032417	0	0
156	4056	-268641.1413		826997.3170250766	39.14707246958456	-101.7463326	62664.7199733715	4336702.3977915	3706.921040566904	3578.791316428756	3613.418430278316	3614.932513820334	0	0
157	4057	-267981.1413		826997.3170250766	39.14709251367517	-101.7440064	62865.8373673005	4336686.18201493	3709.5964230682607	3576.194687	3615.529529	3616.5887815433557	0	0
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159	4059	-266661.1413		826997.3170250766	39.147128912233176	-101.7393541	63268.0275522403	4336678.04598599	3715.7410263531	3570.9640451554065	3615.93075404309483	3620.8716548957988	0	0
160	4060	-266001.1413		826997.3170250766	39.1471470442635	-101.7370172	63469.18970824	4336740.65565329	3704.04314414871	3603.582201441489	3604.143001520897	3623.278051801074	0	0
161	4061	-265341.1413		826997.3170250766	39.147165121266384	-101.7347017	63670.3067307625	4336679.94892166	3712.265575274124	3565.881238525216	3612.5718740061624	3625.8514056787974	0	0
162	4062	-264681.1413		826997.3170250766	39.14718317	-101.7323756	63871.4231	4336665.91003855	3728.530737129527	3563.02151689172	3610.706838	3628.112887441103	0	0
163	4063	-264021.1413		826997.3170250766	39.14720117048647	-101.7300944	64047.5394746463	4336661.833491421	3728.753274881775	3560.3505241533703	3608.48309955992	3628.704784787308	0	0
164	4064	-263361.1413		826997.3170250766	39.147219122703675	-101.7277232	64273.655965182	4336657.776154851	3724.93140730688	3557.6683555020095	3605.940173903666	3630.36732504834978	0	0
165	4065	-262701.1413		826997.3170250766	39.14723702999227	-101.725387	64474.714852848	4336653.718994127	3721.17109273091	3557.9752220733	3602.0485023114496	3631.048436115978	0	0
166	4066	-262041.1413		826997.3170250766	39.14725488	-101.7231075	64675.88714115095	4336646.60592048	3717.258192905338	3552.271621939197	3598.17500534041	3631.97873023716	0	0
167	4067	-261381.1413		826997.3170250766	39.147272979368	-101.7207818	64892.629029211	4336640.4292793154	3714.936491622786	3549.6849115222	3598.5849115222	3632.5849115222	0	0
168	4068	-260721.1413		826997.3170250766	39.14729442885504	-101.7184105	65078.1717594873	4336641.54856702	3713.5033154796347	3548.834958373158	3598.834958373158	3630.41098032996	0	0
169	4069	-260061.1413		826997.3170250766	39.1473082985594	-101.7160923	65279.2327133904	4336637.492109618	3712.2456407469971	3544.102907814026	3583.9479378135807	3626.65839139391	0	0
170	4070	-259401.1413		826997.3170250766	39.1473265205449	-101.7137662	65480.34293470167	4336633.85280252	3710.987961134341	3541.364035	3579.145588976813	3623.15182813903	0	0
171	4071	-258741.1413		826997.3170250766	39.14734353020596	-101.71144	65681.4613413483	4336629.3797222935	3709.8881998782504	3538.6203269595353	3574.042403514254	3617.9503406131685	0	0
172	4072	-258081.1413		826997.3170250766	39.14736112300785	-101.7091138	65882.571969896	4336623.32793238	3708.846320488999	3535.87195440393	3568.9854940268233	3612.027770222193</		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThLog.s	SatThBoth.f		
251	56	40951	-205941.1413	826997.3170250766	39.148608975340466	-101.525342	281769.888552347	4336305.460267425	3370.76698034869	3313.544564787486	3352.755809415185	3356.047061335426	0	0		
252	56	40952	-205281.1413	826997.3170250766	39.14862297371894	-101.5230157	281970.9844543375	4336301.41836759	3434.336147714566	3310.805943802895	3350.365271650247	3352.803289433034	0	0		
253	56	40953	-204621.1413	826997.3170250766	39.1487197429147	-101.506718	282176.8536942204	4336297.1300400498	3438.9645947	3308.675431185564	3347.887377880425	3349.987714521891	0	0		
254	56	40954	-203961.1413	826997.3170250766	39.14865835682126	-101.5183632	283737.170859101	4336393.35100233	3433.5962447703603	3305.3626444919319	3345.205504540783	3347.241911693036	0	0		
255	56	40955	-203301.1413	826997.3170250766	39.14864669266746	-101.5160369	282574.27283409087	4336289.293741816	3440.18142295799	3302.658572758896	3342.6371300761457	3341.7813422138743	0	0		
256	56	40956	-202641.1413	826997.3170250766	39.14867852	-101.5137107	282775.3667870736	4336285.253	3428.7242054463555	3299.96656088167	3339.88038168394	3340.062340926307	0	0		
257	56	40957	-201981.1413	826997.3170250766	39.1486292161489	-101.513844	282976.46368726494	4336281.215405553	3417.2671023741197	3297.2871138748976	3336.486416789085	3337.057130339793	0	0		
258	56	40958	-201321.1413	826997.3170250766	39.148706204341	-101.509081	283177.558792691	4336271.17070286	3405.808623230843	3294.6225357096674	3323.9581303999768	3333.517284011924	0	0		
259	56	40959	-200661.1413	826997.3170250766	39.1487197429147	-101.506718	283376.8536942204	4336273.1300400498	3408.489947	3297.875497710057	3328.58738398689	3329.183571714005	0	0		
260	56	40960	-200001.1413	826997.3170250766	39.1487333431909	-101.5044056	283579.748321304	4336269.089554862	3410.28038100768	3289.34100424959	3323.2074025546702	3323.50142629304	0	0		
261	56	40961	-199341.1413	826997.3170250766	39.14874693721524	-101.5020793	283780.8428265973	4336265.04201022	3417.078814833068	3286.723238033335	3317.536812820394	3315.682103495437	0	0		
262	56	40962	-198681.1413	826997.3170250766	39.14876043692794	-101.497531	283981.9377792973	4336261.09102096	3424.879248660183	3284.122880253047	3311.6999399653423	3306.671567402747	0	0		
263	56	40963	-198021.1413	826997.3170250766	39.148747989041299	-101.4974268	284183.031160332	4336256.969140831	3423.3891777476978	3281.5407689171743	3306.0898278184864	3302.9612125425	0	0		
264	56	40964	-197361.1413	826997.3170250766	39.14877474961458	-101.4951005	284384.12494141026	4336252.92353896	3415.609392094018	3278.97059260377	3307.37060455962	3290.32614744328	0	0		
265	56	40965	-196761.1413	826997.3170250766	39.1488008389587	-101.4927742	284585.21855416615	4336248.889742084	3407.829674410593	3276.448012191987	3295.924352752326	3287.171138621103	0	0		
266	56	40966	-196101.1413	826997.3170250766	39.1488123322297	-101.490448	284786.3115540566	4336244.85035305	3400.049907880997	3273.88938632205	3291.5275291311275	3288.004141166527	0	0		
267	56	40967	-195381.1413	826997.3170250766	39.14882756729716	-101.4881127	284987.405142639	4336240.811043814	3397.182735239427	3271.36008083963745	3287.522674782352	3287.300708344373	0	0		
268	56	40968	-194721.1413	826997.3170250766	39.14884083710482	-101.4857954	285188.4981187575	4336236.719763339	3399.227994645858	3268.847579689304	3282.490751413198	3285.47539034694	0	0		
269	56	40969	-194061.1413	826997.3170250766	39.14885407164825	-101.4834691	285389.590803781	4336232.733045964	3401.273255732334	3266.3491943123026	3274.754526978265	3282.3675474623	0	0		
270	56	40970	-193401.1413	826997.3170250766	39.14886716215999	-101.4811428	285590.6834	4336228.694306718	3403.815616897878	3263.8646274807354	3266.7154741434347	3280.89242734193	0	0		
271	56	40971	-192741.1413	826997.3170250766	39.14887866	-101.4788166	285791.775771344	4336220.4784165	3403.998681687963	3262.392988266655	3259.8982679205403	3281.419101141893	14971309021561865	0	0	
272	56	40972	-192081.1413	826997.3170250766	39.1488935056822	-101.4764903	286076.96077287	4336216.617362465	3400.296701434864	3258.991146722035	3258.923424538467	3284.76248938958624	0.758704183667716	0	0	
273	56	40973	-191421.1413	826997.3170250766	39.1490171843159	-101.474323	286308.135692006	4336212.3538369032	3408.529634969896	3256.4786969906	3256.913813837495	3281.12716291427	79.754315768355	0	0	
274	56	40974	-190761.1413	826997.3170250766	39.1489195703935	-101.4718377	286395.051534255	4336212.54111528	3401.90887505343	3254.029735284796	3241.0571984131916	3291.432927335804	12.9752368562802	0	0	
275	56	40975	-190101.1413	826997.3170250766	39.14893253342205	-101.4695114	286596.1430323638	4336208.103	3405.81037338649	3251.595041271518	3235.5089289716874	3289.94542579807	16.880111899630485	0	0	
276	56	40976	-189441.1413	826997.3170250766	39.1489456	-101.4671852	286797.234200012	4336204.45684547	3414.3081586513563	3249.171516483686	3229.840323381898	3285.38729266806	19.33119310570534	0	0	
277	56	40977	-188781.1413	826997.3170250766	39.14895833045232	-101.4648589	286998.3253971617	4336202.80580576	3246.760131593079	3224.3119636025377	3227.439578681029	3284.766799045215	0	0		
278	56	40978	-188121.1413	826997.3170250766	39.1489711600951	-101.4625326	287199.1416264368	4336196.391	3411.303804767722	3244.362077	3218.689011806702	3282.12978471575	26.75306504537896	0	0	
279	56	40979	-187461.1413	826997.3170250766	39.1489834583948	-101.460293	287400.506925156	4336182.3536903932	3408.529634969896	3256.4786969906	3256.913813837495	3281.12716291427	79.754315768355	0	0	
280	56	40980	-186801.1413	826997.3170250766	39.14899612811418	-101.457139	287601.59737219	4336178.116757134	3417.41764781923	3252.0252322111	3250.8544562545104	3281.12716291427	79.754315768355	0	0	
281	56	40981	-186141.1413	826997.3170250766	39.149009381489535	-101.4555357	287802.8676084517	4336184.28	3405.327609491893	3247.26471825094	3230.368653426582	3272.370872415483	36.8978623743561	9.89262858345502	0	0
282	56	40982	-185481.1413	826997.3170250766	39.149022031918986	-101.4532274	288003.7776381486	4336180.243128652	3403.75259522427	3234.941636	3193.9935471286622	3205.700334942739	29.2413014472806	0	0	
283	56	40983	-184821.1413	826997.3170250766	39.14903465741624	-101.4509011	288204.8674508274	4336176.20666778	3393.044244	3232.647358742952	3187.405432348159	3184.831721	45.21263939	47.81563790912196	0	0
284	56	40984	-184161.1413	826997.3170250766	39.14904719781574	-101.4485749	288405.9571	4336172.170381963	3404.7417673784618	3231.76274749568	3181.369020112082	3170.226695776182	49.06256640138876	60.15853167338566	0	0
285	56	40985	-183501.1413	826997.3170250766	39.149059713814825	-101.4462486	288607.0464742595	4336168.134271314	3416.45103696558	3228.160445235295	3178.653174440487	3165.92302306527584	70.52520306527584	70.52520306527584	0	0
286	56	40986	-182841.1413	826997.3170250766	39.1490721843159	-101.443923	288808.135692006	4336154.1535354452	3408.529634969896	3256.4786969906	3256.913813837495	3281.12716291427	79.754315768355	0	0	
287	56	40987	-182181.1413	826997.3170250766	39.149084810085026	-101.4411596	289009.225652368	4336160.683	3403.44059459306	3223.805026885347	3159.615076413374	3136.680750264648	63.23444224719739	87.1597682208677	0	0
288	56	40988	-181521.1413	826997.3170250766	39.14909905902807	-101.4392697	289210.3135319845	4336156.0296443	3402.310276788927	3221.7832257529034	3152.16570619411	3145.8695123414636	69.61752009439222	75.9137518643973	0	0
289	56	40989	-180861.1413	826997.3170250766	39.14910932683279	-101.4369434	289411.4021	4336152.9157442	3401.179628818803	3219.789376	3143.7115574	3136.362242822996	63.0762382492963	63.0762382492963	0	0
290	56	40990	-180201.1413	826997.3170250766	39.149121671805356	-101.4346171	289612.4904702485	4336147.95633093	3400.049907880997	3217.8824048014633	3134.845895154885	3136.0943878553076	63.03688346517819	54.788542549615576	0	0
291	56	40991	-179541.1413	826997.3170250766	39.14913383845655	-101.4322098	289831.57862678095	4336143.931227272	3400.049907880997	3216.07915256722	3132.86195326718	3132.86195326718	63.03688346517819	54.788542549615576	0	0
292	56	40992	-178881.1413	826997.3170250766	39.14914606495776	-101.4299465	290014.6665761825	4336139.88	3405.402054292114	3214.36969780154	3131.45858180360297	3123.853574342097	90.9117794147441	90.9117794147441	0	0
293	56	40993	-178221.1413	826997.3170250766	39.1491582965377	-101.427618	290215.75417035	4336135.13880085	3408.529634969896	3256.4786969906	3256.913813837495	3281.12716291427	79.754315768355	0	0	
294	56	40994	-177561.1413	826997.3170250766	39.14917033373718	-101.4253119	290416.818455404	4336131.8171444005	3419.119919376783	3211.461874451919	3115.8518974451353	3163.3011725400564	98.977141466574	88.1605116308686	0	0
295	56	40995	-176901.1413	826997.3170250766	39.14918238686446	-101.4229586	290617.92918389626	4336127.782782979	3415.535867390876	3210.32459800101	3123.302697068016	3198.966734772516	83.8918327329942	11.267792752849346	0	0
296	56	40996	-176241.1413	826997.3170250766	39.14919442006341	-101.4206593	290819.016306946	4336123.74856412	3411.328803795306	3209.175193298215	3122.579614032549	3183.890532645049	6.217492825197951	0	0	
297	56	40997	-175581.1413	826997.3170250766	39.14920635961003	-101.418333	291021.032	4336119.17845737	3407.121794159438	3208.2765753845						

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogs.ft	BRElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
377	56	4107	-122781.1413	826997.3170250766	39.15001892960103	-121.2322267	307106.40725841383	4335797.5596909192	332.1655208422976	317.3833956899025	331.66040495942124	313.3614368979717	319.62500969007	44.0205070193081
378	56	4108	-122121.1413	826997.3170250766	39.15002726640042	-121.229004	307307.40713699176	4335793.539730474	330.1321601245956	317.1626380773046	310.96409096967	313.4900690967	43.7017473815264	
379	56	4109	-121661.1413	826997.3170250766	39.150035389568	-121.2266437	307598.548890095	4335798.5003041218	328.343365174989	317.0273800752134	312.790248512682	313.29435641510404	43.230135641510404	
380	56	4108	-120801.1413	826997.3170250766	39.15004380537695	-121.225476	3080.799761672353	4335795.500518606	328.799761672353	317.1607213712053	312.904964353115	312.62851032064	43.262582633	
381	56	4108	-120141.1413	826997.3170250766	39.150050201	-121.2225213	307910.8895745666	4335781.481720239	325.2505962356313	317.0724202675124	312.706417544061	312.7358176299573	43.2677851106292	
382	56	4108	-119481.1413	826997.3170250766	39.15006016455788	-121.205949	308111.7889955017	4335776.419696106	316.7889955017	312.705923819235	312.735415825011	312.7047309030495	43.1721406490343	
383	56	4108	-118821.1413	826997.3170250766	39.15006827674737	-121.182886	308312.82895617605	4335783.42296917	322.469832114485	316.7059235636313	312.45160772954296	312.88994892411064	43.29037055204474	
384	56	4108	-118161.1413	826997.3170250766	39.15007634004288	-121.159422	308513.9829040423	4335769.424170509	321.529161631957	316.6739512819027	312.3206235618823	312.24412916276125	43.2326595492907	
385	56	4108	-117501.1413	826997.3170250766	39.1500835389568	-121.136159	308714.9699218806	4335798.500518606	328.5898491484213	316.6118498498957	312.024613290207	312.9083369196895	43.2478156717847	
386	56	4108	-116841.1413	826997.3170250766	39.150092347311876	-121.112895	308916.0381026245	4335781.387014758	319.647821	316.11224851793	312.344823710796	312.143252710796	43.1774211709706	
387	56	4108	-116181.1413	826997.3170250766	39.15010027616534	-121.089632	309107.1070201563	4335757.368738678	331.9478240538028	316.16032072130624	312.0583703397245	312.3076978411983	43.190530813337906	
388	56	4108	-115521.1413	826997.3170250766	39.15010816368471	-121.066368	309318.1768240434	4335753.35069784	3315.4732667206578	316.0959277484086	316.6162611260684	311.91351342845876	43.098016358017685	
389	56	4108	-114861.1413	826997.3170250766	39.15011600627006	-121.043410	309519.24567670043	4335753.32655071	3313.0037815824458	315.491532023783	318.61873284521774	311.824158246034	43.06273737774862	
390	56	4109	-114201.1413	826997.3170250766	39.1501230923121	-121.0219841	309720.3143243275	4335745.315	3310.534300447413	315.56201165749255	317.380356878491	311.6630150371842	39.5217597	
391	56	4109	-113541.1413	826997.3170250766	39.15013155663846	-121.199657	309921.3827851301	4335719.297268151	3307.832785880613	315.292731089147	317.380356878491	311.6630150371842	39.5217597	
392	56	4109	-112881.1413	826997.3170250766	39.15013926	-121.197314	310122.45105031367	4335737.27983297	3304.89219883618	315.384547785441	311.436920400548	311.436920400548	39.22525729480254	
393	56	4109	-112221.1413	826997.3170250766	39.1501462772044	-121.195005	310233.51947108375	4335733.26257855	3301.965638866707	315.218156222012	312.849625830552	311.531256866705	39.16833091459678	
394	56	4109	-111561.1413	826997.3170250766	39.15015455	-121.1926786	310524.587048624	4335729.245493917	3299.03208786999	315.3553730545786	311.2117087831675	311.2117087831675	39.14104462600291	
395	56	4109	-110901.1413	826997.3170250766	39.1501621161555	-121.190323	310725.6547641975	4335725.22884117	3295.847014168635	314.4867807366318	310.95646167095483	310.622730455601	39.134569526962	
396	56	4109	-110241.1413	826997.3170250766	39.15016964212682	-121.1880259	310926.7223	4335721.21184839	3302.410327271136	314.48682615288407	310.97909728543997	310.97909728543997	39.78339375205742	
397	56	4109	-109581.1413	826997.3170250766	39.15017712324575	-121.1856995	311127.73893811044	4335715.19268674	3288.973812844106	314.5281884050296	310.624822988317	310.7347463657485	39.6320652660242	
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401	56	4110	-106941.1413	826997.3170250766	39.1502061243156	-121.1763941	311832.057629515	4335701.3468094	3275.480340027616	312.487683094232	310.291333105694	309.61145894268	39.2665332009564	
402	56	4110	-106281.1413	826997.3170250766	39.15021387087273	-121.1740677	312133.1236821404	4335697.11590527	3274.1494595525	313.367071324526	309.096499	309.096499	39.647902982	
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404	56	4110	-104961.1413	826997.3170250766	39.1502282592526	-121.169415	312535.2556977286	4335689.04230527	3266.630504684886	313.2725281556883	309.68857050929	309.68857050929	39.6046595288312	
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406	56	4110	-103641.1413	826997.3170250766	39.15024255024959	-121.1647623	31289.347147493	4335681.04007963	3259.01562513233	312.934310712181	309.734310712181	309.734310712181	39.62500969007	
407	56	4107	-102981.1413	826997.3170250766	39.150249489064294	-121.1624359	313138.45921695243	4335677.03049503	3259.401116682562	312.86806950274	309.8065978283152	309.8065978283152	39.62500969007	
408	56	4108	-102321.1413	826997.3170250766	39.15025647789965	-121.1601095	313339.5182303659	4335673.02599907	3257.74557232421	312.6483494979139	309.5995371968487	309.5995371968487	39.62500969007	
409	56	4109	-101661.1413	826997.3170250766	39.15026342180066	-121.1577832	313540.5834	4335669.01	3256.127997964195	312.4808738561153	309.3116291156857	309.3116291156857	39.98449432601465	
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411	56	4111	-100341.1413	826997.3170250766	39.150277147799005	-121.1531304	313942.713083368	4335660.981702773	3253.521608196131	312.301314955104	308.8488910329973	308.8488910329973	39.62500969007	
412	56	4112	-99681.1413	826997.3170250766	39.1502833939752	-121.150804	314143.771691957	4335656.9752006	3252.919701017038	311.918761335365	309.72537209897	309.72537209897	39.62500969007	
413	56	4113	-99021.1413	826997.3170250766	39.15029074806101	-121.1484777	314344.8407602644	4335652.93975225	3252.919701017038	311.918761335365	309.72537209897	309.72537209897	39.62500969007	
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415	56	4115	-97701.1413	826997.3170250766	39.15030414	-121.1438249	314746.973024027	4335644.92638406	3250.551641292024	311.659952881676	309.672730498616	309.672730498616	39.62500969007	
416	56	4116	-97041.1413	826997.3170250766	39.15031077904831	-121.1414896	314948.0342860747	4335640.93686752	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
417	56	4117	-96381.1413	826997.3170250766	39.15031735537408	-121.1391722	315149.0976197282	4335636.900058242	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
418	56	4118	-95721.1413	826997.3170250766	39.1503238485366	-121.1368158	315350.1615	4335632.88	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
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421	56	4121	-93741.1413	826997.3170250766	39.1503432343743	-121.1298667	315953.3058125425	4335620.80051669	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
422	56	4122	-93081.1413	826997.3170250766	39.1503496738257	-121.1275403	316154.4136	4335616.83701431	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
423	56	4123	-92421.1413	826997.3170250766	39.15035591830459	-121.125214	316355.467125389	4335612.82573115	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
424	56	4124	-91761.1413	826997.3170250766	39.15036218818887	-121.122876	316556.5382297314	4335608.81309994	3246.730288484106	311.49279413807815	306.4956345926446	306.4956345926446	39.62500969007	
425	56	4125	-91101.1413	826997.3170250766	39.15036849133881	-121.120615	316757.6006534233	4335604.80228168	3246.730288484106	311.49279413807815	30			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt.	BRIEVLgtsKrg.ft	BRIEVBolthKrg.ft	SatHtLgts.ft	SatHtBolth.ft
503	56	41203	-39621.14133	826997.3170250766	39.15071551505877	-100.399103	332439.9176850457	4335292.425337666	307.101889488361	2962.361715957052	2897.7864418043096	2988.1627169603324	54.7524752147262	64.19954826671983
504	56	41204	-39661.14133	826997.3170250766	39.150718190149306	-100.336766	332460.963529626184	4335288.427560199	306.71594821964	2960.9636257113333	2889.568478442212	2889.7773811406214	71.41614829693237	71.2029456
505	56	41205	-39801.14133	826997.3170250766	39.15072063030406	-100.364462	332492.01486717895	4335284.9249758978	307.21303815862	2958.81442105184385	2881.456825422869	2871.442105184385	78.1584273118345	78.1754233662227
506	56	41206	-39641.14133	826997.3170250766	39.1507235052473	-100.33212238	332493.06319612604	4335281.432124989	306.910274951245	2958.25471253555	2873.632917340921	2873.733882355718	81.6217953093736	84.940831782007
507	56	41207	-39691.14133	826997.3170250766	39.15072584480626	-100.32979474	332441.11376145	4335276.434667229	306.524667049429	2956.895627	2866.908183699167	2866.1909706140523	89.26870834879036	90.7042657220757
508	56	41208	-36321.14133	826997.3170250766	39.1507294115928	-100.327471	333445.159391209	4335279.337328267	306.34668021492	2955.5385738075427	2868.6102871029275	2868.340530713462	86.9820617491273	87.1980430940254
509	56	41209	-35661.14133	826997.3170250766	39.150730891573694	-100.3251446	333646.2720435814	4335268.40271353	306.3483889084747	2871.5084333112264	2871.5084333112264	2871.5084333112264	82.6754557362405	82.6754557362405
510	56	41210	-35001.14133	826997.3170250766	39.150733705288	-100.3228182	333763.2549334867	4335264.43333323	306.5306923645884	2952.830949438601	2874.25268149405	2874.42123181914	79.380378919579	78.4063811194089
511	56	41211	-34311.14133	826997.3170250766	39.1507366290445	-100.3204816	334048.3026411207	4335259.046868263	306.617303815862	2959.8148191257844	2876.768794862647	2877.01951220978	74.6166383727844	74.6166383727844
512	56	41212	-33681.14133	826997.3170250766	39.15073773205494	-100.3181654	334249.34982669525	4335256.45957633	306.1240463305247	2950.131227201704	2879.117203	2879.40738919579	71.032401354017	70.7226515113116
513	56	41213	-33021.14133	826997.3170250766	39.15074024387892	-100.315839	334450.3970304037	4335252.43537957	305.825028839252	2948.96389670109	2879.930302746645	2880.1806752003857	69.0549337954427	68.8130245273208
514	56	41214	-32361.14133	826997.3170250766	39.15074246961708	-100.3135126	334651.44407245994	4335248.457312548	305.562514575918	2948.1808713084197	2878.57297333226	2878.638973807452	69.60789796	69.5417392796757
515	56	41215	-31701.14133	826997.3170250766	39.150744650419995	-100.3118862	334852.4909350354	4335241.641240301	305.5420695757816	2947.376688143124	2877.61022424669	2877.63823282265	69.7664385481488	69.83828991489736
516	56	41216	-31041.14133	826997.3170250766	39.15074678267834	-100.3088598	335053.7677242233	4335240.46341205	305.3426746023336	2946.5732672772727	2877.634171346092	2877.51048209651	69.9390995	69.6027851767217
517	56	41217	-30381.14133	826997.3170250766	39.15074887722001	-100.3068334	335254.58423074015	4335239.458915253	305.4132822929838	2945.769454897587	2876.394357838445	2876.7820760490414	70.7390555131316	67.49884959881729
518	56	41218	-29721.14133	826997.3170250766	39.15075092321713	-100.304207	335455.6306222432	4335232.474062438	304.9438989689704	2944.964057641136	2879.44431	2879.335374845104	65.5200719	65.6290232010327
519	56	41219	-29061.14133	826997.3170250766	39.15075294278654	-100.3018086	335656.6768	4335228.47882747	304.9704658115603	2944.15710380379	2880.623226650374	2880.569169758773	63.59644142201664	63.59644142201664
520	56	41220	-28401.14133	826997.3170250766	39.15075488045049	-100.8995542	335857.7229414884	4335216.486471746	304.6839064219643	2943.3478065745217	2881.298707090005	2881.23222	62.043105782119	62.02586006011646
521	56	41221	-27741.14133	826997.3170250766	39.1507569159676	-100.8972728	336068.7689	4335220.48442715	304.5770422393207	2942.5342853303205	2880.930914596106	2881.035336376696	61.6033073416986	61.49874196265091
522	56	41222	-27081.14133	826997.3170250766	39.15075865782374	-100.8949014	336259.8164138609	4335216.938528237	304.70190453001	2941.7156326699187	2879.446652113256	2879.65976007876	62.2886745593124	62.2886745593124
523	56	41223	-26421.14133	826997.3170250766	39.15076047917931	-100.892575	336460.860210237	4335212.49889902	304.801892172934073	2876.8420860475476	2876.969094648593	2876.969094648593	64.091752495262	63.930042481
524	56	41224	-25761.14133	826997.3170250766	39.15076226	-100.8902486	336691.9054697368	4335208.5043809125	303.6945423	2876.041032086988	2876.33869839603	2876.33869839603	66.37143447407567	66.1444516249514
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528	56	41228	-23121.14133	826997.3170250766	39.15076891	-100.880943	337466.0850919383	4335192.52805474	302.9170867210327	2936.678193366928	2854.5623455502708	2854.795109185754	82.11147378	81.8763804181733
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530	56	41230	-21801.14133	826997.3170250766	39.15077197	-100.8762902	337868.1749271483	4335184.54090311	302.851864154915	2934.9351754211695	2844.6130559102075	2844.6130559102075	91.3221199114198	91.4613829822921
531	56	41231	-21141.14133	826997.3170250766	39.15077349679715	-100.8737634	338089.2192367938	4335180.43492975	302.6381942849795	2938.81129631988832	2841.640573583933	2841.640573583933	92.2591986664877	92.2591986664877
532	56	41232	-20481.14133	826997.3170250766	39.15077514789708	-100.8717543	338270.2544719005	4335175.94975332	302.7037679	2938.159524937524	2841.0349879507	2841.0349879507	93.6070771112152	93.6070771112152
533	56	41233	-19821.14133	826997.3170250766	39.15077622093842	-100.869311	338471.3074290707	4335172.56150474	301.8361256147044	2932.2567997936276	2840.463281343447	2840.333104126226	93.7931845018773	93.9236956074072
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536	56	41236	-17841.14133	826997.3170250766	39.150780067229206	-100.8623138	339074.5883129105	4335160.58370833	301.5809624861844	2929.487186693615	2845.11350192029	2845.69270071008	84.37403650165243	84.8873968657289
537	56	41237	-17181.14133	826997.3170250766	39.1507812594547	-100.8600054	339275.4818935376	4335156.991443319	301.6487776531067	2928.5413242831897	2844.059114564988	2843.650033531852	84.98723983717067	84.89072299135653
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539	56	41239	-15861.14133	826997.3170250766	39.1507835910201	-100.8553258	339677.56818420548	4335147.60884504	300.7619951008794	2926.608804219395	2840.709575614278	2840.3448881524	85.892330766145	86.2663206067145
540	56	41240	-15201.14133	826997.3170250766	39.1507845655227	-100.8530262	339876.6119050226	4335144.61586797	300.9084259367515	2925.619425305196	2839.143435343574	2838.781529243686	86.47599176	86.8379760150719
541	56	41241	-14541.14133	826997.3170250766	39.15078579007184	-100.8506998	340079.6538	4335140.6241173785	300.0480345590275	2924.623099022833	2837.5888374145243	2837.288737929333	87.03426161	87.3343610936046
542	56	41242	-13881.14133	826997.3170250766	39.15078654556766	-100.8483734	340280.689446828	4335136.632717309	300.170494792291	2923.6180570402998	2835.5738848505835	2835.4214966579357	88.0417215	88.1966035
543	56	41243	-13221.14133	826997.3170250766	39.150787489170986	-100.846047	340481.7389914974	4335132.64148657	300.026966960176	2922.6042653730683	2833.04293600903	2832.993497155479	89.5613293640945	89.61076821756933
544	56	41244	-12561.14133	826997.3170250766	39.15078834981987	-100.8437206	340682.78171902115	4335128.654032324	300.616761077638	2921.5624074464335	2832.7635571787	2832.649711924589	91.7846718924828	91.7846718924828
545	56	41245	-11901.14133	826997.3170250766	39.15078936703862	-100.8413842	340883.6111509128	4335124.67634391	300.2636461783161	2920.628461783161	2831.671924167	2831.671924167	92.448128490419	92.448128490419
546	56	41246	-11241.14133	826997.3170250766	39.15078996740198	-100.8390768	341084.8653824136	4335120.66849504	300.765951008794	2919.51459435393	2832.7635571787	2832.7635571787	93.75241761	93.75241761
547	56	41247	-10581.14133	826997.3170250766	39.15079071	-100.8367414	341285.9021042867	4335116.78305064	300.2059655125074	2918.4693				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
629	56	41329	43538.8586730335	826997.3170250766	-30.150698871087448	-100.64595769	377070.82907516113	3434790.042	2911.30076397129	28.00219696618425	2748.0788464100015	2741.3646931105955	5443123151841064	59.157276451282996
630	56	41330	44158.8586730335	826997.3170250766	-30.15069672	-100.6436501	357971.858653097	343478.0657154545	2905.607132224346	2748.69693330628	2748.59979266105	2743.0511356812345	50.9996460418369	55.645796725053515
631	56	41331	44684.8586730335	826997.3170250766	-30.150696217743	-100.644327	358172.858653746	343478.068672453	2901.800272696228	2748.693898073	2748.53649133864	2743.746949373384	54.779697733654	54.1927372
632	56	41332	45118.8586730335	826997.3170250766	-30.15068951792305	-100.638973	358373.9177961302	343478.11380161	2899.90520530693	2748.69196063894	2748.121735809123	2743.178501819295	46.9964604173569	51.89969424759194
633	56	41333	45178.8586730335	826997.3170250766	-30.15068644229255	-100.6366709	358574.8470615685	343478.13810296	2898.00236776633	2748.283919204256	2747.114649446606	2743.275678250964	46.16927007831901	50.0080398932915
634	56	41334	46184.8586730335	826997.3170250766	-30.1506833773042	-100.634345	358757.916789927	343470.16257638	2896.09596576333	2791.498313721874	2745.51684634652	2742.765794091286	48.5217728010559	
635	56	41335	47498.8586730335	826997.3170250766	-30.1506811629645	-100.6320181	358977.0051813097	343476.1272198	2893.800878157527	2789.721275490314	2743.3708499334074	2743.07569534907	46.35042556554072	47.91751708140856
636	56	41336	48158.8586730335	826997.3170250766	-30.1506768992731	-100.6296917	359178.0363041865	343476.21027913	2891.1279141162	2787.96138840994	2740.611167350286	2740.611167350286	46.9812794264394	47.34201903706516
637	56	41337	48618.8586730335	826997.3170250766	-30.15067258576	-100.627465	359379.027542369	343476.23702856	2888.47748723682	2786.19389618159	2740.274988232463	2740.1751893168684	45.95313735697258	46.0365927117381
638	56	41338	49478.8586730335	826997.3170250766	-30.1506702123633	-100.6250389	359580.0913361469	343474.2821915	2885.76358230575	2784.42072296256	2740.027451005216	2740.1389032144216	44.1148516413544	44.30250480104406
639	56	41339	50348.8586730335	826997.3170250766	-30.150666821209114	-100.6227125	359781.119781917	343470.2825577	2883.981126481796	2782.698337849053	2739.9146179206236	2740.074557208337	42.7371992822349	42.62378064051745
640	56	41340	50798.8586730335	826997.3170250766	-30.1506633509946	-100.6203861	359982.14809191006	343476.31301728	2876.798531166233	2780.9620919143495	2739.3786388095928	2739.764512	41.58345323	41.197579529793414
641	56	41341	51458.8586730335	826997.3170250766	-30.1506599405473	-100.6180598	360183.17626611667	343472.4339	2867.697500711237	2779.233759849138	2739.0511626086	2739.321646339401	39.12145274627198	39.9121136097399414
642	56	41342	52118.8586730335	826997.3170250766	-30.15065637807487	-100.6157334	360384.2043044484	343478.34650284	2866.60569574001	2777.513638090685	2738.651123349533	2738.651123349533	38.86251474	38.6263514116015
643	56	41343	52778.8586730335	826997.3170250766	-30.15065280715988	-100.613407	360585.2322084055	343478.395082662	2864.762384260404	2776.019095357895	2738.46848881758	2738.6645865082234	37.3506367613745	37.13710377767211
644	56	41344	53438.8586730335	826997.3170250766	-30.1506491310824	-100.611008	360786.2597688674	343470.41677102	2866.13784673343	2776.07769537013	2738.657030872817	2738.763031992995	35.439838641903	35.31516633713435
645	56	41345	54098.8586730335	826997.3170250766	-30.15064553052469	-100.6087542	360987.2876104801	343476.43415393	2862.573525040846	2772.40173958846	2738.111733765415	2738.3979964117	33.29056621230434	33.710376994773227
646	56	41346	54758.8586730335	826997.3170250766	-30.15064182404495	-100.6064278	361188.3119503727	343472.469682125	2868.9091	2770.71475767421	2740.220671760219	2740.446550155804	30.4409611960204	30.2638701
647	56	41347	55418.8586730335	826997.3170250766	-30.15063807414917	-100.6041014	361389.342738299	343478.41668285	2865.073843546662	2769.0738534004	2741.724935	2741.831966678866	27.31305069791415	27.20201867167585
648	56	41348	56078.8586730335	826997.3170250766	-30.1506342785585	-100.601775	361590.3697040371	343474.52322754	2856.015468154564	2767.372820144047	2743.057537915865	2743.039216461381	24.31528298539715	24.2817572959719
649	56	41349	56738.8586730335	826997.3170250766	-30.1506304303444	-100.5994486	361791.3968001973	343476.53092875	2846.95781924562	2765.240891946223	2743.695351962545	2743.673210247485	22.0855099794719	22.347699947317254
650	56	41350	57398.8586730335	826997.3170250766	-30.1506265527295	-100.5971222	361992.4627651678	343470.75506479	2846.75228563556	2764.084424517217	2742.564314348637	2741.4657227460925	21.52052810565792	22.61911706295249
651	56	41351	58058.8586730335	826997.3170250766	-30.15062277743	-100.5948258	362193.5065911964	343470.81672896	2846.72748923682	2762.472486854534	2742.724848844534	2742.724848844534	20.38681311949587	20.544751160721
652	56	41352	58718.8586730335	826997.3170250766	-30.15061846846804	-100.5924694	362394.47	343469.83255672	2835.170546549	2760.88710013319	2738.497496379147	2737.5155856784	22.38969373304437	22.1715142563483
653	56	41353	59378.8586730335	826997.3170250766	-30.1506146256133	-100.590143	362595.503848463	343469.9340284	2836.37014030638	2760.887078356	2738.49250431904	2739.97613403628	22.927032356556	29.354724674773
654	56	41354	60038.8586730335	826997.3170250766	-30.1506105138076	-100.5878167	362796.530277456	343469.88182789	2835.7805502923318	2743.9461578437895	2726.13617833927	22.8589235842276	31.6665323940301	
655	56	41355	60698.8586730335	826997.3170250766	-30.15060651245146	-100.5854093	362997.5567363415	343469.71626991	2834.28114265877	2756.306374977615	2733.559948029277	2731.262130713966	27.1566894833825	34.174138085685
656	56	41356	61358.8586730335	826997.3170250766	-30.15060229617453	-100.5831369	363188.5827731952	3434682.74452774	2826.50143898085	2754.838870514507	2732.130379110702	2717.7767628578	22.70849140748656	37.06279422668716
657	56	41357	62018.8586730335	826997.3170250766	-30.1506008614801	-100.5808673	363389.608973963	343468.65082662	2818.291727302837	2753.388576128873	2732.3386131949587	2717.7767628578	38.17246911949587	38.17246911949587
658	56	41358	62678.8586730335	826997.3170250766	-30.1505972882	-100.578511	363590.6145672882	343470.8105408	2818.291727302837	2753.388576128873	2732.3386131949587	2717.7767628578	39.250077390183	39.250077390183
659	56	41359	63338.8586730335	826997.3170250766	-30.1505956135276	-100.5761847	363801.660432273	3434670.8303748	2805.805791733029	2750.5990247998757	2731.7037303868	2712.5284686888	38.7962761702744	38.0950411208785
660	56	41360	63998.8586730335	826997.3170250766	-30.15058523	-100.5738583	364002.8568903703	343466.85820927	2803.360621167357	2749.23802065574	2715.56367145807	2708.994598	32.62540319770629	40.2412043292759
661	56	41361	64658.8586730335	826997.3170250766	-30.1505804679667	-100.5715319	364203.715729218	3434662.88890014	2800.22092955212	2747.893507104574	2708.4364966282	2705.24934539722	39.8491205142913	42.6441613
662	56	41362	65318.8586730335	826997.3170250766	-30.1505746	-100.5692055	364404.7364050483	343465.91788904	2798.2860745868	2746.5962493295	2699.180291	2739.49024432905	46.12012565321466	
663	56	41363	65978.8586730335	826997.3170250766	-30.1505719525079	-100.5668792	364605.7627315886	343465.947150886	2794.306281496229	2745.26016326848	2689.329797703055	2689.24370408104	51.0170330883213	
664	56	41364	66638.8586730335	826997.3170250766	-30.15056747550414	-100.5645428	364806.78296167	343465.97784646	2789.45243293407	2744.3793014904	2687.1944001094	2687.1944001094	46.792014537392	56.545751160721
665	56	41365	67298.8586730335	826997.3170250766	-30.15056226846513	-100.5622264	365007.812725282	343467.06962804	2783.344624913028	2742.67940532941	2686.995849241096	2686.995849241096	47.9791314584283	59.7193155849601
666	56	41366	67958.8586730335	826997.3170250766	-30.15055827404493	-100.5599	365208.837129379	343463.03667718	2780.6739626457	2741.40533967185	2687.78630163246	2687.08051736943	59.61930309381	59.2482259727269
667	56	41367	68618.8586730335	826997.3170250766	-30.15055362468975	-100.5575736	365409.8618242251	343463.03667718	2772.885126	2741.139485354565	2685.60744640056	2683.68208381585	48.43473895403249	56.4502452298345
668	56	41368	69278.8586730335	826997.3170250766	-30.1505493039974	-100.5552472	365610.8864304885	343463.09703846	2768.372177890205	2738.880440390406	2682.348463338394	2686.08011694303	47.9791575052121	52.80032389597724
669	56	41369	69938.8586730335	826997.3170250766	-30.15054491173805	-100.5529028	365811.910885167	343463.112733191	2763.79709977352	2737.62039070784	2684.631937022394	2690.905242711261	49.9290644839002	46.72078879952324
670	56	41370	70598.8586730335	826997.3170250766	-30.15053944704996	-100.5505944	366012.953169303	343462.1196261	2760.36669695721	2736.373057845422	2686.762915851935	2686.762915851935	46.86901377440324	46.86901377440324
671	56	41371	71258.8586730335	826997.3170250766	-30.15053497782031	-100.5482978	366214.91879845	343462.0416179289	2758.451616719289	2735.4635781762897	2685.84816719289	2685.84816719289	47.9791314584283	47.9791314584283
672	56	41372	71918.8586730335	826997.3170250766	-30.15052970380726	-100.5459417	366414.9834851385	343459.120041456	2755.03322419854	2733.968452579413	2684.5054520357	2687.27539659123	63.46119671370404	49.5942689878276
673	56	41373	72578.8586730335	826997.3170250766	-30.1505247842384	-								

ix	iy	iclas	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	LatHtBothKrg.ft	SatHtBoth.ft
15	57	41455	-367101.1413	829357.3170250766	39.14586135906282	-102.0734306	234308.7598918332	3374365.551890908	3979.6194651057713	3848.855093988507	3833.90581545529974	15.16411293742567	14.94595735009804
16	57	41456	-361004.1413	829357.3170250766	39.14588590502085	-102.0720146	234509.9176796095	3374361.481115495	3974.214550506443	3847.566420746488	3829.056215202418	38.0025995781610423	18.45650433606315
17	57	41457	-360381.1413	829357.3170250766	39.14591075687501	-102.0696896	234711.0561138447	3374362.38491144	3985.8096510113517	3846.255094545816	3824.43804872379894	39.021483048424461	21.40383371749225
18	57	41458	-359721.1413	829357.3170250766	39.14593520965337	-102.0673265	234912.2172850745	3374361.031047799	3987.40436735679305	3847.500414854853	3820.9217062323437	38.2054576352051268	24.01837424487274
19	57	41459	-359061.1413	829357.3170250766	39.14595946965175	-102.0650365	235113.36931912173	3374349.218081489	3977.37511999114048	3847.6172390603598	3817.522293258418	38.17584511727143	26.08672733216913
20	57	41460	-358401.1413	829357.3170250766	39.14598119011416	-102.0627105	235314.5208337346	3374345.153092175	3975.720779087468	3842.38017497681	3814.4477825358103	38.1470330461870177	27.87708443307717
21	57	41461	-357741.1413	829357.3170250766	39.14600286255555	-102.0603844	235515.6222100787	3374341.05279977	3974.0664381783954	3841.092949	3811.5372817699367	38.116320372975797	29.46091713401353
22	57	41462	-357081.1413	829357.3170250766	39.14603266966884	-102.0580584	235716.82334112848	3374336.96964471	3974.0212097272320	3839.80150905663	3808.432442092793	38.08454836615825	31.373708812870063
23	57	41463	-356421.1413	829357.3170250766	39.14605991605711	-102.0557233	235917.97419624178	3374332.88454513	3983.518172178658	3838.514712178658	3805.3124236915734	38.0506207505817	33.4519646237919
24	57	41464	-355761.1413	829357.3170250766	39.14608115832318	-102.0534063	236119.1247526369	3374328.804005373	3973.1117723	3827.2291123593502	3802.015815579345	38.021345735204304	35.0986623890329
25	57	41465	-355101.1413	829357.3170250766	39.14610356065002	-102.0510802	236320.2751249638	3374324.72280118	3970.80524041193	3835.9437911562145	3800.15852211014439	38.078270874833776	
26	57	41466	-354441.1413	829357.3170250766	39.1461259086265	-102.0487542	236521.4252020889	3374320.460873998	3970.4947849301348	3834.6670900322792	3798.536243997502	37.9861118	36.1308460126777
27	57	41467	-353781.1413	829357.3170250766	39.14615361637596	-102.0464282	236722.57501332025	3374316.559132081	3968.869272606897	3831.991122627676	3797.380052462505	37.96059189013264	36.62425639352584
28	57	41468	-353121.1413	829357.3170250766	39.14617767914495	-102.0441021	236923.7456337144	3374312.477550589	3965.929716032857	3832.139941288223	3796.450160052874	37.960871235349074	36.11877654488434
29	57	41469	-352461.1413	829357.3170250766	39.1462016696954	-102.0417761	237124.8736213688	3374308.396154354	3963.999159805237	3830.899910206767	3795.792810268292	37.944676518761635	36.0897917953243
30	57	41470	-351801.1413	829357.3170250766	39.1462256699071	-102.03946	237326.0228074803	3374304.314035091	3960.05060377914	3829.494572537427	3796.805216089535	37.9416058538922	35.4898715
31	57	41471	-351141.1413	829357.3170250766	39.14624859791729	-102.0371329	237527.1717484373	3374300.2338073	3967.665565128785	3828.418696930403	3796.67191092585	37.93464544774407	34.72486501435485
32	57	41472	-350481.1413	829357.3170250766	39.14627349098844	-102.0347979	237732.25025545	3374306.135092421	3955.81854591204	3827.1908055905003	3795.6104394780957	37.93367664003564	33.5109689045574
33	57	41473	-349821.1413	829357.3170250766	39.14629731913505	-102.0324718	237929.4686030304	3373392.07337034	3963.9707121096	3825.866623290237	3796.43518942867	37.922152941733359	33.8338156857867
34	57	41474	-349161.1413	829357.3170250766	39.146321112357036	-102.0301458	238130.6164903235	3373387.95182588	3962.135056512846	3824.784435899135	3797.457467362655	37.92366622725817	34.057906561941
35	57	41475	-348501.1413	829357.3170250766	39.14634848605435	-102.0278197	238331.7642178405	3373381.9141082	3968.7585359598	3823.591095143877	3797.17102728002	37.91319594663205	32.4591877340351
36	57	41476	-347841.1413	829357.3170250766	39.14637604426986	-102.0254936	238532.9116851395	3373379.31333507	3946.927171545094	3822.42690627451	3790.538579410896	37.90358794589443	31.7671123396002
37	57	41477	-347181.1413	829357.3170250766	39.14640322974008	-102.02316	238734.0589445153	3373372.727101542	3944.0951696	3821.244664563748	3794.795178313205	37.90262343493025	25.47427124804505
38	57	41478	-346521.1413	829357.3170250766	39.14643158395962	-102.0208415	238935.2058435772	3373371.671549212	3942.0121072785046	3820.815147585943	3795.36345421395	37.9053427264882	23.6355479106612
39	57	41479	-345861.1413	829357.3170250766	39.14643904976264	-102.0185154	239150.3545353618	3373367.991922002	3935.6437867947	3818.881314846945	3795.8386014256068	37.9037891429616	22.04451314237386
40	57	41480	-345201.1413	829357.3170250766	39.14646282696614	-102.0161894	239337.4986633953	3373363.51427286	3947.66375563674	3817.761075530731	3794.22172608655	37.9021327584211	21.49434943487573
41	57	41481	-344541.1413	829357.3170250766	39.14648640718095	-102.0138633	239536.6413973423	3373359.43199369	3939.087413	3816.555100840624	3791.603269218449	37.9052713094323	20.283190430065
42	57	41482	-343881.1413	829357.3170250766	39.1465094084159	-102.0115372	239739.7910547628	3373355.34103244	3910.809959551266	3815.37993683535	3788.746050932406	37.9117171099328	19.668622585707128
43	57	41483	-343221.1413	829357.3170250766	39.1465332974008	-102.0092881	240044.321356633	3373351.275184027	3914.2779088872	3810.822183182475	3775.30340867576	37.905700701541554	18.51081618400918
44	57	41484	-342561.1413	829357.3170250766	39.14655924412558	-102.006851	240142.0821107066	3373347.196411641	3903.78178357054	3809.18627347285	3781.300704494127	37.9005049494127	17.99914270661194
45	57	41485	-341901.1413	829357.3170250766	39.146578972761876	-102.004559	240334.227250339	3373343.11878511	3912.1044848462828	3817.567569751344	3784.492175672606	37.9048471660264	16.910885148700018
46	57	41486	-341241.1413	829357.3170250766	39.14660312688505	-102.0022329	240544.371358633	3373340.2338073	3914.2779088872	3810.822183182475	3775.30340867576	37.905700701541554	15.51081618400918
47	57	41487	-340581.1413	829357.3170250766	39.146626336083074	-101.9999069	240745.5167240982	3373346.12755047	3913.516830320256	3809.690682068125	3772.35115800555	37.91691359899013	14.799914270661194
48	57	41488	-339921.1413	829357.3170250766	39.1466495003555856	-101.9975808	240946.6611317477	3373342.8320481	3912.861613912027	3808.562290620634	3768.753616897196	37.916876805906134	13.80980316437375
49	57	41489	-339261.1413	829357.3170250766	39.146672819703374	-101.9952547	241147.8052444639	3373328.80538772	3910.260395610215	3807.43586791057	3768.539796784505	37.916369141742469	12.90650016907225
50	57	41490	-338601.1413	829357.3170250766	39.14669659412558	-101.992916	241348.9491002157	3373322.727101542	3908.53517325014	3806.2108984948	3764.795178313205	37.90262343493025	11.5150291693905
51	57	41491	-337941.1413	829357.3170250766	39.146718723224006	-101.990625	241550.9269893263	3373318.650197411	3908.325516984204	3805.148621799106	3763.783256171228	37.9061216586317	10.421790424
52	57	41492	-337281.1413	829357.3170250766	39.14674170819384	-101.9882764	241751.2360340225	3373315.47269955	3910.652846039226	3804.050992026768	3762.869341337177	37.90762072803616	9.14865058919972
53	57	41493	-336621.1413	829357.3170250766	39.146764546738624	-101.9859504	241952.3913015683	3373310.46	3911.9553127095234	3802.923540530568	3762.393504253294	37.905152522150764	8.25003280038565
54	57	41494	-335961.1413	829357.3170250766	39.14678745256034	-101.9836243	242153.5219614393	3373307.481744867	3913.2534981502286	3801.78455042433	3762.2465653662	37.9033159252587	7.489893848971025
55	57	41495	-335301.1413	829357.3170250766	39.1468103925531	-101.9812982	242354.6645376714	3373302.341947729	3915.247855500002	3800.679250270707	3762.013183517446	37.903761746709974	6.50628916862305
56	57	41496	-334641.1413	829357.3170250766	39.14683317212468	-101.9789721	242555.806572711	3373296.265327396	3917.9351342961413	3799.481359050175	3762.03806026663	37.902786301788447	5.349573958703282
57	57	41497	-333981.1413	829357.3170250766	39.146856917039072	-101.9766872	242756.9486275894	3373292.74048837	3919.436172408653	3798.436172408653	3761.436172408653	37.90167324639503	4.388514374979534
58	57	41498	-333321.1413	829357.3170250766	39.14687876712857	-101.9743199	242958.09073215918	3373290.11261703	3923.310417872235	3797.379677891	3764.795178313205	37.9061216586317	3.40121767100182
59	57	41499	-332661.1413	829357.3170250766	39.14690134227898	-101.9719938	243159.232872611	3373286.36036308	3922.993557	3795.925987932224	3756.722356435566	37.90262343493025	2.46339706734677
60	57	41500	-332001.1413	829357.3170250766	39.1469236744563	-101.9696677	243360.373877428	3373281.960313872	3919.672151783218	3794.704659306435	3752.374047017514	37.9046215876381	1.493625423042051
61	57	41501	-331341.1413	829357.3170250766	39.14694654678651	-101.9673416	243561.5148338058	3373277.88477425	3915.96578778745	3793.462454822225	3746.755148909404	37.9045308982884	0.4850937118369638
62	57	41502	-330681.1413	829357.3170250766	39.14696930011562	-101.965015	243762.654256629	3373273.80931731	3913.029356594227	3792.17371397304	3740.96099881989	37.90435128293874	0.51648

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatHtLogs.	SatHtBoth.
141	57	41581	-278541.1413	829357.3170250766	39.14860740379755	-101.7812493	59561.99236608075	4336952.3980796225	3735.4612620592015	3616.122460255966	3604.371599521314	3593.782413414332	11.750806734652179	22.34040841613912
142	57	41582	-277881.1413	829357.3170250766	39.14862634491596	-101.7789231	59583.11348523238	4336948.33663445	3732.782975693665	3713.717843727030	3603.076776439312	3604.523367002406	10.641566776439312	19.1945027625223
143	57	41583	-277221.1413	829357.3170250766	39.14864531110477	-101.7616989	59605.624677822	4336944.273589671	3727.812485796586	3611.308632692362	3601.589703838127	3604.523367002406	8.71713261423743	16.254207689365272
144	57	41584	-276561.1413	829357.3170250766	39.148664002364825	-101.7742707	59625.3051901857	4336940.12420992	3702.84972349069	3608.867823986675	3600.506198943569	3595.9685	8.31625055008499	12.919324445117581
145	57	41585	-275901.1413	829357.3170250766	39.1486829	-101.7719944	59646.55471786364	4336936.153368499	3713.787098902507	3606.459455294541	3600.8084239623792	3599.702763640474	5.681025932161701	8.859682930493566
146	57	41586	-275241.1413	829357.3170250766	39.14870160097714	-101.7696182	59667.5958781335	4336932.092632192	3706.724405465891	3604.023063237003	3601.458230199604	3597.1072088971036	2.562106064096497	4.913127366596655
147	57	41587	-274581.1413	829357.3170250766	39.148720376570466	-101.767292	59688.75152029499	4336928.02072059	3699.34356549834	3601.5696881844258	3602.4570628061615	3601.5026858218653	0	0.067012363
148	57	41588	-273921.1413	829357.3170250766	39.14873904811405	-101.764568	59710.6391755514	4336923.971688095	3691.64467155927	3599.107043814543	3603.200885906338	3600.200885906338	0	0
149	57	41589	-273261.1413	829357.3170250766	39.148757674728415	-101.7626896	59730.25646755813	4336919.911480291	3688.945746785912	3596.831777861383	3604.523367002406	3604.523367002406	0	0
150	57	41590	-272601.1413	829357.3170250766	39.1487765641335	-101.7603134	59746.162270730178306	4336915.51449641	3678.246821955204	3594.14321389192	3605.370256231023	3606.4175957435	0	0
151	57	41591	-271941.1413	829357.3170250766	39.148794733169415	-101.7579872	59763.16288984293	4336911.79193141	3676.84668877851	3591.641619097495	3606.2385789659434	3607.5100327	0	0
152	57	41592	-271281.1413	829357.3170250766	39.14881324949592	-101.7556609	59784.31164213913	4336907.731913775	3685.7453505118838	3589.1261382110483	3607.3359770342554	3606.2702193208763	0	0
153	57	41593	-270621.1413	829357.3170250766	39.1488317189312	-101.7533347	59805.6418587548	4336903.672410548	3694.644011145916	3586.59868628816513	3608.2951245420744	3610.267011232963	0	0
154	57	41594	-269961.1413	829357.3170250766	39.14885013366091	-101.7510085	59826.654484425953	4336899.613083433	3703.5426717793489	3584.053787036889	3609.448529158366	3611.4984126969115	0	0
155	57	41595	-269301.1413	829357.3170250766	39.14886840899504	-101.7486823	59847.6684498354	4336895.554	3708.6718591059835	3581.4970061544423	3610.658515012889	3611.52232321218466	0	0
156	57	41596	-268641.1413	829357.3170250766	39.14888683020224	-101.7463651	59868.7842977847	4336891.40467586	3713.054590328857	3578.927108397633	3611.19780118610423	3613.2985740811475	0	0
157	57	41597	-267981.1413	829357.3170250766	39.14890507187666	-101.7440298	59889.909	4336887.43158818	3716.429649158325	3576.34166527907	3613.2891687466513	3614.73344009715	0	0
158	57	41598	-267321.1413	829357.3170250766	39.148923292437594	-101.74171036	59913.012163551	4336883.77356149	3719.87048	3573.746667053851	3613.809726466874	3616.140757271664	0	0
159	57	41599	-266661.1413	829357.3170250766	39.148941469757985	-101.7393774	59932.713632407447	4336879.319089571	3722.917319038972	3571.369832963393	3613.266694547421	3617.693304120371	0	0
160	57	41600	-266001.1413	829357.3170250766	39.148959620015773	-101.7370512	59953.25329758244	4336875.260817057	3725.767482314109	3568.513481808685	3611.8018244108343	3619.4130911921	0	0
161	57	41601	-265341.1413	829357.3170250766	39.1489778961885	-101.7347249	59976.36993722816	4336871.20722639	3728.617645238643	3565.87532336608	3609.803724774758	3622.0836739734455	0	0
162	57	41602	-264681.1413	829357.3170250766	39.14899573215035	-101.7323387	59993.4863431604	4336867.144804291	3731.671808916268	3563.225317	3607.842508498523	3624.44711802927	0	0
163	57	41603	-264021.1413	829357.3170250766	39.14901322975211	-101.7290725	60016.6206718958	4336863.444303063	3734.902597801696	3561.92163238197	3608.76329329187	3625.92716661893	0	0
164	57	41604	-263361.1413	829357.3170250766	39.14903168242416	-101.7277462	60037.71945496974	4336859.02945773	3727.433059702436	3557.89037972148	3602.9724059381363	3625.342469483	0	0
165	57	41605	-262701.1413	829357.3170250766	39.14904969016646	-101.72542	60064.878424737	4336854.972105925	3723.7935829187053	3555.206714255334	3599.281088960215	3625.259237958937	0	0
166	57	41606	-262041.1413	829357.3170250766	39.14906745297893	-101.7230938	60087.94963334024	4336850.914891449	3720.15385960725	3552.511422918212	3595.6395663556896	3626.892099742895	0	0
167	57	41607	-261381.1413	829357.3170250766	39.14908527086159	-101.7207675	60108.4647427437	4336846.858	3717.447988055576	3549.80664345744	3591.4680547855833	3627.058632912865	0	0
168	57	41608	-260721.1413	829357.3170250766	39.14910304381441	-101.7184413	60132.7198822228	4336842.800991261	3715.6750997528734	3547.092424023398	3607.72288424083	3626.5495498219383	0	0
169	57	41609	-260061.1413	829357.3170250766	39.149120771837325	-101.7169115	60153.86206701898	4336838.744303063	3713.902597801696	3545.86889139758	3598.92163238197	3628.761735653387	0	0
170	57	41610	-259401.1413	829357.3170250766	39.14913845402029	-101.7137788	60174.3845402029	4336834.68779155	3712.1299016475054	3541.6404602402076	3607.72288424083	3629.1048052073	0	0
171	57	41611	-258741.1413	829357.3170250766	39.14915603093332	-101.7114626	60195.568555235	4336830.631461115	3710.407520309083	3538.906796	3572.8145152476177	3619.894807903222	0	0
172	57	41612	-258081.1413	829357.3170250766	39.1491736632636	-101.7091363	60218.658866376	4336826.575303074	3708.7353625933074	3536.168842513645	3567.859107382436	3617.57596682107	0	0
173	57	41613	-257421.1413	829357.3170250766	39.14919123462395	-101.7068101	60240.660877514	4336822.519321023	3707.6619330607915	3533.4267172475224	3562.853739868298	3609.233815715912	0	0
174	57	41614	-256761.1413	829357.3170250766	39.14920873800228	-101.7044839	60262.8605902074	4336818.463814957	3705.391029436433	3530.6781256223093	3558.019665830152	3606.7575354059	0	0
175	57	41615	-256101.1413	829357.3170250766	39.14922619645434	-101.7021578	60284.9784455002	4336814.408	3703.765448418074	3527.922759944416	3553.3007149394127	3600.129612648267	0	0
176	57	41616	-255441.1413	829357.3170250766	39.14924365957814	-101.6998514	60307.35430478	4336810.35430478	3701.9197862454	3525.10543545254	3549.86889139758	3602.92716661893	0	0
177	57	41617	-254781.1413	829357.3170250766	39.1492609754039	-101.6975051	60329.605257516	4336806.62933	3700.3737524152363	3545.851924378675	3589.921780486775	3604.7780486775	0	0
178	57	41618	-254121.1413	829357.3170250766	39.149278302192755	-101.6951789	60352.3712201195	4336802.242050396	3696.3061257452367	3519.6151591282314	3540.37666680346	3583.94172607364	0	0
179	57	41619	-253461.1413	829357.3170250766	39.14929558091488	-101.6928256	60374.246842599	4336800.178124146	3692.521129205243	3516.826579433547	3536.14198560815	3576.26630072858	0	0
180	57	41620	-252801.1413	829357.3170250766	39.14931281470678	-101.6905264	60395.541918371	4336794.132373841	3690.379400922215	3514.044178381497	3532.3047924214825	3560.070698249607	0	0
181	57	41621	-252141.1413	829357.3170250766	39.14933030356835	-101.6882001	60416.6797799465	4336790.077799465	3688.094789998913	3511.249974746448	3528.028857	3562.10258635805	0	0
182	57	41622	-251481.1413	829357.3170250766	39.14934714749964	-101.6858739	60437.7659733955	4336786.02340102	3678.8615918652174	3505.052828592504	3524.263608134785	3565.78516989477	0	0
183	57	41623	-250821.1413	829357.3170250766	39.14936406460564	-101.683591	60459.78178496	4336782.5454781988	3676.929454781988	3503.492815181226	3524.921787401344	3567.81787401344	0	0
184	57	41624	-250161.1413	829357.3170250766	39.14938130057018	-101.6812214	60482.9858866067	4336777.915118865	3671.373754016244	3502.837401652444	3518.45797046929	3545.848292217172	0	0
185	57	41625	-249501.1413	829357.3170250766	39.1493983071117	-101.6788951	60501.09964571445	4336773.861261179	3662.72746448924	3500.026949184866	3512.626197333602	3542.262809363342	0	0
186	57	41626	-248841.1413	829357.3170250766	39.149415327120845	-101.6765688	60522.70102507353	4336769.807663755	3644.172093644554	3508.782469139385	3537.36744746419	3545.16925597804425	0	0
187	57	41627	-248181.1413	829357.3170250766	39.149432193200068	-101.6742426	60543.321	4336765.754	3644.000329973827	3494.380247697887	3504.8451313511605	3545.1054792784	0	0
188	57	41628	-247521.1413	829357.3170250766	39.1494490754866	-101.6719163	60564.451343227	4336761.701	3622.25762103814	3491.5800344677823	3501.4042181375803	3528.28440217408	0	0
189	57	41629	-246861.1413	829357.3170250766	39.149466254708027	-101.6696891	60585.541708027	4336757.847837277	3610.514912862244	3488.7598614838404	3497.104518602244	3519.0223671328		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKgr.f	BREIEvBothKgr.f	SatThkLog.f	SatThkBoth.f	
267	57	41707	-19581.1413	829357.3170250766	39.15064015810603	-101.4881388	284891.4492212424	3343642.017804355	3401.7882312518136	3272.770850175908	3285.495442759083	0	
268	57	41708	-19472.1413	829357.3170250766	39.15065343791706	-101.4858124	285192.5420062004	3343638.020484701	3402.370553031816	3287.32033032687	3285.7951926703395	0	
269	57	41709	-19461.1413	829357.3170250766	39.15066672729643	-101.4836861	286333.933645421	3343633.96346454	3403.715732989623	3289.84712859103	3287.44712859103	0	
270	57	41710	-19340.1413	829357.3170250766	39.15067986274238	-101.4811597	285504.726099113736	3343713438918146	3403.720383423338	3290.540640247109	3281.96943324338	0	
271	57	41711	-19271.1413	829357.3170250766	39.150683007755486	-101.4788334	285795.819110465332	33436425.885649218	3408.1505784403457	3262.7084511550973	3262.748420119745	3284.8804744831734	0
272	57	41712	-19208.1413	829357.3170250766	39.15070167083568	-101.4765071	285996.9118625336	3343641.274056411	3409.79855	3260.2178625086053	3255.7111447683546	3260.217427695304	4.506717740250679
273	57	41713	-19141.1413	829357.3170250766	39.15071916282945	-101.4741807	286198.09820366355	3343617.80836254	3410.4463415411337	3262.7343143422504	3249.1586389131726	3284.8804744831734	0
274	57	41714	-19072.1413	829357.3170250766	39.15073217319728	-101.4718544	286399.0943020499	3343613.73911755	3411.09130915275	3255.2584207188925	3248.2276842721496	3293.081968788865	12.35563646838277
275	57	41715	-18961.1413	829357.3170250766	39.15074513847857	-101.468928	286600.1659428117	3343609.322222336	3414.5833812651845	3255.796313867806	3237.0786628153896	3256.0786628153896	15.7121317240869
276	57	41716	-18841.1413	829357.3170250766	39.150758582703	-101.4672017	286901.275712555	3343605.6942738	3420.9140250621043	3250.3222597325843	3235.4509414673007	3255.780774784116	16.5711770473533
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
393	57	41833	-112221.1413	829357.3170250766	39.151959956118046	-101.1950148	1010327.5403323103	4335939.34489409378	3300.368378672094	312.559092686063586	3112.057033084886	3112.07086215801027	40.533897374772734	40.5123052805599
394	57	41834	-111561.1413	829357.3170250766	39.15196718	-101.1926884	1010520.6080572124	4335930.4511218665	3297.426349580537	3110.3009115870954	3110.370630675417	3110.677182	40.5330815953584	40.2273295313554
395	57	41835	-110901.1413	829357.3170250766	39.1520047485414	-101.1764034	1011856.7658711163	4335926.6243127861	3294.8957864592374	3109.16698029382	3109.16698029382	3109.588037360747	40.54489028316728	39.688136073862906
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397	57	41837	-109581.1413	829357.3170250766	39.1519897389997	-101.1857091	111311.8100987504	4335918.040462269	3287.6473660713467	3105.4573061250365	3105.4347874754884	3105.4347874754884	40.3182764754085	39.52271495111745
398	57	41838	-108921.1413	829357.3170250766	39.1519970233654	-101.183827	111332.8770739034	4335914.384	3286.726770319831	3104.017798568041	3104.0014345605364	3103.9553642997977	40.0163740750176	40.06194268243076
399	57	41839	-108261.1413	829357.3170250766	39.152004597977	-101.1810563	111333.9436888106	4335910.367	3283.702358429496	3102.2765217977853	3102.4204324818348	3102.4204324818348	39.8560833948585	39.8514823935484
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408	57	41848	-102321.1413	829357.3170250766	39.15205091145587	-101.1601185	121943.536701741	4335874.227763542	3252.701209430224	3100.355013487895	3092.7355028071796	3092.7355028071796	39.2046192007711	39.2046192007711
409	57	41849	-101661.1413	829357.3170250766	39.1520576586266	-101.157792	121944.0165361491	4335870.213109119	3250.650816146783	3100.3460511379552	3089.999443355237	3090.28634268446	39.4546078021757	39.4546078021757
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412	57	41852	-99681.1413	829357.3170250766	39.15206662128079	-101.1508128	121947.7954176799	4335858.17019104	3247.0362638677973	3100.214628937	3078.520395262535	3078.520395262535	39.0147102681178	39.0147102681178
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414	57	41854	-98361.1413	829357.3170250766	39.152110105015076	-101.146159	121949.523734632	4335850.142498926	3245.321599408505	3100.16524168173	3068.2966592581605	3068.2966592581605	39.038468169837855	39.038468169837855
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416	57	41856	-97041.1413	829357.3170250766	39.15212340910042	-101.141507	121951.045621035647	4335842.115403572	3243.3323512	3100.11343261697748	3062.313820775936	3062.313820775936	39.038468169837855	39.038468169837855
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419	57	41859	-95061.1413	829357.3170250766	39.15214032798149	-101.1345278	121951.51531148006145	4335830.167143089	3239.2718551797198	3100.2159156396752	3060.453581960654	3060.453581960654	39.038468169837855	39.038468169837855
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421	57	41861	-93741.1413	829357.3170250766	39.1521582617438	-101.1298748	121951.51531148006145	4335822.051	3224.5875251546	3100.2171890511452	3058.076891	3058.076891	39.038468169837855	39.038468169837855
422	57	41862	-93081.1413	829357.3170250766	39.15216224571526	-101.127485	121951.51531148006145	4335818.0384976	3223.1192324484	3100.2171890511452	3056.94031118672	3056.94031118672	39.038468169837855	39.038468169837855
423	57	41863	-92421.1413	829357.3170250766	39.15216855751081	-101.125222	121951.51531148006145	4335814.02633459	3219.012681645646	3100.2171890511452	3054.916015	3054.916015	39.038468169837855	39.038468169837855
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425	57	41865	-91101.1413	829357.3170250766	39.15218102661476	-101.1205692	121951.51531148006145	4335806.002323396	3213.516990118314	3100.2171890511452	3052.61579960825	3052.61579960825	39.038468169837855	39.038468169837855
426	57	41866	-90441.1413	829357.3170250766	39.152187123283328	-101.1182427	121951.51531148006145	4335801.99026448	3208.416701989404	3100.2171890511452	3051.82051285903	3051.82051285903	39.038468169837855	39.038468169837855
427	57	41867	-89781.1413	829357.3170250766	39.15219333680936	-101.1159163	121951.51531148006145	4335797.979	3206.2983401402732	3100.2171890511452	3050.503121455114	3050.503121455114	39.038468169837855	39.038468169837855
428	57	41868	-89121.1413	829357.3170250766	39.1521993367976	-101.113589	121951.51531148006145	4335793.861	3204.7273732033	3100.2171890511452	3049.733478120596	3049.733478120596	39.038468169837855	39.038468169837855
429	57	41869	-88461.1413	829357.3170250766	39.152205503743386	-101.1112634	121951.51531148006145	4335789.956920085	3203.2517897275803	3100.2171890511452	3048.97267775803	3048.97267775803	39.038468169837855	39.038468169837855
430	57	41870	-87801.1413	829357.3170250766	39.15221150416329	-101.108937	121951.51531148006145	4335785.95439405	3193.773560234041	3100.2171890511452	3048.2131813135	3048.2131813135	39.038468169837855	39.038468169837855
431	57	41871	-87141.1413	829357.3170250766	39.1522174566545	-101.1066106	121951.51531148006145	4335781.97367045	3190.219781200738	3100.2171890511452	3047.4632569350822	3047.4632569350822	39.038468169837855	39.038468169837855
432	57	41872	-86481.1413	829357.3170250766	39.15222337021381	-101.1042841	121951.51531148006145	4335777.91241014	3188.07447407523	3100.2171890511452	3046.6975516382045	3046.6975516382045	39.038468169837855	39.038468169837855
433	57	41873	-85821.1413	829357.3170250766	39.152229235835435	-101.1019577	121951.51531148006145	4335773.91864515	3186.251169180471	3100.2171890511452	3045.90317419215	3045.90317419215	39.038468169837855	39.038468169837855
434	57	41874	-85161.1413	829357.3170250766	39.15223505652151	-101.0996313	121951.51531148006145	4335769.33034328	3184.177964289621	3100.2171890511452	3045.17657405757	3045.17657405757	39.038468169837855	39.038468169837855
435	57	41875	-84501.1413	829357.3170250766	39.15224087175294	-101.097316	121951.51531148006145	4335765.382621	3182.158293120564	3100.2171890511452	3044.458293120564	3044.458293120564	39.038468169837855	39.038468169837855
436	57	41876	-83841.1413	829357.3170250766	39.15224670350551	-101.0949784	121951.51531148006145	4335761.883264382	3180.07572463236	3100.2171890511452	304			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevHtKrg.ft	SurfLogsKrg.ft	SurfHtBoth.ft
49	57	4199	-29061.14133	829357.3170250766	39.152656573546106	-100.9018831	335660.6752850707	4335426.982680749	3052.977404217979	2934.9330307550395	2884.335701445734	2884.387182237557	59.57923930930568	59.54584151328371
50	57	4196	-28041.14133	829357.3170250766	39.15265762972221	-100.8995867	335861.7211813157	4335426.65741271	3051.77338196556	2884.1957439399304	2884.277657464844	59.57327605205626	58.855817195112195	58.855817195112195
521	57	4194	-2741.14133	829357.3170250766	39.15265942961187	-100.8972602	336262.76861734623	4335412.972211071	3050.56562190377	2942.330477854557	2883.339071762892	58.9446495175538	58.93986046333026	58.93986046333026
52	57	4192	-27081.14133	829357.3170250766	39.15267137026517	-100.8940388	336263.8124933647	4335417.677302127	3049.359283	2941.522314696791	2881.5884388913047	59.9337585145832	59.8774852490734	59.8774852490734
523	57	4193	-26241.14133	829357.3170250766	39.15257331	-100.8925773	336464.8579095785	4335413.682456433	3044.703280270405	2940.7080791882818	2878.9878724146783	59.7808541491465914	61.622066707338989	61.622066707338989
524	57	41964	-25761.14133	829357.3170250766	39.15257490562416	-100.8902508	336665.9031661896	4335409.687781341	3043.1042867739628	2939.8871420828487	2875.732702719563	58.757810196292717	61.54440010532033	63.75622453215425
525	57	4195	-25011.14133	829357.3170250766	39.1525763655637	-100.8879244	336866.948263205	4335405.693	3040.486912744705	2939.05928305182	2872.026983103045	58.72738200438566	60.923995413676	66.82106301332624
526	57	41966	-24441.14133	829357.3170250766	39.15257832	-100.8859579	337067.9932014259	4335401.68954546	3037.179172704705	2938.2240353932125	2868.136353185367	58.7611718997514	70.0854290	69.9475249
527	57	4198	-23781.14133	829357.3170250766	39.15257964798167	-100.8832716	337269.03788045847	4335397.704801305	3034.70507597307	2937.369881064428	2867.468115467383	58.73327681	58.69826455317938	58.69826455317938
528	57	4198	-23211.14133	829357.3170250766	39.1525815611961	-100.880945	337470.8260071126	4335393.710207713	3033.139213675353	2936.52779907759	2859.3463740285183	58.6581359	77.8740292231949	77.8740292231949
529	57	41969	-22461.14133	829357.3170250766	39.15258781131679	-100.8786185	337671.1271	4335389.710173748	3031.5491676021093	2935.670340366043	2854.0052783683253	58.5427552	81.6678171456033	81.39481771
530	57	4197	-21801.14133	829357.3170250766	39.15258619979514	-100.8762921	337872.171365802	4335385.723799956	3029.958713566256	2934.8020714702207	2850.6645180046135	58.5110137	84.13755347	83.7910344929062
531	57	41971	-21441.14133	829357.3170250766	39.152586081854786	-100.8739656	338023.21561080816	4335381.729193835	3028.3572731758828	2933.9244571202908	2849.001500912376	58.4908617128979	84.92430720305125	84.3438399
532	57	41972	-20481.14133	829357.3170250766	39.1525875	-100.8716392	338274.2594979174	4335377.366320295	3026.7447336838873	2933.036493	2848.596274974041	58.4943826678392	84.402175542682	83.6482558027802
533	57	41973	-19821.14133	829357.3170250766	39.152588870795945	-100.8699127	338475.3032737404	4335373.743317679	3025.13224	2932.1374659598	2846.792976540234	58.4936929504213	85.688273262679	85.3770972327
534	57	41974	-19181.14133	829357.3170250766	39.15259019786185	-100.866983	338676.3469920243	4335369.750178027	3023.5197478339823	2931.2274874997624	2845.38904071713	58.45261016951527	85.834465280496	85.9664705482379
535	57	41975	-18501.14133	829357.3170250766	39.15259147999127	-100.8646598	338877.3905	4335365.78709163	3022.18721826209	2930.3057719724466	2845.5477332778604	58.4528073	87.9778989	85.02569090392655
536	57	41976	-17841.14133	829357.3170250766	39.1525927178422	-100.8623333	339078.34873106294	4335361.765214579	3021.13467206029	2929.3725367148745	2845.6015391047845	58.457776464622	83.7709852007404	84.0946609
537	57	41977	-17181.14133	829357.3170250766	39.15259391	-100.8600609	339279.477071486	4335357.772379138	3020.0281258544693	2928.4267577321375	2844.7847345119512	58.4449684120484	83.63941261265262	83.9297732400980
538	57	41978	-16521.14133	829357.3170250766	39.1525950676072	-100.8575804	339480.52011513524	4335353.780544421	3019.02958	2927.465053585877	2844.007952128913	58.44267842496307	83.7029628328039	83.7029628328039
539	57	41979	-15861.14133	829357.3170250766	39.152597159144245	-100.855354	339681.5630022704	4335349.78489829	3017.814176830413	2926.48941708302	2842.9236280247534	58.4259758473393	83.6658196914848	83.92999921
540	57	41980	-15201.14133	829357.3170250766	39.15259771659128	-100.8530275	339862.6033736717	4335345.765667882	3016.5119265344058	2926.48912310018	2842.013873282255	58.4200573433037	84.6801737179239	84.8177856498087
541	57	41981	-14541.14133	829357.3170250766	39.15259903499626	-100.8504751	3401289.0063969622	4335341.768379077	3015.308615555839	2925.469159188482	2825.132226745157	58.4216196504174	83.717680800779	83.717680800779
542	57	41982	-13891.14133	829357.3170250766	39.15259919657597	-100.8483746	340284.602765191	4335337.812383401	3014.86541944527	2923.465188226707	2838.07525096838	58.37106861114328	85.40992736302284	85.51450071
543	57	41983	-13221.14133	829357.3170250766	39.15260011931359	-100.8460481	340485.732895861	4335332.718560847	3013.22717856809	2922.46274659128	2835.83322856221	58.35106364035048	86.54540956	86.54540956
544	57	41984	-12561.14133	829357.3170250766	39.152601	-100.8437217	340686.775907137	4335329.83695104	3010.55395205114	2921.43890395509	2833.0365287732075	58.33128323	88.4042516220317	88.3105691
545	57	41985	-11901.14133	829357.3170250766	39.15260182977974	-100.8413952	340887.8171492731	4335325.839684308	3008.7857219592114	2920.43549871133	2830.2191302004735	58.3180735673982	90.0843875053283	90.0843875053283
546	57	41986	-11241.14133	829357.3170250766	39.15260261706787	-100.8390687	341188.58984610157	4335321.484789845	3007.017493642763	2919.369008528466	2827.4792657280345	58.27554015468052	91.8803351240126	91.80558384479136
547	57	41987	-10581.14133	829357.3170250766	39.15260337259766	-100.8368123	3414289.187742651	4335318.889329164	3006.24926971477	2918.786391278635	2826.041014032358	58.274516815736	91.812350514448	91.812350514448
548	57	41988	-9921.14133	829357.3170250766	39.15260405454547	-100.8344158	341690.454054547	4335313.98765444	3005.80465899023	2917.24957850216	2823.985675453284	58.27395675453284	93.2707715390949	93.2707715390949
549	57	41989	-9261.14133	829357.3170250766	39.15260471147331	-100.8320984	341691.93409022676	4335307.87238619	2998.91888817966	2916.136367265814	2824.058784019106	58.23964514077656	92.1248902467078	92.1248902467078
550	57	41990	-8601.14133	829357.3170250766	39.15260532	-100.8297629	341893.024587994	4335305.80870696	2996.03193490296	2915.112145640408	2825.136218743903	58.22459076389403	89.9491328807177	90.21618174637217
551	57	41991	-7941.14133	829357.3170250766	39.15260582701015	-100.8273464	342094.0665126889	4335301.89709802	2993.39635121302	2914.03563369091	2826.91460584787	58.2245934816615	91.1251027479913	90.4861484742059
552	57	41992	-7281.14133	829357.3170250766	39.15260640091032	-100.82511	342295.1056130527	4335297.907244964	2991.015513320632	2912.954983206592	2829.681140806205	58.22916735836375	93.2731017971731	93.2731017971731
553	57	41993	-6621.14133	829357.3170250766	39.152606814125986	-100.8227638	342496.1472006475	4335293.917593162	2988.623915426262	2911.071585235094	2824.699848989094	58.2304502551083	97.71773634	97.7688148440117
554	57	41994	-5961.14133	829357.3170250766	39.152607302519165	-100.8204571	342697.187742651	4335289.028114392	2988.24926971477	2910.786391278635	2826.041014032358	58.2315808110875	93.2707715390949	93.2707715390949
555	57	41995	-5301.14133	829357.3170250766	39.15260786918847	-100.8181308	342898.2281747516	4335285.838098451	2986.24926971477	2909.704628034814	2820.51212196007	58.23476504402175	98.1804056396074	98.1804056396074
556	57	41996	-4641.14133	829357.3170250766	39.15260804238204	-100.8158041	343099.2684321148	4335281.949675905	2984.6116634107474	2908.617128545735	2838.962836324965	58.2397875214806	99.6308491320678	99.6308491320678
557	57	41997	-3981.14133	829357.3170250766	39.152608317808715	-100.8134777	343300.3085	4335277.96071619	2984.0036943819878	2907.65238491921	2834.2503872159737	58.231867258474	70.069222586703	70.069222586703
558	57	41998	-3321.14133	829357.3170250766	39.152608566498884	-100.8115152	343501.3448484935	4335269.971924249	2986.6402819647092	2906.447482031383	2826.8043249585127	58.23670181362557	79.6471956901954	79.6471956901954
559	57	41999	-2661.14133	829357.3170250766	39.152608828710526	-100.8088248	343702.3882879187	4335293.93351676	2982.84531	2905.35772644329	2819.624027416743	58.23195158231286	86.73332370066598	86.73332370066598
560	57	4200	-2001.14133	829357.3170250766	39.15260952889973	-100.8064843	343903.4279351047	4335265.98447803	2980.695961002714	2904.274174503072	2814.704344592023	58.23080173366719	86.6672059002415	86.6672059002415
561	57	42001	-1341.14133	829357.3170250766	39.152609784265041	-100.8041684	344104.56963444	4335261.068097988	2980.615821987452	2903.040181004594	2813.464911874448	58.23040181004594	93.2707715390949	93.2707715390949
562	57	42002	-681.14133	829357.3170250766	39.152609911144564	-100.8018453	344305.5067735813	4335253.81152253	2979.1612427483524	2902.104277483524	2812.633991413447	58.221902417312464	89.9491328807177	90.21618174637217
563	57	42003	-1.14133	829357.3170250766	39.15261033440225	-100.7995189	344506.5459652818	4335254.303036953	2979.236671298364	2901.620223242826	2812.486223714704			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.f	W.Lt	BRfElevKgr.f	BRfElevKgr.ft	SatHtKgrs.f	SatHtKgrs.ft
45	47	42085	44098.8586730335	829357.3170250766	-0.15245817707025	-0.00807495	360991.2634	4343927.608734853	2860.447774908183	2737.562517177724	2737.8511462934766	3441008312293564	34.1124546958935
646	57	42086	54758.8586730335	829357.3170250766	-0.15245447125612	-0.0066423	361192.2907	4343523.631573735	2862.3567440035653	2730.267591778035	2738.036300167625	37.9312716004102	39.01573113860180
647	57	42087	55418.8586730335	829357.3170250766	-0.1524567200578	-0.0046964	361303.17691486	4343491.661713444	2861.833312655446	2738.51042258967	2741.251989071492	37.9285318447918	39.01573113860180
648	57	42088	56078.8586730335	829357.3170250766	-0.15244692481923	-0.00170071	361594.3449502066	4343515.684681172	2864.07748055361	2766.905456217604	2743.955320069643	37.94430158990481892	39.01573113860180
649	57	42089	56738.8586730335	829357.3170250766	-0.15244304196484	-0.0094437	361795.3718673354	4343493.715718	2837.91964059376	2765.242679605877	2745.651254478478	37.94646784021495	39.01573113860180
650	57	42090	57398.8586730335	829357.3170250766	-0.15243919863756	-0.00597112	361996.3887	4343907.742	2827.761172549714	2763.955394080333	2743.569344020024	37.944705781021292	39.01573113860180
651	57	42091	58058.8586730335	829357.3170250766	-0.1524362814243	-0.00547908	362197.4253	4343903.76973581	2823.647848877473	2761.9727239436357	2740.2635049027836	37.93943023505781	39.01573113860180
652	57	42092	58178.8586730335	829357.3170250766	-0.15243129271117	-0.0052443	362398.145183719	4343899.79714099	2825.75433924431	2761.9727239436357	2743.738158294249	37.9378990905368	39.01573113860180
653	57	42093	58378.8586730335	829357.3170250766	-0.1524277200578	-0.0046964	362599.4781993386	4343895.825	2821.5203638988412	2758.8118065221856	2738.650489489717	37.928144888512804	39.01573113860180
654	57	42094	60038.8586730335	829357.3170250766	-0.15242227000115	-0.00587114	363000.504452915	4343891.8552636485	2823.431930414237	2757.729683978194	2743.242242871033	37.92569023197825	39.01573113860180
655	57	42095	60698.8586730335	829357.3170250766	-0.15241906800344	-0.0058485	363001.5305664307	4343887.880516648	2826.525669742397	2755.729928377357	2733.5474517793928	37.92376134866667	39.01573113860180
656	57	42096	61358.8586730335	829357.3170250766	-0.15241494162442	-0.0058158	363202.5565006334	4343883.906841245	2818.7785378483436	2754.310390833096	2732.98928225931	37.914566892491103	39.01573113860180
657	57	42097	62018.8586730335	829357.3170250766	-0.1524107151239	-0.00580321	363403.584023098	4343879.936939131	2811.0335087224476	2752.879732000706	2730.640466343084	37.9168271957435	39.01573113860180
658	57	42098	62678.8586730335	829357.3170250766	-0.1524064646421	-0.00578056	363604.608123034	4343875.95408564	2803.284789595515	2751.465919	2727.79050161762	37.9156921615658	39.01573113860180
659	57	42099	63238.8586730335	829357.3170250766	-0.1524022667991	-0.00576192	363805.6037109731	4343871.994	2798.546623055156	2750.08710395911	2725.56740334679	37.913759304102367	39.01573113860180
660	57	42100	63998.8586730335	829357.3170250766	-0.15239787155915	-0.00573857	364006.6591671255	4343868.02263718	2796.87309709939	2748.733863445498	2721.950787619893	37.9133310580298	39.01573113860180
661	57	42101	64658.8586730335	829357.3170250766	-0.152393841703016	-0.005715263	364207.6849164946	4343865.01849566	2795.069241614375	2747.4022345266817	2720.738877059827	37.908380285709647	39.01573113860180
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665	57	42105	67298.8586730335	829357.3170250766	-0.15237552291611	-0.00562205	365001.7848721847	4343848.169513363	2787.826813	2742.2395671246833	2679.955671246833	37.905671246833	39.01573113860180
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687	57	42127	81818.8586730335	829357.3170250766	-0.1522643434343	-0.00511018	369434.193931953	4343760.75482963	2771.098154728504	2714.26153894927	2662.519171436748	37.89370164368045	39.01573113860180
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692	57	42132	85118.8586730335	829357.3170250766	-0.1522354788936	-0.00499406	370439.4055029						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgrg.ft	BRfElevBothKgrg.ft	SatBothKgrg.ft	SatBothft.
31	58	4211	-351141.1413	830017.3170250766	39.1480620881391556	-102.03715546	237351.2592393856	4337601.519660732	3962.4725112175643	3927.5508080966492	3796.241929636974	3790.3792500950226	32.30887132951784	37.17155087126596
32	58	4212	-350481.1413	830017.3170250766	39.148085971815405	-102.0342829	237372.4075262747	4337597.439	3961.455926376163	3926.323445306912	3794.488576778335	3790.39168972403	31.83496852657828	36.42178643166626
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71	58	4251	-324741.1413	830017.3170250766	39.14898623927063	-101.9441089	245576.9912913243	4337438.41934629	3906.405349455958	3778.700334689859	3736.48872541844	3732.2021881041	52.1156204801491	56.4801183797399
72	58	4252	-324081.1413	830017.3170250766	39.14900447932002	-101.9417627	245778.12568089	4337434.33889445	3863.834712931249	3777.23240170488	3736.332198137286	3716.951712205537	60.2809849644098	60.2809849644098
73	58	4253	-323421.1413	830017.3170250766	39.14902732919067	-101.939416	245979.268194343	4337430.2811186	3908.0183091651907	3794.781506585233	3768.085342781312	3779.5819265211947	35.75591791762074	42.5994110466589
74	58	4254	-322761.1413	830017.3170250766	39.14904851777657	-101.9371304	246180.4046811573	4337429.1314279	3902.8728034817295	3784.394570812852	3730.992321	3729.71427	53.40224032634215	54.68030167072212
75	58	4255	-322101.1413	830017.3170250766	39.14907046960814	-101.9348042	246381.5421963654	4337422.117833156						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
157	42337	-267981.1413	830017.3170250766	39.15071726789284	-107.7440532	262873.9662570916	437088.691275203	3723.262875245408	3576.408860145165	3611.130907779655	3612.765221505699	0	0	
158	42338	-267321.1413	830017.3170250766	39.15073585040451	-107.741727	263075.08341609705	437084.63242171	3727.33704841729	3573.896589044634	3611.308450479367	3613.808352433011	0	0	
159	42339	-266661.1413	830017.3170250766	39.15074345918574	-107.7394007	263276.7640778927	437090.7337444508	3730.093556146265	3571.2985944671595	3610.683656132477	3614.891836546837	0	0	
160	42340	-266001.1413	830017.3170250766	39.15077216104471	-107.7370704	263477.713123234	4373076.15125163	3731.530050640097	3568.685932452324	3609.3464446002804	3616.21411176983	0	0	
161	42341	-265341.1413	830017.3170250766	39.15077204896417	-107.7347481	263678.43388798046	4370762.456918911	3732.9677656735676	3566.057631405254	3607.3606165282527	3617.33173819214	0	0	
162	42342	-264681.1413	830017.3170250766	39.1508028195282	-107.7324218	263879.549810301	437068.39876523	3734.4048807030385	3563.4166722288683	3605.403077660147	3619.277426326263	0	0	
163	42343	-264021.1413	830017.3170250766	39.150826290010656	-107.7300955	264080.6680037604	4370664.340796396	3733.392779585577	3560.7639260148726	3603.08904841289	3620.25256820677	0	0	
164	42344	-263361.1413	830017.3170250766	39.150844243137605	-107.7277692	264281.78155652474	437060.28300818	3729.931462321184	3558.0997874239874	3600.59093491487	3620.429237298307	0	0	
165	42345	-262701.1413	830017.3170250766	39.150862145133386	-107.725443	264769.490787959	437056.225368985	3726.470145	3555.24437544674	3597.0970723477612	3620.331951411084	0	0	
166	42346	-262041.1413	830017.3170250766	39.150880145388905	-107.7231167	264884.0123697404	437052.1677492	3723.00882792397	3552.7384746254077	3593.675675435478	3621.763798964537	0	0	
167	42347	-261381.1413	830017.3170250766	39.15089783293296	-107.7207904	264885.1274273026	4370408.110670328	3720.134074488375	3550.0424849691203	3589.773903676743	3622.43032527369015	0	0	
168	42348	-260721.1413	830017.3170250766	39.1509156033617	-107.7184641	265086.2422523236	4370404.05379396	3717.846884026113	3547.337037386378	3585.887904953008	3622.562575658564	0	0	
169	42349	-260061.1413	830017.3170250766	39.1509333480825	-107.7161378	265287.35684496764	437039.99666461	3715.593936003388	3544.6233412708016	3581.397261739652	3623.68966265071	0	0	
170	42350	-259401.1413	830017.3170250766	39.15095101834932	-107.7138115	265488.4712056312	437035.939926146	3713.271871806636	3541.904336	3576.706881730542	3622.24493133707007	0	0	
171	42351	-258741.1413	830017.3170250766	39.15096866956928	-107.7114852	265698.58853344305	437031.883363632	3710.928840739928	3539.1891003040642	3619.7075404958087	3623.4882589587	0	0	
172	42352	-258081.1413	830017.3170250766	39.15098625063812	-107.7091589	265890.69923157117	437027.826977715	3708.5243712811816	3536.452993971498	3567.032077078735	3617.128784359143	0	0	
173	42353	-257421.1413	830017.3170250766	39.151003799385784	-107.7068328	266091.8128972754	437023.770776784	3706.1219018224356	3533.7205686065805	3562.0774993071155	3610.8314418983564	0	0	
174	42354	-256761.1413	830017.3170250766	39.151021330322256	-107.7045063	266292.9263316975	437019.714734034	3703.71943236369	3530.9813140685874	3557.288806193098	3606.75879206586	0	0	
175	42355	-256101.1413	830017.3170250766	39.15103876208749	-107.70218	266494.803530887	437015.65887457	3701.340374324547	3528.235414	3552.77877671677	3602.7907769947474	0	0	
176	42356	-255441.1413	830017.3170250766	39.15105617604144	-107.6998537	266695.1525076432	437011.603195406	3698.9851159590004	3525.482543294356	3548.228666023236	3597.671649286966	0	0	
177	42357	-254781.1413	830017.3170250766	39.151073340564136	-107.6975274	266896.2652495443	437007.547889798	3696.629728175472	3522.724253618484	3543.976155177903	3591.32142998108	0	0	
178	42358	-254121.1413	830017.3170250766	39.1510908915545	-107.6952011	267097.3777610544	437003.492360096	3694.274340391934	3519.955495730624	3539.6497402586235	3585.476268	0	0	
179	42359	-253461.1413	830017.3170250766	39.151108814831545	-107.6928327	267298.4288417506	436999.4720774343	3692.183342	3518.455849897497	3538.7635947146389	3581.923828282826	0	0	
180	42360	-252801.1413	830017.3170250766	39.15112538254402	-107.6905485	267499.6020355656	436995.382	3685.09045352624	3514.4051891272243	3531.35457549336	3567.0223820291	0	0	
181	42361	-252141.1413	830017.3170250766	39.15114257184116	-107.6882221	267700.731499846	436993.327430245	3679.765693	3511.6214730300253	3527.325891337543	3563.03544477258	0	0	
182	42362	-251481.1413	830017.3170250766	39.15115971620688	-107.6858958	267901.825068214	436989.722805686	3674.433311495396	3508.8325200401075	3525.959567236207	3558.325010223694	0	0	
183	42363	-250821.1413	830017.3170250766	39.15117881564106	-107.6835965	268102.98698723874	436983.218	3667.836756405698	3506.038777683363	3519.645061348657	3551.76942172309	0	0	
184	42364	-250161.1413	830017.3170250766	39.15119387014374	-107.6812342	268304.0408245003	436979.16408496	3659.9760276562365	3503.242144	3515.753252664866	3548.457920446815	0	0	
185	42365	-249501.1413	830017.3170250766	39.15121087917485	-107.6789167	268505.198986789	436975.198986789	3658.15198986789	3500.9431286715447	3511.7614338383	3543.7532475335843	0	0	
186	42366	-248841.1413	830017.3170250766	39.15122784533968	-107.6765906	268706.2695821096	436971.050083636	3644.254571557315	3504.0103677732056	3507.61877865178	3547.1632941109714	0	0	
187	42367	-248181.1413	830017.3170250766	39.15124476402284	-107.6742643	268907.380028561	436967.002324489	3634.243537932371	3494.83819391274	3503.963963751105	3531.719986	0	0	
188	42368	-247521.1413	830017.3170250766	39.15126163883534	-107.671938	269108.4902472411	436962.949	3622.082200611948	3492.032899307767	3500.04365906797	3524.874191594465	0	0	
189	42369	-246861.1413	830017.3170250766	39.15127845	-107.6696116	269309.6002371215	436958.89536424	3609.92086381525	3489.227367167233	3496.3721081041676	3516.1074455	0	0	
190	42370	-246201.1413	830017.3170250766	39.15129525359594	-107.6672853	269507.70100003145	436953.842148796	3597.759527051102	3486.4210901050246	3492.323449678882	3510.361432522823	0	0	
191	42371	-245541.1413	830017.3170250766	39.15131199357707	-107.664859	269701.8195345898	436950.789109331	3587.487268317314	3483.614298865166	3488.247168863434	3504.3197964215296	0	0	
192	42372	-244881.1413	830017.3170250766	39.151328982638	-107.6625327	269902.9268173683	436946.73245214	3579.103631723346	3480.97112385277	3481.025493919445	3497.75394725293	0	0	
193	42373	-244221.1413	830017.3170250766	39.15134534	-107.6603064	270114.0379121256	436942.83655764	3570.721951632973	3478.9228912190555	3477.89710352	3491.4522971844671	0	0	
194	42374	-243561.1413	830017.3170250766	39.15136194392564	-107.65798	270315.1476770084	436939.361040606	3562.336736	3475.191890771593	3475.6920787463037	3485.37534346863	0	0	
195	42375	-242901.1413	830017.3170250766	39.15137850418334	-107.6556537	270516.2553992053	436935.747710044	3555.805328036955	3472.348080516412	3471.5524357777113	3480.063280792683	0.831644739	0	
196	42376	-242241.1413	830017.3170250766	39.15139501950525	-107.6533274	270717.3638	436930.3525602825	3551.2609639362	3467.577621820335	3467.5870525626374	3478.78240640495	1.9905692614361215	0	
197	42377	-241581.1413	830017.3170250766	39.15141148989195	-107.6510011	270918.47197300165	436926.45667265	3546.67119229384	3466.773611801637	3463.969239499092	3464.9828957272495	0	0	
198	42378	-240921.1413	830017.3170250766	39.15142791533318	-107.6486747	271131.5781599	436922.42795771	3542.082564792716	3463.972377922195	3460.94519568986	3463.435161181383	3.746865922699154	0.5373618038417203	
199	42379	-240261.1413	830017.3170250766	39.15144526579166	-107.6463284	271327.6288173683	436918.65932474	3539.82912181669	3461.0251219112	3458.92812146389	3461.753947146389	0	0	
200	42380	-239601.1413	830017.3170250766	39.15146053173112	-107.6440221	271521.795129165	436912.3166005262	3532.381686005263	3458.37849583136	351.307894087313	3453.485375972233	7.0705158404917	4.803109711	
201	42381	-238941.1413	830017.3170250766	39.15147692213502	-107.6416958	271722.902398087	436908.26399303	3510.777737835053	3455.585904866455	3464.645916983374	3448.274161256277	8.9396838309808	7.13109861	
202	42382	-238281.1413	830017.3170250766	39.151493187672886	-107.6393694	271924.0095407035	436906.217	3499.17382967054	3452.959877977985	3441.829114017476	3442.98578676068	10.69686369032248	9.98710421730315	
203	42383	-237621.1413	830017.3170250766	39.151509386706456	-107.6370431	272125.1163580481	436902.16639816	3490.0888137498	3446.8967880320057	3438.03696035727	3441.1189963499753	11.7739907212548	10.79789447335332	
204	42384	-236961.1413	830017.3170250766	39.15152525453607	-107.6347168	272326.225902903	436898.11568916	3488.99368728927	3447.22368124573	3431.962063784703	3433.44578736996	15.2619433969589	13.97376387678482	
205	42385	-236301.1413	830017.3170250766	39.151541655469385	-107.632484	272527.3268173683	436894.65932474	3486.97119384764	3444.92800404111	3427.2684041332655	3427.1427684416115	17.17516277284769	15.22548432879516	
206	42386	-235641.1413	830017.3170250766	39.1515577	-107.6300461	272732.434602389	436890.0146327345	3483.152772546347	3441.6549260317106	3423.01091589535	3422.82375	18.54401103261489	16.82361604474058	
207	42387	-234981.1413	830017.3170250766	39										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	LatHtLog.f	SurHtBoth.f
283	58	42463	-184821.1413	830017.3170250766	39.15265894868066	-101.4509334	288212.9499918978	433675.7862	341.1954765989617	3234.429389707248	3193.287266134014	3204.2166586524845	41.14212337323413	30.21273105476348
284	58	42464	-184161.1413	830017.3170250766	39.152672411062774	-101.448402	288414.0393294581	433657.424956363	3422.033488607139	3224.055445945986	3196.41322642429618	3190.41322642429618	45.6716330536677	41.6451380311005
285	58	42465	-183501.1413	830017.3170250766	39.15286162733375	-101.446278	288612.6582470167	433657.50843953	3434.124211	3229.716114865614	3178.263198665959	3178.3457165165987	50.43238494686453	52.77036978466458
286	58	42466	-182841.1413	830017.3170250766	39.1526973896354	-101.443562	288816.2171098192	433655.52098831	3445.208933428185	3227.408347014567	3171.97457102911	3158.513158400953	45.3395561154582	48.89491487355144
287	58	42467	-182181.1413	830017.3170250766	39.152708502632374	-101.441278	289017.3057326511	433656.51296587	3446.82373273324	3225.1419243832056	3164.68734788579	3133.2346068215993	40.54457649742639	91.90377516
288	58	42468	-181521.1413	830017.3170250766	39.15272220653291	-101.439014	289218.394274568	433658.47918601	3447.968607897778	3222.962029406601	3156.943443091855	3159.9683561347491	62.9575650758415	62.9575650758415
289	58	42469	-180861.1413	830017.3170250766	39.1527345306284	-101.436975	289419.4825	433655.44408618	3446.113483062144	3220.737372	3149.209530408726	3177.987212525372	42.78651285128998	42.78651285128998
290	58	42470	-180201.1413	830017.3170250766	39.1527468345683	-101.434648	289620.5704554538	433655.44040618	3444.258362269144	3218.702083532373	3141.846885020417	3181.419284329876	76.65519732982654	76.65519732982654
291	58	42471	-179541.1413	830017.3170250766	39.15275983119393	-101.432322	289861.6582470167	433657.424956363	3445.489516863683	3216.732532713965	3134.8752123823184	3176.45618616213	81.85711033158805	85.4969769
292	58	42472	-178881.1413	830017.3170250766	39.15277129	-101.429958	290022.7458234121	433652.423788484	3443.83395112688	3214.89196572537	3124.53677903451	3164.2397741470203	90.56519538484536	90.56519538484536
293	58	42473	-178221.1413	830017.3170250766	39.15276343883797	-101.427693	290223.8332103465	433653.802564905	3428.16939681634	3217.3336072040065	3141.855213671877	3185.876307865492	71.354727292298891	71.354727292298891
294	58	42474	-177561.1413	830017.3170250766	39.1527955169517	-101.425349	290424.9203827897	433653.426720211	3424.504841230678	3211.78116065715	3126.933654008807	3151.2115872274593	74.84746206	90.206258839654
295	58	42475	-176901.1413	830017.3170250766	39.15280761861801	-101.423016	290626.070584318086	433653.232850817	3415.060841962052	3210.4370705528027	3127.782750580221	3106.523142746943	82.654200440354	103.91392807623606
296	58	42476	-176241.1413	830017.3170250766	39.15281964060231	-101.420691	290827.9401731244	433652.19635677	3403.874017753033	3209.3727578318785	3128.892094728833	3146.573277244532	80.480661304557	62.7949055742625
297	58	42477	-175581.1413	830017.3170250766	39.15283161765982	-101.418367	291028.108660393	433652.183837676	3392.613961775033	3208.571928954355	3129.87963993466	3148.107532428578	74.84128901	22.12862421566933
298	58	42478	-174921.1413	830017.3170250766	39.15284355	-101.416073	291229.267076237	433651.812954322	3381.39017017337	3205.85103282015	3130.377081776853	3126.667391625325	77.4742510506187	0
299	58	42479	-174261.1413	830017.3170250766	39.15285544	-101.4137108	291430.4531020906	433651.0406	3371.319851748407	3207.345818666163	3130.090546980132	3235.628101745301	77.25527170603703	0
300	58	42480	-173601.1413	830017.3170250766	39.1528672792127114	-101.411384	291631.4309851365	433651.061632996	3362.401969119477	3206.9621024101658	3128.890585824962	3205.61954343097	78.7862329930354	0
301	58	42481	-172941.1413	830017.3170250766	39.15287908	-101.409058	291832.5284162693	433650.071952095	3353.4840807559362	3206.691157084676	3127.0243281757357	3179.6458367688497	79.66628808804026	27.045293315826257
302	58	42482	-172281.1413	830017.3170250766	39.15289082898778	-101.4067136	292033.6104215623	433650.9194	3344.5661629325934	3206.49068368354	3124.747974727903	3143.703947909018	81.742741	62.787635754663
303	58	42483	-171621.1413	830017.3170250766	39.15290524	-101.404052	292234.696620687	433649.961003162	3334.3288067401	3206.361181284347	3123.212186	3121.5883418998837	40.0339165898837	84.7577762285904
304	58	42484	-170961.1413	830017.3170250766	39.15291419886381	-101.402078	292436.7807796459	433649.961003162	3325.873567772853	3206.2428964595748	3120.518962595907	3125.218962595907	85.30983051962403	81.023038
305	58	42485	-170301.1413	830017.3170250766	39.1529256463698	-101.399789	292640.8894916675	433649.961003162	3316.8894916675	3205.167849227814	3119.67108426798	3122.14567481687	76.8096975	92.74350889204
306	58	42486	-169641.1413	830017.3170250766	39.15293738900565	-101.3974259	292837.950394756	433648.961954766	3309.895271891554	3205.121395340787	3121.5022431093125	3148.49717748344	81.6192964276516	57.6238220506347
307	58	42487	-168981.1413	830017.3170250766	39.15294891678885	-101.395095	293039.0349032836	433648.825982225	3311.6265971785545	3206.089170843127	3122.950088	3161.634434313957	83.1909278168674	44.5457278216977
308	58	42488	-168321.1413	830017.3170250766	39.1529603955814	-101.3927731	293240.1192032741	433647.796797072	3306.564520572134	3206.068698071683	3124.7394243128013	3160.47035975982	81.329458588149	45.59833811850966
309	58	42489	-167661.1413	830017.3170250766	39.1529781873934574	-101.3904466	293441.2032996949	433647.736481015	3301.6510735998633	3206.070798972658	3126.624638450208	3149.4234115869787	48.811980677545	48.811980677545
310	58	42490	-167001.1413	830017.3170250766	39.152983230296094	-101.3881729	293642.28719271015	433646.732340137	3306.452298742516	3205.061596279999	3128.720321953479	3140.69707043023	77.31724236539	59.354524849746096
311	58	42491	-166341.1413	830017.3170250766	39.152985457626265	-101.3857036	293843.9869763684	433646.70288708014	3302.70288708014	3205.06849768014	3128.14567481687	3140.69707043023	81.45151186378	92.74350889204
312	58	42492	-165681.1413	830017.3170250766	39.152991871294284	-101.383274	294044.4543693827	433646.6583691	3300.26049638273	3205.06401371771	3127.376772	3128.43572372423	72.6736373097174	77.6144329
313	58	42493	-165021.1413	830017.3170250766	39.152997113939094	-101.3811409	294245.5376534541	433645.63068511	3347.8103688619618	3206.051685340644	3134.820292060969	3131.0073581354803	72.1313932039515	74.1443271162386
314	58	42494	-164361.1413	830017.3170250766	39.15300283525261	-101.3788145	294446.6270349517	433645.52065284	3346.3763254751384	3206.051639147526	3136.78282125162	3123.844927344004	69.0969693	82.5667113747218
315	58	42495	-163701.1413	830017.3170250766	39.153003952077925	-101.3764881	294647.7036140801	433645.574263196	3344.571877539228	3206.048433818454	3138.6632959227754	3110.47263821001	67.3851376	95.611197
316	58	42496	-163041.1413	830017.3170250766	39.15300644070866	-101.3741616	294846.78269104723	433645.78345173248	3342.4532863005305	3206.04033683545	3139.67884831196	3119.61805303769	66.483930234895	86.4229564977606
317	58	42497	-162381.1413	830017.3170250766	39.15306172247445	-101.371832	295049.889760543	433644.152258429	3346.259954162178	3206.025187294713	3140.83787458326	3119.468197548326	56.187940631457	86.5889217233086
318	58	42498	-161721.1413	830017.3170250766	39.15307429	-101.369438	295245.951815726	433644.152258429	3347.111241610853	3206.0163472372	3141.81004262768	3122.14567481687	81.45151186378	92.74350889204
319	58	42499	-161061.1413	830017.3170250766	39.153087834335284	-101.3671823	295433.4503111033	433643.078458138	3348.0769418945692	3205.97104053905	3141.82073522306	3104.4417622172346	64.2786969274754	101.55298238280596
320	58	42500	-160401.1413	830017.3170250766	39.1530946878955	-101.3648559	295653.1148917435	433642.94056458	3352.154671819437	3205.928025481595	3141.3796813001536	3124.438536111834	64.54811414113	84.4894839676103
321	58	42501	-159741.1413	830017.3170250766	39.153105586502676	-101.3625295	295854.19665059634	433642.93052504	3355.234017447005	3205.872836	3140.461219410187	3130.51361388538	64.54811414113	75.5922109509203
322	58	42502	-159081.1413	830017.3170250766	39.15311644018365	-101.360203	296055.2811888384	433642.13603769	3358.31011669271	3205.804321744504	3138.5987340153083	3128.2838210598444	66.21628773	67.5205098460337
323	58	42503	-158421.1413	830017.3170250766	39.15312748929415	-101.357876	296256.359864412	433641.340436769	3361.80759828362	3205.721339281784	3139.67278789793	3141.6733382244323	67.4884124683907	64.0482000374607
324	58	42504	-157761.1413	830017.3170250766	39.15313872400171	-101.3555052	296456.440543742	433641.30076533	3365.74081593734	3205.64115782767	3139.670494296638	3140.50628194588129	68.015164581297	64.1232917446873
325	58	42505	-157101.1413	830017.3170250766	39.1531496115374	-101.353169	296648.521815374	433640.29484875	3368.2232786481013	3205.5922786481013	3139.670494296638	3140.50628194588129	68.015164581297	64.1232917446873
326	58	42506	-156441.1413	830017.3170250766	39.1531594955546	-101.350873	296859.019857831	433640.29484875	3369.00192184817	3205.5833403905305	3139.670494296638	3140.50628194588129	68.015164581297	64.1232917446873
327	58	42507	-155781.1413	830017.3170250766	39.1531703645034	-101.3485709	297060.86245346716	433640.21274058	3373.375903	3205.5298970520953	3141.1068174521656	3139.670494296638	68.015164581297	64

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatThBoth.f	
408	458	-42589	-101661.1413	830017.3170250766	-95.1338889652506	-101.1578909	313548.6201325305	343607.1416258253	3245.173634356782	30125.0684978376494	3087.3200624397014	37.7484343349809	37.38191907189098
410	458	-42590	-101001.1413	830017.3170250766	-95.1338959584139	-101.155474	313749.6842702797	343606.401596605	3242.705584	30125.0684978376494	3084.30434	3084.671923899494	38.678702847538
411	458	-42591	-100341.1413	830017.3170250766	-95.133924560221075	-101.153148	313559.7491253147	343603.93109355	3241.285349864782	30117.246239106201	3081.734487101084	3080.924786799763	40.7184183267186
412	458	-42592	-99681.1413	830017.3170250766	-95.1339025966412	-101.1508215	314151.813374386	343605.372766495	3240.853486757891	3119.961402169926	3076.666503219487	30.2948965043899	43.191815736209
413	458	-42593	-99021.1413	830017.3170250766	-95.133916624174064	-101.148495	314352.8738805814	343605.534669016	3240.4414385496506	3118.290752775423	3072.0339868973364	46.257154078115946	46.44052300711208
414	458	-42594	-93631.1413	830017.3170250766	-95.13392274374013	-101.146185	314553.9412647195	343603.34589309	3240.023930411202	3116.632008757226	3067.095785320717	49.5394152365066	49.88408891126614
415	458	-42595	-97701.1413	830017.3170250766	-95.13392941837308	-101.143842	314755.040239242	343604.733094167	3237.26115560986	3114.994296653984	3062.666563820208	52.33723306	52.69746983118405
416	458	-42596	-97041.1413	830017.3170250766	-95.1339304807264	-101.141515	314966.086166673	343604.317	3232.13673430433	3113.365156874208	3061.556938993265	54.236734340674	51.12128940401
417	458	-42597	-96381.1413	830017.3170250766	-95.1339325825321	-101.139189	315157.131629907	343603.30385476	3230.953498421546	3091.479819688389	3063.267994	56.2698181784187	55.47826553440956
418	458	-42598	-95727.1413	830017.3170250766	-95.13394917	-101.136926	315358.194616662	343603.502976962	3227.887818351074	3110.136947338958	3061.072349699927	58.3271910400028	49.045822612123
419	458	-42599	-95051.1413	830017.3170250766	-95.13395567549212	-101.1345361	315569.25971234593	343603.127467078	3224.33508405809	3108.3356917221	3060.388670886192	60.8519974119013	44.444450531988
420	458	-42600	-94401.1413	830017.3170250766	-95.13396211749016	-101.1322096	315760.3206821514	343602.26456968	3216.35896548475	3106.94454113221	3059.3811581028444	62.9312938103763	43.0234117531947
421	458	-42601	-93741.1413	830017.3170250766	-95.1339685220264	-101.1298831	315961.382712899	343603.251824951	3213.372695653413	3105.3608416464284	3058.131705419578	64.2913623888644	41.95740027271402
422	458	-42602	-93081.1413	830017.3170250766	-95.13397485278325	-101.1275566	316162.44567946419	343601.9255543	3213.3915014337003	3103.7851278517685	3056.5638450496263	67.213719321875	47.2213274014224
423	458	-42603	-92421.1413	830017.3170250766	-95.133981197712715	-101.1252001	316363.5079083792	343601.528660437	3209.661313176029	3102.216613808123	3054.752890327233	69.00200785	47.223348679324
424	458	-42604	-91761.1413	830017.3170250766	-95.13398746791931	-101.122938	316564.56995673815	343601.21436925	3206.178590835463	3100.654731617345	3052.75529951245	70.5541071707334	47.8990720609996
425	458	-42605	-91101.1413	830017.3170250766	-95.1339968318457	-101.120571	316765.816252489	343600.20293908	3202.97048598824	3099.089118983196	3050.644438524373	72.05524703848673	48.45362513075861
426	458	-42606	-90441.1413	830017.3170250766	-95.13399873512994	-101.1182506	316966.693411123	343600.197020489	3199.215059962215	3097.547599112845	3049.27582219769	73.3891693076204	38.55273725
427	458	-42607	-89781.1413	830017.3170250766	-95.13400060890461	-101.1159241	317167.750253356	343599.176922872	3196.370247322731	3096.020368185032	3048.244868885507	74.598268247499	47.7580673595257
428	458	-42608	-89211.1413	830017.3170250766	-95.1340120993597	-101.1135977	317368.816353742	343599.19411594	3194.031672732323	3094.0336151621072	3047.11575836569	75.05929628	35.171283212727
429	458	-42609	-88461.1413	830017.3170250766	-95.1340184487113	-101.112172	317569.877048813	343599.156149685	3191.7362902073356	3092.3030371458085	3045.995977755404	76.185812929019828	46.93138397045826
430	458	-42610	-87801.1413	830017.3170250766	-95.1340214455814	-101.109847	317790.9336	343599.144974467	3188.4402921683553	3091.407173872053	3044.728973826383	77.0656418967711	45.7639740428203
431	458	-42611	-87141.1413	830017.3170250766	-95.13402361101223	-101.106818	317971.9697997173	343599.133874987	3186.97228491546	3090.304181963773	3043.857491273784	78.0305171985747	42.84857499687385
432	458	-42612	-86421.1413	830017.3170250766	-95.13403601	-101.1042917	318173.0598820804	343599.123146734	3185.79503752283	3088.356740702993	3041.972733753617	79.04362313	46.383077026355
433	458	-42613	-85821.1413	830017.3170250766	-95.1340418775765	-101.1019652	318374.120332761	343599.112494205	3184.12628903854	3086.83967338854	3040.4123713027357	80.04792038178115	37.9494480157131
434	458	-42614	-85161.1413	830017.3170250766	-95.1340476841301	-101.0996387	318575.1806235483	343599.102015884	3182.4859514024794	3085.32603891142	3038.1827741831344	80.444701347941871	46.14324970807716
435	458	-42615	-84501.1413	830017.3170250766	-95.13405347	-101.0973122	318776.2406632606	343597.09171771	3180.69198472655	3083.8155788331164	3038.1725375123633	81.6430091418094	45.64340132075313
436	458	-42616	-83841.1413	830017.3170250766	-95.1340592052689	-101.0948857	318977.3006729655	343596.081818158	3178.823711969890	3082.308123	3037.315134	82.393640579794285	44.2002920205001
437	458	-42617	-83161.1413	830017.3170250766	-95.13406148129138	-101.0926862	319178.366916857	343595.071628132	3176.9594282131604	3080.304181963773	3036.351198573746	83.0405173170729	42.84857499687385
438	458	-42618	-82521.1413	830017.3170250766	-95.1340705327769	-101.090327	319379.198245616	343595.01064458	3175.0871746091914	3079.3017174609194	3035.74969018986	84.000590920027	43.35830032924466
439	458	-42619	-81861.1413	830017.3170250766	-95.1340761285247	-101.0880062	319580.479214701	343595.025272316	3172.973749	3077.0010216357853	3033.3107973865403	85.033661975665326	44.48149714562756
440	458	-42620	-81201.1413	830017.3170250766	-95.13408167973702	-101.0856797	319781.5384100573	343594.02804009	3170.615187	3076.302463676038	3031.118846643015	86.03176470229	45.2904567000891
441	458	-42621	-80581.1413	830017.3170250766	-95.134087186011594	-101.083352	319982.59742879996	343594.033544661	3168.256625711329	3074.04848210916254	3030.3818309066332	87.030182124524405	44.22296018499216
442	458	-42622	-79881.1413	830017.3170250766	-95.13409264734914	-101.0810267	320183.0563	343593.9304	3166.89063971169	3073.3071470157042	3030.769780292512	88.0369064	42.6165067280941
443	458	-42623	-79221.1413	830017.3170250766	-95.13409860349586	-101.0787002	320384.714937374	343593.515849302	3164.9462839167931	3071.808112704232	3030.9443528950512	89.03465798973509	40.861723951904
444	458	-42624	-78561.1413	830017.3170250766	-95.13410343231194	-101.076377	320595.773	343593.406818277	3163.45102819777	3070.30538509576	3030.900574	90.03517198573746	39.38852011022973
445	458	-42625	-77901.1413	830017.3170250766	-95.13410761712967	-101.0740472	320786.8317421037	343592.998201718	3165.856287199531	3068.796839319973	3030.6603929907026	91.03414533139598	38.1363083
446	458	-42626	-77241.1413	830017.3170250766	-95.1341140332909	-101.0717207	320987.8898810377	343592.9986174	3166.311288840384	3067.2752165053957	3030.245965160345	92.300293534107025	37.0292299363128
447	458	-42627	-76581.1413	830017.3170250766	-95.1341297199614	-101.0693942	321188.974846222	343591.936701421	3167.41674245052	3065.736551243424	3029.584097817341	93.2624657506911	36.144446326083496
448	458	-42628	-75921.1413	830017.3170250766	-95.13412471696704	-101.0670677	321390.056336066	343591.479307343	3167.1726841435	3064.1738738207227	3028.737176270506	94.36969750216195	35.35340140328815
449	458	-42629	-75261.1413	830017.3170250766	-95.13412961874904	-101.0647412	321591.0632465925	343591.936701421	3170.9258875840187	3062.57898866805	3027.473784969979	95.062266771797	35.104303713448
450	458	-42630	-74601.1413	830017.3170250766	-95.13413472031601	-101.0624147	321792.1260853383	343590.95409263	3172.844567635523	3060.738878934574	3025.319470159875	96.034548959863	35.6194048
451	458	-42631	-73941.1413	830017.3170250766	-95.13414037672003	-101.060182	321993.579496785	343590.82452431	3174.927778071483	3060.428883194394	3024.7278671074834	97.0345737358687	34.84857499687385
452	458	-42632	-73281.1413	830017.3170250766	-95.1341478918694	-101.0576717	322194.3205394916	343590.63187491	3176.14286315033	3057.472947	3020.130092	98.02156544859922	37.342654205006
453	458	-42633	-72621.1413	830017.3170250766	-95.1341497562167	-101.0554352	322395.291955291	343589.360271958	3166.316470102588	3056.63196327745	3017.476526949295	99.0748504398646	38.13733637845007
454	458	-42634	-71961.1413	830017.3170250766	-95.13415467830936	-101.0531087	322596.34869717254	343589.92021056	3163.418059408044	3053.657410691948	3014.7229971901884	100.034159179637	38.8280179637
455	458	-42635	-71301.1413	830017.3170250766	-95.13415956	-101.0507822	322797.40526534035	343588.92202635	3161.337140774797	3051.601139055012	3011.87740907933	101.073718208602	39.7237814079075
456	458	-42636	-70641.1413	830017.3170250766	-95.1341637863235	-101.048457	322998.4616600457	343588.91552601	3159.70730663714	3049.4515862517	3008.872970890053	102.0306023753664	40.5456249496403
457	458	-42637	-69981.1413	830017.3170250766	-95.134169148947	-101.046125	323199.517813877	343588.9076132	3158.81027484				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevBoth.f
53	42715	-18501.14133	830017.3170250766	-19.54404130916106	-100.8646614	33881.3862162756	4335566.939639622	2095.85250122705	230.202504295313	2848.2460100076596	2848.166978920952	81.95644928765319	82.03552537436099
536	58	-17411.14133	830017.3170250766	-19.54405368140424	-100.8623349	33902.42933935698	4335562.946882747	2029.2693451652037	2847.603442170673	2847.4065324900681	81.866103524540516	81.80871322453164	
537	58	-17181.14133	830017.3170250766	-19.5440606429211	-100.8600084	33903.47241352324	4335558.9541020923	2027.5118473178822	2847.311941317432	2846.670086783158	81.70783362101445	81.67438269148621	
538	58	-16521.14133	830017.3170250766	-19.544077767125	-100.8576819	339484.5153	4335554.961905672	2026.348584705171	2927.360906	2847.0170147166623	2846.97619739659	80.3430164017784	80.38430601718908
539	58	-15861.14133	830017.3170250766	-19.5440881	-100.8553563	339685.5798385161	4335550.969674404	2024.8783124711937	2926.3825243467018	2846.5741061292343	2846.541479339685	79.8085074237672	79.84057695301226
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541	58	-14541.14133	830017.3170250766	-19.5441088019778	-100.8507023	340087.6429289764	4335542.985371882	2023.3070200280973	2924.3825803642403	2843.028746119941	2842.9175186675314	81.33832429017911	81.4650619670963
542	58	-13891.14133	830017.3170250766	-19.5441185	-100.8483758	340288.6851674515	4335538.994026017	2019.566341047645	2923.366572789804	2841.409398188023	2841.396633641011	81.3656633641011	81.403496107
543	58	-12721.14133	830017.3170250766	-19.5441272529563	-100.8469493	340489.722529563	4335535.902462966	2017.617780586017	2922.341165934385	2839.250289172543	2839.250289172543	81.0283760418621	81.0283760418621
544	58	-12561.14133	830017.3170250766	-19.54413648180754	-100.8437228	340690.7671754393	4335531.01118295	2015.4912405026118	2921.30682078043	2838.65772886593	2838.65772886593	80.94895219315024	80.94895219315024
545	58	-11901.14133	830017.3170250766	-19.5441448696962	-100.8413962	340891.8110496297	4335534.06382623	2010.264038456723	2920.264038456723	2834.7590251961687	2834.967024050703	85.0505526145554	85.2970593192445
546	58	-11241.14133	830017.3170250766	-19.5441526814994	-100.8390697	341092.052665827	4335523.028606188	2011.238274358533	2921.21335805715	2832.58153344628	2832.788936939646	86.63182461	86.4241486319025
547	58	-10581.14133	830017.3170250766	-19.544170699631	-100.8367432	341293.891286487	4335519.78554735	2009.121897556423	2918.155176807515	2830.9979604134996	2831.26921819845	87.15719269	86.927119269
548	58	-9921.141327	830017.3170250766	-19.5441736273351	-100.8344167	341494.933642098	4335515.047	2007.015478499639	2917.090111667659	2830.367470401055	2830.4587473932373	86.722612655365	86.6313699403147
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552	58	-7271.141327	830017.3170250766	-19.544190521334	-100.8251106	342299.0912280494	4335499.08447033	2097.75662382526	2912.778662382526	2834.4028961476263	2835.757642366233	79.0007785317174	79.0007785317174
553	58	-6621.141327	830017.3170250766	-19.5441952549802	-100.8227841	342500.1387	4335496.096697796	2096.05309313828	2911.693330344834	2831.635365062228	2831.6606302415986	70.0579652860589	70.13207010323549
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555	58	-5301.141327	830017.3170250766	-19.544203325443	-100.8181311	342902.2207372563	4335487.117540935	2090.924274915558	2909.522374941558	2845.612745840444	2846.092038408463	63.929688074976	63.51309104794791
556	58	-4736.1411327	830017.3170250766	-19.5442067572618	-100.8159405	343103.2605509814	4335483.12855394	2090.57603069528	2908.4353535857674	2840.874564894653	2841.107718	67.564968	67.3316176
557	58	-4237.1411327	830017.3170250766	-19.5442095362427	-100.8137323	343291.3057424294	4335478.193621926	2087.645406210135	2907.257892304072	2840.874564894653	2841.107718	67.564968	67.3316176
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559	58	-3261.141327	830017.3170250766	-19.54421215151515	-100.808825	343706.976665376	4335470.15013478	2089.059538719874	2905.195387143675	2815.120773	2814.486041407936	80.07481392254595	80.70934320420699
560	58	-2740.141327	830017.3170250766	-19.5442158023682	-100.8064985	343907.4913730055	4335467.172844447	2087.835240378247	2904.151778957409	2810.83040663515	2810.295672006403	83.2853183189366	83.820106960052
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562	58	-2141.13269	830017.3170250766	-19.5442172686629	-100.8018454	344309.4987120841	4335459.186178749	2085.3439081499537	2901.964486634166	2811.9413359502495	2811.7759743002466	90.02291271	90.18827436316997
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565	58	-1245.19988567303514	830017.3170250766	-19.544217	-100.7948569	344912.6141930501	4335447.23478047	2085.710994771525	2908.7764517062827	2812.015585517177	2813.2899227040113	86.78608618905174	85.4865289661714
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576	58	-1475.8586730351	830017.3170250766	-19.544180825693	-100.7692742	347142.0300714094	4335403.78904199	2068.129045429688	2887.5026907741	2802.626530413089	2801.25136628119	84.8936365435178	87.36713244382182
577	58	-1275.8586730351	830017.3170250766	-19.544175428914	-100.767373	347349.5862746204	4335400.545414	2067.49494348694	2886.49494348694	2801.49494348694	2801.49494348694	84.8936365435178	87.36713244382182
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579	58	-925.8586730351	830017.3170250766	-19.5441605778804	-100.7622496	347727.140357522	4335391.324272698	2065.9535737	2884.5821665044286	2784.57331363074	2783.078517403396	99.9498334	101.44502654317
580	58	-8760.11988586730351	830017.3170250766	-19.5441531775649	-100.7599881	347928.176232007	4335387.437	2061.50519583654	2883.529388991424	2774.750942745731	2773.711043270097	110.368246440875	110.368246440875
581	58	-8276.118588586730351	830017.3170250766	-19.									

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRLEvLogsKrg.	BRLEvBotKrg.	SatHtLogsKrg.	SatHtBotKrg.		
651	58	42841	64658.8586730335	830017.3170250766	39.15420613761009	-00.57192506	36421.6575	4335065.215	2789.336192331104	2746.8991460258455	271.858336570417	2712.718026273801	32.04008948242836	34.181171979244455
662	58	42842	6513.8586730335	830017.3170250766	39.15420172170535	-00.56949141	364412.6825619358	43350561.24494369	2788.362543620156	2745.599587	2706.372679935078	2707.995826277909	39.2726573739159	37.041084883409
663	58	42843	6693.8586730335	830017.3170250766	39.15419742863378	-00.566876	364313.7074447725	4335057.23492408	2788.726219423947	2744.3184742863947	2698.935871354638	2702.620532048445	47.39037819343366	41.713534398326
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665	58	42845	67298.8586730335	830017.3170250766	39.15418816836777	-00.5622146	365015.7568177625	4335049.32605302	2792.323090180389	2741.7796301980397	2677.854362196716	2694.33145004305	63.92527396706318	47.440485197334276
666	58	42846	67958.8586730335	830017.3170250766	39.1541863371419	-00.5598881	365216.713832664	4335045.36302	2794.082314361399	2740.5240350100307	2669.8211349425205	2694.576407243991	70.7022007	45.947627766306
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669	58	42849	6993.8586730335	830017.3170250766	39.1541694013027	-00.5529086	365819.85398974147	4335034.52498094	2781.7115481	2736.767501444748	2658.9182810986227	2701.844525986684	76.96920254512636	34.84257658480472
670	58	42850	7059.8586730335	830017.3170250766	39.15416465672797	-00.5505821	366020.877691378	4335029.48209187	2765.770414249242	2735.546075618885	2661.8467303340963	2698.429660327893	73.89930372779918	37.11534721889369
671	58	42851	71258.8586730335	830017.3170250766	39.1541596863849	-00.5482556	366221.9018010031	4335025.51347748	2739.35860221472	2734.30349047374	2664.4627126483792	2694.40086898921	78.6940514	39.9024043458282
672	58	42852	7191.8586730335	830017.3170250766	39.15415499211189	-00.5459291	366242.9252514104	4335021.54226035	2754.861248749583	2733.05720248085	2667.288901	2690.864290520304	65.76800899624252	50.3461511878629
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674	58	42854	73238.8586730335	830017.3170250766	39.15414510874475	-00.5412761	366824.92756738435	4335013.60623704	2745.802595203916	2730.529252586672	2669.888073	2688.2068013708413	66.9487955422755	50.3461511878629
675	58	42855	73898.8586730335	830017.3170250766	39.15414009956773	-00.5389496	367025.9959821708	4335009.63701745	2745.493091663912	2729.25200836622	2668.3011685644765	2674.593672718933	69.59938992214532	54.7953635
676	58	42856	74558.8586730335	830017.3170250766	39.154135045631605	-00.5366231	367227.01917844784	4335005.668938654	2748.918276604237	2728.024115555758	2670.4734406861747	2672.009546263567	71.550074889101328	50.014869200928
677	58	42857	75218.8586730335	830017.3170250766	39.15412994669636	-00.5342966	367428.4022442036	4335001.70075719	2752.243364154895	2726.7496414195836	2677.9519411054475	2678.104690373148	78.79770004136038	48.64495018189464
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679	58	42859	76538.8586730335	830017.3170250766	39.154119613833645	-00.5296436	367830.08799827157	4334973.76428293	2756.552261265048	2724.177083388906	2688.30954036743	2688.64168489196	38.6754302216628	35.35363899790767
680	58	42860	77198.8586730335	830017.3170250766	39.15411438016011	-00.5273171	368031.11068259	4334969.796	2756.5524306963140	2722.875317748334	2688.1841072597713	2688.5497824533045	34.68452211502611	32.4326932
681	58	42861	77858.8586730335	830017.3170250766	39.154109101476021	-00.5249806	368232.1323395936	4334985.82705933	2754.83352296716	2721.5704365808905	2688.595195284715	2688.300680719912	36.01420129625411	35.26962786105718
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684	58	42864	79838.8586730335	830017.3170250766	39.15409259565734	-00.5180111	368835.201468884	4334973.92630872	2745.2268733900673	2717.593005440482	2672.942094727984	2675.302214541495	42.66879601268374	42.1967369
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686	58	42866	81158.8586730335	830017.3170250766	39.15408203841355	-00.5135851	369237.2411822343	4334965.992774978	2740.896811	2714.901049384018	2670.25467475288	2670.280109	44.0585187278999	44.620393988517875
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688	58	42868	82478.8586730335	830017.3170250766	39.1540709223898	-00.5087051	369639.2854851925	4334958.05967036	2744.8736237093937	2712.1818146633584	2673.8848970687312	2674.2507487169384	38.296843876226376	37.9310374660198
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690	58	42870	83798.8586730335	830017.3170250766	39.154050407961	-00.5040922	370041.3304711134	4334950.7321779127	2749.62637630321	2709.4132077003376	2675.798457403339	2674.510367581238	32.9503473523903	32.9503473523903
691	58	42871	84458.8586730335	830017.3170250766	39.15405384280808	-00.5017258	370242.3518005321	4334946.16146298	2747.8187822940125	2708.0644842931932	2672.1587078094223	2672.9883971466392	30.90477648	35.07680714665412
692	58	42872	85118.8586730335	830017.3170250766	39.15404806979054	-00.4993992	370443.3730083577	4334942.19536672	2755.675472747325	2706.863785561534	2665.69755372491	2671.899278057814	41.60502178116264	40.98704100341229
693	58	42873	85778.8586730335	830017.3170250766	39.15404225183605	-00.4970727	370644.39405144553	4334938.23	2757.271322014524	2705.290964717663	2656.269964384973	2656.63895483069	40.03610030268995	48.66320125786024
694	58	42874	86438.8586730335	830017.3170250766	39.1540363894466	-00.4947462	370854.04146965276	4334934.264233458	2758.7607510571524	2703.9116558707	2648.220984685668	2648.2883492779483	55.5948762238466	55.5948762238466
695	58	42875	87098.8586730335	830017.3170250766	39.154030481116315	-00.4924719	371046.4536268456	4334930.28839848	2758.2034897191953	2702.9218601700587	2641.99642893362	2641.99642893362	50.525431231730636	50.525431231730636
696	58	42876	87758.8586730335	830017.3170250766	39.15402542835212	-00.4902912	371247.4543202227	4334926.333818243	2755.27178958424	2701.130206784245	2643.73425216174	2643.73425216174	36.32117346710194	36.32117346710194
697	58	42877	88418.8586730335	830017.3170250766	39.15401853	-00.4877667	371448.4789678483	4334922.36888596	2752.340077015717	2699.73538019338	2638.2587667392	2638.2587667392	64.478209471107	64.478209471107
698	58	42878	89078.8586730335	830017.3170250766	39.15401248800999	-00.4854402	371649.4937935734	4334918.04049029	2749.403624018986	2694.340968713426	2634.016679706376	2633.88984	64.3274711646662	64.3274711646662
699	58	42879	89738.8586730335	830017.3170250766	39.154006400434135	-00.4831137	371850.5176945655	4334914.43948225	2746.75020263175	2696.9504801372277	2633.4907547950484	2633.4907547950484	63.644082782252754	63.644082782252754
700	58	42880	90398.8586730335	830017.3170250766	39.15400026782141	-00.4807872	372051.5376860145	4334910.475051473	2741.365800854516	2695.55713260785	2633.505918	2633.505918	62.0512145688487	62.0512145688487
701	58	42881	91058.8586730335	830017.3170250766	39.15399404907185	-00.4784607	372252.5579180659	4334906.10789696	2746.16451789477	2693.343052534224	2632.88279	2632.88279	61.0423992475438	61.0423992475438
702	58	42882	9171.8586730335	830017.3170250766	39.153987680584	-00.4761342	372453.5778447474	4334902.54669974	2732.59611688546	2692.728830374	2632.98105402366	2632.68900747814	59.9187763170554	60.083824586073
703	58	42883	92378.8586730335	830017.3170250766	39.1539805819219	-00.4738912	372649.6801215681	4334978.333818243	2734.829301372084	2703.63458732714	2635.63458732714	2635.63458732714	57.9387328329185	57.9387328329185
704	58	42884	93038.8586730335	830017.3170250766	39.15397528502195	-00.4714812	372855.61732973804	4334970.91035822	2730.97023000666	2699.94730373106	2632.915170082464	2632.91517008		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.ft	BR ElevBothK.ft	SanthElev.ft	SanthBoth.ft
47	59	42967	-340581.1413	830677.3170250766	39.15025133660626	-101.999964	240753.6861336401	3437377.525	3901.945126777668	3977.0584298126375	3772.0536718852793	3788.9793448374053	35.5375/927235819	18.69094875232236
48	59	42968	-339921.1413	830677.3170250766	39.15072450252895	-101.976402	240954.8301535364	3377.33.446380189	3896.922208612564	3806.478003261474	3768.5033812818906	37.53449149439315	19.72171139732973	0
49	59	42969	-339261.1413	830677.3170250766	39.15039762257187	-101.98314	241153.938696576	3377.29.36745705	3897.90119024157897	3805.38941312208	3768.682131703526	37.534354084728	20.90586222473335	0
50	59	42970	-338601.1413	830677.3170250766	39.15032069816347	-101.992978	241357.1173689393	3377.28970452	3895.880371982566	3804.9211051143353	3765.1469403271217	3780.369486919087	38.99911084123604	23.72758050426547
51	59	42971	-337941.1413	830677.3170250766	39.150343728827366	-101.990616	241568.2606008569	3377.21.1725428	3896.6743005402826	3802.9443397309232	3764.065300816999	37.5110389145883	39.9923585803435	25.88359648280423
52	59	42972	-337281.1413	830677.3170250766	39.15033671456334	-101.9883354	241759.4037652542	3377.17.1392617	3900.2836593134875	3801.8451329170253	3762.847912095499	37.73996329248453	38.8972208170638	27.84803668752225
53	59	42973	-336621.1413	830677.3170250766	39.15038966	-101.988092	241960.54629614786	3377.13.05628019	3903.892265921403	3800.69206544879	3762.140164953325	37.71699055755323	38.85243959155405	28.99359879565017
54	59	42974	-335961.1413	830677.3170250766	39.15041251252885	-101.983683	242161.6887599309	3377.08.9791622	3907.5019879312467	3799.53218564617	3761.745978999363	37.67302978091536	37.7820395627932	31.63291075462035
55	59	42975	-335301.1413	830677.3170250766	39.15045620250595	-101.981368	242362.33689680447	3377.04.1824248	3910.768918435151	3796.104768365246	3761.704768967713	37.66649746622488	38.51558426852658	0
56	59	42976	-334641.1413	830677.3170250766	39.1504582023065	-101.979038	242563.9782075983	3377.00.8247002	3916.693318172699	3797.18992102815	3762.5502213993176	37.56178957305076	34.64507373036384	41.02302437930496
57	59	42977	-333881.1413	830677.3170250766	39.15048096932779	-101.976704	242765.114618299	3376.96.7425063	3916.6178622241	3796.01356811016	3763.01144265491	37.50368650360584	30.00491416	45.37769174795767
58	59	42978	-333221.1413	830677.3170250766	39.15050369	-101.9743781	242966.25600777205	3376.962761	3919.5423151567828	3794.62099244555	3763.33013333985	37.4663031	31.49035759047067	48.411780217053575
59	59	42979	-332661.1413	830677.3170250766	39.15052636738226	-101.9720519	243167.3972484307	3376.9685904768	3920.51149887885	3793.690340491384	3762.2713161544507	37.46742901361543	45.96672808759547	0
60	59	42980	-332001.1413	830677.3170250766	39.15054898305144	-101.9697257	243368.53818149	3376.96417564179	3918.525280048323	3792.38228004873	3757.9020065430347	37.4949820160717097	37.44027350547227	42.4002640176795
61	59	42981	-331341.1413	830677.3170250766	39.15057156443666	-101.9673995	243569.67886013578	3376.960441810826	3918.53924939051	3791.1368158905498	3750.0675463639586	37.47595975190848	41.06926952699114	43.177240699704128
62	59	42982	-330681.1413	830677.3170250766	39.15059410089361	-101.965073	243770.819284589	3376.9636539028	3917.5531020676405	3789.8710767404683	3741.8874915514702	37.44334913167345	47.9844852	45.53703573603455
63	59	42983	-330021.1413	830677.3170250766	39.15061659	-101.9627471	243971.9545540337	3376.972894771	3914.409203018884	3788.58703342901	3738.4963967301195	37.42041898931245	53.0973436988162	46.54513437766762
64	59	42984	-329361.1413	830677.3170250766	39.1506309302318	-101.9604209	244173.0993717066	3376.9721772452	3908.17859748854	3781.25189748854	3731.185558960657	37.39217550000000	60.06000778197216	47.55637209266334
65	59	42985	-328701.1413	830677.3170250766	39.15066144069585	-101.9580946	244374.23903478967	3376.97641284466	3903.8058671645244	3785.955893274446	3728.0642256013716	37.35426014707991	56.88913726073045	50.5295734445008
66	59	42986	-328041.1413	830677.3170250766	39.150687347939654	-101.9557884	244575.374444491	3376.9662094404	3898.50419923753	3783.693134662714	3727.874727268508	37.32821402107911	58.6913671822962	52.80457334
67	59	42987	-327381.1413	830677.3170250766	39.15070611	-101.9534422	244776.51701260104	3376.96987712056	3898.63258904876	3783.24312064304	3727.397973300579	37.30142329733455	53.0109133099875	0
68	59	42988	-326721.1413	830677.3170250766	39.15072838	-101.951116	244977.6550545796	3376.9751931	3880.88032134688	3781.58886311198	3727.217093967368	37.28227093967368	54.04893122911115	54.63179232612104
69	59	42989	-326061.1413	830677.3170250766	39.15075108910232	-101.948476	245183.673790568	3376.97233393	3886.853811458233	3771.864296324514	3718.389140113986	37.24496125842916	51.867181402189	58.3047812164454
70	59	42990	-325401.1413	830677.3170250766	39.1507727513296	-101.946435	245379.93353631398	3376.973623654	3880.9225646122	3779.03058978462	3728.06192579314	37.2345171341891	49.9693630015218	55.6222364045354
71	59	42991	-324741.1413	830677.3170250766	39.15079490723514	-101.9441373	245581.071699482	3376.9687968708	3856.686175522343	3777.604042738027	3728.131616720107	37.21103062406027	48.949026	56.500977112788
72	59	42992	-324081.1413	830677.3170250766	39.1508169440077	-101.9418111	245782.2095322326	3376.97354105046	3858.193629045973	3776.152095814124	3728.2870116274585	37.185050057550905	47.8659478666571	57.6479057903276
73	59	42993	-323421.1413	830677.3170250766	39.15083903663835	-101.9394848	245983.34723502293	3376.97315400061	3859.170329	3774.68319825604	3726.091989241964	37.16511991068319	59.07152875728476	59.07152875728476
74	59	42994	-322761.1413	830677.3170250766	39.15086103398123	-101.9371586	246184.18447	3376.9724664323	3861.206534231933	3773.197027426994	3723.441670520096	37.153234190379474	59.753499	59.673084002604
75	59	42995	-322101.1413	830677.3170250766	39.15088356989905	-101.9348524	246385.658637536	3376.97233393	3868.253811458233	3771.864296324514	3718.389140113986	37.24496125842916	51.867181402189	58.3047812164454
76	59	42996	-321441.1413	830677.3170250766	39.15090485928105	-101.9325051	246598.7575074	3376.971913128077	3873.6382968319	3770.177853039354	3717.710850738354	37.15205383925612	54.6547581455925	56.97272440740566
77	59	42997	-320781.1413	830677.3170250766	39.15092675635845	-101.9301799	246787.858368287	3376.97516246	3881.41996246703	3768.64743	3710.0136214008958	37.148417545600933	58.6383115236482	53.8067628
78	59	42998	-320121.1413	830677.3170250766	39.1509485739602	-101.9278356	246989.0318	3376.97112500027	3889.203046276885	3767.104195159176	3705.6228019188225	37.153645180371773	61.6452003435555	57.761771199874
79	59	42999	-319461.1413	830677.3170250766	39.15097034663276	-101.9255274	247190.1679064055	3376.9709451563	3892.596744246027	3765.548031212886	3701.9404025806575	37.133576034168153	63.6057173163106	52.010468953473
80	59	43000	-318801.1413	830677.3170250766	39.15099207437668	-101.9232012	247391.3037033313	3376.970680125	3893.481119191025	3763.99903255034	3699.41532863105	37.08492767580213	64.56230484282056	55.0522264842056
81	59	43001	-318141.1413	830677.3170250766	39.15101375719189	-101.9208749	247592.94324395187	3376.975953885712	3890.45043777788	3762.401315713714	3697.85958	37.04490343842986	64.7485469724434	57.90827128
82	59	43002	-317481.1413	830677.3170250766	39.15103350397775	-101.918487	247793.574807472	3376.9754136215	3893.822929	3761.814289319517	3696.9449772404	37.04490343842986	64.7485469724434	57.90827128
83	59	43003	-316821.1413	830677.3170250766	39.15105688045824	-101.9162224	247944.70994110045	3376.97809027923	3885.257275	3759.287180866515	3696.880173251039	37.017456759312	65.8254497239328	58.8932504279038
84	59	43004	-316161.1413	830677.3170250766	39.15107853066289	-101.9138962	248195.8442503947	3376.9758636458	3887.187814359625	3757.590656416511	3697.2121337	36.966183199812735	67.391239564118	59.4672604532768
85	59	43005	-315501.1413	830677.3170250766	39.151100039161896	-101.9115699	248396.9759494348	3376.9766848149	3886.11835390552	3755.9380955352	3697.643725042023	36.986818379748207	68.3093690131887	59.147249805217
86	59	43006	-314841.1413	830677.3170250766	39.151121497331765	-101.9092437	248598.113844670	3376.97583903748	3885.048892437871	3754.2866923871	3698.302683294488	36.984865485194208	55.9858054429314	59.421840445778
87	59	43007	-314181.1413	830677.3170250766	39.15114970572581	-101.9069174	248798.27490787223	3376.975421346225	3887.53545601489227	3752.853897352525	3698.926722160143	36.95495944693825	60.03364288395993	59.03364288395993
88	59	43008	-313521.1413	830677.3170250766	39.15116427880408	-101.9048192	249001.391968087	3376.97049890878	3882.0121945306677	3750.809540778277	3699.8347274860374	36.97194934867772	59.975362500732	53.6145270705044
89	59	43009	-312861.1413	830677.3170250766	39.1511894396768	-101.902671	249203.5897912496	3376.975701921496	3880.95019278904	3750.78957878904	3698.95019278904	36.975783132348	57.5783132348	57.5783132348
90	59	43010	-312201.1413	830677.3170250766	39.15120688071949	-101.8999387	249402.4686968825	3376.9730700886	3876.388512105453	3746.805137052753	37.014600045076037	37.017440575931	64.7103061149523	44.6870907080838
91	59	43011	-311541.1413	830677.3170250766	39.1512281244327	-101.8976124	249603.7826673324	3376.97562673324	3876.621015682546	3744.475687040854	3701.9517807705526	37.0212012194674	42.5390723	40.08467472887398
92	59	43012	-310881.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRLEvgsKgr.ft	BRLEvBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
173	59	43093	-25742.1413	83067.3170250766	39.15281636513743	-01.7068551	266695.8745943874	433725.022378674	3701.746128482003	3534.000713370935	3561.315455134453	3671.199312964519	0	0
174	59	43094	-25674.1413	83067.3170250766	39.152833689397476	-01.7045287	266296.96456745974	433720.96117252	3698.977438107079	3531.270284	3556.540315818057	3609.543668444134	0	0
175	59	43095	-25610.1413	83067.3170250766	39.152851329725156	-01.7028204	266498.1096897846	433716.9310321198	3628.633184933484	3528.0099138077334	3505.295774	3605.295774	0	0
176	59	43096	-25544.1413	83067.3170250766	39.15286874312041	-01.6989875	266699.21365524083	433732.1854123507	3604.11202311757659	3525.78090996152	3547.5240341295043	3600.07802651836	0	0
177	59	43097	-25478.1413	83067.3170250766	39.15288611258324	-01.6975496	266900.3261244866	433728.79839172	3691.8063099132683	3523.038511211227	3543.251243880888	3593.5940912662	0	0
178	59	43098	-25412.1413	83067.3170250766	39.152893673311361	-01.6952233	267101.4385426471	4337204.1428331855	3689.4915967170311	3520.820241735711	3538.9143927073787	3585.36958984184	0	0
179	59	43099	-25346.1413	83067.3170250766	39.152920716711456	-01.6928989	267302.5506408255	4337200.687	3685.840290045755	3517.5169600232854	3534.782344627513	3575.949725564875	0	0
180	59	43100	-25280.1413	83067.3170250766	39.15293751376785	-01.6905705	267903.6525089323	433721.6632252228	3680.8523267946825	3514.7519840093514	3530.6287765178363	3568.770895365045	0	0
181	59	43101	-25214.1413	83067.3170250766	39.152955141110562	-01.6885242	268704.77417435104	4337182.57225242	3675.8643645847905	3511.5791463851965	3526.6076515556604	3563.732897545203	0	0
182	59	43102	-25148.1413	83067.3170250766	39.152972269068	-01.6860178	267905.8857	433707.8542257476	3670.8764423748978	3509.20132084155	3522.8550054454104	3559.869368	0	0
183	59	43103	-25082.1413	83067.3170250766	39.15298938577721	-01.6838914	268106.9695346257	4337184.467700225	3664.55630820933	3506.491036210038	3518.925309746824	3556.890256884734	0	0
184	59	43104	-25016.1413	83067.3170250766	39.15300640712076	-01.6812651	268308.1078562637	4337180.143201279	3656.9319477063764	3503.6431781533442	3515.024636483305	3551.2231320276007	0	0
185	59	43105	-24950.1413	83067.3170250766	39.153023450714244	-01.6789387	268509.2814	433717.36259	3649.29825	3500.847171	3511.1379362656953	3546.264106581213	0	0
186	59	43106	-24884.1413	83067.3170250766	39.15304041578368	-01.6766123	268710.328899197	4337172.304734973	3641.66452954944	3498.0581743643656	3507.2506819543123	3535.170513440025	0	0
187	59	43107	-24818.1413	83067.3170250766	39.15305325592036	-01.674286	268911.4939160036	4337168.250765801	3632.110245174482	3496.267405243489	3503.09993287893	3528.5596056062	0	0
188	59	43108	-24752.1413	83067.3170250766	39.15307421112423	-01.6719596	269112.549198408	4337164.196972905	3620.63525189875	3492.47505942967	3499.150771389174	3520.497281946716	0	0
189	59	43109	-24686.1413	83067.3170250766	39.15309104139531	-01.6696332	269313.6590057103	4337160.143362796	3609.16025804808	3489.68397	3495.1703730898385	3515.796123036296	0	0
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191	59	43111	-24554.1413	83067.3170250766	39.153124567138825	-01.6648085	269715.877363604	4337162.036651807	3586.5595561652925	3484.0994246563397	3487.1507431006003	3502.463326924195	0	0
192	59	43112	-24488.1413	83067.3170250766	39.153141326261125	-01.6626251	269918.7606705516	4337147.938633049	3575.891136431364	3481.3077692977486	3482.80780013625	3495.784282162491	0	0
193	59	43113	-24422.1413	83067.3170250766	39.153157913150686	-01.6603277	270118.09959719294	4337143.930652331	3565.1867147214307	3478.515895049437	3478.6989202505056	3489.293459151469	0	0
194	59	43114	-24356.1413	83067.3170250766	39.153175187571514	-01.6580813	270319.206246892	4337139.57916844	3548.22529594949	3475.740925050936	3474.673092592127	3485.70020626321	1.2266960271908784	0
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196	59	43116	-24224.1413	83067.3170250766	39.15320755171025	-01.6533486	270721.421285091	4337131.77274848	3530.900744022204	3470.14113024638	3466.296963204574	3472.224045155235	3.84714873003383	0
197	59	43117	-24158.1413	83067.3170250766	39.1532240597838	-01.6510222	270922.5292743619	4337127.72076128	3525.83147437146776	3467.357922876846	3462.069013977446	3467.03768268566	5.288674890140101	0.3119994012228037
198	59	43118	-24092.1413	83067.3170250766	39.15324049185263	-01.6486958	271123.630733288	4337123.66873705	3520.9286034135	3464.57242240598	3456.866328291718	3461.506214506097	5.07895948879923	3.0680907345011745
199	59	43119	-24026.1413	83067.3170250766	39.15325687279373	-01.6463984	271324.7445471778	4337119.16639428	3522.3854619024696	3461.763719059982	3454.452663836336	3459.05219604689	5.44408273366413	0
200	59	43120	-23960.1413	83067.3170250766	39.15327320801664	-01.644043	271525.8518851074	4337115.56505152	3512.785304396678	3459.01704130977	3449.89550076439	3451.5088171401847	8.11240995937743	7.508232634
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202	59	43122	-23828.1413	83067.3170250766	39.1533092	-01.6393902	271928.0590301576	4337107.462741515	3493.584989550593	3453.475491059685	3443.349162108004	3443.349162108004	12.1260744889043	0
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204	59	43124	-23696.1413	83067.3170250766	39.15334731059114	-01.6347375	272320.3797375077	4337099.36025378	3483.302249	3447.948064762276	3429.390943263597	3429.390943263597	15.85571237591615	17.59937387162472
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206	59	43126	-23564.1413	83067.3170250766	39.15337028125965	-01.6300487	272732.4911719216	4337091.25883391	3474.4250021931366	3441.414883726308	3419.99487176163	3419.99487176163	22.430184668277	22.430184668277
207	59	43127	-23498.1413	83067.3170250766	39.15338630273386	-01.6277583	272933.596831854	4337087.20888995	3473.83562584664	3439.664757010413	3415.769798762994	3416.144847627525	23.894655823416	23.519628073515833
208	59	43128	-23432.1413	83067.3170250766	39.15340271421	-01.625419	273134.702841613	4337083.911573024	3472.1791981057	3438.24672766895	3412.762852134026	3412.762852134026	24.74746422565997	24.74746422565997
209	59	43129	-23366.1413	83067.3170250766	39.15341821083366	-01.6231055	273358.80765108136	4337079.108027356	3472.5202137674573	3434.147981161015	3409.85190284232	3409.85190284232	24.2909527	24.2909527
210	59	43130	-23300.1413	83067.3170250766	39.15343049755791	-01.6207791	273536.91274112873	4337075.058110734	3471.862507275893	3431.3925889607967	3406.434108561543	3406.385148795253	24.95827810462423	25.02474081271965
211	59	43131	-23234.1413	83067.3170250766	39.1534499329896	-01.6184527	273738.1075531547	4337071.00832706	3468.8401204834	3428.63766092436	3401.619926725336	3401.619926725336	27.274859174672066	27.274859174672066
212	59	43132	-23168.1413	83067.3170250766	39.15346573610649	-01.6161263	273939.1221694294	4337066.958045824	3465.37052035709	3425.88467364613	3403.626037	3392.247617961725	32.264570661471225	33.63698758770215
213	59	43133	-23102.1413	83067.3170250766	39.15348148798042	-01.6137999	274140.226	4337062.990547513	3463.30997384742	3423.130097276163	3400.408523419555	3400.408523419555	34.026730371888334	34.026730371888334
214	59	43134	-23036.1413	83067.3170250766	39.15349719450728	-01.6114735	274341.33073174824	4337058.86025955	3457.158915	3420.37627760074	3398.425247	3388.42687679002	35.0512869537402	31.949640930730867
215	59	43135	-22970.1413	83067.3170250766	39.15351368097638	-01.6091827	274546.3584026836	4337054.946947876	3454.9191132667767	3418.4349112667767	3396.4349112667767	3396.4349112667767	36.6690321048135	36.6690321048135
216	59	43136	-22904.1413	83067.3170250766	39.153528474000545	-01.6068027	274744.5304268936	4337050.762309101	3454.75026837847	3414.874282	3396.692345	3396.692345	38.11964791013088	38.11964791013088
217	59	43137	-22838.1413	83067.3170250766	39.15354406414008	-01.6044943	274944.6419044427	4337046.713625111	3452.50821411883	3412.1251825969075	3396.796332093273	3396.7963321188029	35.328849387580249	33.64197071661467
218	59	43138	-22772.1413	83067.3170250766	39.15355957334578	-01.6021679	275145.745183948	4337042.565117179	3447.469221400041	3409.376889800915	3397.286027	3398.106713395927	36.0087123881486	36.0087123881486
219	59	43139	-22706.1413	83067.3170250766	39.1535705561774	-01.5998415	275346.842413613	4337038.617	3443.34399685123	3406.629379064272	3397.714726542144	3397.714726542144	37.92915981585282	37.92915981585282
220	59	43140	-22640.1413	83067.3170250766	39.1535904295595	-01.5975151	275547.95107701							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	SatThKgr.f	SatThBoth.f
29	59	4319	-174261.1413	830677.3170250766	39.154686049639916	-101.41373261	291434.85193825642	4336715.319994125	3364.851193114328	332.30717953939219	3322.3049243407127	3322.7909545166494	313.530298950655	0
300	59	4320	-173601.1413	830677.3170250766	39.15467989219687	-101.41139629	291635.4775765522	433671.26	3336.3813691209607	332.3072130610488	3330.592725067544	3204.9101933450845	76.391375419419	2.4090327265113512
301	59	4321	-172941.1413	830677.3170250766	39.15469169890355	-101.4080721	291836.76692820176	433670.77	3331.911545132628	332.307162534174	3328.469714984466	3312.608994534637	74.563715697679	34.50822768070171
302	59	4322	-172281.1413	830677.3170250766	39.1547034428156	-101.4067466	292037.68484718297	433670.31	3325.44171232435	332.3062962132233	3325.8401751000406	3319.787162467666	81.14211681650375	67.2532362947178
303	59	4323	-171621.1413	830677.3170250766	39.154715511	-101.4044202	292238.7336106347	433669.15	3347.079705861772	332.30686627289115	3322.888239510134	3318.4723370834513	84.00868778	88.42409420347616
304	59	4324	-170961.1413	830677.3170250766	39.15472681302968	-101.4020937	292439.818644533	433669.18	3365.825493102323	332.3064537023836	3320.577225263735	3310.2953147	86.26814973746514	85.89222713373885
305	59	4325	-170301.1413	830677.3170250766	39.154735011	-101.3997672	292640.9032746231	433669.18	3366.571292758933	332.30618970985876	3320.681545897346	3317.765974686152	86.1363451985303	89.0523464108576
306	59	4326	-169641.1413	830677.3170250766	39.15475000383446	-101.3974407	292841.987002003	433668.7	3371.3708620710061	332.3067024232752	3312.74188728502	3317.1583708615987	85.0650364	49.64532337115623
307	59	4327	-168981.1413	830677.3170250766	39.154761511	-101.3951142	293043.0721717953	433670.31	3376.3044398412628	332.3065807780424	3322.862494887262	3317.5328945829636	82.564309692516	33.2546885175977
308	59	4328	-168321.1413	830677.3170250766	39.154773014895106	-101.3927878	293244.1562258467	433669.70	3365.793333652109	332.3068197344884	3324.052614238999	3317.753931278655	82.7641894615	32.012890458229138
309	59	4329	-167661.1413	830677.3170250766	39.15478445302139	-101.3904613	293445.2045137858	433667.94	3366.722874825916	332.3068297499285	3325.1963239813727	3317.9350833893676	81.633261143062	32.8705514029088
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311	59	4331	-166341.1413	830677.3170250766	39.1548071446583	-101.3858083	293847.4073722411	433669.34	3365.903481052387	332.30666251814744	3328.1923913544583	3317.2997057683174	80.7368046024659	55.566546042699
312	59	4332	-165681.1413	830677.3170250766	39.154818497783914	-101.3834818	294048.49067690416	433666.89	3354.491667312984	332.30688411357487	3330.0840939873556	3316.9404807642424	76.581073013821	44.94636259324443
313	59	4333	-165021.1413	830677.3170250766	39.15482976165896	-101.3811553	294249.3817977692	433668.58	3359.78398	332.30650519861523	3331.378146448729	3326.985867042901	75.52705217	52.0163517
314	59	4334	-164361.1413	830677.3170250766	39.15484096961177	-101.3782829	294450.6568781275	433664.82	3348.69033808873	332.306539085573	3333.66175013141613	3318.5654200892956	73.253340493331	58.35546513262067
315	59	4335	-163701.1413	830677.3170250766	39.154852138121456	-101.3758024	294651.73937580806	433666.75	3348.446095652146	332.306818497414874	3335.7535915127446	3310.4245473887275	71.7825822874238	66.5065378
316	59	4336	-163041.1413	830677.3170250766	39.15486326169499	-101.3741759	294852.8219698905	433664.76	3347.372899050524	332.306365134643523	3337.622023864699	3315.9663890132942	69.5145008165346	70.5701429350061
317	59	4337	-162381.1413	830677.3170250766	39.15487340332306	-101.3718494	295053.90416275803	433664.73	3348.296045675767	332.3066315672525	3330.046709339131	3328.424327299827	67.8867063313901	78.45016844526936
318	59	4338	-161721.1413	830677.3170250766	39.15488357403341	-101.3695229	295254.9862538176	433666.38	3346.210892800395	332.306921045471693	3339.61475980256	3337.647543822102	67.5312685664327	80.3712685664327
319	59	4339	-161061.1413	830677.3170250766	39.15489376279828	-101.3671964	295465.0881434204	433663.34	3349.367797221523	332.306879745989143	3340.3851885153377	3319.90374759761	65.812688944575	86.9941278801945
320	59	4340	-160401.1413	830677.3170250766	39.1549073066291	-101.3648899	295657.14983167616	433660.48	3351.748539860428	332.306862594006987	3338.7622705597523	3327.13453049187	67.0082340400637	79.72805885152047
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322	59	4342	-159081.1413	830677.3170250766	39.15492905475286	-101.3602169	296059.312049519	433662.58	3356.50602455277	332.30675042834157	3338.486490026381	3330.35034548052	70.2633980324655	56.1413733665372
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326	59	4346	-156441.1413	830677.3170250766	39.1549725596054	-101.3503911	296863.6357444718	433660.46	3371.5750451338	332.306338533958	3336.321150122343	3337.36739604256	71.01462307116071	88.9684364313883
327	59	4347	-155781.1413	830677.3170250766	39.15498265521028	-101.3484864	297064.716269399	433661.58	3375.93898	332.30619035498926	3337.554480225934	3336.11614370593451	70.8114370593451	90.4648594638992
328	59	4348	-155121.1413	830677.3170250766	39.154992344015	-101.346258	297276.171338987	433662.42	3378.9584217122393	332.3065271615673	3341.43232694651	3340.261186	75.074058144285	85.074058144285
329	59	4349	-154461.1413	830677.3170250766	39.155003789448	-101.3439315	297466.8759994053	433663.37	3383.665383777092	332.30584941727519	3342.750688576035	3346.754068914961	65.604211689625576	39.23704783503415
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333	59	4353	-151821.1413	830677.3170250766	39.15504587195345	-101.3346259	298271.1936501779	433657.29	3398.11668458462	332.3052384897441	3354.522107207851	3342.566931454336	60.4610788185994	0
334	59	4354	-151161.1413	830677.3170250766	39.15505697467149	-101.332299	298472.2725111938	433657.21	3402.842690375717	332.3051948100082	3356.39897632901	3342.70004783614	63.345819217514	0
335	59	4355	-150501.1413	830677.3170250766	39.155066071696496	-101.3299725	298678.399733512	433657.03	3405.00320104227	332.30507190717087	3358.000421893585	3342.7211345416386	60.4701385448171	0
336	59	4356	-149841.1413	830677.3170250766	39.15507629654222	-101.327646	298874.429726349	433656.17	3401.484112699447	332.304946071393	3359.33956804916	3342.011358910365	64.55502792647662	0
337	59	4357	-149181.1413	830677.3170250766	39.1550867645136	-101.3253195	299075.5080254689	433656.17	3401.30463768293	332.3036095886083	3360.197987183194	3342.024876475387	63.40170870288915	0
338	59	4358	-148521.1413	830677.3170250766	39.15509661142387	-101.322993	299276.5861246516	433658.10	3401.714900567105	332.30365423919532	3364.796839056791	3342.1418301244908	38.80858486274065	0
339	59	4359	-147861.1413	830677.3170250766	39.15510670145974	-101.3206665	299477.6640263874	433654.09	3403.292975138273	332.30347979138273	3365.41389945654	3342.510305995992	38.80858486274065	0
340	59	4360	-147201.1413	830677.3170250766	39.15511674655898	-101.31834	299678.741730808	433650.65	3403.14137	332.30296901533422	3365.80546454552	3342.11859941	37.1033037887034	0
341	59	4361	-146541.1413	830677.3170250766	39.15512697672149	-101.31608	299879.816263573	433648.22	3404.8462197	332.30284347	3366.931788231072	3342.0893293906	38.80858486274065	0
342	59	4362	-145881.1413	830677.3170250766	39.1551370194738	-101.313867	300008.896548919	433647.02	3406.210197487	332.30289245199554	3368.39703476634	3342.02417887307	38.80858486274065	0
343	59	4363	-145221.1413	830677.3170250766	39.1551468223651	-101.3113605	300281.9736625939	433637.86	3407.31210606576	332.30184689115158	3366.530257775846	3342.0532261573083	38.80858486274065	0
344	59	4364	-144561.1413	830677.3170250766	39.15515647578894	-101.3090339	300483.050653345	433633.95	3408.5738718114	332.3015844506535	3366.472261092958	3342.012629701338	38.80858486274065	0
345	59	4365	-143901.1413	830677.3170250766	39.15516628004595	-101.3067074	300684.127							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
425	49	4335	-91101.14133	83067.7172025076	-10.15580634709816	-101.1205851	31678.6947592093	3432608.403029488	3198.003455	308.881787530176	3051.274212185125	453469314505069	42.34663192341962
426	59	4336	-90401.14133	83067.7172025076	-10.1558125115194896	-101.1182584	316970.7091004254	3432604.39097891	3196.6613957502527	3097.251140542234	3048.657617148401	453937393933034	40.72603239633420
427	59	4347	-89211.14133	83067.7172025076	-10.1558156250261616	-101.115892	31711.79486319	3432603.7291028753	3198.3201406887214	3095.901451	3048.307283258462	453953534812039	47.38422766518894
428	59	4348	-89121.14133	83067.7172025076	-10.155820474135106	-101.1163504	3171.9797118727365	3432604.36712528	3094.13837757621	3094.88817217302	3056.743861496758	47.25020647931933	37.30451627104154
429	59	4349	-88461.14133	83067.7172025076	-10.155830678702214	-101.1112789	317573.89252471045	3431692.356	3190.6392756517507	3092.591406300303	3045.459563150183	47.131849895827132	36.07520549726587
430	59	4350	-87801.14133	83067.7172025076	-10.15583677755206	-101.1089523	317774.93332287	343168.344521364	3198.2983493407667	3091.050298386905	3043.857562910119	47.12964602857132	33.4127844040021
431	59	4351	-87411.14133	83067.7172025076	-10.1558424355024	-101.1066258	317976.0139050314	343168.343343071	3187.6121352353657	3089.5146382179055	3042.1161820276807	47.398456190224806	34.65760083
432	59	4352	-86481.14133	83067.7172025076	-10.15584865440722	-101.1042992	318177.074784232	343162.432239302	3185.579163339407	3087.944521910304	3040.2351948537487	48.0425215782676	39.95923840383463
433	59	4353	-85821.14133	83067.7172025076	-10.1558545205261616	-101.1019727	318378.1346041354	343162.7311509753	3185.548161345885	3085.493484685737	3038.1039828857365	48.3378736518894	42.87639653476658
434	59	4354	-85161.14133	83067.7172025076	-10.15586034130704	-101.099641	318579.147182013	343172.301	3181.512135261285	3084.639472770644	3038.304523115403	48.0457129447556	44.88234282400205
435	59	4355	-84501.14133	83067.7172025076	-10.155866117348204	-101.0973196	318798.2546181937	343168.209374069	3187.53234580167	3083.42403467525	3034.9620417301204	48.04196809740406	46.03919636302804
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437	59	4357	-83181.14133	83067.7172025076	-10.15587573462116	-101.0926665	319178.273885607	343160.289393691	3175.674983087968	3080.408411644507	3033.427288829986	48.049108276150833	45.91131315420833
438	59	4358	-82521.14133	83067.7172025076	-10.15588317584965	-101.0903399	319383.43235340064	343156.259978474	3173.746283982096	3078.907161808028	3033.436661072246	47.4703757382025	45.7712715238885
439	59	4359	-81861.14133	83067.7172025076	-10.15588787214005	-101.0880134	319584.4924442966	343152.501959359	3171.4752384448	3071.407122364448	3031.493244	46.263851960756	45.9187687265496
440	59	4360	-81201.14133	83067.7172025076	-10.15589432340222	-101.0856869	319785.514585378	343149.0489603	3168.9614729037	3070.916980522508	3029.699053339653	47.01730893425454	46.10271257
441	59	4361	-80541.14133	83067.7172025076	-10.15589892906044	-101.083363	319868.0102958034	343144.213152201	3168.24836069705	3070.427287999098	3028.815001755493	45.88993036006016	45.61228644
442	59	4362	-79861.14133	83067.7172025076	-10.15590529138243	-101.0810337	319917.6689574047	343140.22199145	3163.635049071687	3070.340366821785	3028.469047864645	47.790779371401	44.39738939939209
443	59	4363	-79221.14133	83067.7172025076	-10.15591070782024	-101.0787072	320388.7244203813	343136.212086423	3162.138265285827	3071.4553000102987	3028.180676069627	47.62830762688953	43.2764239366717
444	59	4364	-78561.14133	83067.7172025076	-10.15591670951988	-101.0763806	320589.785170665	343132.239623052	3161.760782631144	3069.970575977894	3027.63171217139528	47.62830762688953	42.277519050823685
445	59	4365	-77901.14133	83067.7172025076	-10.15592140618133	-101.074054	320790.843836587	343128.19517961	3161.382551	3068.4831396428174	3027.070884479014	47.412255163148	41.38478674
446	59	4366	-77241.14133	83067.7172025076	-10.1559267904581	-101.0717275	320981.9018421112	343124.16955021	3161.004235318692	3066.88067408506	3026.5421727675	47.412255163148	40.418700817425544
447	59	4367	-76581.14133	83067.7172025076	-10.1559321468868	-101.0694156	321239.00629682	343120.17062647	3161.17890363294	3065.97478892828	3025.913424648322	47.412255163148	39.88958470769556
448	59	4368	-75921.14133	83067.7172025076	-10.15593711653556	-101.067074	321384.01723178476	343116.17	3161.124163107299	3063.94072495947	3025.703724430032	47.412255163148	38.126181480519
449	59	4369	-75261.14133	83067.7172025076	-10.15594234452226	-101.0647478	321595.0746641228	343112.161952725	3161.663558201066	3062.38874355539	3025.262540335235	47.412255163148	36.9724654822626
450	59	4370	-74601.14133	83067.7172025076	-10.1559473541562	-101.0624213	321796.131921735	343108.15408713	3160.29674525916	3060.02029505864	3023.029515809327	47.412255163148	37.678502052599
451	59	4371	-73941.14133	83067.7172025076	-10.1559524247804	-101.0600947	321987.1890042868	343104.16398165	3160.617619588167	3059.147319054694	3020.631065548338	47.412255163148	36.6186880237
452	59	4372	-73281.14133	83067.7172025076	-10.15595743454175	-101.0577682	322198.24591360067	343100.13887876	3162.8589179748	3057.41194700878	3018.303570698126	47.412255163148	35.10546978047659
453	59	4373	-72621.14133	83067.7172025076	-10.15596246262625	-101.055416	322399.302684625	343096.13335968	3163.17890363294	3055.97478892828	3025.913424648322	47.412255163148	34.88958470769556
454	59	4374	-71961.14133	83067.7172025076	-10.155967223914844	-101.053115	322600.1529091245	343092.12487423	3163.7156994772492	3053.61920772492	3023.1425304842935	47.412255163148	40.15336286796194
455	59	4375	-71301.14133	83067.7172025076	-10.15597220119396	-101.0507885	322801.4155960814	343088.117533113	3155.381474131506	3051.54091834173	3019.9408278671904	47.412255163148	40.0000904754059
456	59	4376	-70641.14133	83067.7172025076	-10.15597703353481	-101.0484619	323002.4718096208	343084.110535346	3154.048214603186	3049.3489040007876	3030.329653247727	47.412255163148	40.99236748038811
457	59	4377	-69981.14133	83067.7172025076	-10.155981820937335	-101.0461354	323203.5274888016	343080.10307181	3152.740558920327	3047.064296203627	3005.472481806126	47.412255163148	41.5964555422573
458	59	4378	-69321.14133	83067.7172025076	-10.15598636041584	-101.043808	323404.58371705703	343076.709743554	3151.4379955192054	3044.712595514556	3002.281996	47.412255163148	42.300934034363
459	59	4379	-68661.14133	83067.7172025076	-10.155991260929845	-101.0414222	323605.69531128116	343072.709138123	3148.950340400733	3042.318159	2998.7191348869742	47.412255163148	43.5407643282893
460	59	4380	-68001.14133	83067.7172025076	-10.15599591351742	-101.039157	323806.69683982	343068.05012891	3145.1463705918674	3039.201403393494	2998.17573407294	47.412255163148	44.580197989816
461	59	4381	-67341.14133	83067.7172025076	-10.155996005116671	-101.0368291	324007.7502801968	343064.01963125	3141.389241068653	3037.473277142007	2991.899253109457	47.412255163148	45.82328102702526
462	59	4382	-66681.14133	83067.7172025076	-10.155995003837762	-101.0345026	324208.8055887736	343060.07288998	3137.632111188967	3035.060775316078	2988.2884873051535	47.412255163148	46.772801145429
463	59	4383	-66021.14133	83067.7172025076	-10.15599609165019	-101.032176	324409.805663671	343056.06788315	3134.966433	3032.656791303785	2984.581467432887	47.412255163148	48.11564673371378
464	59	4384	-65361.14133	83067.7172025076	-10.15599719563148	-101.0298494	324610.915396046	343052.0621769	3133.39220756182	3030.27256064936	2981.4395935367637	47.412255163148	49.50100217
465	59	4385	-64701.14133	83067.7172025076	-10.15599850238026	-101.0275229	324811.9057078803	343048.057094455	3131.8179811615	3027.91221561057	2983.21975935094883	47.412255163148	50.016314071998295
466	59	4386	-64041.14133	83067.7172025076	-10.1559985833775	-101.0251963	325010.024547044	343044.054	3130.245734748002	3025.579674744801	2983.1268179159867	47.412255163148	50.674875680757
467	59	4387	-63381.14133	83067.7172025076	-10.1559985833775	-101.0229432	325215.130138151	343040.02927249	3128.734074026457	3021.002733755871	2981.71927462984	47.412255163148	51.15369826282
468	59	4388	-62721.14133	83067.7172025076	-10.1559985833775	-101.0205432	325415.130138151	343036.02927249	3126.734074026457	3019.120674353215	2980.95856232323	47.412255163148	52.0467123475455
469	59	4389	-62061.14133	83067.7172025076	-10.1559985833775	-101.0182166	325616.186990514	343032.03741444	3124.919027943251	3018.7603283982407	2979.472017624923	47.412255163148	52.7288317733179
470	59	4390	-61401.14133	83067.7172025076	-10.1559985833775	-101.0158901	325817.2040796529	343028.03359759	3123.103981842046	3016.56076613415	2994.136235408717	47.412255163148	53.2247454250554
471	59	4391	-60741.14133	83067.7172025076	-10.1559985833775	-101.0135635	326018.294242071	343024.02915183	3122.151062611258	3014.377655012725	2997.5945228061255	47.412255163148	53.9501322065947
472	59	4392	-60081.14133	83067.7172025076	-10.1559985833775	-101.0112699	326219.34797615	343020.02511812	3120.224312053769	3012.242312053769	2995.10813209713156	47.412255163148	54.93028226007986
473	59	4393	-59421.14133	83067.7172025076	-10.1559985833775	-101.0089104	326420.401830046	343016.02511812	3118.30701822682	3010.1446019787585	2993.08775344		

ix	iy	ic	Y.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg	BREIEvBothKrg	SatHtLogKrg	SatHtBothKrg
551	4347	-6961.141327	830677.3170250766	39.15623118628403	-100.8274378	342102.0514124968	433570.24559290165	3005.798611325044	2131.69258803583	2840.568869099383	2840.35572770405	73.12371858991484	73.3363873344797	
552	4347	-7261.141327	830677.3170250766	39.156231174519485	-100.8251113	3423.031919224726	43350.706	3003.156154631317	2912.804731911241	2844.822531512077	2844.73343686044	67.7822009105059	67.87038654443677	
553	4347	-6961.141327	830677.3170250766	39.15623117816136	-100.8287283	342604.1327654645	433569.27838251	3003.156154631317	2912.804731911241	2844.822531512077	2844.73343686044	67.7822009105059	67.87038654443677	
554	4347	-7261.141327	830677.3170250766	39.15623260617402	-100.8204851	342705.1724827563	433560.296053004	3004.156154631317	2912.804731911241	2844.822531512077	2844.73343686044	67.7822009105059	67.87038654443677	
555	4347	-5301.141327	830677.3170250766	39.15623289959314	-100.8181315	342906.2152338006	433568.296441169	2996.293042571411	2903.341296571172	2852.7400803805576	2853.447210525426	66.06212619115423	55.8620251916949	
556	4347	-4641.141327	830677.3170250766	39.1562332087349	-100.815805	343107.2524297693	433568.296007039	2995.789011923377	2908.2578711615392	2844.5123994131387	2844.366211994128	63.5669187414056	63.5669187414056	
557	4347	-3981.141327	830677.3170250766	39.15623362151044	-100.8134784	343308.297138955	433568.297137702	2995.296681256266	2907.178200573421	2834.822443566305	2834.821837692116	55.8620251916949	55.8620251916949	
558	4347	-3231.141327	830677.3170250766	39.15623370217804	-100.8111518	343509.331765396	433567.3286409	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
559	4347	-6961.141327	830677.3170250766	39.1562340788181	-100.8088252	343710.3712047464	433569.27838251	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
560	4347	-7261.141327	830677.3170250766	39.1562342360703	-100.8054987	343911.41049132845	433569.27838251	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
561	4347	-1341.141327	830677.3170250766	39.15623434639348	-100.8047121	344112.4496261138	433569.27838251	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
562	4347	-681.1413269	830677.3170250766	39.15623441521141	-100.8018455	344313.486091889	433569.27838251	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
563	4347	-21.14132693	830677.3170250766	39.156234439150026	-100.7995189	344514.5274400766	433569.27838251	2994.752036367658	2906.104999139777	2824.341945	2823.869119113275	71.7585523248781	82.23138080070021	
564	4347	338.85967303514	830677.3170250766	39.15623441812013	-100.7971924	344715.5661206219	433562.397736793	2988.29823549011	2899.7061411349414	2811.4109534369245	2812.240323943145	85.29518769801689	47.4591082	
565	4347	1298.85967303514	830677.3170250766	39.156234525151438	-100.794886	344916.60449373	433568.40986105	2988.100641769898	2899.69563496044	2812.306111069665	2812.382719053996	86.39785109653389	84.9784525064071	
566	4347	1958.85967303514	830677.3170250766	39.15623462124401	-100.7925392	345117.6143	433564.4411215371	2988.912058887	2901.679004006	2812.299633627145	2812.190732552755	84.823541	82.6224074871019	
567	4347	2618.85967303514	830677.3170250766	39.1562348539776	-100.7902126	345318.681524916	433564.43622198	2987.61696741007	2995.58609744791	2813.637337084535	2816.157838	82.848774	80.4282610190469	
568	4347	3278.85967303514	830677.3170250766	39.15623498461273	-100.787886	345519.719307382	433566.447263946	2984.61537410037	2985.558496434525	2814.10806258086	2816.3510961041206	81.44999118	79.20740033	
569	4347	3838.85967303514	830677.3170250766	39.156233888885	-100.7855595	345720.572568014	433562.346	2981.871379280464	2894.537366738815	2813.788066414774	2816.1085874282492	77.97856254652323	77.97856254652323	
570	4347	4598.85967303514	830677.3170250766	39.1562338282636	-100.7832329	345921.7950326968	433568.437067315	2979.01215999276	2983.520515269525	2814.8205283247691	2816.106912267754	76.9989088203446	75.4136013	
571	4347	5258.85967303514	830677.3170250766	39.15623301262501	-100.7809063	346122.8326856155	433562.408	2976.980849579923	2892.590431674639	2814.300454514066	2817.350213131734	78.208977160289	75.1544013505664	
572	4347	5918.85967303514	830677.3170250766	39.1562236208487	-100.7785797	346323.017043788	433562.408	2975.65970717606	2891.5027417037845	2814.40102367044	2817.350213131734	78.208977160289	75.1544013505664	
573	4347	6568.85967303514	830677.3170250766	39.1562236208487	-100.7785797	346323.017043788	433562.408	2975.65970717606	2891.5027417037845	2814.40102367044	2817.350213131734	78.208977160289	75.1544013505664	
574	4347	7218.85967303514	830677.3170250766	39.15623176188296	-100.773296	346725.9448350296	433561.5257033	2973.057933996662	2889.5023966662	2811.36318418238	2811.147635959203	78.14101102483426	78.3546307455586	
575	4347	7898.85967303514	830677.3170250766	39.156231220831835	-100.7716	346926.9816666204	433560.546079255	2970.2831040699702	2888.508673474205	2808.825246	2806.22394421769	78.3546307455586	78.3546307455586	
576	4347	8558.85967303514	830677.3170250766	39.1562306053615	-100.7692734	347128.105849315	433560.546079255	2968.034161	2885.1581629194	2805.623975855947	2801.250498217557	81.889118706381	86.26801757040812	
577	4347	9218.85967303514	830677.3170250766	39.1562305053062	-100.7669469	347302.0552718935	433568.888888888	2968.034161	2885.1581629194	2805.623975855947	2801.250498217557	81.889118706381	86.26801757040812	
578	4347	9878.85967303514	830677.3170250766	39.15622940512963	-100.7642203	347530.0918580239	433559.83211163	2957.5354510381	2885.5484540466	2796.933228023165	2793.4067838183028	81.889118706381	86.26801757040812	
579	4347	10528.85967303514	830677.3170250766	39.15622910011287	-100.7622037	347731.182915481	433559.83211163	2957.5354510381	2885.5484540466	2796.933228023165	2793.4067838183028	81.889118706381	86.26801757040812	
580	4347	11178.85967303514	830677.3170250766	39.15622879969717	-100.7602767	347932.176969717	433559.83211163	2957.5354510381	2885.5484540466	2796.933228023165	2793.4067838183028	81.889118706381	86.26801757040812	
581	4347	11828.85967303514	830677.3170250766	39.15622718497889	-100.7576406	348133.2007	433558.623727326	2957.5354510381	2885.5484540466	2796.933228023165	2793.4067838183028	81.889118706381	86.26801757040812	
582	4347	12518.85967303514	830677.3170250766	39.15622635505106	-100.755314	348334.236704173	433560.8424005	2943.36853669986	2881.6015750580736	2787.067028798023	2786.335762360452	80.453618822	75.2658382	
583	4347	13178.85967303514	830677.3170250766	39.15622548018444	-100.7529874	348535.272634832	433557.657680067	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
584	4347	13838.85967303514	830677.3170250766	39.1562245603796	-100.7506068	348736.3082412395	433567.073409425	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
585	4347	14488.85967303514	830677.3170250766	39.15622395549384	-100.7483431	348937.3437890349	433558.688888888	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
586	4347	15138.85967303514	830677.3170250766	39.15622328550203	-100.7460077	349138.3791692924	433564.7404325	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
587	4347	15818.85967303514	830677.3170250766	39.156223133039	-100.7438811	349339.41444112305	433567.307319189	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
588	4347	16478.85967303514	830677.3170250766	39.1562204176941	-100.7413545	349540.4466517574	433556.734673234	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
589	4347	17138.85967303514	830677.3170250766	39.1562192877022	-100.739028	349741.848116805	433552.5756318	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
590	4347	17798.85967303514	830677.3170250766	39.1562180873259	-100.7367014	349942.519428495	433548.769208549	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
591	4347	18458.85967303514	830677.3170250766	39.1562168738559	-100.7343748	350143.554979355	433548.769208549	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
592	4347	19118.85967303514	830677.3170250766	39.1562156441056	-100.7320482	350344.58862170356	433540.80233121	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
593	4347	19778.85967303514	830677.3170250766	39.15621441056	-100.7297361	350545.6228170356	433540.80233121	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
594	4347	20438.85967303514	830677.3170250766	39.1562132896037	-100.7273951	350746.65692730275	433532.3874834	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
595	4347	21098.85967303514	830677.3170250766	39.156212146561424	-100.7250865	350947.6913209931	433532.3874834	2937.09731566835	2880.601907838716	2788.902327326923	2788.95416974513	81.6995804862033	81.6995804862033	
596	4347	21758.85967303514	830677.3170250766	39.1562110749102	-100.722724	351148.72526410094	433532.3874834	2937.09731566835						

ix	iy	ic	X.1m	Y.1m	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.1m	W.Ln.	BR1ElevLogKrg.1m	BR1ElevBothKrg.1m	SurfBothKrg.1m	SatHBoth.1m
67	45	4397	75218.85867307335	830677.3170250766	-0.15594291647985	-100.53429	367432.0126707954	4335202.8622485298	2758.817010785613626	2726.33645986144125	2681.4354707714674	2683.439877798619	44279888425407	42.9248181579357
678	59	4398	75678.85867307335	830677.3170250766	-0.155937447618295	-100.5319638	367633.0533313947	4335106.89397527	2758.8629240336633	2726.06256590581453	2685.891950081917	2686.8274591742007	39.19105187	38.25529784244464
679	59	4399	76538.85867307335	830677.3170250766	-0.15593622818146	-100.5296484	367840.94722105	4335171.12	2758.870491420178	2726.094002030588	2689.107358101584	2689.107358101584	34.6892029151683	34.6892029151683
680	60	4399	77198.85867307335	830677.3170250766	-0.15592700244425	-100.5273104	368035.0046916826	4335190.957179103	2757.9349184123633	2722.496550282851	2688.1249636126116	2689.2160948579515	34.3226453923294	33.2804542847598
681	59	4399	77858.85867307335	830677.3170250766	-0.15592145889924	-100.5249838	368236.10284673737	4335168.989882828	2756.297585183422	2721.189291242872	2686.524112372117	2687.58378996166	34.6651788707497	33.73345325
682	60	4399	78518.85867307335	830677.3170250766	-0.155916422117386	-100.5226572	368437.125097103	4335163.02227969	2754.6610745294047	2721.872487974508	2683.9407833496857	2684.827109571017	34.58240622249	35.0453784
683	60	4399	79178.85867307335	830677.3170250766	-0.155911053396686	-100.5203307	368638.1472202598	4335179.054730345	2752.990438596605	2718.546305347299	2680.831900365606	2681.8108070000000	33.7140408169295	33.7003463533234
684	59	4399	79838.85867307335	830677.3170250766	-0.15590504	-100.5180401	368839.16822633	4335170.48742927	2751.941035987369	2717.210968311527	2678.108518744409	2678.91033392838	39.1024464374375	38.3959292026913
685	59	4399	80498.85867307335	830677.3170250766	-0.155901968	-100.516778	369040.194661285	4335171.12	2751.941035987369	2717.210968311527	2678.108518744409	2678.91033392838	39.1024464374375	38.3959292026913
686	59	4399	81158.85867307335	830677.3170250766	-0.1558977605616	-100.513351	369241.212629375	4335167.1318282	2747.12683180425	2714.516875879017	2676.225621746114	2676.225621746114	38.789254112399	38.2862402
687	60	4399	81818.85867307335	830677.3170250766	-0.1558919213229	-100.5110245	369442.234654706	4335163.186521769	2748.031430710375	2713.33468841657	2677.231334688143	2677.231334688143	39.2532641568435	35.4246381334028
688	59	4399	82478.85867307335	830677.3170250766	-0.1558833572083	-100.5086979	369644.25933721	4335159.219699471	2747.334776481397	2711.78834882332	2680.103301873914	2680.68316790044	31.6850240440474	31.104770919279
689	60	4399	83138.85867307335	830677.3170250766	-0.1558778973712	-100.5063714	369844.273023036	4335155.2544423	2745.638098491237	2710.4158589582438	2683.2899169360855	2684.256279804313	27.11594298521257	26.958779396804
690	59	4399	83798.85867307335	830677.3170250766	-0.1558721406361	-100.5040448	370045.298421033	4335151.2871411	2757.94140217446	2709.0382927450496	2684.76496928896	2686.12934569367	24.273958161510	22.9290085085894
691	59	4399	84458.85867307335	830677.3170250766	-0.1558664858782	-100.5017183	370248.319561389	4335147.321	2759.87290374144	2707.66623328811	2681.06652396875	2682.374949639037	25.2777368860212	25.2777368860212
692	59	4399	85118.85867307335	830677.3170250766	-0.15586126937	-100.499317	370447.340640492	4335143.3511208	2760.720594	2706.27009088727	2677.4760849161127	2677.4760849161127	35.702059920998	34.921741964797
693	60	4399	85778.85867307335	830677.3170250766	-0.155845493022	-100.4967052	370648.3615087464	4335139.38936515	2762.01228480145	2704.679963	2677.787308204094	2677.787308204094	47.096323023804	46.9228803512607
694	60	4399	86438.85867307335	830677.3170250766	-0.155840155203	-100.4947386	370849.382247696	4335135.42765069	2762.251975309023	2703.46566921426	2674.6149904	2674.6149904	37.106731302533	36.0666322391397
695	59	4399	87098.85867307335	830677.3170250766	-0.1558412357398	-100.4942121	371050.4028620504	4335131.45838454	2762.24149649401	2702.090556580085	2674.91891262155	2674.91891262155	61.1322806193005	61.1561156672504
696	59	4399	87758.85867307335	830677.3170250766	-0.1558371706578	-100.4900855	371251.4233139895	4335125.43097744	2765.462807603057	2700.692556602937	2673.236817886573	2673.236817886573	43.6590147136467	43.786929911411696
697	59	4399	88418.85867307335	830677.3170250766	-0.15583117280375	-100.487759	371452.44371771285	4335123.58208348	2758.66558562113	2699.2939039511	2635.3343131	2634.90552927716	63.699159928271346	63.699159928271346
698	59	4399	89178.85867307335	830677.3170250766	-0.15582510011614	-100.4854234	371653.463954316	4335119.5631122	2752.904124	2697.893297163253	2634.90552927716	2634.90552927716	60.70947706704	60.71243869782
699	59	4399	90138.85867307335	830677.3170250766	-0.155819248146	-100.482608	371847.3747378334	4335104.484	2751.558429682984	2696.43072564998	2634.90552927716	2634.90552927716	48.90547240313	48.90547240313
700	59	4399	90398.85867307335	830677.3170250766	-0.155812909513296	-100.4807793	372055.50047172565	4335111.63332128	2745.93741655327	2695.0938334405	2633.843622391896	2633.843622391896	60.808044391323	61.24940693215475
701	59	4399	91058.85867307335	830677.3170250766	-0.1558073200718	-100.4784528	372256.523842575	4335107.6498458	2742.014932756953	2693.693931074345	2634.316882	2633.822367381959	59.8770622534575	59.8770622534575
702	59	4399	91718.85867307335	830677.3170250766	-0.15580050463056	-100.4761262	372457.543690456	4335103.705216945	2738.50136886036	2692.29015346901	2634.069734043957	2634.069734043957	58.2262759194441	58.5349819594522
703	60	4399	92378.85867307335	830677.3170250766	-0.15579424	-100.4737997	372658.653132305	4335099.76132305	2732.85077268802	2690.899795	2633.864289769643	2633.774648198228	57.0350409892716	57.5229848877234
704	59	4399	93038.85867307335	830677.3170250766	-0.1557879256037	-100.4714731	372859.882174234	4335095.771391749	2735.129620328974	2689.505700540167	2633.4334846257	2632.929810637847	56.070336974472	56.070336974472
705	59	4399	93698.85867307335	830677.3170250766	-0.155781248146	-100.469178	373060.8021969434	4335091.816218345	2737.558429682984	2688.51076826394	2632.4334846257	2632.4334846257	55.30319154382698	55.30319154382698
706	59	4399	94358.85867307335	830677.3170250766	-0.155775169907116	-100.467158	373261.8214537785	4335087.500621915	2730.928352	2687.21435378765	2632.782909110118	2632.782909110118	47.93277677179	47.93277677179
707	59	4399	95018.85867307335	830677.3170250766	-0.1557687226733	-100.4644835	373462.4046886702	4335083.868742584	2730.3326306038	2683.334935519806	2631.893453692007	2631.771586352915	43.4381481826993	43.5361791668207
708	59	4399	95678.85867307335	830677.3170250766	-0.1557622050161	-100.4621669	373663.6590162424	4335079.92361026	2695.890552	2683.941656029884	2631.60375670253	2630.976234963094	52.965204464715	52.965204464715
709	59	4399	96338.85867307335	830677.3170250766	-0.15575669339203	-100.4598404	373864.678492522	4335075.95629158	2688.07780073688	2682.548325070646	2632.999602126466	2632.76097204618	48.4587223479998	48.4587223479998
710	59	4399	96998.85867307335	830677.3170250766	-0.1557491134456	-100.4575138	374065.6972674706	4335071.99711411	2681.1357699109	2681.1357699109	2633.904165802701	2633.904165802701	47.2495111363379	47.2381335732979
711	59	4399	97658.85867307335	830677.3170250766	-0.15574284259216	-100.4551783	374266.75190178496	4335068.3308495729	2682.6239943504	2679.75482717076	2634.25074259515	2634.25074259515	45.4571129248848	45.4571129248848
712	59	4399	98318.85867307335	830677.3170250766	-0.1557351249305	-100.452808	374467.743778334	4335054.073	2681.18187171001	2680.94363676844	2634.04372564998	2634.04372564998	43.950543621951	43.950543621951
713	59	4399	98978.85867307335	830677.3170250766	-0.15572909551626	-100.4505342	374668.7528418513	4335040.110234084	2679.69738251135	2678.967592851135	2634.3026748394	2634.3026748394	42.6394711149945	42.6394711149945
714	59	4399	99638.85867307335	830677.3170250766	-0.15572233377616	-100.4482077	374869.771129681	4335056.14804799	2705.215839204717	2675.55778034712	2633.040692969996	2633.4277482470534	42.493707721945	42.13002978658714
715	59	4399	100298.85867307335	830677.3170250766	-0.15571555	-100.4458811	375070.7892946598	4335061.186107528	2704.13509602319	2629.4587169806246	2629.755627496304	2629.755627496304	43.9976274232104	43.9976274232104
716	59	4399	100958.85867307335	830677.3170250766	-0.15570868	-100.4435546	375271.807403279	4335048.224300292	2704.454079058753	2672.742723646172	2623.4673171504273	2623.4673171504273	49.279065799514	49.1264015269362
717	59	4399	101618.85867307335	830677.3170250766	-0.155701778749325	-100.441228	375472.8253677216	4335044.26267023	2698.66831204584	2671.338972075409	2617.498811601507	2617.290327404154	53.8241751525821	53.8241751525821
718	59	4399	102278.85867307335	830677.3170250766	-0.1556948319256	-100.439014	375673.8416831919	4335040.31205737	2695.96085112542	2669.928367361996	2612.962750958045	2612.536379094065	56.9658673415993	57.0027367879314
719	59	4399	102938.85867307335	830677.3170250766	-0.1556879871142	-100.43678	375874.8616831919	4335036.3308495729	2693.7981874429	2668.03878711527	2612.962750958045	2612.962750958045	55.30319154382698	55.30319154382698
720	59	4399	103598.85867307335	830677.3170250766	-0.15568081925856	-100.434284	376075.8784170915	4335032.13679027	2696.411024543093	2668.3257983147	2608.062543564585	2608.062543564585	53.7866559238114	53.7866559238114
721	59	4399	104258.85867307335											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BREIEvLogsKgf.	BREIEvBothKgf.	SatHtLogs.ft	SatHtBoth.ft
63	40	43723	-330021.1413	831337.3170250766	39.15242910342555	-101.9627759	243976.0415988642	337873.567492905	3908.559688081932	3787.382740997044	3732.1943040479635	3743.6433938879327	55.18840451740916	43.73934710911135
64	40	43724	-329361.1413	831337.3170250766	39.15245150505255	-101.9604496	24417.1713313404	337864.491538841	3902.13671504383	3786.0795415511975	3727.8541721709949	3741.7437404803628	54.23541984124837	43.5401141256938
65	40	43725	-328701.1413	831337.3170250766	39.15247362635195	-101.9581234	24437.25829816178	337876.35145824	3906.713772384638	3784.75731364408	3728.6844784217919	3737.811017509216	55.02835343594524	46.84851435815747
66	40	43726	-328041.1413	831337.3170250766	39.152496310145684	-101.9557791	24479.460361207	337869.34	3889.2908291762847	3784.11510164026	3724.151437735806	3733.409147481327	59.26507241016543	50.0733058
67	40	43727	-327381.1413	831337.3170250766	39.152518622527104	-101.9534708	24478.59900865605	337857.26470087	3882.1622	3782.057940070467	3723.501750475486	3729.461160297762	58.5561899545887	52.59692314927406
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69	40	43729	-326061.1413	831337.3170250766	39.15256311250108	-101.9488182	24518.267819504376	337849.11442898	3868.78898396616	3779.290722624902	3723.0979858734145	3724.276167521174	56.1927365	55.0145551
70	40	43730	-325401.1413	831337.3170250766	39.15258529003972	-101.9464819	24538.04140493041	337845.03936796	3871.872436746275	3774.84382359427	3723.494282300725	3722.612101719157	54.94145935342656	55.27237218368141
71	40	43731	-324741.1413	831337.3170250766	39.15260746275672	-101.9441657	24565.1523712176	337840.3545841	3866.7146401912597	3774.464019719084	3722.346302713284	3724.1177619776892	54.11771674776892	54.11771674776892
72	40	43732	-324081.1413	831337.3170250766	39.1526295140006	-101.9418534	24586.2903080675	337836.89024044	3856.068713542747	3775.02598981632	3721.066033209413	3720.30314853394	54.7234758037495	54.7234758037495
73	40	43733	-323421.1413	831337.3170250766	39.1526515353694	-101.9395131	24598.74275382014	337832.81583183	3854.504859702086	3773.572234166258	3718.670372412137	3720.285643926797	54.90285100448654	53.28735902394401
74	40	43734	-322761.1413	831337.3170250766	39.15267351178495	-101.9371868	24618.5644490432	337828.741749161	3852.941258026303	3772.103976353957	3716.281712832126	3715.857857240048	55.8222450704443	53.5161171135494
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77	40	43737	-320781.1413	831337.3170250766	39.15273927522117	-101.9302079	24679.71495458414	337816.502981704	3871.82409095952	3767.815524974848	3704.512555775412	3712.7005715765445	61.0296919943403	54.914953983031
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81	40	43741	-318141.1413	831337.3170250766	39.1528267825908	-101.9209027	24759.6182526294	337800.22481067	3883.704621821965	3761.472892633875	3694.9297811922843	3702.868813829764	66.5431144	58.6047876990212
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86	40	43746	-314841.1413	831337.3170250766	39.15293402112936	-101.9092712	24860.19175755576	337779.8654013	3883.215120310454	3753.571332719536	3695.917035466624	3696.395489313242	57.25029725091242	55.1474404029394
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91	40	43751	-311541.1413	831337.3170250766	39.15304064074282	-101.8976738	249607.8590271208	337759.50787404	3874.75015927955	3744.3340305	3699.794426981417	3701.340495	44.2425767308312	42.69625084099626
92	40	43752	-310881.1413	831337.3170250766	39.15306185	-101.8951313	249809.9714230489	337755.4367962	3877.55436796	3741.473855666907	3701.7181282011	3701.7181282011	42.69625084099626	42.69625084099626
93	40	43753	-310221.1413	831337.3170250766	39.15308297407483	-101.892987	25000.1240241213	337751.368591815	3867.288775580543	3738.852483993823	3703.120156549252	3711.6778407012275	35.3322473456087	37.1194319259534
94	40	43754	-309561.1413	831337.3170250766	39.15310470334515	-101.8906607	25021.256417067	337747.295344726	3867.77158780653	3736.198835675571	3704.514365790498	3714.684696265395	25.91996281137077	25.91996281137077
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96	40	43756	-308241.1413	831337.3170250766	39.153146137093835	-101.8860081	250613.05210561756	337739.154801899	3857.7974471403303	3730.8190418419526	3707.779961062179	3712.372451378417	23.0509717387459	23.0509717387459
97	40	43757	-307581.1413	831337.3170250766	39.15316710572719	-101.8838817	250814.6515784435	337735.046641538	3855.0118475923135	3728.097673	3708.164325821909	3713.36715942337	23.0509717387459	23.0509717387459
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103	40	43763	-303621.1413	831337.3170250766	39.15329148489583	-101.8697238	252021.4352395108	337710.766750817	3833.31704361135	3711.476478373992	3696.46514508475	3694.9641774276704	15.099618727655	16.5850976051595
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107	40	43767	-300981.1413	831337.3170250766	39.15337427515962	-101.8604184	25282.9527658346	337704.393178253	3816.142108283672	3700.270				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Kg.f	BR Elev.Both.Kg.f	SatThk.Log.s	SatThk.Both.f
188	60	43849	-246861.1413	831337.3170250766	39.15450361510529	-101.6696548	26937.7180120221	4373761.391512453	3308.2330978998734	3490.128552419283	3496.6593527056552	315.9649221026688	0	0
190	60	43850	-246201.1413	831337.3170250766	39.15452040086891	-101.6672384	2699.186724080572	4373737.3617347566	3598.5494266779527	3487.507396585789	3492.592027673793	3496.314486676625	0	0
191	60	43851	-245181.1413	831337.3170250766	39.15459174169849	-101.6650181	2697.68345912929	4373733.344593709724	3887.863243709724	3484.57343709724	3488.623683212325	3493.6376745	0	0
192	60	43852	-244881.1413	831337.3170250766	39.15458337593399	-101.6626755	2699.041045511966	4373733.21047136	3566.1909471400365	3481.796575980533	3484.601776152454	3496.39831615958	0	0
194	60	43853	-244221.1413	831337.3170250766	39.15459704885545	-101.660349	270122.1543206618	4373735.17911582	3564.5131905787352	3479.020342696848	3479.8177103833086	3496.31507863614	0	0
194	60	43854	-243561.1413	831337.3170250766	39.1545970458276	-101.6580226	270332.2671692297	4373731.12995458	3552.835430413433	3476.2450155103743	3471.365231122021	3481.3961595266983	0.8797843883530732	0
196	60	43855	-242901.1413	831337.3170250766	39.15500356575934	-101.6559662	270524.370678237	4373732.072169757	3543.4304826935027	3473.471571922654	3470.1983419965102	3475.67491266584	3.273229917146182	0
196	60	43856	-242421.1413	831337.3170250766	39.15500271834906	-101.6533697	270754.9700898167	4373733.02	356.29833618947	3470.7002741872725	3466.323011840916	3469.811842467259	4.08884317200196138	0
197	60	43857	-241581.1413	831337.3170250766	39.15502664359686	-101.6510433	270926.5865810261	4373732.967133893	3528.166191	3467.33171718	3461.963889	3464.88096407377	5.94796981719889	0
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199	60	43859	-240261.1413	831337.3170250766	39.15506465070544	-101.6463904	271328.8017844927	4373730.862803304	3515.1876132080456	3462.0440678258	3454.528801935309	3454.5118218677	7.892839800470956	0
200	60	43860	-239601.1413	831337.3170250766	39.15508578712841	-101.644004	271529.9088762624	43737316.81	3508.626675900267	3459.646752236634	3448.924054442435	3449.9269347482827	7.7226977494627	9.197788757836312
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204	60	43864	-236961.1413	831337.3170250766	39.15515096348052	-101.6347582	272334.33523231704	4373730.605	3488.268072018445	3448.6561934992105	3426.68974835232	3427.56781920348	21.9668286	21.08874129557151
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208	60	43868	-234321.1413	831337.3170250766	39.155214860873194	-101.6254524	273138.757890251	43737284.40234329	3471.089950550407	3437.7109092097407	3409.8524291110716	3409.976390136677	27.85848018673505	27.73451911130265
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212	60	43872	-231681.1413	831337.3170250766	39.15527831931259	-101.6161465	273943.1769314567	43737268.20	3463.128844735977	3426.78905160766	3402.8056909693026	3404.1805404936211	23.98335437345273	22.60852124454806
213	60	43873	-231021.1413	831337.3170250766	39.15529047158575	-101.6138201	274144.2811727487	4373726.152292165	3460.69152136095	3424.05894703681	3406.94189497229	3404.345933026873	17.1170791065491	17.309598400939727
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218	60	43878	-227721.1413	831337.3170250766	39.15537215495209	-101.6021878	275149.7987237104	43737243.00847148	3443.854823102328	3410.4183197124134	3400.200909178596	3403.286155105414	10.2227827398126	7.145699161872071
219	60	43879	-227061.1413	831337.3170250766	39.15538764159447	-101.5998613	275350.9018	43737239.85891036	3441.4410132733043	3407.701377373402	3400.5257860050646	3401.679755650187	7.184527776776122	6.30356127153781
220	60	43880	-226401.1413	831337.3170250766	39.1554039032388	-101.5975349	275552.0044062823	43737238.809191658	3440.370651242437	3404.89422784321	3400.631209189385	3403.821359409363	3.645096780741458	3.645096780741458
221	60	43881	-225741.1413	831337.3170250766	39.155418472118406	-101.5952084	275753.1068372935	43737231.762	3439.300219530547	3402.26849	3400.5723259401584	3400.5723259401584	1.7611644320618325	0.323293711568389
222	60	43882	-225081.1413	831337.3170250766	39.15543381997797	-101.5928819	275954.290469046	43737227.714	3438.229932658776	3399.545599277895	3400.579322461704	3405.817546055193	0	0
223	60	43883	-224421.1413	831337.3170250766	39.15544912295052	-101.5905585	276155.311035183	43737223.66850518	3444.844856480026	3396.820536478917	3400.0436216614517	3412.7156238562588	0	0
224	60	43884	-223761.1413	831337.3170250766	39.15546433092056	-101.588229	276356.1428027442	43737219.18190941	3443.0032617378326	3398.3140300106	3402.92523137625	3403.92523137625	0	0
225	60	43885	-223101.1413	831337.3170250766	39.15547959384652	-101.5859025	276557.514534576	43737212.90877665	3443.043689641255	3397.363705572615	3398.477599861953	3413.478904114941	0	0
226	60	43886	-222441.1413	831337.3170250766	39.15548742065935	-101.5835761	276758.615674282	43737213.52370393	3447.742925244842	3388.6318459120744	3397.514019668435	3404.1405731753343	0	0
227	60	43887	-221781.1413	831337.3170250766	39.15550888525023	-101.5812496	276959.716781104	43737207.476	3446.61272	3385.89808	3396.773512564955	3447.06438343288	0	0
228	60	43888	-221121.1413	831337.3170250766	39.1555246349941	-101.5789231	277160.8176666026	43737203.429264215	3440.502769023844	3383.1621350059586	3395.69252017851	3446.006299	0	0
229	60	43889	-220461.1413	831337.3170250766	39.1555399681341	-101.576996	277361.913821438	43737199.382475991	3393.402184149525	3384.42149841809	3394.3659819585088	3439.7155517626716	0	0
230	60	43890	-219801.1413	831337.3170250766	39.15554985192222	-101.5742702	277563.0187779179	43737195.33663538	3396.93267275324	3377.684094381317	3393.268861246836	3429.51841817563	0	0
231	60	43891	-219141.1413	831337.3170250766	39.1555649274245	-101.5719245	277764.814959452978	43737189.2754	3394.391494724578	3391.3391789	3390.741812769	3421.918412769	0	0
232	60	43892	-218481.1413	831337.3170250766	39.15558247114414	-101.5696172	277965.219010957	43737187.2413171	3515.347639583063	3372.197670895493	3390.86711588021	3420.710281084734	0	0
233	60	43893	-217821.1413	831337.3170250766	39.15560080771718	-101.5672907	278166.381987705	43737183.19708311	3519.8180501687204	3369.451207383154	3389.7944417246367	3416.440667625398	0	0
234	60	43894	-217161.1413	831337.3170250766	39.15561448935494	-101.5649643	278367.4183674812	43737179.15175273	3524.273970550437	3366.702510557837	3387.87903599211	3412.272055252693	0	0
235	60	43895	-216501.1413	831337.3170250766	39.1556293505375	-101.5626378	278569.5177175154	43737175.10543556						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevKgr.f	BR/ElevBothKgr.f	Lat3Kgr.f	Lat3Both.f
35	40	43975	-163701.1413	831337.3170250766	39.15666475646553	-101.3765167	496685.7753474763	4338682.0169711744	339.85934404457796	3207.8676611805987	3132.7339571216817	3181.556646	75.13730468891708	26.310751555898685
316	60	43976	-163001.1413	831337.3170250766	39.15675860200766	-101.3741901	245865.8675991606	4338647.865	3356.367773605277	3207.8623236251313	313.36.20505662194	3156.8001583177316	72.50086799893734	51.02254204781548
317	60	43977	-162681.1413	831337.3170250766	39.156790250766	-101.3741901	245865.8675991606	4338647.865	3356.367773605277	3207.8623236251313	313.36.20505662194	3156.8001583177316	72.50086799893734	51.02254204781548
318	60	43978	-161721.1413	831337.3170250766	39.156667993119665	-101.369537	252529.0127	433863.9122374855	3352.319454214027	3207.8653604953592	3132.7339571216817	3181.556646	75.13730468891708	26.310751555898685
319	60	43979	-161061.1413	831337.3170250766	39.1567088262327	-101.3672105	25460.103363941	433863.892011781	3352.400604808905	3207.86613521687	3138.705767	3129.237452087466	69.0620460571033	78.49715621294035
320	60	43980	-160401.1413	831337.3170250766	39.15671902636926	-101.3648389	29566.11849922666	433863.861122203	3351.4455614507573	3207.86040608905	3137.759264013882	313.2.17996062194	70.0814079502135	75.66016741641991
321	60	43981	-159741.1413	831337.3170250766	39.1567308535783	-101.3625574	29862.2661970555	433862.83062114	3351.895174581196	3207.796920022098	3135.3735113917216	314.545.477433005	72.43240863082063	62.34916528904114
322	60	43982	-159081.1413	831337.3170250766	39.15674167976898	-101.360208	29862.3473	433862.80175085	3352.544667113191	3207.732477919875	3137.32722871739	3162.349496030788	75.3650197024847	45.39235790890911
323	60	43983	-158421.1413	831337.3170250766	39.15675246962965	-101.3579748	29864.9397041414	433862.764814376	3351.895174581196	3207.732477919875	3137.32722871739	3162.349496030788	75.3650197024847	45.39235790890911
324	60	43984	-157761.1413	831337.3170250766	39.156763311885	-101.3555777	29865.509656571	433861.73982709	3353.951707596524	3207.569108774159	3128.59910787955	3178.004591675855	78.49715621294035	51.02254204781548
325	60	43985	-157101.1413	831337.3170250766	39.1567739283756	-101.3535212	29866.584089671	433861.70918504	3357.6770956423076	3207.45367576127	3130.0212285703025	314.26507172880183	77.4324571912338	82.84789979
326	60	43986	-156441.1413	831337.3170250766	39.1567847431874	-101.3509246	29867.6697118725	433860.680187347	3371.39712758541	3207.322904927443	3131.0485225988527	3109.204284717964	72.7248232789154	78.49715621294035
327	60	43987	-155781.1413	831337.3170250766	39.15679528	-101.3485981	29708.7486130561	433860.65026438	3377.1738661486265	3207.3383079499494	3108.541599418593	31.82401352	98.6322667301744	98.6322667301744
328	60	43988	-155121.1413	831337.3170250766	39.15680586146844	-101.3462715	29729.6291971317	433860.621420563	3377.1738661486265	3207.3383079499494	3108.541599418593	31.82401352	98.6322667301744	98.6322667301744
329	60	43989	-154461.1413	831337.3170250766	39.15681601113701	-101.343945	29740.9094182178	433860.59032118	3382.157607	3206.8219996996784	3140.91432813881	3152.169442434914	75.3650197024847	45.39235790890911
330	60	43990	-153801.1413	831337.3170250766	39.15682685879716	-101.3416184	29761.9899231287	433860.56209902	3385.71777255104	3206.62002360518	3141.06113835134	31.78.78845674893	62.34916528904114	51.02254204781548
331	60	43991	-153141.1413	831337.3170250766	39.1568374566368	-101.3392919	29783.0683	433860.534139477	3389.235166439475	3206.401892890227	3148.839618400526	319.7549510126673	59.6621743439715	6.646741881
332	60	43992	-152481.1413	831337.3170250766	39.15684735052202	-101.3369653	298074.14733701	433860.50457221	3396.1678135085396	3206.1678135085396	3149.3928621967743	3202.274335805139	76.77495138450278	3.8943904650278
333	60	43993	-151821.1413	831337.3170250766	39.15685814043997	-101.3346388	298275.226341009	433860.47397477	3396.176162974518	3205.92044956564	3151.85181279775	3204.59117308621	54.10433679878952	1.3289765099034412
334	60	43994	-151161.1413	831337.3170250766	39.15686843	-101.3323122	298476.3504097858	433860.446819046	3399.647684139797	3205.659675863916	3153.863729776306	315.79021200021596	51.7904367261036	0
335	60	43995	-150501.1413	831337.3170250766	39.1568789546278	-101.3299856	29867.73836	433860.412042038	3400.4826010254405	3205.387489879727	3153.156665670023	3208.76638818496	50.0152278195235	0
336	60	43996	-149841.1413	831337.3170250766	39.156888505675	-101.3276591	29887.6187167273	433860.374284245	3398.6815076311145	3205.10239557068	3158.7502860670542	31.702.144557908	48.3502924601351	0
337	60	43997	-149281.1413	831337.3170250766	39.1568992284425	-101.3131379	29906.045371724	433860.340617124	3398.49649224896	3205.10239557068	3158.7502860670542	31.702.144557908	48.3502924601351	0
338	60	43998	-148521.1413	831337.3170250766	39.15690923596429	-101.323006	29920.617904335	433860.330771116	3395.079320494752	3204.49729633041	3162.9125568200615	3215.525752565759	41.5847395029757	0
339	60	43999	-147861.1413	831337.3170250766	39.15691932558895	-101.3206794	29941.695623849	433860.310492531	3393.04574195327	3204.177833060018	3163.678156617497	3211.87177869803	41.5847395029757	0
340	60	44000	-147201.1413	831337.3170250766	39.156929371609735	-101.3183528	29962.731461818	433860.28213295	3391.796242947636	3203.8479445897547	3164.261778356574	3211.0856673891426	39.5861620407929	0
341	60	44001	-146541.1413	831337.3170250766	39.1569393702574	-101.3160263	29983.8504174493	433860.2520391	3388.5139624	3203.508467755978	3164.694229726303	3209.129805	39.5861620407929	0
342	60	44002	-145881.1413	831337.3170250766	39.1569493750393	-101.3136997	30004.92759999103	433860.2280819	3386.247564493366	3203.159679981378	3165.00259603309	3208.071983038774	38.15708392747092	0
343	60	44003	-145221.1413	831337.3170250766	39.1569592284425	-101.3094484	30027.6106711805	433860.197471817	3384.694229726303	3203.159679981378	3165.00259603309	3208.071983038774	38.15708392747092	0
344	60	44004	-144561.1413	831337.3170250766	39.15696923596429	-101.307048	30048.78126711805	433860.17494295	3382.2661970555	3202.41354209233	3165.33224877379	3209.17842073914494	37.0991013194494	0.647137582439747
345	60	44005	-143901.1413	831337.3170250766	39.15697892431129	-101.30672	30068.1578063124	433860.14854991	3382.035219430355	3202.49169755103	3165.33224877379	3209.17842073914494	37.0991013194494	0.647137582439747
346	60	44006	-143241.1413	831337.3170250766	39.15698870037985	-101.3043934	30089.2341495011	433860.123219657	3380.805310899253	3202.654792833516	3165.187210256794	3195.6457825745578	6.009700446235623	0
347	60	44007	-142581.1413	831337.3170250766	39.1569980438026725	-101.3020669	30109.102068886	433860.09267611	3379.434964766775	3202.24735635634	3165.0885997508453	3193.635697940585	36.15933588480115	7.612267950904943
348	60	44008	-141921.1413	831337.3170250766	39.1570011667753	-101.2997403	30129.1864867626	433860.0719039047	3377.9295924129134	3202.828324129134	3164.915962653396	3191.4102370575372	34.71463835	0
349	60	44009	-141261.1413	831337.3170250766	39.15701717595038	-101.2974737	30149.260500708	433860.0488958	3376.424221	3202.828324129134	3164.915962653396	3191.4102370575372	34.71463835	0
350	60	44010	-140601.1413	831337.3170250766	39.157027353524	-101.2950872	30169.5375667277	433860.021915813	3374.914672048	3202.828324129134	3164.915962653396	3191.4102370575372	34.71463835	0
351	60	44011	-139941.1413	831337.3170250766	39.15703690462141	-101.2927606	30184.6123255165	433860.983812173	3372.9678912124	3202.828324129134	3164.915962653396	3191.4102370575372	34.71463835	0
352	60	44012	-139281.1413	831337.3170250766	39.1570464107098	-101.290434	30209.68103966	433860.96364204	3368.4940442043	3202.91028253095	3162.5120482039735	3183.92415236381	36.49823450515145	15.02885716713983
353	60	44013	-138621.1413	831337.3170250766	39.15705657818614	-101.2881075	30226.763080446	433860.93435996	3366.03071298585	3198.51746588529	3161.683107623308	3182.96770244237	36.49823450515145	15.02885716713983
354	60	44014	-137961.1413	831337.3170250766	39.1570652808457	-101.2857089	30249.837633359	433860.918107625	3363.7655855147	3197.087042	3161.228985563444	3181.746320301624	36.49823450515145	15.02885716713983
355	60	44015	-137301.1413	831337.3170250766	39.15707465936927	-101.2834543	30268.9125417003	433860.89167625	3361.476747129192	3197.087042	3161.228985563444	3181.746320301624	36.49823450515145	15.02885716713983
356	60	44016	-136641.1413	831337.3170250766	39.15708392747092	-101.2811728	30289.98646089	433860.869864089	3359.00519897005	3196.565719012546	3185.842595940358	3182.75812775435	38.15708392747092	0
357	60	44017	-135981.1413	831337.3170250766	39.157093690462141	-101.2794768	30302.135053082	433860.8421262041	3357.00519897005	3196.565719012546	3185.842595940358	3182.75812775435	38.15708392747092	0
358	60	44018	-135321.1413	831337.3170250766	39.157103690462141	-101.277448	30303.135053082	433860.81721262041	3357.00519897005	3196.565719012546	3185.842595940358	3182.75812775435	38.15708392747092	0
359	60	44019	-134661.1413	831337.3170250766	39.1571168517216	-101.274148	30303.135053082	433860.793712871	3357.00519897005	3196.565719012546	3185.842595940358	3182.75812775435	38.15708392747092	0
360	60	44020	-134001.1413	831337.3170250766	39.157126817216	-101.2718215	303704.282481411	433860.77333894	3338.614682151585	3204.914675215885	3149.925766784538	316		

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
441	40	14101	-80.05114313	831337.3170250766	39.157712474805585	-101.0836373	31990.6233474408	4393635.42892492	3168.834417418986	3027.009866303733	3027.6906353413688	42.31930362364145	46.101301761157
442	40	14102	-79881.14133	831337.3170250766	39.157717656419985	-101.0814007	32091.6812871582	4393631.419491285	3166.19491	3027.531010580923	3026.7558147179325	3026.9510089405986	45.5800016408375
443	40	14103	-7922.14133	831337.3170250766	39.157725234	-101.0787141	32089.24013972638	4393631.3583313043	3164.336906530041	3026.817637474904	3025.834836856953	42.157176314747804	45.1321790891497
444	40	14104	-78561.14133	831337.3170250766	39.15772872	-101.076375	32093.7885283473	4393633.401144465	3163.260576353207	3069.5871638207286	3024.8661814451427	44.9207963585904	44.8607762598407
445	40	14105	-77901.14133	831337.3170250766	39.15773405162738	-101.0740609	320794.8562102687	4393632.392223825	3162.184115718863	3068.1188640383676	3023.550241964932	43.8568227075058	44.57100898696924
446	40	14106	-77241.14133	831337.3170250766	39.15773933348453	-101.0717342	32095.913066569	4393635.384395709	3161.107745295495	3066.648061	3022.7782631202112	43.6669791340679	43.8167369
447	40	14107	-76581.14133	831337.3170250766	39.157744570420336	-101.0694076	321196.97158757948	4393632.3143380845	3160.777308208818	3022.530101	3022.550628354252	42.64080949578196	42.6208185429517
448	40	14108	-75221.14133	831337.3170250766	39.1577496238081	-101.067081	32138.98013146184	4393631.366454955	3161.193517574754	3063.681563278723	3022.302437439524	42.4379284414708	42.4379284477053
449	40	14109	-73561.14133	831337.3170250766	39.15774989419174	-101.064754	321599.0692542284	4393631.402338813	3162.170831747904	3062.710831747904	3021.6444486532576	42.62080949578196	42.528518182658356
450	40	14110	-74501.14133	831337.3170250766	39.15775001151965	-101.0624278	321800.14330466354	4393639.35029137	3162.025483681333	3060.82206479265	3020.045250920996	42.151569093507	40.4595978201147
451	40	14111	-73941.14133	831337.3170250766	39.1577505688001	-101.0601012	322001.20024239086	4393630.34202434	3161.00152421443	3059.0200918224764	3018.121743625166	42.81186526962424	40.80343719257338
452	40	14112	-73281.14133	831337.3170250766	39.1577700909008	-101.0577746	322202.2566980976	4393632.337473191	3158.5376225505047	3057.3359115204257	3016.203579127638	41.13233239	40.91129220202674
453	40	14113	-72621.14133	831337.3170250766	39.157773934818256	-101.0554749	322403.31523123	4393629.32271401	3156.07320779298	3055.5324360614563	3014.2052848651504	41.05425233981687	41.2772120983789
454	40	14114	-71961.14133	831337.3170250766	39.15777970524714	-101.0531213	322604.369025379	4393629.319800525	3153.60919008202	3053.5802603577367	3012.0494275849323	41.02336257411295	41.47882461601421
455	40	14115	-71301.14133	831337.3170250766	39.15778484972748	-101.0507747	322859.1486225904	4393629.317103141	3151.5852600510774	3051.474622471698	3009.990619646004	41.010549261132805	41.419986384417645
456	40	14116	-70641.14133	831337.3170250766	39.157789803390806	-101.0484861	323006.4821404846	4393629.305720857	3151.05006359352	3049.226492514532	3007.938511510594	41.00812658209874	41.2138340464786
457	40	14117	-69981.14133	831337.3170250766	39.15779446791471	-101.0461415	323207.538	43936281.296809254	3150.164878517267	3048.807513736285	3005.58930902959	40.9057323277796	41.225449
458	40	14118	-69321.14133	831337.3170250766	39.15779471049916	-101.0438149	323408.5936582896	4393627.2792	3149.276686749007	3044.4447752072833	3002.61672024323	41.05290498125954	41.6770818280001
459	40	14119	-68661.14133	831337.3170250766	39.15780390814647	-101.0414882	323609.6492982197	4393627.28578796	3147.3463454514525	3041.98009677219	2999.260026282789	41.02700239427497	42.62080949578196
460	40	14120	-68001.14133	831337.3170250766	39.15780856	-101.0391616	323810.7046383309	4393629.74922843	3145.45248546781	3039.50328798051	2995.6746867512907	2995.69683759017	42.720024676055
461	40	14121	-67341.14133	831337.3170250766	39.15781316861805	-101.036835	324001.759806378	4393626.27327325	3143.3849742109	3037.022025705888	2991.9844472812637	40.94705794427091	45.0277614786574
462	40	14122	-66681.14133	831337.3170250766	39.15781773144461	-101.0345084	324212.8148019596	4393626.267426284	3141.4020685747	3034.56740487368	2988.489945062825	40.94705794427091	46.13932813344135
463	40	14123	-66021.14133	831337.3170250766	39.157821984129464	-101.032156	324435.1946564284	4393626.25165669	3139.1744050581785	3032.547803725972	2988.474032725972	40.94705794427091	45.0277614786574
464	40	14124	-65361.14133	831337.3170250766	39.15782672279529	-101.0296551	324614.9242771561	4393623.256	3134.6191612840253	3029.69693150916	2982.65402263577	40.94705794427091	47.48995759829085
465	40	14125	-64701.14133	831337.3170250766	39.15783115	-101.0275285	324815.9787517655	4393624.250563212	3132.2117851774997	3027.788075967056	2982.7748088949184	40.94705794427091	46.13932813344135
466	40	14126	-64041.14133	831337.3170250766	39.1578353355964	-101.0252019	325017.0330657475	4393624.25385556	3131.7319575141174	3024.9531849322166	2983.870429351813	40.94705794427091	47.48995759829085
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468	40	14128	-62721.14133	831337.3170250766	39.15784416474585	-101.0205487	325419.141693974	4393627.235411252	3127.6068537040205	3021.341759504001	2986.827712663278	40.94705794427091	45.0277614786574
469	40	14129	-62061.14133	831337.3170250766	39.1578498129464	-101.018229	325622.1946564284	4393626.23685556	3126.3900770057958	3018.687398747381	2988.6047046178533	40.94705794427091	45.0277614786574
470	40	14130	-61401.14133	831337.3170250766	39.157857625624955	-101.0155474	325829.229134232	4393626.2314232	3125.023905482936	3015.87747492366	2990.50858154461	40.94705794427091	45.0277614786574
471	40	14131	-60741.14133	831337.3170250766	39.15786577405875	-101.0135688	326022.3020441447	4393625.221757189	3121.1041616197306	3013.688995	2992.544302353036	40.94705794427091	45.0277614786574
472	40	14132	-60081.14133	831337.3170250766	39.15786808837185	-101.0112422	326223.3552383564	4393621.217554438	3122.192691779752	3011.545878738049	2993.0090059343606	40.94705794427091	45.0277614786574
473	40	14133	-59421.14133	831337.3170250766	39.15786946562888	-101.0089156	326424.40844255243	4393621.21325982	3122.3462215842446	3009.4442849076365	2988.975750680014	40.94705794427091	45.0277614786574
474	40	14134	-58761.14133	831337.3170250766	39.15786989008115	-101.005889	326624.465413869437	4393621.20961872	3122.4987513881376	3007.286358312006	2982.179403333384	40.94705794427091	45.0277614786574
475	40	14135	-58101.14133	831337.3170250766	39.15787259895876	-101.0042623	326826.51461717322	4393620.20591897	3120.629424682648	3005.360672716882	2975.210289	40.94705794427091	45.0277614786574
476	40	14136	-57441.14133	831337.3170250766	39.15787620820996	-101.001957	327027.5667671219	4393620.20482627	3118.3907700579518	3003.5478496451	2984.5217840872171	40.94705794427091	45.0277614786574
477	40	14137	-56781.14133	831337.3170250766	39.15788078110019	-100.9996921	327228.619203193	4393620.19154871	3116.376702732662	3001.394408219754	2971.3211059	40.94705794427091	45.0277614786574
478	40	14138	-56121.14133	831337.3170250766	39.15788424833995	-100.9972825	327429.6714705276	4393619.195977305	3110.480376620793	2999.470132087496	2972.136125293033	40.94705794427091	45.0277614786574
479	40	14139	-55461.14133	831337.3170250766	39.15788842374819	-100.9945558	327630.723658952	4393619.190314839	3107.122274004057	2997.5817878064527	2972.032023403529	40.94705794427091	45.0277614786574
480	40	14140	-54801.14133	831337.3170250766	39.15789217766278	-100.992292	327831.7754987957	4393618.19026177	3106.32227509011	2995.7284904274707	2993.95462083075	40.94705794427091	45.0277614786574
481	40	14141	-54141.14133	831337.3170250766	39.15789588677648	-100.9903026	328032.8276027607	4393618.18771739	3105.52218609915	2993.70931724684	2992.009607172397	40.94705794427091	45.0277614786574
482	40	14142	-53481.14133	831337.3170250766	39.15789955007467	-100.987876	328233.6785367536	4393618.18115154	3104.7223137104193	2992.123185659034	2990.5324069634215	40.94705794427091	45.0277614786574
483	40	14143	-52821.14133	831337.3170250766	39.1579036198786	-100.9854303	328435.1946564284	4393618.18115154	3103.9418878451529	2991.39819878451529	2989.118332162897	40.94705794427091	45.0277614786574
484	40	14144	-52161.14133	831337.3170250766	39.15790643924755	-100.9833727	328625.981354737	4393617.18017367	3102.474984132562	2989.648359823295	2990.673944306354	40.94705794427091	45.0277614786574
485	40	14145	-51501.14133	831337.3170250766	39.157910273141134	-100.9809691	328837.032624907	4393618.178776051	3101.230676260796	2988.95465450432	2991.03083	40.94705794427091	45.0277614786574
486	40	14146	-50841.14133	831337.3170250766	39.1579137514784	-100.9786695	329038.0835	4393616.1701206	3099.941026153974	2987.951732244665	2991.1407957241177	40.94705794427091	45.0277614786574
487	40	14147	-50181.14133	831337.3170250766	39.15791719675841	-100.9763428	329239.1340467225	4393616.17542338	3100.461515995274	2983.65760054231	2992.136125293033	40.94705794427091	45.0277614786574
488	40	14148	-49521.14133	831337.3170250766	39.15792091152276	-100.9740162	329440.184932487	4393616.174002338	3102.6329225996934	2982.0512859991788	2990.707131	40.94705794427091	45.02776147865

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.fg	BRIElevBoth.fg	SatThKgs.fg	SatThBoth.fg	
567	60	44227	2618.858673033514	81.33137	31.70250766	39.15804673876931	-100.7902124	345322.67150777834	343584.611869347	2989.045851344243	281.44411207200867	2817.531307851491	71.335713218883	78.94593288888453
568	60	44228	2618.858673033514	81.33137	31.70250766	39.15804654	-100.7878889	345523.70940300095	335387.424360611	2986.71083759175	2895.46268472675	2815.276736423784	71.017672740613	80.143459174
569	60	44229	2618.858673033514	81.33137	31.70250766	39.15804629147579	-100.7858591	345625.7471464612	335383.637025363	2984.756251689688	2894.456611978582	2815.08268196883108	71.017672740613	80.143459174
570	60	44230	4598.85867303351	81.33137	31.70250766	39.1580451079222	-100.7833225	345925.78474049486	335358.499696351	2983.443027222432	2817.146054587473	2821.692516286967	76.29787234	71.75136559
571	60	44231	5258.85867303351	81.33137	31.70250766	39.1580456569637	-100.7809509	346126.82219047373	335382.658672599	2979.5859918687157	2892.4424175980785	2821.484785410375	75.1958013140655	70.95736218770344
572	60	44232	5918.85867303351	81.33137	31.70250766	39.1580452854161	-100.7785792	346327.8584962396	335381.676	2977.02168924505	2891.45581451628575	2816.9628619273697	76.20243415268579	71.0114273272949
573	60	44233	6578.85867303351	81.33137	31.70250766	39.15804486	-100.7762526	346528.8966234518	335381.678941991	2974.454746116924	2890.452716961696	2815.9748454990404	74.47787103712926	72.2833864277181
574	60	44234	7238.85867303351	81.33137	31.70250766	39.15804439	-100.773926	346730.92393157	335381.702611159	2971.87323397431	2889.46374286442	2814.708872087331	74.7500022	76.702452462017
575	60	44235	7898.85867303351	81.33137	31.70250766	39.1580439713079	-100.7715893	346930.8704770335	335380.971658698	2968.74872857698	2888.47872857698	2810.59268144437	74.7500022	76.702452462017
576	60	44236	8558.85867303351	81.33137	31.70250766	39.1580433123156	-100.7692777	347132.0071738116	335380.7035605	2962.166773209525	2887.46995253536	2810.18147282404	73.1155182814925	84.1923418418576
577	60	44237	9218.85867303351	81.33137	31.70250766	39.158042708572005	-100.7669641	347333.0432595437	335380.744587961	2956.5422141497647	2886.518637828889	2806.598002226108	73.1155182814925	84.1923418418576
578	60	44238	9788.85867303351	81.33137	31.70250766	39.1580420838275	-100.7646194	347530.80012736513	335379.759	2950.917555304519	2885.542919145896	2802.1834311335097	73.1155182814925	84.1923418418576
579	60	44239	10538.85867303351	81.33137	31.70250766	39.1580413623539	-100.7622828	347735.1163805427	335379.73212903	2946.737638330555	2884.590027866579	2979.591117733487	74.90274922864164	91.824405
580	60	44240	11198.85867303351	81.33137	31.70250766	39.1580406218551	-100.7599662	347936.15245856084	335379.787785471	2940.241859363579	2883.5961491287	2970.301779607827	75.93276149	93.2943236992212
581	60	44241	11858.85867303351	81.33137	31.70250766	39.1580398317454	-100.7576395	348137.1884	335379.787785471	2938.26144441025	2882.6234042705155	2934.347766191013	76.93276149	93.2943236992212
582	60	44242	12518.85867303351	81.33137	31.70250766	39.1580390322667	-100.7553129	348338.2242511625	335379.787785471	2934.347766191013	2881.64910978942	2974.37502933408	77.93276149	93.2943236992212
583	60	44243	13178.85867303351	81.33137	31.70250766	39.15803813335079	-100.7529683	348539.2599141083	335377.83253462	2931.78146043472	2880.67041078715	2975.9586210433983	78.93276149	93.2943236992212
584	60	44244	13838.85867303351	81.33137	31.70250766	39.158037137350919	-100.7506596	348740.29542872653	335377.83253462	2921.712840613647	2879.63157412128	2975.9586210433983	79.93276149	93.2943236992212
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586	60	44246	15158.85867303351	81.33137	31.70250766	39.15803524	-100.7460064	349142.3660167806	335375.878861702	2909.6602554978	2877.6330	2974.9142309706	81.93276149	93.2943236992212
587	60	44247	15818.85867303351	81.33137	31.70250766	39.15803418438272	-100.7436797	349343.40109000414	335376.918647798	2908.7956446037	2876.501643371126	2973.0728190148598	82.93276149	93.2943236992212
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592	60	44252	19118.85867303351	81.33137	31.70250766	39.158028237042764	-100.7320466	350348.5743672006	335374.93404025	2901.665265164995	2868.995487780426	2979.3620486456789	87.93276149	93.2943236992212
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597	60	44257	22418.85867303351	81.33137	31.70250766	39.1580216620528	-100.7204134	351353.74300709633	335372.60203817	2888.31982573661	2859.9314443473965	2972.7422820326	92.93276149	93.2943236992212
598	60	44258	23078.85867303351	81.33137	31.70250766	39.15801967121813	-100.7180686	351554.7773800336	335371.8709351	2882.63256152385	2859.01641521577	2972.41801110054	93.93276149	93.2943236992212
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601	60	44261	25058.85867303351	81.33137	31.70250766	39.15801470071585	-100.711098	352157.8589784595	335370.671336537	2886.27384658402	2852.5272814030823	2975.400423731957	96.93276149	93.2943236992212
602	60	44262	25718.85867303351	81.33137	31.70250766	39.15801271871024	-100.708783	352359.8298395487	335370.671336537	2885.015212132	2850.58611908782	2974.47205746332	97.93276149	93.2943236992212
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606	60	44266	28358.85867303351	81.33137	31.70250766	39.15800561	-100.6994377	353163.039963064	335368.72503393	2877.360379816574	2843.07591726001	2969.502438496026	101.93276149	93.2943236992212
607	60	44267	29018.85867303351	81.33137	31.70250766	39.1580039644039	-100.6971471	353364.0717938016	335368.72503393	2876.358221645307	2841.1633701794203	2968.400940884783	102.93276149	93.2943236992212
608	60	44268	29678.85867303351	81.33137	31.70250766	39.1580016554575	-100.6948205	353565.104205087	335368.72503393	2875.3594063805243	2839.248414484924	2967.165200647117	103.93276149	93.2943236992212
609	60	44269	30338.85867303351	81.33137	31.70250766	39.1580000000000	-100.692513	353766.136785705	335368.72503393	2874.3594063805243	2838.248414484924	2966.165200647117	104.93276149	93.2943236992212
610	60	44270	30998.85867303351	81.33137	31.70250766	39.15799752043065	-100.6901672	353967.16785705	335368.72503393	2873.3594063805243	2837.248414484924	2965.165200647117	105.93276149	93.2943236992212
611	60	44271	31658.85867303351	81.33137	31.70250766	39.1579953085884	-100.6878406	354168.19948976394	335366.325040328	2872.3594063805243	2836.248414484924	2964.165200647117	106.93276149	93.2943236992212
612	60	44272	32318.85867303351	81.33137	31.70250766	39.1579931271386	-100.685514	354369.230629064	335366.325040328	2871.3594063805243	2835.248414484924	2963.165200647117	107.93276149	93.2943236992212
613	60	44273	32978.85867303351	81.33137	31.70250766	39.1579909862908	-100.6831873	354570.2622946719	335366.325040328	2870.3594063805243	2834.248414484924	2962.165200647117</		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfBothKrg.ft	LatBoth.ft
693	4433	85778.85867307335	831337.3170250766	39.1576675385221	-100.4907577	70662.329069536656	4335340.549183142	2762.9986991439505	2702.4578022077235	2655.0710883079087	2654.921172759337	2654.921172759337	39.1687139991482	49.536629946386352
694	4434	86438.85867307335	831337.3170250766	39.15766188	-100.4947131	70853.3466562901	4335336.365485487	2762.9670289090848	2703.0579136343743	2643.960796604396	2642.5307990808403	2642.5307990808403	39.1791150370375	60.429496066263035
695	4435	87098.85867307335	831337.3170250766	39.1576576703579	-100.4904044	71054.370911325	4335332.917029661	2761.6318710729	2701.65181827547	2638.90384512593	2637.90384512593	2637.90384512593	39.1811706494743	64.7511384981322
696	4436	87758.85867307335	831337.3170250766	39.15764981	-100.4900778	71255.3904019485	4335325.65248445	2758.95123536657	2700.250152813997	2633.139475658039	2632.777993790336	2632.777993790336	39.1923799395937	65.672314784594
697	4437	88418.85867307335	831337.3170250766	39.15764381596264	-100.4877512	71456.016883774	4335324.68734289	2758.732794080184	2700.6334093550146	2634.4752105692073	2633.8202707586047	2633.8202707586047	39.19683939	65.0237319640992
698	4438	89078.85867307335	831337.3170250766	39.1576373071733	-100.4854246	71657.34058061415	4335320.72230516	2757.643420405043	2697.4360806653248	2634.2557715147623	2633.8164422161126	2633.8164422161126	39.1871130570066	63.62046648249175
699	4439	89738.85867307335	831337.3170250766	39.1576318613288	-100.4830098	71858.054589436	4335316.75465088	2756.921778677858	2696.029263837931	2634.5052547114396	2634.130453414929	2634.130453414929	39.1923799395937	61.89920052642225
700	4440	90398.85867307335	831337.3170250766	39.15762555	-100.4807714	72059.47040452913	4335312.792782004	2756.322821765516	2694.6268207165516	2633.0671050011336	2632.64278612517813	2632.64278612517813	39.1923799395937	59.94496944770344
701	4441	91058.85867307335	831337.3170250766	39.15761937456714	-100.4784274	72250.490962128	4335308.942986128	2755.36387310729	2693.2163697170825	2633.4392303021677	2632.89163858789	2632.89163858789	39.17777641481482	58.352981804345
702	4442	91718.85867307335	831337.3170250766	39.15761315184474	-100.4761182	72461.5096472214	4335304.86323831	2754.769251170024	2691.814757710024	2633.330027467017	2632.89481545836	2632.89481545836	39.16824204077	56.4822602518526
703	4443	92378.85867307335	831337.3170250766	39.157606884023794	-100.4737916	72662.5291102602	4335300.89976722	2753.75467401685	2690.496885190206	2633.060313218051	2634.56531448285	2634.56531448285	39.159550306977	55.8445536216558
704	4444	93038.85867307335	831337.3170250766	39.15760057162378	-100.47145	72863.544303324	4335296.393772925	2752.7061301343175	2689.009638438034	2634.473020907554	2633.70370991802	2633.70370991802	39.1543062725103	55.0726732
705	4445	93698.85867307335	831337.3170250766	39.1575942140468	-100.4691384	73064.5673332429	4335289.971954126	2751.8662539	2687.612257284534	2633.571601144792	2633.444395876723	2633.444395876723	39.1543062725103	54.6776306722146
706	4446	94358.85867307335	831337.3170250766	39.157587811646515	-100.4668118	73265.58671109483	4335285.08302217	2750.816374548535	2686.21746848358	2632.6969146323995	2632.72989705084	2632.72989705084	39.1543062725103	53.9348570982974
707	4447	95018.85867307335	831337.3170250766	39.15758138	-100.4644852	73466.6066957946	4335280.04852921	2749.964091299845	2684.833803719122	2631.999507786496	2631.435299072223	2631.435299072223	39.1543062725103	53.2359947896989
708	4448	95678.85867307335	831337.3170250766	39.15757487191305	-100.4621568	73667.624500543	4335281.01480616	2749.044889680236	2683.420021711873	2631.459915796783	2630.907196601387	2630.907196601387	39.1543062725103	52.52148245704757
709	4449	96338.85867307335	831337.3170250766	39.1575683437766	-100.459832	73868.6421255224	4335277.11838247	2748.09287	2682.03855167174	2631.278415986546	2630.925926060893	2630.925926060893	39.1543062725103	51.8045910627856
710	4450	96998.85867307335	831337.3170250766	39.157561752423454	-100.4575054	74069.6618031853	4335273.15142815	2747.06342972226	2680.6377270244275	2631.048831392023	2630.8686765318079	2630.8686765318079	39.1543062725103	49.7690515919406
711	4451	97658.85867307335	831337.3170250766	39.15755512527015	-100.4551788	74270.80827214956	4335269.19204261	2746.07546915845	2679.24070487151	2630.718823450833	2630.096625328577	2630.096625328577	39.1543062725103	49.14407763429403
712	4452	98318.85867307335	831337.3170250766	39.157548317785	-100.4528522	74471.69862014946	4335265.23020261	2745.08444177517	2677.8426347755717	2628.47835102743	2628.41458921043	2628.41458921043	39.1543062725103	48.4241765452858
713	4453	98978.85867307335	831337.3170250766	39.1574517361467	-100.4505256	74672.71684723231	4335261.2678113	2744.033291308305	2676.433296266166	2626.5112270094607	2625.45791	2625.45791	39.1543062725103	50.988345461657
714	4454	99638.85867307335	831337.3170250766	39.15743574917632	-100.448198	74873.7346535484	4335257.30530922	2743.0526236539922	2675.042579197185	2625.07227200647	2624.601513798222	2624.601513798222	39.1543062725103	54.2947949159568
715	4455	100298.85867307335	831337.3170250766	39.15741958746714	-100.445826	75074.75294082678	4335253.45420962	2742.0643621988238	2674.04361988238	2624.0737949438	2623.52737	2623.52737	39.1543062725103	61.4841144534416
716	4456	100958.85867307335	831337.3170250766	39.157321315415596	-100.4435458	75275.770904554	4335249.38128145	2741.0738665465	2672.2386656595	2624.216987129379	2623.603315953717	2623.603315953717	39.1543062725103	64.5425006482335
717	4457	101618.85867307335	831337.3170250766	39.1573141862849	-100.4412192	75476.7887	4335245.41925744	2688.02564962384	2700.829954119873	2624.4958827234058	2623.88126512826	2623.88126512826	39.1543062725103	66.848688808436
718	4458	102278.85867307335	831337.3170250766	39.15730747690249	-100.4389826	75677.80627577397	4335241.457945117	2685.67327180334	2669.42241439485	2620.50987407518	2621.954226251924	2621.954226251924	39.1543062725103	66.48218746970257
719	4459	102938.85867307335	831337.3170250766	39.15730049023759	-100.436566	75878.8278158138	4335237.49635814	2684.6716480738	2668.01306286944	2620.63514588084	2621.95251480624	2621.95251480624	39.1543062725103	67.6804713899415
720	4460	103598.85867307335	831337.3170250766	39.157349345863795	-100.4342364	76079.84167189344	4335233.532967748	2685.41954917097	2666.6017123105564	2620.137982362536	2621.717221940384	2621.717221940384	39.1543062725103	68.8440557023862
721	4461	104258.85867307335	831337.3170250766	39.1573381863795	-100.4319128	76280.8584919133	4335229.574293861	2686.3674584146965	2665.3674584146965	2620.0737933434	2621.717221940384	2621.717221940384	39.1543062725103	69.73901178692215
722	4462	104918.85867307335	831337.3170250766	39.157326006098	-100.429628	76481.8758248714	4335225.613373048	2687.61132948189	2664.71323019518	2620.059985	2621.717221940384	2621.717221940384	39.1543062725103	71.3997352413047
723	4463	105578.85867307335	831337.3170250766	39.1572709418921	-100.4272596	76682.89621189883	4335221.652513989	2688.0256236539922	2662.35918195115	2620.0737933434	2621.717221940384	2621.717221940384	39.1543062725103	73.53225102406782
724	4464	106238.85867307335	831337.3170250766	39.157468282999	-100.424933	76883.9092272329	4335217.69205674	2682.496631232496	2660.9414290151	2620.0737933434	2621.717221940384	2621.717221940384	39.1543062725103	75.8048510977986
725	4465	106898.85867307335	831337.3170250766	39.15745626531965	-100.4226064	77084.92631412757	4335213.731688471	2687.96350587236	2659.5371930842857	2620.6337918022996	2621.580490114276	2621.580490114276	39.1543062725103	78.4891407285816
726	4466	107558.85867307335	831337.3170250766	39.157425329513	-100.4202798	77285.942978037	4335209.7148713	2686.43979994216	2658.128969137923	2620.44166900457	2620.93914994968	2620.93914994968	39.1543062725103	84.15470428409435
727	4467	108218.85867307335	831337.3170250766	39.1574249191984	-100.4179532	77486.95895432702	4335205.81449891	2685.44038421765	2656.721919	2620.203934534762	2620.93914994968	2620.93914994968	39.1543062725103	87.8063789451015
728	4468	108878.85867307335	831337.3170250766	39.1574155580192	-100.415626	77687.975810784	4335201.81588479	2684.36719001029	2655.317639714948	2620.0737933434	2621.580490114276	2621.580490114276	39.1543062725103	90.0574868042319
729	4469	109538.85867307335	831337.3170250766	39.157428151951875	-100.4133	77888.99230112624	4335197.89189857	2683.52126498159	2653.916380837028	2620.2453701409017	2620.93914994968	2620.93914994968	39.1543062725103	92.4253496809305
730	4470	110198.85867307335	831337.3170250766	39.1574205709595	-100.4109734	78090.005372901	4335193.32829105	2682.46023442054	2652.5181207452933	2620.63420062448	2620.36569930329	2620.36569930329	39.1543062725103	94.15240381505423
731	4471	110858.85867307335	831337.3170250766	39.15741314292274	-100.4086468	78291.025489977	4335189.97308029	2682.26730936987	2651.122478226914	2620.991523567454	2621.704272552316	2621.704272552316	39.1543062725103	96.4876888587527
732	4472	111518.85867307335	831337.3170250766	39.15740557415986	-100.406302	78492.040557386	4335186.014	2680.99245317386	2649.71824169844	2620.30319157673	2621.4389110217659	2621.4389110217659	39.1543062725103	98.4182606
733	4473	112178.85867307335	831337.3170250766	39.1573987635175	-100.403938	78693.0564	4335182.05486419	2679.77799264950	2648.314957136097	2620.50373329958	2621.4389110217659	2621.4389110217659	39.1543062725103	100.759959839425
734	4474	112838.85867307335	831337.3170250766	39.15739026740884	-100.40167	78894.072	4335178.9064327	2678.60483421765	2646.901046	2620.203934534762				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatThKos.	SatThBoth.
79	44	4479	-319461.1413	831997.3170250766	39.15459593756223	-101.9255832	247198.32665892	438009.647718713	3874.728072253173	3763.50939093175825	3693.77231214515364	3765.098468	37.7070590704608	57.8109225488249
80	44	4480	-318801.1413	831997.3170250766	39.15461711640737	-101.9232569	247199.4620844719	438005.57453419	3875.88179	3761.99013857685	3692.505825896154	69.48428664	38.69807925011355	58.69807925011355
81	44	4481	-318181.1413	831997.3170250766	39.15463989321315	-101.9209635	247690.9270562307	437977.65775993	3877.035441698614	3760.54172896468	3691.6781324037983	68.7838153213793	39.89360083076996	59.89360083076996
82	44	4482	-317481.1413	831997.3170250766	39.154660439304074	-101.9180402	247801.7335564004	437997.428	3878.189126672625	3758.931201338989	3691.508255324005	3697.782538796493	67.14865506568871	61.14867166023897
83	44	4483	-316821.1413	831997.3170250766	39.154682033355584	-101.9162778	248002.86713117716	437993.355327744	3879.144281176695	3757.3900494877475	3691.7181525057026	3683.3366167172	65.6279693699493	62.0078332057058
84	44	4484	-316161.1413	831997.3170250766	39.154703362475776	-101.9139514	248204.00164711822	437989.265327731	3879.900451776352	3756.452579467178	3692.164120373687	3694.830121210096	63.6784557939745	61.01236383
85	44	4485	-315501.1413	831997.3170250766	39.1547250666464	-101.9116251	248405.1359135862	437985.20197106	3880.652595800103	3754.285049422158	3692.849722	3695.873646930907	65.43527818402584	58.40741332281474
86	44	4486	-314841.1413	831997.3170250766	39.15474654592209	-101.909287	248606.26939078756	437981.138	3881.415713816677	3752.71216730798	3693.431446166007	3698.4537506198073	61.28577440479092	54.26346620090764
87	44	4487	-314181.1413	831997.3170250766	39.154767960248165	-101.906963	248807.430989827	437977.65775993	3882.740281896214	3751.13772896468	3694.201517631359	3700.48726361667	63.63621133212719	56.65036534688996
88	44	4488	-313521.1413	831997.3170250766	39.15478932642774	-101.904646	249008.537128112	437972.95334192	3883.028152316452	3749.5449424733403	3695.042236981052	3697.302707448996	54.90727545723207	52.24278642895095
89	44	4489	-312861.1413	831997.3170250766	39.1548106410586	-101.9023196	249209.670488434	437968.92064349	3883.85200930309	3747.30504620173	3695.967679174903	3695.9580048126885	51.977997074839	51.977997074839
90	44	4490	-312201.1413	831997.3170250766	39.1548319363742	-101.8999932	249410.803147716	437964.85047563	3887.675821561262	3745.9973170856715	3696.40270292168	3695.4221051898817	49.59464111530367	50.5752811895789835
91	44	4491	-311541.1413	831997.3170250766	39.15485316823738	-101.8976669	249611.9362849716	437960.77062121	3889.129016169632	3743.4085478429327	3697.5537929715513	3696.135242972292	45.645475432815816	47.22804872075085
92	44	4492	-310881.1413	831997.3170250766	39.1548743790575	-101.8953405	249813.068018762	437956.70782704	3891.2115753762	3740.792994298926	3698.953001	3697.343930618913	41.83999752367254	43.458062368181345
93	44	4493	-310221.1413	831997.3170250766	39.15489550264245	-101.8930341	250014.2010889536	437952.636792575	3892.294175312512	3738.159598971576	3700.541795505147	3698.2984315927993	37.6679448210171	39.8562603435831
94	44	4494	-309561.1413	831997.3170250766	39.15491680247436	-101.8906787	250215.3131194023	437949.565898165	3893.376694889294	3735.49662635893	3702.224011625108	3701.547827887892	32.7285110178501	33.94838384711089
95	44	4495	-308901.1413	831997.3170250766	39.154937657320694	-101.8883614	250416.6406242864	437944.49518597	3894.55653867014	3732.818687811422	3704.072473837735	3704.69484389237	28.74441373684534	28.12204391868494
96	44	4496	-308241.1413	831997.3170250766	39.15495866726218	-101.886035	250617.5964323944	437940.42465992	3895.831531224657	3730.315286465538	3706.3142751862338	3708.2641852412123	23.8011012793042	21.851001534254534
97	44	4497	-307581.1413	831997.3170250766	39.15497963271825	-101.8837086	250818.72772703785	437936.35411391	3896.606607930304	3727.3922612593874	3708.586249074413	3710.27126174622	18.806636351946054	15.749949534725248
98	44	4498	-306921.1413	831997.3170250766	39.155005952349605	-101.8813822	251019.85876902967	437932.28411408	3898.648242901434	3724.649806578444	3711.962968065673	3715.470527675637	12.6865215712771035	9.3174958131280648
99	44	4499	-306261.1413	831997.3170250766	39.155021427495534	-101.8790569	251220.898564199	437928.2141462825	3898.1224227789543	3712.888858783448	3715.4343403755356	3718.940218109418	6.214859701723075	2.98472867403008
100	44	4500	-305601.1413	831997.3170250766	39.15504257770948	-101.8767295	251422.102134137	437924.14235969	3898.932419148043	3719.113344006653	3716.925038320445	3719.015698	1.6120856860726075	0.0974654417
101	44	4501	-304941.1413	831997.3170250766	39.15506392891694	-101.8744021	251629.0274245854	437920.074960132	3899.73038471425	3716.925038320445	3719.015698	3699.23989894	3719.015698	3699.23989894
102	44	4502	-304281.1413	831997.3170250766	39.15508378334143	-101.8720767	251824.804730125	437916.05228423	3898.54831025393	3713.52041104173	3702.9149820455226	3701.8257405639197	10.14518233650518	11.7046704725333
103	44	4503	-303621.1413	831997.3170250766	39.15510447875935	-101.8697503	252025.0102845047	437912.83594335	3898.98145724094	3710.720023139874	3697.3674314039877	3696.478410983314	13.65459210999885	14.243804105665181
104	44	4504	-302961.1413	831997.3170250766	39.15512512924516	-101.8674239	252226.6398	437907.86638861	3898.0597510183	3707.90727095174	3693.086750163909	3688.06469557682	14.81532011224917	19.84251739826997
105	44	4505	-302301.1413	831997.3170250766	39.15514537479883	-101.8650975	252427.769169085	437903.79705587	3897.314129293317	3705.0082484382535	3689.5541831420255	3686.2043129622808	24.80805101661402	24.80805101661402
106	44	4506	-301641.1413	831997.3170250766	39.15516625041034	-101.8627711	252628.8982452784	437899.729152534	3897.2001710764493	3702.275161931152	3688.056291392172	3684.1509673081424	16.21863379294997	28.169194893368877
107	44	4507	-300981.1413	831997.3170250766	39.155186911479445	-101.8604476	252830.0270474485	437895.695676719	3897.917317759293	3699.463576147476	3689.68505923698	3688.056291392172	14.338329866702643	30.6869269891024
108	44	4508	-300321.1413	831997.3170250766	39.1552078186468	-101.8581184	253031.155636861	437891.15217131	3897.91521771284	3697.54212227404	3687.445181356987	3689.23989894	12.91532537308228	12.91532537308228
109	44	4509	-299661.1413	831997.3170250766	39.15522707691466	-101.855792	253232.284000335	437887.53256773	3897.3141709882513	3693.8813779426087	3690.9487660745867	3686.175472884938	12.30261188021922	25.7050050576268
110	44	4510	-299001.1413	831997.3170250766	39.15524809	-101.8534566	253433.4120963812	437883.595124629	3899.688950443797	3691.1095802724045	3690.4919953244407	3687.175442140409	16.0175840481767	16.676190193
111	44	4511	-298341.1413	831997.3170250766	39.15526842543955	-101.8511392	253634.5398487986	437879.38046593	3898.026585158267	3688.3554137684073	3692.269042103183	3697.769053900736	10.6801665222001	8.59418918333689
112	44	4512	-297681.1413	831997.3170250766	39.155288715571636	-101.8488128	253835.6675702285	437875.32035963	3898.14562501304	3685.620458727769	3691.932975069485	3687.9431914726639	13.087148365253768	16.69040061064335
113	44	4513	-297021.1413	831997.3170250766	39.1553089166688	-101.8464884	254036.7949251514	437871.25284343	3898.26435	3682.907598724835	3684.535678695478	3688.9231406799626	18.2718160003472	13.98448040496887
114	44	4514	-296361.1413	831997.3170250766	39.1553291262262	-101.84416	254237.0220424564	437867.1552490484	3897.917317759293	3680.21328214125	3687.917317759293	3689.23989894	21.91532537308228	10.984001421711763
115	44	4515	-295701.1413	831997.3170250766	39.15534931905898	-101.841838	254438.0498021462	437863.18183922	3897.98842836508	3677.554112391487	3683.4775857210975	3675.15421367968	20.37681880518207	6.939988987
116	44	4516	-295041.1413	831997.3170250766	39.15536943067355	-101.8395072	254640.1755465481	437859.051369396	3897.970292923137	3674.9162194984183	3648.35363604036	3672.666801436947	26.651965818014667	2.294411542756234
117	44	4517	-294381.1413	831997.3170250766	39.1553894367325	-101.8371807	254841.3200462471	437851.97364415	3897.917317759293	3672.905732684466	3644.92676975678	3669.8784124551818	27.7388315157385	2.43094082326791
118	44	4518	-293721.1413	831997.3170250766	39.15540951816501	-101.8348543	255042.481951544	437849.9170364415	3897.96220143934	3661.3826343135	3641.386463439155	3665.703059017389	28.36476891949749	4.07173572024331
119	44	4519	-293061.1413	831997.3170250766	39.15542949466474	-101.8325279	255243.5541015612	437845.9186987	3897.76891089348	3667.1608927306515	3638.0456470417666	3662.180326	29.11524568794857	4.980567405431728
120	44	4520	-292401.1413	831997.3170250766	39.15544942623181	-101.8302015	255444.6797656723	437842.765214584	3897.693084189435	3664.43730081706	3636.750363981394	3662.75868972296	29.7687586972296	36.7587586972296
121	44	4521	-291741.1413	831997.3170250766	39.15546936105898	-101.827881	255645.891545676	437838.653021937	3897.544369204187	3659.624078152973	3628.907488125679	3659.309242547096	30.71696909809056	0.51521519680051
122	44	4522	-291081.1413	831997.3170250766	39.155489313634	-101.8255223	255848.0553662935	437834.57380587	3897.3751034748487	3657.15963136322	3626.387636666666	3658.9224452279177	30.71726265956502	0.51521519680051
123	44	4523	-290421.1413	831997.3170250766	39.1555089133634	-101.8232223	256048.0553662935	437830.587	3897.2092830117	3654				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatThtLogs.f	SatThtBoth.f
195	61	44605	-236301.1413	831997.3170250766	39.156993979661051	-101.624524	272539.4975439495	4337497.798799419	3481.612972392024	346.63892757969064	3418.294165409827	3418.414138989194	28.34564216977924	28.225696990412406
206	61	44606	-235641.1413	831997.3170250766	39.156995443833175	-101.6301299	272740.31037172311	4337493.747730719	3475.992041	3443.502496829826	3411.523485811259	32.17908652684006	32.401137116807095	32.17908652684006
207	61	44607	-234861.1413	831997.3170250766	39.157011466120174	-101.627794	27281.70860604296	4337489.865343494	3471.7883745219975	3441.21270547414	3408.538765827245	3408.233689	32.88391618467974	32.873013650272526
208	61	44608	-234321.1413	831997.3170250766	39.157027443471149	-101.6254728	27312.8136053025	4337485.646132506	3469.001191330275	3438.5035112385276	3404.2809941107844	3406.903022895654	30.2225117274323	30.33812101
209	61	44609	-233661.1413	831997.3170250766	39.157043375887106	-101.6231463	273343.918571804	4337481.59598183	3466.215585323856	3435.796944477116	3407.7299802236357	3407.807186134146	26.066646253530386	27.989827863751543
210	61	44610	-233001.1413	831997.3170250766	39.1570633336694	-101.6208196	273545.0236772304	4337477.545204366	3463.0911289570464	3406.543699204524	3406.543699204524	3406.543699204524	26.334435224457	26.334435224457
211	61	44611	-232341.1413	831997.3170250766	39.15707510591101	-101.6184933	273746.127407127	4337475.495095095	3461.6522331471293	3430.3864852579217	3405.466853131542	3406.0480147347984	24.9196243927304	24.33846714212305
212	61	44612	-231681.1413	831997.3170250766	39.15709009331927	-101.6161668	273947.23199025914	4337469.445	3460.884791147287	3427.089665349008	3405.877821	3405.877821	20.2773737259582	20.2773737259582
213	61	44613	-231021.1413	831997.3170250766	39.157110665619168	-101.6138493	274148.3386165668	4337465.22859312	3460.884791147287	3424.9762975745	3404.9762975745	3404.9762975745	18.250365366211342	18.250365366211342
214	61	44614	-230361.1413	831997.3170250766	39.15712235302824	-101.6115138	274349.43891984037	4337461.345574069	3459.34694440003164	3404.752975657004	3405.9071102542607	3405.9071102542607	17.4739713731294	15.3554810055657
215	61	44615	-229701.1413	831997.3170250766	39.15713803	-101.6091872	274595.54340028565	4337457.296	3457.7205118218026	3419.5770917761255	3403.484862506215	3403.484862506215	16.0856525503981	13.64505576921825
216	61	44616	-229041.1413	831997.3170250766	39.15715364459365	-101.6068607	274751.6467581059	4337453.267797979	3455.229622812324	3416.8703232327	3402.914377381625	3402.914377381625	14.964154619416473	10.6980648458475
217	61	44617	-228381.1413	831997.3170250766	39.15716967122416	-101.6045342	274952.748993507	4337449.197697357	3452.7388532078324	3414.1722654493937	3403.092077030283	3403.092077030283	13.0884862656596	7.334588841124059
218	61	44618	-227721.1413	831997.3170250766	39.157184745515195	-101.6022707	275153.8528066933	4337445.18713366	3450.2480248202446	3411.4751304281945	3403.2721363111484	3403.2721363111484	12.2923994233	3.57383028772106
219	61	44619	-227061.1413	831997.3170250766	39.1572022857197	-101.5998812	275354.954987767	4337441.09996122	3448.58621383633	3408.7936059272	3403.354752869453	3406.28671517401	5.249607726215527	24.92689075130637
220	61	44620	-226401.1413	831997.3170250766	39.15721566969268	-101.5975456	275556.057967245	4337437.051389714	3447.700344	3406.08475213109	3403.267952914271	3405.5076809003	2.81672239	0.577607121061906
221	61	44621	-225741.1413	831997.3170250766	39.15723105887735	-101.5952281	275757.1602150196	4337430.02952041	3446.8321652639414	3403.389261	3402.9926544047484	3403.97542928776	0.39660862530075064	0
222	61	44622	-225081.1413	831997.3170250766	39.1572460412589	-101.5929016	275958.26224139833	4337428.95	3445.9639677791934	3400.6916438004068	3403.0336294945064	3407.77970137513	0	0
223	61	44623	-224421.1413	831997.3170250766	39.15726711143832	-101.5905751	276159.360465888	4337424.906647957	3452.5261642693044	3397.991741702985	3402.41800607713	3415.81050189047	0	0
224	61	44624	-223761.1413	831997.3170250766	39.15727696981459	-101.5882485	276360.4656307908	4337420.858760531	3461.518951845751	3395.289424	3401.646954	3423.5045048120816	0	0
225	61	44625	-223101.1413	831997.3170250766	39.1572921325465	-101.585922	276561.5696942515	4337416.011049507	3480.511226021968	3392.5845035024818	3404.747601447916	3411.152936027886	0	0
226	61	44626	-222441.1413	831997.3170250766	39.15730735	-101.5835955	276762.66138717026	4337412.76334816	3494.507569986427	3389.67699554864	3399.884350542201	3401.74607798986	0	0
227	61	44627	-221781.1413	831997.3170250766	39.15732245326212	-101.581204	276976.9129124527	4337408.11547402	3482.168523291315	3388.653291305734	3393.64548646796	3387.61353676954	0	0
228	61	44628	-221121.1413	831997.3170250766	39.1573375356745	-101.578924	277164.86976185255	4337404.66987473	3508.953274622226	3384.4533019412183	3397.9397432405753	3443.1445590127527	0	0
229	61	44629	-220461.1413	831997.3170250766	39.157352567652476	-101.5766159	277385.9702442037	4337400.619692845	3513.922147815392	3381.7373060295884	3396.549872	3404.129554770116	0	0
230	61	44630	-219801.1413	831997.3170250766	39.157367576411116	-101.5742984	277567.0706978634	4337396.57140159	3518.809990873645	3379.018212111832	3395.4348403507106	3411.158748401901	0	0
231	61	44631	-219141.1413	831997.3170250766	39.15738250233526	-101.5719628	277768.1706489436	4337392.5284873955	3522.8170230695025	3376.296932304657	3394.3101653941826	3422.938350525713	0	0
232	61	44632	-218481.1413	831997.3170250766	39.157397419119484	-101.5696363	277969.2703735413	4337388.482010981	3525.685250002208	3373.573245050363	3392.7483391581785	3401.354365606346	0	0
233	61	44633	-217821.1413	831997.3170250766	39.15741272306889	-101.5673096	278176.269878973	4337384.4353170807	3529.846961549813	3371.61604148748	3391.16104148748	3418.120487118856	0	0
234	61	44634	-217161.1413	831997.3170250766	39.15742702630032	-101.5649832	278371.6749633718	4337380.389871699	3531.4316856678184	3368.1111627337	3393.037656022437	3413.084901022305	0	0
235	61	44635	-216501.1413	831997.3170250766	39.15744185	-101.5626567	278572.5685306052	4337376.343639762	3526.824914264187	3365.367204942879	3388.9548305791823	3409.883575125954	0	0
236	61	44636	-215841.1413	831997.3170250766	39.15745665239884	-101.5603302	278773.6748796833	4337372.29786678	3514.736884611313	3362.65705274880862	3387.7970454217766	3406.949478890384	0	0
237	61	44637	-215181.1413	831997.3170250766	39.15747123950242	-101.5580036	278974.7629008006	4337368.252273907	3502.649277796208	3359.926270367475	3385.889561499555	3404.2831501678065	0	0
238	61	44638	-214521.1413	831997.3170250766	39.15748586876944	-101.5556771	279175.8647209312	4337364.207	3490.561670981103	3357.1935998175272	3385.10978037314	3401.959222359171	0	0
239	61	44639	-213861.1413	831997.3170250766	39.157500453099885	-101.5533505	279376.963014413	4337360.161367323	3494.568751661195	3354.48502701985	3384.22271483897	3429.447738571728	0	0
240	61	44640	-213201.1413	831997.3170250766	39.15751492435745	-101.5514024	279576.9129124527	4337356.11547402	3472.17537111258	3351.72031789478	3383.64548646796	3387.61353676954	0	0
241	61	44641	-212541.1413	831997.3170250766	39.15752946659014	-101.548975	279787.1589401457	4337352.016758117	3465.614410236367	3349.979119128576	3383.2411991302747	3394.688721668948	0	0
242	61	44642	-211881.1413	831997.3170250766	39.157543936471484	-101.5463709	279980.256951480	4337348.027	3458.0530273015326	3346.236031555924	3383.075134549204	3394.825013	0	0
243	61	44643	-211221.1413	831997.3170250766	39.15755834105533	-101.5440444	280181.35041595884	4337343.98240758	3511.4087074525835	3343.49021292885	3382.61441766838	3393.790486100957	0	0
244	61	44644	-210561.1413	831997.3170250766	39.15757270072046	-101.5417178	280382.451223842	4337339.380406681	3445.61450692682	3340.745331904896	3383.097206234561	3393.171584854784	0	0
245	61	44645	-209941.1413	831997.3170250766	39.15758701541995	-101.5393913	280583.5483142837	4337335.89360147	3394.5491393401447	3338.03303094911	3384.537274637006	3392.876940193667	0	0
246	61	44646	-209241.1413	831997.3170250766	39.15760128519352	-101.537047	280784.645088455	4337331.85	3434.226937183183	3335.26352853797	3386.186389770523	3392.1853756975208	0	0
247	61	44647	-208581.1413	831997.3170250766	39.15761592463032	-101.534789	280987.269878973	4337327.949019036	3427.949019036	3332.78019890752	3383.2819890752	3393.2819890752	0	0
248	61	44648	-207921.1413	831997.3170250766	39.15762796993702	-101.5324116	281186.8378987506	4337323.762364035	3447.86425469492	3329.7871700151	3380.963497070482	3393.963497070482	0	0
249	61	44649	-207261.1413	831997.3170250766	39.15764382489339	-101.5300851	281387.3841149053	4337319.718884459	3458.86458079016	3327.055066031657	3394.8088971222783	3397.6937653440466	0	0
250	61	44650	-206601.1413	831997.3170250766	39.15765791491958	-101.5277585	281589.0300254004	4337315.671895085	3469.85515585304	3324.32549669903	3398.3769242638	3399.792562	0	0
251	61	44651	-205941.1413	831997.3170250766	39.15767196000891	-101.525452	281790.125704439	4337311.63245393	3474.655544817097	3321.597478975975	3401.064714583354	3401.76626542837	0	0
252	61	44652	-205281.1413	831997.3170250766	39.15768590016131	-101.5231054	281991.2212	4337307.58930102	3472.665001758527	3318.87675				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SatHtElevLogsKrg.ft	SatHtBothKrg.ft
331	47	44731	-153141.1413	831997.3170250766	39.15864996938892	-101.3393052	297877.1015911607	4336988.752541858	3368.860779787652	3207.380692893073	3144.1365396261818	3176.6368908267953	3244.155966888684	30.743711966335013
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485	41	44885	-51561.14133	831997.3170250766	39.15972260490493	-100.9810068	328841.9378774715	343637.36918693	3106.892975764925	2991.3954337174837	2931.4841884387374	2931.6436772027996	56.73598897098628	56.73598897098628
486	41	44886	-50841.14133	831997.3170250766	39.15972604845456	-100.9786739	329042.088178703	343637.36726713	3106.552791200217	2991.3954337174837	2931.4841884387374	2931.6436772027996	56.73598897098628	56.73598897098628
487	41	44887	-50181.14133	831997.3170250766	39.15972984784968	-100.9763472	329243.1391930034	343636.365511113	3107.3400630229963	2982.973581833465	2931.246493034334	2931.3940402141334	51.7382978991308	51.7382978991308
488	41	44888	-49521.14133	831997.3170250766	39.159732343309	-100.9740205	329444.1860020364	343636.378660427	3106.71473276963	2981.38267930774	2930.26013900467	2930.26013900467	51.11635407267314	51.11635407267314
489	41	44889	-48861.14133	831997.3170250766	39.15973659	-100.9716839	329645.2398405314	343635.3622292	3105.06222655259	2979.815471531413	2928.359578	2928.359578	51.55493541474184	51.55493541474184
490	41	44890	-48201.14133	831997.3170250766	39.15973989647749	-100.9693672	329846.2994814835	343635.361290458	3112.839302335034	2978.72482373487	2925.8840273972355	2925.8840273972355	52.394989883022	52.394989883022
491	41	44891	-47541.14133	831997.3170250766	39.15974315613842	-100.9676005	330004.336622599	343635.3622292	3115.162817091632	2976.76803289838	2922.828911108829	2922.828911108829	54.13639827502099	54.13639827502099
492	41	44892	-46881.14133	831997.3170250766	39.1597463708562	-100.964738	330249.3839	343634.254936	3116.892975764925	2975.2724071826494	2919.477748306491	2919.477748306491	54.13639827502099	54.13639827502099
493	41	44893	-46221.14133	831997.3170250766	39.159749540623775	-100.9623871	330494.4931388234	343633.36838831	3110.815916330515	2973.8075759848	2916.70512659126	2916.70512659126	54.13639827502099	54.13639827502099
494	41	44894	-45561.14133	831997.3170250766	39.15975266547618	-100.9600604	330650.4858496014	343633.35810396	3109.64265941528	2972.36938426773	2915.165051	2915.165051	52.10872726065	52.10872726065
495	41	44895	-44901.14133	831997.3170250766	39.15975554733715	-100.9577338	330851.5378	343633.358	3109.64265941528	2972.36938426773	2915.165051	2915.165051	52.10872726065	52.10872726065
496	41	44896	-44241.14133	831997.3170250766	39.15975878	-100.9554071	331052.586735142	343632.35756024	3104.859432436717	2969.5439178203933	2916.29879698067577	2916.29879698067577	52.10872726065	52.10872726065
497	41	44897	-43581.14133	831997.3170250766	39.159761737034623	-100.9530804	331253.637875937	343632.35756024	3106.781895551376	2968.64834290219	2916.47819015812	2916.47819015812	51.6820242744071	51.6820242744071
498	41	44898	-42921.14133	831997.3170250766	39.15976471521181	-100.9507103	331454.684537957	343631.37055052	3106.781895551376	2968.64834290219	2916.47819015812	2916.47819015812	51.6820242744071	51.6820242744071
499	41	44899	-42261.14133	831997.3170250766	39.15976769594148025	-100.948469	331655.731213096	343630.35810396	3104.859432436717	2969.5439178203933	2916.29879698067577	2916.29879698067577	51.6820242744071	51.6820242744071
500	41	44900	-41601.14133	831997.3170250766	39.15977047047441	-100.9461033	331856.78154134226	343629.35810396	3104.859432436717	2969.5439178203933	2916.29879698067577	2916.29879698067577	51.6820242744071	51.6820242744071
501	41	44901	-40941.14133	831997.3170250766	39.15977328100073	-100.9437738	332057.829797981	343629.35810396	3104.859432436717	2969.5439178203933	29			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft	
708	61	45109	96338.85867307335	831997.3170250766	39.15938097688937	-100.4598235	373872.60805949254	4335478.276394421	2688.9807725245773	2681.51185068928443	2630.0580528518435	2629.6557422290886	45.3579798410078	51.856108083457564
710	61	45110	96388.85867307335	831997.3170250766	39.15937435450281	-100.4574989	374073.62647055904	4335474.13311615	2680.862319	2680.113460169842	2628.562150263551	2628.467246262366	51.5252099091591	51.851601360752224
711	61	45111	96388.85867307335	831997.3170250766	39.15938267118683	-100.4581702	374274.64476052046	4335478.276394421	2678.719680656175	2678.219680656175	2628.548212570081	2628.548212570081	52.16848438011414	52.16848438011414
712	61	45112	96388.85867307335	831997.3170250766	39.15937004942564	-100.4528346	374476.8004942564	4335466.387626339	2680.8148610850754	2680.8148610850754	2623.30446256339	2623.30446256339	54.01147410909596	53.95865304909328
713	61	45113	96978.85867307335	831997.3170250766	39.15935437772396	-100.4505169	374676.8008766217	4335462.425097714	2682.83223821866	2675.820023429454	2618.339895974547	2618.2805352828614	57.5801727	57.43488845996406
714	61	45114	96938.85867307335	831997.3170250766	39.159347615582305	-100.4481903	374877.6890361503	4335458.704627048	2684.7520687410151	2610.8313353778885	2610.4644841601903	2610.835246316232	64.05620386808056	64.05620386808056
715	61	45115	100298.85867307335	831997.3170250766	39.15934080805055	-100.4453636	375078.71771090923	4335454.500438362	2684.304366980035	2673.1203664526274	2600.696741083033	2599.7622092830928	72.4236413434238	73.35815716895204
716	61	45116	100958.85867307335	831997.3170250766	39.15933366647533	-100.4435639	375279.73449619196	4335450.33843568	2686.12734238105	2671.7188115971285	2592.776615275222	2591.402980708081	78.49219634	80.3183100904745
717	61	45117	101618.85867307335	831997.3170250766	39.15932766951345	-100.4412103	375480.7506202678	4335456.3785657928	2678.3659617816184	2670.3157947648683	2592.1689878405468	2592.1689878405468	78.49219634	80.3183100904745
718	61	45118	102278.85867307335	831997.3170250766	39.15932011771145	-100.4388638	375681.769044555	4335442.6185657928	2678.3787983240253	2668.911469328227	2592.89568104393	2592.89568104393	78.49219634	80.3183100904745
719	61	45119	102938.85867307335	831997.3170250766	39.159313130769455	-100.436557	375882.786843395	4335438.63328272	2674.0653106905671	2593.455325996118	2592.7707431791214	2592.7707431791214	74.3515392942662	74.3515392942662
720	61	45120	103598.85867307335	831997.3170250766	39.1593061	-100.4342203	376083.8040419415	4335434.391694036	2674.4258585842434	2666.08961593356	2595.4881983725033	2594.8754743139792	67.610672205285	71.22286727337687
721	61	45121	104258.85867307335	831997.3170250766	39.159299202256355	-100.4319037	376284.82112966356	4335430.37077553	2674.7658581	2664.6901614742364	2599.85867835582	2600.481936385277	65.2401368734406	65.2401368734406
722	61	45122	104918.85867307335	831997.3170250766	39.1592919060332	-100.42957	376485.830980672	4335426.76793412	2675.146136270497	2666.279837960674	2604.963012600508	2604.7932215603464	68.3168118600944	68.486422252079
723	61	45123	105588.85867307335	831997.3170250766	39.15928473401028	-100.427203	376686.8549840781	4335422.80892163	2676.12070978491	2661.87044884532	2608.527544474376	2608.527544474376	69.58483872427657	69.58483872427657
724	61	45124	106238.85867307335	831997.3170250766	39.15927752245927	-100.4248237	376887.87167917914	4335418.84825116	2670.183689186653	2660.463308059655	2611.103242637897	2611.103242637897	69.58483872427657	69.58483872427657
725	61	45125	106898.85867307335	831997.3170250766	39.1592706597731	-100.422587	377088.8882918158	4335418.87754946	2668.75629044655	2659.0581361955824	2611.710843624044	2611.710843624044	69.58483872427657	69.58483872427657
726	61	45126	107558.85867307335	831997.3170250766	39.159262964553396	-100.4202704	377289.8947861944	4335410.927	2666.3269069192766	2657.654830925957	2611.07194848267167	2611.07194848267167	68.50827641026976	68.50827641026976
727	61	45127	108218.85867307335	831997.3170250766	39.159256618193555	-100.4179437	377490.921625148	4335406.967277511	2661.88510578022	2656.252671326765	2608.886282301416	2608.709087816556	66.36304309625915	66.54358310610915
728	61	45128	108858.85867307335	831997.3170250766	39.159248226891776	-100.4156171	377691.932409855	4335403.007297227	2662.429859618414	2654.8527829378973	2608.2265754573746	2608.2265754573746	65.2401368734406	65.2401368734406
729	61	45129	109538.85867307335	831997.3170250766	39.15924079065008	-100.4132984	377893.953618097	4335399.07489221	2662.674985	2653.465704135447	2606.350930697376	2606.2115771893007	64.10504706790198	64.21426295
730	61	45130	110158.85867307335	831997.3170250766	39.15923330496854	-100.4109638	378093.9658519076	4335395.6785348	2663.519470418595	2652.601782554391	2604.33998	2604.2627470432447	64.10504706790198	64.21426295
731	61	45131	110778.85867307335	831997.3170250766	39.15922591367835	-100.4086986	378293.978513347	4335391.62526111	2664.595737044422	2651.1997844893827	2598.754916400536	2598.890112835407	62.4568786339798	62.4568786339798
732	61	45132	111158.85867307335	831997.3170250766	39.1592182122578	-100.4063105	378496.010280454	4335387.16908787	2662.293611	2649.2752252722834	2600.37686319698	2600.3058415187723	48.8973625255257	48.963909051131
733	61	45133	111778.85867307335	831997.3170250766	39.15921058624645	-100.4038839	378697.01865272746	4335383.299978908	2661.2947260771153	2647.375008080697	2598.93536960759	2598.9312005881874	48.8973625255257	48.963909051131
734	61	45134	112388.85867307335	831997.3170250766	39.15920295343664	-100.4016572	378898.0305838356	4335379.251033056	2660.2945990114017	2646.4552929531667	2597.8179552666675	2597.836505153589	48.8973625255257	48.963909051131
735	61	45135	113498.85867307335	831997.3170250766	39.15919522462486	-100.3993305	379099.047647206	4335375.292258259	2660.305505314017	2597.2863454513728	2597.37388949455	2597.37388949455	47.7641909173006	47.7641909173006
736	61	45136	114158.85867307335	831997.3170250766	39.1591847864223	-100.3970303	379300.0367064073	4335371.336565217	2661.3326024414704	2643.6287412644415	2597.098033659497	2597.098033659497	46.5307051094455	46.5307051094455
737	61	45137	114818.85867307335	831997.3170250766	39.15917396186135	-100.3946772	379501.078776502	4335367.95226111	2662.356957869828	2642.1997844883827	2596.754916400536	2596.754916400536	45.2468786339798	45.2468786339798
738	61	45138	115478.85867307335	831997.3170250766	39.15916217941819	-100.3923217	379702.158	4335363.419861985	2663.330710090367	2640.570513309924	2594.73121418424	2594.73121418424	44.15171884745	44.15171884745
739	61	45139	116138.85867307335	831997.3170250766	39.15915366541704	-100.3900239	379903.108544507	4335359.45888247	2663.974267236071	2639.318677236071	2592.2643931224184	2593.96518224337	43.05383113652546	43.05383113652546
740	61	45140	116798.85867307335	831997.3170250766	39.15914602596201	-100.3876793	380104.1234046526	4335355.00069831	2664.136611455774	2637.8653166172935	2594.311837519594	2594.311837519594	42.4534794565468	42.4534794565468
1	62	45141	-370941.1413	826257.3170250766	39.1545748365993	-102.107067	321513.0622557113	4338525.211430522	3982.35400430106	3798.586923790085	3790.020268852876	3790.020268852876	64.30423156481856	64.30423156481856
2	62	45142	-370281.1413	826257.3170250766	39.154599817643415	-102.1047407	321714.2174130897	4338529.124	3988.972417379828	3862.07678283964	3790.123252007853	3790.123252007853	71.87561348882064	71.87561348882064
3	62	45143	-369621.1413	826257.3170250766	39.15462050698078	-102.1024414	321915.3726054627	4338521.36840612	3980.689241076252	3781.148983	3789.649789004927	3789.649789004927	79.4394720738947	79.4394720738947
4	62	45144	-368961.1413	826257.3170250766	39.15465011828179	-102.1000891	322116.5271338558	4338519.851284123	3985.193551224442	3770.353213634702	3770.353213634702	3770.353213634702	89.2161212801776	89.2161212801776
5	62	45145	-368301.1413	826257.3170250766	39.15467525002054	-102.0977618	322317.8626012364	4338512.86293192	3980.863921786555	3768.21545420818	3777.6566833957436	3777.6566833957436	100.3921300184105	100.3921300184105
6	62	45146	-367641.1413	826257.3170250766	39.1547003	-102.0954355	322518.8370223813	4338508.75791652	3985.0022623	3856.72740004064	3744.3811692148197	3744.3811692148197	113.358710918644	113.358710918644
7	62	45147	-366981.1413	826257.3170250766	39.154725313627004	-102.0931092	322719.9187198104	4338504.68919824	4005.629561515798	3728.653611232554	3726.169626317566	3726.169626317566	126.7528190317663	126.7528190317663
8	62	45148	-366321.1413	826257.3170250766	39.154750278036595	-102.0907829	322921.1450716848	4338500.602782875	4004.0847611373023	3854.0842484961695	3738.3232626017046	3738.3232626017046	141.7273805569323	141.7273805569323
9	62	45149	-365661.1413	826257.3170250766	39.15477519751706	-102.0884565	323122.2986961095	4338495.61584628	4002.5398711237067	3850.761978923884	3750.265514017634	3750.265514017634	150.8934273346103	150.8934273346103
10	62	45150	-365001.1413	826257.3170250766	39.15480007	-102.0861302	323323.4520519653	4338492.43048642	4000.95026199507	3851.439461553256	3760.83567971347	3760.83567971347	160.938351905293	160.938351905293
11	62	45151	-364341.1413	826257.3170250766	39.1548250199031	-102.083891	323524.654610458	4338489.503576	4000.000000000001	3852.53532278	3769.63532278	3769.63532278	171.9320253675353	171.9320253675353
12	62	45152	-363681.1413	826257.3170250766	39.154849638301	-102.081476	323735.7578563608	4338484.						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogs.ft	BRIElevKgr.ft	SatHtLogs.ft	SatHtKgr.ft
95	42	45235	-308901.1413	832657.3170250766	39.156750167954096	-101.8883884	554020.5416775149	4338145.766	3860.324861	3732.013006738559	3700.968504587774	3698.639131526342	31.044050215704865	33.3738751221672
96	42	45236	-308241.1413	832657.3170250766	39.156711194262054	-101.8880619	550261.67302507712	4338141.6948193	3859.265177939842	3729.5469640429256	3703.4087647438173	3703.687461410961	25.915921659105335	25.63824992364386
97	42	45237	-307681.1413	832657.3170250766	39.15673213836905	-101.8837356	546822.8041336345	4338152.64290546	3858.201883335895	3726.609975935584	3706.63771763872	3707.461481292874	19.97203714857187	19.144891264309996
98	42	45238	-306621.1413	832657.3170250766	39.156813004570075	-101.8814091	550213.93499139065	4338153.58367797	3857.138092771927	3723.870773195766	3710.3433980805668	3708.760739621191	13.5273734901078	15.11030677
99	42	45239	-306261.1413	832657.3170250766	39.15683366025203	-101.8790826	551225.0656025512	4338129.64304537	3855.3411253736995	3721.1094661134803	3714.4086450118907	3714.496404013981	6.70082110589554	6.61306209949075
100	42	45240	-305601.1413	832657.3170250766	39.15685479093904	-101.8767562	551246.19596732184	4338153.4138715	3852.8094416251074	3718.329496	3715.620402460012	3716.52421460768	2.79093104638668	1.8052817136710058
101	42	45241	-304941.1413	832657.3170250766	39.15687557680268	-101.8744297	551627.3600590227	4338121.34700451	3850.2771801710024	3715.586446404083	3709.133723821464	3709.590407323410325	6.4029210782618975	6.45959181738801
102	42	45242	-304281.1413	832657.3170250766	39.15689631767832	-101.8721033	551828.45958581121	4338171.27399616	3847.746071472537	3712.728215214524	3702.4568661119047	3700.790511282841	12.3149102619297	12.117028689806
103	42	45243	-303681.1413	832657.3170250766	39.15691701362078	-101.8697768	552029.5685354042	4338153.04200242	3844.659187082585	3709.9678318771448	3698.7475135199743	3691.689738929611	13.185181457466919	13.1810192681328318
104	42	45244	-302961.1413	832657.3170250766	39.15693754642295	-101.8674504	552230.1746659322	4338109.15123123	3841.0170967176367	3707.080352598104	3691.969596962458	3688.787178623587	15.1749251165884	15.23017397423044
105	42	45245	-302301.1413	832657.3170250766	39.15695827070587	-101.8651239	552431.84410249161	4338105.0549849	3837.70554053092	3704.205196042734	3688.11833603763	3679.61624041234	16.13213600051631	24.638071304557
106	42	45246	-301641.1413	832657.3170250766	39.15697883184849	-101.8627975	552632.9729932203	4338100.99658517	3833.732916128982	3710.42028041927	3684.4851970665454	3674.063807433469	17.35914099857906	27.35914099857906
107	42	45247	-300981.1413	832657.3170250766	39.15699934805776	-101.860471	552834.101639004	4338096.92139219	3829.61384211331	3698.6029252669976	3681.775740459587	3670.59576999756	16.8278112184689	28.007155272131513
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138	42	45278	-279961.1413	832657.3170250766	39.15763214717299	-101.786024	559270.0902939122	4337968.91649781	3757.3127265110322	3619.57963802942	3607.8800711213437	3612.8371703162975	11.69953267880773	6.74243348664458
139	42	45279	-279201.1413	832657.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BRIEveLogKg.ft	BRIEveBothKg.ft	SatThLog.s	SatThBoth.ft
221	62	45361	-225741.1413	832657.3170250766	39.15904364863911	-101.5952479	27576.1238242292	4337634.244351055	3454.36409328478	3404.498134079504	3405.348676461787	3412.823542359075	0	0
222	62	45362	-225081.1413	832657.3170250766	39.15905899727669	-101.5952913	275962.3156671629	4337630.198989274	3453.6904028761153	3401.528652216306	3405.0897724932357	3415.300186201026	0	0
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224	62	45364	-223761.1413	832657.3170250766	39.15900959740025	-101.5882811	276364.5186989480	4337622.095904154	3474.893080026135	3396.475302008090	3403.5444569391757	3425.804563548094	0	0
225	62	45365	-223011.1413	832657.3170250766	39.1591047356572	-101.5859415	276565.6186968634	4337618.01567779	3487.578985080268	3393.7932488337236	3402.6499170362054	3431.64992195855	0	0
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227	62	45367	-221781.1413	832657.3170250766	39.15913056604051	-101.5812883	276967.8215681779	4337609.956249215	3511.3567149676714	3388.42010284062	3400.508753821052	3442.556415460503	0	0
228	62	45368	-221121.1413	832657.3170250766	39.15915014541854	-101.5789818	277168.922087039	4337605.909	3517.85362524584	3385.7349106631075	3399.6582874234405	3445.4045894491336	0	0
229	62	45369	-220461.1413	832657.3170250766	39.1591657948464	-101.5766352	277370.0222863073	4337601.851827953	3524.3814774819846	3383.042108667965	3397.43682157769584	3440.240384623714	0	0
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243	62	45383	-211221.1413	832657.3170250766	39.159369811287	-101.543719	280143.985097183	4337545.096507188	3464.954320588851	3348.640874474754	3394.655203244128	0	0	
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264	62	45404	-197361.1413	832657.3170250766	39.15965630136162	-101.495204	284408.3959707088	4337456.32005054	3458.66766532019	3320.478081134733	3314.2020633683392	3270.2740286257	0	0
265	62	45405	-196701.1413	832657.3170250766	39.15967467776159	-101.4928774	284609.4884874068	4337456.279154298	3454.986075479964	3285.832830365893	3308.7620174709945	3256.597002812764	0	0
266	62	45406	-196041.1413	832657.3170250766	39.15968799490438	-101.4905508	284810.39849711064	4337452.23845923	3383.195051141329	3302.768494821462	3258.1331412529	3256.362778854694	0	0
267	62	45407	-195381.1413	832657.3170250766	39.15970317547614	-101.4882241	285011.672842028	4337448.1979416385	3448.11001340448	3277.50052393003	3297.7583088419783	3264.7545588240003	0	0
268	62	45408	-194721.1413	832657.3170250766	39.159716465970706	-101.4858975	285212.7647473326	4337444.157999734	3445.408951	3280.54451437916	3329.1181712436273	3260.700458240003	0	0
269	62	45409	-194061.1413	832657.3170250766	39.15972963526754	-101.4836798	285413.6564359123	4337440.11734014	3447.76977854912	3275.623976841278	3286.69862924227	3257.623976841278	0	0
270	62	45410	-193401.1413	832657.3170250766	39.15974285144276	-101.481243	285614.9478071335	4337436.077	3440.006843525024	3270.7150895092	3280.909525	3272.923637220823	0	0
271	62	45411												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurfBothKrg.ft	SatBothKrg.ft
347	45	45487	-142581.1413	832657.3170250766	39.16062386744453	-101.3020918	310108.3711907233	43371.2556992142	3372.827093608386	3202.960578902128	3163.232749248289	3192.1706838249097	3277.62785393808	10.78989307218494
348	45	45488	-141921.1413	832657.3170250766	39.160633373796375	-101.2997161	301299.4467764364	43371.25100728292	3372.228681890606	3202.538032079823	3162.805856494094	3192.737303892638	3271.7355857287	12.414662
349	45	45489	-141261.1413	832657.3170250766	39.160643091985168	-101.2951478	301600.5221681325	43371.17475	3371.638970100273	3202.16347512155	3162.486218582637	3188.19178939369	3267.176008967187	13.9102845722842
350	45	45490	-140601.1413	832657.3170250766	39.16065261164935	-101.2951118	301701.5947827584	43371.1347827584	3371.048052126059	3201.656612802592	3162.057733280994	3186.408072750215	35.9898796	15.24548009729369
351	45	45491	-139941.1413	832657.3170250766	39.160662163710436	-101.2927851	301902.672366109	43371.084229607105	3368.34748993273	3201.1965235062994	3161.146716201251	3184.935379991106	40.0498073500489	16.285805507189798
352	45	45492	-139281.1413	832657.3170250766	39.16067169975123	-101.2904584	302103.747134035	43371.05307	3369.166212534473	3200.728930442293	3160.50421210053	3183.914298413698	42.1187183	17.1799642085937
353	45	45493	-138621.1413	832657.3170250766	39.160681139171	-101.288137	302304.821785432	43371.01372043885	3362.80833716972	3200.364819929835	3159.7424422205495	3182.464912920458	40.49249177243005	17.7698902339393
354	45	45494	-137961.1413	832657.3170250766	39.1606904809188	-101.285805	302505.89620311116	43371.00737	3359.63029075856	3199.73113581762	3158.45650816222	3181.718071225263	41.27462716754032	18.015328690235947
355	45	45495	-137301.1413	832657.3170250766	39.1606999195168	-101.2834783	302706.970426406	43371.00329154464	3357.638970100273	3199.4397567966	3157.91868270652	3180.1706838249097	42.176008967187	19.2551587
356	45	45496	-136641.1413	832657.3170250766	39.16070245671125	-101.2811516	302908.0445	43370.992604036	3352.97925274007	3198.9675054785	3157.721424763416	3181.098572534023	41.845016751344	17.77378301252735
357	45	45497	-135981.1413	832657.3170250766	39.16071853	-101.278825	303109.11829207	43370.9852727507	3348.53828320626	3198.104285456613	3155.41575910685	3178.862771777407	40.6906904266606	19.24025672152734
358	45	45498	-135321.1413	832657.3170250766	39.160727548886	-101.2764983	303310.1919343805	43370.981274137	3346.062791293597	3197.518788329494	3152.00022721981	3177.285733717536	41.5855605751301	20.23032957740256
359	45	45499	-134661.1413	832657.3170250766	39.16073695748711	-101.2741716	303511.265383616	43370.9722518129	3343.120541992828	3196.907048392314	3149.8153012554562	3175.2473590779059	40.09240383775174	22.694114060172254
360	45	45500	-134001.1413	832657.3170250766	39.1607461054495	-101.2718489	303712.3386362103	43370.971920167	3340.6586187735217	3196.270138940172	3148.722720720207	3150.0565900184	42.724748114804038	23.957303992304
361	45	45501	-133341.1413	832657.3170250766	39.16075520666229	-101.2695182	303913.411702512	43370.9681281067	3338.196678710871	3195.688027305907	3147.4409591936455	3166.701390326536	48.16791317694515	28.90728944037072
362	45	45502	-132681.1413	832657.3170250766	39.160764263839164	-101.2671915	304114.48452726984	43370.9651147981	3336.734741768708	3194.902688648523	3146.417912637125	3164.045854622915	48.5083562277279	30.88014211940798
363	45	45503	-132021.1413	832657.3170250766	39.16077327607558	-101.2648468	304315.552500775	43370.96112784813	3332.378757409092	3194.229002638884	3144.79923351769	3161.2341463742	49.42166851215956	32.89667600146535
364	45	45504	-131361.1413	832657.3170250766	39.160782243371514	-101.2625381	304516.6297534786	43370.95714302069	3328.127264	3193.4921	3143.9704849350573	3160.0334962612	49.52131177534246	33.8491212496777
365	45	45505	-130701.1413	832657.3170250766	39.16079171	-101.2602114	304717.7020287885	43370.95318113494	3323.8762534217	3192.37376628591	3143.26949	3159.089280943108	49.46788645005108	33.6309569402386
366	45	45506	-130041.1413	832657.3170250766	39.16080004314177	-101.2578847	304918.7741301827	43370.9480501457	3319.625421999615	3191.354530232416	3142.145691093907	3156.89927128661	49.8088391330223	35.052031178498
367	45	45507	-129381.1413	832657.3170250766	39.16080887591606	-101.2555881	305119.846089254	43370.943028943	3316.10523840937	3191.14156979171	3141.541791246316	3155.4971401493936	49.6270868327925	35.644644872778
368	45	45508	-128721.1413	832657.3170250766	39.160817653149796	-101.2532314	305320.9177581152	43370.9410330047	3313.316127193957	3190.3523696479038	3140.352576972575	3155.7180100416	49.9432046284266	34.977758
369	45	45509	-128061.1413	832657.3170250766	39.1608263542824	-101.2509576	305521.969754464	43370.93829754464	3308.676956273784	3191.382407895423	3140.352576972575	3155.7180100416	49.9432046284266	35.052031178498
370	45	45510	-127401.1413	832657.3170250766	39.16083510339548	-101.248575	305723.060290199	43370.932673542051	3307.738157682377	3188.4386989159	3138.056254792774	3142.96442840205	50.1211982505	45.5292374357396
371	45	45511	-126741.1413	832657.3170250766	39.160843756107404	-101.2462513	305924.13179390885	43370.928459134851	3306.5304317907435	3187.534859302216	3137.107271713567	3141.060212323196	50.3645487136494	46.7461383886996
372	45	45512	-126081.1413	832657.3170250766	39.16085238387868	-101.2439246	306125.2072020309	43370.9243070803	3306.903110628146	3186.53369841548	3135.273214	3139.49436804277	51.26215567024792	47.085392321016
373	45	45513	-125421.1413	832657.3170250766	39.1608609207093	-101.2415979	306326.273484081	43370.920291203489	3307.27739033486	3185.493436406857	3136.960496004325	3136.960496004325	51.26215567024792	47.085392321016
374	45	45514	-124761.1413	832657.3170250766	39.16086944603534	-101.2392712	306527.3415167367	43370.9167902445	3307.65089606927	3184.408281317	3135.540526523613	3134.0958673011155	48.665298951404	50.30958651201169
375	45	45515	-124101.1413	832657.3170250766	39.16087826957919	-101.2369576	306735.90121607	43370.9126168148	3306.87128797886	3183.271398780385	3134.213867166837	3132.81402720076	50.7073774864675	51.1551741239805
376	45	45516	-123441.1413	832657.3170250766	39.1608875556136	-101.2346718	306938.2698742	43370.908363071	3305.928748742	3182.098363071	3132.6718782545	3131.6718782545	50.7073774864675	51.1551741239805
377	45	45517	-122781.1413	832657.3170250766	39.16089472862922	-101.2322911	307130.5547389237	43370.9041545808	3303.05309596339	3180.08915675905	3131.546148	3130.506854426392	49.312871740145056	50.3520341326599
378	45	45518	-122121.1413	832657.3170250766	39.1609036075633	-101.2299644	307331.624553322	43370.9017446083	3301.1152305427	3179.579205622529	3130.114710563136	3129.657190311556	49.312871740145056	50.3520341326599
379	45	45519	-121461.1413	832657.3170250766	39.160911359942716	-101.2276377	307532.6941789054	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
380	45	45520	-120801.1413	832657.3170250766	39.16091960818832	-101.225311	307733.76361524896	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
381	45	45521	-120141.1413	832657.3170250766	39.16092871149314	-101.2229843	307934.6326276508	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
382	45	45522	-119481.1413	832657.3170250766	39.16093786978684	-101.2206576	308135.90121607	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
383	45	45523	-118821.1413	832657.3170250766	39.16094640329043	-101.218339	308336.970271422	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
384	45	45524	-118161.1413	832657.3170250766	39.16095521576282	-101.216042	308538.0347440686	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
385	45	45525	-117501.1413	832657.3170250766	39.16096017530442	-101.2136775	308739.107668666	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
386	45	45526	-116841.1413	832657.3170250766	39.16096815305111	-101.2113508	308940.176275138	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
387	45	45527	-116181.1413	832657.3170250766	39.16097607564954	-101.2090241	309141.2433938275	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
388	45	45528	-115521.1413	832657.3170250766	39.16098397629316	-101.2066874	309342.312254484	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
389	45	45529	-114861.1413	832657.3170250766	39.1609918991912	-101.204324	309543.477270224	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
390	45	45530	-114201.1413	832657.3170250766	39.16099951889912	-101.202044	309744.477270224	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	50.0521489
391	45	45531	-113541.1413	832657.3170250766	39.1610073729533	-101.1997173	309945.514997538	43370.9007739032	3300.686515495264	3178.25905467424	3128.52795443101	3128.19757566435	49.72263610364143	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgm.f	BRIElevBothKgm.f	SatHtElevKgm.f	SatHtBothKgm.f
474	4613	-59421.14133	832657.3170250766	39.16149025707857	-101.008926	32642.4234745061	4336619.59862162	3139.028289107731	3007.89953733821	2973.514062599086	34.867388975073	34.867388975073	34.3854713474184	
474	4614	-56671.14133	832657.3170250766	39.16148420843766	-101.006952	32663.4760558887	4336615.59472035	3132.7368529693	3005.831146106978	2968.675857135824	2962.6120977967	37.1526891714554	36.7021241391837	
474	4615	-5811.14133	832657.3170250766	39.1615045940906	-101.004728	32683.5286768096	4336611.59852292	3122.8603867010	3003.80400127178	2964.515869115363	2965.013682918415	38.7691732074601	38.1671732074601	
476	4616	-57441.14133	832657.3170250766	39.16150213525155	-101.001957	32703.5807101016	4336605.586510395	3120.468790218103	3001.807056432284	2961.882735657487	2962.611068523904	39.924300673559	39.1950611059382	
477	4617	-5671.14133	832657.3170250766	39.16150608245213	-100.999619	32726.63278373375	4336603.58282446	3118.077197661996	2998.9516387719674	2960.9215861469906	2962.611485917955	38.9300526294767	37.73677959241204	
478	4618	-56121.14133	832657.3170250766	39.161509096440814	-100.997293	327437.6847	4336599.578993415	3115.68556	2997.9347921622423	2950.32723364178	2961.242713622423	46.687559808903	46.687559808903	
479	4619	-55461.14133	832657.3170250766	39.16151372548762	-100.994965	32768.7364230989	4336595.57688704	3114.001153801505	2996.05087662328	2941.79767842413	2962.61240883265	54.25884112018494	53.81500142	
480	4620	-54580.14133	832657.3170250766	39.16151747959252	-100.992638	32783.7879903034	4336591.572886403	3113.02386027834	2994.214561589025	2936.140213272356	2962.61161116884	58.06957466196486	57.9405247425639	
481	4621	-54141.14133	832657.3170250766	39.16152119	-100.990312	32804.6336880445	4336587.569816983	3112.0456596234	2992.409277598614	2932.6708869801155	2963.26842889364	58.14679767847688	58.14679767847688	
482	4622	-53481.14133	832657.3170250766	39.16152485276584	-100.987953	32821.80196192224	4336583.5671221129	3111.06273	2990.630970795957	2931.2540338918452	2961.67471041487	58.7841716694705	58.7841716694705	
483	4623	-52822.14133	832657.3170250766	39.16152847225576	-100.985658	32842.9416819222	4336579.560418965	3110.034276181525	2988.903134422535	2931.0405287224357	2961.5004744707	57.8626057009472	57.402187402563	
484	4624	-52561.14133	832657.3170250766	39.161523046592974	-100.983318	32863.99257621705	4336575.565921705	3111.665277583372	2987.2003242718244	2931.227123403582	2961.81855273657	58.9221868624234	58.9221868624234	
485	4625	-51501.14133	832657.3170250766	39.161535558	-100.981005	32883.5460333999	4336571.565978514	3112.38837890159	2985.529676502073	2931.979320358523	2962.4087254953196	53.550356149514755	53.12094704675337	
486	4626	-50841.14133	832657.3170250766	39.16153906044164	-100.9786784	32906.039632475	4336565.57688704	3113.1147994464	2983.8900679247917	2932.544975	2932.821915050607	51.34511275170189	51.06817287411055	
487	4627	-50181.14133	832657.3170250766	39.1615428995306	-100.976316	329247.142255944	4336563.5657687	3110.89189891247	2982.2652414007626	2932.634758789993	2932.634758789993	49.8422785992697	49.8422785992697	
488	4628	-49521.14133	832657.3170250766	39.16154589452255	-100.974029	32948.194817548	4336559.554019422	3110.7706333404	2980.701874813564	2931.416827358113	2931.367751701333	49.283304725543078	49.33243578122301	
489	4629	-48861.14133	832657.3170250766	39.161549244150066	-100.971681	32969.2445408221	4336555.55446612	3110.20918508758	2978.142028737187	2929.339506313779	2929.14999164662	49.8089659593564	49.873211227091724	
490	4630	-48201.14133	832657.3170250766	39.16155255	-100.9693714	32985.2944	4336551.55104839	3118.692073265826	2977.632137053951	2926.675423094607	2926.36509256492	50.947939350413	51.2567222283016	
491	4631	-47541.14133	832657.3170250766	39.1615580857917	-100.967046	33005.3441596088	4336547.55	3118.57064558301	2976.12519688584	2923.5716892973	2932.18863658475	52.5258279	52.9353621009508	
492	4632	-46881.14133	832657.3170250766	39.161559023380775	-100.9647179	330252.3937197933	4336543.54877587	3117.8366338502283	2974.63474243899	2920.1476023727123	2919.79372592845	54.05087187118663	54.85373895	
493	4633	-46221.14133	832657.3170250766	39.16156219332409	-100.9623912	33045.4311339645	4336539.54700692	3115.102622173485	2973.20718083595	2916.3006401027054	2915.708232124575	56.9065747386947	57.49984871514198	
494	4634	-45561.14133	832657.3170250766	39.161563818158004	-100.960044	33068.49324249117	4336531.547200502	3113.368611384529	2971.784780212379	2913.2026412519783	2915.78217298418	59.4533865295951	59.40352413918715	
495	4635	-44961.14133	832657.3170250766	39.161565439338265	-100.957749	33093.16453729445	4336524.55714636	3112.4847571436	2970.48277745414	2913.4548778689707	2915.7827786742844	59.8490272484844	59.8490272484844	
496	4636	-44241.14133	832657.3170250766	39.16157143316725	-100.9554109	33105.5903023636	4336525.54526316	3110.26722786703	2969.003703014983	2916.6255557583195	2916.65850734704	59.7312724317877	59.664555779419	
497	4637	-43581.14133	832657.3170250766	39.16157442235889	-100.9530842	33125.6738035929	4336518.567146907	3110.443628929223	2968.44728844501	2916.4943159770874	2916.546425459384	51.1474130081366	51.09530443806261	
498	4638	-42921.14133	832657.3170250766	39.161577368404894	-100.9507575	33145.68767007056	4336515.546144669	3110.6202031811632	2969.3509358311897	2915.478365661844	2915.4966120338877	50.8209265053086	50.80274627800918	
499	4639	-42261.14133	832657.3170250766	39.16157862861608	-100.9484307	331659.7360080191	4336515.54631896	3110.9029953576	2964.79685518489	2913.7844402860246	2913.7796870271	51.19698948078279	51.19698948078279	
500	4640	-41601.14133	832657.3170250766	39.16158132861364	-100.946104	331860.7842543026	4336511.5466358	3110.281129374413	2963.673003338504	2913.413251172819	2913.410515053983	52.24204911031446	52.26814973935479	
501	4641	-40941.14133	832657.3170250766	39.1615839420518	-100.943772	332061.6231879224	4336507.568194727	3110.84877724	2962.638137819238	2913.208618397248	2913.208618397248	53.5893738289892	53.5893738289892	
502	4642	-40281.14133	832657.3170250766	39.161586139338265	-100.9414507	332281.67787318	4336502.06448957517	3110.2604489057517	2962.2337764746	2912.533764746	2912.533764746	54.94027481594035	53.888389159517	
503	4643	-39621.14133	832657.3170250766	39.16159140202746	-100.9391237	332463.9267047795	4336495.548748334	3110.393913287027	2959.870389719873	2906.021106650298	2906.021106650298	55.8362303695732	53.68901285274964	
504	4644	-38961.14133	832657.3170250766	39.161594009524855	-100.936797	332664.976552681	4336489.54979276	3110.654017076908	2958.832542	2904.5257389050424	2904.72013873632	54.1068021811747	53.8905224506766	
505	4645	-38301.14133	832657.3170250766	39.16159706280012	-100.9344703	332866.02307861124	4336491.551011636	3110.88419142386845	2957.409641467127	2902.01096626305	2902.124118290616	55.3986718465371	55.2852316911055	
506	4646	-37641.14133	832657.3170250766	39.16159931169349	-100.9321435	333067.0703347099	4336487.55240405	3110.88419142386845	2956.209449612636	2900.309403835527	2900.309403835527	58.0924084468326	58.0924084468326	
507	4647	-36981.14133	832657.3170250766	39.161598185294728	-100.9298168	333268.1174277687	4336483.55787318	3110.88419142386845	2955.0487	2900.309403835527	2900.309403835527	59.0510529474484	59.0510529474484	
508	4648	-36321.14133	832657.3170250766	39.161594034903896	-100.927429	333469.16453729445	4336478.55714636	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
509	4649	-35661.14133	832657.3170250766	39.1615967988809	-100.9251633	333670.211255893	4336473.55787318	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
510	4650	-35001.14133	832657.3170250766	39.1616002	-100.9228365	333871.2573077087	4336471.559719204	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
511	4651	-34341.14133	832657.3170250766	39.16161155652895	-100.9205098	334072.0347137095	4336467.559817095	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
512	4652	-33681.14133	832657.3170250766	39.1616138158983	-100.918183	334273.3054546255	4336463.564266475	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
513	4653	-33021.14133	832657.3170250766	39.1616161526088	-100.9158634	334474.3965376736	4336459.56704505	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
514	4654	-32361.14133	832657.3170250766	39.1616187698527	-100.9135296	334675.4425312792	4336455.57	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
515	4655	-31701.14133	832657.3170250766	39.16162169833265	-100.911249	334876.4861279151	4336451.570791368	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
516	4656	-31041.14133	832657.3170250766	39.1616226960123	-100.9098761	335077.5339236106	4336447.57582702	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
517	4657	-30381.14133	832657.3170250766	39.1616247276221	-100.9076493	335278.573422867	4336443.57923493	3110.88419142386845	2954.79685518489	2900.309403835527	2900.309403835527	59.8490272484844	59.8490272484844	
518	4658	-29721.14133	832657.3170250766	39.16162683	-100.9042226	335479.624736264	4336439.5725027	3110.88419142386845	2954.79685518489	2900.309403835527	2900.30940383552			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVElevKrg.ft	BREVElevKrg.ft	SurfElevKrg.ft	SatHtboKrg.ft
59	627	23738.8586730335	32.056713170250766	39.16164333160126	-100.715756	351763.7801	331661434159415	2879.7503516164343	2885.79884909667	2780.911258206873	2781.8089258454516	74.87754020297962	73.97987282511531
600	62	45740	24398.8586730335	32.056713170250766	-100.7134293	351964.8129557014	3316121460096362	2882.4045407330949	2853.902843279226	2782.79058189742674	2781.11225843914011	70.46031371525021	70.46031371525021
601	62	45741	25098.8586730335	32.056713170250766	-100.711029	352127.0387296873	3316048178833317	2883.2107338454534	2852.913080519644	2784.968730989825	2784.146392116883	88.1113143862293	87.686823820915
602	62	45742	25718.8586730335	32.056713170250766	-100.7087258	352366.8781737321	3316014908300968	2887.9409249591371	2856.116464331201	2783.382841141108	68.6790539340087	66.733021220279	66.733021220279
603	62	45743	26378.8586730335	32.056713170250766	-100.706449	352567.9105675433	331601515202008	2893.62769420021	2846.2141098373163	2780.815161830946	67.398847341535	67.431720224134	67.431720224134
604	62	45744	26738.8586730335	32.056713170250766	-100.7041223	352768.9428181576	33160353466255	2902.2866225275374	2848.301414366923	2777.07288412183	78.7651841381684	69.235320245091	69.5500232589793
605	62	45745	27698.8586730335	32.056713170250766	-100.7017955	352969.97492577956	331602552624816	2910.9338450510725	2848.382948417004	2772.7480345432372	71.6349131493372	72.129504484958	72.129504484958
606	62	45746	28358.8586730335	32.056713170250766	-100.6994868	353171.008906135	331606815562674	2919.59326236907	2842.46025	2768.666199555384	72.681574691420796	73.7420205769167	74.3032551158411
607	62	45747	29018.8586730335	32.056713170250766	-100.697142	353372.0387296873	3316084590211935	2929.917139519068	2842.536423	2764.968730989825	73.5386728314504	76.2725630884857	76.2725630884857
608	62	45748	29678.8586730335	32.056713170250766	-100.6948153	353573.0792737856	331609016901736	2932.9117319578454	2838.60714072203	2767.1688032562525	70.79456550902	71.9158977590522	71.9158977590522
609	62	45749	30338.8586730335	32.056713170250766	-100.6924885	353774.0193043854	331607662437127	2932.905651	2838.6765565458092	2758.8312884007828	75.7111345562957	77.845035502648	78.955218961349
610	62	45750	30998.8586730335	32.056713170250766	-100.6901618	353975.1333	33160764795901	2932.8990591972263	2834.7443812921406	2756.32790391649	75.0555232733354	78.4164773	79.6885801880515
611	62	45751	31658.8586730335	32.056713170250766	-100.6878351	354176.16458013316	33160687618488	2932.1108285192027	2832.810972900074	2754.227236987705	75.752763713227226	80.04726620128119	80.04726620128119
612	62	45752	32318.8586730335	32.056713170250766	-100.6850383	354377.1956925747	33160648745142	2931.538759768683	2830.8770870574226	2752.681327980567	75.1942646956163	78.19380725176552	79.6822326
613	62	45753	32978.8586730335	32.056713170250766	-100.6831818	354578.226635982	3316060747674895	2931.96914533138471	2828.94353138471	2749.759819455122327	74.79175868723483	79.722779089428514	79.722779089428514
614	62	45754	33638.8586730335	32.056713170250766	-100.6808458	354779.25149348185	3316056173738242	2931.39397314903	2827.0140087352647	2748.628123719153	78.2223894558106	77.3822801611184	78.7880127045415
615	62	45755	34298.8586730335	32.056713170250766	-100.6785281	354980.2884243183	3316052747919277	2931.2503836795556	2825.078964334488	2748.4118424300614	74.74036454573936	76.6961730583775	78.41427408570515
616	62	45756	34958.8586730335	32.056713170250766	-100.6762013	355181.3187306393	331604676851181	2931.053536541094	2823.153313411683	2747.1491359945503	75.5853576998712	77.28956546129703	77.28956546129703
617	62	45757	35618.8586730335	32.056713170250766	-100.6738746	355382.349138308	3316044789218563	2931.820634072633	2821.209634014684	2745.9911440369547	75.466474951109255	75.2184899854374	74.7617891233148
618	62	45758	36278.8586730335	32.056713170250766	-100.6715478	355583.379405546	3316040361	2931.105822261172	2819.2742237369877	2743.9447119805454	73.84948786302265	78.933053166198	80.77934654728006
619	62	45759	36938.8586730335	32.056713170250766	-100.6692211	355784.4932952305	33160363131398695	2931.4540398471031	2817.341072323417	2732.278654442721	73.2612959682327	80.0624178011988	80.0794621490055
620	62	45760	37698.8586730335	32.056713170250766	-100.666884	355986.4396250135	33160258526041	2930.8521852041346	2815.412386524576	2728.759203297784	72.78278947636367	80.28691623267923	92.5488889
621	62	45761	38358.8586730335	32.056713170250766	-100.6645239	356190.4486475946	3316016986759946	2930.29617375454	2813.167323569434	2726.6181005471431	73.1351173800734	80.45616510857785	80.45616510857785
622	62	45762	38918.8586730335	32.056713170250766	-100.6622409	356397.491	331602048532163	2931.6879167598963	2811.57279443595	2721.435934416109	70.7167502745559	101.5317000400094	101.5317000400094
623	62	45763	39578.8586730335	32.056713170250766	-100.6599141	356588.5286444836	331601971063164	2888.63673	2809.651530508224	2707.666786	70.065273041816954	101.99474433894223	102.10635928912702
624	62	45764	40238.8586730335	32.056713170250766	-100.6575874	356789.5580741148	33160163057578	2882.1204712514567	2807.757031	2711.165341447221	70.0140746696939	95.9168973	97.6495345080135
625	62	45765	40898.8586730335	32.056713170250766	-100.6552066	356990.5873644265	331601961055378	2884.6904713671331	2805.8604759971017	2718.452990417604	71.642171793356	87.7584057949792	88.2138402
626	62	45766	41558.8586730335	32.056713170250766	-100.6529339	357189.6186164745	33160083326575	2887.095751	2803.972057792572	2717.0300892165442	72.5845847200000	73.941198858	78.3878033708357
627	62	45767	42218.8586730335	32.056713170250766	-100.6506473	357392.4586434137	3316005967151	2886.96984717545	2802.90257	2716.92084971698	73.128094864617	74.68297841404848	74.68297841404848
628	62	45768	42878.8586730335	32.056713170250766	-100.648342	357599.448644524	331600102839103	2887.30338114673	2800.22041628986	2714.7168906	74.7300730506562	76.009489914607	99.48236012029744
629	62	45769	43538.8586730335	32.056713170250766	-100.6459537	357794.7034282036	3315997051150415	2879.951357932224	2798.3671662098793	2755.40780758273	74.3126802234814	82.9491875100612	82.9491875100612
630	62	45770	44198.8586730335	32.056713170250766	-100.6436269	357995.7318420483	3315991071043108	2878.520228029576	2794.15244754634	2741.81030624314	75.4759252654272	74.6918968679233	74.6918968679233
631	62	45771	44858.8586730335	32.056713170250766	-100.6413002	358196.7030366024	331599097231119	2866.251226884916	2794.655564	2749.379043480375	75.1964743121435	82.45726001120489	74.69028029104507
632	62	45772	45518.8586730335	32.056713170250766	-100.6389734	358397.7862770823	3315985121	2865.47227223646	2792.81706612901	2745.034756529496	72.8280320460184	75.26029095475	64.5372763688245
633	62	45773	46178.8586730335	32.056713170250766	-100.6366467	358598.81647674	331598114476461	2865.324287139996	2790.9886212051824	2741.748589	73.9523602101083	82.4930219979229	82.4930219979229
634	62	45774	46838.8586730335	32.056713170250766	-100.63432	358799.448644524	33159770535616	2864.96173775454	2789.16873097919	2741.7300730506562	75.1130442	80.45616510857785	80.45616510857785
635	62	45775	47498.8586730335	32.056713170250766	-100.6319362	358990.8727745124	331597314704651	2863.383891130966	2787.356616	2745.6304489471895	74.17261878898406	82.1260764003939	82.1260764003939
636	62	45776	48158.8586730335	32.056713170250766	-100.629665	359201.9006	331596251470173	2835.891400976556	2785.55039812669	2749.040160174844	74.9350562362931	82.5129963782483	82.5129963782483
637	62	45777	48818.8586730335	32.056713170250766	-100.6273397	359402.9281936146	331596524	2828.388942825746	2783.754270719338	2752.808782	73.75378614573017	80.4865460963615	79.971281356632062
638	62	45778	49478.8586730335	32.056713170250766	-100.625013	359603.9556972296	331596126380169	2805.905438728927	2781.969371122749	2747.138886804293	74.7471861112749	84.38404832	84.182241141007
639	62	45779	50138.8586730335	32.056713170250766	-100.6226863	359804.8036408516	3315957284849637	2801.93646939947	2780.18900631627	2740.994371050265	74.710310967882	89.3818935373986	89.3818935373986
640	62	45780	50798.8586730335	32.056713170250766	-100.620359	360006.010296547	331595313182373	2805.45899659678	2774.61651271715	2735.719789783867	82.46650843331219	82.46650843331219	82.46650843331219
641	62	45781	51458.8586730335	32.056713170250766	-100.6180745	360208.032926574	33159493053616	2804.93253053561	2773.513511763815	2734.4230563516	73.3511763815	82.46650843331219	82.46650843331219
642	62	45782	52118.8586730335	32.056713170250766	-100.615736	360408.0453334426	331594337077605	2805.781159	2774.889707983709	2732.770005659046	73.458748363785	82.46650843331219	82.46650843331219
643	62	45783	52778.8586730335	32.056713170250766	-100.6133793	360609.911788087	3315943138280599	2803.625075986247	2773.31626054373	2724.08841676657	72.424075786913947	80.49427037671566	80.49427037671566
644	62	45784	53438.8586730335	32.056713170250766	-100.6110526	360810.117692576	331593741368055	2802.56408382648	2771.387561196805	2721.784394	75.48392560883305	80.49427037671566	80.49427037671566
645	62	45785	54098.8586730335	32.056713170250766	-100.6087258	361011.144424891	3315933439271493	2801.50509911952	2769.644218877846	2721.148412	75.48392560883305	80.49427037671566	80.49427037671566
646	62	45786	54758.8586730335	32.056713170250766	-100.606391	361212.1708459247	331592944648987	2800.420964559126	2				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SurfElevLogKrg.ft	SurfBothKrg.ft	
725	62	45865	10868.95867307335	326257.3170250766	39.161082906430195	-100.4225877	377992.805932548	4335616.043991251	2654.542368250197	2654.542368250197	2613.7830145525927	2613.791713297598	40.75935369760418	40.7506549592878	
726	62	45866	10858.85867307335	326257.3170250766	39.16107964862319	-100.420261	377293.8667081647	4335612.083462658	2651.2140212443373	2651.2140212443373	2612.6553093825845	2612.5763368292197	38.55848621848292	38.6380439142031	
727	62	45867	10858.85867307335	326257.3170250766	39.16108362	-100.417843	377644.8639062085	4335608.123274886	2650.12331	2650.12331	2610.86923	2610.86923	39.161030458991	39.16033198319885	
728	62	45868	10858.85867307335	326257.3170250766	39.1610688667859	-100.4150676	376516.8989804505	4335604.16175434	2651.276248782247	2651.276248782247	2608.925175196903	2607.618854129716	42.5143636664847	42.5143636664847	
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26	63	45906	-354441.1413	333337.3170250766	39.15700444618885	-102.04984	236545.959758741	333730.63581876	3971.971603800427	3971.971603800427	3829.400808712843	3773.48534362425	3771.6005391334975	151.52271403347156	151.52271403347156
27	63	45907	-353781.1413	333337.											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatHtBothKrg.	SatHtBothKrg.
11	63	45991	-296341.1413	833317.3170250766	39.15889350357733	-101.8511913	253642.6878595025	4332821.921412648	3817.591258668462	3668.506056834549	3667.381248469994	3666.4142244374057	19.12408346554346	20.091832406143112
112	63	45992	-296371.1413	833317.3170250766	39.15891379563361	-101.8488648	253643.81509923012	4332822.5753403327	3816.462482320067	3667.924662472185	3661.019957628766	3661.245684913817887	22.745684913818245	22.302301701839815
113	63	45993	-296392.1413	833317.3170250766	39.15893442755135	-101.8466538	254444.94299622096	4332823.786	3817.734359717698	3661.51273864428	3665.109920409374	3665.210738628677	25.841455967725656	29.840383938481773
114	63	45994	-296361.1413	833317.3170250766	39.158954424494193	-101.8442218	254246.068	4332829.7174339	3808.804389534965	3678.365164974055	3668.655164974055	3665.601502022613	28.503671397093058	22.750509514337355
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123	63	46003	-290421.1413	833317.3170250766	39.159134042652584	-101.823273	256056.1988	4332831.15908086	3788.037785547489	3654.2504167825043	3617.882605912089	3645.398154930363	36.17156087056244	10.12597137088242
124	63	46004	-289761.1413	833317.3170250766	39.15915379539971	-101.8209465	256257.3231242405	4332830.4090593715	3785.44519858311	3653.12104453478	3615.069481490281	3643.274157956864	38.0566229319724	9.85194649631891
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127	63	46007	-287781.1413	833317.3170250766	39.15921278429989	-101.8139689	256860.6946632116	4332816.850280231	3776.67650518289	3646.077282937257	3626.269468026016	3633.237867095329	39.80781489112405	12.63896286
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139	63	46019	-279861.1413	833317.3170250766	39.1594446671542	-101.7864264	259274.1598779987	4332816.07975428	3748.184216517033	3619.52499915216515	3609.4488258941774	3621.9587505127826	8.7921567274185	0
140	63	46020	-279201.1413	833317.3170250766	39.1594637295835	-101.7837219	259475.2791701668	4332816.61575967	3747.45274872556	3617.026490746875	3607.490746567992	3612.289585	7.43663407729948	0
141	63	46021	-278541.1413	833317.3170250766	39.15948271851963	-101.7813953	259676.3996050666	4332815.95353003	3747.4230531147423	3614.801501458445	3605.26586938274	3609.592154706426	5.938638208	3.221195043918675
142	63	46022	-277881.1413	833317.3170250766	39.15950166251806	-101.7790688	259877.519823807	4332815.89709223	3740.7115687373454	3605.0530021009927	3605.997850145314	3621.268991043172	6.573589050413977	6.573589050413977
143	63	46023	-277221.1413	833317.3170250766	39.159520561580685	-101.7767422	260078.6397621049	4332815.828041927	3740.7423597717916	3610.3268160160733	3601.245191	3603.204249857134	8.081624648523002	7.12391303259926
144	63	46024	-276561.1413	833317.3170250766	39.15953941570746	-101.7744157	260279.759	4332817.45552004	3740.612368671732	3608.08097082638	3600.352160747149	3601.664179	7.711593493334714	6.40391800403687
145	63	46025	-275901.1413	833317.3170250766	39.15955822489929	-101.7720891	260480.878695633	4332814.703234843	3738.790475657553	3605.73880230677	3600.726730701225	3601.593713227866	5.067112305051502	4.196702079105487
146	63	46026	-275241.1413	833317.3170250766	39.15957708915216	-101.7697728	260681.9614410243	4332814.341041243	3738.184216517033	3605.24689583774	3601.871200871167	3622.450243283527	25.7971671425465	10.5211696188193
147	63	46027	-274581.1413	833317.3170250766	39.15959670847216	-101.767426	260883.19560401024	4332815.914536945	3737.2329298908876	3601.9313757507	3603.153207288905	3600.87146351378	16.82841703268793	13.72164340505151
148	63	46028	-273921.1413	833317.3170250766	39.1596143825511	-101.7651094	261084.2351043491	4332815.173658915	3735.0835626500957	3598.86437	3604.248962317783	3605.1535340582975	0	0
149	63	46029	-273261.1413	833317.3170250766	39.159633012302024	-101.7627829	261285.3345629714	4332817.45552004	3737.11023791456	3608.08097082638	3600.352160747149	3601.664179	7.711593493334714	6.40391800403687
150	63	46030	-272601.1413	833317.3170250766	39.15965159681285	-101.7604563	261486.4715854303	4332813.33436892	3731.784829968512	3594.146097280234	3605.457320689447	3606.812797404267	0	0
151	63	46031	-271941.1413	833317.3170250766	39.15967013638757	-101.7581297	261687.5894719725	4332819.33038831	3723.776981171937	3591.759689308074	3605.701108518495	3607.2326237135	10.34716903228891	0.7372259901743
152	63	46032	-271281.1413	833317.3170250766	39.15968851026135	-101.7558032	261888.7071278993	4332815.220717185	3728.410176393418	3594.44462637648	3605.8207146663485	3607.808989141106	0	0
153	63	46033	-270621.1413	833317.3170250766	39.1597070827968	-101.7534233	262089.9112343027	4332815.11234357	3726.91184216517033	3603.24689583774	3601.871200871167	3622.450243283527	25.7971671425465	10.5211696188193
154	63	46034	-269961.1413	833317.3170250766	39.15972548544725	-101.75115	262290.947180546	4332810.75406724	3725.0578383961	3584.461379308251	3606.16430598704	3608.528539516765	0	0
155	63	46035	-269301.1413	833317.3170250766	39.15974358324684	-101.7488235	262492.0586635034	4332810.08967441	3742.236710462384	3581.98989676363	3605.655782746674	3608.6774447		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SatThkLog.s	SatThkBoth.f
237	63	46117	-215181.1413	833317.3170250766	39.16109643020714	-10.5580412	279862.8677868513	333770.728	335029691740842	3362.870759262044	3389.8351821167084	3410.245618	0	0
238	63	46118	-214521.1413	833317.3170250766	39.161111600215845	-10.5557146	279183.9659318838	333776.682	3486.382916850743	3360.175477091853	3388.1243413956546	3407.264783960004	0	0
239	63	46119	-213861.1413	833317.3170250766	39.16125435836966	-10.5538379	278835.9368901719	333782.638708072	3457.476397811874	3385.525853509878	3405.1614362494674	3430.1614362494674	0	0
240	63	46120	-213201.1413	833317.3170250766	39.161140185416635	-10.5510613	27956.9512654477	333774.759930046573	3371.7746035736	3388.048017943368	3390.7919643741674	3407.7919643741674	0	0
241	63	46121	-212541.1413	833317.3170250766	39.16115486060886	-10.5487346	279787.2596004094	333775.455666888	3468.71937801849	3352.066978508514	3387.8557126699907	3401.281765594335	0	0
242	63	46122	-211881.1413	833317.3170250766	39.16116913086178	-10.546408	279988.3560337627	333776.500824972	3465.162737032833	3349.355039050663	3387.533404969594	3399.877542563016	0	0
243	63	46123	-211221.1413	833317.3170250766	39.161183356175926	-10.5440813	280189.835926644	333776.455859719	3461.4510869476833	3346.640782179572	3388.422556350021	3390.781438788576	0	0
244	63	46124	-210661.1413	833317.3170250766	39.1611789655106	-10.5417546	280390.5502333782	333774.411071118	3458.584341786196	3334.925177965479	3389.1830276948654	3398.688748259275	0	0
245	63	46125	-209901.1413	833317.3170250766	39.1612211198425	-10.538426	280891.54669573846	333773.3836	3458.717697874713	3341.209456448168	3390.4516288505574	3398.3817306398857	0	0
246	63	46126	-209241.1413	833317.3170250766	39.1612264821129	-10.5371013	280792.7430640643	333773.422021838	3452.850868552296	3338.493959517871	3392.3482183125248	3398.1710238592	0	0
247	63	46127	-208581.1413	833317.3170250766	39.16120407804923	-10.5347746	280983.83655628297	333770.277763155	3455.481334687307	3335.779171704954	3395.154020457932	3399.837037439533	0	0
248	63	46128	-207921.1413	833317.3170250766	39.1612548866809	-10.532448	281194.935315474	333772.2634	3463.600602461353	3333.066647786407	3398.556961867523	3401.75789658034	0	0
249	63	46129	-207261.1413	833317.3170250766	39.16126902434782	-10.5301213	281396.0312909618	333772.189775663	3471.7366778052337	3330.36037467703	3403.054253619623	3406.02214037456	0	0
250	63	46130	-206601.1413	833317.3170250766	39.16128115088374	-10.5277947	281597.126834727	333771.14604834	3479.86434936432	3327.647213126103	3408.797798539236	3410.7820767193	0	0
251	63	46131	-205941.1413	833317.3170250766	39.161287106899745	-10.5254848	281789.22216305794	333774.102	3483.005979802349	3324.9406027801538	3415.988030221976	3418.10626073386	0	0
252	63	46132	-205281.1413	833317.3170250766	39.16131709446965	-10.5231413	281999.3172761515	333770.069118981	3481.161023782596	3322.237061185883	3410.544271416205	3420.92774202859	0	0
253	63	46133	-204621.1413	833317.3170250766	39.16132517674835	-10.5208147	282200.2417421286	333770.015919939	3478.3162495412233	3319.539135822964	3408.9646864397	3404.03359684425	0	0
254	63	46134	-203961.1413	833317.3170250766	39.1613390265852	-10.518488	282401.506857449	333771.972897481	3477.471475300969	3318.844412226854	3394.3832478327517	3392.43756670992	0	0
255	63	46135	-203301.1413	833317.3170250766	39.1613528847028	-10.5161613	282602.6013260635	3337697.930051594	3470.629474602375	3314.154322908829	3383.162293723738	3379.760164853616	0	0
256	63	46136	-202641.1413	833317.3170250766	39.16136715807915	-10.5138346	282803.6958260626	333768.9838272272	3458.790474547258	3311.4817968479802	3372.698624074951	3367.1252467672693	0	0
257	63	46137	-201981.1413	833317.3170250766	39.16138049197365	-10.5115108	283004.789620487	333768.44889512	3446.95102309679	3308.78852866084	3363.36554089185	3356.6239355027	0	0
258	63	46138	-201321.1413	833317.3170250766	39.16138422	-10.5091813	283205.8434462308	333768.502573402	3445.117951359698	3306.114734165912	3355.2976838937	3343.706071290106	0	0
259	63	46139	-200661.1413	833317.3170250766	39.16139709446965	-10.506891	283413.5425311777	333768.59683686	3443.5847623440514	3304.26857032271	3358.37614673388	3349.682278436728	0	0
260	63	46140	-200001.1413	833317.3170250766	39.16142155083447	-10.5045279	283608.0704569912	333767.718470593	3444.3190422742673	3300.765847	3340.67537270608	3328.3582578475	0	0
261	63	46141	-199341.1413	833317.3170250766	39.161435147242564	-10.5022013	283809.16364218097	333767.876683904	3454.400371740208	3308.130456838683	3333.540241519115	3318.6991132715817	0	0
262	63	46142	-198681.1413	833317.3170250766	39.1614486871118	-10.4998746	284010.2566	333766.93073825	3464.485192526093	3295.481581495719	3327.12718627044	3309.0594418605274	0	0
263	63	46143	-198021.1413	833317.3170250766	39.1614622052429	-10.4975479	284211.33743732038	333766.593604299	3468.3422888309029	3295.835871864555	3321.1725308159307	3297.97546596523	0	0
264	63	46144	-197361.1413	833317.3170250766	39.1614756662968	-10.4952122	284412.4419194483	333766.55238139	3465.960381142817	3290.191698737898	3315.458599052104	3286.45573503165	0	0
265	63	46145	-196701.1413	833317.3170250766	39.161486983479935	-10.4928866	284613.5425311777	333766.511310642	3463.589585608826	3289.95838190474	3314.97490674	3284.90674	0	0
266	63	46146	-196041.1413	833317.3170250766	39.161495076	-10.4905679	284814.626514020394	333766.478309872	3461.213141261598	3284.101099020359	3304.3623216171	3270.523377503847	0	0
267	63	46147	-195381.1413	833317.3170250766	39.16151578196127	-10.4882412	285015.718283594	333766.429670895	3458.36623625574	3282.27259876106	3299.119851025664	3272.072483116787	0	0
268	63	46148	-194721.1413	833317.3170250766	39.1615200379252	-10.4859145	285216.8098074205	333766.439119883	3454.4490074012525	3279.6395134976306	3293.6715007210503	3271.1794092145883	0	0
269	63	46149	-194061.1413	833317.3170250766	39.16154230068414	-10.4835878	285417.9014661703	333766.384752429	3450.373171127147	3277.008367043696	3288.119891986055	3272.902411376642	0	0
270	63	46150	-193401.1413	833317.3170250766	39.16155452636076	-10.4812612	285618.99274007487	333767.308547075	3447.0144164013423	3274.37791954307	3283.1363963477525	3274.945860614629	0	0
271	63	46151	-192741.1413	833317.3170250766	39.1615685954829	-10.4789348	285820.0386258374	333766.326852533	3447.571514303078	3271.749682059474	3277.2398415601163	3275.580265734545	0	0
272	63	46152	-192081.1413	833317.3170250766	39.1615791720816	-10.4768078	285929.228603083	333766.229603083	3452.24174813822	3270.123983	3275.69036026582	3275.69036026582	0	0
273	63	46153	-191421.1413	833317.3170250766	39.1615947885357	-10.4742811	286222.2652944434	333765.826518	3455.96562139268	3266.48828222957	3267.830969	3273.773163211487	0	0
274	63	46154	-190761.1413	833317.3170250766	39.16160781104555	-10.4719544	286423.3557	333762.149518848	3461.698475774228	3263.8740851186303	3262.033276898218	3271.40659824864	0	0
275	63	46155	-190101.1413	833317.3170250766	39.16162077829735	-10.4696277	286624.45493438594	333761.7110202871	3462.861757373264	3261.251967799849	3260.68201968854	3260.681410098347	0	0
276	63	46156	-189441.1413	833317.3170250766	39.16163370061312	-10.467301	286825.535952729	333761.071063135	3460.480752721633	3258.633483217517	3249.526653298534	3265.865040419016	0	0
277	63	46157	-188781.1413	833317.3170250766	39.1616457798664	-10.4649744	286926.6257510503	333760.9320100164	3458.100167693905	3256.810580434484	3249.600426772116	3263.146764300546	0	0
278	63	46158	-188121.1413	833317.3170250766	39.16165941042029	-10.4626477	287227.1753399139	333760.963313419	3455.719626625945	3253.406779649414	3237.644003506696	3246.707407698414	0	0
279	63	46159	-187461.1413	833317.3170250766	39.16167404561219	-10.460378	287429.1919740142	333760.8793087	3454.744630806564	3252.582228310653	3234.045290290964	3234.045290290964	0	0
280	63	46160	-186801.1413	833317.3170250766	39.1616840406788	-10.4579043	287629.89388773347	333760.961923104	3448.9776077104608	3248.193378	3232.640063020749	3237.505720031738	0	0
281	63	46161	-186141.1413	833317.3170250766	39.16169783081776	-10.455676	287830.8628490764	333759.878011518	3443.769686	3245.591840380913	3219.8901833191926	3227.674733893296	0	0
282	63	46162	-185481.1413	833317.3170250766	39.16171029075569	-10.4533409	288032.0716003174	333759.83930304	3422.700444605395	3242.994417106409	3218.858145499063	3216.462143872385	0	0
283	63	46163	-184821.1413	833317.3170250766	39.1617228848964	-10.4510142	288233.1401427587	333759.802025459	3427.25008934564	3240.402712602484	3217.02264462285	3213.1142827732125	0	0
284	63	46164	-184161.1413	833317.3170250766	39.16173541283584	-10.4488878	288434.24847466337	333758.764296971	3415.5098195075734	3237.8168194401237	3200.8018152672157	3213.194217393218	0	0
285	63	46165	-183501.1413	833317.3170250766	39.161747979137466	-10.4468308	288635.3366016816	333758.726744831	3414.744630806564	3235.4868686387	3214.045290290964	3214.045290290964	0	0
286	63	46166	-182841.1413	833317.3170250766	39.1617604561219	-10.4440421	288859.4254185529	333758.6893369	3411.97940553594	3232.661622754705	3217.298540203137	3215.98304666676	0	0
287	63	46												

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.	BRElevBothKrg.	SatThLogKrg.	SatThBothKrg.
363	46243	-132021.1413	833317.3170250766	39.16265899088374	-101.2648764	304319.5880802397	3372.36240385592	3322.1559767217086	31.95.15091034367	3144.400897072849	3161.0627583268015	50.75001327391783	34.08815201996549
364	46244	-131361.1413	833317.3170250766	39.16259448721163	-101.2625496	304320.5675382979	3372.25816741083	3327.877991604343	3194.3172718561123	3143.9122718561123	3160.89080183333	51.11446276796977	34.08165311757884
365	46245	-126741.1413	833317.3170250766	39.16263729793021	-101.2602229	304721.729822271	3372.33860749738	3323.60004496628	3193.98417615115	3143.2027500408965	3157.817781456041	50.78897320815937	34.0683689547499
366	46246	-130041.1413	833317.3170250766	39.16261267743311	-101.2578961	304922.8014	3372.50626997626	3322.800213696127	3192.9119176837685	3141.9022730002466	3155.492211630390	50.91666923743886	37.92826053369384
367	46247	-129381.1413	833317.3170250766	39.16262515013132	-101.2555694	305123.8731344724	3372.264661946	3315.731167255005	3192.106785285753	3141.134501867681	3151.922722906655	50.97282348107204	37.9281259908760
368	46248	-128721.1413	833317.3170250766	39.16263207878874	-101.2532426	305324.406576361	3372.2423302421	3312.78447493906	3191.267057474541	3140.0302610795275	3152.300268879695	51.2367964	38.96501185846644
369	46249	-128061.1413	833317.3170250766	39.162639040702615	-101.2509159	305526.0169013515	3372.328120145444	3309.923273290553	3190.3901718892993	3138.92434356616	3149.062596	51.4606843213314	41.32752211143939
370	46250	-127401.1413	833317.3170250766	39.1626473875765	-101.2488991	305727.0871725946	3372.3417896425	3307.0199977306	3189.4743079017467	3137.8349231104045	3142.553584734316	51.4639347900616	46.9207233315034
371	46251	-126741.1413	833317.3170250766	39.162651955084	-101.2465824	305928.1581349724	3372.30860749738	3306.4802175240428	3188.578782125834	3137.08707689197	3138.998720158537	51.43079473062244	46.9151535305661
372	46252	-126081.1413	833317.3170250766	39.1626549946645	-101.2433556	306129.29906904	3372.2613310913	3305.304374959255	3187.5114199276	3135.15312098511	3137.81334996457	52.3660211	49.6206495
373	46253	-125421.1413	833317.3170250766	39.162673562544164	-101.2416088	306330.2994879508	3372.22211184776	3305.128532668488	3186.474146180796	3136.958907678519	3135.303788818194	50.91733733200245	51.176217732602036
374	46254	-124761.1413	833317.3170250766	39.1626820065431	-101.2392821	306531.36997891136	3372.2180982466	3304.95269	3185.268389929694	3135.44.2861	3132.89011	50.92325922928416	52.49628026504433
375	46255	-124101.1413	833317.3170250766	39.16269053818365	-101.2369553	306732.4401798737	3372.14.08824668	3303.943466107507	3184.2645365107507	3134.95243565514494	3130.49302725822683	53.37086984911913	49.6206533639384
376	46256	-123441.1413	833317.3170250766	39.16269898204062	-101.2346286	306933.51019099343	3372.310.6473011	3302.100501478607	3183.0509628545474	3132.50014087872	3130.094084815813	50.5530487	53.04957803734126
377	46257	-122781.1413	833317.3170250766	39.16270736520976	-101.2323208	307134.58001247497	3372.20652539971	3300.257654364672	3181.8197278996918	3130.8589800256714	3129.206256399428	50.96283767399034	52.61347150023357
378	46258	-122121.1413	833317.3170250766	39.1627153659494	-101.2299751	307325.5496	3372.10.6164891	3298.414811214235	3180.528407309836	3128.062405247054	3127.9893684239282	51.44580248512921	52.5390388590539
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381	46261	-120141.1413	833317.3170250766	39.1627404902361	-101.222948	307938.8574061234	3372.018914663917	3296.706604833087	3176.3519301252713	3121.9437959816446	3121.660828344013	54.00814314362674	54.69100178087001
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387	46267	-116181.1413	833317.3170250766	39.162788726319306	-101.209342	309145.2678422745	3372.01842403265	3298.7409492347692	3166.764120146403	3109.3275897816035	3109.12889146403	54.43622524799456	57.6230025625186
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389	46269	-114861.1413	833317.3170250766	39.16280445921515	-101.2043807	309547.4015350593	3372.01751783	3296.18450438798	3163.281491732224	3109.678487692295	3109.678487692295	53.589691480927134	53.589691480927134
390	46270	-114201.1413	833317.3170250766	39.16281226	-101.202039	309748.47052788123	3372.0153.764	3292.906281935812	3161.473289264804	3109.2999430419377	3109.0477911809991	52.42537745449881	
391	46271	-113541.1413	833317.3170250766	39.162820012342785	-101.1997204	309937.7571785035	3372.014974700725	3293.937786933679	3159.562393663679	3108.958919487457	3108.102741549833	51.11256538833338	51.11256538833338
392	46272	-112881.1413	833317.3170250766	39.162827772	-101.1974004	310150.57177933	3372.01726019328	3292.30200750053	3157.1187	3107.49555527965	3107.49555527965	50.8291511173174	50.8291511173174
393	46273	-112221.1413	833317.3170250766	39.1628338570211	-101.1950738	310351.6175325445	3372.0174062467	3292.67204754633	3155.947524	3106.294556597677	3106.294556597677	50.8291511173174	50.8291511173174
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401	46281	-106941.1413	833317.3170250766	39.16289508145376	-101.1764595	311960.196936073	3372.01595370135	3287.52192134284	3141.4847064724	3093.018782543737	3093.018782543737	47.4255424982778	
402	46282	-106281.1413	833317.3170250766	39.16290341182864	-101.1741327	312161.26451614976	3372.01505.48	3265.71249312033	3138.7597595826161	3091.35364031695	3091.35364031695	47.40611925116673	47.40611925116673
403	46283	-105621.1413	833317.3170250766	39.16290555969705	-101.171806	312362.32947891334	3372.01635162184	3262.96758451862	3136.840574067856	3090.155196198994	3090.155196198994	47.36873768885475	47.36873768885475
404	46284	-104961.1413	833317.3170250766	39.16291672581431	-101.1694792	312563.394257657	3372.0153021559	3258.286354927065	3134.925463720058	3088.406425121014	3088.406425121014	46.3824135911272	46.3824135911272
405	46285	-104301.1413	833317.3170250766	39.16292466971666	-101.167249	312763.52662262	3372.0161733752	3257.084613185219	3134.925463720058	3088.406425121014	3088.406425121014	46.3824135911272	46.3824135911272
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407	46287	-102981.1413	833317.3170250766	39.16293797	-101.162489	313166.58749009085	3372.01598424621	3246.723386771677	3129.21868260909	3083.701016914085	3083.701016914085	45.517665704068	45.517665704068
408	46288	-102321.1413	833317.3170250766	39.16294655769966	-101.1601721	313367.651531693	3372.01598424621	3240.002215102067	3127.33361824534	3082.174702592155	3082.174702592155	45.517665704068	45.517665704068

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.r/L	BRIEVELogKg.r	BRIEVEBothKg.r	SatThkLog.r	SatThkBoth.r	
489	63	46369	-48861.14133	833317.3170250766	-96.16336187943497	-100.9717024	229653.24941499485	343756.742538355	3128.339604727627	297.8464169234649	2930.715463644882	2930.5147056906053	47.9459463759573
490	63	46370	-48862.1401133	833317.3170250766	-96.1633652	-100.9693796	229654.2991258479	343752.741	3123.646513088977	2927.836155188314	2927.491878547243	48.12308108524564	49.46464744249761
491	63	46371	-4361.14133	833317.3170250766	-96.16336862003026	-100.9674788	229655.2496773095	343767.73955904	3123.202819135824	2924.89106805071	2924.3914025968168	50.8678191869222	51.0843990454981
492	63	46372	-46881.14133	833317.3170250766	-96.1633672	-100.964722	32056.5904884366	343734.7305047	3121.046851853065	2974.023102171141	2921.38320051712	52.93490365429054	52.63948936429054
493	63	46373	-4622.14133	833317.3170250766	-96.1633672	-100.9623952	304057.4472613963	343760.73373011	3118.890385719633	2972.596234487673	2919.01899971899	58.68533451573775	54.0407476137511
494	63	46374	-45621.14133	833317.3170250766	-96.1633779185044	-100.9600684	33065.49630823583	343763.73645652	3117.743525289448	2971.194425801691	2917.515944015683	63.622314012417	63.4121551606303
495	63	46375	-44901.14133	833317.3170250766	-96.16336185190414	-100.9577416	33085.5451896328	343762.73517146	3114.211568684464	2969.815793528594	2918.792853	65.139365744196	65.02294416202399
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497	63	46377	-4361.14133	833317.3170250766	-96.16336707718214	-100.9563088	324181.6245654293	343764.734818333	3123.4016884599	2967.1280062700946	2917.36820442394	73.525988277058	73.61480118372096
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499	63	46379	-42261.14133	833317.3170250766	-96.1633923266751	-100.9484344	331663.730643627	343761.7347602025	3102.797810061266	2964.505026002073	2913.8693600806304	90.58316249166976	90.743075805713035
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501	63	46381	-41041.14133	833317.3170250766	-96.16339858842024	-100.9437808	332065.8350141259	343763.733500691	3100.4931173142217	2961.96938	2909.189105996724	126.78027426063578	126.7802746798297
502	63	46382	-40281.14133	833317.3170250766	-96.1634013538732	-100.941454	33226.82462476635	343764.733830099	3095.0208142582565	2960.730515333941	2908.526285928739	150.72905433966024	150.72905433966024
503	63	46383	-39621.14133	833317.3170250766	-96.16340074326162	-100.9391722	332467.9304076164	343760.736337473	3093.2343969591174	2959.5072945004513	2908.748189029393	169.70910549745626	169.70910549745626
504	63	46384	-38961.14133	833317.3170250766	-96.16340674994685	-100.9368124	33268.977808822	343766.734714022	3092.251209178805	2958.290261333005	2909.260032	190.4553447364728	190.4553447364728
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506	63	46386	-37641.14133	833317.3170250766	-96.16341197	-100.9321468	333071.0721211726	343763.739705944	3090.28662357199	2955.933004528503	2909.5145637	219.810276868397	219.810276868397
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512	63	46392	-33681.14133	833317.3170250766	-96.1634253513434	-100.918186	33427.351151043	343769.750275395	307.41447191850146	2949.41598428045	2908.339276567833	320.4654501257186	320.4654501257186
513	63	46393	-33021.14133	833317.3170250766	-96.1634280758977	-100.9158592	334478.3970841325	343765.75208916	3074.245373850146	2949.41598428045	2908.787219435512	339.078720496156	339.078720496156
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515	63	46395	-31701.14133	833317.3170250766	-96.16343321491726	-100.9112056	33480.4848803964	343765.75863777	3069.493782642646	2946.62500564782	2911.76258713472	359.05606117921	359.05606117921
516	63	46396	-31041.14133	833317.3170250766	-96.1634353115939	-100.9088788	335081.53333671	343766.76161145	3069.605053057215	2945.796969438176	2911.6631514545033	371.568208511671	371.568208511671
517	63	46397	-30381.14133	833317.3170250766	-96.1634379059296	-100.9069159	335281.62529986	343767.76451613	3068.7318768497	2944.917819876783	2910.0514683561723	391.0514683561723	391.0514683561723
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521	63	46401	-27741.14133	833317.3170250766	-96.16344535824392	-100.8972448	33606.787899175	343768.771913027	3061.135695176874	2941.688934477715	2901.079344149365	468.095596034865	468.095596034865
522	63	46402	-27081.14133	833317.3170250766	-96.1634472483103	-100.894918	336287.803205043	343766.7843783	3057.64838496078	2940.898143600767	2908.316711445541	488.190228960774	488.190228960774
523	63	46403	-26421.14133	833317.3170250766	-96.163449905	-100.8929182	336488.6477113308	343768.77335339	3055.666891950874	2940.107295784346	2905.22184452847	508.089525862043	508.089525862043
524	63	46404	-25761.14133	833317.3170250766	-96.16345282142681	-100.8902453	33669.8917620567	343769.781761082	3053.16250958242	2940.8049194324046	2902.9609143109	528.0609143109	528.0609143109
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526	63	46406	-24441.14133	833317.3170250766	-96.1634544714685	-100.8856107	337091.976471372	343768.80097301	3050.224151279532	2937.70496012222	2907.572312189266	568.6987296808798	568.6987296808798
527	63	46407	-23781.14133	833317.3170250766	-96.16345588361762	-100.8838239	337293.023411618	343766.805899161	3050.042124922559	2936.89103588017	2905.861030852014	588.364648234546	588.364648234546
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529	63	46409	-22461.14133	833317.3170250766	-96.1634593252932	-100.8786393	337695.11025289	343769.81876933	3050.243911781874	2935.22208	2905.855000100254	628.36770370913827	628.36770370913827
530	63	46410	-21801.14133	833317.3170250766	-96.1634605395702	-100.8763309	337896.1534711083	343769.821602038	3050.291504710448	2934.360919225337	2905.741565529698	648.167536932898	648.167536932898
531	63	46411	-21141.14133	833317.3170250766	-96.1634629176786	-100.874015	338087.196	343770.820911631	3050.34239114474413	2933.4239114474413	2905.78239114474413	668.39103991491	668.39103991491
532	63	46412	-20481.14133	833317.3170250766	-96.1634641882216	-100.8716399	338298.2394340675	343768.83262616	3050.389170310047	2932.6190732013583	2905.731545687713	688.122665474779	688.122665474779
533	63	46413	-19821.14133	833317.3170250766	-96.1634679103319	-100.8693231	338489.2827179669	343769.838504081	3053.591238520086	2931.722720585096	2904.81400136078	708.6421859219735	708.6421859219735
534	63	46414	-19161.14133	833317.3170250766	-96.1634661183093	-100.8669963	338700.3247646655	343768.848042019	3053.2935067279196	2930.812175446414	2905.798758055556	728.052168401585	728.052168401585
535	63	46415	-18501.14133	833317.3170250766	-96.16346740062357	-100.8646695	338901.367194662	343768.851313138	3052.881109569717	2929.8842114609256	2906.3884160123087	748.059008486161	748.059008486161
536	63	46416	-17841.14133	833317.3170250766	-96.1634683000561	-100.8623427	339102.409672643	343769.858776274	3053.4819646813254	2928.911672138895	2906.3880023783813	768.322368174643	768.322368174643
537	63	46417	-17181.14133	833317.3170250766	-96.16346901544342	-100.8600159	339303						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft	
615	61	46495	34298.8586730335	33.33171370250766	39.163424370216035	-0.00789251	534984.2702271235	34263523.919	2907.77503310203	2746.723734036064	2746.2041351840144	2744.7285975185146	79.1959885259203	79.195361851909184
616	61	46496	34298.8586730335	33.33171370250766	39.163427112132514	-0.00781983	555185.3005694756	4736246.393128601	2907.251728924738	2822.9006128972825	2744.400467878028	2744.727779541415	78.3856941104755	80.06638435314083
617	61	46497	34298.8586730335	33.33171370250766	39.163419691091375	-0.00787175	553396.33061710057	4736246.393128601	2908.728427138383	2820.835178747185	2741.52362737866325	2741.01171746666325	79.3233478653205	79.84400017089487
618	61	46498	34278.8586730335	33.33171370250766	39.163417611759	-0.00715447	55587.3600839005	436241.98	2906.2051250719376	2818.91974012857	2735.622551509352	2735.622551509352	78.1868009026984	83.29717167244023
619	61	46499	36938.8586730335	33.33171370250766	39.16341466822263	-0.00692179	35578.390054797	436238.301328064	2902.809242051765	2816.885964090635	2729.67680696976	2728.630951177894	77.3091543906238	88.3460139667474
620	62	46500	37598.8586730335	33.33171370250766	39.1634121303625	-0.00668911	355989.4206616417	436230.422408054	2896.54078377559	2815.068700909634	2722.473483696204	2720.676980472707	76.32983969559	94.3798989179105
621	62	46501	38258.8586730335	33.33171370250766	39.1634095475669	-0.00645643	356190.540325893	436230.043662575	2890.27232732375	2813.13315718542	2714.889054920529	2714.877296604008	76.2440882159532	99.65865301144972
622	62	46502	38918.8586730335	33.33171370250766	39.16340691982381	-0.00622375	356391.4799	436230.06092804	2890.383870597463	2811.215114503744	2706.914416504049	2705.645129529737	74.3006979969651	105.5691121090501
623	62	46503	39578.8586730335	33.33171370250766	39.16340417413795	-0.00599107	356592.5082441817	436230.06092804	2890.72826188887	2809.330027173822	2698.951121677442	2687.5654852427587	110.3688103999308	110.750847463535
624	62	46504	40238.8586730335	33.33171370250766	39.1634015250081	-0.00574383	356793.534832256	436218.10846498	2884.033615857758	2807.397165749077	2706.439610567675	2704.796856502373	101.905751157122	102.6273106221781
625	62	46505	40898.8586730335	33.33171370250766	39.1633987663652	-0.00552571	356984.56703837844	436218.103414968	2885.152507676486	2805.4885302968	2713.4522211727278	2713.197303061284	97.3637318566241	92.30102237699338
626	62	46506	41558.8586730335	33.33171370250766	39.16339569420995	-0.00529303	357195.59657484095	436210.152337047	2886.265653701526	2803.608709103965	2712.83510318024	2710.510019104766	81.7730652923772	82.0968260563065
627	62	46507	42218.8586730335	33.33171370250766	39.1633910966234	-0.00506035	357396.6240791875	436206.172883776	2881.7265178219067	2801.7265178219067	2710.509565538333	2710.322223095678	76.40942472683414	90.49429742683414
628	62	46508	42878.8586730335	33.33171370250766	39.1633902056052	-0.00482767	357997.6541025191	436202.197130135	2878.947684260007	2799.8525570072047	2743.456848609526	2743.8018211739526	56.395708397678845	56.50735986522094
629	62	46509	43538.8586730335	33.33171370250766	39.16338727715592	-0.00459499	357798.6825914335	436198.21944719	2877.031321297966	2797.7716023327	2759.205925736439	2759.205925736439	47.737733014	67.7733014
630	62	46510	44198.8586730335	33.33171370250766	39.1633842790525	-0.00436231	357999.711718271	436194.242759078	2865.149816974785	2796.129825859046	2751.758207768496	2752.39100414911	44.3707917905595	63.7392171009439
631	62	46511	44858.8586730335	33.33171370250766	39.1633814768458	-0.00412963	358200.739458912	436190.265748956	2859.135864162108	2794.2792973632386	2746.05210664824	2746.962676883254	48.2271907131453	73.1616207491319
632	62	46512	45518.8586730335	33.33171370250766	39.16337817052126	-0.00389695	358401.767025146	436186.289123696	2854.177917632608	2792.43746690206	2742.1642074819256	2742.937110964318	52.70272921	67.50037573
633	62	46513	46178.8586730335	33.33171370250766	39.16337504840236	-0.00366427	358602.7956089104	436182.312	2848.19808282126	2790.6040142004326	2740.172798082734	2743.4020715823654	57.2143239215924	57.2143239215924
634	62	46514	46838.8586730335	33.33171370250766	39.16337188134184	-0.00343159	358803.82348722574	436178.3757592	2844.200419203265	2788.79842633421	2740.513598	2740.513598	46.2633445799016	51.580874599016
635	62	46515	47498.8586730335	33.33171370250766	39.16336989338006	-0.00319891	359004.85512106922	436174.35303718	2838.214360085712	2786.961966648923	2742.174247625604	2740.676928167334	47.27873884369186	46.2805483015592
636	62	46516	48158.8586730335	33.33171370250766	39.16335641289106	-0.00296262	359205.878005185	436170.39341165	2831.221459	2785.16768077283	2744.1924092638	2743.70143451137	46.966830490927	41.42261486259674
637	62	46517	48818.8586730335	33.33171370250766	39.16334316535581	-0.00273071	359406.969299012	436164.25518016	2798.02586421476	2784.02586421476	2742.19857485938	2742.19857485938	51.22552454485604	51.22552454485604
638	62	46518	49478.8586730335	33.33171370250766	39.1633357368762	-0.00250087	359607.93385905026	436162.41536352	2817.235104077864	2781.55627846325	2741.709464067571	2742.0383132195267	48.946143951406	49.3746524429829
639	62	46519	50138.8586730335	33.33171370250766	39.1633257189155	-0.00226819	359808.96077617106	436158.15944275	2811.966971879767	2779.768494330923	2736.860461514825	2737.294377565194	43.826771744006	42.4741167762282
640	62	46520	50798.8586730335	33.33171370250766	39.1633159517218	-0.00203551	360009.987274646	436154.504567865	2808.423863217	2777.98757766269	2732.167410486623	2732.4303730815814	45.8201671760474	45.552068468772
641	62	46521	51458.8586730335	33.33171370250766	39.16334845350973	-0.00180283	360211.0147431376	436150.505190958	2804.76235873418	2776.2132451587668	2728.0294027691426	2728.1286543340413	48.12197467105	48.0845982
642	62	46522	52118.8586730335	33.33171370250766	39.163344526904216	-0.00157105	360412.0145233943	436146.35008888	2803.37108585967	2774.452597861757	2742.789578	2742.45444247748	49.65581134017569	49.99081731167689
643	62	46523	52778.8586730335	33.33171370250766	39.16334136535581	-0.00134372	360613.16882	436142.35518016	2798.02586421476	2774.02586421476	2742.19857485938	2742.19857485938	51.22552454485604	51.22552454485604
644	62	46524	53438.8586730335	33.33171370250766	39.16333733884305	-0.00111477	360814.358040575	436138.58040575	2797.945237610653	2770.821513373757	2742.19857485938	2742.19857485938	51.600376259195	51.600376259195
645	62	46525	54098.8586730335	33.33171370250766	39.1633307742924	-0.00087211	361015.12105370883	436134.605824218	2796.864234100546	2769.174043312706	2719.1729235298058	2718.46554412505	50.0011202	50.7693831876566
646	62	46526	54758.8586730335	33.33171370250766	39.163330371051444	-0.00063343	361216.1472943437	436130.36141617	2796.78400644424	2767.42683199107	2718.58187554548	2718.58187554548	48.846214595286636	49.5684436439623
647	62	46527	55418.8586730335	33.33171370250766	39.163326619730626	-0.00040675	361417.1734	436126.6571812	2794.273245025153	2765.683362	2717.924396051497	2717.924396051497	47.7590021189201	48.3682054283081
648	62	46528	56078.8586730335	33.33171370250766	39.163322346677	-0.00017407	361618.199372632	436122.8831202675	2793.12776997483	2763.941095655795	2716.92385334733	2717.050314	46.910522422605	46.910522422605
649	62	46529	56738.8586730335	33.33171370250766	39.16331398	-0.00013994	3617918.705	436118.705	2790.19883457208	2762.20246473737	2745.000198829395	2745.000198829395	46.7699340480898	46.7699340480898
650	62	46530	57398.8586730335	33.33171370250766	39.163310150610998	-0.00010781	362020.590146963	436114.735517095	2790.19883457208	2762.20246473737	2745.000198829395	2745.000198829395	47.19843535939	47.19843535939
651	62	46531	58058.8586730335	33.33171370250766	39.163311165017035	-0.00010781	362221.2765	436110.76197675	2796.864234100546	2768.7585478578904	2708.1930379164055	2709.804721247066	48.9542168602487	48.9542168602487
652	62	46532	58718.8586730335	33.33171370250766	39.16330719	-0.00013994	362422.3019230319	436106.78869003	2796.4511115082024	2775.054061487615	2705.563966041934	2705.922551887456	51.40190543	51.122362915678
653	62	46533	59378.8586730335	33.33171370250766	39.163303168002166	-0.00010781	362623.3272272013	436102.51415481	2796.4511115082024	2775.054061487615	2705.563966041934	2705.922551887456	51.40190543	51.122362915678
654	62	46534	60038.8586730335	33.33171370250766	39.1632991028002	-0.00010781	362824.3523984076	436098.82439498	2795.595038252676	2773.74680796364	2716.398111646819	2716.398111646819	47.3496914774511	47.3496914774511
655	62	46535	60698.8586730335	33.33171370250766	39.1632949121532	-0.00010781	363025.3734865616	436094.86955748	2795.595038252676	2773.74680796364	2716.398111646819	2716.398111646819	47.3496914774511	47.3496914774511
656	62	46536	61358.8586730335	33.33171370250766	39.16329084	-0.00013994	363226.4024327514	436090.8987137	2795.595038252676	2773.74680796364	2716.398111646819	2716.398111646819	47.3496914774511	47.3496914774511
657	62	46537	62018.8586730335	33.33171370250766	39.16328678388405	-0.00010781	363427.4327163827	436086.9294232	2795.595038252676	2773.74680796364	2716.398111646819	2716.398111646819	47.3496914774511	47.3496914774511
658	62	46538	62678.8586730335	33.33171370250766	39.16328238896706	-0.00010781	363628.451757698	436082.95832042913	2795.595038252676	2773.74680796364	2716.398111646819	2716.398111646819	47.3496914774511	47.3496914774511
659	62	46539	63338.85											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogs.ft	BRIElevLogs.ft	SatHLogs.ft	SatHLogs.ft
1	64	46621	-370941.1413	83397.3170250766	39.1581995376416664	-102.10713718	231521.2513328974	4338931.8002759048	401.9461707683395	3681.7918476858777	3792.894875176358	3792.86730887911	68.82843586979645	68.82843586979645
2	64	46622	-370921.1413	83397.3170250766	39.15822477920426	-102.1048504	231722.406426036	4338927.712	4008.2126980746516	3680.4860578092633	3784.038004112596	3784.06466159069	76.43005297666741	76.43005297666741
3	64	46623	-369621.1413	83397.3170250766	39.158249962323566	-102.102429	231933.5612973572	4338923.524400268	4006.907252923225	3689.143396	3775.580102271467	3775.478647325283	83.6634888984522	83.6634888984522
4	64	46624	-368681.1413	83397.3170250766	39.15827510863596	-102.1001258	232174.175880317	4338915.536700298	4002.8935313421	3681.07761463141	3763.6136943302843	3765.15312665324	92.43003814856829	92.43003814856829
5	64	46625	-368301.1413	83397.3170250766	39.1583020910496	-102.0978261	232325.8701975486	4338915.446310978	4009.1524717031816	3686.490420353763	3755.6705146887534	3756.362746616756	100.8156273470281	100.8156273470281
6	64	46626	-367641.1413	83397.3170250766	39.1583256464271	-102.0954997	232527.0242905334	4338912.26320358	4005.16204363366	3746.309077734809	3745.851404029294	3745.851404029294	103.361027084199	103.361027084199
7	64	46627	-366981.1413	83397.3170250766	39.1583502754911	-102.0931733	232728.17803512764	4338907.274921314	4009.825631651476	3683.831353475697	3740.217660505116	3739.602385130747	113.6154748244784	113.6154748244784
8	64	46628	-366321.1413	83397.3170250766	39.15837540924144	-102.0908469	232929.33155594836	4338903.187796402	4007.804312375595	3682.5033763160272	3739.5321369303947	3737.973063639497	112.9708403683253	112.9708403683253
9	64	46629	-365661.1413	83397.3170250766	39.15840115697736	-102.0886256	233100.464611729217	4338898.912019151	4006.7389149899174	3681.1728073689174	3742.907386352983	3742.758365463627	108.26550120287128	108.26550120287128
10	64	46630	-365001.1413	83397.3170250766	39.15842504	-102.0861594	233331.6378027363	4338895.016426038	4003.76157382353	3684.01404581563	3747.958011655953	3747.945201055698	101.8937325249672	101.8937325249672
11	64	46631	-364341.1413	83397.3170250766	39.15844987	-102.0836876	233332.790628929	4338890.923040079	4001.670011526818	3684.50380588482	3753.2874570338545	3753.2874570338545	95.13769354073655	95.13769354073655
12	64	46632	-363681.1413	83397.3170250766	39.1584746530953	-102.0815412	233733.9429908874	4338886.824018241	3999.505077020668	3647.1753673721705	3754.349797252967	3754.349797252967	88.82527011902335	88.82527011902335
13	64	46633	-363021.1413	83397.3170250766	39.1584993532698	-102.0792147	233935.0951885183	4338882.755974861	3997.34895080518	3645.84194365621827	3763.4671736293488	3762.7023236135448	82.3746993282417	82.3746993282417
14	64	46634	-362361.1413	83397.3170250766	39.15852404914275	-102.0768883	234136.2471222302	4338876.7610199295	3995.18812573291	3644.508905563301	3767.7549751493504	3768.322073893115	76.75312014869542	76.75312014869542
15	64	46635	-361701.1413	83397.3170250766	39.15854874256836	-102.0745619	234337.39875920758	4338874.584243435	3993.17404133029	3643.1739474260147	3772.5194897504225	3772.5194897504225	69.84048462533589	69.84048462533589
16	64	46636	-361041.1413	83397.3170250766	39.1585733878913	-102.0722254	234538.5501983271	4338870.488915394	3991.30689193777	3641.83964958308	3773.7307971580954	3774.353513356466	67.48618124166205	67.48618124166205
17	64	46637	-360381.1413	83397.3170250766	39.15859791007968	-102.069099	234739.70141277532	4338864.61588779	3989.4335024190875	3640.5053756211584	3769.549439821023	3769.17609634462	65.95503598013556	65.95503598013556
18	64	46638	-359721.1413	83397.3170250766	39.1586222643835	-102.0675826	234940.852203322	4338862.23434586	3987.57011901875	3639.17140139802	3767.4155518133716	3765.96246357218	71.7555832643037	71.7555832643037
19	64	46639	-359061.1413	83397.3170250766	39.1586468786512	-102.0652261	235142.0028370455	4338868.23461808	3985.700972444088	3637.837117357593	3767.430159994636	3767.999122507342	70.40695736312318	70.40695736312318
20	64	46640	-358401.1413	83397.3170250766	39.15867132435998	-102.0629297	235343.153191391	4338864.158667447	3983.86263688388	3636.503439212498	3768.343403032196	3765.166313	71.3712739568813	71.3712739568813
21	64	46641	-357741.1413	83397.3170250766	39.15869570922845	-102.0606032	235544.3032826996	4338860.07401487	3981.950760578234	3635.184802712403	3769.6416820124537	3765.606626239944	65.5267207	65.5267207
22	64	46642	-357081.1413	83397.3170250766	39.1587200425356	-102.0582768	235745.453111634	4338856.969613924	3980.1705761690176	3633.829956584747	3770.821711336504	3770.821711336504	63.0285430106704	63.0285430106704
23	64	46643	-356421.1413	83397.3170250766	39.15874496345244	-102.0559594	235943.628474003	4338851.952411648	3978.258196570752	3632.95195426598	3780.17553178424	3780.17553178424	60.97373412162394	60.97373412162394
24	64	46644	-355761.1413	83397.3170250766	39.1587698101909	-102.0536239	236147.1598321167	4338837.821737394	3977.862097663597	3631.1448178561386	3781.8845733873136	3780.6278576465127	59.292043488772	59.292043488772
25	64	46645	-355101.1413	83397.3170250766	39.1587927826535	-102.0512975	236348.9010262585	4338833.7317371567	3977.01918084842	3629.808647918036	3772.633064200336	3776.1247389294657	57.1473829214677	57.1473829214677
26	64	46646	-354441.1413	83397.3170250766	39.15881693755816	-102.048971	236550.0498075446	4338829.6534753	3976.160952404602	3628.47565107496	3783.1654059286504	3785.65276771746	55.10315557764567	55.10315557764567
27	64	46647	-353781.1413	83397.3170250766	39.158841051725815	-102.0466446	236751.1983279025	4338824.50101084	3974.644885315603	3627.51103323799	3783.634985043156	3785.9107471248276	53.6161182806278	53.6161182806278
28	64	46648	-353121.1413	83397.3170250766	39.158865118763336	-102.0443181	236962.3466860915	4338821.464734555	3972.4837138233566	3625.8335858256472	3784.1868240712906	3784.040322552712	51.64676146135662	51.64676146135662
29	64	46649	-352461.1413	83397.3170250766	39.1588894	-102.0420764	237153.4964869775	4338817.43245211648	3970.62519687752	3624.95195426598	3789.17553178424	3789.17553178424	49.55898877812552	49.55898877812552
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31	64	46651	-351141.1413	83397.3170250766	39.158937050294256	-102.0373827	237555.7898911568	4338809.23700681	3965.85419529274	3621.821265756333	3777.0827562350955	3767.3888477601026	45.83809521237484	45.83809521237484
32	64	46652	-350481.1413	83397.3170250766	39.15896093760228	-102.0350123	237756.93711560423	4338805.155064741	3963.54088038047	3620.628961025947	3778.085900003875	3778.085900003875	43.5430610255938	43.5430610255938
33	64	46653	-349821.1413	83397.3170250766	39.1589847799777	-102.032858	237958.0840719761	4338801.07251129	3961.272566727258	3619.3416588870633	3780.149241760269	3789.677651260287	39.1924212679432	39.1924212679432
34	64	46654	-349161.1413	83397.3170250766	39.159008577420686	-102.0303593	238159.2307664346	4338796.900723828	3958.914251175023	3618.057075987733	3782.544112261833	3782.544112261833	36.51319534	36.51319534
35	64	46655	-348501.1413	83397.3170250766	39.1590322593059	-102.0280329	238360.3772051898	4338792.980154441	3956.959486881293	3616.777618811285	3785.483658466806	3785.483658466806	34.20135824026	34.20135824026
36	64	46656	-347841.1413	83397.3170250766	39.1590564	-102.0257684	238561.6238644003	4338789.421211648	3954.9016587052	3615.59195426598	3790.17553178424	3790.17553178424	32.04202942568	32.04202942568
37	64	46657	-347181.1413	83397.3170250766	39.15907901015362	-102.02338	238762.6690309524	4338784.74451784	3948.61705540921	3614.230431780879	3793.3639363543616	3785.7198263349516	28.866495426517304	28.866495426517304
38	64	46658	-346521.1413	83397.3170250766	39.1591031786571	-102.0210535	238963.614959206	4338780.66267699	3945.240832474367	3612.963041953438	3797.336412342059	3787.405441869087	26.562961137903	26.562961137903
39	64	46659	-345861.1413	83397.3170250766	39.15912689	-102.018727	239164.9603592373	4338776.81	3942.07605918473	3611.6969923334327	3794.3412688186972	3789.323587707838	24.358234753478	24.358234753478
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41	64	46661	-344541.1413	83397.3170250766	39.15917390140527	-102.0140741	239567.2038335336	4338768.4189185127	3936.57238425605	3609.187299798173	3787.623035209477	3785.546540866794	20.6752458867639	20.6752458867639
42	64	46662	-343881.1413	83397.3170250766	39.15919739356978	-102.0117476	23978.3965070024	4338764.33814142	3933.801711301584	3607.941686332762	3777.799493935267	3784.036437766687	18.40118693525216	18.40118693525216
43	64	46663	-343221.1413	83397.3170250766	39.15922133869768	-102.0094254	239993.6238644003	4338759.4189185127	3931.62519687752	3606.712817761817	3780.17553178424	3780.17553178424	16.34202942568	16.34202942568
44	64	46664	-342561.1413	83397.3170250766	39.159244005485454	-102.007046	240170.6834030095	4338756.177106948	3929.471471139284	3605.471471139284	3783.64444002015	3783.64444002015	14.25848474877332	14.25848474877332
45	64	46665	-341901.1413	83397.3170250766	39.15926738	-102.0047682	240371.8273397585	4338752.096770719</						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogKgr.ft	BREIEVLogKgr.ft	SatThkLgts.	SatThkBoth.
127	64	46747	-28781.1413	83397.3170250766	39.1610253341206	-101.8139921	256864.76604870774	433848.115125441	3769.759547073051	3645.290387249803	3601.91327570395	3632.7007142395846	43.37711150458517	12.520373021325668
128	64	46748	-28721.1413	83397.3170250766	39.16104449700443	-101.8116625	257065.8892526858	433844.104956006	3766.96359	3643.0154548108158	3600.637252230774	3627.3910056904238	42.3780258004194	15.62444812
129	64	46749	-28661.1413	83397.3170250766	39.16104449700443	-101.8093389	25787.0116891126	433849.8948172365	3762.168370524149	3640.760919816786	3602.1696673049177	3636.5891203495275	38.599861834700035	14.171799270151041
130	64	46750	-28580.1413	83397.3170250766	39.16103831937976	-101.807013	257468.1348665573	433840.519826332	3758.37272246098	3638.525402109526	3640.829095127934	3625.968576655296	33.696535482879496	12.56673555423004
131	64	46751	-28541.1413	83397.3170250766	39.1611033816265	-101.8046857	257669.2573282015	433840.813592999	3763.7142554744367	3636.3071914154066	3607.5589328298315	3626.8501210687312	36.2685258557506	84.956980806675934
132	64	46752	-28481.1413	83397.3170250766	39.16112275200896	-101.8023591	257870.3796480155	433837.789057239	3760.4927910005444	3634.1030290690894	3609.944095455091	3627.170916	24.15982513399835	63.33041780135681
133	64	46753	-28382.1413	83397.3170250766	39.16114210918674	-101.8000325	258071.5015282169	433839.724398164	3763.1713262725916	3631.9129321	3611.9448864765923	3628.592977189391	19.96804412008732	3.319952996875904
134	64	46754	-28321.1413	83397.3170250766	39.161161404891736	-101.7977509	25872.62326900332	433839.659989728	3768.849611533938	3629.71754745865	3614.4639842326465	3629.71754745865	16.2677055039996	0.01304228015033043
135	64	46755	-28261.1413	83397.3170250766	39.1611696892815	-101.7953795	258473.7447706945	433839.595576947	3767.567762441045	3614.4275709859573	3610.97509859573	3630.0330746339398	13.282211445447956	0.01304228015033043
136	64	46756	-28184.1413	83397.3170250766	39.16119987082783	-101.7930527	25874.8660331898	433839.531	3757.473309104583	3625.387800890796	3614.57221550374	3627.73382570877	10.164793815055029	0.01304228015033043
137	64	46757	-28181.1413	83397.3170250766	39.16121904719076	-101.7907261	25885.8070658547	433837.4674661895	3750.999513238322	3623.219215361294	3614.240367980472	3625.078521	8.97847368822244	0.01304228015033043
138	64	46758	-28052.1413	83397.3170250766	39.1612381741692	-101.7883995	25907.1078421927	433837.403677243	3761.63566868615	3621.04971446303	3613.2044480330765	3621.0822002379446	7.84526430526408	0.01304228015033043
139	64	46759	-27986.1413	83397.3170250766	39.16125725070626	-101.7860729	259278.228389013	4338369.34	377.6956200083996	3618.6787098024523	3612.930516323166	3618.84559458129	5.946178170135681	0.031115221193431353
140	64	46760	-27920.1413	83397.3170250766	39.1612765085072	-101.7837463	259479.3486976302	433836.276321525	3761.53157266444	3616.697634411416	3610.965242789811	3614.75779068386	5.72330651330767	1.939857372755796
141	64	46761	-27851.1413	83397.3170250766	39.161295274474284	-101.7814917	25980.4897685351	4338361.23379955	3722.335125321533	3614.5099312106877	3608.880341	3612.8570838839	5.629990458	1.8258085222485005
142	64	46762	-27781.1413	83397.3170250766	39.1613142185295	-101.780031	259881.5888012376	4338357.19270425	3716.154877078087	3612.311134514127	3606.927703322935	3609.4983390732805	5.3843011942311	2.8127626832227
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144	64	46764	-27651.1413	83397.3170250766	39.16135197309933	-101.7744398	260283.8275545534	4338340.924637002	3715.142415541187	3607.871779813297	3604.412331037249	3605.700584817358	3.459484744008734	2.165811465369084
145	64	46765	-27590.1413	83397.3170250766	39.16137082766966	-101.7721132	260484.864673839	4338344.962172136	3716.86085447192757	3605.625766	3604.5011450832375	3605.1657671532937	1.264204663848476	0.461798396434603
146	64	46766	-27524.1413	83397.3170250766	39.16139954749735	-101.7697866	260686.065559212	4338340.065559212	3718.57929488343	3603.3647466078414	3605.2368512459293	3605.656710407793	0.01304228015033043	0.01304228015033043
147	64	46767	-27458.1413	83397.3170250766	39.16140827	-101.76746	260887.184206397	4338336.37685093	3720.082712276536	3601.081951393307	3606.066273933713	3606.42943970623	0.01304228015033043	0.01304228015033043
148	64	46768	-27392.1413	83397.3170250766	39.161426942147315	-101.7651334	261088.3026189897	4338332.77555442	3721.37106895854	3598.7780934377	3606.552467426597	3607.010368396103	0.01304228015033043	0.01304228015033043
149	64	46769	-27326.1413	83397.3170250766	39.16144567205654	-101.7628196	261305.420719157	4338329.131719157	3722.12625390065	3594.28071011638	3598.948270414151	3607.85715076796	0.01304228015033043	0.01304228015033043
150	64	46770	-27260.1413	83397.3170250766	39.161464517048414	-101.7604801	261490.532738195	4338324.65206098	3723.947896133636	3594.1043289984157	3606.640577574738	3608.590277052233	0.01304228015033043	0.01304228015033043
151	64	46771	-27194.1413	83397.3170250766	39.16148287093311	-101.7581535	261691.8554	4338320.598083601	3726.7813426365107	3591.733726365107	3606.418502800324	3608.6540073906074	0.01304228015033043	0.01304228015033043
152	64	46772	-27128.1413	83397.3170250766	39.161501919	-101.7558269	261892.738901772	4338316.529277233	3731.1597569813744	3589.340558819975	3606.12332215407	3607.7126245014	0.01304228015033043	0.01304228015033043
153	64	46773	-27062.1413	83397.3170250766	39.161519642370585	-101.7530033	262093.8912890512	4338312.468151612	3735.5381993401506	3586.925431115364	3606.02600431305	3607.88258550836	0.01304228015033043	0.01304228015033043
154	64	46774	-26996.1413	83397.3170250766	39.16153804763987	-101.7511376	262295.00812471594	4338308.407203495	3738.9164716989274	3579.85387472026	3606.8137496620625	3607.9199071714117	0.01304228015033043	0.01304228015033043
155	64	46775	-26930.1413	83397.3170250766	39.16155681693351	-101.7488678	262496.1248	4338302.92478744	3740.749719949693	3582.038711815446	3606.486232735365	3608.97353632472	0.01304228015033043	0.01304228015033043
156	64	46776	-26864.1413	83397.3170250766	39.1615747235463	-101.7465304	262697.241410372	4338300.2853839	3746.073780225177	3579.5516080191287	3605.2100418	3608.13277134016	0.01304228015033043	0.01304228015033043
157	64	46777	-26798.1413	83397.3170250766	39.1615929367707	-101.7441398	262898.3570190577	4338296.225440252	3735.3250585480837	3577.052267292577	3604.986667215059	3608.215091182155	0.01304228015033043	0.01304228015033043
158	64	46778	-26732.1413	83397.3170250766	39.16161121916005	-101.7418671	263099.4738	4338292.1651858585	3732.612737	3574.533797658082	3604.553490800317	3608.0988108386	0.01304228015033043	0.01304228015033043
159	64	46779	-26666.1413	83397.3170250766	39.1616293970554	-101.7395405	263300.5898057495	4338288.105125128	3729.809440032325	3571.9968589811937	3603.5170304368808	3607.2744652153895	0.01304228015033043	0.01304228015033043
160	64	46780	-26601.1413	83397.3170250766	39.1616475323242	-101.7372139	263501.7052666004	4338284.05239834	3726.915164851104	3569.441688263673	3601.965283279467	3607.3384687474872	0.01304228015033043	0.01304228015033043
161	64	46781	-26534.1413	83397.3170250766	39.16166562590734	-101.7348872	263702.8206228989	4338279.958354009	3724.020899378878	3566.895253414485	3599.7011097174534	3607.3303500542719	0.01304228015033043	0.01304228015033043
162	64	46782	-26468.1413	83397.3170250766	39.1616838177235	-101.7325964	263903.420719157	4338275.92478744	3721.12625390065	3564.28071011638	3598.948270414151	3607.85715076796	0.01304228015033043	0.01304228015033043
163	64	46783	-26402.1413	83397.3170250766	39.16170167252037	-101.730234	264105.0505307126	4338270.887662	3718.07121281806	3559.1678039298156	3594.3851725904	3603.212861031765	0.01304228015033043	0.01304228015033043
164	64	46784	-26336.1413	83397.3170250766	39.161719628377654	-101.7279073	264306.165284162	4338267.807481159	3710.7775973179105	3559.034087710337	3591.622296449646	3599.742577425454	0.01304228015033043	0.01304228015033043
165	64	46785	-26270.1413	83397.3170250766	39.16173732929722	-101.7255807	264507.2797052076	4338263.84845061	3704.80438714818	3556.437259	3589.545947746983	3595.9970840667185	0.01304228015033043	0.01304228015033043
166	64	46786	-26204.1413	83397.3170250766	39.16175540523004	-101.7232541	264708.389931447	4338259.69	3698.90407585719	3553.8002323005817	3587.49956714665	3592.6521922567805	0.01304228015033043	0.01304228015033043
167	64	46787	-26138.1413	83397.3170250766	39.1617732632305	-101.7209274	264909.507844839	4338255.631025103	3694.017545640582	3551.153486242185	3589.259195091453	3589.359685665057	0.01304228015033043	0.01304228015033043
168	64	46788	-26072.1413	83397.3170250766	39.16179100429251	-101.7184008	265101.6215712959	4338251.5726122	3690.17041669274	3548.500189153791	3585.049408	3585.97179385546	0.01304228015033043	0.01304228015033043
169	64	46789	-26006.1413	83397.3170250766	39.16180913930176	-101.7161244	265311.452741944	4338247.142741944	3688.323452781244	3545.811890420785	3583.16989420785	3583.16989420785	0.01304228015033043	0.01304228015033043
170	64	46790	-25940.1413	83397.3170250766	39.16182641982796	-101.7139475	265512.8438035484	4338243.54165645	3682.476155679057	3543.174958440458	3582.476155679057	3600.028411367177	0.01304228015033043	0.01304228015033043
171	64	46791	-											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThkLog.s	SatThkBoth.ft
253	64	46873	-204621.1413	83397.31720250766	39.16313772033454	-01.5208325	28220.460366508525	4337907.250764754	3482.422295698477	3321.2557808419774	3403.72683794997	3402.004597180052	0	0
254	64	46874	-203961.1413	83397.31720250766	39.163151631670895	-01.5181958	28240.5546653847	4337903.27033362	3484.191260366628	3318.56995697261	3393.767099517635	3390.581586961303	0	0
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261	64	46881	-199341.1413	83397.31720250766	39.16324752681674	-01.5022187	28381.21096470843	4337874.930838723	3426.36104418619467	3299.89883069455	3335.28162967651	3322.814867258105	0	0
262	64	46882	-198681.1413	83397.31720250766	39.16326135453834	-01.499692	28401.4303151086	4337870.86901278	3420.25268217106	3297.241371047724	3326.801242056525	3316.1495448414	0	0
263	64	46883	-198021.1413	83397.31720250766	39.16327481175366	-01.4975652	28421.5782553636	4337866.825374538	3424.61980554837	3294.59424	3322.795717249145	3308.54682721003	0	0
264	64	46884	-197361.1413	83397.31720250766	39.163288273306236	-01.4952385	28446.48480818907	4337862.784907507	3427.987471845141	3291.948617795056	3317.0053460519252	3302.86905902991	0	0
265	64	46885	-196701.1413	83397.31720250766	39.16330168029641	-01.4929118	284617.58024127735	4337858.734371166	3417.483253125444	3289.30420887569	3311.32416341621	3297.8651729068	0	0
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275	64	46895	-189941.1413	83397.31720250766	39.16343290518545	-01.469328	286629.4902493081	4337818.540493081	3468.732048952128	3267.0102889465	3262.54565773382	3271.2968712682993	0	0
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294	64	46914	-177561.1413	83397.31720250766	39.163671233770748	-01.425436	290448.161483976	4337741.63203423	3380.441196620954	3213.415846404417	3140.00531843249	3146.386090806457	74.9108142	67.02983627717118
295	64	46915	-176901.1413	83397.31720250766	39.163683623282635	-01.4231788	290648.336789352	4337737.37478904	3379.4345287278	3212.456546271347	3138.98484231943	3142.90589169	81.2963319281417	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatBothKgr.ft	SatBothH.ft
379	64	46999	-121461.1413	38397.31720250766	39.16453663518049	-121.2276589	70540.7441935014	4373399.192399545	3292.4239548255323	3180.13308354579885	3125.851636188377	3125.1025489589719	54.28144735961132	55.03049268826953
380	64	47000	-120801.1413	38397.31720250766	39.16454485384433	-121.2253321	307741.812564517	4373396.171818667	3296.3377786027616	3178.723894	3123.2621794097348	3122.72996224079	55.46171413950642	55.95089732487081
381	64	47001	-120141.1413	38397.31720250766	39.16455309	-121.2230453	307842.8621467682	4373391.150873456	3298.2168897195324	3177.263471703707	3120.342178135805	3120.342178135805	57.22883788268655	57.22883788268655
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383	64	47003	-118821.1413	38397.31720250766	39.16456936017744	-121.2183517	308345.01934561157	4373383.1098108245	3293.426822	3174.1924087652546	3113.1210508259326	3113.1210508259326	61.07135793866208	61.24223642869004
384	64	47004	-118161.1413	38397.31720250766	39.16457474290686	-121.2160248	308546.0876625345	4373379.089493125	3292.807596155231	3172.58632513633	3110.903149161924	3110.903149161924	63.07171948611135	63.345738178933017
385	64	47005	-117501.1413	38397.31720250766	39.16458540317338	-121.213698	308747.1557916672	4373375.069351206	3291.3882700825415	3166.462828460766	3106.493395303596	3106.493395303596	64.4734329500428	64.84186257024848
386	64	47006	-116841.1413	38397.31720250766	39.164593420222606	-121.2113712	308948.2237	4373371.049380475	3291.5691440044719	3169.2457344407194	3105.521958561742	3105.521958561742	66.7237787897745	66.8098958
387	64	47007	-116191.1413	38397.31720250766	39.16459136608474	-121.209044	309149.251485571	4373367.028945629	3290.2242571289154	3167.589140512854	3106.027708259866	3106.027708259866	68.46881246831215	68.58823688268235
388	64	47008	-115521.1413	38397.31720250766	39.16460252037315	-121.2067176	309350.5592052538	4373363.090900213	3288.153700444214	3165.746895289351	3106.814848420255	3106.814848420255	69.1984247183160	69.278447183160
389	64	47009	-114861.1413	38397.31720250766	39.1646171	-121.2043807	309551.4264319625	4373359.059401133	3286.083171555563	3163.967415148672	3107.296814365338	3107.0216731283579	70.5660005103384925	70.63857378339729
390	64	47010	-114201.1413	38397.31720250766	39.1646249	-121.2020389	309752.493624101	4373354.971272982	3284.0126140605826	3162.1297057916026	3107.207426257937	3107.207426257937	71.54222973436651	71.5945130113292
391	64	47011	-113541.1413	38397.31720250766	39.16463265901446	-121.1997371	309953.5606294798	4373350.5259100575	3281.649522929534	3160.274931926844	3106.78290669102	3106.78290669102	73.4319152772413	73.57703679185313
392	64	47012	-112881.1413	38397.31720250766	39.16464036224762	-121.1974103	310154.6274482977	4373346.93	3278.9940032828	3158.50027477207	3105.993532819791	3105.993532819791	75.42077151885273	75.799315959193306
393	64	47013	-112221.1413	38397.31720250766	39.16464806505046	-121.1950385	310355.6948076094	4373342.914542875	3276.33845937282	3156.5027471564973	3104.96705858002	3104.96705858002	77.523438574441552	77.920387444910156
394	64	47014	-111561.1413	38397.31720250766	39.1646554611021	-121.192756	310556.7605270741	4373338.89589822	3273.68289466276	3154.590323	3103.766775186952	3103.766775186952	80.82404715	81.3857321547978
395	64	47015	-110901.1413	38397.31720250766	39.1646632062662	-121.1904298	310757.82678744086	4373334.875890165	3272.881049195972	3152.765309505372	3102.435850302393	3101.877943	82.5272080213675	83.07973632900183
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397	64	47017	-109581.1413	38397.31720250766	39.16467823482958	-121.1857762	311159.9587516176	4373328.431355923	3268.183554977663	3148.7845743636262	3099.492105663187	3099.492105663187	86.4920487004326	86.9200479266146
398	64	47018	-108921.1413	38397.31720250766	39.16468567451269	-121.1834493	311361.2014549228	4373322.83	3266.514309761633	3146.834009784427	3097.780740526239	3097.780740526239	88.494035262639	88.944035262639
399	64	47019	-108261.1413	38397.31720250766	39.16469307	-121.181225	311562.8098735579	4373318.058916527	3264.379475425156	3144.879832813363	3096.113000206698	3096.113000206698	90.473476641186	90.93476641186
400	64	47020	-107601.1413	38397.31720250766	39.16470019059166	-121.1787957	311763.15530727257	4373314.78510323	3262.371996520227	3142.504154	3094.33466258847	3094.33466258847	92.6868379118527	92.82350790748842
401	64	47021	-106941.1413	38397.31720250766	39.16470732959768	-121.1765077	311945.0508771334	4373284.52	3260.371548213671	3140.86856519497	3092.8917681650362	3092.8917681650362	94.814840462518	94.86113853813804
402	64	47022	-106281.1413	38397.31720250766	39.1647149382882	-121.174142	312165.2842075306	4373306.73524859	3257.97263423247	3139.013745310542	3090.329485754963	3090.329485754963	96.838274	96.880404382712
403	64	47023	-105621.1413	38397.31720250766	39.16472219879862	-121.1718152	312366.3502009245	4373302.7384558	3255.064804146524	3137.060711	3088.9956742327	3088.9956742327	98.650307165309	98.81812426467997
404	64	47024	-104961.1413	38397.31720250766	39.16472936824986	-121.1694884	312567.4147970045	4373298.720041838	3254.851424632396	3135.11228347835	3087.31362020595	3087.31362020595	100.7786327	100.877319870645
405	64	47025	-104301.1413	38397.31720250766	39.16473648930798	-121.1671616	312768.4792091809	4373294.703413913	3253.8405118288	3133.29178000851655	3085.6788245128364	3085.6788245128364	102.5443160109304	102.6443160109304
406	64	47026	-103641.1413	38397.31720250766	39.16474357404752	-121.1648347	312969.544	4373290.68661495	3254.224665040125	3131.2342435735035	3084.1428118780047	3084.222272051608	104.0905306981608	104.1027061895566
407	64	47027	-102981.1413	38397.31720250766	39.16475069524386	-121.1625079	313170.870485771	4373286.78084684	3253.93738545667	3129.387062021863	3083.658589189	3083.658589189	106.458589189	106.468589189
408	64	47028	-102321.1413	38397.31720250766	39.16475792494365	-121.1601171	313374.13443365	4373282.54583494	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	108.658589189	108.668589189
409	64	47029	-101661.1413	38397.31720250766	39.16476544485058	-121.1578452	313572.7302299975	4373278.63867841	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	110.858589189	110.868589189
410	64	47030	-101001.1413	38397.31720250766	39.16477145171326	-121.1555274	313773.7985178527	4373274.62267972	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	112.858589189	112.868589189
411	64	47031	-100341.1413	38397.31720250766	39.16477830059361	-121.1532006	313974.861813443	4373270.6733317	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	114.858589189	114.868589189
412	64	47032	-99681.1413	38397.31720250766	39.16478511	-121.1508737	314175.9246246565	4373266.591934046	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	116.858589189	116.868589189
413	64	47033	-99021.1413	38397.31720250766	39.16479187650764	-121.148589	314376.8701067275	4373262.5711048	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	118.858589189	118.868589189
414	64	47034	-98361.1413	38397.31720250766	39.16479861952884	-121.1462201	314578.0508771334	4373258.52	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	120.858589189	120.868589189
415	64	47035	-97701.1413	38397.31720250766	39.164805272847616	-121.1438932	314787.113261587	4373254.45679075	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	122.858589189	122.868589189
416	64	47036	-97041.1413	38397.31720250766	39.16481190355545	-121.1415664	314980.1576434265	4373250.53292242	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	124.858589189	124.868589189
417	64	47037	-96381.1413	38397.31720250766	39.164818489316616	-121.1392396	315181.237895705	4373245.51751029	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	126.858589189	126.868589189
418	64	47038	-95721.1413	38397.31720250766	39.164825003013412	-121.1369127	315382.3002503891	4373242.40525334	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	128.858589189	128.868589189
419	64	47039	-95061.1413	38397.31720250766	39.16483152608006	-121.1345859	315583.3618849074	4373238.49959149	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	130.858589189	130.868589189
420	64	47040	-94401.1413	38397.31720250766	39.16483797693839	-121.1322591	315784.742363207	4373234.47506463	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	132.858589189	132.868589189
421	64	47041	-93741.1413	38397.31720250766	39.16484394396819	-121.1299154	316086.1685478045	4373230.421269	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	134.858589189	134.868589189
422	64	47042	-93081.1413	38397.31720250766	39.164850732847616	-121.1276412	316386.567809045	4373226.44759758	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	136.858589189	136.868589189
423	64	47043	-92421.1413	38397.31720250766	39.16485760067654	-121.1252786	316687.8051509005	4373222.43129325	3253.941689850567	3129.387062021863	3083.658589189	3083.658589189	138.858589189	138.868589189
424	64	47044	-91761.1413											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SurfElev.f	SatThBoht.f
631	64	47251	44858.8586730335	33.93977170250766	-96.165193902482564	-00.6412923	582624.7187580393	43369391.43436334	2849.7902848484643	2793.9034771709153	2720.905348921813	55.2956818061727055	72.99812780190213
632	64	47252	45118.8586730335	33.93977170250766	-96.165190825200084	-00.6389168	584045.7467209316	43363637.567401912	2846.902736154175	2792.05988995515	2737.0851321919613	57.46357961866637	65.4537961866637
633	64	47253	46178.8586730335	33.93977170250766	-96.1651903033354	-00.6366186	58696.7746546764	43363639.82383623	2790.22292532113	2788.41534388113	2736.49465421758	53.80895146	50.765110435214
634	64	47254	46838.8586730335	33.93977170250766	-96.1651845389234	-00.634118	58807.80223518226	4336375.504039139	2811.17639342564	2798.758962096368	2747.450117111116	51.634427697197904	56.93641464198984
635	64	47255	47498.8586730335	33.93977170250766	-96.1651813280706	-00.631949	59008.829786457	4336375.528	2837.3794339460625	2786.5723267402914	2737.504615451318	47.3607128897344	51.72306581150943
636	64	47256	48158.8586730335	33.93977170250766	-96.1651806677754	-00.6296581	59209.857020737	4336375.51300036	2814.7586209573146	2738.1991142719303	2737.0274510610338	45.9967065863845	47.73116485367654
637	64	47257	48818.8586730335	33.93977170250766	-96.1651747480376	-00.6273312	59540.8848047724	4336367.55194825	2826.164255486299	2782.9519017617444	2737.6320320788594	45.3017672881149	45.688703486059005
638	64	47258	49478.8586730335	33.93977170250766	-96.16517141788575	-00.6250403	59691.1716224534	4336363.59626493	2823.556141524417	2781.5117869285813	2738.1507190075363	45.2610769210448	46.02528719190511
639	64	47259	50138.8586730335	33.93977170250766	-96.1651696262347	-00.6226778	59862.1396289846	4336369.82383623	2818.7847371359894	2780.469833887634	2739.525678973209	47.8882665051415	47.288108
640	64	47260	50798.8586730335	33.93977170250766	-96.1651549821895	-00.6203508	60131.9655003289	4336355.647181516	2777.07520033674	2777.656729655943	2727.64244034319	49.73136730116178	49.87500599536494
641	64	47261	51458.8586730335	33.93977170250766	-96.165161107466254	-00.6180238	60214.962235345	4336351.67205456	2808.9137274700384	2775.7884783393006	2724.35864892361	51.4022935	51.6594153466086
642	64	47262	52118.8586730335	33.93977170250766	-96.16515758	-00.6156969	60416.0183496274	4336347.69277639	2803.97262370153	2774.012123727901	2721.76019328438	52.252019935129	52.88367236878994
643	64	47263	52778.8586730335	33.93977170250766	-96.165137001	-00.6133701	60617.0452993732	4336342.702205653	2801.68768978951	2772.241164767939	2719.591992860423	53.627039314824	53.6677915891404
644	64	47264	53438.8586730335	33.93977170250766	-96.1651305248824	-00.6110432	60810.8172878339	4336347.74731591	2804.142125954984	2770.47511039851	2718.037415863367	54.279645334129	53.48865196349016
645	64	47265	54098.8586730335	33.93977170250766	-96.1651307102125	-00.6087164	61019.0972634005	4336335.773	2801.396651105816	2768.7139521717943	2717.000040364726	55.1738474647265	53.044087346847285
646	64	47266	54758.8586730335	33.93977170250766	-96.1651430254961	-00.606389	61210.1288142775	4336331.798	2801.351002065544	2766.956097008	2716.044613164617	55.9104714296383	52.3291828867329
647	64	47267	55418.8586730335	33.93977170250766	-96.1651392731359	-00.6040626	61421.148090577	4336327.83489455	2800.19385595502	2765.20364392043	2715.13411018905	57.183765234386	50.69953421113804
648	64	47268	56078.8586730335	33.93977170250766	-96.165134577347	-00.6017358	61622.175	4336323.84949897	2797.925191006212	2763.453431944996	2713.7287236109787	57.4727053526046	50.84616011826074
649	64	47269	56738.8586730335	33.93977170250766	-96.16513354469194	-00.5994089	61823.2012580116	4336319.875	2795.65565810687	2761.703947229635	2711.6417085	58.0866243791499	49.9390275391496
650	64	47270	57398.8586730335	33.93977170250766	-96.16512749220744	-00.5970821	62024.2268	4336315.901618014	2793.8157860140787	2759.954525	2708.9785869003045	59.6367760257505	50.1436221953453
651	64	47271	58058.8586730335	33.93977170250766	-96.16519738180215	-00.5947552	62226.22571786735	4336311.928	2792.90349059655	2758.215475452499	2706.74744152891	60.270312996807	51.02873191406096
652	64	47272	58718.8586730335	33.93977170250766	-96.16511984	-00.5924284	62425.2721614834	4336307.56440878	2794.25392565054	2756.4898203245	2703.792546277695	60.5220671300415	51.00225796898587
653	64	47273	59378.8586730335	33.93977170250766	-96.1651158127	-00.5901918	62628.127862787	4336308.91112629	2795.587153078087	2755.6557153078087	2703.99018578211	61.0710369871544	51.02873191406096
654	64	47274	60038.8586730335	33.93977170250766	-96.165117457551	-00.5877747	62828.327542396	4336300.08	2796.92109482805	2753.1210702406906	2712.747581360583	62.327706009133	40.7348880122295
655	64	47275	60698.8586730335	33.93977170250766	-96.16510764816356	-00.5854478	63029.3524006006	4336294.03497674	2798.42276998887	2751.542693153286	2718.418847177716	63.105849787568	31.0644084082296
656	64	47276	61358.8586730335	33.93977170250766	-96.1651034790309	-00.583121	63230.371262332	4336292.0619607	2801.3104953540	2750.03989111777	2722.050257983233	64.2586062130311	26.4397220833965
657	64	47277	62018.8586730335	33.93977170250766	-96.16509928704571	-00.5807941	63431.40719126667	4336288.08934088	2806.9582902709213	2748.67238841858	2728.327040502035	65.2883896	20.352198433643
658	64	47278	62678.8586730335	33.93977170250766	-96.165095041244236	-00.5784673	63632.426180138	4336284.171074251	2800.750913258683	2747.4087336271937	2743.99180176891	67.357511502407167	24.12371555020284
659	64	47279	63338.8586730335	33.93977170250766	-96.16509054457525	-00.5761494	63833.459891278	4336282.34383305	2804.34767091587	2746.187518632004	2746.9593408915	68.7592997474892	24.62973607644554
660	64	47280	63998.8586730335	33.93977170250766	-96.16510671361	-00.57381302	64034.7172673047	4336278.127673047	2804.684871050895	2744.9601307679	2746.844629808985	69.7900940230165	0
661	64	47281	64658.8586730335	33.93977170250766	-96.16508203417529	-00.5714867	64235.4897270826	4336272.20073192	2803.756982313215	2743.80599	2737.067382357805	71.130995966501	63.982749983673
662	64	47282	65318.8586730335	33.93977170250766	-96.1650776089747	-00.5691599	64436.522706415	4336268.29866444	2819.735676992126	2742.62425791649	2725.692732319065	72.30196426086	6.9290045804608
663	64	47283	65978.8586730335	33.93977170250766	-96.16507318075606	-00.566833	64637.54669576585	4336264.25733155	2818.555697994478	2741.484357988391	2731.977842947915	73.221002921796565	27.4705150140294
664	64	47284	66638.8586730335	33.93977170250766	-96.16506822609695	-00.5645062	64838.57081214045	4336260.28593313	2814.13595365124	2740.269412641215	2730.09636025637	74.172776951108	28.9304519639046
665	64	47285	67298.8586730335	33.93977170250766	-96.165064062199725	-00.5621793	65039.59372281127	4336256.314702481	2808.750913258683	2739.06755880663	2738.3400257248956	75.02407895	67.782189254347
666	64	47286	67958.8586730335	33.93977170250766	-96.1650594545725	-00.559826	65240.12549626	4336252.34383305	2804.34767091587	2746.187518632004	2746.9593408915	76.125363931	74.44
667	64	47287	68618.8586730335	33.93977170250766	-96.165055265441	-00.5575256	65441.841558585	4336248.37273481	2803.2880272256143	2737.06755880663	2737.06755880663	77.125363931	74.44
668	64	47288	69278.8586730335	33.93977170250766	-96.16505011130565	-00.5551988	65642.636566425	4336244.4002839	2803.5715487376139	2735.51687901313	2734.220212793111	78.68879147177587	61.2969622004235
669	64	47289	69938.8586730335	33.93977170250766	-96.16504537111961	-00.5528719	65843.6868575374	4336240.4345501	2804.34767091587	2746.187518632004	2746.9593408915	79.68879147177587	61.2969622004235
670	64	47290	70598.8586730335	33.93977170250766	-96.1650405898666	-00.5505451	66044.7094787526	4336236.416107517	2804.34767091587	2746.187518632004	2746.9593408915	80.750913258683	61.2969622004235
671	64	47291	71258.8586730335	33.93977170250766	-96.1650357591552	-00.5482182	66245.723024899	4336232.49080197	2803.632544552134	2731.903767861151	2730.09636025637	81.72776951108	28.9304519639046
672	64	47292	71918.8586730335	33.93977170250766	-96.165030809749	-00.5458914	66448.7549	4336228.50837513	2802.346821314797	2730.09636025637	2730.09636025637	82.750913258683	61.2969622004235
673	64	47293	72578.8586730335	33.93977170250766	-96.16502593063309	-00.5435716	66649.713276275	4336224.03497674	2801.3104953540	2750.03989111777	2722.050257983233	83.750913258683	61.2969622004235
674	64	47294	73238.8586730335	33.93977170250766	-96.1650209602705	-00.5412237	66848.7999	4336220.58129058	2799.7549962373	2728.35291	2730.09636025637	84.750913258683	61.2969622004235
675	64	47295	73898.8586730335	33.93977170250766	-96.1650159617771	-00.5389108	67049.8221	4336216.61774601	2798.38112056232	2726.99467305469	2727.6997618744795	85.1936893505198	4.29510540389679
676	64	47296	74558.8586730335	33.93977170250766	-96.1650109138321	-00.536584	67250.8442	4336212.4438981	2797.925191006212	2763.453431944996	2713.7287236109787	86.17276951108	28.9304519639046
677	64	47297	75218.8586730335	33.93977170250766	-96.16500831645416	-00.5342572	67451.866203277	4336208.673273065	2796.47273042964	2724.435819345212	2723.61952631009	87.228259596564	0.84055841403289
678	64	47298	75878.8586730335	33.93977170250766	-96.165000869636	-00.5319303	67652.8880643761	4336204.7042808	2794.018428173556	2723.2109303248576	2720.4884970647386	88.2243320190326	0
679	64	47299	76538.8586730335	33.93977170250766	-96								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
17	65	47377	-360831.1413	834637.3170250766	39.16041038966443	-102.0699405	23474.7933	4339067.7040499315	3989.91635898667	3486.634660896566	3750.8525101610903	3749.82961849789443	38.79385262566624	89.8165117011223
18	65	47378	-359721.1413	834637.3170250766	39.16043491564452	-102.067614	23494.9440255909	4339063.61886523	3987.962106935595	3638.304660819526	3752.486261980189	3750.556863824297	85.8352041	87.74478604954553
19	65	47379	-359561.1413	834637.3170250766	39.1604363789162	-102.065128	23516.4645818607	4339059.533454722	3986.127504976825	3635.86514623915	3752.869178	3752.869178	84.2613894532155	84.2613894532155
20	65	47380	-358901.1413	834637.3170250766	39.1604381480561	-102.062961	23537.2446254903	4339053.44025445	3984.0126463110374	3635.761762304833	3758.947845679947	3755.1226701023845	80.49496322010125	80.49496322010125
21	65	47381	-357741.1413	834637.3170250766	39.160508196966484	-102.0606345	23558.3945314465	4339051.364	3982.69276121243923	3634.272564799637	3761.934106655407	3757.055344147822	72.3384641456678	72.3384641456678
22	65	47382	-357081.1413	834637.3170250766	39.160538306	-102.058308	23574.9417505744	4339047.279	3980.9828779377476	3632.92381832942	3764.1974664596405	3758.2385968592045	76.326637330163	74.5953213
23	65	47383	-356421.1413	834637.3170250766	39.1605586254867	-102.0559815	23595.63056550537	4339043.194317565	3980.7715912635072	3631.5715801563133	3765.5389726609596	3759.101306	66.0320674953566	72.40702719561628
24	65	47384	-355761.1413	834637.3170250766	39.16058107392905	-102.053655	23615.84267599846	4339039.109979474	3978.9122913979652	3630.217632656235	3768.8465138166858	3759.6348995510234	61.71183937632	70.5827310521145
25	65	47385	-355101.1413	834637.3170250766	39.16060527637784	-102.0513285	23635.91533738714	4339035.028620498	3976.1095636981716	3628.869158534865	3767.0831781894623	3760.243227329845	51.05789611786426	61.05789611786426
26	65	47386	-354441.1413	834637.3170250766	39.16062945389244	-102.049002	23654.1401299322	4339030.91483923	3972.303214715987	3627.527157041294	3768.544869576114	3760.102655179589	58.9822909	67.4243018545405
27	65	47387	-353781.1413	834637.3170250766	39.16065355	-102.0469758	23675.28864478456	4339026.83807703	3975.85595054555	3626.1915928543112	3769.2385383001757	3760.4171202509760	65.957138641355	65.774420134068
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53	65	47413	-336621.1413	834637.3170250766	39.161264701625795	-101.9861857	241985.054119112	4338920.742	3901.194817680288	3793.294627827674	3750.43877105471	3753.165638736963	42.8557272004326	40.12861475
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61	65	47421	-331341.1413	834637.3170250766	39.16144663585157	-101.9675733	243594.17791584053	4338888.114060494	3875.387300717126	3784.483856104435	3780.21555288917	3752.8691781		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBoth.f	SatThkLogs.f	SatThkBoth.f
143	45	47903	-277221.1413	834637.3170250766	39.16314567641405	-101.776907	260608.7768723596	4338554.348916009	3719.413653002005	3608.893605285787	3608.6604355219606	3609.3582644505213	1.196297363265169	0.494800835
144	45	47904	-276561.1413	834637.3170250766	39.163104513496705	-101.774404	260607.8960526258	433850.284	3721.6724423936501	3607.868817416819	3607.8651791104508	3607.9589440256644	0	0
145	45	47905	-275901.1413	834637.3170250766	39.16326010684747	-101.772137	260489.0148988167	433846.2211798306	3723.8314629124879	3605.4466971209687	3607.881923712828	3607.8918008174703	0	0
146	45	47906	-275241.1413	834637.3170250766	39.16322010684747	-101.768107	260600.12363816065	4338452.158578225	3726.1900228061491	3603.128642368098	3604.370466106143	3606.56026141628	0	0
147	45	47907	-274581.1413	834637.3170250766	39.16322082711549	-101.767484	260891.25215072048	4338538.0961548565	3727.432455621837	3600.967772537107	3608.1254520820053	3609.342235973582	0	0
148	45	47908	-273921.1413	834637.3170250766	39.163239502452336	-101.7651573	261092.3703747475	4338534.033908931	3727.658651141075	3598.6796336235925	3609.08697517507	3609.57622495124	0	0
149	45	47909	-273261.1413	834637.3170250766	39.16325813283669	-101.7628206	261293.48836644672	4338529.918740736	3727.884086719855	3596.3776370999736	3608.411022182915	3609.009082979781	0	0
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151	45	47911	-271941.1413	834637.3170250766	39.1632955896404	-101.758173	261685.72863784803	4338565.8482275506	3729.765691	3591.700491584975	3607.03181548975	3608.85951891843	0	0
152	45	47912	-271281.1413	834637.3170250766	39.16331735438074	-101.755806	261896.54091962766	4338517.786742054	3732.908994123598	3589.225378901219	3605.301405958725	3607.675402471553	0	0
153	45	47913	-270621.1413	834637.3170250766	39.163332205018555	-101.7532839	262097.9579605662	4338513.725345114	3736.032968137966	3586.9264225242887	3605.8066533040015	3607.483366427333	0	0
154	45	47914	-269961.1413	834637.3170250766	39.16335061071788	-101.7511972	262299.07477720117	4338509.664165463	3739.1555995039944	3584.5042451822405	3605.304903836684	3607.207884672772	0	0
155	45	47915	-269301.1413	834637.3170250766	39.16338897147868	-101.7488706	262500.1913523279	4338505.603	3739.20269326155	3582.0588030554013	3604.940586518622	3607.0954733442565	0	0
156	45	47916	-268641.1413	834637.3170250766	39.16337827380093	-101.7465439	262701.30769438273	4338501.542339221	3736.173578880274	3579.990224884326	3604.931947393364	3607.2673537581	0	0
157	45	47917	-267981.1413	834637.3170250766	39.163405558184586	-101.7442172	262902.423006393	4338497.481892814	3733.1444842344013	3577.101995638163	3604.938697899338	3607.496250474854	0	0
158	45	47918	-267321.1413	834637.3170250766	39.16342378412966	-101.7418095	263103.5397	4338493.421223669	3730.1153405863246	3574.5932999071414	3604.734845	3607.41347072392	0	0
159	45	47919	-266661.1413	834637.3170250766	39.163441965135924	-101.7395638	263304.85531050705	4338489.361	3727.8518861171024	3572.06538269035	3604.7445875055324	3606.7508306028316	0	0
160	45	47920	-266001.1413	834637.3170250766	39.16346010121261	-101.7373271	263505.708141006	4338485.300816746	3726.3540738201345	3569.518530638357	3601.903302092857	3605.911192275242	0	0
161	45	47921	-265341.1413	834637.3170250766	39.163478192341486	-101.7349104	263706.889838538	4338481.240808762	3724.856215231676	3566.954047112893	3599.1486396247985	3604.97196327166	0	0
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164	45	47924	-263361.1413	834637.3170250766	39.163532196054774	-101.7279304	264310.2300919453	4338469.62138521	3713.668757	3559.169697	3589.7325052042327	3596.11646006309	0	0
165	45	47925	-262701.1413	834637.3170250766	39.1635498574095	-101.725637	264511.3444282851	4338462.02981351	3707.7004203257736	3556.550302257736	3587.1142093538277	3593.28112736418	0	0
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167	45	47927	-261381.1413	834637.3170250766	39.163585739539634	-101.7209503	264913.5710261875	4338456.884995035	3696.424084823555	3551.281059833074	3583.3065024538128	3588.1782674030687	0	0
168	45	47928	-260721.1413	834637.3170250766	39.1636035195645	-101.7186236	265114.6856410305	4338452.826302373	3691.7372565909	3548.636166	3580.4174886246014	3587.655573731529	0	0
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170	45	47930	-259401.1413	834637.3170250766	39.16363899025305	-101.7139702	265516.9120213814	4338444.70949812	3682.363917330165	3543.330369089556	3570.18800945502	3596.79120597201	0	0
171	45	47931	-258741.1413	834637.3170250766	39.16365638189278	-101.7116456	2657126.026637495	4338440.851298988	3684.8742658677086	3540.8742658677086	3564.841817851177	3601.32252355486	0	0
172	45	47932	-258081.1413	834637.3170250766	39.16367312734382	-101.7093167	265912.7174435366	4338436.193	3678.79827500981	3538.309637330911	3559.7460209745657	3609.141281726057	0	0
173	45	47933	-257421.1413	834637.3170250766	39.1636917065486	-101.7069901	266120.249653774	4338432.535527635	3664.6500873184395	3535.339692982376	3555.2789765279736	3611.6560641257056	0	0
174	45	47934	-256761.1413	834637.3170250766	39.16370295757717	-101.7046634	266321.3620018917	4338428.478	3658.501896358967	3532.66247980444	3550.738665957883	3608.57108847634	0	0
175	45	47935	-256101.1413	834637.3170250766	39.16372645960276	-101.7023367	266522.47391800915	4338424.10425844	3652.57486896113	3529.986296387839	3546.394716801149	3601.0939239572774	0	0
176	45	47936	-255441.1413	834637.3170250766	39.163744166604154	-101.70001	266732.586505318	4338420.33153698	3646.874934949086	3527.3205127478717	3542.22483487316	3604.4982421491945	0	0
177	45	47937	-254781.1413	834637.3170250766	39.16376153877068	-101.6978762	266942.697610678	4338416.30695982	3641.71302305039	3524.6142404007305	3538.72135059959314	3601.4134280414373	0	0
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180	45	47940	-252801.1413	834637.3170250766	39.163813353386225	-101.6907031	267528.030467821	4338404.13584035	3632.048246146097	3516.5255754738073	3528.367538278811	3575.5783057917756	0	0
181	45	47941	-252141.1413	834637.3170250766	39.16383570773385	-101.6883764	267729.10586221213	4338400.079455799	3631.66697020337	3513.8224414159677	3524.7125229887706	3567.94132973946	0	0
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183	45	47943	-250821.1413	834637.3170250766	39.1638672670993	-101.683723	268131.596467724	4338391.627919164	3627.185392895034	3508.490498681937	3517.9475190407456	3551.255405239643	0	0
184	45	47944	-250161.1413	834637.3170250766	39.16388188513874	-101.681393	268332.40781192606	4338387.911367074	3619.36053141254	3505.70278682509	3514.33992362172	3543.71839543486	0	0
185	45	47945	-249501.1413	834637.3170250766	39.163898513874	-101.679062	268533.596467724	4338384.5949	3616.859815834509	3511.5487359372447	3509.78718577563	3539.28112736418	0	0
186	45	47946	-248841.1413	834637.3170250766	39.1639158653777	-101.6767428	268734.689819795	4338379.80019513	3610.773744551556	3500.288237067833	3505.29207866458	3530.90530275987	0	0
187	45	47947	-248181.1413	834637.3170250766	39.16393278808791	-101.6744161	268935.7988810931	4338375.744875625	3594.6586107821627	3497.582039134644	3503.438613620444	3522.3021139977063	0	0
188	45	47948	-247521.1413	834637.3170250766	39.1639496585841	-101.6720894	269136.90791387274	4338371.69	3584.3042492152247	3494.873879957955	3499.809743006574	3513.492691635193	0	0
189	45	47949	-246861.1413	834637.3170250766	39.16396648988294	-101.6697627	269338.161852305	4338367.634768602	3574.022235402827	3492.1744278589487	3495.885285783814	3505.683106089183	0	0
190	45	47950	-246201.1413	834637.3170250766	39.1639832965406	-101.6674359	269539.1250952465	4338363.579881255	3563.7004704181349	3489.47300216871	3491.7087509286993	3497.0097010517	0	0
191	45	47951	-245541.1413	834637.3170250766	39.163990029631968	-101.6651892	269740.23264252677	4338359.525371337	3558.258696867474	3486.772748605238	3487.441128500136	3490.507709474884	0	0
192	45	47952	-244881.1413	834637.3170250766	39.1640167754382	-101.66278	269941.34136573							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThKgr.f	SatThBoth
68	465	-194061.1413	834637.3170250766	39.165167518025534	-101.486218	285425.9921952092	334803.48118664175	334803.48118664175	3271.67535225	3271.67535225	0	5.168618801999401
270	465	-194030.1413	834637.3170250766	39.1651807104637	-101.481295	285627.08310178004	334803.491250554	334803.491250554	3277.875136475527	3277.875136475527	0	4.772240076317678
271	465	-192781.1413	834637.3170250766	39.16519368532524	-101.478869	285628.1732910219	334803.5730811738	334803.5730811738	3275.23440152127467	3275.23440152127467	0	1.5792035449005704
272	465	-192081.1413	834637.3170250766	39.16520696	-101.476614	286201.28421113703	334803.6190569605	334803.6190569605	3277.4981070057	3277.4981070057	0	
273	465	-191421.1413	834637.3170250766	39.165220018856914	-101.474316	286230.554543336	334802.6745046413	334802.6745046413	3269.94165366877	3269.94165366877	0	
274	465	-190761.1413	834637.3170250766	39.16523303170969	-101.4719878	286431.4446161397	334803.621	334803.621	3267.293481935622	3267.293481935622	0	0.978977871
275	465	-190101.1413	834637.3170250766	39.165254999620396	-101.469661	286632.53446878376	334805.91570282385	334805.91570282385	3264.6647192474115	3260.580979765921	0	4.065738491490709
276	465	-189441.1413	834637.3170250766	39.16525892258898	-101.4673342	286833.62141044794	334805.513269587	334805.513269587	3262.0021523762827	3264.689278036797	0	3.712748331489585
277	465	-188781.1413	834637.3170250766	39.16527180061546	-101.465074	287034.7135420179	334805.1418915954	334805.1418915954	3259.360095976386	3260.3329947026897	0	10.48319705900291
278	465	-188121.1413	834637.3170250766	39.1652946339961	-101.462606	287225.802756785	334807.452590434	334807.452590434	3257.789145730944	3256.7244450133045	0	16.6999400411227
279	465	-187461.1413	834637.3170250766	39.1652972184197	-101.4603537	287436.9177556414	334803.034	334803.034	3254.0832987891866	3257.110003507089	0	32.02659822097635
280	465	-186801.1413	834637.3170250766	39.165310165041944	-101.4580269	287637.98057814373	334799.374818347	334799.374818347	3245.664174900755	3251.48794366654	0	32.2216956318391
281	465	-186141.1413	834637.3170250766	39.165322863299686	-101.4557001	287839.69017135173	33481.9067712811706	33481.9067712811706	3242.222077037413	3237.79042323799304	0	22.594758254902035
282	465	-185481.1413	834637.3170250766	39.16533516615166	-101.4533733	288040.1575554293	334799.275363845	334799.275363845	3246.181099424318	3220.137305386275	0	26.05080457380227
283	465	-184821.1413	834637.3170250766	39.16534812498841	-101.4510485	288241.2847034206	334797.29336051	334797.29336051	3240.541217226664	3243.5634891727314	0	32.08157225438257
284	465	-184161.1413	834637.3170250766	39.1653608841933	-101.4487197	288442.3339733463	334798.21195451	334798.21195451	3240.943851244028	3207.594983101668	0	31.690581180564
285	465	-183501.1413	834637.3170250766	39.165373206907965	-101.446329	288643.4214554444	334799.18321602	334799.18321602	3240.760169681763	3239.3203679603	0	31.13842249424
286	465	-182841.1413	834637.3170250766	39.16537630654522	-101.4440661	288844.5900533696	334795.14544438	334795.14544438	3235.702327347635	3194.481511933508	0	32.2519712392919
287	465	-182181.1413	834637.3170250766	39.1653801905814	-101.4417393	289045.5963	334797.107830494	334797.107830494	3237.1171848175165	3188.394014146926	0	32.28482889568803
288	465	-181521.1413	834637.3170250766	39.16541049272582	-101.4394125	289246.638189024	334796.70398418	334796.70398418	3230.5201528187717	3179.83867411369	0	32.40152662609518
289	465	-180861.1413	834637.3170250766	39.165425231444914	-101.4370856	289447.7705074191	334799.330141459	334799.330141459	3240.105136774694	3172.915511888138	0	32.35431856903145
290	465	-180201.1413	834637.3170250766	39.16543512252159	-101.434758	289648.857236059	334798.99601208	334798.99601208	3225.336529150816	3165.408523396182	0	51.098674252945
291	465	-179561.1413	834637.3170250766	39.16544724055796	-101.4298437	289849.847	334798.99601208	334798.99601208	3225.336529150816	3165.408523396182	0	51.098674252945
292	465	-178821.1413	834637.3170250766	39.16545977947516	-101.4201052	290051.03040259004	334795.92	334795.92	3236.20440670673	3157.1651954150507	0	32.29161340373412
293	465	-178221.1413	834637.3170250766	39.16547173686795	-101.4227784	290252.11614040285	334796.88885093	334796.88885093	3217.6815925314	3217.6815925314	0	31.83108813247476
294	465	-177561.1413	834637.3170250766	39.16548385090345	-101.4254516	290453.20203158553	334794.849507081	334794.849507081	3215.20078923947	3135.0107057480964	0	31.900349
295	465	-176901.1413	834637.3170250766	39.16549891969759	-101.4231247	290654.2877	334798.58278943014	334798.58278943014	3213.18143586236	3126.495925720346	0	31.8640037303517
296	465	-176241.1413	834637.3170250766	39.165507944089185	-101.4207979	290855.3719492386	334793.77290048	334793.77290048	3212.38710979514892	3119.55351668274	0	32.10698302899183
297	465	-175581.1413	834637.3170250766	39.1655196226918	-101.4184173	291056.4584674628	334793.77290048	334793.77290048	3212.38710979514892	3119.55351668274	0	32.10698302899183
298	465	-174921.1413	834637.3170250766	39.16553185750254	-101.4161443	291247.154352402	334792.7579922	334792.7579922	3212.38710979514892	3119.55351668274	0	32.10698302899183
299	465	-174261.1413	834637.3170250766	39.16554376479827	-101.4138175	291458.6283954043	334792.67289365	334792.67289365	3212.38710979514892	3119.55351668274	0	32.10698302899183
300	465	-173601.1413	834637.3170250766	39.1655559114933	-101.4114906	291659.73105118024	334793.484795737	334793.484795737	3212.38710979514892	3119.55351668274	0	32.10698302899183
301	465	-172941.1413	834637.3170250766	39.165567390557726	-101.4091638	291860.795017688	334794.559838733	334794.559838733	3212.38710979514892	3119.55351668274	0	32.10698302899183
302	465	-172281.1413	834637.3170250766	39.16557914502339	-101.406837	292061.814773775	334793.105	334793.105	3212.38710979514892	3119.55351668274	0	32.10698302899183
303	465	-171621.1413	834637.3170250766	39.16559084546366	-101.4045102	292262.865782107	334793.500394556	334793.500394556	3212.38710979514892	3119.55351668274	0	32.10698302899183
304	465	-170961.1413	834637.3170250766	39.16560251912657	-101.4021833	292464.0496424715	334792.456847369	334792.456847369	3212.38710979514892	3119.55351668274	0	32.10698302899183
305	465	-170301.1413	834637.3170250766	39.16561413876399	-101.3998655	292665.133256386	334798.46106771	334798.46106771	3212.38710979514892	3119.55351668274	0	32.10698302899183
306	465	-169641.1413	834637.3170250766	39.16562571345863	-101.3975297	292866.2166841033	334794.42680758	334794.42680758	3212.38710979514892	3119.55351668274	0	32.10698302899183
307	465	-168981.1413	834637.3170250766	39.16563732410455	-101.3952029	293067.2990788153	334798.92752315	334798.92752315	3212.38710979514892	3119.55351668274	0	32.10698302899183
308	465	-168321.1413	834637.3170250766	39.16564872801942	-101.392876	293268.382977098	334798.359	334798.359	3212.38710979514892	3119.55351668274	0	32.10698302899183
309	465	-167661.1413	834637.3170250766	39.16566016788556	-101.3905492	293469.4854743892	334798.325100143	334798.325100143	3212.38710979514892	3119.55351668274	0	32.10698302899183
310	465	-16701.1413	834637.3170250766	39.16567156280084	-101.388224	293670.5485575294	334798.291552387	334798.291552387	3212.38710979514892	3119.55351668274	0	32.10698302899183
311	465	-166361.1413	834637.3170250766	39.165683278914	-101.3859177	293878.629617814	334798.359	334798.359	3212.38710979514892	3119.55351668274	0	32.10698302899183
312	465	-165681.1413	834637.3170250766	39.1656942176258	-101.3835687	294077.12947497	334793.22465056	334793.22465056	3212.38710979514892	3119.55351668274	0	32.10698302899183
313	465	-165021.1413	834637.3170250766	39.1657054792103	-101.3812419	294273.7497893853	334798.191668363	334798.191668363	3212.38710979514892	3119.55351668274	0	32.10698302899183
314	465	-164361.1413	834637.3170250766	39.16571663072525	-101.3789151	294474.8767075663	334798.191668363	334798.191668363	3212.38710979514892	3119.55351668274	0	32.10698302899183
315	465	-163701.1413	834637.3170250766	39.165728831056	-101.3765882	294675.9838025745	334798.12646138	334798.12646138	3212.38710979514892	3119.55351668274	0	32.10698302899183
316	465	-163041.1413	834637.3170250766	39.16573988546586	-101.3742614	294877.0397774485	334798.393790342	334798.393790342	3212.38710979514892	3119.55351668274	0	32.10698302899183
317	465	-162381.1413	834637.3170250766	39.1657500688905	-101.3719346	295078.12897712506	334798.359	334798.359	3212.38710979514892	3119.55351668274	0	32.10698302899183
318	465	-161721.1413	834637.3170250766	39.16576171721	-101.3696077	295279.7016969273	334798.45265341	334798.45265341	3212.38710979514892	3119.55351668274	0	32.10698302899183
319	465	-161061.1413	834637.3170250766	39.1657720648484	-101.3672808	295480.28275917395	334798.97566217	334798.97566217	3212.38710979514892	3119.55351668274	0	32.10698302899183
320	465	-160401.1413	834637.3170250766	39.16578304017813	-101.364954	295681.363501561	334798.359	334798.359	3212.38710979514892	3119.55351668274	0	32.10698302899183
321	465	-159741.1413	834637.3170250766	39.16579394072854	-101.3626272	295882.434704087	334798.359	334798.359	3212.38710979514892	3119.55351668274	0	32.10698302899183
322	465	-159081.1413	834637.3170250766	39.16580473635294	-101.360304	296084.532905764	334798.359	334798.359	3212.38710979514892	3119.55		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfArea	W.Lt.	BRIEVLgtsKrg.f	BRIEVBthKrg.f	SatHtKrg.f	SatHtBth.f
395	4775	-110901.1413	834637.3170250766	39.1664758629734556	-110.1904395	10761.8491646572	4373576.084477109	3263.946977488749	3153.151314555644	3101.3793425694967	3100.993956819056	31.7179178986673	52.1573718018224
396	4776	-110241.1413	834637.3170250766	39.1664833972748115	-110.1881126	110362.9150554329	4373572.066	3262.62737985455	3151.179525811603	3099.98119636359	3099.62583403416	31.19770347619545	51.5534265126216
397	4777	-106821.1413	834637.3170250766	39.16649097735768	-110.1857167	111163.9607636769	4373572.066	3262.62737985455	3149.19492586961194	3098.404546621956	3098.204523698161	30.7148211845392	50.90474338323614
398	4778	-108921.1413	834637.3170250766	39.16649831743224	-110.1834589	111737.73489786545	4373574.02965744	3262.73489786545	3147.213245097881	3096.9037143369666	3096.62583403416	30.3093507772263	50.58841551750265
399	4779	-108261.1413	834637.3170250766	39.166505712362934	-110.181132	111566.116194079	4373572.01960358	3268.018717298549	3145.2237552270076	3095.2176654756777	3094.9309640546985	30.06068975202245	50.29279117300215
400	4780	-107601.1413	834637.3170250766	39.166513062349146	-110.1788051	111767.1768	4373572.01960358	3265.42304434112	3143.228004713554	3092.985580006857	3093.25077382363	30.5472203806966	49.979287308272444
401	4781	-106941.1413	834637.3170250766	39.16652036739087	-110.1764782	111968.217364809	4373571.97675146	3252.8709983875	3141.241945683193	3091.1913769872685	3090.97470383954	30.049871581050775	49.7704927826525
402	4782	-106281.1413	834637.3170250766	39.166527627488115	-110.1741513	121269.308181573	4373570.964919304	3250.237757265384	3139.2505899074486	3089.35348719399	3089.599251711122	49.5847199344572	49.313358990331
403	4783	-105621.1413	834637.3170250766	39.16653482460803	-110.1718244	121270.711155348	4373570.964919304	3247.162364581185	3137.262730493874	3087.94842981156	3087.766301655382	49.1288770272163	48.9664280376438
404	4784	-104961.1413	834637.3170250766	39.166542017891	-110.1694876	121271.435281817	4373570.964919304	3245.61048978153	3135.279515486366	3086.067207730397	3085.96338959375	49.21244532	48.513292388347
405	4785	-104301.1413	834637.3170250766	39.1665493811264	-110.1671707	121272.4997582091	4373570.964919304	3243.076789645071	3133.30294219680823	3084.4256396201235	3084.423330002377	48.8789619584464	48.2796619584464
406	4786	-103641.1413	834637.3170250766	39.16655621843173	-110.1648438	121297.536803194	4373570.964919304	3236.524867310757	3131.33921430079	3083.0105383090908	3082.98055287519	48.3238312017828	48.35336614259935
407	4787	-102981.1413	834637.3170250766	39.16656333806245	-110.1625169	121374.6276661395	4373487.815	3233.13489210353	3129.373847	3081.6789735495677	3081.6483687727173	47.84697325	47.72548780232894
408	4788	-102321.1413	834637.3170250766	39.16657024423615	-110.16019	131375.69134508795	4373487.815	3229.986124637073	3127.423866099036	3080.4513274499773	3080.26691766584	46.97236392637	47.13714432319414
409	4789	-101681.1413	834637.3170250766	39.16657718972147	-110.1576913	131376.7548409648	4373479.82977232	3228.89603052202	3125.484831207173	3079.08073857449	3078.969284	46.97236392637	46.791966708336
410	4790	-101001.1413	834637.3170250766	39.16658409	-110.1553262	131377.8181937405	4373476.82705418	3223.63167067326	3123.55885401402	3077.493320561536	3077.35786144393	46.062533454849	46.19802395747285
411	4791	-100341.1413	834637.3170250766	39.1665909585828	-110.1532093	131378.8812843272	4373478.815	3222.082786846597	3121.641522164875	3075.890505262715	3076.390176831569	45.74901863216015	45.251343591796
412	4792	-99681.1413	834637.3170250766	39.16659775059745	-110.1508825	131479.944232129	4373467.795710282	3221.18168442017	3119.7324660748	3074.29760606205	3074.665544727648	45.4535680118327	45.167779740016
413	4793	-99021.1413	834637.3170250766	39.16660252216545	-110.1485556	131481.3007	4373463.780361465	3220.27409662374	3117.861820339594	3073.5284497465523	3073.125237101937	45.3337057407095	44.73683822202546
414	4794	-98361.1413	834637.3170250766	39.16661112497806	-110.1462287	131482.0698143937	4373459.76507765	3220.366512503284	3115.9885478678735	3071.988077867735	3071.28227191833	45.01408891510032	44.614625558087
415	4795	-97701.1413	834637.3170250766	39.16661781971671	-110.1439018	131478.132	4373455.70050299	3220.303428672799	3114.155742515313	3069.52157099808	3069.47549943015	44.6320549573217	44.68219258
416	4796	-97041.1413	834637.3170250766	39.16662454972214	-110.1415749	1314894.194023384	4373451.735146173	3214.6730498672305	3112.338555552677	3068.019356050676	3068.26145352805	44.268195510194	44.4270402386724
417	4797	-96381.1413	834637.3170250766	39.16663126391691	-110.1392894	131490.0642730363	4373447.20444658	3213.6345219156717	3110.4148321032748	3066.9222846909	3066.9222846909	44.23679014205467	44.23679014205467
418	4798	-95721.1413	834637.3170250766	39.1666376553633	-110.1369211	131536.3181955555	4373443.706	3212.740253110673	3108.74909076233	3065.29679348024	3064.094504974442	44.045923470846	42.6548611629037
419	4799	-95061.1413	834637.3170250766	39.16664417222256	-110.1345942	1315587.37967573	4373439.69156978	3226.3946	3106.978328	3063.887555479353	3064.451262898534	43.90977271943	42.52761049939854
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422	4782	-93081.1413	834637.3170250766	39.1666639106967	-110.1278135	131619.563209318	4373427.649547444	3221.304388378207	3101.7393098572525	3060.41469166662	3058.8191984574487	41.324861817065041	43.92911139860379
423	4783	-92421.1413	834637.3170250766	39.16667126391691	-110.125687	131629.5453161491	4373423.638627983	3219.51835676739	3100.81935676739	3059.1879724666	3058.9212404666	40.968970812807	43.92911139860379
424	4784	-91761.1413	834637.3170250766	39.1666779784411	-110.1235692	131639.5453161491	4373423.638627983	3219.51835676739	3100.81935676739	3059.1879724666	3058.9212404666	38.9521107307384	43.92911139860379
425	4785	-91101.1413	834637.3170250766	39.16668320501412	-110.1206329	1316793.744242363	4373415.609160264	3216.317390302328	3096.613780123106	3057.5667826961308	3056.050586214018	39.0469749267395	38.351938148813
426	4786	-90441.1413	834637.3170250766	39.1666883643934	-110.118306	1316904.806552149	4373411.59604017	3214.614517621374	3094.830830366065	3053.4236630313384	3053.56343697045	39.01477490526084	41.39439439208071
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429	4789	-88461.1413	834637.3170250766	39.16670661046803	-110.1113253	1317597.78597	4373399.5577325	3212.154034488918	3089.54620047195	3045.394036	3044.677410703525	42.0607839924547	42.880693244744
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434	4794	-85161.1413	834637.3170250766	39.16673622	-110.099808	1318603.283432999	4373379.49740148	3205.811671766184	3081.901512613497	3036.54254084821	3035.74179887506	42.5850195229146	44.07589586
435	4795	-84501.1413	834637.3170250766	39.1667419674802	-110.0973639	1318804.324261626	4373375.48562234	3199.198775149596	3080.325488252173	3035.286634919224	3035.7824892212575	42.5850195229146	44.07589586
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437	4797	-83181.1413	834637.3170250766	39.16675386794411	-110.092787	1319206.126391691	4373367.5453161491	3194.811671766184	3077.934940478671	3033.254470784296	3033.254470784296	42.5850195229146	44.07589586
438	4798	-82521.1413	834637.3170250766	39.16675978744275	-110.090332	1319407.517605301	4373363.45226762	3191.2765960556	3075.660074	3032.2032542190304	3032.2032542190304	42.5850195229146	44.07589586
439	4799	-81861.1413	834637.3170250766	39.16676456498441	-110.0880653	1319608.57570421364	4373359.441459371	3187.7416357193637	3074.1236857213207	3031.1308054866226	3031.1308054866226	42.5850195229146	44.07589586
440	4780	-81201.1413	834637.3170250766	39.16677017071812	-110.0857294	1319809.6326236963	4373355.4307971545	3186.134744583957	3072.602236329495	3029.7404505638082	3030.07851712724	42.5850195229146	44.07589586
441	4781	-80541.1413	834637.3170250766	39.166775									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRIEVEKtKg.f	BRIEVEBothKt.f	SanthBothKt.f	SanthBoth.f
51	47881	-27741.14133	834637.3170250766	39.16707067208534	-100.8972496	336064.75741970097	43730731.49390366	3067.767515820922	2941.6387042043975	2905.749333011007	2905.89250515317805	35.88937090329682	35.746202672107	
52	47882	-27081.14133	834637.3170250766	39.16707253676712	-100.8948227	336265.8015447669	43730727.15309494	3064.6720670710006	2940.8505101033966	2903.1561456867885	2903.2924877424323	37.58904237903634	37.58904237903634	
523	47883	-26421.14133	834637.3170250766	39.16707430503035	-100.8929568	336496.84861490044	43730723.156978374	3064.6342956215727	2935.2009565223236	2907.4774356811583	2935.8987133032777	38.46891758635616	38.46891758635616	
524	47884	-25761.14133	834637.3170250766	39.167076173720406	-100.8902689	336667.889321873	43730716.10179025	3064.6319875564255	2939.2719875564255	2898.2136235901035	2898.3487356396241	41.0581643764398	40.9222956	
525	47885	-25011.14133	834637.3170250766	39.16707786913918	-100.8879419	336888.93207303396	43730715.365	3064.673658518734	2938.476806	2895.7176264764794	2896.0641250404234	42.7596533664068	42.41268533872608	
526	47886	-24441.14133	834637.3170250766	39.16707956063878	-100.885615	337099.97645666173	43730711.169604695	3064.6933615314734	2937.674117549301	2893.7531758785326	2894.1199852774077	43.5541327691815	43.5541327691815	
527	47887	-23781.14133	834637.3170250766	39.16708119396279	-100.8832881	337301.019790085	43730712.72438986	3064.8353566975713	2936.8614434956025	2892.1410957514913	2892.4943495421904	44.702347081115	44.367047081115	
528	47888	-23121.14133	834637.3170250766	39.16708279501027	-100.8809612	337502.06296175614	43730703.179	3065.100112947647	2936.3072821226792	2889.9415642363897	2890.457465092926	45.78963717962859	45.78963717962859	
529	47889	-22461.14133	834637.3170250766	39.1670843706416	-100.8786343	337703.1059746287	43730699.18308454	3065.364868215723	2937.1318132416578	2887.2275324747837	2888.2275324747837	46.86915368966632	47.87433474468674	
530	47890	-21801.14133	834637.3170250766	39.16708595	-100.8750373	337904.148257944	43730695.19403108	3065.6252654557985	2934.3512935651474	2884.0038464986233	2884.02670793571	50.2842272302424	50.2842272302424	
531	47891	-21141.14133	834637.3170250766	39.16708731635326	-100.8739804	338105.191526537	43730691.19431068	3065.838836823135	2934.4607861593	2880.628212693393	2880.496818005918	52.85858517	52.99024978100124	
532	47892	-20440.14133	834637.3170250766	39.16708873379455	-100.8716535	338306.234065144	43730687.19975309	3064.64308634868	2932.607139957496	2878.5166834974072	2878.5166834974072	54.09045640450536	54.2843873005734	
533	47893	-19821.14133	834637.3170250766	39.16709010586009	-100.8693266	338507.2764658095	43730683.25038082	3063.897268462232	2931.710853	2878.8737827095503	2878.8737827095503	55.82710655285895	55.82710655285895	
534	47894	-19161.14133	834637.3170250766	39.16709143319513	-100.8669997	338708.3186702565	43730679.211829175	3063.152546518575	2930.769466953	2878.076933901323	2878.076933901323	57.12073015782098	57.12073015782098	
535	47895	-18501.14133	834637.3170250766	39.16709271558459	-100.8646277	338909.3807	43730675.217197971	3062.240510425477	2929.966827580111	2876.911281079575	2876.911281079575	58.5064565005375	58.5064565005375	
536	47896	-17841.14133	834637.3170250766	39.1670933020845	-100.8623458	339110.40245835	43730671.223311239	3061.164689472258	2928.918141282656	2876.7836115107343	2876.9602757647987	59.4768551785932	59.4768551785932	
537	47897	-17181.14133	834637.3170250766	39.16709351455274	-100.8600189	339311.4443983847	43730667.22963513	3060.089224668273	2927.9610077044633	2876.800656951612	2876.115657380849	60.8603417528113	60.8603417528113	
538	47898	-16521.14133	834637.3170250766	39.16709626307945	-100.8576792	339512.48599414306	43730663.33118517	3059.001278592703	2926.9653382176	2876.996077832164	2876.6985120150352	62.0068196373093	62.0068196373093	
539	47899	-15861.14133	834637.3170250766	39.16709735853867	-100.855365	339713.5273434315	43730659.243	3057.553011399279	2925.96810896594	2876.837294912533	2876.853471608934	63.51515084061534	63.5150739826701	
540	47900	-15201.14133	834637.3170250766	39.16709836634809	-100.8530381	339914.7661746235	43730655.24666475	3055.735628014949	2924.303986422396	2876.230167511715	2876.791726405048	64.70077285218675	64.70077285218675	
541	47901	-14541.14133	834637.3170250766	39.16709946604167	-100.8507112	340115.6098434326	43730651.25689815	3053.918753981019	2923.88127093109	2874.35811935762	2874.068021659972	65.49689274092446	65.49689274092446	
542	47902	-13891.14133	834637.3170250766	39.1671004363436	-100.848343	340316.0056145494	43730647.33689552	3052.161625718887	2922.8140641639305	2873.55120510427	2873.012647240752	66.5842866247179	66.5842866247179	
543	47903	-13241.14133	834637.3170250766	39.1671014233676	-100.845974	340517.3330554746	43730643.2712811678	3050.49967	2921.821368498686	2872.5536498254674	2872.5536498254674	67.683458950281	67.683458950281	
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545	47905	-11901.14133	834637.3170250766	39.167103067472176	-100.8414035	340919.728947576	43730635.3265264	3046.702788925615	2919.5280603210567	2864.82835	2864.8022171043674	69.54257892166901	69.54257892166901	
546	47906	-11241.14133	834637.3170250766	39.16710385546009	-100.839076	341120.8132445005	43730631.294	3039.768010296876	2918.4112033737286	2861.993162055495	2861.881983317902	70.64178634723381	70.64178634723381	
547	47907	-10581.14133	834637.3170250766	39.16710458562405	-100.8367497	341321.833441796	43730627.30250687	3037.79998441437	2917.287308886307	2860.5162566365	2860.388145180134	71.66900522224556	71.66900522224556	
548	47908	-9921.14133	834637.3170250766	39.16710526959014	-100.8344228	341522.893	43730623.71054821	3035.581321790427	2916.154675159629	2860.550960620436	2860.434542841874	72.65037684758527	72.65037684758527	
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550	47910	-8601.14133	834637.3170250766	39.16710672539819	-100.8297689	341924.9730722057	43730615.72774389	3032.18596320179	2913.865810333576	2859.142777490029	2859.142777490029	74.62146905354441	74.62146905354441	
551	47911	-7941.14133	834637.3170250766	39.167107212115565	-100.827442	342126.162746831	43730611.33651045	3030.120530139627	2912.7650060778002	2861.77659854772	2861.7199551082317	75.603750091622115	75.603750091622115	
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553	47913	-6621.14133	834637.3170250766	39.16710812898525	-100.8227882	342528.0913698186	43730603.355	3025.24506277973	2910.491873437825	2860.622106647838	2860.552980276943	77.56967678594647	77.56967678594647	
554	47914	-5961.14133	834637.3170250766	39.16710843121554	-100.8204612	342729.13048574596	43730600.36380895	3023.2020802748129	2909.372812548493	2858.776025208234	2858.673154254003	78.569765354565	78.569765354565	
555	47915	-5301.14133	834637.3170250766	39.16710882479898	-100.8181343	342930.1694857387	43730597.37397007	3020.081644188533	2908.330585850766	2855.51781082551	2855.592387148873	79.5717748325661	79.5717748325661	
556	47916	-4641.14133	834637.3170250766	39.16710923339815	-100.8158074	343131.2082602145	43730593.3023098	3018.0630249237	2907.164394711045	2854.1536492119457	2854.1536492119457	80.57179094710957	80.57179094710957	
557	47917	-3981.14133	834637.3170250766	39.16710963219805	-100.8134805	343337.249821788055	43730589.39282419	3016.023925240738	2906.075117517894	2848.922054	2846.901448650447	81.55608294	81.55608294	
558	47918	-3321.14133	834637.3170250766	39.16710980555762	-100.8111535	343533.28542315844	43730586.40326777	3010.9918459311297	2905.00509294475	2847.12984095275	2841.985551010466	82.675106825	82.675106825	
559	47919	-2661.14133	834637.3170250766	39.16711000295262	-100.8088266	343734.327760596	43730583.41003511	3008.76548485794	2903.34043568283	2836.7988929420586	2836.95628104167	83.7251262256431	83.7251262256431	
560	47920	-2001.14133	834637.3170250766	39.1671101680196	-100.8064997	343935.36197678954	43730580.342340655	3007.164935207401	2902.895065099774	2832.01025258351	2832.137118879097	84.79304211	84.79304211	
561	47921	-1341.14133	834637.3170250766	39.16711028180572	-100.8041728	344136.4000255718	43730583.43965516	2995.6238550570146	2901.857734742032	2827.638742877719	2827.504008898975	85.7910191864827	85.7910191864827	
562	47922	-681.14133	834637.3170250766	39.16711030563678	-100.8018493	344337.4379225538	43730580.44457496	2990.083836	2900.83037616622	2823.774679555568	2823.774679555568	86.75082591106352	86.75082591106352	
563	47923	-11.14133	834637.3170250766	39.167110326339815	-100.7995874	344539.4730267438	43730577.420932927	2988.14308429237	2900.075117517894	2821.12339542634	2821.12339542634	87.78170717659314	87.78170717659314	
564	47924	638.858673033514	834637.3170250766	39.1671103534328	-100.797192	344739.5132060893	43730574.464497	2982.75145356076	2900.800591697022	2820.11233954613	2820.09173321565	88.76825151	88.76825151	
565	47925	1298.858673033514	834637.3170250766	39.167110287564576	-100.794851	344940.550705309	43730571.47860055	2978.83688320194	2900.76462550594	2820.387120739643	2820.6567125392	89.74093418126246	89.74093418126246	
566	47926	1958.858673033514	834637.3170250766	39.16711017664023										

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SurfBothKgr.f	SurfBoth.f
547	45	48007	55416.85867307335	3843637.3170250766	39.166951925750834	-100.6040578	361425.1263580002	4336528.990359268	2805.1530457906406	274.70409810929213	2712.827328280791	2712.08553590745633	51.971242728440215	52.655454593466802
548	45	48008	5607.85867307335	3843637.3170250766	39.166948130149444	-100.6017039	361626.151968561	4336525.016278441	2803.633656213575	2747.360876221355	2711.0530802100534	2710.8309676667054	51.92776901130879	52.14905854646875
549	45	48009	5628.85867307335	3843637.3170250766	39.16694428969277	-100.598404	361627.174554335	4336521.941871338	2801.142763680534	2753.22307374771	2708.068349478768	2709.1465147122136	52.1370342803022	52.078598005582829
550	45	48010	57398.85867307335	3843637.3170250766	39.166940403357584	-100.5970771	362028.2028	4336517.06788028	2799.436873530043	2759.436873530043	2717.79166159004	2716.9317600117009	52.629023476170096	52.02903476170096
551	45	48011	58058.85867307335	3843637.3170250766	39.16693647205352	-100.5947502	362229.22799763456	4336513.094078476	2798.894052053427	2757.70993578584	2704.5057325590947	2705.7030871415222	53.20420516759506	52.0066859433193
552	45	48012	58718.85867307335	3843637.3170250766	39.16692349581159	-100.5924232	362430.2530736545	4336509.124042671	2802.01174761807	2755.363061228134	2702.8204524675352	2705.9105653241788	53.14315356227814	50.5034079963481
553	45	48013	59378.85867307335	3843637.3170250766	39.16692047463311	-100.5909963	362631.27801650815	4336505.146880067	2805.124531802723	2754.2286051687106	2702.860182979681	2707.2255197411229	53.4684221890239	47.00380542748144
554	45	48014	60038.85867307335	3843637.3170250766	39.16692044050499	-100.5877694	362832.3026244504	4336501.173892273	2808.247158473376	2752.515185985885	2705.053118874138	2708.4264808498124	53.46740004848726	44.089270110173095
555	45	48015	60988.85867307335	3843637.3170250766	39.166920274731616	-100.5864495	363033.3027938905	4336497.2068779653	2811.05267683145	2750.8576688405187	2703.749545818094	2710.817238344889	53.48176335962893	45.8405389562893
556	45	48016	61358.85867307335	3843637.3170250766	39.166916141141295	-100.5831156	363234.3520452405	4336492.22763764	2816.658797298499	2749.34509000502	2710.9355454149695	2714.190420243932	53.471737339	35.1588775612029
557	45	48017	62018.85867307335	3843637.3170250766	39.16691194	-100.5807887	363435.3746054584	4336489.24663594	2816.243987813835	2748.402398105625	2717.2741619769004	2716.204208567105	53.76823612866474	26.78135120437628
558	45	48018	62678.85867307335	3843637.3170250766	39.16690764539965	-100.5784618	363630.4007407293	4336485.28227607	2818.9187173291804	2746.8351206124144	2724.1863511803347	2732.0810601022776	53.66496941910612	18.92043901136782
559	45	48019	63338.85867307335	3843637.3170250766	39.166913493085555	-100.5761349	363837.424888898	4336481.938965267	2820.1446835982642	2745.659838268426	2729.359755115531	2732.8821496811968	53.6008373171148	12.77778865145782
560	45	48020	63998.85867307335	3843637.3170250766	39.16689984781195	-100.5737808	364038.4489055245	4336477.337610132	2820.730505	2744.495110515841	2730.70176686071	2733.6915782216233	53.79334649770122	10.80332494217803
561	45	48021	64658.85867307335	3843637.3170250766	39.166894687141199	-100.5714811	364239.4727905027	4336473.365537671	2821.1463254473474	2743.3334110216396	2728.743890179601	2739.5890846254738	53.7213621928999	9.8510321928999
562	45	48022	65318.85867307335	3843637.3170250766	39.16689025145119	-100.5691542	364440.496542065	4336469.394	2821.5821461105526	2742.17141105526	2719.324322900795	2725.1363433117116	53.724708904646147	17.03480474331401
563	45	48023	65978.85867307335	3843637.3170250766	39.16688579081597	-100.5668273	364641.520166878	4336465.42	2818.863231	2741.0072863111663	2710.430601333459	2718.012955300249	53.7068495970711	22.994330953143162
564	45	48024	66628.85867307335	3843637.3170250766	39.1668812753555	-100.5645033	364842.5435855043	4336461.054362211	2816.049581112972	2739.83923422518	2701.63686743396	2716.908162464748	53.7068495970711	28.931219779770154
565	45	48025	67298.85867307335	3843637.3170250766	39.166877147109964	-100.5621734	365043.5607196066	4336457.47884336	2821.2359308125233	2738.668124730083	2693.7136204564334	2704.8414661375235	53.704549864948373	34.18665857284046
566	45	48026	67958.85867307335	3843637.3170250766	39.16687210923918	-100.5598465	365244.590250130	4336453.0078008	2824.02280512753	2737.491370740284	2686.782302689432	2698.96546718323	50.704347013555845	38.52612101171053
567	45	48027	68618.85867307335	3843637.3170250766	39.1668745882325	-100.5575196	365445.613350368	4336445.39749455	2806.596023637915	2736.3088406250185	2681.599934904791	2696.7517582436091	53.71184713927365	39.5578480041494
568	45	48028	69278.85867307335	3843637.3170250766	39.16686753426218	-100.5551927	365646.632652521	4336435.56592433	2806.7570189157	2735.198334801675	2689.70529575321	2697.83203773636	53.710547726311556	37.29653173811556
569	45	48029	69938.85867307335	3843637.3170250766	39.166862746374685	-100.5528614	365849.64454458	4336421.59574989	2804.51829674838	2734.146875808952	2689.021617392124	2699.4672474207472	53.710547726311556	24.26852546797733
570	45	48030	70598.85867307335	3843637.3170250766	39.1668533790543	-100.5505389	366048.68174042	4336437.62499116	2807.07433292314	2732.74907	2680.66034577053	2710.8813923679456	53.710547726311556	22.04351454949418
571	45	48031	71258.85867307335	3843637.3170250766	39.16684840770801	-100.548212	366249.704552394	4336432.65629095	2806.58913425806	2731.5916431429047	2684.80582692268	2711.7962713522739	53.710547726311556	19.72343054444385
572	45	48032	71918.85867307335	3843637.3170250766	39.1668433256639	-100.5458851	366450.7260441017	4336428.66420026	2805.387297400827	2730.308231988851	2690.551353778036	2713.8449754534674	53.710547726311556	16.4632511833396
573	45	48033	72578.85867307335	3843637.3170250766	39.1668381247718	-100.5435582	366651.74932714854	4336425.714209131	2804.2056529078081	2729.08938023457	2697.6426894144806	2716.486029824752	53.710547726311556	12.93305355994962
574	45	48034	73238.85867307335	3843637.3170250766	39.166833647445316	-100.5412123	366852.715211039	4336421.744339523	2803.023913439523	2727.8614805044304	2706.9344273861434	2712.498124657648	53.710547726311556	9.8720753118290132
575	45	48035	73898.85867307335	3843637.3170250766	39.1668289674685	-100.5389844	367053.736934988	4336417.714751542	2801.532147876334	2726.832389468796	2705.837642948796	2718.337642948796	53.710547726311556	6.8403258077171
576	45	48036	74558.85867307335	3843637.3170250766	39.1668242545314	-100.5365775	367264.815252653	4336413.005293598	2799.73033796482	2725.17670774044	2704.837642948796	2718.337642948796	53.710547726311556	3.8403258077171
577	45	48037	75218.85867307335	3843637.3170250766	39.16681842679176	-100.5342506	367465.833188105	4336409.36	2797.928564522881	2724.17483760896	2706.8884505022365	2710.66426804854	53.710547726311556	0
578	45	48038	75878.85867307335	3843637.3170250766	39.1668133786694	-100.5319237	367665.8581245824	4336405.86	2796.12757284974	2722.847136962948	2722.847136962948	2711.7962713522739	53.710547726311556	0
579	45	48039	76538.85867307335	3843637.3170250766	39.16680841810973	-100.5295968	367857.880530053	4336401.898	2794.68037874638	2721.5642798739276	2718.6172744152927	2719.84058403839	53.710547726311556	1.723425933886046
580	45	48040	77198.85867307335	3843637.3170250766	39.166802913407444	-100.5272699	368058.019903207	4336397.924914301	2793.589359382567	2720.268271568545	2708.170227864354	2709.050693949675	53.710547726311556	1.12731776188989
581	45	48041	77858.85867307335	3843637.3170250766	39.16679676370105	-100.524943	368259.52228981216	4336393.960534563	2792.49343687279	2718.568262803224	2699.8613348962567	2700.331612045218	53.710547726311556	18.62669503780421
582	45	48042	78518.85867307335	3843637.3170250766	39.1667913091675	-100.5226113	368460.94454458	4336389.39115509	2791.077334175948	2717.634892	2699.021617392124	2699.4672474207472	53.710547726311556	15.8403258077171
583	45	48043	79178.85867307335	3843637.3170250766	39.166786296309	-100.5202892	368689.965519419	4336385.03861131	2790.04462753156	2716.2986899819	2687.165267	2687.53218482401	53.710547726311556	12.7965017280266
584	45	48044	79838.85867307335	3843637.3170250766	39.1667815	-100.5179623	368892.864185925	4336382.0578415	2789.189734	2714.549538735133	2682.321422116181	2682.735003	53.710547726311556	9.8720753118290132
585	45	48045	80498.85867307335	3843637.3170250766	39.1667760572064	-100.5156354	369064.007208296	4336378.0873457	2788.075050067645	2713.58729444894	2678.3081185618075	2678.741184056803	53.710547726311556	34.846654929313685
586	45	48046	81158.85867307335	3843637.3170250766	39.1667705134828	-100.5133085	369265.20787276274	4336374.120140745	2786.960276133569	2712.2139756419524	2676.882407169308	2676.882407169308	53.710547726311556	37.3576902492405
587	45	48047	81818.85867307335	3843637.3170250766	39.16676501203093	-100.5109816	369466.048097091	4336370.15280571	2785.35701585947	2710.828515689637	2671.862504222925	2671.862504222925	53.710547726311556	39.06266751923431
588	45	48048	82478.85867307335	3843637.3170250766	39.16675941776945	-100.508647	369667.0068	4336366.18519329	2783.766796336708	2709.43210723109	2668.900123072245	2668.900123072245	53.710547726311556	41.3419740006362
589	45	48049	83138.85867307335	3843637.3170250766	39.166753814818184	-100.506309	369868.044618184	4336362.25409094	2782.05344630924	2708.34524630924	2667.12229017556	2667.12229017556	53.710547726311556	44.0369142511982
590	4													

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBthKrg.f	SatHtLogs.f	SatHtBth.f
33	66	48133	-349821.1413	835297.3170250766	39.16260977776161	-102.032747	237966.26239415232	43293023.645537692	3963.2951044888846	3817.246268142267	3771.606771884886	3767.476173294238	45.6356909234085	49.76628951998873
34	66	48134	-349161.1413	835297.3170250766	39.16263536716109	-102.0304204	238167.40871988423	433199.567370257	3968.19819348727355	3815.927593	3773.743070543276	3769.3924607389495	42.1840217595262	46.5353870393069
35	66	48135	-348501.1413	835297.3170250766	39.16263573	-102.0308038	238345.547283545	439196.161	3968.108192	3814.617452134804	3770.84693434884	3769.8382769072329	38.55330770002345	46.5353870393069
36	66	48136	-347841.1413	835297.3170250766	39.16268103895056	-102.0257672	238569.70089725477	439319.136751051	3955.873067417934	3813.010674147394	3770.9554571605217	3771.0416971818323	34.005398987412445	42.26917712061176
37	66	48137	-347181.1413	835297.3170250766	39.16270470274961	-102.0234406	238770.8461397348	439318.7315	3953.636515776038	3812.0082647198205	3780.0837796751927	3769.1075792424231	31.92484844462784	42.90125099639674
38	66	48138	-346521.1413	835297.3170250766	39.16272832165915	-102.0211141	238971.91427719196	439318.323287508	3905.405246118031	3810.790640818182	3780.556182555159	3768.4584744142036	46.735510423032003	46.735510423032003
39	66	48139	-345861.1413	835297.3170250766	39.16275189563365	-102.0187875	239173.13645722854	439319.75137335	3948.793650857084	3809.4148510716087	3789.09624724555	3768.5952618937321	30.1860377301382	50.822220802897904
40	66	48140	-345201.1413	835297.3170250766	39.16275426472994	-102.0164608	239374.28122786744	4393175.06983232	3945.804125375855	3808.1255117700534	3775.997478775213	3768.45849483302	32.102239948312	51.6316572876173
41	66	48141	-344541.1413	835297.3170250766	39.16276989071778	-102.0141343	239595.42574004244	439319.868981653	3940.81590322633	3806.847799210414	3772.16301	3755.90239489881	34.68078981063634	47.61389811063634
42	66	48142	-343881.1413	835297.3170250766	39.16282234794616	-102.0118077	239737.57	439319.606703616	3939.827025	3805.56958923428	3758.26333634396	3758.52642251985	37.3025297	47.2401663854533
43	66	48143	-343221.1413	835297.3170250766	39.16284547177818	-102.0094811	239977.173898109	4393176.825504288	3937.209972453714	3804.3026993707417	3764.7902323279695	3761.611430586986	35.126414277205	42.69126878404313
44	66	48144	-342561.1413	835297.3170250766	39.16286904147832	-102.007145	240178.8577273164	439315.744843904	3934.9641142507863	3803.042905	3761.5871027409564	3759.726826880454	41.4512022375352	43.3160789
45	66	48145	-341901.1413	835297.3170250766	39.1628923584141	-102.0048279	240380.01280119684	439315.664	3932.71851261871	3801.78993331799	3758.87809893885	3753.1489155653305	42.9183459291369	48.64101497546835
46	66	48146	-341241.1413	835297.3170250766	39.162915655269124	-102.0025013	240581.14443112776	439315.08297147	3930.4754589693423	3766.668759509427	3747.661733843701	3748.875173399556	52.881725125641424	47.61389811063634
47	66	48147	-340581.1413	835297.3170250766	39.16293886976142	-102.0007147	240762.2873966225	439314.50243362	3927.788389	3760.30309431919	3754.8589171	3742.956582095256	44.4830478514874	56.34681533666261
48	66	48148	-339921.1413	835297.3170250766	39.16296203191123	-101.9978811	240963.4301054849	439314.422187192	3924.660390245535	3753.313014951825	3738.316555692876	3744.7531577147095	59.75183403161683	59.75183403161683
49	66	48149	-339261.1413	835297.3170250766	39.162985163809545	-101.9955215	241184.5725523296	439314.324059637	3921.5416725865484	3756.838816316217	3752.350592051232	3743.55691910612656	44.88822464859509	58.217066969516
50	66	48150	-338601.1413	835297.3170250766	39.16300824362527	-101.9931499	241385.714752537	4393134.26110684	3918.481545275274	3753.6137617215572	3751.299867614143	3743.55691910612656	42.9183459291369	52.0576379754523
51	66	48151	-337941.1413	835297.3170250766	39.16303127837542	-101.9908683	241586.8566913634	4393130.182340332	3915.2053125060916	3754.392518802966	3749.962782662891	3748.050676643436	44.42973613988538	46.38691113862296
52	66	48152	-337281.1413	835297.3170250766	39.1630537423	-101.9885417	241787.9837396346	4393126.103	3911.90267	3753.174260519072	3748.366839215285	3748.050676643436	42.01262263434228	47.61389811063634
53	66	48153	-336621.1413	835297.3170250766	39.16307771306871	-101.9862151	241989.138	4393122.03335902	3908.60020533884	3791.958047291397	3746.5643328461697	3753.22299573887	45.393731870118	38.73510498
54	66	48154	-335961.1413	835297.3170250766	39.16310011301179	-101.9838885	242190.2809713592	4393120.44100795	3905.297374554537	3790.457036549205	3744.5730965487	3754.5730965487	47.429642117604	36.586206
55	66	48155	-335301.1413	835297.3170250766	39.16312593189071	-101.9815622	242396.22061855172	4393118.65362306	3902.819613671629	3782.10911439678	3791.498354040667	3744.5730965487	38.51118520143429	36.586206
56	66	48156	-334641.1413	835297.3170250766	39.16314577800597	-101.9792523	242592.5625463846	4393109.78617308	3903.85235307417	3788.30900105295	3738.425321471334	3756.82302048927	34.68078981063634	31.44756933274274
57	66	48157	-333981.1413	835297.3170250766	39.16316834326261	-101.9769087	242793.7059101864	4393106.74674806	3886.87230752279	3780.0837796751927	3756.82302048927	3756.82302048927	34.68078981063634	31.44756933274274
58	66	48158	-333321.1413	835297.3170250766	39.163191263425915	-101.9745821	242994.8431006737	4393101.62894053	3880.1640824816	3785.860642061638	3730.2261745984315	3748.626893	55.6344674620642	37.2337446075785
59	66	48159	-332661.1413	835297.3170250766	39.16321383869894	-101.972554	243195.9829555684	4393097.505060247	3872.62786313075	3780.134758895284	3719.341758860014	3748.626893	65.28120427057178	47.61389811063634
60	66	48160	-332001.1413	835297.3170250766	39.163236569017485	-101.9699288	243397.1226356727	4393093.472	3872.112626	3782.379878095206	3711.466675750367	3716.1779115826184	71.90602324	67.19496611258805
61	66	48161	-331341.1413	835297.3170250766	39.16325915449021	-101.9676022	243598.2269182373	4393089.65362306	3869.259734554537	3782.379878095206	3711.466675750367	3716.1779115826184	80.81722694336366	67.19496611258805
62	66	48162	-330681.1413	835297.3170250766	39.16328176	-101.9651876	243799.401153127	4393085.116652028	3865.87059173829	3780.134758895284	3719.341758860014	3748.626893	62.8724036102111	67.19496611258805
63	66	48163	-330021.1413	835297.3170250766	39.16330419038447	-101.962949	244000.54003145976	4393082.39204335	3864.116908570319	3783.93585918787	3692.57091287309	3725.230972	86.953034147951	54.38293567
64	66	48164	-329361.1413	835297.3170250766	39.1633264096785	-101.9606223	244201.786555528	4393077.162	3863.781270249223	3782.379878095206	3692.57091287309	3725.230972	86.953034147951	54.38293567
65	66	48165	-328701.1413	835297.3170250766	39.16334904661505	-101.9582957	244402.8170261035	4393074.084304415	3863.466816503464	3776.891245477994	3693.393055792694	3732.1433110903645	43.933593685302	44.7304057434904
66	66	48166	-328041.1413	835297.3170250766	39.16337140732601	-101.9559991	244603.95514331764	4393069.07212291	3861.311568121054	3776.891245477994	3693.393055792694	3732.1433110903645	43.933593685302	44.7304057434904
67	66	48167	-327381.1413	835297.3170250766	39.16339372	-101.9536425	244805.993073988	4393058.3298603	3859.2967821026176	3774.18986775977	3694.67407982771	3732.1433110903645	43.933593685302	44.7304057434904
68	66	48168	-326721.1413	835297.3170250766	39.163415932059781	-101.9513916	245006.22061855172	4393053.62306	3856.87059173829	3782.379878095206	3694.67407982771	3732.1433110903645	43.933593685302	44.7304057434904
69	66	48169	-326061.1413	835297.3170250766	39.16343821984029	-101.9498992	245208.5625463846	4393050.7706657	3854.1758540064	3771.45354960435	3694.67407982771	3732.1433110903645	43.933593685302	44.7304057434904
70	66	48170	-325401.1413	835297.3170250766	39.1634604000555	-101.9466626	245408.505082962	4393052.701	3851.4274017343235	3770.0594781981154	3694.203075176532	3728.771793074067	75.8564032048339	41.2876851503472
71	66	48171	-324741.1413	835297.3170250766	39.163482536835666	-101.944336	245609.6413964974	4393048.624428619	3849.23446945814	3768.66272826278	3693.043779081455	3725.846523625783	75.8564032048339	41.2876851503472
72	66	48172	-324081.1413	835297.3170250766	39.16350462782827	-101.9420093	245811.77853799032	4393044.54642982	3847.1398849249017	3767.254370088497	3691.370549525654	3724.721127154982	75.8564032048339	41.2876851503472
73	66	48173	-323421.1413	835297.3170250766	39.16352672408434	-101.9396827	246011.918753121	4393040.45847034	3845.04025990103	3765.83656105933	3689.085863262943	3719.341758860014	75.8564032048339	41.2876851503472
74	66	48174	-322761.1413	835297.3170250766	39.1635496731476	-101.937356	246213.015084047	4393036.3968729	3842.951608831214	3764.401313712004	3686.95389251203	3712.1015349179	74.416543028367	44.297367805214
75	66	48175	-322101.1413	835297.3170250766	39.16357230734871	-101.9351278	246415.9829555684	4393032.8111824	3840.81590322633	3762.10911439678	3694.67407982771	3732.1433110903645	43.933593685302	44.7304057434904
76	66	48176	-321441.1413	835297.3170250766	39.16359514631706	-101.9327028	246615.4661371018	4393028.26104348	3838.7504852567	3761.45354960435	3694.67407982771	3732.1433110903645	43.933593685302	44.7304057434904
77	66	48177	-320781.1413	835297.3170250766	39.1636144093527	-101.9303761	246816.4567101018	4393024.17097519	3836.93223817343	3760.08531820914	3676.725870286714	3701.5885022923965	83.969	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt	BRElevKgs.fg	BRElevBothKgs.fg	SatThKgs.fg	SatThBoth.fg		
159	66	4259	-26661.1413	835297.3170250766	39.16525453157441	-101.7395971	263308.7212852109	4338960.616905125	3725.894322201872	3572.119684762924	3604.745551105978	3060.050635983369	0	0		
160	66	4260	-26601.1413	835297.3170250766	39.16527268110894	-101.7372044	263309.8360405926	4338696.557	3725.79279	3569.580260208208	3602.3483507801374	3603.21367450270166	0	0		
161	66	4261	-26581.1413	835297.3170250766	39.16528935240814	-101.7348356	263310.9516891542	4338682.498	3725.691681080494	3567.622865728514	3598.430151532216	3599.24022093191	0	0		
162	66	4262	-26461.1413	835297.3170250766	39.16530806334611	-101.7320609	263312.0663405113	4338674.43640719	3725.5902730617354	3564.485383524374	3593.3723404014407	3593.831236872928	0	0		
163	66	4263	-26402.1413	835297.3170250766	39.16532680085384	-101.7320281	264113.1800854968	4338674.376594256	3722.546369749642	3561.8590086546267	3590.822668262556	3592.8509550369307	0	0		
164	66	4264	-26361.1413	835297.3170250766	39.1653447482156	-101.7279534	264314.29143119584	4338670.316961609	3716.559916172169	3559.257392348012	3587.4989898466856	3590.350635704246	0	0		
165	66	4265	-26270.1413	835297.3170250766	39.165362676649295	-101.7252626	264515.4962	4338662.26510777	3710.573462594696	3556.6445208067428	3584.4224801072264	3588.24019139275	0	0		
166	66	4266	-26204.1413	835297.3170250766	39.16538054353699	-101.7232999	264716.52301367105	4338662.198229751	3704.587009017223	3541.0211690984414	3581.944656941058	3586.8046019419624	0	0		
167	66	4267	-26138.1413	835297.3170250766	39.165398525989406	-101.7209713	264917.636598989	4338659.39130527	3698.636943241445	3551.389703437656	3578.3530475620584	3586.063606743167	0	0		
168	66	4268	-26072.1413	835297.3170250766	39.16541614248213	-101.7186484	265118.749535197	4338654.08020992	3693.304395154754	3548.753062133568	3576.422635406028	3586.78715993629	0	0		
169	66	4269	-26006.1413	835297.3170250766	39.165443387	-101.7163196	265319.8630751576	4338650.021465443	3687.77927068013	3546.112115572161	3572.4320585	3587.971571431959	0	0		
170	66	4270	-25940.1413	835297.3170250766	39.16545156	-101.7139829	265520.975964737	4338645.62899574	3682.251676891277	3543.4671730573205	3567.959106799751	3591.993097870407	0	0		
171	66	4271	-25874.1413	835297.3170250766	39.165469203873684	-101.7116661	265722.08862238604	4338641.904511475	3675.7400208895383	3540.8186591024573	3563.390578967251	3595.68937888901	0	0		
172	66	4272	-25808.1413	835297.3170250766	39.16548680112043	-101.7093393	265923.201	4338637.846301138	3668.2430246810327	3538.1612703837354	3558.9054417363013	3600.3341660571303	0	0		
173	66	4273	-25742.1413	835297.3170250766	39.1655034352691	-101.7070126	266124.3132	4338633.788268561	3660.746028472527	3535.5009859595828	3554.6624502488157	3605.581065110957	0	0		
174	66	4274	-25676.1413	835297.3170250766	39.16552188079308	-101.7046858	266325.422066659	4338629.730413731	3653.2400226402715	3532.83610798238	3550.50837268097	3606.051425427489	0	0		
175	66	4275	-25610.1413	835297.3170250766	39.165539322318894	-101.7023259	266526.53693919524	4338625.627736643	3645.9161851762833	3530.167824	3546.488730444308	3607.18388978205	0	0		
176	66	4276	-25544.1413	835297.3170250766	39.165556740074325	-101.7000323	266727.648409147	4338621.615237289	3638.747487203913	3527.4946865740735	3542.5932750966446	3610.387374356656	0	0		
177	66	4277	-25487.1413	835297.3170250766	39.16557413149384	-101.6977055	266928.797120534	4338617.557915667	3631.57899242324	3524.817452478689	3538.315094455927	3606.390717142931	0	0		
178	66	4278	-25421.1413	835297.3170250766	39.1655914085399	-101.6953788	267129.8705725134	4338613.500771766	3624.4101271753715	3522.136437609017	3534.5814880943626	3596.833353193752	0	0		
179	66	4279	-25346.1413	835297.3170250766	39.165608723518103	-101.693052	267330.981563401	4338609.433050575	3620.990710881734	3519.45192083414	3530.9274180912168	3583.71540332101	0	0		
180	66	4280	-25280.1413	835297.3170250766	39.1656271241713	-101.6907252	267532.092440214	4338605.39717094	3612.308868067438	3516.74334480154	3527.304295465142	3573.1051829453	0	0		
181	66	4281	-25214.1413	835297.3170250766	39.1656457205914	-101.6884382	267747.61624073864	4338601.61036353	3604.612747551947	3514.074823719215	3523.768982895352	3572.78936852175634	0	0		
182	66	4282	-25148.1413	835297.3170250766	39.165669031867304	-101.6860717	267934.1921617783	4335957.273973222	3621.981063859955	3511.38195826585	3520.476605206857	3545.205636772749	0	0		
183	66	4283	-25082.1413	835297.3170250766	39.16567740476925	-101.6837489	268135.42250812263	4335953.21771871	3618.39831186588	3508.688855	3516.9833997261894	3546.38118666494	0	0		
184	66	4284	-25016.1413	835297.3170250766	39.16569446273054	-101.6814818	268336.5327091954	4335899.161640092	3610.906328235398	3505.995634950723	3513.9574721386234	3540.858739755831	0	0		
185	66	4285	-24950.1413	835297.3170250766	39.165711475751166	-101.6790914	268537.641604746	4335885.105740038	3603.4131252842085	3503.303013816745	3509.4010137193955	3535.1970481481717	0	0		
186	66	4286	-24884.1413	835297.3170250766	39.1657284389108	-101.6767646	268787.758	4335881.00017648	3595.91992233019	3500.6110127715597	3505.8727717843335	3527.044541432209	0	0		
187	66	4287	-24818.1413	835297.3170250766	39.16574572697601	-101.6744738	268989.8597864756	4335879.62472809	3588.99166483983	3497.5206188971847	3503.361086915467	3519.18771718389	0	0		
188	66	4288	-24752.1413	835297.3170250766	39.16576251451687	-101.672111	269140.9652417273	4335875.939105424	3587.632889300778	3495.41082203613	3499.167392042054	3517.683907321214	0	0		
189	66	4289	-24686.1413	835297.3170250766	39.16577907842632	-101.6697842	269342.7054058595	4335858.839131863	3561.2650508118463	3492.5445918943947	3494.85375256824	3499.681951981116	0	0		
190	66	4290	-24620.1413	835297.3170250766	39.1657958674313	-101.6674575	269543.185347078	4335854.828904577	3548.901747936155	3489.896787343877	3490.791537613125	3493.4483710124805	0	0		
191	66	4291	-24554.1413	835297.3170250766	39.1658126011907	-101.6651307	269744.2934115885	4335850.740703396	3538.14911454993	3487.170736716606	3486.5090969110906	3486.33321440013	0.667938055125888	0	0	
192	66	4292	-24481.1413	835297.3170250766	39.16582930555414	-101.6628039	269945.4012	4335856.719413838	3528.9556599147976	3484.4979903018666	3479.65181188668	3482.666205199301	1.8317851025653908	0	0	
193	66	4293	-24422.1413	835297.3170250766	39.1658459204826	-101.6604771	270148.5088582457	4335852.646348492	3518.825923349964	3518.82222219112	3474.937183816655	3477.8178417910626	6.849048022925659	0.400480802129529	0	0
194	66	4294	-24351.1413	835297.3170250766	39.16586257012445	-101.6581352	270347.61624073864	4335849.61036353	3510.612747551947	3514.074823719215	3523.768982895352	3572.78936852175634	0	0		
195	66	4295	-24290.1413	835297.3170250766	39.16587913421364	-101.6558236	270548.7234	4335844.556580814	3505.618758067596	3476.48566629328	3465.0548789067813	3466.997840327316	11.74078902414675	9.487264032331076	0	0
196	66	4296	-24224.1413	835297.3170250766	39.1658958284814	-101.6534968	270749.8303255301	4335840.50256396	3508.243269978405	3473.82534384241	3504.0402974296144	3641.886352266595	13.7850545046264	11.93897815755539	0	0
197	66	4297	-24158.1413	835297.3170250766	39.1659112166148	-101.65117	270950.8370280503	4335836.348795105	3506.67569796705	3471.7095082158	3455.6686093125177	3456.8214791719375	38.397529304710133	12.5949866390736	0	0
198	66	4298	-24092.1413	835297.3170250766	39.16592855404015	-101.6488432	271152.0435042917	4335832.39520411	3511.108108995269	3468.523084830277	3454.031347504152	3454.889337417068	14.49173729124907	13.76637342268801	0	0
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200	66	4300	-23960.1413	835297.3170250766	39.16596127815882	-101.6441896	271545.257876546	4335824.285454875	3502.598178582486	3453.2468041731977	3450.59607873336	3450.978140515432	12.6269636	0	0	
201	66	4301	-23891.1413	835297.3170250766	39.16597830712445	-101.6427892	271768.9174167716	4335819.61877386	3500.6110127715597	3451.824215690782	3447.889311800769	3447.889311800769	12.6269636	0	0	
202	66	4302	-23821.1413	835297.3170250766	39.16599382115697	-101.639356	271956.4672505316	4335816.182613801	3502.598178582486	3453.2468041731977	3450.59607873336	3450.978140515432	12.6269636	0	0	
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204	66	4304	-23696.1413	835297.3170250766	39.1660261843211	-101.6348824	272358.6772131925	4335807.97384029	3502.351924367986	3502.351924367986	3443.2815287795374	3443.2815287795374	12.6269636	0	0	
205	66	4305	-23630.1413	835297.3170250766	39.1660422858274	-101.6325556	272559.7861934236	4335804.02503677	3500.6110127715597	3451.824215690782	3447.889311800769	3447.889311800769	12.6269636	0	0	
206	66	4306	-23564.1413	835297.3170250766	39.1660587842055	-101.6302288	272760.872972725	4335800.97866163	3528.1069	3447.560997469067	3434.1634864211965	3434.965991109993	13.397529304710133	12.5949866390736	0	0
207	66	4307	-23498.1413	835297.3170250766</												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SeaHdgKgr.ft	SurfHtBoth.ft
286	66	48386	-183501.1413	835297.3170250766	39.16718582231107	-101.4464089	288647.4642090807	343180.411725101	3404.532439902354	3240.086747263495	3204.5173233669243	3205.950604809856	35.5694238967115	34.13594243849324
286	66	48386	-182841.1413	835297.3170250766	39.167186296173616	-101.4440421	28848.55167550891	343176.374	3404.20351150341219	3237.408269615846	3197.932116442626	3224.969594942457	39.55717017692288	12.513295125158947
287	66	48387	-182181.1413	835297.3170250766	39.16718702509766	-101.4417582	28840.63487330525	343162.19616502	3403.100349646757	3234.8833158564532	3197.012185654532	3224.855576030297	32.84555453846472	6.6647584543846472
288	66	48389	-181521.1413	835297.3170250766	39.16722310907433	-101.4392483	289250.757831478	343168.2982575414	3404.225545	3232.2054642747595	3183.40356072632	3197.910448	48.8919035412764	0
289	66	48389	-180861.1413	835297.3170250766	39.16723548410628	-101.4371015	289451.8125256208	343164.260813559	3405.342381620348	3229.71962399541	3176.44075	3250.651822333186	53.27881267	0
290	66	48390	-180201.1413	835297.3170250766	39.16724774219466	-101.4347746	289652.890606756	343160.25824545	3406.458927146024	3227.161805107447	3169.208214634525	3256.0527446973605	57.93509407	0
291	66	48391	-179541.1413	835297.3170250766	39.167259991339456	-101.4324477	289853.98538585054	343156.18642208	3406.06576122565	3224.6336765414403	3161.84718025312	3260.456173717932	62.78649629112855	0
292	66	48392	-178881.1413	835297.3170250766	39.16727219554062	-101.4301208	290055.0715093116	343149.14888889	3401.147909569317	3222.15781362244	3154.250730000628	3235.532253495434	67.4073836571	0
293	66	48393	-178221.1413	835297.3170250766	39.16728545479813	-101.4277784	290256.15742320525	343146.112734429	3397.235652776074	3219.781583697326	3146.246553667464	3167.945122544392	73.5337800712914	51.83681402993558
294	66	48394	-177561.1413	835297.3170250766	39.167296469111574	-101.4256717	290457.2431306811	343140.47156838	3393.3212719617258	3217.6201124123994	3138.596597703098	3150.144580933925	70.0333642018419	67.4754531850652
295	66	48395	-176901.1413	835297.3170250766	39.16730838482146	-101.4231402	290658.3283616524	343130.07356112	3390.51893545865	3215.9212618239542	3131.67842056792	3146.472775303785	74.5243576716227	69.4401732021973
296	66	48396	-176241.1413	835297.3170250766	39.16720562908614	-101.420813	290859.4139264217	343136.00332241	3388.825278312104	3214.885904	3127.383747213426	3134.794049638481	70.00313998	46.2564054973481
297	66	48397	-175581.1413	835297.3170250766	39.1673324239133	-101.4184865	291060.4901519355	343136.97485215	3387.131611641578	3214.402358870913	3129.49326871023	3134.656910591054	64.9009897587818	79.74544790673735
298	66	48398	-174921.1413	835297.3170250766	39.16734447693024	-101.4161596	291261.5839891748	343127.9316150285	3385.0379547016825	3214.1925247132026	3133.7815752272738	3151.274537665196	60.41094949	62.916084948698
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303	66	48403	-171621.1413	835297.3170250766	39.16740347546802	-101.4045252	292267.00523334945	343107.755	3404.5507557857017	3214.1415197776195	3143.274014239336	3230.5893367304448	70.86750553718593	0
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307	66	48407	-168981.1413	835297.3170250766	39.16745000530829	-101.3952187	293071.33862717547	343080.3817196098	3357.432947682235	3214.329743682235	3132.567597274413	3157.607597274413	77.484892434307	0
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309	66	48409	-167661.1413	835297.3170250766	39.167472790564695	-101.3905639	293473.50408721087	343083.8459	3398.7863626187985	3214.3766336406948	3111.7428890215534	3186.8245470148993	102.6337446185337	27.5340929259545
310	66	48410	-167001.1413	835297.3170250766	39.16748415877686	-101.388237	293674.5856166539	343080.7514963262	3391.650614136067	3214.416790597993	3101.430771636107	3150.236265486344	112.9860189618862	64.18405337
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314	66	48414	-164361.1413	835297.3170250766	39.167529374	-101.3789294	294478.9142051748	343083.58173108	3399.521767421527	3214.560767421527	3089.5501227192259	3125.0402514270075	120.0402514270075	55.5953719386123
315	66	48415	-163701.1413	835297.3170250766	39.16754067676646	-101.3766025	294679.9562101555	343089.348871042	3372.728067936463	3214.587339750748	3101.8554267268137	3154.369627380482	112.7319130239344	60.271237026587
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317	66	48417	-162381.1413	835297.3170250766	39.16756263832765	-101.3719487	295075.1574658573	343080.5128671006	3369.4662853070195	3214.61221664739	3133.87140807095396	3148.9809863423825	80.7471409551994	56.64523532
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319	66	48419	-161061.1413	835297.3170250766	39.16758472020194	-101.367295	295484.912565365	343084.2917717728	3363.8426448460357	3214.618491481148	3168.97177403331	3169.512485	45.6488174487134	45.10005372589234
320	66	48420	-160401.1413	835297.3170250766	39.16759597772	-101.3649814	295695.3986272547	343080.3817196098	3357.432947682235	3214.629743682235	3132.567597274413	3157.607597274413	77.484892434307	0
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322	66	48422	-159081.1413	835297.3170250766	39.1676174226815	-101.3603143	296087.559884401	343080.7417996383	3344.65261912635	3214.49797955895	3145.2513964232967	3161.6653787987447	99.2640415326623	92.8381151714471
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324	66	48424	-157761.1413	835297.3170250766	39.1676389961321	-101.3556605	296489.719	343080.610613616	3341.89700441771	3214.2908187255115	3128.1876176063015	3148.239351792575	86.10320111809996	94.5415835953945
325	66	48425	-157101.1413	835297.3170250766	39.167649720662524	-101.3533336	296680.7968978186	343091.03939778	3342.19160413705	3214.39683171067	3121.4211674146622	3129.230566170256	92.757809504465	85.906392
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327	66	48427	-155781.1413	835297.3170250766	39.16767102716335	-101.3487184	297082.96844042	343080.7417996383	3342.485412409637	3214.35614384312	3119.34164384312	3120.19225440474	94.59554841	93.62650569431524
328	66	48428	-155121.1413	835297.3170250766	39.16768161414435	-101.3463529	297294.057	343080.93720385	3335.743492	3214.345323709562	3128.264959454428	3148.644676412046	87.79024704939	64.794846358464
329	66	48429	-154461.1413	835297.3170250766	39.16769215541613	-101.344026	297495.1413483156	343082.972321177	3336.510609105463	3214.371222669487	3131.4132879304907	3161.2996116215993	81.7588327625861	51.67260974715004
330	66	48430	-153801.1413	835297.3170250766	39.1677026174349	-101.3416991	297696.192705048							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatH/Kgr.f	SatHBoth.f
417	66	48511	-100341.1413	835297.3170250766	39.168403928138354	-101.1532181	313982.90092768334	33473763.015415078	322.0825748410048	311.513385464038	3075.638586875265	3075.348922	45.9127267765841	45.2015629386508
412	66	48512	-96981.1413	835297.3170250766	39.1684104296249	-101.1508212	314183.963692526	3347368.996654221	331.7217886370716	311.520174812758	3074.555975484321	3074.055975484321	45.4633966436574	45.5641962126314
413	66	48513	-99021.1413	835297.3170250766	39.16841716884084	-101.1486842	314385.926723376	3347364.984049516	324.553200243439	311.726800127068	3072.602374586713	3072.602374586713	45.1044783565579	44.0290616
414	66	48514	-96361.1413	835297.3170250766	39.168423889773436	-101.1462273	314586.086957964	3347368.996654221	325.788216231096	311.8112975334754	3071.197781	3071.810554918255	44.6151955	44.0024211465024
415	66	48515	-97701.1413	835297.3170250766	39.16843056576016	-101.1439103	314787.15089481045	3347366.953427315	322.716831591542	311.8400364720327	3069.86137169225156	3070.0276018373163	44.0786955	43.9124363831643
416	66	48516	-97041.1413	835297.3170250766	39.16843719680437	-101.1415834	314988.213	3347362.933826209	322.6694385815736	311.82078403956256	3068.513911081957	3068.796932579885	43.55644928745687	43.29090313766414
417	66	48517	-96381.1413	835297.3170250766	39.1684437829944	-101.1392564	315189.2788717296	3347368.923487014	323.0218615	311.256798719985	3067.230862567274	3070.27236643436	44.02593615235744	43.51262556044
418	66	48518	-97217.1413	835297.3170250766	39.16844503404864	-101.1369295	315390.3366257256	3347364.980871726	321.732732364124	310.845235192199	3065.832357378266	3066.694460128004	44.291143437251	41.750845739389694
419	66	48519	-95951.1413	835297.3170250766	39.16845680255198	-101.1346029	315591.2985555195	3347364.984049516	321.422367728199	310.6547137894491	3064.1811832023	3065.5268341602764	42.463018975428795	41.1260373241471
420	66	48520	-94401.1413	835297.3170250766	39.1684632150944	-101.1322756	315792.4532684981	3347376.978989415	322.58990201973	310.8416723806217	3062.409744317708	3063.26363232007	42.4519748955936	41.5980858641203
421	66	48521	-94741.1413	835297.3170250766	39.1684697782103	-101.1299488	315983.5200500607	3347362.866	322.0941231191405	310.8309285350077	3061.021494	3062.3967	42.025647	42.025647
422	66	48522	-93081.1413	835297.3170250766	39.168476039186714	-101.1276217	316194.58142531043	3347362.851719495	324.9292560363083	310.13299920708596	3060.294041020148	3060.296544944907	41.03595104671149	41.0333757636892
423	66	48523	-94221.1413	835297.3170250766	39.16848235560649	-101.1252947	316395.6422238174	3347362.837893628	323.1527612713919	309.95839835454394	3060.2460580906504	3060.247179325709	39.033292535789054	39.03084219648194
424	66	48524	-91761.1413	835297.3170250766	39.1684887080315	-101.1229678	316596.7025132667	3347360.82423617	321.7466383173	309.7851371259704	3060.704719310076	3061.76925	37.14665194627994	36.08212092370454
425	66	48525	-91011.1413	835297.3170250766	39.16848485	-101.1206408	316797.76327705334	33473616.0179459	322.036761930027	309.72535953786	3061.07325216484	3062.2756805412437	35.059900417302054	33.8958587242222
426	66	48526	-90441.1413	835297.3170250766	39.1685010351191	-101.118139	316998.82345919254	3347376.127917148	321.9883393408008	309.4426441722924	3062.448605806387	3051.502785517648	41.9780336115367	42.825856534561
427	66	48527	-89781.1413	835297.3170250766	39.16850771162618	-101.1158689	317199.883119534	3347368.784348672	321.810311909758	309.27340689042043	3068.38192625247	3068.763004249268	43.3528055165716	43.97160637277554
428	66	48528	-89211.1413	835297.3170250766	39.16851132635162	-101.11366	317400.9435835306	3347364.771402024	321.6518702750594	309.245456935356	3047.566093279765	3047.566093279765	43.49372413770525	43.97160637277554
429	66	48529	-88461.1413	835297.3170250766	39.16851931026025	-101.11133	317602.003801543	3347360.75831197	321.82922466341	308.97380257223	3054.86932088888	3045.634126357465	43.5416902683411	43.75461438975814
430	66	48530	-87801.1413	835297.3170250766	39.16852531205831	-101.109061	317803.625960047	3347356.746036178	321.7347895853263	304.77895653263	3044.189744949664	3044.27661164049	43.54505409035996	44.4578249875814
431	66	48531	-87411.1413	835297.3170250766	39.1685312689103	-101.106791	318004.1219332965	3347356.7316943	321.965278884522214	306.493723017635	3045.5698845242214	31.9381292611774504	43.52384187762504	43.963596890181
432	66	48532	-86491.1413	835297.3170250766	39.16853170581637	-101.104352	318205.1810922771	3347358.72735635	321.90155004408295	306.3853083007209	3041.027077816124	3039.05301759563	43.43805191084954	44.1981307513554
433	66	48533	-85921.1413	835297.3170250766	39.16853170581637	-101.101744	318406.256941975	3347358.72735635	321.941580745478	306.27602303388	3041.6498721386204	3039.05301759563	43.43805191084954	44.1981307513554
434	66	48534	-85161.1413	835297.3170250766	39.1685488973005	-101.099692	318607.2987548527	3347358.69141005	321.9544555183172	306.21463410875	3038.216160640881	3038.147550159085	43.0295752020656	43.098575915179026
435	66	48535	-84501.1413	835297.3170250766	39.1685544685825	-101.0973713	318808.357000831	3347376.685897987	320.99965550193	307.9584018707353	3037.037308748628	3042.4213068547	42.61688792267028	42.2118056378053
436	66	48536	-83841.1413	835297.3170250766	39.16856037898014	-101.095043	319004.419584498	3347375.6214751673	319.4569553768015	307.0726032421146	3035.9332185428555	3036.417170091896	42.14074179259104	41.65579025030502
437	66	48537	-83181.1413	835297.3170250766	39.16856066155876	-101.0927174	319210.4741871885	3347366.662793112	319.69412107040298	307.0526036129576	3034.855337017034	3034.855337017034	41.723712445701	41.723712445701
438	66	48538	-82521.1413	835297.3170250766	39.16857171	-101.090304	319411.53231181554	3347364.651604302	319.4741697340018	307.4146973459511	3033.77231473253	3033.77231473253	41.16938037484594	40.687169004862
439	66	48539	-81861.1413	835297.3170250766	39.1685773569918	-101.088638	319687.7052778877	3347360.540891227	319.426369298564	307.39538498148	3032.64296198467	3032.0028317851475	40.78790240584	40.78790240584
440	66	48540	-81201.1413	835297.3170250766	39.1685773569918	-101.0857269	31987.62073587	3347356.62973587	318.9730072072	307.84904952991	3031.1873934923	3031.1873934923	40.78790240584	40.78790240584
441	66	48541	-80541.1413	835297.3170250766	39.1685883538906	-101.083495	320014.7055303287	3347352.61909267	318.911605691236	307.3160364757	3029.29130818615	3029.5224640857175	41.02522163	40.7940456185956
442	66	48542	-79881.1413	835297.3170250766	39.1685932874331	-101.081026	320215.7629170148	3347348.60806365	308.792875161136	3026.8760141801963	3026.8760141801963	3026.8760141801963	41.8124059744564	41.8124059744564
443	66	48543	-79221.1413	835297.3170250766	39.16859924512945	-101.0787556	320468.16201275417	3347354.59826191	318.1800793693436	306.727280187146	3023.925479305152	3024.96595254363	41.8124059744564	41.8124059744564
444	66	48544	-78561.1413	835297.3170250766	39.1686045148455	-101.0764287	320617.871621691	3347350.58161676	317.905952282595	306.5769215843722	3020.58704904272	3020.960541305726	41.8124059744564	41.8124059744564
445	66	48545	-77911.1413	835297.3170250766	39.16860954552226	-101.0747017	320818.934021102	3347356.578	317.6210862696758	306.2470887452784	3017.45825910044	3018.207451921034	41.8124059744564	41.8124059744564
446	66	48546	-77241.1413	835297.3170250766	39.1686152816205	-101.071748	32109.9907045296	3347356.578	317.6210862696758	306.2470887452784	3017.45825910044	3018.207451921034	41.8124059744564	41.8124059744564
447	66	48547	-76581.1413	835297.3170250766	39.16862046587724	-101.069478	321221.02471	3347352.585812304	316.951304520515	302.1631097361287	3017.11499093071	3017.11499093071	41.8124059744564	41.8124059744564
448	66	48548	-75921.1413	835297.3170250766	39.1686255864572	-101.0671208	321422.103547575	3347352.54380521	317.025485974065	302.837878548631	3009.9035101485147	3010.7283089595465	41.8124059744564	41.8124059744564
449	66	48549	-75261.1413	835297.3170250766	39.16863006476824	-101.064739	321623.159703927	3347350.58124005	317.025485974065	302.837878548631	3009.9035101485147	3010.7283089595465	41.8124059744564	41.8124059744564
450	66	48550	-74601.1413	835297.3170250766	39.16863509347735	-101.0624669	321824.2157	3347356.513	316.9230471375151	306.9340865204663	3006.085330815147	3006.085330815147	41.8124059744564	41.8124059744564
451	66	48551	-73941.1413	835297.3170250766	39.16864096773404	-101.06014	322025.2714965914	3347352.522139099	316.836965548731	305.84412782784	3005.769215843722	3005.769215843722	41.8124059744564	41.8124059744564
452	66	48552	-73281.1413	835297.3170250766	39.16864598027668	-101.057813	322226.373131363	3347350.54309097	316.7517622758003	305.404764960234	3002.927712983124	3003.011324968075	41.8124059744564	41.8124059744564
453	66	48553	-72621.1413	835297.3170250766	39.1686512816205	-101.055419	322427.36819831	3347350.54309097	316.7517622758003	305.404764960234	3002.927712983124	3003.011324968075	41.8124059744564	41.8124059744564
454	66	48554	-71961.1413	835297.3170250766	39.168655871385106	-101.053159	322628.473878931	3347350.54309097	316.7517622758003	305.404764960234	3002.927712983124	3003.011324968075	41.8124059744564	41.8124059744564
455	66	48555	-71301.1413	835297.3170250766	39.1686607495296	-101.050831	322829.492922218	3347349.48276052	316.6333836	304.8167910590331	3003.608757518514	3003.561093040977	41.8124059744564	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtLogK.ft	SatHtBothK.ft
537	66	48637	-17181.14133	835297.3170250766	39.16890780459184	-100.8600204	393515.4410520718	4337168.412502162	3064.2072915973304	2927.9600303486704	2883.789111658321	2883.93877139479	44.17089139034925	44.02162590919124
538	66	48638	-15021.14133	835297.3170250766	39.16890565217363	-100.8578394	339516.4854265261	4337164.418406958	3062.851176204484	2926.968794103769	2881.673057625183	2881.673057625183	45.2950832125384	45.2950832125384
539	66	48639	-11961.14133	835297.3170250766	39.16891024808684	-100.8536461	38717.523721738	4337162.43366449	3061.3888653794384	2925.964167206424	2881.948774272676	2881.948774272676	44.12791137	44.12791137
540	66	48640	-10521.14133	835297.3170250766	39.16891111249704	-100.8530395	339918.5648242695	4337156.412006093	3062.851347129254	2926.968794103769	2883.663790064873	2885.321183403485	45.2950832125384	45.2950832125384
541	66	48641	-14541.14133	835297.3170250766	39.16891212523865	-100.8507125	340119.60576831474	4337152.438300415	3058.256943846448	2923.862469646145	2891.4282041488295	2887.96587799201	43.2426581563199	43.2426581563199
542	66	48642	-13881.14133	835297.3170250766	39.16891300303354	-100.8483855	340320.6465585129	4337154.459497371	3062.73643271063	2887.6476721529298	2888.756371547416	31.3539717156755	31.0727612596977	31.0727612596977
543	66	48643	-13221.14133	835297.3170250766	39.16891401588167	-100.8460585	340521.68719207053	4337144.453193924	3054.2188916250647	2921.688916553481	2882.208249611771	40.1560685731167	39.4806216620348	39.4806216620348
544	66	48644	-12561.14133	835297.3170250766	39.16891489376306	-100.8437315	340272.72760191225	4337140.46058799	3050.82093202956	2920.5814882131434	2876.1840344121574	28.7354246461181	24.9374508006901	24.9374508006901
545	66	48645	-11961.14133	835297.3170250766	39.16891572673815	-100.8414046	340823.7689384606	4337136.468154849	3049.430687684234	2920.5814882131434	2876.1840344121574	28.7354246461181	24.9374508006901	24.9374508006901
546	66	48646	-11211.14133	835297.3170250766	39.1689165744602	-100.8390776	341124.805260889	4337132.45798743	3044.0391851518852	2918.5342441193192	2865.627356700598	2955.5118537105	52.7823803212603	52.7823803212603
547	66	48647	-10581.14133	835297.3170250766	39.16891758707166	-100.8367508	341523.84827392054	4337128.483173855	3041.0525509138916	2917.197637696415	2863.741560715198	2863.76373834458	53.607450344355	53.62078038
548	66	48648	-9921.141327	835297.3170250766	39.168917955921586	-100.8344236	341526.881323412	4337124.49191072	3038.97020821492	2916.05465271878	2864.1187017288808	2863.928521	51.9359548899714	52.1261357173509
549	66	48649	-9261.141327	835297.3170250766	39.16891806908925	-100.8320966	341527.9633496	4337120.5	3037.970345490925	2914.5017535483918	2864.369439649677	50.9370297019136785	50.5382432866087	50.5382432866087
550	66	48650	-8601.141327	835297.3170250766	39.16891921703155	-100.8297697	341928.9673814887	4337116.509	3036.80171769925	2913.799661296472	2864.673254366684	50.9370297019136785	50.5382432866087	50.5382432866087
551	66	48651	-7941.141327	835297.3170250766	39.168919760584304	-100.8274427	342130.0067819427	4337112.517240284	3034.6514921539915	2912.817237100244	2864.455492136805	50.9370297019136785	50.5382432866087	50.5382432866087
552	66	48652	-7281.141327	835297.3170250766	39.16892028911736	-100.8251157	342331.0460239375	4337108.52603303	3031.817101811892	2911.469456683138	2863.7532971407675	47.76116954	47.76915065872234	47.76915065872234
553	66	48653	-6621.141327	835297.3170250766	39.16892077292395	-100.8227887	342535.0851123807	4337105.53506011	3029.019282909818	2910.332244748884	2862.4904724192897	46.87177233	47.9444840406451	47.9444840406451
554	66	48654	-5961.141327	835297.3170250766	39.1689212	-100.8204618	342723.1240473464	4337105.54142962	3026.1221422739837	2909.20331738307	2860.196140390730	45.007173736247	45.022451621121264	45.022451621121264
555	66	48655	-5301.141327	835297.3170250766	39.16892158421348	-100.8181348	342934.162891268	4337096.53460098	3025.06836481272	2908.08496104428	2857.039418569015	45.046024752526	51.03623782669046	51.03623782669046
556	66	48656	-4641.141327	835297.3170250766	39.16892192577389	-100.8158078	343135.2014580116	4337092.56292005	3019.525844115521	2906.9791155275325	2853.18165218017	50.9350563094370	53.9863042666087	53.9863042666087
557	66	48657	-3981.141327	835297.3170250766	39.16892221634455	-100.8134808	343364.2393940775	4337088.57816877	3015.904761829304	2905.88740969661	2848.0706354175	29.871710821701	51.7030089795309	51.7030089795309
558	66	48658	-3321.141327	835297.3170250766	39.16892248499443	-100.8111538	343537.2752756883	4337084.562460104	3012.4359652030583	2904.8190683357492	2846.0251088259407	28.444359246107	50.765795124757	50.765795124757
559	66	48659	-2661.141327	835297.3170250766	39.1689230609646	-100.8088936	343789.526989432	4337078.738841756	3009.746898215816	2903.746898215816	2844.50262843417	51.877478893935	51.877478893935	51.877478893935
560	66	48660	-2001.141327	835297.3170250766	39.16892322744796	-100.8054989	343939.5344755736	4337076.60267196	2998.55353835214	2902.700110580505	2834.78176641014	28.343490561404	51.7567445751965	51.7567445751965
561	66	48661	-1341.141327	835297.3170250766	39.16892324125462	-100.8041729	344140.392146601	4337072.613032843	2991.665317419494197	2901.665317419494197	2830.5092388919215	28.3040810280884	51.7567445751965	51.7567445751965
562	66	48662	-681.1413269	835297.3170250766	39.16892301	-100.8018459	344341.430029908	4337068.62352711	2984.76432001598	2900.642432669305	2826.6589823794357	73.9834412384941	73.9573031218997	73.9573031218997
563	66	48663	-21.14132693	835297.3170250766	39.16892304202764	-100.7995189	344542.467593691	4337064.63282826	2979.4285671058	2899.628875749988	2823.5810959062073	67.97916887914	70.094346305748	70.094346305748
564	66	48664	638.85677303514	835297.3170250766	39.16892301299401	-100.797192	344743.50509596326	4337060.654178082	2976.166052009495	2898.622503042215	2821.558221183347	2821.3796572589047	77.0042811887577	77.24248574593912
565	66	48665	1298.85677303514	835297.3170250766	39.16892304701362	-100.794865	344844.5269718018	4337056.655242567	2973.2057374710806	2897.322652215816	2821.05269843417	76.57029674258047	76.57029674258047	76.57029674258047
566	66	48666	1958.85677303514	835297.3170250766	39.1689230609646	-100.792535	345072.967187137	4337052.469478137	2970.462148217598	2896.42168217598	2820.43596107634	73.9573031218997	73.9573031218997	73.9573031218997
567	66	48667	2618.85677303514	835297.3170250766	39.16892286021256	-100.790211	345346.6163	4337048.679	2966.907368584734	2895.642364137254	2827.3884400738903	72.0042811887577	72.0042811887577	72.0042811887577
568	66	48668	3278.85677303514	835297.3170250766	39.16892247939193	-100.787884	345547.5531460292	4337044.69048117	2964.689434637564	2893.308123	2831.72158814457	63.3508117777631	62.93734613192061	62.93734613192061
569	66	48669	3938.85677303514	835297.3170250766	39.1689223362449	-100.7855571	345748.688042788	4337040.702	2962.4952673214073	2893.678594	2834.4769787426794	63.3508117777631	62.93734613192061	62.93734613192061
570	66	48670	4598.8567730351	835297.3170250766	39.168921942910366	-100.783201	345949.7263133114	4337036.714185144	2960.28962402739	2892.7003557777994	2835.7041152662357	59.9620451154569	58.96713180078474	58.96713180078474
571	66	48671	5258.8567730351	835297.3170250766	39.168921602749445	-100.780931	346150.76287188136	4337032.76295391	2957.2017447339828	2891.732327374545	2836.7259886881725	59.9620451154569	58.96713180078474	58.96713180078474
572	66	48672	5918.8567730351	835297.3170250766	39.168921266417	-100.7785761	346351.788909432	4337028.738841756	2954.2148217598	2890.746898215816	2834.50262843417	51.877478893935	51.877478893935	51.877478893935
573	66	48673	6578.8567730351	835297.3170250766	39.1689208108734	-100.776291	346582.8304904404	4337024.51045057	2949.261212	2889.7696201875824	2824.04300670256	47.76915065872234	55.5954529	55.5954529
574	66	48674	7238.85677303514	835297.3170250766	39.1689203505619	-100.7739222	346763.8708505596	4337020.76382882	2945.290355176814	2888.79142917842	2846.4606493775425	42.33082430363414	67.999474950309	67.999474950309
575	66	48675	7898.8567730351	835297.3170250766	39.1689195113825	-100.7715952	346954.9066116241	4337016.76438966	2943.735506915874	2887.81346329659	2839.482962328857	42.33082430363414	67.999474950309	67.999474950309
576	66	48676	8558.8567730351	835297.3170250766	39.16891925474359	-100.7692862	347155.9422377874	4337012.78944594	2943.514926912916	2886.828548566874	2856.0409729422296	30.786115914759	50.52688434792162	50.52688434792162
577	66	48677	9218.8567730351	835297.3170250766	39.1689186490217	-100.7669412	347356.9788278781	4337008.08293698	2943.654309999838	2885.842302	2857.900948774465	28.79413572175093	53.3694633109938	53.3694633109938
578	66	48678	9878.8567730351	835297.3170250766	39.1689179991339	-100.764613	347558.013002294	4337004.815974406	2943.75769697050	2884.816585952015	2854.812729636909	50.932030640071	67.999474950309	67.999474950309
579	66	48679	10538.8567730351	835297.3170250766	39.1689173308748	-100.762369	347769.0426917415	4337000.7330399481	2942.869171308	2883.789111658321	2853.789111658321	51.877478893935	51.877478893935	51.877478893935
580	66	48680	11198.8567730351	835297.3170250766	39.1689165639743	-100.760043	347960.0831878484	4336996.843	2945.36930738201	2882.852452051	2841.24500543844	28.30639958282623	51.7567445751965	51.7567445751965
581	66	48681	11858.8567730351	835297.3170250766										

ix	iy	kx	ky	X.Fr	Y.Fr	Latitude	Longitude	UTM-X	UTM-Y	SurElev.Fr	W.Lt.	BRLEvBothKg.Fr	BRLEvBothKg.Fr	SurElevBoth.Fr	LatSuthBoth.Fr
663	66	48763	66385.8586730335	835297.3170250766	39.168689444572385	-100.5668215	664465.4939610233	3346666.586624502	281.1694848323614	273.50789848472673	2705.928293767598	2713.6412026819194	34.65980108	26.94696216534794	
664	66	48764	66385.8586730335	835297.3170250766	39.16868952887746	-100.5644945	664846.5127716572	3346662.61441335	281.194560594582	2739.427685254234	2699.248912912314	2709.016107	40.17895534605655	30.411760810713976	
665	66	48765	66385.8586730335	835297.3170250766	39.16868963629244	-100.562176	665047.5409700043	3346658.643432001	281.220943891632	2738.262762514186	2698.289493049192	2713.611698	45.8533176022743	33.9516320407865	
666	66	48766	66385.8586730335	835297.3170250766	39.16868976	-100.5594006	665248.5630166793	3346653.672094486	281.149660122564	2737.092032828626	2687.614953673272	2702.23040055513	49.7704715539877	34.85171263115054	
667	66	48767	66385.8586730335	835297.3170250766	39.16868912114814	-100.55575136	665449.5864210546	3346660.701	2808.903964549723	2735.915106247992	2683.603378579555	2701.520413068915	52.3117276703636	34.39469173907697	
668	66	48768	66385.8586730335	835297.3170250766	39.1686891663467	-100.5551867	665650.6092103676	3346673.3	2809.942771460426	2734.7313982873	2681.374101998146	2702.6217036483744	55.282170364538	31.87036140181387	
669	66	48769	66385.8586730335	835297.3170250766	39.1686897620825	-100.5528597	665851.6318989117	3346642.791327755	2809.981375217755	2733.5404227878607	2680.96893839438	2705.51448467758	57.52183344822694	28.0295382009552	
670	66	48770	66385.8586730335	835297.3170250766	39.16868980835534	-100.5505327	666052.6549395608	3346638.78492454	2809.1021378524804	2732.343804475234	2682.7713005562377	2709.0413468595785	49.5753496728572	23.30249181094849	
671	66	48771	66385.8586730335	835297.3170250766	39.1686916005165	-100.5469506	666253.6769999105	3346634.81828987	2809.591488972684	2731.141612	2686.3448975677506	2712.578468696953	49.5753496728572	23.30249181094849	
672	66	48772	66385.8586730335	835297.3170250766	39.16869165251265	-100.545678	666454.6907079414	3346630.84773129	2808.433949818627	2729.933373077026	2681.548695474349	2714.557714481689	50.00025102897325	11.07812786914019	
673	66	48773	66385.8586730335	835297.3170250766	39.168691265037305	-100.5435518	666655.721329128	3346626.87611236	2807.93388191178	2728.712386070292	2688.271213504132	2717.63310197389	30.00025102897325	11.07812786914019	
674	66	48774	66385.8586730335	835297.3170250766	39.1686842998756	-100.5412249	666856.7432360085	3346622.90766685	2806.2928276196735	2727.492190051208	2701.71283277298	2722.228761455235	20.73906773999597	5.26348390584603	
675	66	48775	66385.8586730335	835297.3170250766	39.1686841289775536	-100.5388979	667057.762106035	3346618.93739385	2804.682914943043	2726.257151262448	2718.521795727553	2718.527693828247	7.735355534895916	0	
676	66	48776	66385.8586730335	835297.3170250766	39.16868324725305	-100.536571	667258.786666961	3346614.98297542	2802.533648648704	2725.011504748496	2732.661210939305	2738.84287503227	0	0	
677	66	48777	66385.8586730335	835297.3170250766	39.16868313472884	-100.534244	667459.8085454477	3346610.99837467	2800.38438194837	2724.5876026218	2747.20537326595	2747.20537326595	34.65980108	0	
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682	66	48782	66385.8586730335	835297.3170250766	39.168610486053576	-100.5229602	668464.9148174678	3346591.15436835	2794.798510276007	2717.725176225093	2691.007644333614	2691.2659178789546	26.2744178914769	26.20942634354575	
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700	66	48800	66385.8586730335	835297.3170250766	39.16850142967814	-100.480724	672083.2711311455	3346519.570406832	2761.678216040852	2691.678216040852	2635.813400337935	2635.7914950746074	55.8648106981675	55.95827130343465	
701	66	48801	66385.8586730335	835297.3170250766	39.168495259976086	-100.478397	672284.2897241564	3346515.78478934	2761.664276236046	2690.22398324003	2637.3815460746995	2637.19316724250373	53.0316238032347	53.0316238032347	
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705	66	48805	66385.8586730335	835297.3170250766	39.16846951068797	-100.469138	673088.3684969033	3346500.16869033	2760.3684969033	2684.5684969033	2635.37881189268	2635.37881189268	47.98457391189268	47.98457391189268	
706	66	48806	66385.8586730335	835297.3170250766	39.16846336	-100.4667623	673289.3308399854	3346495.961104758	2760.633470151328	2683.0244237366453	2634.039675545834	2633.4			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothsKrg.f	SatHtLogs.f	SatHtBoths.f
47	67	48889	-332621.1413	835957.3170250766	39.16479787385285	-101.9955512	211188.6591577012	339339.625	3923.672587270478	375.516037582839	3747.3139751567655	3737.150291	48.202624267041	58.365746481895944
50	67	48890	-336601.1413	835957.3170250766	39.16482075412369	-101.9932245	211389.8011654202	339335.54451057	3921.217293261757	3794.278765	3746.372428361115	3741.22044224701095	47.951521895846	53.05832455363047
51	67	48891	-332841.1413	835957.3170250766	39.16484375	-101.990878	211590.9429186249	339331.454508991	3919.202014679638	3793.046934679638	3745.8442014679638	3743.8442014679638	47.7211975786287	47.2018921
52	67	48892	-332781.1413	835957.3170250766	39.1648677985512	-101.9885712	211792.0841564578	339337.34465711	3914.64115281655	3791.87127256601	3744.120577863306	3744.694350062487	47.6967439320492	42.873372503532405
53	67	48893	-336621.1413	835957.3170250766	39.16488923715625	-101.9862445	211993.225666719	339333.305002124	3911.07998964621	3790.591621	3742.700638499746	3753.7611385742265	47.890828883232	36.830481484835
54	67	48894	-335961.1413	835957.3170250766	39.1649126583925	-101.9839179	212194.3666419028	339319.225515491	3907.51827447271	3789.36003071514	3740.997083501403	3753.1226814136375	48.370919570111255	36.2453246587661
55	67	48895	-335301.1413	835957.3170250766	39.16493580142594	-101.9819512	212395.5073715459	339315.16208354	3902.278758309917	3788.5207864804	3738.87313696871	3745.48207865823	49.7230670793302	36.6651390820071
56	67	48896	-334641.1413	835957.3170250766	39.1649582920771	-101.979245	212596.6478458077	339311.10708341	3896.359575262247	3786.922011023447	3736.191621516796	3754.000557203325	49.307389507550626	32.921432821027174
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58	67	48898	-333321.1413	835957.3170250766	39.1650077765411	-101.9746112	212998.920200274	339302.90380712	3881.52183075991	3784.464114484513	3729.696552426767	3747.376870357095	54.773761205393	37.08754609133537
59	67	48899	-332661.1413	835957.3170250766	39.16502645402835	-101.9722845	213200.673807682	339308.368706282	3876.118349715887	3783.22385162552	3726.788997	3729.3817064532997	53.84218670230269	48.0393302703269
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61	67	48901	-331341.1413	835957.3170250766	39.1650717126867	-101.9676312	213602.34671205575	339288.3421509145	3868.342347509115	3780.706210906448	3690.97528889903	3703.036574	79.3082065054567	67.3730737058884
62	67	48902	-330681.1413	835957.3170250766	39.16509421229578	-101.9653045	213803.4853982848	339282.5960789	3864.454349274776	3779.43606295104	3685.019395107781	3709.43606295104	84.40422115132222	69.7279786794968
63	67	48903	-330021.1413	835957.3170250766	39.16511671083565	-101.9629778	214004.62403215494	339286.518187737	3862.958519747535	3778.122512211484	3684.399602688536	3718.3167803116293	83.7230358261042	59.80573180962511
64	67	48904	-329361.1413	835957.3170250766	39.16513916	-101.9606511	214205.7624707408	339278.40489389	3863.854858918078	3776.802781119811	3686.685893127043	3725.85210192228	91.11718280710647	50.9465703
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67	67	48907	-327381.1413	835957.3170250766	39.16520624	-101.9536711	214809.176266098	339266.20486531	3864.325516426302	3772.74847736775	3690.6367169501636	3729.36278789592	97.21176042681	48.44044848098545
68	67	48908	-326721.1413	835957.3170250766	39.16522817474654	-101.9513444	215010.3136917607	339262.131482949	3863.785155589151	3771.373681370874	3691.1378919909653	3727.922567309447	80.2357617461213	43.444411433142704
69	67	48909	-326061.1413	835957.3170250766	39.1652507124009	-101.9490177	215211.45068471192	339258.054678038	3857.244754573521	3769.99147547384	3691.442179457384	3723.548923826277	84.442856164795645	46.442856164795645
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72	67	48912	-324081.1413	835957.3170250766	39.16531751101094	-101.9420376	215814.8690931822	339245.853235824	3845.6552182481414	3765.765213042264	3688.43849235489	3714.43849235489	77.34571416773375	51.35074456425074
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77	67	48917	-320781.1413	835957.3170250766	39.1654289521915	-101.930464	216820.26468211778	339225.44668161	3838.054161127384	3758.9436624931555	3678.184848787906	3703.23325456966	82.4215973826104	55.5805488483793
78	67	48918	-320121.1413	835957.3170250766	39.16544875245151	-101.9280775	217021.6741472376	339221.71471073	3830.99617266819	3757.192549702587	3746.1309571193	3702.922549702587	82.539531205393	57.187277119583
79	67	48919	-319461.1413	835957.3170250766	39.165470333318	-101.9257508	217222.8088396124	339217.296	3826.836982400141	3755.6875617501708	3674.25430473614	3697.0218946165	83.4031898	58.66732722809585
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89	67	48929	-312861.1413	835957.3170250766	39.1656858361877	-101.9024837	219234.1416693697	339176.05868898	3842.794081235408	3739.808081614661	3678.15859878148	3671.148102818516	81.2549156365128	68.6596879946649
90	67	48930	-312201.1413	835957.3170250766	39.1657071163695	-101.900157	219435.23766211	339172.483	3850.391907133575	3737.896303167868	3677.980323246806	3688.390005	82.99129794047753	69.064024708734
91	67	48931	-311541.1413	835957.3170250766	39.165729457748648	-101.8978869	219636.4081923657	339168.41587369	3848.9748874837	3736.7487487369	3676.04619273568	3703.23325456966	82.4215973826104	70.009722617108
92	67	48932	-310881.1413	835957.3170250766	39.16574954710695	-101.8955035	219842.6135764462	339164.3741468	3846.649444032644	3733.7611385742265	3676.561193726259	3671.5510943519	84.996924929593	70.1807382573615
93	67	48933	-310221.1413	835957.3170250766	39.16577069506087	-101.8931768	220038.3678371524	339160.26424713	3844.9519321369	3731.5387923634567	3680.152372	3660.17666571071	81.53864201685645	71.

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThtLog.s	SatThtBoth.ft		
175	67	49015	-25601.1413	8395957.3170250766	39.16735187888817	-101.7023814	266530.6002073655	4338826.925213303	3642.984528524596	3530.330021582454	3544.321637696954	3610.530211325202	0	0		
176	67	49016	-25441.1413	8395957.3170250766	39.1673931581523	-101.700546	266731.7151764126	4338822.67486757	3634.991822447608	3527.667768181481	3540.550547848898	3615.760224001065	0	0		
177	67	49017	-25479.1413	8395957.3170250766	39.16746996293667	-101.697123	266852.8236	4338818.809819127	3625.914269682218	3538.414093435826	3522.348691422296	3616	0	0		
178	67	49018	-25451.1413	8395957.3170250766	39.167404016844685	-101.695401	267133.934592353	4338741.75267432	3619.0064102936317	3522.3325094624265	3537.776014554027	3598.601362510014	0	0		
179	67	49019	-25346.1413	8395957.3170250766	39.16742129994704	-101.6930741	267330.044085741	4338810.695374641	3614.6676772029796	3519.6602631202796	3529.183388409205	3569.330660250697	0	0		
180	67	49020	-25280.1413	8395957.3170250766	39.16743851	-101.690743	267536.154481544	4338806.38359748	3613.982917096663	3516.98513597032	3525.679188074608	3569.323229869726	0	0		
181	67	49021	-25214.1413	8395957.3170250766	39.16745531326726	-101.6884205	267737.2646476176	4338802.581522753	3613.298166994347	3514.309066269447	3522.266204295007	3558.24667259737	0	0		
182	67	49022	-25148.1413	8395957.3170250766	39.16747279604006	-101.6860937	267938.37456813723	4338796.524963445	3612.613369690031	3511.6304968051495	3510.9116849907	3549.31147967817	0	0		
183	67	49023	-25082.1413	8395957.3170250766	39.16748996293667	-101.683768	268139.4942913116	4338794.468	3608.5063797566587	3508.9513968479303	3515.611520637307	3543.86712860315	0	0		
184	67	49024	-25016.1413	8395957.3170250766	39.16750741333366	-101.68144	268340.59376954415	4338790.412	3600.959106	3508.727090918245	3511.241523546718	3537.193217272294	0	0		
185	67	49025	-24950.1413	8395957.3170250766	39.16752405478534	-101.6791132	268491.7030184407	4338786.355635585	3593.417831431802	3503.593276	3508.327637562485	3537.1827682433	0	0		
186	67	49026	-24884.1413	8395957.3170250766	39.16754102	-101.6767863	268742.8102380504	4338782.300059693	3585.875652726933	3500.9186645842915	3504.2400769734904	3521.26503202133	0	0		
187	67	49027	-24818.1413	8395957.3170250766	39.167549596863745	-101.6744595	268943.9203604164	4338778.24423618	3576.01870222115	3498.283316251619	3501.99082364359	3515.762252392794	0	0		
188	67	49028	-24752.1413	8395957.3170250766	39.16757482549015	-101.6721327	269145.0239341579	4338774.1886426	3563.8442664457475	3495.571128893024	3497.87474179645	3505.366486242515	0	0		
189	67	49029	-24686.1413	8395957.3170250766	39.16759165917458	-101.6699858	269348.1372295583	4338770.13320179	3551.166936917473	3492.9006269182484	3494.166755633558	3499.34418536101	0	0		
190	67	49030	-24620.1413	8395957.3170250766	39.1676084791704	-101.667479	269547.2458370425	4338766.07799321	3539.49539478919	3490.23252360377	3490.269102140453	3494.549471630904	0	0		
191	67	49031	-24554.1413	8395957.3170250766	39.16762519171751	-101.6651129	269748.3571682176	4338762.023203487	3529.588421833004	3497.6672935691227	3498.184040142872	3490.431996263812	1.383253426250576	0	0	
192	67	49032	-24488.1413	8395957.3170250766	39.16764189057597	-101.6626253	269949.461369082	4338757.963045785	3521.948911599778	3484.9064567287787	3479.8549042767504	3484.90628986713	4.2774206576723376-4	0	0	
193	67	49033	-24422.1413	8395957.3170250766	39.167658544492355	-101.6604895	270150.5687940786	4338753.913320685	3514.306041416256	3482.2505308290483	3475.575699079189	3483.96339954526	6.67483175	1.30683633395753	0	0
194	67	49034	-24356.1413	8395957.3170250766	39.16767515346668	-101.6581716	270351.6759195687	4338749.458287065	3506.668991232734	3479.599651366668	3471.135173536042	3475.81966986684	8.644477822756648	3.799814967447674	0	0
195	67	49035	-24290.1413	8395957.3170250766	39.16769171498826	-101.6558448	270552.7826296555	4338745.80479858	3505.224127100671	3476.954541030379	3466.489253877197	3471.87396446211	10.46465165265282	5.080576568218021	0	0
196	67	49036	-24224.1413	8395957.3170250766	39.16770826588406	-101.6535179	270753.88970726347	4338741.70314309	3504.964009200687	3474.31501234936	3462.473178869179	3468.54208136615	11.887862398756321	7.73219928781145	0	0
197	67	49037	-24158.1413	8395957.3170250766	39.16772471972667	-101.6512914	270959.36054073098	4338737.27689553	3504.176069039485	3471.882119015174	3461.87432591543	3462.784175446897	12.83717650357532	8.707176504331903	0	0
198	67	49038	-24092.1413	8395957.3170250766	39.1677411394231	-101.6488643	271156.102166905	4338733.64280439	3519.4447125858628	3469.055617423265	3456.4145045071377	3458.913258458039	12.6111291612744	10.1423157	0	0
199	67	49039	-24026.1413	8395957.3170250766	39.16775752420569	-101.6465374	271357.208821921	4338729.558886839	3524.6032117159864	3466.435757910755	3454.4624429423588	3456.890549745052	13.9733018139625	9.545225635703224	0	0
200	67	49040	-23960.1413	8395957.3170250766	39.1677738362676	-101.6442106	271558.3140218282	4338725.33541099	3520.168705890356	3463.822529649554	3452.427939328555	3455.571148048085	11.394590326400248	8.310781050606907	0	0
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203	67	49043	-23762.1413	8395957.3170250766	39.167826184413	-101.63728	272161.63686758114	4338713.276896553	3513.0722589697983	3450.27772728468	3449.167772728468	3447.266204295007	11.08880176860526	8.59179147719783	0	0
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205	67	49045	-23630.1413	8395957.3170250766	39.1678588600499	-101.6325763	272563.8403392115	4338705.270782927	3510.2688720822206	3450.849123694440	3440.4955220351853	3442.004381	10.35301659525219	8.844743021207051	0	0
206	67	49046	-23564.1413	8395957.3170250766	39.16787485957176	-101.6302494	272764.944279757	4338701.21839004	3512.3608477995491	3448.269179524981	3438.21644442987	3438.21644442987	10.5515252028318	7.957900834863608	0	0
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208	67	49048	-23432.1413	8395957.3170250766	39.16790236017779	-101.6259597	273167.15313242143	4338693.11440247	3511.263091938427	3443.1164561417281	3434.3581059023238	3435.280611742801	9.78305273042715	7.853646457250197	0	0
209	67	49049	-23366.1413	8395957.3170250766	39.16791889501685	-101.6232589	273368.2964851484	4338689.60228143	3511.2476123722554	3440.54291444848	3432.834066877695	3434.5016212987165	9.708852378724259	6.626940145897222	0	0
210	67	49050	-23300.1413	8395957.3170250766	39.1679347491357	-101.62094	273569.36054073098	4338685.011	3510.221528062478	3437.87023275417	3431.7332325201	3432.784175446897	9.612226414387194	8.135630035034865	0	0
211	67	49051	-23234.1413	8395957.3170250766	39.1679506286705	-101.6181852	273770.463095467	4338680.95096812	3509.87919288937	3435.4074013085	3432.055996014485	3434.5261273753625	9.334474853173753625	3.344744853173753625	0	0
212	67	49052	-23168.1413	8395957.3170250766	39.16796642987894	-101.6162883	273971.5670547319	4338676.90770118	3510.487342561633	3432.8340809240226	3429.733511058673	3431.9239343280047	9.301569865345276	8.0054495960178575	0	0
213	67	49053	-23102.1413	8395957.3170250766	39.16798218484762	-101.6139614	274172.6697879917	4338672.56652892	3519.996069	3430.27769847993	3429.552087688041	3432.333283975397	9.1769800854382002	0	0	
214	67	49054	-23036.1413	8395957.3170250766	39.16799789507361	-101.6116346	274373.7726587313	4338668.805562427	3529.5047441946163	3429.5047441946163	3429.5047441946163	3429.5047441946163	9.1769800854382002	8.0054495960178575	0	0
215	67	49055	-22970.1413	8395957.3170250766	39.168013560256874	-101.6093077	274574.87851215843	4338664.754959911	3529.3346849283913	3425.1537835323716	3425.1537835323716	3425.1537835323716	9.1769800854382002	8.0054495960178575	0	0
216	67	49056	-22904.1413	8395957.3170250766	39.16802916049758	-101.6068088	274774.975405875	4338660.70444437	3527.527384483285	3422.599841347049	3426.4687790349634	3424.143430425823	9.1769800854382002	8.0054495960178575	0	0
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218	67	49058	-22772.1413	8395957.3170250766	39.168060286149945	-101.6023271	275178.1742432654	4338652.305700638	3526.714691825813	3421.681187188532	3424.51514448073	3426.4687790349634	9.1769800854382002	8.0054495960178575	0	0
219	67	49059	-22706.1413	8395957.3170250766	39.1680757156198	-101.6000003	275379.282335045	4338648.55346707	3505.416717149441	3414.954100203276	3421.2615449641326	3421.2615449641326	9.176980085			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	Topo799.f	SurfBoth.f
301	67	49141	-172941.1413	839597.3170250766	39.168919263226085	-101.4091941	18898.8773414439	4338317.050493937	3402.057985743168	321.5588295	3145.578575451351	3205.180691591903	70.27971991330924	10.67760375277266
302	67	49142	-172281.1413	839597.3170250766	39.16920437287856	-101.4068671	25208.9612153363	4338313.95993331	3406.035639972313	3215.903167324893	3147.368364826011	3226.38736214134	68.4439031	0
303	67	49143	-171621.1413	839597.3170250766	39.169258414258985	-101.4054802	29227.4109249616	4338308.97865543	3407.651105915727	3215.771841530313	3148.068925479864	3229.973181411982	67.9031160501682	0
304	67	49144	-170961.1413	839597.3170250766	39.16922776257641	-101.4022132	282472.1283610414	4338304.015493348	3406.922655291219	3215.760823889894	3147.361371649018	3226.0171996103	68.3947173981251	0
305	67	49145	-170301.1413	839597.3170250766	39.16922398280311	-101.3998863	226273.2126256217	4338300.910509692	3406.188140460812	3215.749720576307	3144.700349624055	3221.376008	67.94242335753	0
306	67	49146	-169641.1413	839597.3170250766	39.16921606804724	-101.3975594	292874.29468533664	4338296.453024236	3405.46535395342	3215.7494006069464	3140.4560044033824	3231.6940304976342	75.2939611356409	0
307	67	49147	-168981.1413	839597.3170250766	39.1692248842126	-101.3952324	293075.3775414687	4338292.841	3403.14217246584	3215.745609771361	3133.5929902791904	3227.1314927387943	82.1616914949801	0
308	67	49148	-168321.1413	839597.3170250766	39.16922797381268	-101.3929055	293276.4601939636	4338288.906618223	3403.291291014267	3215.746699707807	3124.3466013161033	3214.0533161787494	81.41809839170355	1.7113835240634216
309	67	49149	-167661.1413	839597.3170250766	39.169225414258985	-101.3906785	293477.62462778616	4338284.72	3398.361208781957	3215.726856588866	3112.7806534798567	3189.557312145428	80.99771510702286	42.6361844337684
310	67	49150	-167001.1413	839597.3170250766	39.16922697976008	-101.3882516	293378.62488920573	4338280.738524019	3397.41125849639	3215.740257994896	3099.192087494828	3160.552025248019	116.6022113146187	50.14212551471706
311	67	49151	-166341.1413	839597.3170250766	39.169308160316014	-101.3859246	293879.7063067623	4338276.704793927	3397.317908914306	3215.8115981400096	3084.495782019917	3148.7662281202925	31.31580612017242	67.0453071097816
312	67	49152	-165681.1413	839597.3170250766	39.169319465926755	-101.3835977	294080.78707106634	4338272.61173565	3383.50155087569	3215.82962	3071.6682783170418	3118.8750197842843	144.161314359884	70.694549264587
313	67	49153	-165021.1413	839597.3170250766	39.1693307265982254	-101.3812707	294281.87046094675	4338268.671375763	3379.48519275811	3215.84749664088	3067.745502734091	311.1876190127223	148.1019938707963	104.75858759211566
314	67	49154	-164361.1413	839597.3170250766	39.16934194231253	-101.3789438	294482.9518412173	4338264.40451797	3375.468347992637	3215.8644208823766	3076.47426380116	3137.35516579218	139.390157022606	78.5099430275488
315	67	49155	-163701.1413	839597.3170250766	39.16935311308754	-101.3766168	294684.0337731859	4338260.74447779	3372.8989671960405	3215.878730981365	3092.778639667864	3152.325968	123.10009701567674	63.553033389499
316	67	49156	-163041.1413	839597.3170250766	39.16936423991725	-101.3742899	294865.1411030551	4338256.33859857	3372.04390027941	3215.88890773338	3111.077548768253	3156.740524897333	104.8113188965633	59.1483788758054
317	67	49157	-162381.1413	839597.3170250766	39.16937319801063	-101.3719629	295066.1949310217	4338252.50584825	3371.0212858464	3215.893640400046	3128.131781	3160.4037789561683	116.987905001463	55.8896344887635
318	67	49158	-161721.1413	839597.3170250766	39.16936365374072	-101.369636	295287.2755731515	4338249.374314081	3370.1560356917435	3215.891308822992	3145.748741624582	3156.255624030083	70.1425671983797	50.6356478297815
319	67	49159	-161061.1413	839597.3170250766	39.1693746673445	-101.367309	295488.3559821154	4338244.40956613	3366.079422	3215.8789647214926	3157.1355672908257	3163.8110919886176	52.8847114306685	52.6859273287004
320	67	49160	-160401.1413	839597.3170250766	39.16940829	-101.3649821	295689.63420563677	4338240.48776012	3358.4037295963	3215.855035093273	3158.6346569335	3148.1611021256	57.280691390266	67.6430540720168
321	67	49161	-159741.1413	839597.3170250766	39.16941919388576	-101.3626551	295890.516228082	4338236.37727215	3351.661323281441	3215.8143835846113	3153.099135248732	3130.016148922954	70.5524833687996	85.79823466169991
322	67	49162	-159081.1413	839597.3170250766	39.1694300000000	-101.3603282	29601.59614995636	4338232.34445536	3348.5971241102974	3215.751118001585	3149.176655265194	3118.109610203773	74.1054077897071	97.6415077897071
323	67	49163	-158421.1413	839597.3170250766	39.169441255454	-101.3579729	296179.1491935275	4338227.13295347	3347.62713295347	3215.728892275852	3112.08892144878	3123.88909114878	75.78681	97.6415077897071
324	67	49164	-157761.1413	839597.3170250766	39.16945163	-101.3555743	296493.75509109127	4338224.28122144	3340.356877105714	3215.532263773719	3127.157722524826	3132.04558989457	83.3745072549298	86.45739332975178
325	67	49165	-157101.1413	839597.3170250766	39.16946235	-101.3533473	296684.8341121416	4338220.25955772	3340.026467271573	3215.36189256467	3116.624406765867	3124.9240324073696	98.7622124960007	81.02158758919503
326	67	49166	-156441.1413	839597.3170250766	39.169473030218984	-101.3510204	296895.9133313706	4338216.21940222	3340.3696655518356	3215.156503274574	3114.530721087164	3138.1098290319837	100.6029924020366	77.0418212954737
327	67	49167	-155781.1413	839597.3170250766	39.16948365664916	-101.3486934	297096.99215165374	4338212.18463487	3340.50696054934	3214.889820140478	3119.047262828246	3147.273813840453	106.9587195219336	67.62285875617716
328	67	49168	-155121.1413	839597.3170250766	39.16949424313385	-101.3463654	297298.07721231025	4338208.15769764	3348.43232845197	3214.6110177557027	3125.29813584634	3166.53826820834	89.3123817108996	49.05732335
329	67	49169	-154461.1413	839597.3170250766	39.16950478467291	-101.3440395	297499.1491935275	4338204.171204433	3354.3941973144865	3214.294139119851	3131.456212185952	3132.8987123368785	92.6361844337684	42.6361844337684
330	67	49170	-153801.1413	839597.3170250766	39.169515291264535	-101.3417123	297700.2274	4338200.69669097	3353.95276635015	3213.95527469826	3136.935982185076	3154.171785750959	77.0200947	59.78347539373604
331	67	49171	-153141.1413	839597.3170250766	39.1695253291955	-101.3393856	297901.3058343034	4338196.06458458	3366.352419458476	3213.6002653699156	3141.608535055365	3151.9170629100627	71.9938186437914	97.6830254858296
332	67	49172	-152481.1413	839597.3170250766	39.169531392186	-101.3370586	298102.363256845	4338190.03699772	3372.563451721394	3213.233983878407	3145.5295340432784	3087.522592782513	125.7110334496833	125.7110334496833
333	67	49173	-151821.1413	839597.3170250766	39.16954650137851	-101.3347316	298303.046088093	4338188.00651766	3378.7744847508036	3212.859034582143	3148.012890730137	3130.654291882495	146.849143680743	112.2047421571575
334	67	49174	-151161.1413	839597.3170250766	39.169556818189334	-101.3324407	298504.538151957	4338183.978161226	3384.98532784673	3212.472998757838	3150.618174083338	3147.38043997938	61.689125941264	65.4887588091275
335	67	49175	-150501.1413	839597.3170250766	39.16956709005486	-101.3300777	298705.76504409756	4338179.947284033	3389.727338462288	3212.9002368695827	3152.742154252243	3186.63096224947	59.3480761497674	25.45993103443152
336	67	49176	-149841.1413	839597.3170250766	39.16957716974504	-101.3277469	298906.926746931	4338175.91782291	3391.298912354565	3214.60834049655	3145.464545167683	3151.4516741921	62.1691238919705	7.214696748336187
337	67	49177	-149181.1413	839597.3170250766	39.169586748984458	-101.3254238	299107.7658090127	4338171.888757828	3394.02622892317	3213.408729020731	3161.295593361004	3150.496789000454	47.19160841213575	13.28361130728581
338	67	49178	-148521.1413	839597.3170250766	39.16959763597665	-101.3230968	299308.8441539675	4338167.96	3398.496005730002	3210.91529705698	3156.96464685543	3122.590074	53.94763208210543	0
339	67	49179	-147861.1413	839597.3170250766	39.1696072805911	-101.3207699	299509.9225817131	4338163.83037458	3398.87819250327	3210.5162608317585	3157.7839568687587	3210.505843282344	57.16182592352284	0.01066650324134896
340	67	49180	-147201.1413	839597.3170250766	39.16961778	-101.3184429	299710.988226452	4338159.02029623	3397.383692309388	3210.119027604005	3158.4494850096456	3207.820878314305	51.6699609043589	2.2981487496740505
341	67	49181	-146541.1413	839597.3170250766	39.1696277738672	-101.3161159	299912.0746695574	4338155.73824495	3394.889256	3209.78383144652	3158.951714022244	3206.9175810044272	2.7996889467712123	0
342	67	49182	-145881.1413	839597.3170250766	39.16963773453181	-101.313789	300113.1507137368	4338151.54553036	3392.394819672342	3209.5128637987	3151.313662112997	3203.49836167913	49.9898446269974	5.84391747007567
343	67	49183	-145221.1413	839597.3170250766	39.16964781539358	-101.311462	300274.1284393958	4338147.62963368	3391.47394114781424	3213.47394114781424	3151.47394114781424	3151.47394114781424	49.9898446269974	5.84391747007567
344	67	49184	-144561.1413	839597.3170250766	39.16965751428452	-101.309135	300515.30	4338143.69849207	3390.622622892317	3208.4872070231	3161.295593361004	3150.496789000454	47.19160841213575	13.28361130728581
345	67	49185	-143901.1413	839597.3170250766	39.16966733662029	-101.3068081	300716.3707767131	4338139.662	3381.60680819624	3208.066820168855	3161.3531103337978	313		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLog.f	SatHtBoth.f
543	49393	-6621.141327	839597.3170250766	-39.17073343	-100.8227893	442536.07901628944	4373075.715557395	3025.8232626957742	19.17031317071925	2864.6454904789766	2964.735453764622	45.5280692821584	45.433787312570486
544	49394	-5961.141327	839597.3170250766	-39.1707338611423	-100.8204623	442737.1177692663	4373071.72455861	3022.874357	19.0301805191239	2862.297387377132	2862.4421731515046	46.59486487615947	46.59486487615947
545	49395	-5311.141327	839597.3170250766	-39.1707344697576	-100.8181583	443628.1584	4373297.733710745	2977.802185385335	2893.0156729030429	2893.0156729030429	48.059811537623587	48.059811537623587	48.059811537623587
546	49396	-4641.141327	839597.3170250766	-39.17073458319546	-100.8180922	443139.19481589284	4373073.73049878	3016.904622793572	2906.777731297144	2854.963037310143	2855.155692373643	51.82473943	51.632080756071446
547	49397	-3981.141327	839597.3170250766	-39.17073487679656	-100.8134812	443430.2331099504	437289.725263069	3012.5575019016637	2895.68936831425	2850.598756720426	2850.8271196819135	50.9349016100259	54.86216713951171
548	49398	-3321.141327	839597.3170250766	-39.17073512544978	-100.8111541	443541.2721514424	437285.76235016	3005.02053930759	2904.6084801350903	2846.004001263444	2846.041174687908	58.56847771646485	58.7023673709595
549	49399	-2661.141327	839597.3170250766	-39.170735329155086	-100.8088271	443742.309024057873	437281.72111003	3003.564895651226	2903.5447838436403	2841.568125745397	2841.8986896848513	61.9766208924317	61.646505139788925
550	49400	-2011.141327	839597.3170250766	-39.17073548791251	-100.8065001	443943.3447775585	437277.72115997	2902.496678740301	2897.2534239309425	2837.2534239309425	2837.2534239309425	64.9415393938343	64.9415393938343
551	49401	-1341.141327	839597.3170250766	-39.17073560172263	-100.804173	444144.3847585813	437373.7329897515	2898.8146374859563	2893.2078589584663	2833.2078589584663	2833.2078589584663	67.81368991172761	67.81368991172761
552	49402	-611.1413269	839597.3170250766	-39.1707357053649	-100.801846	444345.42225657208	437299.802763542	2891.441159108117	2893.457874868777	2829.5449182776574	2829.5449182776574	70.73526753540542	70.73526753540542
553	49403	-281.14132693	839597.3170250766	-39.1707358449378	-100.7995189	444564.4566776159	437265.813322219	2890.4359712948917	2896.4501198608144	2825.744420153159	2825.744420153159	73.69155114173282	73.69155114173282
554	49404	638.85867303514	839597.3170250766	-39.17073567346322	-100.7971199	444747.49680021196	437261.82406799	2973.17738388975	2894.93394741106	2822.9517961925376	2822.92236401827	75.484172786527	75.484172786527
555	49405	1298.85867303514	839597.3170250766	-39.170735607481156	-100.7948649	444948.53089729675	437261.8347642675	2970.126643095825	2897.4419358809196	2820.8623623350435	2820.28115823034409	77.16020234606848	77.16020234606848
556	49406	1958.85867303514	839597.3170250766	-39.17073549655121	-100.7925378	445149.57091564406	437261.84062624	2967.075471970603	2896.45459342783	2824.745480801067	2824.745480801067	79.1799054131612	79.1799054131612
557	49407	2618.85867303514	839597.3170250766	-39.17073560733348	-100.7902708	445350.6076932861	437249.857325851	2895.448779924356	2896.493707971956	2828.659384888443	2828.707424453407	80.59952383518908	80.59952383518908
558	49408	3278.85867303514	839597.3170250766	-39.17073514	-100.787838	445551.644320374	437245.86873949	2962.303474316586	2894.48966093914	2833.847007973205	2834.431532205472	80.6571287944165	80.6571287944165
559	49409	3898.85867303514	839597.3170250766	-39.17073484907399	-100.7855567	445752.6807671805	437241.808379607	2960.138956197428	2893.5100731821904	2837.679292274138	2838.6451941456304	80.56378090850245	80.56378090850245
560	49410	4598.8586730351	839597.3170250766	-39.17073460352436	-100.7832297	445953.7171238519	437237.892164711	2957.974580787245	2892.532476843042	2837.110727244173	2838.094151669822	81.448493598669	81.448493598669
571	49411	5258.8586730351	839597.3170250766	-39.17073427	-100.7809026	446154.7533006304	437223.904127356	2955.244015917134	2891.5548493250953	2837.5302362181202	2837.5302362181202	81.448493598669	81.448493598669
572	49412	5918.8586730351	839597.3170250766	-39.17073576	-100.7785756	446355.78932770947	437229.91268437	2951.74820051407	2890.57624955897	2839.80706964819	2839.80706964819	81.448493598669	81.448493598669
573	49413	6738.8586730351	839597.3170250766	-39.17073461500475	-100.7762486	446565.82502529453	437225.92877141	2948.650581510997	2889.57898514473	2843.870767389914	2843.870767389914	81.448493598669	81.448493598669
574	49414	7238.8586730351	839597.3170250766	-39.1707259096737	-100.7739215	446757.8600353864	437221.341062429	2945.5379620739	2888.61258810527	2846.57947926963	2846.57947926963	83.031401765432	83.031401765432
575	49415	7698.8586730351	839597.3170250766	-39.170726827563	-100.7718323	446958.962969176	437217.832581281	2942.75234778335	2887.652477178358	2845.75234778335	2845.75234778335	84.017613004	84.017613004
576	49416	8258.8586730351	839597.3170250766	-39.17072651151749	-100.7692675	447159.9139	437196.562914	2945.65787955803	2886.63428162416	2844.849673403429	2845.7897462290473	84.017613004	84.017613004
577	49417	8818.8586730351	839597.3170250766	-39.170731309760725	-100.7669044	447360.9622747697	437209.98	2946.959515768025	2885.637114676446	2870.0431622901465	2870.0431622901465	85.017613004	85.017613004
578	49418	9378.8586730351	839597.3170250766	-39.1707306945609	-100.7646134	447562.0023579494	437205.9627031	2948.261115949732	2884.633249796017	2864.6405800522373	2864.6405800522373	86.017613004	86.017613004
579	49419	10038.8586730351	839597.3170250766	-39.170732640354	-100.7622864	447763.073428459	437202.060121802	2946.3612207809626	2884.812836286437	2860.812836286437	2860.812836286437	87.017613004	87.017613004
580	49420	11198.8586730351	839597.3170250766	-39.170729224031014	-100.7599593	447964.0721796815	437198.0196537	2950.56720965183	2882.598826746953	2845.38742961112	2845.38742961112	88.017613004	88.017613004
581	49421	11858.8586730351	839597.3170250766	-39.1707293886475	-100.7578323	448165.106898961	437194.9386229	2952.670784213095	2884.656985649897	2846.10747798132	2846.10747798132	89.017613004	89.017613004
582	49422	12518.8586730351	839597.3170250766	-39.1707350758904	-100.7553053	448363.141410167	437190.407	2954.0155206273	2883.6515206273	2845.6515206273	2845.6515206273	90.017613004	90.017613004
583	49423	13178.8586730351	839597.3170250766	-39.17072673	-100.7529782	448567.175803891	437186.061313645	2956.0020022208	2879.43700779586	2823.28286842736	2823.28286842736	91.017613004	91.017613004
584	49424	13838.8586730351	839597.3170250766	-39.1707258172257	-100.7506512	448784.21005053626	437182.07584546	2948.717843547128	2878.3407280595	2819.440800801218	2819.440800801218	92.017613004	92.017613004
585	49425	14498.8586730351	839597.3170250766	-39.170724848782754	-100.7483241	448969.24415013334	437178.08957808	2945.6456864720867	2877.9273264473207	2818.156577462679	2818.156577462679	93.017613004	93.017613004
586	49426	15158.8586730351	839597.3170250766	-39.170723889504	-100.7459971	449170.2781029373	437174.10452232	2945.35029397256	2875.989387812516	2801.722974207755	2801.722974207755	94.017613004	94.017613004
587	49427	15818.8586730351	839597.3170250766	-39.1707227405946	-100.7436701	449371.31190924523	437170.119301719	2937.985416987169	2871.93526266272	2797.358276989643	2797.358276989643	95.017613004	95.017613004
588	49428	16478.8586730351	839597.3170250766	-39.1707216847551	-100.741348	449572.34465691676	437166.13422284	2937.389161794958	2876.47163861537	2795.31638143143	2795.31638143143	96.017613004	96.017613004
589	49429	17138.8586730351	839597.3170250766	-39.17072054	-100.739071	449737.9731821413	437162.14931875	2937.77289957868	2874.94050567768	2793.174054653584	2793.174054653584	97.017613004	97.017613004
590	49430	17798.8586730351	839597.3170250766	-39.17071934986491	-100.736689	449974.4152496403	437158.164624189	2919.67322535362	2870.3922359362	2790.08611331062	2790.3922359362	98.017613004	98.017613004
591	49431	18458.8586730351	839597.3170250766	-39.1707181523783	-100.7343619	450175.4557125413	437154.180818695	2916.73310310086	2868.755884827966	2784.9423819519643	2784.9423819519643	99.017613004	99.017613004
592	49432	19118.8586730351	839597.3170250766	-39.170720349	-100.7320349	450376.4788429423	437150.195712314	2914.098012430465	2867.4070083142	2778.65898324258	2778.65898324258	100.017613004	100.017613004
593	49433	19778.8586730351	839597.3170250766	-39.17071551	-100.7297078	450577.51177793246	437146.215121029	2912.4158915804837	2865.238959125872	2772.1800378621974	2772.1800378621974	101.017613004	101.017613004
594	49434	20438.8586730351	839597.3170250766	-39.17071411659946	-100.727308	450778.544663698	437142.27506283	2912.73077803327	2863.479403852567	2768.346751406616	2768.346751406616	102.017613004	102.017613004
595	49435	21098.8586730351	839597.3170250766	-39.17071298751	-100.724913	450979.586991676	437138.295691281	2912.027378780327	2861.627378780327	2766.51077780327	2766.51077780327	103.017613004	103.017613004
596	49436	21758.8586730351	839597.3170250766	-39.17071127	-100.7227687	451180.609964644	437134.25990034	2908.22330610183	2859.78695891872	2763.174054653584	2763.174054653584	104.017613004	104.017613004
597	49437	22418.8586730351	839597.3170250766	-39.17070976370386	-100.7203997	451381.6420505309	437130.27465557	2907.1104103134758	2857.91604760648	2767.5133861942736	2767.5133861942736	105.017613004	105.017613004
598	49438	23078.8586730351	839597.3170250766	-39.170708214308334	-100.7180727	451582.6742527166	437126.293175691	2906.4974026279	2856.030759	2770.35			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogsKrg.ft	BREIEVBothKrg.ft	SatHtLogsKrg.ft	SatHtBothKrg.ft
679	49	4919	76538.85867307335	839597.3170250766	39.71043345	-100.5259834	76865.8225011425	4336804.223344737	2796.0900021697726	2720.84831	271.02699494264	2710.277276031244	82.81320596295664	10.5710304715695
680	49	4920	77198.85867307335	839597.3170250766	39.710428217735015	-100.5272564	368066.8435645478	4336800.254312527	2796.67734943234	2701.986871425501	2710.3300808969561	2715.56726484437783	18.22329121437815	
681	49	4921	77688.85867307335	839597.3170250766	39.70342295781965	-100.524894	36887.864065864	43367.963845861	2796.23482711666	2716.24438497158142	2693.982730774956	2694.2715389328964	24.78071746865275	
682	49	4922	78151.85867307335	839597.3170250766	39.71047161295715	-100.5220263	368468.885390418	43367.761719375	2796.40209015018	2716.918037632373	2687.303452492574	2686.710442990043	30.20143636423032	
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685	49	4925	80498.85867307335	839597.3170250766	39.71040136868605	-100.5156213	369071.94687472354	43367.80417163928	2793.795038154292	2712.849368154292	2671.5227995410314	2670.3879347925863	41.32656861326135	
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725	49	4965	106898.85867307335	839597.3170250766	39.71014612387495	-100.422541	377112.662757081	43366.218						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
65	68	49645	-328701.1413	836617.3170250766	39.1669740589932	-101.958352	244410.9845503703	4339475.641799848	3870.7993321496388	3747.009614844746	3683.4207184617685	3724.435336458739	50.8589638297735	49.5712836006725
66	68	49646	-328601.1413	836617.3170250766	39.16699456	-101.9560265	244512.12226397505	4339471.564210318	3871.616285792933	3747.543074019687	3716.812903540011	3686.5591608190985	56.8303038	
67	68	49647	-327281.1413	836617.3170250766	39.16715172257447	-101.9536997	244813.2591892591	4339487.492799315	3870.5853610618962	3747.26843148914	3687.4058423949737	3713.184970396858	58.0830731	
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69	68	49649	-326601.1413	836617.3170250766	39.16706326	-101.9490462	245215.5316446858	4339459.32514283	3864.80548548549064	3768.492854227786	3688.550897368064	3708.954755011731	79.9419669047225	59.5380962105532
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71	68	49651	-324741.1413	836617.3170250766	39.1671075288876	-101.9443927	245617.8072	4339451.178947212	3860.8462371434414	3765.68345	3687.2756374258593	3708.2885925663555	78.802712374084	57.394348324464
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77	68	49657	-320781.1413	836617.3170250766	39.16723946203185	-101.9304322	246824.6209415586	4339426.72261335	3846.405386513746	3757.072558126446	3676.1881263111186	3702.575897226618	80.8485858602652	54.4985858602652
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89	68	49669	-312861.1413	836617.3170250766	39.1674836705693	-101.902511	249238.2211081988	4339377.829002952	3823.340373944677	3738.295652	3675.4928474859234	3672.73974423692	62.80280415299649	65.5590620626027
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94	68	49674	-309561.1413	836617.3170250766	39.16760334200114	-101.8905771	250243.8773	4339357.4463280197	3837.457396146077	3732.395401	3675.913631899035	3660.987869841734	68.5921178207168	78.1292780056943
95	68	49675	-308901.1413	836617.3170250766	39.1676238209654	-101.8885504	250445.0077553114	4339353.319937328	3833.101406364933	3732.16512858332054	3674.001786424368	3669.185054402253	47.57611230067178	56.43123132095252
96	68	49676	-308241.1413	836617.3170250766	39.1676454647965	-101.8862236	250646.17399711817	4339349.318637259	3824.5733122766737	3723.1531322766737	3679.8071711867685	3677.8746787864679	47.57611230067178	56.43123132095252
97	68	49677	-307581.1413	836617.3170250766	39.16766737520967	-101.883968	250847.268	4339345.246719573	3815.965096973241	3720.589871397798	3680.44093086345	3685.0947937623046	40.14880452945374	53.49507764
98	68	49678	-306921.1413	836617.3170250766	39.1676882899992	-101.88157	251048.39773956296	4339341.175750084	3827.3983699278624	3717.33324147473	3681.071936825878	3683.247204	41.8615844580798	24.68623039632677
99	68	49679	-306261.1413	836617.3170250766	39.16770917785033	-101.8792432	251248.5227406743	4339337.104068014	3806.17075625494	3715.95678386123	3681.070897750167	3692.47448434319	33.2557961129578	27.71919195289893
100	68	49680	-305601.1413	836617.3170250766	39.1677201176985	-101.8769164	251450.56459591177	4339333.03	3812.201944148004	3714.292272382162	3681.070897750167	3692.47448434319	33.2557961129578	27.71919195289893
101	68	49681	-304941.1413	836617.3170250766	39.16775080071413	-101.8745897	251651.78550460003	4339327.61261516	3818.426870544651	3709.538448482527	3681.070897750167	3692.47448434319	33.2557961129578	27.71919195289893
102	68	49682	-304281.1413	836617.3170250766	39.16777154476196	-101.8726259	251852.9142674342	4339324.89062336	3824.551717405025	3706.645965625095	3679.64299133845	3686.85056256957	26.9696651825005	19.7955694
103	68	49683	-303621.1413	836617.3170250766	39.1677923248522	-101.8699361	252054.0427845818	4339320.910967398	3828.370579956082	3703.726085730895	3677.467784621721	3683.611012	26.9696651825005	19.7955694
104	68	49684	-302961.1413	836617.3170250766	39.1678128800299	-101.8676093	252255.1710561208	4339316.47861938	3829.881610324195	3700.802569057956	3674.3315515740096	3677.21776844457	26.9696651825005	19.7955694
105	68	49685	-302301.1413	836617.3170250766	39.167833307213366	-101.8652825	252456.29960283636	4339312.877681604	3831.393247947464	3679.878886320693	3674.3315515740096	3677.21776844457	26.9696651825005	19.7955694
106	68	49686	-301641.1413	836617.3170250766	39.167854071483596	-101.862957	252657.426863481	4339307.607231936	3833.964558557274	3694.5675682761	3668.33190702055	3661.58447906137	32.8274889	33.7431166263374
107	68	49687	-300981.1413	836617.3170250766	39.16787491367	-101.8606861	252858.450761981	4339303.7079895	3836.05464804016	3693.05464804016	3668.33190702055	3661.58447906137	32.8274889	33.7431166263374
108	68	49688	-300321.1413	836617.3170250766	39.1678950520341	-101.8583021	253059.6811981	4339300.467	3828.54190451675	3698.1815413987	3665.893635010562	3664.43308189036	32.8274889	33.7431166263374
109	68	49689	-299661.1413	836617.3170250766	39.16791548636006	-101.8559753	253260.8087381459	4339296.368684576	3825.1242616270973	3686.3328493071657	3660.5248371777725	3664.376393542488	33.8080212294318	39.9583

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatThkLog	SatThkBoth
191	68	49771	-245451.1413	386167.3170250766	39.1694473774329204	-101.6651736	269752.14126003143	4338963.271966834	3527.5984869535205	3487.9449651139116	3485.9396480080687	3492.736050169597	2.003234313	0
192	68	49772	-244881.1413	386167.3170250766	39.169444743611076	-101.6628467	269653.5217273646	4338959.216862173	3521.5770258214343	3485.304063375236	3481.962000170256	3487.723702712135	3.342063258210601	0
193	68	49773	-244221.1413	386167.3170250766	39.169471127849755	-101.6608198	270154.2147894975	4338958.16103518	3515.555554893183	3482.66338900806	3478.435554893183	3483.90121260008	6.823278130782747	0
194	68	49774	-243561.1413	386167.3170250766	39.16944673734521	-101.6581929	270535.73598039744	4338951.107166681	3509.534105357261	3480.038403239333	3472.419336764938	3481.712032376313	7.619012582505535	0
195	68	49775	-242901.1413	386167.3170250766	39.16950340179739	-101.655866	270556.842766408	4338947.05261617	3510.3834657440941	3477.414447900586	3472.1845512820082	3474.9678234433948	8.9692297	2.4466245466474415
196	68	49776	-242241.1413	386167.3170250766	39.16952082130628	-101.6535391	270757.94952390774	4338942.98022316	3518.1336512403873	3474.796808007406	3464.955044622692	3470.741034775354	10.154513545137332	4.055572333660741
197	68	49777	-241581.1413	386167.3170250766	39.169537295871834	-101.6512122	270959.0558583063	4338938.944	3525.8738367389348	3472.1849555485306	3461.662549302939	3467.1668618057047	10.52241164289762	5.018093740131917
198	68	49778	-240921.1413	386167.3170250766	39.16955372549406	-101.6488853	271160.16176553356	4338934.889972078	3533.614222392805	3469.58012436033	3459.078027845064	3464.5763035984638	10.5020696514596815	5.00379731839461
199	68	49779	-240261.1413	386167.3170250766	39.169570170172884	-101.6468584	271361.26754615194	4338930.36113307	3536.297346991123	3466.962110470853	3456.8015551000866	3461.688911	10.88065378019963	4.55819949746194
200	68	49780	-239601.1413	386167.3170250766	39.169586449093254	-101.6442215	271592.3733	4338925.78234349	3542.9228109593626	3464.90042292351	3454.6593500657503	3459.709256611346	9.734402228531186	4.55915514653494
201	68	49781	-238941.1413	386167.3170250766	39.1696027440025	-101.6419064	271763.74780302547	4338922.79829621	3545.55022749969012	3461.806244	3452.482067717328	3457.7276525856563	9.32417655882266	4.078591740653792
202	68	49782	-238281.1413	386167.3170250766	39.16961899	-101.6395777	271964.584036605	4338918.675062679	3550.176739903841	3459.2282336841577	3450.250310572849	3455.5390714808004	8.97792311130883	3.6891622033572276
203	68	49783	-237621.1413	386167.3170250766	39.169635199461766	-101.6372508	272165.68901208416	4338914.622545687	3550.3740857186854	3456.6565718211245	3448.0016826582832	3452.3591109711665	8.658489163	4.29740489958043
204	68	49784	-236961.1413	386167.3170250766	39.16965135942318	-101.6349239	272366.79376547004	4338910.56948622	3547.142315144135	3454.00115294717054	3445.9144973710054	3449.071238106038	9.17191386251	4.982877183436229
205	68	49785	-236301.1413	386167.3170250766	39.169665747	-101.632597	272567.8959420252	4338906.166945944	3543.910820247848	3451.528070247089	3444.118398946327	3446.766185433603	7.409683302	4.761883813
206	68	49786	-235641.1413	386167.3170250766	39.16968344511527	-101.63027	272769.0025970545	4338902.460402139	3540.677873995036	3448.90716064288	3441.955579803983	3444.433807570859	7.014128074899674	4.52590848742906
207	68	49787	-234981.1413	386167.3170250766	39.16969956964587	-101.6279431	272970.10675607	4338898.41646907	3543.9561682406967	3446.413756677086	3439.930418268453	3442.530991229664	6.475057399525676	3.882894843814255
208	68	49788	-234321.1413	386167.3170250766	39.169715549832816	-101.6256162	273171.21053275447	4338944.359389474	3542.72727846487	3443.8594725377843	3438.4909104137946	3440.6103573725533	3.586521700496995	3.248936362910386
209	68	49789	-233661.1413	386167.3170250766	39.16973148507607	-101.6228393	273372.3141604987	4338890.307	3548.529827722305	3441.307760486105	3437.3134929758103	3438.069648962026	3.94876510294776	2.238111524079175
210	68	49790	-233001.1413	386167.3170250766	39.16974737537559	-101.6209624	273573.31471751497	4338865.25408269	3550.3158469681226	3438.7582997435106	3436.4295362262315	3432.2626712149104	0.6526601759487994	
211	68	49791	-232341.1413	386167.3170250766	39.16977632073141	-101.6186355	273743.52075556875	4338862.20384489	3550.67062368246	3436.211984404458	3435.7350064148986	3437.2626760136454	0.4769780255555155	0
212	68	49792	-231681.1413	386167.3170250766	39.169792170114339	-101.6163086	273957.6237155383	4338878.152138571	3553.4971934268634	3433.6691297359734	3435.220665174303	3437.31054739684	0	
213	68	49793	-231021.1413	386167.3170250766	39.1698085599983	-101.6139716	274176.728457118	4338874.190734897	3558.2178347407878	3431.723737407878	3432.173737407878	3432.173737407878	0	
214	68	49794	-230361.1413	386167.3170250766	39.169814087135926	-101.6115647	274377.8289674126	4338870.05980317	3537.4356781115175	3428.5936704001915	3434.7695509063246	3432.430897337309	0	
215	68	49795	-229701.1413	386167.3170250766	39.16982615271642	-101.6093278	274578.9312589203	4338865.96897694	3538.33714829353	3426.0606783181727	3433.7482489944823	3438.49248694902	0	
216	68	49796	-229041.1413	386167.3170250766	39.16984177	-101.6070009	274780.033273519	4338861.948	3531.2182167485516	3423.5306755468246	3421.3076602478105	3439.0617313816984	0	
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218	68	49798	-227721.1413	386167.3170250766	39.1698728797934	-101.602347	275182.236798331	4338853.847	3516.980336549007	3418.479071300497	3426.742768166583	3440.5850189190547	0	
219	68	49799	-227061.1413	386167.3170250766	39.1698906559993	-101.6000621	275383.3392	4338849.798396782	3513.34779057029	3415.34779057029	3424.621738914445	3443.86878778833	0	
220	68	49800	-226401.1413	386167.3170250766	39.169903805495715	-101.5976932	275593.43983019076	4338845.7461739435	3510.220052619115	3413.432037704008	3422.005770047595	3444.455172807378	0	
221	68	49801	-225741.1413	386167.3170250766	39.16991920237634	-101.5953632	275785.5403410203	4338841.66228216	3523.052845348794	3410.901953386664	3420.6609125401937	3439.00249427398	0	
222	68	49802	-225081.1413	386167.3170250766	39.16993453348924	-101.5930393	275986.6147878925	4338837.64460589	3526.9056283356767	3408.385000565882	3418.756959960052	3434.312126827572	0	
223	68	49803	-224421.1413	386167.3170250766	39.1699485937737	-101.5907124	276187.741595416	4338833.596870746	3532.3495741474294	3405.860080891064	3417.0175095323166	3431.632301752541	0	
224	68	49804	-223761.1413	386167.3170250766	39.1699651046172	-101.5883855	276388.8418911034	4338829.547458689	3538.3846627840525	3403.32466203124	3415.35732744276	3430.25912903303	0	
225	68	49805	-223101.1413	386167.3170250766	39.16998033691874	-101.5860588	276589.841965581	4338825.49824403	3548.19791420677	3400.80737315528	3414.5391682470381	3426.791500278826	0	
226	68	49806	-222441.1413	386167.3170250766	39.169995779296	-101.583716	276791.0412948544	4338824.14916783	3552.277965401175	3401.20743300095	3412.755730145209	3423.755730145209	0	
227	68	49807	-221781.1413	386167.3170250766	39.17001064058496	-101.5814047	276992.1454585685	4338819.408028123	3555.5911437926557	3400.75443556779	3410.512543434459	3419.8701780113734	0	
228	68	49808	-221121.1413	386167.3170250766	39.1700251535708	-101.5790777	277193.2046855705	4338813.351588113	3552.82562265035	3393.208028197039	3409.06361122468	3415.70416899503	0	
229	68	49809	-220461.1413	386167.3170250766	39.1700405172032	-101.5767508	277394.3064056414	4338809.30304651	3550.0659014838166	3390.667744555386	3408.233187710145	3409.596325027256	0	
230	68	49810	-219801.1413	386167.3170250766	39.17005574313925	-101.5744239	277595.430037006	4338805.254719327	3547.303280327099	3388.1236165893097	3406.900412737796	3406.7505132694993	0	
231	68	49811	-219141.1413	386167.3170250766	39.17007086913816	-101.5720969	277796.6371897526	4338801.206551529	3543.078497385109	3385.5744780385109	3405.60949697342	3405.1170568727175	0	
232	68	49812	-218481.1413	386167.3170250766	39.17008595114405	-101.5697	277997.6352741495	4337971.158561456	3543.3336026576467	3383.019624894867	3404.095299236484	3405.196446	0	
233	68	49813	-217821.1413	386167.3170250766	39.170101684431117	-101.5673164	278200.14747296	4337963.34387874	3543.3336026576467	3383.019624894867	3404.095299236484	3405.196446	0	
234	68	49814	-217161.1413	386167.3170250766	39.1701152593713	-101.5651161	278399.8374145226	4337890.03	3526.0271332023	3377.80073752847	3401.654468161292	3405.648673773036	0	
235	68	49815	-216501.1413	386167.3170250766	39.17013002668286	-101.5627892	278600.390630424	4337875.015657499	3521.321291005116	3375.316384689354	3400.496403392104	3405.018229114453	0	
236	68	49816	-215841.1413	386167.3170250766	39.170144782709	-101.5604622	278802.028207525	4337863.88738244	3517.593891334174	3372.737099177456	3399.229642961524	3402.750524421264	0	
237	68	49817	-215181.1413	386167.3170250766	39.17015942628785	-101.5581353	279033.152728872	4337876.921276676	3513.866491683286	3370.1526369977673	3397.6319969	3401.106901249555	0	
238	68	49818	-214521.1413	386167.3170250766	39.170174056492264	-101.5558083	279204.22246895245	4						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
317	68	49897	-162281.1413	836617.3170250766	39.1718796479289	-101.3719771	295690.2322266456	4383453.72819411	3373.8675959792045	3127.2005940147683	3124.9812625583664	3177.665024333844	32.9193343110391	39.33556968078392
318	68	49898	-161721.1413	836617.3170250766	39.17198683011824	-101.3696501	295291.2136668829	4383449.654959712	3373.291545824042	3217.1888959515195	3178.771369723005	3177.773665241876	41.154172633053	39.33556968078392
319	68	49899	-161041.1413	836617.3170250766	39.17200967428427	-101.3673231	295492.3929942554	4383445.6629302503	3368.4985629858393	3217.1699229070386	3168.758654676792	3167.6389271538702	48.81922762295394	39.33556968078392
320	68	49900	-160401.1413	836617.3170250766	39.1722002061022	-101.3649691	295683.4790348985	4383435.630352025	3362.484837065935	3217.1406924554085	3152.82691523254	3155.74524523254	64.3130093117104	61.3954082
321	68	49901	-159741.1413	836617.3170250766	39.17232181986615	-101.3626691	295854.55678729706	4383437.5986231013	3356.47071826247	3217.096933084078	3150.350417009097	3136.475036070933	66.74651893317083	80.6216324131511
322	68	49902	-159081.1413	836617.3170250766	39.1724267842246	-101.3603421	296095.6324428373	4383433.6526955555	3348.67524590197	3217.0325680586176	3143.991489286264	3118.37722628072	73.04056587	98.65520980584838
323	68	49903	-158421.1413	836617.3170250766	39.1725338990758	-101.3580151	296296.7118617616	4383429.534	3344.568695744285	3216.9376422785	3143.6303237066643	3103.9203706052626	82.304043621088	113.0179041626156
324	68	49904	-157761.1413	836617.3170250766	39.1726456448424	-101.3556881	296497.7910381439	4383425.502775757	3328.802465426814	3212.092416447463	3117.0140607491	3107.1740609741	105.0950305319039	105.0950305319039
325	68	49905	-157101.1413	836617.3170250766	39.1727499737269	-101.3533611	296698.8701	4383421.47128119	3324.044597443659	3216.817739120856	3106.791891136348	3105.11502213865519	109.8888378458216	109.8888378458216
326	68	49906	-156441.1413	836617.3170250766	39.172855468796	-101.351024	296899.9489704595	4383417.4396406	3324.2842302748	3106.3809	3100.0536712296	3105.743597098424	107.3761791092412	107.3761791092412
327	68	49907	-155671.1413	836617.3170250766	39.172962638776	-101.348707	297101.027067537	4383413.408823741	3344.946326951384	3216.097133536574	3118.382228	3106.0291500616236	107.3761791092412	107.3761791092412
328	68	49908	-155121.1413	836617.3170250766	39.17306873140836	-101.34638	297302.1060431469	4383409.377860414	3351.03617979637	3215.7754704202657	3126.887704904617	3127.72253765487	88.8877651565206	42.05321664740044
329	68	49909	-154641.1413	836617.3170250766	39.17317414947275	-101.344053	297503.1842806484	4383405.347074087	3357.12603689371	3215.4253706341196	3134.0148904205814	3176.0860461178377	88.8877651565206	39.33556968078392
330	68	49910	-153801.1413	836617.3170250766	39.17322911806976	-101.341726	297704.2623186561	4383401.316446747	3363.215893998504	3215.045260650575	3139.859005516196	3139.859005516196	75.1956209548873	46.8230260053845
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358	68	49938	-135321.1413	836617.3170250766	39.1760357429061	-101.2765952	301334.36742900616	4383288.511271165	3344.83042508597	3202.723442044722	3154.408769521918	3164.8605292374674	48.7563782875475	37.8863218299945
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
443	68	50023	-72922.14133	386617.172050766	39.17222455087981	-101.0787695	320244.8428654709	3373946.995664269	3181.71622498475	3054.42522099133	3024.1139700554854	3024.1026952770697	31.13125059384751	41.3222525642638
444	68	50024	-76561.14133	386617.172050766	39.17222932750574	-101.076424	320625.50403405587	3373942.985180395	3185.411565	3054.425277258473	3024.160388614708	3024.479932124268	31.48804741437647	43.3690450400473
445	68	50025	-73941.14133	386617.172050766	39.1722525186325	-101.060159	320666.9142686653	3373945.947874904	3182.31769545045	3052.270051987487	3013.490340428232	3017.480240152876	43.78494716132076	44.78494716132076
446	68	50026	-72421.14133	386617.172050766	39.172240534510974	-101.076424	321028.0173443946	3373943.964740831	3183.011525	3060.697447511794	3012.808972263813	3014.011715421122	47.8885045136655	46.2575903509356
447	68	50027	-76561.14133	386617.172050766	39.1722457249105	-101.0694612	321229.073886551	3373930.354785245	3178.456748510787	3059.15077900442	3009.835481786384	3011.3087155533276	49.279961140577	47.8063623470635
448	68	50028	-75292.14133	386617.172050766	39.17225069552274	-101.0671341	321430.1296355104	3373926.450500555	3178.0487610411565	3057.5241807178775	3007.285867609284	3008.669079	50.2383194085927	48.5510843
449	68	50029	-75261.14133	386617.172050766	39.17225611360955	-101.064807	321631.1856458859	3373922.935402115	3177.640773151824	3055.91830635599	3005.291630921006	3006.2192313999575	50.6881947156296	49.6991274562945
450	68	50030	-74601.14133	386617.172050766	39.172261126140665	-101.06248	321832.2412634644	3373918.925978418	3177.2372861192847	3054.28605712827	3003.692278668114	3004.451491488905	49.8397962619158	49.8397962619158
451	68	50031	-73941.14133	386617.172050766	39.17226527462681	-101.060159	322033.267069822	3373919.974873604	3182.31769545045	3052.270051987487	3013.490340428232	3017.480240152876	49.8397962619158	49.8397962619158
452	68	50032	-73213.14133	386617.172050766	39.172271288154616	-101.055429	322234.3519754776	3373910.90747719	3178.368831062534	3050.947337657326	3002.124655101254	3002.4734306280204	47.72282525447824	47.72282525447824
453	68	50033	-72621.14133	386617.172050766	39.1722762545382	-101.0545897	322435.407031078	3373908.868748298	3178.9258520733436	3048.961625373436	3003.0619946798715	3003.59713128319	48.899630356643	45.364482511717
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455	68	50035	-71031.14133	386617.172050766	39.17228618818667	-101.0508446	322837.516738679	3373908.881477481	3175.263088145514	3044.6514343495514	3006.2905997785193	3007.0065997785193	37.74438564464374	37.74438564464374
456	68	50036	-70461.14133	386617.172050766	39.172290809	-101.0485175	323038.57131261996	3373894.873106067	3175.2514733986907	3042.2374031199497	3008.239476124325	3008.84796547216	33.9979266572366	33.9979266572366
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459	68	50039	-68661.14133	386617.172050766	39.17230512227213	-101.041593	323641.7340958615	3373882.849054712	3174.1198834060394	3034.5366662625	3004.811662674501	3001.45420681931	30.72039350204115	33.18894081094235
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461	68	50041	-67341.14133	386617.172050766	39.17231438462222	-101.0368821	324043.8416880049	3373874.83886621	3169.705995886027	3029.366693590487	2996.842573	2990.720580381316	32.452666816853	38.67361057217036
462	68	50042	-66681.14133	386617.172050766	39.172318948374404	-101.034555	324244.9952257485	3373870.62570909	3167.70485125367	3026.80764738858	2992.67588517622707	2986.413508338636	31.9485851161509	40.4574167528917
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465	68	50045	-64711.14133	386617.172050766	39.17232859945272	-101.0281313	324850.9486075289	3373858.7937164	3158.85024578179	3019.55245781588	2987.75892852889	2987.75892852889	40.5042556929235	40.5042556929235
466	68	50046	-64041.14133	386617.172050766	39.17232633836954	-101.025267	325049.107	3373854.799	3153.105051923373	3017.203480452454	2976.432919206753	2974.384901742054	40.7706412393882	42.8158787104029
467	68	50047	-63381.14133	386617.172050766	39.1723410920601	-101.0229196	325250.160381852	3373850.7929171	3151.65467976771	3014.899571336813	2971.9580970307677	2971.9580970307677	40.4024020593198	43.37037837
468	68	50048	-62721.14133	386617.172050766	39.1723453696644	-101.0205925	325451.212846952	3373846.786371644	3152.673014546376	3012.641901329195	2967.272623983243	2968.141548368203	45.368461494917	44.4996314991722
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472	68	50052	-60081.14133	386617.172050766	39.1723411721505	-101.0112842	326254.3519754776	3373830.7935859	3153.23331053958	3004.04444271588	2962.12313779511	2962.12313779511	58.037719317059	52.78472107058054
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476	68	50056	-57441.14133	386617.172050766	39.17237812129763	-101.0019759	327059.627666576	3373814.742621096	3146.201751876277	2996.1583152586417	2917.56560378928	2922.755578951006	71.56549714971363	71.56549714971363
477	68	50057	-56781.14133	386617.172050766	39.17232801	-100.999488	327260.677658589	3373810.73444474	3143.610924170021	2994.2642059885416	2917.1326217198058	2917.1326217198058	76.1812687689276	77.3138797903512
478	68	50058	-56121.14133	386617.172050766	39.17232859945272	-100.997127	327461.7285935807	3373806.73442461	3141.02551532305	2993.1955245781588	2912.1074225264	2912.1074225264	78.4948213532618	78.4948213532618
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480	68	50060	-54801.14133	386617.172050766	39.17233040964344	-100.992675	327863.826960377	3373798.724067306	3139.330165750535	2988.883451963526	2914.91850217455	2912.184072080497	79.3645717407137	77.699372683564
481	68	50061	-54141.14133	386617.172050766	39.17233914219674	-100.9903404	328064.6789595374	3373784.72092831	3137.3136757185804	2987.1690861195525	2917.384819746099	2917.384819746099	83.66195174885576	83.66195174885576
482	68	50062	-53481.14133	386617.172050766	39.1724007420028	-100.9880134	328265.9303234076	3373780.71194374	3136.9447614681258	2985.493236382407	2919.6217446227956	2919.6217446227956	85.68717902	85.68717902
483	68	50063	-52821.14133	386617.172050766	39.1724044040028	-100.9856863	328466.880100875	3373776.713571072	3135.885997516207	2981.777107	2917.33993375545	2917.33993375545	86.5617044072584	86.5617044072584
484	68	50064	-52161.14133	386617.172050766	39.17240797891116	-100.9833592	328668.029602336	3373772.71	3135.730700945355	2982.25750338126	2918.7653565267122	2918.7653565267122	88.5801717710036	88.5801717710036
485	68	50065	-51501.14133	386617.172050766	39.17241150843474	-100.981093	328869.173855807	3373768.78393565	3135.588197419024	2981.2581749024	2918.7653565267122	2918.7653565267122	91.108139183399	91.108139183399
486	68	50066	-50841.14133	386617.172050766	39.1724149382698	-100.978705	329070.129001855	3373763.7872585	3135.74526537819	2979.163690902926	2918.020176831915	2918.020176831915	93.168710711015	93.168710711015
487	68	50067	-50181.14133	386617.172050766	39.1724184386173	-100.9763779	329271.1783014026	3373770.3883599	3137.79646085364	2977.670013651219				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevKgr.f	BRiElevKgr.f	SatThkElev.f	SatThkBoth.f
568	50149	3938.858673033514	386617.3170250766	39.17254755554385	-100.7855564	345756.6179462719	4373403.058676936	2956.507143789285	2938.02342481203467	2836.023573736837	2840.7164150231497	31706708350982	52.61739379179305	
570	50150	4598.85867303351	386617.3170250766	39.172547254814945	-100.7832293	345957.7080912521	4373409.070314713	2957.1719988269544	2856.3662445196	2835.6621717105623	2844.0045818481994	317067260334348	47.94784396363017	
571	50151	5218.85867303351	386617.3170250766	39.172548593	-100.780922	346158.7448981664	4373415.626128897	2958.02038916716	2891.0276865313	2838.027107386909	2847.972786863473	317067389003281	43.39727236	
572	50152	5958.85867303351	386617.3170250766	39.17254845510034	-100.7785751	346359.779300505	4373431.004114832	2957.149247899722	2890.35254398047	2838.7650785362023	2843.623123305038	317067390330237	46.712120886963	
573	50153	6738.85867303351	386617.3170250766	39.17254612293402	-100.776248	346560.8152664474	4373427.106277694	2954.6857904123374	2889.4099943648857	2843.6624064893977	2844.3544645934497	31706745748808	45.06533987109105	
574	50154	7238.85867303351	386617.3170250766	39.1725456240899	-100.7739209	346761.8511622646	4373423.11	2952.24233604527	2888.402073	2850.2785148335356	2848.7324752506087	31706751980445	39.68779681431485	
575	50155	7898.85867303351	386617.3170250766	39.17254513693483	-100.7715938	346962.8866979916	4373419.131284818	2951.513893909171	2885.42058317511	2858.53023419836	2858.8617509237315	3170675894431	28.563073977927	
576	50156	8598.85867303351	386617.3170250766	39.1725457651182	-100.7692667	347125.8181806266	4373413.14813919	2952.51046037453	2886.42321542573	2868.57704129377	2867.653815	3170676451120049	18.769460873297117	
577	50157	9218.85867303351	386617.3170250766	39.17254597113972	-100.7668896	347354.95969178578	4373411.1569791785	2953.50208916716	2889.0208916716	2890.030281480255	2882.10168955647	31706769899114	54.0188375655527	
578	50158	9878.85867303351	386617.3170250766	39.17254320818555	-100.7646125	347565.9119877889	4373407.199711014	2954.3604223757	2894.304294418874	2895.253432051072	2894.859583156609	317067754327827	34.534318087534	
579	50159	10538.85867303351	386617.3170250766	39.17254258548374	-100.7625884	347767.0266716607	4373403.182928918	2955.1772915742056	2893.364054853255	2897.12848782646	2897.4038970315696	317067806179808	61.96015782168524	
580	50160	11198.85867303351	386617.3170250766	39.17254185329196	-100.7595983	347918.0613264743	4373399.1963715785	2955.528096123278	2892.320645925367	2847.44253123864	2812.425125649274	317067856128273	69.8955203604373	
581	50161	11858.85867303351	386617.3170250766	39.1725411001695	-100.7576312	348169.0988334407	4373395.209802909	2955.878004028378	2881.260671866371	2837.8874541861264	2812.425125649274	317067882045489	68.36938216045691	
582	50162	12518.85867303351	386617.3170250766	39.1725407004371	-100.7553041	348370.1319276137	4373391.22361799	2956.220781090569	2889.2207784028055	2812.38149	2810.095931216763264	317067960474	67.79660474	
583	50163	13178.85867303351	386617.3170250766	39.1725393497744	-100.7529771	348571.1640463895	4373387.237350653	2956.4804114	2879.073569459555	2812.42526456802	2810.142934362212	3170679645035	68.93062602	
584	50164	13838.85867303351	386617.3170250766	39.17253847498218	-100.75065	348772.19846920306	4373383.251618076	2957.061276367374	2877.834121027785	2812.976102707891	2806.804035105116	31706798013326	71.1308591760265	
585	50165	14498.85867303351	386617.3170250766	39.1725370999787	-100.7483229	348973.23238683024	4373379.26580512	2948.401399262404	2876.75212396351	2802.900866180725	2800.3027309053495	3170679882126264	76.4504248032169	
586	50166	15158.85867303351	386617.3170250766	39.1725360008453	-100.7459958	349174.266157676	4373375.283017856	2945.19053548514	2795.520050812056	2793.421060673133	2792.4724519345676	3170679882126264	83.04716592912461	
587	50167	15818.85867303351	386617.3170250766	39.1725354422221	-100.7436687	349375.2997818367	4373371.29493013	2943.701978211233	2874.2222091130047	2791.686132128645	2791.686132128645	3170679882126264	82.777026081191	
588	50168	16478.85867303351	386617.3170250766	39.17253434510022	-100.7413416	349573.333595123	4373367.309715263	2940.310926618633	2872.843933707766	2793.50956065078	2793.50956065078	3170679882126264	79.16426471448476	
589	50169	17138.85867303351	386617.3170250766	39.1725332006495	-100.7390145	349777.3669910404	4373363.34677284	2942.121852995178	2871.39083	2794.97335019758	2794.97335019758	3170679882126264	75.9577380975304	
590	50170	17798.85867303351	386617.3170250766	39.17253201504058	-100.736874	349978.7968755587	4373359.33984181	2940.531732050887	2869.487489749597	2795.1916471447355	2795.769123	3170679882126264	70.47966666040592	
591	50171	18398.85867303351	386617.3170250766	39.17253082440293	-100.734693	350179.8429162741	4373355.3512842	2941.6882569694854	2868.29836701752	2795.4152468901098	2795.4152468901098	3170679882126264	68.9898484	
592	50172	19118.85867303351	386617.3170250766	39.17252949657405	-100.7320332	350380.458410381	4373351.370612563	2941.621071661124	2865.54300728059	2796.75520690747	2797.4203170520805	3170679882126264	79.7886940321817	
593	50173	19778.85867303351	386617.3170250766	39.172528127118426	-100.7297601	350581.49855910434	4373347.38627041	2941.6512250556344	2864.8043316898	2798.346806807516	2798.346806807516	3170679882126264	80.4829213792151	
594	50174	20438.85867303351	386617.3170250766	39.172526801261	-100.727379	350782.5311626326	4373343.402110337	2941.9624824546563	2863.021864108683	2798.172333129653	2798.172333129653	3170679882126264	78.3955946823589	
595	50175	21098.85867303351	386617.3170250766	39.1725253815867	-100.7250519	350983.5632117326	4373339.418121479	2941.67478964514	2861.205678748246	2798.851768303204	2798.851768303204	3170679882126264	79.49330145040195	
596	50176	21758.85867303351	386617.3170250766	39.17252339	-100.7227248	351184.599349319	4373335.43407443	2941.8861574605106	2859.36348722514	2777.404342866032	2778.576477447723	3170679882126264	80.79357235	
597	50177	22418.85867303351	386617.3170250766	39.17252214240293	-100.7204877	351388.626411533	4373331.43066743	2941.8861574605106	2859.36348722514	2777.404342866032	2778.576477447723	3170679882126264	80.79357235	
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599	50179	23738.85867303351	386617.3170250766	39.17251928085126	-100.7157438	351787.6920095629	4373323.483918184	2940.785301699871	2857.333001097319	2768.196011360754	2768.502452008665	3170679882126264	82.522576509	
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602	50182	25718.85867303351	386617.3170250766	39.1725142240642	-100.7087623	352390.7867885205	4373311.53090424	2938.546253779676	2848.005410559915	2748.0584622282113	2746.547145599117	3170679882126264	99.464823843243	
603	50183	26378.85867303351	386617.3170250766	39.17251245	-100.7064382	352591.81894533	4373307.552033058	2938.792338642807	2846.08695620726	2751.6385570488915	2751.6385570488915	3170679882126264	95.46182	
604	50184	27038.85867303351	386617.3170250766	39.17251063549696	-100.7041081	352792.8459274018	4373303.56947781	2938.58178505614	2844.15272232212	2744.152468901098	2744.152468901098	3170679882126264	90.078767211412	
605	50185	27698.85867303351	386617.3170250766	39.17250877140284	-100.701781	352993.88027732813	4373299.578487524	2938.701249146984	2842.20120911482	2744.34320328027	2750.75985444911	3170679882126264	87.675788231168	
606	50186	28358.85867303351	386617.3170250766	39.17250686252769	-100.6994538	353194.9115415884	4373295.056780442	2875.160711788294	2840.283525781137	2753.2418139958118	2752.70102415135	3170679882126264	87.5824983	
607	50187	29018.85867303351	386617.3170250766	39.1725049886525	-100.6971268	353395.94318891774	4373291.624	2872.858795245423	2838.349383158434	2751.430264987704	2750.8585253956	3170679882126264	86.9136732807295	
608	50188	29678.85867303351	386617.3170250766	39.1725030989459	-100.6947997	353596.97284815083	4373287.642172056	2873.465274588705	2836.4027458705	2749.193791742444	2748.75884726862	3170679882126264	87.624323200443	
609	50189	30338.85867303351	386617.3170250766	39.17250126615461	-100.6924728	353798.00293171714	4373283.66029934	2874.072203798102	2834.495408029198	2748.5113285074	2748.5113285074	3170679882126264	86.9136732807295	
610	50190	30998.85867303351	386617.3170250766	39.17249977465894	-100.6901455	353999.0324007274	4373279.679262513	2874.678900509454	2832.516181242332	2744.330272953798	2744.330272953798	3170679882126264	86.9136732807295	
611	50191	31658.85867303351	386617.3170250766	39.1724979476884	-100.687869	354200.0629179781	4373275.69547804	2874.678900509454	2832.516181242332	2744.330272953798	2744.330272953798	3170679882126264	86.9136732807295	
612	50192	32318.85867303351	386617.3170250766	39.17249614	-100.6854914	354401.093416525	4373271.710517435	2874.678900509454	2832.516181242332	2744.330272953798	2744.330272953798	3170679882126264	86.9136732807295	
613	50193	32978.85867303351	386617.3170250766	39.17249422170524	-100.6831643	354602.123514517	4373267.736208376	2874.678900509454	2832.516181242332	2744.330272953798	2744.330272953798	317		

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIEVbothKrg.ft	BREIEVbothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
695	68	50275	79098.85867307335	386617.3170250766	39.17215699111043	-10.49234235	371086.112612366	4339641.900838331	2639.07562883281	2639.075977530707	2630.81730833963	67.0877088991525	67.24055831142277
696	68	50276	79178.85867307335	386617.3170250766	39.17215059683598	-10.4900163	371287.317481108334	4339637.302226254	2751.17700310333	2630.542523	2630.3953616738386	66.1773020426568	66.1773020426568
697	68	50277	79258.85867307335	386617.3170250766	39.17216489171275	-10.4878084	371489.1502294906	4339633.95094949	2695.241127708654	2634.544087175031	2630.1988917502454	64.54808132574859	64.54808132574859
698	68	50278	79338.85867307335	386617.3170250766	39.17213935441845	-10.4853263	371718.1698450827	4339630.02023706	2693.611554718425	2631.336430098263	2630.961723354478	62.7350918201161	62.7350918201161
699	68	50279	79378.85867307335	386617.3170250766	39.17213268432246	-10.4830353	371890.1872401493	4339626.06178679	2729.66264	2632.129887321346	2632.29219031797	58.8376971449379	60.20074856
700	68	50280	79398.85867307335	386617.3170250766	39.17212673025479	-10.4807082	372091.20571566134	4339622.070498559	2690.65018225042	2633.268546425949	2632.8714411467676	57.779041827447	57.779041827447
701	68	50281	79418.85867307335	386617.3170250766	39.17212055123889	-10.4783811	372292.2236655216	4339618.104992338	2769.1749937920793	2633.9808389013083	2633.751210145454	55.194548907117	55.54982777525106
702	68	50282	79438.85867307335	386617.3170250766	39.17211432727478	-10.4760541	372493.2421	4339614.14	2724.02743915873	2687.704389711943	2634.0829857153	52.941046059317	53.1521494221
703	68	50283	79458.85867307335	386617.3170250766	39.17210858782643	-10.4737327	372694.2600914635	4339608.174891592	2696.551118411633	2686.17330972716928	2634.1208702590544	51.38985352962675	52.12015174779214
704	68	50284	79478.85867307335	386617.3170250766	39.17210174450189	-10.471399	372895.2770773155	4339606.29516087	2694.7848002111737	2634.298756930116	2633.9321141543842	50.48050518157305	50.6615587329414
705	68	50285	79498.85867307335	386617.3170250766	39.1720953659315	-10.4690729	373096.2957359284	4339602.24706276	2711.623830667077	2683.336598023065	2633.61606821249	49.3376745428395	49.3376745428395
706	68	50286	79518.85867307335	386617.3170250766	39.172089193625	-10.4667458	373297.2313723849	4339608.21506441	2707.04092012737348	2681.8973423506927	2633.017936587048	48.8795953607656	49.177146951957
707	68	50287	79538.85867307335	386617.3170250766	39.1720825332114	-10.4644187	373498.3309	4339604.812600421	2706.222237674823	2680.467337674823	2632.4504142700366	48.0169234078621	48.5342698092578
708	68	50288	79558.85867307335	386617.3170250766	39.17207604	-10.4620917	373699.3482791317	4339603.35172326	2709.148487278815	2679.046956752743	2631.9214677138148	47.125480380956	48.04689090904145
709	68	50289	79578.85867307335	386617.3170250766	39.1720690597652	-10.4597468	373900.3565971632	4339602.37	2712.074736883306	2677.638238070425	2630.212098065044	47.22420274	47.42610187759254
710	68	50290	79598.85867307335	386617.3170250766	39.172061724209	-10.4574375	374101.382691889	4339602.4230362	2715.00986487913	2676.23271	2629.5745880891004	46.658131920693	46.964703182791
711	68	50291	79618.85867307335	386617.3170250766	39.1720538892036	-10.4551105	374302.3897221143	4339608.74998245	2715.802907090951	2674.835124461097	2628.53625528005	46.29886922303194	46.5510510431748
712	68	50292	79638.85867307335	386617.3170250766	39.1720461543632	-10.4527834	374503.6146231949	4339604.49598749	2714.4049869315	2673.4431896797287	2627.605893400982	45.73279627064675	46.0805490466295
713	68	50293	79658.85867307335	386617.3170250766	39.1720387708979	-10.4504563	374704.4334203139	4339607.532248635	2713.158092970432	2672.056050554601	2626.5564457509363	45.000505480366425	45.65115949174524
714	68	50294	79678.85867307335	386617.3170250766	39.17203613747866	-10.4481293	374905.4500587837	4339606.23226762	2711.835619010674	2670.6744883034	2625.564191987098	45.26256296562382	45.1135664329576
715	68	50295	79698.85867307335	386617.3170250766	39.17202932547586	-10.4459022	375106.4666300784	4339602.60	2708.473191080905	2669.29675735416	2624.759878575064	45.26256296562382	45.1135664329576
716	68	50296	79718.85867307335	386617.3170250766	39.17202247271638	-10.4434752	375307.48315551796	4339604.63258914	2705.07148642625	2667.922494789545	2625.174677698953	44.968831580478	44.74802970050521
717	68	50297	79738.85867307335	386617.3170250766	39.172015140543	-10.4410863	375508.45940025475	4339603.48306949	2702.133400723756	2665.85118411633	2624.759878575064	44.968831580478	44.74802970050521
718	68	50298	79758.85867307335	386617.3170250766	39.172008309614	-10.438821	375709.5156	4339605.77852594	2692.26544412984	2665.181948277036	2625.953938313376	44.968831580478	44.74802970050521
719	68	50299	79778.85867307335	386617.3170250766	39.17200164213974	-10.436494	375910.37104693	4339604.79650499	2691.51542472107	2663.814336448514	2623.114108210584	44.968831580478	44.74802970050521
720	68	50300	79798.85867307335	386617.3170250766	39.17199406978383	-10.4341696	376111.54756533476	4339604.79650499	2691.51542472107	2663.814336448514	2623.114108210584	44.968831580478	44.74802970050521
721	68	50301	79818.85867307335	386617.3170250766	39.17198713180555	-10.4318399	376312.56428916	4339603.83171046	2692.028608914793	2661.0812316577003	2621.0822630612206	44.968831580478	44.74802970050521
722	68	50302	79838.85867307335	386617.3170250766	39.1719804807954	-10.4295128	376513.5792	4339603.83171046	2692.028608914793	2661.0812316577003	2621.0822630612206	44.968831580478	44.74802970050521
723	68	50303	79858.85867307335	386617.3170250766	39.1719732410543	-10.4272187	376714.5947183846	4339603.83171046	2692.028608914793	2661.0812316577003	2621.0822630612206	44.968831580478	44.74802970050521
724	68	50304	79878.85867307335	386617.3170250766	39.171966128339	-10.4248693	376915.612045658	4339603.83171046	2692.028608914793	2661.0812316577003	2621.0822630612206	44.968831580478	44.74802970050521
725	68	50305	79898.85867307335	386617.3170250766	39.1719587704134	-10.4225316	377116.6256014736	4339602.95	2702.660796146845	2655.913298461516	2619.166923816553	44.968831580478	44.74802970050521
726	68	50306	79918.85867307335	386617.3170250766	39.1719514679549	-10.4202466	377318.6304509747	4339601.93283951	2701.6634535295807	2654.29525980757	2617.603336903748	44.968831580478	44.74802970050521
727	68	50307	79938.85867307335	386617.3170250766	39.17194410206968	-10.417875	377518.6559507276	4339601.93283951	2701.6634535295807	2654.29525980757	2617.603336903748	44.968831580478	44.74802970050521
728	68	50308	79958.85867307335	386617.3170250766	39.17193672741599	-10.4155505	377719.670485689	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
729	68	50309	79978.85867307335	386617.3170250766	39.1719289269458	-10.4132234	377920.658828301	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
730	68	50310	79998.85867307335	386617.3170250766	39.17192107144541	-10.410963	378121.700917125	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
731	68	50311	80018.85867307335	386617.3170250766	39.1719139214772	-10.408693	378322.7152374191	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
732	68	50312	80038.85867307335	386617.3170250766	39.171906748246	-10.406422	378523.729761589	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
733	68	50313	80058.85867307335	386617.3170250766	39.17189900912945	-10.4043152	378724.7441781325	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
734	68	50314	80078.85867307335	386617.3170250766	39.17189143	-10.4021581	378925.754735465	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
735	68	50315	80098.85867307335	386617.3170250766	39.17188372058012	-10.3999211	379126.772652019	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
736	68	50316	80118.85867307335	386617.3170250766	39.1718769332194	-10.397739	379327.7817505896	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
737	68	50317	80138.85867307335	386617.3170250766	39.17186911229618	-10.395547	379528.79612647	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
738	68	50318	80158.85867307335	386617.3170250766	39.1718613914772	-10.393379	379729.814493804	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
739	68	50319	80178.85867307335	386617.3170250766	39.1718534210811	-10.3911929	379930.829035774	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
740	68	50320	80198.85867307335	386617.3170250766	39.1718451012076	-10.389025	380131.8418097021	4339601.1023307	2700.404774728865	2651.545857818154	2615.9756842718524	44.968831580478	44.74802970050521
1	69	50321	-370941.1413	83727.7170250766	39.16726194009834	-10.1702939	321541.7280090754	4339938.2752500875	4023.6519620348524	3857.923166340386	3794.288565694058	63.6892494577718	63.6892494577718
2	69	50322	-370281.1413	83727.7170250766	39.1672817585986	-10.169872	3						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKsgm.ft	BRIElevBothK.ft	SatHtKsgm.ft	SatHtBoth.ft
81	69	50401	-318141.1413	83727.7170250766	39.16913901286614	-101.921153	24763.23951218385	4339611.696863452	3432.53669530686	39.5975381613462	3673.59745251968	3683.519623484218	39.18192939749379	66.0595816534015
82	69	50402	-317481.1413	83727.7170250766	39.16910656237687	-101.918262	24783.37404730463	433960.6211898462	3431.78505104728	37.48017544564806	3673.57687605173	3677.1864065452366	74.4986734963366	70.8911799021016
83	69	50403	-316821.1413	83727.7170250766	39.1691225466881	-101.916489	24805.5063203515	433953.547	3837.5881419170135	37.4651967338476	3673.5608132364755	3679.881323634755	72.9089156053473	76.6784933352786
84	69	50404	-316161.1413	83727.7170250766	39.16920308159544	-101.914125	24826.6339674473	433959.47428383	3831.198251057484	37.4520569924057	3673.55676304912	3672.265925944725	71.1633631790395	72.7579670192271
85	69	50405	-315501.1413	83727.7170250766	39.169225376709856	-101.9118457	24843.77125340454	433959.386041286	3824.7980090180833	37.4435682172938	3673.568837744078	3675.2648902251397	69.5167963853023	67.5287919479825
86	69	50406	-314841.1413	83727.7170250766	39.16924678031966	-101.9095189	24863.90469015238	433951.32378318	3818.3919710350644	37.44185116	3673.544075679134	3678.706112035644	67.740404122752	63.1454057407765
87	69	50407	-314181.1413	83727.7170250766	39.1692891988893	-101.907192	24880.40369778465	433957.249730333	3816.935212358113	37.40420541596273	3673.7582785211653	3681.354591284734	66.14671603750816	58.85046471530076
88	69	50408	-313521.1413	83727.7170250766	39.1692987717666	-101.9048562	24904.16901689758	433953.17580369	3820.51171566702	37.380550152223005	3673.316668359627	3687.354514009392	64.1894856833718	63.3521384313005
89	69	50409	-312861.1413	83727.7170250766	39.16931096150576	-101.9028584	24932.06097013652	433952.22983335	3823.588697253527	37.362744211005767	3673.271268156375	3678.85408694714	64.724819012891	64.7888232195947
90	69	50410	-312201.1413	83727.7170250766	39.1693219535321	-101.9002116	24944.43224905253	43395.7029	3827.362187932734	37.3441057311087	3673.181597308144	3669.875102435911	63.040661155471	66.0354329
91	69	50411	-311541.1413	83727.7170250766	39.1693342425999	-101.8978487	24964.56362478164	43395.705176425	3828.820382300044	37.321966708881	3673.106064835506	3665.933840881355	60.80067119330026	67.06281196072541
92	69	50412	-310881.1413	83727.7170250766	39.16937462	-101.8955579	24985.6468852336	433956.818891538	3831.446216653883	37.30494425091104	3672.714292117927	3662.674485997593	58.620593183333	68.3208939035107
93	69	50413	-310221.1413	83727.7170250766	39.16939576725128	-101.893231	25006.8254865206	433962.00998156	3833.010394777726	37.28009187090747	3672.727869319182	3661.70626353873	58.2623177156492	67.1935601298573
94	69	50414	-309561.1413	83727.7170250766	39.16941687133575	-101.8909402	25027.956369604	433958.76159371	3834.574571497157	37.26740858912931	3672.695020331716	3661.471738	54.0093568797925	65.2870211548076
95	69	50415	-308901.1413	83727.7170250766	39.16943979047936	-101.8885774	25049.0858969636	433954.68311476	3829.79527652799314	37.243395827299314	3672.6342927884412	3664.91233131137	51.365294491490204	59.486755948794325
96	69	50416	-308241.1413	83727.7170250766	39.1694589466207	-101.8862505	25069.21639570544	433950.59104261	3818.6762052418933	37.21977815133435	3673.901451210926	3671.385187222256	48.07322730241731	50.5971942968753
97	69	50417	-307581.1413	83727.7170250766	39.1694799134386	-101.8839237	25085.134620458022	433945.514652102	3807.556974319122	37.1919430285939	3673.9046964543372	3678.356236290482	43.532362831061566	41.08081296455711
98	69	50418	-306921.1413	83727.7170250766	39.169503826469	-101.8815996	251052.475766676	433942.878521351	3796.43572321952	37.1657829944694	3676.838573942588	3683.238632746406	39.9467152190732	38.5468671902579
99	69	50419	-306261.1413	83727.7170250766	39.16952171764451	-101.87927	251253.605082609	433938.374708644	3794.859289466327	37.140369984637177	3677.7086059805993	3687.7063927911486	36.32839248311848	26.3506672569163
100	69	50420	-305601.1413	83727.7170250766	39.16954255208327	-101.8769432	251454.73415147743	433935.302655091	3802.82668470554	37.112128771792477	3678.0659640444915	3688.856458294173	22.33593134893037	22.33593134893037
101	69	50421	-304941.1413	83727.7170250766	39.16956331580954	-101.8746163	251655.8629745014	433930.231380387	3810.790146467395	37.08323197153485	3678.300125596428	3688.1684593842194	30.032066493842194	20.163726234941255
102	69	50422	-304281.1413	83727.7170250766	39.1695640613763	-101.8722895	251856.995151688	433926.159844256	3816.7140746463253	37.051119252947124	3685.7371271656507	3677.3453771656507	28.6884518800176	19.533745336058057
103	69	50423	-303621.1413	83727.7170250766	39.1695740575284	-101.8700018	25208.1588378524	433922.988767501	3808.400492746956	3699.06717170256	3678.078305320903	3681.94575701925	26.317553392424	34.12738014284745
104	69	50424	-302961.1413	83727.7170250766	39.1695254402741	-101.8676358	252259.2478096154	433915.018	3825.09636196239	3699.5151033815	3672.44690553918	3675.871744001614	27.0681476439718	23.17928911510938
105	69	50425	-302301.1413	83727.7170250766	39.16956460516007	-101.8653089	252460.3780961524	433913.1347	3826.663957964054	3696.566332	3668.380850370333	3668.224604707227	28.8414811512736	21.4815112736
106	69	50426	-301641.1413	83727.7170250766	39.16956614951765	-101.8629821	25261.5034045493	433909.87189356	3826.2314777302829	3693.6304627461072	3663.61952971131	3660.688603225484	30.0103327	32.945952055887
107	69	50427	-300981.1413	83727.7170250766	39.169568713	-101.8606552	252862.6307547045	433905.80587597	3826.5119307740829	3690.714989646806	3658.202476936112	3654.7502175856871	25.9641992055434	25.9641992055434
108	69	50428	-300321.1413	83727.7170250766	39.16970760971109	-101.8583284	25303.75766128454	433901.75364438	3821.505318353562	3687.8260714678254	3652.48711150126523	3658.1684593842194	35.389645517305	35.161069797979
109	69	50429	-299661.1413	83727.7170250766	39.1697289879685	-101.8560461	253254.76225966	433898.497698677	3818.498765986767	3684.96498989676	3656.32881898962	3654.32881898962	37.841611878534515	37.841611878534515
110	69	50430	-299001.1413	83727.7170250766	39.169748357496	-101.8535746	253466.01142740484	433895.25509	3811.492059214831	3683.5445139264107	3659.972918945114	3643.8530774074037	37.17190451362625	38.2917905409905
111	69	50431	-298341.1413	83727.7170250766	39.169776874789524	-101.8513478	253667.1371253102	433895.255468495	3810.0659143051043	3679.358736876585	3653.2348582677846	3640.4387536202354	46.12387942	38.918901367423134
112	69	50432	-297681.1413	83727.7170250766	39.1697909993271	-101.8490209	253868.26384156424	433894.456	3812.220168280186	3676.12972344979	3626.255453525256	3643.514084391731	50.35743781972317	43.197888805417
113	69	50433	-297021.1413	83727.7170250766	39.16980931013432	-101.8466941	254069.3897269144	433894.3616065	3814.37442270933	3673.90992272604	3619.388660150	3623.232154	54.52606060156791	50.677768438164094
114	69	50434	-296361.1413	83727.7170250766	39.16982951539435	-101.8443762	254270.1536867876	433894.37181307	3816.52676253447	3671.25144868521	3612.762079689326	3629.0183816651534	42.2326172006448	42.2326172006448
115	69	50435	-295701.1413	83727.7170250766	39.1698469571278	-101.8420403	254471.6407673896	433894.24810759	3814.5394719789548	3668.637994565185	3607.158911910988	3623.768017022471	41.6799618204471	35.869118404471
116	69	50436	-295041.1413	83727.7170250766	39.1698670366754	-101.8396879	25467.7632222206	433894.179	3808.400492746956	3699.06717170256	3678.078305320903	3681.94575701925	43.532362831061566	41.08081296455711
117	69	50437	-294381.1413	83727.7170250766	39.16988886153475	-101.837866	254872.9359557023	433894.11008691	3802.27416913075	3678.5461761626563	3670.750592840083	3626.132170406363	42.71181789376014	37.4100122292043
118	69	50438	-293721.1413	83727.7170250766	39.16990980727806	-101.8350597	255075.0156055844	433894.01965527	3796.14148430158	3661.066550215727	3599.886269261694	3627.318282230162	41.61802811895746	33.746279944127
119	69	50439	-293061.1413	83727.7170250766	39.16992987	-101.8327329	255276.14003314514	433893.78098916	3789.306284935165	3668.6308681767027	3599.8732111656172	3630.074897471154	58.257747011085485	28.55897142895736
120	69	50440	-292401.1413	83727.7170250766	39.16994980318897	-101.830406	255477.2642145885	433893.905	3781.764869253131	3656.2387801166697	3600.63452726559	3631.584954896775	56.00423282	24.65382521084316
121	69	50441	-291741.1413	83727.7170250766	39.16996983585835	-101.8280791	255678.3861713034	433894.837	3774.238800127462	3653.89898170423	3600.243476282827	3631.064127701326	53.24612170244053	22.82538400290543
122	69	50442	-291081.1413	83727.7170250766	39.1699895958273	-101.8257522	255879.5116816292	433894.79661134	3766.69289773268	3648.381705842387	3602.5315074238	3627.959354311236	50.7585543899704	23.62235025111204
123	69	50443	-290421.1413	83727.7170250766	39.1700093366754	-101.823466	25609.638926042	433894.638926042	3764.14691121	3646.32881898962	3656.32881898962	3654.32881898962	43.532362831061566	41.08081296455711
124	69	50444	-289761.1413	83727.7170250766	39.1700290620797	-101.821095	256281.7585143716	433894.63040477	3762.042146913075	3647.061423304887	3600.970142420698	3620.7078501121	41.6125208789004	26.1153571028643
125	69	50445	-289101.1413	83727.7170250766	39.17004880710884	-101.8187716	256482.881584907	433894.567222065	3751.258746981364	3644.894913184565	3607.475556276393	3623.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
207	609	50527	-234981.1413	837277.3170250766	39.171512159911444	-101.6279637	727974.1644971352	4330909.657283805	3347.1277608449423	3443.5037584548722	3450.57895014645	3.624002390070018	
208	609	50528	-234321.1413	837277.3170250766	39.1715281450364	-101.6256367	73175.2681673895	4330905.604805351	3532.222364991327	3444.5959421871626	3442.293653399547	3.445.590401109826	2.30228842227881
209	609	50529	-233661.1413	837277.3170250766	39.17156297615101	-101.6233997	73376.716136387	4330901.524389107	3526.81096238573	3441.3784589807212	3441.1943339870127	3.688957211953222	
210	609	50530	-233001.1413	837277.3170250766	39.1715596685349	-101.6206268	73737.4774738064	4330907.500328239	3519.395681156175	3439.536832694573	3440.821603717414	3.64171628679466	
211	609	50531	-232341.1413	837277.3170250766	39.17157861261108	-101.6186558	73737.5778343993	4330903.448438343	3520.361405	3437.01739303145	3440.4523023774163	3.642.539793882175	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtBoth.ft	
339	69	50653	-151821.1413	837277.1720520676	39.17317176506263	-101.3347582	298311.5299881475	4338950.94453331	331.0011010567805	324.8921353886103	3156.9343898900625	3174.744104680206	57.95774949848755	40.14803078
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338	69	50655	-146501.1413	837277.1720520676	39.17319235478323	-101.330104	298713.683817938406	4338582.386521124	334.1456410105648	324.0368748904975	3162.1278030329265	3101.2012944736716	51.90907453271607	3.35550642860605
336	69	50656	-149841.1413	837277.1720520676	39.17320582221611	-101.327777	299194.76048075047	4338763.355281372	336.1870222711324	324.690807329802	3163.275871621757	3173.749206	50.30326111223644	0
337	69	50657	-149181.1413	837277.1720520676	39.17321276471202	-101.3254499	299115.83604577566	4338573.247351475	330.2726623443887	323.18183290307	3164.3488298342772	3124.695706089044	48.8330034562093	0
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341	69	50661	-146541.1413	837277.1720520676	39.17325304519323	-101.3161416	299920.140821384	4338556.2092121572	331.476516276491	3166.3742713829424	3206.851626831753	3151.0224689338087	45.26684732305807	0
342	69	50662	-145821.1413	837277.1720520676	39.17326300293337	-101.3138145	300122.2163113177	4338554.180540044	333.715350547524	321.114831456975	3169.398657593847	3203.6804745792893	44.5492470059018	7.38416712047546
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363	69	50683	-132021.1413	837277.1720520676	39.17346713265618	-101.2654586	304335.7652850267	4338469.69140013	333.8353028787123	320.0750234482076	3146.241346375483	3153.7703288963	43.2160274048169	37.0296381016875
364	69	50684	-131361.1413	837277.1720520676	39.17347071543884	-101.2626185	304544.82748747617	4338465.59453344	333.3673737	320.00113046	3144.838364515443	3151.740748369252	43.2160274048169	37.0296381016875
365	69	50685	-130701.1413	837277.1720520676	39.17347962548305	-101.2602914	304745.894976971	4338461.569743583	333.3673737	320.00113046	3144.838364515443	3151.740748369252	43.2160274048169	37.0296381016875
366	69	50686	-130041.1413	837277.1720520676	39.17348850447369	-101.2579643	304946.96931607183	4338463.545310727	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
367	69	50687	-129381.1413	837277.1720520676	39.17349733851598	-101.2556372	305148.03982426025	4338453.21054773	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
368	69	50688	-128721.1413	837277.1720520676	39.17350613	-101.2533011	305346.11078152	4338449.6937704	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
369	69	50689	-128061.1413	837277.1720520676	39.17351487175444	-101.250983	305550.18802217225	4338443.9232704	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
370	69	50690	-127401.1413	837277.1720520676	39.17352357095089	-101.2486559	305751.2506725152	4338441.49342811	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
371	69	50691	-126741.1413	837277.1720520676	39.173532225198734	-101.2463288	305962.3256374334	4338439.452799767	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
372	69	50692	-126081.1413	837277.1720520676	39.17354083449796	-101.2440017	306153.39020903676	4338434.30224419	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
373	69	50693	-125421.1413	837277.1720520676	39.1735493884887	-101.2416746	306354.4596902281	4338431.49339334	332.058403776958	320.756322316063	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
374	69	50694	-124761.1413	837277.1720520676	39.17355791825478	-101.2393475	306555.5290811639	4338425.36213554	331.816409256554	320.591337388629	3143.747581277818	3150.7264293934787	43.2160274048169	37.0296381016875
375	69	50695	-124101.1413	837277.1720520676	39.17356643070807	-101.2370127	306756.581272498	4338419.272498	331.615363920585	320.412630413045	3157.12637614768	3169.2138330329265	43.2158330329265	35.4342428057031
376	69	50696	-123441.1413	837277.1720520676	39.17357482121665	-101.2346633	306955.6657	4338413.71070827	331.615363920585	320.412630413045	3157.12637614768	3169.2138330329265	43.2158330329265	35.4342428057031
377	69	50697	-122781.1413	837277.1720520676	39.17358326768576	-101.2323662	307158.7385149197	4338413.28820587	331.615363920585	320.412630413045	3157.126			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThEvLogKgr.ft	SatThBoth.ft
459	50779	-68661.14133	83727.71720250766	39.17411777861571	-101.04154523	323645.7455083074	338080.045211848	3178.187012312189	3022.954814996704	3005.881269398901	3000.557850275322	27.07354608909192	32.39696229138842
460	50780	-68601.14133	83727.71720250766	39.174122432383005	-101.0392161	323846.7950274274	338080.037327874	3175.1627401149403	3021.421260667072	3001.2044744819897	29.216786158048904	29.216786158048904	37.15811205813179
461	50781	-67841.14133	83727.71720250766	39.17415370120069	-101.0368986	324447.8527340866	338080.037327874	3175.1627401149403	3021.421260667072	3001.2044744819897	29.216786158048904	29.216786158048904	37.15811205813179
462	50782	-66681.14133	83727.71720250766	39.174131605068024	-101.0392161	324498.9061	338080.037327874	3175.1627401149403	3021.421260667072	3001.2044744819897	29.216786158048904	29.216786158048904	37.15811205813179
463	50783	-66621.14133	83727.71720250766	39.17413612	-101.0322327	324449.9592710376	338080.037327874	3175.1627401149403	3021.421260667072	3001.2044744819897	29.216786158048904	29.216786158048904	37.15811205813179
464	50784	-65361.14133	83727.71720250766	39.17414059795194	-101.0299066	324651.012817358	338080.040777034	3162.27841777063	3020.565090263375	2984.61153130180473	29.7853336856046	35.94193724290114	42.0312516029138
465	50785	-64701.14133	83727.71720250766	39.17414502697385	-101.0275794	324852.0651288057	338080.060018931	3158.1790976994487	3018.199076994487	2968.60899192745	29.7684250530072	37.53097180168673	41.798757629217776
466	50786	-64041.14133	83727.71720250766	39.17414941104276	-101.0252523	325053.11778860254	338055.994	3155.18022848917	3015.8759839073136	2976.15039625007	29.7308318645916	39.7258638206574	45.044118411204636
467	50787	-6381.14133	83727.71720250766	39.17415370120069	-101.0229252	325554.17028517967	338055.994	3155.18022848917	3015.8759839073136	2976.15039625007	29.7308318645916	39.7258638206574	45.044118411204636
468	50788	-62721.14133	83727.71720250766	39.17415804331519	-101.020598	325655.22251075255	338047.98100042	3155.179402511096	3011.363454917573	2968.50589010063	29.7684250530072	44.8573044119065	42.958813156232664
469	50789	-62061.14133	83727.71720250766	39.17416223550715	-101.0182709	325654.2747656413	338043.974746922	3155.557796238876	3009.1741066210598	2961.73873831972	29.64335620876	44.13756413999363	
470	50790	-61401.14133	83727.71720250766	39.17416649782045	-101.0159437	325857.32674954704	338039.936869979	3157.8179006661	3007.027769950324	2956.46392	29.615409554843784	50.5617397	45.4868147
471	50791	-61041.14133	83727.71720250766	39.174170657140394	-101.0136166	325868.3786539454	338035.96276103	3157.963194319363	3004.923198202013	2950.730819336437	29.56639629929803	54.1933788	45.796361989039815
472	50792	-60821.14133	83727.71720250766	39.17417477	-101.0112895	326259.4302769756	338031.95701285	3156.37911269757	3002.864283206977	2944.7400821138044	29.518677178246985	52.142019317236	50.5971049068129
473	50793	-60491.14133	83727.71720250766	39.1741784993078	-101.0089623	326460.481691596	338027.951491517	3154.958662314625	3000.5485936892	2938.5899909468417	29.454379001705289	62.26228130101653	54.87826386159806
474	50794	-59761.14133	83727.71720250766	39.1741826540124	-101.006032	326661.532985687	338023.9416117793	3153.538191782235	2998.874806789259	2932.00163240629	29.3931211081504105	66.8731741394338	57.0890383848815
475	50795	-58101.14133	83727.71720250766	39.1741868442183	-101.004308	326862.58412028186	338019.94026011	3151.576717940827	2994.934003738009	2925.6086226836996	29.33387301335474	71.33618105209628	63.544273602461294
476	50796	-57441.14133	83727.71720250766	39.17419077949261	-101.0019809	327063.6351	338013.95864939	3147.073935101474	2995.051171007154	2919.8885015409583	29.143146599917	75.537396419635	67.537396419635
477	50797	-56781.14133	83727.71720250766	39.17419669113525	-100.9996537	327264.68588169484	338011.931052793	3146.571261526146	2993.199685096054	2916.491560274009	29.083237661385	76.7083092359662	69.8016318426688
478	50798	-56121.14133	83727.71720250766	39.17419851378457	-100.9973266	327465.3765089238	338009.96276103	3145.068581342755	2991.387766808421	2916.4651147857804	29.083237661385	76.7362203	69.8228005
479	50799	-55461.14133	83727.71720250766	39.17420231350577	-100.9949995	327666.78969743865	338003.921889524	3144.60428299253	2989.61626626745163	2912.223430479623	29.0463784722315	77.62029411	67.40293411
480	50800	-54801.14133	83727.71720250766	39.17420606827	-100.9926723	327867.76572574459	337999.971571884	3142.2856338839326	2987.88424765787	2915.688026716905	29.04112639692214	79.1935939417738	67.76039666538
481	50801	-54141.14133	83727.71720250766	39.17421037898915	-100.9903923	328068.8237797951	337993.93430228	3140.56842040573	2986.154753871167	2912.936296846673	29.04112639692214	79.1935939417738	67.76039666538
482	50802	-53541.14133	83727.71720250766	39.17421344270036	-100.988018	328269.9337327554	337991.904654459	3141.57832050328	2984.537333025127	2916.72116900479	29.04112639692214	79.1935939417738	67.76039666538
483	50803	-52821.14133	83727.71720250766	39.1742170628196	-100.9855809	328470.9871184658	337987.905647838	3141.55949201138	2982.922432576385	2920.25670626143	29.04112639692214	79.1935939417738	67.76039666538
484	50804	-52161.14133	83727.71720250766	39.17422063785341	-100.9833637	328672.307648613	337983.90261092	3140.66856027342	2981.3448752709246	2917.26170330051903	29.0465567447229	59.5883426573455	52.88831852620056
485	50805	-51501.14133	83727.71720250766	39.17422416788525	-100.9810366	328873.0861870232	337979.89623238	3139.84122853825	2979.8043425579535	2922.805772460327	29.0465567447229	59.5883426573455	52.88831852620056
486	50806	-50841.14133	83727.71720250766	39.1742276295712	-100.978795	329074.1354072804	337975.895361442	3139.63859579714	2978.300053979	2923.47372688056	29.0465567447229	59.5883426573455	52.88831852620056
487	50807	-50181.14133	83727.71720250766	39.17423103037915	-100.9763823	329276.1836937915	337971.889275827	3139.533113891704	2977.81311891704	2922.4991681222846	29.0465567447229	59.5883426573455	52.88831852620056
488	50808	-49511.14133	83727.71720250766	39.17423448577617	-100.9740552	329476.23357653	337967.88926533	3139.427177275458	2976.827177275458	2922.4991681222846	29.0465567447229	59.5883426573455	52.88831852620056
489	50809	-48861.14133	83727.71720250766	39.17423783847328	-100.971728	329677.28231841157	337963.886831468	3139.315865206326	2973.995512	2921.50550589004	29.0465567447229	59.5883426573455	52.88831852620056
490	50810	-48201.14133	83727.71720250766	39.17424114374545	-100.9694009	329878.330435925	337959.88073311	3138.8224101137534	2971.8245653592615	2921.324665506921	29.0465567447229	59.5883426573455	52.88831852620056
491	50811	-47541.14133	83727.71720250766	39.17424440406396	-100.9670377	330079.3793851674	337955.881691057	3138.40289759487	2971.288995602483	2920.3269507714763	29.0465567447229	59.5883426573455	52.88831852620056
492	50812	-46881.14133	83727.71720250766	39.17424761943998	-100.9647466	330280.427668388	337951.87494869	3135.485084187596	2969.9813284662571	2919.20388043894	29.0465567447229	59.5883426573455	52.88831852620056
493	50813	-46221.14133	83727.71720250766	39.1742507986226	-100.9624194	330481.4757864134	337947.877445225	3135.213258162145	2968.70345705754	2918.74459838172	29.0465567447229	59.5883426573455	52.88831852620056
494	50814	-45561.14133	83727.71720250766	39.17425392797951	-100.9600923	330682.5237797951	337943.87559631	3135.045624040573	2967.545753871167	2917.523235727679	29.0465567447229	59.5883426573455	52.88831852620056
495	50815	-44901.14133	83727.71720250766	39.17425706569596	-100.9577652	330883.5175257385	337939.87302905	3135.012654310928	2966.237783225129	2916.202149173221	29.0465567447229	59.5883426573455	52.88831852620056
496	50816	-44241.14133	83727.71720250766	39.174260031429334	-100.955438	331084.619147471	337935.874218042	3132.945951720227	2965.03568028439	2915.250235831786	29.0465567447229	59.5883426573455	52.88831852620056
497	50817	-43581.14133	83727.71720250766	39.17426302205176	-100.9531109	331285.666641267	337931.87019035	3132.179165125362	2963.871015133043	2914.799963609466	29.0465567447229	59.5883426573455	52.88831852620056
498	50818	-42921.14133	83727.71720250766	39.17426596772414	-100.9507837	331486.7139592833	337927.86939367	3131.42450684097	2962.72832993455	2913.818335615455	29.0465567447229	59.5883426573455	52.88831852620056
499	50819	-42261.14133	83727.71720250766	39.17426888464658	-100.9484566	331687.7610231292	337923.86985454	3131.532910291305	2961.605028183786	2913.68217511931	29.0465567447229	59.5883426573455	52.88831852620056
500	50820	-41601.14133	83727.71720250766	39.17427172341898	-100.9461294	331888.8079605425	337918.86165044	3131.540627081294	2960.5051028974	2913.68217511931	29.0465567447229	59.5883426573455	52.88831852620056
501	50821	-40941.14133	83727.71720250766	39.17427473009156	-100.9438154	332090.9151919126	337911.86701513	3131.5565041786075	2959.37061697758	2912.893235746062	29.0465567447229	59.5883426573455	52.88831852620056
502	50822	-40281.14133	83727.71720250766	39.1742773009156	-100.9414571	332290.9151919126	337911.86701513	3131.5565041786075	2958.37061697758	2912.893235746062	29.0465567447229	59.5883426573455	52.88831852620056
503	50823	-39621.14133	83727.71720250766	39.1742800218752	-100.939148	332491.947898964	337907.86619453	3131.798028022977	2957.33636047254	2922.7573590143843	29.0465567447229	59.5883426573455	52.88831852620056
504	50824	-38961.14133	83727.71720250766	39.1742826780984	-100.9368208	332692.942972014	337903.86721386	3131.7478796877	2956.317089983274				

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt.	BR Elev	LogKrg	BR Elev	LogKrg	SurElev	W.Lt.
585	59005	14498.85867303351	83727.71720250766	-73.174350172235314	-70.07483216	348977.2207773277	4337580.441973273	2951.154593381162	2786.3055419756092	2799.156370211197	2796.146387	2797.14717641213	80.1591545049905	80.1591545049905	
586	59006	15158.85867303351	83727.71720250766	-73.17434972629636	-70.07459844	34978.25465369376	4337567.4563623725	2947.8227761726373	2875.03921824399	2784.37514619634	2784.37514619634	80.670238474477	80.670238474477		
587	59007	16218.85867303351	83727.71720250766	-73.17434911	-70.0743675	34879.270729026	4337561.91197153	2943.61477788084	2873.1152	2786.720311595604	2786.720311595604	84.8311138591901	84.8311138591901		
588	59008	16548.85867303351	83727.71720250766	-73.1743400756751	-70.07413001	34980.2321034171	4337568.4557842742	2935.54259698047	2872.319429259312	2793.70357607017	2794.048636716911	78.11655721254017	78.270702542017		
589	59009	17138.85867303351	83727.71720250766	-73.17434586	-70.0739013	34971.3545237789	4337564.500183661	2928.466195139675	2875.803262606697	2797.429133666531	2798.021474683184	73.42412939	72.8317882771213		
590	59010	17798.85867303351	83727.71720250766	-73.174344673038554	-70.07366858	34982.38753651339	4337561.551714449	2911.3902349250676	2869.3140439507033	2800.5620265136314	2801.040490743167	68.7490717301787	67.90904424638666		
591	59011	18458.85867303351	83727.71720250766	-73.174343834884	-70.07343587	35018.4202137045	4337563.30340299	2918.0434375243737	2876.80387467574	2796.814383247675	2798.0187436875174	68.8874391957373	70.00132862392047		
592	59012	19118.85867303351	83727.71720250766	-73.17434216	-70.07320315	35038.4529256774	4337562.545681203	2904.87622892579	2866.036915335765	2793.0748821087413	2793.82349848841496	72.9612094270372	72.1224345161545		
593	59013	19778.85867303351	83727.71720250766	-73.1743408411904	-70.0729774	35058.4654922651	4337561.551714449	2894.81603398455	2794.36845146844	2791.7755746148927	2792.7123051786973	72.53829372892626	72.53829372892626		
594	59014	20438.85867303351	83727.71720250766	-73.174339464578914	-70.0727372	35076.51701316603	4337564.557888136	2891.1911594	2892.549005233878	2789.863043309577	2791.8277291915639	70.7232210427351	70.7232210427351		
595	59015	21098.85867303351	83727.71720250766	-73.1743385008887	-70.07250501	35087.5501909007	4337564.592754147	2891.759319514341	2880.749893	2788.9673527422897	2891.260225316939	71.7825006542027	69.8896769177105		
596	59016	21758.85867303351	83727.71720250766	-73.1743369064829	-70.0722729	35118.5822317429	4337563.608957177	2917.12984568326	2858.920652783716	2783.16045998674	2785.0103813042	75.7605051317678	73.91013424398943		
597	59017	22418.85867303351	83727.71720250766	-73.174335086257784	-70.0720358	35138.614082829	4337562.601021219	2967.069093149738	2776.9738898975	2778.1724897552504	2806.02194151789	78.8965195	78.8965195		
598	59018	23078.85867303351	83727.71720250766	-73.174333591713	-70.0718068	35159.6641515443	4337562.641402259	2915.020146718327	2859.19066531836	2771.8469948243037	2771.8469948243037	83.3520717089795	82.5566960260426		
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601	59021	25058.85867303351	83727.71720250766	-73.174328619145005	-70.0710872	352193.7401565033	4337561.691625305	2905.978990646224	2849.511286358195	2755.559431275236	2755.03412126311	93.9185168020584	94.4281458200854		
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630	59050	44198.85867303351	83727.71720250766	-											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtBoth.ft
711	69	51031	97658.85867307335	83727.71720250766	39.17368893896205	-100.4551019	74306.3652295964	430730.791861748	2718.386117090006	264.248305441753	2629.989575	2629.713849385787	44.536920476174146
712	69	51032	98318.85867307335	83727.71720250766	39.17368256347038	-100.4527748	74509.3819954885	430730.7545401309	2718.139119158654	262.8584612282175	2629.39804561362	2629.1243606253625	43.73410060263495
713	69	51033	98978.85867307335	83727.71720250766	39.173791426146074	-100.450447	74708.3986951674	430730.791691132	2717.822652925544	267.1474869094015	2628.66781	2628.401716899003	43.81071950196584
714	69	51034	99638.85867307335	83727.71720250766	39.17384878326937	-100.4481726	74909.41509418054	430730.727900932	2717.686329580125	267.009284012501	2627.89622333476	2627.4420012243624	42.40071596564491
715	69	51035	100298.85867307335	83727.71720250766	39.17384194806685	-100.4457393	75110.4134088809	430730.7647966975	2714.831175951231	266.8723952762144	2627.128813585096	2627.528674915049	41.59513917704817
716	69	51036	100958.85867307335	83727.71720250766	39.173835121391434	-100.4434663	75311.4477525365	430730.807174459	2627.3552211425426	262.175960373271	2627.268908196134	2627.175960373271	40.56612226144162
717	69	51037	101678.85867307335	83727.71720250766	39.173822303034	-100.4411392	75512.46386723996	430730.838265135	2704.06837418257	266.8578997850586	2626.832728455235	2627.137578349229	38.15273435025624
718	69	51038	102218.85867307335	83727.71720250766	39.17382127972012	-100.4388121	75713.4798601205	430730.876287156	2686.686974	266.427455875654	2626.306676373497	2626.524901	38.10254290224065
719	69	51039	102698.85867307335	83727.71720250766	39.173791426146074	-100.436845	75759.4456743695	430730.913757513	2687.939678467308	263.268912255544	2624.974663830224	2625.369834	36.29224687724005
720	69	51040	103598.85867307335	83727.71720250766	39.1737280252204	-100.4341570	75716.5115262071	430730.951432791	2701.8252716677102	262.7269704633018	2624.0594007463318	2624.0594007463318	37.83522098571322
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722	69	51042	104918.85867307335	83727.71720250766	39.17373069687755	-100.4295036	75751.54270150536	430730.0270505483	2709.586152322195	260.190968355744	2622.169336491094	2622.561833957598	36.6282628597563
723	69	51043	105578.85867307335	83727.71720250766	39.17375888891755	-100.4271765	75767.15840933874	430730.065260347	2716.857251697173	265.7830745	2621.441487046116	2621.369475567764	35.787573139377
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725	69	51045	106898.85867307335	83727.71720250766	39.17371417972844	-100.4225223	75770.15886942277	430730.12418724	2708.16569546742	265.517765523468	2619.530345242083	2620.019321147575	35.99873249963852
726	69	51046	107558.85867307335	83727.71720250766	39.17376115156974	-100.4201952	75772.3622208314	430730.161137156	2706.814977397254	265.3764064133373	2618.126653543768	2618.151490761235	35.63795269696929
727	69	51047	108218.85867307335	83727.71720250766	39.17375676271554	-100.4175681	75775.2216556703	430730.1762030428	2702.978907502328	265.2431753994214	2616.414885670611	2616.8096673720756	35.9688622360304
728	69	51048	108878.85867307335	83727.71720250766	39.173749341639	-100.4145849	75777.6333735658	430730.2125096793	2696.60316979648	265.10649125571535	2614.566168	2614.8966111053966	36.0783015319296
729	69	51049	109538.85867307335	83727.71720250766	39.1737419366615	-100.4132138	75792.64807298494	430730.28633717	2690.340826545074	264.9717804380614	2612.7301997524987	2613.108734567023	36.199702361638
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731	69	51051	110858.85867307335	83727.71720250766	39.17372693318686	-100.4085596	75782.6771197326	430730.37339438	2706.309967458168	264.07288161638	2608.647125584255	2609.047166083638	38.38075602225236
732	69	51052	111518.85867307335	83727.71720250766	39.17371935321199	-100.4062529	75787.6914675629	430730.41710297	267.2072617030863	264.58169711136	2607.21837556349872	2608.432065295482	38.0661596146426
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736	69	51056	114158.85867307335	83727.71720250766	39.17368861	-100.396924	75793.17477	430730.5788671	2659.9430368205	264.216580042339	2606.43426308976	2606.877771313926	33.3387470496155
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739	69	51059	116178.85867307335	83727.71720250766	39.173669466665	-100.3899924	75794.788466655	430730.70339438	2687.0837402878457	263.9473472821792	2608.298247821792	2608.298247821792	35.19062458602169
740	69	51060	116898.85867307335	83727.71720250766	39.1736514175232	-100.3876154	75795.81802	430730.7461416	2693.07028077798	263.420161839593	2599.571461839593	2599.571461839593	34.70457328731334
1	70	51061	-370941.1413	83793.71720250766	39.16907442360571	-102.1073264	321545.82250540023	430730.537073727	4036.0112431196557	357.1345892455347	3794.820876711272	3794.732730311099	62.38182894343592
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4	70	51064	-368961.1413	83793.71720250766	39.1691501	-102.1003461	322149.28640647	430730.32526393	4037.47160997478	385.076290518056	3776.602142350548	3776.60293285671	76.37627535193006
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6	70	51066	-367641.1413	83793.71720250766	39.1692011621375	-102.095629	322551.59226770326	430730.1912466126	4029.58920211476	385.076290518056	3776.602142350548	3776.60293285671	87.89041133941562
7	70	51067	-366981.1413	83793.71720250766	39.16922518414268	-102.0933658	322752.7452589693	430730.1503984737	4017.72246867327	384.8924091433447	3765.85639038265	3765.85639038265	93.2848858906321
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10	70	51070	-365001.1413	83793.71720250766	39.16929996	-102.0863385	323356.2016788352	430730.02703347	4009.25322533027	384.486544295259	3740.2350230398367	3739.93429818476	104.9360221336237
11	70	51071	-364341.1413	83793.71720250766	39.16932479240382	-102.0840587	323567.3532981634	430730.083979191	4006.7318219754105	384.486544295259	3740.2350230398367	3739.93429818476	107.0803456232623
12	70	51072	-363681.1413	83793.71720250766	39.16934902212324	-102.0817319	323758.5043630072	430730.045928104	4004.2632987506	384.2109011692731	3733.344733304087	3733.344733304087	110.7178856219038
13	70	51073	-363021.1413	83793.71720250766	39.169370506716375	-102.0794784	324016.8065364477	430730.00261794	4002.38525511638	384.2109011692731	3733.344733304087	3733.344733304087	113.849143853
14	70	51074	-362361.1413	83793.71720250766	39.1693902674269	-102.0770784	324216.8065364477	430730.00261794	4000.34520911638	384.2109011692731	3733.344733304087	3733.344733304087	116.8009414738945
15	70	51075	-361701.1413	83793.71720250766	39.1694238165063	-102.0747516	324361.9570909697	430730.033401911	3996.7445326512317	383.956556699493	3729.67197846534	3729.54308	118.28063774896509
16	70	51076	-361041.1413	83793.71720250766	39.16944826191597	-102.0724248	324563.1073817793	430730.045928104	3994.186662561687	383.511528484114	3729.561542	3728.965404869395	120.006110843116
17	70	51077	-360381.1413	83793.71720250766	39.16947285664271	-102.070098	324764.2574097948	430730.0149102489	3991.628505909882	383.511528484114	3729.561542	3728.965404869395	120.006110843116
18	70	51078	-359721.1413	83793.71720250766	39.1694973673078	-102.0677712	324965.4071735689	430730.07402187	3987.073396202592	38			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR1ElevKgr.ft	BR1ElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft	
97	10	11517	-307581.1413	873973.7170250766	36.17132924369104	-101.8839506	250855.4246754971	33947.79	3799.145933890414	3718.2591189923196	3671.3757408088422	3671.250650676146	46.88337818347736	47.00846816717355
98	70	11180	-306821.1413	873973.7170250766	36.171313378542465	-101.8818237	251056.5540511663	4339.743	3785.4730741760575	3715.603217003391	3672.4804835366206	3678.752604250547	43.12272347	34.827395963417
99	70	11519	-306261.1413	873973.7170250766	36.1713425454451	-101.8792964	251287.68318128844	4339.743	3783.541571840115	3712.8324571716034	3672.8352389223443	3682.917326500914	29.815832701711977	29.815832701711977
100	70	11180	-305601.1413	873973.7170250766	36.17135903411884	-101.8769699	251458.8120645134	3793.354	3799.9743871926707	3709.9743871926707	3674.936989415186	3684.9315787781	25.03724294727552	25.03724294727552
101	70	11181	-304841.1413	873973.7170250766	36.1713758344369	-101.874643	251659.94070171448	4339.743	3707.0594246079627	3675.8649850139327	3686.0024665109327	31.19443694029973	21.056069073693804	21.056069073693804
102	70	11162	-304281.1413	873973.7170250766	36.17133664282628	-101.8723161	251861.06092927274	3803.1162	3812.191210173751	3704.1030571417926	3675.853394027023	3685.720471561979	18.3822762345229	18.3822762345229
103	70	11163	-303621.1413	873973.7170250766	36.1714173286669	-101.8699892	252062.19723841318	3818.6778	3818.67781281518	3672.475922039107	3692.295689116148	26.66804816601143	8.831574089070356	8.831574089070356
104	70	11164	-30261.1413	873973.7170250766	36.17137938634564	-101.8676263	252263.32513873776	3397.19	3820.311226	3698.147359979652	3671.388290718713	3676.274512260324	16.27824769780486	16.27824769780486
105	70	11165	-302091.1413	873973.7170250766	36.171456894120125	-101.8653353	252464.452795302401	3803.1162	3803.11621538954	3695.152798527534	3696.8533389389665	3667.12226896157	23.8186192175484	23.8186192175484
106	70	11166	-301641.1413	873973.7170250766	36.1714791543329	-101.8630084	252665.5802250577	3397.111	3823.55511652923	3692.10232690476	3691.4232340569037	3697.372255245504	30.72712351845295	34.84785767595213
107	70	11167	-300881.1413	873973.7170250766	36.17146967980398	-101.8606815	252866.70673871814	4339.743	3821.0649680594477	3689.2898105994477	3655.609297970502	3651.609025852303	33.6851126284551	37.599747343897434
108	70	11168	-300321.1413	873973.7170250766	36.17152015253219	-101.8583546	253067.83428711686	4339.743	3841.468725550903	3686.39498352826	3649.18410382275	3649.677860369256	37.2053943355119	36.71163795657003
109	70	11169	-299661.1413	873973.7170250766	36.171540585717835	-101.8560277	253268.9606254792	4339.743	3846.75952502553	3683.93987697428	3642.5091531471684	3646.2927678612905	41.01483455655949	37.23121983613737
110	70	11170	-299001.1413	873973.7170250766	36.17156097126094	-101.8537008	253470.8730936906	4339.743	3848.61463416654	3680.65976388354	3635.4639957178154	3644.60380291987	45.23180816502824	36.9210713396374
111	70	11171	-298341.1413	873973.7170250766	36.17158131	-101.8513739	253697.21358074439	4339.743	3799.717124112902	3777.308553012798	3628.2195208455667	3641.582248544484	49.6890249232145	36.02630458348784
112	70	11172	-297681.1413	873973.7170250766	36.171601607511923	-101.8494069	253872.33952391247	4339.743	3803.2003839634	3675.16456874725	3620.817343432025	3637.70183275766	54.3508022026989	37.4343854489899
113	70	11173	-297021.1413	873973.7170250766	36.171621858243374	-101.84672	254073.46522340723	4339.743	3806.868054574944	3672.466391887564	3621.9649204743505	3634.469815867246	59.50147141330354	37.99670103092941
114	70	11174	-296361.1413	873973.7170250766	36.17164206400676	-101.8443931	254274.59067341736	4339.743	3810.178376926164	3669.815551648596	3605.37961419782	3632.344601598254	64.4399022881654	37.47112505230327
115	70	11175	-295701.1413	873973.7170250766	36.17166224836396	-101.8420662	254475.7189217893	4339.743	3808.467172081186	3672.213363448027	3598.790363348828	3630.952833628107	64.42197310512291	36.25454049
116	70	11176	-295041.1413	873973.7170250766	36.17168234077325	-101.8397393	254676.8408618849	4339.743	3806.6579955229143	3664.6571793308667	3594.214674860575	3625.821383574044	70.44225041129617	43.27403576328230
117	70	11177	-294381.1413	873973.7170250766	36.171702141677195	-101.8374123	254877.96568870288	4339.743	3794.61736796453	3662.149567	3592.730631244661	3671.6557003428866	69.813906936810906	44.4936968818328
118	70	11178	-293721.1413	873973.7170250766	36.17172243767829	-101.8350654	255097.09017289153	4339.743	3787.69513506372	3599.6884155593803	3593.174850324593	3621.417935873658	66.51136662	36.47704769717184
119	70	11179	-293061.1413	873973.7170250766	36.171742816726464	-101.8326918	255309.21447583572	4339.743	3780.15294010331	3692.15249010331	3594.272490787634	3615.718434505043	72.9896360148915	5.2893133485217
120	70	11180	-292401.1413	873973.7170250766	36.17176234551715	-101.8304136	255481.3384113495	4339.743	3771.991511005213	3670.90734367474	3595.6925508479177	3629.03453459633	52.2147927977575	25.84390152146326
121	70	11181	-291741.1413	873973.7170250766	36.171782246023916	-101.8281064	255682.624715981	4339.743	3763.829817987111	3652.5851089319683	3597.066157927506	3628.27106143963	58.2197212772124	24.341045939219625
122	70	11182	-291081.1413	873973.7170250766	36.17180209	-101.8257777	255883.58568723276	4339.743	3755.6681249719103	3650.307183540431	3598.16466231069	3617.981428178647	52.14222120927525	32.3257536169725
123	70	11183	-290421.1413	873973.7170250766	36.1718218933924	-101.8234508	256084.708961329	4339.743	3750.214682327236	3648.0720636651	3599.145598197628	3593.7234684281	64.4399022881654	37.47112505230327
124	70	11184	-289761.1413	873973.7170250766	36.1718416498225	-101.8211328	256285.8319932787	4339.743	3747.07339431784	3654.87843443321	3599.9032862407415	3598.968408968054	65.915420307958	46.90994545701583
125	70	11185	-289101.1413	873973.7170250766	36.17186185976	-101.818769	256486.961571955	4339.743	3744.7235468236338	3648.7235468236338	3604.9125241291295	3615.718434505043	72.9896360148915	27.85185234163643
126	70	11186	-288441.1413	873973.7170250766	36.1718810773383	-101.81647	256688.0773354545	4339.743	3741.981121425039	3641.0054961289	3601.859540851367	3617.981428178647	70.7558301333397	13.0573147182015
127	70	11187	-287781.1413	873973.7170250766	36.171900649252315	-101.814143	256889.19964510706	4339.743	3738.094108204844	3632.91500810137816	3634.067354525696	3605.4052766375	54.53828443817581	44.82248135971
128	70	11188	-287121.1413	873973.7170250766	36.1719202582256	-101.8118611	257090.3217	4339.743	3736.04967	3637.49173069083	3604.3627415468704	3603.354680259123	63.10643152228183	41.144289040767821
129	70	11189	-286461.1413	873973.7170250766	36.17193975449486	-101.8094891	257291.44352461374	4339.743	3736.04967	3728.03315635156	3635.4646178198654	3605.905863	62.9769548370396	25.94550492516452
130	70	11190	-285801.1413	873973.7170250766	36.171959244133106	-101.8071622	257492.565130977	4339.743	3733.005739924925	3633.490937484829	3608.4708113321004	3617.981428178647	24.9790561272845	37.1379020575312
131	70	11191	-285141.1413	873973.7170250766	36.171978685973354	-101.8048353	257693.68847959531	4339.743	3732.722373442325	3722.722373442325	3601.1674047063506	3611.187180412473	36.125905171603591	20.28886822525305
132	70	11192	-284481.1413	873973.7170250766	36.1719980267018	-101.802593	257894.30758795372	4339.743	3727.189974756533	3629.329420205494	3617.187434505043	3615.718434505043	72.9896360148915	15.648645423014
133	70	11193	-283821.1413	873973.7170250766	36.17201743452395	-101.8001814	258095.9245697457	4339.743	3725.614819469681	3627.581482188443	3617.981428178647	3607.589596388337	58.2197212772124	24.341045939219625
134	70	11194	-283161.1413	873973.7170250766	36.17203674414333	-101.7978544	258297.0408062476	4339.743	3723.1945037147	3625.6673071935106	3621.323254789252	3626.545236649024	4.34052040258491	0
135	70	11195	-282501.1413	873973.7170250766	36.17205600339995	-101.7955275	258498.1695	4339.743	3723.77429	3623.756723892407	3625.171586	3630.8612425367	0	0
136	70	11196	-281841.1413	873973.7170250766	36.172075220422826	-101.7932005	258699.2886268313	4339.743	3723.77429	3621.852914719185	3627.697288354196	3630.91393554253	0	0
137	70	11197	-281181.1413	873973.7170250766	36.17209387392012	-101.7908738	258900.4906413973	4339.743	3723.77429	3619.95047380029	3627.215934871584	3623.536261740744	0	0
138	70	11198	-280521.1413	873973.7170250766	36.172113519637776	-101.788496	259101.52615161132	4339.743	3723.77429	3618.04730108283	3625.10477709039	3615.7201481049754	0	0
139	70	11199	-279861.1413	873973.7170250766	36.1721336905128	-101.7861927	259302.769531844	4339.743	3723.77429	3616.158158	3622.822373442325	3616.158158	0	0
140	70	11200	-279201.1413	873973.7170250766	36.172151639071815	-101.7838927	259503.7678421103	4339.743	3723.77429	3620.846196021927	3606.05424884475	3617.981428178647	0	0
141	70	11201	-278541.1413	873973.7170250766	36.172176031382734	-101.7815568	259704.886809037	4339.743	3723.77429	3618.285784826904	3609.065651343467	3600.242674063124	0	0
142	70	11202	-277881.1413	873973.7170250766	36.17219587874357	-101.7792388	259906.0053105552	4339.743	3723.77429	3617.981428178647	3604.3627415468704	3603.354680259123	0	0
143	70	11203	-277221.1413	873973.7170250766	36.172208841160595	-101.7769119	260107.12401560004	4339.743	3723.77429	3714.63967705554</				

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRIElevKsgm	BRIElevKsgm	SatThKLog	SatThKBoth
223	70	51283	-224421.1413	873973.1710250766	39.17357505362098	-101.5907516	17695.85145632357	4339236.361289615	3542.9795139079365	3408.0395302506867	3421.554253812725	3435.724396773351	0
224	70	51284	-223761.1413	873973.1710250766	39.173590315479345	-101.5884246	17696.356191506612	4339232.031	3546.3671410635557	3405.5603142229485	3419.6852952	3432.287805513365	0
225	70	51285	-223191.1413	873973.1710250766	39.17360519391285	-101.5860785	17696.944777258	4339227.981776832	3548.7561987191744	3403.078431521888	3417.299484876031	3438.6008314876035	0
226	70	51286	-222441.1413	873973.1710250766	39.17362070435675	-101.5837705	17697.19506612138	4339223.932281383	3549.1236574793	3400.596425132902	3414.2497925712146	3424.482767766384	0
227	70	51287	-221781.1413	873973.1710250766	39.173635813137571	-101.5814434	17700.249952844	4339219.88266285	3553.2999424075897	3398.1110954935466	3413.6936001788917	3419.7762914020342	0
228	70	51288	-221121.1413	873973.1710250766	39.1736501344816	-101.5791164	17701.23489692493	4339215.833833232	3550.22740391362	3395.6235227006617	3412.5468735414406	3413.8877249823877	0
229	70	51289	-220461.1413	873973.1710250766	39.17366550657403	-101.5767893	177402.4477932129	4339211.784876512	3547.1548762275384	3393.13134781302	3412.1483116613153	3406.80589590871	0
230	70	51290	-219801.1413	873973.1710250766	39.17368094275332	-101.5744623	177603.54477693284	4339207.76097824	3544.0823413137513	3390.638916	3410.72941692428	3400.17820039817	0
231	70	51291	-219141.1413	873973.1710250766	39.17369589898962	-101.5721352	177804.6447659242	4339203.887487259	3548.08869524528	3388.1386228922263	3409.347009963533	3401.44977768691	0
232	70	51292	-218481.1413	873973.1710250766	39.17371076227206	-101.5698082	178005.7420541525	4339199.639074807	3538.173914454283	3385.33243228925	3408.35046899033	3402.462113850755	0
233	70	51293	-217821.1413	873973.1710250766	39.17372564961144	-101.5674811	178206.24089466365	4339195.90034064	3535.259193762139	3383.119497723146	3406.4519108614704	3403.2991231849416	0
234	70	51294	-217161.1413	873973.1710250766	39.173740462004105	-101.5655141	178407.938622998	4339191.5427642185	3532.34456320995	3380.599266696265	3405.181548038114	3404.827201104982	0
235	70	51295	-216501.1413	873973.1710250766	39.17375525495007	-101.562827	178609.1849478068	4339187.494878068	3530.572853651034	3378.072035296807	3403.8517319354587	3405.041114665623	0
236	70	51296	-215841.1413	873973.1710250766	39.1737695194928	-101.5605	178810.132417631	4339183.447166003	3529.944605252477	3375.539249324059	3402.5257929296222	3403.331369811722	0
237	70	51297	-215181.1413	873973.1710250766	39.17378463	-101.5581729	179101.2304939996	4339179.399634015	3528.3163579994485	3373.00181338883	3400.75963929618	3404.52589327889	0
238	70	51298	-214521.1413	873973.1710250766	39.17379926210732	-101.5558495	179212.3273481181	4339175.352280098	3528.681095736812	3370.460357292904	3399.66001889672	3403.95246635725	0
239	70	51299	-213861.1413	873973.1710250766	39.17381384976609	-101.5535188	179413.42398451077	4339171.305104243	3528.0389875892904	3367.913670544033	3398.287265644628	3403.019301440291	0
240	70	51300	-213201.1413	873973.1710250766	39.1738293247803	-101.5511917	179615.52040319395	4339167.258106447	3527.2637216721323	3365.360557686267	3398.269103936923	3402.402399482367	0
241	70	51301	-212541.1413	873973.1710250766	39.17384289024305	-101.5488647	179815.6160443555	4339163.121286698	3526.5235456713604	3362.8006595995976	3398.722189801209	3400.9456192613488	0
242	70	51302	-211881.1413	873973.1710250766	39.17385734306115	-101.5465376	180016.7125844088	4339159.164444088	3525.783369715804	3360.2373590842726	3395.920871066807	3400.3619312638274	0
243	70	51303	-211221.1413	873973.1710250766	39.173871750932314	-101.5442106	180217.8084	4339155.11818134	3525.535423791676	3357.6723148574848	3395.31957	3399.027558470459	0
244	70	51304	-210561.1413	873973.1710250766	39.17388611385551	-101.5418383	180426.9830505863	4339151.071969567	3525.77733692474	3355.105570281953	3395.77915456291	3397.505703776868	0
245	70	51305	-209901.1413	873973.1710250766	39.17390231830808	-101.5395254	180625.6666025927	4339147.0253845073	3524.9231983251485	3353.968372349457	3395.83871985959	3397.505703776868	0
246	70	51306	-209241.1413	873973.1710250766	39.17391470457096	-101.5372294	180821.0944561501	4339142.97956412	3526.263822785577	3349.96304751279	3394.583529133054	3394.102821989043	0
247	70	51307	-208581.1413	873973.1710250766	39.173928832954055	-101.5349023	181022.1893570464	4339138.934107499	3525.945892198676	3347.3881698182513	3393.959585407449	3393.967617098	0
248	70	51308	-207921.1413	873973.1710250766	39.17394311690005	-101.5325752	181223.284014327	4339134.888531182	3525.06581380177	3344.809026138633	3393.2161294513535	3393.205106489121	0
249	70	51309	-207261.1413	873973.1710250766	39.17395725427887	-101.5302482	181424.3785110154	4339130.843135558	3524.1826984731742	3342.226132130565	3392.253823166492	3393.988496811293	0
250	70	51310	-206601.1413	873973.1710250766	39.17397134752071	-101.5279211	181625.4278	4339126.79791712	3523.299581112673	3339.63925840247	3389.880748672096	337.205996117265	0
251	70	51311	-205941.1413	873973.1710250766	39.17398593581535	-101.525584	181826.5666025927	4339122.75387827	3523.718401558519	3337.948255243688	3388.6704505355	3374.61148695894	0
252	70	51312	-205281.1413	873973.1710250766	39.1739939916276	-101.523268	182027.1680150124	4339118.7016544	3523.1819315273	3334.45506873236	3386.1029628797	3370.505683179504	0
253	70	51313	-204621.1413	873973.1710250766	39.1740133576298	-101.520939	182228.754233423	4339114.663332804	3522.159905000264	3331.86133007528	3383.219137070629	3366.955759915806	0
254	70	51314	-203961.1413	873973.1710250766	39.17402727701595	-101.5186128	182429.8472656793	4339110.61827016	3507.80850686779	3329.2668312721253	3378.31860775532	3365.99285	0
255	70	51315	-203301.1413	873973.1710250766	39.17404113952164	-101.5162857	182630.9400513896	4339105.574	3503.89401359657	3326.671498333468	3374.095756	3359.884567361097	0
256	70	51316	-202641.1413	873973.1710250766	39.17405349038005	-101.5139586	182832.0337694235	4339102.530349265	3500.199972429575	3324.075678962373	3370.1151963376105	3355.848091420717	0
257	70	51317	-201981.1413	873973.1710250766	39.17406811489116	-101.5118318	183033.1265193765	4339098.498	3496.505951265586	3321.479680502171	3365.42892659064	3350.43955898716	0
258	70	51318	-201321.1413	873973.1710250766	39.174082475545495	-101.509345	183234.2190554927	4339104.343	3492.81190959567	3320.830438325485	3360.504007148778	3352.1641388144048	0
259	70	51319	-200661.1413	873973.1710250766	39.17409616401729	-101.5069774	183435.4113777853	4339098.39867101	3492.655466774694	3316.288513552446	3354.112677	3350.43955898716	0
260	70	51320	-200001.1413	873973.1710250766	39.17410980784029	-101.5046503	183636.0344865576	4339096.35528874	3486.036312199988	3313.692646040095	3348.6840620301887	3331.5438727960127	0
261	70	51321	-199341.1413	873973.1710250766	39.1741234066185	-101.5023223	183837.49532800186	4339102.3268548	3499.417805285073	3311.09288865474	3343.6566197297498	3340.18485490013	0
262	70	51322	-198681.1413	873973.1710250766	39.17413696053597	-101.4999962	184038.5870642969	4339078.269186112	3502.789860350247	3308.48747345873	3337.2734022313343	3335.245350521953	0
263	70	51323	-198021.1413	873973.1710250766	39.17415046962624	-101.4976911	184249.28367355774	4339074.23281568	3501.398783202323	3305.876734147857	3332.1164539679168	3312.48526913073	0
264	70	51324	-197361.1413	873973.1710250766	39.174163533441754	-101.495342	184440.7698	4339070.13555484	3494.946659442994	3303.153404441189	3327.071607635198	3305.10785383926	0
265	70	51325	-196701.1413	873973.1710250766	39.17417607716198	-101.493045	184646.1411030996	4339066.1411	3492.81190959567	3301.863410730692	3324.78673668739	3302.78673668739	0
266	70	51326	-196041.1413	873973.1710250766	39.17419072655476	-101.490679	184850.945166618295	4339062.09	3482.227218833988	3308.019477128372	3313.835236045051	328.8513853820073	0
267	70	51327	-195381.1413	873973.1710250766	39.17420045663936	-101.4883068	185044.042285553	4339068.05642081	3476.655311911134	3304.354269302896	3307.7451001263457	3279.647179244737	0
268	70	51328	-194721.1413	873973.1710250766	39.1742133988287	-101.4860337	185245.13296813	4339054.01426851	3471.88299	3329.76814682365	3305.918207089945	3270.5903887817763	0
269	70	51329	-194061.1413	873973.1710250766	39.17423057912414	-101.4837066	185446.2228896756	4339049.973	3467.1104059838632	3300.404643633173	3300.906496052479	3261.39247947516	0
270	70	51330	-193401.1413	873973.1710250766	39.174243737417764	-101.4813795	185647.3129	4339045.30092993	3462.3373340242	3287.512300121217	3297.489960886936	3251.702688989616	0
271	70	51331	-192741.1413	873973.1710250766	39.17425693673725	-101.479524	185848.4028474942	4339041.88948174	3458.476198985545	3284.8646294461855	3292.940041174583	3242.767810172254	0
272	70	51332	-192081.1413	873973.1710250766	39.17427007716198	-101.4767253	186049.492056663	4339037.848144263	3448.52547309774	3282.257046	3288.076231074125	3242.428181362165	0
273	70	51333	-191421.1413	873973.1710250766	39.174283066112526	-101.4743892	186250.5815605918	4339033.807018165	3443.331674714003	3279.6312361381115	3283.194487054694	3219.858382229608	0
274	7												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVLogsKrg.ft	BRIEVBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
349	51409	-141261.1413	873937.3170250766	39.17514400869977	-101.2975732	301532.7709909692	338727.201132855	338727.2007821832	3167.72565051686	3163.137377193714	3182.496786856506	3163.788785797169	26.32558686179778	26.32558686179778
350	51410	-140601.1413	873937.3170250766	39.17515368447801	-101.2952101	301733.64471590034	338727.217365516	338727.2169944058	3208.317192	3162.3216597787264	3179.03003331319	3162.51686868971026	25.91686868971026	25.91686868971026
351	51411	-139841.1413	873937.3170250766	39.17516276269689	-101.2928829	301854.916252063	338727.2395391	338727.2395391	3067.854874112966	3161.43009158327777	3173.159534277777	3161.43009158327777	30.68534029854134	30.68534029854134
352	51412	-139201.1413	873937.3170250766	39.17517274642806	-101.2905558	302135.9671890003	338735.119	338735.119	3569.5959157225	3027.369374591182	3174.9232745631842	3164.86091333333316	32.89371030383989	32.89371030383989
353	51413	-138621.1413	873937.3170250766	39.17518221006028	-101.2882287	302337.06374463907	338731.09226768	338731.09226768	3362.8728537619227	3206.9145474827296	3159.552881	3171.70883609892	32.3616633895858	32.3616633895858
354	51414	-137961.1413	873937.3170250766	39.17519162861684	-101.2859015	302538.137684699	338730.888781	338730.888781	3361.179791926723	3206.4386331796377	3158.421709	3168.96438358131	34.0160246	34.0160246
355	51415	-137301.1413	873937.3170250766	39.17520100277794	-101.2835744	302739.21044040855	338730.93046924	338730.93046924	3359.4162846874975	3205.96726769538	3156.930038333309	3166.490705360917	49.0268984322966	39.416323344684
356	51416	-136641.1413	873937.3170250766	39.1752103309954	-101.2812472	302940.28020232355	338730.912652771	338730.912652771	3350.583269446	3205.4683163933665	3153.719567	3162.8989841	48.7487947	42.5694759888655
357	51417	-135981.1413	873937.3170250766	39.17521961475165	-101.2786201	303141.3554	338730.966196	338730.966196	3348.74643038224	3204.971020869572	3154.5865743878276	3158.31467838692	53.042774474	53.042774474
358	51418	-135321.1413	873937.3170250766	39.1752285535425	-101.2759293	303342.427	338730.96395974	338730.96395974	3353.914498017737	3204.462489545626	3153.27591736656	3154.5865743878276	51.65414637534126	51.65414637534126
359	51419	-134661.1413	873937.3170250766	39.175238047427335	-101.2742658	303543.9562643756	338730.9343371	338730.9343371	3331.93045148002	3203.950516254458	3150.8329320102965	3157.51847309313	51.172231154922	46.42116424
360	51420	-134001.1413	873937.3170250766	39.175247196340834	-101.2719386	303744.5713417661	338730.888781	338730.888781	3349.823106978183	3203.403307112077	3156.707939734258	3156.60077700123	52.6353673264832	46.80282934
361	51421	-133341.1413	873937.3170250766	39.175256300304795	-101.2696115	303945.64291023416	338730.9084871	338730.9084871	3347.70716324567	3202.847996449486	3149.5014315256826	3157.1771498901	53.6704839054749	46.80282934
362	51422	-132681.1413	873937.3170250766	39.17526539319155	-101.267243	304146.7134130442	338730.878458	338730.878458	3345.591107519448	3202.727995347645	3147.44130133572	3153.1902302799045	54.83184940119236	48.36905924860076
363	51423	-132021.1413	873937.3170250766	39.17527437336393	-101.2648572	304347.7855234032	338730.83584075	338730.83584075	3343.694758647258	3202.6189924950527	3147.74099690088	3152.8877897354	55.00179556	49.48710272
364	51424	-131361.1413	873937.3170250766	39.17528334249909	-101.26263	304548.8564511204	338730.87970779	338730.87970779	3341.693548021475	3201.054019214314	3144.7578010561	3150.319221472163	56.29025123087044	50.73479776024685
365	51425	-130701.1413	873937.3170250766	39.17529236664606	-101.260328	304749.9276758094	338730.86278	338730.86278	3339.80052105697	3200.05682611947	3145.001194440015	3149.480206055387	56.4044842117621	51.32147681
366	51426	-130041.1413	873937.3170250766	39.17530114589046	-101.2579757	304950.987	338730.858758	338730.858758	3337.90716913957	3199.725100652956	3143.56733242207	3147.7302041119033	56.15177624462283	51.99496496462283
367	51427	-129381.1413	873937.3170250766	39.1753098014664	-101.2556485	305152.0684444444	338730.73400874	338730.73400874	3336.321061135911	3199.0076735023204	3142.324004697457	3144.8758098178245	56.6836710253469	54.03186384495875
368	51428	-128721.1413	873937.3170250766	39.17531876946316	-101.2533214	305353.13869557605	338730.790740097	338730.790740097	3335.0407239736	3198.248814755577	3141.0461459276808	3142.8531367137424	57.20268827896105	55.39567861843443
369	51429	-128061.1413	873937.3170250766	39.17532751382996	-101.2509492	305554.2807555205	338730.68586454	338730.68586454	3333.760397621433	3197.447783207545	3139.78867827593	3141.50382439201645	57.6800914331464	55.4805393402939
370	51430	-127401.1413	873937.3170250766	39.17533621324704	-101.2486917	305756.2786244495	338730.66173402	338730.66173402	3331.450265145334	3196.5912405352138	3138.12366503856	3140.12366503856	58.04457549614526	56.46734743276935
371	51431	-126741.1413	873937.3170250766	39.17534507714264	-101.2463677	305958.2368455806	338730.63496172	338730.63496172	3329.454819377643	3195.841028811484	3136.98439831658	3140.12366503856	58.204689893278	57.204689893278
372	51432	-126081.1413	873937.3170250766	39.17535347273198	-101.2440128	306157.1477090064	338730.61935035	338730.61935035	3327.2847963411895	3194.71752817722	3136.097518003585	3136.459494225337	58.267157401733339	58.0758719718819
373	51433	-125421.1413	873937.3170250766	39.17536202179981	-101.241856	306358.48780716023	338730.5910357	338730.5910357	3325.85472794334	3193.69102485396	3135.262313201347	3136.4128887696837	57.1647179238772786	57.1647179238772786
374	51434	-124761.1413	873937.3170250766	39.17537056142209	-101.2393584	306559.556294078	338730.56738	338730.56738	3324.40656184796	3192.597292362945	3134.998570422312	3136.464358608364	57.59902159406329	56.1742375655418
375	51435	-124101.1413	873937.3170250766	39.17537904	-101.2370313	306760.6252109116	338730.54481567	338730.54481567	3321.704273239053	3191.43672329053	3133.471420188787	3136.4128887696837	57.69325205	54.780634813266
376	51436	-123441.1413	873937.3170250766	39.17538746580071	-101.2347041	306961.639302364	338730.512196338	338730.512196338	3319.58578111276	3190.1993944845454	3131.907739883062	3136.109724116128	58.01600837414	54.08967031401744
377	51437	-122781.1413	873937.3170250766	39.17539628	-101.232377	307162.7624755555	338730.484992814	338730.484992814	3317.6244987975	3189.13071570678	3131.688591597073	3136.109724116128	58.204689893278	57.204689893278
378	51438	-122121.1413	873937.3170250766	39.17540419039601	-101.230048	307364.1082739715	338730.45821973	338730.45821973	3315.743188092044	3188.10711425947	3131.171469469	3136.109724116128	58.415427399474	57.204689893278
379	51439	-121461.1413	873937.3170250766	39.17541248524687	-101.2277226	307564.898982682	338730.434548804	338730.434548804	3313.675224245475	3186.05677992747	3132.250195024325	3132.234473241348	58.3363684451197	63.82230673139884
380	51440	-120801.1413	873937.3170250766	39.1754203518385	-101.2253955	307765.969526672	338730.40623	338730.40623	3311.5112640607	3184.531915705068	3131.778930410622	3131.778930410622	58.457030446057	67.0630053482122
381	51441	-120141.1413	873937.3170250766	39.17542894015294	-101.2230683	307967.03473389905	338730.385984	338730.385984	3309.722652057391	3182.96376037597	3131.0506191495847	3132.4585347119837	58.688116880211	70.47820133
382	51442	-119481.1413	873937.3170250766	39.175437100172125	-101.2207411	308168.102325668	338730.3594	338730.3594	3307.8010214736916	3181.2741797562167	3131.63270239678726	3131.63270239678726	67.8471734821751	67.8471734821751
383	51443	-118821.1413	873937.3170250766	39.175445245124704	-101.218484	308369.168	338730.336859240	338730.336859240	3305.8216821169203	3179.54817629159	3131.4934034534028	3131.4934034534028	64.5053836	64.5053836
384	51444	-118161.1413	873937.3170250766	39.175453363068	-101.216168	308570.2384745168	338730.3151759	338730.3151759	3303.8451978975	3177.7624983765	3131.10141073297	3131.10141073297	62.451487399474	62.451487399474
385	51445	-117501.1413	873937.3170250766	39.17546131053054	-101.2137597	308771.30397529577	338730.298232949	338730.298232949	3301.9466185710471	3175.921503217663	3131.4885523529027	3132.7841170611396	62.45297488516042	62.1571415562349
386	51446	-116841.1413	873937.3170250766	39.17546929074482	-101.2114325	308972.3071573135	338730.281375839	338730.281375839	3300.6871478770887	3174.027533367165	3131.135717	3131.1357170597093	62.691878179548415	62.691878179548415
387	51447	-116181.1413	873937.3170250766	39.17547722021991	-101.2091053	309173.4374866649	338730.28220367	338730.28220367	3298.521416307927	3172.085382996418	3130.85706055642	3130.85706055642	62.9574276280247	62.9574276280247
388	51448	-115521.1413	873937.3170250766	39.17548511633822	-101.2067782	309374.503362564	338730.261541827	338730.261541827	3296.804561005376	3170.099924294233	3130.722608287568	3130.722608287568	62.7803175924448	62.7803175924448
389	51449	-114861.1413	873937.3170250766	39.17549296	-101.204451	309582.0702127372	338730.24099025	338730.24099025	3294.06721693225	3168.07497911329	3130.619450087824	3130.619450087824	62.5207470245677	62.5207470245677
390	51450	-114201.1413	873937.3170250766	39.17550076212694	-101.2021328	309767.6350422852	338730.22061495	338730.22061495	3292.480416885573	3166.0198703913225	3130.549495517616	3130.549495517616	61.42847487	61.42847487
391	51451	-113541.1413	873937.3170250766	39.1755091907668	-101.1998296	309970.73497148567	338730.20391763	338730.20391763	3290.43491768287	3164.032498728917	3130.4497941274477	3130.4497941274477	61.2128035497614	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
475	70	51535	-58101.14133	8739737.3170250766	39.1759995	-101.0043131	26866.5927794742	4338221.134534544	314.360568783865	2957.934284248017	2927.089928745272	2937.243284174199	68.70439996795262	58.55104477602614
476	70	51536	-58141.14133	8739737.3170250766	39.17600343871147	-101.0018639	27067.6436613457	4338217.129344478	315.9149084	2953.927895772605	2922.316222119574	2917.616673881902	61.79676365	
477	70	51537	-58261.14133	8739737.3170250766	39.17609723601305	-100.999167	27259.6941740825	4338213.124330828	314.8132740864327	2963.187214506973	2938.137214506973	73.4700372303313	63.7290372303313	58.74234701066196
478	70	51538	-58421.14133	8739737.3170250766	39.176173311992	-100.997315	27469.7446182263	4338209.114929825	3147.11713931121	2960.312690085373	2917.535312314131	2926.350100124448	63.9627695815307	
479	70	51539	-58561.14133	8739737.3170250766	39.17601497301717	-100.9950043	27670.7948934607	4338205.114835131	315.665766040359	2968.564705124096	2916.409813730577	2926.10923998308	72.15456278183273	62.5500859232458
480	70	51540	-58641.14133	8739737.3170250766	39.1761727883175	-100.9926771	27871.84500019514	4338210.114362373	315.1851085	2966.852224810186	2916.581473	2927.167134351924	72.2747495702835	69.689087982614
481	70	51541	-58411.14133	8739737.3170250766	39.17602247799254	-100.9903499	28072.8948363834	4338197.106037198	314.694894349143	2985.186740300806	2917.256334161643	2928.350094009986	73.934061141374	56.8817309028103
482	70	51542	-5841.14133	8739737.3170250766	39.17602612377635	-100.9880227	282873.9470898167	4338193.102	314.208903548523	2983.55642800747	2918.08780667129	2918.56468152160359	54.7018014944147	
483	70	51543	-52821.14133	8739737.3170250766	39.17602972	-100.989565	282474.8945114453	4338198.987487748	314.8132740864327	2981.964611645882	2918.028911808057	2928.7504714628957	62.9378047463557	58.74234701066196
484	70	51544	-52161.14133	8739737.3170250766	39.17603329733905	-100.983363	28286.043726225	4338195.041669615	314.927014190149	2980.411382590453	2920.0546724289752	2928.638992356234	60.567130091701	51.572329009807
485	70	51545	-51501.14133	8739737.3170250766	39.17603879595066	-100.9810411	282877.0903135256	4338181.00955227	314.23062784764815	2987.855319961983	2920.65087249549	2929.2469117138126	68.2334474664949	49.64862032387564
486	70	51546	-50841.14133	8739737.3170250766	39.1760403111125	-100.9787139	29078.1421135564	4338177.08134228	314.642537293756	2977.416581299327	2920.97970726219	2927.668279537517	56.4368736774048	49.748301718098916
487	70	51547	-50811.14133	8739737.3170250766	39.17604375	-100.9763867	29297.19104657	4338173.08382063	314.211701950885	2975.973086893367	2920.956688136348	2925.703589591722	50.018740570192	50.2701661860614786
488	70	51548	-49521.14133	8739737.3170250766	39.17604714857865	-100.9740595	29480.2398	4338169.081	314.012447241901	2974.565152842358	2920.5651972251073	2928.050440484262	54.0011180627244	51.556148
489	70	51549	-48861.14133	8739737.3170250766	39.1760604888575	-100.9717323	29681.2884120622	4338165.077900994	314.8132740864327	2973.193053432974	2919.4376371837624	2920.993100049638	53.75416238604994	52.995692976361146
490	70	51550	-48021.14133	8739737.3170250766	39.17605380421167	-100.9694051	29862.3365450486	4338161.07182275	314.0161501335264	2971.852854238832	2918.84593064557	2919.8163402784144	52.96826072	53.4249511944687735
491	70	51551	-47541.14133	8739737.3170250766	39.17605706464669	-100.9670779	30083.3851117882	4338157.072635452	313.983702861264	2970.544453405848	2917.842031176994	2913.140281151267	52.70242229953765	57.39517225
492	70	51552	-46881.14133	8739737.3170250766	39.17606028	-100.9647507	30284.431224811	4338153.072065922	313.762209961464	2970.564646583146	2916.756152426844	2913.064286112798	52.5104922584705	58.20234857357617
493	70	51553	-46221.14133	8739737.3170250766	39.17606345060322	-100.9624235	30485.4814713388	4338149.08067375	313.356404696457	2968.0192075785924	2915.710779695632	2918.87195843937	52.3084278803202	59.2012409201513
494	70	51554	-45611.14133	8739737.3170250766	39.17606576154845	-100.9600963	30686.5289	4338145.066047091	313.429710631507	2966.800984700843	2915.05748	2906.2819172921418	53.4504546014265	60.519067405782526
495	70	51555	-44901.14133	8739737.3170250766	39.176069675533	-100.9577691	30887.5762503469	4338141.064	312.777867962627	2965.61067962627	2913.74944490472	2909.23017316929	51.86153146155125	62.17347309698911
496	70	51556	-44241.14133	8739737.3170250766	39.17607265044717	-100.9554419	31088.624	4338131.056	312.971625371319	2964.47365403512	2912.874194826495	2904.6253712603619	51.5713739676257	59.8218614024014
497	70	51557	-43621.14133	8739737.3170250766	39.17607569310287	-100.9539154	31298.61712323459	4338126.056	312.971625371319	2964.47365403512	2912.874194826495	2904.6253712603619	51.5713739676257	59.8218614024014
498	70	51558	-42921.14133	8739737.3170250766	39.17607862855005	-100.9507675	31490.7184117913	4338120.059370575	312.086209221153	2962.197133487703	2913.589840356205	2905.1425466987687	48.60729313	57.054856417235
499	70	51559	-42261.14133	8739737.3170250766	39.1760815296408	-100.9484603	31691.7652582391	4338125.05891348	312.086209221153	2962.197133487703	2913.589840356205	2905.1425466987687	48.60729313	57.054856417235
500	70	51560	-41601.14133	8739737.3170250766	39.1760843549095	-100.9461331	31892.8120560175	4338121.057628147	311.04421551573954	2960.930180773771	2913.589840356205	2905.1425466987687	48.60729313	57.054856417235
501	70	51561	-40941.14133	8739737.3170250766	39.17608719638464	-100.9438059	32093.8586805039	4338117.05640509	310.875165215727	2958.931368448265	2913.589840356205	2905.1425466987687	48.60729313	57.054856417235
502	70	51562	-40281.14133	8739737.3170250766	39.17609962328554	-100.9414787	32294.9052319507	4338113.056	310.762878	2957.969313209854	2920.99365350342	2917.95313925499	47.9647787643236	60.0161933798652
503	70	51563	-39621.14133	8739737.3170250766	39.17610338319815	-100.9391514	32495.951959455	4338105.056	310.762878	2957.969313209854	2920.99365350342	2917.95313925499	47.9647787643236	60.0161933798652
504	70	51564	-38961.14133	8739737.3170250766	39.176107266106	-100.9368242	32696.49437789	4338101.056	310.762878	2957.969313209854	2920.99365350342	2917.95313925499	47.9647787643236	60.0161933798652
505	70	51565	-38301.14133	8739737.3170250766	39.17609790044917	-100.934497	32898.043604536	4338101.05450217	309.912728065319	2955.00497958982	2917.95313925499	2917.95313925499	47.9647787643236	60.0161933798652
506	70	51566	-37641.14133	8739737.3170250766	39.17610057687004	-100.9321698	33099.0840209297	4338097.05524282	308.9547884316	2954.050120114486	2929.79664600896	2917.95313925499	47.9647787643236	60.0161933798652
507	70	51567	-36981.14133	8739737.3170250766	39.17610317773735	-100.9298426	33300.135067945	4338093.05817723	308.9547884316	2954.050120114486	2929.79664600896	2917.95313925499	47.9647787643236	60.0161933798652
508	70	51568	-36321.14133	8739737.3170250766	39.176105614009224	-100.9275154	33501.18050498	4338089.05256414	309.912728065319	2955.00497958982	2917.95313925499	2917.95313925499	47.9647787643236	60.0161933798652
509	70	51569	-35681.14133	8739737.3170250766	39.1761080523593	-100.9251852	33702.2258177102	4338085.068877057	309.912728065319	2955.00497958982	2917.95313925499	2917.95313925499	47.9647787643236	60.0161933798652
510	70	51570	-35041.14133	8739737.3170250766	39.1761104722664	-100.922861	33903.27064358	4338081.07578343	308.9547884316	2954.050120114486	2929.79664600896	2917.95313925499	47.9647787643236	60.0161933798652
511	70	51571	-34341.14133	8739737.3170250766	39.17611283	-100.9205338	34104.0159453757	4338077.05848612	307.916705891112	2953.87028933177	2917.95313925499	2917.95313925499	47.9647787643236	60.0161933798652
512	70	51572	-33681.14133	8739737.3170250766	39.1761151494393	-100.9182066	34305.360771582	4338073.05947607	306.9474204062907	2948.6823839195	2915.753167041675	2915.753167041675	47.9647787643236	60.0161933798652
513	70	51573	-33021.14133	8739737.3170250766	39.17611742091885	-100.9158794	34506.0547319576	4338069.06118966	306.9474204062907	2948.6823839195	2915.753167041675	2915.753167041675	47.9647787643236	60.0161933798652
514	70	51574	-32361.14133	8739737.3170250766	39.17611964744717	-100.9135522	34707.449329062	4338065.06219234	306.9474204062907	2948.6823839195	2915.753167041675	2915.753167041675	47.9647787643236	60.0161933798652
515	70	51575	-31701.14133	8739737.3170250766	39.176121829024275	-100.911225	34908.9447064764	4338061.06429543	305.957178768533	2946.21999533424	2916.619233909476	2918.90032324541	47.9647787643236	60.0161933798652
516	70	51576	-31041.14133	8739737.3170250766	39.1761236556017	-100.908478	35105.538474718	4338057.06174625	304.862725605205	2945.42670442251	2916.619233909476	2918.90032324541	47.9647787643236	60.0161933798652
517	70	51577	-30381.14133	8739737.3170250766	39.17612548105827	-100.9059334	35306.6170519588	4338053.06381967	303.862725605205	2945.42670442251	2916.619233909476	2918.90032324541	47.9647787643236	60.0161933798652
518	70	51578	-29721.14133	8739737.3170250766	39.17612810404827	-100.9034234	35511.628193336	4338049.07032976	302.862725605205	2945.42670442251	2916.619233909476	2918.90032324541	47.9647787643236	60.0161933798652
519	70	51579	-29061.14133	8739737.3170250766	39.17613010582045	-100.9019162	35712.670141933	4338045.07275808	302.862725605205	2945.42670442251	2916.619233909476	2918.90032324541	47.9647787643236	60.0161933798652
520	70	51580	-2											

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatThKgr.f	SatThKgr.f
601	50	51661	2506.85867307335	873937.3170250766	39.17614128190593	-100.711085	352197.7264422396	4337717.8655618895	2756.3246828302315	2756.80370429156105	2756.6145834558083	92.2837449135897	92.2837449135897
602	70	51662	2517.185867307335	873937.3170250766	-100.708758	352398.7552777374	4337713.882059098	2908.706773100000	2742.172545310946	2752.86954339503	2752.467171116586	94.3030016159143	94.7043641452503
603	70	51663	2533.85867307335	873937.3170250766	39.176158979482	-100.705406	352899.7846891164	2865.323271721663	2853.635841613884	2750.87673769683	2750.346587102056	94.73387031881106	94.90369071134426
604	70	51664	2703.85867307335	873937.3170250766	-100.7041034	353058.7150275779	4337705.19628968	2908.989177430009	2843.32168843276	2750.175295342554	2749.596426533427	93.1500958053232	93.72094722803795
605	70	51665	2769.85867307335	873937.3170250766	-100.7017762	353001.8499232009	4337701.934401612	2892.67622646934	2841.3962352635693	2749.621731323494	2749.4037170768846	91.7745043000182	92.3525248626646
606	70	51666	2835.85867307335	873937.3170250766	39.176132166472195	-100.6994489	353202.88043614256	337663.290542986	2839.46120363197	2748.431295616376	2748.12445786691	91.0290081020355	91.33674574
607	70	51667	2901.85867307335	873937.3170250766	-100.6971212	353403.9108065606	4337703.968972274	2882.196680367995	2827.5223143890254	2746.917230419842	2746.752324019842	90.6120758894125	90.9778037008131
608	70	51668	2967.85867307335	873937.3170250766	-100.6947549	353604.941334668	4337689.98707279	2870.1369329211	2835.580759138687	2744.968275930265	2744.867257542517	90.6125214194328	90.71350147131807
609	70	51669	3033.85867307335	873937.3170250766	39.17612410100003	-100.6901401	353805.571512097137	2865.323271721663	2853.635841613884	2742.761501575383	2742.9047153769683	90.8404111	90.6775407861642
610	70	51670	3099.85867307335	873937.3170250766	-100.68591407	354007.00106477225	4337692.0249157725	2838.02249157725	2831.694186191902	2740.46596465725	2741.1255483122965	91.2289152722965	90.568378738017
611	70	51671	3165.85867307335	873937.3170250766	-100.6878129	354208.0039	4337678.02419461	2875.328544063701	2829.7512874572926	2738.397635815886	2738.459456597226	91.3535461043603	90.2577917975001
612	70	51672	3231.85867307335	873937.3170250766	-100.6854857	354409.0605280901	4337674.01612321	2875.734293841123	2827.809911	2736.5532691043755	2738.54744802246	91.2566241270442	89.26514624809429
613	70	51673	3297.85867307335	873937.3170250766	-100.6831585	354611.0900471758	4337670.08046621	2855.870854	2825.870854	2735.3252520889414	2738.3246616190606	90.840577077859	87.156217765937
614	70	51674	3363.85867307335	873937.3170250766	-100.6808313	354811.1194262584	4337666.09935128	2876.5456716159684	2822.9347715859476	2734.1973040850818	2739.0306947364506	90.840735312939	84.90470489409696
615	70	51675	3429.85867307335	873937.3170250766	-100.67849041	355012.1486639224	4337662.181759862	2874.52206344206	2822.002187488945	2733.08955209396	2740.25666000174	89.91313226	81.74652146820335
616	70	51676	3495.85867307335	873937.3170250766	-100.676179	355213.1777609131	4337658.1381572345	2868.85967462723	2820.0735140498164	2731.66731411779	2741.9279083174	88.4019983274428	78.14605617644228
617	70	51677	3561.85867307335	873937.3170250766	-100.6738497	355414.2067173447	4337654.15730842	2867.74458147188	2818.147840905044	2730.2277709721843	2736.767308	87.870113287012	81.38080478048435
618	70	51678	3627.85867307335	873937.3170250766	-100.6715225	355615.2353369043	4337650.17749473	2853.674028001146	2816.222877714489	2728.364637608045	2730.71483740526	87.95010564587	83.25008397396321
619	70	51679	3693.85867307335	873937.3170250766	-100.6691953	355816.2642098882	4337646.197312011	2849.91628673407	2814.297270648768	2726.267196519616	2728.628126688584	87.025009714841	85.6691408
620	70	51680	3759.85867307335	873937.3170250766	-100.6668881	356017.2927462291	4337642.214701751	2848.9921711701296	2812.3752378168774	2723.9438063603203	2725.680568695243	84.4826571565716	86.76943212762308
621	70	51681	3825.85867307335	873937.3170250766	-100.6645049	356218.321429189	4337638.237774245	2848.060573291847	2810.451275823587	2721.579579286266	2722.570132620451	88.077584334373	87.88691396190734
622	70	51682	3891.85867307335	873937.3170250766	-100.6622136	356419.3450016427	4337634.258240054	2847.143926751737	2808.4513841201	2719.524582896112	2719.958948675586	89.022564690744	88.586180656114
623	70	51683	3957.85867307335	873937.3170250766	-100.6600094	356620.3735176164	4337630.282612984	2846.285838514452	2807.1801323391	2717.6465286967	2717.6465286967	84.887173985519	84.887173985519
624	70	51684	4023.85867307335	873937.3170250766	-100.6575592	356821.40549712884	4337625.29964276	2845.1613724736762	2804.740887271602	2717.9662875091087	2718.2505678070807	87.139976249327	86.4901020072124
625	70	51685	4089.85867307335	873937.3170250766	-100.655232	357022.43332760045	4337622.30619834	2844.6358434955405	2802.848344955405	2716.146930985945	2716.45944220874	86.701258398645	86.49900427466673
626	70	51686	4155.85867307335	873937.3170250766	-100.6529048	357223.461038764	4337618.31768341	2843.1339172740963	2800.962605911623	2712.81079145611	2712.82236041993	85.126884555139	84.1400014916913
627	70	51687	4221.85867307335	873937.3170250766	-100.6505776	357424.48860184365	4337614.36309197	2844.623614477455	2799.084803774325	2710.354914531281	2710.386488175653	88.72898935	88.6987561986719
628	70	51688	4287.85867307335	873937.3170250766	-100.6482504	357625.5160267032	4337610.34850189	2848.6159403195	2797.2149462926013	2710.27434202953	2710.446652230306	86.9370327	86.7662906030075
629	70	51689	4353.85867307335	873937.3170250766	-100.6459532	357826.5433135648	4337606.40635058	2846.68953632156	2795.35328914403	2710.17333891268	2712.17333891268	83.5489811462693	83.5489811462693
630	70	51690	4419.85867307335	873937.3170250766	-100.643699	358027.5652521506	4337602.428	2850.617302179394	2822.52742	2716.1670922391	2716.1670922391	84.0847518167349	79.351094578167349
631	70	51691	4485.85867307335	873937.3170250766	-100.6412688	358228.5974352585	4337598.451320916	2848.12656388956	2821.6537349361724	2715.09343560788	2716.5949608768583	76.5591973738452	75.0587740593145
632	70	51692	4551.85867307335	873937.3170250766	-100.6389416	358429.6244774954	4337594.473230972	2860.231420581967	2799.815257968267	2716.4630307330807	2718.6794719571	75.3127216031	71.13530171430569
633	70	51693	4617.85867307335	873937.3170250766	-100.6366144	358630.6511848065	4337590.49470318	2861.320247150096	2797.9837982077715	2717.3977104238675	2722.09755852454	75.0860877830408	65.8662136
634	70	51694	4683.85867307335	873937.3170250766	-100.6342872	358831.6778476427	4337586.517251748	2862.40968888307	2796.158098555164	2717.718114837594	2720.55114313226	65.870844219381	65.870844219381
635	70	51695	4749.85867307335	873937.3170250766	-100.63196	359032.7024747002	4337582.539394452	2862.250261620796	2794.34024919533	2710.471450730365	2710.471450730365	65.8383242	65.8383242
636	70	51696	4815.85867307335	873937.3170250766	-100.6296384	359233.7356178164	4337578.56297284	2862.250261620796	2794.34024919533	2710.471450730365	2710.471450730365	64.887173985519	64.887173985519
637	70	51697	4881.85867307335	873937.3170250766	-100.6273056	359432.764762163	4337574.58584454	2860.160558132257	2798.1095438584	2715.61918100855	2715.61918100855	65.0513615127887	65.0513615127887
638	70	51698	4947.85867307335	873937.3170250766	-100.6249784	359635.7828181804	4337570.60919174	2858.100549105586	2798.91601681151	2714.3500665357737	2714.3500665357737	64.5693515	64.5693515
639	70	51699	5013.85867307335	873937.3170250766	-100.6226512	359836.806731281	4337566.6331855	2855.99951292143	2797.1185531578003	2712.7545975400885	2712.66689894814	63.56356171718	64.44886326
640	70	51700	5079.85867307335	873937.3170250766	-100.620324	360037.38451831376	4337562.65621008	2853.166053959177	2795.7426305705914	2711.6381556784017	2711.6381556784017	62.6864502751264	63.8060518003168
641	70	51701	5145.85867307335	873937.3170250766	-100.6179968	360238.8601649358	4337562.596982584	2850.33395958672	2773.534178387728	2710.83995986626	2710.83995986626	61.770844116455	62.8775130989171
642	70	51702	5211.85867307335	873937.3170250766	-100.6156966	360439.8856762041	4337562.70329174	2847.499136522592	2771.7467503262592	2710.34036060094	2709.897728163263	61.8494721932938	61.8494721932938
643	70	51703	5277.85867307335	873937.3170250766	-100.6133824	360640.904150863	4337562.81649639	2846.68953632156	2795.35328914403	2710.17333891268	2712.17333891268	61.8494721932938	61.8494721932938
644	70	51704	5343.85867307335	873937.3170250766	-100.6110152	360841.932934905	4337562.73547615	2846.66558132257	2798.1095438584	2715.61918100855	2715.61918100855	60.8513615127887	60.8513615127887
645	70	51705	5409.85867307335	873937.3170250766	-100.608868	361042.9631981854	4337562.77681774	2845.93588889513	2796.40252156849	2709.476081167937	2708.896482095767	59.7284404055534	57.50597060105227
646	70	51706	5475.85867307335	873937.3170250766	-100.606308	361243.9863171104	4337558.80146303	2833.44545	2764.62716779647	2708.63293	2708.63293	56.6415478026416	56.6415478026416
647	70	51707	5541.85867307335	873937.3170250766	-100.6040336	361445.0112093626	4337554.826824032	2831.234662646397	2762.85576540474	2707.8829644390317	2707.8829644390317	55.57092403390317	55.57092403390317
648	70	51708	5607.85867307335	873937.3170250766	-100.601704	361646.039127951	4337550.851192325	283					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatElevLogs.ft	SatElevBoth.ft
727	51787	108218.85867307335	873973.91720250766	39.7556941542831	-100.178586	377526.5812861442	43273127.397394114	2708.505729383103	2651.924858937192	2617.259150523999	2617.7074317589423	3466570911393316	34217.42805428988
728	51788	108078.85867307335	873973.91720250766	39.7556204234962	-100.1155314	377277.59592188055	4327314.416341541	2703.2802634868103	2650.582639348103	2615.6102108405184	2616.610737403018	343972.7593200437	3450521.30934045404
729	51789	108068.85867307335	873973.91720250766	39.7554548492074	-100.132463	377158.6169187187	4327299.449638311	2699.2427092898658	2641.006261493174	2614.422769714537	2615.422769714537	34523444.79976569	3481981095741302
730	51790	110818.85867307335	873973.91720250766	39.7554701161173	-100.110871	378129.6248047903	4327549.4475807	2647.9038417842245	2612.531883544825	2612.53188354091986	35.7457260596814	35.09084313549424	
731	51791	110858.85867307335	873973.91720250766	39.755395377258	-100.408549	378330.6391245406	4327301.534228023	2687.260535391595	2646.56155524606	2611.1068605866685	2611.445373512973	35.4529049373756	35.120782011362855
732	51792	111118.85867307335	873973.91720250766	39.755320098332	-100.406227	378531.65329125116	4327315.573871551	2681.3484048582825	2645.2260356009896	2609.810611513535	2610.4579445563457	34.90472670885674	
733	51793	111218.85867307335	873973.91720250766	39.7552438324394	-100.4038956	378732.66734121385	4327316.338809079	2675.4382815256627	2643.879388166986	2609.398258222695	2609.42327382964	34.8411623447127	33.954565739156235
734	51794	11238.85867307335	873973.91720250766	39.75551672	-100.401564	378933.6812746333	4327189.63368019	2669.524154592497	2642.530290464146	2609.6013909083167	2610.1107374298626	32.92163813805291	32.41229161655201
735	51795	113468.85867307335	873973.91720250766	39.755090175474	-100.3992415	379134.669187187	4327318.52728854	2667.123774	2642.530290464146	2609.6013909083167	2610.1107374298626	32.92163813805291	32.41229161655201
736	51796	114158.85867307335	873973.91720250766	39.7551260325555	-100.3959141	379335.7057269676	4327317.3418553	2665.223136129325	2642.530290464146	2610.1107374298626	2610.1107374298626	32.92163813805291	32.41229161655201
737	51797	114158.85867307335	873973.91720250766	39.7554632678571	-100.3945869	379335.7057269676	4327317.3418553	2665.223136129325	2642.530290464146	2610.1107374298626	2610.1107374298626	32.92163813805291	32.41229161655201
738	51798	115148.85867307335	873973.91720250766	39.7554701161173	-100.392597	379335.7057269676	4327317.3418553	2665.223136129325	2642.530290464146	2610.1107374298626	2610.1107374298626	32.92163813805291	32.41229161655201
739	51799	116138.85867307335	873973.91720250766	39.7554701161173	-100.3899326	379335.7057269676	4327317.3418553	2665.223136129325	2642.530290464146	2610.1107374298626	2610.1107374298626	32.92163813805291	32.41229161655201
740	51800	116798.85867307335	873973.91720250766	39.7554701161173	-100.3876054	380139.764392245	4327318.52728854	2663.95140997473	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
1	51801	-37094.1413	838597.91720250766	39.70589890122625	-102.107358	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
2	51802	-37028.1413	838597.91720250766	39.7109121478363	-102.105032	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
3	51803	-36962.1413	838597.91720250766	39.70937342605944	-102.102705	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
4	51804	-36896.1413	838597.91720250766	39.709624528915	-102.1003783	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
5	51805	-36830.1413	838597.91720250766	39.70987854752964	-102.098015	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
6	51806	-36764.1413	838597.91720250766	39.71001265743719	-102.095747	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
7	51807	-36698.1413	838597.91720250766	39.710367	-102.093379	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
8	51808	-36621.1413	838597.91720250766	39.7107367	-102.091071	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
9	51809	-36544.1413	838597.91720250766	39.7110470541272	-102.088465	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
10	51810	-36500.1413	838597.91720250766	39.711244798178	-102.086414	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
11	51811	-36424.1413	838597.91720250766	39.711327263931	-102.084095	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
12	51812	-36368.1413	838597.91720250766	39.7116207361731	-102.081737	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
13	51813	-36302.1413	838597.91720250766	39.71188819025735	-102.079439	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
14	51814	-36236.1413	838597.91720250766	39.712115194945	-102.07711	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
15	51815	-36161.1413	838597.91720250766	39.7123617502365	-102.074783	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
16	51816	-36086.1413	838597.91720250766	39.712584135	-102.072454	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
17	51817	-36038.1413	838597.91720250766	39.712853152629	-102.070129	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
18	51818	-35972.1413	838597.91720250766	39.713109	-102.0678027	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
19	51819	-35906.1413	838597.91720250766	39.7133434774246	-102.0654758	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
20	51820	-35840.1413	838597.91720250766	39.713587785722	-102.063149	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
21	51821	-35774.1413	838597.91720250766	39.7138314466263	-102.060822	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
22	51822	-35708.1413	838597.91720250766	39.714070541272	-102.058465	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
23	51823	-35642.1413	838597.91720250766	39.7143801142206	-102.056168	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
24	51824	-35576.1413	838597.91720250766	39.714605249276	-102.0538416	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
25	51825	-35501.1413	838597.91720250766	39.714802586229	-102.0515147	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
26	51826	-35444.1413	838597.91720250766	39.715004419812244	-102.0491879	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
27	51827	-35378.1413	838597.91720250766	39.7152853606168	-102.046861	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
28	51828	-35312.1413	838597.91720250766	39.7155620719812	-102.044532	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
29	51829	-35246.1413	838597.91720250766	39.7158406956775	-102.042204	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
30	51830	-35180.1413	838597.91720250766	39.71600651168124	-102.039845	381581.92781845474	4327340.8669039075	2638.338915770707	2634.2192568584173	2604.584640620779	2602.06584640620779	32.92163813805291	32.41229161655201
31	51831	-35114.1413	838597.91720250766	39.71626451668096	-102.0375356	381							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BR ElevLogs.Krg.f	BR ElevLogs.Krg.f	SatHtLogs.f	SatHtBoth.f
113	71	5193	-297021.1413	838597.3170250766	39.17343440735004	-101.846746	254077.541	3398893.921482486	3797.8170237959107	3670.944494931491	3607.3562950915966	3635.6371789893973	63.588199279894525	35.306774477514864
114	71	5194	-296361.1413	838597.3170250766	39.17345461363485	-101.844419	254278.6662445124	339897.8517535356	3801.4254951458453	3668.3024761579223	3598.330703979768	3632.364455997886	69.9717717815454	35.9501916003625
115	71	5195	-295701.1413	838597.3170250766	39.173474724907594	-101.842092	254479.7912712126	339895.7820237778	3789.342310167625	3665.7106230674177	3589.9209185948924	3638.973006349911	75.78993102852522	38.83151371750273
116	71	5196	-295041.1413	838597.3170250766	39.17349489137274	-101.8397651	254786.91605485024	339871.712831217	3971.48647657755313	3663.702604951373	3584.413380888855	3614.679944732691	75.7876236007069	48.49031577170202
117	71	5197	-294381.1413	838597.3170250766	39.173514962835704	-101.8374831	254882.0406563225	339867.643839598	3783.63062534213	3660.680120884724	3584.3614202882227	3605.513678212838	76.3187059605146	55.14875306344038
118	71	5198	-293721.1413	838597.3170250766	39.17353498934466	-101.8351111	255083.1649937814	339863.74627196	3775.774782929443	3658.239892697398	3586.79527362624	3615.01876648106	71.44461907117466	43.22141403
119	71	5199	-293061.1413	838597.3170250766	39.17355497090954	-101.8327841	255284.28904849065	339859.505391979	3767.9436085258303	3655.84939779467	3589.409485204806	3622.411387689284	66.4394512589654	33.4301231018324
120	71	5200	-292401.1413	838597.3170250766	39.17357490753038	-101.8304571	255485.4126629616	339855.437139757	3760.710212185863	3650.507843186556	3591.8909410992046	3625.7410720875161	67.7669404060639373	27.7669404060639373
121	71	5201	-291741.1413	838597.3170250766	39.17359479920701	-101.8281301	255686.563440847	339851.368646586	3753.305956757962	3645.214671473852	3594.099911614562	3627.289767568624	71.1473031794685	23.82760102689656
122	71	5202	-291081.1413	838597.3170250766	39.17361445503652	-101.825931	255887.65076402911	339847.200387227	3744.524059340287	3648.964782734557	3595.911715993216	3618.416290473011	53.0556827324215	30.55210368518727
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRElevKgrg.f	BRElevBothKgr.f	SatThcLog.s	SatThcBoth.f	
239	71	52039	-213861.1413	838597.3170250766	39.17562654447367	-101.5535375	279417.4763417211	4339372.5441040825	3535.510386489234	3369.380098007155	3400.281242268467	3403.803758936746	0
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279	71	52079	-187461.1413	838597.3170250766	39.17617311798447	-101.4604521	287461.1582040922	433920.719436538	3436.662761903714	3268.063124106587	3257.573787059013	3169.58836734727367	96.4930740033019
280	71	52080	-186801.1413	838597.3170250766	39.17618583125361	-101.4581249	287662.2458998308	433926.764	3437.9746483407	3265.94502831857	3257.40351006637	3183.934170170126	79.5299454704793
281	71	52081	-186141.1413	838597.3170250766	39.17619781853564	-101.4558923	287863.3345642823	433927.114564788	3436.662761903714	3268.063124106587	3257.573787059013	3169.58836734727367	42.2263844865978
282	71	52082	-185481.1413	838597.3170250766	39.17621116783261	-101.4534708	288064.406641195	433916.67432276	3431.754210904788	3258.2925941773374	3241.40962187325393	3227.72304702330	28.2975560470743
283	71	52083	-184821.1413	838597.3170250766	39.17622382884615	-101.4511438	288265.507328609	433914.63277696	3430.578469109158	3255.720621471433	3235.819414007827	3251.35222689997	19.905648140087123
284	71	52084	-184161.1413	838597.3170250766	39.1762363418883	-101.4488163	288466.5945929788	433910.595901045	3446.963529513426	3253.17209654393	3230.08576878103	3252.288036071905	23.8904077259835
285	71	52085	-183501.1413	838597.3170250766	39.17624891458232	-101.4464892	288667.68124467455	433907.565702307	3443.144637615733	3250.6510402583767	3224.100594887194	3255.65209824077	31.905648140087123
286	71	52086	-182841.1413	838597.3170250766	39.17626139002665	-101.444162	288868.7618681562	4339182.518	3439.3230367039	3248.159966413655	3218.15191276106	3259.5129164490477	20.0805377959593
287	71	52087	-182181.1413	838597.3170250766	39.1762738052177	-101.4418346	289069.8539236356	4339176.47838555	3438.459738037013	3245.7103642881465	3217.030956941858	3264.436492062925	42.2263844865978
288	71	52088	-181521.1413	838597.3170250766	39.1762865077284	-101.4395077	289270.94005125096	4339174.44	3439.3230367039	3248.159966413655	3218.15191276106	3259.5129164	

ix	iy	x	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.	BRIElevKgr.f	BRIElevBoth.f	SurfBoth.f	SatBoth.f	
365	71	52165	-137070.1413	838597.3170250766	39.17710490870305	-01.2603143	34375.95643820043	338863.996597477	334.76136304006635	3201.357516893147	3144.994199704981	3148.142466796036	36.36333172816605	33.215059071171046
366	71	52166	-13004.1413	838597.3170250766	39.17711378311317	-01.2579871	34085.0268869729	338859.91767615	3341.906692898969	3200.6949159322207	3145.7053729758767	31.456744090104	54.9895405684403	58.7322604849897
367	71	52167	-129081.1413	838597.3170250766	39.17712682901654	-01.2566699	305166.977463719	338855.947311339	3340.2909781146625	3139.9953170981684	3147.647198597108	54.7547198597108	58.7322604849897	58.7322604849897
368	71	52168	-128721.1413	838597.3170250766	39.17713141	-01.2533326	303557.16721314087	338851.925267317	3338.6716777631	3139.255017260206	3141.05309060187	51.42.26602180698	58.1951951890456	56.98750743311586
369	71	52169	-128601.1413	838597.3170250766	39.17714015692968	-01.2510054	305558.23708874097	338847.896923268	3337.0258444036663	3138.46687689538	3138.7816898238666	51.6867187805323	58.6851870467272	57.8287089321639
370	71	52170	-127401.1413	838597.3170250766	39.1771486656745	-01.2486782	305759.30677334534	338843.87428726	3335.4342271070369	3137.6277961571286	3138.526246689646	51.36103636	59.1015494708824	58.01695972
371	71	52171	-126741.1413	838597.3170250766	39.17715751	-01.246351	305960.3762671354	338839.850263278	3333.541489363347	3136.7325224636218	3137.084312696245	51.766406849867	57.654261716775	59.8664570232324
372	71	52172	-126081.1413	838597.3170250766	39.17716619209265	-01.2440238	306161.4456	338835.826613282	3331.47459836537	3136.7199470929	3137.07927359284	51.73623140389208	57.9852711164479	58.45305908110822
373	71	52173	-125421.1413	838597.3170250766	39.17717465977534	-01.2416696	306362.51468311384	338829.801	3329.1535517040357	3136.75945968084	3136.75945968084	51.73623140389208	57.9852711164479	58.45305908110822
374	71	52174	-124761.1413	838597.3170250766	39.1771830561372	-01.239393	306563.5837056229	338827.77964813	3328.95905011527	3136.655427784908	3134.862074750629	51.36156119327151	58.0369602378092	56.7095426134891
375	71	52175	-124101.1413	838597.3170250766	39.1771916048268	-01.2370421	306764.652438275	338823.75642719	3325.24943052898	3136.550429035688	3133.535681070034	51.3815898610019	58.9686825826076	54.3453041928703
376	71	52176	-123441.1413	838597.3170250766	39.17720011	-01.2347149	306965.720981105	338819.73387245	3324.021278742687	3131.2665177334963	3131.8687964174	51.39.247333694203	59.93772129075527	51.94178436
377	71	52177	-122781.1413	838597.3170250766	39.17720495410355	-01.2323877	307166.78933434574	338815.710524283	3322.795210714260	3130.951293109125	3130.273614409347	51.32.083211	59.66717051571834	57.86817106522696
378	71	52178	-122121.1413	838597.3170250766	39.1772168354063	-01.2300605	307367.8574962277	338811.687383255	3321.5682145123715	3130.857806109176	3130.1096033544703	51.2685095	61.1481974570569	61.706811116755944
379	71	52179	-121461.1413	838597.3170250766	39.1772253051989	-01.2277333	307568.9254723933	338807.665329662	3318.659597	3130.0776528746	3129.92713026951	51.212403614817864	61.74917947	64.67612982
380	71	52180	-120801.1413	838597.3170250766	39.17723380481626	-01.2254696	307769.902587676	338803.421990158	3314.984761572625	3130.53863227425	3130.6979517154174	51.18.162400343434	61.8408747425271	67.376425834916
381	71	52181	-120141.1413	838597.3170250766	39.1772415858234	-01.2230788	307971.0605565634	338799.620844389	3311.010954489966	3130.716459174781	3131.220339786107	51.14.7347171	61.8991913886736	68.1822885492096
382	71	52182	-119481.1413	838597.3170250766	39.17724974605148	-01.2207516	308172.1283	338795.5986761	3307.033433396926	3130.2226734933847	3131.353391402731	51.11440202032675	67.66928209065354	68.1824732566096
383	71	52183	-118821.1413	838597.3170250766	39.17725788132658	-01.2184244	308373.19548417523	338791.570776052	3303.621068993336	3130.481672537815	3131.64109950639734	51.14.5320241797624	65.8506750994313	65.9293630415417
384	71	52184	-118161.1413	838597.3170250766	39.1772659316507	-01.2160972	308574.2625161119	338787.55544794	3300.776128117473	3130.783045720994	3131.4333459	51.11.37063713473	65.8506750994313	65.9293630415417
385	71	52185	-117501.1413	838597.3170250766	39.17727396	-01.2137699	308775.3296071076	338783.534	3297.926653549886	3130.757518999776	3131.113165354804	51.113437431889863	63.64202044333779	63.449446808189805
386	71	52186	-116841.1413	838597.3170250766	39.17728157445315	-01.2114427	308976.396013693	338779.517230625	3296.079445389894	3130.747175988967	3131.3949343817983	51.11.53073438088	63.422525719871	63.2703225018822
387	71	52187	-116181.1413	838597.3170250766	39.1772894474556	-01.1895121	309178.348548095	338772.39183045	3295.07371630485	3130.7345289387	3130.6345473277	51.2091.74.15054271	51.2091.74.15054271	51.2091.74.15054271
388	71	52188	-115521.1413	838597.3170250766	39.1772976343552	-01.206783	309375.8237655038	338771.40725379	3290.02504564071	3130.7003314152467	3130.7848748416537	51.107.965242582324	61.92515659890567	62.83207114702327
389	71	52189	-114861.1413	838597.3170250766	39.1773056090391	-01.204461	309579.5946807877	338767.47998338	3289.066495971206	3130.738305208434	3130.6389605655513	51.1064.67352098466	62.3483303819197	62.2544869082673
390	71	52190	-114201.1413	838597.3170250766	39.17731340962109	-01.2021338	309780.6078615553	338763.494284005	3287.313925195406	3130.6622004919376	3104.99173248735	51.10.7116383035	61.6364860720244	61.5165221836345
391	71	52191	-113541.1413	838597.3170250766	39.17732116528712	-01.1998066	309981.7264888112	338759.45094568	3284.925545549606	3164.4970314750584	3103.684808063065	51.103.789995055302	60.61222844420376	60.7160819783239
392	71	52192	-112881.1413	838597.3170250766	39.1773288760192	-01.1974794	310182.7922296014	338755.38839825	3282.14928588573	3162.31436958311	3102.379702	51.102.601122023885	59.96193807910195	59.7404143591201
393	71	52193	-112221.1413	838597.3170250766	39.17733654178584	-01.1951251	310383.8574	338751.388811172	3280.166075268746	3160.166075268746	3101.907887666496	51.101.327064188415	59.9688196209567	58.83989438901163
394	71	52194	-111561.1413	838597.3170250766	39.177343277752	-01.193249	310587.3458953575	338747.3458953575	3278.598467273375	3160.166075268746	3101.907887666496	51.101.327064188415	59.9688196209567	58.83989438901163
395	71	52195	-110901.1413	838597.3170250766	39.17735173843906	-01.190477	310785.9875044143	338743.3097584	3276.768877914747	3155.771587688927	3098.3132484005614	51.3098.3413594487	57.658832585331	57.47.4302316
396	71	52196	-110241.1413	838597.3170250766	39.1773592394894	-01.1881705	310987.052296854	338739.32087638	3270.881470795616	3155.550806306444	3096.859254830914	51.3096.908091165347	57.49883147553037	56.5507071899095
397	71	52197	-109681.1413	838597.3170250766	39.1773665305752	-01.1858432	311188.116902371	338735.29042741	3268.0044213958	3151.3374620037152	3095.35228492188	51.3095.623791364716	55.9851707152741	55.7316703000061
398	71	52198	-109021.1413	838597.3170250766	39.177374196314865	-01.183516	311389.1813267985	338731.127133296	3266.12968142229	3149.112637147664	3093.9572708330284	51.3094.0817469707	55.15.19298	55.0310170309569
399	71	52199	-108261.1413	838597.3170250766	39.17738159237086	-01.1811888	311590.2455671048	338727.25257583	3260.276887576846	3148.886654442142	3093.61847816719	51.3092.503687659547	54.53326776659545	54.38305047155505
400	71	52200	-107601.1413	838597.3170250766	39.1773894474556	-01.178816	311781.3096494906	338723.25257583	3258.4142624814388	3144.82484614388	3092.6345473277	51.3091.74.15054271	51.2091.74.15054271	51.2091.74.15054271
401	71	52201	-106941.1413	838597.3170250766	39.1773964962895	-01.1765344	311992.37347128254	338719.142696044	3246.6251777549155	3142.441879303576	3098.96606729801	51.3098.9688172597	54.573272230701	53.5330713088972
402	71	52202	-106281.1413	838597.3170250766	39.17740351083096	-01.1742071	312193.473151623	338715.19652079	3239.7932284336	3140.226564451264	3097.3023199657534	51.3097.348923042	52.9244244779611	52.933251522291494
403	71	52203	-105621.1413	838597.3170250766	39.17741072061636	-01.1718798	312394.506677133	338711.17826257	3238.322824023605	3138.0181062035176	3085.68725379689	51.3085.37107029429	52.64733808238247	52.64733808238247
404	71	52204	-104961.1413	838597.3170250766	39.177417883809	-01.1695526	312595.5636959712	338707.16018137	3236.1956818267236	3135.871819503852	3082.89133003036	51.516862365832527	51.926850801627	51.926850801627
405	71	52205	-104301.1413	838597.3170250766	39.177425942728855	-01.1672254	312766.62780794465	338703.14227703	3236.06839424473	3133.6271007381775	3082.669274433889	51.508082764421205	50.9383302288595	50.9383302288595
406	71	52206	-103641.1413	838597.3170250766	39.17743210612937	-01.164882	312967.600304974	338699.14549793	3235.94178174963	3131.4455848585324	3081.60140033443	51.503261595732526	49.83744875208958	49.83744875208958
407	71	52207	-102981.1413	838597.3170250766	39.17743942577974	-01.162591	313178.62780794465	338695.9162137	3234.952364974713	3131.652364974713	3080.4923971501	51.503261595732526	49.83744875208958	49.83744875208958
408	71	52208	-102321.1413	838597.3170250766	39.17744613	-01.1602437	313399.81537150196	338691.09826171	3232.7784528112963	3127.112763945087	3078.963705184734	51.503261595732526	49.83744875208958	49.83744875208958
409	71	52209	-101661.1413	838597.3170250766	39.17745308060614	-01.1579165	313600.8777663817	338687.07429799	3232.366326429485	3142.963245983				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
491	52291	-47541.14133	838597.3170250766	-17.76972625157	-100.9670821	330067.39012814905	4338358.263747902	31.2811323096138	2969.788269551808	2913.2398481725827	2910.1337537940926	54.54842137922515	59.6545157571522
492	52292	-46861.14133	838597.3170250766	-17.778294176697	-100.9647548	330088.438850315257	4338354.261211011	31.25325717129005	2968.541701695174	2914.1455671283243	2910.978688626740	54.3961335664592	60.7218130684322
493	52293	-46281.14133	838597.3170250766	-17.7787611227008	-100.9624275	330049.4868162297	4338350.258863912	31.26178112127127	2967.258738235586	2913.08013026296	2904.878324289173	54.2457010269591	52.44750030602349
494	52294	-45561.14133	838597.3170250766	-17.779232803999	-100.9610033	330060.5342674083	4338354.256660409	31.28338505	2966.1395617544227	2912.57381161781	2902.06526159423	53.56418058	64.0742658599991
495	52295	-44901.14133	838597.3170250766	-17.7788231867965	-100.957773	330891.5168876087	4338342.254567367	31.26570212671882	2964.984171548622	2911.58719786318	2988.854586356343	53.905597762304296	66.1268311832277
496	52296	-44241.14133	838597.3170250766	-17.778534440604	-100.9554457	331092.628430557	4338325.25261371	31.24111650979213	2963.065069502577	2910.166603	2968.346081856698	53.6834628176778	66.9038476585098
497	52297	-43581.14133	838597.3170250766	-17.7788834518014	-100.9531185	331293.6037332884	4338334.2511705051	31.24462689814244	2962.74454881436	2910.0239941595796	2989.7020519165433	52.70280872185653	63.0419229648922
498	52298	-42921.14133	838597.3170250766	-17.7789129	-100.9507912	331484.7229586695	4338320.249691022	31.1880934703274	2961.66379002201	2911.263395481113	2940.349474757626	50.4903408746754	61.229715264375045
499	52299	-42261.14133	838597.3170250766	-17.7789419187517	-100.9486484	331695.797194824	4338326.248611748	31.2607705720394	2967.248701046592	2912.724671846827	2967.7823782358973	53.5850142686327	52.44750030602349
500	52300	-41601.14133	838597.3170250766	-17.7789074778884	-100.9461367	331896.81625975	4338322.247261719	31.28338505	2959.70394041172	2913.326971473216	2906.303232857514	46.2005625591994	53.26719111566446
501	52301	-40941.14133	838597.3170250766	-17.778985875386	-100.9438094	332097.8627480122	4338316.246310493	31.094247115825556	2958.555635748113	2915.952974	2910.616357423827	46.02261682	47.939278310330636
502	52302	-40281.14133	838597.3170250766	-17.7790254767924	-100.9414822	332289.901161478	4338314.245330419	31.067973871971	2957.563046179571	2914.9813181948034	2916.4511225592314	37.58172800451348	41.1192364008548
503	52303	-39621.14133	838597.3170250766	-17.7790354582831	-100.9391549	332499.9552059903	4338310.244983379	31.0398592598448	2956.589730978571	2912.643419142979	2923.040735297466	31.948311627421787	33.547657259594164
504	52304	-38961.14133	838597.3170250766	-17.779082193639	-100.9368277	332701.0411613872	4338306.244513624	31.01266733062107	2955.63297318583	2913.0944571502	2931.043979409022	29.74142125036196	24.59741291382345
505	52305	-38301.14133	838597.3170250766	-17.779106309217	-100.9345004	332902.04683894148	4338302.244267701	30.985446675261724	2954.699647947177	2936.619271235956	2937.6356203482006	18.07167617461093	17.055327562936363
506	52306	-37641.14133	838597.3170250766	-17.77911323929624	-100.9321731	333103.0925312535	4338298.244197948	30.96832919900346	2953.765421650638	2932.875500877674	2933.921855767056	20.88902717325147	19.84356594233323
507	52307	-36981.14133	838597.3170250766	-17.779157805478	-100.9298459	333304.1380044413	4338294.244304357	30.943604766509	2952.8592288473	2925.170129683804	2925.8516190793966	27.68579318589354	27.0043030833935
508	52308	-36321.14133	838597.3170250766	-17.7791828	-100.9275186	333505.183299614	4338292.244698185	30.92146254515964	2951.962215845709	2918.9046661720895	2919.2274338585402	30.7545972	32.734727570337
509	52309	-35661.14133	838597.3170250766	-17.77920278192106	-100.9251913	333706.22841899237	4338286.245045675	30.9042841454684	2951.084046193593	2914.430007444434	2914.6378089006203	36.65403384915924	36.4462363929728
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512	52312	-33681.14133	838597.3170250766	-17.77927612517574	-100.9182095	334308.3625236845	4338272.247478359	30.8717817613124	2948.542251257056	2911.730091840472	2911.9136862345936	38.61249543548596	36.62856059000816
513	52313	-33021.14133	838597.3170250766	-17.77929832722628	-100.9165878	334510.370887372	4338270.27978584	30.871462889126145	2947.248017184692	2911.509303124496	2911.903170356465	38.8490719845707	35.2728234885095
514	52314	-32361.14133	838597.3170250766	-17.779323105353	-100.913555	334711.451671780026	4338266.24981061	30.8630585584431	2946.920862849297	2914.155943948536	2912.542219210828	37.7641888442515	32.52864363461745
515	52315	-31701.14133	838597.3170250766	-17.779344427197	-100.9112278	334912.4957273196	4338262.251496467	30.8572818032927	2946.19841585854	2915.2358589506496	2915.50459259020357	30.89423268082906	28.9423268082906
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517	52317	-30381.14133	838597.3170250766	-17.779372067975	-100.9065732	335314.5399496357	4338254.25425	30.8332367752737	2944.580422891287	2915.556670237571	2915.8201633303665	29.02375265	28.7602298792058
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519	52319	-29061.14133	838597.3170250766	-17.779438165796	-100.9021817	335716.370887372	4338246.258481748	30.81094065849975	2943.361952	2914.025794815587	2914.025794815587	28.619716851364	28.619716851364
520	52320	-28401.14133	838597.3170250766	-17.779474714873	-100.8995914	335917.714	4338242.26171463	30.79528054211942	2942.30941000000	2912.647845971294	2913.383094357808	26.9166710619087	27.925327352427
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522	52322	-27081.14133	838597.3170250766	-17.779485035281	-100.8949369	336319.8003573525	4338234.2628647	30.77630670984114	2940.813693	2911.457306120598	2910.825321300766	29.5586205300766	28.7283173694908
523	52323	-26421.14133	838597.3170250766	-17.779503704627	-100.8920696	336520.8422930445	4338230.26958162	30.75020666	2940.066309267988	2911.434801583725	2912.094515754395	29.06750768066034	27.971391362911
524	52324	-25761.14133	838597.3170250766	-17.779521041736	-100.8902824	336712.889412296	4338226.273050854	30.7382673373781	2939.316199965285	2910.987772859175	2911.63778390974	28.3284711055348	27.6834195745459
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527	52327	-23781.14133	838597.3170250766	-17.7795716557622	-100.8833006	337322.9103223217	4338214.28343769	30.70581457370045	2937.026832311518	2911.755042999887	2911.9652511578884	26.5712824316391	25.61076702326339
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530	52330	-21801.14133	838597.3170250766	-17.7796182247308	-100.8763188	337928.138766129	4338202.29535369	30.64164846	2934.6271916552673	2909.56091842985	2909.6312815754706	25.06782471228245	24.9963497799672
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535	52335	-18501.14133	838597.3170250766	-17.7796864820735	-100.8646824	338933.3453077013	4338182.318771831	30.54046489895727	2930.212528	2909.6312815754706	2909.6312815754706	25.06782471228245	24.9963497799672
536	52336	-17841.14133	838597.3170250766	-17.7796992552926	-100.8623552	339134.3861	4338178.32383135	30.54046489895727	2929.25795065293	2909.5187163372498</			

ix	iy	icat	X.E	Y.E	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKrg.f	BR ElevBothKrg.f	SatElevKrg.f	SatElevBoth.f
617	71	52417	3616.8586730335	385957.3170250766	-0.1792088370438	-0.06738466	355418.1899576844	4337855.329691796	2863.67635	27.317202555298	2730.418653	2738.2531448058426	27.31254911359792	79.47805717349527
618	71	52418	3617.8586730335	385957.3170250766	-0.1791843527736	-0.06751913	355619.2162058599	4337851.34916812	2856.627072876116	2815.808351599673	2728.0988811574307	2734.59686671467	28.01794044225658	81.257489225055
619	71	52419	3618.8586730335	385957.3170250766	-0.1791594181875	-0.06761993	355820.2467034474	4337847.368953242	2848.184936889757	2813.84938653786	2727.78652073733	2734.5783684578452	28.01794044225658	82.304963682827
620	71	52420	3759.8586730335	385957.3170250766	-0.1791340434477	-0.0666848	356021.2750574595	4337853.3891	2852.393713864023	2811.9662112663927	2728.315389644033	2728.165373055287	28.01794044225658	83.80083821110566
621	71	52421	3825.8586730335	385957.3170250766	-0.179110820123856	-0.06645373	356222.3033	4337839.409405094	2851.9821166910405	2810.050339693841	2724.616261722769	2725.667041025873	28.01794044225658	84.3832968544517
622	71	52422	3891.8586730335	385957.3170250766	-0.1790819184793	-0.06622102	356423.313467604	4337835.42935302	2848.10631304156	2808.140631304156	2722.885617008738	2723.406530256555	28.01794044225658	84.7561900012809
623	71	52423	3957.8586730335	385957.3170250766	-0.1790551861971	-0.0659883	356624.35928245843	4337831.44987888	2848.2813751075004	2806.2378105705004	2721.382127148026	2721.382127148026	28.01794044225658	84.8478628544517
624	71	52424	4023.8586730335	385957.3170250766	-0.179020043914	-0.06575557	356825.307971274	4337827.474097308	2848.981164130212	2804.341311708291	2721.373842	2719.5222319357884	28.01794044225658	84.81899754963247
625	71	52425	4098.8586730335	385957.3170250766	-0.1790003750316	-0.06552912	357026.4417369731	4337823.8196449	2848.161544445987	2802.451655	2717.112043671956	2717.112043671956	28.01794044225658	84.81899754963247
626	71	52426	4155.8586730335	385957.3170250766	-0.1789772222119	-0.0652912	357227.442256191	4337819.15248055	2848.3395059419376	2800.451655	2715.1825907061	2715.1825907061	28.01794044225658	85.15403938201285
627	71	52427	4212.8586730335	385957.3170250766	-0.1788436183765	-0.06505739	357426.4686370066	4337815.53325407	2850.20740019376	2798.69436418948	2714.71119525139	2714.71119525139	28.01794044225658	85.358251701658
628	71	52428	4278.8586730335	385957.3170250766	-0.1787814919407	-0.06482467	357629.496796904	4337811.555	2854.762396624627	2796.827546	2715.8420727162198	2715.8420727162198	28.01794044225658	85.358251701658
629	71	52429	4353.8586730335	385957.3170250766	-0.1787885325207	-0.06459194	357830.524	4337807.57419994	2859.13830430492	2794.9621088945	2717.2641508394976	2717.2641508394976	28.01794044225658	85.358251701658
630	71	52430	4419.8586730335	385957.3170250766	-0.17875543735634	-0.06439291	358031.55105005266	4337803.59812789	2863.874714947142	2793.118105093064	2717.05304570587	2717.05304570587	28.01794044225658	85.358251701658
631	71	52431	4485.8586730335	385957.3170250766	-0.1787251450275	-0.06412649	358232.571450275	4337799.62	2868.52587684947	2792.772205743677	2715.919897025295	2715.919897025295	28.01794044225658	85.358251701658
632	71	52432	4551.8586730335	385957.3170250766	-0.1787043671102	-0.0638978	358433.004571925	4337795.6407304	2867.27283830497	2789.420918122314	2717.646454372324	2717.646454372324	28.01794044225658	85.358251701658
633	71	52433	4617.8586730335	385957.3170250766	-0.178673136997	-0.06366104	358634.6311264059	4337791.64308509	2868.01869937918	2787.61692242878	2717.77244373821	2717.77244373821	28.01794044225658	85.358251701658
634	71	52434	4683.8586730335	385957.3170250766	-0.1787314625699	-0.06342831	358835.6574417266	4337787.6817854	2868.765111482334	2785.960338167932	2717.915532720204	2717.915532720204	28.01794044225658	85.358251701658
635	71	52435	4749.8586730335	385957.3170250766	-0.17869933601144	-0.06319558	359036.683250244	4337783.79032469	2868.221986706606	2783.982284136608	2717.327924995675	2716.577366326114	27.64294916374059	86.404455039671
636	71	52436	4815.8586730335	385957.3170250766	-0.17866675993364	-0.06296286	359237.709696304	4337783.72064746	2868.328556169113	2782.1744068769655	2715.849770876655	2715.849770876655	28.01794044225658	86.404455039671
637	71	52437	4881.8586730335	385957.3170250766	-0.17863373433375	-0.06273013	359438.739977214	4337775.75	2864.555664255133	2780.37162485152	2714.8141623243982	2714.8141623243982	28.01794044225658	86.404455039671
638	71	52438	4947.8586730335	385957.3170250766	-0.1786002591174	-0.06249741	359639.1638495827	4337771.78110856	2862.724003433584	2778.753892	2713.9194317531165	2713.9194317531165	28.01794044225658	86.404455039671
639	71	52439	5013.8586730335	385957.3170250766	-0.1785673467379	-0.06226912	359840.7848742458	4337763.984213042	2862.128392082194	2775.9105192194	2713.021932082194	2713.021932082194	28.01794044225658	86.404455039671
640	71	52440	5079.8586730335	385957.3170250766	-0.1785319604004	-0.06203195	360041.8131847064	4337763.82457105	2858.67010089233	2774.991401053585	2711.643191212377	2710.853225296119	28.01794044225658	86.404455039671
641	71	52441	5145.8586730335	385957.3170250766	-0.1784971367117	-0.06179923	360242.8386424475	4337759.8484976	2856.57832461247	2773.2057374833125	2710.909992286704	2710.909992286704	28.01794044225658	86.404455039671
642	71	52442	5211.8586730335	385957.3170250766	-0.17846196350116	-0.0615665	360443.864	4337755.8230438	2854.4861582433	2771.42284626398	2710.432421202626	2710.432421202626	28.01794044225658	86.404455039671
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644	71	52444	5343.8586730335	385957.3170250766	-0.1783989681542	-0.06110105	360845.91423141054	4337747.92049369	2846.34513368504	2767.866302055868	2708.510507948523	2708.510507948523	28.01794044225658	86.404455039671
645	71	52445	5409.8586730335	385957.3170250766	-0.1783653467379	-0.06086852	361046.939157281	4337743.94784514	2844.615144445987	2766.962619815987	2708.832717831883	2708.832717831883	28.01794044225658	86.404455039671
646	71	52446	5475.8586730335	385957.3170250766	-0.1783327740017	-0.06063546	361248.96742458	4337739.7522694	2842.884972522694	2764.92347894234	2707.955077012342	2707.955077012342	28.01794044225658	86.404455039671
647	71	52447	5541.8586730335	385957.3170250766	-0.1782975462064	-0.06040287	361448.988609757	4337735.93821663	2840.9509125309	2762.5574042799603	2707.891300745544	2707.891300745544	28.01794044225658	86.404455039671
648	71	52448	5607.8586730335	385957.3170250766	-0.1782607842797	-0.06017015	361650.01322175	4337731.0918128	2838.410524	2760.79851834732	2707.113428623644	2706.647555269174	28.01794044225658	86.404455039671
649	71	52449	5673.8586730335	385957.3170250766	-0.1782280364171	-0.05993742	361851.035097449	4337728.044	2837.6709438107	2759.481689076873	2705.987135503439	2705.987135503439	28.01794044225658	86.404455039671
650	71	52450	5739.8586730335	385957.3170250766	-0.1781834950334	-0.0597047	362052.0617346133	4337724.09080905	2838.93147510122	2757.3101822596	2704.7742077694866	2704.7742077694866	28.01794044225658	86.404455039671
651	71	52451	5805.8586730335	385957.3170250766	-0.1781421761281	-0.05947197	362253.0886367124	4337720.904	2840.471578460473	2755.9595373	2703.348462745255	2702.634206987987	28.01794044225658	86.404455039671
652	71	52452	5871.8586730335	385957.3170250766	-0.17810084070136	-0.0592324	362454.108705027	4337716.10383742	2842.128392082194	2753.9105192194	2701.570113150305	2701.570113150305	28.01794044225658	86.404455039671
653	71	52453	5937.8586730335	385957.3170250766	-0.1780641897536	-0.05900552	362654.32374289175	4337712.148	2843.841245433026	2752.26318746506	2699.94226594163	2699.94226594163	28.01794044225658	86.404455039671
654	71	52454	6003.8586730335	385957.3170250766	-0.178032522846	-0.05877379	362856.157445310	4337708.17169042	2845.551037769363	2750.642483907494	2697.840744319677	2697.840744319677	28.01794044225658	86.404455039671
655	71	52455	6069.8586730335	385957.3170250766	-0.17799624052948	-0.05854107	363057.1810335406	4337704.19776403	2846.186880324653	2749.125491632455	2696.500827446515	2696.500827446515	28.01794044225658	86.404455039671
656	71	52456	6135.8586730335	385957.3170250766	-0.177960387838	-0.05830834	363258.204489278	4337700.2240326	2846.742560733307	2747.650466373307	2694.288578915613	2694.288578915613	28.01794044225658	86.404455039671
657	71	52457	6201.8586730335	385957.3170250766	-0.1779248722504	-0.0580762	363459.2278177597	4337696.25	2845.292638281274	2746.25898660497	2692.62442368711	2692.62442368711	28.01794044225658	86.404455039671
658	71	52458	6267.8586730335	385957.3170250766	-0.1778875371992	-0.05784289	363660.2510041952	4337692.27088321	2844.85139810734	2744.526342	2691.26919201415	2691.26919201415	28.01794044225658	86.404455039671
659	71	52459	6333.8586730335	385957.3170250766	-0.1778506371992	-0.05761015	363861.261033742	4337688.46821341	2843.962638922873	2742.59590110725	2689.8496701132867	2689.8496701132867	28.01794044225658	86.404455039671
660	71	52460	6399.8586730335	385957.3170250766	-0.1778134091578	-0.05737744	364062.3969015278	4337684.3801158	2843.071370310484	2742.401724664925	2688.43037024697	2688.43037024697	28.01794044225658	86.404455039671
661	71	52461	6465.8586730335	385957.3170250766	-0.1777760263417	-0.05714471	364263.319787928							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kft	BR/ElevBothrk.kft	SatHtLogs.kft	SatHtBothrk.kft
3	72	52543	-369621.1413	839257.3170250766	39.17274982947346	-102.1027375	231966.3257064924	434053.982199268	406.119924217185	3822.8062381834507	3784.884913427193	3784.935082599047	67.923247562549	67.85272988403374
4	72	52544	-369691.1414	839257.3170250766	39.1727497974191	-102.1004106	232157.4786426982	434059.2824595745	402.870004178333	3851.6393	3775.572418961717	3779.611305005005	71.8635448504298	71.82543343706963
5	72	52545	-369741.1414	839257.3170250766	39.17280093553475	-102.0881284	232365.5430827792	434055.803	402.6309632063407	3850.816380402124	3773.537345738354	3773.537345738354	76.53803373800693	76.53803373800693
6	72	52546	-369741.1414	839257.3170250766	39.17280514615457	-102.0957568	232559.7845112365	434057.219321791	402.671159111284	3848.439317	3777.552911838314	3776.329515400571	81.13100096	81.35443073159392
7	72	52547	-369681.1414	839257.3170250766	39.17280516183413	-102.0934299	232760.9365105826	434057.61234249085	402.65434416737	3847.302633	3761.8663936264234	3761.529096737284	85.43616973273674	85.7374466262
8	72	52548	-369631.1414	839257.3170250766	39.17287513253721	-102.0911031	232962.0886254855	434055.133530807	402.85792363005	3845.91768864998	3756.4801905002576	3756.151137245698	89.40275447044704	89.80205143002055
9	72	52549	-369661.1414	839257.3170250766	39.17290005837174	-102.0887762	233163.24034924878	434059.446471318	402.86264039646	3844.5297727301924	3751.392516252541	3751.0255413226496	93.13726098	93.50427891
10	72	52550	-369561.1414	839257.3170250766	39.1729349329695	-102.0864493	233364.39185105398	4340505.367184596	404.6178407209478	3843.138978724986	3746.530191636853	3746.121727193223	96.06878108813061	97.0127150066364
11	72	52551	-369491.1414	839257.3170250766	39.1729497514701	-102.0842224	233565.5430827792	434051.269393741	401.6703816150215	3841.745239405787	3741.686476714036	3741.189436846695	100.0586529175087	100.56848332111732
12	72	52552	-369361.1414	839257.3170250766	39.17295452613286	-102.0817555	233765.6940511295	434049.1810412763	401.47694885956	3840.348818003977	3736.885135278735	3736.1834257119704	103.4653041552241	104.16532291147327
13	72	52553	-3693021.1414	839257.3170250766	39.1729931215962	-102.0794688	233967.8476977956	4340493.09222565	400.875428	3838.944981023524	3737.9334931891613	3737.9334931891613	101.0159949110947	101.46532291147327
14	72	52554	-369261.1414	839257.3170250766	39.173024013254796	-102.0774147	234168.9952144998	434049.04089056	400.572631426774	3837.54740327817	3740.48344512953	3740.48344512953	97.0630581482775	97.24293276280454
15	72	52555	-3691701.1414	839257.3170250766	39.17304869409156	-102.0748148	234370.1535434022	434049.971231473	400.474118697316	3836.14263349066	3742.35348559242	3742.35348559242	93.95058982888884	93.95058982888884
16	72	52556	-3691041.1414	839257.3170250766	39.17307328062265	-102.0724879	234571.2953128203	434048.429584999	399.9475929697816	3834.735257018423	3743.719326107247	3743.719326107247	91.0153046767857	91.0153046767857
17	72	52557	-3690381.1414	839257.3170250766	39.17309784689254	-102.070161	234772.4446695233	434047.628562589	399.674717128316	3833.2523381240015	3743.8941957588804	3743.8941957588804	84.3114237	89.92484439
18	72	52558	-359721.1413	839257.3170250766	39.1731223622686	-102.0678341	234973.5945773536	434047.765041746	399.347505208157	3831.9128053011735	3745.8353200126257	3743.126133450816	86.077485484771	88.785291110189
19	72	52559	-3596061.1414	839257.3170250766	39.173146844417506	-102.0650572	235174.7348567473	434046.658005157	399.108301462077	3830.49721	3746.050497624562	3742.45143505809	87.2327299413792	88.0525776
20	72	52560	-358401.1414	839257.3170250766	39.17317176067116	-102.0618033	235375.89250087734	434046.481	3989.288328	3829.078197	3747.71836529882	3747.71836529882	83.5963214691805	83.5963214691805
21	72	52561	-357741.1414	839257.3170250766	39.173195662575618	-102.0608534	235577.04059354676	434046.394479116	3987.483743134127	3825.2209147	3748.1637816589464	3738.81096917834	86.848133054	87.8713054
22	72	52562	-357081.1414	839257.3170250766	39.1732200414298	-102.0585265	235778.189203901	434046.307712547	3985.698821371427	3826.20164	3748.086676114723	3737.640465281765	88.7596981	88.7596981
23	72	52563	-356421.1414	839257.3170250766	39.1732443007916	-102.0561996	235918.3973727101	434046.122165849	3983.549402352865	3824.7819340256406	3747.680786170363	3734.3641392033435	90.171485527077	90.171485527077
24	72	52564	-355761.1414	839257.3170250766	39.1732655240516	-102.0538727	236198.48518481405	434048.13552106	3981.044802217367	3823.341947932875	3746.44007	3729.897373023335	96.892875911649	93.4442159
25	72	52565	-355091.1414	839257.3170250766	39.17328673270077	-102.051265	236498.5273023505	434044.944949628	3978.7986989305	3803.471912	3744.224512532328	3758.971010517236	94.1914602954652	94.4465019774044
26	72	52566	-354441.1414	839257.3170250766	39.17331692100016	-102.049218	236582.780036024	434043.96378148	3976.035455990297	3824.67760380508	3742.975874654805	3737.058160980336	75.5877291502747	102.87974340017217
27	72	52567	-353781.1414	839257.3170250766	39.17334103786164	-102.046892	236783.927067678	434043.98191228	3973.752920885234	3819.036055053317	3740.356644	3709.5631978706843	76.678612594754	109.4704175364673
28	72	52568	-353121.1414	839257.3170250766	39.173365190780754	-102.0445561	236985.073836537	434043.792773168	3971.61299796058	3817.601647679107	3738.52599310236	3701.490119356033	80.0194037	116.111528230738
29	72	52569	-352461.1414	839257.3170250766	39.173389136758864	-102.0422381	237186.2203483606	434043.70573318	3969.6296786808	3816.172001448018	3734.981569677389	369.9345675475632	81.190431706285	116.111528230738
30	72	52570	-351801.1414	839257.3170250766	39.17343118795494	-102.0399112	237387.36659746978	434043.62200411	3967.56805758995	3814.7439707573926	3732.5194038797135	3707.857365963612	82.224568770884	108.88831610313
31	72	52571	-351141.1414	839257.3170250766	39.17345073269775	-102.0375843	237588.5126892652	434043.67680741	3965.371776683598	3813.71746635958	3731.5786636747625	3725.088995498498	84.111989789745	98.228372770884
32	72	52572	-350481.1414	839257.3170250766	39.17347440955892	-102.035251	237789.654144431	434044.92309558	3964.321577770095	3811.89349025968	3731.512303929292	3701.1511539211	84.386311509192	104.16532291147327
33	72	52573	-349821.1414	839257.3170250766	39.17348479527775	-102.0329305	237990.8038827467	434043.78389595	3962.844566077605	3810.4723943144036	3733.343121539054	3732.525694145633	71.73028216049815	87.3210248994027
34	72	52574	-349161.1414	839257.3170250766	39.1735086	-102.0306035	238191.94099114434	434047.26043934	3961.3673403764527	3809.0606022299063	3738.324544799254	3739.78074998087	69.08525717972939	89.08525717972939
35	72	52575	-348501.1414	839257.3170250766	39.173532354866325	-102.028276	238393.0403990104	434043.19989072	3959.25507805893	3807.641821	3740.15488808346	3746.845635735893	67.4680535867405	69.796191052085
36	72	52576	-347841.1414	839257.3170250766	39.17355606725297	-102.0259497	238594.2387920203	434039.15912024	3956.50899	3806.20378800360	3743.567772513923	3740.97020490232	62.6620628632925	57.16017385938267
37	72	52577	-347181.1414	839257.3170250766	39.17357973489781	-102.023628	238795.3859155242	434036.521144996	3954.7624968199667	3804.821773597743	3745.2994689719667	3738.1252373417054	59.9251266797604	66.4924645603733
38	72	52578	-346521.1414	839257.3170250766	39.1736033270077	-102.021265	238996.5273023505	434039.944949628	3953.471912	3803.471912	3744.224512532328	3758.971010517236	94.1914602954652	94.4465019774044
39	72	52579	-345861.1414	839257.3170250766	39.1736290476181	-102.0189689	239197.6714242717	434036.86505781	3952.405834991605	3802.021317	3741.47530872185	3743.7326628830123	60.543064576498	45.6774743545474
40	72	52580	-345201.1414	839257.3170250766	39.17365047638093	-102.016642	239398.8148959592	434032.781800356	3946.091332744358	3900.636115691059	3738.383375234554	3739.049703962485	62.24777816760343	47.13452264224439
41	72	52581	-344541.1414	839257.3170250766	39.17367395505805	-102.014315	239598.95829106305	434037.968719437	3945.7530579695	3909.2491	3750.822332361226	3741.20823634884	48.42271771236735	70.74007171236735
42	72	52582	-343881.1414	839257.3170250766	39.17369739779312	-102.0119881	239801.10147793762	434037.615823155	3941.3563284112944	3907.6749759932084	3738.181948466258	3748.616318956725	66.4902753	49.25865703648287
43	72	52583	-343221.1414	839257.3170250766	39.1737307958613	-102.0096611	240002.2443679614	434033.10340493	3938.34931239644	3796.50816268167	3738.650646281474	3735.851189083232	68.28155169834954	50.8729735249348
44	72	52584	-342561.1414	839257.3170250766	39.1737441484396	-102.0073422	240233.3865739325	434036.540556272	3936.74026390517	3792.41071796316	3725.51454176248	3745.17403395496	68.6373346	50.017403636803
45	72	52585	-341901.1414	839257.3170250766	39.173768036099774	-102.005048	240469.660290958	434032.944949628	3935.471912	3803.471912	3744.224512532328	3758.971010517236	94.1914602954652	94.4465019774044
46	72	52586	-341241.1414	839257.3170250766	39.17379279191213	-102.002683	240605.61397330294	434035.296	3927.4005848237	3792.45517452434	3741.47530872185	3743.7326628830123	60.543064576498	45.6774743545474
47	72	52587	-340581.1414	839257.3170250766	39.1738138733638	-102.000354	240806.8132461346	434035.204	3923.84174234258	3791.21395640066	3730.346488978167	3752.444658345595	77.74060671219493	38.6767371055077
48	72	52588	-339921.1414											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BREIElevKgr.ft	BREIElevKgr.ft	SatThKLog.s	SatThKBoth.r
129	72	52669	-286461.1413	839257.3170250766	39.17556482723074	-101.8095392	257299.58934359487	4340020.091280527	3712.9314106562397	3633.2690431540345	3607.6841466201818	3619.0821682053756	25.58489653385277	14.186874948658897
130	72	52670	-285801.1413	839257.3170250766	39.1755643049511	-101.8072122	257500.7055981616	4340016.04180916	3706.1951222971716	3627.3672226129158	3609.7215212502406	3612.62270156113976	21.845701562675185	18.745174201518193
131	72	52671	-285141.1413	839257.3170250766	39.1756038232152	-101.8048651	257701.8315306442	4340011.9672603636	3707.467834142966	3629.491488534343	3611.708942420853	3604.2766649378667	17.7900554378967	25.21542212853319
132	72	52672	-284481.1413	839257.3170250766	39.17562320100222	-101.8025581	257902.95272527	4340007.859519373	3627.6380680675943	3631.6738954061965	3613.817985003046	3603.8086674363044	14.02062177452035	23.82093431212097
133	72	52673	-283821.1413	839257.3170250766	39.1756425383722	-101.800231	258104.0728	4340003.823967429	3714.031258	3625.80653268132	3615.921767984373	3612.406298723905	8.84855843758885	13.400027804227193
134	72	52674	-283161.1413	839257.3170250766	39.17563186172646	-101.7993039	258305.19302701452	4339999.57574693	3717.312970294518	3623.990637856446	3618.057825	3612.406298723905	5.931281290809636	35.19849556252226
135	72	52675	-282501.1413	839257.3170250766	39.17568112466992	-101.7955769	258506.31304541964	4339995.691371158	3717.64513692536	3622.186905444861	3620.3195039625452	3624.941831831183	1.8674505623155414	0
136	72	52676	-281841.1413	839257.3170250766	39.17570034267525	-101.7932498	258707.43282647357	4339991.625346813	3715.02858438035	3620.391396818979	3621.381602455535	3624.066790251265	0	0
137	72	52677	-281181.1413	839257.3170250766	39.17571951671831	-101.7906227	258908.5525659482	4339987.56	3712.4117631833347	3619.599495414288	3621.631286	3619.26452923061	0	0
138	72	52678	-280521.1413	839257.3170250766	39.1757384325218	-101.7885957	259107.671677105	4339983.493385686	3709.734957920304	3618.809543904555	3621.326341343643	3615.573147330937	12.233962737409114	0
139	72	52679	-279861.1413	839257.3170250766	39.17576572695809	-101.7862868	259310.7907315979	4339984.423848884	3706.166571963896	3615.008191755604	3620.636283839668	3615.961811820239	1.1685799354013388	0
140	72	52680	-279201.1413	839257.3170250766	39.17577651519009	-101.7839415	259511.9095573086	4339975.363041252	3701.5266653015015	3613.199235	3619.6481941016764	3609.435818807616	3.7598526675383255	0
141	72	52681	-278541.1413	839257.3170250766	39.17579575846703	-101.7816145	259713.02814509685	4339971.297912776	3696.88576863466	3611.374156577795	3618.065444074991	3609.4600260217995	11.909414935784753	0
142	72	52682	-277881.1413	839257.3170250766	39.17581470678897	-101.7792874	259914.146495166	4339962.232363453	3692.2468519679714	3609.523829494948	3615.828552522438	3609.5618692813166	10.266460213178107	0
143	72	52683	-277221.1413	839257.3170250766	39.1758339101678	-101.7769603	2600115.26460772034	4339963.168193273	3694.3843697939938	3607.5655456358487	3615.828542303365	3601.534769622346	6.124049839614178	0
144	72	52684	-276561.1413	839257.3170250766	39.17585246859451	-101.7746333	260316.3824829676	4339959.103802233	3703.299312113253	3605.750345286314	3611.124604981118	3604.339840114385	1.4105051719284347	0
145	72	52685	-275901.1413	839257.3170250766	39.17587128207809	-101.7723062	260517.6001211108	4339955.09190324	3712.2142544325125	3603.8077610535106	3609.507989240881	3605.5957206927985	0	0
146	72	52686	-275241.1413	839257.3170250766	39.175897050601547	-101.7699791	260718.91752235598	4339950.974957338	3721.1291957617727	3601.82367596466	3608.2021170393175	3606.32778241885	0	0
147	72	52687	-274581.1413	839257.3170250766	39.17590872420665	-101.767652	260919.73486860962	4339946.910308369	3722.5865720892903	3599.7948242925418	3607.3909187716795	3606.695590335562	0	0
148	72	52688	-273921.1413	839257.3170250766	39.17592745285155	-101.7652349	261120.8516149708	4339943.847029311	3716.5863804450664	3597.718974552225	3607.242952600026	3607.13327923185	0	0
149	72	52689	-273261.1413	839257.3170250766	39.1759460650519	-101.7629979	261321.96830674987	4339938.78333857	3715.5861888084417	3595.599564747592	3609.472595395853	3607.7233958175	0	0
150	72	52690	-272601.1413	839257.3170250766	39.175964675302495	-101.7606708	261523.0847624507	4339934.781971498	3704.585991586174	3593.420837104183	3608.21544154666	3608.756478444323	0	0
151	72	52691	-271941.1413	839257.3170250766	39.17598321910844	-101.7583627	261738.0989276287	4339930.656402928	3703.429187387571	3592.430646734984	3607.586140743932	3608.19532731584	0	0
152	72	52692	-271281.1413	839257.3170250766	39.17600171796795	-101.7560166	261925.3169654797	4339925.53	3695.316365392293	3588.933830252877	3602.734302512162	3603.263597948539	0	0
153	72	52693	-270621.1413	839257.3170250766	39.17602071186105	-101.7535895	262126.4371513312	4339922.530324924	3691.1366784423786	3586.623749106548	3596.528905366786	3606.910309202125	0	0
154	72	52694	-269961.1413	839257.3170250766	39.17603858084775	-101.7513625	262327.5482285705	4339918.467542881	3686.95967405528	3584.27383697497	3591.032949565192	3591.21777443585	0	0
155	72	52695	-269301.1413	839257.3170250766	39.17605948678789	-101.7490354	262528.6560595444	4339914.404921895	3681.1646019509126	3581.887874410366	3587.440138897801	3596.950895934761	0	0
156	72	52696	-268641.1413	839257.3170250766	39.176075263941506	-101.7467083	262729.77855048917	4339910.32479962	3674.759521558534	3579.469657675286	3588.132726534051	3586.369504066293	0	0
157	72	52697	-267981.1413	839257.3170250766	39.17609353889856	-101.7443812	262939.893598115	4339906.2862178785	3668.945441168154	3578.7228482851447	3585.622668216655	3585.784651170145	0	0
158	72	52698	-267321.1413	839257.3170250766	39.17611776724899	-101.7420451	263132.0790338315	4339902.17811772489	3659.2010118048132	3577.586140743932	3584.50552495484	3575.2823631114	0	0
159	72	52699	-266661.1413	839257.3170250766	39.17612995	-101.739727	263333.1227405293	4339898.156228419	3658.27263837057	3572.057104451117	3579.6773064800536	3584.485520216957	0	0
160	72	52700	-266001.1413	839257.3170250766	39.17614800977894	-101.7373999	263534.2364802153	4339894.0945006125	3644.324274	3569.5430306204935	3576.73287340026	3576.53253222185	0	0
161	72	52701	-265341.1413	839257.3170250766	39.1761661851193	-101.7350728	263735.350525352	4339890.032963343	3670.3790959249443	3567.011275657563	3573.434718932015	3583.114759504174	0	0
162	72	52702	-264681.1413	839257.3170250766	39.17618423451301	-101.7327457	263936.46399133105	4339885.971808085	3676.4275451038866	3564.464232352514	3569.574460737308	3583.5208059976974	0	0
163	72	52703	-264021.1413	839257.3170250766	39.17620223895874	-101.7304186	264137.577399667	4339881.910387329	3678.672037	3561.3039722334868	3566.094375470157	3580.882611351714	0	0
164	72	52704	-263361.1413	839257.3170250766	39.176221280456	-101.728015	264328.6989767267	4339879.794387571	3679.3545734984	3562.41088930524	3567.2283561114	3581.5283631114	0	0
165	72	52705	-262621.1413	839257.3170250766	39.17623811301319	-101.7257644	264539.83079051916	4339873.78856805	3680.28691327067	3556.7509295090954	3559.327979584273	3585.956969019574	0	0
166	72	52706	-262041.1413	839257.3170250766	39.17625598261955	-101.7234373	264740.91621423967	4339869.728	3680.6203335005503	3554.1694176891483	3557.372414952747	3567.67584662007	0	0
167	72	52707	-261381.1413	839257.3170250766	39.17627380727899	-101.7211102	264942.026879685	4339865.667	3678.717140431976	3551.5835125137332	3554.8588598955948	3566.30478565172	0	0
168	72	52708	-260721.1413	839257.3170250766	39.17629156999151	-101.7187831	265143.140923114	4339861.607138372	3674.578235950085	3548.996157393662	3552.858535841096	3565.2646140217766	0	0
169	72	52709	-260061.1413	839257.3170250766	39.17630932175701	-101.716456	265344.25329384997	4339857.547023489	3670.40393086018	3546.406328033124	3550.44073033124	3589.4398193879456	0	0
170	72	52710	-259401.1413	839257.3170250766	39.17632011575596	-101.7141289	265545.34075154893	4339853.487087568	3666.2986257786294	3543.813917589613	3547.9314175614472	3564.461108098954	0	0
171	72	52711	-258741.1413	839257.3170250766	39.17633917509198	-101.711918	265746.4272005037	4339849.4723005918	3664.885423600007	3542.71942814078	3544.778482413934	3564.47249305162	0	0
172	72	52712	-258081.1413	839257.3170250766	39.17636225673199	-101.7094747	265957.587549041	4339845.7675551	3654.5057171346254	3541.21862522238	3541.14862576408	3564.12125769894	0	0
173	72	52713	-257421.1413	839257.3170250766	39.17637981134869	-101.7071476	266148.698537361	4339841.308534498	3648.022803414686	3542.032668881916	3538.858812697545	3563.8542645662643	0	0
174	72	52714	-256761.1413	839257.3170250766	39.176397321378836	-101.7048205	266349.809568772	4339837.429133271	3641.53853496746	3533.4244302299344	3535.734449132698	3563.1451417928417	0	0
175	72	52715	-256101.1413	839257.3170250766	39.1764147846179	-101.7024934	266550.9202930746	4339833.19	3634.18895618388	3530.823799525808	3532.5123791502856	3559.531601133034	0	0
176	72	52716	-255441.1413	839257.3170250766	39.17643220569753	-101.701663	266752.030518648	4339831.12129662	3625.971018309612	3528.22156025529	3529.269673738556	3558.40714048622	0	0
177	72	52717	-254781.											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRIElevLogs.kg	BRIElevBoth.kg	SatThkLogs.	SatThkBoth.
256	72	52795	-203031.1413	839257.3170250766	39.17766631489436	-101.5163213	282639.03891747554	339509.045846288	507.746661	3372.7563789477504	3349.6181041620252	0	0
256	72	52796	-202641.1413	839257.3170250766	39.17768015874509	-101.5139481	282840.13241118296	339505.012734562	3305.51321089563	3327.827943874203	3368.997384566918	3348.6671382117574	0
257	72	52797	-201881.1413	839257.3170250766	39.1776956559156	-101.5116669	283041.22479074054	339503.865878938	3325.272895678084	3334.43844476777	3343.43844476777	3312.627877168997	0
258	72	52798	-201321.1413	839257.3170250766	39.1777077	-101.5093397	283242.3165653526	339482.196276242	3301.046311192075	3308.736627744706	3360.88340445643524	3331.24211821870	0
259	72	52799	-200661.1413	839257.3170250766	39.17772138883030	-101.5070125	283443.408088257	339482.86626489	3499.35254838648	3320.158808022335	3355.26056	3333.553250409897	0
260	72	52800	-200001.1413	839257.3170250766	39.177725033291505	-101.5046853	283644.5006456255	339484.7625259	3498.19858188233	3371.59758915314	3350.3714185699923	3329.0485928173	0
261	72	52801	-199341.1413	839257.3170250766	39.17774863280293	-101.5023581	283835.59217157034	339484.78108361	3497.044571249995	3351.03024602514	3344.447818	3326.0414628338	0
262	72	52802	-198681.1413	839257.3170250766	39.17776217363461	-101.500039	284046.6834834525	339480.737580847	3495.890576281743	3312.456828051645	3337.70211925451094	3327.70211925451094	0
263	72	52803	-198021.1413	839257.3170250766	39.17778695679565	-101.4977193	284247.7747289473	339479.872562512	3491.904682794077	3309.872729851164	3335.415867330316	3312.627877168997	0
264	72	52804	-197361.1413	839257.3170250766	39.17778915163871	-101.495375	284448.8654965858	339472.651107746	3485.095467702711	3307.29174731256	3330.483322686543	3304.125104	0
265	72	52805	-196701.1413	839257.3170250766	39.17780258135106	-101.4930493	284649.8564123935	339484.78088141544	3478.2798646113433	3304.700367498973	3325.573705076039	3326.3794396211592	0
266	72	52806	-196041.1413	839257.3170250766	39.17781559611359	-101.4907221	284851.0460382312	339464.565351595	3471.466380519976	3304.1024765182826	3319.7012297452593	3314.0512599303639	0
267	72	52807	-195381.1413	839257.3170250766	39.177829258926265	-101.4883499	285052.368353154	339460.522739897	3466.1169504215635	3309.506831745194	3314.7174968320414	3312.627877168997	0
268	72	52808	-194721.1413	839257.3170250766	39.17784257078905	-101.4860677	285253.2268905306	339456.48036437	3463.115801719942	3309.90604275096	3310.330348338135	3326.693156205001	0
269	72	52809	-194061.1413	839257.3170250766	39.1778588107194	-101.4837405	285454.3167	339452.438051212	3459.8196713136472	3304.371755285675	3306.3372121881557	3326.2305305339	0
270	72	52810	-193401.1413	839257.3170250766	39.1778695656491	-101.481413	285655.406335782	339449.4805791212	3456.5240344403086	3291.6811581100217	3301.7380974482335	3323.792558047372	0
271	72	52811	-192741.1413	839257.3170250766	39.17788215567792	-101.4790861	285856.495733501	339444.350474295	3453.414879248777	3289.0882510315287	3297.07628738282	3321.288332	0
272	72	52812	-192081.1413	839257.3170250766	39.17789526074054	-101.4767589	286057.5802544584	339440.312354858	3450.492455118115	3286.48794197805	3292.3533110556595	3316.98877886534	0
273	72	52813	-191421.1413	839257.3170250766	39.17790823061696	-101.4744317	286258.6739064173	339436.362192488	3447.570032174846	3283.88031930004	3287.603498472153	3210.619111236628	0
274	72	52814	-190761.1413	839257.3170250766	39.17792133601396	-101.4721405	286459.7626786734	339432.22948315	3444.647681787807	3281.27968128478	3282.838602406515	3317.868633777518	0
275	72	52815	-190101.1413	839257.3170250766	39.17793430229971	-101.4697773	286660.8132272266	339428.18	3444.253723119431	3278.67996096461	3278.0348372176095	3319.74963072256494	0
276	72	52816	-189441.1413	839257.3170250766	39.17794721217291	-101.4674051	286861.935956164	339424.172545288	3446.385719170151	3276.081571605939	3273.9994949	3317.868633777518	0
277	72	52817	-188781.1413	839257.3170250766	39.17796011185054	-101.465129	287027.1546193755	339419.581948034	3443.320841217687	3274.52783175487	3276.107584589265	3319.74963072256494	0
278	72	52818	-188121.1413	839257.3170250766	39.17797294716818	-101.4627597	287264.1155655656	339416.06	3450.657819672077	3270.89289434912	3265.079210011356	3317.868633777518	0
279	72	52819	-187461.1413	839257.3170250766	39.17798574	-101.4604685	287465.20337578154	339412.0253001265	3452.481731486108	3268.304334654895	3261.48696626105	3317.868633777518	0
280	72	52820	-186801.1413	839257.3170250766	39.17799848	-101.4581413	287666.29086436	339407.985004968	3453.59517638198	3265.7231973030475	3256.47044646022	3319.74963072256494	0
281	72	52821	-186141.1413	839257.3170250766	39.17801118355512	-101.4558141	287867.3781878647	339405.3422948875	3455.008239715316	3253.152394550064	3251.432426579698	3322.161505559316	0
282	72	52822	-185481.1413	839257.3170250766	39.17802383911703	-101.4534868	288068.4652802617	339399.940549079	3457.020694424	3260.99473605888	3245.4275474525593	3328.3569127663704	0
283	72	52823	-184821.1413	839257.3170250766	39.178036494972687	-101.451169	288289.5952163734	339394.829859129	3458.00268279699	3258.05693298942	3245.05693298942	3328.3569127663704	0
284	72	52824	-184161.1413	839257.3170250766	39.1780491539025	-101.4488324	288470.783083879175	339391.824590171	3455.942735376758	3254.59125174575	3249.50125174575	3328.3569127663704	0
285	72	52825	-183501.1413	839257.3170250766	39.17806153610113	-101.4465052	288671.7250353043	339387.78602118	3448.896589540044	3253.030561385725	3228.901505640959	3266.2847937791976	0
286	72	52826	-182841.1413	839257.3170250766	39.17807401186191	-101.444178	288872.8115563669	339384.746974776	3445.343720760047	3250.5694310667764	3223.167217315927	3262.117046348023	0
287	72	52827	-182181.1413	839257.3170250766	39.178086642472324	-101.4418508	289073.8976139976	339379.707926462	3443.532076006042	3248.15527336021	3217.500766	3256.042692579655	0
288	72	52828	-181521.1413	839257.3170250766	39.17809882853545	-101.4395236	289274.9835564855	339375.6995425	3443.661644453955	3245.801288716692	3209.331645377983	3267.494132	0
289	72	52829	-180861.1413	839257.3170250766	39.1781116944821	-101.4371963	289476.06919142755	339371.63026928	3443.39122839688	3243.51621560044	3201.629496891627	3327.9202707010007	0
290	72	52830	-180201.1413	839257.3170250766	39.17812346570745	-101.434891	289677.1546193755	339367.591948034	3443.320841217687	3241.52783175487	3276.107584589265	3319.74963072256494	0
291	72	52831	-179541.1413	839257.3170250766	39.17813671641626	-101.4325419	289876.2398333806	339363.53120405	3440.517030839658	3239.22595442204	3318.591331802286	3317.868633777518	0
292	72	52832	-178881.1413	839257.3170250766	39.178147922474594	-101.4302147	290079.3248527213	339359.51534015	3434.97820127552	3237.2508449080506	3313.33650344685	3248.18078693136	0
293	72	52833	-178221.1413	839257.3170250766	39.1781603638247	-101.4278875	290280.4096583315	339352.447374225	3429.442613231139	3235.4136725575645	3312.169334019108	3221.693338156848	0
294	72	52834	-177561.1413	839257.3170250766	39.178172199739876	-101.4255602	290487.4942593726	339351.439572338	3423.9054043547267	3234.71349737203	3314.647353365925	3319.74963072256494	0
295	72	52835	-176901.1413	839257.3170250766	39.17818422709671	-101.42323	290681.5786530466	339347.014984950	3423.967166404367	3232.217147101518985	3316.474794793775	3318.591331802286	0
296	72	52836	-176241.1413	839257.3170250766	39.17819625073031	-101.420958	290883.6624052252	339343.364502828	3423.02789830272	3230.8770214042068	3312.16734359891	3314.717695246994	0
297	72	52837	-175581.1413	839257.3170250766	39.17820927650392	-101.418679	291089.7502919515	339339.536270524	3422.13287091456	3229.536816276284	3312.16734359891	3314.717695246994	0
298	72	52838	-174921.1413	839257.3170250766	39.17822021486386	-101.4162513	291285.8306	339335.290145353	3419.945363319405	3228.7017777553	3314.669621960323	3315.454713305495	0
299	72	52839	-174261.1413	839257.3170250766	39.178232106268396	-101.4139241	291486.8141681966	339331.253233635	3418.2444643451916	3227.840920498206	3312.6770558702297	3315.05505996874	0
300	72	52840	-173601.1413	839257.3170250766	39.1782436272225	-101.4115969	291687.99753311917	339327.124649911	3415.187375958393	3227.1092681352075	3316.083246195274	3318.980258576823	0
301	72	52841	-172941.1413	839257.3170250766	39.17825574252546	-101.4092697	291889.0806929078	339323.18	3412.103340227552	3226.48788043254	33167.250213	3302.289368481774	0
302	72	52842	-172281.1413	839257.3170250766	39.17826751	-101.406924	292090.1636477333	339319.134566438	3410.0237234971953	3225.95870885023	3314.0644011409195	3312.16536904417	0
303	72	52843	-171621.1413	839257.3170250766	39.1782792287681	-101.4046152	292291.2569786258	339315.107396968	3408.52782628897	3225.60478090588	3310.82225504176	3314.717695246994	0
304	72	52844	-170961.1413	839257.3170250766	39.1782913903025	-101.402228	292492.3289435015	339311.071344873	3403.9613786407234	3225.112515688326	3317.868633777518	3303.87573894406	0
305	72	52845	-170301.1413	839257.3170250766	39.17830251073127	-101.3999607	292693.81412847933	339307.03501038	3401.003999520534	3224.77080835456	3313.985480933736	3319.74963072256494	0
306	72	52846	-169641.1413	839257.3170									

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRrElevLogKrg	BRrElevLogKrg	SatHLogKrg	SatHLogKrg
372	52921	-120.141.1413	839257.3170250766	38.17905423252411	-101.2230989	30795.0871474586	33900.831500426	3312.75637368545	3148.9041695695951	3117.4711828731174	3117.0909254371004	67.4328262347405	67.81324025949107
382	52922	-119.841.1413	839257.3170250766	38.1790523925725	-101.220762	308176.1543967217	33899.8035008197	3308.008025058197	3113.5635488981	3113.195263734479	3113.745281635964	67.2305267450226	67.4325672541187
383	52923	-119.841.1413	839257.3170250766	38.1790509549165	-101.184348	308377.221433582	33899.827815017	3308.88939901978	3111.372945304817	3113.71185311081	3113.709730349417	68.2896515480871	68.2896515480871
384	52924	-118.161.1413	839257.3170250766	38.1790757869695	-101.2161075	308578.28028185255	33898.765541076	3303.183718033917	3119.571159016454	3114.981261908105	3114.25708136368	65.12903263537487	65.2609064200686
385	52925	-117.501.1413	839257.3170250766	38.1790065454343	-101.2137802	308779.3548414169	33898.6743909323	3300.477496730162	3117.583934177528	3113.0802483207653	3113.0802483207653	64.50368585676279	64.4963438142222
386	52926	-116.841.1413	839257.3170250766	38.1790045516766	-101.2114529	308980.4214132537	33898.7254450055	3307.71275102641	3117.559974265791	3111.55288236346	3111.60836648131	64.04715472944508	64.04715472944508
387	52927	-116.181.1413	839257.3170250766	38.179102520839635	-101.2091256	309181.4876975656	33898.76177818	3294.860458244008	3117.565194179384	3109.898151429713	3109.927137696198	63.6204728601272	63.6305651179033
388	52928	-115.521.1413	839257.3170250766	38.17911041155933	-101.2067984	309382.5537394475	33897.7268007818	3291.74560806809	3117.486213236883	3108.239705683765	3108.239705683765	63.2542734640543	63.23015737630835
389	52929	-114.861.1413	839257.3170250766	38.17911657232672	-101.2044711	309683.5291944444	33897.851555955	3288.33112712169	3108.368308723237	3108.71884220824	3108.717335017654	62.8494585150321	62.8575375306175
390	52930	-114.201.1413	839257.3170250766	38.17912030411854	-101.2021438	309754.6842741693	33896.638140414	3285.51534595083	3116.712243997545	3105.22552366994	3105.376556614274	61.8596673852021	61.8596673852021
391	52931	-113.541.1413	839257.3170250766	38.17913381400455	-101.1998165	309885.705063866	33896.6178245895	3281.968292070427	3103.7737010703556	3103.97041623899	3103.97041623899	61.61084256	61.61084256
392	52932	-112.881.1413	839257.3170250766	38.17914152491496	-101.1974892	310186.81631345005	33896.59452023	3277.98845848162	3162.836280514826	3102.36814494083	3102.6068841102	60.4681357384303	60.2276030356539
393	52933	-112.221.1413	839257.3170250766	38.17913510973034	-101.1951619	310387.8814763811	33896.527238741	3269.06149223783905	3100.96267419969	3101.313906831076	3101.313906831076	59.65455458421346	59.74145347349834
394	52934	-111.561.1413	839257.3170250766	38.17915681187873	-101.1928347	310588.9464543165	33895.557202729	3260.029950765051	3109.3843661582267	3109.55611822787	3109.996601312438	58.7341941282954	58.7341941282954
395	52935	-110.901.1413	839257.3170250766	38.179165738750201	-101.1905074	310790.0112456163	33894.537434981	3256.72395305211	3156.1297177124975	3108.10591692583	3108.622022967338	58.01891261032145	57.91695451876224
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404	52944	-104.961.1413	839257.3170250766	38.1792305455217	-101.1695618	312599.5880382086	33890.36509085	3238.226950966884	3135.817392193148	3108.240833114943	3108.101628636770	51.80546104373498	51.7121635367404
405	52945	-104.301.1413	839257.3170250766	38.17923767608086	-101.1672345	312800.84882191	33890.34804534	3238.326276990113	3142.84746052677	3108.397405662776	3108.397405662776	50.58859274066558	50.58859274066558
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412	52952	-99.6891.1413	839257.3170250766	38.17929630109954	-101.1509435	314208.0845932204	33887.622689171	3248.49171525229	3118.319909535752	3107.3415533040103	3107.444540441937	45.0783621334698	42.8753691243906
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419	52959	-95.061.1413	839257.3170250766	38.17933272746349	-101.1346524	315615.5111086147	33885.13899749	3244.021199468467	3104.0713689243612	3106.1453125151947	3106.74243832024	42.920564094348	42.920564094348
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422	52962	-93.081.1413	839257.3170250766	38.1793519493304	-101.1276705	316218.6910396204	33883.6810396204	3238.001953354733	3108.194991905194	3105.805103081384	3105.795429047484	42.9988862781359	40.9609089478456
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425	52965	-91.101.1413	839257.3170250766	38.17937076067846	-101.1206886	316821.8666978584	33882.0432366802	3234.665092781284	3102.91937048028	3105.795429047484	3105.795429047484	42.9988862781359	40.9609089478456
426	52966	-90.441.1413	839257.3170250766	38.179376949130564	-101.1183613	317022.9288004025	33882.00960134	3234.649					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevLogKrg.ft	SatHtElevLogKrg.ft	SatHtElevLogKrg.ft
507	72	53047	-36981.14133	839257.3170250766	39.17972844	-100.9298491	33308.14114257844	4338495.432672055	302.252858311387	292.5931551672606	2920.3771008892166	2921.1470849143625	32116.04630904403	31.44660752898153
508	72	53048	-36321.14133	839257.3170250766	39.17973054079964	-100.9257218	33309.1862176525	4338491.43306747	309.457158372386	291.724532589531	2913.309496971884	2913.6585794813154	38.4105313747666	38.0659365
509	72	53049	-35641.14133	839257.3170250766	39.17973128211865	-100.9251945	33310.23211901676	4338487.433044428	309.611458411634	290.6702114426634	2909.97584916039	2911.810342691	41.884622308551	41.652717151927
510	72	53050	-35050.14133	839257.3170250766	39.17973578573864	-100.9226761	33311.2759703074	4338483.434	306.865785453685	290.03014	2906.805785453685	2907.1218853054685	43.1493028096449	42.90825185126564
511	72	53051	-34341.14133	839257.3170250766	39.17974381600757	-100.9205398	334112.3206840874	4338479.434506977	308.5883970884316	2949.20413403676	2906.645040058327	2906.93131363924	42.5687338201487	42.27280323746736
512	72	53052	-33681.14133	839257.3170250766	39.17974407662381	-100.9182125	334313.3654051674	4338475.43533731	308.832295703486	2948.2917520511697	2907.4287557343564	2907.7515425126	40.639467604035	40.639467604035
513	72	53053	-33021.14133	839257.3170250766	39.179744748218594	-100.9158852	334514.0438093863	4338471.436334796	308.04752052521397	2947.592311661424	2908.7463551750834	2909.101441133794	38.8459564834104	38.49039754804016
514	72	53054	-32361.14133	839257.3170250766	39.179744748218594	-100.9135578	334715.4534717464	4338467.43751517	308.3131452434974	2946.8052543330427	2910.331371274263	2910.7043687237394	34.147400561641	36.1008569030353
515	72	53055	-31701.14133	839257.3170250766	39.17974716554763	-100.9112265	334916.497432773	4338463.438687808	308.6217465216257	2946.02981424322	2911.61172184638	2912.008989	34.178789759271	34.01874235111311
516	72	53056	-31041.14133	839257.3170250766	39.17974742329192	-100.9098032	335117.5412536914	4338459.440398746	308.77150154277	2945.2642021463394	2912.04389623964	2912.5087907802627	33.2201575026737	32.7543007
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518	72	53058	-29721.14133	839257.3170250766	39.17975343	-100.9042486	335519.6283919674	4338451.44389436	307.459172665067	2943.759172665067	2912.728644158505	2913.1468546447545	31.030528349216183	30.74121802301218
519	72	53059	-29061.14133	839257.3170250766	39.179755433763745	-100.9019212	335719.7617270289	4338447.446	307.290271899127	2943.0165712554194	2912.3301689565525	2912.818641635315	30.68624858686882	30.1979296210378
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521	72	53061	-27741.14133	839257.3170250766	39.17975932650744	-100.8972666	336212.7598917293	4338439.450997382	307.280154	2941.541889250198	2911.5583815990667	2911.5583815990667	29.96330789	29.2773984047161
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523	72	53063	-26421.14133	839257.3170250766	39.17976291723635	-100.8926119	336524.83425106	4338431.45605023	306.8759342402385	2940.070636136733	2912.082874	2912.082874	29.8786166427974	27.46529748429387
524	72	53064	-25761.14133	839257.3170250766	39.17976477	-100.8902486	336725.8856135855	4338427.458991423	306.775141807635	2939.3316194191325	2912.251303271736	2912.754533083329	27.9807619591589	26.5772861150364
525	72	53065	-25101.14133	839257.3170250766	39.17976609082446	-100.8879573	336926.9283003053	4338423.46105833	306.61395451928	2938.58740977845	2912.614401012713	2913.1047046473283	25.97300465131622	25.4869030516472
526	72	53066	-24441.14133	839257.3170250766	39.1797618818152	-100.88563	337127.97054143215	4338415.4640118385	306.451235894293	2937.8352494347977	2913.001214002644	2913.001214002644	24.83431094115394	24.57191956073678
527	72	53067	-23781.14133	839257.3170250766	39.17976893042707	-100.8830326	337302.0125930649	4338411.467811338	306.2704854235828	2937.079383071294	2913.016973610819	2913.186360994864	24.05696509426273	23.887577706388493
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531	72	53071	-21141.14133	839257.3170250766	39.179775849873864	-100.8739934	338133.1792	4338399.440511073	304.717018007183	2933.8770121939724	2906.0511164285485	2905.69058696030	22.8258957642366	28.76653037854745
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533	72	53073	-19821.14133	839257.3170250766	39.179773987595	-100.8693837	338535.2619781875	4338391.49387871	304.156943029047	2932.156455219303	2900.357887922226	2900.357887922226	21.30460732039275	21.30460732039275
534	72	53074	-19161.14133	839257.3170250766	39.17978006744666	-100.8670114	338736.302534756	4338387.49900471	304.146905301313	2931.255633622887	2907.4280221381837	2907.129614093813	33.82763112241005	33.82763112241005
535	72	53075	-18481.14133	839257.3170250766	39.17978135009081	-100.8646841	338937.3431115528	4338383.50205104	304.127656485681	2930.293781124087	2906.885321124087	2906.885321124087	33.2726982341222	33.2726982341222
536	72	53076	-17841.14133	839257.3170250766	39.1797826777739	-100.8620438	339138.5934920438	4338379.53849885	303.9375046970296	2931.73311675127	2900.357887922226	2900.357887922226	31.155152	31.155152
537	72	53077	-17181.14133	839257.3170250766	39.17978376043741	-100.8600294	339334.4241168407	4338375.51324986	303.5356139225046	2928.381620358575	2909.55173699566	2908.600318189485	33.240234965003	33.240234965003
538	72	53078	-16521.14133	839257.3170250766	39.17978480193854	-100.8577701	339590.46473445965	4338371.518662032	303.322084773247	2928.1030749436	2908.883586773285	2908.883586773285	37.4895163016587	37.7880170759496
539	72	53079	-15861.14133	839257.3170250766	39.1797860399676	-100.8553748	339741.5049	4338367.52425173	302.861395495629	2926.328405584572	2902.877966756576	2901.380140526489	33.4840891688065	33.4840891688065
540	72	53080	-15201.14133	839257.3170250766	39.17978708846055	-100.8530474	339923.544900671	4338363.530043905	302.817236799699	2925.2534399516033	2901.89704402151	2901.89704402151	33.35643994545236	33.35643994545236
541	72	53081	-14541.14133	839257.3170250766	39.17978801774181	-100.8507201	340134.5847496767	4338359.5388496258	302.487396462584	2924.743187981915	2915.4559505411554	2915.685679462833	33.8911332410518	33.8911332410518
542	72	53082	-13881.14133	839257.3170250766	39.17978920939395	-100.848329	340334.6244238376	4338351.54251044	302.307656485681	2923.12323514525	2909.70115	2909.70115	33.2726982341222	33.2726982341222
543	72	53083	-13221.14133	839257.3170250766	39.1797899261284	-100.8460555	340545.6639049885	4338351.54834958	302.05596162278	2921.84564525932	2909.45464525932	2909.45464525932	31.937351848615	31.937351848615
544	72	53084	-12561.14133	839257.3170250766	39.17979087070754	-100.8437381	340746.703627267	4338347.555	302.07356041237	2920.659042185712	2908.33415632436	2909.36270464719	33.240234965003	33.240234965003
545	72	53085	-11901.14133	839257.3170250766	39.1797910378938	-100.8414108	340947.742689709	4338343.561439441	301.81624181212376	2919.4516552912823	2903.798122431507	2904.44433128013	33.2583258973515	33.2583258973515
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547	72	53087	-10581.14133	839257.3170250766	39.17979323509145	-100.8367562	341349.7806790723	4338335.575264535	301.48196837016187	2918.9683790158105	2909.33062625183	2909.33062625183	33.0920900660281	33.0920900660281
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551	72	53091	-7941.141327	839257.3170250766	39.1797958258252	-100.8274469	342153.97404611147	4338319.604078226	300.4985215259366					

Id	Lat	Lon	X	Y	R	Latitude	Longitude	UTM_X	UTM_Y	Surflev	WLT	BRedElevLogs	BRedElevLogs	SatHtLogs	SatHtLogs	
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634	72	53174	4883.8586730335	839257	3170207696	73	5137968058097617	360336063	5583935474669198	47379883565732345	287347717050081	27854341075081	27174789727200317	271416524239015	67.95511607	70.36171050610522
635	72	53175	4749.8586730335	839257	3170207696	73	513786296239167	360336063	559040636535957	4737848478053939	2872436550012117	2783326563135918	2716371627362085	271416555414674	67.2646894389951	70.36170506105223
636	72	53176	4818.8586730335	839257	3170207696	73	513796733854872	360336063	5592416891	473798091402761	287240049193622	2781285025377102	271453607200478	2713359810891457	66.8883471	68.29421448115632
637	72	53177	4881.8586730335	839257	3170207696	73	513796733854872	360336063	5592416891	473798091402761	287240049193622	2781285025377102	271453607200478	2713359810891457	66.8883471	68.29421448115632
638	72	53178	4818.8586730335	839257	3170207696	73	513796733854872	360336063	5592416891	473798091402761	287240049193622	2781285025377102	271453607200478	2713359810891457	66.8883471	68.29421448115632
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatTLog.f	SatTBoth.f
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20	73	53300	-358401.1413	389917.3170250766	39.17495877457637	-102.0653117	235379.98581131828	4340665.727200583	3991.85529607935	3828.10095456807	3751.139414	3743.444104196308	76.3615411206065	84.695054484257
21	73	53301	-357741.1413	389917.3170250766	39.17503861703344	-102.0649229	235881.13436984563	4340681.68526421	3988.92819699562	3826.8611873482154	3750.38173794916	3740.173558961383	85.587170358032	85.587170358032
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23	73	53303	-356421.1413	389917.3170250766	39.1750568	-102.0656208	235893.4304413343	4340683.51183863	3985.6257586329	3823.7647971531583	3747.933026733935	3743.180659143923	75.8308704192317	90.5841380092315
24	73	53304	-355761.1413	389917.3170250766	39.17508105	-102.0539038	236184.57807017192	4340654.5448984	3822.309637349067	3746.096739872548	3727.83364	3740.1721326356273	94.47621236526673	94.47621236526673
25	73	53305	-355011.1413	389917.3170250766	39.1750962807896	-102.0515768	236385.7254382886	4340654.39331348	3879.9785382332	3820.86234287775	3743.497481769373	3740.091201268394	77.35875251840152	98.495331040552
26	73	53306	-354411.1413	389917.3170250766	39.17512942330396	-102.0492499	236586.8754345872	4340641.25379455	3977.1550921577836	3749.40406258853	3740.483490066737	3713.53034408418287	78.9205749211348	105.9062171702448
27	73	53307	-353761.1413	389917.3170250766	39.1751635406757	-102.0468929	236786.0198913505	4340637.16444672	3947.8184541276631	3817.963611647332	3738.95895252599	3704.13220520665	87.98796062476302	115.82138446666272
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33	73	53313	-349821.1413	389917.3170250766	39.17529730172814	-102.032961	237984.89508205256	4340612.6586	3966.564255811753	3809.2841192055238	3723.882189311471	3712.72728862827	84.5219289	103.156830590127
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35	73	53315	-348501.1413	389917.3170250766	39.17534482532874	-102.0283071	238397.1846952945	4340604.487100475	3964.0798627123415	3806.4514485135654	3723.358287229791	3732.398798652478	74.0673161285665	104.0166516117846
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37	73	53317	-347181.1413	389917.3170250766	39.17539243565696	-102.0236531	238799.47361073978	4340596.31815704	3958.14221	3803.556497804876	3741.0623404621156	3750.49145347604584	62.494517342760445	53.45735176929065
38	73	53318	-346521.1413	389917.3170250766	39.17541586668025	-102.0213261	239000.6175948017	4340592.2343444	3955.174581	3802.133976926716	3738.7357630702236	3757.934586859164	63.6944167	44.70339241056845
39	73	53319	-345861.1413	389917.3170250766	39.1754394482704	-102.0189991	239201.7612020778	4340585.151251235	3922.347167452331	3800.718346990444	3735.4748418248396	3755.974898978266	65.24350058	44.73484082067131
40	73	53320	-345201.1413	389917.3170250766	39.17546924042944	-102.0166721	239401.904786524	4340584.08	3928.607409525634	3799.308910999759	3751.7700526537	3750.9542598913867	62.453017401225566	48.3555511084005
41	73	53321	-344541.1413	389917.3170250766	39.17549916351577	-102.0143451	239604.09478785	4340583.94	3948.874090728132	3790.80890728132	3752.768385128754	3745.8913981027	43.7764781102976	43.7764781102976
42	73	53322	-343881.1413	389917.3170250766	39.17552090945336	-102.0121082	239805.19004475528	4340575.91204586	3944.146932	3796.5149051576553	3724.3508987478423	3745.548870388943	72.164014098203	50.9660531877099
43	73	53323	-343221.1413	389917.3170250766	39.17553303801746	-102.0096912	240006.3363669636	4340571.818	3940.616237056496	3792.1290905817386	3721.1644419369095	3746.96474293663	72.164014098203	50.9660531877099
44	73	53324	-342561.1413	389917.3170250766	39.17555666147886	-102.0073642	240207.4768182473592	4340567.73490744	3936.281586725612	3793.51321473919	3718.15813148491	3742.8726894125425	75.92502353828	50.8763206
45	73	53325	-341901.1413	389917.3170250766	39.17557996974706	-102.0050372	240408.016284735982	4340563.658278709	3931.946935563274	3792.381771587664	3715.7679881142463	3741.498003906005	76.16407347	50.88576300339264
46	73	53326	-341241.1413	389917.3170250766	39.17560323353117	-102.0027102	240609.761648975	4340559.57	3927.61228457793	3791.0205997438325	3713.9868812556665	3742.7943882698028	77.03371844814592	48.22621147
47	73	53327	-340581.1413	389917.3170250766	39.17562952414462	-102.0003832	240810.9182487476	4340554.858	3922.981182117378	3789.667307404606	3715.8193180812	3745.8913981027	43.7764781102976	43.7764781102976
48	73	53328	-339921.1413	389917.3170250766	39.1756494925176	-101.9980165	241012.0432337704	4340554.40112611	3928.13422515424	3787.38425515424	3712.373454077092	3748.1932565697	43.7764781102976	43.7764781102976
49	73	53329	-339261.1413	389917.3170250766	39.17567275453998	-101.9957292	241213.1848315444	4340543.24203508	3917.726074407978	3786.9868454797	3712.886015950748	3748.768850391215	74.1026644732878	38.21999941563356
50	73	53330	-338601.1413	389917.3170250766	39.1756958383258	-101.9934201	241414.323721333	4340543.25218485	3914.638502577985	3785.6252958315	3714.0966111854977	3745.87576492657	75.56561470801271	39.72645248249254
51	73	53331	-337941.1413	389917.3170250766	39.17571887716162	-101.9910751	241615.4698083056	4340539.10968346	3912.834358832725	3784.3446302489147	3715.8463234505202	3746.609512680867	68.4983067939442	37.73511756227906
52	73	53332	-337281.1413	389917.3170250766	39.1757481705703	-101.9887481	241816.6026873967	4340539.16963246	3912.313589	3783.038205054854	3718.12229908451	3749.692571757062	64.91329146203417	33.34292834779125
53	73	53333	-336621.1413	389917.3170250766	39.1757645200087	-101.9864211	242017.7484	4340539.4862069	3911.792819366775	3781.75830259125	3720.8013421584242	3745.87576492657	64.91329146203417	29.32161941861894
54	73	53334	-335961.1413	389917.3170250766	39.1757872401682	-101.9840414	242218.889278136	4340529.11469842	3910.304170589185	3779.1638395894	3720.8013421584242	3745.87576492657	64.91329146203417	42.595701908775
55	73	53335	-335301.1413	389917.3170250766	39.1758105380111	-101.981671	242420.058969044	4340522.837	3910.304170589185	3779.1638395894	3720.8013421584242	3745.87576492657	64.91329146203417	42.595701908775
56	73	53336	-334641.1413	389917.3170250766	39.17583307201166	-101.9794401	242621.165240207	4340518.756052216	3908.891209356372	3777.88747215811	3729.565123637453	3728.108392905148	43.2223535706576	49.779034029577
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58	73	53338	-333321.1413	389917.3170250766	39.1758788061113	-101.974786	243023.0431936505	4340510.5953206	3906.059204576994	3775.36186786864	3725.157086843683	3720.8013421584242	50.2663003521572	49.779034029577
59	73	53339	-332661.1413	389917.3170250766	39.1759019690031	-101.972459	243224.5817857261	4340506.51507761	3904.32917634441	3774.112469440673	3721.996774257552	3731.558784	56.11599518651459	42.5538598296748
60	73	53340	-332001.1413	389917.3170250766	39.1759242421028	-101.970132	243425.720123682	4340502.43295106	3902.28410863975	3772.966882327406	3715.01524361432	3728.089362423284	62.356358697447	44.7770209811741
61	73	53341	-331341.1413	389917.3170250766	39.17594691362473	-101.967845	243626.989278136	4340498.15069994	3900.87410863975	3771.9638395894	3720.8013421584242	3745.87576492657	64.91329146203417	42.595701908775
62	73	53342	-330681.1413	389917.3170250766	39.17596933810475	-101.965478	243827.9960370052	4340497.76009055	3900.304170589185	3779.1638395894	3720.8013421584242	3745.87576492657	64.91329146203417	42.595701908775
63	73	53343	-330021.1413	389917.3170250766	39.17599183761553	-101.9631509	244029.1336083388	4340496.19634559	3898.35623456454	3769.04015617537	3769.8479722951004	3709.4134698564	74.1604320675726	59.6

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.fg	BRIElevBothK.fg	SatThK.fg	SatThBoth.fg
145	73	53425	-275901.1413	839917.3170250766	39.17768384906599	-101.772303	260521.57041693619	4340156.3	3703.154086169956	3603.528747651718	3605.7680382911335	3603.274937829776	0	0.2538098219420135
146	73	53426	-275241.1413	839917.3170250766	39.177702618079415	-101.760330	260722.6876311879	4340152.253105733	3713.635547070544	3601.586613355012	3604.2471875722795	3603.28486555013	0	0
147	73	53427	-274681.1413	839917.3170250766	39.17772134214551	-101.767676	260923.8081015404	4340148.170812565	3715.894685919032	3599.594469871003	3603.281228184895	3603.299784	0	0
148	73	53428	-273921.1413	839917.3170250766	39.177740021264185	-101.7653489	261124.9231519307	4340144.156711708	3709.9263095476317	3597.549738261597	3602.89664304731	3601.78552022033	0	0
149	73	53429	-273261.1413	839917.3170250766	39.17775865435454	-101.7630218	261326.0378544426	4340140.402784033	3703.9596642321612	3595.4506717913414	3602.641372017921	3602.6022714	0	0
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151	73	53431	-271941.1413	839917.3170250766	39.17778578893554	-101.7583675	261728.207046458	4340131.915	3692.1427301254575	3591.089674823273	3600.7504420509063	3600.75043041527	0	0
152	73	53432	-271281.1413	839917.3170250766	39.177814288264294	-101.7560403	261929.3895958131	4340127.852	3686.406797859464	3588.832356215134	3597.250146540437	3597.291011001188	0	0
153	73	53433	-270621.1413	839917.3170250766	39.17783742645456	-101.7537135	262130.50152076877	4340123.988595846	3686.637486591912	3595.528447605544	3596.729751739929	3592.90847563818	0	0
154	73	53434	-269961.1413	839917.3170250766	39.17785115207904	-101.7513871	262331.618749369	4340119.72536411	3674.94093323474	3584.182178382786	3598.289749589575	3598.67509052634	0	0
155	73	53435	-269301.1413	839917.3170250766	39.17786951656501	-101.7490589	262532.73319401425	4340115.652681935	3667.9978162174547	3581.7980211676188	3584.743656	3585.08140908908	0	0
156	73	53436	-268641.1413	839917.3170250766	39.17788736910328	-101.7467318	262733.8467947483	4340111.660308956	3659.845649441687	3579.380445019287	3581.9320743881926	3583.254385	0	0
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159	73	53439	-266661.1413	839917.3170250766	39.17794259301367	-101.7397503	263337.189662665	4340099.413	3562.16468340672	3571.9683786756373	3574.257044384396	3578.54286	0	0
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161	73	53441	-265341.1413	839917.3170250766	39.17797859867825	-101.735096	263739.4716684936	4340091.289630296	3532.971862	3566.925158925294	3567.7675496288193	3575.225487141718	0	0
162	73	53442	-264681.1413	839917.3170250766	39.17799620943871	-101.7327698	263940.5311	4340087.228032598	3526.3745592274945	3564.3806266091173	3563.886348113197	3574.055994191797	0	49.0399179839156204
163	73	53443	-264021.1413	839917.3170250766	39.17801481432229	-101.7304417	264141.6443	4340083.166614669	3561.8799619996257	3561.8238114383034	3560.5060790426004	3572.7596889606	1.177233068429846	0
164	73	53444	-263361.1413	839917.3170250766	39.1780377429788	-101.7281146	264342.375326151	4340079.105	3563.48807058131	3559.256808068414	3557.0820994186242	3566.649727233621	3574.0829988217173	0
165	73	53445	-262701.1413	839917.3170250766	39.17805089350552	-101.7257874	264543.807091026	4340075.044351919	3565.096179163014	3556.862534780144	3554.384899	3562.4098959977015	2.29764413123635	0
166	73	53446	-262041.1413	839917.3170250766	39.17806585935444	-101.7234002	264744.86295962628	4340070.98343307	3566.7042877448926	3554.105918962574	3552.8626117167759	3561.1163635042427	1.2433081457993467	0
167	73	53447	-261381.1413	839917.3170250766	39.17808142643309	-101.699479	264950.536530325	4340064.92273281658	3568.0492273281658	3553.629405189323	3552.755777020457	3565.023040577039	0.782711592	0
168	73	53448	-260721.1413	839917.3170250766	39.17810416454016	-101.718059	265147.20842021	4340062.86221008	3563.2657074840033	3548.9430451938926	3549.087744209787	3560.1564175312615	0	0
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170	73	53450	-259401.1413	839917.3170250766	39.178139590122754	-101.7141516	265549.4033560762	4340054.741702463	3557.608614149653	3543.785542933636	3544.7358720393386	3560.07178404063	0	0
171	73	53451	-258741.1413	839917.3170250766	39.178157235441795	-101.7118224	265750.5417534866	4340050.681717379	3552.9750782187084	3541.200919796358	3542.1026719359584	3559.84828957526	0	0
172	73	53452	-258081.1413	839917.3170250766	39.178174784	-101.7094793	265951.65284305846	4340046.622	3546.539348691158	3538.615031274545	3539.3266489818465	3557.4016327840277	0	0
173	73	53453	-257421.1413	839917.3170250766	39.17819239328515	-101.7071709	266152.7637841285	4340042.262284609	3546.094781950223	3536.9876719284626	3538.1762938492266	3555.5987677038	0	0
174	73	53454	-256761.1413	839917.3170250766	39.17821707942	-101.704943	266360.74404616	4340038.303	3533.657848	3533.4710227751165	3533.4710227751165	3557.8167581887	0.29957323501349495	0
175	73	53455	-256101.1413	839917.3170250766	39.17823767233594	-101.7025158	266554.843838642	4340034.433568327	3526.4647731758555	3530.854527	3530.05060452036	3549.3834110825783	3560.25867636892	0
176	73	53456	-255441.1413	839917.3170250766	39.178247749	-101.7001886	266756.09052423756	4340030.34487853	3516.81518167	3528.26633982814	3526.8754775289183	3530.18016389675293	0	0
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178	73	53458	-254121.1413	839917.3170250766	39.17827949412304	-101.6955343	267158.105479848	4340022.2668371955	3502.624953435688	3523.0898727300614	3520.856438319127	3535.707253700614	2.2372827214144344	0
179	73	53459	-253461.1413	839917.3170250766	39.1782867985545	-101.6932071	267344.842927050136	4340018.20850503	3502.607390318336	3520.501805	3517.11911444987	3530.321054638937	3.326836584572735	0
180	73	53460	-252801.1413	839917.3170250766	39.1783140263309	-101.690479	267560.536530325	4340014.14921188	3500.5188705815872	3517.014001903016	3514.1047468786246	3535.5987677038	0	0
181	73	53461	-252141.1413	839917.3170250766	39.178332116474675	-101.6885528	267761.8459260549	4340010.09177842	3505.1236572034026	3513.262573255853	3511.122184820688	3527.967284361	4.2054342431	0
182	73	53462	-251481.1413	839917.3170250766	39.17834836736149	-101.6862256	267962.7514293425	4340006.037028615	3506.3418313480906	3512.739732097445	3508.3360609311203	3514.70323254814	4.06371163225105	0
183	73	53463	-250821.1413	839917.3170250766	39.17836353299756	-101.6838984	268163.86002337746	4340001.97586602	3502.0726313189	3505.15608191120	3505.734394695181	3510.97877462638	4.121667216924056	0
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185	73	53465	-249501.1413	839917.3170250766	39.17839950330404	-101.6792441	268566.0584547392	4339993.860732244	3503.993485478002	3505.007199220247	3500.884261972267	3507.1346189138076	4.13168226916028	0
186	73	53466	-248841.1413	839917.3170250766	39.178416521422726	-101.6769169	268767.184431738	4339989.803433341	3548.93572074026	3502.488481789721	3498.505209516254	3503.75470096585	3.923308380950547	0
187	73	53467	-248181.1413	839917.3170250766	39.17843374665334	-101.6747178	268968.0476178188	4339984.916712848	3546.91761712848	3501.77398919	3498.359818170448	3498.359818170448	3.95061038276278	0
188	73	53468	-247521.1413	839917.3170250766	39.17845033	-101.6722625	269169.399611988	4339980.689372946	3545.82102310376	3497.300909466666	3504.4252859215368	3503.7496445447	2.778052453292584	0
189	73	53469	-246861.1413	839917.3170250766	39.17846716500732	-101.6699353	269370.5068	4339977.632611222	3538.925778594461	3494.746254712682	3492.0481	3501.45685895977	2.6981542865819392	0
190	73	53470	-246201.1413	839917.3170250766	39.17848396	-101.6676801	269571.6178374633	4339973.76028499	3535.000540852463	3492.19778568854	3489.5570530012865	3488.183091316813	2.6402755675699154	0
191	73	53471	-245541.1413	839917.3170250766	39.17850070265308	-101.665281	269772.7205	4339969.519624781	3534.7419721758524	3489.6596	3487.010276153902	3495.405910990613	2.645684279380774	0
192	73	53472	-244881.1413	839917.3170250766	39.17851740405268	-101.6629338	269973.8271	4339965.43400055	3538.150093	3487.1211065761345	3484.79316	3494.84747379842	2.329767326146914	0
193	73	53473	-244221.1413	839917.3170250766	39.17853406503389	-101.6606266</								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SatThKLog.s	SatThBoth.ft
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272	73	53552	-192081.1413	839917.3170250766	39.17970787906788	-101.4767577	286061.63151429466	4339641.544721311	3452.6051913755037	3288.663717711039	3295.1386543125464	3231.712027894703	0	71.54338981635556
273	73	53553	-187421.1413	839917.3170250766	39.1797203691221	-101.469448	28652.2392691626	4339637.502981626	3458.874581686504	3286.0748188538985	3296.6217888333565	3199.041810729157	0	87.0330813
274	73	53554	-190071.1413	839917.3170250766	39.1797335505036	-101.4721212	286463.8089947995	4339633.441	3453.1238167177037	3283.04751102033	3296.082052229643	3181.205445853018	0	102.2830146729528
275	73	53555	-190101.1413	839917.3170250766	39.179746855247335	-101.469739	286664.8973692345	4339629.41996019	3453.885115619206	3280.90345848432	3281.5127585266546	3167.074872051937	0	113.8285968797382
276	73	53556	-189441.1413	839917.3170250766	39.17975118306	-101.4674667	286865.985533404	4339625.738708035	3455.1484805307	3278.30244654386	3277.006904043686	3175.762474223277	1.341050801558551	102.5551174229164
277	73	53557	-188711.1413	839917.3170250766	39.17977271777554	-101.4651394	287067.07348760474	4339621.337743716	3456.4181854233	3275.740088582086	3272.5545702975433	3180.7147447895087	1.525437825065358	95.0296065
278	73	53558	-188121.1413	839917.3170250766	39.1797766746579	-101.4628121	287268.12311923734	4339617.296888112	3457.1651315703389	3273.1651315703389	3271.910441	3183.5659910670387	3.288311710632339	89.5916287054476
279	73	53559	-187461.1413	839917.3170250766	39.1797855620274	-101.460448	287469.24876661354	4339613.252040074	3458.874581686504	3270.259514894346	3268.20388033565	3189.8173791643676	3.781624586621555	80.76173871406751
280	73	53560	-186801.1413	839917.3170250766	39.17981110398935	-101.4581157	287670.316	4339609.215702957	3460.0137045556	3268.034748337884	3259.499309052913	312.8327161190362	5.353118781	54.1085064282518
281	73	53561	-186141.1413	839917.3170250766	39.17982380482266	-101.4558033	287871.42320078964	4339605.17539394	3461.1815902186324	3265.44803080965	3254.655328	3208.565166071657	10.8294725231475	26.919363473798164
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283	73	53563	-184821.1413	839917.3170250766	39.179849071637136	-101.4511758	288273.5968130966	4339597.050258521	3461.2168675619423	3260.429664356708	3244.26296946804	3257.07357676029	16.1669487880564	0
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309	73	53589	-167661.1413	839917.3170250766	39.1801617785019	-101.3906665	293501.778442658346	4339492.11892978	3389.05109545062	3225.529148716508	3168.0919954835895	3162.5880051604515	57.45315322561268	62.94114770600031
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312	73	53592	-165681.1413	839917.3170250766	39.1801952470025	-101.3838484	294105.012246194	4339480.01316795	3381.667370619616	3224.8816067579046	3193.951915704873	3162.938133396167	84.964209523158	61.50179341828789
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316	73	53596	-163041.1413	839917.3170250766	39.18024001450468	-101.3743754								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEVLogKg.f	BREIEVBothKg.f	SurfAtmBoth.f	SatThBoth.f	
397	73	53677	-105981.1413	389917.3170250766	39.109092066083916	-101.858624	311196.1368	4339137.706018681	3524.9622994044234	3151.848472868498	3094.7930601539783	3095.3629854465794	57.05441271451966	56.485487429181606
398	73	5368	-108921.1413	389917.3170250766	39.1095949746676	-101.85335	311397.2278851179	4339133.68650407	3525.985359170131	3149.504135390744	3093.08994901307	3093.7921393183237	56.4411404974682364	56.47796087058394
399	73	53679	-106261.1413	389917.3170250766	39.1096829619002	-101.857077	311568.2917508667	4339129.667174832	3529.211865655811	3147.232093261906	3091.52922437089	3091.8150113471837	55.6791700848198	55.6791914291884
400	73	53680	-107601.1413	389917.3170250766	39.1010424537767	-101.788804	311799.3554311979	4339125.648	3427.8022611556764	3144.5607184189553	3090.0061190013876	3092.945196511567	54.9205851756677	54.6047728028395
401	73	53681	-106641.1413	389917.3170250766	39.1802165180174	-101.76553	312000.41892716265	4339121.62904067	3245.392665764805	3142.62709266842	3088.470958641235	3089.201211325278	54.15613633	53.425880131563645
402	73	53682	-106281.1413	389917.3170250766	39.18021681347215	-101.742257	312021.482236835	4339117.623964	3242.98307362885	3140.53406265008	3086.96362	3076.470296229137	53.73136095	52.6306442118747
403	73	53683	-105621.1413	389917.3170250766	39.180103603008954	-101.718983	312402.453569641	4339113.9616122	3242.9394210429273	3138.051313260227	3085.503263020992	3086.39956589044	52.548109639292	51.6543666
404	73	53684	-104961.1413	389917.3170250766	39.18104321752104	-101.69571	312603.6083902104	4339109.57136939	3241.1041717786523	3135.77665091417	3084.1095213817366	3084.684201070814	51.6670845139683	51.05240403602845
405	73	53685	-104031.1413	389917.3170250766	39.1810529619002	-101.674948	312804.671068827	4339105.455801137	3240.5840145300762	3133.5108672545223	3082.955796959504	3083.45336802102	50.54579652542016	49.76791914291884
406	73	53686	-103641.1413	389917.3170250766	39.18105410217139	-101.649163	313005.7334441795	4339101.53869709	3242.9063112741037	3131.255425376095	3081.544253277653	3081.8999013765413	49.71007405338	48.3554009954925
407	73	53687	-102881.1413	389917.3170250766	39.181064447019494	-101.625889	313206.7960367887	4339097.518859646	3244.0868126777896	3129.0140180592066	3080.4480341730005	3080.689270349108	48.56223888206135	48.34211771009854
408	73	53688	-102231.1413	389917.3170250766	39.18107143866791	-101.602616	313407.8520459432	4339093.50158942	3246.1255147413763	3126.776864073874	3079.174898	3079.3283818640107	47.60196623794356	47.44848220863414
409	73	53689	-101661.1413	389917.3170250766	39.18107383576262	-101.579342	313608.9220720871	4339081.48399587	3248.1642248049825	3124.557041118784	3077.553558443448	3077.918937	46.71428326356423	46.63740430356423
410	73	53690	-101001.1413	389917.3170250766	39.18108528770357	-101.550609	313809.8821154251	4339085.46217573	3250.202930680492	3122.36471589334	3075.968232927602	3076.476180222383	46.0967167133157	45.7342573669504
411	73	53691	-100341.1413	389917.3170250766	39.18109241489079	-101.532795	314101.0437167612	4339081.48912893	3251.38570778858437	3120.167427848593	3074.41655420347	3075.367905	45.750918646122045	44.80037734223275
412	73	53692	-99681.1413	389917.3170250766	39.181098956724284	-101.509522	314212.1052540994	4339077.43188543	3253.15876856745	3118.011620389073	3073.0221524311703	3074.053597170638	44.97866795700328	44.9482221238862
413	73	53693	-99021.1413	389917.3170250766	39.181105723803974	-101.486248	314413.1665054071	4339073.41513507	3254.49875382644	3115.889074	3071.4858652473	3072.9302343866715	44.2839874823267	44.2276710480848
414	73	53694	-98361.1413	389917.3170250766	39.181112452969	-101.462975	314614.21267468075	4339069.39462782	3255.740741796548	3113.76843142079	3070.079620775529	3071.41306667247	43.657322366550034	43.6279347445143
415	73	53695	-97701.1413	389917.3170250766	39.18111912310521	-101.439701	314815.288997148	4339065.381967358	3255.142618362068	3111.6388356847328	3068.538931915448	3068.7534753636975	43.09909304828491	43.19950822290353
416	73	53696	-97041.1413	389917.3170250766	39.181119125352306	-101.416428	315016.3944792563	4339061.365647232	3252.655338313028	3109.564172593724	3066.91676016046	3066.768960748177	42.951663406371795	42.951663406371795
417	73	53697	-96381.1413	389917.3170250766	39.181123324858064	-101.393154	3152127.41	4339057.349508367	3246.18648793477	3107.513123569155	3065.323024741457	3065.268233080155	42.9019615828	42.9019615828
418	73	53698	-95721.1413	389917.3170250766	39.18113888	-101.369881	315418.47005147	4339053.33548222	3247.680913874865	3105.48394754294	3063.82476	3063.703472000897	41.655980115398	41.78047558
419	73	53699	-95061.1413	389917.3170250766	39.18115342756515	-101.34648	315625.26876989072	4339047.475831758483	3247.441464967453	3103.799497491284	3062.72597002364	3062.53889775456	39.1984217689989	39.1984217689989
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421	73	53701	-93741.1413	389917.3170250766	39.18115824210754	-101.30006	316021.6504854267	4339041.28671759	3242.565410717867	3099.51734295993	3059.66058425464	3059.2821804561345	39.5859348431646	40.2351688
422	73	53702	-93081.1413	389917.3170250766	39.18116464062714	-101.276787	316222.701510577	4339037.27414614	3242.416565439133	3097.563122	3057.7550011862318	3057.983162790934	39.80811277562814	39.57959517
423	73	53703	-92421.1413	389917.3170250766	39.18117092	-101.253513	316423.76963654585	4339033.256383875	3240.960116251872	3095.625348822857	3056.6742357509647	3056.228997850193	39.895111407192384	39.38635196783745
424	73	53704	-91761.1413	389917.3170250766	39.18117719473139	-101.230239	316624.8289429048	4339029.24148323	3238.195791583087	3093.7402303437893	3055.347816390093	3055.152005429645	38.36686874078003	37.68920480083476
425	73	53705	-91101.1413	389917.3170250766	39.18118342269698	-101.206696	316825.26876989072	4339025.22678693	3237.4027446191673	3091.799497491284	3054.334889192245	3054.33889775456	38.1984217689989	38.1984217689989
426	73	53706	-90401.1413	389917.3170250766	39.18118960554494	-101.183924	317026.947118874	4339021.21225151	3236.673197711815	3089.475381774862	3054.9042	3054.221044717	38.04228238036	37.23447369367819
427	73	53707	-89781.1413	389917.3170250766	39.18119567427004	-101.160419	317228.0057811453	4339017.17946931	3233.9098653896	3088.04241623876	3050.444713	3050.856055051233	37.5977041487484	37.18636176204284
428	73	53708	-89121.1413	389917.3170250766	39.18120183554171	-101.137145	317429.643689806	4339013.183655708	3232.4026427293573	3086.1893598410597	3048.9135069348918	3047.27585290616794	37.27585290616794	37.18636176204284
429	73	53709	-88461.1413	389917.3170250766	39.18120788	-101.113872	317630.1227778993	4339009.169641674	3232.44425993928	3084.35349021425	3047.57866702646	3047.3990595176443	37.0677829946554	36.9935481856994
430	73	53710	-87801.1413	389917.3170250766	39.18121386622312	-101.109059	317831.8110081062	4339005.156	3229.2262141629994	3082.5345528321795	3046.4408917317756	3045.77511569819	36.9398114093956	36.75944162307024
431	73	53711	-87141.1413	389917.3170250766	39.181219844152855	-101.106724	318022.2395958071	4339001.14557143	3227.700191583087	3080.724583753007	3045.559007831333	3045.73421859365	36.734075827315	36.515183214
432	73	53712	-86481.1413	389917.3170250766	39.1812257308005	-101.104405	318233.2696879072	4338997.41829541	3227.4027446191673	3079.799497491284	3044.9042	3044.221044717	36.04228238036	35.727347272036
433	73	53713	-85821.1413	389917.3170250766	39.18123106500941	-101.102077	318434.3568285055	4338993.12327572	3224.779834290885	3077.7519188274	3043.308528429214	3043.980765199432	35.7350069839056	35.7350069839056
434	73	53714	-85161.1413	389917.3170250766	39.18123744813801	-101.0997504	318635.4121	4338990.02229069	3223.318934239002	3075.419335795336	3040.85562717331	3040.71501199014	35.463563700752	35.46178559632472
435	73	53715	-84501.1413	389917.3170250766	39.18123762321715	-101.097423	318836.4694856316	4338989.08278008	3221.453562345021	3075.673589109564	3038.691014604211	3037.0284732935254	34.88435430674545	34.6468589
436	73	53716	-83841.1413	389917.3170250766	39.1812486937135	-101.095056	319007.5266478718	4338981.077	3219.183743126233	3071.9071253351	3036.7996137901764	3036.85009710681	35.411574631745	35.411574631745
437	73	53717	-83181.1413	389917.3170250766	39.18125445755695	-101.092763	319228.5838323006	4338977.09307277	3218.6131388696725	3070.21288777328	3035.304780308027	3034.154507796646	34.90810742901065	34.90810742901065
438	73	53718	-82521.1413	389917.3170250766	39.1812602078945	-101.090449	319434.6044071536	4338973.05148758	3214.640447876727	3068.498544925072	3034.325745307316	3033.338025420242	34.1641002414565	35.15183214
439	73	53719	-81861.1413	389917.3170250766	39.18126719473139	-101.087983	319649.7362847513	4338969.6868382	3213.6468142914763	3067.68991746138	3033.668342924793	3033.668342924793	34.04228238036	34.04228238036
440	73	53720	-81201.1413	389917.3170250766	39.18127439278827	-101.085762	319841.753620813	4338965.02719936	3213.6468142914763	3065.047177166	3032.812420523575	3032.317332	33.7052056684035	33.7052056684035
441	73	53721	-80541.1413	389917.3170250766	39.1812766075855	-101.083488	320024.809803747	4338961.01529158	3208.365631278794	3063.316683159643	3030.290724239222	3032.0748846404752	33.025869	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIEVLogKgr.ft	BRIEVBothKgr.ft	SatHBothKgr.ft	SatHBothKgr.ft	
523	53	58303	-26421.14133	389917.3170250766	-98.18157566743095	-100.8928143	336528.8438023984	338362.3462313452	3304.7312026399977	2910.0741610398486	2912.45986	2912.87049498409164	27.614301129389427	27.10371119893216
524	53	58304	-25761.14133	389917.3170250766	-98.18157435452118	-100.8928039	336729.881462262	338362.6458054067	3061.679069745557	2939.34718895461	2913.174432490358	2913.5933977876684	26.72966415103423	25.75402170179305
525	53	58305	-25191.14133	389917.3170250766	-98.18157316677679	-100.8787683	336909.9268324445	338362.9468953691	3059.632971149133	2933.615245278816	2914.027564899336	2914.027564899336	24.91074554886306	24.86445435
526	53	58306	-24461.14133	389917.3170250766	-98.18158085402069	-100.8856321	337131.970361022	338362.0016189405	3077.579423577357	2937.8752051340275	2914.41337421092	2914.41337421092	23.4618042420312	23.1998004882626
527	53	58307	-23781.14133	389917.3170250766	-98.181582466307904	-100.8833047	337333.01222301081	338361.65449907	3055.501730102037	2937.124977287933	2914.447255915233	2914.543867261476	22.66771372740052	22.58909026947191
528	53	58308	-23121.14133	389917.3170250766	-98.18158403634044	-100.8809773	337534.053837492	338361.765798086	3036.362453961412	2936.362453961412	2913.698349	2913.72672226931	22.62447024	22.63285722932444
529	53	58309	-22461.14133	389917.3170250766	-98.18158564601828	-100.87885	337735.095489478	338360.61650404	3031.350524621828	2935.585015711694	2912.282305199342	2912.090854081978	23.202710517827163	23.4941615981913
530	53	58310	-21801.14133	389917.3170250766	-98.18158714341455	-100.8762326	337936.1368285035	338360.64650404	3048.206748216204	2934.7069949476305	2909.071749425286	2909.071749425286	25.43171051948043	25.75402170179305
531	53	58311	-21141.14133	389917.3170250766	-98.181589159983	-100.8739853	338137.17811722198	338360.66687019	3048.6792672591178	2933.975585967533	2904.757089198391	2903.876796	25.17849539631155	25.0667931027227
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533	53	58313	-19821.14133	389917.3170250766	-98.181591405862768	-100.8693044	338539.2601133543	338359.676806766	3042.7765858478613	2932.272401171287	2900.189720100305	2900.189720100305	25.0667931027227	25.0667931027227
534	53	58314	-19161.14133	389917.3170250766	-98.18159273358719	-100.8670131	338740.3006751807	338358.682651404	3037.80885142223	2931.379727079966	2989.875564358581	2989.596612952535	32.5032136441138	32.78292912743124
535	53	58315	-18501.14133	389917.3170250766	-98.18159401623687	-100.8646857	338941.3417479737	338358.687337235	3030.452479794897	2984.853901905491	2984.350463739954	2984.350463739954	36.09321789819169	36.09321789819169
536	53	58316	-17841.14133	389917.3170250766	-98.18159525393184	-100.8623583	339142.381927372	338358.69223438	3028.330683993606	2929.514632373731	2989.5305350194906	2989.5305350194906	38.75096274191901	38.75096274191901
537	53	58317	-17181.14133	389917.3170250766	-98.18159644667211	-100.8600309	339343.4222181596	338357.687309348	3029.697134734413	2928.571748353551	2989.2130800606275	2989.2130800606275	39.30468632925355	39.30468632925355
538	53	58318	-16521.14133	389917.3170250766	-98.18159794457805	-100.8577335	339544.4622532133	338357.70250748	3027.044262041	2927.499745088964	2989.2130800606275	2989.2130800606275	40.3207511719515	40.3207511719515
539	53	58319	-15861.14133	389917.3170250766	-98.18159867288564	-100.8553761	339745.502303102	338356.70798738	3025.818370218264	2926.494792231673	2984.3544765477977	2983.3671590867416	42.09635172536525	42.09635172536525
540	53	58320	-15201.14133	389917.3170250766	-98.18159976	-100.8530488	339945.541516766	338356.713931023	3026.01975826966	2925.367529108164	2980.564005011546	2980.564005011546	43.09233700790432	43.09233700790432
541	53	58321	-14541.14133	389917.3170250766	-98.1816007680612	-100.8507214	340147.581872584	338356.71920638	3026.22120355417	2924.252140433864	2980.6453800047	2980.6453800047	44.16575663632007	44.16575663632007
542	53	58322	-13881.14133	389917.3170250766	-98.18160173605266	-100.848394	340348.6132710511	338356.723672635	3024.22462544535	2923.0576699034	2911.4531263712933	2911.4531263712933	45.00219986028912	45.00219986028912
543	53	58323	-13221.14133	389917.3170250766	-98.18160269606485	-100.8460666	340549.6068126156	338356.731458884	3022.210063	2921.92844326311	2910.527334734565	2910.527334734565	46.10890951274431	46.10890951274431
544	53	58324	-12561.14133	389917.3170250766	-98.1816035712214	-100.8437362	340750.698805023	338356.73767276	3020.583473	2920.725269595474	2907.426340024144	2908.145459113087	47.23896648165943	47.23896648165943
545	53	58325	-11901.14133	389917.3170250766	-98.181604429115	-100.841415	340954.94428372	338356.744428181	3017.927151071413	2919.516374230964	2905.189856199943	2905.189856199943	48.36891227193521	48.36891227193521
546	53	58326	-11241.14133	389917.3170250766	-98.18160515837292	-100.8390465	341152.771237406	338356.750910773	3014.330293	2918.25914232593	2901.8881469552807	2902.175242	49.51690528097865	49.51690528097865
547	53	58327	-10581.14133	389917.3170250766	-98.1816059156601	-100.8367571	341353.816642655	338356.75774747	3012.555642582844	2917.00090827945	2900.139371386401	2900.139371386401	50.68061498048505	50.68061498048505
548	53	58328	-9921.14137	389917.3170250766	-98.181606598043429	-100.8344297	341554.855226579	338356.764761128	3010.6627885386	2915.72672885386	2909.938642772703	2909.938642772703	51.7878130158343	51.7878130158343
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550	53	58330	-8601.14137	389917.3170250766	-98.18160781416914	-100.8297749	341956.9319215192	338354.77931294	3015.8157290293	2913.14816920293	2983.245029712686	2983.245029712686	53.9903149606685	53.9903149606685
551	53	58331	-7941.14137	389917.3170250766	-98.18160842479115	-100.827447	342157.9780384775	338354.78468161	3011.15291997188	2912.216750113545	2988.051965304653	2988.051965304653	55.2558697891747	55.2558697891747
552	53	58332	-7281.14137	389917.3170250766	-98.181609432105	-100.8251202	342359.640719682	338354.79167199	3008.524035121441	2910.55204321441	2983.34040579984	2983.34040579984	56.511716564549	56.511716564549
553	53	58333	-6621.14137	389917.3170250766	-98.181609416675286	-100.8224758	342560.0458112245	338354.810247401	3006.1415326132956	2909.2601425168014	2978.314211328854	2978.314211328854	57.804592387947127	57.804592387947127
554	53	58334	-5961.14137	389917.3170250766	-98.18160984518524	-100.8206824	342761.0835	338358.01405775	3003.638496426703	2907.8275222355	2978.711229200576	2978.711229200576	58.91250219401726	58.91250219401726
555	53	58335	-5301.14137	389917.3170250766	-98.1816102287405	-100.818138	342962.1200706925	338358.018787297	3000.748643425961	2906.7298450216326	2987.7610384297	2987.7610384297	59.9546678584814	59.9546678584814
556	53	58336	-4641.14137	389917.3170250766	-98.18161056734103	-100.8159106	343163.15830203783	338358.0242709956	2905.512134027506	2982.9249587822743	2983.20145005769	2983.20145005769	60.95856285	60.95856285
557	53	58337	-3981.14137	389917.3170250766	-98.1816108096980	-100.8134683	343364.1958184653	338346.935808752	2999.202049	2982.392159421245	2986.776759172695	2986.776759172695	61.95436936951	61.95436936951
558	53	58338	-3321.14137	389917.3170250766	-98.1816111096738	-100.811516	343565.2268398278	338346.944428181	2997.927151071413	2981.516374230964	2985.189856199943	2985.189856199943	62.96891227193521	62.96891227193521
559	53	58339	-2661.14137	389917.3170250766	-98.1816113814194	-100.8088285	343766.2656451712	338346.95353712	2996.200428183824624	2982.321885063928	2982.321885063928	2982.321885063928	63.978259770342	63.978259770342
560	53	58340	-2001.14137	389917.3170250766	-98.1816114719577	-100.805011	343967.3061967814	338346.96261658	2995.187454	2981.114117940236	2984.59298620827	2984.59298620827	64.9876523443844	64.9876523443844
561	53	58341	-1341.14137	389917.3170250766	-98.18161158602261	-100.8041737	344168.3427854793	338346.91965106	2993.78556262015	2980.143970184271	2984.841014212422	2984.841014212422	65.996087604064	65.996087604064
562	53	58342	-861.1413269	389917.3170250766	-98.18161168487416	-100.8018463	344369.3792224813	338346.88144433	2992.38548838283	2985.013127097235	2984.073104212455	2984.073104212455	66.996087604064	66.996087604064
563	53	58343	-21.1413269	389917.3170250766	-98.18161167881208	-100.7995919	344570.41560796926	338346.891099869	2991.452569771721	2986.19699148594383	2985.075250205523	2985.075250205523	67.996087604064	67.996087604064
564	53	58344	3368.58677033514	389917.3170250766	-98.1816116777473	-100.7971916	344715.4516422105	338346.90031364	2990.95482525663	2987.210411694393	2984.1590312	2984.1590312	68.996087604064	68.996087604064
565	53	58345	1298.58677033514	389917.3170250766	-98.181611096738	-100.795816	344915.4516422105	338346.90031364	2990.95482525663	2987.210411694393	2984.1590312	2984.1590312	69.996087604064	69.996087604064
566	53	58346	1958.58677033514	389917.3170250766	-98.18161148083758	-100.7925368	345175.523457672	338346.91212545	2990.074870524954	2985.2043828501	2984.8544010227	2984.8544010227	70.996087604064	70.996087604064
567	53	58347	2618.58677033514	389917.3170250766	-98.1816113249342	-100.7902904	345374.5913822144	338346.914822125	2989.1					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WtLs	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
649	73	53929	56738.8586730335	339917.3170250766	-00.18144556022601	-00.5993643	361858.9919846983	4338130.37926485	2844.577973502307	2758.5417989009256	2706.748936655559	2715.9296264536647	51.85112556180461
650	73	53930	57398.8586730335	339917.3170250766	-00.18144613090402	-00.5973098	362060.0158761368	4338126.4049033885	2847.445182369785	2756.823434190748	2706.3153830091287	2705.5013511816917	50.39125468723665
651	73	53931	60118.8586730335	339917.3170250766	-00.1814322441003094	-00.5947695	362851.3298933659	4338025.0569079316	2848.5023569379316	2756.133451296183	2705.1384146588916	2704.89970319890172	50.4034087649465
652	73	53932	58712.8586730335	339917.3170250766	-00.1814333659035	-00.5923262	362462.06325123017	4338145.4545999827	2850.750075	2757.4776863269972	2703.408434	2702.274717739923	50.50625076557005
653	73	53933	60378.8586730335	339917.3170250766	-00.18142974195713	-00.5900548	362663.08674031583	4338114.50057114	2851.997600119468	2751.8578614130615	2701.0696363555783	2698.4571387321463	50.7883255057483235
654	73	53934	60038.8586730335	339917.3170250766	-00.1814257500391	-00.5877274	36284.1101	4338104.80067514	2850.280961154346	2698.0875372007513	2704.4634341544634	2692.13942330166525	55.84452989869629
655	73	53935	60698.8586730335	339917.3170250766	-00.1814213506928	-00.5854001	363065.133200064	4338106.531528752	2852.72625015251967	2748.7525200516228	2695.0164139452304	2688.6756097556306	53.73610655667306
656	73	53936	61358.8586730335	339917.3170250766	-00.181417406234296	-00.5830727	363266.15641113755	4338102.507522296	2850.43008496843	2747.276356169332	2697.91846419616	2687.028703157076	55.30451874971595
657	73	53937	62018.8586730335	339917.3170250766	-00.18141322441797	-00.5807465	363467.1786959502	4338096.536911198	2852.137554713489	2745.853351296183	2696.715269738771	2685.36286225257	54.5896885851737
658	73	53938	62678.8586730335	339917.3170250766	-00.181408957447214	-00.5784179	363668.202196705	4338094.610035177	2854.803553576502	2744.8235514982016	2695.8477674994025	2683.9428399877618	61.08748474400616
659	73	53939	63383.8586730335	339917.3170250766	-00.1814046562217	-00.5760906	363869.2248916026	4338092.63564503	2856.36963615028	2743.154143232886	2693.004528453434	2682.320480220608	60.541938956143
660	73	53940	63998.8586730335	339917.3170250766	-00.18140032942274	-00.5737632	364070.245245486013	4338086.66234905	2858.5617	2741.8633147462347	2690.5569137148296	2681.8118951490683	61.30640103140604
661	73	53941	64658.8586730335	339917.3170250766	-00.18139594760898	-00.5714358	364271.269886617	4338082.690118865	2858.136947488749	2740.603505599496	2678.470076874225	2679.0204269358725	61.33573725724546
662	73	53942	65318.8586730335	339917.3170250766	-00.18139152	-00.5691085	364472.29178724207	4338078.7116389	2862.7317222573587	2738.458497120121	2676.82824051647	2678.458472997313	60.91358674370904
663	73	53943	65978.8586730335	339917.3170250766	-00.181387409478495	-00.5666781	364673.3145567814	4338074.744384128	2863.071092963587	2738.151928462253	2675.36634	2677.7068542041075	62.7653496829513
664	73	53944	66638.8586730335	339917.3170250766	-00.1813825323991	-00.5644537	364874.3364	4338070.7717975	2863.211537212643	2736.948268207608	2674.03832814627	2674.301399005519	62.90079022080841
665	73	53945	67298.8586730335	339917.3170250766	-00.18137791530765	-00.5621264	365075.385903532	4338066.79503251	2863.389684316326	2735.753991532691	2672.481981743274	2679.613728306336	62.73208966
666	73	53946	67958.8586730335	339917.3170250766	-00.18137335125424	-00.559799	365276.3800812359	4338154.0326790625	2863.5450436506256	2734.56422496035	2670.761651956787	2681.748821	63.04509880727624
667	73	53947	68618.8586730335	339917.3170250766	-00.18136871375683	-00.5574716	365477.40172868135	4338058.85501769	2863.578739301	2733.3820391052836	2669.051995637916	2682.666918008493	64.3300434649204
668	73	53948	69278.8586730335	339917.3170250766	-00.18136401745193	-00.5551443	365678.4232461164	4338054.883113254	2868.501121390673	2732.198304646464	2667.6160457196425	2684.58225713	47.86271245680423
669	73	53949	69938.8586730335	339917.3170250766	-00.181359276183784	-00.5524819	365879.44463374326	4338050.911348403	2868.42325881041	2731.0311663315657	2666.5621851565757	2687.6595684917413	64.6189117489992
670	73	53950	70598.8586730335	339917.3170250766	-00.1813544536906	-00.5504696	366080.4658917678	4338046.93983107	2868.425496214109	2729.6249121185366	2664.560376093424	2684.618023766813	65.24453595042124
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672	73	53952	71918.8586730335	339917.3170250766	-00.18134472653362	-00.5458348	366480.590198288	4338038.9397249541	2868.2239402733157	2727.432621743226	2663.379463327811	2704.326711393983	65.1054804541695
673	73	53953	72578.8586730335	339917.3170250766	-00.18133981566224	-00.5435074	366683.528990207	4338035.026219451	2868.184457736715	2726.2271307785813	2663.821770045614	2689.547242227722	65.0403563711995
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675	73	53955	73898.8586730335	339917.3170250766	-00.1813298453233	-00.5388527	367085.7034439313	4338028.04868649	2867.577971142192	2723.7950348849704	2663.3904887602017	2671.085612	65.4003508478021
676	73	53956	74558.8586730335	339917.3170250766	-00.1813248285463	-00.5365253	367286.590294533	4338023.141185887	2867.191623755803	2722.5646566383994	2662.50105560033	2663.4653042368433	61.361510823909
677	73	53957	75218.8586730335	339917.3170250766	-00.181319727834444	-00.534178	367487.6111861758	4338018.146889221	2867.2820436885336	2721.320991638114	2660.557515953437	2661.795115759813	60.76347658770713
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679	73	53959	76738.8586730335	339917.3170250766	-00.18130391011689	-00.5299432	367889.6511555473	4338011.203721845	2865.6504543612	2718.789760043223	2659.524587540494	2659.734021742454	60.90240164818364
680	73	53960	77198.8586730335	339917.3170250766	-00.18130415252384	-00.5272159	368090.741488795	4338007.23329561	2865.1474963832866	2658.217376296121	2658.676594571528	259.2794673474478	58.82026937516457
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686	73	53966	81158.8586730335	339917.3170250766	-00.5132517	369296.7886610253	339793.418768671	2797.906251575191	2709.297688307777	2644.176507544023	2644.56025845064	61.200345753576	64.73742945472168
687	73	53967	81818.8586730335	339917.3170250766	-00.5109243	369497.807470971	339792.3109529052	2797.906251575191	2709.297688307777	2644.176507544023	2644.56025845064	61.200345753576	64.73742945472168
688	73	53968	82478.8586730335	339917.3170250766	-00.508597	369698.8267074706	339795.451807385	2784.954550971414	2706.38141939045	2643.758301833015	2643.981152975612	71.6298401054391	71.6298401054391
689	73	53969	83138.8586730335	339917.3170250766	-00.5125501043585	-00.5062966	369898.845614919	433797.5115380122	2784.954550971414	2706.38141939045	2643.758301833015	2643.981152975612	71.6298401054391
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691	73	53971	84458.8586730335	339917.3170250766	-00.510494765	-00.5026965	370291.864500222	433795.45527368	2770.27411711308	2703.420274440985	2642.5880171133236	2641.51380274440985	71.6298401054391
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693	73	53973	85778.8586730335	339917.3170250766	-00.4969602	370703.9196236384	433795.45527368	2770.27411711308	2703.420274440985	2642.5880171133236	2641.51380274440985	71.6298401054391	71.6298401054391
694	73	53974	86438.8586730335	339917.3170250766	-00.4946328	370904.9336332554	433795.45527368	2770.27411711308	2703.420274440985	2642.5880171133236	2641.51380274440985	71.6298401054391	71.6298401054391
695	73	53975	87098.8586730335	339917.3170250766	-00.4923055	371105.955919802	433794.708879129	2770.27411711308	2703.420274440985	2642.5880171133236	2641.51380274440985	71.6298401054391	71.6298401054391

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKrg.f	BR/ElevBotKrg.f	Sat/KHm.f	Sat/KHtBoth.f
35	74	54055	-348501.1413	84057.7120250766	39.17715737121684	-102.0283376	238401.27966206678	4340805.77447548	3988.902427	35.05.1736085348034	3722.719804061347	3715.8226716273454	48.35430012866872	89.350468254798
36	74	54056	-347841.1413	84057.7120250766	39.17718106480568	-102.0260105	238602.42207724037	4340801.89	3965.712718027361	37.03.7226818180064	3729.433688745017	37.29.240726953959	74.26881344548937	74.4819522604738
37	74	54057	-347181.1413	84057.7120250766	39.17720475345167	-102.0236386	238803.5643317548	4340787.9828194	3962.522406343944	3802.274869595362	3734.017683913514	3739.206470696495	62.3568964902143	62.3568964904934
38	74	54058	-346521.1413	84057.7120250766	39.17722837150286	-102.0213564	239004.70813007696	4340793.522	3963.330309440747	3800.83279318985	3731.40462763543	3746.231134	70.7486775834653	70.54166361718939
39	74	54059	-345861.1413	84057.7120250766	39.17722596	-102.0190294	239205.8516681486	4340789.43760958	3956.195485309633	3799.39759837016	3728.42485334744	37.7027405871173	70.9724501827224	70.52004980184318
40	74	54060	-345201.1413	84057.7120250766	39.1772548972271	-102.0167023	239406.9944759904	4340785.35343606	3953.1094851029633	3797.964420357514	3725.1809567684163	3744.702297943831	72.7848616733512	72.614491920304
41	74	54061	-344541.1413	84057.7120250766	39.17722898	-102.0143753	239608.13796883152	4340781.27025788	3956.548224053805	3796.548224053805	3721.8145407830628	3742.11748566501	73.7400447066264	73.54307743889386
42	74	54062	-343881.1413	84057.7120250766	39.1773224251545	-102.0120482	239809.28073145042	4340779.10862713	3940.9337153503724	3796.135378923327	3718.043851	3740.930414050943	77.0195274266668	75.42496841823251
43	74	54063	-343221.1413	84057.7120250766	39.17734582148929	-102.0097124	240010.4232676654	4340787.3269534	3942.8851443714444	3802.274869595362	3734.017683913514	3739.206470696495	62.3568964902143	62.3568964904934
44	74	54064	-342561.1413	84057.7120250766	39.177389157530714	-102.0073541	240211.5654832684	4340789.021	3937.880343040523	3792.53266297266	3714.43098453324	3738.937137822738	80.8934675164027	83.3954246496927
45	74	54065	-341901.1413	84057.7120250766	39.17739248462172	-102.0050671	240412.7047567973	4340764.937172375	3932.8734455439249	3790.334495542640	3708.780194304213	3738.658070175151	82.2547337762967	82.28474837762967
46	74	54066	-341241.1413	84057.7120250766	39.17741548768205	-102.00274	240613.8492	4340760.85032596	3927.8147414473151	3789.562080999707	3707.253399472802	3738.938574539046	82.3094052690526	82.6244340666123
47	74	54067	-340581.1413	84057.7120250766	39.1774389676106	-102.0004129	240814.9067952821	4340767.75228147	3923.9607899932147	3786.190838799427	3706.205576067536	3741.156275809972	84.8803526909544	84.7708536647018
48	74	54068	-339921.1413	84057.7120250766	39.1774621422275	-101.9980895	241016.1318973764	4340752.69020389	3921.275705949435	3786.82716024399	3706.103965429065	3707.782655213987	80.737514953344	80.4305163301412136
49	74	54069	-339261.1413	84057.7120250766	39.177486271540308	-101.9967588	241217.2285844766	4340758.60808915	3918.5997120069738	3785.473391635177	3706.536661989994	3744.597703852827	80.72689717452369	80.6789831069488
50	74	54070	-338601.1413	84057.7120250766	39.1775083590308	-101.9943818	241418.4135622945	4340744.52609513	3915.905673011902	3784.128388513093	3708.216286851095	3743.17261357397	79.910171024982	80.49551272039107
51	74	54071	-337941.1413	84057.7120250766	39.1775339531734	-101.9911407	241619.5501107837	4340740.364311785	3914.705787173185	3782.792371606903	3710.694304826705	3744.3587122120925	79.678971233378	79.4836593948173
52	74	54072	-337281.1413	84057.7120250766	39.17755433981036	-101.9887776	241820.6942030517	4340746.36270089	3915.126054489526	3781.46556459626	3713.776818891325	3745.857261638093	76.6874757	76.6079442153324
53	74	54073	-336621.1413	84057.7120250766	39.1775733934414	-101.9864506	242021.83413806436	4340738.281285193	3915.501321285864	3780.480099738437	3717.190658701932	3744.289623818678	62.9570537194148	63.858385155165706
54	74	54074	-335961.1413	84057.7120250766	39.1776024303314	-101.9841235	242222.9738193273	4340728.20041913	3915.8765891221970	3780.8355182913	3720.7717026028	3709.716736309519	60.7884656	60.7884656
55	74	54075	-335301.1413	84057.7120250766	39.17762301537724	-101.9817964	242424.1132404387	4340724.11897879	3915.51684	3777.5404661524647	3724.4708501524647	3733.7576328245	53.099516310799574	43.7647028301931
56	74	54076	-334641.1413	84057.7120250766	39.17764592	-101.9794693	242625.2541317494	4340720.30890585	3914.422073233657	3776.25036579338	3727.735223876347	3730.760947989124	48.5142507233923	46.49941780123414
57	74	54077	-333981.1413	84057.7120250766	39.17766849242312	-101.9769842	242826.3913276654	4340715.9932942	3908.30946112818	3773.61897187454	3729.04913961337	3730.760947989124	55.789397280246	55.789397280246
58	74	54078	-333321.1413	84057.7120250766	39.1776914283976	-101.9748152	243027.5298959463	4340711.877	3912.2325407142314	3773.659528362986	3727.150901513394	3730.760947989124	61.54502483	61.54502483
59	74	54079	-332661.1413	84057.7120250766	39.1777140297035	-101.9724881	243228.6683915486	4340707.96527569	3908.7911717621324	3772.4934323486	3722.36316584102	3735.464697739246	50.8037175902404	39.86463958010592
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62	74	54082	-330681.1413	84057.7120250766	39.17778186255444	-101.9655098	243832.08207898616	4340695.55680309	3903.471077974414	3768.42634242457	3702.24897194752	3712.719679854362	66.3936911149362	55.9231624918807
63	74	54083	-330021.1413	84057.7120250766	39.1778063270888	-101.9631798	244033.2196327688	4340691.4868198	3901.68779777689	3767.284455123164	3698.64538142796	3707.3301158241615	69.8539158814877	59.8539158814877
64	74	54084	-329361.1413	84057.7120250766	39.1778287747078	-101.960872	244235.397515916	4340687.397515916	3900.26747873842	3766.204558177128	3698.204558177128	3706.2545843025	72.6229519317555	64.5025370372263
65	74	54085	-328701.1413	84057.7120250766	39.1778492803996	-101.9585256	244435.4395	4340683.312538735	3898.247776780955	3765.385065050952	3698.653165	3699.18103852484	77.7053408	65.1774029846763
66	74	54086	-328041.1413	84057.7120250766	39.1778719528746	-101.9561985	244636.3010851972	4340679.231917182	3898.827776379638	3762.890901572446	3694.26501	3762.890901572446	83.7128082001208	83.7128082001208
67	74	54087	-327381.1413	84057.7120250766	39.1778939135898	-101.9538715	244837.7648267626	4340670.16269988	3897.176546002384	3761.462378462384	3682.46510501181	3698.865846344308	78.96126796	62.56059409795398
68	74	54088	-326721.1413	84057.7120250766	39.177916188946256	-101.9515444	245038.9026039534	4340671.08154768	3889.91046637765	3759.36314333163	3681.115627778587	3697.7769221409	78.8481865553044	62.18722119157115
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71	74	54091	-324741.1413	84057.7120250766	39.17798274534323	-101.9445631	245642.30945524764	4340658.84652656	3884.19484807907	3755.92515293419	3678.176065076364	3698.48380871891	77.3864053	67.1114342152748
72	74	54092	-324081.1413	84057.7120250766	39.1780044091771	-101.942236	245844.4456643833	4340654.784674075	3881.4036132022535	3754.091544006264	3678.678037332744	3698.30975789893	75.4134603298948	67.7845827
73	74	54093	-323421.1413	84057.7120250766	39.1780268154658	-101.9399089	246044.57942431714	4340650.69309406	3878.73415791324	3752.618462673286	3675.9638637604702	3686.73224340302	76.5134603298948	67.7845827
74	74	54094	-322761.1413	84057.7120250766	39.17804889740664	-101.9375818	246245.7141326031	4340646.612995301	3876.064702629157	3751.142720122933	3675.2427227345897	3684.30435559857	75.8999973870261	63.67839964604785
75	74	54095	-322101.1413	84057.7120250766	39.17807087978064	-101.9352547	246446.848489633	4340642.536	3872.9071529250429	3749.637911587199	3674.4339065753463	3688.89941435712	75.8999973870261	63.67839964604785
76	74	54096	-321441.1413	84057.7120250766	39.1780937	-101.9329762	246647.9825950284	4340638.458	3869.26273677767137	3748.18125848774	3674.51261965847	3688.94967932386	73.6339635152722	79.18630574802818
77	74	54097	-320781.1413	84057.7120250766	39.1781163481968	-101.9306892	246849.1148619958	4340634.1486	3867.4431148619958	3747.18125848774	3674.51261965847	3688.94967932386	73.6339635152722	79.18630574802818
78	74	54098	-320121.1413	84057.7120250766	39.17813647051545	-101.9282734	247049.3055034272	4340630.30428427	3865.791308532764	3745.20103370897	3671.88960330869	3687.006576173843	71.731796214818	58.1945072702037
79	74	54099	-319461.1413	84057.7120250766	39.17815825146952	-101.9259463	247251.3834065589	4340626.227486677	3858.0581057156896	3743.701383120183	3670.90685791397	3681.5918954031736	72.746973287879	62.160947717009415

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	LatLongBoth.ft	SatKBoth.ft
161	74	54181	-265341.1413	840577.3170250766	39.17979133507869	-101.7351192	263743.4852288075	3440292.5464744195	3635.567815005494	3566.8096701474124	3562.397468227114	441220192	0.795973746298367
162	74	54182	-264681.1413	840577.3170250766	39.1796935338026	-101.732176	263944.5984949604	3440288.464465285	3640.321753311015	3564.2755089538	3562.769919873867	441220192	3.3515104216580007
163	74	54183	-264021.1413	840577.3170250766	39.179627339074815	-101.7306468	264145.711527139	3440284.422988434	3641.138611018615	3561.713690369108	3563.326943366416	441220192	8.175447364574122
164	74	54184	-263361.1413	840577.3170250766	39.1796453115951	-101.7281732	264346.8242772736	3440276.861530128	3642.02264000464	3559.150803111515	3551.5921854205912	441220192	4.66923663287181
165	74	54185	-262701.1413	840577.3170250766	39.17968326662155	-101.7258104	264547.9368938364	3440276.300240062	3649.905445	3556.582539005557	3549.435450592652	441220192	2.7144452307649975
166	74	54186	-262041.1413	840577.3170250766	39.17981137134466	-101.7234832	264749.0492276164	3440272.313913052	3652.788241989235	3540.4133893223806	3548.435550838524	441220192	7.573848338567245
167	74	54187	-261381.1413	840577.3170250766	39.17986896268919	-101.7211559	264950.1613288163	3440276.178200271	3653.407819938564	3551.440811066484	3546.79325065239	441220192	4.65083404109382
168	74	54188	-260721.1413	840577.3170250766	39.1799167413269	-101.718287	265151.2731976385	3440264.117	3651.953179013004	3548.873723080219	3545.704573	441220192	5.166496052798052
169	74	54189	-260061.1413	840577.3170250766	39.17995447897783	-101.7161615	265352.364632919	3440260.058971782	3654.83536832153	3546.302258733545	3543.673340110481	441220192	2.628919632103503
170	74	54190	-259401.1413	840577.3170250766	39.17998216960386	-101.7141743	265553.492879835	3440255.996	3648.917897051308	3543.729419475381	3541.853425257883	441220192	2.045987221574282
171	74	54191	-258741.1413	840577.3170250766	39.17996881546051	-101.7118471	265574.60741190333	3440251.936	3644.961417166852	3541.1555375756894	3539.2462917712423	441220192	1.909282004
172	74	54192	-258081.1413	840577.3170250766	39.17996741627777	-101.7095199	265655.7813254774	3440247.87627629	3638.56698378806	3538.581284700166	3536.6342805934537	441220192	1.944004106714844
173	74	54193	-257421.1413	840577.3170250766	39.18000497214565	-101.7071926	265616.8290632906	3440243.816383106	3632.1707795907605	3536.007370665489	3533.562799686847	441220192	1.470570978813272
174	74	54194	-256761.1413	840577.3170250766	39.1800224306412	-101.7048654	266357.939621656	3440239.757	3625.775460802114	3533.438556607144	3530.6627478986693	441220192	3.456463254559505
175	74	54195	-256101.1413	840577.3170250766	39.18003994903312	-101.7025382	266559.69749090717	3440235.697212004	3618.740580733324	3530.8602059919397	3527.6404229522177	441220192	2.77170677440593
176	74	54196	-255441.1413	840577.3170250766	39.18005737050282	-101.700211	266760.1598072926	3440231.637864111	3611.0611938258	3528.28657378162	3524.4316055553345	441220192	3.930510511756183
177	74	54197	-254781.1413	840577.3170250766	39.18007474612259	-101.6987887	266861.2696	3440227.57876115	3603.39168031853	3525.71362	3522.431511	441220192	3.526970139235658
178	74	54198	-254121.1413	840577.3170250766	39.18009270274303	-101.6955565	267162.3791502971	3440219.51980109	3595.71768611178	3523.140452069281	3517.955299	441220192	3.81815200939027
179	74	54199	-253461.1413	840577.3170250766	39.18010936341389	-101.6932293	267363.4884765148	3440219.46121386	3585.473783434688	3520.568223100348	3516.74164545125673	441220192	5.806758587780678
180	74	54200	-252801.1413	840577.3170250766	39.180126604635085	-101.690902	267654.59728159195	3440215.402410345	3572.6612784080957	3517.9966482954524	3511.693353271915	441220192	6.303292968350888
181	74	54201	-252141.1413	840577.3170250766	39.18014380996602	-101.6885748	267765.79643940667	3440211.34001755	3559.88473344343	3515.4264612242424	3508.828563370725	441220192	5.181206605794086
182	74	54202	-251481.1413	840577.3170250766	39.18015222267876	-101.6862476	267964.8107649075	3440207.265760038	3547.037626879804	3512.5682211973976	3503.625957580873	441220192	6.686971364478873
183	74	54203	-250821.1413	840577.3170250766	39.18016365800075	-101.6839622	268167.9234847207	3440203.27299172	3542.16108555555	3507.4898022947635	3503.631611295983	441220192	5.6783484096833
184	74	54204	-250161.1413	840577.3170250766	39.18019510202316	-101.6815931	268369.0316269612	3440199.17	3545.223255119769	3507.732935885442	3501.56421735756	441220192	6.16874025008376
185	74	54205	-249501.1413	840577.3170250766	39.18021214	-101.6792589	268570.1386127571	3440191.112113371	3548.285481578561	3505.72656738997	3499.4540423876624	441220192	5.272625452334594
186	74	54206	-248841.1413	840577.3170250766	39.18022918018615	-101.6769386	268771.2473338654	3440194.05489622	3551.347581403663	3502.625144997071	3497.3756064905747	441220192	5.249538506496265
187	74	54207	-248181.1413	840577.3170250766	39.18024604591605	-101.6746114	268972.58624939	3440186.99724489	3550.869873049046	3500.078891511793	3495.810911264464	441220192	5.06642418320484
188	74	54208	-247521.1413	840577.3170250766	39.180262916214694	-101.6722842	269173.4621	3440182.94079394	3546.852294723766	3497.538802595804	3493.8273889058034	441220192	5.3711436949458043
189	74	54209	-246861.1413	840577.3170250766	39.18027975288788	-101.6699686	269374.69171279	3440178.883939897	3545.8347416386983	3495.905176784545	3493.8273889058034	441220192	5.353138349670654
190	74	54210	-246201.1413	840577.3170250766	39.18029164611111	-101.6676297	269575.74190574	3440174.826280999	3542.16108555555	3492.477911941004	3493.8273889058034	441220192	5.092786162406461
191	74	54211	-245541.1413	840577.3170250766	39.180313291384394	-101.6653204	269776.7825	3440170.76968111	3538.589301904565	3489.9581604862065	3487.032382724895	441220192	5.332033605955
192	74	54212	-244881.1413	840577.3170250766	39.1803299932765	-101.6629752	269977.888698886	3440166.71320944	3545.152054625628	3487.45811145773	3485.20986876513	441220192	5.272422692598666
193	74	54213	-244221.1413	840577.3170250766	39.18034665008089	-101.6606479	270178.9494956334	3440162.65683983	3550.71311	3484.94077406357	3482.83902874357	441220192	5.092786162406461
194	74	54214	-243561.1413	840577.3170250766	39.18036326204064	-101.6583207	270380.1009	3440158.600495325	3556.275014198557	3482.429569734707	3480.472904979394	441220192	1.975257980766995
195	74	54215	-242901.1413	840577.3170250766	39.18037962897714	-101.6558938	270581.2056587856	3440154.44383849	3563.167144868163	3478.625623395974	3478.129082759714	441220192	3.49939974075133
196	74	54216	-242241.1413	840577.3170250766	39.180396310007	-101.6536662	270782.3120123073	3440150.489	3547.4689021520135	3477.4689021520135	3477.4689021520135	441220192	1.9626181692246974
197	74	54217	-241581.1413	840577.3170250766	39.18041282807284	-101.651339	270983.4172313957	3440146.435634549	3549.918807003178	3474.991803282386	3474.991803282386	441220192	1.632735283058268
198	74	54218	-240921.1413	840577.3170250766	39.18042926019541	-101.6490117	271184.522224559	3440142.37875337	3547.834214507423	3472.5225950516506	3471.1530189135483	441220192	3.49939974075133
199	74	54219	-240261.1413	840577.3170250766	39.18044564736777	-101.6466845	271385.6269910677	3440138.323051535	3590.3473689108005	3470.006979350444	3470.006979350444	441220192	1.069578279896
200	74	54220	-239601.1413	840577.3170250766	39.18046198589895	-101.6443572	271586.7315321191	3440134.28606969	3587.15523	3467.6069237156894	3468.011122809147	441220192	3.49939974075133
201	74	54221	-238941.1413	840577.3170250766	39.18047826868166	-101.64203	271787.838475297	3440130.12333685	3583.951623	3465.16049898732	3465.118902999341	441220192	3.48849811853047
202	74	54222	-238281.1413	840577.3170250766	39.1804853919124	-101.6397027	271988.5400370301	3440126.158574142	3580.752505097497	3462.7218813080545	3464.323581714748	441220192	3.48849811853047
203	74	54223	-237621.1413	840577.3170250766	39.18050236947876	-101.637419	272189.6696969696	3440122.104	3578.2694462387	3460.389876896989	3460.389876896989	441220192	3.48849811853047
204	74	54224	-236961.1413	840577.3170250766	39.18052609896312	-101.6350842	272391.147521096	3440118.407970471	3577.158440037178	3459.44844071753	3451.32534357512	441220192	3.48849811853047
205	74	54225	-236301.1413	840577.3170250766	39.180543026453435	-101.6327209	272592.2509571229	3440113.956677135	3569.6785056758863	3455.433675173653	3460.418484700339	441220192	3.48849811853047
206	74	54226	-235641.1413	840577.3170250766	39.1805609897335	-101.6303937	272793.3541745704	3440109.942	3551.8584273024117	3453.01091736551	3458.467976555453	441220192	3.479250276480625
207	74	54227	-234981.1413	840577.3170250766	39.180575126542784	-101.6280664	272994.551135922	3440105.8879745848	3548.708073683668	3450.98182204054	3456.3995848726036	441220192	3.479250276480625
208	74	54228	-234321.1413	840577.3170250766	39.180591190161725	-101.6257392	273195.598545768	3440101.83491924	3550.124848337515	3448.1780212672	3455.398221369043	441220192	3.479250276480625
209	74	54229	-233661.1413	840577.3170250766	39.18060704883015	-101.623419	273396.5627353233	3440097.781	3550.124848337515	3448.1780212672	3455.398221369043	441220192	3.479250276480625
210	74	54230	-233001.1413	840577.3170250766	39.180623056478	-101.621048	273597.746674789	3440093.1277378					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
287	74	54307	-182181.1413	840577.3170250766	39.18171169005356	-101.4418826	289081.9856470389	4339782.166607489	3454.432192015782	3225.2226758185643	3226.586025021094	3285.3281716743003	32.60065797470338
288	74	54308	-181521.1413	840577.3170250766	39.18172407654819	-101.4395653	289283.0712	433978.71234911	3451.562106879236	3220.5420244254583	3220.443790500335	3283.41905120041	30.4896674545587
289	74	54309	-180961.1413	840577.3170250766	39.18172641905396	-101.4372728	289484.1564636592	433979.749634174	3448.68110158692	3216.232631826167	3216.232631826167	3282.32464847718	34.6815132
290	74	54310	-180201.1413	840577.3170250766	39.181748714667066	-101.4343006	289542.1545303312	433980.0243919182	3456.809602431114	3246.6105551768854	3206.935554870365	3279.65840628292	36.9750013198489
291	74	54311	-179541.1413	840577.3170250766	39.18176096629745	-101.4325733	289886.3268388733	433976.610554014	3442.767645890477	3244.582032	3200.6909247328084	3272.506523135098	43.97300727445145
292	74	54312	-178881.1413	840577.3170250766	39.18177317295172	-101.430246	290087.4110313674	433979.1978129729	3442.660214379989	3194.0414465786534	3257.36742742171	32.61876780133571	0
293	74	54313	-178221.1413	840577.3170250766	39.18178536439999	-101.4279186	290288.496463171	433975.933999024	3436.352824869575	3240.856641096439	3184.812607348304	3237.445597450337	34.110833174805861
294	74	54314	-177561.1413	840577.3170250766	39.181779745	-101.4255913	290498.5799634724	433975.8953891	3433.146431405938	3239.1818979427344	3178.282116926249	3214.472555323797	60.990791016485576
295	74	54315	-176901.1413	840577.3170250766	39.18178641905396	-101.4232728	290694.6187912117	433974.98387	3427.330200577946	3232.9721816514862	3171.9003198918676	3152.427836761985815	55.46336761698515
296	74	54316	-176241.1413	840577.3170250766	39.181821550157856	-101.4205369	290881.7457333035	433974.81950477	3427.947185200732	3236.243194567614	3164.7686473108655	3177.348532134373	58.2948625202641
297	74	54317	-175581.1413	840577.3170250766	39.18183633207145	-101.4186903	291092.831467085	433974.781830226	3427.801678600524	3234.80360569138	3162.151947875868	3160.065782907284	72.42502717447099
298	74	54318	-174921.1413	840577.3170250766	39.18184569032204	-101.4162819	291293.9145517495	433977.744334065	3423.8611488901914	3233.85186248705	3163.50327861834	3186.03697694519	70.34858387
299	74	54319	-174261.1413	840577.3170250766	39.181857361040045	-101.4139546	291494.9971525936	433973.700716302	3420.029115692737	3227.847846575248	3167.235767475386	3165.027091	42.06800126125336
300	74	54320	-173601.1413	840577.3170250766	39.18186920804966	-101.4116273	291696.0807454429	433972.669876029	3416.3880218273524	3221.9583112938967	3172.2184802101656	3184.03651451906	59.7398310837311
301	74	54321	-172941.1413	840577.3170250766	39.18188101019696	-101.4092999	291897.1635	433972.63219543	3412.74694072735	3221.76318310613	3177.445964786688	3192.888196401336	38.25826219892724
302	74	54322	-172281.1413	840577.3170250766	39.18189273745964	-101.4069726	292098.2461195504	433971.9513331	3408.105862330028	3220.478615847205	3182.528848027716	3189.728735040012	47.9468691950897
303	74	54323	-171621.1413	840577.3170250766	39.18191048	-101.4044452	292299.3285	433971.559290875	3406.135562959078	3229.87867898695	3187.141367869852	3187.2801739152323	42.716500001709846
304	74	54324	-170961.1413	840577.3170250766	39.18191614678502	-101.4023179	292504.01467300783	433971.52310237	3403.836294354436	3229.307839510276	3190.7061196253075	3187.19253253275	41.8249067236572
305	74	54325	-170301.1413	840577.3170250766	39.18192776907502	-101.3999905	292701.4926433615	433970.948655804	3401.536524393034	3228.816805901363	3192.204409794099	3185.473587670005	36.62139619603748
306	74	54326	-169641.1413	840577.3170250766	39.18193346411966	-101.3976632	292902.5744	433970.45078662	3397.275092716334	3228.3788269	3190.6513664706084	3177.238246	37.7620328696913
307	74	54327	-168981.1413	840577.3170250766	39.18195087879582	-101.3953358	293103.656	433970.415	3396.183273519035	3227.986978	3186.851260506286	3171.730290500281	41.1357723296308
308	74	54328	-168321.1413	840577.3170250766	39.18196326622661	-101.3930085	293304.73733173555	433969.745	3392.37576905345	3227.635944843486	3181.020996	3170.4054117662464	46.4508491144534
309	74	54329	-167661.1413	840577.3170250766	39.1819741842701	-101.3904256	293519.850846577	433969.434849693	3392.474165837535	3227.46318198279	3182.460218198279	3170.4054117662464	46.4508491144534
310	74	54330	-167001.1413	840577.3170250766	39.181985026228795	-101.3883538	293706.894393834	433969.308203904	3394.759430461788	3227.028842026907	3185.466521487486	3165.251983370722	51.6522053320489
311	74	54331	-166341.1413	840577.3170250766	39.18199655880013	-101.3860264	293907.880188442	433969.237115528	3385.0280245036683	3226.73229437561	3158.024559433055	3160.174382170726	68.8884726728866
312	74	54332	-165681.1413	840577.3170250766	39.18200787	-101.3836991	294109.607473685	433968.28116266	3389.35145886533	3226.517128005045	3152.482454610427	3178.284677418545	58.23866031
313	74	54333	-165021.1413	840577.3170250766	39.18201912908329	-101.3813717	294310.1410781362	433967.20329528	3388.6277200216	3226.2879908498744	3149.359674405707	3192.955167405707	33.3174892313582
314	74	54334	-164361.1413	840577.3170250766	39.1820304679504	-101.3790044	294511.221194372	433967.16862515	3386.012989551888	3226.078382895266	3149.571582584616	3176.4952186	58.9782276084992
315	74	54335	-163701.1413	840577.3170250766	39.182041519553515	-101.376717	294712.3011583013	433966.61882056	3384.621819837215	3225.9721816514862	3152.460218198279	3170.4054117662464	46.4508491144534
316	74	54336	-163041.1413	840577.3170250766	39.1820525635875	-101.3743897	294913.38089512166	433965.0999021	3382.679187773796	3225.6919353018	3156.49555145206	3162.64126753827	0
317	74	54337	-162381.1413	840577.3170250766	39.18206373	-101.3720623	295114.4604	433966.1051798	3397.348360491176	3225.500514682217	3225.500514682217	3163.6336220729306	0
318	74	54338	-161721.1413	840577.3170250766	39.1820747810934	-101.369735	295315.9375342804	433965.01864579	3396.2164214808556	3225.348626441202	3168.066554142507	3223.390148116615	57.2583048999505
319	74	54339	-161061.1413	840577.3170250766	39.182085705463	-101.3674076	295516.6189953278	433965.981132075	3393.323984519654	3225.153488728564	3174.581142463409	3197.7867345818	50.5722964080722
320	74	54340	-160401.1413	840577.3170250766	39.18209671	-101.3650803	295717.6978259714	433964.964540074	3388.687437660419	3224.98437660419	3181.971208453016	3170.4054117662464	46.4508491144534
321	74	54341	-159741.1413	840577.3170250766	39.18210761208518	-101.3627529	295918.7585654293	433964.30114576	3384.045254	3224.814596671504	3188.830335990756	3152.7249841515182	56.9846202709245
322	74	54342	-159081.1413	840577.3170250766	39.182118470136015	-101.3604256	296179.850846577	433964.08792802	3382.474165837535	3224.640218198279	3182.460218198279	3170.4054117662464	46.4508491144534
323	74	54343	-158421.1413	840577.3170250766	39.18212928302162	-101.3580982	296320.933412675	433963.86498002	3374.325845158627	3224.450843817816	3202.5105363188363	3161.260277233056	61.8900451398459
324	74	54344	-157761.1413	840577.3170250766	39.18214005148051	-101.3557708	296522.01154047623	433963.320297925	3377.86344957471	3224.2180320146676	3200.077825405	3097.2597573299505	42.0424964726243
325	74	54345	-157101.1413	840577.3170250766	39.18215077	-101.3534435	296723.0846869653	433962.79934774	3378.384314977792	3223.902558548326	3197.361979767759	3098.298725197944	26.5405787805643
326	74	54346	-156441.1413	840577.3170250766	39.18216145297682	-101.3511161	296924.167195624	433962.76643889	3378.450180207987	3223.4827779249194	3193.738907485418	3182.626393639415	37.470434350128
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328	74	54348	-155121.1413	840577.3170250766	39.18218267465918	-101.3464814	297326.3221	433961.763701231	3383.057006014648	3222.47177009582	3185.820535506737	3178.09681226337	36.6563439125108
329	74	54349	-154461.1413	840577.3170250766	39.182193241908584	-101.344212	297534.9816948534	433961.230812014	3381.98987198987	3222.47177009582	3185.820535506737	3178.09681226337	36.6563439125108
330	74	54350	-153801.1413	840577.3170250766	39.182203716527376	-101.3418067	297722.4471012345	433960.638012054	3382.74703073681	3221.4088224034382	3180.67339400738	3172.04214274411	1.868121494196166
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332	74	54352	-152481.1413	840577.3170250766	39.18222145785646	-101.3371519	298130.642762574	433960.576560397	3387.986531844303	3220.337059474782	3176.5911156418333	3182.054048589683	42.8634290899735
333	74	54353	-151821.1413	840577.3170250766	39.182234424182994	-101.3348246	298331.70850590504	433960.54430382	3386.945712109913	3219.806368184318	3171.7078844897155	3173.076400636219	48.09848168760254
334	74	54354	-151161.1413	840577.3170250766	39.18224526	-101.3324972	298532.7819409104	433960.512325101	3385.90482376533	3219.79578783627	3170.53788200384	3211.7027446351575	48.71696732433136
335	74	54355	-150501.1413	840577.3170250766	39.18225655451515	-101.3301698	298733.8577771443	433960.482					

ix	iy	x	Y.R	Latitude	Longitude	UTM.Y	SurfLev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatThKgr.f	SatThBoth.f		
413	74	54433	-90221.14133	84057.71720250766	39.182918378620734	-101.1486338	314417.1873518702	4339274.620205957	3258.888088403383	311.45.476239331347	3071.182576896737	3072.462590451461	34.29388849457774	43.0136738398368
414	74	54434	-90361.14133	84057.71720250766	39.18292510091718	-101.146361	314818.24528138936	4339270.60397372	3259.950456157646	311.43.3234848246	3068.772122975431	3071.451190481476	41.90572149965329	43.0136738398368
415	74	54435	-97101.14133	84057.71720250766	39.18291776256572	-101.1438767	314819.3062911337	4339266.4903289573	3258.45561219864	311.19381974895732	3068.825941869574	3072.462590451461	34.29388849457774	43.0136738398368
416	74	54436	-97041.14133	84057.71720250766	39.1829381064857	-101.146163	31505.8073173303183	4339250.702177715	3255.8073173303183	310.970670794257	3068.85295936054	3068.85295936054	42.23430858261912	43.0136738398368
417	74	54437	-96381.14133	84057.71720250766	39.1829449808017	-101.1393239	315221.43008006703	4339258.533901018	3252.6917311358663	310.705042468264	3065.397699378731	3065.82634438872	41.60772326809547	41.7888800795456
418	74	54438	-95721.14133	84057.71720250766	39.182915405578	-101.1369964	315422.490237078	4339245.35775734	3249.57449614154	310.4475446144354	3064.064940664703	3062.15546073063	3062.15546073063	42.23430858261912
419	74	54439	-95061.14133	84057.71720250766	39.1829683087842	-101.134669	315623.5503064017	4339250.521791919	3247.048390839704	310.2409493	3062.896484658445	3060.8679611320945	40.00820850505345	42.23430858261912
420	74	54440	-94401.14133	84057.71720250766	39.182964490645055	-101.1323416	315824.0181483403	4339246.50003631	3247.082015628936	310.0885949181543	3061.6248416247886	3060.32058318624	40.00820850505345	42.23430858261912
421	74	54441	-93741.14133	84057.71720250766	39.1829708895969	-101.1300142	316025.606897344	4339242.4903289573	3246.45561219864	309.85859598752173	3060.6254065152096	3059.255998	38.8205153682145	38.8205153682145
422	74	54442	-93081.14133	84057.71720250766	39.1827726051329	-101.127688	316226.7230278684	4339238.475991518	3245.83153521985	309.0100988963	3058.29189307751	3058.122890125043	38.8171458193291	38.8171458193291
423	74	54443	-92421.14133	84057.71720250766	39.182635378614866	-101.1253594	316427.78859170154	4339244.45930154	3244.458447480984	309.343747480984	3057.0892540771695	3056.98136516793	37.781703702897	37.781703702897
424	74	54444	-91761.14133	84057.71720250766	39.1829985136139	-101.123032	316628.847125843	4339230.44642547	3242.32635858044	309.262685895948	3055.40250080511	3055.89451596095	37.18801850094378	37.18801850094378
425	74	54445	-91101.14133	84057.71720250766	39.18296907915287	-101.120746	316829.9067	4339226.492723359	3240.197835257604	309.01488246318882	3053.3359797402845	3053.0594977573383	37.12548691603371	37.12548691603371
426	74	54446	-90441.14133	84057.71720250766	39.18300221989206	-101.1183771	317030.0641567205	4339212.44099378	3238.06931259959	308.9132052896813	3051.5767456179497	3050.124165589473	37.555306671731614	37.0078860205745
427	74	54447	-89781.14133	84057.71720250766	39.1830039997061	-101.1160497	317232.023998907	4339218.40453202	3238.1895939172697	307.2325011485905	3049.939836522135	3050.42153456232	37.2596462455468	36.8117073196724
428	74	54448	-89121.14133	84057.71720250766	39.18301448279684	-101.1137223	317433.0820413895	4339214.386042129	3234.558675410283	308.53502611235976	3048.390190580185	3048.6973729047145	37.0130427657906	36.6528822788307
429	74	54449	-88461.14133	84057.71720250766	39.18302054076796	-101.1113949	317634.140625789	4339210.372	3232.7577566487	308.3485361092895	3048.821641962425	3048.99838309866	36.6031968972339	36.49690270208904
430	74	54450	-87801.14133	84057.71720250766	39.183026543739374	-101.1090675	317835.19867146906	4339206.358	3231.296375986655	308.3167743138452	3045.5733847181427	3045.321343986992	36.0643564203042	36.1590511546001
431	74	54451	-87141.14133	84057.71720250766	39.1830258184487	-101.1067401	318036.256388697	4339202.34404151	3228.828055	307.978073594687266	3044.269520903129	3043.74313888095	35.9673836556976	36.0641800799175
432	74	54452	-86481.14133	84057.71720250766	39.18303841495063	-101.1044127	318237.3142275533	4339198.33028263	3228.684205095683	307.97482485491423	3043.028133209744	3043.9717026510806	35.43613123979404	35.43613123979404
433	74	54453	-85821.14133	84057.71720250766	39.18304248310122	-101.1026852	318438.43717383952	4339194.168699255	3227.484751142897	307.76197029932471	3041.325726737877	3040.35507029793	34.87349031604299	35.5454972904538
434	74	54454	-85161.14133	84057.71720250766	39.18305016226627	-101.0997578	318639.4291712797	4339190.30395317	3226.286093971262	307.47412371555178	3038.039014047436	3038.12102037039	35.732057707576	36.2932171181872
435	74	54455	-84501.14133	84057.71720250766	39.18305869919137	-101.0974504	318849.4622618187	4339185.45918527	3225.45851219864	307.34847125442927	3036.424547152442927	3036.424547152442927	35.4748217544444	35.4748217544444
436	74	54456	-83841.14133	84057.71720250766	39.18306161782205	-101.095103	319041.5430240327	4339182.277517564	3224.104295840667	307.081425958187	3034.60570519908	3033.7832213470423	36.27495548	37.09824621847344
437	74	54457	-83181.14133	84057.71720250766	39.18306730519183	-101.0927756	319242.6000447784	4339178.275474761	3219.77669025872	306.127681742086	3032.886913936438	3032.05755104204	36.24095423784274	37.0703717185737
438	74	54458	-82521.14133	84057.71720250766	39.18307294592625	-101.0904481	319434.65682057	4339174.252149273	3217.11642643076	306.7381863962395	3032.037517719359	3031.12242534347	36.25926143192355	37.0078860205745
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440	74	54460	-81201.14133	84057.71720250766	39.18308041110337	-101.0857933	319845.76934468176	4339166.27490026	3212.176683218984	306.3.892773495646	3031.9596742284134	3029.834532168294	31.933099267232592	34.05820327881661
441	74	54461	-80541.14133	84057.71720250766	39.18308699919137	-101.0834685	320046.4258143189	4339162.215426809	3208.474819748625	306.2.9438121991	3030.938282684442	3029.834532168294	31.933099267232592	34.05820327881661
442	74	54462	-79881.14133	84057.71720250766	39.1830913549924	-101.0811389	320247.88135534996	4339158.20354024	3206.77235405024	306.1934869287783	3030.2490465230998	3030.16156300171284	31.933099267232592	34.05820327881661
443	74	54463	-79221.14133	84057.71720250766	39.183100482071695	-101.078811	320448.9065780651695	4339154.181312535	3204.858137336531	306.506591519501	3030.154762883644	3031.177912471502	31.933099267232592	34.05820327881661
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447	74	54467	-76581.14133	84057.71720250766	39.18312171691304	-101.0699014	321253.1583046898	4339138.14676785	3200.580202071748	306.5028989664467	3029.1257321192915	3029.1257321192915	31.933099267232592	34.05820327881661
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449	74	54469	-75261.14133	84057.71720250766	39.1831293061320	-101.0648485	321602.568289068	4339130.125968281	3198.756831022	306.3088105646	3028.100921850711	3028.100921850711	31.933099267232592	34.05820327881661
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451	74	54471	-73941.14133	84057.71720250766	39.1831422246946	-101.0601917	322057.367128973	4339122.10453976	3197.40618696223	306.421806604074	3028.100921850711	3028.100921850711	31.933099267232592	34.05820327881661
452	74	54472	-73281.14133	84057.71720250766	39.183147236470234	-101.0578643	322258.4306788952	4339118.04452827	3196.8022455482	306.40195068129514	3028.100921850711	3028.100921850711	31.933099267232592	34.05820327881661
453	74	54473	-72621.14133	84057.71720250766	39.18315220551566	-101.0555368	322459.4848708972	4339114.08480972	3195.823197520807	306.307411545668	3027.93141545668	3027.93141545668	31.933099267232592	34.05820327881661
454	74	54474	-71961.14133	84057.71720250766	39.1831571269457	-101.0532904	322660.5330	4339110.057	3195.82348519456	306.3088105646	3027.93141545668	3027.93141545668	31.933099267232592	34.05820327881661
455	74	54475	-71301.14133	84057.71720250766	39.18316291373513	-101.0510454	322862.5332737343	4339106.107	3195.82348519456	306.3088105646	3027.93141545668	3027.93141545668	31.933099267232592	34.05820327881661
456	74	54476	-70641.14133	84057.71720250766	39.183167942919704	-101.0485546	323062.546804901	4339102.057147845	3195.82348519456	306.3088105646	3027.93141545668	3027.93141545668	31.933099267232592	34.05820327881661
457	74	54477	-69981.14133											

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Lgs.Kg.r	BR Elev.Lgs.Kg.r	SatH.Lgs.Kg.r	SatH.Lgs.Kg.r	
539	54	54559	-15981.14133	84057.7170250766	-00.183411364612276	-00.8555775	339749.499280679	4338769.8919014195	2021.775970979854	2926.5861983270175	2893.5728698173184	2892.727064623188	30.313560969905	33.85912170382926
540	54	54560	-15201.14133	84057.7170250766	-00.183412422515254	-00.8535001	33959.5366599760	4338765.897	2022.8672225413112	2925.4964447206313	2897.087553	2896.527551381148	28.4088913511408	28.96889153169741
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542	54	54562	-13891.14133	84057.7170250766	-00.18483952	-00.8483952	34052.618741099	4338759.905	2028.0407758261226	2925.215428596522	2906.80386707688	29.3815959574968	16.40415614909716	28.96889153169741
543	54	54563	-13221.14133	84057.7170250766	-00.18341532648908	-00.8460678	34053.65345470037	4338753.917502575	2029.5346636832	2922.02469294962	2907.07448907342	29.6075663634841	14.7447860217522854	14.45610562012098
544	54	54564	-12561.14133	84057.7170250766	-00.18341625046865	-00.8437403	34075.46966	4338749.920303905	2030.4313295705876	2920.804368626707	2905.523523271718	29.055919767	15.28048534951904	14.84840160363741
545	54	54565	-11901.14133	84057.7170250766	-00.1834170369278	-00.8414129	34095.7359199116	4338745.92321367	2031.289192543424	2919.564063136508	2903.97029418341	29.04232751757252	15.28048534951904	15.28048534951904
546	54	54566	-11241.14133	84057.7170250766	-00.18341782586057	-00.8390864	34115.774225004	4338741.934	2032.170554386926	2920.348434584	2903.06840471776	29.03132952070054	15.28048534951904	15.28048534951904
547	54	54567	-10581.14133	84057.7170250766	-00.18341856997252	-00.8369758	34137.817253465	4338737.942049281	2033.84969450229	2917.0258468174284	2902.274774009827	29.0258468174284	14.7447860217522854	14.7447860217522854
548	54	54568	-9921.14133	84057.7170250766	-00.1834196208282	-00.8344306	34155.8911711247	4338733.4729151	2035.723934462974	2915.73240588507	2901.089430012266	29.01289430012266	14.45610562012098	14.45610562012098
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551	54	54571	-7941.14133	84057.7170250766	-00.1834210923617	-00.8274482	34216.1954332107	4338721.96891511	2041.783272556417	2911.783272556417	2892.966510365696	28.9261731808493	14.7447860217522854	14.7447860217522854
552	54	54572	-7281.14133	84057.7170250766	-00.183421610794234	-00.8251028	34233.00321283254	4338717.9749055	2043.190479466327	2910.456431390409	2886.30597451614	28.86858019	14.2504567424481	14.2504567424481
553	54	54573	-6621.14133	84057.7170250766	-00.8227394	34264.046389254	4338713.984219958	4338713.984219958	2045.128903730568	2909.1328482231693	2879.54611045444	29.0717326415972	29.46203386257198	29.46203386257198
554	54	54574	-5961.14133	84057.7170250766	-00.8204659	34275.07831169554	4338709.92137222	4338709.92137222	2047.3017322657876	2907.820338218996	2873.179559155385	28.7343031412236	28.7343031412236	28.7343031412236
555	54	54575	-5301.14133	84057.7170250766	-00.8181185	34296.1156313452	4338706.00203628	4338706.00203628	2049.3043895177103	2906.532199531604	2867.67848692554	28.6787757933467	28.6787757933467	28.6787757933467
556	54	54576	-4641.14133	84057.7170250766	-00.8158111	343167.152790817	4338702.00800776	4338702.00800776	2051.2905040955584	2905.28302409008	2862.761743179071	28.621967193719303	42.3211435897161	42.3211435897161
557	54	54577	-3981.14133	84057.7170250766	-00.8134836	34336.18862110305	4338680.016947051	4338680.016947051	2053.006417123455	2904.0883115619404	2858.6192840315603	28.5846116718105	45.4279048383557	45.4279048383557
558	54	54578	-3321.14133	84057.7170250766	-00.8111562	34369.22667361953	4338672.05266947	4338672.05266947	2055.190721251205	2902.968005205107	2855.40399428518	28.555180321451	47.4776011939821	47.4776011939821
559	54	54579	-2661.14133	84057.7170250766	-00.8088287	34397.263823673	4338660.03498558	4338660.03498558	2057.3001857392124	2901.890159373214	2852.449305917175	28.52412294030366	49.048294030366	49.048294030366
560	54	54580	-2001.14133	84057.7170250766	-00.8069103	34379.299639976	4338656.03437073	4338656.03437073	2059.37118823415	2900.872506911232	2850.08574393061	28.503492516727	49.370132530366	49.370132530366
561	54	54581	-1341.14133	84057.7170250766	-00.8049788	34379.299639976	4338652.03437073	4338652.03437073	2061.8498168415684	2900.872506911232	2850.08574393061	28.503492516727	49.370132530366	49.370132530366
562	54	54582	-681.14133	84057.7170250766	-00.8018454	34437.372598721	4338670.01623078	4338670.01623078	2063.616240052245	2898.925343142244	2847.57653770303	28.4752519259745	52.34767716411945	50.07104894
563	54	54583	-21.14133	84057.7170250766	-00.7995919	34457.44087	4338671.07321545	4338671.07321545	2065.4712699117134	2844.758203033727	2847.43262854891	28.3210574004724	50.5386232622844	50.5386232622844
564	54	54584	338.85867303514	84057.7170250766	-00.7971915	34475.4446515656	4338670.01007499	4338670.01007499	2067.166767830961	2897.0206404357295	2847.333807737217	28.476685593238584	53.6868329851272	49.35208110287125
565	54	54585	1298.85867303514	84057.7170250766	-00.7948641	34497.6840512714	4338666.0908416	4338666.0908416	2069.766767830961	2896.09115031963	2842.115656515234	28.4252599343681	46.8435809762842	46.8435809762842
566	54	54586	1918.85867303514	84057.7170250766	-00.7925366	34517.7151610193	4338662.10908665	4338662.10908665	2076.372478908613	2895.113689395274	2840.433243187293	28.5140423095051	54.6004652079609	43.709458989616
567	54	54587	2518.85867303514	84057.7170250766	-00.7902892	34537.7151610193	4338658.11067074	4338658.11067074	2078.368717947471	2894.368717947471	2838.95321	28.5140423095051	54.6004652079609	43.709458989616
568	54	54588	3038.85867303514	84057.7170250766	-00.7879171	34557.7151610193	4338654.12149145	4338654.12149145	2080.372478908613	2893.372478908613	2837.781735681	28.5140423095051	54.6004652079609	43.709458989616
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574	54	54594	5698.85867303514	84057.7170250766	-00.7739171	34678.5795	4338630.1834444	4338630.1834444	2090.746562412947	2887.746562412947	2827.3362511218	28.4692572623219003	62.67949846818362	62.67949846818362
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576	54	54596	6478.85867303514	84057.7170250766	-00.7692622	34717.8643351053	4338622.20191763	4338622.20191763	2092.768477119925	2884.7570744663	2826.262703786402	28.4692572623219003	62.67949846818362	62.67949846818362
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578	54	54598	7258.85867303514	84057.7170250766	-00.7646073	34759.932192627	4338614.23503562	4338614.23503562	2094.7767840242417	2882.7767840242417	2824.85054065706	28.4692572623219003	62.67949846818362	62.67949846818362
579	54	54599	7648.85867303514	84057.7170250766	-00.7622799	34780.9766990243	4338610.27235927	4338610.27235927	2095.777019835298	2881.777019835298	2823.84738134723	28.4692572623219003	62.67949846818362	62.67949846818362
580	54	54600	8038.85867303514	84057.7170250766	-00.7599526	34799.994517776	4338606.26	4338606.26	2096.773131412594	2880.773131412594	2822.84738134723	28.4692572623219003	62.67949846818362	62.67949846818362
581	54	54601	8428.85867303514	84057.7170250766	-00.757625	34819.012434444	4338602.26	4338602.26	2097.773131412594	2879.773131412594	2821.84738134723	28.4692572623219003	62.67949846818362	62.67949846818362
582	54	54602	8818.85867303514	84057.7170250766	-00.7552976	34839.061202656	4338598.25386233	4338598.25386233	2098.773131412594	2878.773131412594	2820.84738134723	28.4692572623219003	62.67949846818362	62.67949846818362
583	54	54603	9208.85867303514	84057.7170250766	-00.7529701	34859.092456664	4338594.28414029	4338594.28414029	2099.773131412594	2877.7				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ls	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatTHvLogKrg.ft	SatTHvBoth.ft
654	74	54685	67298.8586730335	84057.31720250766	-98.1831908325452	-100.5621205	460799.3328	4382697.965167472	283.167300671305	273.5146476731686	2698.1220123243297	2674.631404634741	266.2944640735637	60.78540397849487
666	74	54686	67958.8586730335	84057.31720250766	-100.5597391	365280.354423848	438263.952782103	283.2819662074006	274.2342058065865	2697.673272614338	2674.5412425869696	265.6176960406785	59.6767060682102	60.78540397849487
667	74	54687	68188.8586730335	84057.31720250766	-100.5516466	368181.3786873215	438263.952782103	283.1821970389437	273.2031158908048	2694.058469893415	2674.1545283835832	267.1018698970473	58.8756311684877	60.78540397849487
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669	74	54689	69938.8586730335	84057.31720250766	-100.5528108	365883.81482689925	438282.076628213	282.80840956711795	273.0657408663657	2662.6784324051424	2674.075290570368	267.87970366122329	56.0845201606771	60.78540397849487
670	74	54690	70598.8586730335	84057.31720250766	-100.5504834	366084.43960419023	438284.104964292	282.622992597567	272.9497467983297	2662.963438	267.7673964782399	267.5207386737397	52.07307631030746	60.78540397849487
671	74	54691	71258.8586730335	84057.31720250766	-100.5481559	366285.4604502921	438284.13485712	282.845585800027	272.8278310300807	2664.098135623563	267.68125700156	267.4810713563663	51.39705385882525	60.78540397849487
672	74	54692	71918.8586730335	84057.31720250766	-100.5458285	366486.4812672023	438282.162154269	282.32160818138602	272.8107462341345	2664.674758208076	2668.8251406140943	267.6037072053737	50.25632173940094	60.78540397849487
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674	74	54694	73238.8586730335	84057.31720250766	-100.5411737	366888.5225142396	438282.220095959	282.5013375369533	272.69853223601	2662.1652327117025	2669.051285045797	267.6022450064997	55.6175417152182	60.78540397849487
675	74	54695	73898.8586730335	84057.31720250766	-100.5388462	367089.5340442293	438282.249202555	281.6193155379965	272.3451789963014	2659.18037533634	2662.41213943625	267.414159972654	61.0396020850983	60.78540397849487
676	74	54696	74558.8586730335	84057.31720250766	-100.5365188	367290.5633474096	438282.247850764	281.6601660760092	272.2244500374815	2655.737873236125	2655.25869398007	266.486268136985	67.00863079768078	60.78540397849487
677	74	54697	75218.8586730335	84057.31720250766	-100.5341914	367491.5835	438282.2608113922	281.700719674204	272.084010268375	2655.313662726355	2655.089713380335	265.7640383	65.8985713380335	60.78540397849487
678	74	54698	75878.8586730335	84057.31720250766	-100.531864	367692.036572100	438282.3167832482	281.6197417423047	271.9296303892034	2654.6772813343423	2654.6427141506133	265.0522326	65.0888945795009	60.78540397849487
679	74	54699	76538.8586730335	84057.31720250766	-100.5295365	367893.6238586076	438282.3627738055	281.601243852566	271.84823315419	2653.89491077047	2654.39622334199	264.6000108326679	64.0600108326679	60.78540397849487
680	74	54700	77198.8586730335	84057.31720250766	-100.5272091	368094.6432763902	438282.39757392	281.5407700242768	271.74822326047	2653.19206	2653.337137049687	263.9753170704687	60.78540397849487	60.78540397849487
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682	74	54702	78518.8586730335	84057.31720250766	-100.5225453	368496.6824714015	438282.458	281.4579433025414	271.45339053354	2651.4575001663907	2651.705317	263.065907414391	62.810714839314	60.78540397849487
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684	74	54704	79838.8586730335	84057.31720250766	-100.5178994	368898.7211681766	4383196.18821	280.7126014699248	271.1784607	2648.0516184124995	2648.32764722737	263.320888339804	60.78540397849487	60.78540397849487
685	74	54705	80198.8586730335	84057.31720250766	-100.515572	369099.740324309	4383188.55079421	280.625603182534	271.0738892319234	2645.512915	2645.697119521994	264.8656472	64.6814969323704	60.78540397849487
686	74	54706	80198.8586730335	84057.31720250766	-100.5132446	369300.7955541036	438318.81898983	278.751240132705	270.848421447643	2642.4404878574	2642.4404878574	265.009126618894	66.303972	60.78540397849487
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689	74	54709	83138.8586730335	84057.31720250766	-100.5062623	369903.8158764255	4383176.376230423	277.6255473062433	270.6104749323493	2634.049132802633	2634.367981842706	264.795324422226	71.650501339461	60.78540397849487
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691	74	54711	84458.8586730335	84057.31720250766	-100.5016075	370305.8256154739	4383168.70123625	276.4701042360168	270.3065200179642	2624.178327	2624.000814683567	264.795324422226	71.650501339461	60.78540397849487
692	74	54712	85118.8586730335	84057.31720250766	-100.4992801	370506.8708914641	4383160.72291508	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
693	74	54713	85778.8586730335	84057.31720250766	-100.4969627	370707.1042929823	4383160.72291508	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
694	74	54714	86438.8586730335	84057.31720250766	-100.4946406	370908.7007	4383152.83715993	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
695	74	54715	87098.8586730335	84057.31720250766	-100.4922278	371109.9249716408	4383148.69858678	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
696	74	54716	87758.8586730335	84057.31720250766	-100.4899704	371310.924748037	4383148.69858678	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
697	74	54717	88418.8586730335	84057.31720250766	-100.487643	371511.9604032913	4383140.3577078	275.7304121264678	269.9296126303748	2621.018008347261	2620.8496504326513	264.795324422226	71.650501339461	60.78540397849487
698	74	54718	89078.8586730335	84057.31720250766	-100.4853156	371720.9731374967	4383136.96898326	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
699	74	54719	89738.8586730335	84057.31720250766	-100.4829862	371931.995398745	4383130.0239568	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
700	74	54720	90398.8586730335	84057.31720250766	-100.4806627	372140.924748037	4383120.291671	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
701	74	54721	91058.8586730335	84057.31720250766	-100.4783433	372316.1629716931	4383120.291671	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
702	74	54722	91718.8586730335	84057.31720250766	-100.4760059	372517.04681816796	4383121.10363143	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
703	74	54723	92378.8586730335	84057.31720250766	-100.4736785	372721.83713015	4383121.10363143	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
704	74	54724	93038.8586730335	84057.31720250766	-100.4713511	372919.0805227929	4383110.127004411	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
705	74	54725	93698.8586730335	84057.31720250766	-100.4690237	373120.0971913488	4383109.20645104	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
706	74	54726	94358.8586730335	84057.31720250766	-100.4666913	373321.1317677474	4383105.241087825	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
707	74	54727	95018.8586730335	84057.31720250766	-100.4643586	373522.1629716931	4383105.241087825	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.290514103834	60.78540397849487
708	74	54728	95678.8586730335	84057.31720250766	-100.4620255	373723.1464444515	4383107.310493121	276.049648785233	269.615625481215	2624.917221870325	2624.88755277395	265.099305173899	65.2	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBotKgr.f	SurfBotKgr.f	SurfBoth.f
51	55	54811	-337941.1413	841237.3170250766	39.17934391	-101.9911342	241623.6428176995	4304941.727804136	3917.29678624077333	371.212060425079	3704.332244219356	3742.7701028939873	3747.723798314346	3844195741091745
52	75	54812	-337281.1413	841237.3170250766	39.1793660958396	-101.9888071	241824.7823648145	4303937.646	3917.977728	3779.865760509673	3707.950274874444	3774.87103695487	3747.73752223493	36.994161044192424
53	75	54813	-336621.1413	841237.3170250766	39.17936988	-101.98846	242026.9221391786	4304933.5247446	3918.6169117448	3778.529102974428	3711.963887244681	3738.988877740622	3748.9353177068797	39.540493708089093
54	75	54814	-335961.1413	841237.3170250766	39.17941274586984	-101.9841529	24227.06126815992	4304925.487270197	3919.335645511348	3779.201837644925	3716.3110597304985	3738.33819546418	68.09078336	38.8692822344634
55	75	54815	-335301.1413	841237.3170250766	39.179435625093774	-101.9818257	242428.2008660003	4304925.401466238	3919.115327407219	3775.8838169265095	3720.563387683423	3735.3110582001735	53.2033781716725	40.57278872940227
56	75	54816	-334641.1413	841237.3170250766	39.17945840437163	-101.9794986	242629.3386477026	4304920.320332607	3917.990130353052	3774.574373877546	3724.232826	3732.583760300397	50.3419073051444	41.99097257171493
57	75	54817	-333981.1413	841237.3170250766	39.17948121070336	-101.9777175	242830.4785748223	4304917.239	3916.86789588856	3773.238435662395	3727.1406815779683	3732.583548300526	45.1341619827214	41.910288738168885
58	75	54818	-333321.1413	841237.3170250766	39.179503936068956	-101.9748443	24317.6170457321	4304913.158606311	3915.738709671146	3771.980307377327	3723.1269957099207	3742.136951879641	43.374618179641	39.85331166800643
59	75	54819	-332661.1413	841237.3170250766	39.179527615623856	-101.9729172	243322.7552640629	4304909.078013635	3915.884128623688	3770.491598648694	3728.953283968589	3739.874877449622	44.689830467	38.75627659364696
60	75	54820	-332001.1413	841237.3170250766	39.17954925	-101.9701901	243433.8932266784	4304904.998	3912.2786625435	3769.4042110069513	3721.47972426485	3727.171336957044	47.9248461446632	42.2367420121692
61	75	54821	-331341.1413	841237.3170250766	39.179577184	-101.9678629	243635.03093538492	4304901.97369187	3908.591062458012	3768.1107595114287	3712.930455908624	3716.9617916241978	55.18300001546622	51.14867887922899
62	75	54822	-330681.1413	841237.3170250766	39.17959438816893	-101.9655358	243836.16839978484	4304906.837317401	3905.94533905768	3766.7927341733994	3701.373663	3702.9444423290973	65.45507130043916	63.84829082982623
63	75	54823	-330021.1413	841237.3170250766	39.1796168882309	-101.9632807	244037.35090528656	4304902.75445897	3904.9519708106238	3762.585858	3693.9952502304783	3722.8858213474367	71.42468480104446	70.00000000000000
64	75	54824	-329361.1413	841237.3170250766	39.179639344530855	-101.9608815	244238.42453770925	4304908.67754672	3904.449836373518	3763.790006	3689.1301100472793	3696.034860799709	74.85998635675651	67.95532560434094
65	75	54825	-328701.1413	841237.3170250766	39.17966175529218	-101.9585854	244439.5792	4304894.598	3907.659257378458	3762.533024827387	3698.0897577939927	3698.0611958572907	74.8436628805937	67.7106090947555
66	75	54826	-328041.1413	841237.3170250766	39.17968412	-101.9562272	244640.715870437	4304890.518913029	3904.866751917678	3761.06782020256	3683.412529890408	3697.802300227819	77.65508086101545	63.2468790747474
67	75	54827	-327381.1413	841237.3170250766	39.17970564197527	-101.9539001	244841.85187576968	4304896.476392596	3902.494975968534	3759.005608719024	3681.308032534607	3698.407320849285	78.29258233729561	61.12275788697741
68	75	54828	-326721.1413	841237.3170250766	39.179728717896985	-101.9515729	245042.96779417468	4304892.360792413	3905.552093967815	3758.134286343696	3679.67361767988	3697.903748212596	78.4545050690777	60.2227835281001
69	75	54829	-326061.1413	841237.3170250766	39.17975094887205	-101.9492458	245244.1234728869	4304886.280202471	3888.660233431388	3756.6608202743924	3678.4004401957877	3695.199686643184	78.2603818760468	61.614135210071
70	75	54830	-325401.1413	841237.3170250766	39.17977313490408	-101.9469186	245445.25890183367	4304884.20332769	3886.6603727290258	3755.1863181009116	3677.4253716779644	3691.7766042	63.4160576718317	60.77700000000000
71	75	54831	-324741.1413	841237.3170250766	39.1797957258199	-101.9445915	245646.39047852295	4304880.124963926	3884.260256761838	3753.7097378096364	3677.890130736205	3688.27874466526427	75.8196073601592	65.43099315699374
72	75	54832	-324081.1413	841237.3170250766	39.179817372117135	-101.942243	245847.52900315533	4304886.064714044	3881.406781465744	3752.370102729552	3677.0613586114655	3684.7135645579807	76.019746808073	65.7170827002177
73	75	54833	-323421.1413	841237.3170250766	39.179839462353524	-101.9398194	246053.961972212	4304883.9591358	3879.478494869634	3750.941497454349	3739.941755446349	3739.941755446349	77.251028276964	65.7251028276964
74	75	54834	-322761.1413	841237.3170250766	39.179861429557604	-101.93761	246249.7819705432	430487.8047516035	3875.692941146408	3749.25808606276	3674.214611505595	3680.804444258963	77.2510343608114	68.4604164041316
75	75	54835	-322101.1413	841237.3170250766	39.17988338085204	-101.9352829	246450.9323667676	430487.8310405538	3872.385047110493	3747.78438626309	3673.55917842937	3682.25688185808	78.2193107387184	65.521540005076
76	75	54836	-321441.1413	841237.3170250766	39.17990530719959	-101.9329557	246652.0662852338	430489.375511712	3868.640375597396	3746.286921501024	3674.7129604183274	3681.3312219249045	78.5373817381802	64.9556678204093
77	75	54837	-320781.1413	841237.3170250766	39.17992717860015	-101.9306285	246853.19905276902	430488.68168873	3864.885716423384	3744.790374804068	3672.508893291739	3679.72169518675	78.2214815832797	65.0688629237514
78	75	54838	-320121.1413	841237.3170250766	39.179949040553764	-101.9283814	247054.33336929814	4304831.581	3861.1310574493717	3743.287931	3669.726854152759	373.52502774297905	78.52502774297905	65.4664744170928
79	75	54839	-319461.1413	841237.3170250766	39.17997079659031	-101.9259745	247255.46653528624	4304822.92012941	3858.699867234658	3741.77849496817892	3667.938890236579	373.9184640281722	78.77061492	65.77061492
80	75	54840	-318801.1413	841237.3170250766	39.17999252311979	-101.9236747	247456.529368855	4304822.47205233	3852.350395968855	3740.260887766287	3665.7891077037435	3677.857950910475	78.9107521325264	65.9107521325264
81	75	54841	-318141.1413	841237.3170250766	39.18001241732316	-101.9213199	247657.3211626586	430489.350577683	3847.7687629678673	3738.733843709565	3667.983532411995	3667.983532411995	79.1754814897568	65.17487680437562
82	75	54842	-317481.1413	841237.3170250766	39.18003581397336	-101.9189927	247858.8645164218	4304815.274130291	3843.1762035008073	3737.196990705222	3664.86390648937	3663.878831508708	79.2315003052822	73.3181951965139
83	75	54843	-316821.1413	841237.3170250766	39.18005746311535	-101.9166656	248059.9699722165	4304811.198	3839.075335385438	3735.650694232617	3663.7161097486237	3660.623042343057	79.19345848663796	75.0276989282401
84	75	54844	-316161.1413	841237.3170250766	39.180079019886005	-101.9143384	248261.12861320774	430481.12175944	3835.4642296207364	3734.093566614703	3662.512917128847	3659.235366140817	78.859163858562	74.8581923606006
85	75	54845	-315501.1413	841237.3170250766	39.18010053170952	-101.9120112	248462.2602798052	4304854.9586873	3831.851104667114	3732.542252153354	3660.954266106286	3658.24506041008	79.1569990714218	74.2807917432544
86	75	54846	-314841.1413	841237.3170250766	39.18012198580676	-101.90964	248693.3919772312	430487.301421338	3828.237080744991	3730.941497454349	3659.741755446349	3739.941755446349	77.251028276964	65.7251028276964
87	75	54847	-314181.1413	841237.3170250766	39.1801434205174462	-101.9073569	248864.522656621	430479.8450355447	3823.07262	3729.34415255658	3658.7981722188592	3658.44235289777	78.52502774297905	65.72502774297905
88	75	54848	-313521.1413	841237.3170250766	39.18016474794584	-101.9050297	249065.637853828	430479.81228212	3816.354261496633	3727.7323901736436	3657.6894153134667	3651.001179251024	78.0429748601786	74.7222109221967
89	75	54849	-312861.1413	841237.3170250766	39.180186129529766	-101.9027025	249266.7845642823	430478.7440331	3809.631658063865	3726.105791728436	3656.3957082035813	3654.423191257006	78.0429748601786	74.7222109221967
90	75	54850	-312201.1413	841237.3170250766	39.18020741661621	-101.9003753	249467.9148791695	430478.669035018	3802.01067417901	3724.4653015525657	3654.38073414757	3655.6882604119633	78.04854817349995	68.77770141029348
91	75	54851	-311541.1413	841237.3170250766	39.1802286857514	-101.8980482	249669.04505374518	430479.940290912	3796.359549149914	3722.818362690216	3652.591839713014	3657.252365199577	78.2019965507667	65.287780700288
92	75	54852	-310881.1413	841237.3170250766	39.180249655940762	-101.895721	249870.17498037382	430475.915963399	3789.976791774455	3721.7411462086	3650.35033195872	3650.35033195872	78.0159729841934	60.8412207671164
93	75	54853	-310221.1413	841237.3170250766	39.1802719819626	-101.8934077	250093.205797262	430475.915963399	3782.976791774455	3720.7411462086	3650.35033195872	3650.35033195872	78.0159729841934	60.8412207671164
94	75	54854	-309561.1413	841237.3170250766	39.180292154866374	-101.891066	250327.430095944	430476.3761371	3777.212288	3717.80374140893	3648.4405821909405	3653.288478672056	78.314119595237	65.415254683864
95	75	54855	-308901.1413	841237.3170250766	39.18031371738481	-101.8887394	250473.5623459658	430476.						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElev.Kg.f	BRiElev.Kg.f	SatThKnot	SatThBoth.f
177	75	54937	-254781.1413	841237.3170250766	39.181887239829074	-01.697906	66665.33441355295	340428.823115344	3600.0515639269845	35.225.74545451934	3519.753577	3527.304995951983	5790978218489563	0
178	75	54938	-254721.1413	841237.3170250766	39.181904651389176	-01.6955787	267166.4437833762	3404024.723300616	3571.2126565275562	35.2167.7585221482	3516.4767418946253	351.52156241613577	6.691016627522913	1.652134307605952
179	75	54939	-254661.1413	841237.3170250766	39.181921971769856	-01.6938214	267887.5529	3404027.13925387	3581.270110879302	35.2026.82229041416	3517.840358237382	35.30339987313242	2.77186458059791	0
180	75	54940	-252801.1413	841237.3170250766	39.18193918965716	-01.6909241	267568.6618338355	3404046.1653906145	3568.72269923516	35.181058760810912	3509.1752361654433	35.103283905809892	8.883526415917395	17.20660210461431
181	75	54941	-252141.1413	841237.3170250766	39.181956386364966	-01.6885969	267769.7701297744	3404012.596438308	3556.1776877765014	35.15507416571809	3506.3308428308087	3498.9713747461263	9.176573414000084	16.536041797199503
182	75	54942	-251481.1413	841237.3170250766	39.181973382121945	-01.6862696	267970.8786953718	3404048.537866459	3543.617472292617	35.12563525715557	3503.814506509794	3491.016394173455	8.16487451761734	21.941958398100724
183	75	54943	-250821.1413	841237.3170250766	39.18199064482807	-01.6839423	268171.98718478157	3404044.47999058	3540.131832741943	35.104132111040975	3501.6704435930005	3500.247565565515	8.02676511920075	10.165354439392442
184	75	54944	-250161.1413	841237.3170250766	39.182007706332	-01.681615	268373.0951770815	3404004.42191102	3507.872357398934	3499.775712327416	3507.156176111528	8.047667166192405	0.761818287	0
185	75	54945	-249501.1413	841237.3170250766	39.18202472368758	-01.6792877	268574.2028044989	3404036.364	3583.225687847505	35.06539021240051	3498.00288102804	3511.4085346020024	5.7333724137259196	0
186	75	54946	-248841.1413	841237.3170250766	39.1820417	-01.6769504	268775.3104750523	3403992.305913486	3556.7726133163783	35.022.904604191031	3496.246550026873	3513.107194732535	5.558042138343809	0
187	75	54947	-248181.1413	841237.3170250766	39.18205862264339	-01.6746331	268976.4718712227	3403988.284334815	3557.7715942848167	35.00279855755612	3494.910079967786	3508.7587887952	5.388367587826555	0
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189	75	54949	-246861.1413	841237.3170250766	39.182093471795055	-01.6699785	269378.63170895947	3403980.133724703	3550.6736659053158	3495.248069530744	3491.2394874251253	3496.556905598927	4.000802105629197	0
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191	75	54951	-245541.1413	841237.3170250766	39.18212588114229	-01.6653239	269780.84472525655	340372.019869189	3548.293452597303	3490.24673201873	3487.1411110557096	3507.671501813195	3.105652146326566	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
303	75	55063	-171621.1413	841237.3170250766	39.18371710966766	-101.4046662	292303.969892004	4339918.75896376	3405.86113622675	322.093438669398	3189.759619642898	3172.445860433994	32.3381902649996	59.64773225998586
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306	75	55066	-169641.1413	841237.3170250766	39.18373197742221	-101.397678	293006.6152243087	4339916.74523569	3398.32767696174	3230.3623033424	3191.6178215822033	3197.157279141809	38.7740875272068	33.238695119
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308	75	55068	-168321.1413	841237.3170250766	39.18373749872089	-101.3930232	293308.7777461207	4339902.604423215	3395.18513332427	3229.519913013856	3184.3160002114305	3181.346305298115	43.12899139950509	45.12899139950509
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311	75	55071	-166341.1413	841237.3170250766	39.18369919126188	-101.386147	293912.0207456825	4339884.568772227	3398.3318024369	3228.47269380426	3167.194829038945	3148.68882549023	58.1277807053186	86.1748081648013
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336	75	55096	-149841.1413	841237.3170250766	39.18407840524243	-101.3278556	298938.9686954961	4339785.71373325	3382.150281162301	3219.1289941936357	3176.26285238812	3206.331250323726	46.3680398757454	12.79793841263026
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341	75	55101	-146541.1413	841237.3170250766	39.18412887195036	-101.3162184	299944.334666952	4339765.51945728	3383.556381744074	3216.51760676897	3169.777699982602	3199.736024328252	46.7796097863902	16.7784661477991
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346	75	55106	-143241.1413	841237.3170250766	39.18417821979824	-101.3045813	300949.7135561797	4339745.372	3378.79723081562	3214.00614928575	3169.666541057034	3191.75230058387	48.3469545894807	23.24345368172028
347	75	55107	-142581.1413	841237.3170250766	39.1841786445441	-101.3022538	301150.786046346	4339741.3404064	3377.850317996345	3213.5183211861804	3168.5519360311855	3		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtKgs.ft	SatHtBoth.ft
429	55189	-88461.14133		841237.3170250766	39.184833199209486	-101.11144026	176368.15866072144	4339411.574313717	3275.6044522302973	3062.5825471242783	3045.924988834349	3046.637860727382	36.6675582892951	35.94376105189622
430	55190	-87891.14133		841237.3170250766	39.18483022377816	-101.109052	176379.21652167177	433947.3661	3275.6044522302973	3060.7051005744113	3044.3965811205774	3045.2951028418194	36.418589436326	35.444987281261296
431	55191	-87411.14133		841237.3170250766	39.18484562098686	-101.106747	176400.274204142	433953.546108125	3275.6044522302973	3060.7051005744113	3044.3965811205774	3045.2951028418194	36.418589436326	35.444987281261296
432	55192	-86481.14133		841237.3170250766	39.18485073784564	-101.104402	176421.33170832036	433959.532	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
433	55193	-85821.14133		841237.3170250766	39.18485664214514	-101.102027	176442.3890344158	433965.518621765	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
434	55194	-85161.14133		841237.3170250766	39.184862765488326	-101.099763	176463.51864344558	433971.505131398	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
435	55195	-84501.14133		841237.3170250766	39.18486854387521	-101.097438	176484.5031518024	433977.48127568	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
436	55196	-83841.14133		841237.3170250766	39.18487427730575	-101.095110	176505.5994625884	433983.481701259	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
437	55197	-83181.14133		841237.3170250766	39.1848796577998	-101.092782	176526.616662079	433989.448	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
438	55198	-82521.14133		841237.3170250766	39.1848850209785	-101.090454	176547.6730003034	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
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442	55202	-79881.14133		841237.3170250766	39.1849077330572	-101.0811455	176635.205189698975	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
443	55203	-79221.14133		841237.3170250766	39.184913152541725	-101.078818	176656.5245545036	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
444	55204	-78561.14133		841237.3170250766	39.184918526321326	-101.076495	176677.6070266097	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
445	55205	-77901.14133		841237.3170250766	39.18492385144525	-101.074163	176698.6313168856	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
446	55206	-77241.14133		841237.3170250766	39.18492931901125	-101.0718355	176716.1182	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
447	55207	-76581.14133		841237.3170250766	39.18493437792158	-101.069501	176737.10175928	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
448	55208	-75921.14133		841237.3170250766	39.18493957817545	-101.0671806	176758.2276952285	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
449	55209	-75261.14133		841237.3170250766	39.18494472087287	-101.064851	176779.2281998517	433995.452081184	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
450	55210	-74601.14133		841237.3170250766	39.18494924913815	-101.0625296	176800.3362597634	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
451	55211	-73941.14133		841237.3170250766	39.1849543899292	-101.060191	176821.3361968554	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
452	55212	-73281.14133		841237.3170250766	39.1849598812628	-101.057807	176842.4466653937	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
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454	55214	-71961.14133		841237.3170250766	39.18496979151276	-101.0532157	176884.5251080522	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
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456	55216	-70641.14133		841237.3170250766	39.18497950073215	-101.048507	176926.6342983	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
457	55217	-69981.14133		841237.3170250766	39.184984294118626	-101.046233	176947.7116853987	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
458	55218	-69321.14133		841237.3170250766	39.18498903807015	-101.043958	176968.76474244	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
459	55219	-68661.14133		841237.3170250766	39.18499378242116	-101.041573	176989.817776343	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
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462	55222	-66681.14133		841237.3170250766	39.185007566799726	-101.0345958	177049.92754956923	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
463	55223	-66021.14133		841237.3170250766	39.18501206654035	-101.0322883	177069.40271245883	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
464	55224	-65361.14133		841237.3170250766	39.18501655203104	-101.029489	177089.4703152405	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
465	55225	-64701.14133		841237.3170250766	39.18502090747894	-101.027614	177109.4671781827	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
466	55226	-64041.14133		841237.3170250766	39.18502537548422	-101.0252859	177129.4621324456	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
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470	55230	-61401.14133		841237.3170250766	39.18504245862289	-101.015978	177209.4681720896	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
471	55231	-60741.14133		841237.3170250766	39.1850469339625	-101.013691	177229.4703152405	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
472	55232	-60081.14133		841237.3170250766	39.18505103914929	-101.011321	177249.481304637	433997.448307409	3275.6044522302973	3061.022400216907	3044.636276876703	3040.980111652278	36.02255181164555	35.36698036559665
473	55233	-59421.14133		841237.3170250766										

Id	Is	Yc	X.Rn	Y.R	Latitude	Longitude	UTMX	UTMY	SurfElev	W.Lt	BREVElevKnot	BREVElevKnotK	SatThLogK	SatThBothK
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556	75	5536	-4641.141327	84.2137	31.70250276	18.1852359362468	-10.8158114	343171.1474141383	4383903.189626273	29.05408461926271	2687.14265164861685	43.1957541294363	42.9054537810264	42.9054537810264
557	75	5537	-3981.141327	84.2137	31.70250276	18.18523597285356	-10.8143849	343372.1842654239	4383899.186256638	29.03426808916214	2687.861113374995	2688.504514964805	45.6965681327943	45.286249561612945
558	75	5538	-3321.141327	84.2137	31.70250276	18.18523644599083	-10.8111564	343573.220943233	4383895.260713018	29.014784913756	2902.690261220793	2854.92434326214	2685.4473508307332	47.244710383553
559	75	5539	-2661.141327	84.2137	31.70250276	18.1852364973568	-10.8086829	343725.2746814965	4383891.215373078	29.0087140891756	2902.690261220793	2852.43804232983	2685.824814604938	49.20066962403124
560	75	5540	-2001.141327	84.2137	31.70250276	18.18523653227303	-10.8061829	343926.3214985072	4383887.241481302	2899.95109136745	2902.690261220793	2852.43804232983	2685.824814604938	51.20066962403124
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563	75	5543	-21.14132683	84.2137	31.70250276	18.18523701512624	-10.799519	344578.4020151391	4383875.251725777	2897.91000670738	2846.299482689403	2847.826017270667	2847.5905781322584	57.49619827096118
564	75	5544	638.586730733514	84.2137	31.70250276	18.185236994115261	-10.7971915	344779.4378190876	4383871.261254981	2897.6840534524087	2845.94304350266	2848.136111	2848.5018918472268	59.4719428309885
565	75	5545	1298.586730733514	84.2137	31.70250276	18.1852369821867	-10.794864	344980.473431536	4383867.208064751	2897.021926671731	2895.904332394635	2843.804313156736	2846.1648803921700	61.473555290370047
566	75	5546	1958.586730733514	84.2137	31.70250276	18.18523681716577	-10.792365	345181.5089004396	4383863.206662471	2897.3004819683	2894.345807429434	2842.148086432514	2852.5323433133	62.969620357012
567	75	5547	2618.586730733514	84.2137	31.70250276	18.1852367049679	-10.789815	345382.24148905	4383859.20748592	2897.568542421	2894.345807429434	2842.148086432514	2852.5323433133	64.0091391323399
568	75	5548	3278.586730733514	84.2137	31.70250276	18.18523646039877	-10.787855	345583.5783789774	4383855.30136285	2998.01820753737	2893.0107147363594	2838.63581840354	2842.15026432403	65.47080853005551
569	75	5549	3938.586730733514	84.2137	31.70250276	18.185236421456274	-10.785154	345784.6143928177	4383851.131547689	2998.02724024938	2893.0107147363594	2838.63581840354	2842.15026432403	66.0091391323399
570	75	5550	4598.586730733514	84.2137	31.70250276	18.18523632871857	-10.782695	345985.6426561265	4383847.322	2995.203287452181	2891.006447497037	2838.64279563479	2856.47239378086	66.563349112594
571	75	5551	5258.586730733514	84.2137	31.70250276	18.18523588048175	-10.78089	346186.683079564	4383843.3289973	2994.182093818428	2890.03068519052	2832.29917276892	2850.074057851994	67.72069084212954
572	75	5552	5918.586730733514	84.2137	31.70250276	18.18523521	-10.778715	346387.71834084	4383839.3483037	2993.944641169716	2888.94718205675	2829.83002791391	2841.449521768436	69.15541451438874
573	75	5553	6578.586730733514	84.2137	31.70250276	18.18523471702638	-10.776274	346588.752498072	4383835.784607952	2893.7653074023758	2887.96282062029	2829.83002791391	2841.449521768436	70.26864652147378
574	75	5554	7238.586730733514	84.2137	31.70250276	18.18523419703969	-10.773815	346789.773148905	4383832.104111334	2893.63013929221	2887.96282062029	2829.83002791391	2841.449521768436	71.380093262471
575	75	5555	7898.586730733514	84.2137	31.70250276	18.1852337952758	-10.771589	346990.8213321443	4383827.37700533	2892.5784670316557	2885.81972328252	2828.672565145496	2825.93748269789	72.16076714
576	75	5556	8558.586730733514	84.2137	31.70250276	18.1852332500522	-10.769215	347191.8552993685	4383823.39836662	2891.02073668955	2884.7245756592	2828.42745102542	2823.8717520313	72.829715145276
577	75	5557	9218.586730733514	84.2137	31.70250276	18.18523269525588	-10.766934	347392.8819219273	4383819.4011891	2889.482427400334	2883.60872448515	2826.84160156347	2822.44232711872	73.5665340172034
578	75	5558	9878.586730733514	84.2137	31.70250276	18.1852319790885	-10.764065	347593.9227900484	4383815.41318795	2887.93558794738	2882.405199757286	2826.0713303396847	2826.074019850264	74.3689104
579	75	5559	10538.586730733514	84.2137	31.70250276	18.18523126	-10.762279	347794.9563126737	4383811.42633146	2887.30812669991	2882.04356252416	2825.383187762274	2825.386468155774	75.5749379603747
580	75	5560	11198.586730733514	84.2137	31.70250276	18.185230644645	-10.760045	347996.02154045	4383807.44202465	2886.1511198777	2881.191198777	2824.1697460487	2824.1697460487	76.78275143384
581	75	5561	11858.586730733514	84.2137	31.70250276	18.18522975803701	-10.757824	348197.0221415414	4383803.45420465	2884.25427500125	2880.181967460487	2823.17356517747	2823.17356517747	77.99275143384
582	75	5562	12518.586730733514	84.2137	31.70250276	18.1852289777233	-10.755295	348396.05593375	4383799.46249659	2883.1044068219	2877.654583497068	2821.9524260556	2821.9524260556	79.20066962403124
583	75	5563	13178.586730733514	84.2137	31.70250276	18.18522805256269	-10.752969	348599.088526269	4383785.47826708	2882.39156004429	2876.734833787585	2824.7222796652	2824.7222796652	80.412361907132
584	75	5564	13838.586730733514	84.2137	31.70250276	18.1852273272606	-10.750415	348800.121709939	4383781.48883761	2881.21808472427	2875.073896232476	2823.68859438223	2823.68859438223	81.6218174022134
585	75	5565	14488.586730733514	84.2137	31.70250276	18.18522616732034	-10.748614	348991.154347899	4383787.50211677	2880.346504416057	2825.14221627701	2825.14221627701	2825.14221627701	82.83698104
586	75	5566	15158.586730733514	84.2137	31.70250276	18.1852251573487	-10.745935	349202.186383677	4383783.515263071	2879.5851141207163	2824.313002740527	2824.313002740527	2824.313002740527	84.016233029864
587	75	5567	15818.586730733514	84.2137	31.70250276	18.185224148905	-10.743381	349403.24148905	4383780.45420465	2878.701198777	2823.17356517747	2823.17356517747	2823.17356517747	85.225143384
588	75	5568	16478.586730733514	84.2137	31.70250276	18.185223006815	-10.741313	349604.2514808985	4383775.543	2877.92464759927	2822.4047438487	2822.4047438487	2822.4047438487	86.442361907132
589	75	5569	17138.586730733514	84.2137	31.70250276	18.18522187123175	-10.739004	349805.28352361	4383771.556809558	2876.887612703660	2821.9524260556	2821.9524260556	2821.9524260556	87.6218174022134
590	75	5570	17798.586730733514	84.2137	31.70250276	18.1852206720251	-10.736765	350006.31438785	4383767.571	2876.3719856895	2821.9524260556	2821.9524260556	2821.9524260556	88.842361907132
591	75	5571	18458.586730733514	84.2137	31.70250276	18.1852194322488	-10.734239	350207.347189964	4383763.58214348	2875.9252673215115	2821.9524260556	2821.9524260556	2821.9524260556	89.99275143384
592	75	5572	19118.586730733514	84.2137	31.70250276	18.1852181542036	-10.732025	350408.3788136025	4383760.98981217	2875.4813366788	2821.9524260556	2821.9524260556	2821.9524260556	91.142361907132
593	75	5573	19778.586730733514	84.2137	31.70250276	18.185217148905	-10.729815	350610.441766317	4383757.6294237	2875.03812669991	2821.9524260556	2821.9524260556	2821.9524260556	92.30066962403124
594	75	5574	20438.586730733514	84.2137	31.70250276	18.1852165790502	-10.727565	350810.441766317	4383751.6294237	2874.5923219	2821.9524260556	2821.9524260556	2821.9524260556	93.452361907132
595	75	5575	21098.586730733514	84.2137	31.70250276	18.1852154244464	-10.725039	351011.477637187	4383744.3413834	2874.09321694211	2821.9524260556	2821.9524260556	2821.9524260556	94.60442361907132
596	75	5576	21758.586730733514	84.2137	31.70250276	18.1852142358195	-10.722715	351212.5038	4383743.659	2873.649129007624	2821.9524260556	2821.9524260556	2821.9524260556	95.7565340172034
597	75	5577	22418.586730733514	84.2137	31.70250276	18.1852130789624	-10.720284	351413.53471084137	4383740.37668224	2873.2035666214	2821.9524260556	2821.9524260556	2821.9524260556	96.9065340172034
598	75	5578	23078.586730733514	84.2137	31.70250276	18.18520925398595	-10.718065	351614.565456305	4383735.690182186	2872.773249434266	2821.9524260556	2821.9524260556	2821.9524260556	98.057565340172034
599	75	5579	23738.586730733514	84.2137	31.70250276	18.1852083458514	-10.715729	351815.59685811106	4383731.70582311	2872.339312512577	2821.9524260556	2821.9524260556	2821.9524260556	99.20866962403124
600	75	5580	24398.586730733514	84.2137	31.70250276	18.185207438969	-10.713481	352026.62148905	4383727.718983	2871.90171977089	2821.9524260556	2821.9524260556	2821.9524260556	100.36066962403124
601	75	5581	25058.586730733514	84.2137	31.70250276	18.18520641091475	-10.710745	352217.658267653	4383723.7811028	2871.47769842373	2821.9524260556	2821.9524260556	2821.9524260556	101.512361907132
602	75	5582	25718.586730733514	84.2137	31.70250276</									

ix	iy	Xr	Yr	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRELEVxKrg.f	BRELEVothKrg.f	SatHtElevxKrg.f	SatHtBoth.f
681	75	55441	7878.85867307335	841237.3170250766	-00.184924195000946	-00.5248749	368299.6346781266	4338405.5919534555	2618.231042759674	2648.65730132095469	66.8678893	
682	75	55442	7878.85867307335	841237.3170250766	-00.5225474	368900.5040318037	4338401.621	2613.774436740112	2714.1998626031263	2647.8314368781494	268.3942679446809	65.9193001464809
683	75	55443	7878.85867307335	841237.3170250766	-00.5202199	368701.6745585224	4338397.452719007	2613.774436740112	2714.1998626031263	2647.8314368781494	268.3942679446809	65.9193001464809
684	75	55444	7878.85867307335	841237.3170250766	-00.18490808	-00.5178253	368902.692358547	4338363.354271	2605.392798314676	2714.1547668274674	2646.042324158864	65.9533992
685	75	55445	80498.85867307335	841237.3170250766	-00.18490262149022	-00.515565	369103.7113320978	4338389.741720044	2700.042381998373	2643.7963804771444	264.1361339731922	66.16253459716595
686	75	55446	81158.85867307335	841237.3170250766	-00.5132375	369304.7301792961	4338355.745165221	2795.4436433120693	2708.63069085717	2641.688615427754	264.16995138114075	67.134745299568
687	75	55447	81818.85867307335	841237.3170250766	-00.18489516	-00.5051091	369905.7480003899	4338381.776	2707.1395270390185	2638.15868872492	2639.132990287162	66.00622801883136
688	75	55448	82474.85867307335	841237.3170250766	-00.1848969315076	-00.5058825	369976.764955178	4338377.807677742	2708.286734787192	2705.651351967316	2634.651758092218	70.98939535252597
689	75	55449	83138.85867307335	841237.3170250766	-00.184896286772	-00.5062551	369907.7659890815	4338373.828	2704.1840568495818	2639.526778713801	2637.41626793578075	74.126793578075
690	75	55450	83798.85867307335	841237.3170250766	-00.5033276	370108.904309537	4338389.671	2763.39456866935	2702.61099049873	2627.470451570001	72.032155684369	72.032155684369
691	75	55451	84458.85867307335	841237.3170250766	-00.5016001	-00.5007609	370289.8225277692	4338365.903	2758.7556176110573	2625.225227445407	75.9085771256256	75.83830364817913
692	75	55452	85118.85867307335	841237.3170250766	-00.4992726	370510.8402613893	4338361.934807225	2751.07724731035	2690.9519457911985	2624.367415229354	2624.4606832471103	75.134353056184471
693	75	55453	85778.85867307335	841237.3170250766	-00.4969452	-00.5017859	37011.85890128	4338357.967	2697.0282112201465	2624.5798762233653	2624.631477948166	73.29673327198043
694	75	55454	86438.85867307335	841237.3170250766	-00.4946177	370912.6784193154	4338363.99944201	2756.264181949177	2696.35164209993	2624.8704068813396	2624.930732778349	71.47469442963548
695	75	55455	87098.85867307335	841237.3170250766	-00.4922902	-00.5118941578287	370330.919954939	4338350.187992143	2694.5408929318	2624.8837237610073	2624.935938	69.8718645831062
696	75	55456	87768.85867307335	841237.3170250766	-00.4909627	371314.011749105	4338346.04742148	2759.343979239818	2693.162116545753	2624.785520298721	2624.841821971461	68.78980622585412
697	75	55457	88418.85867307335	841237.3170250766	-00.4876533	371515.9220236746	4338342.09764161	2761.687166813393	2691.569580559592	2624.8901851001197	2624.958633713378	67.9639496
698	75	55458	89078.85867307335	841237.3170250766	-00.4853708	371716.9596777004	4338343.7601469	2764.037558153697	2699.979634731577	2625.205147982746	2625.315637705558	64.6639634176192
699	75	55459	89738.85867307335	841237.3170250766	-00.4829803	371917.9637915806	4338334.164030464	2763.78541768901	2688.3951208756716	2625.534233590534	2625.64636423465	62.6628773862138236
700	75	55460	90308.85867307335	841237.3170250766	-00.4806529	372118.9808918124	4338332.19471833	2763.75871955697	2686.818580056577	2625.6113930754907	2625.89606116668	61.9071978
701	75	55461	91058.85867307335	841237.3170250766	-00.4783254	372319.997868731	4338326.231105073	2764.128897400080	2685.252529102566	2625.710219267363	2624.93143922717	59.06211570998494
702	75	55462	91718.85867307335	841237.3170250766	-00.4759879	372521.014722872	4338322.264934272	2764.390574254503	2683.689801332914	2626.53296552997	2626.736193137015	57.16591508961693
703	75	55463	92378.85867307335	841237.3170250766	-00.4736414	372722.129744057	4338318.298871122	2764.65849551187	2682.1938475687393	2626.73752143498	2626.97822143498	54.858910548777
704	75	55464	93038.85867307335	841237.3170250766	-00.4713032	372923.0406261333	4338314.33260212	2764.853194051595	2680.637493878624	2628.186571057583	2628.7307443304	52.454047800055
705	75	55465	93698.85867307335	841237.3170250766	-00.4690155	373124.0645487346	4338310.3675031	2764.9825143967146	2797.132815	2629.287916060646	2629.39221280336	49.4760138500414
706	75	55466	94358.85867307335	841237.3170250766	-00.466668	373325.0809154532	4338306.401849479	2749.1018230187	2677.648451748703	2630.541119305064	2630.599913910215	47.1073234436228
707	75	55467	95018.85867307335	841237.3170250766	-00.4643066	373526.0971565138	4338302.63420638	2748.0195299676	2676.1849502168843	2631.736703744765	2631.736703744765	44.31821862714287
708	75	55468	95678.85867307335	841237.3170250766	-00.4620331	373727.113274851	4338298.41373802	2748.190613478005	2674.7427738225715	2633.5305171269507	2633.405401576471	41.33732246100586
709	75	55469	96338.85867307335	841237.3170250766	-00.459776	373928.1287347652	4338294.75438764	2748.269774811833	2673.209849354054	2635.47822143498	2635.47822143498	38.74876153638784
710	75	55470	96998.85867307335	841237.3170250766	-00.4575109	374157.0590454	4338290.54159813	2747.2234951	2673.7461297117	2637.7461297117	2637.7461297117	34.752037332103
711	75	55471	97658.85867307335	841237.3170250766	-00.4550567	374330.160095489	4338286.57	2736.034071943788	2670.540034158314	2639.861095016966	2639.829710627398	30.6783914134811
712	75	55472	98318.85867307335	841237.3170250766	-00.4527232	374531.1765408091	4338282.61525473	2737.6206836909	2669.1772413826984	2640.661192803724	2640.661192803724	29.380242357583526
713	75	55473	98978.85867307335	841237.3170250766	-00.4503598	374732.1920548786	4338278.64851939	2737.74627300296	2667.82679888848	2639.46354934046	2639.58152549618	28.36324395443554
714	75	55474	99638.85867307335	841237.3170250766	-00.4480683	374933.2074	4338274.62418157	2738.0083622151	2666.480255189564	2637.771865914756	2637.771865914756	28.69047368272734
715	75	55475	100298.85867307335	841237.3170250766	-00.4457408	375134.2222	4338270.70227145	2738.81195258154	2665.1591751626893	2636.562679637387	2636.44440358891	28.59646552587537
716	75	55476	100928.85867307335	841237.3170250766	-00.443414	375335.2073431146	4338266.75438764	2739.024951951	2664.39054330454	2635.47822143498	2635.47822143498	27.47469442963548
717	75	55477	101618.85867307335	841237.3170250766	-00.4410859	375536.2300271616	4338262.9924062	2739.226878828734	2662.504697657027	2633.809235313944	2633.809235313944	27.17146214308296
718	75	55478	102278.85867307335	841237.3170250766	-00.4387584	375737.26720451	4338258.89503783	2722.05685623296	2661.2144775524616	2632.02751741619	2632.15950969656	29.05496785805444
719	75	55479	102938.85867307335	841237.3170250766	-00.436431	375938.2827140641	4338254.866208708	2721.458697	2659.980191193031	2630.2438579836	2630.2438579836	29.05496785805444
720	75	55480	103598.85867307335	841237.3170250766	-00.4341035	376139.2973883244	4338250.903321732	2725.8475804297	2658.063960618384	2628.677000061626	2628.61311438763	30.12689596575885
721	75	55481	104258.85867307335	841237.3170250766	-00.431776	376340.3194342935	4338246.490384445	2726.30446962124	2657.3004719324136	2628.810210364876	2628.810210364876	30.23823964827032
722	75	55482	104918.85867307335	841237.3170250766	-00.4294478	376541.3263789843	4338242.97760034	2726.534590813215	2655.9676502122	2625.62169247397	2625.62169247397	30.34759603734864
723	75	55483	105638.85867307335	841237.3170250766	-00.427136	376742.3416816839	4338238.791380839	2726.7642951	2654.80216160893	2625.74198116839	2625.74198116839	30.45891697199
724	75	55484	106238.85867307335	841237.3170250766	-00.424937	376943.3548958603	4338233.65027816	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
725	75	55485	106898.85867307335	841237.3170250766	-00.422662	377144.369	4338231.0965738	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
726	75	55486	107558.85867307335	841237.3170250766	-00.4201387	377345.3829387197	4338227.128617399	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
727	75	55487	108218.85867307335	841237.3170250766	-00.4178113	377546.396326226	4338223.16973489	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
728	75	55488	108878.85867307335	841237.3170250766	-00.4154838	377747.410510103	4338219.205148318	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
729	75	55489	109538.85867307335	841237.3170250766	-00.4131953	377948.4241192844	4338215.23873063	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
730	75	55490	110198.85867307335	841237.3170250766	-00.4108289	378149.437115405	4338211.28237529	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
731	75	55491	110858.85867307335	841237.3170250766	-00.4085014	378350.45085958	4338207.32125292	2727.3366503740244	2654.25825106499	2625.020954483203	2625.020954483203	30.56504416417517
732	75	55492	111518.85867307335	841237.3170250766	-00.406174	378551.4642348581	4338203.36034269	2727.3366503740244	2654.25825106499			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBottom.ft	SatHtKgrg.ft	SatHtBoth.ft
67	76	55667	-327381.1413	841897.3170250766	39.181518971383966	-101.9539287	244845.9374966611	4341077.719421885	3945.493197946114	3767.726589736716	3679.234557319222	3698.216599844705	74.48203242	59.50989989401116
68	76	55668	-326721.1413	841897.3170250766	39.18154124787075	-101.9516101	245047.0732243507	4341073.640234929	3800.418635250221	3766.2551992610925	3677.2739107862526	3697.8484856	74.4812844723588	58.406343593935241
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77	76	55677	-320781.1413	841897.3170250766	39.18173971360833	-101.9306566	246857.28371809183	4341036.3534266	3863.1846748698906	3742.8430248512714	3670.509632504485	3672.00712484476	74.4812844723588	76.83930001
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91	76	55691	-311541.1413	841897.3170250766	39.1820411041112	-101.8980754	249673.1261967459	4340984.7867964502	3799.7740359168153	3720.575219671497	3650.378865	3652.379226189213	74.4812844723588	78.6327014727238
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogs.Kg.f	BR ElevBoth.Kg.f	SatTLogs.ft	SatTBoth.ft
193	76	55693	-244221.1413	841897.3170250766	39.18397183231806	-101.6669807	270187.1189054417	4340565.157	3569.571445063147	3485.597604032978	3483.818632702159	3499.681746849934	17790076276091895	0
194	76	55694	-243561.1413	841897.3170250766	39.18398844508411	-101.6583638	270388.22443140275	4340561.100077309	3573.934615520052	3483.166904638478	3481.812972536143	3497.609434796572	1.3340181743554278	0
195	76	55695	-242891.1413	841897.3170250766	39.18400591289176	-101.6550157	270543.3527191193	4340557.9437	3579.831569714146	3480.703750386045	3480.703750386045	3492.17257684914	0	0
196	76	55696	-242241.1413	841897.3170250766	39.18402153575902	-101.6530623	270740.4380340244	4340543.967540721	3584.2623715907844	3478.267128956518	3481.6449257895	3500.850045366319	0	0
197	76	55697	-241581.1413	841897.3170250766	39.18403801366782	-101.6513812	270991.5396481323	4340548.9315418815	3589.6815124673332	3475.83907780152	3476.9008396504204	3499.5928053602635	0	0
198	76	55698	-240921.1413	841897.3170250766	39.18405444662415	-101.6490538	271192.46740600883	4340544.875722583	3595.1233933439235	3473.41786113269573	3474.843429585246	3498.221850365265	0	0
199	76	55699	-240261.1413	841897.3170250766	39.18407083462799	-101.6467265	271393.748662679	4340540.802082814	3596.698055623797	3471.0045797468893	3472.92631652479	3497.2052610237993	0	0
200	76	55700	-239601.1413	841897.3170250766	39.18408717767593	-101.6443391	271594.8523039405	4340536.746226259	3591.4156091227233	3468.5995070501667	3471.0740740445513	3495.0649670409234	0	0
201	76	55701	-238941.1413	841897.3170250766	39.184103645778024	-101.6426071	271795.9567540555	4340532.709	3597.133125863877	3466.2025198787787	3469.2516533729714	3493.96556885351	0	0
202	76	55702	-238281.1413	841897.3170250766	39.18411728702222	-101.6397444	271997.0630504363	4340526.654239803	3592.8506562434113	3463.81141434085	3467.5839215728478	3491.861471604444	0	0
203	76	55703	-237621.1413	841897.3170250766	39.18413593712571	-101.637417	272198.164082328	4340524.593316885	3578.171980596457	3461.42511198689	3465.955238	3488.94510635167	0	0
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214	76	55714	-230361.1413	841897.3170250766	39.18431126037198	-101.6118159	274420.767891942	4340480.00932017	3571.57478904371	3435.448700035183	3451.46584171021756	3482.7109949685008	0	0
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222	76	55722	-225081.1413	841897.3170250766	39.18443535176258	-101.5931494	276019.0871481	4340447.589899908	3567.75420533071	3416.809802493067	3422.38794339719	3476.97939123191	0	0
223	76	55723	-224421.1413	841897.3170250766	39.18445096	-101.5908064	276220.1860459648	4340443.53866997	3568.253679946051	3414.475681346144	3413.016891285795	3457.918485172755	0	0
224	76	55724	-223761.1413	841897.3170250766	39.18446593	-101.588582	276421.565722756	4340349.487	3565.30756380905	3412.139713418185	3430.7565512316	3452.9413680760134	0	0
225	76	55725	-223101.1413	841897.3170250766	39.18448114430668	-101.5862146	276622.3843	4340345.436	3564.3614337157296	3409.8002845443766	3428.2997641504944	3447.98222160061	0	0
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228	76	55728	-221121.1413	841897.3170250766	39.18452653227101	-101.5792324	277225.678292567	4340423.3845907433	3562.769257473727	3402.769257473727	3422.690250308938	3447.909802628723	0	0
229	76	55729	-220461.1413	841897.3170250766	39.18454517168569	-101.576905	277426.175014387	4340419.23433519	3562.582594769368	3400.41787180427	3422.38794339719	3476.97939123191	0	0
230	76	55730	-219801.1413	841897.3170250766	39.18455656614694	-101.5745776	277627.8739090565	4340414.18425597	3562.158657072706	3398.043637879217	3420.85426608371	3421.323947417222	0	0
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234	76	55734	-217161.1413	841897.3170250766	39.18461600454719	-101.565528	278432.2617552671	4340396.865738622	3553.3582324474436	3388.574373045247	3414.9508368606912	3414.441767	0	0
235	76	55735	-216501.1413	841897.3170250766	39.184630981510825	-101.5632643	278634.396818135	4340393.96818135	3551.700442638316	3387.196848817335	3414.90013733216	3414.60013733216	0	0
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239	76	55739	-213861.1413	841897.3170250766	39.18468948338961	-101.553631	279437.741543336	4340378.741621838	3545.9468729291348	3376.695944069919	3406.398465445156	3410.881367736247	0	0
240	76	55740	-213201.1413	841897.3170250766	39.18470403815907	-101.5513036	279638.8368473081	4340374.693336662	3543.872293720539	3374.26042419299	3404.802772325555	3409.595966020787	0	0
241	76	55741	-212541.1413	841897.3170250766	39.18471952689884	-101.5489763	279839.831633896	4340370.654263816	3541.7877145119428	3371.8714535381046	3403.1876459766377	3407.2660289122014	0	0
242	76	55742	-211881.1413	841897.3170250766	39.1847323933485	-101.546648	280041.0289							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SurfBothKgr.ft	SatThBoth.ft
319	76	55819	-161061.1413	841897.3170250766	39.185711103513711	-101.3674358	495524.69590866123	4340055.444533368	3398.0310879698364	322.04120848605573	3188.142256380763	3229.4247787415848	39.66982829960407	0
320	76	55820	-160401.1413	841897.3170250766	39.18572198064615	-101.3651083	495675.77446801926	4340051.411	3393.7604862945284	327.5406724580487	3195.3306201249824	32.2044774876492	31.2044774876492	0
321	76	55821	-159781.1413	841897.3170250766	39.18573286307665	-101.3637608	495819.832683668	4340047.231707446	3395.595854613527	322.263121727092	3211.7068952342625	32.1844911623025	32.1844911623025	1.9786301408647418
322	76	55822	-159081.1413	841897.3170250766	39.185743742312646	-101.3604534	496127.930083908	4340033.343156779	3395.279222912057	320.482693752747	3222.023811038368	31.95838644441034	31.95838644441034	1.93351058197141
323	76	55823	-158421.1413	841897.3170250766	39.18575455999313	-101.3581259	496329.080466949	4340039.31	3383.49128521067	326.6576153514725	3214.6891527965067	32.227298454108945	31.96846255565743	3.927769605777946
324	76	55824	-157761.1413	841897.3170250766	39.185765324717885	-101.3557984	496530.0866973952	4340035.276	3384.166031493587	320.3677983234175	3219.6857981645535	32.26342009521833	31.96846255565743	0
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326	76	55826	-156441.1413	841897.3170250766	39.185786723730021	-101.3511435	496932.24161011157	4340027.214881145	3385.51552407177	325.46747677247	3219.044787451123	32.20329346662603	31.96846255565743	4.544227980696825
327	76	55827	-155781.1413	841897.3170250766	39.18579736115773	-101.348816	497133.31876670173	4340023.177761413	3386.45583165145	324.8784127550098	3211.1015896952495	32.12492120385657	31.96846255565743	12.0355097115308
328	76	55828	-155121.1413	841897.3170250766	39.18580795059434	-101.346485	497334.3677211024	4340019.15252779	3386.401714569975	322.651213414327	3204.188202899436	32.14534814743567	32.14534814743567	9.5218236966474
329	76	55829	-1545461.1413	841897.3170250766	39.1858184800033	-101.344161	497535.4724813463	4340015.1266708	3386.75562697624	323.01246772569	3198.672306977697	32.21514586	32.21514586	25.20416163779931
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333	76	55833	-151821.1413	841897.3170250766	39.18586022025552	-101.334811	498339.7762272265	4339996.965190891	3382.68740238045	322.8172465269687	3183.732659576547	32.073957410848715	32.073957410848715	13.376042609334893
334	76	55834	-151161.1413	841897.3170250766	39.18587039402025	-101.332528	498540.853386077	4339994.953720016	3378.01188324182	321.1120454836705	3181.769165776931	32.044283179637	31.96846255565743	16.6691261713338
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347	76	55847	-142581.1413	841897.3170250766	39.185999795988	-101.3022633	501154.62083656	4339942.66840821	3371.698952140892	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
348	76	55848	-141921.1413	841897.3170250766	39.18600951351598	-101.2999538	501353.9338717164	4339938.184684753	3371.21219005999	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
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352	76	55852	-139281.1413	841897.3170250766	39.18604956916315	-101.2906289	502160.18345142016	4339922.417763079	3368.85108200348	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
353	76	55853	-138621.1413	841897.3170250766	39.1860598191688	-101.2883014	502361.2554859795	4339918.39862984	3367.937650002147	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
354	76	55854	-137961.1413	841897.3170250766	39.18606978191175	-101.2859739	502562.3274254774	4339914.32	3367.02178003404	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
355	76	55855	-137301.1413	841897.3170250766	39.1860795709413	-101.2836464	502763.3899715075	4339910.33407023	3366.1064510514385	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
356	76	55856	-136641.1413	841897.3170250766	39.18608961718078	-101.2813189	502964.074233714	4339906.307	3365.175405753435	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
357	76	55857	-135981.1413	841897.3170250766	39.186099547	-101.2789914	503165.5416817538	4339902.27914476	3364.57188225425	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
358	76	55858	-135321.1413	841897.3170250766	39.18610741257504	-101.2766639	503366.617	4339898.251956148	3363.54651571621	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
359	76	55859	-134661.1413	841897.3170250766	39.18611390787362	-101.2743364	503568.681842947	4339894.2245861	3362.528737890511	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
360	76	55860	-134001.1413	841897.3170250766	39.18612306	-101.2720089	503768.7542971312	4339890.18113897	3361.50311837724	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
361	76	55861	-133341.1413	841897.3170250766	39.18613163439368	-101.2696813	503968.7344602487	4339886.14602487	3360.47921801556	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
362	76	55862	-132681.1413	841897.3170250766	39.18614122388694	-101.2673539	504170.850762805	4339882.14409497	3359.451139664314	321.8187393534374	3173.510205272474	32.00669592045455	32.044283179637	17.01098703284226
363	76	55863	-132021.1413	841897.3170250766	39.18615023923844	-101.2650264	504371.96517714876	4339878.118687625	3358.42920384618	321.8187393534				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
446	76	55945	-77901.14133	841897.3170250766	39.18673651692118	-101.0741698	320859.0783954737	3439548.568392197	3210.371444653482	3202.127738838885	2979.06345346037	3016.46768032045	51.0881283378149	35.65409384813496
446	76	55946	-77921.14133	841897.3170250766	39.18674180052198	-101.0718423	321060.1332403104	3439544.556803438	3208.897263009974	3050.07355057048	2972.698112546759	3017.374452068275	51.3946756211452794	35.65409384813496
447	76	55947	-7581.14133	841897.3170250766	39.18674203993658	-101.0698149	321381.1878909384	3439540.545485356	3207.572086665255	3034.063584895212	2989.48922363478	3013.896210654197	78.57433225	34.0474442310231
448	76	55948	-75921.14133	841897.3170250766	39.18675234050886	-101.0671872	321462.2424054534	3439543.354284892	3068.217388347235	3068.217388347235	2984.717583493785	3012.96947011898	75.5189773295025	43.2423965143247
448	76	55949	-75261.14133	841897.3170250766	39.1867573317896	-101.0648597	321663.29672439105	3439532.523292048	3035.3222994226133	3043.46308274344	2968.3228980165827	2996.356526173125	57.14019020016121	47.10651139934145
450	76	55950	-6601.14133	841897.3170250766	39.18676248734943	-101.0625321	321864.5036696325	3439540.545485356	3041.139211835843	2969.124083659517	2990.960648505087	72.0151821763328	50.1783618575337	47.5065408245898
451	76	55951	-73941.14133	841897.3170250766	39.18676754565225	-101.0602046	322065.4048404669	3439524.501891373	3202.32427233846	3048.7806898646	2969.9627118579856	2991.272515814007	68.8181308348036	47.5065408245898
452	76	55952	-73281.14133	841897.3170250766	39.186772560817495	-101.0587771	322265.57863712684	3439540.545485356	3036.40079	2967.2118584527	2992.428063035814	6.13899256638284	53.96727250777849	47.5065408245898
453	76	55953	-72621.14133	841897.3170250766	39.18677750011588	-101.0565496	322462.512259804	3439540.545485356	3036.40079	2967.2118584527	2992.428063035814	2972.592237768204	61.2822113003681	47.5065408245898
454	76	55954	-71951.14133	841897.3170250766	39.18678245445499	-101.053222	322662.512259804	3439540.545485356	3036.40079	2967.2118584527	2992.428063035814	2972.592237768204	61.2822113003681	47.5065408245898
455	76	55955	-71301.14133	841897.3170250766	39.1867873333727	-101.0508495	322869.619	3439508.46104641	3193.30322114801917	3029.238251448163	2975.520384768825	2983.748332121073	53.708866579337916	93.891914
456	76	55956	-70641.14133	841897.3170250766	39.186792168261896	-101.0485698	323070.672086123	3439504.451	3191.2065396028035	3026.875034902672	2976.615233468035	2981.3876580485467	50.25980143457218	85.4871698540054
457	76	55957	-69981.14133	841897.3170250766	39.186796957728845	-101.0462394	323271.7250148199	3439504.451	3189.1098572868377	3024.5230903132356	2977.1810581220093	2985.76585843715	52.3900191226295	91.47440743
458	76	55958	-69321.14133	841897.3170250766	39.18680170223813	-101.0439118	323472.777706713	3439496.43247826	3187.011749257512	3022.212697502127	2977.376159652877	2984.8795188895797	44.43611405492502	67.327308063043
459	76	55959	-68661.14133	841897.3170250766	39.18680641719201	-101.0415843	323678.830453714	3439492.423	3185.043255525202	3019.92063835988	2977.476964401246	2983.965579726445	44.43611405492502	67.327308063043
460	76	55960	-68001.14133	841897.3170250766	39.1868110633588	-101.0392567	323874.882662671	3439484.14099095	3183.20702148332	3017.6608089252	2977.8140063406295	2985.36007	39.84680351892504	52.3900191226295
461	76	55961	-67341.14133	841897.3170250766	39.186815666022014	-101.0368292	324075.9351024778	3439484.052277007	3181.357977744448	3015.4359119031197	2978.25391863679	2985.36007	39.84680351892504	52.3900191226295
462	76	55962	-66681.14133	841897.3170250766	39.18682023070044	-101.0346017	324276.8671685516	3439484.052277007	3179.515235741558	3013.246791387968	2982.89660092249	2989.836534140977	38.161001124537783	43.4017027269099
463	76	55963	-66021.14133	841897.3170250766	39.18682475042116	-101.0322741	324478.030692622	3439476.38035359	3178.431884	3011.0662012491793	2989.3822032013063	2987.4805728699273	21.7398604789082	32.6456237926965
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465	76	55965	-64701.14133	841897.3170250766	39.1868335498935	-101.027619	324880.142335992	3439463.1553983	3177.78396142298	3006.91103659942	2992.43846580992	2987.4805728699273	14.224257071059964	21.7398604789082
466	76	55966	-64041.14133	841897.3170250766	39.18683839636815	-101.0252915	324988.1937155695	3439463.1553983	3177.78396142298	3006.91103659942	2992.43846580992	2987.4805728699273	14.224257071059964	21.7398604789082
467	76	55967	-63381.14133	841897.3170250766	39.1868437478511484	-101.0229787	325096.5486928413	3439458.12754542	3176.870987891818	3006.91103659942	2992.43846580992	2987.4805728699273	14.224257071059964	21.7398604789082
468	76	55968	-62721.14133	841897.3170250766	39.186849671	-101.0206364	325283.29596157256	3439458.12754542	3176.870987891818	3006.91103659942	2992.43846580992	2987.4805728699273	14.224257071059964	21.7398604789082
469	76	55969	-62061.14133	841897.3170250766	39.18685502463288	-101.0183089	325484.368421564	3439458.12754542	3176.870987891818	3006.91103659942	2992.43846580992	2987.4805728699273	14.224257071059964	21.7398604789082
470	76	55970	-61401.14133	841897.3170250766	39.18685512964099	-101.0159813	325685.3975247602	3439443.3455217	3175.036661807203	3007.192543809924	2994.5211016326857	2987.4805728699273	14.224257071059964	21.7398604789082
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472	76	55972	-60081.14133	841897.3170250766	39.18686340480848	-101.0113262	326287.4984067682	3439440.319457942	3172.991987117073	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
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474	76	55974	-58761.14133	841897.3170250766	39.18687175001366	-101.006571	326689.59289725535	3439432.17254542	3172.991987117073	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
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477	76	55977	-56781.14133	841897.3170250766	39.18688330594524	-100.9998885	327292.74624371	3439420.287569478	3163.87157339496	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
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479	76	55979	-55461.14133	841897.3170250766	39.18689051859511	-100.9950334	327694.84845137474	3439412.27665809	3159.054951639862	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
480	76	55980	-54801.14133	841897.3170250766	39.1868947713325	-100.9927769	327895.85157532	3439408.27054944	3156.921518	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
481	76	55981	-54141.14133	841897.3170250766	39.18689884176132	-100.9904783	328096.93490911164	3439404.26521591	3154.825908123296	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
482	76	55982	-53481.14133	841897.3170250766	39.186902083135005	-100.9880508	328297.992654256	3439400.26115504	3152.734136371234	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
483	76	55983	-52821.14133	841897.3170250766	39.18690570370044	-100.9857322	328499.0411549013	3439396.25517598	3151.083852163616	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
484	76	55984	-52161.14133	841897.3170250766	39.18690927930708	-100.9833957	328700.0848547367	3439392.35735435	3149.541506862178	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
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486	76	55986	-50841.14133	841897.3170250766	39.1869162956465	-100.9787406	329102.1856543424	3439384.2134448	3146.37499552457	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
487	76	55987	-50181.14133	841897.3170250766	39.186920312154604	-100.9764055	329303.218154604	3439380.2595281	3144.80219110424	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
488	76	55988	-49521.14133	841897.3170250766	39.186924132154604	-100.9740855	329504.2811368654	3439376.23022616	3143.86279110424	3003.466481	2993.9834667479203	2984.7095868084984	54.411346659078	47.5682216693167
489	76	55989	-48861.14133	841897.3170250766	39.186926428717114	-100.9717579	329705.328632607	3439372.229	3142.85026048392	3003.466481	2993.9834667479			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln.	BREIEvLogskg.ft	BREIEvBothkg.ft	SatHtLogsk.ft	SatHtBoth.ft
571	56071	5258.858673073351	841897.3170250766	-19.18704825773472	-100.7808985	346190.67600942325	4339044.512266315	2997.6011969279543	2883.958787439286	2833.4236939561615	2851.0073896370677	56.14209348	38.827947280218205
572	56072	5198.858673073351	841897.3170250766	-19.187047877030494	-100.7785709	346391.1703899474	4339040.523057695	2996.7739248406852	2886.799945049951	2830.662896391084	2841.280764062406	58.10765540788316	47.51786844475993
573	56073	6578.858673073351	841897.3170250766	-19.187047631368116	-100.7622871	347798.9468913081	4339026.53402909	2996.9466530953022	2887.747178	2837.4223263969398	2852.3530306464543	60.34302221186958	58.39214339949856
574	56074	7238.858673073351	841897.3170250766	-19.1870469074759	-100.7391158	346673.77820733274	4339035.541562026	2996.1633465452655	2886.76129850964	2833.940572	2841.13469091306	62.37594128974628	62.53043030978938
575	56075	7898.858673073351	841897.3170250766	-19.187046465168905	-100.7715883	346984.8126354143	4339028.556490009	2993.5242481102503	2885.586873673013	2824.752919	2824.4424154170915	60.839543632866	61.1403825292156
576	56076	8558.858673073351	841897.3170250766	-19.1870454063207	-100.7692607	347195.8464198852	4339026.57687035	2991.2159861167044	2884.4770334805717	2825.417870444504	2849.051543219674	59.0915543612127	61.01360128327484
577	56077	9218.858673073351	841897.3170250766	-19.187045299137075	-100.7669332	347396.88005535543	4339020.57961245	2988.88948503963	2883.345618744267	2825.9942684834657	2823.885570091653	57.3513530976984	59.64004591731116
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583	56083	13178.858673073351	841897.3170250766	-19.1870407224062	-100.7529678	348603.0787589726	4339006.641168	2990.767671938864	2886.7905804330978	2831.666760665452	2845.04601958414	42.3510011274215	30.96174754547226
584	56084	13838.858673073351	841897.3170250766	-19.1870398	-100.7506403	348804.113599961	4339006.6621391	2991.952454518954	2887.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
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604	56104	27038.858673073351	841897.3170250766	-19.1870115659638	-100.7040892	352824.73289924457	4339012.96115913	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
605	56105	27698.858673073351	841897.3170250766	-19.1870100029304	-100.7017616	353025.7624649418	4339008.938	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
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607	56107	29018.858673073351	841897.3170250766	-19.18700622675471	-100.6971055	353427.8211	4339001.9192957	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
608	56108	29678.858673073351	841897.3170250766	-19.1870042955798	-100.694779	353628.850264846	4339000.9207261	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
609	56109	30338.858673073351	841897.3170250766	-19.18700218403195	-100.6924514	353829.8792530956	4338993.046	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
610	56110	30998.858673073351	841897.3170250766	-19.1870000229036	-100.6901239	354030.9081	4338989.0386489	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
611	56111	31658.858673073351	841897.3170250766	-19.1869979621942	-100.6877963	354231.938042632	4338985.01557991	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
612	56112	32318.858673073351	841897.3170250766	-19.1869958319042	-100.685481	354432.965675795	4338981.09450474	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
613	56113	32978.858673073351	841897.3170250766	-19.1869937626284	-100.683195	354633.993271921	4338977.15492738	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
614	56114	33638.858673073351	841897.3170250766	-19.1869912902531	-100.6808136	354835.020707129	4338973.13562994	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	30.0183025
615	56115	34298.858673073351	841897.3170250766	-19.18698897635519	-100.6784681	355036.0502109361	4338969.154006414	2991.783915	2886.7905804330978	2831.6747033721193	2844.656633799491	40.9527265280176	

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	SatHtKgr.f	SatHtBoth.f
697	76	56197	88418.85867307335	841897.3170250766	39.18664624463384	-100.4876275	171915.8986172367	4338543.2597248675	2784.3115458776035	2691.046612186371	2626.4120148294037	64.63459735696733	64.43312536856939
698	76	56198	88419.85867307335	841897.3170250766	39.18664019923597	-100.48845	1717.7201953192736	4338539.29	2785.158423807507	2699.4371396645633	2626.0073925974304	63.4290403713288	63.18986837
699	76	56199	88420.85867307335	841897.3170250766	39.18663410888071	-100.4891728	1718.3202341817	4338535.628645095	2786.1347838393526	2697.833622338444	2625.504703358671	62.3288323839341	61.98342919
700	76	56200	90398.85867307335	841897.3170250766	39.18662973568086	-100.480635	17212.290595768	4338531.391568424	2785.1310489	2696.238824191705	2625.1025572340338	62.45874748566803	61.13062619
701	76	56201	91058.85867307335	841897.3170250766	39.186621733298094	-100.4783174	17223.32660849487	4338527.326627216	2786.0548240606794	2684.65549949947	2624.981596058326	62.62573013073162	60.97834851462083
702	76	56202	91718.85867307335	841897.3170250766	39.1866155680706	-100.4758989	17252.82436756282	4338523.403631474	2741.6611917405283	2683.068282569104	2625.3805905723043	62.52563302106250	57.50678615030886
703	76	56203	92378.85867307335	841897.3170250766	39.1866029788608	-100.4736624	172725.99903479866	4338519.460119156	2738.07387761215	2681.532093535653	2626.05482165644	62.626323290125955	55.4789241900881
704	76	56204	93038.85867307335	841897.3170250766	39.18660298274409	-100.4713348	172927.0157306091	4338515.446212687	2741.11426653514	2679.99958	2627.023861288745	62.627304358712348	52.62949622833147
705	76	56205	93698.85867307335	841897.3170250766	39.1865966254477	-100.469073	173128.03241817	4338511.528418644	2746.3524695510273	2659.4848146678257	2628.058675662157	62.628506246707565	50.39913566226115
706	76	56206	94358.85867307335	841897.3170250766	39.1865921758814	-100.4665798	173329.048215402	4338507.56272918	2749.595510448479	2675.993412330096	2627.47500252353	62.629798253167433	47.1521115074545
707	76	56207	95018.85867307335	841897.3170250766	39.18658376574234	-100.4643253	173830.0642746701	4338503.592447004	2744.021131324284	2675.8256181873674	2630.979651324041	62.631291672	44.5450668626644
708	76	56208	95678.85867307335	841897.3170250766	39.1865772760304	-100.4620247	173731.0802121172	4338496.63	2746.767102262784	2674.01944472927	2632.925165342115	62.6322917337446	41.12018714
709	76	56209	96338.85867307335	841897.3170250766	39.186570732674575	-100.4596972	173932.0960279627	4338485.666973167	2748.2762222252424	2672.66222252424	2635.394593398053	62.63319016	37.45272693149065
710	76	56210	96988.85867307335	841897.3170250766	39.18656417788864	-100.4573967	174133.1117224145	4338481.702050277	2740.8737640830763	2671.2656381417833	2637.774721875953	62.634750074734847	33.515766793451
711	76	56211	97658.85867307335	841897.3170250766	39.18655917549593	-100.4550421	174334.12725967505	4338487.737303663	2739.888653183063	2669.96029356223	2640.667839150544	62.6350894884949	29.42299541168978
712	76	56212	98318.85867307335	841897.3170250766	39.18655084314573	-100.4527146	174535.1427470489	4338483.773	2740.9458517769545	2668.3351907505715	2642.716672876996	62.63431187070184	25.41765202659316
713	76	56213	99878.85867307335	841897.3170250766	39.18654412338834	-100.4503387	174736.15807941416	4338479.808363515	2742.071049356017	2667.19410389064	2640.5468090671366	62.6358428417467	26.016749823774027
714	76	56214	99638.85867307335	841897.3170250766	39.18653735867372	-100.4480596	174937.173290356	4338474.844114614	2743.08248	2665.86554319829	2638.6213620529505	62.6371871143016	27.2448110123861
715	76	56215	100298.85867307335	841897.3170250766	39.1865304900194	-100.4457321	175138.188380092	4338471.88009693	2746.547568746795	2637.168623826735	2637.145014313931	62.63789442006171	27.40255443
716	76	56216	100638.85867307335	841897.3170250766	39.186526304369555	-100.4434045	175339.20345119946	4338467.916196651	2745.649105682304	2638.263170710029	2636.114378959197	62.6387762605714	26.376014052341584
717	76	56217	101618.85867307335	841897.3170250766	39.18651679478314	-100.441077	175540.21830161063	4338463.95201639	2746.33494688124	2661.9351971199284	2634.7739477236255	62.6394359788817	27.1612494
718	76	56218	102178.85867307335	841897.3170250766	39.186506204007	-100.4387495	175741.233322623	4338459.8881932	2725.02767369344	2660.63705281348	2632.54425816535	62.63956420764093	27.12159666316436
719	76	56219	102858.85867307335	841897.3170250766	39.18649749687725	-100.4368174	175945.32681074728	4338456.25853532	2728.03481835966	2658.31977158975	2634.4188954587485	62.6397651512198	27.108533830646
720	76	56220	103598.85867307335	841897.3170250766	39.18648562628204	-100.4340044	176143.2621351064	4338452.0694425	2728.2742762629	2658.04895476348	2628.8615542101667	62.6371818230432	29.38730527
721	76	56221	104258.85867307335	841897.3170250766	39.18648487685734	-100.4317669	176344.276507708	4338446.49845945	2732.2145925125456	2656.75617685536	2626.6544420313374	62.62617441197143	29.017383350632964
722	76	56222	104918.85867307335	841897.3170250766	39.18648162249557	-100.4294394	176545.2907613683	4338441.136656042	2736.1549482382	2655.4629721171623	2625.325349463816	62.625409279257903	30.13473717078068
723	76	56223	10558.85867307335	841897.3170250766	39.18647445316696	-100.4271119	176764.3049629344	4338440.17012756	2736.8897854528513	2654.388366915645	2624.940784959736	62.625128396614427	29.03947032017166
724	76	56224	106238.85867307335	841897.3170250766	39.1864672388073	-100.4247844	176947.3189126834	4338436.211544722	2734.446110423623	2652.871869	2625.21034578423	62.62502680196996	27.66103445734688
725	76	56225	106988.85867307335	841897.3170250766	39.18646296737725	-100.4226687	177148.33261074728	4338432.494951939	2731.934138185065	2651.57896359522	2640.667839150544	62.6250894884949	29.42299541168978
726	76	56226	107558.85867307335	841897.3170250766	39.18645675474298	-100.4201723	177349.3466193734	4338429.78213493	2733.540735186227	2649.327797145537	2625.500426998116	62.62519271756864	25.45045453767234
727	76	56227	108218.85867307335	841897.3170250766	39.1864532628059	-100.4178018	177550.3602521703	4338424.35192075	2735.122140570976	2648.985752290737	2624.92531332824	62.626189253662	24.169595727041562
728	76	56228	108878.85867307335	841897.3170250766	39.18644392316649	-100.4154743	177751.3737970186	4338423.36342978	2736.7460957641941	2622.404644	2623.030924874097	62.62583767177089	24.6597327942313
729	76	56229	109538.85867307335	841897.3170250766	39.186430309359	-100.4131468	177952.3872236167	4338416.40183392	2737.353045717776	2646.395146923116	2620.179387016664	62.62608956746573	25.5045252966328
730	76	56230	110198.85867307335	841897.3170250766	39.1864230096729	-100.4108193	178153.4005330944	4338410.44014106	2736.965800511778	2645.098991120213	2618.410235222573	62.626875589765946	26.21092038313027
731	76	56231	110588.85867307335	841897.3170250766	39.1864154006223	-100.4084817	178354.4317257022	4338407.491748194	2737.50177283178	2643.801945491284	2616.2650562	62.6261789489234161	27.27143343868258
732	76	56232	111518.85867307335	841897.3170250766	39.18640749687725	-100.4061847	178545.32681074728	4338404.18106045	2738.03481835966	2642.52077158975	2634.4188954587485	62.6269151512198	27.108533830646
733	76	56233	112178.85867307335	841897.3170250766	39.1864028724123	-100.403867	178756.43760029	4338400.57	2658.5585	2641.19474110696	2625.919024032444	62.6274831958287	27.2923138745268
734	76	56234	112838.85867307335	841897.3170250766	39.1863962338532	-100.4015092	178957.456	4338396.59650101	2694.05381652521	2639.87657549806	2610.840158936405	62.6271648632718	29.0364262334118
735	76	56235	113498.85867307335	841897.3170250766	39.186384914572486	-100.3991817	179158.4653283554	4338393.63506868	2693.75837260696	2638.54871600964	2609.800155959038	62.6271382717187	28.74245605006376
736	76	56236	114158.85867307335	841897.3170250766	39.1863771608027	-100.3968542	179359.4779383116	4338388.676	2695.7119944309	2637.2103219990545	2605.356197312026	62.626935998307405	28.5254067851907
737	76	56237	114818.85867307335	841897.3170250766	39.18636936207135	-100.3945266	179560.490423941	4338384.71540491	2698.8518586117	2635.862114147084	2604.839049	62.6269067965174	28.03260548198553
738	76	56238	115478.85867307335	841897.3170250766	39.1863615183635	-100.3921191	179761.502810065	4338380.75	2698.504771192965	2634.507403483434	2601.441239990628	62.626517380158524	29.3303084852997
739	76	56239	116198.85867307335	841897.3170250766	39.1863539216469	-100.3894491	179962.560774222	4338376.17547223	2698.191684574822	2633.1847754122	2628.791868519861	62.6267196841927	29.42299541168978
740	76	56240	116798.85867307335	841897.3170250766	39.18634566155094	-100.3871941	180163.572214418	4338372.85836941	2694.302496310694	2631.759707528504	2600.225170980098	62.626103435394452	30.1562990420014
1	77	56241	-370941.1413	842557.3170250766	39.1817618365306	-102.1075534	231574.50748651915	431458.643717069	4059.56206506709	3851.4358381465165	3790.068118204005	61.67020432611586	61.759310360516195
2	77	56242	-370281.1413	842557.3170250766	39.18177800811841	-102.1052262	231775.601864772	431454.5523715054	4054.966973431298	3845.07020855232	3786.81254671933	61.73862564136222	63.47849797
3	77	56243	-369621.1413	842557.3170250766	39.18178122785482	-102.1028991	231976.812608259	431450.6411491122	4050.085619778993	3840.4963063487	3783.60496305862	61.6534053038682	65.05530383793566
4	77	56244	-3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRLEvLog.km2	BRLEvElev.km	SatHkLog.km	SatHkBoth.ft
83	77	56323	-316821.1413	842557.3170250766	19.1368254076731	-101.916721	248068.16224112245	3441213.7494509425	3832.2402292436943	3713.567878683413	3659.184627	3657.041644149787	72.3823166	74.1662343536267
84	77	56324	-316161.1413	842557.3170250766	19.13407409661372	-101.914337	248269.2937822623	34120126.9727358	3830.459371942757	3729.9841841616612	3657.878196535819	3652.656989366982	72.10599765284206	74.3555150648722
85	77	56325	-315541.1413	842557.3170250766	19.1337434597676	-101.912064	248470.4267403486	341205.96467254	3827.675720941815	3729.3884876096367	3657.683456506193	3653.983456784715	71.3008532458985	74.40514182492416
86	77	56326	-314841.1413	842557.3170250766	19.133740779512074	-101.9097391	248471.5561161944	341201.520260443	3824.8904690984831	3726.79718842146	3655.938263630224	3652.656989313286	70.841452339217	74.71404076907998
87	77	56327	-314181.1413	842557.3170250766	19.13376850252772	-101.9074118	248872.8869102475	341154.42244641	3821.3717554125315	3725.156918933875	3654.42022863349	3649.960891583063	70.7366898888862	75.19622651032432
88	77	56328	-313521.1413	842557.3170250766	19.13377988059373	-101.9050485	249073.7145511622	341193.368	3816.9471573762004	3723.5197567868267	3653.14593323165	3648.805870397673	70.738234366167	74.713863895041
89	77	56329	-312861.1413	842557.3170250766	19.13381121	-101.9027572	249274.8475174284	341189.29694588	3812.6756930002094	3721.8674560408883	3651.7355452325173	3647.89651048556	70.73191171337101	73.797094636
90	77	56330	-312201.1413	842557.3170250766	19.1338321876516	-101.900429	249474.70777939161	341185.217	3808.206412424128	3720.19589604817	3649.577323864263	3646.5968887074514	70.73061018249062	73.7307173936548
91	77	56331	-311541.1413	842557.3170250766	19.13383745393224	-101.8981027	249677.2075969268	341174.184064258	3808.189564464338	3718.511023849404	3647.952765506193	3646.015248679925	70.5280423987695	72.46577468321192
92	77	56332	-310881.1413	842557.3170250766	19.1337494336074	-101.8957754	249878.3751108674	341177.066753112	3717.5252439117	3716.80113255859	3646.068971013123	3642.882371796624	70.732161548963	72.733100739362
93	77	56333	-310221.1413	842557.3170250766	19.133836069677046	-101.8934841	249970.4665422967	341172.992	3791.862938778336	3715.063841040597	3644.166633306055	3642.485219737585	70.89707205343184	72.436210733627
94	77	56334	-309561.1413	842557.3170250766	19.13391720504414	-101.8911208	250280.59551184258	341168.917027853	3786.199618574504	3713.2799300805597	3641.8726653874	3642.7169325041	71.43266423	70.5632375052953
95	77	56335	-308901.1413	842557.3170250766	19.1338268461176	-101.8887935	250481.74232113133	341164.821435914	3781.6852889154204	3711.3959211005193	3639.946795104695	3643.159676334744	71.655700048384	67.86255347
96	77	56336	-308241.1413	842557.3170250766	19.13395926982828	-101.886462	250682.8529	341160.78024431	3778.31993902002	3709.3502803656	3638.63017062862	3646.092123996406	70.64767143079375	63.31259684011516
97	77	56337	-307581.1413	842557.3170250766	19.1339626044532	-101.8841389	250883.9811955463	341156.693793589	3774.954989880755	3706.8412089173985	3638.859441302575	3652.167116759153	67.95626479	54.67409215824456
98	77	56338	-306921.1413	842557.3170250766	19.13400118901228	-101.881116	251065.1026709238	341152.6197427865	3771.582426714495	3704.331558218294	3640.341359	3659.5450929251993	63.69019449891374	44.4864899304554
99	77	56339	-306261.1413	842557.3170250766	19.134042207	-101.8794843	251286.2378914095	341145.545876213	3768.714845330787	3701.0444516302617	3642.313696638766	3662.54218532501	58.730781964674828	38.5002337073252
100	77	56340	-305601.1413	842557.3170250766	19.134042911295776	-101.8771569	251487.364664884	341144.427182867	3766.331391379717	3697.9882430026214	3661.0549196246056	3663.229573	53.9371512636094	34.75866142549148
101	77	56341	-304941.1413	842557.3170250766	19.134063705012264	-101.8748296	251688.4919945288	341140.398673358	3763.9473941	3694.80541747145	3645.2093546026185	3662.950044716932	49.68099594126445	31.956500490112736
102	77	56342	-304281.1413	842557.3170250766	19.134064445377848	-101.8725023	251889.6190782608	341136.325344617	3761.564504	3691.82517947347	3645.1535414479324	3661.959487461262	47.6557653738674	28.9657908201049
103	77	56343	-303621.1413	842557.3170250766	19.13410515759442	-101.870175	252000.74891636122	341132.252	3760.2017435227826	3688.754443439095	3643.47071594826	3656.44897609127	42.5833049	32.3095882996341
104	77	56344	-302961.1413	842557.3170250766	19.13412581640075	-101.867477	252291.8725089564	341119.7522785	3759.85966664234	3685.70462236439	3640.133556249797	3641.772857549224	45.55128670145996	43.927365761107214
105	77	56345	-302301.1413	842557.3170250766	19.1341693359765	-101.865292	252589.761596627851	341109.6498817	3749.88448198629	3745.84848742013	3640.0062297156	3641.576225021957	45.599161664339093	42.3338243925565
106	77	56346	-301641.1413	842557.3170250766	19.134176699340235	-101.8631931	252684.124555304	341110.03382907	3759.175523	3679.694383849607	3643.17043726269	3644.838905883306	45.5991031089168	35.055744466309
107	77	56347	-300981.1413	842557.3170250766	19.13418762335467	-101.8608586	252895.2508159183	341115.961405937	3757.00320276832	3676.745181064357	3629.854800289958	3647.234612	46.826001336394	29.516589730719935
108	77	56348	-300321.1413	842557.3170250766	19.13420800241866	-101.8585384	253096.3764286495	341111.89109338	3753.00533532013	3673.840046012154	3624.923451225347	3649.2500737919645	49.1659478682914	24.5899272018934
109	77	56349	-299661.1413	842557.3170250766	19.13422843653211	-101.8562111	253297.50178962367	341107.889309	3748.998069	3670.98308415502	3619.635078	3648.1098958529226	22.874035522939283	18.6588239293823
110	77	56350	-299001.1413	842557.3170250766	19.13424882496502	-101.853838	253486.628090524	3411103.745207217	3744.99501625399	3668.18008638676	3614.3924519115353	3648.8207549115353	53.78835492714052	21.360154423930813
111	77	56351	-298341.1413	842557.3170250766	19.134269816997033	-101.851565	253689.761596627851	341109.6498817	3745.84848742013	3656.84848742013	3640.0062297156	3641.576225021957	45.599161664339093	20.2925824198137
112	77	56352	-297681.1413	842557.3170250766	19.13429176611413	-101.849292	253900.6764370222	341105.61974648	3744.647059025434	3645.078157488554	3638.859441302575	3646.092123996406	19.64405696027723	15.055744466309
113	77	56353	-297021.1413	842557.3170250766	19.134309723480034	-101.8469018	254102.006295652	341109.6498817	3742.445517914648	3660.119049499434	3598.339993016061	3643.84108495451	61.75991198343263	22.27881850442062
114	77	56354	-296361.1413	842557.3170250766	19.13432993240334	-101.8445745	254303.1249786764	3411087.45947096	3742.2255474215285	3657.59174215285	3593.7473866301843	3627.62304441845	63.7817858100774	29.93614971100645
115	77	56355	-295701.1413	842557.3170250766	19.134350097249926	-101.8422472	254504.24884507	3411083.38482886	3739.04262494899	3655.063508117066	3589.361935298236	3617.4184573962343	65.70437051887393	33.6478497172194
116	77	56356	-295041.1413	842557.3170250766	19.134370216708714	-101.8399199	254705.3752473824	3411093.71678991	3732.8964947643837	3652.6423931199565	3586.442888731747	3608.9342354564	66.199043827434	43.65890784801
117	77	56357	-294381.1413	842557.3170250766	19.13439629122696	-101.8375928	254906.496	3411075.24763379	3726.7505703390803	3648.268719397184	3584.99934041777	3603.273895795167	62.7947151977216	40.071689817664453
118	77	56358	-293721.1413	842557.3170250766	19.13441032078375	-101.8352652	255107.619441127	3411071.7511008	3724.8643424328	3648.0062297156	3584.99934041777	3603.273895795167	62.7947151977216	40.071689817664453
119	77	56359	-293061.1413	842557.3170250766	19.13443030538997	-101.8329373	255308.7241798307	341107.70680360346	3645.782157488554	3638.859441302575	3596.10897065677	3608.9342354564	66.199043827434	43.65890784801
120	77	56360	-292401.1413	842557.3170250766	19.13445024504521	-101.8306105	255509.8646725057	341107.70680360346	3717.7640631162074	3643.630957916067	3585.02631042638	3591.2807716110176	54.64458448963464	52.35051196814801
121	77	56361	-291741.1413	842557.3170250766	19.13447013974952	-101.8282832	255710.9873247868	3411058.36619152	3717.91324	3641.545137525225	3586.06465674568	3584.57660338516	54.64458448963464	52.35051196814801
122	77	56362	-291081.1413	842557.3170250766	19.1344899508282	-101.8259559	255912.109352314	3411054.8966379	3718.061622285524	3639.52285994104	3588.501364124335	3573.0167093798273	51.01894834505538	65.5005801215719
123	77	56363	-290421.1413	842557.3170250766	19.13450979430504	-101.8236285	256113.234997497	3411050.82707998	3712.8964947643837	3652.6423931199565	3586.442888731747	3608.9342354564	66.199043827434	43.65890784801
124	77	56364	-289761.1413	842557.3170250766	19.13452955415623	-101.8213012	256314.3523605335	3411046.7573267	3716.49891895921	3635.666231111096	3592.8326244141854	3578.32519373003	42.623969	57.33370540739406
125	77	56365	-289101.1413	842557.3170250766	19.1345496914722104	-101.8190262	256512.1986672538	341104.20533164	3714.630267881405	3634.859381981196	3582.109138081116	3578.32519373003	42.623969	57.33370540739406
126	77	56366	-288441.1413	842557.3170250766	19.13456983065625	-101.816465	256716.5995489828	341103.61953741	3714.239803990596	3632.00856011363	3585.88578513914	3571.05156491730	33.324554572212	36.98770143833484
127	77	56367	-287781.1413	842557.3170250766	19.13458864062085	-101.8143192	256917.7168504702	3411034.550732842	3710.875465489675	3630.2586512564022				

ix	iy	x	Y.f	Latitude	Longitude	UTM.X	UTM.Y	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f	
208	77	56449	-233661.1413	842557.3170250766	39.18604481555037	-101.6234732	273408.8396387483	3440701.520091836	3568.801115547935	3447.8891788152782	3458.9693742871996	3487.913341866201	0
210	77	56450	-233601.1413	842557.3170250766	39.18605073547787	-101.6211458	273609.8413731354	3406897.466206007	3568.2112723401586	3445.567362746395	3457.775919402602	3487.776881989004	0
211	77	56451	-233261.1413	842557.3170250766	39.18607638445116	-101.6188163	273811.0429643864	3406893.412498816	3568.87470415634	3443.12387096931	3458.23682096931	3487.776881989004	0
212	77	56452	-233661.1413	842557.3170250766	39.18609238847079	-101.6164809	274012.1441702165	3406898.358973257	3571.0929502197547	3454.1140518437924	3485.950242725443	3487.776881989004	0
213	77	56453	-233021.1413	842557.3170250766	39.186108147536174	-101.6141635	274213.2452365744	3406898.305626325	3572.209798419507	3438.590187358282	3453.4400922030222	3485.950242725443	0
214	77	56454	-233061.1413	842557.3170250766	39.18612386147474	-101.611836	274414.3460781195	3406898.25459011	3573.327306855944	3436.276584107073	3452.2272635445456	3485.950242725443	0
215	77	56455	-229701.1413	842557.3170250766	39.18613953800462	-101.6095086	274615.446697101	3406897.199471308	3572.5658488414514	3433.967038375022	3450.9927060756286	3489.447231901322	0
216	77	56456	-229041.1413	842557.3170250766	39.18615515005759	-101.6071811	274816.54703943653	3406873.146663204	3569.9363443760312	3431.661285	3448.181548398555	3491.89827	0
217	77	56457	-228381.1413	842557.3170250766	39.186170734256415	-101.6048537	275017.6472675585	3406869.904034702	3567.3031991007115	3429.3675204839538	3446.612696	3491.89827	0
218	77	56458	-227761.1413	842557.3170250766	39.186196265508	-101.6025262	275218.7472195214	3406895.015857835	3564.670055445191	3427.0548801359925	3444.3073656424986	3489.026526976155	0
219	77	56459	-227261.1413	842557.3170250766	39.1862071789132	-101.6001988	275419.68496856257	3406893.98316448	3564.118461146373	3424.7518229413818	3442.3961722730546	3483.56074689475	0
220	77	56460	-226401.1413	842557.3170250766	39.186217022277405	-101.5987714	275620.9465	3406866.937	3565.648417014158	3422.4483706077775	3439.523245455369	3487.77505924811	0
221	77	56461	-225741.1413	842557.3170250766	39.186232601709136	-101.5955439	275822.055448163	3406862.885316494	3567.178372881942	3420.143936485574	3437.384249463584	3472.53872317572	0
222	77	56462	-225081.1413	842557.3170250766	39.18624795618656	-101.5932165	276023.1448103965	340648.834	3568.708326749726	3417.8372613580746	3435.330043307538	3467.285366142225	0
223	77	56463	-224421.1413	842557.3170250766	39.186263526570961	-101.590889	276224.2435849977	3406464.762034776	3568.726917433394	3415.52787440019	3433.4823247510383	3462.182907342202	0
224	77	56464	-223761.1413	842557.3170250766	39.18627853	-101.5885616	276425.34227851784	340640.730863242	3567.234138932945	3413.215227633378	3431.7043714567617	3457.182216356552	0
225	77	56465	-223101.1413	842557.3170250766	39.18629374889254	-101.5862341	276626.408814657	340636.679471241	3565.7413604324964	3410.899283913313	3429.9667351770045	3452.22673	0
226	77	56466	-222441.1413	842557.3170250766	39.18630384525233	-101.5839067	276827.5386634436	340632.628458772	3564.248581932466	3408.5797006757448	3428.277133652924	3447.26355334637	0
227	77	56467	-221781.1413	842557.3170250766	39.18632405425765	-101.5815792	277028.638261609	340628.57562826	3563.228064620467	3406.256614455328	3426.613157830168	3442.250081881177	0
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229	77	56469	-220461.1413	842557.3170250766	39.186354178804734	-101.5769243	277430.83026092275	340616.47684073	3562.105254571301	3401.6024411303174	3424.296302435283	3432.562104893021	0
230	77	56470	-219801.1413	842557.3170250766	39.18636917364645	-101.5745969	277631.92593572719	340612.62400452	3560.25803145927	3399.2708725930756	3422.2754309175652	3426.56718691605	0
231	77	56471	-219141.1413	842557.3170250766	39.18638412353355	-101.5723824	277832.97689717	340608.7788243698	3558.369368	3397.8472282	3422.96170231461	3422.96170231461	0
232	77	56472	-218481.1413	842557.3170250766	39.1863930426608	-101.5699419	278034.123404631	340608.32153584	3556.99255967573	3394.597851570307	3419.5978122698827	3418.931839008002	0
233	77	56473	-217821.1413	842557.3170250766	39.186413888443916	-101.5676145	278235.219885407	340604.276397721	3554.154063995227	3392.255313	3418.05227685889	3417.630794034574	0
234	77	56474	-217161.1413	842557.3170250766	39.1864287	-101.565287	278436.3164115138	340600.226821232	3551.308842027496	3389.908618090068	3416.510225865705	3417.563241603954	0
235	77	56475	-216501.1413	842557.3170250766	39.186443473535554	-101.5629596	278637.4126	340596.177424203	3548.91152159215	3387.5676203483784	3414.239312766876	3417.00598	0
236	77	56476	-215841.1413	842557.3170250766	39.186458198649305	-101.5606321	278838.5086080696	340592.12806638	3546.024344046533	3385.203831575671	3412.4212835087096	3418.142923731177	0
237	77	56477	-215181.1413	842557.3170250766	39.18647398788028	-101.5583466	279039.6947087493	340588.7918616	3545.01798165	3384.677049777723	3411.398997107586	3417.00598	0
238	77	56478	-214521.1413	842557.3170250766	39.186487514012465	-101.5559772	279240.669176707	340584.06886529117	3543.06886957	3383.48069570574	3410.7603097574	3415.141716911	0
239	77	56479	-213861.1413	842557.3170250766	39.186502104261834	-101.5536497	279441.79526680906	340579.981630595	3540.8380828135696	3378.122165415084	3407.7659595134583	3411.5532431294009	0
240	77	56480	-213201.1413	842557.3170250766	39.1865166495636	-101.5512323	279642.8904	340575.7933	3538.333684042127	3375.7452990124307	3406.0813594238707	3411.5532431294009	0
241	77	56481	-212541.1413	842557.3170250766	39.18653114898901	-101.5489948	279843.98528429883	340571.884810384	3535.826359948557	3373.3853319084974	3404.388940745631	3408.911376918485	0
242	77	56482	-211881.1413	842557.3170250766	39.18654561	-101.5466673	280045.6790715663	340567.329939554992	3371.014983395957	3403.49425354071	3403.49425354071	3406.629341725012	0
243	77	56483	-211221.1413	842557.3170250766	39.18656001571062	-101.5443398	280246.174433032	340563.788707626	3531.0984140419573	3368.64359419622	3401.828109121633	3403.49425354071	0
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246	77	56486	-209241.1413	842557.3170250766	39.186602972777396	-101.5375354	280849.45663075574	340551.645897444	3525.217404008774	3361.5100547038946	3395.537801245793	3396.335736930474	0
247	77	56487	-208581.1413	842557.3170250766	39.1866172087823	-101.535303	281050.550274009	340547.588653415	3522.46791346327	3359.121318373567	3393.53863621301	3394.6178046468	0
248	77	56488	-207921.1413	842557.3170250766	39.18663139354202	-101.5327025	281251.6436147656	340543.551588756	3518.92969051061	3356.727684059144	3391.456290164612	3391.456290164612	0
249	77	56489	-207261.1413	842557.3170250766	39.186645534241705	-101.530375	281459.3904703357	340539.504703456	3515.390264638496	3352.76292961746	3389.279578319043	3387.5047198664925	0
250	77	56490	-206601.1413	842557.3170250766	39.18665929969628	-101.5280476	281653.6297537652	340535.457797511	3511.85102259307	3351.92213204929	3387.32967745876	3387.32967745876	0
251	77	56491	-205941.1413	842557.3170250766	39.18667398788028	-101.5257112	281854.1470912	340531.4170912	3509.41829239816	3349.64229239816	3385.64716278232	3385.64716278232	0
252	77	56492	-205281.1413	842557.3170250766	39.1866876661011	-101.5233926	282056.014965374	340527.365123953	3505.241905236073	3347.091956	3382.851691851476	3384.145885050905	0
253	77	56493	-204621.1413	842557.3170250766	39.186701647489095	-101.5210651	282257.1073026678	340523.318895725	3502.0147363597284	3344.66951662064	3380.215074031701	3383.05968867515	0
254	77	56494	-203961.1413	842557.3170250766	39.18671556341294	-101.5187377	282458.199352376	340519.277697119	3498.78576795617	3342.246830705965	3376.101674771213	3364.6322779730385	0
255	77	56495	-203301.1413	842557.3170250766	39.18672943481554	-101.5164102	282659.2912732808	340515.227718531	3496.26489971104	3339.8143888935465	3372.929684738028	3367.518684374254	0
256	77	56496	-202641.1413	842557.3170250766	39.1867436	-101.5140827	282860.382970043	340511.18152783	3494.464131857577	3337.381531038479	3370.21962915552	3368.4584634323003	0
257	77	56497	-201981.1413	842557.3170250766	39.18675704146288	-101.5117525	283061.4749866129	340507.136977716	3492.635864904113	3334.845127238113	3368.361047566317	3368.361047566317	0
258	77	56498	-201321.1413	842557.3170250766	39.186771775567	-101.5094277	283262.565222104	340503.09085796	3490.8103961506	3332.50513145348	3363.67756849053	3362.732904887828	0
259	77	56499	-200661.1413	842557.3170250766	39.186784468703024	-101.5071003	283463.6566443015	340499.057139885	3488.35564762641984	3330.558470387962	3361.0278369413876	3361.0278369413876	0
260	77	56500	-200001.1413	842557.317025									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogsKrg.	BREVEBothKrg.	SatHtLogsKrg.	SatHtBothKrg.
337	75	56575	-150501.1413	842557.3170250766	39.18769345471289	-101.3302093	298745.96479598505	4304192.1427335655	3371.510774149983	3212.435442324409	3182.581321732772	3201.745807843565	38.548120591637184	19.6896344804378
338	77	56576	-149841.1413	842557.3170250766	39.18770364242709	-101.3278818	298947.0359614922	4304180.111423397	3370.558080619629	3180.8274619841984	3201.396505	3200.4448624941006	19.47035307818964	
339	77	56577	-149181.1413	842557.3170250766	39.18771386787845	-101.3256543	299148.1149527805	4304184.02030394	3369.686454514574	3220.301498497542	3179.246743702842	3200.951462780964	19.5475173207374	19.34447717489426
338	77	56578	-148521.1413	842557.3170250766	39.1877240038411	-101.3232267	299349.1897523344	4304180.04304081	3368.654811432029	3219.7933834458	3177.806156277967	3196.813992740406	19.43103266558735	21.12532862053826
339	77	56579	-147861.1413	842557.3170250766	39.18773410302689	-101.3208992	299550.2643	4304176.018657357	3368.017918	3218.1810509701822	3176.462739959607	3196.693766886893	42.71831101115502	22.48272839828762
340	77	56580	-147201.1413	842557.3170250766	39.18774415271251	-101.3185716	299751.337393113	4304171.98772507	3367.69557550435	3216.8275122907446	3175.1881565410645	3194.29175557805	43.03110557496809	24.40779674959373
341	77	56581	-146541.1413	842557.3170250766	39.187754154740956	-101.3162441	299952.4219	4304167.957556326	3367.339935976876	3218.079070824084	3173.960955350491	3193.760955350491	42.71831101115502	26.86449619895743
342	77	56582	-145881.1413	842557.3170250766	39.18776417121217	-101.313195	300153.48692786205	4304163.92371978	3367.05203142462094	3177.5360231049823	3172.7440191148758	3187.2849127074824	44.7020399562251	30.25112014
343	77	56583	-145221.1413	842557.3170250766	39.18777403026184	-101.311589	300354.5607258972	4304159.887259825	3366.718712668889	3216.958976702502	3171.5884321783936	3185.813984686826	43.03110557496809	28.18471626417036
344	77	56584	-144561.1413	842557.3170250766	39.18778397185294	-101.3093214	300555.34339216	4304156.967379940	3366.37240027551	3216.467161180226	3170.4018352871967	3184.587197185432	43.03110557496809	31.87996400259044
345	77	56585	-143901.1413	842557.3170250766	39.18779372682445	-101.3069339	300756.7074556906	4304151.837678094	3366.0266686823406	3216.4319605945386	3169.236529829305	3183.39118393276	46.705431305233105	32.55044124126284
346	77	56586	-143241.1413	842557.3170250766	39.18780350672465	-101.3046064	300957.780959434	4304147.8081572	3365.6801498096	3215.423224095989	3167.7724947063625	3181.702614211401	47.650729389626756	33.6972098845812
347	77	56587	-142581.1413	842557.3170250766	39.18781324170958	-101.3022778	301158.8539776213	4304143.781870772	3365.366822481396	3214.933040424932	3166.6262623477182	3179.782617413423	48.28762405775006	34.3472031115099
348	77	56588	-141921.1413	842557.3170250766	39.18782293173717	-101.2999513	301359.92680332	4304139.749650434	3365.0843983610933	3214.4154912411786	3165.40522736335	3178.134956175223	48.9504385048353	36.27999562365305
349	77	56589	-141261.1413	842557.3170250766	39.18783256780742	-101.2976237	301560.999427815	4304135.720657896	3364.801965240113	3213.927438695725	3164.2845095213145	3176.80458573438594	37.84288684247112	36.27999562365305
350	77	56590	-140601.1413	842557.3170250766	39.18784217692034	-101.2952962	301762.018601645	4304131.691840359	3364.51568193248	3213.448613620337	3163.0805961743936	3173.914255407342	50.36801714594412	35.1908459505231
351	77	56591	-139941.1413	842557.3170250766	39.18785123075588	-101.2929868	301963.1440978826	4304127.663219408	3364.056596373544	3212.978714549974	3162.3462899492422	3172.633902162487	48.61815057031798	41.2382123734701
352	77	56592	-139281.1413	842557.3170250766	39.18786122247202	-101.2906411	302164.2161405584	4304123.643619408	3363.530293573154	3212.5156858710943	3162.989116251296	3169.20669101259	45.526566019564725	43.3098677
353	77	56593	-138621.1413	842557.3170250766	39.1878707075474	-101.2883135	302365.2879889796	4304119.604623929	3362.964481036221	3212.0584278668234	3161.5793887170375	3166.6621239129343	50.47903914978576	45.6503938958164
354	77	56594	-137961.1413	842557.3170250766	39.18788012771806	-101.285986	302566.3596431579	4304115.57481007	3362.39958589236	3211.60573811584	3158.1464618615423	3163.9501295004146	47.6554345140156	45.6554345140156
355	77	56595	-137301.1413	842557.3170250766	39.1878895	-101.2836584	302767.4311	4304111.55	3361.861856853	3211.156863733058	3156.995595772235	3158.707715862734503	50.0797803585467	50.0797803585467
356	77	56596	-136641.1413	842557.3170250766	39.18789833452305	-101.2813209	302968.5023690076	4304107.522748206	3361.3671417936528	3210.714969197807	3155.36558017911	3158.1077089587	54.4491574676974	52.52975215990585
357	77	56597	-135981.1413	842557.3170250766	39.1879071895076	-101.279033	303169.4961189261	4304103.4961189261	3360.870292744282	3210.280927428962	3154.858585858585	3156.995595772235	56.1908459505231	56.1908459505231
358	77	56598	-135321.1413	842557.3170250766	39.18791735935652	-101.2767578	303370.64423152463	4304099.468	3360.3540963145859	3209.821631149419	3152.553271559565	3153.7550542553064	57.2683595895339	56.06558593117246
359	77	56599	-134661.1413	842557.3170250766	39.18792655485254	-101.2743482	303571.7150075505	4304095.40680047	3359.366483186909	3209.377004749432	3152.595426282995	3152.595426282995	58.58922934259365	57.2683595895339
360	77	56600	-134001.1413	842557.3170250766	39.1879355039091	-101.2720206	303772.78550057043	4304091.413585042	3358.7489458196	3208.930710381796	3150.206384255122	3151.5363595433764	58.7243155626372	57.9417083399393
361	77	56601	-133341.1413	842557.3170250766	39.187944810971736	-101.2696931	303973.8586077323	4304087.366740548	3358.424363959846	3208.480178115035	3148.6222503202093	3150.37120380105	59.826012941574	58.11181401
362	77	56602	-132681.1413	842557.3170250766	39.18795387159499	-101.2673655	304174.925908373	4304083.360774555	3354.9518936825924	3208.0316904347196	3147.02434303306	3149.0753485117084	60.89984650414348	58.956341917601504
363	77	56603	-132021.1413	842557.3170250766	39.18796367260687	-101.265058	304378.9695283716	4304079.338705959	3353.680726029716	3207.5730818105528	3146.479711248885	3147.02434303306	62.9385629607775	59.8924937690373
364	77	56604	-131361.1413	842557.3170250766	39.18797378766874	-101.2627104	304577.9673655	4304075.3077965	3353.4047307994	3207.048419840457	3145.8249042415125	3146.2249042415125	64.2249042415125	60.89984650414348
365	77	56605	-130701.1413	842557.3170250766	39.18798396	-101.2603829	304778.1350775851	4304071.281	3348.566014261934	3206.61428746204	3143.3847588	3147.4398642429767	63.7634933130099	61.8742910182409
366	77	56606	-130041.1413	842557.3170250766	39.1879936541201	-101.2580553	304979.2044	4304067.255195461	3346.305985924657	3206.1042713250445	3141.3480102580997	3143.248000645531	64.7646106984473	62.85627079519327
367	77	56607	-129381.1413	842557.3170250766	39.1879985034718	-101.2557277	305180.7356445254	4304063.22941827	3344.019909	3205.56735799736	3140.404288494896	3141.782276983961	65.523095028396	63.78508101407876
368	77	56608	-128721.1413	842557.3170250766	39.18800721224667	-101.2534002	305381.342520701	4304059.203826727	3341.707735655372	3204.9980474587718	3138.7478248515054	3140.74282593746214	66.45912260727251	64.6579308415644
369	77	56609	-128061.1413	842557.3170250766	39.18801693144457	-101.2510726	305582.1412851367	4304055.78	3338.59688441136	3204.384786162284	3137.487998823744	3137.487998823744	68.9867829995958	65.45382716770927
370	77	56610	-127401.1413	842557.3170250766	39.1880274110662	-101.2487451	305789.3584989424	4304051.15317971	3337.083332757529	3203.720947289896	3136.47822645638	3136.47822645638	70.1514309272229	66.1908459505231
371	77	56611	-126741.1413	842557.3170250766	39.18803339	-101.2464175	305984.5842430664	4304047.128111973	3334.805425169037	3202.99463713482	3134.84001120814263	3136.4054532702499	65.6546163225292	66.94892681082636
372	77	56612	-126081.1413	842557.3170250766	39.18804200515767	-101.2440899	306165.81643611477	4304033.03203581	3332.502605818578	3202.192970384524	3135.413464931844	3134.7757465324	66.7795243138979	67.45120537135011
373	77	56613	-125421.1413	842557.3170250766	39.18805057124658	-101.2417624	306366.6844385104	4304030.078527606	3330.31639635197	3201.3073299329331	3133.966534	3133.966534	67.3371899269002	67.3398873
374	77	56614	-124761.1413	842557.3170250766	39.1880590238194	-101.2394348	306587.7582989424	4304030.05401039	3328.071966644814	3200.34122901863	3132.535829631554	3132.535829631554	67.7782932703805	67.7800941155973
375	77	56615	-124101.1413	842557.3170250766	39.18806756855528	-101.2371073	306788.78199731916	4304031.02965484	3326.07399971744	3199.2314045747315	3131.1255309533131	3131.1255309533131	68.9678321600736	67.7800941155973
376	77	56616	-123441.1413	842557.3170250766	39.18807599770824	-101.2347797	306989.884	4304027.005487102	3322.18850291137	3200.972788727768	3129.54852510817	3131.1255309533131	69.8248769594794	68.9678321600736
377	77	56617	-122781.1413	842557.3170250766	39.18808439709094	-101.2324897	307190.9090909091	4304023.0090909091	3320.987325829523	3200.4687325829523	3128.972543096867	3128.972543096867	70.1514309272229	69.8248769594794
378	77	56618	-122121.1413	842557.3170250766	39.18809277323843	-101.2302146	307392.012706726	4304019.85767055	3315.848015735473	3195.193370781023	3128.848979195692	3128.848979195692	71.2605929053807	68.9678321600736
379	77	56619	-121461.1413	842557.3170250766	39.1881010236									

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
461	77	56701	-6734.14133	842557.3170250766	39.18862833	-101.0369351	324079.9475902492	3139865.602411225	3186.185165143507	3113.432078706683	2972.15755888989354	2967.915358106346	45.51672005439224
462	77	56702	-6686.14133	842557.3170250766	39.18864355653835	-101.0340075	324280.9994714109	3139681.535535377	3184.9717674	3101.289925485097	2975.961066346575	2967.742475883802	45.53474250797903
463	77	56703	-6631.14133	842557.3170250766	39.18861370547277	-101.0322798	324462.8511806465	3139673.584878163	3183.854511029417	3099.188529123881	2984.4254933984836	2972.74674708683114	45.591737384545474
464	77	56704	-6569.14133	842557.3170250766	39.18864189032577	-101.0299623	324710.1727161375	3139651.576557134	3183.058511299643	3007.13014299949	2995.819432776945	2996.1486242660503	45.61170171274719
465	77	56705	-6470.14133	842557.3170250766	39.18864632026792	-101.0276247	324884.1540841677	3139669.568059472	3182.18164868814	3005.107343120234	2991.678356419083	2972.819102019795	45.63188667011506
466	77	56706	-6404.14133	842557.3170250766	39.18865042522664	-101.0252591	325085.2052785505	3139651.595090848	3181.304131358745	2979.950769196853	2973.19203237168	2973.19203237168	45.6502793996646
467	77	56707	-6338.14133	842557.3170250766	39.18865445226561	-101.0229695	325286.256302409	3139651.551442033	3180.1861317994545	3001.18803555124255	2969.0882152741556	2969.0882152741556	45.67254429004393
468	77	56708	-6272.14133	842557.3170250766	39.1886594025474	-101.0206419	325487.3071571235	3139661.544153014	3178.825829414577	2999.283347590141	2969.125990428054	2969.125990428054	45.693110326217
469	77	56709	-6205.14133	842557.3170250766	39.18866339054964	-101.0181143	325689.3578	3139673.5368141073	3177.46559883144	2997.414601234615	2969.823140810103	2969.823140810103	45.71461085122562
470	77	56710	-6140.14133	842557.3170250766	39.18867765472576	-101.0158967	325889.405846692	3139648.529106774	3176.10522244077	2995.8050653472	2941.910813391754	2941.910813391754	45.7369927030277
471	77	56711	-6071.14133	842557.3170250766	39.18867915563674	-101.0136591	326090.5886981263	3139645.521107325	3174.871071732295	2993.780140515194	2940.732911884274	2940.732911884274	45.7593260349944
472	77	56712	-6008.14133	842557.3170250766	39.18867670461964	-101.0113315	326291.5086090395	3139641.514771062	3173.6014041299536	2992.01403613486	2936.958123526464	2942.944441242994	45.78009078083946
473	77	56713	-5942.14133	842557.3170250766	39.18868041108825	-101.009039	326482.588621873	3139637.507869636	3172.375308641953	2990.2847505360383	2933.426872425196	2933.426872425196	45.8069631192215
474	77	56714	-5876.14133	842557.3170250766	39.18868416375557	-101.006673	326693.6087	3139633.5011458155	3171.1690524001272	2988.5842601073628	2930.097751739862	2942.254049023014	45.8685687500846
475	77	56715	-5801.14133	842557.3170250766	39.18868146710395	-101.0043487	326894.4555555694	3139629.494599599	3168.317994924296	2988.613566407396	2926.548649708199	2941.819925607817	45.89671669915729
476	77	56716	-5741.14133	842557.3170250766	39.18869203073324	-101.002011	327095.7078	3139625.498	3168.819838517803	2985.284136587439	2923.622323794045	2923.622323794045	45.91760379334865
477	77	56717	-5678.14133	842557.3170250766	39.18869597248374	-100.999635	327296.7572	3139621.482039927	3164.332867392897	2982.8812432484153	2920.98735806193	2927.057367793925	45.932685188
478	77	56718	-5612.14133	842557.3170250766	39.18869891793516	-100.9973595	327497.80632742704	3139617.47626457	3161.8311559	2982.109068148942	2919.706584452763	2920.712327440735	45.94622097306545
479	77	56719	-5546.14133	842557.3170250766	39.18870362	-100.9950383	327688.8553137068	3139610.47190555	3159.583025112857	2980.5683591076904	2916.9716135244683	2926.592524704135	45.9589156822215
480	77	56720	-5480.14133	842557.3170250766	39.18870173396103	-100.9927107	327899.9041315421	3139609.443522105	3157.80918927447	2979.06083039614	2915.31635599798	2923.333988158	45.9744071400173626
481	77	56721	-5414.14133	842557.3170250766	39.18871108453546	-100.990381	328100.95278113795	3139605.495091419	3155.57712424389	2977.5871360918186	2913.6104699405033	2928.719018731616	45.97648997353333
482	77	56722	-5348.14133	842557.3170250766	39.188714015089	-100.9880555	328302.0013	3139601.45748169	3153.7172745356696	2976.19495177945	2912.927954591195	2927.43236550417	45.982092596944
483	77	56723	-5282.14133	842557.3170250766	39.18871837087266	-100.985778	328503.394522335	3139597.3481199316	3151.54207247417	2974.74884471781	2912.46843277632	2928.43443277632	45.984843277632
484	77	56724	-5216.14133	842557.3170250766	39.1887219455045	-100.9834002	328704.9707225319	3139593.434742645	3148.49978320523	2973.38762850976	2908.659304518937	2914.0133686896	45.98633021620396
485	77	56725	-5150.14133	842557.3170250766	39.18872547242976	-100.9810726	328905.14570121426	3139589.438039352	3145.784472801062	2972.069142222233	2907.349744649842	2912.5020274873853	45.97193957527805
486	77	56726	-5084.14133	842557.3170250766	39.18872896320222	-100.978745	329106.1935126811	3139585.43410428	3143.06914983365	2970.3124036542	2906.246222794583	2903.598669764626	45.94549976
487	77	56727	-5018.14133	842557.3170250766	39.18873240384252	-100.9764174	329307.241157113395	3139581.429894769	3142.0775991451	2969.563016091316	2905.3938016091316	2903.383450771715	45.9659457036015
488	77	56728	-4952.14133	842557.3170250766	39.18873579970373	-100.9740898	329508.2886347798	3139577.426	3141.00871758899	2968.374131283615	2904.14867462748	2904.8840033683993	45.97225561636536
489	77	56729	-4886.14133	842557.3170250766	39.1887391506584	-100.971822	329719.33954522335	3139573.4281199316	3139.54207247417	2968.374131283615	2904.14867462748	2904.8840033683993	45.97225561636536
490	77	56730	-4820.14133	842557.3170250766	39.18874245648916	-100.969436	329910.389047057	3139569.477172171	3137.12511628677	2967.24444	2903.1264454206514	2903.1264454206514	45.97225561636536
491	77	56731	-4754.14133	842557.3170250766	39.18874572	-100.967107	33011.4300689241	3139565.4100689241	3128.21154544152	2965.087591754486	2899.658058200916	2917.756173328311	45.9731535535697
492	77	56732	-4688.14133	842557.3170250766	39.1887488335782	-100.9647794	330312.4768813876	3139561.47478925	3124.159328394186	2964.039816904826	2898.070293189065	2916.0326723175615	45.97261493
493	77	56733	-4622.14133	842557.3170250766	39.18875210462365	-100.9624518	330513.5235	3139557.407127867	3120.096202346595	2963.042481545186	2896.521195489746	2916.785396164038	45.9825289544253
494	77	56734	-4556.14133	842557.3170250766	39.18875523	-100.9601242	330714.570091701	3139553.403945485	3116.036217629507	2962.0742819198663	2894.170051485453	2886.6743461743613	45.99042304436716
495	77	56735	-4490.14133	842557.3170250766	39.18875811878028	-100.957796	330915.615249776	3139549.08068535	3111.99739946506	2961.13269958076	2891.564075025862	2890.584544716851	45.9988237899362
496	77	56736	-4424.14133	842557.3170250766	39.18876134809584	-100.955449	331116.624754544	3139547.30814013	3107.9259	2960.21442876651	2889.438124715733	2889.438124715733	45.9781214437308
497	77	56737	-4358.14133	842557.3170250766	39.18876432925959	-100.9531414	331317.7084610483	3139541.35498193	3104.94779701794	2959.3171107096646	2888.791499134511	2888.791499134511	45.9781214437308
498	77	56738	-4292.14133	842557.3170250766	39.18876725556268	-100.9508137	331518.7542816798	3139537.39035218	3099.929279237383	2958.43879352554	2883.1533470315667	2881.1176255142	45.9781214437308
499	77	56739	-4226.14133	842557.3170250766	39.188770168877505	-100.9484861	331719.7996381572	3139533.39074893	3086.8565260018	2957.578215881412	2880.7406510566677	2876.8207389722906	45.9781214437308
500	77	56740	-4160.14133	842557.3170250766	39.18877304322956	-100.9461585	331920.854430038	3139529.38604038	3094.748367065327	2956.7330887102375	2878.6464791529756	2878.6464791529756	45.9781214437308
501	77	56741	-4094.14133	842557.3170250766	39.18877585	-100.9438309	332121.8907578591	3139525.36870828	3092.64021324142	2955.90306316544	2877.270537598246	2874.959870502896	45.9781214437308
502	77	56742	-4028.14133	842557.3170250766	39.18877862105476	-100.9413043	332322.5360216367	3139521.348462405	3085.2052995965	2955.008828086824	2877.308438181265	2877.308438181265	45.9781214437308
503	77	56743	-3962.14133	842557.3170250766	39.18878126341857	-100.9389181	332523.2475502756	3139517.3291199316	3083.721915271	2954.9498811478	2876.70083093493	2876.70083093493	45.9781214437308
504	77	56744	-3896.14133	842557.3170250766	39.18878401907816	-100.9364811	332725.0258583074	3139513.381970243	3080.1697458901726	2953.497534582189	2875.54854172601	2875.54854172601	45.9781214437308
505	77	56745	-3830.14133	842557.3170250766	39.1887866600641	-100.9345205	332926.0705315467	3139509.38075193	3083.96424356075	2952.715902	2877.01131865203	2876.3874801965	45.9781214437308
506	77	56746	-3764.14133	842557.3170250766	39.1887892370132	-100.9321929	333127.115041664	3139505.37970486	3081.7587623997	2951.9440140979303	2874.77693120899	2874.77693120899	45.9781214437308
507	77	56747	-3698.14133	842557.3170250766	39.18879177839638	-100.9298653	333328.1598886453	3139501.37842117	3080.160666	2951.18729456838	2871.9173965070204	2871.9173965070204	45.9781214437308
508	77	56748	-3632.14133	842557.3170250766	39.18879475182324	-100.927377	333529.2033734866	3139497.18150278	3079.16995177683	2950.4289532594394	2870.44393513518	2869.425135592916	45.9781214437308
509	77	56749	-3566.14133	842557.3170250766	39.188797673								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgs.f.t	BR/ElevBothKgs.f.t	SatThkKgs.f.t	SatThkBoth.f.t
587	756827	15818.85867303351	842557.3170250766	-98.18884944192191	-100.7436562	494141.19753420865	4393181.883277841	2946.272304	270.0377844317216	2821.2489273996605	2827.434875	48.78875674406175	42.599308769711654
588	756828	16474.8586730335	842557.3170250766	-98.18884834185889	-100.7413296	4968.2154622264615	439177.896744454	2945.880454603393	2968.540539537404	2816.717570975653	2815.22686561551534	45.242576383062361	40.75488252546758
589	756829	17158.8586730335	842557.3170250766	-98.188847196862116	-100.739001	5351.0194481975481	439149.8657638195	2945.4848765367161	2987.204546858908	2810.25584633296	2820.164834603296	54.44852692545478	46.38671765838987
590	756830	17798.8586730335	842557.3170250766	-98.18884605056055	-100.7366734	5500.142968735135	439169.94212278	2945.107526	2965.43075755532	2808.87520973034	2816.329247642486	65.5250467591526	49.10112798826867
591	756831	18458.8586730335	842557.3170250766	-98.1888447911575	-100.7343458	5502.153240800426	439165.93211164	2944.0886844183003	2968.4581499062796	2805.40657	2811.5681717223806	64.1192936032396	52.25032732838997
592	756832	19118.8586730335	842557.3170250766	-98.1888443021616	-100.7320182	5504.163552717477	439163.5527386609	2943.431713835393	2862.1698157101084	2802.642387440475	2809.527495497526	59.5247272606098	52.6420656203588
593	756833	19778.8586730335	842557.3170250766	-98.18884216715733	-100.7299695	5506.173864290303	439157.96738894	2940.781549714563	2860.48591471563	2799.683582127116	2803.10198097567	60.8002903444656	57.385393739743
594	756834	20438.8586730335	842557.3170250766	-98.18884073932925	-100.7273629	5508.1814738571867	439153.91267377	2938.126537318656	2866.76423251107	2797.133635604132	2799.694869680963	61.4357866909393	59.07335023010885
595	756835	21098.8586730335	842557.3170250766	-98.1888395616866	-100.7258353	5510.194481975481	439149.8657638195	2938.6530823213743	2857.017214667063	2794.9105741068783	2796.710486708934	62.10684505537807	60.8002903444656
596	756836	21758.8586730335	842557.3170250766	-98.1888379225255	-100.7227707	5512.074749864216	439140.10584511	2942.385022071252	2855.237683549808	2797.35652242224	2793.86525650654	62.810513503733	61.3720210800903
597	756837	22418.8586730335	842557.3170250766	-98.1888361812939	-100.7203801	5514.2150938722235	439142.025912346	2945.065092211293	2853.4311507429934	2789.969504930591	2790.864037691265	63.16457490258	62.5670883776895
598	756838	23078.8586730335	842557.3170250766	-98.1888346847425	-100.7180525	5516.22359575526	439138.0141743	2947.828879710075	2851.5997791252485	2786.788189269313	2791.69016450514	64.115898558527	64.50061429623457
599	756839	23738.8586730335	842557.3170250766	-98.1888327385989	-100.7157249	5518.235699973656	439134.05659499	2946.07520575783	2849.745725676374	2781.440256133947	2781.5866903593665	68.0549654242076	68.0549654242076
600	756840	24398.8586730335	842557.3170250766	-98.18883163426295	-100.7133973	5520.2460009509	439130.071271607	2939.837873879831	2847.81015757301	2776.084789596846	2776.096392399486	71.78631780045453	71.7724651732531
601	756841	25058.8586730335	842557.3170250766	-98.18882994975345	-100.7110966	5522.250306030701	439126.08791251	2938.957880533144	2845.978808533144	2771.5021779958574	2771.462513891027	74.5154741828732	74.5154741828732
602	756842	25718.8586730335	842557.3170250766	-98.1888282025135	-100.708742	5524.2659839641	439122.103853428	2927.3685801251654	2844.07286704578	2767.4523440275216	2767.473025802099	76.82032031705444	76.59894124047694
603	756843	26378.8586730335	842557.3170250766	-98.1888264581002	-100.7064144	5526.276894975574	439118.119971125	2926.563564565455	2842.1599193589173	2763.830246809483	2763.928821139275	78.32936948	78.32108211642626
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605	756845	27698.8586730335	842557.3170250766	-98.18882276820697	-100.7017592	5530.297489305348	439110.152736055	2926.1966006017926	2838.3148900383458	2756.234818	2756.2783216162703	80.8007118851055	80.0365742307541
606	756846	28358.8586730335	842557.3170250766	-98.18882086270067	-100.6994316	5532.307762183186	439106.1639832725	2926.974185772936	2836.381953724613	2751.83483666238	2751.626762766238	82.44771102837494	84.7518744775354
607	756847	29018.8586730335	842557.3170250766	-98.1888188941241	-100.697104	5534.301807106751	439102.18620978	2926.540114981515	2834.42208019298	2748.36138281065	2748.68223619286	85.9059419173033	86.3738567881214
608	756848	29678.8586730335	842557.3170250766	-98.1888169	-100.6947764	5536.32355672675	439098.20307159	2924.8948261428053	2832.496534298168	2745.905044106525	2745.350910705198	86.9750132379157	87.1450427239684
609	756849	30338.8586730335	842557.3170250766	-98.18881515349883	-100.6924818	5538.346128081841	439094.23083182	2923.96354178894	2830.54681787894	2743.978172345454	2742.873812822791	87.871304110325	88.787304110325
610	756850	30998.8586730335	842557.3170250766	-98.188813765792456	-100.6901211	5540.3483918245014	439090.23736925	2922.610240211167	2828.593910554176	2740.876108757995	2740.1389557849607	87.7170187367658	88.45454740821542
611	756851	31658.8586730335	842557.3170250766	-98.188811636738	-100.6877935	5542.352916545882	439086.25266496	2917.857389187337	2826.641411806226	2738.407299142461	2737.779827	88.234115831369	88.8431442921167
612	756852	32318.8586730335	842557.3170250766	-98.1888085258312	-100.6854569	5544.365050227704	439082.279752152	2912.013004214768	2824.69405827777	2735.80376025731	2735.626704401814	88.8861380204593	89.06883143
613	756853	32978.8586730335	842557.3170250766	-98.1888062853964	-100.6831383	5546.378379783	439078.29054862	2910.68445457067	2822.718986740573	2733.631938021793	2737.52140085567	89.1299686258462	85.2404921861055
614	756854	33638.8586730335	842557.3170250766	-98.1888039593697	-100.6808107	5548.39306310232	439074.3901	2910.323884872658	2820.839785221634	2734.983595977405	2734.983595977405	89.58618925	80.2377327
615	756855	34298.8586730335	842557.3170250766	-98.188801764557512	-100.6784819	5550.42681759204	439070.42971897	2908.9633561454943	2818.932614314526	2734.981146781421	2734.981146781421	89.62639681519999	72.6876881519999
616	756856	34958.8586730335	842557.3170250766	-98.1888000564074	-100.6761514	5552.452615374	439066.45560483	2908.086595320148	2817.0170310090534	2733.97390794784	2734.732905931303	81.90699140122024	71.72776305
617	756857	35618.8586730335	842557.3170250766	-98.1887968827386	-100.6738279	5554.42089890927	439062.36414851	2895.213068200277	2815.102280321753	2735.3142171621	2742.8507550948627	79.7880531454529	72.25020452270701
618	756858	36278.8586730335	842557.3170250766	-98.1887944330445	-100.6715003	5556.431734443496	439058.38291341	2894.33386284939	2813.197543275303	2735.384340763894	2742.977360113462	77.8130251	70.2201831600496
619	756859	36938.8586730335	842557.3170250766	-98.18879190135886	-100.6691726	5558.44471497776	439054.40185435	2894.266462950055	2811.293604438614	2735.10995205619	2741.173645048875	76.1876092399487	70.11995938975633
620	756860	37598.8586730335	842557.3170250766	-98.18878940137816	-100.666845	5560.451719953244	439050.42991598	2886.2610610583265	2809.3609447598535	2734.4176184794933	2739.557193532275	74.9703206230823	69.934352262601
621	756861	38258.8586730335	842557.3170250766	-98.18878681766125	-100.664524	5562.468171127904	439046.40465222	2887.83052258476	2807.490679925636	2733.361707907537	2735.055220047689	74.1845007249558	70.4349588
622	756862	38918.8586730335	842557.3170250766	-98.18878419	-100.662198	5564.4722687841	439042.45375207	2886.96354178894	2805.5647327898	2731.811413348016	2734.981146781421	71.45100438016	71.45100438016
623	756863	39578.8586730335	842557.3170250766	-98.18878151534988	-100.6598775	5566.482625292573	439038.479	2886.1056195048	2803.70710110323	2730.151472586737	2731.506714306353	72.5562342426595	72.200927069862
624	756864	40238.8586730335	842557.3170250766	-98.1887796755656	-100.6575346	5568.4927632477	439034.49024217	2889.4773464138	2801.829183921747	2728.60276262675	2729.294843134075	72.2200976587515	72.5343047676759
625	756865	40898.8586730335	842557.3170250766	-98.18877630202146	-100.655207	5570.506381828636	439030.519202205	2888.930399601726	2799.963039601726	2727.613383197996	2728.12002754727	72.2200976587515	71.8403122059162
626	756866	41558.8586730335	842557.3170250766	-98.188773246894	-100.6528794	5572.51326043574	439026.533878554	2888.5100835340572	2798.101112779834	2727.182546720731	2727.517164	70.185645274096	70.5839476276237
627	756867	42218.8586730335	842557.3170250766	-98.18877037121777	-100.6505818	5574.52388876652	439022.55979105	2888.0571	2796.251667129128	2727.0053129467906	2727.0053129467906	69.2465814	69.2027688
628	756868	42878.8586730335	842557.3170250766	-98.18876747279867	-100.648224	5576.537853516136	439018.56028142	2887.634919841404	2794.411974544299	2726.83380820746	2726.83380820746	67.548504754594	67.48601124
629	756869	43538.8586730335	842557.3170250766	-98.18876492914016	-100.645918	5578.549291969884	439014.5905891	2886.7263161454943	2793.484558307148	2726.83380820746	2726.83380820746	65.331191659472	65.331191659472
630	756870	44198.8586730335	842557.3170250766	-98.1887615140626	-100.643569	5580.554703069832	439010.62180406	2886.790053620497	2790.763916030478	2725.100971161466	2725.80326934627	64.622189141374	65.333809389422
631	756871	44858.8586730335	842557.3170250766	-98.18875850738015	-100.6412413	5582.562646738243	439006.642897761	2886.531468299204	2788.9570519563613	2723.57510641616	2723.57510641616	65.38194554	65.480896068

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogsKrg.	BRIEVEBothKrg.	SurfBothKrg.	
713	77	56953	98978.85867307335	8425257.3170250766	-0.188356781319925	-0.40503784	374740.124203331	4338689.989693794	2744.824637141174	2636.278530869997	2639.3155856993512	27.23984218343604	27.2398783108196
714	77	56954	98968.85867307335	8425257.3170250766	-0.188350016433674	-0.44808509	374941.13952546847	433677.004250997	2665.23872024044	2638.2527608479527	2638.1386652474016	26.966021354091463	27.09916958463683
715	77	56955	10458.85867307335	8425257.3170250766	-0.18834326948909	-0.4457233	375142.1541662384	433943.940093173	2743.114540714534	2636.9328959997	2637.785632695104	26.785643696541744	26.785643696541744
716	77	56956	100958.85867307335	8425257.3170250766	-0.18835637178275	-0.4433957	375341.100577555	433677.006000021	2738.07126679049	2662.63015734506	2636.5013208942965	26.360950350425	26.122774
717	77	56957	101618.85867307335	8425257.3170250766	-0.18832945021506	-0.4414081	375544.183721434	433665.112237304	2733.02803274204	2661.345562740833	2635.5702846812474	26.354931831358735	25.752711592835907
718	77	56958	10218.85867307335	8425257.3170250766	-0.18832250730198	-0.4381405	375745.19826398	433661.147733704	2727.98477355584	2660.096805920677	2633.8493670157964	26.210313576217346	26.491516908706
719	77	56959	10239.85867307335	8425257.3170250766	-0.18831552	-0.4364313	375946.212697701	433671.185167854	2727.20090536264	2658.7766703252157	2631.381075	26.315537350406987	27.3959582580579
720	77	56960	10358.85867307335	8425257.3170250766	-0.18830842986804	-0.434364	376174.227007221	433653.211878115	2730.700893	2657.4950411749246	2628.6015660228	26.27837747400381	28.898759025664
721	77	56961	10458.85867307335	8425257.3170250766	-0.18830146338983	-0.4317578	376348.2411966623	433643.009548765	2734.1927006969	2656.0248010115163	2626.977085952104	26.188513389238652	26.13571691228440
722	77	56962	10418.85867307335	8425257.3170250766	-0.188294278841205	-0.4294302	376549.2525575815	433645.25525703	2737.88457396322	2654.931404094916	2624.359521430743	26.22373790898097	30.593160114081902
723	77	56963	105578.85867307335	8425257.3170250766	-0.18828710933039	-0.4271028	376750.2692197823	433641.33071764	2738.028873834665	2653.464682883078	2624.2090178842362	26.24276648624934	29.19478502676404
724	77	56964	106238.85867307335	8425257.3170250766	-0.1882798454318	-0.4247751	376951.28035348346	433637.370473969	2735.225699	2652.59984690067	2625.54043001204	26.25784095134243	26.491490175630424
725	77	56965	106898.85867307335	8425257.3170250766	-0.18827263544137	-0.4224475	377152.766788861	433633.408061437	2732.22549203238	2651.072984030593	2627.24417940358	26.27532633145676	23.82804605911436
726	77	56966	107558.85867307335	8425257.3170250766	-0.1882653104877	-0.4201199	377353.31036139	433629.45824347	2729.61930463266	2649.786336431212	2627.699629817454	26.28719273594616	22.08940095946673
727	77	56967	108218.85867307335	8425257.3170250766	-0.188257981705206	-0.4177923	377554.3235445425	433625.483726862	2724.693932	2648.99819690324	2626.226181656343	26.28242396	22.73438034589162
728	77	56968	10898.85867307335	8425257.3170250766	-0.18825058740366	-0.4154648	377753.3302714896	433621.521676701	2717.54564832698	2647.2124114560324	2623.704672983074	26.264191471716007	22.7928730712536
729	77	56969	109538.85867307335	8425257.3170250766	-0.18824314814382	-0.4131372	377954.35064510464	433617.56	2710.433098	2645.9244674609304	2620.879088679088	26.21763916075988	24.264075837894961
730	77	56970	11018.85867307335	8425257.3170250766	-0.1882365325652	-0.4101936	378157.3637816146	433613.598630504	2703.31615529275	2644.63537398683	2618.6419553222186	26.1914703	25.9035166
731	77	56971	110858.85867307335	8425257.3170250766	-0.18822813474949	-0.408482	378358.376879273	433609.637270625	2699.63036675088	2643.345567	2616.09368195981	26.1793434251479	26.26196598219053
732	77	56972	111518.85867307335	8425257.3170250766	-0.188215060615264	-0.4061455	378559.384088067	433605.67060034	2697.27696745596	2642.033453176905	2613.9858497305935	26.161941841895145	26.07467402274985
733	77	56973	11218.85867307335	8425257.3170250766	-0.18821294512927	-0.4043693	378760.4025700324	433601.75108615	2690.15301682031	2640.751678821151	2611.741893263541	26.14934482759226	29.00975800189524
734	77	56974	11238.85867307335	8425257.3170250766	-0.188205217472576	-0.4024989	378941.41496171	433597.75422485	2698.85704895033	2639.4309760339587	2610.703621194739	26.1392751990578123	27.329907448518
735	77	56975	11348.85867307335	8425257.3170250766	-0.18819812684413	-0.4006243	379142.4586196243	433593.940093173	2698.0299548765	2638.168411569788	2610.164102389032	26.12989869398962	27.284358141108
736	77	56976	114158.85867307335	8425257.3170250766	-0.188189814467676	-0.3984642	379363.43987542	433589.83101284	2698.651059578157	2636.784102192761	2608.7567153302045	26.0875571051493930	27.02736857736474
737	77	56977	114818.85867307335	8425257.3170250766	-0.18818201557314	-0.3954166	379564.4521490052	433585.872793449	2697.21232950127	2635.441132852477	2602.974826578088	26.0641519754868130	26.08815736535167
738	77	56978	115458.85867307335	8425257.3170250766	-0.18817417169602	-0.392149	379756.4643940396	433581.912660204	2700.90441742701	2634.087381307836	2598.0011513925956	26.0614247	32.3575104783367
739	77	56979	116138.85867307335	8425257.3170250766	-0.18816628	-0.3898615	379964.4764752991	433577.955723571	2695.87689162473	2632.74586466626	2594.7484919052568	25.988748972189625	33.97561024766355
740	77	56980	116798.85867307335	8425257.3170250766	-0.1881583490519	-0.3875338	380167.4884404335	433573.992921865	2696.300343714582	2631.3520789595415	2596.3732409594872	25.977213337131	34.9788376391426
1	78	56981	117698.85867307335	8425257.3170250766	-0.1881503624413	-0.3852785	380376.50660772448	433569.020000000	2697.30852714617	2630.029811609763	2595.47462809763	26.191008222390324	35.95851038144313
2	78	56982	117028.85867307335	8425257.3170250766	-0.188142357397604	-0.3830518	380576.50958182	433567.348926303	2698.34972161936	2629.34972161936	2594.7484919052568	25.988748972189625	33.97561024766355
3	78	56983	116962.85867307335	8425257.3170250766	-0.188134671767327	-0.38102314	380760.518054724	433563.7541381	2695.05489418915	2627.91590843024	2593.48032127609	27.378230991015335	65.4523781543271
4	78	56984	116861.85867307335	8425257.3170250766	-0.1881260277811632	-0.3791631	380967.5613609	433559.613609	2694.2574482221954	2626.379086962933	2592.50380263191	26.784866604134	68.57260256627038
5	78	56985	116801.85867307335	8425257.3170250766	-0.188118370538315	-0.3772313	381173.570510232	433555.2610232	2694.005991526274	2624.8413297534593	2591.850962766585	25.975215114124024	69.0381834103888
6	78	56986	116741.85867307335	8425257.3170250766	-0.18811009981728	-0.3753284	381364.369161832	433551.742940578	2693.337952535234	2623.7731411140413	2591.850962766585	25.975215114124024	70.4404428904408
7	78	56987	116681.85867307335	8425257.3170250766	-0.188102311930412	-0.3735285	381573.56793371215	433547.593317215	2692.55942559875	2622.113431313274	2591.772048368816	27.7186567296106	71.39273745807121
8	78	56988	116601.85867307335	8425257.3170250766	-0.18809467263007	-0.371721	381783.56793371215	433543.793309704	2691.814531761936	2621.55942559875	2591.772048368816	27.7186567296106	72.349358141108
9	78	56989	116561.85867307335	8425257.3170250766	-0.18808698	-0.3698828	381987.8186333537	433539.2123411	2690.21118688272	2620.241898235951	2590.7524332790492	27.67637817626813	72.6038673981918
10	78	56990	116501.85867307335	8425257.3170250766	-0.18807990808058	-0.3680648	3821338.9690031507	433535.121212906	2690.037269581247	2620.037269581247	2590.7524332790492	27.67637817626813	72.6038673981918
11	78	56991	116431.85867307335	8425257.3170250766	-0.188071477778	-0.366284136	382391.19107267	433531.709320607	2689.32769581999	2618.35224622178	2590.7524332790492	27.67637817626813	72.6038673981918
12	78	56992	116361.85867307335	8425257.3170250766	-0.188063861	-0.3645913	382591.2689776184	433527.704322301	2688.59148433894	2617.12544164507	2590.7524332790492	27.67637817626813	72.6038673981918
13	78	56993	116301.85867307335	8425257.3170250766	-0.18805582923296	-0.3627969	382791.3895572184	433523.704322301	2687.748133221762	2616.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
14	78	56994	116241.85867307335	8425257.3170250766	-0.1880477318446	-0.3610073	382991.56793371215	433519.373309704	2686.914531761936	2615.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
15	78	56995	116181.85867307335	8425257.3170250766	-0.18803947263007	-0.3592785	383178.56793371215	433515.793309704	2686.029811609763	2614.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
16	78	56996	116121.85867307335	8425257.3170250766	-0.1880312632	-0.3575285	383364.369161832	433511.742940578	2685.13431313274	2613.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
17	78	56997	116061.85867307335	8425257.3170250766	-0.18802311930412	-0.3557285	383551.742940578	433507.793309704	2684.241898235951	2612.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
18	78	56998	116001.85867307335	8425257.3170250766	-0.1880147778	-0.3539213	383741.41496171	433503.940093173	2683.34972161936	2611.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
19	78	56999	115941.85867307335	8425257.3170250766	-0.18800647263007	-0.3521313	383931.56793371215	433500.2123411	2682.4531761936	2610.0380263191	2590.7524332790492	27.67637817626813	72.6038673981918
20	78	57000	115881.85867307335	8425257.3170250766	-0.18800000000000	-0.3503313	384121.5						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevKgr.f	BRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
98	78	57079	-306261.1413	843217.3170250766	39.18583462160989	-101.879511	251290.3172495697	434349.818018979	3788.8606731951045	3698.526017701451	3639.1954018738493	3662.14411982500314	39.15601582760183	36.38189154114969
100	78	57080	-305601.1413	843217.3170250766	39.185855460085216	-101.877137	251481.44453769175	434345.74067258	3786.1403394643363	3695.56879489199	3639.5991454578989	3661.5243333617186	35.56961491021184	34.044446127481024
101	78	57081	-304841.1413	843217.3170250766	39.18587625940481	-101.876823	251692.5717896711	434341.670382111	3783.420114086296	3692.346018003435	3640.1346034503052	3621.424965206345	31.23814016502734	31.23814016502734
102	78	57082	-304281.1413	843217.3170250766	39.18589700434196	-101.8752289	251893.6986758197	434337.55676562	3780.69934543399	3693.532430022495	3639.63695957761	3661.19324982904	49.89564740411885	28.33000011400575
103	78	57083	-303621.1413	843217.3170250766	39.18591770686321	-101.8720216	252094.8253262637	434333.52375374	3757.87787466658	3680.0262389203135	3677.72265340438	3657.3679147195463	48.77983739964556	29.13426472750544
104	78	57084	-302961.1413	843217.3170250766	39.18593836807299	-101.8678472	252295.9517312358	434329.450166446	3754.92349040878	3683.4837009240878	3634.8407030594457	3643.0472122853104	48.44036005644208	40.44036005644208
105	78	57085	-302301.1413	843217.3170250766	39.18595888251126	-101.8655468	252497.0778903937	434325.373713723	3752.0300852708233	3680.486326416615	3632.26713017464	3641.1358914075055	48.3192339915121	39.3504336910864
106	78	57086	-301641.1413	843217.3170250766	39.1859795198602	-101.8632195	252688.2038505847	434321.304289581	3748.10695971033	3677.17791989968	3629.79568727339	3643.932507297184	47.72210427363052	33.58528417841754
107	78	57087	-300981.1413	843217.3170250766	39.18600007653318	-101.8608621	252889.2924733653	434317.231622011	3746.081727045545	3674.54792206987	3626.1344717249976	3645.739795795943	46.4667489714044	28.8468325075641
108	78	57088	-300321.1413	843217.3170250766	39.18602055611673	-101.8585847	253100.4540049565	434313.15135005	3742.9549011687395	3671.693465017833	3621.957841	3644.50527471556104	47.3561917	21.08821335257923
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114	78	57094	-296361.1413	843217.3170250766	39.18614246933206	-101.8446004	254307.2022350517	434328.728004463	3734.076757405278	3655.48273490491	3593.84598421389	3624.949662095346	61.6467707659189	30.5430728915445
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116	78	57096	-295041.1413	843217.3170250766	39.1861827542246	-101.8399457	254704.94851865006	434320.585738485	3727.950431571716	3650.6175298427315	3596.8853709252185	3603.487190313256	63.3591758113306	47.1300708247977
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119	78	57099	-293061.1413	843217.3170250766	39.18623694872827	-101.8329635	255313.8185884941	434328.73691264	3718.845799	3643.845944133936	3584.383902718056	3595.765488196537	59.6420141587987	54.08047593799115
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124	78	57104	-289761.1413	843217.3170250766	39.186342116012646	-101.8213265	256318.42869715334	434324.248	3721.9612054293	3633.937968191614	3591.192921138253	3572.04477886175	42.75087568090612	61.89901795740843
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133	78	57113	-283821.1413	843217.3170250766	39.1865179532911	-101.8003799	258128.7157647498	434321.405621325	3687.78685368993	3619.58669599686	3608.00824208157	3606.982393564224	14.36082593564224	12.38621613576168
134	78	57114	-283161.1413	843217.3170250766	39.18653721715734	-101.798026	258329.6305217706	434320.333202041	3686.827136451421	3617.015197039696	3610.2048152121283	3609.47851767672	17.1343434890356	20.2800277682748
135	78	57115	-282501.1413	843217.3170250766	39.186556513032976	-101.7957251	258530.74917584195	434320.333202041	3685.21388603358	3616.482791160874	3608.016142067133	3608.055196162223	34.80783712416099	42.8722884
136	78	57116	-281841.1413	843217.3170250766	39.18657573395592	-101.7933977	258731.8684077554	434319.20278227	3686.09618527656	3615.036381358651	3603.841072379943	3604.898117719722	11.2220809070507	10.1658413888987
137	78	57117	-281181.1413	843217.3170250766	39.18659409926185	-101.7910703	258932.86862716396	434319.135624598	3686.917843041394	3614.65638237367	3599.3263794136	3601.32015886133175	12.2017650788189	12.2017650788189
138	78	57118	-280521.1413	843217.3170250766	39.18661404	-101.7887429	259134.10500807193	434319.08451325	3689.746027079237	3612.25478842882	3596.154177752283	3601.469759231265	17.18355081226276	20.8790163251383
139	78	57119	-279861.1413	843217.3170250766	39.18663312700845	-101.7864159	259335.2229508016	434318.01558402	3686.136817935299	3610.8325230018	3591.157472330984	3596.051566950927	14.697579981985	14.697579981985
140	78	57120	-279201.1413	843217.3170250766	39.18665218014575	-101.784038	259538.3406552057	434318.192335	3686.009736173623	3609.444996327048	3598.269186120326	3597.444996327048	20.15886207622264	20.15886207622264
141	78	57121	-278541.1413	843217.3170250766	39.18667115405768	-101.7817432	259738.593573507004	434317.9410161659	3685.996552336843	3608.5731073990017	3597.955549169287	3598.016142067133	22.3545326782748	22.3545326782748
142	78	57122	-277881.1413	843217.3170250766	39.18669011458758	-101.7794332	259938.6753507004	434317.9410161659	3685.996552336843	3608.5731073990017	3597.955549169287	3598.016142067133	22.3545326782748	22.3545326782748
143	78	57123	-277221.1413	843217.3170250766	39.18670902173897	-101.7								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.ft	BR ElevBothKrg.ft	SatThkLogs.	SatThkBoth.ft
225	78	57205	-223101.1413	843217.3170250766	39.1881035651208	-101.5862536	276630.4972475804	4340837.922272914	3567.121287149261	3411.992906560646	3431.6060346843915	3456.743389	0	0
226	78	57206	-222441.1413	843217.3170250766	39.188151351595495	-101.5839261	276831.5952343876	4340833.871443174	3565.08185236323	3409.96743035658	3429.947904336658	3451.924344067869	0	0
227	78	57207	-221781.1413	843217.3170250766	39.18812668164614	-101.5815986	27702.691869945	4340829.830931146	3563.615386181547	3407.40084642015	3424.3260750841036	3447.1900779839	0	0
228	78	57209	-22121.1413	843217.3170250766	39.188151746779724	-101.5792717	277333.7906	4340825.769322634	3565.176516621456	3405.102410709996	3428.7365239569414	3442.279988207609	0	0
229	78	57209	-220461.1413	843217.3170250766	39.18816676895763	-101.5769436	277434.887096764	4340821.718832226	3561.827995221396	3402.80165683638	3425.9476027344595	3437.83286431237	0	0
230	78	57210	-219801.1413	843217.3170250766	39.188178217982	-101.5746161	277635.9852057504	4340817.668321312	3560.934338784134	3400.49802823401	3423.9060137526576	3432.4811977273510	0	0
231	78	57211	-21941.1413	843217.3170250766	39.18819673246265	-101.5722886	277837.0811923203	4340813.617990089	3558.85135484077	3398.191037888615	3422.413763	3422.0129403	0	0
232	78	57212	-218481.1413	843217.3170250766	39.18821673775697	-101.569961	278038.17859095044	4340809.58	3555.579043522969	3395.880343	3421.210890967647	3423.2011454590024	0	0
233	78	57213	-217881.1413	843217.3170250766	39.18825646811189	-101.5676358	278239.2750572383	4340805.517866864	3553.506752618181	3393.565494926116	3419.650318521025	3422.863993542053	0	0
234	78	57214	-217161.1413	843217.3170250766	39.18824131351098	-101.565306	278401.371265518	4340801.468074486	3549.034200070527	3391.24056025679	3417.441039623621	3417.760177512908	0	0
235	78	57215	-216501.1413	843217.3170250766	39.18825630635426	-101.5629785	278461.4637172679	4340797.4184619505	3546.122821865077	3388.920253529943	3415.85473888371	3422.123023292317	0	0
236	78	57216	-215841.1413	843217.3170250766	39.188270809441626	-101.560651	278462.5311596513	4340793.369020906	3543.57193476373	3386.594877126937	3413.964918935054	3421.795497859485	0	0
237	78	57217	-215181.1413	843217.3170250766	39.188288549	-101.5583235	279043.65870364726	4340789.319775826	3541.021470789488	3384.26443322427	3412.860540534726	3420.633067024012	0	0
238	78	57218	-214521.1413	843217.3170250766	39.188300125549636	-101.5559995	279244.754097005	4340785.720702224	3538.407160955024	3381.9302238097443	3410.797338708082	3418.212373379965	0	0
239	78	57219	-213861.1413	843217.3170250766	39.188314716168236	-101.5536884	279448.4582180174	4340782.211080825	3535.729256998004	3379.590902859948	3409.15095819535	3416.7112343980184	0	0
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241	78	57221	-212541.1413	843217.3170250766	39.188343762539446	-101.5490134	279848.038620719	4340773.124589178	3529.8675804777693	3374.906815776712	3405.630714197507	3411.673116331034	0	0
242	78	57222	-211881.1413	843217.3170250766	39.18835822	-101.5466859	280049.1333581415	4340769.076204056	3526.936438676527	3372.5621346157805	3404.67374451164	3409.90895824397	0	0
243	78	57223	-211221.1413	843217.3170250766	39.18837262908651	-101.5443583	280250.2276372863	4340765.028802537	3524.224674480851	3370.2162611133704	3402.915627751546	3407.41908487885	0	0
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245	78	57225	-209901.1413	843217.3170250766	39.188403132	-101.5397033	280652.4165454301	4340756.932214258	3519.238096153879	3365.5186147532904	3398.50839639631186	3401.25777895928	0	0
246	78	57226	-209241.1413	843217.3170250766	39.18841559174345	-101.5373757	280853.50957477115	4340752.88457497	3516.744809690587	3363.1684243439635	3396.437035555704	3398.624869441287	0	0
247	78	57227	-208621.1413	843217.3170250766	39.1884284546881	-101.5350473	281058.632717435	4340748.603210354	3514.008593717335463	3361.389587742527	3394.35865791517	3397.261814574973	0	0
248	78	57228	-207921.1413	843217.3170250766	39.188440072909	-101.5327207	281255.6958548773	4340744.78942885	3511.750215	3358.4119913645975	3392.1879316422214	3376.364158	0	0
249	78	57229	-207261.1413	843217.3170250766	39.188458149787586	-101.5303932	281456.7886971014	4340740.742744515	3507.5849182605827	3356.07138011088	3389.9394377116123	3372.678907830696	0	0
250	78	57230	-206601.1413	843217.3170250766	39.18847245889634	-101.5280656	281657.8816311244	4340736.695826097	3504.419618583536	3353.694028463197	3387.5983801817283	3369.27486027907	0	0
251	78	57231	-205941.1413	843217.3170250766	39.18849780703581	-101.5257381	281858.9471838146	4340732.649087122	3501.339176045096	3351.309796387097	3385.455316186789	3365.613901563687	0	0
252	78	57232	-205281.1413	843217.3170250766	39.1885003322548	-101.5234106	282060.0665193837	4340728.602527682	3498.343589189984	3348.9187917097944	3383.284663423451	3376.862251525344	0	0
253	78	57233	-204621.1413	843217.3170250766	39.188514264468976	-101.5210478	282281.1586400255	4340724.358145773	3496.34069254511	3346.53289692645811	3381.630174869182	3372.019814678078	0	0
254	78	57234	-203961.1413	843217.3170250766	39.1885218719357	-101.5187574	282462.580597473	4340720.359407197	3492.352149071168	3344.12145735128	3379.4260532997	3366.64809134215	0	0
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256	78	57236	-202641.1413	843217.3170250766	39.18855587842056	-101.5141004	282864.437414249	4340712.41808519	3488.162579354624	3339.318537358423	3370.599053	3351.924592707103	0	0
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258	78	57238	-201321.1413	843217.3170250766	39.188583396279554	-101.5094453	283266.616	4340704.326840852	3484.573189	3334.487594865489	3363.661938438307	3333.1411473579606	0	1.346447498528505
259	78	57239	-200661.1413	843217.3170250766	39.1885970777434	-101.5071178	283467.7088617948	4340699.041637548	3482.959940430703	3332.6645283549926	3359.244030071097	3327.856257260788	0	9.736178254384688
260	78	57240	-200001.1413	843217.3170250766	39.18861072	-101.504793	283659.7914837535	4340696.26514517	3481.52813835442	3329.63168041977	3349.378025728216	3325.268114574973	0	46.89046678804504
261	78	57241	-199341.1413	843217.3170250766	39.1886243589432	-101.5024627	283869.8878929163	4340692.191507557	3478.0963362776756	3327.91605820767	3349.73049671115	3299.583266739245	0	27.6083914644248
262	78	57242	-198681.1413	843217.3170250766	39.188637892519466	-101.5001352	284070.978087215	4340684.14680005	3476.645342025923	3324.745614782676	3347.340814748735	3300.7841426530531	0	23.96418253425593
263	78	57243	-198021.1413	843217.3170250766	39.18865140418804	-101.4978706	284272.0680704484	4340684.102	3474.11922454578	3322.29396268023	3343.16366243286	3301.448828	0	20.8450343982331
264	78	57244	-197361.1413	843217.3170250766	39.18866487089996	-101.4954801	284473.1578404013	4340680.057815404	3473.464073011938	3319.836418	3338.93960688879	3305.47562327212	0	17.3619280377279
265	78	57245	-196701.1413	843217.3170250766	39.18867829265527	-101.4931526	284674.2437978846	4340676.31589942	3471.891059089167	3317.373415213378	3334.731854820748	3300.1665476368307	0	17.207740040077824
266	78	57246	-196041.1413	843217.3170250766	39.1886916945388	-101.490825	284875.337431043	4340671.96942507	3470.147278104056	3315.943547525173	3332.42799663153	3296.356493140252	0	18.5490741431203
267	78	57247	-195381.1413	843217.3170250766	39.18870549195881	-101.4885197	285084.2517958197	4340667.195847719	3468.25547197	3314.43195813753	3330.61769711863	3294.188113845607	0	18.5490741431203
268	78	57248	-194721.1413	843217.3170250766	39.18871829	-101.486169	285275.151479755	4340663.18679031	3470.288704031277	3309.91604361932	3323.06983839927	3292.170505114627	0	23.8249587040925
269	78	57249	-194061.1413	843217.3170250766	39.1887315301094	-101.4838424	285478.6305271946	4340658.348478817	3470.2722633908238	3307.467041033018	3318.9838421596705	3277.51288349976	0	29.9541575334146
270	78	57250	-193401.1413	843217.3170250766	39.18874472081165	-101.4815148	285679.6920054294	4340655.791497305	3470.25582332965	3307.47991509672	3315.411080965076	3270.46646256184	0	34.511529885778145
271	78	57251	-192741.1413	843217.3170250766	39.18875787909609	-101.4791873	285880.7802923984	4340651.750200041	3470.684251254678	3306.48536038008	3312.410488913579	3268.056926461876	0	39.42837991973056
272	78	57252	-192081.1413	843217.3170250766	39.188770986154154	-101.4768597	286081.868836332	4340647.702907235	3470.55757621433	3299.900208284702	3308.39281865851	3256.40759196206	0	43.58228266487549
273	78	57253	-191421.1413	843217.3170250766	39.188789404935368	-101.4745322	286289.956238808	4340643.662238808	3469.4308911416877	3297.4943929645268	3304.301816587187	3248.913		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevBothKgr.ft	SoHtKgr.ft	SurfBothKgr.ft
351	75	57331	-139941.1413	843217.3170250766	39.18966437822952	-101.292809	301967.1771633094	4340328.88080711	3358.426758	312.701062066191	317.209142494193	504.904040281217	42.396444115237955	
352	75	57332	-139291.1413	843217.3170250766	39.1896637868659006	-101.290632	302168.24903234177	4340324.851943043	3358.2005951466813	312.316127541781	316.5940652599304	518.96819754728185	49.53666215427769	
353	75	57333	-138621.1413	843217.3170250766	39.18966335414982	-101.288356	302369.326982715	4340320.824787843	3357.892265339215	312.52474741168207	316.5236533881156	516.66202335928276	50.8721483393818	
354	75	57334	-137961.1413	843217.3170250766	39.18966774657229	-101.285958	302570.3921635451	4340316.795194104	3357.774999182105	312.219143438498	316.58444477554838	516.40117775171642	50.33647016830142	
355	75	57335	-137301.1413	843217.3170250766	39.18970210523606	-101.2836704	302771.4634381483	4340312.767083721	3357.765852458721	312.17687705306666	319.3729502018997	517.2312905960243	50.53747993464278	
356	75	57336	-136641.1413	843217.3170250766	39.18971148084124	-101.2813428	302972.53451852105	4340308.791545781	3357.964811994241	312.11227730947956	315.543587496478	518.0830534	50.33191981174572	
357	75	57337	-135981.1413	843217.3170250766	39.18972076648778	-101.2790152	303173.60450252721	4340304.714404579	3358.136772	312.0880461875304	315.471432996015	515.4512023549072	50.46911898	
358	75	57338	-135321.1413	843217.3170250766	39.18973000717567	-101.2766876	303374.670989066	4340300.383334308	3358.362721	312.0441489377737	315.2798505277755	513.0404267448334	50.45198883996236	
359	75	57339	-134661.1413	843217.3170250766	39.189739222498481	-101.274336	303576.7465987285	4340296.656403552	3357.79471246788	312.0060021166737	315.02526827756867	515.52118386107185	50.378514934098685	
360	75	57340	-134001.1413	843217.3170250766	39.1897453537551	-101.2720324	303776.8169058423	4340292.62526319	3356.459715736069	311.9253063279273	315.0243920147934	515.7217439753167	50.37512232536102	
361	75	57341	-133341.1413	843217.3170250766	39.18975745948379	-101.2697048	303977.8870201531	4340288.602190887	3355.124719004538	310.9419908932244	314.85832131032235	515.70167069397	50.5787718000091	
362	75	57342	-132681.1413	843217.3170250766	39.18976532034058	-101.2673771	304179.9568418649	4340284.573534356	3358.7927227344	310.8710567282505	314.8857918056437	516.247277095931	50.6129018656948	
363	75	57343	-132021.1413	843217.3170250766	39.18977556235054	-101.2650495	304380.2866711847	4340280.54866417	3351.969203634528	310.725185282596	314.5229835241682	517.4484604174073	50.64350016577586	
364	75	57344	-131361.1413	843217.3170250766	39.18978450717078	-101.2627219	304581.06280361616	4340272.52511571	3349.6617317107903	310.738647668819	314.3490491812123	514.7629186686073	50.64415587469594	
365	75	57345	-130701.1413	843217.3170250766	39.1897934314773	-101.2603943	304762.1655346362	4340267.7458936577	3347.5937135439923	310.732807440007	314.3296306993103	514.44869567	50.628023799340845	
366	75	57346	-130041.1413	843217.3170250766	39.18980231416589	-101.2580667	304963.234706837	4340258.46989461	3345.051110212767	310.6940829872086	314.310560700115	514.924840937904	50.63480267170895	
367	75	57347	-129381.1413	843217.3170250766	39.18981115022529	-101.2557391	305184.306686247	4340250.447347107	3342.678293249844	310.67406598511	313.918190095158345	514.5185339056766	50.6479052893465	
368	75	57348	-128721.1413	843217.3170250766	39.18981194125865	-101.2534114	305385.3724	4340246.417946801	3340.2345918187714	310.65864769192837	313.82632967051236	514.100210327136	50.67518021	
369	75	57349	-128061.1413	843217.3170250766	39.189826867467624	-101.2510838	305586.44018130944	4340256.392304045	3337.789829	310.620185450075	313.95955401180414	513.8526294272532	50.684744266611	
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390	75	57370	-114201.1413	843217.3170250766	39.19000197093114	-101.2022037	309808.8374864093	4340171.8956564	3263.278254779951	310.71028844171917	310.951062582444	510.5405207727265	50.6097913194733	
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393	75	57373	-112221.1413	843217.3170250766	39.190025917818419	-101.195281	310390.7832988577	4340159.7532812336	3261.394428111903	310.6509415448589	310.91932304833837	510.49938424	50.60950429826095	
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397	75	57377	-109581.1413	843217.3170250766	39.19005530629525	-101.1859103	311126.285652315	4340143.7486958	3256.93455795255	310.5479856759707	309.67780143046507	510.36327107448644	50.60507421009264	
398	75	57378	-108921.1413	843217.3170250766	39.19006276842152	-101.1835827	311471.3477	4340139.72440887	3255.18808245614	310.5479856759707	309.67780143046507	510.363271074486		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogKrg	BRElevBothKrg	SatElevLogKrg	SatElevBothKrg
477	57457	-56781.14133	843217.3170250766	39.1905084006149	39.9999984	327300.76667818005	4339822.678881062	3164.83396408050797	2422.4613710062	2919.871976966207	2920.8662518219185	62.5221867404578	61.55791188834337
478	57458	-56721.14133	843217.3170250766	39.190512485610746	-0.097397078	327501.81584594738	4339818.675008192	3162.122306	2909.866874706899	2917.359145870267	2920.5941533272005	63.3277607271167	73.94745391417856
479	57459	-55681.14133	843217.3170250766	39.190516286196376	-0.098601077	327702.964659780203	4339814.664496498	3160.136609	2917.359145870267	2915.508896218103	2920.332528	63.07431331002954	76.1467918327061
480	57460	-54801.14133	843217.3170250766	39.190520041828115	-0.09272155	327903.91328348813	4339816.658670658	3158.2105615598	2917.359145870267	2914.988815126221	2920.5327927667656	62.9030333672005	62.9030333672005
481	57461	-54141.14133	843217.3170250766	39.19052375	-0.09303878	328104.96174810744	4339806.653022515	3155.91843426607	2917.359145870267	2913.308986767574	2926.647776306746	63.152504674882606	49.78639632137241
482	57462	-53481.14133	843217.3170250766	39.19052718205136	-0.09388001	328306.31047407004	4339812.751027153	3153.824352339616	2917.359145870267	2911.043421779794	2926.87462126336	64.00495867664399	50.5645524360419
483	57463	-52821.14133	843217.3170250766	39.19053130895342	-0.093857325	328507.5807134689	4339816.642259431	3151.346385319202	2917.359145870267	2910.6136096422083	2926.647776306746	63.152504674882606	49.78639632137241
484	57464	-52161.14133	843217.3170250766	39.19053461474153	-0.09384048	328798.106136420696	4339794.673144476	3148.484533179207	2917.359145870267	2910.5428311218483	2926.647776306746	63.152504674882606	49.78639632137241
485	57465	-51501.14133	843217.3170250766	39.190538145596848	-0.09381071	328989.1532839516	4339794.673144476	3146.62281687151	2917.359145870267	2910.44651711447	2926.647776306746	63.152504674882606	49.78639632137241
486	57466	-50841.14133	843217.3170250766	39.1905415134722	-0.093787495	329110.154258885	4339794.673144476	3144.7602829143223	2917.359145870267	2910.338182978639	2926.647776306746	63.152504674882606	49.78639632137241
487	57467	-50181.14133	843217.3170250766	39.190545072344776	-0.093764218	329311.24901414333	4339792.62665889	3138.8722170422006	2917.359145870267	2910.258501723124	2926.647776306746	63.152504674882606	49.78639632137241
488	57468	-49521.14133	843217.3170250766	39.19054848292164	-0.09374042	329512.2963071403	4339798.618	3136.956433057066	2917.359145870267	2910.1301437138445	2926.647776306746	63.152504674882606	49.78639632137241
489	57469	-48861.14133	843217.3170250766	39.19055181927932	-0.093717665	329713.34432722	4339814.61232539	3134.014469593125	2917.359145870267	2909.5746979177375	2926.647776306746	63.152504674882606	49.78639632137241
490	57470	-48201.14133	843217.3170250766	39.1905551230629	-0.09369438	329914.390303136	4339796.0168442	3131.126095960108	2917.359145870267	2908.067837428705	2926.647776306746	63.152504674882606	49.78639632137241
491	57471	-47541.14133	843217.3170250766	39.190558366373034	-0.09367112	330115.4372	4339796.0168442	3127.8047113938	2917.359145870267	2908.6419840499075	2926.647776306746	63.152504674882606	49.78639632137241
492	57472	-46881.14133	843217.3170250766	39.19056160247967	-0.09364785	330316.4838141753	4339792.62665889	3123.48670809752	2917.359145870267	2908.77277330233	2926.647776306746	63.152504674882606	49.78639632137241
493	57473	-46221.14133	843217.3170250766	39.19056473762586	-0.09362458	330517.3302795465	4339785.59105999	3121.365574081144	2917.359145870267	2908.77277330233	2926.647776306746	63.152504674882606	49.78639632137241
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497	57477	-43581.14133	843217.3170250766	39.19057709068909	-0.093531452	331321.714494836	4339742.58818985	3102.379591052455	2917.359145870267	2908.42884464428	2926.647776306746	63.152504674882606	49.78639632137241
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500	57480	-41601.14133	843217.3170250766	39.19058712763145	-0.093461622	331924.8508482167	4339730.57948617	3092.0451429224	2917.359145870267	2907.8638392447	2926.647776306746	63.152504674882606	49.78639632137241
501	57481	-40941.14133	843217.3170250766	39.19059088224744	-0.093438345	332125.890620619	4339725.573736695	3089.157254569277	2917.359145870267	2907.6548387188577	2926.647776306746	63.152504674882606	49.78639632137241
502	57482	-40281.14133	843217.3170250766	39.19059129073281	-0.093415068	332326.841105949	4339722.57454306	3087.861348570325	2917.359145870267	2907.4481164396	2926.647776306746	63.152504674882606	49.78639632137241
503	57483	-39621.14133	843217.3170250766	39.190594001227651	-0.093391792	332527.9859	4339713.73174494	3085.96285199883	2917.359145870267	2907.452236017181	2926.647776306746	63.152504674882606	49.78639632137241
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512	57492	-33681.14133	843217.3170250766	39.19061648259315	-0.09318232	334337.3812462925	4339682.569452401	3065.9720256812618	2917.359145870267	2907.81634384975	2926.647776306746	63.152504674882606	49.78639632137241
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519	57499	-29061.14133	843217.3170250766	39.190631648259315	-0.09301952	335744.68259315	4339662.569452401	3051.6278459894874	2917.359145870267	2907.81634384975	2926.647776306746	63.152504674882606	49.78639632137241
520	57500	-28401.14133	843217.3170250766	39.19063399591681	-0.09299608	335945.722991706	4339662.56806821	3049.7027924922	2917.359145870267	2907.81634384975	2926.647776306746	63.152504674882606	49.78639632137241
521	57501	-27741.14133	843217.3170250766	39.19063631184949	-0.092972811	336146.7648323515	4339662.5752003	3047.7446715497807	2917.359145870267	2907.81634384975	2926.647776306746	63.152504674882606	49.78639632137241

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.ft	BRIEVBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
603	78	57583	26378.8586730335	843217.3170250766	39.19063911669882	-100.7064211	52631.6796960625	4339319.29498923	2926.892610853403	271.713327972916	2766.30326570949	2766.457529319757	75.40500140196718	75.23790460215883
604	78	57584	27038.8586730335	843217.3170250766	39.19063729724211	-100.704844	52632.7052935248	4339315.11143914	2925.051071776933	2839.793405928743	2763.555467706914	2763.772044200864	76.021165289239	76.021165289239
605	78	57585	27398.8586730335	843217.3170250766	39.1906352302154676	-100.687768	52633.7434546357	4339311.3427	2922.86143389605	2826.186844982206	2760.68138201136	2760.722221788476	76.1868518823297	76.1868518823297
606	78	57586	27835.8586730335	843217.3170250766	39.19063523474545	-100.6994291	52634.7633089814	4339307.34395742	2933.373831662968	2835.934593780208	2756.1003839436584	2756.014384205124	76.842093682171	79.1919058989404
607	78	57587	29018.8586730335	843217.3170250766	39.19063156910972	-100.6971014	52635.7924383527	4339303.360665737	2933.4371861159764	2833.993224820212	2751.821971	2751.3297683634687	82.17125381515234	82.6634818384348
608	78	57588	29678.8586730335	843217.3170250766	39.19062956981154	-100.6947378	52636.36211986374	4339299.37514007	2933.4371861159764	2832.04066	2748.42963	2747.7529961740687	83.17429684059964	84.290332842313
609	78	57589	30338.8586730335	843217.3170250766	39.19062725552976	-100.692461	52637.84981890936	4339295.349548741	2929.368777242453	2830.0940247063327	2745.53676207581	2744.647656	85.57548498751656	85.4664661
610	78	57590	30998.8586730335	843217.3170250766	39.1906254	-100.6901184	52638.87891778616	4339291.4175937	2927.33660077782467	2828.338380881006	2743.040906310531	2742.084842421195	85.1292717756956	86.0535167
611	78	57591	31658.8586730335	843217.3170250766	39.190623302154676	-100.687768	52639.8436630533	4339287.429	2926.86143389605	2826.186844982206	2760.68138201136	2760.722221788476	85.3578919	86.0221103407523
612	78	57592	32318.8586730335	843217.3170250766	39.19062112301529	-100.6854631	52640.93483077553	4339283.446711663	2925.90015551591	2824.22667422306	2740.9059745573424	2741.5706719313102	83.1188525488819	82.6541511092033
613	78	57593	32978.8586730335	843217.3170250766	39.1906188891358	-100.6831354	52641.962853193	4339279.46452579	2924.960587372333	2822.296900365386	2737.849479	2739.806052635876	84.4742097	82.4904771365303
614	78	57594	33638.8586730335	843217.3170250766	39.1906162965315	-100.6808078	52642.990788575	4339275.48207116	2922.14779903115	2820.38407639088	2735.978052928316	2742.395859704116	84.40225471072629	77.9845479396731
615	78	57595	34298.8586730335	843217.3170250766	39.19061431583457	-100.6784801	52643.950198271	4339271.5	2898.891803404612	2818.4664686099104	2735.903791399396	2746.586123959474	76.8626720970874	70.88034465043302
616	78	57596	34998.8586730335	843217.3170250766	39.1906119568536	-100.6761524	52645.0402636247	4339267.618735027	2899.2860236844	2816.55546688752	2747.332824259906	2747.332824259906	80.27994158914589	69.2246421275586
617	78	57597	35618.8586730335	843217.3170250766	39.1906095291243	-100.6738248	52646.073695317	4339263.5128381	2898.69233060678	2814.5847528014873	2736.7057202993915	2747.332824259906	76.054420209584	67.0229622005951
618	78	57598	36278.8586730335	843217.3170250766	39.19060710401089	-100.6714871	52647.1014681897	4339259.558306324	2897.47047901309	2812.740296534316	2736.9312446800807	2736.9312446800807	75.8138848623091	66.0145271033815
619	78	57599	36938.8586730335	843217.3170250766	39.190604610149016	-100.6691684	52648.128582342	4339255.574608485	2897.010097177339	2810.8429615541104	2736.805838971347	2744.8645921532807	74.234007669586	66.978364
620	78	57600	37598.8586730335	843217.3170250766	39.190602071326886	-100.6668418	52649.1550330442	4339251.59383941	2902.18712221887	2808.942213786839	2735.7941470461124	2742.3562339673219	73.1480647372713	66.9589251048932
621	78	57601	38258.8586730335	843217.3170250766	39.190599487544404	-100.6645141	52650.182621825	4339247.617327594	2904.64266818967	2807.0442064251615	2734.55976896045	2739.688779125617	72.4844378275655	67.3454272995457
622	78	57602	38918.8586730335	843217.3170250766	39.19059685801655	-100.6621864	52651.200549441	4339243.63206708	2904.7416141196255	2805.15126594339	2733.0043046853165	2740.18179433071797	72.1481191714701	68.88842025715927
623	78	57603	39578.8586730335	843217.3170250766	39.19059418509875	-100.6598587	52652.2337085312	4339239.651547557	2905.16193329608	2803.2655136870753	2731.27781058368	2733.0028586888833	71.9877031	70.2655502819206
624	78	57604	40238.8586730335	843217.3170250766	39.19059146643524	-100.6575311	52653.2622315105	4339236.671257487	2904.7260125411919	2801.38927501538	2728.3842150573735	2730.05643477887	72.054420209584	67.0229622005951
625	78	57605	40898.8586730335	843217.3170250766	39.1905894319616	-100.6552098	52654.286895927	4339232.61881717	2903.87475782533	2798.524339138619	2727.639281518619	2727.639281518619	72.054420209584	67.0229622005951
626	78	57606	41558.8586730335	843217.3170250766	39.19058748227716	-100.6528758	52655.3148363034	4339227.711	2903.85417069356	2797.667900441654	2726.970303192351	2727.332824259906	70.697598514852	67.0229622005951
627	78	57607	42218.8586730335	843217.3170250766	39.19058534068356	-100.6505481	52656.3403524644	4339217.31366848	2903.30204485614	2796.82239270206	2726.27240486821	2726.4199139748182	69.20948790019954	69.20948790019954
628	78	57608	42878.8586730335	843217.3170250766	39.19058241719094	-100.6482204	52657.366968031	4339219.75756191	2902.6337133990028	2793.988033023327	2725.918855581213	2726.099517582532	68.094479	67.8887587
629	78	57609	43538.8586730335	843217.3170250766	39.19057917871441	-100.6458928	52658.39271888486	4339215.72220232	2901.9653819473942	2792.164331282938	2725.393304610218	2725.393304610218	67.17026271193	66.7261433603622
630	78	57610	44198.8586730335	843217.3170250766	39.19057410287956	-100.6435651	52659.418503293	4339211.790362376	2901.2970504957857	2790.351899	2724.4254442714437	2724.7586485903335	65.928644563075	65.934033
631	78	57611	44898.8586730335	843217.3170250766	39.19057171980273	-100.6412374	52660.4440514905	4339207.813881174	2899.57153228658	2788.55183878974	2724.15381878784	2724.15381878784	64.984729805272	64.984729805272
632	78	57612	45598.8586730335	843217.3170250766	39.1905690950724	-100.6389098	52661.4691407728	4339203.835074436	2898.79547678266	2786.5218362226	2723.103881146842	2723.103881146842	63.958297	62.8356881
633	78	57613	46178.8586730335	843217.3170250766	39.19056549251526	-100.6365821	52662.4947343826	4339199.853681517	2894.014222556754	2784.38844257121893	2720.37241480644	2724.7586485903335	61.6160277	60.203383675256
634	78	57614	46738.8586730335	843217.3170250766	39.1905618698559	-100.6342544	52663.5198710263	4339187.7796338	2891.2347576807197	2783.22451305869	2718.6121606813845	2722.2903837354	64.1623062448461	60.93147346851014
635	78	57615	47498.8586730335	843217.3170250766	39.190558593759434	-100.6319268	52664.544074964	4339181.899420039	2890.37078891485	2781.4719800480143	2717.0940875592073	2719.112580388575	64.38149249	62.35672200915678
636	78	57616	48158.8586730335	843217.3170250766	39.1905553357303	-100.6299991	52665.5697334533	4339187.921	2889.68196195663	2779.702362557346	2715.598721521612	2716.97582368691816	63.14913035333	62.7548756698167
637	78	57617	48818.8586730335	843217.3170250766	39.1905520242465	-100.6277214	52666.5944601003	4339183.94319444	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
638	78	57618	49478.8586730335	843217.3170250766	39.1905492419616	-100.6254982	52667.62095442	4339179.9585	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
639	78	57619	50138.8586730335	843217.3170250766	39.1905459125259	-100.6226161	52668.650525289	4339175.98783962	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
640	78	57620	50798.8586730335	843217.3170250766	39.1905418532539	-100.6202884	52669.66762423673	4339172.01	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
641	78	57621	51458.8586730335	843217.3170250766	39.1905383	-100.6179608	52670.692076951	4339168.03287347	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
642	78	57622	52118.8586730335	843217.3170250766	39.19053484229042	-100.6156331	52671.710556871	4339164.056	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
643	78	57623	52778.8586730335	843217.3170250766	39.1905312693265	-100.6133059	52672.739983891	4339160.0789604	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
644	78	57624	53438.8586730335	843217.3170250766	39.19052761514735	-100.6109778	52673.7674717226	4339156.102	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
645	78	57625	54098.8586730335	843217.3170250766	39.19052402808941	-100.6086525	52674.7959189778	4339152.1369307	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
646	78	57626	54758.8586730335	843217.3170250766	39.1905202808941	-100.606325	52675.82170189778	4339148.148381478	2889.5852398944	2778.99840702343	2714.11166557127	2715.44163512592	63.7548756698167	62.7548756698167
647	78	57627	55418.8586730335	843217.3170250766</										

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatThElev.f	SatThBoth.f
72	78	57709	10958.85687307335	843217.3170250766	39.19005580423002	-100.4131276	37960.31801696	4338818.718672095	2708.506769352463	2645.45629037099	2621.188847466175	24.26740570923777	23.36982637116436
730	78	57710	11498.85687307335	843217.3170250766	39.19004382	-100.4108	378161.3267457048	4338814.701670875	2648.520329954372	2618.520329954372	2618.520329954372	25.65346569817213	25.65346569817213
731	78	57711	11498.85687307335	843217.3170250766	39.1900473025	-100.4084723	378622.339	4338810.765536838	2642.891245487918	2618.342054834516	2618.342054834516	25.6491986420366	25.6491986420366
732	78	57712	111518.85687307335	843217.3170250766	39.19003321612849	-100.4061447	378563.5228267976	4338806.675326775	2699.707393636161	2641.005661	2617.8790697415743	27.26599124497568	27.77685076362946
733	78	57713	112178.85687307335	843217.3170250766	39.19002595684285	-100.4038171	378643.3648705641	4338802.873	2701.684665221323	2640.3105405518486	2617.866260888807	29.5999433509137	29.5999433509137
734	78	57714	112838.85687307335	843217.3170250766	39.19001793259796	-100.4014894	378955.3767205261	4338798.912157376	2703.61969080465	2639.204523975173	2609.935484481736	30.470940503977248	30.470940503977248
735	78	57715	113498.85687307335	843217.3170250766	39.19001022339389	-100.3991618	379166.3897136406	4338784.951381541	2704.3060811035866	2637.687091035866	2607.044882772096	30.9903842705325	30.9903842705325
736	78	57716	114158.85687307335	843217.3170250766	39.190002469230656	-100.3968342	379367.4019581848	4338780.990788087	2696.35961752408176	2605.2420913490314	2607.277478708807	31.114728289625	31.114728289625
737	78	57717	114818.85687307335	843217.3170250766	39.189994670100623	-100.3946496	379568.4140898126	4338776.330357578	2700.9215478631707	2605.125976956688	2607.277478708807	31.76318319648713	31.76318319648713
738	78	57718	115478.85687307335	843217.3170250766	39.18998962052666	-100.3921789	379759.420959841	4338773.1071061515	2702.224527130103	2603.673196228927	2606.1751057112815	32.003258282517	32.003258282517
739	78	57719	116138.85687307335	843217.3170250766	39.18997836985933	-100.3898513	379970.43979761415	4338779.110032054	2705.4568682211	2632.31404988224	2593.04038592833	29.9748507838353	32.27418617
740	78	57720	116798.85687307335	843217.3170250766	39.1899710296609	-100.3875237	380171.4497800136	4338775.15134359	2698.206195097283	2630.94570340232	2595.053119366536	29.96529277	32.8920365953933
1	79	57721	-370941.1413	843877.3170250766	39.185368820838794	-102.1076183	231582.7043647833	434151.23756332	3849.767140976234	3786.98325246471	3785.982134845966	37.777788850461	37.777788850461
2	79	57722	-370281.1413	843877.3170250766	39.18541206570202	-102.105291	231783.85724598932	434149.145633088	4054.9912957801316	3848.32523101016	3783.679756237735	37.83217010299594	37.83217010299594
3	79	57723	-369621.1413	843877.3170250766	39.185437265616955	-102.102937	231985.009291143	434194.031593708	4050.99702001552	3846.387173483363	3781.281918966716	37.81164703787943	37.81164703787943
4	79	57724	-368961.1413	843877.3170250766	39.185462420583654	-102.100634	232186.1071025853	434198.962330787	4045.001282523048	3845.516465573843	3774.67101009548	37.7794263143461	37.7794263143461
5	79	57725	-368301.1413	843877.3170250766	39.1854873600203	-102.098392	232387.2125836289	434193.870949321	4037.92586025454	3844.09354254194	3778.39693400939	37.766445472593	37.766445472593
6	79	57726	-367641.1413	843877.3170250766	39.185512595672066	-102.095819	232588.4638142768	434193.77497306	4034.45024526404	3842.6349824189	3773.694698447133	37.727244109652317	37.727244109652317
7	79	57727	-366981.1413	843877.3170250766	39.18553761579366	-102.0936546	232789.6148138623	434192.6873087329	4031.8511803437	3841.2282951761382	3773.782091100086	37.70325746719873	37.70325746719873
8	79	57728	-366321.1413	843877.3170250766	39.18556259096681	-102.0913273	232990.76553117375	434192.59738932	4027.8299215485313	3839.786943062625	3769.384396158755	37.68135769359427	37.68135769359427
9	79	57729	-365661.1413	843877.3170250766	39.18558273119143	-102.089	233191.9159834573	4341918.507237871	4025.1474758270325	3838.3420134892235	3767.671088989234	37.66445445	37.66445445
10	79	57730	-365001.1413	843877.3170250766	39.18561240664576	-102.0866727	233393.0617012888	4341914.416763351	4022.51962657019	3836.8906175200176	3765.873329570186	37.6303629672602	37.6303629672602
11	79	57731	-364341.1413	843877.3170250766	39.1856402725	-102.0840924	233629.1914132464	4341913.26190927	4019.8327458249423	3835.4374832459423	3765.873329570186	37.61433027292	37.61433027292
12	79	57732	-363681.1413	843877.3170250766	39.18566204217386	-102.0820181	233795.36575274292	4341906.235932932	4018.4271582795329	3833.971515783544	3767.061398699687	37.606751963371	37.606751963371
13	79	57733	-363021.1413	843877.3170250766	39.1856867260387	-102.079908	233965.5157129753	4341902.1462491	4017.503682765042	3832.503682765042	3767.628447455458	37.6736750129457	37.6736750129457
14	79	57734	-362361.1413	843877.3170250766	39.1857114808359	-102.0773635	234197.66427792306	4341898.05684089	4017.074129	3831.030353321475	3768.544270642886	37.71879505959857	37.71879505959857
15	79	57735	-361701.1413	843877.3170250766	39.18573615861798	-102.0750362	234398.813448254	4341893.967113202	4015.189085930635	3829.55145085635	3769.514710394757	37.726472324096734	37.726472324096734
16	79	57736	-361041.1413	843877.3170250766	39.18576074201746	-102.072708	234599.9617482062	4341889.87727729	4012.5995147602505	3828.67281573203	3768.86615596339	37.74021256928104	37.74021256928104
17	79	57737	-360381.1413	843877.3170250766	39.18578564836846	-102.0703816	234801.1108972895	4341885.76882272	4009.79371485123	3827.97769862344	3768.941843636867	37.754130372982	37.754130372982
18	79	57738	-359721.1413	843877.3170250766	39.1858107522054	-102.068043	235002.258165544	4341881.69949912	4007.6077238981	3825.0674777487	3764.209610245454	37.76384614359643	37.76384614359643
19	79	57739	-359061.1413	843877.3170250766	39.18583435125957	-102.065727	235203.40597903294	4341877.61057731	4004.5962742788904	3823.953290061815	37.7611658361678	37.7611658361678	37.7611658361678
20	79	57740	-358401.1413	843877.3170250766	39.185858704757	-102.0633997	235404.5535306693	4341873.9197971	4001.565650805843	3822.065115613842	3768.2546350962	37.78329026041682	37.78329026041682
21	79	57741	-357741.1413	843877.3170250766	39.1858831788864	-102.0610724	235605.7008195394	4341869.435812775	3998.53502644705	3820.540570492571	3756.63564166257	37.805842385957145	37.805842385957145
22	79	57742	-357081.1413	843877.3170250766	39.185907523776265	-102.0587451	235806.8478611943	4341865.35220529	3995.5044023602	3819.043247417893	3755.004745927483	37.8310512594507	37.8310512594507
23	79	57743	-356421.1413	843877.3170250766	39.18593187469346	-102.056478	236007.99461062026	4341861.25710414	3993.623955111116	3817.467209183914	3754.008014	37.8532796102673	37.8532796102673
24	79	57744	-355761.1413	843877.3170250766	39.18595609483063	-102.054095	236209.1411324464	4341857.16919027	3991.79371485123	3815.9734148530713	3754.008014	37.871433027292	37.871433027292
25	79	57745	-355101.1413	843877.3170250766	39.185980291759504	-102.0517632	236410.2835419753	4341853.081451263	3989.4343529381	3814.34352932	3748.0783759410156	37.88475591996431	37.88475591996431
26	79	57746	-354441.1413	843877.3170250766	39.18600457843396	-102.0494359	236611.4333	4341848.93942816	3987.3321436157	3812.799549638922	3742.147852067824	37.9385042613125	37.9385042613125
27	79	57747	-353781.1413	843877.3170250766	39.1860285789885	-102.0471085	236812.5790519028	4341844.906451679	3982.738428354896	3811.24815569705	3736.484848	37.7605170485407	37.7605170485407
28	79	57748	-353121.1413	843877.3170250766	39.18605265518109	-102.0447812	237013.7245009717	4341840.81921841	3981.27909338927	3809.6877433277396	3730.869669633231	37.8257963988517	37.8257963988517
29	79	57749	-352461.1413	843877.3170250766	39.1860766642584	-102.042439	237214.8697053902	4341836.73221304	3989.819623272893	3807.96313227848	3728.0544717348165	37.83031873945933	37.83031873945933
30	79	57750	-351801.1413	843877.3170250766	39.18610472721075	-102.0401266	237461.014641065	4341832.45636051	3988.3604315574385	3806.5071033630167	3715.329643847445	37.8487463725194	37.8487463725194
31	79	57751	-351141.1413	843877.3170250766	39.18613091705968	-102.0378457	237691.08598987	4341828.9598167	3986.95898987	3805.435898987	3714.9035387	37.8658598987	37.8658598987
32	79	57752	-350481.1413	843877.3170250766	39.18614851047473	-102.0354719	237816.303812829	4341824.47212361	3981.5183134141	3803.491284034394	3697.87357341639	37.89621087104	37.89621087104
33	79	57753	-349821.1413	843877.3170250766	39.186172361921365	-102.0331446	238019.447986248	4341820.386	3977.43434049827	3801.888196342337	3687.2753737504923	36.95956976188933	36.95956976188933
34	79	57754	-349161.1413	843877.3170250766	39.18619616841821	-102.0308173	238220.591881389	4341816.29877775	3973.36738396344	3800.327367	3680.2058342347313	37.11213025669	37.11213025669
35	79	57755	-348501.1413	843877.3170250766	39.186219996538	-102.028489	238421.7356169043	4341812.21846875	3970.13687164879	3798.76697629558	3692.417873208292	36.9856492041316	36.9856492041316
36	79	57756	-347841.1413	843877.3170250766	39.1862434656279	-102.026126	238622.878993143	4341808.12807221	3967.7171066027	3797.209897734044	3696.013562650784	37.0016330835189	37.0016330835189
37	79	57757	-347181.1413	843877.3170250									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	BR ElevLogKrg.ft	BR ElevLogKrg.ft	BR ElevLogKrg.ft	BR ElevLogKrg.ft
15	75	57835	-295071.1413	84387.3170250766	39.187975212867586	-101.8422989	254512.403546814	3414485.925	3752	327.0480353238614	3580.8951873099704	3589.898421388727	3609.026178683408	3696.94517109775	41.8690084465666	41.8690084465666
116	75	57836	-295041.1413	84387.3170250766	39.18796533367626	-101.8399715	254713.5267440104	3414481.853965732	3752	327.0897511706166	3648.517270226899	3586.722674662263	3596.972336387699	3617.9320456	42.4365381919826	42.4365381919826
117	75	57837	-295031.1413	84387.3170250766	39.18801541	-101.837864	254914.6486827169	3414477.823284754	3752	327.0897511706166	3648.517270226899	3586.722674662263	3596.972336387699	3617.9320456	42.4365381919826	42.4365381919826
118	75	57838	-295021.1413	84387.3170250766	39.18803543947751	-101.8353166	255117.726009404	3414473.711942711	3752	327.10182641285	3648.517270226899	3586.722674662263	3596.972336387699	3617.9320456	42.4365381919826	42.4365381919826
119	75	57839	-295016.1413	84387.3170250766	39.18805542509784	-101.8329891	255316.89525095005	3414469.641203231	3752	327.12722322374	3641.837461928376	3583.4382566089594	3585.480174447064	36.59920531941425	56.35782748076963	56.35782748076963
120	75	57840	-295011.1413	84387.3170250766	39.18807536576496	-101.8306617	255518.0175681471	3414465.750644429	3752	327.0503912087	3639.745474192651	3583.789263874597	3581.723441944161	38.99302531905374	58.04113225	58.04113225
121	75	57841	-295011.1413	84387.3170250766	39.18809556147885	-101.8283242	255917.1396427262	3414462.500266302	3752	327.2448618434	3637.7650714489832	3584.6530170976845	3575.3676149429446	53.11205174129873	62.3982699793861	62.3982699793861
122	75	57842	-295011.1413	84387.3170250766	39.18811511229343	-101.8260068	255920.2614775224	3414457.400806836	3752	327.3381153179	3638.835659747954	3581.619933371727	3581.619933371727	51.185852646848	66.72044721185107	66.72044721185107
123	75	57843	-295011.1413	84387.3170250766	39.1881354992	-101.8236783	255920.2614775224	3414453.300623035	3752	327.3381153179	3638.835659747954	3581.619933371727	3581.619933371727	51.185852646848	66.72044721185107	66.72044721185107
124	75	57844	-295011.1413	84387.3170250766	39.18815456790061	-101.8213159	256322.500266302	3414449.290115874	3752	327.171156	3637.7650714489832	3584.6530170976845	3575.3676149429446	53.11205174129873	62.3982699793861	62.3982699793861
125	75	57845	-295011.1413	84387.3170250766	39.18817439	-101.8190244	256623.6253032083	3414445.291	3752	327.20430917199	3630.43156966102	3590.760357166553	3581.727154375716	58.70441417802476	68.70441417802476	68.70441417802476
126	75	57846	-288441.1413	84387.3170250766	39.1881940465748156	-101.816697	256724.746399085	3414431.151085482	3752	327.629200574583	3628.745017649073	3592.5539666608959	3587.790422003598	36.1910609817474	40.954575645476325	40.954575645476325
127	75	57847	-288417.1413	84387.3170250766	39.188213691741765	-101.8143695	256925.8627070807	3414437.1013279	3752	327.1731261574	3627.108742451246	3594.520691370443	3587.790422003598	36.1910609817474	40.954575645476325	40.954575645476325
128	75	57848	-288417.1413	84387.3170250766	39.18823272781613	-101.8120421	257126.9671456103	3414433.01267708	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
129	75	57849	-288461.1413	84387.3170250766	39.1882528868638	-101.8097146	257328.107426933	3414428.34744604	3752	327.902186325763	3623.907029732399	3597.7949587	3591.396564537898	36.17584397	42.3817975	42.3817975
130	75	57850	-288501.1413	84387.3170250766	39.18827320001316	-101.8073871	257529.22746861292	3414424.74892202	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
131	75	57851	-288514.1413	84387.3170250766	39.188291761819064	-101.8050597	257730.34713566082	3414420.80642003	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
132	75	57852	-288481.1413	84387.3170250766	39.18831114740631	-101.8027322	257931.4666249674	3414416.738	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
133	75	57853	-288321.1413	84387.3170250766	39.18833050637827	-101.800447	258132.585707881	3414416.818681582	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
134	75	57854	-288361.1413	84387.3170250766	39.18834981	-101.7980773	258333.7046992774	3414408.60178845	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
135	75	57855	-282501.1413	84387.3170250766	39.18839609136098	-101.7957498	258584.8234086658	3414404.33939083	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
136	75	57856	-281541.1413	84387.3170250766	39.18838302771665	-101.7934223	259143.94518791306	3414400.645072189	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
137	75	57857	-281541.1413	84387.3170250766	39.18839163897163	-101.7917713	259143.94518791306	3414400.645072189	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
138	75	57858	-280521.1413	84387.3170250766	39.188426510731426	-101.7887674	259138.1701841515	3414392.331	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
139	75	57859	-279961.1413	84387.3170250766	39.18844569728046	-101.7864399	259339.2958917474	3414384.26346832	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
140	75	57860	-279201.1413	84387.3170250766	39.18846473887553	-101.7841125	259540.4133708141	3414384.197400131	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
141	75	57861	-278541.1413	84387.3170250766	39.18848335516655	-101.781785	259741.5306551086	3414384.13063367	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
142	75	57862	-277881.1413	84387.3170250766	39.1885026720372	-101.7794575	259942.6476964598	3414376.04048323	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
143	75	57863	-277221.1413	84387.3170250766	39.18851263897163	-101.777813	260143.7645063425	3414376.04048323	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
144	75	57864	-276561.1413	84387.3170250766	39.18854065571665	-101.7748026	260344.881099037	3414376.04048323	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
145	75	57865	-275901.1413	84387.3170250766	39.188572254046	-101.7724751	260545.99739651917	3414363.865	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
146	75	57866	-275241.1413	84387.3170250766	39.18857804411116	-101.7701476	260747.11348924304	3414359.31985087	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
147	75	57867	-274581.1413	84387.3170250766	39.18859671327546	-101.7678201	260948.2294542784	3414355.733827732	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
148	75	57868	-273921.1413	84387.3170250766	39.188615453289756	-101.7654926	261193.4449488685	3414351.366832059	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
149	75	57869	-273261.1413	84387.3170250766	39.1886340029769	-101.7631652	261350.4604832613	3414347.603	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
150	75	57870	-272601.1413	84387.3170250766	39.188652623511	-101.7608377	261515.1745495191	3414343.537861122	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
151	75	57871	-271941.1413	84387.3170250766	39.1886712294653	-101.7585102	261752.6900710715	3414331.02899895	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
152	75	57872	-271281.1413	84387.3170250766	39.1886971519554	-101.7561827	261953.805926351	3414335.408	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
153	75	57873	-270621.1413	84387.3170250766	39.18870818878603	-101.7538552	262154.9196234507	3414331.343518862	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
154	75	57874	-269961.1413	84387.3170250766	39.188726601022104	-101.7515277	262356.037	3414327.19098065	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
155	75	57875	-269301.1413	84387.3170250766	39.18874496830369	-101.7492002	262557.14769895026	3414323.214959052	3752	327.94470246267	3625.518480975039	3596.31302314795	3593.009257558836	29.205277660244064	32.5092324	32.5092324
156	75	57876	-268641.1413	84387.3170250766	39.18876329											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogs.fg	BR/ElevBoth.fg	SatThkLogs.f	SatThkBoth.f
241	75961	-122541.1413	843877.3170250766	39.19015637621903	-101.549032	279852.992667407	4340974.364477107	3527.9541638556193	3736.4347815247634	3406.924443997574	3417.715610109304	0	0	
242	75962	-121881.1413	843877.3170250766	39.19017063374715	-101.546704	280053.18697322452	4340970.51907856	3525.003972697124	3734.116722587901	3405.9120391898496	3411.122402570047	0	0	
243	75963	-121221.1413	843877.3170250766	39.19018534	-101.544378	280254.3810684277	4340968.518401	3522.1349266618891	3732.7968351843	3403.4789481755945	3408.435365917748	0	0	
244	75964	-120561.1413	843877.3170250766	39.19019960970256	-101.5420492	280465.7424336605	4340962.21903738	3519.347141010525	3739.475039	3401.612423031253	3405.6752826320517	0	0	
245	75965	-209901.1413	843877.3170250766	39.1902138095634	-101.5397216	280656.4687027051	4340958.171276642	3516.558352372253	3737.1505974175107	3399.6075380944258	3390.32633314452	0	0	
246	75966	-209241.1413	843877.3170250766	39.1902280274572	-101.537394	280857.5612522576	4340954.132426735	3513.77156730451	3736.8236190849543	3397.436374161994	3393.72393794295	0	0	
247	75967	-208681.1413	843877.3170250766	39.19024244	-101.5350665	281088.6553715972	4340950.0756399	3510.9847353732466	3736.4927834632194	3395.274608294473	3393.4027832421353	0	0	
248	75968	-207921.1413	843877.3170250766	39.1902564952525	-101.5327789	281259.2584022103	4340946.028265821	3508.1986819006397	3735.7015828901322	3393.042184	3379.754538621366	0	0	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SanTBothKrg.ft	
367	79	58087	-123981.1413	843877.3170250766	39.19162380114296	-121.2557504	38188.3339731362	340465.658	338.615902290681	3207.180577981017	3139.1795836975588	3140.1395634362937	60.0809429345846	67.0410245427331
368	79	58088	-12721.1413	843877.3170250766	39.1916255046663	-101.2534227	30538.4025570500	340461.832237299	335.968871021996	3206.66152327376	3138.577673148836	3138.577673148836	68.89073798	68.1184451776398
369	79	58089	-128651.1413	843877.3170250766	39.19164133883035	-121.251069	30569.0408971734	340457.498	333.521638761731	3206.127481	3138.48932903864	3137.922182770744	69.6881174892356	71.0852827
370	79	58090	-127401.1413	843877.3170250766	39.19165002402308	-101.2487764	305791.5391529758	340458.00562693	337.6748005843573	3205.6129909738706	3135.220436789208	3135.220436789208	69.9502729425265	69.95027272661312
371	79	58091	-126741.1413	843877.3170250766	39.19165866667783	-101.2464397	305992.6071644884	340449.55538131	3328.0116581932703	3204.988711412916	3134.093217696987	3134.259933774833	68.8954937132892	70.7287747543268
372	79	58092	-126081.1413	843877.3170250766	39.191667308161534	-101.244112	306193.674985451	340445.53129383	3325.332388259174	3204.283891334677	3134.214084682841	3133.026764436264	71.0740304456264	71.0740304456264
373	79	58093	-125421.1413	843877.3170250766	39.19167587468521	-101.2417843	306394.764760887	340441.50504943	3322.651311964723	3203.493728881726	3133.073717203317	3131.562033	70.62001178	71.9316992694908
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376	79	58096	-123441.1413	843877.3170250766	39.19170130450098	-101.234913	306957.94467763376	340429.43080398	3320.324107338854	3200.356249164727	3128.3711478337	3125.03485225254	71.913134008925	73.15216239485476
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389	79	58109	-114861.1413	843877.3170250766	39.19180692449077	-101.204619	309478.7968720747	340378.20879867	3265.219739816177	3173.05743160832	3107.05743160832	3107.05743160832	65.89181480142	65.89181480142
390	79	58110	-114201.1413	843877.3170250766	39.1918142659148	-101.2022317	309612.835135261	340373.10	3262.638788445246	3170.45338590175	3105.225911137813	3105.6774485237892	65.2274485237892	64.77607161929277
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395	79	58115	-110901.1413	843877.3170250766	39.19185239653006	-101.190619	310818.1628485951	340353.98511427	3263.963971671574	3157.373422745897	3097.2246311195022	3097.2246311195022	60.3486654245513	59.797197635798558
396	79	58116	-110241.1413	843877.3170250766	39.1918597528704	-101.1882478	311093.2461583401	340349.8757510105	3262.584577510105	3155.606053034969	3105.183764269055	3105.183764269055	60.03465965369	59.681176411092564
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398	79	58118	-108921.1413	843877.3170250766	39.19187542574795	-101.1835922	311421.3722104415	340340.396138735	3258.856149820627	3149.87903714469	3092.4810145159956	3092.4810145159956	56.4871662473524	56.4871662473524
399	79	58119	-108261.1413	843877.3170250766	39.19188282	-101.1812645	311622.3935	340336.915705055	3258.482165854228	3147.330631143325	3090.59259550374	3091.951592553386	56.404701592595054	55.41503461994125
400	79	58120	-107601.1413	843877.3170250766	39.19189017587916	-101.1789368	311823.4954369585	340332.895	3259.427691971289	3144.7393530547	3089.016397347372	3089.016397347372	54.18573570570356	54.18573570570356
401	79	58121	-106941.1413	843877.3170250766	39.19189748351958	-101.1768091	312029.686801408	340328.875373474	3260.372101284536	3142.268210171372	3087.46711657404	3089.264304040566	54.79149849	53.00374831101931
402	79	58122	-106281.1413	843877.3170250766	39.19190476191912	-101.1742814	312225.527129345	340324.854515757	3260.81672286517	3139.753422745897	3086.930471454968	3086.930471454968	53.9046518142704	53.9046518142704
403	79	58123	-105621.1413	843877.3170250766	39.1919119630727	-101.1718577	312426.5864135677	340322.9678376212	3262.9816175178474	3137.250237875903	3084.435329790307	3087.116893396516	52.8147052465992	50.13334485351424
404	79	58124	-104961.1413	843877.3170250766	39.19191913665234	-101.1696261	312627.7459753287	340316.816215429	3265.36185684035	3134.7919685013	3082.457318364145	3085.994291807166	52.771848567746	47.964697692926
405	79	58125	-104301.1413	843877.3170250766	39.19192626	-101.1672894	312828.807623439	340312.796853204	3267.12412450638	3132.8877633578	3081.216870374202	3081.216870374202	51.6303965137635	47.90489703505855
406	79	58126	-103641.1413	843877.3170250766	39.191933347290934	-101.1649707	313029.868087146	340308.776696525	3267.12236217131	3129.818237054161	3080.141466243016	3082.910130105452	49.687713601382575	46.9081068470879
407	79	58127	-102981.1413	843877.3170250766	39.19194038516444	-101.162643	313230.9368387109	340304.75864388	3271.58425149227	3127.371326171372	3078.680148109083	3078.680148109083	48.66611130646361	45.18244155583814
408	79	58128	-102321.1413	843877.3170250766	39.191947377077415	-101.1603153	313431.914465367	340300.79837784	3272.09950184979	3124.94517892684	3076.92573952977	3076.92573952977	48.020450969136	44.60348234
409	79	58129	-101661.1413	843877.3170250766	39.19195466930066	-101.1580014	313649.4183973869	340297.84945816	3272.687924945816	3122.71894459584	3075.6879297485277	3075.6879297485277	47.4879111092564	46.79111092564
410	79	58130	-101001.1413	843877.3170250766	39.19196122902163	-101.1556539	313834.113134962	340292.70271037	3273.148855415826	3120.144928430474	3074.113623240326	3076.68259619705	46.0336611060053	45.13334485351424
411	79	58131	-100341.1413	843877.3170250766	39.1919680750287	-101.1533322	314035.173663040	340288.6843964	3277.806831090					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKgr.ft	BRElevOrthKgr.ft	TopoDatElev.ft	SurfThkBottom
493	579	58213	-46221.14133	84387.3170250766	39.19237744366939	-100.9624599	305231.5371972016	4339959.791255718	3120.003148561429	2991.610348127568	2991.3160993114143	2872.632981121254	70.29424681615365	88.97112800031385
494	579	58214	-45561.14133	84387.3170250766	39.192380569934805	-100.9651327	311.008353083435	4339955.78752727	3116.000326992153	2970.73105627261	2967.8110114	2870.656963631923	70.01209563033264	86.06614563146698
495	579	58215	-40941.14133	84387.3170250766	39.1923611228305	-100.9637866	329932.526247664	4339951.784427664	3111.64507416443	2959.82647458997	2962.214034	2870.656963631923	73.51472345788395	85.64500891123651
496	579	58216	-44241.14133	84387.3170250766	39.1923668758146	-100.9650437	331124.67503475945	4339947.781280215	3106.91330077609	2959.015074867995	2983.69566396271	2969.655102785775	73.5194122072848	89.35967429070198
497	579	58217	-43581.14133	84387.3170250766	39.1923697896273	-100.963149	331270.7260544134	4339943.778	3102.181059920154	2958.188761	2880.656956139316	2865.0500610125347	73.51780504346847	93.13475144486358
498	579	58218	-42121.14133	84387.3170250766	39.19236623529595	-100.9508213	331526.7661013788	4339939.7518946	3107.4502190159423	2957.78185670545	2876.8921448785857	2865.83214308919	80.46040079168626	91.54600243126222
499	579	58219	-42261.14133	84387.3170250766	39.19239552684105	-100.9484839	331727.81377877663	4339935.77205004	3093.817419856056	2956.5818828089597	2873.455672788618	2866.078360109792	81.12731861009792	89.60365624084811
500	579	58220	-41601.14133	84387.3170250766	39.1923683338094	-100.9461658	331928.5856509639	4339931.7048848	3095.79673536123	2956.79673536123	2867.765091362123	2867.89129631953	80.036573436764	87.90745732165897
501	579	58221	-40941.14133	84387.3170250766	39.192401194873725	-100.9438891	332129.9014677989	4339927.76231049	3088.75190476812	2955.077667428536	2867.077667428536	2867.058533678265	81.18737353671264	87.96941427
502	579	58222	-40291.14133	84387.3170250766	39.1924036144832	-100.9415104	332350.9436617164	4339923.76512791	3086.21147722392	2954.266937348493	2866.118354043576	2865.489752594395	88.1507940810568	88.77362128054617
503	579	58223	-39621.14133	84387.3170250766	39.19240668306208	-100.9391828	332531.990900231	4339920.764225018	3083.90160974615	2953.519507768175	2864.620504950504	2863.993175905276	88.8934618076689	89.525788288932
504	579	58224	-38961.14133	84387.3170250766	39.192405971342	-100.9368549	332733.0354877244	4339915.76249921	3081.7994429343847	2952.776891956648	2867.53231934086	2867.026701056902	85.7501909074567	89.60365624084811
505	579	58225	-38601.14133	84387.3170250766	39.1924119914033	-100.9345272	332934.0797623217	4339911.7605258	3079.6877927458253	2952.0416048898714	2870.856562227894	2867.5527430513944	81.1855847681891	91.48886193756798
506	579	58226	-37641.14133	84387.3170250766	39.1924145781381	-100.9321995	333135.123802532	4339907.759828048	3077.595145751221	2951.31364530520417	2872.895306380772	2872.895306380772	78.34582854146956	78.417613321506
507	579	58227	-36981.14133	84387.3170250766	39.19241711989886	-100.9298717	333336.1638003326	4339903.758	3076.412088656458	2950.592754882757	2874.638276679537	2874.551004332466	75.95447830422381	76.0417506904136
508	579	58228	-36321.14133	84387.3170250766	39.19241196176041	-100.927544	333537.211694789	4339899.75176883	3076.14812083501	2949.8007	2876.584403210922	2876.517001648832	73.2950404	73.36330511448929
509	579	58229	-35661.14133	84387.3170250766	39.19242206848574	-100.9252163	333728.2553470433	4339896.75640458	3075.8814804581	2949.176508	2879.536228442257	2879.53728405871	73.2950404	69.839217663493
510	579	58230	-35001.14133	84387.3170250766	39.192442475431224	-100.9228888	333939.298370152	4339887.758186625	3075.607881774152	2948.48128827129	2883.436633897193	2883.494437830285	69.646539409073	64.9864518880054
511	579	58231	-34341.14133	84387.3170250766	39.192426837352436	-100.9205608	334140.324164905	4339887.75400595	3074.478356292272	2947.793667751205	2887.79239691589	2887.79239691589	59.601469843351595	59.7592477128503
512	579	58232	-33681.14133	84387.3170250766	39.1924195431219	-100.9182331	334341.3853091376	4339883.75097217	3072.458367	2947.11923571787	2892.050874605801	2892.232698994940	56.0629175137778	54.89025245767925
513	579	58233	-33021.14133	84387.3170250766	39.19159054	-100.9159054	334542.4283524884	4339879.7549715135	3070.43929426109784	2946.407140292473	2895.66142439983	2895.831035028518	50.77928035008258	50.6091831852554
514	579	58234	-32361.14133	84387.3170250766	39.1923635347265	-100.913577	334743.471178149	4339875.75052431	3068.419121067084	2945.743659594824	2897.994766691593	2898.127997685072	47.64637176077124	47.0184115481095
515	579	58235	-31701.14133	84387.3170250766	39.192401190536	-100.9108698	334959.81685716	4339871.75231051	3066.871253631744	2941.280437696533	2904.24708965454	2904.24708965454	45.852140726817728	45.852140726817728
516	579	58236	-31041.14133	84387.3170250766	39.19243775236425	-100.909222	335145.5563802506	4339867.75650338	3065.224662820474	2944.59581516246	2899.923687236297	2901.212055454163	43.5361472954856	44.2475508789258
517	579	58237	-30381.14133	84387.3170250766	39.192400468877	-100.9059485	335346.598739429	4339863.75624309	3063.76820707338	2943.810229777684	2900.439281037873	2900.738219815938	43.07101916862958	43.07101916862958
518	579	58238	-29721.14133	84387.3170250766	39.19242111879636	-100.9042668	335547.604038977	4339859.7507068	3062.311739	2943.165310768438	2901.58233916787	2901.2030928781196	42.249487375959	41.9622179
519	579	58239	-29061.14133	84387.3170250766	39.1924411410897	-100.901939	335748.682775636	4339855.75748051	3061.061156853369	2942.528027411246	2901.69574477049	2901.830667636627	40.89176004974764	40.89176004974764
520	579	58240	-28401.14133	84387.3170250766	39.192446071376835	-100.8996113	335949.724559163	4339851.759058586	3059.95145242556	2941.8911471023653	2902.736479331654	2902.7226490217754	39.14584977011315	39.14584977011315
521	579	58241	-27741.14133	84387.3170250766	39.192447767836	-100.8973868	336194.768381271	4339847.76381271	3058.871253631744	2941.280437696533	2904.24708965454	2904.24708965454	37.0184115481095	37.0184115481095
522	579	58242	-27081.14133	84387.3170250766	39.192401190536	-100.8949558	336459.81685716	4339843.75102806	3057.871253631744	2941.280437696533	2907.122801380614	2907.122801380614	35.50941314895317	35.50941314895317
523	579	58243	-26421.14133	84387.3170250766	39.19245167	-100.8926281	336552.8496351587	4339839.76344899	3056.402418713983	2940.004211446437	2901.58955579314	2901.466781487678	34.24072555707283	34.24072555707283
524	579	58244	-25761.14133	84387.3170250766	39.19245345083224	-100.8903004	336733.89077099046	4339835.765313097	3054.988410130653	2939.37478229156	2917.340737850614	2917.340737850614	32.20210596661704	32.20210596661704
525	579	58245	-25101.14133	84387.3170250766	39.1924551833935	-100.8879727	336954.9318512016	4339831.767	3053.981453204274	2938.742963606216	2923.820163806413	2923.820163806413	30.146279965420873	30.146279965420873
526	579	58246	-24441.14133	84387.3170250766	39.19245687079235	-100.8856449	337155.9727240024	4339827.769502214	3051.363740740293	2938.1069054583063	2929.86405157049	2929.86405157049	28.42220931257476	28.42220931257476
527	579	58247	-23781.14133	84387.3170250766	39.19245851329605	-100.8833172	337357.0135347917	4339823.77193114	3050.481783411208	2937.4633349498	2934.7632303873	2934.7632303873	27.1012056524735	27.1012056524735
528	579	58248	-23121.14133	84387.3170250766	39.1924601190536	-100.8810898	337559.81685716	4339819.774	3049.771253631744	2937.122801380614	2937.122801380614	2937.122801380614	25.50941314895317	25.50941314895317
529	579	58249	-22461.14133	84387.3170250766	39.19246163519605	-100.8786618	337759.949839635	4339817.71171567	3048.73822112705	2936.1438262105703	2937.193357570594	2937.822542094668	0	0
530	579	58250	-21801.14133	84387.3170250766	39.19246317117227	-100.876334	337960.13487115584	4339811.708011035	3045.345242898477	2935.458233700834	2933.0159189927467	2932.859676157927	2.42314273366635	2.985957112564135
531	579	58251	-21141.14133	84387.3170250766	39.1924645386341	-100.8740063	338161.175000358	4339807.78028163	3044.603101456154	2934.77508440544	2929.5472683779394	2929.21472330069	0.53399754376245	0.53399754376245
532	579	58252	-20481.14133	84387.3170250766	39.19246605159302	-100.8716786	338362.2148717736	4339803.786330743	3043.638994591454	2934.01020890136	2929.4145547300283	2929.4735551782387	4.595464517897108	4.595464517897108
533	579	58253	-19821.14133	84387.3170250766	39.19246742436109	-100.8693508	338563.2547856123	4339799.789756832	3042.3344887662325	2933.2344887662325	2929.42191726783	2929.991681726783	3.4249338199778784	3.4249338199778784
534	579	58254	-19161.14133	84387.3170250766	39.1924685215763	-100.8670231	338764.294	4339795.79350422	3041.710748511726	2932.414884786776	2929.4849897913237	2929.5134087365954	3.68011006614104	3.68011006614104
535	579	58255	-18501.14133	84387.3170250766	39.1924696190536	-100.8647368	338969.81685716	4339791.774	3040.771253631744	2931.638951127452	2929.4849897913237	2929.4849897913237	3.11780511564915	3.11780511564915
536	579	58256	-17841.14133	84387.3170250766	39.1924717289056	-100.8623677	339166.73238507	4339787.80110076	3039.678394366201	2930.6175055251783	2931.5787091	2931.616557047198	14.73685973966376	13.70024750090346
537	579	58257	-17181.14133	84387.3170250766	39.19247247	-100.8600399	339367.4124692447	4339783.80526138	3037.29806					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogsKrg.ft	SatHBoth.ft	
619	79	58339	39638.8586770335	34.8377 31.70250766	39.19247128120357	-100.6691662	555852.1119232981	4339456.747532012	2906.455994767402	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
620	79	58340	39758.8586770335	34.8377 31.70250766	39.19247142316988	-100.6683383	556053.138910771	4339452.76636847	2907.621165734374	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
621	79	58341	39868.8586770335	34.8377 31.70250766	39.1924715691142	-100.6675044	556264.1655909043	4339448.78176181	2908.783367612373	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
622	79	58342	39918.8586770335	34.8377 31.70250766	39.19247170625934	-100.6662183	556483.192167342	4339440.80537078	2909.95015078	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
623	79	58343	39978.8586770335	34.8377 31.70250766	39.1924718588854	-100.6650553	556664.218637394	4339440.83430611	2910.22469050027	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
624	79	58344	40038.8586770335	34.8377 31.70250766	39.192471317521	-100.6575276	556875.2446081174	4339438.82484174	2910.605246168796	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
625	79	58345	40098.8586770335	34.8377 31.70250766	39.19247137462455	-100.6551998	557058.2721	4339432.863	2910.980776912477	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
626	79	58346	40158.8586770335	34.8377 31.70250766	39.19239856487256	-100.6528271	557259.2927131798	4339428.83	2910.3682715073282	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
627	79	58347	40218.8586770335	34.8377 31.70250766	39.1923971119066	-100.6505544	557460.32312814187	4339424.3037126215	2910.298922252981	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
628	79	58348	40278.8586770335	34.8377 31.70250766	39.19239211261265	-100.6482167	557661.3489	4339420.93426596	2910.77807128147	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
629	79	58349	40338.8586770335	34.8377 31.70250766	39.19238969012366	-100.6458889	557862.374534874	4339416.934364065	2910.42546033034	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
630	79	58350	40398.8586770335	34.8377 31.70250766	39.1923868057097	-100.6435612	558063.4001443309	4339412.9645458	2910.277004768393	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
631	79	58351	40458.8586770335	34.8377 31.70250766	39.19238341708765	-100.6412335	558264.425058854	4339408.952373395	2910.426511469931	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
632	79	58352	40518.8586770335	34.8377 31.70250766	39.192380768517	-100.6389058	558465.4507348565	4339405.00619471	2910.58264657728	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
633	79	58353	40578.8586770335	34.8377 31.70250766	39.19237764530076	-100.6365781	558666.4785240403	4339401.027238893	2910.7391694537	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
634	79	58354	40638.8586770335	34.8377 31.70250766	39.1923747695384	-100.6342503	558867.5007763094	4339397.04863943	2910.12511679184	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
635	79	58355	40698.8586770335	34.8377 31.70250766	39.19237183646116	-100.6319228	559068.5255918884	4339393.010127027	2910.28744502304064	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
636	79	58356	40758.8586770335	34.8377 31.70250766	39.1923690537704	-100.6295949	559269.5502709434	4339389.091791075	2910.781694392499	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
637	79	58357	40818.8586770335	34.8377 31.70250766	39.192367	-100.6272672	559470.574813675	4339385.113631665	2910.874573660012	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
638	79	58358	40878.8586770335	34.8377 31.70250766	39.1923631335481	-100.6249394	559671.5992023386	4339381.153648025	2910.7939427143739	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
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640	79	58360	40998.8586770335	34.8377 31.70250766	39.192356236723	-100.620284	560073.6472618986	4339373.17021172	2910.3671025044314	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
641	79	58361	41058.8586770335	34.8377 31.70250766	39.192352781942	-100.6179584	560274.762579193	4339369.202760181	2910.298922252981	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
642	79	58362	41118.8586770335	34.8377 31.70250766	39.192349711574326	-100.6156286	560475.694591103	4339365.224833923	2910.7810092675193	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
643	79	58363	41178.8586770335	34.8377 31.70250766	39.19234683575895	-100.6133008	560676.7192396446	4339361.248383923	2910.26246675318574	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
644	79	58364	41238.8586770335	34.8377 31.70250766	39.19234032661613	-100.6109731	560877.7428137464	4339357.271	2910.85532066523984	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
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646	79	58366	41358.8586770335	34.8377 31.70250766	39.19233294981275	-100.6063217	561279.7895872527	4339349.14134882	2910.2684566238	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
647	79	58367	41418.8586770335	34.8377 31.70250766	39.1923291969911	-100.603989	561480.8127897305	4339345.1759005	2910.85532066523984	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
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655	79	58375	41898.8586770335	34.8377 31.70250766	39.19229775514545	-100.5853832	563088.993591629	4339313.53664538	2910.5118086	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
656	79	58376	41958.8586770335	34.8377 31.70250766	39.1922933811964	-100.5830045	563290.01501084	4339309.56214938	2910.445326519578	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
657	79	58377	42018.8586770335	34.8377 31.70250766	39.1922891566351	-100.5807128	563491.0373607956	4339305.5872044	2910.37659619	120.387412317606	2738.298077636532	2748.7179371504467	12.1060453595282	61.66945716715936
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662	79	58382	42318.8586770335	34.8377 3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
5	80	58465	-368301.1413	844537.3170250766	39.1873002684819	-102.0983414	232391.0409652114	432436.167	397.7110300514805	3775.4048997963673	3773.79302421374854	3773.79302421374854	69.2487960298741	69.2487960298741
6	80	58466	-367641.1413	844537.3170250766	39.1872520525413	-102.096014	232562.5620243875	432132.076	404.2360928730783	3841.7843221453933	3772.9753492578084	3771.3054891258993	68.8089728813904	70.4748320040042
7	80	58467	-366981.1413	844537.3170250766	39.18735011321066	-102.0936967	232793.712811968	432127.984019384	403.6853115016165	3840.341969893422	3771.2383989811897	3761.188989915228	71.01191400145942	71.01191400145942
8	80	58468	-366321.1413	844537.3170250766	39.18737508911738	-102.0913953	232984.8634385452	432178.932123804	402.0705623974983	3835.8924432532967	3768.8104041693064	3767.090635702834	70.00203009307	71.8017605
9	80	58469	-365661.1413	844537.3170250766	39.18740001997455	-102.089032	233196.01361066638	432119.02802288	402.4271677483066	3837.437828743824	3766.987515375542	3765.642467735816	70.4503136828197	71.79535197022434
10	80	58470	-365001.1413	844537.3170250766	39.18742405882004	-102.0867046	233397.1369053072	432115.71652488	419.7890690217	3835.9737856672955	3766.052278600569	3764.736732722147	70.902170672647	71.24101339164846
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13	80	58473	-363021.1413	844537.3170250766	39.1874992380577	-102.0797226	234005.612021088	432108.62011584	3841.369510077646	3831.569871360224	3765.1314536801765	3764.759369602815	66.82087769894266	66.82087769894266
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28	80	58488	-353121.1413	844537.3170250766	39.18786516575736	-102.0448121	237017.8155366274	432042.10943318	3988.95057594473	3808.520478372805	3744.88937001645	3743.521214949227	63.6311067105342	63.7466258789047
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32	80	58492	-350481.1413	844537.3170250766	39.18796103491596	-102.0355028	237822.39712191757	432025.761	3988.49158000121	3802.261655599888	3740.420409942643	3741.4837288104854	63.78124565734242	63.78124565734242
33	80	58493	-349821.1413	844537.3170250766	39.1879895128035	-102.033273	238023.61084845	432021.67939994	3988.4176	3800.818256258538	3739.6644819677844	3741.4837288104854	63.810214034313	63.810214034313
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37	80	58497	-347181.1413	844537.3170250766	39.18807893424166	-102.0238656	238828.1143582373	432005.33074462	3964.96478290991	3734.30042795599	3695.190825158876	3695.190825158876	63.902622411133	64.02623502155639
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44	80	58504	-342561.1413	844537.3170250766	39.188244281349505	-102.0075739	240236.1076168742	431976.73462518	3945.674025061514	3723.430879530233	3671.3613652590086	3680.366999082	65.1718433092466	65.1718433092466
45	80	58505	-341901.1413	844537.3170250766	39.1882679398869	-102.0052465	240437.2484790738	431972.63042373	3943.138673401966	3721.906281239473	3689.1662501298457	3682.2636241737834	63.24509229844594	63.24509229844594
46	80	58506	-341241.1413	844537.3170250766	39.1882906167655	-102.0029191	240638.3980351935	431968.564063456	3941.72245376792	3720.388349569376	3674.92224690575	3684.68915000336	63.16021590062021	63.135194966
47	80	58507	-340581.1413	844537.3170250766	39.1883146193015	-101.999672	240836.5296404028	431964.319873394	3940.49119873394	3719.648419873394	3674.23419873394	3674.23419873394	63.135194966	63.135194966
48	80	58508	-339921.1413	844537.3170250766	39.188337261198075	-101.996243	241040.6692234792	431960.38167833	3937.83506930068	3717.394101029904	3673.96746490396	3702.996845401	63.131726393496	63.7880454704035
49	80	58509	-339261.1413	844537.3170250766	39.18836035031636	-101.9935038	241241.8093563408	431956.31431662	3935.884975421104	3715.87876504656	3674.50586664313	3731.09351474609	63.1281783912534	63

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRELEVLogKgr.f	BRELEVBothKgr.f	SatHtLogKgr.f	SatHtBoth.f	
131	80	58591	-28541.1413	844537.3170250766	39.190140313580136	-101.8050846	257734.4217961977	34141622.071256895	3695.4767717151073	319.5653144503408	3595.580496256508	3599.684874932254	39.8481824654118	19.785385180505168
132	80	58592	-28484.1413	844537.3170250766	39.19012315298135	-101.8027571	257935.5410356217	341618.00263017	3690.944787173217	318.180874225329	3597.358696126268	3600.806358383437	39.8217699062057	17.37454041685144
133	80	58593	-28432.1413	844537.3170250766	39.1901432726128	-101.8004266	258136.660353517	341618.31484812	3686.412786393137	316.632625104864	3599.445233371566	3604.177172783077	39.8332266970518	12.64900378584391
134	80	58594	-28416.1413	844537.3170250766	39.1901263836956	-101.7981021	258337.7787961548	341601.8956951893	3681.880783889513	315.4970503385975	3600.504732761164	3605.971949818348	39.849231757748117	9.625055356759276
135	80	58595	-28250.1413	844537.3170250766	39.19018165072293	-101.7957745	258538.897301768586	341605.797834101	3677.602244050041	314.189726049427	3597.482541	3604.6517287463585	39.870185017357006	5.935979438568751
136	80	58596	-28184.1413	844537.3170250766	39.19020072621325	-101.793447	258740.01960530461	341601.793093054	3673.577077772865	316.20120129	3592.2949074362477	3600.554955499549	39.880630197202282	12.344253914900946
137	80	58597	-28181.1413	844537.3170250766	39.19022049564798	-101.7911195	258941.13364423232	341597.66220235	3669.551935003718	311.627797767776	3586.834958954589	3597.717677622096	39.8907717318569	13.91028954754262
138	80	58598	-28052.1413	844537.3170250766	39.19022918	-101.788719	259142.25144967137	341593.948665042	3661.359048627386	310.36590590077	3581.592248243367	3594.855971680172	39.91059054229812	15.50990548229812
139	80	58599	-27986.1413	844537.3170250766	39.190226588658	-101.7864464	259343.969165267	341598.527303505	3659.1107141058	309.533215230737	3581.37719678988	3591.37719678988	39.9276567168018	17.3287467612748
140	80	58600	-27920.1413	844537.3170250766	39.1902731056485	-101.7841389	259544.4484350418	341588.460122584	3659.370254769525	307.854678089216	3570.956534118044	3584.73433515214	39.93824197172721	23.140358774607426
141	80	58601	-27854.1413	844537.3170250766	39.19023663787996	-101.7818094	259745.6034371078	341581.93122615	3656.6226383889	306.592407830667	3565.402769689763	3578.265112023074	39.94189381400421	28.3272958029664
142	80	58602	-27788.1413	844537.3170250766	39.19031525995601	-101.7794818	259946.7202906438	341577.226	3653.86603308185	305.218232187675	3560.4619060391583	3559.5501110375512	39.954880214850919	35.76272115011625
143	80	58603	-27722.1413	844537.3170250766	39.19033417	-101.7771543	260147.8386961768	341573.25966416	3653.407423924919	304.0209091114498	3557.31596858511263	3556.054650553247	39.97287453914900946	41.97287453914900946
144	80	58604	-27656.1413	844537.3170250766	39.19033024926355	-101.7748268	260348.9352855138	341569.19206676	3655.247017329426	302.644830746173	3557.1836029044093	3559.013589255785	39.9845601763555	43.6309128059437
145	80	58605	-27590.1413	844537.3170250766	39.19037184672885	-101.7724992	260550.0964272952	341568.12699438	3657.089575503918	301.241766190918	3559.487704676899	3558.306178147085	39.991736512022738	40.84395004885124
146	80	58606	-27524.1413	844537.3170250766	39.1903961907565	-101.7701717	260751.1853220098	341561.060832893	3658.9212386824	300.68528127746	3562.725714333438	3563.241987851573	39.9963699440223	36.4432012458072
147	80	58607	-27458.1413	844537.3170250766	39.19040395	-101.7678441	260952.3010047673	341556.994917033	3655.932742769084	299.828343775548	3568.050416799297	3566.4167380870157	39.9976299052527	31.61070051832265
148	80	58608	-27392.1413	844537.3170250766	39.19042802890356	-101.7655166	261153.4164331016	341552.929	3648.119813386716	306.2298233028	3568.8347947454304	3569.2226775759782	39.99871512143397	37.99871512143397
149	80	58609	-27326.1413	844537.3170250766	39.1904466663844	-101.7631891	261354.5316279108	341548.864	3640.253252934537	304.2643836079696	3570.1314273239705	3570.256405579226	39.9992430639919	24.00778032047048
150	80	58610	-27260.1413	844537.3170250766	39.1904452890975	-101.7608615	261555.64658748178	341548.794283495	3632.485126866534	302.161882296653	3569.216135589779	3568.96625	39.9992430639919	23.196531921430393
151	80	58611	-27194.1413	844537.3170250766	39.19048381	-101.758534	261765.76131123104	341540.733600474	3627.1962115017323	300.942181292407	3568.29530397394	3568.1069200590594	39.9992430639919	21.77316034613565
152	80	58612	-27128.1413	844537.3170250766	39.1905035090425	-101.756204	261957.8757956202	341536.636804768	3624.5302159019304	300.942181292407	3567.120092747275	3567.120092747275	39.9992430639919	20.5748910886947
153	80	58613	-27062.1413	844537.3170250766	39.19052365837864	-101.7538768	262159.6367632065	341532.03205817	3621.358989565966	300.942181292407	3566.132401981737	3566.132401981737	39.9992430639919	19.3378970871667
154	80	58614	-26996.1413	844537.3170250766	39.19053179456304	-101.7515153	262390.104059523	341528.539	3618.91438258135	300.942181292407	3565.402769689763	3565.402769689763	39.9992430639919	18.143043355642242
155	80	58615	-26930.1413	844537.3170250766	39.1905575427408	-101.7492238	262561.2178520996	341524.470493892	3616.745278610528	300.942181292407	3564.549451233689	3564.549451233689	39.9992430639919	17.1625018204943
156	80	58616	-26864.1413	844537.3170250766	39.19057586996096	-101.7468962	262762.331399809	341520.4098039735	3615.190277949157	300.942181292407	3563.192731866866	3563.192731866866	39.9992430639919	16.146984316241515
157	80	58617	-26798.1413	844537.3170250766	39.190584147832435	-101.7445687	262963.44711292815	341516.346	3613.952327341919	300.942181292407	3561.375868745158	3561.375868745158	39.9992430639919	15.142589526381675
158	80	58618	-26732.1413	844537.3170250766	39.19061238071303	-101.7422411	263164.2517916594	341512.2817657925	3612.015626703526	300.942181292407	3560.287704411505	3560.287704411505	39.9992430639919	14.146984316241515
159	80	58619	-26666.1413	844537.3170250766	39.19063059837864	-101.7398136	263365.670632065	341508.218017807	3609.346959	300.942181292407	3559.246217458027	3559.246217458027	39.9992430639919	13.146984316241515
160	80	58620	-26600.1413	844537.3170250766	39.19064871151595	-101.7373788	263566.783547483	341504.785417967	3607.585231714126	300.942181292407	3558.2005123555	3558.2005123555	39.9992430639919	12.146984316241515
161	80	58621	-26534.1413	844537.3170250766	39.19066860962914	-101.7352585	263767.8957235456	341500.010609095	3606.8251261973	300.942181292407	3557.336605515003	3557.336605515003	39.9992430639919	11.146984316241515
162	80	58622	-26468.1413	844537.3170250766	39.1906864268647	-101.7329309	263969.070667757	341496.027854631	3605.9105657212573	300.942181292407	3556.81208574376	3556.81208574376	39.9992430639919	10.146984316241515
163	80	58623	-26402.1413	844537.3170250766	39.1907028707893	-101.7306304	264170.1197664233	341491.965	3605.01963590007	300.942181292407	3556.289683869224	3556.289683869224	39.9992430639919	9.146984316241515
164	80	58624	-26336.1413	844537.3170250766	39.19072083393455	-101.7282758	264371.2134535406	341487.90183422	3604.68947243283	300.942181292407	3555.77738255607	3555.77738255607	39.9992430639919	8.146984316241515
165	80	58625	-26270.1413	844537.3170250766	39.19073875212302	-101.7259842	264572.2429	341483.93818983	3603.39518778759	300.942181292407	3555.256587881938	3555.256587881938	39.9992430639919	7.146984316241515
166	80	58626	-26204.1413	844537.3170250766	39.1907562535657	-101.7236727	264774.451081213	341479.77854312	3602.746217458027	300.942181292407	3554.746217458027	3554.746217458027	39.9992430639919	6.146984316241515
167	80	58627	-26138.1413	844537.3170250766	39.19077445	-101.721381	264974.715430077	341475.715430077	3601.79057408662	300.942181292407	3554.2464369428	3554.2464369428	39.9992430639919	5.146984316241515
168	80	58628	-26072.1413	844537.3170250766	39.19079223695555	-101.7189565	265175.678327199	341471.652407707	3600.7316421309155	300.942181292407	3554.7393817721663	3554.7393817721663	39.9992430639919	4.146984316241515
169	80	58629	-26006.1413	844537.3170250766	39.19080997532093	-101.716638	265376.7863467183	341467.504562029	3600.477466973037	300.942181292407	3554.241704932517	3554.241704932517	39.9992430639919	3.146984316241515
170	80	58630	-25940.1413	844537.3170250766	39.19082766873017	-101.7143104	265577.9686278925	341463.528731062	3600.31283002522	300.942181292407	3554.7489347545065	3554.7489347545065	39.9992430639919	2.146984316241515
171	80	58631	-25874.1413	844537.3170250766	39.19084531718326	-101.7119829	265779.0069791377	341459.467121632	3600.1739057046858	300.942181292407	3554.290989838282	3554.290989838282	39.9992430639919	1.146984316241515
172	80	58632	-25808.1413	844537.3170250766	39.1908625068012	-101.709653	265980.116497969	341455.405720007	3600.1515420635235	300.942181292407	3554.7738934120486	3554.7738934120486	39.9992430639919	0.146984316241515
173	80	58633	-25742.1413	844537.3170250766	39.19088098281812	-101.7073818	266187.84362528	341451.438628678	3600.132401981737	300.942181292407	3554.7738934120486	3554.7738934120486	39.9992430639919	-0.146984316241515
174	80	58634	-25676.1413	844537.3170250766	39.1908979820514	-101.7050051	266382.3354419002	341447.283400582	3600.106526466234	300.942181292407	3554.7738934120486	3554.7738934120486	39.9992430639919	-1.146984316241515
175	80	58635	-25610.1413	844537.3170250766	39.19091541832314	-101.7026728	266583.4466274088	341443.22600516	3600.7772					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThkLog.ft	SatThkBoth.ft	
257	80	58717	-201981.1413	844537.3170250766	39.1921489890903	-101.5118082	283073.6268036344	341110.845623493	3429.269033793934	3340.834745068262	3368.598457406557	3358.4949683885867	0
258	80	58718	-201321.1413	844537.3170250766	39.1922063663939	-101.5094806	283274.7170505143	341106.799791124	3430.4841999630432	3338.46358045322	3365.430258638459	3353.071916080746	0
259	80	58719	-199361.1413	844537.3170250766	39.19222353903114	-101.483187	284662.346289017	341107.843424626	3431.951924122493	3338.2947940490954	3361.01720717183	3345.50806462374	0
260	80	58720	-200001.1413	844537.3170250766	39.1922397625999	-101.504523	283676.8982153232	341108.704090299	3387.33120694288424	3371.110285339356	3354.1740556744	0	
261	80	58721	-199341.1413	844537.3170250766	39.19224957853208	-101.5024976	283877.98820506234	341109.6163085241	3437.13207878146	3331.3216632508334	3353.4279548854934	3371.6440514721877	0
262	80	58722	-198681.1413	844537.3170250766	39.1923133584528	-101.5001699	284070.9170037	341104.617900327	3485.929370169792	3330.289114601073	3327.4256334451703	3327.4256334451703	1.4982681687911281
263	80	58723	-198021.1413	844537.3170250766	39.19227664819963	-101.4879423	284280.167680533	341108.572895258	3485.5867738016186	3326.519276345975	3346.336305491345	3321.6028679197163	0
264	80	58724	-197361.1413	844537.3170250766	39.19229011559509	-101.4955146	284481.2510767655	341108.30009620709	3488.103000626023	3324.108358446676	3327.34745948155797	3319.12132437348	4.937263023382475
265	80	58725	-196701.1413	844537.3170250766	39.19230353903114	-101.483187	284662.346289017	341107.843424626	3431.951924122493	3338.2947940490954	3361.01720717183	3345.50806462374	6.36899662877807
266	80	58726	-196041.1413	844537.3170250766	39.19231691550919	-101.490593	284883.452317781	341107.843424626	3437.135475262347	3319.27006765261	3335.353681917554	3311.220966244066	8.049171328544958
267	80	58727	-195381.1413	844537.3170250766	39.19232304802777	-101.4885316	285084.52399118827	341107.394672083	3437.624777106397	3316.841862098897	3331.490854903058	3306.72276171651	10.06958582724126
268	80	58728	-194721.1413	844537.3170250766	39.1923433558738	-101.486204	285285.612538776	341106.35675329	3488.017375931813	3314.406642090814	3327.435065907903	3302.163285739066	12.24281671174731
269	80	58729	-194061.1413	844537.3170250766	39.19235678187936	-101.4838763	285486.7008746547	341106.30661172	3485.08748809798394	3311.965386457329	3324.235855234298	3297.579342282556	14.38565217477526
270	80	58730	-193401.1413	844537.3170250766	39.19237097582946	-101.4815487	285687.789	341108.26294808	3489.011856569596	3309.5197	3321.0257444124496	3293.215608715484	16.30128635486045
271	80	58731	-192741.1413	844537.3170250766	39.19238312851189	-101.479221	285888.68912128825	341105.421932829	3489.631956996236	3307.5197293956	3321.6448781309575	3287.68895030311	18.39234604008676
272	80	58732	-192081.1413	844537.3170250766	39.19239623623522	-101.476983	286089.964146224	341105.175941426	3490.412201080913	3304.621009201306	3313.836421081671	3284.085277173254	20.53573148990174
273	80	58733	-191421.1413	844537.3170250766	39.1924059899941	-101.474567	286291.051006406	341104.132734396	3491.191642590896	3302.707980357082	3309.991798503303	3283.09149389338	20.91744436307112
274	80	58734	-190761.1413	844537.3170250766	39.19242316804496	-101.472238	286492.139386467	341104.0208971029	3491.9710841089463	3299.722306976996	3306.1292059047937	3279.632914	20.0893923790664
275	80	58735	-190101.1413	844537.3170250766	39.192435289650376	-101.4699103	286693.226457467	341104.0648596155	3493.26325921661	3297.27830860653	3302.296266831607	3287.4076924063	14.87038682496045
276	80	58736	-189481.1413	844537.3170250766	39.1924481753707	-101.4675827	286894.3313174447	341103.040191851	3494.681197179634	3294.638000803705	3298.395793919718	3289.67439335955	5.162576049774998
277	80	58737	-188781.1413	844537.3170250766	39.19246110464635	-101.465255	287095.399967645	341102.961703827	3496.870367193057	3292.3994858755445	3294.468431570137	3297.308592393256	0
278	80	58738	-188121.1413	844537.3170250766	39.1924735843273	-101.4629273	287296.4964805946	341102.915395533	3498.76579526407	3289.965512531547	3290.4942217003713	3304.623344983501	10.39903275129473
279	80	58739	-187461.1413	844537.3170250766	39.1924851441816	-101.460389	287497.603339645	341102.974604514	3499.58914624756	3289.1021621414042	3279.269227784017	3293.692927784017	1.0864361185669335
280	80	58740	-186801.1413	844537.3170250766	39.192497949131	-101.458272	287698.6586031975	341107.835318116	3498.534082091622	3285.1431889773294	3282.370779259367	3307.387892	2.772490179613655
281	80	58741	-186141.1413	844537.3170250766	39.1925121826161	-101.4559443	287899.744725832	341101.733859576	3494.5043740385568	3282.755995426013	3278.386113748948	3307.16604583096	4.868981631
282	80	58742	-185481.1413	844537.3170250766	39.1925248071259	-101.4536166	288100.83007587446	341100.751956941	3492.47347785542	3280.391353157823	3274.149917205157	3297.260964161369	6.214435952665597
283	80	58743	-184821.1413	844537.3170250766	39.19253673888418	-101.4512889	288301.914703986	341100.59197397	3489.606410506024	3278.053174147638	3269.888517220174	3305.300706693947	8.164622425625054
284	80	58744	-184161.1413	844537.3170250766	39.19255002	-101.4489813	288503.000653969	341100.669319743	3485.901762200717	3275.7459097107717	3265.34687695642	3300.0730271174	10.39903275129473
285	80	58745	-183601.1413	844537.3170250766	39.1925625454919	-101.446638	288704.063339645	341100.59197397	3489.606410506024	3275.7459097107717	3265.34687695642	3300.0730271174	10.39903275129473
286	80	58746	-182941.1413	844537.3170250766	39.19257502364256	-101.444359	288905.1700341604	341100.59197397	3489.606410506024	3275.7459097107717	3265.34687695642	3300.0730271174	10.39903275129473
287	80	58747	-182181.1413	844537.3170250766	39.192587456976426	-101.4419782	289106.2546491935	341099.54670631	3475.373273671615	3269.0311246153	3262.884587873617	3265.6469495601	11.7632658772105
288	80	58748	-181521.1413	844537.3170250766	39.1925994535699	-101.4396056	289307.339186392	341098.506194245	3472.723888140611433	3247.9429602281343	3288.269659839218	18.9902358293973	0
289	80	58749	-180861.1413	844537.3170250766	39.19261218877186	-101.4373229	289508.4235664803	341098.54862517	3470.1280526145147	3246.8588710775516	3284.2734781809717	3288.242367299886	21.151029267834474
290	80	58750	-180201.1413	844537.3170250766	39.19262448722719	-101.4349952	289709.507037502	341097.426	3467.5232170895654	3262.8448007831544	3240.041731138299	3286.45680687039	22.8030694485544
291	80	58751	-179541.1413	844537.3170250766	39.19263674072296	-101.4326875	289910.755251234	341097.338573738	3463.811919626023	3260.8720242052684	3234.205102836524	3283.067135429763	26.99212956542972
292	80	58752	-178881.1413	844537.3170250766	39.19264814141816	-101.430398	290111.6746035728	341099.5459154	3459.99142604756	3259.1021621414042	3279.269227784017	3293.692927784017	42.3788878584949
293	80	58753	-178221.1413	844537.3170250766	39.19266111283576	-101.4280122	290312.7580784896	341095.363391951	3452.119094250929	3257.2197073478264	3263.2623684067047	3283.067135429763	46.67257891808634
294	80	58754	-177561.1413	844537.3170250766	39.19267323145271	-101.4256485	290513.8419017056	341096.126899356	3449.352341568073	3255.490689355726	3219.1479719102854	3268.943907931504	36.34800970258719
295	80	58755	-176901.1413	844537.3170250766	39.1926853011004	-101.4233568	290714.9240957324	341095.22684341	3444.138856441	3251.903294051331	3215.911943148178	3257.87009727339	37.34090630213486
296	80	58756	-176241.1413	844537.3170250766	39.1926973380768	-101.4210291	290916.067956675	341095.18856991	3443.5314455404	3252.289417430433	3214.019965438862	3242.256131899184	41.23945199157016
297	80	58757	-175581.1413	844537.3170250766	39.19270931754562	-101.4187014	291171.0892786154	341094.91657178	3442.924034650745	3250.808688707638	3208.90714714262154	3245.91724582625	24.865887217705872
298	80	58758	-174921.1413	844537.3170250766	39.1927215623086	-101.4163377	291318.176	341094.91657178	3442.924034650745	3250.808688707638	3208.90714714262154	3245.91724582625	24.865887217705872
299	80	58759	-174261.1413	844537.3170250766	39.19273379545916	-101.413989	291514.9240957324	341095.22684341	3444.138856441	3251.903294051331	3215.911943148178	3257.87009727339	37.34090630213486
300	80	58760	-173601.1413	844537.3170250766	39.1927459900172	-101.4117184	29170.335344002	341093.370408236	3420.37117787598	3248.64102320526	3208.42891863293	3207.148913	44.71570638238585
301	80	58761	-172941.1413	844537.3170250766	39.19275802900335	-101.4093097	291921.4172061485	34107.6102592145	3445.70307120395	3247.835514020953	3208.55400105471	37.8717931743666	37.15330610429401
302	80	58762	-172281.1413	844537.3170250766	39.19276851639166	-101.407063	292122.4986730226	34108.2954789753	3441.849183669036	3244.621608502954	3207.299725158497	37.3218834445709	36.2691277202027
303	80	58763	-171621.1413	844537.3170250766	39.19278027581846	-101.4047353	292323.5795392263	34108.2954789753	3441.849183669036	3244.621608502954	3207.299725158497	37.3218834445709	36.2691277202027
304	80	58764	-170961.1413	844537.3170250766	39.19279194483792	-101.4024076	292524.660992644	341092.840733922	3440.686741525264	3245.6410849036	3205.9151148222445	3211.1484384612635	36.7309936639142
305	80	58765	-170301.1413	844537.3170250766	39.1928036859718	-101.4001798	292725.7418	341091.644881065	3439.99142604				

ix	ly	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.LR	BREVELogskg.ft	BREVEBohrkg.ft	SurfThLkg.ft	SurfThBoft.ft
383	88843	-118221.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
384	88844	-118201.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
385	88845	-117920.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
386	88846	-116841.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
387	88847	-116181.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
388	88848	-115521.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
389	88849	-114861.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
390	88850	-114201.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
391	88851	-113541.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
392	88852	-112821.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
393	88853	-112221.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
394	88854	-111561.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
395	88855	-110901.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
396	88856	-110241.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.4439540270586
397	88857	-109581.1413	8454537.3170250766	39.193571722512985	-101.2185179	380408.4361242836	3440602.476	378.67697402952	41.85845669783875	31185150046162322	31181011715758307	9454562360126429	70.443

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRElevLogsKrg	BRElevBothKrg	SatHtLogsKrg	SatHtBoth
500	5899	-3569.14133	844537.3170250766	39.19423474076792	-00.92525194	333742.25947783596	3440096.94828762	307.571740871145	2488.3292848	2882.3669924916065	2882.3636976719517	56.539150736775834
510	5890	-3500.141133	844537.3170250766	39.19423714771168	-00.92282816	333943.30278263537	3440092.45428343	294.2455286526617	2885.848044	2885.850856293327	62.4046859166714	62.39569444363336
511	5891	-3508.14133	844537.3170250766	39.1942369269266	-00.9069871	334144.348925361	3440094.94768413	307.1722969	2847.57371	2889.761637892435	57.8140719824365	57.7503868729728
512	5892	-3369.14133	844537.3170250766	39.19424183	-00.9122816	334345.38989021415	3440091.84231161	307.3197486235577	2946.915707727271	2893.767326965948	52.338907781322976	53.14274107085058
513	5893	-3302.14133	844537.3170250766	39.19424008767335	-00.9159083	334546.43172524013	3440089.94043384	307.436528310263	2946.255362368336	2897.078018143603	48.972023157590524	49.0524679388397
514	5894	-3236.14133	844537.3170250766	39.19424635260654	-00.9135805	334747.4743831286	3440079.644	307.161300512063	2945.6034951019406	2898.6507243803376	48.7132971761602974	46.8131297163605956
515	5895	-3170.14133	844537.3170250766	39.1942485799136	-00.9112527	334918.1685789586	3440072.94399415	307.088805108243	2944.956785781136	2899.294333670998	45.66232511	45.40750475
516	5896	-3104.14133	844537.3170250766	39.19425064515944	-00.9089249	335418.55921501736	3440068.94241207	306.891301950341	2944.515037654769	2899.150809192685	45.7734228037	44.8572642196547
517	5897	-3038.14133	844537.3170250766	39.19425737846684	-00.9069871	335550.8013895874	3440064.94856537	307.1722969	2847.57371	2889.761637892435	57.8140719824365	57.7503868729728
518	5898	-2972.14133	844537.3170250766	39.19425748407771	-00.9042594	335551.64302351697	3440050.45268239	306.5014483115365	2943.049673890485	2899.706230970676	52.338907781322976	53.14274107085058
519	5899	-2906.14133	844537.3170250766	39.19425678688767	-00.9019418	335752.68525700482	3440052.06852085	306.2057683226989	2942.425340140234	2899.866326329809	45.66232511	45.40750475
520	5880	-2801.14133	844537.3170250766	39.19425874420543	-00.8996138	335953.72695026056	3440049.47006684	306.3102451563162	2941.805924599855	2900.329511269714	41.47641333	41.551476829787905
521	5881	-2774.14133	844537.3170250766	39.19426065650324	-00.897286	336154.76848349336	3440048.48124589	306.214046156324	2941.19063139782234	2901.021397882344	40.16749131705501	40.147762817595817
522	5882	-2708.14133	844537.3170250766	39.1942625395257	-00.8949582	336355.809856989	3440044.94545292	306.10191647052916	2940.5748741010948	2903.4019046096138	31.17676499	37.40946791381447
523	5883	-2642.14133	844537.3170250766	39.1942643362155	-00.8926304	336556.8510708846	3440040.95047783	305.9435695558268	2939.967722878985	2904.7698357267523	2908.577322525713	31.39039374136449
524	5884	-2576.14133	844537.3170250766	39.1942661238491	-00.8903871	336757.89212505636	3440036.952817058	305.734177702036	2939.356306725583	2916.132758576216	22.2234839424228	22.321737667357396
525	5885	-2510.14133	844537.3170250766	39.194267653339	-00.8879749	336958.93302201816	3440032.95446105	305.54229962299	2938.741345501114	2924.6112407847545	19.9632536494517	14.13183786556924
526	5886	-2444.14133	844537.3170250766	39.1942694389502	-00.8856471	337159.97375657396	3440028.95488915	305.34122621505	2938.12697458823	2932.1712561751215	23.3276078397574	5.346301069570472
527	5887	-2378.14133	844537.3170250766	39.1942711864739	-00.8833193	337361.0143337324	3440024.95891483	305.197371300562	2937.5053718481195	2938.2302240359804	29.3862858399895	0
528	5888	-2312.14133	844537.3170250766	39.19427174909026	-00.880915	337562.0547524923	3440020.96117796	305.0629377461796	2936.87523671782	2942.739423308457	2944.314005	0
529	5889	-2246.14133	844537.3170250766	39.19427344	-00.8786637	337763.09501286177	3440016.93628951	304.84769739841	2936.232917	2943.074088237784	2943.074088237784	0
530	5890	-2180.14133	844537.3170250766	39.19427584443486	-00.8763399	337964.1351150455	3440012.96635637	304.625175330847	2935.573473781422	2940.788779993634	4.899245067078492	5.3945484864133
531	5891	-2114.14133	844537.3170250766	39.194278273716312	-00.8740574	338175.1781054945	3440008.94562474	304.4013585787481	2934.8011585787481	2940.8011585787481	14.537380192798	14.537380192798
532	5892	-2048.14133	844537.3170250766	39.1942787259273	-00.8718704	338366.214845670	3440004.97273034	304.351876513039	2934.178989594313	2941.968163051043	12.21085057841292	12.98957444182902
533	5893	-1982.14133	844537.3170250766	39.19428007731614	-00.8693526	338567.2544745228	3440005.93562986	304.483818488392	2933.429169013122	2920.87022826491	12.6205803723699	12.98957444182902
534	5894	-1916.14133	844537.3170250766	39.194281425571845	-00.8670248	338768.293460076	3440000.97085912	304.4158871873704	2932.631492295944	2918.759325558718	13.87216673707203	13.64946466779718
535	5895	-1850.14133	844537.3170250766	39.1942827084491	-00.864687	338969.326303286	3440005.93562986	304.350758892702255	2931.770501868526	2916.73071282055	9.3072045353646	15.71467781350505
536	5896	-1784.14133	844537.3170250766	39.19428393643424	-00.8623362	339170.3724176037	3440000.96812217	304.3571778943463	2930.8588479900404	2916.259632607464	19.12322111890612	14.59925158239405
537	5897	-1718.14133	844537.3170250766	39.19428513931652	-00.8600816	339371.0141183309	3440000.96812217	304.3571778943463	2930.8588479900404	2916.259632607464	19.12322111890612	14.59925158239405
538	5898	-1652.14133	844537.3170250766	39.19428637407771	-00.8577137	339572.0452052397	3440000.96812217	304.3571778943463	2930.8588479900404	2916.259632607464	19.12322111890612	14.59925158239405
539	5899	-1586.14133	844537.3170250766	39.19428739033267	-00.8553859	339773.489505071	3440000.96812217	304.3571778943463	2930.8588479900404	2916.259632607464	19.12322111890612	14.59925158239405
540	5900	-1520.14133	844537.3170250766	39.19428843839672	-00.8530581	339974.52748165093	3440000.93404826	304.3077273673461	2926.54890545782	2900.722971503729	28.99958719502209	26.31700574298838
541	5901	-1454.14133	844537.3170250766	39.19428946148116	-00.8507303	340175.5659	3440000.98187097	304.261652408818	2925.30503534383	2914.734653423252	15.688287138917	10.61585011113084
542	5902	-1388.14133	844537.3170250766	39.1942904296378	-00.8484025	340376.4604772021	3440000.93404826	304.3077273673461	2926.54890545782	2900.722971503729	28.99958719502209	26.31700574298838
543	5903	-1322.14133	844537.3170250766	39.19429136281274	-00.8460747	340577.64274158584	3440000.98187097	304.261652408818	2925.30503534383	2914.734653423252	15.688287138917	10.61585011113084
544	5904	-1256.14133	844537.3170250766	39.19429222102589	-00.8437461	340778.6805064945	3440000.93404826	304.3077273673461	2926.54890545782	2900.722971503729	28.99958719502209	26.31700574298838
545	5905	-1190.14133	844537.3170250766	39.19429306427687	-00.8414917	340977.719945328	3440000.93404826	304.3077273673461	2926.54890545782	2900.722971503729	28.99958719502209	26.31700574298838
546	5906	-1124.14133	844537.3170250766	39.1942938525679	-00.8390913	341180.755035568	3440000.93404826	304.3077273673461	2926.54890545782	2900.722971503729	28.99958719502209	26.31700574298838
547	5907	-1058.14133	844537.3170250766	39.1942946	-00.8367636	341381.792478951	3440000.90405656	304.2714700745100185	2924.507364746423	2916.8184280746423	20.6967933376245	23.3082317072215
548	5908	-992.14133	844537.3170250766	39.19429524252285	-00.8344358	341582.83032727005	3440000.94590155	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
549	5909	-926.14133	844537.3170250766	39.194295947651995	-00.832108	341783.8673232479	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
550	5910	-860.14133	844537.3170250766	39.19429655069788	-00.8297802	341984.90435852035	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
551	5911	-794.14133	844537.3170250766	39.19429733876878	-00.8274824	342196.9457861033	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
552	5912	-728.14133	844537.3170250766	39.19429813004778	-00.8251246	342398.93578502133	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
553	5913	-662.14133	844537.3170250766	39.1942981162362	-00.8227968	342598.0143764728	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
554	5914	-596.14133	844537.3170250766	39.194298540209715	-00.8204691	342789.0507	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
555	5915	-530.14133	844537.3170250766	39.194298823833095	-00.8181413	342990.08566761976	3440000.93937052	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
556	5916	-464.14133	844537.3170250766	39.19429926243373	-00.8158135	343191.1230187523	3440000.99095009	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
557	5917	-398.14133	844537.3170250766	39.19429955919172	-00.8134872	343392.1582722949	3440000.97381344	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
558	5918	-332.14133	844537.3170250766	39.19429985402596	-00.8111579	343593.194363912	3440000.91590713	304.25316526	2916.083156901916	2914.41678703888	18.99123249921680	24.58681674411866
559	5919	-266.14133	844537.3170250766	39.194300086984	-00.8088301	343794.2302871666	3440000					

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BR/ElevLogs.Kg.f	BR/ElevLogs.Kg.f	SatHtLogs.f	SatHtBoth.f
638	80	59095	47458.8586770335	844537.3170250766	39.19418393	-00.6319185	359072.5064562453	3339994.201006111	2885.372888511129	2780.7094638471813	2719.0855132221395	61.62395142701775	58.95547186732847
639	80	59096	48158.8586770335	844537.3170250766	39.19418067262223	-00.6295907	359273.53095118504	3339950.2625330975	2881.3359274239784	2779.9917060545818	2719.258867	61.062812954178066	58.140845015309424
637	80	59097	48178.8586770335	844537.3170250766	39.194173269966	-00.6274263	359474.5553983642	3339896.284280905	2877.305634564435	2779.286757023526	2719.629541898964	60.8378647722864	57.82721838372725
638	80	59098	48188.8586770335	844537.3170250766	39.19417400	-00.6269351	359573.5365323964	3339875.3061117507	2873.205793358143	2778.95379358123	2718.232560587125	60.721725815725	57.3612320698367
639	80	59100	50138.8586770335	844537.3170250766	39.194170631393045	-00.6226703	359876.603618970526	3339578.328174908	2868.34885856113285	2773.913568327874	2713.93830545455025	59.9732348728492	57.67840616771595
640	80	59101	50798.8586770335	844537.3170250766	39.19416719319222	-00.6202796	360077.6275077078	3339574.35040997	2865.5306383123478	2772.237981	2712.2016443781004	61.033365341016	58.3042172581961
641	80	59102	51458.8586770335	844537.3170250766	39.19416371002804	-00.6179518	360278.65185364054	3339570.37282006	2861.723098739818	2770.5699732626584	2710.2587772626584	61.03196027602364	60.6530165061664
642	80	59102	52118.8586770335	844537.3170250766	39.1941601819138	-00.615624	360478.6750565861	3339566.395407803	2857.910532695176	2768.902868341333	2707.755464524454	61.04721816878755	62.003202062542
643	80	59103	52778.8586770335	844537.3170250766	39.1941568812254	-00.6132962	360680.6869110614	3339562.418172202	2857.301535291196	2767.228936694414	2705.141022292976	61.04721816878755	62.003202062542
644	80	59104	54348.8586770335	844537.3170250766	39.1941529073068	-00.6105684	360881.722013853	3339558.441113549	2850.166315012637	2765.542872323134	2707.769623440091	61.04721816878755	62.003202062542
645	80	59105	54098.8586770335	844537.3170250766	39.19414932774665	-00.6084007	361082.7452970813	3339554.64231542	2842.941505019697	2763.83538236694	2701.128901833999	60.99941433232903	61.04721816878755
646	80	59106	54758.8586770335	844537.3170250766	39.19414561977022	-00.6063129	361283.76843831426	3339550.488	2865.715876103046	2762.118601052035	2699.90014860559	61.04721816878755	62.003202062542
647	80	59107	55418.8586770335	844537.3170250766	39.194141866831345	-00.6038851	361484.794452385	3339545.01097723	2867.9056384145224	2760.90825115164	2698.9608417436234	61.04721816878755	62.003202062542
648	80	59108	56078.8586770335	844537.3170250766	39.19413806830044	-00.6016573	361685.8143182433	3339542.335445894	2869.51042730619	2758.66426923289	2698.054627991735	60.609798931553996	61.9203160502426
649	80	59109	56738.8586770335	844537.3170250766	39.19413420666933	-00.5993296	361886.8370573521	3339538.558470731	2871.15120575105	2756.947176637807	2696.730887586697	60.609798931553996	61.9203160502426
650	80	59110	57398.8586770335	844537.3170250766	39.19413038240101	-00.597018	362087.858626286	3339534.582472348	2872.7198713790112	2755.2467445230927	2694.786945033292	60.609798931553996	61.9203160502426
651	80	59111	58058.8586770335	844537.3170250766	39.19412640545164	-00.594674	362288.8821348776	3339530.60665613	2872.526571962005	2753.572793623647	2691.911920533526	60.609798931553996	61.9203160502426
652	80	59112	58718.8586770335	844537.3170250766	39.19412227700734	-00.5923462	362489.9044737038	3339526.30105565	2871.52823735701	2752.52328006771	2688.8573997178	61.9203160502426	62.07272324
653	80	59113	59378.8586770335	844537.3170250766	39.1941184084783	-00.5900184	362690.9267651196	3339522.585551786	2868.543885551786	2750.3166773552607	2687.38544229247	61.9203160502426	62.07272324
654	80	59114	60038.8586770335	844537.3170250766	39.19411433711746	-00.5876907	362891.9484752507	3339518.680245743	2866.552452999014	2748.738297176682	2685.817697988822	61.9203160502426	62.07272324
655	80	59115	60698.8586770335	844537.3170250766	39.19411022692828	-00.5853629	363092.970928928	3339514.705140414	2864.375139737255	2745.6861968190097	2683.46127503496	61.9203160502426	62.07272324
656	80	59116	61358.8586770335	844537.3170250766	39.1941066707326	-00.5830351	363293.962007929	3339510.730192001	2862.0127995530453	2744.586176576411	2680.295742917437	61.9203160502426	62.07272324
657	80	59117	62018.8586770335	844537.3170250766	39.1940931362775	-00.5807023	363494.950957137	3339506.098917147	2859.721908426524	2743.284543086528	2679.527525419297	61.9203160502426	62.07272324
658	80	59118	62678.8586770335	844537.3170250766	39.1940791695334	-00.5783796	363696.0572040413	3339502.780450878	2857.287371	2742.7009290197	2677.323689722306	61.9203160502426	62.07272324
659	80	59119	63338.8586770335	844537.3170250766	39.19406532	-00.5760518	363897.0571324314	3339498.64036554	2855.689403643554	2741.3614893120535	2665.231037824524	61.9203160502426	62.07272324
660	80	59120	63998.8586770335	844537.3170250766	39.1940898704124096	-00.5737324	364098.0781240496	3339494.832204638	2854.885176109207	2739.981304599784	2660.044121543828	61.9203160502426	62.07272324
661	80	59121	64658.8586770335	844537.3170250766	39.19408406463597	-00.5713962	364299.0996619679	3339490.81849323	2853.0647976178367	2738.662301485403	2658.8146376174123	61.9203160502426	62.07272324
662	80	59122	65318.8586770335	844537.3170250766	39.194080177261554	-00.5690805	364500.12057971733	3339486.848720065	2853.25276182472	2737.29460774472	2656.973368959165	61.9203160502426	62.07272324
663	80	59123	65978.8586770335	844537.3170250766	39.194075667456	-00.5667845	364701.1414665948	3339482.91056849	2851.756674542352	2736.088418325735	2654.90375251927	61.9203160502426	62.07272324
664	80	59124	66638.8586770335	844537.3170250766	39.19407116752774	-00.5644912	364902.1622277039	3339484.730724099	2849.651035173572	2734.6511689848473	2653.691455069953	61.9203160502426	62.07272324
665	80	59125	67298.8586770335	844537.3170250766	39.194066625344435	-00.5620852	365103.1828482492	3339474.363993194	2846.18210658587	2733.432782500418	2651.593997782197	61.9203160502426	62.07272324
666	80	59126	67958.8586770335	844537.3170250766	39.19406201814082	-00.5597574	365304.203434338	3339470.990521478	2843.585333170754	2732.1691357498803	2649.83185364295	61.9203160502426	62.07272324
667	80	59127	68618.8586770335	844537.3170250766	39.194057365954584	-00.5574296	365505.2278074683	3339467.01525953	2841.093480712507	2730.92501059996	2648.776017848313	61.9203160502426	62.07272324
668	80	59128	69278.8586770335	844537.3170250766	39.1940512892465	-00.5551018	365706.24394351	3339463.04706247	2838.968332834548	2729.0263612464	2646.806332164424	61.9203160502426	62.07272324
669	80	59129	69938.8586770335	844537.3170250766	39.19404750665641	-00.5527741	365907.264048885	3339459.4720065	2836.852325855185	2728.488854195898	2646.85361504781	61.9203160502426	62.07272324
670	80	59130	70598.8586770335	844537.3170250766	39.1940431362775	-00.5504812	366108.2642456843	3339455.09497157	2834.71908426524	2727.284543086528	2645.927525419297	61.9203160502426	62.07272324
671	80	59131	71258.8586770335	844537.3170250766	39.1940387058888	-00.5481185	366309.3038711455	3339451.127037389	2832.571077006796	2726.078575887676	2645.083939572593	61.9203160502426	62.07272324
672	80	59132	71918.8586770335	844537.3170250766	39.1940333501978	-00.5457908	366510.325848737	3339447.15194084	2829.91903826251	2724.895757359477	2643.702587940762	61.9203160502426	62.07272324
673	80	59133	72578.8586770335	844537.3170250766	39.19402851	-00.543463	366711.328780373	3339443.18325532	2827.3829996074653	2723.702410259817	2642.138900654125	61.9203160502426	62.07272324
674	80	59134	73238.8586770335	844537.3170250766	39.194023541704825	-00.5411352	366912.367748357	3339439.211495039	2824.8458535815943	2722.519173401722	2640.815823320527	61.9203160502426	62.07272324
675	80	59135	73898.8586770335	844537.3170250766	39.19401852982465	-00.5388074	367113.3820764959	3339435.239911223	2821.127188	2721.32791339834	2638.7219497204236	61.9203160502426	62.07272324
676	80	59136	74558.8586770335	844537.3170250766	39.19401347297872	-00.536477	367314.401470943	3339431.28503639	2816.361926717886	2720.3216099044	2637.61439464515	61.9203160502426	62.07272324
677	80	59137	75218.8586770335	844537.3170250766	39.19400871770675	-00.5341821	367515.439207173	3339423.35218559	2814.427703328984	2719.33477807838	2636.26272629279	61.9203160502426	62.07272324
678	80	59138	75878.8586770335	844537.3170250766	39.1940032440029	-00.5318471	367716.439207173	3339423.35218559	2812.477077006796	2718.306202282231	2635.3483343676	61.9203160502426	62.07272324
679	80	59139	76538.8586770335	844537.3170250766	39.1939980326783	-00.5294964	367917.5811120607	3339419.355340368	2802.597140712861	2716.492200381183	2624.577890140774	61.9203160502426	62.07272324
680	80	59140	77198.8586770335	844537.3170250766	39.19399279597319	-00.5271686	368118.478620848	3339415.36439008	2799.102569773064	2715.247217908684	2636.492186525924	61.9203160502426	62.07272324
681	80	59141	77858.8586770335	844537.3170250766	39.19398751431467	-00.5248408	368319.49536719726	3339411.4113877	2796.643084517505	2713.969389217252	2640.387853098997	61.9203160502426	62.07272324
682	80	59142	78518.8586770335	844537.3170250766	39.19398218789759	-00.5225131	368520.153804460	3339407.443756162	2794.166308064954	2712.663131264864	2641.58661809183		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
1	81	59221	-357741.1413	845197.3170250766	39.189508191485714	-102.061135	325613.89182242326	432272.017601578	3989.3967875795956	3818.443013903624	3752.0263113370784	3752.403046193217	364.1760256654606	66.01232740104721
22	81	59222	-357081.1413	845197.3170250766	39.1895235630109	-102.0588076	325815.0384717197	432256.927879338	3986.42234054825	3816.874510549945	3751.2385054373515	3751.635963387496	65.8369602477937	65.639602477937
23	81	59223	-356421.1413	845197.3170250766	39.1895464047845	-102.0564681	326016.18485893012	432293.840158928	3985.4279739178473	3815.29278572789	3749.67897	3750.278572789	65.6153834687966	65.278572789
24	81	59224	-355761.1413	845197.3170250766	39.18958108000718	-102.0541527	326217.3309842035	432259.571701037	3984.3913771686635	3813.709103	3747.836239043333	3748.2329495347915	65.8726438326892	65.4767015470779
25	81	59225	-355011.1413	845197.3170250766	39.1896031027802	-102.0518253	326418.47684002032	432255.66342964	3984.890340194806	3812.1225631056395	3745.173297	3738.67561287784	65.8658254069944	65.2642214596371
26	81	59226	-354441.1413	845197.3170250766	39.18962347759729	-102.0494979	326619.62245024677	432251.575253759	3985.468976467396	3808.941872742417	3738.67561287784	3738.67561287784	65.8658254069944	65.2642214596371
27	81	59227	-353781.1413	845197.3170250766	39.1896359996481	-102.0471704	326820.7679124123	432247.48739931963	3985.65108808076	3807.3473527813485	3738.1379175109996	3736.50744250457	65.8658254069944	65.2642214596371
28	81	59228	-353121.1413	845197.3170250766	39.1896773738087	-102.044843	327021.91287119105	432243.39731963	3986.45108808076	3807.3473527813485	3738.1379175109996	3736.50744250457	65.8658254069944	65.2642214596371
29	81	59229	-352461.1413	845197.3170250766	39.18970170984515	-102.0426156	327223.0576963012	432239.312191569	3987.45108808076	3807.3473527813485	3738.1379175109996	3736.50744250457	65.8658254069944	65.2642214596371
30	81	59230	-351801.1413	845197.3170250766	39.1897256975763	-102.0401187	327424.02248771916	432235.224833015	3988.015224903484	3804.1517024803	3737.3058654008314	3736.146027923236	65.8658254069944	65.2642214596371
31	81	59231	-351141.1413	845197.3170250766	39.1897496393021	-102.0378607	327625.3466468115	432231.137654127	3987.5635106382524	3802.5499113576784	3734.30871003344	3734.30871003344	65.8658254069944	65.2642214596371
32	81	59232	-350481.1413	845197.3170250766	39.18977357353904	-102.0355332	327826.4906846358	432227.050568705	3983.4702002586004	3800.947050496731	3731.536090883424	3731.536090883424	65.8658254069944	65.2642214596371
33	81	59233	-349821.1413	845197.3170250766	39.1898033919596	-102.0332058	328027.6346246503	432222.963845275	3980.3924945353483	3800.947050496731	3728.841732638467	3728.841732638467	65.8658254069944	65.2642214596371
34	81	59234	-349161.1413	845197.3170250766	39.18982119790099	-102.0308784	328228.7778904132	432218.877	3975.3069648396	3797.73574766851	3700.387549527865	3700.387549527865	65.8658254069944	65.2642214596371
35	81	59235	-348501.1413	845197.3170250766	39.1898449065539	-102.0285059	328429.9213821256	432214.790763048	3971.524053484793	3796.132808374786	3697.665370504626	3711.40070991184	65.8658254069944	65.2642214596371
36	81	59236	-347841.1413	845197.3170250766	39.18986878454985	-102.0262235	328631.0643779126	432210.70484901	3968.045131300587	3794.531597101616	3696.222940382096	3706.029151187056	65.8658254069944	65.2642214596371
37	81	59237	-347181.1413	845197.3170250766	39.18989231330904	-102.023896	328832.207	432206.6182008	3964.5536691137	3792.934032	3694.9441617819034	3698.616725626926	65.8658254069944	65.2642214596371
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54	81	59254	-335961.1413	845197.3170250766	39.19028791202541	-101.9843292	332251.59409532993	432137.187118285	3931.529944199046	3766.778995701204	3681.79764001628	3723.713097575257	65.8658254069944	65.2642214596371
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58	81	59258	-333321.1413	845197.3170250766	39.190379097171404	-101.9750193	333056.1450015354	432120.85256018	3921.26536756526	3760.970031991247	3693.18807827685	3727.370268507	65.8658254069944	65.2642214596371
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65	81	59265	-328701.1413	845197.3170250766	39.190536940333084	-101.9587269	334490.092899276	432092.21687776	3906.4226147695003	3750.871380814326	3691.611374082943	3692		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SatTLogKrg.ft	SatTBoth.ft
147	81	59347	-274581.1413	845197.3170250766	39.19222192643434	-101.7678682	66596.3729031286	3441758.256174878	3643.903779207628	3789.78899035341	3561.803475325761	3561.9871346987334	35.8852070967976	35.801861336607544
148	81	59348	-273921.1413	845197.3170250766	39.1922400555381	-101.7650646	261157.488148677	3441754.1902071675	3641.003160263621	3596.025496280941	3565.9740486296906	3566.3748662323836	35.05189645133123	29.65107995710423
149	81	59349	-273261.1413	845197.3170250766	39.19223943907864	-101.763213	261358.303154569	3441750.1242032028	3638.9976804398127	3594.369680243785	3569.9110012351844	3562.54442200837	24.157870782843094	23.524257234147626
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151	81	59351	-271941.1413	845197.3170250766	39.19226638454553	-101.7585578	261760.83246194308	3441741.9933892125	3632.757155326697	3589.678980676205	3566.324476915351	3566.3000022278086	23.354512152269308	23.378984839811892
152	81	59352	-271281.1413	845197.3170250766	39.19221487267953	-101.7562302	261961.9426711398	3441752.138144033	3628.925156636376	3565.1389926744737	3565.181502	3562.1522126913628	22.145013343391763	22.145013343391763
153	81	59353	-270621.1413	845197.3170250766	39.19223334575682	-101.7539026	262163.0602887166	3441733.3863	3628.612952719357	3564.2168289633578	3564.2168289633578	3564.2168289633578	20.696420123219923	20.62243147212133
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155	81	59355	-269301.1413	845197.3170250766	39.1923070127141174	-101.7494973	262585.298259879	3441725.73487971	3628.9758622439844	3579.968459127385	3562.9110170382594	3562.9292702107539	17.05836976646038	17.05836976646038
156	81	59356	-268641.1413	845197.3170250766	39.19233840339819	-101.7489197	262756.4016107577	3441721.68987613	3617.13252890163	3577.48527516462	3561.8398918195248	3561.839372471683	15.5619801629371	15.5619801629371
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158	81	59358	-267321.1413	845197.3170250766	39.19242490240188	-101.7422645	263168.6276276145	3441704.57046611	3625.524742	3567.496648407858	3558.480522084097	3558.4032745388786	13.898912632376065	14.0663901907177
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166	81	59366	-262041.1413	845197.3170250766	39.19256910345866	-101.7236436	264777.5224400360	3441681.03707488	3590.0076050313202	3552.960788874418	3538.1167273665196	3537.660108438796	11.428315162092216	11.428315162092216
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172	81	59372	-258081.1413	845197.3170250766	39.1926750836698	-101.7096779	265984.1830271984	3441661.56224061	3597.212804585454	3537.536605383556	3521.7327792001392	3520.0379594133218	10.5803623216368	10.5803623216368
173	81	59373	-257421.1413	845197.3170250766	39.19269367335225	-101.7073502	266185.2931024074	3441652.6	3596.00432427274	3535.0783516737583	3520.633460185042	3519.2441287118595	10.4489148711616	10.4489148711616
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177	81	59377	-254781.1413	845197.3170250766	39.19276285372384	-101.6980397	266989.7283921902	3441635.35790141	3572.425723218882	3525.28969642333	3518.307768623693	3517.90737945156	12.98201078720457	12.98201078720457
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185	81	59385	-249501.1413	845197.3170250766	39.19290028851225	-101.6794186	268598.5879314054	3441603.76489993	3587.02050999661	3505.9108074948495	3492.8957312819834	3536.205354624384	13.01570212866006	0
186	81	59386	-248841.1413	845197.3170250766	39.19291724303865	-101.677091	268799.69432477166	3441598.817390151	3596.174440035261	3503.516487586795	3492.0310793386716	3534.400596307371	11.485408248123349	0
187	81	59387	-248181.1413	845197.3170250766	39.19293471281825	-101.6747633	269000.8005	3441596.758	3601.492560331019	3501.131049458879	3491.025054200305	3542.7699587823154	10.10599730848272	0
188	81	59388	-247521.1413	845197.3170250766	39.19295105724001	-101.6724357	269201.9048040094	3441591.69973241	3603.598411842337	3498.754758486995	3489.891038430623	3530.8980717067238	8.8572703392154	0
189	81	59389	-246861.1413	845197.3170250766	39.19296847969845	-101.6701422	269409.9174069337	3441587.91744891	3606.829161016858	3496.829161016858	3489.829161016858	3489.829161016858	7.82941790320638	0
190	81	59390	-246201.1413	845197.3170250766	39.19298489160979	-101.6677804	269604.2171059274	3441583.5827098	3607.42191496065	3498.759257020551772	3487.59737257626	3503.80782818131	6.744059307511715	0
191	81	59391	-245541.1413	845197.3170250766	39.19300144135776									

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.Kg.f	BR/ElevBoth.Kg.f	SatThLogs.f	SatThBoth.f
273	81	59473	-191421.1413	845197.3170250766	39.19422192593203	-011.4745824	286295.10037304414	4314247.3662369932	3496.734554984787	3312.871443770889	3298.5075162849623	0	6.00605176789075
274	81	59474	-190761.1413	845197.3170250766	39.19423494406748	-011.4722547	286496.1874669544	4314234.33001824	3496.847747177087	3302.0915272270613	3308.1847753161023	3304.55419251371	0
275	81	59475	-190191.1413	845197.3170250766	39.19432491212541	-011.4659866	286687.27439494245	4314229.279696697	3496.834369351	3299.631739761927	3304.437683415024	0	0
276	81	59476	-189441.1413	845197.3170250766	39.19426084545379	-011.4675992	286898.361022799675	4314235.237	3500.16845141113	3297.259563	3301.65853805313	3302.545161406649	0
277	81	59477	-188781.1413	845197.3170250766	39.19427372871184	-011.4652715	287099.4474860441	4314231.194376174	3502.0114658309	3294.844085288189	3297.8604583793963	3306.321196660874	0
278	81	59478	-188121.1413	845197.3170250766	39.19427367005058	-011.4629438	287300.53379334457	4314215.11606025	3503.8458326431056	3294.008713888063	3305.19586927124	0	0
279	81	59479	-187461.1413	845197.3170250766	39.19429936033961	-011.460616	287501.61973694497	4314223.109525396	3503.227293517474	3290.4027152842553	3290.0958829132246	3304.579887029741	0
280	81	59480	-186801.1413	845197.3170250766	39.19431210871269	-011.4582883	287702.70561738944	4314219.067	3500.1462128975395	3287.60600642021	3288.1178369875306	3306.463532	1.542169652670509
281	81	59481	-186141.1413	845197.3170250766	39.19432491212541	-011.4559866	287963.79124625821	4314215.025394924	3500.859696443316	3294.2476379611907	3289.458522594157	3308.4553084187	3.045741501774954
282	81	59482	-185481.1413	845197.3170250766	39.19433747057766	-011.4536323	288104.67856371484	4314213.95839563	3503.971798912313	3282.952004	3278.15000968527	3297.459991804373	4.891130147772556
283	81	59483	-184821.1413	845197.3170250766	39.19435004069337	-011.4513051	288305.8619661436	4314206.941827415	3490.91111106086	3280.635933202946	3273.9636998746956	3304.25645101674	6.722723323260595
284	81	59484	-184161.1413	845197.3170250766	39.194326526500596	-011.4489774	288507.046650177	4314202.950046809	3278.350653999579	3269.55424529294	3290.739095148262	8.796407740285304	7.446837438347578
285	81	59485	-183501.1413	845197.3170250766	39.194337518	-011.4466497	288708.1316555417	4314198.85920745	3484.83596875531	3276.100713112515	3265.1096878382177	3295.8175918110897	10.09102574297499
286	81	59486	-182841.1413	845197.3170250766	39.194337645478126	-011.4443219	288909.216237918	4314194.81214553	3478.7963752684	3273.818923901857	3261.6491832923764	3287.146936366885	12.244265374621478
287	81	59487	-182181.1413	845197.3170250766	39.1944006830071	-011.4419492	289101.3006123562	4314190.77318223	3478.889719834977	3271.728576	3257.4718715999197	3285.3167197993962	14.226704034370108
288	81	59488	-181521.1413	845197.3170250766	39.19441247172571	-011.439664	289311.3849	4314186.737	3478.110122047792	3269.614833367848	3252.7521455272663	3288.296441786214	16.86288911514548
289	81	59489	-180861.1413	845197.3170250766	39.19442420853826	-011.4373387	289512.468381864	4314182.69603105	3473.370321120867	3267.552624811815	3248.4001958326967	3288.793805356633	19.15248548318132
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293	81	59493	-178221.1413	845197.3170250766	39.19447374615945	-011.4280277	290316.82603365	4314166.353714887	3453.4754771720204	3259.818330961084	3229.002513551261	3270.017240980512	30.91581713984191
294	81	59494	-177561.1413	845197.3170250766	39.19448580653399	-011.4257	290517.885524247	4314162.496073717	3452.17075597417	3258.139689892266	3225.308142514345	3267.4489498263	32.7224677479209
295	81	59495	-176901.1413	845197.3170250766	39.1945009383284	-011.423723	290716.46982396248	4314158.23867489	3451.09343862643	3248.1554648264	3223.74398415696837	3264.840434289555	34.99504896005499
296	81	59496	-176241.1413	845197.3170250766	39.19450998650674	-011.421045	290920.05078579193	4314154.17341732	3436.705344406348	3254.504714547655	3221.054144511309	3240.624703673654	37.8865603425943
297	81	59497	-175581.1413	845197.3170250766	39.19452195029279	-011.4187168	291121.1330650179	4314150.473243596	3431.7995041439063	3243.435363365473	3214.7893924046119	3240.8225066684	38.6417094449179
298	81	59498	-174921.1413	845197.3170250766	39.194533891174025	-011.416389	291232.2151656293	4314146.33052636	3426.8934673980246	3252.001764109472	3214.161240883189	3220.60877288314	37.8405232262304
299	81	59499	-174261.1413	845197.3170250766	39.19454578529439	-011.4140613	291523.29707075834	4314142.30025647	3423.762575773024	3241.15404099304	3213.2415405969273	3216.49129701161564	37.4040833458238
300	81	59500	-173601.1413	845197.3170250766	39.19455763443844	-011.4117338	291724.378750613	4314138.262	3420.63050813784	3240.34182251833	3213.710637279526	3209.457495643489	35.6534497930624
301	81	59501	-172941.1413	845197.3170250766	39.19456993859294	-011.409458	291925.4608439648	4314134.23867489	3418.1554648264	3248.1554648264	3223.74398415696837	3264.840434289555	35.70520552788446
302	81	59502	-172281.1413	845197.3170250766	39.19458119789974	-011.4073781	292165.1785103257	4314130.158449425	3419.627639005575	3247.0146489795245	3217.1836052201434	3211.7549052201434	37.2144802533829
303	81	59503	-171621.1413	845197.3170250766	39.19459291216659	-011.4047053	292327.6226	4314126.147492842	3417.50620338803	3245.938571020816	3227.154437190594	3203.739217209983	38.7841332202345
304	81	59504	-170961.1413	845197.3170250766	39.1946054184219	-011.4024226	292528.7306134546	4314122.10958997	3414.4873243795533	3244.93256191567	3209.86323	3228.154437190594	36.0030381
305	81	59505	-170301.1413	845197.3170250766	39.19461625583682	-011.4000948	292729.7841278507	4314118.01929863	3411.4685035711045	3243.966883594783	3227.154437190594	3203.739217209983	36.0030381
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309	81	59509	-167661.1413	845197.3170250766	39.19466293344342	-011.3907838	293534.10475561325	4314101.92386446	3401.645620596763	3240.949158929127	3207.419793736564	3213.620462785648	33.22664212330889
310	81	59510	-167001.1413	845197.3170250766	39.19467365319387	-011.388456	293735.184403923	4314097.88632499	3398.341381686357	3239.9240178012196	3203.535279	3207.554212090616	33.986971060349
311	81	59511	-166341.1413	845197.3170250766	39.19468500778193	-011.3861283	293936.263848273	4314093.849742885	3388.438405870001	3239.23532008217	3202.1047969483916	3218.307252430066	40.8506892366499
312	81	59512	-165681.1413	845197.3170250766	39.194696317408005	-011.3838005	294177.3430917945	4314089.813	3401.037252719305	3238.576723871262	3201.102061343005	3200.920367	37.446614403114
313	81	59513	-165021.1413	845197.3170250766	39.19470782074535	-011.3814728	294382.3213187675	4314085.77118018	3403.631	3237.94263027391	3219.5778928354785	3203.739217209983	36.366307191912665
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316	81	59516	-163041.1413	845197.3170250766	39.19474110330432	-011.3744895	294941.6580377324	4314073.6958211	3400.278351043697	3236.173041950413	3200.22205	3219.2196831571	35.9507372302495
317	81	59517	-162381.1413	845197.3170250766	39.1947529112506	-011.3721618	295142.736292198	4314069.63402087	3400.107671748272	3235.614831	3221.2278664341547	3231.665426	34.38666478915055
318	81	59518	-161721.1413	845197.3170250766	39.194763230984506	-011.369834	295343.8129911806	4314065.59896968	3400.936925147924	3235.067283258585	3202.563465	3232.682404875069	33.881896035405
319	81	59519	-161061.1413	845197.3170250766	39.19477425882564	-011.3675902	295544.892176303	4314061.56354059	3400.293307293467	3234.5272683075233	3204.294435783743	3227.0905517090737	30.62532513789162
320	81	59520	-160401.1413	845197.3170250766	39.19478517581946	-011.3651785	295745.9695749634	4314057.52889736	3400.17661274631646	3233.9899724631646	3208.3349472816762	3235.067283258585	31.84832711483237
321	81	59521	-159741.1413	845197.3170250766	39.19479660794595	-011.3628927	295947.0471812226	4314053.483804165	3400.92969580145	3236.1393			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	WatThKgr.f	SatThBoth.f	
39	89	95999	-102621.1413	845197.3170250766	39.19550814139241	-01.1812839	116380.84256408676	43407.3932346996	506.2502346184584	49.6743276199347	3090.241293313376	3091.757606767146	56.7330303655869	55.2166625432208
400	81	99600	-107601.1413	845197.3170250766	39.19551548436299	-01.789557	11831.5464607318	43407.7513262553	3267.7637162067076	3144.3685004449394	3088.650635989736	3090.1349275423234	55.71763689	54.2335729207076
401	81	99601	-102981.1413	845197.3170250766	39.19552923027406	-01.766281	132328.5084272689	43407.7132361896	3368.0257784984923	3141.728234	3087.014683594814	3088.651453589709	54.70330533102166	54.1147781291296
402	802	-106281.1413	845197.3170250766	39.19553006541747	-01.71743	112323.67030046275	139.1748727231	3728.28643381894	3139.19748726231	3085.501680156912	3087.61248726231	3085.900711956395	51.5853620439493	
403	803	-105621.1413	845197.3170250766	39.195532349674	-01.719722	112434.731943365	43407.2158135078	3275.352031818583	3132.6632628373	3083.941334	3087.764897272116	52.6910880478661	48.86737510332104	
404	804	-104961.1413	845197.3170250766	39.19554444561593	-01.7169444	112635.7934034766	43407.23129102908	3275.25538101456	3134.0815336286514	3082.772748227295	3085.951425299113	51.3808088017549	48.1263907274008	
405	805	-104301.1413	845197.3170250766	39.19555158472296	-01.1673166	112836.85467822624	43407.1512202881	3278.147558389413	3131.546993705965	3080.535984929823	3087.0150887939418	51.0110871288226	47.39130426622342	
406	806	-103641.1413	845197.3170250766	39.1955586796588	-01.1648988	113037.91577141266	43407.1192655197	3281.039337351718	3129.0290581754544	3079.568136780112	3083.201198289414	49.4609213954228	45.82789895	
407	807	-102981.1413	845197.3170250766	39.195565706196648	-01.162681	113238.5084272689	43407.7132361896	3281.967208758726	3128.014683594814	3078.014683594814	3082.453763869794	48.5131916887934	44.07411161723086	
408	808	-102221.1413	845197.3170250766	39.1955725994457	-01.160333	113440.0374059074	43407.15409613	3280.92986342955	3124.0446989895	3076.199875076255	3080.5219859594	47.844823591323	42.1265017330011	
409	809	-101661.1413	845197.3170250766	39.19557964776967	-01.1580804	113641.0974863034	43406.9135068599	3279.87958286205	3121.580111506774	3074.6964260435557	3079.4474534554285	46.8385846321817	42.1305851347335	
410	810	-101001.1413	845197.3170250766	39.1955865111192	-01.1556776	113842.1583066041	43406.9116253993	3278.85533409444	3119.134139684788	3073.80005801027	3078.4724418729534	45.7143400376192	40.7106979185333	
411	811	-100341.1413	845197.3170250766	39.19559340949127	-01.1533497	114043.2148680314	43406.910900584	3277.4653021728254	3117.1670969237447	3072.112833496177	3077.7744212030945	44.59396617262703	38.2327842	
412	812	-99681.1413	845197.3170250766	39.19560022290776	-01.1510219	114244.2748811373	43406.8719126368	3275.72206461318	3114.2998211434557	3070.580827884313	3078.0651655071563	43.7188425914287	36.2344663630011	
413	813	-99612.1413	845197.3170250766	39.19560913613545	-01.1488941	114445.33592410444	43406.8306031036	3273.97827458972	3111.9496822578173	3068.5327809130185	3077.14586432789108	43.718849197886	34.45780072701891	
414	814	-98361.1413	845197.3170250766	39.19561137148523	-01.1463963	114646.3972514464	43406.79043	3272.235590103348	3109.8529931262775	3066.9816213373086	3072.3120097560666	42.5710717525084	37.240623368310924	
415	815	-97701.1413	845197.3170250766	39.1956203337979	-01.1440385	114847.54574346373	43406.7504276991	3272.4017901733373	3107.212433	3065.7155919540717	3068.780125564725	41.4887377157814	34.46431717340735	
416	816	-96616.1413	845197.3170250766	39.19562703	-01.1417107	115048.5167421037	43406.701016265	3274.4772467179939	3104.899527419558	3064.086411306793	3064.760681	40.83136111076644	40.13894653	
417	817	-96381.1413	845197.3170250766	39.19563315548977	-01.1393829	115249.5758	43406.669436387	3276.553065186061	3102.6066132802894	3062.2670595183954	3062.255629794724	40.33955376189397	39.95436360816926	
418	818	-95721.1413	845197.3170250766	39.19564015915947	-01.1370551	115450.6347340833	43406.627903355	3276.628072604224	3100.33619	3060.691484288146	3060.71634719437963	39.64218454163329	39.9152559565361	
419	819	-95061.1413	845197.3170250766	39.19564665786459	-01.1347272	115651.61938549135	43406.5843911315	3278.2521432156603	3098.0148055515	3059.029573710108	3059.928647504986	39.05039038242856	38.8700548050284	
420	820	-94401.1413	845197.3170250766	39.19565311517755	-01.1323394	115852.752002455	43406.5337769786	3275.42390091714	3095.4612030876	3057.139959190888	3057.968032329834	38.70616112790776	37.8780878599017	
421	821	-93821.1413	845197.3170250766	39.19565920863364	-01.1300716	116053.156796489	43406.4810265324	3275.58546587876	3092.59161633874	3055.920481083853	3055.920481083853	37.38916612688729	34.698413870989	
422	822	-93620.1413	845197.3170250766	39.19566588141446	-01.1277438	116254.8584653673	43406.4504289147	3269.7671024601	3091.430626383823	3053.444428940485	3054.162778229291	37.961369789214	37.2732435452528	
423	823	-92421.1413	845197.3170250766	39.19567220233838	-01.125416	116455.92655155424	43406.4287712562	3266.948468465156	3089.257052067713	3051.5604564588475	3052.505540112927	37.69966365928305	36.78051442555036	
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425	825	-91011.1413	845197.3170250766	39.19568470569714	-01.1207603	116858.04021795906	43406.348552031	3259.959035204374	3084.941363900501	3048.029271942083	3050.33982316988	36.9105175949223	35.64096117301233	
426	826	-90441.1413	845197.3170250766	39.1956908963192	-01.1184325	117099.0984185494	43406.303264496	3256.60143832635	3082.4042119521647	3045.760532860227	3047.590603211181	37.04387907041434	35.2136087408835	
427	827	-89827.1413	845197.3170250766	39.19569702863364	-01.1160471	117260.156796489	43406.27342897	3254.9217917041787	3080.88837390784	3043.9219171732833	3045.965520557285	37.38916612688729	34.698413870989	
428	828	-89121.1413	845197.3170250766	39.19570137250766	-01.1137769	117461.3273057505	43406.23150411	3251.11446583012	3078.56989505606	3041.230890847963	3044.3030751046373	37.3289751046373	34.2566161287379	
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434	834	-85141.1413	845197.3170250766	39.195738742438964	-01.09981	118657.552757043	43405.9811201918	3237.54067184023	3065.916717041787	3026.950183292651	3032.5040747546817	30.2920851182738	32.168413870989	
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437	837	-83181.1413	845197.3170250766	39.1957554534984	-01.0928265	119270.719798306	43405.8657385364	3233.116789400367	3060.255761396779	3016.375050327999	3028.509400471752	30.1487196902786	31.9047819950276	
438	838	-82521.1413	845197.3170250766	39.19576158972709	-01.0904487	119471.7751245484	43405.8261559521	3231.759348491639	3058.316169624617	3014.7948548698136	3027.592529	30.1456227403541	30.723967596761617	
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441	841	-81421.1413	845197.3170250766	39.1957780337965	-01.08357	120074.230570518	43405.703819411	3228.15027798487	3052.1927798487	3002.402917298487	3025.110297789487	29.442917298487	27.232361021046	
442	842	-79881.1413	845197.3170250766	39.19578371760402	-01.0811874	120275.946643768	43405.6640821815	3225.351173006704	3050.98289171017	3000.850963457434	3024.196796929	29.3499495429258	26.586219040212686	
443	843	-79221.1413	845197.3170250766	39.195789137165185	-01.0788596	120477.0491072195	43405.625295	3224.6787066516	3048.952246249303	3001.743677851889	3020.12375501104	27.20856479104123	28.8249523	
444	844	-78561.1413	845197.3170250766	39.19579451176309	-01.0765317	120676.1037631877	43405.582365357	3225.05618284404	3047.112017962574	3000				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothKrg.f	LatBothKrg.f	SurfBothKrg.f
525	59725	-25101.14133	845197.3170250766	39.1960053045858	-100.8679771	336629.934357685	440230.2417816365	350.40202656488556	293.7312611470147	2923.173627236819	2923.614604075578	15.55763391095818	15.11665707134678
526	59726	-24441.14133	845197.3170250766	39.19600521804304	-100.8695482	337163.9748066703	440230.243694324	350.0000817	2938.134667107743	2933.253907664789	2931.956122625984	15.55763391095818	15.11665707134678
527	59727	-23781.14133	845197.3170250766	39.19600536063684	-100.8685434	338275.152967761	440230.2458921382	350.35377141	2934.544227211383	2938.754489489007	2940.14328881983	0	0
528	59728	-22411.14133	845197.3170250766	39.19600545832053	-100.8809395	337666.055332004	440230.2471943346	350.255915716024	2932.957751271873	2942.858916473887	2944.908567079863	0	0
529	59729	-22461.14133	845197.3170250766	39.19600570110357	-100.8786657	337767.0956073483	440230.2481354464	350.51545246720773	2936.311115	2947.3640892751437	2950.2941112775437	0	0
530	59730	-21801.14133	845197.3170250766	39.19600581874278	-100.763378	337968.15523439636	440230.2415289207	350.568971763187	2935.6798619799183	2932.330242131051	2932.93422515502	12.34961984867405	13.745303464916317
531	59731	-21411.14133	845197.3170250766	39.19600591508194	-100.87401	338169.1753	440230.2415684489	350.4086429197938	2935.027848784713	2915.829229685054	2913.880417815922	19.1986910996569207	21.147432052132884
532	59732	-20481.14133	845197.3170250766	39.19600139930976	-100.8718622	338370.2148480414	440230.24196	350.3464758066497	2934.347017668478	2914.4240842435696	2911.713236811827	15.17465805210203	15.17465805210203
533	59733	-19821.14133	845197.3170250766	39.19600572147516	-100.869345	338571.254252554	440230.2423891184	350.2629378356555	2937.544227211383	2911.845472132076	2914.9473667802538	24.74741233302558	24.74741233302558
534	59734	-19161.14133	845197.3170250766	39.19600410002145	-100.867025	338772.2939	440198.164083776	350.425088036148	2932.85808184709	2911.7785116555087	2910.960915389764	21.67949051200457	21.67949051200457
535	59735	-18501.14133	845197.3170250766	39.19600538235156	-100.8646898	338973.3273436887	440194.168451327	350.546769090426	2932.02429631038	2911.2866526759374	2911.521392411186	20.73756655100647	20.50287344821254
536	59736	-17841.14133	845197.3170250766	39.1960062087784	-100.8623708	339174.7317158772	440190.1720967535	350.442241122495	2931.116452125037	2912.4781291772667	2916.86330471770375	17.986588265674736	17.986588265674736
537	59737	-17181.14133	845197.3170250766	39.196009713860284	-100.8600429	339375.41053132154	440186.175920047	350.28436545566704	2930.1304540965702	2913.564556670498	2914.544112188446	16.565897426072297	15.58292321204026
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539	59739	-15861.14133	845197.3170250766	39.19601006483365	-100.8553382	339777.48769278824	440178.184100203	350.3431097268621	2927.9489756516	2905.735384434401	2905.63718918054	22.207465922114937	22.205297949597188
540	59740	-15201.14133	845197.3170250766	39.19610112302458	-100.8535094	339978.590322265	440174.188457048	350.4283989213854	2926.762202301295	2906.488264187709	2906.27816536996	20.7373811235059	20.48403893273665
541	59741	-14541.14133	845197.3170250766	39.196102136151666	-100.8507216	340179.564229728	440170.192991728	350.442241122495	2925.537488978476	2912.7406416271797	2913.188360381778	12.79600735176913	12.79600735176913
542	59742	-13881.14133	845197.3170250766	39.19610310431492	-100.8484037	340380.6625451623	440166.197704233	350.465550947496	2912.2748584776496	2916.2511696013055	2916.83057070568	6.82688816	7.438767471991373
543	59743	-13221.14133	845197.3170250766	39.1961040257453	-100.8460759	340581.6401437853	440162.20294556	350.4485460273476	2922.980566	2906.739074067184	2905.392275954390	12.64359602711456	17.58829090503691
544	59744	-12561.14133	845197.3170250766	39.19610400571497	-100.843748	340782.677867379	440158.20762685	350.4181799624675	2921.659527475227	2904.703052137067	2903.788985236458	16.9645743813609	17.05823237869304
545	59745	-11901.14133	845197.3170250766	39.19610573902199	-100.8414022	340983.715365227	440150.21260333	350.5787903582497	2920.3156397098282	2902.288525233314	2901.82393891559	19.081938479968	18.49175173689294
546	59746	-11241.14133	845197.3170250766	39.196106527236285	-100.8390253	341184.7525054656	440142.121933535	350.56717274263076	2918.9553617243076	2898.15867766917	2897.668495947738	20.7968044856195	21.08906238135876
547	59747	-10581.14133	845197.3170250766	39.19610720673514	-100.8362974	341392.629027107	440134.1298219673	350.5787903582497	2917.98102381637	2898.15867766917	2897.668495947738	21.73129107359	21.73129107359
548	59748	-9901.141327	845197.3170250766	39.19610796903304	-100.834366	341586.82731446176	440142.229711141	350.5981475226978	2916.196129961305	2898.6896470826	2898.531505353817	25.506283235304027	25.6462460749295
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551	59751	-7941.141327	845197.3170250766	39.19610974441118	-100.8274531	342189.9377037928	440130.342180293	350.5482743591489	2911.9872364816983	2875.263896282356	2875.271177439385	36.710693775984	36.710693775984
552	59752	-7281.141327	845197.3170250766	39.19611031	-100.8251253	342390.9471926126	440150.21260333	350.56717274263076	2910.573432893705	2868.751491919384	2868.761065939324	41.819790974316675	41.819790974316675
553	59753	-6621.141327	845197.3170250766	39.1961087150286	-100.8229784	342592.6162579241	440126.261278871	350.5981475226978	2909.160102381637	2868.555661298383	2868.555661298383	45.78274652799595	45.78274652799595
554	59754	-5961.141327	845197.3170250766	39.196107503715372	-100.8204698	342793.04704446	440119.119624	350.5787903582497	2907.744131677	2868.804027	2868.744131677	48.731630539327	48.731630539327
555	59755	-5301.141327	845197.3170250766	39.196111588726866	-100.8181471	342994.0827390575	440142.2175430925	350.67923567027	2906.368045134373	2859.639262	2859.770400467816	46.72930431064726	46.5982046556716
556	59756	-4641.141327	845197.3170250766	39.196111937396125	-100.8158139	343195.1186512303	440101.28234268	350.5023603756374	2908.4052360773732	2858.4639252256674	2858.4639252256674	50.35409082353505	50.35409082353505
557	59757	-3981.141327	845197.3170250766	39.196112231101516	-100.813486	343396.154387411	440106.29	350.4178199845163	2907.744597664738	2857.048024880476	2857.030177903059	46.69852785672606	46.71649176174405
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560	59760	-2001.141327	845197.3170250766	39.19611284243594	-100.805429	343999.2605954958	440094.2192961973	350.67923567027	2900.481328111037	2852.02235244713	2852.02235244713	47.73129107359	47.73129107359
561	59761	-1341.141327	845197.3170250766	39.19611295628416	-100.8047477	344200.2957035884	440090.301015453	350.7103629538515	2899.3289948160245	2851.647572483163	2851.031278873287	47.745232432861485	48.23743236878596
562	59762	-681.1413269	845197.3170250766	39.19611302517062	-100.8018468	344401.33067367855	440093.32826944	350.6924897306534	2898.390395591945	2850.231251323677	2849.233461	48.15914268317549	49.1569348444465
563	59763	-21.14132693	845197.3170250766	39.19611304908285	-100.799519	344602.3564855435	440082.33772582	350.72768661140413	2897.390050230227	2848.7741935147956	2847.297131809483	50.092189472404354	50.092189472404354
564	59764	638.858673033514	845197.3170250766	39.196113208051215	-100.7971911	344803.40414625015	440078.346	350.696678754595	2896.385407335052	2847.126664281911	2845.385364099517	50.092189472404354	50.092189472404354
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567	59767	2618.858673033514	845197.3170250766	39.19611284107634	-100.792534	345025.4691476104	440076.34128047	350.7103629538515	2894.531586998719	2845.971936620695	2845.971936620695	45.78274652799595	45.78274652799595
568	59768	3278.858673033514	845197.3170250766	39.19611284107634	-100.792534	345025.4691476104	440076.34128047	350.7103629538515	2894.531586998719	2845.971936620695	2845.971936620695	45.78274652799595	45.78274652799595
569	59769	3938.858673033514	845197.3170250766	39.19611224838505	-100.7855519	345808.571188449	440058.392127031	350.711515889	2891.210638507924	2851.812964969291	2862.720142449084	39.7976043510628	28.490421401706953
570	59770	4598.858673033514	845197.3170250766	39.19611195756026	-100.7832241	346009.6046414893	440054.481815217	350.70783					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.L3	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
51	81	59851	58085.8586730335	845197.3170250766	-00.95649869	39.195939097596648	-00.95649869	36222.860174253347	43397371.775534136	2876.041347773329	273.5148775959344	2688.186265425397	2687.574089405116	65.74807881981842
52	81	59852	58087.118586730335	845197.3170250766	-00.9563411	39.195935098114596	-00.9563411	36243.88234876473	43397727.8	2874.7018326520846	2731.6686707534046	2683.2541221343104	2687.762230611459	68.993447769
53	81	59853	58338.8586730335	845197.3170250766	-00.95600133	39.19593107529918	-00.95600133	36284.9043720017	43397234.23	2871.262981106397	2730.2545498	2683.989410875132	2688.6381032489757	39.195275886154
54	81	59854	60038.8586730335	845197.3170250766	-00.95620075	39.19592700752024	-00.95620075	36285.9625912407	4339719.849	2869.022193295948	2748.47307548093	2683.8002367340505	2689.080458488989	64.6733331434561
55	81	59855	60698.8586730335	845197.3170250766	-00.95583576	39.1958228477782	-00.95583576	363096.98401534736	4339715.87479653	2866.949102226304	2746.826677466339	2682.3292196767818	2685.28222149114	64.59766687872124
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62	81	59862	65318.8586730335	845197.3170250766	-00.95690268	39.1958924660299	-00.95690268	364504.0966132760	433968.052	2855.564399159027	2736.9645900257865	2665.5318427787	2671.11690153087784	71.4143056
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKrg.ft	BRIElevBothKrg.ft	SatHtLgts.ft	SatHtBoth.ft
37	82	59977	-347181.1413	845857.3170250766	39.191704869399025	-102.0239264	238836.29966793266	432407.906807601	3964.1572555316443	3791.5603149574578	3696.108497	3703.7435334386126	84.5818181139781	88.1851711588403
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42	82	59982	-343881.1413	845857.3170250766	39.191822562347504	-102.0122888	239824.00874173848	432397.476762857	3952.524787432428	3770.9040162484824	3677.9040776857073	3677.5057475176435	106.6163241391705	106.01462723233881
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67	82	60007	-327381.1413	845857.3170250766	39.19239416942603	-101.9541005	244870.4568815057	432285.400887339	3889.183410686714	3745.809921304472	3658.770537	3683.174778	87.03398441075026	62.635143503672225
68	82	60008	-326721.1413	845857.3170250766	39.19241649304346	-101.951773	245071.9515058492	432281.320179493	3887.0933245457	3744.308776322455	3656.069745328917	3676.327607952952	68.2901797935387	62.781674597935387
69	82	60009	-326061.1413	845857.3170250766	39.19243868428044	-101.9494544	245272.7258709193	432277.236623263	3884.998361822976	3742.799162608196	3653.716309127995	3674.426789343519	80.0823523411665	67.37239726307052
70	82	60010	-325401.1413	845857.3170250766	39.192461074917145	-101.9471179	245473.86	432273.15930847	3882.97023893176	3741.2814599336115	3652.007497235534	3671.62294967182	69.6181549	
71	82	60011	-324741.1413	845857.3170250766	39.192483031921515	-101.9447903	245674.9354399774	432269.01945628	3880.336938369974	3739.755689512204	3650.953494	3667.342162029087	88.7974556743034	72.36147692650887
72	82	60012	-324081.1413	845857.3170250766	39.19250511927114	-101.9424626	245876.1214521461	432264.919616209	3877.288184748078	3739.1218004729248	3651.7713802297902	3671.545433019327	73.8767202853033	
73	82	60013	-323421.1413	845857.3170250766	39.19252717376006	-101.9401352	246087.2607	432260.919	3874.2394057461	3738.679152	3651.106429269715	3663.91942708083	85.754593065353	72.2722822
74	82	60014	-322761.1413	845857.3170250766	39.19254914543709	-101.9378076	246278.3941042074	432257.93744101	3871.19067465845	3735.1275442138613	3653.174161307312	3662.91375735251	81.9532830564945	72.2147260461029
75	82	60015	-322101.1413	845857.3170250766	39.19257114973217	-101.9354801	246479.5266676348	432252.76307431	3867.55692624488	3734.08776322455	3656.069745328917	3676.327607952952	68.2901797935387	62.781674597935387
76	82	60016	-321441.1413	845857.3170250766	39.19259306997264	-101.9331525	246680.6594700574	432248.681052326	3863.338162399682	3731.9943095852234	3658.2712316641546	3665.157861658223	73.2715892117383	66.836259073067
77	82	60017	-320781.1413	845857.3170250766	39.192614945258036	-101.9308249	246881.7918214937	432244.610819787	3859.119404171673	3730.4111353018725	3657.522327420364	3665.2715892117383	72.88707881150845	65.13680135192317
78	82	60018	-320121.1413	845857.3170250766	39.19263677558845	-101.9284874	247082.9329214864	432240.523	3854.90046	3728.815234389773	3654.823590274714	3662.96730230987	73.9173411	65.8472171467783
79	82	60019	-319461.1413	845857.3170250766	39.1926586915889	-101.9261827	247284.064008124	432236.45908997	3851.62459499997	3727.9040162484824	3653.1631778995843	3661.631778995843	74.9584799711756	
80	82	60020	-318801.1413	845857.3170250766	39.19268103138421	-101.9239242	247482.3761791313	432232.365847469	3844.86432637656	3726.142124008336	3653.4349465320967	3659.749447420301	75.1245297	
81	82	60021	-318141.1413	845857.3170250766	39.19270196844915	-101.9215147	247686.381721443	432228.2870051	3839.57897755143	3723.891575800296	3645.8201098762897	3647.614201930844	78.1190477073867	76.3204567994157
82	82	60022	-317481.1413	845857										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRLEvLogKg.f	BRLEvBothKg.f	SatThLg.f	SatThBoth.f	
163	82	60103	-264021.1413	845857.3170250766	39.194328039077135	-17.7306496	264178.25781174295	34184894.080119488	3597.8911682193843	3559.4646361971927	3546.0295292229313	3539.260805940023	13.434710697381433	20.20437452574969
164	82	60104	-263361.1413	845857.3170250766	39.19434600313445	-17.7283219	264379.3691124574	34184890.417	3595.91591208336	3556.9738340309438	3543.177587140096	3533.285502	13.796273136854008	23.688331805223697
165	82	60105	-262701.1413	845857.3170250766	39.194367022733485	-17.7258462	264580.4891902255	34184892.93216	3593.94765947307	3555.9424117329912	3540.86369	3530.840408	13.628300135625096	20.685847354505319
166	82	60106	-262041.1413	845857.3170250766	39.19438173637426	-17.7236665	264781.5901573235	34184892.29070149	3591.79618911268	3551.021343894182	3538.954309643324	3534.532550576278	13.05694056078264	17.47870315343862
167	82	60107	-261381.1413	845857.3170250766	39.19439662555873	-17.7213388	264982.7016717842	34184878.227868917	3589.5881971356383	3549.5388386955324	3537.1919478906225	3533.598458789747	12.3468900409089	15.940373990578448
168	82	60108	-260721.1413	845857.3170250766	39.19441740978085	-17.7190112	265183.81108790706	34184876.15408615	3586.738479176075	3547.0721498625894	3535.5343753432293	3532.52672521051	11.5337744293607	14.54587724153862
169	82	60109	-260061.1413	845857.3170250766	39.19443515	-17.7166835	265384.3221260375	341870.103009235	3583.974980783467	3544.611542786196	3533.6687361153236	3530.867205568453	10.4920606708105	13.74433217741304
170	82	60110	-259401.1413	845857.3170250766	39.19445284335392	-17.7143558	265586.032321906	341866.40790767	3581.19454803803	3542.157086338593	3531.266788510707	3528.869473983551	10.89029752298211	13.28734060830262
171	82	60111	-258741.1413	845857.3170250766	39.1944706270282	-17.7120881	265787.1417096337	341861.978753208	3579.4520662766954	3539.708451510973	3527.565437226417	3525.845847708518	12.464417278682746	13.863068806578506
172	82	60112	-258081.1413	845857.3170250766	39.1944880703521	-17.7097004	265988.2514957197	341857.15896549	3577.26376530916	3537.1724286255264	3527.1724286255264	3525.845847708518	15.5447278538936	16.57448743259347
173	82	60113	-257421.1413	845857.3170250766	39.19450565	-17.7073728	266189.3603611217	341856.186520783	3576.186338126563	3534.8305820317705	3522.4072965003274	3522.244420142466	12.4228553144307	12.58616188830450
174	82	60114	-256761.1413	845857.3170250766	39.19452317098444	-17.7050451	266390.4693417557	3418489.73729502	3577.526474655646	3532.3993274240215	3522.1245478229923	3520.818587496603	10.274779594097254	9.380739927418745
175	82	60115	-256101.1413	845857.3170250766	39.194540640513225	-17.7027174	266591.578091414	3418485.732411902	3573.8996412858524	3529.976277903615	3520.209651009087	3520.881809826173	9.762976960542793	9.909817963550307
176	82	60116	-255441.1413	845857.3170250766	39.19455806056939	-17.7003897	266792.6866103263	3418481.61727873	3567.287348453283	3527.5502322338173	3517.29536483102646	3518.710782	10.2549680234562	8.839540036701741
177	82	60117	-254781.1413	845857.3170250766	39.19457544466986	-17.6988062	266993.7949898745	3418476.016256507	3560.6760267207133	3525.1322429555007	3513.8814495875904	3518.211234	10.25979367910319	6.920896594580889
178	82	60118	-254121.1413	845857.3170250766	39.19459277930574	-17.6967345	267194.80296709105	3418333.55	3554.0642189881437	3522.718226575984	3510.2647281360323	3514.3898087493333	12.453348439951545	8.329417718100169
179	82	60119	-253461.1413	845857.3170250766	39.1946100689586	-17.6943066	267396.0178853254	341829.489664542	3553.5971485210327	3520.38113220829	3508.8296456407625	3510.1863585073802	13.478466960405495	10.12172713448763
180	82	60120	-252801.1413	845857.3170250766	39.19462731370723	-17.6919789	267597.1078352284	341825.54854255	3550.2757433194047	3517.9017452127705	3503.728033409066	3507.888672240136	11.37171803164679	10.013272988756903
181	82	60121	-252141.1413	845857.3170250766	39.1946451346684	-17.6887512	267798.2257521482	341821.368325048	3564.9561251178283	3515.498608403577	3503.311699	3508.1907446455903	14.1670918872914	7.308223107637432
182	82	60122	-251481.1413	845857.3170250766	39.1946621668273625	-17.6864235	267999.3289131755	341817.380277896	3567.603303916216	3513.09981890093	3498.669641292303	3513.5835840694521	14.7201777606885	0
183	82	60123	-250821.1413	845857.3170250766	39.19468778118586	-17.6840959	268200.4380912379	341817.840410666	3567.2770887455215	3510.706437	3496.457163105208	3521.756157097383	12.49272398771831	0
184	82	60124	-250161.1413	845857.3170250766	39.19469584300489	-17.6817682	268401.54648211575	3418108.18724254	3584.85288595235	3508.320590338013	3504.8797037588047	3530.71173604480	13.44009425996572	0
185	82	60125	-249541.1413	845857.3170250766	39.1947146339710424	-17.6791483	268602.5229218168	341805.219218648	3585.353411061187	3505.8424117332173	3498.11681686153	3511.4105090921157	12.514582104642045	0
186	82	60126	-248841.1413	845857.3170250766	39.19472983790011	-17.6771128	268803.7591575704	3418101.07	3600.124480227002	3503.573413	3492.416758922643	3545.07318128719	11.557330923716592	0
187	82	60127	-248181.1413	845857.3170250766	39.1947467679038	-17.6747851	269004.8651525297	341797.01749825	3605.387174899958	3501.213715750524	3491.675668048973	3540.012008984813	9.567330526079422	0
188	82	60128	-247521.1413	845857.3170250766	39.1947635259567	-17.6724574	269205.9709192796	341792.951786598	3608.296767124387	3498.8621466088916	3490.4636918870074	3541.051249587705	8.398454721884254	0
189	82	60129	-246861.1413	845857.3170250766	39.1947804305091	-17.6701297	269407.0645801073	341786.893004147	3611.206359348147	3496.5196027903383	3489.43937373873	3537.04601459433	7.962976960542793	0
190	82	60130	-246201.1413	845857.3170250766	39.194797288183075	-17.6678702	269608.1817689251	341784.834042647	3614.1159515734344	3494.186099991055	3488.103851794137	3537.13795633252	6.804875209335938	0
191	82	60131	-245541.1413	845857.3170250766	39.1948146339710424	-17.6654918	269809.2986223334	341780.779818154	3615.353417675417	3491.80680806173	3489.11681686153	3511.4105090921157	5.688251204642045	0
192	82	60132	-244881.1413	845857.3170250766	39.1948307435701	-17.6631485	270010.3971780136	341776.17741396	3617.7617741396	3492.416758922643	3487.00359624896	3525.02850924896	2.5397245393040405	0
193	82	60133	-244221.1413	845857.3170250766	39.19484674038243	-17.6608188	270211.4963368401	341776.619598198	3618.4440927852547	3487.2337156677427	3485.633777200977	3519.17781804995	1.596338767657433	0
194	82	60134	-243561.1413	845857.3170250766	39.194860491912056	-17.6584911	270412.6078354995	341776.61030325	3614.0494302857177	3484.93276213081	3484.3013725447145	3515.392147074684	0.631336636636006	0
195	82	60135	-242901.1413	845857.3170250766	39.1948805845692	-17.6561634	270613.70491346956	341764.54105391	3614.1558493539133	3482.639782196017	3482.95631663576	3510.268994641098	0	0
196	82	60136	-242241.1413	845857.3170250766	39.19489711483405	-17.6538357	270814.8086180336	341760.466881188	3614.8033483714744	3480.350542616085	3481.611674115804	3509.1835563990145	0	0
197	82	60137	-241581.1413	845857.3170250766	39.19491356525191	-17.6515938	271015.9125837624	341756.429251709	3615.480473890355	3478.078713342594	3480.4641043104894	3513.81502839749	0	0
198	82	60138	-240921.1413	845857.3170250766	39.1949307435701	-17.6491803	271217.016793545	341752.37205939	3616.093646405956	3475.81029792192	3478.2118554507	3511.4105090921157	0	0
199	82	60139	-240261.1413	845857.3170250766	39.194946421209615	-17.6468258	271418.1192435895	341753.15120878	3618.8116293996873	3475.08914968743	3477.0272419	3509.1835563990145	0	0
200	82	60140	-239601.1413	845857.3170250766	39.19496276674934	-17.6445249	271619.222334077	341754.25832616	3611.5909797979246	3471.292029721565	3475.8187850544495	3504.340962570603	0	0
201	82	60141	-238941.1413	845857.3170250766	39.1949797	-17.6421972	271820.3221189784	341740.202	3608.368766210195	3469.024011687703	3474.63948714037	3502.67798902867	0	0
202	82	60142	-238281.1413	845857.3170250766	39.1949953225884	-17.6398694	272021.4279050008	341736.15227839	3606.1489340643964	3466.797333439657	3473.4821535422207	3502.632159883383	0	0
203	82	60143	-237621.1413	845857.3170250766	39.19501153362031	-17.6375417	272222.5302728976	341732.00905232	3603.85086972741	3464.559674379667	3472.11097697113	3502.632159883383	0	0
204	82	60144	-236961.1413	845857.3170250766	39.1950276932227	-17.635214	272423.6334162096	341728.032563892	3604.758730071979	3462.32632069597	3470.31574883901	3501.0838524635938	0	0
205	82	60145	-236301.1413	845857.3170250766	39.19504383928188	-17.6328715	272624.7370324195	341724.073025194	3605.10232896914	3460.07623896691	3468.0030986691	3500.07623896691	0	0
206	82	60146	-235641.1413	845857.3170250766	39.19505985947577	-17.6305586	272825.836	341719.921352596	3605.725875589023	3457.8734917965008	3468.263300603303	3498.159470051682	0	0
207	82	60147	-234981.1413	845857.3170250766	39.19507592667086	-17.62828308	273026.9374975386	341715.86582295	3605.240482518017	3455.656069681764	3463.99337980058	3496.2294365822395	0	0
208	82	60148	-234321.1413	845857.3170250766	39.195091912534515	-17.6259031	273228.0387428536	341711.810473894	3603.535456157387	3453.4455440150928	3462.6159888126404	3495.80720043996	0	0
209	82	60149	-233661.1413	845857.3170250766	39.19510783438515	-17.6235754	273429.1397642494	341707.755305496						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLT	BREVELogKgr.f	BREVEBotKgr.f	SatHtSg.f	SatHtBoth.f
28	6229	-180861.1413	845857.3170250766	39.196237548397924	-101.4373545	289516.5143285604	3443138.926433974	343.57528916095956	32.70.2358458189294	3253.3002860361624	3288.616089689032	16.9357778313152	0
290	6230	-180201.1413	845857.3170250766	39.19624975305889	-101.4350267	289179.56979314494	3443179.805672485	343.57518472667997	328.2384949485485	3246.95164769028	3286.62547073282	19.76292972343507	0
291	6231	-179581.1413	845857.3170250766	39.19623047917669	-101.4326189	289168.17700515108	3443155.608862374	343.57518472667997	328.2384949485485	3246.95164769028	3286.62547073282	19.76292972343507	0
292	6232	-178881.1413	845857.3170250766	39.19624721633263	-101.4303711	289117.56979314494	3443179.805672485	343.57518472667997	328.2384949485485	3246.95164769028	3286.62547073282	19.76292972343507	0
293	6233	-178221.1413	845857.3170250766	39.19626380526686	-101.4280433	290320.8473	3443163.765268144	345.279066217795	326.8035981127666	3234.5119828809347	3263.616886185224	20.89197252138184	0
294	6234	-177561.1413	845857.3170250766	39.196208497582	-101.4257155	290521.9300283889	3443163.765268144	345.279066217795	326.8035981127666	3234.5119828809347	3263.616886185224	20.89197252138184	0
295	6235	-176901.1413	845857.3170250766	39.19631052409035	-101.4233877	290723.701312134505	3443159.685762929	343.981627905273	322.748570523	3227.48543542826	3238.33772283234	31.6898026078975	20.844766487398773
296	6236	-176241.1413	845857.3170250766	39.19632260333731	-101.4210599	290924.09493842395	3443165.64283638	343.84793034325514	325.977233937585	3227.51875357983	3246.95164769028	20.844766487398773	0
297	6237	-175581.1413	845857.3170250766	39.196334567863594	-101.4187321	291125.1770515108	3443155.608862374	343.57518472667997	328.2384949485485	3246.95164769028	3286.62547073282	20.844766487398773	0
298	6238	-174921.1413	845857.3170250766	39.19634557076787	-101.4164043	291326.2589709186	3443147.5679381958	342.6705638405998	325.8421942319026	3219.55573011135	320.4505974739697	35.0264617202893	24.1764965793291
299	6239	-174261.1413	845857.3170250766	39.19635841490125	-101.4140765	291527.3604788521	3443134.528919359	342.3497627325466	325.3185551981145	3219.388100228127	3223.99974912537	29.18881342675567	0
300	6240	-173601.1413	845857.3170250766	39.19637027095033	-101.4117487	291728.421815143	3443139.49015793	342.441129226678	325.186137241399	3217.985243970713	3217.270033723762	31.5949326938855	34.59180351763699
301	6241	-172941.1413	845857.3170250766	39.19638270544851	-101.4094209	291929.0304971125	3443145.51576182	342.4489818	325.05036036351662	3217.296621326773	3215.95723212405	33.306420383882	35.00569815
302	6242	-172281.1413	845857.3170250766	39.1963933496454	-101.4070931	292130.564518492	3443131.4174506	342.4533434131124	324.95097202069	3216.37687153929	3228.610091693129	33.306420383882	35.00569815
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBthKgr.ft	SatHtElev.ft	SatHtBth.ft
415	82	60355	-97701.14133	845857.3170250766	39.19743035685217	-101.144047	114851.4793263613	4340876.230897765	3277.7134770768594	3106.5264075887644	3064.896160339805	3069.1369478688833	41.63024724895922	37.38945970818115
416	82	60356	-97041.14133	845857.3170250766	39.1743969058899	-101.141719	115052.5358053421	4340872.1236709	3278.6248915486998	3104.1849497387452	3063.6004544248966	3054.5845463648765	38.53506447	38.53506447
417	82	60357	-95721.14133	845857.3170250766	39.18746279357764	-101.138314	115153.6978160517	4340868.1961972938	3281.5361475918623	3081.82743765342	3061.12743765342	3051.12743765342	38.73365657301	38.73365657301
418	82	60358	-97021.14133	845857.3170250766	39.18745282316279	-101.1370634	115454.6561276524	4340861.17761619	3283.4474779408913	3099.5621375089139	3061.11504960451	3060.86756855457	34.4606516790836	34.4606516790836
419	82	60359	-95061.14133	845857.3170250766	39.19745932020367	-101.1347356	115655.7146657272	4340860.16214974	3282.8242	3097.280092739485	3058.418737171912	3058.15616768368	38.6135557	38.52547597112625
420	82	60360	-94001.14133	845857.3170250766	39.19746577580044	-101.1324077	115856.7730230173	4340856.14299235	3279.666139213438	3095.016698533705	3056.68330156062	3057.105178203034	38.3330137764308	37.91531325367140
421	82	60361	-93741.14133	845857.3170250766	39.19747218479308	-101.1300798	116057.8120011922	4340856.1258497485	3276.5084253701957	3092.772044	3054.7196392335395	3055.237119241932	38.0520404	37.53492493202816
422	82	60362	-93031.14133	845857.3170250766	39.17478548741515	-101.127719	116258.8891960234	4340848.110984152	3273.35073629582927	3082.810166533015	3053.3336842030685	307.745814227767	37.212297552429424	37.212297552429424
423	82	60363	-92421.14133	845857.3170250766	39.17464677725508	-101.125241	116459.9470165378	4340844.392239854	3268.911958718623	3086.336643977255	3056.922120497725	3051.404397896938	34.145228976568	36.83221027692924
424	82	60364	-91761.14133	845857.3170250766	39.17494114774658	-101.123092	116661.0045023916	4340840.07	3266.127925471707	3086.14095897754	3045.19515106796	3049.810359436294	36.540539637799	36.540539637799
425	82	60365	-91101.14133	845857.3170250766	39.1749737	-101.1207683	116862.06210739363	4340836.05564324	3262.436307807566	3083.36519877181	3046.85696725545	3047.3384657457983	37.10150006	36.02324104132049
426	82	60366	-90401.14133	845857.3170250766	39.1975035489378	-101.1184044	117063.119385027	4340832.043451567	3256.754406170118	3081.788138044132	3045.013591089058	3046.14826264794	36.77454409322646	35.3678921733939
427	82	60367	-89871.14133	845857.3170250766	39.1975096042132	-101.1161126	117254.1764830715	4340828.037338248	3255.361372125965	3079.62337334228	3042.4655673361663	3044.4736815752462	37.1637999811255	35.155657590041565
428	82	60368	-89121.14133	845857.3170250766	39.1975157818468	-101.1137847	117465.234027328	4340824.011655274	3252.23406166041	3077.4811248479664	3040.3706870830394	3040.152117269897	34.774776872596	34.8720121209760
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433	82	60373	-85821.14133	845857.3170250766	39.1975405453771	-101.1021453	118470.5153207518	4340803.95385774	3238.914383181175	3066.934128619235	3028.802092149395	3031.5993278646974	38.1311136468398	35.3202489722605
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443	82	60383	-79221.14133	845857.3170250766	39.1976018685454	-101.078865	120483.956456343	4340763.79624953	3228.6339291998275	3047.2496789768156	3000.867897618106	3022.6510724328155	79.8207115916438	28.260475183128
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445	82	60385	-77901.14133	845857.3170250766	39.19761250945214	-101.0742107	120883.1736474915	4340757.70589577	3223.2008274873395	3043.30013091012	3007.9020537695014	2989.2759053063672	50.725953213567	54.35447197846496
446	82	60386	-77241.14133	845857.3170250766	39.19761774243066	-101.0718828	121084.2275661554	4340751.78051465	3220.48296252419	3041.66210382711	2992.1283283324	2955.182826	112.5382903180675	86.47927367471077
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449	82	60389	-75261.14133	845857.3170250766	39.19763337886802	-101.064892	121687.3877102238	4340739.731375455	3214.3037376883304	3032.34719819352	2994.6706657290313	3000.568716885058	9.43963487	35.0381729
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451	82	60391	-73941.14133	845857.3170250766	39.19764354731917	-101.060234	122089.438959685825	4340731.982479165	3211.90529027781	3026.269161668875	2994.575485577358	3000.568716885058	77.2020359852962	77.2020359852962
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454	82	60394	-71961.14133	845857.3170250766	39.1976584339547	-101.0532598	122692.6511287887	4340719.66383481	3207.943205489944	3018.064750076232	2994.599766602713	2992.57151529071	60.0408343751908	25.92599854716023
455	82	60395	-71301.14133	845857.3170250766	39.1976633406006	-101.0509319	122893.70392111256	4340715.05229292	3206.8202589347727	3006.559199667475	2998.911873313075	2998.911873313075	25.6513020635263	25.6513020635263
456	82	60396	-70641.14133	845857.3170250766	39.19766816951896	-101.048004	123094.7520017176	4340711.64213864	3205.114032	3004.1824040593895	2997.9482751616295	2996.709431796192	55.243653497301	22.41340383217693
457	82	60397	-70001.14133	845857.3170250766	39.19767321890445	-101.045719	123295.81446825927	4340707.14468259	3204.0118446825927	3002.94184468259	2996.94184468259	2996.94184468259	48.13879715093572	28.260475183128
458	82	60398	-69321.14133	845857.3170250766	39.1976777046093	-101.043482	123496.8587389007	4340703.621109721	3202.556137500527	3000.75733057803	2992.502368349221	2994.76926953612	48.233696185025	13.98810334616825
459	82	60399	-68661.14133	845857.3170250766	39.1976824043862	-101.0416203	123697.910309205	4340700.61806741	3201.206204933346	3				

ix	iy	x	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgrg.f	BRElevBothKrg.f	LatBoth.f	SurfBoth.f
541	62	60481	-145481.14133	845857.3170250766	-19.19791481185257	-100.8507328	340833.56276528254	34034371.377969012	3048.6830164776247	2907.75239191061	2907.6501981236497	18.067041067411083	18.1745656786841
542	62	60482	-13891.14133	845857.3170250766	-19.19791579000473	-100.8484409	3403484.606	34034367.3825261295	3048.6079134742926	2924.435409116411	2906.07731377665524	18.067283639752978	18.6462223639752978
543	62	60483	-13221.14133	845857.3170250766	-19.1979175812106	-100.8466077	340695.63869666	3403383.987	3048.33684771987	2924.125818814086	2905.711389945	17.11389045	17.6444986
544	62	60484	-12561.14133	845857.3170250766	-19.1979175812106	-100.8437491	340786.67584730027	34034030.721734985	3044.067450520909	2904.5098560282706	2904.1180412242117	17.1920139238221	17.674433808272
545	62	60485	-11901.14133	845857.3170250766	-19.19791841	-100.8414212	340987.7133307685	340335.397263543	3056.728127	2924.3045986383656	2903.8296729980283	17.303878796119233	16.609986838372236
546	62	60486	-11241.14133	845857.3170250766	-19.19791920314215	-100.8390933	341188.75056594063	340355.40253693	3056.9660611405	2919.072055156687	2899.527188314457	16.989165104712652	15.94214607542168
547	62	60487	-10581.14133	845857.3170250766	-19.19791994650502	-100.8367654	341389.787852552	340347.407979762	3059.701021	2917.6849325076358	2894.1748676739307	16.89418050567986	15.23020557683272
548	62	60488	-9921.14133	845857.3170250766	-19.19792049492986	-100.8344473	341590.824534147	340343.414	3064.00469839396	2916.380129482327	2889.676992587252	16.8313282170423	15.6138790996191
549	62	60489	-9261.14133	845857.3170250766	-19.1979212683574	-100.8321096	341791.961379961	340339.819407863	3068.59837984787	2914.814156512478	2885.55486212451	16.743455692160235	15.3455692160235
550	62	60490	-8601.14133	845857.3170250766	-19.19792195080361	-100.8297187	341952.8972030694	340335.42538848	3053.531965790157	2913.5150144533927	2881.1501176152838	16.6223032321512	15.223032321512
551	62	60491	-7941.14133	845857.3170250766	-19.19792247030647	-100.8274538	342193.824534147	340331.4317571	3051.5351586951137	2912.11307902935	2876.333591110108	16.746216272311997	15.7944679
552	62	60492	-7281.14133	845857.3170250766	-19.1979229884434	-100.8251259	342394.970688929	340327.4488444	3047.596798526131	2910.711568513402	2871.6783071150525	16.922561343173274	15.9301398396497
553	62	60493	-6621.14133	845857.3170250766	-19.1979236	-100.822778	342596.006839945	340323.777993437	3047.6603274390402	2897.336949360402	2867.669478889387	16.4500459599403	15.6506463720052
554	62	60494	-5961.14133	845857.3170250766	-19.1979239102506	-100.8204701	342797.0428	340315.451092149	3047.72337058644	2897.326611868564	2864.7859281306746	16.86502439179918	15.416736306
555	62	60495	-5301.14133	845857.3170250766	-19.19792427466793	-100.8181422	342998.07868062748	340315.45976275	3045.98767649797	2896.53892718481	2862.831276068326	16.863057989703345	15.435190301469787
556	62	60496	-4641.14133	845857.3170250766	-19.19792461334579	-100.8158143	343190.1471515843	340311.465011301	3042.45346745417	2905.252048132226	2861.365318052305	16.42689401062392	15.4888868901741
557	62	60497	-3981.14133	845857.3170250766	-19.1979249705686	-100.8134864	343400.149099648	340307.472272375	3040.918813072633	2903.9895200015837	2859.610721983451	16.9586683817585	15.44328681841272
558	62	60498	-3321.14133	845857.3170250766	-19.19792515580562	-100.8111585	343601.1852957238	340303.479642033	3039.38461120133	2902.78954678501	2858.116390282446	16.85840142	15.44762324480
559	62	60499	-2661.14133	845857.3170250766	-19.19792535958938	-100.8088306	343802.2205263467	340299.4872242175	3037.731204821717	2901.651459141843	2856.513280665296	16.856248137323303	15.43817847654718
560	62	60500	-2001.14133	845857.3170250766	-19.19792551840724	-100.8065027	344003.256109408	340295.494842373	3035.958513835246	2900.561410431245	2854.576098986114	16.854238452826736	15.45323467074844
561	62	60501	-1341.14133	845857.3170250766	-19.19792553226099	-100.8041748	344204.2905407086	340291.502922187	3034.18591749949	2899.504781914991	2852.98625121559	16.852298623584506	15.47325806450735
562	62	60502	-681.14133	845857.3170250766	-19.197925701147918	-100.8018149	344504.3253	340287.511	3032.4127412553	2898.45620742777	2851.51272	16.85048126599483	15.46440334423275
563	62	60503	1.14133	845857.3170250766	-19.19792582521	-100.7992562	344719.796473412	340282.5432384	3031.14368417225	2898.4579445269267	2851.51005151477	16.84105356459183	15.42854547151972
564	62	60504	638.856730733514	845857.3170250766	-19.19792570420556	-100.7971911	344807.394211054	340275.573903202	3028.063547907363	2896.39970404165	2849.693724850034	16.84817954211359	15.467024195130746
565	62	60505	1298.856730733514	845857.3170250766	-19.19792564	-100.7948632	345008.4287	340275.954625275	3025.76926021485	2894.726088300035	2848.250341527843	16.840134900545056	15.471097138096432
566	62	60506	1858.856730733514	845857.3170250766	-19.1979255704922	-100.7925335	345209.4629193296	340271.545279361	3023.91627352572	2894.71682763262	2850.7218218207836	16.851446525074918	15.45968609057832
567	62	60507	2618.856730733514	845857.3170250766	-19.19792537111203	-100.7902074	345410.4968424197	3020.195073684815	2893.26414814336	2892.594652911128	2860.501727711126	16.86050193711126	15.4482110351401
568	62	60508	3278.856730733514	845857.3170250766	-19.1979251202984	-100.7878795	345611.5308151621	340263.563466985	3015.9879304183814	2892.19625689963	2854.66234392227	16.8616502125872897	15.45328822073585
569	62	60509	3858.856730733514	845857.3170250766	-19.1979249639675	-100.7856216	345792.792874455	340259.578274745	3013.767878191845	2891.148638297078	2853.679445269267	16.86335807688142	15.46335807688142
570	62	60510	4598.856730733514	845857.3170250766	-19.1979246335104	-100.7832236	345972.0635365719	340255.562365719	3009.021421779994	2890.022411779994	2851.730425651462	16.8631042778945	15.4631042778945
571	62	60511	5258.856730733514	845857.3170250766	-19.19792429771324	-100.7808957	346214.6133530131	340251.59201766	3003.0395313311055	2888.9167407372856	2857.828406062634	16.863117556460815	15.463117556460815
572	62	60512	5918.856730733514	845857.3170250766	-19.19792391695104	-100.7785678	346414.6640620834	340247.610975181	2997.76842488791	2887.768246584524	2856.030142632776	16.86041614311813	15.476721039517477
573	62	60513	6578.856730733514	845857.3170250766	-19.19792392123854	-100.7762399	346616.6973030454	340243.612047155	2993.7317646332	2886.659737649585	2852.3458168513853	16.8552963937734	15.4732007981996
574	62	60514	7238.856730733514	845857.3170250766	-19.19792302053165	-100.773912	346817.730049495	340236.6229478	2885.456285904	2885.502399519804	2847.504119957387	16.85008997519804	15.4732007981996
575	62	60515	7998.856730733514	845857.3170250766	-19.1979224847443	-100.7716841	347018.763703955	340232.63273359	2882.728825389238	2884.233404125273	2842.911608716415	16.844889604010304	15.4732007981996
576	62	60516	8558.856730733514	845857.3170250766	-19.1979195434987	-100.7698268	347219.796473412	340221.6432384	2881.14368417225	2883.51005151477	2841.05356459183	16.84105356459183	15.4732007981996
577	62	60517	9218.856730733514	845857.3170250766	-19.1979213386953	-100.7679283	347402.8289357504	340227.564110856	2869.541744320526	2881.89708816403	2873.7850525106232	16.841119543039793	15.4732007981996
578	62	60518	9878.856730733514	845857.3170250766	-19.197920688112816	-100.7646004	347621.8615157817	340223.665	2862.947304517726	2884.647369805027	2873.6735118173324	16.837195198014854	15.4732007981996
579	62	60519	10538.856730733514	845857.3170250766	-19.1979198259565	-100.7622725	347822.9834678745	340216.76209035	2859.34217959618745	2879.371959618745	2865.4498111721	16.83870479567615	15.4732007981996
580	62	60520	11198.856730733514	845857.3170250766	-19.197919252113444	-100.7599446	348023.9256165445	340215.687526473	2857.5565386044	2878.06965941242	2839.374546903444	16.840739416516836	15.4732007981996
581	62	60521	11858.856730733514	845857.3170250766	-19.19791856776901	-100.7576167	348224.957678901	340211.699	2856.109810346051	2878.390375021172	2839.380375021172	16.840739416516836	15.4732007981996
582	62	60522	12518.856730733514	845857.3170250766	-19.19791763625078	-100.755088	348425.98555601	340207.710689011	2857.49246729239	2875.3806824862365	2841.815320471153	16.841564942110115	15.4732007981996
583	62	60523	13158.856730733514	845857.3170250766	-19.1979165620872	-100.752616	348628.0549225145	340203.7496404	2858.12198917225	2876.490421817236	2842.911608716415	16.84105356459183	15.4732007981996
584	62	60524	13838.856730733514	845857.3170250766	-19.19791550434776	-100.750233	348828.0549225145	340199.7345604	2859.34217959618745	2877.54719623941	2841.815320471153	16.841564942110115	15.4732007981996
585	62	60525	14498.856730733514	845857.3170250766	-19.19791487527646	-100.7483051	349029.083836021	340195.7467604	2856.932174840192	2871.125561197177	2825.7617041286843	16.836219735660573	15.4732007981996
586	62	60526	15158.856730733514	845857.3170250766	-19.1979138495551	-100.7459772	349230.11504264	340191.75914964	2856.930216154373	2869.64454657396	2821.3730581208624	16.83490049	15.4732007981996
587	62	60527	15818.856730733514	845857.3170250766	-19.19791280971841	-100.7436493	349431.146093841	340187.77170882	2856.9127477533	2868.01508909374	2822.076989956294	16.8350545350435	15.4732007981996
588	62	60528	16478.856730733514	845857.3170250766	-19.19791170591576	-100.7413214	349632.1771021555	340183.78443917	2856.9106321487	2866.580594002228	2		

ix	iy	x	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKsg.fg	BRElevBothK.fg	SatHtVg.fg	SatBoth.fg
667	82	60067	68618.85867307335	845857.3170250766	39.19788270452659	-00.5547176	365513.17407099425	4339869.351228844	2837.8891576864296	270.32217941396448	2674.039819	56.18497502627497	56.62971773302761
668	82	60068	68728.85867307335	845857.3170250766	39.19767800713999	-00.5540389	365714.7339776613	4339865.378147867	2835.922688917504	2728.360707955149	2673.3659732500846	56.21404575344755	56.13989175316328
669	82	60069	68838.85867307335	845857.3170250766	39.19763230738986	-00.5537316	365915.21381805	4339861.604340452	2837.7532434786035	2727.7532434786035	2672.619371325813	56.23403121184491	56.14924229411217
670	82	60070	68948.85867307335	845857.3170250766	39.19766848	-00.5550539	366172.1612333	4339867.432517031	2831.989751008596	2726.530030982694	2671.7494043115114	56.2184461028666	56.16935462362862
671	82	60071	71258.85867307335	845857.3170250766	39.19766345192996	-00.5481061	366317.2527065365	4339863.45966911	2829.040370179388	2725.329399	2670.8311360058995	56.1476548635717	56.14882768110446
672	82	60012	71918.85867307335	845857.3170250766	39.19765677	-00.5457782	366518.271092464	4339849.48	2825.10258606196	2724.132967190372	2669.749817772492	56.2038149418953	56.17348222711781
673	82	60013	72578.85867307335	845857.3170250766	39.1976548336646	-00.5434305	366719.291427331	4339845.515	2821.176087002599	2722.943688354717	2668.53408835937027	56.2666868811561	56.14088299844467
674	82	60014	73238.85867307335	845857.3170250766	39.1976487856293	-00.5411224	366920.310521072	4339841.54357922	2817.2439151459903	2721.754544844784	2667.184937437319	56.2422608619065	56.15275171
675	82	60015	73988.85867307335	845857.3170250766	39.197646662474	-00.5387845	367121.3284587707	4339837.571533329	2815.78965183003	2720.574298969855	2665.6737135846186	56.24007133380469	56.15976807883297
676	82	60016	74558.85867307335	845857.3170250766	39.197638032207	-00.5364665	367322.34851886203	4339833.3068933	2807.805195732695	2720.9130205309759	2662.0194764849424	56.21730289595374	56.12760545778709
677	82	60017	75218.85867307335	845857.3170250766	39.19763370254444	-00.5341387	367532.3670254506	4339829.383787275	2802.824008922325	2718.208019541312	2654.540621605099	56.2184364877217	56.13667396321264
678	82	60018	75878.85867307335	845857.3170250766	39.19762856022335	-00.5318109	367724.3856041523	4339825.657	2797.841684423213	2717.0183942325134	2649.264431432649	56.25041001699273	56.17407967008249
679	82	60019	76538.85867307335	845857.3170250766	39.1976336822735	-00.5284943	367925.4005517287	4339821.686	2793.6117854339143	2715.817854312044	2648.00749	56.2487603735669118	56.17810631861078
680	82	60020	77198.85867307335	845857.3170250766	39.19761813126664	-00.5271551	368126.4223787106	4339817.714973111	2789.33776097152	2714.599737127084	2646.8112130624105	56.24785620592361	56.17870650292361
681	82	60021	77858.85867307335	845857.3170250766	39.1976128493419	-00.5248272	368327.4605476965	4339813.744	2786.65575615226	2713.3545987645084	2645.0376245937355	56.243595369034184	56.17481876108902
682	82	60022	78518.85867307335	845857.3170250766	39.19760752245264	-00.522499	368528.4584411894	4339809.73356799	2783.17735425257	2712.07071572505	2643.59303788312	56.244335389107517	56.17566604029281
683	82	60023	79178.85867307335	845857.3170250766	39.1976021505896	-00.5201714	368734.4765865272	4339805.83158831	2780.921291168107	2710.73563874098	2643.541421544929	56.243626457678225	56.1942217168827
684	82	60024	79838.85867307335	845857.3170250766	39.19759673378087	-00.5178436	368930.4940242059	4339803.8230672	2778.88642959654	2709.33713538005	2643.790309205574	56.24348186726365	56.19449017446437
685	82	60025	80498.85867307335	845857.3170250766	39.19759217989384	-00.5155157	369131.5121	4339797.86233272	2778.851584114647	2707.80720266242383	2644.5387883743617	56.244331623073813	56.193342294497596
686	82	60026	81158.85867307335	845857.3170250766	39.1975857625153	-00.5131878	369332.5297	4339793.928305651	2777.81666863134	2706.338258287575	2645.7402542945566	56.2451544006118	56.19382149947619
687	82	60027	81818.85867307335	845857.3170250766	39.19758013340334	-00.5108599	369533.54097133576	4339789.923214796	2776.6196186014294	2704.735071850044	2647.2419626500460	56.247123276667264	56.19174335448358
688	82	60028	82348.85867307335	845857.3170250766	39.19757461686474	-00.508352	369734.5640424485	4339785.95367069	2776.599970715785	2703.128420717587	2646.35700655698	56.2422666538395	56.17418736136548
689	82	60029	82898.85867307335	845857.3170250766	39.19756925724625	-00.5058128	369935.5816958253	4339781.93887282	2776.4329680139024	2702.574354894281	2647.232648031286	56.2427835481158583	56.1720527851398
690	82	60030	83798.85867307335	845857.3170250766	39.19756329	-00.5037693	370136.5984789713	4339778.015117203	2778.67594544854	2699.797289199604	2646.648037607304	56.2465149137892336	56.15402533262035
691	82	60031	84458.85867307335	845857.3170250766	39.197557502036	-00.5015484	370337.6158269087	4339774.040680804	2778.001390390516	2698.100358487805	2646.3619159254896	56.246197849652442	56.15087610225627
692	82	60032	85118.85867307335	845857.3170250766	39.1975517805191	-00.4992205	370538.632392461	4339770.077	2778.629271662211	2696.4010041585807	2646.6548976903628	56.2461758630935	56.14761046821793
693	82	60033	85778.85867307335	845857.3170250766	39.1975456902198	-00.4968926	370739.64007741395	4339766.108081146	2778.4252114427216	2696.8822002016935	2647.3200049568036	56.2470958231624876	56.14923875813585
694	82	60034	86438.85867307335	845857.3170250766	39.19754002505616	-00.4945846	370940.6656377538	4339762.1401173705	2778.221495613321	2692.968780155844	2648.2311712506985	56.24734961623310244	56.14735867514535
695	82	60035	87098.85867307335	845857.3170250766	39.19753418113479	-00.4922268	371141.6820783203	4339758.930887262	2778.14297627849	2691.24227	2648.04831176718	56.248458453458823	56.14502581189768
696	82	60036	87758.85867307335	845857.3170250766	39.19752824477	-00.489949	371375.2825447	4339754.33790881	2778.18955440255	2689.5164607797856	2647.232648031286	56.249455051188584	56.14502581189768
697	82	60037	88418.85867307335	845857.3170250766	39.19752222339053	-00.4875811	371543.7145731349	4339750.326	2768.2330537388073	2768.2330537388073	2648.5852258145	56.24946741956843	56.14502581189768
698	82	60038	89078.85867307335	845857.3170250766	39.19751617707204	-00.4852533	371744.7306370649	4339746.26794093	2768.2330537388073	2686.0589142952094	2648.675647479074	56.2486361310721377	56.14502581189768
699	82	60039	89738.85867307335	845857.3170250766	39.19751008578931	-00.4829254	371945.7465774402	4339742.30034669	2769.650455670746	2683.3369475112	2646.8524331185947	56.24685190621137	56.14502581189768
700	82	60040	90398.85867307335	845857.3170250766	39.1975039456235	-00.4805975	372146.7623943566	4339738.33202491	2768.2330537388073	2682.61509062058	2644.677731721363	56.24445924841111	56.14502581189768
701	82	60041	91058.85867307335	845857.3170250766	39.19749776831131	-00.478296	372347.770881299	4339734.365677765	2762.97759185804	2680.307170344836	2641.86376880505	56.24231149408896	56.14502581189768
702	82	60042	91718.85867307335	845857.3170250766	39.19749142115584	-00.4759418	372548.7309832653	4339730.3987282	2762.97759185804	2680.307170344836	2641.86376880505	56.24231149408896	56.14502581189768
703	82	60043	92378.85867307335	845857.3170250766	39.19748570101632	-00.4736139	372749.809106945	4339726.431713739	2762.97759185804	2680.307170344836	2641.86376880505	56.24231149408896	56.14502581189768
704	82	60044	93038.85867307335	845857.3170250766	39.19747895491259	-00.471296	372950.82443239024	4339722.44690995	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
705	82	60045	93698.85867307335	845857.3170250766	39.1974723884471	-00.4689581	373151.83636488	4339718.4984522	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
706	82	60046	94358.85867307335	845857.3170250766	39.19746618781269	-00.4666303	373352.85471642035	4339714.532091337	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
707	82	60047	95018.85867307335	845857.3170250766	39.1974597381654	-00.4643024	373563.869657361	4339710.59059038	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
708	82	60048	95678.85867307335	845857.3170250766	39.1974534085625	-00.4619745	373754.8845120255	4339706.5989205	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
709	82	60049	96238.85867307335	845857.3170250766	39.19744718113479	-00.459613	373945.82968157	4339702.65968157	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
710	82	60050	96998.85867307335	845857.3170250766	39.19744011404335	-00.4573118	374156.913822464	4339698.66400729	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
711	82	60051	97658.85867307335	845857.3170250766	39.19743343190764	-00.4549909	374357.9285968466	4339694.702914655	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
712	82	60052	98318.85867307335	845857.3170250766	39.19742680737411	-00.452663	374558.942681201	4339690.738	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	56.14502581189768
713	82	60053	98978.85867307335	845857.3170250766	39.19742008693375	-00.4503351	374749.956879648	4339686.72486540	2763.21699592604	2675.906308633857	2630.9518762975823	56.231075017537016	5

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
53	6733	-336621.1413	846517.3170250766	39.1938900959767	-101.9867195	240268.637931333	432453.84197135	3936.694057409864	3764.652623021158	3671.4330220697634	3716.797805755255	382.19180113239447	47.854817446902416	
54	6734	-335961.1413	846517.3170250766	39.1939126693274	-101.9843879	242259.737232423	432459.7059095215	3934.998810361468	3673.130298495365	3674.2963223451098	374.860688165264	38.53397550442698	48.26961058427242	
55	6735	-335301.1413	846517.3170250766	39.19385824919787	-101.9826304	242460.814548787	432536.561923024	3951.817219723804	3675.581750879614	3753.53038992169	38.034292163691	48.0868476811153	48.0868476811153	
56	6736	-334641.1413	846517.3170250766	39.1939585	-101.9797328	242662.0488311219	432531.58423648	3929.567271913468	3760.112894979513	3678.24535	37.81624014092672	38.86754214021539	47.20358604278010	
57	6737	-333981.1413	846517.3170250766	39.193981429055306	-101.9774052	242863.1861528496	432527.501280806	3926.5113234194646	3758.616529722599	3675.623942346572	37.31351939965496	39.092587238062	45.2648967	
58	6738	-333321.1413	846517.3170250766	39.1940145905415	-101.9750776	243064.323185692	432534.41850534	3932.4537464735	3757.1260882367747	3679.919859187556	37.1245560101029	37.20702321801972	44.4814222674551	
59	6739	-332661.1413	846517.3170250766	39.19402684409767	-101.97275	243265.45980818074	432549.36	3919.57424256314	3755.6428331264	3679.471550996315	37.1713327359436	38.4166713311106	46.5248967	
60	6740	-332001.1413	846517.3170250766	39.19404948418584	-101.9704224	243466.59628732371	432551.2530211	3914.886022249634	3754.612807459173	3677.615490492797	37.0785637856175	46.30403988974431	46.30403988974431	
61	6741	-331341.1413	846517.3170250766	39.19407207931859	-101.9680486	243667.73249720843	432551.171273186	3916.16177	3752.8844777270663	3678.3744892486205	37.0536439669994	37.93063652324581	47.31617180586915	
62	6742	-330681.1413	846517.3170250766	39.19404024045699	-101.9655782	243869.86843092573	432557.08226113	3915.9545518228173	3751.190289749377	3670.851011618953	37.05199052500148	38.364527996	45.5073251054311	
63	6743	-330021.1413	846517.3170250766	39.194117134717715	-101.9634396	244070.00413400083	432563.07360392	3901.4662356567139	3749.176587831029	3666.471855625155	37.05300848439048	38.2424021797376	43.815703201979	
64	6744	-329361.1413	846517.3170250766	39.19413959	-101.961112	244271.13965732495	432568.9256777	3898.1932925568008	3748.2315265550624	3662.367377234436	36.95739877583746	38.64818836181678	45.2347637966875	
65	6745	-328701.1413	846517.3170250766	39.19416201029474	-101.9587844	244472.2747632075	432574.844176064	3894.921609444821	3746.743559430299	3659.679187	36.88692117502031	37.05478211840897	59.81744192826775	
66	6746	-328041.1413	846517.3170250766	39.1941843649665	-101.9564568	244673.40969785216	432580.7265836	3891.64295624325	3745.251494179889	3656.124047905004	36.8332800129993	38.102477938102	61.617614689879	
67	6747	-327381.1413	846517.3170250766	39.19420670649514	-101.9541292	244874.5443794682	432586.881718259	3888.845176428254	3743.7509555451456	3653.1450207136164	36.86271798877013	37.90477853152921	61.47277560444345	
68	6748	-326721.1413	846517.3170250766	39.1942289640306	-101.9518106	245075.6780825474	432592.6074293	3886.503163	3742.2415007506247	3650.4408828298323	36.7626752579222	37.8006279790126	65.17242779790126	
69	6749	-326061.1413	846517.3170250766	39.19425122196107	-101.9494739	245276.81298461416	432597.51988269	3881.62177986349	3740.723813281828	3647.804545234536	36.727244933	39.91297047729256	68.4788780634623	
70	6750	-325401.1413	846517.3170250766	39.194273412513304	-101.9471463	245477.946081664	432597.43939581	3881.8231916437392	3739.19781071310874	3645.50948322827	36.632309034173722	37.8006279790126	75.9669073167033	
71	6751	-324741.1413	846517.3170250766	39.1942955808971	-101.9448187	245679.08057870362	432600.3588234	3879.13256450381	3737.663272860078	3643.899382371053	36.55502963000555	37.8349055495484	82.6394382595228	
72	6752	-324081.1413	846517.3170250766	39.19431765871027	-101.9424911	245880.21399923493	432606.7765409	3876.09387686113	3736.119849734227	3643.027638	36.4681021894421	39.03221193487701	88.1176620400108	
73	6753	-323421.1413	846517.3170250766	39.194301365	-101.9401635	246081.347166665	432602.19709369	3873.06512870446	3734.567047114744	3642.857739309764	36.44460350275977	39.17930814	89.903389965486	
74	6754	-322761.1413	846517.3170250766	39.19436172505451	-101.9378359	246282.4801835013	432608.11842077	3870.02763970376	3730.02735896135	3640.26537432198	36.446470931	38.74218615742757	86.5333063447354	
75	6755	-322101.1413	846517.3170250766	39.1943515461793	-101.9352491	246496.314706274	432614.91881587	3868.947886722287	3729.17009363889	3643.4021115357486	36.41110244939316	38.825133436915	78.1922736338617	
76	6756	-321441.1413	846517.3170250766	39.194405511643816	-101.9331086	246684.7452613838	432619.95566893	3862.391347376073	3729.945314222576	3648.1847610196337	36.556754912826304	38.16500530273292	73.0904020967125	
77	6757	-320781.1413	846517.3170250766	39.19442748746437	-101.930853	246885.877423661	432624.80536863	3858.33114572183163	3728.247022789616	3648.74650688122	36.62548517900103	37.6005619193879	65.40145097995128	
78	6758	-320121.1413	846517.3170250766	39.19444931836883	-101.9282524	247087.00933576326	432624.801196881	3854.232104858106	3726.634684924337	3647.885764399627	36.642545925321275	37.7480209238101	62.3800919692161	
79	6759	-319461.1413	846517.3170250766	39.1944711	-101.9261978	247288.141	432627.72224207	3849.722765057826	3720.07065504067	3646.503804528927	36.60390102181818	38.7800697576999	64.6169632	
80	6760	-318801.1413	846517.3170250766	39.194492845259521	-101.9238701	247489.274	432628.64347775	3844.75339189696	3723.367979141747	3644.940270182625	36.54167029183084	38.4222583234822	69.1957688966347	
81	6761	-318141.1413	846517.3170250766	39.194515461793	-101.9214545	247690.314706274	432634.91881587	3843.947886722287	3721.7009363889	3643.4021115357486	36.41110244939316	38.825133436915	78.1922736338617	
82	6762	-317481.1413	846517.3170250766	39.1945361923445	-101.9192149	247891.5347433222	432642.48643179	3844.010935841216	3721.063979141747	3644.940270182625	36.54167029183084	38.4222583234822	69.1957688966347	
83	6763	-316821.1413	846517.3170250766	39.1945577984478	-101.916873	248092.665103266	432641.408233618	3835.565699347043	3718.3144589023273	3644.06596016599	36.44659636971072	37.7048948572821	72.2487652052202	
84	6764	-316161.1413	846517.3170250766	39.19457935994776	-101.9145596	248293.7955517848	432647.30185786	3826.814748486883	3716.5896260786494	3645.859301927685	36.447295284074953	37.7048948572821	72.2487652052202	
85	6765	-315501.1413	846517.3170250766	39.19460087578528	-101.912232	248494.9257139038	432643.25231964	3823.06450426752	3714.841938169563	3645.93173496172	36.444834171290875	38.0425885526009	70.0025210407559	
86	6766	-314841.1413	846517.3170250766	39.19462234701933	-101.909904	248696.0566258873	432649.17493184	3819.3132259660733	3713.0684952071704	3645.13644789064	36.39407496935329	38.6324071150644	73.9393860486133	
87	6767	-314181.1413	846517.3170250766	39.1946437323668	-101.9075767	248897.1852904412	432645.957132443	3816.4015192506633	3711.265798	3644.380382962529	36.33300075	37.6884547	76.284582	
88	6768	-313521.1413	846517.3170250766	39.1946515461793	-101.9052491	249096.314706274	432651.91881587	3814.947886722287	3709.428671071777	3643.110244939316	36.41110244939316	38.825133436915	78.1922736338617	
89	6769	-312861.1413	846517.3170250766	39.1946584958241	-101.9029214	249299.4837308747	432656.9433	3812.530521036881	3707.550500276288	3639.964818173361	36.3926727239976	37.6884547	76.284582	
90	6770	-312201.1413	846517.3170250766	39.194707782390275	-101.9005938	249500.5749158582	432632.965714229	3810.1837519875403	3705.635910262087	3638.2296421590154	36.428704587300215	37.40626810319327	77.513229620731	
91	6771	-311541.1413	846517.3170250766	39.1947290284148	-101.8982626	249701.7041691582	432638.78883159	3807.1807117984503	3703.6650102713993	3636.0983217295952	36.264876581480407	37.89773738	78.97773738	
92	6772	-310881.1413	846517.3170250766	39.1947502363304	-101.8959385	249902.82884661	432634.384712	3804.11543950034	3701.634474516434	3634.05805158307	36.247384962439876	37.61831295812656	79.6495120756422	
93	6773	-310221.1413	846517.3170250766	39.1947713688738	-101.8936109	250103.95809520567	432630.63930087	3800.7628611051404	3699.3382636119	3632.9784195989385	36.21624751551435	36.6602214	79.71405681	
94	6774	-309561.1413	846517.3170250766	39.19479244984591	-101.8912632	250305.0859654452	432635.755969687	3797.4008119807	3697.4684888817	3631.585105212406	36.20349483244667	36.7533454741125	79.7363965	
95	6775	-308901.1413	846517.3170250766	39.194815461793	-101.8890214	250506.656822004	432642.91881587	3795.74825045045	3695.9713560195477	3631.33060588949	36.30610287081495	36.546714209993	78.1922736338617	
96	6776	-308241.1413	846517.3170250766	39.19483546674655	-101.8866279	250734.1014994703	432638.40778256	3793.32597420129	3692.722045746386	3629.83482875943762	36.23842827519615	37.1041502527369	79.7363965	
97	6777	-307581.1413	846517.3170250766	39.1948555345707	-101.8843003	250908.4865851887	432634.36232	3795.07482504502	3690.391583298117	3628.853995682275	36.2919740676305	36.41851626473653	60.194122621814	
98	6778	-306921.1413	846517.3170250766	39.19487649521067	-101.8819726	251109.59522489132	432630.2657	3787.748954849519	3687.181691495819	3628.37404969387	36.31811605448396	36.45448252688153	49.6987300503472	
99	6779	-306261.1413	846517.3170250766	39.19489732007305	-101.879645	251310.721971								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
179	83	60859	-253461.1413	846517.3170250766	39.19642268184917	-01.6934288	267400.0771565125	4342030.743	3556.385619979746	3520.1738824712014	3506.6871082382896	3515.412337288254	4.7612451829472775	
180	83	60860	-252801.1413	846517.3170250766	39.196439507008255	-01.6911011	267601.184655969	4342026.682581201	3564.0729762296705	3517.911969505082	3505.6381977501388	3513.713731392585	4.073855512921445	
181	83	60861	-252141.1413	846517.3170250766	39.196451702707436	-01.6887738	267802.3821282635	4341992.621282635	3571.780324765946	3515.4123371530217	3502.9624515447795	3514.658715324821	12.419897348242153	6.5733761782005974
182	83	60862	-251481.1413	846517.3170250766	39.19647426244667	-01.6864456	268003.3969979631	4341978.765213955	3587.4476887295186	3513.0735623221946	3500.3225279180656	3500.0608698353414	12.715035304865978	0
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187	83	60867	-248191.1413	846517.3170250766	39.19655936424238	-01.674868	269008.3063182547	4341996.852382998	3609.965775252425	3501.2778777970295	3491.912001037645	3544.1176880563894	9.36597691384487	
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189	83	60869	-246861.1413	846517.3170250766	39.196593002039915	-01.6701513	269411.1409471612	4341990.145003237	3616.4717362369092	3496.6359925044194	3489.4120383846036	3527.23954115958804	7.23935415958804	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f
305	83	60985	-173030.1413	846517.3170250766	39.19824148284892	-11.40017246	292737.8693316407	341451520.526338949	3418.530470350746	3248.452323027453	3218.3994170182227	3264.952670765955	30.0258181225261	0
306	83	60986	-169641.1413	846517.3170250766	39.198253062830354	-10.3977967	292938.59441962234	341516.48845423	3414.912193664104	3247.4064674527	3216.615670961406	3262.3123176212727	30.79079650506232	0
307	83	60987	-168891.1413	846517.3170250766	39.19824498784845	-10.3984698	293140.029303785	341512.450731946	3412.322182698747	3209.435849780142	3215.263133889368	31.16702704583917	35.7886846460135	0
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310	83	60990	-167001.1413	846517.3170250766	39.19822089331242	-10.3884853	293743.26773532067	341500.33872247	3403.57037312621	3243.780023	3211.7914225803023	320.519727716357	31.98860080229876	27.9987256849023
311	83	60991	-166341.1413	846517.3170250766	39.19831028828692	-10.3861574	293944.346	341496.30179149	3406.029891	3242.9656893676	3210.0284191152246	320.0080101404255	32.93718992	42.8855042604356
312	83	60992	-165681.1413	846517.3170250766	39.1983215848479	-10.3838295	294154.42567429296	341492.264363111	3406.1732384445	3242.181540898513	3209.425652071895	3214.041758373896	32.69897595	50.3067824846631
313	83	60993	-165021.1413	846517.3170250766	39.19832568725554	-10.3819187	294346.504	341489.228313133	3407.324759958474	3241.424812741188	3207.9338226747	3215.962133889368	33.4952714744104	55.7886846460135
314	83	60994	-164361.1413	846517.3170250766	39.1983402639962	-10.3791738	294547.5828027867	341484.191870197	3408.47215985614	3240.692851300787	3207.098233254596	3154.4253138226793	33.9566174720212	86.2673374781066
315	83	60995	-163701.1413	846517.3170250766	39.1983552931022	-10.3768459	294746.661037688	341480.567003055	3409.264517	3239.961735843176	3206.785081226185	3147.0151425296215	32.9671235813267	92.9660838181023
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319	83	60999	-161061.1413	846517.3170250766	39.19839951091698	-10.3673534	295552.0720895701	341464.01235984	3410.849819253817	3237.288954027092	3208.215864220567	3248.394720356137	29.02746761	0
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335	83	61015	-150501.1413	846517.3170250766	39.19856932315736	-10.3302883	298770.1842733935	341399.4841440825	3376.262205338564	3226.433226592107	3219.3812531229324	3218.101095339747	32.8519941476287	38.33213125046395
336	83	61016	-149841.1413	846517.3170250766	39.19857954229404	-10.3279064	298971.2589629655	341395.43566021	3372.90175754009	3219.3530991536	3219.453672000179	3216.055241215244	32.749898591279	29.678299167921876
337	83	61017	-149181.1413	846517.3170250766	39.19858974	-10.3256326	299172.321641962	341391.403356314	3369.55616977053	3225.035617357837	3218.454709217534	3219.228466	35.68008014030129	32.80715901655665
338	83	61018	-148521.1413	846517.3170250766	39.19859891841584	-10.3233047	299373.4058312782	341387.37123225	3366.203151966697	3224.304390891055	3217.5892293121624	3218.9650921172085	36.179727098814	37.390231998194205
339	83	61019	-147861.1413	846517.3170250766	39.19860997766172	-10.3209768	299574.479301087	341383.33287896	3363.955103969467	3223.64887723264	3218.500500707642	3218.8456294896314	38.79051073801154	38.79051073801154
340	83	61020	-147201.1413	846517.3170250766	39.19862002867458	-10.3186498	299789.55257328279	341379.37032815	3362.732057890634	3222.861787453317	3217.91671855544	3219.1608126158324	44.8516415878683	44.8516415878683
341	83	61021	-146541.1413	846517.3170250766	39.19863004	-10.316321	299985.69465470565	341375.27589075	3359.868597941333	3222.280273382708	3218.11967427188	3219.63931733517	46.169385551762	38.8465815491861
342	83	61022	-145881.1413	846517.3170250766	39.19863996417924	-10.3139391	300177.6985292484	341371.24543367	3358.058693308946	3221.608748747609	3218.267823956523	3218.95253162546	39.0432485246255	39.0432485246255
343	83	61023	-145221.1413	846517.3170250766	39.1986499747188	-10.3116652	300378.7712116074	341367.21303941	3356.00030339396	3220.9492451749634	3217.851570082173	3219.0855293801817	42.1940881667404	41.8537316541634
344	83	61024	-144561.1413	846517.3170250766	39.19865978410172	-10.3093373	300579.84369820845	341363.18264417	3353.860440307567	3220.60476223546	3217.772806468473	3219.794576448832	43.0214077487184	40.89662117372245
345	83	61025	-143901.1413	846517.3170250766	39.19866961049775	-10.3070904	300780.9189857681	341359.151	3351.717680470734	3220.68865746868	3217.8357623990346	3217.94477276995	43.0331034733346	41.89159289897295
346	83	61026	-143241.1413	846517.3170250766	39.19867939152906	-10.3048815	300981.886838131638	341355.1207130715	3348.571025053905	3219.49339	3217.4141397236534	3217.94582286133	43.652589044681	42.29104041
347	83	61027	-142581.1413	846517.3170250766	39.19868912639645	-10.3026883	301189.492747776	341351.058499402	3347.1320587773757	3220.135698049413	3216.953369127584	3215.9071764540595	44.8516415878683	44.8516415878683
348	83	61028	-141921.1413	846517.3170250766	39.19869881989896	-10.3004858	301384.1317	341347.05982168	3345.0544984842	3217.84539186376	3217.413489193344	3217.94582286133	46.235910033168	43.2222312822434
349	83	61029	-141261.1413	846517.3170250766	39.19870840643898	-10.2987697	301585.203	341343.03	3343.776329709164	3217.270306166238	3217.2318407401726	3217.94582286133	46.235910033168	43.2222312822434
350	83	61030	-140601.1413	846517.3170250766	39.19871806801392</									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBotKgr.f	SatThkLog.f	SatThkBot.f
431	83	1111	-8711.14313	846517.3170250766	39.1993464696796718	-101.1068087	318072.4222470856	3441013.168792396	3236.96969808878	3067.89742916212	3032.528483848203	3034.579999	39.1993464696796718	35.29740317748189
432	83	1112	-8649.14131	846517.3170250766	39.19935236243296	-101.1044480	318273.4762526244	3441008.153504505	3237.51623382332	3067.799501904815	3031.129663784125	3031.368861727704	39.19935236243296	36.37139018177762
433	83	1113	-8582.14131	846517.3170250766	39.199362524686606	-101.1021528	318473.5146163638	3441005.138467795	3238.076248673476	3067.68484731654	3028.620138570164	3028.720557192781	39.199362524686606	37.5885791723861
434	83	1114	-8501.14131	846517.3170250766	39.19936407644038	-101.0999420	318675.58976943025	3441001.123574158	3238.63097390645	3065.504648	3025.5196725364435	3026.2423218377994	39.19936407644038	37.26425418203635
435	83	1115	-8430.14131	846517.3170250766	39.199369860000594	-101.0974689	318876.64525472943	3440997.108859623	3238.74033242308	3061.4116327487286	3022.81897476732	3026.317526480982	39.199369860000594	35.09410626782375
436	83	1116	-8384.14131	846517.3170250766	39.19937559059533	-101.095169	319077.70062651396	3440993.004324173	3233.52456394379	3059.32246991239	3020.071147	3025.481193911648	39.19937559059533	33.8512910074346
437	83	1117	-8318.14131	846517.3170250766	39.19938128022464	-101.0928411	319278.7556929574	3440987.07966212	3232.2687874695505	3057.2691648448916	3016.956651848848	3016.956651848848	39.19938128022464	32.8803805432615
438	83	1118	-8252.14131	846517.3170250766	39.19938684884845	-101.0905131	319479.8106468818	3440985.05790571	3231.01303992712	3055.2228003217238	3013.5487919827462	3023.2520715414184	39.19938684884845	31.97072878035038
439	83	1119	-8186.14131	846517.3170250766	39.199392524686606	-101.0881852	319680.854236262	3440981.17929286	3228.2125745587973	3053.194792712354	3009.3887484843716	3022.869639032386	39.199392524686606	30.297844122721926
440	83	1120	-8120.14131	846517.3170250766	39.19939807931965	-101.0858572	319881.9200418138	3440977.037973132	3225.867428170546	3051.187148745546	3003.69488282418	3022.655050166163	39.19939807931965	28.53256352362832
441	83	1121	-8054.14131	846517.3170250766	39.19940358098699	-101.0835293	320082.97444810846	3440973.042330318	3225.5222811871372	3049.20320090781	2997.3805470452357	3022.564264427086	39.19940358098699	26.858293648072504
442	83	1122	-7988.14131	846517.3170250766	39.1994090388881	-101.0812014	320284.028695855	3440969.010871942	3228.1717353921962	3047.2468090357074	2988.1001067537572	3019.65409110937	39.1994090388881	27.2820321461376
443	83	1123	-7922.14131	846517.3170250766	39.19941447372511	-101.0788734	320485.08276763116	3440965.987589094	3227.7087227720505	3045.3194051714846	2976.071160778087	3016.8426241153721	39.19941447372511	26.49424402197736
444	83	1124	-7856.14131	846517.3170250766	39.19941984859512	-101.0765455	320686.13666367374	3440960.98448692	3225.1170427335977	3043.423413235707	2962.0933972188013	3015.076473519209	39.19941984859512	26.345967803298916
445	83	1125	-7790.14131	846517.3170250766	39.19942517850117	-101.0742715	320887.1903840818	3440957.991562898	3225.5216393695876	3041.339711136896	2944.441332	2991.536785702636	39.19942517850117	25.00299541100503
446	83	1126	-7724.14131	846517.3170250766	39.19943046344078	-101.0718896	321088.2439201674	3440952.9581791	3219.933681454778	3039.470674879556	2938.67758933367	2974.1697878117026	39.19943046344078	23.92007106085395
447	83	1127	-7658.14131	846517.3170250766	39.19943570341489	-101.0696317	321289.279	3440948.65421929	3217.0755821662	3036.446468324413	2937.895739700786	2940.7206912846776	39.19943570341489	23.725755347946688
448	83	1128	-7592.14131	846517.3170250766	39.1994408942341	-101.0672337	321490.3504940802	3440944.933664397	3216.27734777527	3031.86125629159	2940.186478614945	3008.039824746633	39.1994408942341	25.12812354954037
449	83	1129	-7526.14131	846517.3170250766	39.19944584466385	-101.0649058	321691.0435143184	3440940.921656935	3214.70403733338	3029.8413040938396	2943.053779	2984.056771	39.19944584466385	25.364569611629577
450	83	1130	-7460.14131	846517.3170250766	39.19945115354732	-101.0625778	321892.4563060182	3440936.906297707	3213.130467267238	3026.907048759938	2946.0351444208436	3002.960298592221	39.19945115354732	23.84679480771704
451	83	1131	-7394.14131	846517.3170250766	39.19945621365545	-101.0602499	322293.5903138146	3440932.897778747	3211.9389156921667	3023.782618176912	2948.6811935774	3000.5368187589925	39.19945621365545	23.15638041271817
452	83	1132	-7328.14131	846517.3170250766	39.19946122801558	-101.0578219	322591.65152861467	3440928.886	3210.9536761525646	3020.88010458595	2946.7131047872516	2999.405167931516	39.19946122801558	22.44963256369883
453	83	1133	-7262.14131	846517.3170250766	39.19946632802204	-101.055454	322895.278459574	3440924.74514607	3210.02979775463	3018.94984986665	2948.0801981369762	2997.940214376988	39.19946632802204	21.24316438929237
454	83	1134	-7196.14131	846517.3170250766	39.19947112419698	-101.0532661	322966.6605115395	3440920.8633014085	3208.1935454005003	3015.47773202031	2953.392704323643	2998.433127508695	39.19947112419698	20.0503375927875
455	83	1135	-7130.14131	846517.3170250766	39.19947604446204	-101.0509381	322987.7179775877	3440916.85271641	3208.30014500831	3012.889468	2954.549242207107	2998.4604318790493	39.19947604446204	18.84521630204312
456	83	1136	-7064.14131	846517.3170250766	39.19948083972981	-101.0486102	323098.769703491	3440912.842112814	3207.41324224772	3010.40785375129	2955.69818273744	2996.71073549494	39.19948083972981	17.64502601704415
457	83	1137	-6998.14131	846517.3170250766	39.19948563004773	-101.0462822	323299.8214100045	3440908.834564001	3206.526319048304	3008.432397822274	2956.7959564562586	2996.71073549494	39.19948563004773	16.4171074047
458	83	1138	-6932.14131	846517.3170250766	39.19949037539999	-101.043943	323500.872667594	3440904.819837901	3205.6342281753915	2998.237032	2956.454069625447	2987.0195972451354	39.19949037539999	15.87623244
459	83	1139	-6866.14131	846517.3170250766	39.19949517969686	-101.0416237	323701.924259265	3440900.80471311	3204.7693386818984	2996.527429128656	2955.4632982128656	2986.90219213743	39.19949517969686	14.68847214833794
460	83	1140	-6800.14131	846517.3170250766	39.19950127120976	-101.039284	323902.975322095	344098.799	3203.577894561838	3002.426115920592	2943.7271505022	2982.05216659574	39.19950127120976	13.5464743754262
461	83	1141	-6734.14131	846517.3170250766	39.19950543166442	-101.0369704	324104.02630160353	3440892.789116796	3199.0961753270773	3000.01835555495	2962.252951524458	2987.70674894389	39.19950543166442	12.434606461106246
462	83	1142	-6668.14131	846517.3170250766	39.19950980715441	-101.0346425	324305.0770688016	3440888.779234867	3196.66046087727	2998.843102221528	2957.1702559185205	2983.996715105037	39.19950980715441	11.484638770444497
463	83	1143	-6602.14131	846517.3170250766	39.19951342678716	-101.0323146	324506.127661175	3440884.769531806	3193.7533891547	2997.140306	2984.02343411863	2941.411386734983	39.19951342678716	10.31159116873445
464	83	1144	-6536.14131	846517.3170250766	39.19951790326206	-101.0299866	324707.1780877369	3440876.70057611	3190.35980704035	2995.4848710891765	2951.05284168898	2978.073035090585	39.19951790326206	9.142114048959174
465	83	1145	-6470.14131	846517.3170250766	39.199522533825004	-101.0276587	324908.2283994059	3440876.75066228	3187.022772022529	2993.868530894955	2948.807289537486	2974.96525164117	39.199522533825004	8.169043193234265
466	83	1146	-6404.14131	846517.3170250766	39.19952719496768	-101.0253307	325109.278459574	3440872.741495774	3183.65473624411	2992.2805911621	2946.10213599163	2974.96525164117	39.19952719496768	7.150461243892327
467	83	1147	-6338.14131	846517.3170250766	39.19953106	-101.0230208	325310.3283371036	3440868.73208118	3180.21845118882	2990.73659581074	2943.227457961074	2981.40397572872	39.19953106	6.1583905778985
468	83	1148	-6272.14131	846517.3170250766	39.19953535581096	-101.0206748	325511.3708971034	3440864.732699294	3176.71339647498	2989.210814321584	2940.0687610518657	2958.79042053685	39.19953535581096	5.1412503092054
469	83	1149	-6206.14131	846517.3170250766	39.1995396054027	-101.0183469	325712.42763806204	3440864.706929934	3173.2068321761338	2987.52768524355	2936.4145304171993	2951.727246728095	39.1995396054027	4.018670135453696
470	83	1150	-6140.14131	846517.3170250766	39.19954381230378	-101.0160189	325913.47307396903	3440856.7068182	3170.703305704967	2986.221988113692	2933.187454729595	2957.17945942973	39.19954381230378	3.03455281774412
471	83	1151	-6074.14131	846517.3170250766	39.19954797310154	-101.013691	326114.52626366	3440852.68345723	3167.2427478310683	2984.755672847075	2929.904893951173	2932.830179438	39.19954797310154	2.51923933
472	83	1152	-6008.14131	846517.3170250766	39.1995520689331	-101.011343	326315.5752126945	3440848.6902131	3164.9626785502594	2983.307517054174	2926.861371308711	2926.861371308711	39.1995520689331	1.50440254906206
473	83	1153	-5942.14131	846517.3170250766	39.19955619789686	-101.009049	326519.244399917	3440844.6961816	3162.04058732485	2981.832905981817	2924.33283903818	2924.33283903818	39.19955619789686	0.5190319049683
474	83	1154	-5876.14131	846517.3170250766	39.19956018750005	-101.0067701	326717.67292724494	3440840.674601337	3160.00400029524	2980.46710502564	2920.3560697012185	2918.8548997888737	39.19956018750005	0.161283025164312
475	83	1155	-5810.14131	846517.3170250766	39.19956416663459	-101.0043792	32691							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfBothKrg.ft
557	61237	-3981.1411327	846517.3170250766	39.19973784060505	-100.3148667	343404.14560406802	4340508.654925307	3044.2926308052074	2942.148837675018	2862.328583441587	2862.5601811610981	41.8863004234307
558	61238	-3221.1411327	846517.3170250766	39.199737852819196	-100.3118158	343005.18064117163	4340504.661771364	3042.5769575725296	2940.3049851311164	2860.3947444761396	2860.3901965574724	42.614791753374424
559	61239	-2661.1411327	846517.3170250766	39.1997380960725	-100.3080838	343006.21588992258	4340504.661771364	3038.9080671034863	2938.5426590400025	2858.4783680916185	2858.4783680916185	43.568472253733946
560	61240	-2001.1411327	846517.3170250766	39.1997381954211	-100.3050529	344007.250758511867	4340506.672775944	3036.9311569728454	2900.72017156972845	2856.3301987294244	2856.287113264685	44.343584344
561	61241	-1341.1411327	846517.3170250766	39.19973830928485	-100.3047419	344208.28552899047	4340492.686001947	3037.0621119625825	2893.682852732362	2854.4255908104824	2854.450660973745	45.20203712899415
562	61242	-661.14113269	846517.3170250766	39.19973837174445	-100.3018469	344409.3201226512	4340488.626502148	3035.1928643931287	2898.550932506694	2852.842175383114	2852.281505965265	46.2731275554043
563	61243	-21.14132693	846517.3170250766	39.19973840298786	-100.799519	344610.5546400324	4340484.70108856	3032.9427432014313	2897.490806457616	2852.068145727225	2851.2277881331727	46.26220303939121
564	61244	638.856673033514	846517.3170250766	39.1997388105519	-100.797191	344811.3888541531	4340470.70489896	3030.3257849349139	2896.429358388638	2850.574841786625	2849.731975844297	47.45304580436409
565	61245	1298.856673033514	846517.3170250766	39.19973891546346	-100.794663	345012.4222691185	4340476.717827347	3027.704183575487	2895.365390000025	2851.183458690453	2851.183458690453	48.55591265017407
566	61246	1958.856673033514	846517.3170250766	39.19973920407175	-100.7925351	345213.45569116115	4340472.727	3025.025157681545	2894.26595920037	2853.36933184627	2849.664925447857	49.603717740099
567	61247	2618.856673033514	846517.3170250766	39.19973940813018	-100.7902071	345414.09481942005	4340468.753458157	3021.5415311468503	2893.2188014824046	2857.223837365911	2851.6903677293135	50.9004111663411
568	61248	3278.856673033514	846517.3170250766	39.1997374722291	-100.787792	345615.5245068122	4340464.74490544	3019.187116834937	2892.130387907905	2859.239761717674	2858.61468098784	52.380961736137645
569	61249	3938.856673033514	846517.3170250766	39.19973760134947	-100.7855512	345816.5580440174	4340458.73700956	3012.6028518971396	2891.0296348127954	2861.380404556405	2862.399127374256	53.62902302369242
570	61250	4598.856673033514	846517.3170250766	39.19973731050967	-100.7832232	346017.59143124416	4340456.73089325	3008.160512	2889.916342149846	2863.3148712784423	2865.619804743644	54.4607140781403762
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605	61285	27698.856673033514	846									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtEvLogKrg.ft	SatHtBoth.ft
683	61363	79178.85867307335	846517.3170250766	39.19941481941196	-105.201645	368733.4490214712	3440006.968202741	2780.8197819690827	2710.465806808755	2642.475967475004	2642.731528995473	267.9898383325445	67.3236538120747	
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685	61365	84458.85867307335	846517.3170250766	39.1994039053522	-105.178366	369135.4841571764	3439999.923221411	2781.088082928178	2708.836928264313	2643.819041709277	2643.819041709277	63.768146477332	63.768146477332	
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721	61401	104258.85867307335	846517.3170250766	39.19917784462462	-104.317031	376372.03194687905	3439856.218144776	2745.430317	2653.068812008447	2620.15087180039	2620.5695414047053	30.73204051078326	30.59401051430395	
722	61402	104918.85867307335	846517.3170250766	39.19917028780705	-104.293751	376573.0449179013	3439852.25484734	2744.915727854724	2651.844751456785	2619.338055044736	2619.852077965473	32.10853402119117	31.96273491396186	
723	61403	105578.85867307335	846517.3170250766	39.19916308818433	-104.270472	376774.07677636036	3439848.291010327	2741.91369916952	2650.6193578009723	2618.91313682225	2618.91313682225	31.416223014398	31.416223014398	
724	61404	106238.85867307335	846517.3170250766	39.19915625165985	-104.247193	376975.070517001	3439844.327694453	2741.91369916952	2649.357859580204	2618.91313682225	2618.91313682225	29.2937130507278	29.2937130507278	
725	61405	106938.85867307335	846517.3170250766	39.19914912865598	-104.224035	377197.09561325656	3439840.16101812	2741.91369916952	2648.9101896247	2618.409021723272	2618.409021723272	27.268928722325	27.268928722325	
726	61406	10828.85867307335	846517.3170250766	39.1991339612315	-104.177355	377578.107992148	3439832.8383346	2741.91369916952	2647.667322773404	2617.34928403862	2618.592104710365	28.3180387347822	27.07521850633827	
727	61407	108878.85867307335	846517.3170250766	39.199125406931	-104.154076	377791.1202531985	3439828.47233467	2741.91369916952	2646.41263461987	2615.794167080127	261			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatElevKrg.ft	SatHtBoth.ft
69	84	61489	-326061.1413	847177.1732025076	39.19606376077254	-01.9495025	425480.9030621013	4342679.800491568	3883.255602272631	37.38.634777337893	3641.775099813085	3670.245908595394	36.85967752475426	68.3889874244508
70	84	61490	-325401.1413	847177.1732025076	39.19606595867985	-01.9471748	425482.4304967349	4342675.719651364	3880.333466480804	37.37.100047129124	3638.8328423873168	36.72836595780209	36.26720471480729	82.37169037370359
71	84	61491	-324741.1413	847177.1732025076	39.19610390406455	-01.9449481	425483.1675187162	4342671.638963154	3879.520685370908	37.35.56567289211685	3638.20927442796	36.59762762923934	36.35045247837345	95.72361699787616
72	84	61492	-324081.1413	847177.1732025076	39.19613010918173	-01.9425195	425484.300809595024	4342675.585163045	3874.1835999210736	37.34.003218391917	3634.3359105499712	36.20820541120503	36.06747410013337	105.76047410013337
73	84	61493	-323421.1413	847177.1732025076	39.19615254512325	-01.9401918	425485.437788230304	4342674.872229696	3871.0602342712396	37.32.4399003171884	3633.4162593486372	36.23261273544568	36.0236040683517	109.21372672530271
74	84	61494	-322761.1413	847177.1732025076	39.196174227	-01.9378641	425486.5665152562	4342673.98108402	3867.93686921404	37.30.865466	3634.284133906137	36.27553510037805	36.019218429828	130.311955813049
75	84	61495	-322101.1413	847177.1732025076	39.19619623000784	-01.9355364	425487.6690909515	4342673.8187106	3864.42855744592	37.29.278400510707	3636.26305863191	36.34877620155985	36.0159014817968	91.63221203577223
76	84	61496	-321441.1413	847177.1732025076	39.19621815435378	-01.9332088	425488.8113135963	4342671.238427917	3860.53289648001	37.27.679353121234	3638.476964590787	36.46776700353418	36.02238852	78.9124396840025
77	84	61497	-320781.1413	847177.1732025076	39.19624003074958	-01.9308618	425489.9632889072	4342670.158863392	3858.602455967015	37.25.96527089868	3640.233605445529	36.59926019742338	36.8518225433305	95.46542966523295
78	84	61498	-320121.1413	847177.1732025076	39.19625186218816	-01.9285534	425491.0591163795	4342670.074795959	3855.748034321395	37.24.463570893305	3641.009789059740	36.66672483659239	36.44827936744026	58.015846027874035
79	84	61499	-319461.1413	847177.1732025076	39.19626253466834	-01.9262257	425492.2264838097	4342670.00947668	3848.6431719264874	37.22.7908715243934	3641.35277105225285	36.714033036938	36.41837004726492	61.38386118555536
80	84	61500	-318801.1413	847177.1732025076	39.19630530919324	-01.923898	425493.35770562425	4342634.921255906	3844.3252410416142	37.21.70805540944	3641.4150348071	36.504396548413816	36.71557704702326	66.22346207221272
81	84	61501	-318141.1413	847177.1732025076	39.196327086759744	-01.9215703	425494.486772854	4342634.824217725	3840.0072561071415	37.19.433670784667	3641.6389077074867	36.505388670675315	36.70408685889461	69.05492298020282
82	84	61502	-317481.1413	847177.1732025076	39.19634873386854	-01.9192427	425495.619398936	4342626.76370654	3835.689298763407	37.17.7386230729658	3642.6756387634077	36.5293379470455	36.70528430955603	68.2595037
83	84	61503	-316821.1413	847177.1732025076	39.19637034502048	-01.916915	425496.74867096107	4342622.6852675	3831.9710951315049	37.16.0140890271	3644.481634851999	36.51254336454272	36.71757495521216	64.7633134748386
84	84	61504	-316161.1413	847177.1732025076	39.19639190671464	-01.9145783	425497.8609033825	4342618.6009927	3828.8512475460334	37.14.250326	3646.119024525681	36.498475402112903	36.8140311567981	65.7839236057056
85	84	61505	-315501.1413	847177.1732025076	39.1964134245125	-01.9122598	425499.0106684402	4342614.52888187	3825.732476054077	37.12.4832571618324	3645.923081233109	36.46191466447268	36.6504463827235	65.5696116820735
86	84	61506	-314841.1413	847177.1732025076	39.19643485032026	-01.9099319	425490.1397045025	4342610.4505276	3822.614743750613	37.10.67998331472	3644.4250351483297	36.4234931364688	36.6508631814208	67.510606298373
87	84	61507	-314181.1413	847177.1732025076	39.19645632	-01.9076042	425491.260265495	4342613.73205573	3819.878206438685	37.08.45216641324	3642.3271151860193	36.3187149601011	36.6517013553043	76.9737203122308
88	84	61508	-313521.1413	847177.1732025076	39.19647713071533	-01.9052765	425492.39849182012	4342606.25640242	3816.975048070603	37.06.95248070603	3640.173860091204	36.33349627328984	36.6019719393915	73.03215134670472
89	84	61509	-312861.1413	847177.1732025076	39.19649904821236	-01.9029488	425493.5274696232	4342598.218557183	3815.169538090595	37.05.064703424232	3637.1176837378	36.31639504128393	36.60293593046523	73.425200885907
90	84	61510	-312201.1413	847177.1732025076	39.19652032776962	-01.9006211	425494.65619913687	4342589.141058378	3812.815204013076	37.03.108569877243	3635.9035026497336	36.255202955467	36.20506722300534	75.5553669172593
91	84	61511	-311541.1413	847177.1732025076	39.19654136944584	-01.8983294	425495.7824547507	4342580.954	3808.926186823218	37.01.906284823218	3634.81261984823218	36.2186136818232	36.20063980571204	75.04672308
92	84	61512	-310881.1413	847177.1732025076	39.19656278179278	-01.8959567	425496.9129140382	4342585.967197569	3807.0186531412207	36.99.033311595852	3632.360696734354	36.1856837938991	36.67261486244651	84.1764736569118
93	84	61513	-310221.1413	847177.1732025076	39.1965833886757	-01.893638	425501.0409898597	4342581.91054311	3803.939087472402	36.96.03079761028	3630.771506	36.14082217086286	36.67261486244651	88.075260103352
94	84	61514	-309561.1413	847177.1732025076	39.1966050598443	-01.8913103	425509.16683818106	4342577.834076326	3800.859483132578	36.94.70513985867	3629.477878183236	36.13190182740611	36.62276114	80.80331245254858
95	84	61515	-308901.1413	847177.1732025076	39.19662611814338	-01.8898826	425505.291292325	4342579.7754955	3799.169294112497	36.92.4037932575807	3628.352176	36.12712655	36.6168168395063	75.059625299092
96	84	61516	-308241.1413	847177.1732025076	39.19664714033443	-01.8866549	425507.142337318909	4342569.681664414	3798.86598171218	36.90.0767611770216	3627.3993826962255	36.0251069081823	36.62773484979605	69.56607019090325
97	84	61517	-307581.1413	847177.1732025076	39.19666812	-01.8843272	425508.650702955	4342565.038977575	3798.5974282343475	36.88.64282341917265	3626.8236241917265	36.0181970441172486	36.6018704478271754	68.323386175271754
98	84	61518	-306921.1413	847177.1732025076	39.1966894787218	-01.8819939	425510.121077059	4342561.1280179	3798.26081196	36.86.2697182	3624.81747840716	36.0291036750575	36.7125487155415	75.04672308
99	84	61519	-306261.1413	847177.1732025076	39.19670993719893	-01.8796718	425513.80362467308	4342557.45432659	3793.2215583536206	36.84.544219843465	3626.12085841384	36.0159305682219	36.641736324262594	49.0691630212768
100	84	61520	-305601.1413	847177.1732025076	39.1967307795678	-01.8773441	425515.9286823808	4342553.37904035	3789.461891192004	36.79.893126366643	3626.226768	36.03498440609078	36.636529930282	44.906863765604
101	84	61521	-304941.1413	847177.1732025076	39.19675158	-01.8750164	425517.0558940345	4342549.303883817	3783.692179884578	36.77.18064630769	3625.979680071893	36.03615905157337	36.510206235796134	41.0201268919554
102	84	61522	-304281.1413	847177.1732025076	39.196772329430225	-01.8728688	425518.1816599486	4342545.22881075	3782.92406049947	36.74.420732060115	3625.736108283522	36.0257308192762	36.4884769766661	36.3004851891062
103	84	61523	-303621.1413	847177.1732025076	39.1967930692471	-01.8703068	425519.3071801953	4342541.15381106	3777.0231974541245	36.71.92569584235	3624.869958457305	36.028926597378	36.4590011070439	31.3393901864689
104	84	61524	-302961.1413	847177.1732025076	39.1968136945804	-01.8680332	425520.4234547507	4342537.07924211	3768.01815354674	36.69.0056278136	3624.81747840716	36.0291036750575	36.7125487155415	75.04672308
105	84	61525	-302301.1413	847177.1732025076	39.19683437107316	-01.8657055	425521.5548425357	4342537.08054077	3765.947741744343	36.67.9483787183	36.019580282605	36.0347994327405	36.4993338877394	31.174985373599156
106	84	61526	-301641.1413	847177.1732025076	39.19685489	-01.8633778	425522.6826827317	4342528.3055679	3753.994745592911	36.63.1397481369	36.0194148613070745	36.034771454312	36.49914454594616	29.02680270497063
107	84	61527	-300981.1413	847177.1732025076	39.19687547131661	-01.8610501	425523.8068083849	4342524.95646867	3751.989518015327	36.61.28967883989	3616.723153062195	36.32234871891686	36.43437472670455	27.96249787230604
108	84	61528	-300321.1413	847177.1732025076	39.19689590018696	-01.8587223	425524.93110342402	4342520.78571681	3750.93593021657	36.57.504096750243	36.01381032	36.331714247	36.4442764921353064	26.32985012
109	84	61529	-299661.1413	847177.1732025076	39.196916337762275	-01.8563946	425526.05514505262	4342516.70871028	3750.972601907556	36.54.73218867131	36.08.23701746589	36.036106012805273	36.48562692054202	24.6171586189475
110	84	61530	-299001.1413	847177.1732025076	39.1969367	-01.8540669	425527.178604747	4342512.635204508	3750.0712050198	36.51.976517267412	36.08440471890321	36.02844001368181	36.49340536949110	23.93515899231054
111	84	61531	-298341.1413	847177.1732025076	39.19695737873758	-01.8517828	425528.3055679	4342508.2287894	3748.923078499	36.49.036278176	36.059231746	36.0347994327405	36.4993338877394	31.174985373599156
112	84	61532	-297681.1413	847177.1732025076	39.19697738124162	-01.8494114	425529.4584152534	4342505.648818203	3745.19403703591	36.46.6457837183	36.019580282605	36.0347994327405	36.4993338877394	31.174985373599156
113	84	61533	-297021.1413	847177.1732025076	39.19699763915084	-01.8470837	425530.54891656057	4342500.416						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.frt	BRIElevBoth.frt	SatThkLog.s	SatThkBoth.ft
196	84	61615	-242091.1413	847177.171720250766	39.19850578996031	-01.6562059	270621.8318718605	3424167.04587867	3623.9608813872883	3483.170183742929	3484.2740933293317	3520.025699162102	0	0
196	84	61616	-242224.1413	847177.171720250766	39.198522316176366	-01.6538781	270822.9354437584	3424162.967624477	3624.87132106144	3480.3989897897898	3483.0242402368725	3515.2767820533545	0	0
197	84	61617	-241581.1413	847177.171720250766	39.19853878743086	-01.6514953	271024.0387692914	3424158.939842202	3625.783	3478.715813378986	3482.130076276796	3481.5315256812916	0	0
198	84	61618	-240921.1413	847177.171720250766	39.198555233723766	-01.6492224	271124.119108624	3424158.8272410295	3626.697635343855	3476.49871	3480.1587274244616	3524.20739631498	0	0
199	84	61619	-240261.1413	847177.171720250766	39.198571620550545	-01.6468894	271246.2448027674	3424150.814820956	3625.901422871704	3474.286335308545	3479.022888	3522.74714236776	0	0
200	84	61620	-239601.1413	847177.171720250766	39.19858797142466	-01.6445668	271627.3446974206	3424146.757581975	3623.3967718085455	3472.08146680019	3477.183301697687	3522.00734897435	0	0
201	84	61621	-238941.1413	847177.171720250766	39.19860247283256	-01.6442239	271828.489118598	3424142.700524076	3620.892113745388	3469.883116029845	3476.182776367311	3520.4776998607224	0	0
202	84	61622	-238281.1413	847177.171720250766	39.1986205296865	-01.6399111	272029.6522680336	3424138.643645238	3618.387456	3467.691180930262	3475.211601768648	3518.921440425027	0	0
203	84	61623	-237621.1413	847177.171720250766	39.19863674077259	-01.6378563	272209.6540224584	3424134.568849485	3617.250841954985	3465.505460511105	3474.268985196247	3509.82110689165	0	0
204	84	61624	-236961.1413	847177.171720250766	39.19865295	-01.6355255	272431.7558965537	3424130.53043794	3617.482272475193	3463.24089585766	3473.909053625777	3507.7576006145	0	0
205	84	61625	-236301.1413	847177.171720250766	39.198669028854724	-01.6332976	272832.857528398	3424126.47101157	3617.71073024891	3461.19338107945	3473.116080528283	3506.459391	0	0
206	84	61626	-235641.1413	847177.171720250766	39.198685105453734	-01.6305998	273035.95884640235	3424122.417948572	3617.945133574587	3458.97718589753	3471.606064367124	3504.5612711952803	0	0
207	84	61627	-234981.1413	847177.171720250766	39.19870113709082	-01.628272	273233.0599395487	3424118.362	3616.9744	3456.8712462346896	3466.9187082622634	3501.7875014959206	0	0
208	84	61628	-234321.1413	847177.171720250766	39.1987171237604	-01.6259441	273236.160808534	3424114.306186506	3614.8015026097382	3454.6615995685215	3465.9874049171667	3500.3471960491367	0	0
209	84	61629	-233661.1413	847177.171720250766	39.19873306547953	-01.6236163	273437.2645371236	3424101.250877019	3612.628051116607	3452.511737905507	3464.8577484212246	3498.3719804910634	0	0
210	84	61630	-233001.1413	847177.171720250766	39.19874896223063	-01.6212884	273638.36187514063	3424106.195148547	3610.455707623477	3450.369407706965	3463.86639	3497.9530304362996	0	0
211	84	61631	-232341.1413	847177.171720250766	39.198764814011983	-01.6188066	273839.4602730723	3424102.139001086	3607.1854427674134	3448.22883384364	3462.8143007380736	3497.5696925464383	0	0
212	84	61632	-231681.1413	847177.171720250766	39.19878062048723	-01.6166328	274040.5620471738	3424098.04843631	3602.8178105484176	3446.0913854101045	3461.6786257596177	3496.042730432476	0	0
213	84	61633	-231021.1413	847177.171720250766	39.198796382712466	-01.6143049	274241.66179627877	3424094.029491715	3598.4501783294218	3443.9604545675607	3461.546343425085	3499.102544791393	0	0
214	84	61634	-230361.1413	847177.171720250766	39.1988112099615616	-01.6119771	274442.7613279406	3424089.975244701	3594.0825461104264	3441.8341268951043	3460.201121010869	3502.6489674254356	0	0
215	84	61635	-229701.1413	847177.171720250766	39.1988277715565	-01.6096492	274644.860633936	3424085.920721214	3596.67829458157	3439.710901179588	3458.73519715413	3505.6391314571256	0	0
216	84	61636	-229041.1413	847177.171720250766	39.19884336559557	-01.6073214	274844.9597177484	3424081.866737803	3598.23742152813	3437.588523563456	3456.3813691526929	3505.36138916299	0	0
217	84	61637	-228381.1413	847177.171720250766	39.19885952943522	-01.6049193	275049.6540772544	3424078.19471789	3596.763276444485	3435.686981761178	3454.635815911421	3504.5815911421	0	0
218	84	61638	-227721.1413	847177.171720250766	39.19887451760679	-01.602657	275247.1571729466	3424073.75823569	3593.35567858325	3433.34387419216	3453.3149204283963	3497.56256899706	0	0
219	84	61639	-227061.1413	847177.171720250766	39.19889001	-01.6003378	275448.2556326724	3424069.70436939	3590.328471944536	3431.2222829642938	3448.63983836268	3494.98737544063	0	0
220	84	61640	-226401.1413	847177.171720250766	39.19890546	-01.59801	275649.3538	3424065.650818249	3576.7149343817005	3429.101618169613	3447.13798934829	3490.971781587397	0	0
221	84	61641	-225741.1413	847177.171720250766	39.1989208898965	-01.5956821	275850.45180520247	3424061.597380501	3573.101396818866	3426.9815424084222	3445.7026212008586	3497.4120980345	0	0
222	84	61642	-225081.1413	847177.171720250766	39.1989362160227	-01.5933453	276051.549586207	3424057.544123983	3568.487859	3424.861685360625	3444.7586042018975	3483.51323586294	0	0
223	84	61643	-224421.1413	847177.171720250766	39.1989516294436	-01.5910264	276252.65470917244	3424053.649104778	3566.763276444485	3442.189108183014	3480.033191269273	3484.189108183014	0	0
224	84	61644	-223761.1413	847177.171720250766	39.1989679572604	-01.5889676	276453.7605413016	3424049.438152912	3564.869891761178	3440.627802533734	3420.621592533734	3476.648502509554	0	0
225	84	61645	-223101.1413	847177.171720250766	39.19898201804432	-01.5863707	276654.8414918197	3424045.385438742	3563.092273273977	3418.4994833948076	3440.188209546505	3474.678678693191	0	0
226	84	61646	-222441.1413	847177.171720250766	39.19899719540016	-01.5840429	276855.9383619037	3424041.332905575	3561.2657620637235	3416.37035949737	3438.74724	3470.418031977361	0	0
227	84	61647	-221781.1413	847177.171720250766	39.19901232779356	-01.581715	277057.03501178016	3424037.280533303	3559.2934747060928	3414.253362108182	3434.45347981045	3467.530233039617	0	0
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229	84	61649	-220461.1413	847177.171720250766	39.19904265765283	-01.5770593	277459.22765169444	3424029.176	3555.112777656079	3410.000370780624	3435.1057469625945	3462.403996036283	0	0
230	84	61650	-219801.1413	847177.171720250766	39.19905746519867	-01.5747314	277650.32847462	3424025.124817776	3553.022292919774	3407.870271901168	3433.121371901168	3460.31381398427	0	0
231	84	61651	-219141.1413	847177.171720250766	39.19907240771948	-01.5724036	277861.9141320256	3424021.07263011	3551.3559440776697	3405.73641143577	3432.190574130857	3458.4001628427	0	0
232	84	61652	-218481.1413	847177.171720250766	39.199097315322565	-01.5700757	278062.5149650576	3424017.021505098	3550.113731157633	3403.598973301276	3430.793207220407	3456.72779956548	0	0
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234	84	61654	-217161.1413	847177.171720250766	39.19911699595952	-01.565642	278464.7054120415	3424008.919151819	3547.629305440386	3399.310323367394	3427.552598439545	3453.1053035767017	0	0
235	84	61655	-216501.1413	847177.171720250766	39.19913176828858	-01.5630921	278665.8000376509	3424004.868264438	3547.07255659976	3397.158133275505	3425.922859092214	3448.276831708364	0	0
236	84	61656	-215841.1413	847177.171720250766	39.1991464901852	-01.5607643	278866.8948947084	3424000.817521882	3546.895739	3395.01345729518	3424.943602140771	3445.96010123807	0	0
237	84	61657	-215181.1413	847177.171720250766	39.19916217875757	-01.5584938	279067.9676981798	3423998.7676981798	3545.8276981798	3393.1684162843	3423.1684162843	3443.1684162843	0	0
238	84	61658	-214521.1413	847177.171720250766	39.1991754659016	-01.556105	279269.0368479034	3423997.41492717	3545.7658849593893	3392.701241493759	3421.175317882574	3434.841155614031	0	0
239	84	61659	-213861.1413	847177.171720250766	39.1991904943177	-01.5537807	279470.1777079712	3423998.666431813	3545.649997558473	3388.50034331835	3421.382620877274	3430.276767429603	0	0
240	84	61660	-213201.1413	847177.171720250766	39.19920456731056	-01.5514528	279671.2715383636	3423994.61431803	3543.531697748366	3386.327647485653	3417.260074749464	3426.3191386062	0	0
241	84	61661	-212541.1413	847177.171720250766	39.19921946	-01.5491249	279872.3650204634	3423990.567	3543.1463419911997	3384.152546526086	3415.1376411938622	3422.5255568433	0	0
242	84	61662	-211881.1413	847177.171720250766	39.199233981817957	-01.5467791	279873.458472688	3423995.616971542	3539.2995140275633	3381.9740503383164	3412.9371095306535	3418.806327778697	0	0
243	84	61663	-211221.1413	847177.171720250766	39.19924833116976	-01.5444698	280074.5510255377	3423992.46757258	3538.77785552597	3380.762503460285	3410.760512	3415.15758682565	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThBoth.ft
31	61741	-157947.1413		847177.3170250766	39.20023401158188	-101.3628296	29559.1663166374	4141657.166096991	3413.7053703124657	323.25718835795323	321.5530894750145	328.8031632381854	24.728764104517722
322	84	61742	-159081.1413	847177.3170250766	39.20024487	-101.3650847	296160.2428604897	4141653.10869665	3412.962841918537	323.613655132296	321.658991639027	324.0435267495495	23.5243734719861
323	84	61743	-158461.1413	847177.3170250766	39.200256829927	-101.364691	296361.3196324786	4141654.89584761	323.686691612958	325.813134840331	321.638302896125	323.35829252763	22.367141
324	84	61744	-157761.1413	847177.3170250766	39.2002665921074	-101.3595048	296562.397067549	4141655.10680767	3408.67396922007	325.1788814159518	321.8485063701596	322.947687222598	23.5307545792152
325	84	61745	-157101.1413	847177.3170250766	39.20027718515731	-101.3535809	296763.4717695885	4141641.026	3406.061736279118	323.471895591254	323.531402017858	322.9577402	20.9549577271354
326	84	61746	-156441.1413	847177.3170250766	39.20028787	-101.351253	296964.547334905	4141635.91965384	3403.449774338157	322.7607297581564	321.0092321587767	322.1207237394897	22.75149773878857
327	84	61747	-155711.1413	847177.3170250766	39.20028802315583	-101.348925	297165.62395691	4141626.5564646	3400.1923892131013	323.004386736904	320.9752252342322	321.7159950924262	23.219218629928618
328	84	61748	-155121.1413	847177.3170250766	39.20030903027577	-101.346971	297366.6987593292	4141628.9344442	3396.2896252	322.323020833655	321.2088277797973	321.135916810638	20.96382727801672
329	84	61749	-154461.1413	847177.3170250766	39.20031963294967	-101.344591	297692.7740236748	4141624.88950446	3389.386972594799	321.596626574487	320.9438431322649	321.58854403221454	22.46918117033427
330	84	61750	-153801.1413	847177.3170250766	39.20033014041662	-101.341912	297768.640899112	4141620.856	3388.483282456459	320.965133955530	320.73292915	320.97368246832	21.4895775262315
331	84	61751	-153141.1413	847177.3170250766	39.20034056578826	-101.339613	297969.9240551926	4141616.82216466	3385.808297172686	320.1344511302436	320.9459030920707	320.6534062592767	21.8406505927267
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334	84	61754	-151161.1413	847177.3170250766	39.20037169525964	-101.3326294	298573.1746262014	4141604.722302342	3377.039627465163	319.6991820080105	319.650607251874	30.9704448570543	32.28959498464216
335	84	61755	-150501.1413	847177.3170250766	39.20038197155646	-101.330315	298744.2215357021	4141600.89963477	3378.099316670147	322.710679674523	319.4773816521166	319.246502767147	31.74615890717587
336	84	61756	-149841.1413	847177.3170250766	39.2003932288828	-101.327978	298975.2954	4141596.650641878	3375.81879693008	322.648201023118	319.068803707396	319.18703571420837	31.94106434552305
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338	84	61758	-148521.1413	847177.3170250766	39.20041253065651	-101.3233177	299377.2564573596	4141588.59213919	3369.25757746643	322.5039168421706	318.830599271586	318.819450871561534	30.203506915011985
339	84	61759	-147861.1413	847177.3170250766	39.2004262709923	-101.3209897	299575.8158486674	4141584.506000608	3366.786425307616	322.341482743725	318.8735664748526	318.824581352414925	37.278182688723
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341	84	61761	-146541.1413	847177.3170250766	39.2004426507023	-101.316338	299980.66182388	4141576.49626758	3363.32222441187	322.8937584682094	318.31301624831183	318.97028024894067	39.57755102091135
342	84	61762	-145881.1413	847177.3170250766	39.200452646611776	-101.314039	300181.73451573215	4141572.465	3361.605512088574	322.19889654368	318.148628	317.5260679476867	40.72909259528184
343	84	61763	-145241.1413	847177.3170250766	39.200463168875	-101.311745	300389.7316937299	4141565.041178161	3359.453232491434	321.943632457484	317.945182982647	317.1453089210164	42.5463211514125
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345	84	61765	-143901.1413	847177.3170250766	39.20048226	-101.307022	300784.951135819	4141560.370505858	3354.2639407671306	321.95435639303	317.8546454171438	317.87031612372568	43.235085136851
346	84	61766	-143241.1413	847177.3170250766	39.20049204312244	-101.3046941	300986.023020921	4141556.340701691	3351.670841369035	321.9154768837846	317.85506268433065	317.71893794384177	44.010615334167
347	84	61767	-142581.1413	847177.3170250766	39.20050177983708	-101.3023661	301187.0950326496	4141552.309327513	3348.355364153734	321.8918312672802	317.87407739551362	317.87407739551362	44.8408317176689
348	84	61768	-141921.1413	847177.3170250766	39.200511471586424	-101.3000382	301388.1665488474	4141548.27883313	3344.314771095183	321.8307064931423	317.8261680210275	317.74971894037003	45.4642028286739
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350	84	61770	-140601.1413	847177.3170250766	39.20053007	-101.2953827	301790.390892623	4141542.11835436	3338.1641768909474	321.7215739622714	317.691851394447	317.691851394447	44.469178357357
351	84	61771	-139941.1413	847177.3170250766	39.2005402740243	-101.2930453	301991.3799273064	4141536.18	3333.353623263414	321.6556270117072	316.850334396447	317.491971264403	48.0523366774232
352	84	61772	-139281.1413	847177.3170250766	39.200549789830374	-101.2907264	302192.4506640212	4141532.15857619	3331.56198803979	321.6094227722698	317.663093075018	316.99192117252193	46.973085514006
353	84	61773	-138621.1413	847177.3170250766	39.2005582585291	-101.288394	302393.521206282	4141528.128956792	3328.788152923816	321.51844696447	316.55830267127	316.987817930498	49.0936136861995
354	84	61774	-137961.1413	847177.3170250766	39.20056871810026	-101.2860704	302594.5915453508	4141524.09917324	3328.01417774554	321.4910398441937	316.40614767734046	316.8819132147173	50.8991677390964
355	84	61775	-137301.1413	847177.3170250766	39.20057805	-101.2837425	302795.6767	4141520.0257781	3327.03289416574	321.4447717891835	316.2118149688915	316.93745679920103	52.2653638497157
356	84	61776	-136641.1413	847177.3170250766	39.20058713985276	-101.281415	302996.7316937299	4141515.041178161	3326.8450909075	321.400193295376	316.40218920647	317.1453089210164	54.5463211514125
357	84	61777	-135981.1413	847177.3170250766	39.20059658887825	-101.279086	303197.801435448	4141510.12278453	3326.658314031774	313.5140653	317.554681717638	317.554681717638	56.28975714881976
358	84	61778	-135321.1413	847177.3170250766	39.20060591594801	-101.276758	303386.8710807955	4141507.83595648	3324.06803896479	321.0389970151704	316.5789545657406	317.2313033179733	59.88593169719706
359	84	61779	-134661.1413	847177.3170250766	39.20061511	-101.2744307	303599.9403987545	4141503.95	3325.954219686387	321.0257880808596	316.548025802494	316.5781322487403	60.925650336544
360	84	61780	-134001.1413	847177.3170250766	39.20062426527807	-101.2721027	303801.0096	4141499.62685723	3325.11367793234	321.0272860576193	316.5116093429269	316.5781322487403	62.5981707677695
361	84	61781	-133341.1413	847177.3170250766	39.20063337	-101.2697747	304078.7057605434	4141495.84878584	3324.019733776735	321.0098224648883	316.474863252814	316.5504311768993	64.51959194074276
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363	84	61783	-132021.1413	847177.3170250766	39.2006531368275	-101.265117	304407.824219847	4141485.742118383	3322.042177924	321.4483731416833	316.4483731416833	316.4483731416833	64.7650778164246
364	84	61784	-131361.1413	847177.3170250766	39.2006604247796	-101.2627909	304605.284395042	4141483.50157374	3318.346030010274	321.0160010200672	316.431306918704	316.431306918704	64.7650778164246
365	84	61785	-130701.1413	847177.3170250766	39.20066935	-101.2604629	304806.352642793	4141479.75566782	3315.24046282731574	321.052979372889	316.41159051484633	316.41159051484633	64.7650778164246
366	84	61786	-130041.1413	847177.3170250766	39.2006783396861	-101.2581349	305007.4026870645	4141476.76702583	3312.13171639701	321.02684183737	317.15462624467	317.15462624467	64.7650778164246
367	84	61787	-129381.1413	847177.3170250766	39.20068870739194	-101.255807	305208.4885009976	4141471.73174815	3309.235667023096	320.987952607176	316.7357549909692	316.7357549909692	64.7650778164246
368	84	61788	-128721.1413	847177.3170250766	39.20069858331343	-101.253479	305409.5561578915	4141467.70253624	3308.5523135109715	320.98402029463	316.74945909806394	316.74945909806394	64.7650778164246
369	84	61789	-128061.1413	847177.3170250766	39.20070841138254	-101.251161	305610.5281615485	4141463.7981224					

ix	iy	kx	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
437	84	61867	-76581.14133	84717.71730250766	39.20124837380848	-101.0695984	321293.3136590286	4341150.147025974	3216.2752890140728	3946.6954313275627	3006.7879988939807	3065.889894344664	26.8633217872624	
448	84	61868	-75921.14133	84717.71730250766	39.20125356948949	-101.0672044	321484.366674917	4341146.134942235	3214.768719680735	3900.5066968534424	2945.6265582797264	3047.9055612885021	22.603540512885021	
449	84	61869	-7591.14133	84717.71730250766	39.201258672	-101.0694834	321666.4186012175	4341142.1621422	3213.2621630417983	3947.210273393032	2946.198717172615	3003.9429339815903	81.11089122	
450	84	61870	-74601.14133	84717.71730250766	39.20126382432955	-101.0625844	321896.47216041305	4341138.11	3211.755801104061	3024.163195813064	2947.5894275973898	3003.984781281563	76.57375431	
451	84	61871	-73941.14133	84717.71730250766	39.20126888456976	-101.0602564	322097.5246	4341134.09788056	3210.7127607795424	3021.1139575926113	2949.0183750278165	3001.565804066266	72.09582656479477	
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatHtElevLogKgr.ft	SatHtBoth.ft
573	61993	6578.858673073351	84717.71720250766	39.20154884621587	-100.7762388	346624.6836164829	4340645.972776698	2989.7802421387496	2863.3878951006684	2862.300251117034	2863.9772146722294	24.037643983634553	22.3660897343904
574	61994	7238.858673073351	84717.71720250766	39.2015487549977	-100.7397108	346825.7162025076	4340641.38271249	2862.7248922506642	2864.17092579213	2861.21933595699	2862.76624964947	33.92779604	32.709430079736194
575	61995	7698.858673073351	84717.71720250766	39.20154862140319	-100.719183	346922.9402685126	4340637.9928369372	2871.2815436435	2863.598412584687	2841.31618337845	2841.934358243597	42.6206459005356	42.00245815191234
576	61996	8558.858673073351	84717.71720250766	39.201472991657	-100.792347	347227.7809814785	4340630.003175139	2973.412004966291	2882.705741471033	2843.30408662919	2834.4727882481154	48.27722011131	48.2300589991485
577	61997	9218.858673073351	84717.71720250766	39.20154669354778	-100.7669267	347428.8131313467	4340630.0136437835	2968.56802595691	2881.451951293177	2831.0404847663676	2831.11199309066	50.4030625680936	50.33875190227036
578	61998	9878.858673073351	84717.71720250766	39.20154604296253	-100.7454987	347629.8451484632	4340626.034	2968.7067761113185	2880.174289321057	2830.3641249054	2830.9071483943304	60.28710350123268	60.28710350123268
579	61999	10538.858673073351	84717.71720250766	39.2015453471002	-100.7622707	347830.87099668	4340622.03149015	2964.057601950537	2878.8717657589905	2830.378453818876	2831.11717996008	68.233118401143	67.7560476298269
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582	62002	12518.858673073351	84717.71720250766	39.2015429594884	-100.755286	348433.91765803	4340610.00724235	2968.7489573190813	2874.804975074973	2827.529758110053	2831.20271297434	93.43129208	93.43129208
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584	62004	13838.858673073351	84717.71720250766	39.2015411951387	-100.7506306	348836.0341006525	4340599.02028516	2968.57124837406756	2871.951520805704	2822.4327919595437	2827.869805487576	115.729197111005	44.081715363146486
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593	62013	19778.858673073351	84717.71720250766	39.20153088811086	-100.7296784	350645.3077791731	4340566.205628526	2963.55618623498	2857.58720286627	2798.048715019085	2799.4081476740923	225.9538671754206	58.1790581
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603	62023	26378.858673073351	84717.71720250766	39.201516397003	-100.7063983	352655.597830541	4340526.38745044	2944.691723899365	2839.057857644975	2768.493519103486	2769.2599264383284	270.5543354148272	69.7973120664635
604	62024	27038.858673073351	84717.71720250766	39.2015134423617	-100.7040703	352856.626097461	4340522.3640531	2947.195925257874	2837.12676387794	2765.3526507132925	2765.3526507132925	271.7411288	71.08343871813486
605	62025	27698.858673073351	84717.71720250766	39.20151048	-100.7017422	353057.6541794272	4340518.3795154	2949.694066682185	2835.190915495818	2762.9635021986624	2764.454724894322	272.7224132995556	70.6741260147568
606	62026	28358.858673073351	84717.71720250766	39.20150956966636	-100.6994142	353258.6821186085	4340514.39516163	2947.195925257874	2833.250074037658	2761.7795925818905	2764.4685169579323	274.485145547674	76.754203833316
607	62027	29018.858673073351	84717.71720250766	39.20150761523134	-100.6970862	353459.7895153993	4340510.401868527	2950.9505385137	2831.301772242716	2760.53792765447	2764.704694872594	266.8204901758717	76.8204901758717
608	62028	29678.858673073351	84717.71720250766	39.2015061520684	-100.6947582	353659.7276590974	4340506.41928029	2945.82454914071	2829.0369250942	2758.4049124104	2762.4049124104	269.80101196396	77.80101196396
609	62029	30338.858673073351	84717.71720250766	39.201504570105875	-100.6924032	353859.765026102	4340502.43168992	2940.795004188963	2827.392498	2758.80513639753	2758.80513639753	268.85746175951	78.85746175951
610	62030	30998.858673073351	84717.71720250766	39.20150148152166	-100.6901022	354062.7924344107	4340498.45926385	2935.9554356576	2825.43582492482	2757.944955614165	2766.908953555995	267.4900931066313	78.5826925692235
611	62031	31658.858673073351	84717.71720250766	39.201499340713735	-100.6877741	354263.8196256955	4340494.475045805	2938.952655654315	2823.480422345314	2757.106228089571	2767.3781242583974	255.032928639324	79.55032928639324
612	62032	32318.858673073351	84717.71720250766	39.20149716754588	-100.6854461	354464.8467705783	4340490.492776848	2936.118110787629	2821.527707847504	2756.752601457769	2771.940165547397	264.9551063873842	49.5875423001127
613	62033	32978.858673073351	84717.71720250766	39.20149494317292	-100.6831181	354664.8467705783	4340486.509675109	2931.930960906267	2819.5789843047479	2756.627884153955	2767.610671961864	272.4327638820422	42.4327638820422
614	62034	33638.858673073351	84717.71720250766	39.20149267370138	-100.6807901	354864.8065230471	4340482.52674019	2928.3819232024	2817.63357917043	2757.171222	2760.5042062107	260.46403109951043	32.4447311463949
615	62035	34298.858673073351	84717.71720250766	39.20149042952467	-100.6784644	355064.82730471	4340478.483629416	2926.483629416	2815.63357917043	2756.627884153955	2767.610671961864	272.4327638820422	42.4327638820422
616	62036	34958.858673073351	84717.71720250766	39.2014879998914	-100.6761341	355268.9573124832	4340474.561	2908.9569252606	2813.76687176574	2755.006425453642	2755.006425453642	260.46403109951043	32.4447311463949
617	62037	35618.858673073351	84717.71720250766	39.2014855966708	-100.6738061	355469.9051	4340470.579015885	2911.461456551363					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKgf.	BRElevBothKgf.	LatHdgKgf.	SurfBothKgf.
69	84	12119	89738.85867307335	847177.3170250766	30.20113542	-100.4829097	47868.008606025	4340146.626574045	2764.8472997950084	2683.14589989314877	2664.0035999533417	2664.125632329221	19.1224398678146037
700	84	12120	90368.85867307335	847177.3170250766	30.20112928	-100.4805817	473154.7011264211	4340146.658901265	2767.0404792481801	2681.368663214826	2660.638058317423	2660.5470319622590	20.54730162193506
701	84	12121	90518.85867307335	847177.3170250766	30.20112310777766	-100.4762452	472355.17861	4340146.681361	2768.9634874402186	2685.368671487786	2665.663813584616	2664.85387972410005	24.06981601628084
702	84	12122	90671.85867307335	847177.3170250766	30.201116875216314	-100.4750257	472556.315858501	4340132.742068855	2771.519858135385	2677.800548008607	2649.02125363087	2649.1096427216603	28.96342604551943
703	84	12123	92378.85867307335	847177.3170250766	30.20111060375838	-100.4735977	472757.748733514	4340128.757	2772.860351	2676.16513623447	2642.556021445548	2642.590975959095	33.69911478789876
704	84	12124	93038.85867307335	847177.3170250766	30.2011042733397	-100.4712697	472958.7616922167	4340124.78908482	2770.983781630567	2676.14071609493	2636.556204392772	2636.64257596720973	37.149605720935
705	84	12125	93698.85867307335	847177.3170250766	30.201097925943124	-100.4689417	473159.7765268467	4340120.82192788	2770.128194342244	2672.813335447959	2631.460994832363	2631.460994832363	41.1692329732
706	84	12126	94358.85867307335	847177.3170250766	30.20108191595655	-100.4666137	473360.79123290365	4340116.85682075	2767.2734777472814	2671.27120933591	2626.9339507770515	2627.167214621924	44.053941713767224
707	84	12127	95018.85867307335	847177.3170250766	30.20106586626217	-100.4642658	473581.8050297989	4340112.890148351	2768.9786348746987	2669.709361216685	2623.6426379772747	2623.6426379772747	46.96652324392086
708	84	12128	95678.85867307335	847177.3170250766	30.20107857172054	-100.4619752	473732.8202657463	4340108.92391562	2769.0204206579	2668.28633714774	2621.479183846158	2621.479183846158	46.80748525337176
709	84	12129	96338.85867307335	847177.3170250766	30.2010700371553	-100.4596298	473963.8364523275	4340104.958	2768.22248466583	2666.9547936007	2620.361170521684	2620.658930148446	46.2867834522248
710	84	12130	96998.85867307335	847177.3170250766	30.2010654449267	-100.4573018	474164.8489	4340100.1908989	2768.56276276376	2667.66449143733	2620.19214986048	2620.5843585454513	45.08316135992029
711	84	12131	97658.85867307335	847177.3170250766	30.20105881330342	-100.4549738	474365.862795572	4340097.02182332	2768.72832353076	2664.4376960405	2620.53660137892	2621.011910398425	43.87974658217255
712	84	12132	98318.85867307335	847177.3170250766	30.20105213714782	-100.4526458	474566.87	4340093.06032636	2767.221457103268	2663.228506543392	2620.950979209768	2621.6081621291867	42.271527334169605
713	84	12133	98978.85867307335	847177.3170250766	30.20104541602586	-100.4503178	474767.8906236362	4340089.06261335	2764.714770715028	2662.04114056037	2621.73606674823	2622.19548912991	40.2059489549438
714	84	12134	99638.85867307335	847177.3170250766	30.20103844993756	-100.4478988	474968.0345653166	4340085.13006655	2762.20799438789	2660.8644677039	2620.263039523314	2622.545315732886	38.0140774708481
715	84	12135	100298.85867307335	847177.3170250766	30.2010318888284	-100.4456619	475169.918188966	4340081.165048376	2759.61696177959	2659.691017225398	2622.447304693826	2622.6922737604536	35.9687398
716	84	12136	100958.85867307335	847177.3170250766	30.2010248258561	-100.4433339	475370.3717909051	4340077.2	2756.94166772959	2658.516358749747	2622.223747292181	2621.9629147927934	33.29261149279364
717	84	12137	101618.85867307335	847177.3170250766	30.20101808187139	-100.4410059	475571.3457123962	4340073.23545018	2754.264604	2657.33814463549	2621.865641232789	2622.2731917894394	35.47287313976045
718	84	12138	102278.85867307335	847177.3170250766	30.20101113591789	-100.4386779	475772.9584360054	4340069.2710258895	2751.9511258577607	2656.1553711254824	2621.2636640529076	2621.5330311884354	34.66209993139885
719	84	12139	102938.85867307335	847177.3170250766	30.201004414989085	-100.4363499	475973.9715923045	4340061.30672123	2749.397818454272	2654.9663338817235	2620.04158987851656	2620.05104810864	34.5506359657345
720	84	12140	103598.85867307335	847177.3170250766	30.200997109112045	-100.4342319	476174.984031791	4340055.405024213	2747.6984537545713	2653.771285259757	2619.2549350422827	2619.767170219216	34.7360376036906
721	84	12141	104258.85867307335	847177.3170250766	30.20099056985585	-100.4321624	476389.154598982	4340049.18851153	2746.981072458246	2652.681072458246	2618.4582379865314	2618.4582379865314	34.86886262595746
722	84	12142	104918.85867307335	847177.3170250766	30.20098290244127	-100.429366	476577.010294021	4340053.41470247	2744.253814355158	2651.3539595165914	2617.771065445734	2618.295421832974	33.05831432949025
723	84	12143	105578.85867307335	847177.3170250766	30.20097573165555	-100.427038	476778.02296140377	4340045.41267533	2741.4374165964673	2650.1424706702364	2617.3469454202189	2617.9964843112973	32.95525468047344
724	84	12144	106238.85867307335	847177.3170250766	30.20096515095636	-100.424471	476979.035102881	4340045.487409056	2740.495577897024	2648.917941208605	2618.0030978878	2617.8394641894106	31.07847314048993
725	84	12145	106898.85867307335	847177.3170250766	30.20096125518853	-100.422382	477180.0479047916	4340041.524991191	2733.554495915022	2616.9175935252447	2617.5352622477631	2617.622046244734	30.15184087265813
726	84	12146	107558.85867307335	847177.3170250766	30.20095394950524	-100.420045	477381.0602534961	4340037.561518227	2729.613034143447	2646.403120393915	2615.8753333847	2615.8753333847	30.57479106605415607
727	84	12147	108218.85867307335	847177.3170250766	30.2009469885858	-100.4177261	477582.0738612655	4340029.639822655	2728.425157086786	2645.215708459256	2615.153478525584	2615.153478525584	29.8622989432168
728	84	12148	108878.85867307335	847177.3170250766	30.2009392	-100.4154238	477793.0452532196	4340029.635902193	2724.645923514854	2643.975235135878	2614.856202357696	2615.61908811969849	29.11433630792116
729	84	12149	109538.85867307335	847177.3170250766	30.2009317625849	-100.4130701	477984.096489748	4340025.67300052	2726.53626260059	2723.6718086461968	2611.5250460817908	2613.1535752324334	31.20663459406316
730	84	12150	110198.85867307335	847177.3170250766	30.20092427711065	-100.4107421	478185.108372408	4340021.710994201	2728.088806	2641.4850440894693	2610.051427485044	2613.27128594053	30.43266405405636
731	84	12151	110858.85867307335	847177.3170250766	30.20091674659971	-100.4084141	478386.12005279906	4340017.748905108	2725.887493850687	2640.235414330817	2607.863521095375	2609.26180214058	32.37189324
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733	84	12153	112178.85867307335	847177.3170250766	30.20090515065075	-100.4037582	478788.143153275	4340009.8486711	2725.999575761106	2637.71926280715	2603.352933551504	2605.7858976234646	34.36800324697056
734	84	12154	112838.85867307335	847177.3170250766	30.20089858553035	-100.4014028	478989.154598982	4340005.18851153	2726.9184362117867	2640.277057470426	2602.864590470156	2602.864590470156	33.477292421119
735	84	12155	113498.85867307335	847177.3170250766	30.200889178480196	-100.3991022	479190.1657882002	4340001.91861111	2724.645923514854	2635.152597213604	2609.0316887742123	2609.0316887742123	33.75593134086087
736	84	12156	114158.85867307335	847177.3170250766	30.2008784195394	-100.3967743	479391.1769315727	4339997.405106595	2721.872284299017	2635.854628076217	2605.2741815554777	2605.2741815554777	33.9571023046609
737	84	12157	114818.85867307335	847177.3170250766	30.20087061925567	-100.3944463	479592.1879590507	4339983.978139019	2719.089270521573	2632.5447124499374	2603.596022342066	2603.596022342066	33.84870110703705
738	84	12158	115478.85867307335	847177.3170250766	30.20086277	-100.3921183	479793.1980709633	4339980.1429863	2716.326256204134	2631.2210408243391	2603.297272206498	2603.297272206498	34.0936081749035
739	84	12159	116138.85867307335	847177.3170250766	30.20085483870715	-100.3897393	479994.2906675234	4339985.075644795	2712.9339711843134	2629.85460410398	2603.229813203215	2603.11520331791	34.65248728
740	84	12160	116798.85867307335	847177.3170250766	30.20084694899584	-100.3874424	480195.105248879	4339982.07905781	2709.3362802491674	2628.552225996003	2602.9754173110837	2602.9754173110837	34.956106780383
1	85	12161	117458.85867307335	847837.3170250766	30.2008391846469	-100.3851184	480396.198469638	4339979.45827238	2707.45199338749	2627.45199338749	2602.775944231458	2602.775944231458	35.07890349
2	85	12162	118028.85867307335	847837.3170250766	30.2008317416409	-100.3828454	480598.1505108781	4339975.9244477	2705.519598920748	2624.200626271462	2601.9378926938173	2601.9378926938173	35.196531333927
3	85	12163	118688.85867307335	847837.3170250766	30.200823125091616	-100.3805723	480799.168315727	4339973.405106595	2703.872284299017	2623.854628076217	2600.5274181555477	2600.5274181555477	35.31971023046609
4	85	12164	119348.85867307335	847837.3170250766	30.2008150713095	-100.3782031	480999.1756601395	4339970.474300526	2702.24850497738	2622.864590470156	2600.051427485044	2600.051427485044	35.44870110703705
5	85	12165	119998.85867307335	847837.3170250766	30.20080723554489	-100.3759029	481199.1707413757	4339967.410256127	2700.621586737202	2621.8			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBtmsKrg.ft	SatThkLogs.ft	SatThkBoth.ft
211	85	62371	-223241.1413	847873.7170250766	39.20057742241517	-101.6189809	273843.5228922127	342303.387351384	3611.161867390434	3448.896294732048	3464.5309908355885	3497.04591896197	0
212	85	62372	-223161.1413	847873.7170250766	39.20058322964573	-101.616663	274044.622678415948	342299.323064897	3605.68050218144	3446.7884927026633	3461.884594194233	3496.536605331086	0
213	85	62373	-223121.1413	847873.7170250766	39.200589196909	-101.6144231	274245.722415445	342295.728392781	3600.18977425163	3432.1868550210317	3459.366676328165	3499.130743174096	0
214	85	62374	-223061.1413	847873.7170250766	39.20060247021125	-101.6119972	274446.8215817963	342304.722652	3594.718727682566	3458.866519345347	3502.12719462264	3502.12719462264	0
215	85	62375	-222970.1413	847873.7170250766	39.20064038155011	-101.6096693	274647.9206998937	342287.167292917	3591.138563317838	3440.4910282001138	3457.1398469651745	3506.0531066697014	0
216	85	62376	-222901.1413	847873.7170250766	39.20065600892573	-101.6073414	274849.0196944987	342308.112731248	3589.459281157672	3438.3956072311607	3455.2594746738973	3506.0531066697014	0
217	85	62377	-222881.1413	847873.7170250766	39.20067159	-101.6050135	275050.11862735816	342279.058305737	3587.7799899895506	3436.3007135616917	3454.7233826645206	3502.1012392157827	0
218	85	62378	-222721.1413	847873.7170250766	39.200687128786946	-101.6028856	275251.2167181626	342275.004513185	3586.10071683739	3434.2074559959846	3452.63704473801	3498.24194672991	0
219	85	62379	-222701.1413	847873.7170250766	39.20070262127252	-101.6003577	275452.31684711706	342270.950133183	3583.4361714	3432.1156622104783	3459.1672938971254	3494.261885182787	0
220	85	62380	-222601.1413	847873.7170250766	39.20071836774098	-101.5980228	275653.4120642095	342266.98	3579.86299143058	3430.024924	3448.675563075224	3491.05192394523	0
221	85	62381	-222571.1413	847873.7170250766	39.20073347135343	-101.5957019	275854.51074029726	342262.8420192	3576.26488551926	3427.83483667644	3447.189403686425	3488.0172355207	0
222	85	62382	-222501.1413	847873.7170250766	39.20074882984868	-101.593374	276055.608304331	342258.789	3572.6655456697936	3425.845161287078	3446.25034211625	3485.0192715001076	0
223	85	62383	-222481.1413	847873.7170250766	39.20076414158048	-101.5910461	276256.705685376	342254.734	3570.10202206706	3423.755365373216	3444.7343186778526	3482.060613828197	0
224	85	62384	-222361.1413	847873.7170250766	39.200779409248746	-101.5887182	276457.8027173201	342246.682759139	3568.5736977446626	3421.6650469639158	3443.2030501657427	3479.1382441670735	0
225	85	62385	-222301.1413	847873.7170250766	39.20079461953464	-101.5863093	276658.8966734824	342246.638276745	3567.045373421619	3419.5738897930343	3441.733730414622	3476.264171187838	0
226	85	62386	-222241.1413	847873.7170250766	39.2008098090461	-101.584023	276859.9964	342242.577077308	3565.517040908757	3417.81946727025	3440.3294710078126	3473.458122718118	0
227	85	62387	-222181.1413	847873.7170250766	39.20082494272716	-101.5817244	277061.09281676775	342238.54508032	3563.83823213112	3415.3889801402465	3438.96965396162	3478.48489898984	0
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262	85	62422	-198681.1413	84787									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WdL	BRElevLogKrg.ft	BRElevBothKrg.ft	SanthElevLogKrg.ft	SanthBothKrg.ft
337	65	62497	-149181.1413	847837.3170250766	39.20221503922284	-101.3256587	299180.40621790814	3441793.845744617	32.55023845894184	32.264578891283787	3191.8939688217965	3186.489563378459	34.567320368213	39.96035749919636
338	65	62498	-148521.1413	847837.3170250766	39.20222510088186	-101.3233207	299381.4795100857	3441781.9132298494	32.73123629420429	32.2510671481129	3190.027185944547	3181.691238250885	35.67801380358156	40.07139346304404
339	65	62499	-147961.1413	847837.3170250766	39.202223232	-101.3210277	299652.532650015	3441755.780895596	32.68192110718987	32.20485272157133	3178.057870820267	3180.788193838614	36.7228211166161	42.4481435613341
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341	65	62501	-146541.1413	847837.3170250766	39.20225530666119	-101.3136346	299864.68903882323	3441777.716756356	33.06677498560564	32.2234885483891	3184.4727599770445	3179.102387562163	41.121550684638	44.9921972727714
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378	65	62538	-122121.1413	847837.3170250766	39.20259593740387	-101.23027	307424.25172500304	3441628.60362754	32.09820746110055	32.09820746110055	3123.861404816845	3123.861404816845	86.233481082155	87.3450763475724
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380	65	62540	-120801.1413	847837.3170250766	39.202615052570976	-101.225554	307826.3822527165	3441620.81029052	32.09820746110055	32.09820746110055	3121.861404816845	3121.861404816845	88.457845447258	89.568606191348
381	65	62541	-120141.1413	847837.3170250766	39.2026187388344	-101.2232259	308027.4428029024	3441616.55099						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtLog.ft	SatHtLog.ft
463	65	62623	-66021.14133	847837.3170250766	39.20313877346434	-101.0323261	324514.154597041	3144287.165793351	317.539434122389	2947.3745179423536	297.563153134121	45.7169665624513	16.528061190774224
464	65	62624	-65361.14133	847837.3170250766	39.2031432492494	-101.025948	324715.20464768424	3143283.155927196	318.966756524506	2991.409446	2945.0065765345374	46.548874632532716	17.73304836343215
465	65	62625	-65041.14133	847837.3170250766	39.2031478006661	-101.027678	324819.254628786	3142738.155927196	318.403716716697	2984.15862192477	2970.46517	47.1048407	18.6470341221951
466	65	62626	-64041.14133	847837.3170250766	39.203162069516164	-101.0253149	325117.3023491476	3147125.136734781	316.871152628406	2988.7364420801347	2954.55595289813	47.2834955657668	18.71904545116232
467	65	62627	-63381.14133	847837.3170250766	39.20315640679738	-101.0230138	325318.35377171653	3142171.12740065	3173.52527490401585	2947.338471437771	2973.936823031566	48.15911997472153	19.39796840620536
468	65	62628	-62721.14133	847837.3170250766	39.20316072710576	-101.0206858	325519.94037177863	3142671.128457665	316.36732942718	2985.9513825512618	2935.153547680556	50.79738470751474	36.3938498371446
469	65	62629	-62061.14133	847837.3170250766	39.2031648635573	-101.0183577	325720.452332057	3142631.08928923	3164.054893981775	2984.583438524733	2932.0951399252176	52.4884040567536	42.4884040567536
470	65	62630	-61401.14133	847837.3170250766	39.20316915963282	-101.0160297	325921.5013582061	314259.100490297	317.041544903117	2983.229092634843	2929.2652737648136	53.9331838670704	49.914935838670704
471	65	62631	-60741.14133	847837.3170250766	39.203173206181824	-101.0137616	326122.50051289636	314259.991888324	318.4678196404567	2984.268209540258	2936.2975997305552	55.58861042347052	52.56430368167335
472	65	62632	-60011.14133	847837.3170250766	39.20317745668278	-101.0117375	326323.598977735	314251.08356263	315.5596257159343	2980.5545334380126	2933.033197162443	57.252277275697	52.88314774803572
473	65	62633	-59421.14133	847837.3170250766	39.20318510775566	-101.0094058	326524.6474	314247.07204126	317.449442491421	2979.239467909128	2919.6883917847356	59.24929517700315	54.2685028081154
474	65	62634	-58761.14133	847837.3170250766	39.20318553366045	-101.0067174	326725.69575800945	314230.067130789	315.5440258	2977.336015486798	2916.711755101528	60.7278694681237	60.02726855165466
475	65	62635	-58011.14133	847837.3170250766	39.203189514997135	-101.0043893	326926.7338333565	314212.059236617	3153.767329372322	2977.6426568792285	2913.719638013737	62.92332777854865	60.02419643
476	65	62636	-57441.14133	847837.3170250766	39.20319345116575	-101.0026163	327127.7919401604	314230.514521604	315.04211475842397	2975.388530639407	2910.765782830050	63.926313276761	64.5930711
477	65	62637	-56781.14133	847837.3170250766	39.203197342366254	-100.9997332	327328.387798793194	314231.03168567375	3153.0548116876477	2974.265118487283	2970.999994229964	65.983279340417	91.44457474
478	65	62638	-56121.14133	847837.3170250766	39.20320118859863	-100.9974052	327529.8674	314227.03692001	3149.75456152855	2972.812848588823	2906.7321418403005	68.080450508716	106.9485872217271
479	65	62639	-55461.14133	847837.3170250766	39.20320498867626	-100.9950771	327730.934476858	314223.02945148	3148.354625121536	2971.5492621224016	2904.9560603511463	69.59320177125528	114.2051728374174
480	65	62640	-54801.14133	847837.3170250766	39.20320874615901	-100.992749	327931.9822795843	314219.02425498	3146.33059250041756	2970.25900241756	2900.431989973214	71.96114042723014	109.0964496945462
481	65	62641	-54141.14133	847837.3170250766	39.20321245748698	-100.990421	328133.029434548	314215.010593391	3145.4119922458453	2969.04193834232	2898.4183846438027	72.6235473593949	116.852698542293
482	65	62642	-53481.14133	847837.3170250766	39.20321612384662	-100.9880299	328334.0763427675	314213.06633434	3143.94076078003	2967.70106267753	2896.268349471236	73.5286611555304	106.5066404024234
483	65	62643	-52821.14133	847837.3170250766	39.2032197452381	-100.9857468	328535.1232733576	314207.002531396	3142.231776078659	2966.558379673615	2894.15507825717	74.723303682	118.7272406796085
484	65	62644	-52161.14133	847837.3170250766	39.2032232165206	-100.9834368	328738.1698778302	314202.965201504	3140.25242423967	2965.23212933375	2892.618296	75.982511874073253	113.20946286012817
485	65	62645	-51501.14133	847837.3170250766	39.20322693011328	-100.9810493	328932.2164296653	314198.991351517	3145.338991615252	2964.15862192477	2891.468392421254	77.3323496903323	120.4685870274986
486	65	62646	-50841.14133	847837.3170250766	39.20323033905401	-100.9787086	329138.2627465003	314194.9842232615	3143.3622551134993	2962.93247742796	2888.838973750902	78.7049337939624	140.0934335187775
487	65	62647	-50181.14133	847837.3170250766	39.20323378112362	-100.9764528	329339.3080598825	314193.982478428	3135.591282651494	2961.8649110715664	2887.298767485588	79.75567578064634	152.10923255010305
488	65	62648	-49521.14133	847837.3170250766	39.20323717767445	-100.9741245	329540.3549	314186.973	3135.935638	2960.10483346317	2885.9092883417993	81.563705402428	113.4512280680916
489	65	62649	-48861.14133	847837.3170250766	39.20324052925713	-100.9717964	329741.407042034	314218.967529297	3136.2800801031587	2960.202087939153	2884.904221317891	82.5673091591666	107.4982784422495
490	65	62650	-48201.14133	847837.3170250766	39.20324383597158	-100.9694863	329942.463483521	3141178.962318239	3136.624378029917	2959.6316358565	2884.332524192587	85.00909663997	105.5349114694919
491	65	62651	-47541.14133	847837.3170250766	39.20324708751781	-100.9671403	330149.4916774711	314174.957289887	3136.583807747	2958.980747	2883.5385917418353	87.0389760724062	107.1458907327488
492	65	62652	-46881.14133	847837.3170250766	39.20325014119563	-100.9649212	330344.20419176	3141178.962318239	3136.624378029917	2958.980747	2883.5385917418353	89.126191032134	110.3700350020574
493	65	62653	-46221.14133	847837.3170250766	39.20325348595056	-100.9624841	330545.5823557536	3141166.947763949	3123.9068828224417	2957.692035479535	2882.84347372555	90.75444662304	114.849024170987
494	65	62654	-45561.14133	847837.3170250766	39.20325661264726	-100.9601561	330746.6273188446	3141166.947763949	3123.9068828224417	2957.692035479535	2882.84347372555	92.7845922320414	95.0726247276311
495	65	62655	-44901.14133	847837.3170250766	39.203259864420616	-100.9578288	330947.6719270475	3141158.93865143	3121.90501235309	2956.41245506601	2881.2040081645933	94.6840980203374	92.31405001719668
496	65	62656	-44241.14133	847837.3170250766	39.2032627122577	-100.9554999	331148.716854191	3141154.938413453	3120.9631276171074	2955.73193691688	2879.062889635304	95.712485866539	97.413467447162
497	65	62657	-43581.14133	847837.3170250766	39.20326572306258	-100.953179	331349.7614	3141150.39876808	3120.874221871831	2954.6162652824	2877.6355678895	96.49423366784965	105.906458866123
498	65	62658	-4291.14133	847837.3170250766	39.20326896331328	-100.9508498	331550.80581814	3141146.927101256	3140.9488135252	2954.50854121055	2876.1707051710123	98.3323496903323	113.20946286012817
499	65	62659	-42251.14133	847837.3170250766	39.2032717518173	-100.9485157	331751.8486699774	3141142.92304571	3141.9779900535	2953.8753978014303	2875.051570882284	99.5843982914653	94.0214469
500	65	62660	-41601.14133	847837.3170250766	39.203274428763876	-100.9461877	331952.8936743173	3141138.92068847	3140.9756672721	2952.64817237207	2874.47190620152	100.256728306116	97.7862110305588
501	65	62661	-40941.14133	847837.3170250766	39.20327724072776	-100.9438596	332153.3377175714	3141134.91648017	3140.855349483725	2952.462259808708	2875.151287996444	101.4727918	81.72794781
502	65	62662	-40281.14133	847837.3170250766	39.2032800772475	-100.9415135	332354.3814969817	3141130.9782648	3140.83301818064	2952.304586121186	2882.2586643061234	102.33320596785	69.7452547389115
503	65	62663	-39621.14133	847837.3170250766	39.20328277925703	-100.9392034	332565.0201259913	3141126.910351803	3140.817033	2951.33866753432	2886.661373736527	103.9643937977919	54.43981109240526
504	65	62664	-38961.14133	847837.3170250766	39.20328540681112	-100.9368754	332757.068364384	3141122.5066534	3140.87152566534	2950.766947885496	2887.01354973037	105.7450591510204	52.5391388497075
505	65	62665	-38301.14133	847837.3170250766	39.203288120424896	-100.9345918	332948.2164296653	3141118.927101256	3140.9488135252	2949.73485445408	2886.1707051710123	107.3323496903323	113.20946286012817
506	65	62666	-37641.14133	847837.3170250766	39.20329056026438	-100.9322192	333159.575793315	3141114.90333161	3141.0053112716784	2949.5265808394196	2884.44779715715	108.56480995	55.0835038359893
507	65	62667	-36981.14133	847837.3170250766	39.20329316817857	-100.9298912	333360.194722795	3141110.91170925	3140.972685362025	2948.909067321223	2888.58252328187	109.6886606828185	60.32708140030354
508	65	62668	-36321.14133	847837.3170250766	39.20329576354447	-100.9275631	333561.2401432125	3141106.89918457	3140.92019052545	2948.283068511422	2885.508768795134	108.85434348964	62.9004214276265
509	65	62669	-35661.14133	847837.3170250766	39.20329811758206	-100.925235	333762.2828818296	3141102.87737102	3140.871911968727	2947.679969353704	2884.6651494397347	110.764468123176	63.0134734697
510	65	62670	-35001.14133	847837.3170250766	39.20330052483134	-100.922969	333963.3250591393	3141098.89574807	3140.824074	2947.07999432288	2885.894999703677	112.785492320414	61.4237546182439
511	65	62671	-34341.14133	847837.3170250766	39.2033028871123								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
588	62749	17138.8586770335	847837.3170250766	39.20334859743083	-100.738989	494845.1777269576	3404783.331616992	2973.737516588165	3683.908887428006	2804.5013724550017	2816.4217498092107	59.42951628779883	47.5091339358984
590	62750	17198.8586770335	847837.3170250766	39.20334470720814	-100.736608	350046.20778673043	3404779.344271195	2973.052435107415	2862.2947272145334	2801.7193621577137	2815.2074050205292	58.7530499915747	47.087321942415
591	62751	18498.8586770335	847837.3170250766	39.20336172817035	-100.734329	342497.23770092556	3404775.357103356	2971.9303484962675	2860.528463826463	2798.2591389589822	2815.3716582299514	52.0050646646468	45.0050646646468
592	62752	19118.8586770335	847837.3170250766	39.20334489185754	-100.732048	350448.2674694639	3404771.37	2968.57095541071	2862.9322150712665	2797.753147816784	2804.3205912867825	51.79006725482554	45.116237848398
593	62753	19778.8586770335	847837.3170250766	39.20336756622962	-100.729677	350649.29709285265	3404767.383362094	2965.811663142044	2867.206674139846	2798.032341425373	2802.8790404282985	59.17433271457048	54.32677050699725
594	62754	20438.8586770335	847837.3170250766	39.203342196633336	-100.7273486	350850.3265711922	3404763.396390251	2955.452804040826	2799.504885428465	2799.504885428465	2803.223548239465	52.2295751749618	46.57817376653476
595	62755	21098.8586770335	847837.3170250766	39.20334078165685	-100.7252006	35101.35590490465	3404759.410214881	2961.8995327156685	2853.671123310429	2801.607126046673	2807.34173841567	59.2369972636148	49.9563849645732
596	62756	21798.8586770335	847837.3170250766	39.20333932153557	-100.7228925	351252.3850935496	3404755.423390895	2958.2545201546681	2862.812635417346	2804.1751183797085	2805.2841647752007	47.6866012602025	46.57817376653476
597	62757	22418.8586770335	847837.3170250766	39.20333781653414	-100.720364	351453.41419797915	3404751.437838447	2950.7838918260675	2860.152625641003	2807.0718591745737	2812.71297324477	52.0050646646468	45.0050646646468
598	62758	22707.8586770335	847837.3170250766	39.2033263565432	-100.718035	351654.430381777	3404745.45191931	2953.235530973736	2848.126784710052	2799.289159567438	2800.14532852132	48.8801246226166	48.01840919883243
599	62759	23738.8586770335	847837.3170250766	39.203334671626095	-100.7157083	351855.471794357	3404746.46176533	2947.1670245137735	2846.2859791073024	2792.275916369907	2793.2688930503778	54.01006274	53.0170856924654
600	62760	24398.8586770335	847837.3170250766	39.20333031719524	-100.7133802	352056.5004	3404739.481	2957.49313907906	2844.386444973596	2785.800785813246	2786.891430432406	58.5858268330355	57.495369360534985
601	62761	25058.8586770335	847837.3170250766	39.2033134684458	-100.7110521	352257.5288754535	3404735.456226071	2953.5160326382625	2842.475347146063	2779.930297662675	2780.69676325018	57.1273205139515	61.7777146441731
602	62762	25718.8586770335	847837.3170250766	39.20329617001245	-100.708724	352458.5572	3404731.510017986	2949.5389218577932	2840.570386250744	2774.534729	2774.309763212638	60.47196686873	66.24275503396391
603	62763	26378.8586770335	847837.3170250766	39.2032784218956	-100.706396	352659.585829145	3404727.525	2948.254607739372	2838.621385541576	2770.07615005554	2769.7596375177	58.54523548604175	58.8953137
604	62764	27038.8586770335	847837.3170250766	39.2032622409096	-100.704079	352860.6134220417	3404723.54013967	2948.66472280207	2836.68502108557	2766.425005204287	2768.2494302124924	68.4355087490168	68.4355087490168
605	62765	27698.8586770335	847837.3170250766	39.20322415761098	-100.701798	353061.641318375	3404719.555642219	2951.080538360494	2834.7445706627173	2765.100349895876	2766.95721681137	67.2864020677614	67.2864020677614
606	62766	28358.8586770335	847837.3170250766	39.2032227494314	-100.6994117	353252.6690271139	3404715.571	2952.492613888817	2832.7995329130624	2763.434719503626	2763.434719503626	69.3652377777167	65.2060462532412
607	62767	29018.8586770335	847837.3170250766	39.2032203259522	-100.6970837	353463.6966347636	3404711.58664894	2950.84696324841	2830.84862742823	2762.84950435074	2767.11556917683	67.998985374893	63.73289357544445
608	62768	29678.8586770335	847837.3170250766	39.2031823605765	-100.6947556	353664.7215453636	3404707.602509001	2946.15182165434	2828.8915602801885	2762.095921369986	2767.4830961067564	67.9196811431904	61.40754269513134
609	62769	30338.8586770335	847837.3170250766	39.20316248983946	-100.6924275	353865.751479384	3404703.81657434	2945.39496724027	2826.932201590465	2761.41209526626	2761.9292740313995	65.2926932378609	57.9129275676499
610	62770	30998.8586770335	847837.3170250766	39.203131593393	-100.690094	354066.786652568	340699.63476715	2936.75072315657	2824.97325882773	2760.932566743084	2767.0195122219445	64.0399242446434	54.0571369034104
611	62771	31658.8586770335	847837.3170250766	39.203102485393	-100.6877434	354267.8051158066	340695.851158066	2931.22359115897	2811.372595434285	2758.24810855587	2768.1416910676854	64.11331368978424	54.92176143332
612	62772	32318.8586770335	847837.3170250766	39.203098453051	-100.685443	354468.8316120227	340691.66770492	2927.191495121807	2811.05322726154	2760.187156	2767.3498275760058	60.2464882969405	44.663240580492
613	62773	32978.8586770335	847837.3170250766	39.203076208135	-100.6831152	354669.859273333	340687.6848083	2913.58585377179	2819.1063923061384	2761.060780547994	2760.59336760058	60.2464882969405	44.663240580492
614	62774	33638.8586770335	847837.3170250766	39.2030351349904	-100.6807872	354870.886	340683.701409271	2905.29847915555	2817.1595157210886	2762.0782623298174	2767.2312397167	59.02189391271184	29.9267595933178
615	62775	34298.8586770335	847837.3170250766	39.2030303691815	-100.6784591	355071.912723977	340679.719	2904.314464100916	2815.2148993078185	2763.224987669783	2767.9732977	59.09600540804214	21.27412014660345
616	62776	34958.8586770335	847837.3170250766	39.203007571801	-100.676131	355272.9388120236	340675.73579992	2910.72930004543	2813.284067304097	2763.792470436094	2764.343945115916	49.23226868023	18.44017415881808
617	62777	35618.8586770335	847837.3170250766	39.2029827	-100.6738297	355473.9650107685	340671.753362291	2917.1917259515897	2811.372595434285	2758.24810855587	2768.1416910676854	64.11331368978424	54.92176143332
618	62778	36278.8586770335	847837.3170250766	39.2029542381268	-100.6714749	355674.991097423	340667.77090255	2914.035151823426	2808.93291574326	2757.1904801	2768.1416910676854	64.11331368978424	54.92176143332
619	62779	36938.8586770335	847837.3170250766	39.2029332950785	-100.6691468	355876.016880507	340663.78870768	2927.062758542841	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
620	62780	37598.8586770335	847837.3170250766	39.2029072023453	-100.6668187	356077.042776007	340659.86071619	2927.062758542841	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
621	62781	38258.8586770335	847837.3170250766	39.2028805929925	-100.6644907	356278.0684042914	340655.82489104	2927.062758542841	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
622	62782	38918.8586770335	847837.3170250766	39.2028557678303	-100.6621626	356479.093065408	340651.84372307	2928.325912991295	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
623	62783	39578.8586770335	847837.3170250766	39.2028292502485	-100.6598348	356680.1152675394	340647.86177254	2928.325912991295	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
624	62784	40238.8586770335	847837.3170250766	39.20280191454539	-100.6575786	356881.14442971824	340643.88047015	2928.325912991295	2807.303886028389	2757.3873986177314	2767.01951221687706	47.14348741	35.2896434161634
625	62785	40898.8586770335	847837.3170250766	39.2027741934368	-100.6551784	357082.1696370167	340639.86396465	2918.8302710861295	2796.23741457135014	2756.103779223637	2745.13464849432	55.17965291973206	51.102798232367185
626	62786	41558.8586770335	847837.3170250766	39.20274610260685	-100.6528503	357283.1945179059	340635.91360090	2916.34700600263	2794.390787836323	2738.225973336379	2745.13464849432	55.17965291973206	51.102798232367185
627	62787	42218.8586770335	847837.3170250766	39.2027175620944	-100.6505222	357484.2193245006	340631.97471053	2912.321381079885	2792.57584879507	2738.225973336379	2745.13464849432	55.17965291973206	51.102798232367185
628	62788	42878.8586770335	847837.3170250766	39.2026885718993	-100.6481942	357685.2439390056	340627.95709007	2910.771346201425	2790.746283052174	2733.63501573882	2737.05202749368	57.12926712292086	53.7120802325347
629	62789	43538.8586770335	847837.3170250766	39.20265913202166	-100.6458961	357886.268532629	340623.977	2903.18131362916	2788.972361	2731.7372398074	2734.6260431322958	54.3549564992028	54.3549564992028
630	62790	44198.8586770335	847837.3170250766	39.2026292420446	-100.643538	358087.2931649577	340619.99641205	2906.6112765233528	2787.196541503628	2728.31121548904	2731.9827266982754	57.88541301472469	55.21381554095236
631	62791	44858.8586770335	847837.3170250766	39.20260032223995	-100.641291	358288.3201916814	340615.99641205	2904.040404040404	2785.24810855587	2727.3498275760058	2768.1416910676854	64.11331368978424	54.92176143332
632	62792	45518.8586770335	847837.3170250766	39.202571	-100.638819	358489.3413011537	340611.93548859	2903.83682591533	2783.69413456284	2724.242311442128	2738.225973336379	55.17965291973206	51.102798232367185
633	62793	46178.8586770335	847837.3170250766	39.2025423657717	-100.6365358	358690.3654	340608.05683429	2901.68893127658	2781.3692614817186	2726.12697546634	2736.230699798825	55.82286735084715	45.738

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BREIEVLogKrg.ft	BREIEVBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
715	62875	100298.85687307335	847837.3170250766	39.02084450483142	-100.4456531	375173.8848811787	4020822.32645462	7462.897280739276	2659.131251093835	2620.25995999104	2620.523566346341	38.6725513471356	38.6078647479466
716	62876	100558.85687307335	847837.3170250766	39.2028374486332	-100.44325	375274.8983981314	4340027.861489397	7567.937811959138	2619.975034166431	2620.43266589573	37.98687776270725	37.53948336965628	37.53948336965628
717	62877	101618.85687307335	847837.3170250766	39.2028374470688	-100.4409871	376781.9868783524	4402026.131708485	7761.057913	2658.138142096344	2618.583238102843	2618.583238102843	38.40271281443905	38.40271281443905
718	62878	102938.85687307335	847837.3170250766	39.2028373801340706	-100.436369	375757.786750945	4402026.09926992	7755.091196726164	2655.640093760642	2619.071200966442	2619.314120966442	36.2967511400009	36.2967511400009
719	62879	102938.85687307335	847837.3170250766	39.20281681024344	-100.4363409	375977.9376338751	4402026.467664165	7752.3361422526085	2654.4637275387076	2618.346628602497	2618.5590481707764	36.1168978480573	35.904678393791294
720	62880	104258.85687307335	847837.3170250766	39.20280977417876	-100.4340129	376178.9504733847	4402026.503409689	7748.42806192166046	2653.278734366657	2617.373384	2617.373384	35.9053490170451	35.491037907297215
721	62881	104258.85687307335	847837.3170250766	39.20280683146771	-100.4316848	376379.9631938326	4402026.53323256	7746.59138784888	2650.8868695112	2616.692181087157	2617.07124805553	35.9388687922643	35.0086345845682
722	62882	104418.85687307335	847837.3170250766	39.202795567147305	-100.4293568	376580.97519451913	4402024.57431857	7743.61190085283	2650.848861626576	2616.040207564445	2616.55897272259	34.83567759821244	34.32587440389674
723	62883	104658.85687307335	847837.3170250766	39.2027868180586	-100.4270287	376781.9868783524	4402026.131708485	7741.057913	2649.875524700126	2616.138142096344	2616.583238102843	34.98351426706975	34.98351426706975
724	62884	104658.85687307335	847837.3170250766	39.2027781180246426	-100.4247707	376983.0024333598	4402026.468162123	7738.857716	2648.450513246724	2615.2008152089124	2616.008566989789	32.767035937000	32.695445488353
725	62885	104658.85687307335	847837.3170250766	39.20277391934456	-100.4232727	377184.0128890745	4402026.48479265	7738.65762	2647.232956079447	2614.448332347583	2615.536562898403	32.784627760351795	31.693339718304378
726	62886	105758.85687307335	847837.3170250766	39.20276661347621	-100.4200446	377385.02507126977	4402028.716800475	7740.04758	2646.0039562290945	2613.69859706889	2614.9335604040205	32.30406952205233	31.0710012250793
727	62887	105758.85687307335	847837.3170250766	39.20275926264013	-100.4177166	377586.0370276297	4402028.758500035	7732.891115557318	2644.77147232902	2612.6542304136096	2613.44845560181	32.1157102029233	30.717028863721225
728	62888	105878.85687307335	847837.3170250766	39.2027518668367	-100.4153088	377787.0489	4402028.795746644	7731.9563975158477	2643.535751538477	2611.2994781670204	2612.8568102588373	32.2360968487206	30.678763095477306
729	62889	105878.85687307335	847837.3170250766	39.20274442606617	-100.4135836	377988.066965584	4402028.83308222	7731.0256791435995	2642.296322671490537	2609.6246717490537	2611.301396508889	32.16454688482508	30.9948261867162
730	62890	11018.85687307335	847837.3170250766	39.20273694032327	-100.4107325	378189.072537375	440222.871	7730.092904366956	2641.0538074221195	2608.3254994501567	2609.631112386403	32.7283077196275	31.42299503479137
731	62891	110658.85687307335	847837.3170250766	39.202742940623146	-100.4084044	378390.06389479754	4402028.908239248	7728.334037917706	2639.801128957803	2608.273811979309	2607.686226304478	32.1334168654544	32.1290439040595
732	62892	11158.85687307335	847837.3170250766	39.20272183350579	-100.4060764	378591.053190437	440214.14612681	7728.767840000736	2638.558947545606	2606.24162647041897	2606.2744113139062	34.3963007741623	32.98236611552374
733	62893	11218.85687307335	847837.3170250766	39.20271421331123	-100.4037484	378792.10662687684	4402028.984209408	7728.195326258167	2637.299570473102	2601.2429752294034	2603.84165654548	30.6596523436903	33.4571932768524
734	62894	11238.85687307335	847837.3170250766	39.20270654770442	-100.4014203	378993.1781791085	4402027.02423322	7727.628225	2636.0277998558026	2598.832324491445	2601.5807536332204	31.954578335003	34.4472622582313
735	62895	113498.85687307335	847837.3170250766	39.20269883130747	-100.3990923	379194.1288924545	4402030.061	7726.039942453038	2634.743737	2595.814066394273	2597.7853251724246	38.92967039897348	36.95841162082545
736	62896	11458.85687307335	847837.3170250766	39.20269181559315	-100.396743	379395.13965197945	4402019.09409346	7724.467046352626	2633.44758255904	2593.839327206001	2596.453712078664	38.95376451827394	36.7292418728294
737	62897	11458.85687307335	847837.3170250766	39.20268452545481	-100.3946362	379594.1569528247	4402018.138163823	7724.467046352626	2632.158142096344	2592.158142096344	2594.158142096344	38.95376451827394	36.7292418728294
738	62898	11458.85687307335	847837.3170250766	39.20267543505576	-100.3921082	379797.16142286794	440191.712005434	7718.2062154035576	2630.018504303675	2584.812359790245	2589.527455776716	40.0643904012259	41.29134953954934
739	62899	116138.85687307335	847837.3170250766	39.202667545162996	-100.3897802	379989.1720351572	4402017.217221919	7718.2062154035576	2629.48668334321	2581.825303878414	2586.69137946489525	42.79524784478655	42.79524784478655
740	62900	116798.85687307335	847837.3170250766	39.20265961	-100.3874521	380199.18253254466	440183.255	7708.3141957752987	2628.142783125104	2585.279111988495	2586.6203586614724	42.663714	41.5222446383798
1	62901	370941.1413	848497.3170250766	39.180742835036	-102.1078454	231611.0474134288	33403.201385313	4037.953106477367	3843.7612004631023	3775.568457985144	3747.640164647905	62.1877314705822	69.1121473
2	62902	370281.1413	848497.3170250766	39.18090954768334	-102.1051777	231812.55572760288	343356.22731496	4037.953106477367	3843.7612004631023	3772.196203661398	3771.8256437020596	70.1364696830722	70.5075682932499
3	62903	369621.1413	848497.3170250766	39.18124172509012	-102.103187	232013.7064477175	343356.22731496	4037.953106477367	3843.7612004631023	3769.061528121128	3769.061528121128	70.1364696830722	70.5075682932499
4	62904	368491.1413	848497.3170250766	39.18149497152214	-102.100824	232214.1493738612	343356.22731496	4037.953106477367	3843.7612004631023	3765.04473251491	3765.04473251491	70.5075682932499	70.5075682932499
5	62905	368301.1413	848497.3170250766	39.1817502600486	-102.0985347	232416.007903286	343356.22731496	4037.953106477367	3843.7612004631023	3763.928555142653	3766.816450179778	73.1711040638574	73.34791309422008
6	62906	367641.1413	848497.3170250766	39.1820055927746	-102.096207	232617.157013235	343356.22731496	4037.953106477367	3843.7612004631023	3763.45588381016	3764.38797	75.075785350503	74.0555880428661
7	62907	366981.1413	848497.3170250766	39.182251200426	-102.093879	232818.306708172	343356.22731496	4037.953106477367	3843.7612004631023	3762.132431899282	3760.64238184264	71.822347550657	74.1925711252461
8	62908	366321.1413	848497.3170250766	39.182501	-102.091516	233019.45606327843	343331.66848027	4036.83245903113	3833.45640334595	3760.0732639519426	3758.2550595091526	73.38134074	75.1873237554413
9	62909	365661.1413	848497.3170250766	39.1827503453787	-102.0892238	233201.60519062472	343331.66848027	4036.83245903113	3833.45640334595	3759.31895859841	3756.25755	75.6824981008483	75.6824981008483
10	62910	365101.1413	848497.3170250766	39.18292925454541	-102.0869682	233421.7545035612	343331.66848027	4036.83245903113	3833.45640334595	3758.194194977518	3754.194194977518	76.214843986473	76.214843986473
11	62911	364341.1413	848497.3170250766	39.18324758755636	-102.0845685	233622.9026519931	343319.371742011	4031.279087118825	3828.913214487583	3752.90479049305	3752.114338790023	76.0734534368023	76.0734534368023
12	62912	363681.1413	848497.3170250766	39.18349565781	-102.0822408	233824.050980627	343315.29984459	3999.59471719435	3827.38202548289	3750.8796083546	3750.071734224005	76.44040516483283	77.3465431
13	62913	363021.1413	848497.3170250766	39.1837432340633	-102.0799131	234025.19905596056	343311.260105568	3987.89422116783	3825.8418538746935	3748.09222454072	3748.09222454072	77.9873013163737	77.9873013163737
14	62914	362361.1413	848497.3170250766	39.1839303237675	-102.0775854	234226.34686201456	343307.116545408	3969.19005236532	3824.2927977573013	3745.609049885343	3746.156382076912	78.68289287	78.68289287
15	62915	361701.1413	848497.3170250766	39.1842388819041	-102.0752577	234427.49404481374	343303.02518011	3941.69191166073	3823.749892006929	3743.78586796391	3744.1947875419082	78.9504405453825	78.95044053825
16	62916	361041.1413	848497.3170250766	39.18464831147904	-102.07273	234628.6141683206	343298.539373368	3953.3981390146055	3821.164961404297	3742.178729692147	3742.385043843464	78.95044053825	78.95044053825
17	62917	360381.1413	848497.3170250766	39.1849742319034	-102.07028	234829.788698545	343294.849181472	3964.849181472	3819.384675542	3740.849181472	3740.849181472	78.95044053825	78.95044053825
18	62918	359721.1413	848497.3170250766	39.1854742319034	-102.068278	235030.93545143068	343290.75123245	3970.81043470758	3817.940462821843	3739.356181706508	3739.356181706508	78.95044053825	78.95044053825
19	62919	359061.1413	848497.3170250766	39.1858219082746	-102.0659489	235232.081941148	343286.61489096	3986.5983188509	3816.390798	3738.20886238872	3738.598917490485	78.1899153	77.791802747521
20	62920	358401.1413	848497.3170250766	39.18654384									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKrg.f	BREIEVLogKrg.f	SatThLogs.f	SatThBoth.f
101	86	63001	-304941.1413	848497.3170250766	39.20037669260276	-117.87506997	251725.2193240998	4342951.48988439	3794.353631944242	3671.981316086099	3624.773902474961	3622.8618727232897	47.207413011048196	49.1194336271927
102	86	63002	-304281.1413	848497.3170250766	39.2003744610857	-117.8727419	251926.3447114259	4342947.74185708	3790.079157165546	3669.265261765693	3624.4238536514613	3623.7601384210766	48.84140811423504	50.1552334461973
103	86	63003	-303621.1413	848497.3170250766	39.20041815	-117.870441	252127.4696831227	4342943.0888631441	3784.574972863493	3615.21537	3623.616938703087	3623.4187943872457	41.09479538729994	43.0406989830356
104	86	63004	-302961.1413	848497.3170250766	39.200438818238474	-117.8680682	252328.5949739527	4342937.632727642	3774.371079361742	3663.73494004182	3624.650995280807	3626.580161629472	39.03706411209425	37.15476777209874
105	86	63005	-302301.1413	848497.3170250766	39.20044936862516	-117.8657584	252529.7190400485	4342935.547670495	3771.1071852122040	3660.93745714389	3623.289966684351	3627.130693831976	37.61667583401075	33.8068534522194
106	86	63006	-301641.1413	848497.3170250766	39.20048010525915	-117.8634306	252730.843064889	4342931.473969397	3764.3732913866284	3658.130020782617	3620.904310728628	3626.2054041465897	37.22589005423379	31.9247589632703
107	86	63007	-300981.1413	848497.3170250766	39.20050054	-117.8611027	252931.9677672027	4342927.399404437	3762.4219185647413	3655.3216099716915	3617.404942288304	3624.605031796296	37.91666783340175	30.9165781539544
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113	86	63013	-297021.1413	848497.3170250766	39.20062277	-117.8471357	254138.7078051425	4342903.95677255	3767.9333676567254	3639.008151570034	3578.6983236643525	3607.773084637487	60.286927923701505	61.6187693228728
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123	86	63023	-290421.1413	848497.3170250766	39.2008243785659	-117.8239414	256149.631725089	4342862.34464901	3768.284858915793	3617.02953477154323	3554.00474339117	3580.142283508975	69.580173844115867	32.13978044115867
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129	86	63029	-286461.1413	848497.3170250766	39.20094075956315	-117.80986	257356.5389933535	4342839.345683535	3738.284858915793	3612.81543435614	3559.465739157688	3580.142283508975	62.94029739515245	37.64303580305256
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133	86	63033	-283821.1413	848497.3170250766	39.20101850417768	-117.8005786	258161.1110038014	4342821.53290714	3714.0717184799016	3607.97008517813	3549.1456393123626	3562.7134970842058	58.82446440450555	45.79658622510636
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143	86	63043	-277221.1413	848497.3170250766	39.2012122144738058	-117.7773347	260176.8398178272	4342780.339879715	3674.4270319817827	3598.19672815877	3548.959421628641	3567.7100641373064	62.94029739515245	37.64303580305256
144	86	63044	-276561.1413	848497.3170250766	39.20122849351064	-117.7749179	260373.3918072025	4342776.767481423	3674.611584207005	3597.771155	3551.1525411184726	3559.416573040403	64.1861103296584	38.2940435278933
145	86	63045	-275901.1413	848497.3170250766	39.2012473136722									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatThkLog.s	SatThkBoth.f
22	86	63127	-22781.1413	848497.3170250766	39.20263759819986	-101.5817538	277065.1508521057	4342439.768833244	3568.3830939661313	3416.520433586669	3440.5896909662347	3472.51177871557	0	0
228	86	63128	-22121.1413	848497.3170250766	39.20265264639682	-101.5794299	277266.2469505044	4342436.716208233	3566.8157292161723	3414.456622954105	3439.3338074986856	3470.132349339444	0	0
229	86	63129	-21536.1413	848497.3170250766	39.20266789962987	-101.5779789	277467.3427382945	4342431.683646432	3568.2493350682127	3412.2903596589153	3438.4892374310247	3467.87947498468	0	0
230	86	63130	-219801.1413	848497.3170250766	39.2026828789627	-101.5747499	277668.43835190416	4342437.61362075	3568.069889162532	3410.3217889834972	3427.244848	3465.794618242161	0	0
231	86	63131	-219141.1413	848497.3170250766	39.20269764119874	-101.5724419	277869.53374613076	4342423.559300877	3561.918335144809	3408.2495886170827	3436.000568967827	3463.812121804856	0	0
232	86	63132	-218481.1413	848497.3170250766	39.20271255	-101.570114	278070.6289211793	4342419.507420926	3559.960397752181	3406.17312520542	3434.658786653933	3460.848371339465	0	0
233	86	63133	-217821.1413	848497.3170250766	39.20272741290895	-101.5677786	278271.237275493	4342415.455722219	3558.002460359452	3404.0918112013424	3433.327662413047	3459.532824012121	0	0
234	86	63134	-217161.1413	848497.3170250766	39.20274223131667	-101.565458	278472.81861456175	4342411.402404747	3556.045229667232	3402.004943	3431.9192767247188	3456.637420720828	0	0
235	86	63135	-216501.1413	848497.3170250766	39.202757004759045	-101.563813	278673.8191	4342407.353	3555.292358182937	3399.811929	3430.106538091057	3455.1983797667743	0	0
236	86	63136	-215841.1413	848497.3170250766	39.20277173327315	-101.563802	278769.00733499176	4342403.307173476	3555.582657015574	3397.813697161597	3429.100200069536	3451.15517053896	0	0
237	86	63137	-215181.1413	848497.3170250766	39.202786416749845	-101.5584741	279076.105159251	4342399.250739661	3555.927392179051	3395.70726867434	3426.528161070654	3447.5189140641976	0	0
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239	86	63139	-213861.1413	848497.3170250766	39.20281564888006	-101.5538181	279478.280267514	4342391.149335643	3555.0312139858738	3391.487248619911	3423.137715	3438.367044306317	0	0
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241	86	63141	-212541.1413	848497.3170250766	39.20284470114986	-101.5491621	279880.4756674239	4342383.048665839	3548.3876402233026	3387.2588471836034	3418.589695975018	3430.6227174388779	0	0
242	86	63142	-211881.1413	848497.3170250766	39.202859159837628	-101.5468341	280081.5686619566	4342378.998581929	3546.5648963555175	3385.14135435983	3416.208021597413	3426.61842414164	0	0
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246	86	63146	-209241.1413	848497.3170250766	39.2029165444003	-101.5375222	280885.9385729076	4342362.801126684	3535.1693314877953	3376.629343089584	3405.46688884127	3412.271188347683	0	0
247	86	63147	-208581.1413	848497.3170250766	39.20293078	-101.5351942	281087.3004848795	4342358.70964639	3533.203079275916	3374.4883734236864	3403.631574462055	3408.96602259262	0	0
248	86	63148	-207921.1413	848497.3170250766	39.2029487696938	-101.5328662	281288.1221809595	4342354.705819589	3532.1232026905377	3372.3412611740237	3401.37699597145	3405.44526520052	0	0
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258	86	63158	-201321.1413	848497.3170250766	39.20308433553765	-101.5095863	283299.0271328096	4342314.221346125	3513.84331986436	3350.4770248306202	3373.148502303641	3379.170091	0	0
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262	86	63162	-198681.1413	848497.3170250766	39.20313899599345	-101.5002742	284103.383714087	4342298.03524814	3513.301260718103	3341.519485117852	3360.288540640055	3362.85116776326	0	0
263	86	63163	-198021.1413	848497.3170250766	39.2031525405273094	-101.4979662	284304.471853362	4342293.689999933	3513.321710710138	3339.2540134323064	3358.78051159047	3362.70102682876	0	0
264	86	63164	-197361.1413	848497.3170250766	39.20316587471983	-101.4956182	284505.56012320454	4342289.92160645	3512.7461767832087	3336.9782974147576	3353.211257490026	3352.953494004517	0	0
265	86	63165	-196701.1413	848497.3170250766	39.203179299200784	-101.4932902	284706.64818036277	4342285.897	3512.3601764648347	3334.6950400606374	3349.672003066593	3348.590474445604	0	0
266	86	63166	-196041.1413	848497.3170250766	39.203192678715936	-101.4909622	284967.7360253114	4342281.851291332	3511.974176146461	3332.402185888759	3347.097542845189	3345.729654504388	0	0
267	86	63167	-195381.1413	848497.3170250766	39.20320601326529	-101.4886342	285108.7865825685	4342277.805705459	3511.699270132228	3330.1029184403283	3343.632295735427	3341.967392654071	0	0
268	86	63168	-194721.1413	848497.3170250766	39.2032193284675	-101.4863062	285309.391107940713	4342276.760390365	3511.5345842412435	3327.799203460555	3340.998062486214	3338.42271437859	0	0
269	86	63169	-194061.1413	848497.3170250766	39.20323274746637	-101.4839782	285512.715214141	4342272.15214141	3511.42294891453816	3325.8748693298	3338.5271583057	3337.5271583057	0	0
270	86	63170	-193401.1413	848497.3170250766	39.203245477118096	-101.4816502	285712.0852871119	4342265.670213995	3511.2078355014948	3323.146202999244	3335.78367800818	3331.043310734264	0	0
271	86	63171	-192741.1413	848497.3170250766	39.2032589018308	-101.4793222	285913.1270740886	4342261.62536703	3510.8250606461217	3320.873821988156	3332.3896323706567	3328.705863269174	0	0
272	86	63172	-192081.1413	848497.3170250766	39.20327201123744	-101.4769942	286114.258650045	4342257.58076068	3510.21209662	3318.56164648017	3329.4530943508325	3325.371891372826	0	0
273	86	63173	-191421.1413	848497.3170250766	39.203285076277595	-101.4746661	286315.3450153055	4342253.36305572	3512.988167329983	3316.249375498644	3326.594001	3323.02223	0	0
274	86	63174	-190761.1413	848497.3170250766	39.2032980606547	-101.472381	286516.431169959	4342249.492031418	3512.987971767346	3313.338886840532	3324.783528955993	3321.7617042223714	0	0
275	86	63175	-190101.1413	848497.3170250766	39.20331170887527	-101.4700101	286717.5171242054	4342245.468	3512.89697294476	3311.530289122086	3320.3841745383897	3320.72296	0	0
276	86	63176	-189441.1413	848497.3170250766	39.20332407014312	-101.467821	286918.8024857056	4342241.404	3512.803763531					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevKgr.ft	AttKthLog.s	SurfKthLog.s
353	86	63253	-138621.1413	848497.3170250766	39.20418456480542	-101.2884227	302401.589699791796	31431930.55648664	3334.019191949841	321.67016374111072	3167.58824994804095	31.70369218850469	48.37841856060322
354	86	63254	-137961.1413	848497.3170250766	39.204193987241917	-101.2880494	302602.659524059497	31431930.55629212	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
355	86	63255	-137491.1413	848497.3170250766	39.2042036196710805	-101.2875158	302803.7294219362	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
356	86	63256	-136641.1413	848497.3170250766	39.20421696720991	-101.2814384	303004.79000716257	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
357	86	63257	-135981.1413	848497.3170250766	39.20422198474227	-101.2791104	303205.863898255	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
358	86	63258	-135321.1413	848497.3170250766	39.204232127306556	-101.2767823	303406.9379571297	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
359	86	63259	-134661.1413	848497.3170250766	39.2042404290305	-101.2744542	303608.0066028054	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
360	86	63260	-134001.1413	848497.3170250766	39.20424957573264	-101.2721262	303809.075144819	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
361	86	63261	-133341.1413	848497.3170250766	39.2042596519385	-101.2697189	304010.1440338905	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
362	86	63262	-132681.1413	848497.3170250766	39.2042674788717	-101.26747	304211.214605973	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
363	86	63263	-132021.1413	848497.3170250766	39.20427676561267	-101.2651149	304412.28069544036	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
364	86	63264	-131361.1413	848497.3170250766	39.204285738370274	-101.2628139	304613.3487379849	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
365	86	63265	-130701.1413	848497.3170250766	39.20429466615998	-101.2604858	304814.416588422	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
366	86	63266	-130041.1413	848497.3170250766	39.204303549961834	-101.2581577	305015.48424723255	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
367	86	63267	-129381.1413	848497.3170250766	39.20431236859734	-101.2558296	305216.5517145271	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
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369	86	63269	-128061.1413	848497.3170250766	39.204329927639705	-101.2511735	305618.6860753894	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
370	86	63270	-127401.1413	848497.3170250766	39.20433863508971	-101.2488454	305819.752693674	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
371	86	63271	-126741.1413	848497.3170250766	39.20434728857174	-101.2465173	306020.8196724684	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
372	86	63272	-126081.1413	848497.3170250766	39.20435615058581	-101.2441892	306221.886145851	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
373	86	63273	-125421.1413	848497.3170250766	39.204364496631834	-101.2418611	306422.9520794676	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
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375	86	63275	-124101.1413	848497.3170250766	39.204382138515336	-101.2367358	306823.47841247	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
376	86	63276	-123441.1413	848497.3170250766	39.2043903936577	-101.2343769	307026.15045374537	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
377	86	63277	-122781.1413	848497.3170250766	39.2043982213952	-101.2325488	307227.2159991547	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
378	86	63278	-122121.1413	848497.3170250766	39.20440663534516	-101.2302207	307428.2814	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
379	86	63279	-121461.1413	848497.3170250766	39.20441483382771	-101.2278926	307629.3465839304	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
380	86	63280	-120801.1413	848497.3170250766	39.20442313685211	-101.2255465	307830.4115543036	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
381	86	63281	-120141.1413	848497.3170250766	39.20443138515336	-101.2232365	308031.47841247	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
382	86	63282	-119481.1413	848497.3170250766	39.2044395944626	-101.2209084	308232.0808137375	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
383	86	63283	-118821.1413	848497.3170250766	39.20444767685135	-101.2185803	308433.6054122847	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
384	86	63284	-118161.1413	848497.3170250766	39.20445570248094	-101.2162522	308634.696655138	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
385	86	63285	-117501.1413	848497.3170250766	39.20446377867659	-101.2139241	308835.73703102139	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
386	86	63286	-116841.1413	848497.3170250766	39.204471762136555	-101.211596	309036.79375776412	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
387	86	63287	-116181.1413	848497.3170250766	39.204479152671	-101.2092978	309237.8612576509	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
388	86	63288	-115521.1413	848497.3170250766	39.204487319152874	-101.2069398	309438.7410245476	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
389	86	63289	-114861.1413	848497.3170250766	39.20449544	-101.2046118	309639.8980250034	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
390	86	63290	-114201.1413	848497.3170250766	39.20450324629544	-101.2022837	309841.051752158	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
391	86	63291	-113541.1413	848497.3170250766	39.20451100491437	-101.1999556	310042.1147070060	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
392	86	63292	-112881.1413	848497.3170250766	39.20451871856468	-101.1976275	310243.176535897	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
393	86	63293	-112221.1413	848497.3170250766	39.204526378274277	-101.1952994	310444.2393133905	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
394	86	63294	-111561.1413	848497.3170250766	39.20453401096119	-101.1929713	310645.3017872056	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
395	86	63295	-110901.1413	848497.3170250766	39.204541734142674	-101.1906438	310846.3701238748	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
396	86	63296	-110241.1413	848497.3170250766	39.204549312348402	-101.1883151	311047.42597770283	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
397	86	63297	-109581.1413	848497.3170250766	39.20455661229283	-101.185987	311248.48779479385	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
398	86	63298	-108921.1413	848497.3170250766	39.20456406613368	-101.1836589	311449.5494267198	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
399	86	63299	-108261.1413	848497.3170250766	39.20457146	-101.1813308	311650.6108736844	31431930.55619362	331.614825007497	321.51598347002341	3168.0432755828633	31.70369218850469	48.37841856060322
400	86	63300	-107601.										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtLog.f	SatHtBoth.f
479	86	63379	-55461.14133	848497.3170250766	39.205017666018044	-100.9506819	327734.956955615	4314424.225135101	3147.0951677539842	2970.585471748547	2903.862522232025	2956.805906402666	66.7229495134468	113.70406641428065
480	86	63380	-54801.14133	848497.3170250766	39.205021422409518	-100.9527638	327935.96204029884	4314420.217369152	3145.82529164029613	2969.3683738063084	2901.932027024041	2965.442511052533	69.33453082762929	103.2612270157815
481	86	63381	-55018.14133	848497.3170250766	39.205025133631175	-100.9504257	328137.9689180373	4314382.110626319	3144.5506965819774	2961.293685378771	2901.293685378771	2917.148692475545	72.1148692475545	96.86021735666139
482	86	63382	-54391.14133	848497.3170250766	39.2050208028468	-100.9800676	328338.066271799	4314412.204175187	3143.278413700974	2966.9420458036674	2903.733642	2970.654158036674	73.20840640486723	96.278950107001
483	86	63383	-52621.14133	848497.3170250766	39.205032421768315	-100.9857694	328539.1332685647	4314408.197547149	3141.7895876995466	2965.731380433795	2891.5146809006987	2967.5820917117087	74.21669933306929	98.1452862206831
484	86	63384	-52621.14133	848497.3170250766	39.2050359828266	-100.9834314	328740.1797423945	4314404.171039385	3140.084187476715	2964.251656	2889.401532109679	2967.5820917117087	75.120123073511	101.158917003146
485	86	63385	-51501.14133	848497.3170250766	39.205039528627694	-100.9811132	328941.226048855	4314400.18482925	3138.3787879544818	2963.31911059809	2887.541636	2861.575020527374	75.7027251375927	101.7384410707169
486	86	63386	-50841.14133	848497.3170250766	39.20504301640341	-100.9787651	329122.2721882111	4314396.17387322	3136.673387144558	2962.106922217256	2886.040005	2960.377304348187	76.06286703219575	101.72387834649
487	86	63387	-50181.14133	848497.3170250766	39.2050465690982	-100.9765689	329343.2445066072	4314382.17282777	3136.07026976936	2960.324649782258	2884.327115891056	2961.4472825010884	76.9376338047556	98.4776728849183
488	86	63388	-49521.14133	848497.3170250766	39.205049654648594	-100.974128	329544.3630622653	4314376.16705904	3135.5693438017242	2960.22514535918	2883.14348578913	2961.04630738117	77.016897490508	95.123325620943
489	86	63389	-48861.14133	848497.3170250766	39.20505330631463	-100.9718007	329745.4096539575	4314384.16154352	3137.068598324122	2959.614214932957	2882.533943521364	2869.670315	77.0802713807029	89.9439375
490	86	63390	-48201.14133	848497.3170250766	39.20505651301305	-100.9694726	329946.55045781982	4314380.156170448	3137.567762845196	2959.004843275485	2882.03984220361	2867.463546	76.9650045512403	88.54129760742527
491	86	63391	-47541.14133	848497.3170250766	39.20505977424104	-100.9671444	330147.5003848783	4314376.150974272	3134.7864215559605	2958.349899627227	2881.81211205889	2867.746134775054	76.95887890063375	90.6487651156861
492	86	63392	-46881.14133	848497.3170250766	39.20506291501826	-100.9648163	330348.545256549	4314376.14591717	3132.742574463245	2957.738082563412	2881.5151270952	2862.1580427554977	76.9522804515977	95.6289731
493	86	63393	-46221.14133	848497.3170250766	39.20506613252917	-100.9624882	330549.5905006989	4314388.14126173	3122.627176926629	2957.71992814372	2881.112396028235	2862.176229222144	76.95963876137	92.9923205215763
494	86	63394	-45561.14133	848497.3170250766	39.2050690211315	-100.9601601	330750.6331024597	4314384.13469832	3116.60008270614	2956.558837789153	2880.416331	2873.787811547314	76.961270023235	92.67112243160136
495	86	63395	-44901.14133	848497.3170250766	39.20507237196477	-100.9567819	330951.6799548041	4314360.1312996782	3110.58306397565	2955.4452560130485	2879.773309523078	2880.282320124628	76.971496489095	95.76623938482063
496	86	63396	-44241.14133	848497.3170250766	39.205075408847016	-100.9555038	331152.724433633	4314363.17627432	3104.609372713567	2954.331772367482	2879.034522218163	2869.581325023766	76.97295014931864	85.750451844411
497	86	63397	-43581.14133	848497.3170250766	39.205078400759874	-100.9531757	331363.7687478856	4314352.13259593	3082.6356501036572	2954.7186265117534	2877.862938	2861.994304591947	76.9558688452322	92.72432191808024
498	86	63398	-42921.14133	848497.3170250766	39.205081347770335	-100.9508475	331554.8128974505	4314384.11963347	3092.6619240125574	2954.1063010402585	2876.4977120138255	2861.605889432396	92.97820240655234	
499	86	63399	-42261.14133	848497.3170250766	39.205084914	-100.9485194	331755.86862536	4314344.11559303	3089.807119485806	2954.046109280167	2875.0769243248487	2861.919033798422	78.49148495318409	90.57710584174464
500	86	63400	-41601.14133	848497.3170250766	39.20508710659212	-100.9461913	331956.9007503395	4314340.11294613	3087.017194848076	2952.887758074821	2874.1104332276764	2866.44953145268	78.7173244714443	86.4402656525828
501	86	63401	-40941.14133	848497.3170250766	39.2050903681714	-100.9438844	332183.988504605	4314284.088501124	3084.444951407028	2954.7205544823	2868.4596527176482	2864.632861747602	78.954600110116	
502	86	63402	-40281.14133	848497.3170250766	39.205092857846	-100.941535	332359.98752654	4314321.10566745	3080.59536274073	2951.67707785581	2868.32345367209302	2864.2581915058413	84.4525411647053	67.461162829343
503	86	63403	-39621.14133	848497.3170250766	39.20509504788108	-100.9392069	332560.031282003	4314328.10263596	3079.017893336803	2951.0740221552683	2868.059236742826	2866.059176724034	75.01478544002565	55.0148034862246
504	86	63404	-38961.14133	848497.3170250766	39.20509800500125	-100.936878	332761.0744477961	4314324.09758843	3071.747695254748	2950.469042579315	2866.0008175038934	2867.5952087542174	52.87348428503266	
505	86	63405	-38301.14133	848497.3170250766	39.2051007116573	-100.9345506	332962.1175402779	4314320.097073201	3070.492350771086	2949.8622534837436	2886.2665206788256	2899.574140683452	51.56825207542174	50.287386130266
506	86	63406	-37641.14133	848497.3170250766	39.2051033	-100.9322225	333163.1602897061	4314316.04566663	3068.165931909698	2949.255208255556	2891.58107014848	2892.396394464098	57.42412952	
507	86	63407	-36981.14133	848497.3170250766	39.20510585672814	-100.929884	333364.202962902	4314312.382	3062.5578971843	2948.4545163841324	2892.556527765205	2894.4545163841324	58.175483171002	
508	86	63408	-36321.14133	848497.3170250766	39.2051083429194	-100.9275663	333564.2450423415	4314308.0000869	3060.617329517294	2948.04171399508	2891.43004432207	2896.71934042666	66.61612826117562	67.1842813204176
509	86	63409	-35661.14133	848497.3170250766	39.2051108	-100.9252381	333766.278317407	4314304.088121595	3060.680336431198	2947.4542024355496	2881.73384145316	2880.633501	68.617015594182	
510	86	63410	-35001.14133	848497.3170250766	39.2051132	-100.92291	333967.33	4314300.08633191	3060.747063750775	2946.847458087735	2882.756086773055	2882.000493591453	64.09004741044731	64.84606449629973
511	86	63411	-34341.14133	848497.3170250766	39.20511565535154	-100.9205819	334168.3720426484	4314296.085	3060.406740643598	2946.2532801262514	2884.595920975947	2883.987352031276	61.65762504304615	62.26624681321387
512	86	63412	-33681.14133	848497.3170250766	39.20511783312464	-100.9182537	334369.31491369235	4314292.03828164	3064.659590454626	2946.05299625042	2886.540707	2885.993046452623	55.1228941212197	59.6949048207568
513	86	63413	-33021.14133	848497.3170250766	39.2051205552672	-100.9159296	334570.4556715015	4314288.02630129	3063.912330447135	2945.076539143508	2887.876986919534	2888.5871427239257	57.19987021255469	57.49509604182406
514	86	63414	-32361.14133	848497.3170250766	39.20512328595678	-100.913678	334771.4971558905	4314284.088501124	3062.5578971843	2944.494951407028	2886.4596527176482	2886.4596527176482	58.175483171002	
515	86	63415	-31701.14133	848497.3170250766	39.20512655422366	-100.9112923	334973.335734510823	4314280.0806154	3061.718716182163	2943.717830704083	2888.516424897349	2888.516424897349	59.1012317254507	55.389993751644
516	86	63416	-31041.14133	848497.3170250766	39.20512672011599	-100.9098412	335175.3751671272	4314276.079350202	3062.127566459	2943.34515548397	2888.0517881963347	2887.8086792454855	55.2933672876423	55.5364762330105
517	86	63417	-30381.14133	848497.3170250766	39.205128759440174	-100.9066131	335374.620826597	4314272.07813269	3061.724771248879	2886.862873810815	2886.8300280778	2886.8300280778	55.932096770566	55.932096770566
518	86	63418	-29721.14133	848497.3170250766	39.20513084299484	-100.904285	335575.66171945195	4314268.07455335	3061.24233047384	2942.2134841329661	2885.3327599632035	2885.4204	56.8807416945624	56.79308401665136
519	86	63419	-29061.14133	848497.3170250766	39.20513285580003	-100.9019688	335776.7024578563	4314264.078	3079.860315011385	2941.654158231777	2884.423898932406	2883.532206954604	58.22766909711596	58.22766909711596
520	86	63420	-28401.14133	848497.3170250766	39.20513445571905	-100.899627	335977.4373036756	4314260.078	3077.533954842062	2941.095331685763	2886.90550428403	2881.084814	60.13397274017325	60.0149194266605
521	86	63421	-27741.14133	848497.3170250766	39.20513671841804	-100.8973684	336187.18418458	4314252.0796533063	3076.47833953584	2940.7873457531063	2886.90550428403	2886.90550428403	61.65762504304615	61.65762504304615
522	86	63422	-27081.14133	848497.3170250766	39.20513835311825	-100.8949724	336379.8237127813	4314252.0796533063	3077.89164327374	2940.05103307784	2886.90550428403	2886.90550428403	62.26624681321387	62.26624681321387
523	86	63423	-26421.14133	848497.3170250766	39.20514040225844	-100.8926443	336580.863	4314248.079350407	3062.127566459	2943.34515548397	2888.0517881963347	2887.8086792454855	55.2933672876423	55.

ix	iy	x	Yr	Lat	Long	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
605	63505	2798.8586730335	848497.3170250766	39.20513683684202	-100.7017374	353065.6286067404	4340920.731583929	2952.466467009872	2798.275243874329	2768.61968473874329	2768.61968473874329	2768.61968473874329	2768.61968473874329
606	63506	2635.8586730335	848497.3170250766	39.20513482707677	-100.694943	353266.6561748234	4340916.746945302	2952.791914723904	2635.347974795948	2765.25171420883714	2765.25171420883714	2765.25171420883714	2765.25171420883714
607	63507	2901.8586730335	848497.3170250766	39.20513297296582	-100.687018	353467.6831748234	4340912.746945302	2952.791914723904	2901.8586730335	2765.25171420883714	2765.25171420883714	2765.25171420883714	2765.25171420883714
608	63508	2967.8586730335	848497.3170250766	39.20513072637777	-100.684753	353668.7108480402	4340908.746945302	2952.791914723904	2828.431164464181	2764.56630330851945	2764.56630330851945	2764.56630330851945	2764.56630330851945
609	63509	3033.8586730335	848497.3170250766	39.20512889279645	-100.682429	353869.7803262228	4340904.746945302	2952.791914723904	2826.467338413177	2764.10680330201186	2764.10680330201186	2764.10680330201186	2764.10680330201186
610	63510	3099.8586730335	848497.3170250766	39.20512683820605	-100.6809067	354070.7650254228	4340900.810713882	2937.826502755474	2824.50326279064794	2763.856636498777	2763.856636498777	2763.856636498777	2763.856636498777
611	63511	3165.8586730335	848497.3170250766	39.20512470370818	-100.6877786	354271.7918636057	4340896.826542704	2931.5891175449984	2826.506814724275	2763.851394042373	2763.851394042373	2763.851394042373	2763.851394042373
612	63512	3231.8586730335	848497.3170250766	39.20512252412601	-100.685405	354472.818600459	4340892.826542704	2923.411871664364	2820.581169703489	2762.79881362405	2762.79881362405	2762.79881362405	2762.79881362405
613	63513	3297.8586730335	848497.3170250766	39.20512029957438	-100.6831123	354673.8492	4340888.85858535	2910.46257445313	2818.526572988407	2761.848197705569	2761.848197705569	2761.848197705569	2761.848197705569
614	63514	3363.8586730335	848497.3170250766	39.20511809	-100.6807482	354874.87161110896	4340884.87525427	2907.1773853907	2816.675149487253	2760.34633402037	2760.34633402037	2760.34633402037	2760.34633402037
615	63515	3429.8586730335	848497.3170250766	39.20511556276	-100.6784651	355075.897051177	4340880.828217758	2906.17045415454	2813.6546338824	2760.289223873396	2760.289223873396	2760.289223873396	2760.289223873396
616	63516	3495.8586730335	848497.3170250766	39.2051133610274	-100.676128	355276.9240582897	4340876.9103612155	2912.548994736425	2812.792997	2760.468250294423	2760.468250294423	2760.468250294423	2760.468250294423
617	63517	3561.8586730335	848497.3170250766	39.2051109613727	-100.6737998	355477.95007181086	4340872.9103612155	2918.921994538355	2810.829245054976	2760.786752158416735	2760.786752158416735	2760.786752158416735	2760.786752158416735
618	63518	3627.8586730335	848497.3170250766	39.20510850274385	-100.6714717	355678.9795441677	4340868.945182607	2925.95809500285	2808.941336181235	2760.3133236789417	2760.3133236789417	2760.3133236789417	2760.3133236789417
619	63519	3693.8586730335	848497.3170250766	39.2051060790602	-100.6691438	355880.017	4340864.962960521	2932.4954918413452	2807.0234422969877	2760.74429362643	2760.74429362643	2760.74429362643	2760.74429362643
620	63520	3759.8586730335	848497.3170250766	39.20510348568225	-100.6668154	356081.027714055	4340860.981	2938.508471585768	2805.12464398312	2760.26428163379	2760.26428163379	2760.26428163379	2760.26428163379
621	63521	3825.8586730335	848497.3170250766	39.205100882461014	-100.6644873	356282.0527	4340856.981970548	2948.528361230227	2803.226506597894	2760.731221640704	2760.731221640704	2760.731221640704	2760.731221640704
622	63522	3891.8586730335	848497.3170250766	39.2050982494364	-100.6621592	356483.070399726	4340853.016963041	2954.542507684667	2801.335859517525	2764.477847303604	2764.477847303604	2764.477847303604	2764.477847303604
623	63523	3957.8586730335	848497.3170250766	39.20509580073828	-100.659831	356684.102315841	4340849.035342462	2956.528694689507	2799.450481760252	2750.4929135435996	2750.4929135435996	2750.4929135435996	2750.4929135435996
624	63524	4023.8586730335	848497.3170250766	39.20509286	-100.6575029	356885.1282519717	4340845.0321946	2962.4790641367	2795.785744247603	2746.955107765038	2746.955107765038	2746.955107765038	2746.955107765038
625	63525	4089.8586730335	848497.3170250766	39.2050900737387	-100.6551748	357086.315149668	4340841.072968317	2968.4301357919	2795.729738266095	2743.8353858134	2743.8353858134	2743.8353858134	2743.8353858134
626	63526	4155.8586730335	848497.3170250766	39.2050872813596	-100.6528467	357287.1779052607	4340837.01592313	2973.462657445313	2793.88928896627	2741.063426595826	2741.063426595826	2741.063426595826	2741.063426595826
627	63527	4221.8586730335	848497.3170250766	39.20508449229682	-100.650518	357488.347644872	4340833.02904386	2983.42651886189614	2793.88928896627	2741.063426595826	2741.063426595826	2741.063426595826	2741.063426595826
628	63528	4287.8586730335	848497.3170250766	39.20508153496672	-100.6481904	357689.22701342324	4340829.1296777	2990.75082546527	2790.260094112236	2736.577684833904	2736.577684833904	2736.577684833904	2736.577684833904
629	63529	4353.8586730335	848497.3170250766	39.205078590904215	-100.6458623	357890.2513585839	4340825.149435648	2996.768528336673	2788.470678572294	2734.70114949408336	2734.70114949408336	2734.70114949408336	2734.70114949408336
630	63530	4419.8586730335	848497.3170250766	39.2050756187081	-100.6435341	358091.275660602	4340821.169070586	2998.238938180575	2786.69830260525	2732.81734315433	2732.81734315433	2732.81734315433	2732.81734315433
631	63531	4485.8586730335	848497.3170250766	39.2050726786962	-100.641206	358292.29736704264	4340817.18888545	2996.65584818053	2784.926518894247	2731.06241253663	2731.06241253663	2731.06241253663	2731.06241253663
632	63532	4551.8586730335	848497.3170250766	39.2050694889883	-100.6388779	358493.323668782	4340813.20887859	2996.2392537859	2783.30931386903	2730.14275468947	2730.14275468947	2730.14275468947	2730.14275468947
633	63533	4617.8586730335	848497.3170250766	39.2050663498763	-100.636528	358694.347644872	4340809.22904938	2998.32651886189614	2781.429348187896	2729.430914858794	2729.430914858794	2729.430914858794	2729.430914858794
634	63534	4683.8586730335	848497.3170250766	39.2050633914903	-100.6342216	358895.371123336	4340805.23495859	2998.407600214457	2780.1781052035	2728.46333495826	2728.46333495826	2728.46333495826	2728.46333495826
635	63535	4749.8586730335	848497.3170250766	39.2050599821706	-100.6318935	359096.394653538	4340801.2963502	2998.34774670335	2778.006246048239	2731.877598377884	2731.877598377884	2731.877598377884	2731.877598377884
636	63536	4815.8586730335	848497.3170250766	39.2050567232249	-100.6295654	359297.2180312941	4340797.29036082	2998.73457770175	2776.4278216688	2731.753094712124	2731.753094712124	2731.753094712124	2731.753094712124
637	63537	4881.8586730335	848497.3170250766	39.20505341950504	-100.6272373	359498.4412808103	4340793.31513609	2998.843994469057	2774.77093515171	2730.140258253313	2730.140258253313	2730.140258253313	2730.140258253313
638	63538	4947.8586730335	848497.3170250766	39.2050500718215	-100.6249091	359699.4634942932	4340789.33	2998.8222621467254	2773.143729702907	2728.798916239046	2728.798916239046	2728.798916239046	2728.798916239046
639	63539	5013.8586730335	848497.3170250766	39.2050468	-100.622581	359900.48731719457	4340785.35381564	2998.843994469057	2771.3429869670247	2727.34222657556	2727.34222657556	2727.34222657556	2727.34222657556
640	63540	5079.8586730335	848497.3170250766	39.20504382362963	-100.620259	360101.510213977	4340781.37320431	2998.843994469057	2769.9477770145	2726.829687801125	2726.829687801125	2726.829687801125	2726.829687801125
641	63541	5145.8586730335	848497.3170250766	39.2050405454183	-100.6178248	360302.53202679	4340777.386292316	2998.72453289334	2768.268783345898	2724.711609207384	2724.711609207384	2724.711609207384	2724.711609207384
642	63542	5211.8586730335	848497.3170250766	39.20503625877755	-100.6155966	360503.55549197027	4340773.41898124	2998.435908	2766.704303618597	2721.54892676681	2721.54892676681	2721.54892676681	2721.54892676681
643	63543	5277.8586730335	848497.3170250766	39.2050326224435	-100.6132885	360704.5779283458	4340769.4054884	2998.2551967044	2765.150353256702	2716.841188215851	2716.841188215851	2716.841188215851	2716.841188215851
644	63544	5343.8586730335	848497.3170250766	39.2050290336167	-100.6109404	360905.602	4340765.46210259	2998.34578952139	2763.537637952135	2711.73717267081	2711.73717267081	2711.73717267081	2711.73717267081
645	63545	5409.8586730335	848497.3170250766	39.2050257006693	-100.6086123	361106.622368897	4340761.44884104	2998.320437827643	2760.3852158548627	2710.308319040954	2710.308319040954	2710.308319040954	2710.308319040954
646	63546	5475.8586730335	848497.3170250766	39.20502216152837	-100.606294	361307.3042446116	4340757.50746893	2998.3107851295245	2760.187027427324	2708.927612910446	2708.927612910446	2708.927612910446	2708.927612910446
647	63547	5541.8586730335	848497.3170250766	39.2050190195784	-100.603971	361508.324644872	4340753.56984692	2998.29843994469057	2759.747839740673	2707.934831486492	2707.934831486492	2707.934831486492	2707.934831486492
648	63548	5607.8586730335	848497.3170250766	39.2050141095378	-100.6016271	361709.688023203	4340749.55297123	2998.250475108381	2756.763105746667	2707.81629058118	2707.81629058118	2707.81629058118	2707.81629058118
649	63549	5673.8586730335	848497.3170250766	39.205010666888	-100.5992998	361910.7097223435	4340745.57894049	2998.5490239602					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRiElevKgr.f	BRiElevBothKgr.f	SAiElevKgr.f	SAiElevBoth.f
731	86	63631	11088.85687307335	84849.3170250766	39.204542073703124	-100.4083497	738934.047859256	4340420.0679564085	2732.7932090328533	2639.3859939939034	2604.8264739875726	2606.2267019403453	34.55991992230765	33.15929186958126
732	86	63632	11116.85687307335	84849.3170250766	39.204543447633843	-100.4060667	738955.059986911	4340416.107570627	2731.6069543041876	2638.1400948634305	2602.0913456605713	2604.2689420784117	34.55947825692775	33.8715728013495
733	86	63633	11216.85687307335	84849.3170250766	39.20454677670536	-100.3978977	739002.1346522054	4340412.143818973	2732.40707675322	2636.8832369523284	2599.4574098235877	2603.0281187223574	34.5614293365846	34.0281187223574
734	86	63634	11238.85687307335	84849.3170250766	39.20451921120396	-100.401405	738997.1081277339	4340418.10741438	2728.2344610466567	2635.015339809110	2597.4470883789973	2600.197232168254	38.1673514011192	35.4810710480536
735	86	63635	113408.85687307335	84849.3170250766	39.204511550434194	-100.3990824	739198.0921182908	4340404.220204011	2734.334371742776	2594.420511573757	2596.3962522009033	2601.389658059437	37.93814294	
736	86	63636	114158.85687307335	84849.3170250766	39.20450374466914	-100.3967543	739399.102893207	4340400.25843867	2725.02114296271	2633.041177958024	2592.574560845683	2594.6845858678143	40.46667111240403	38.5659209202069
737	86	63637	114818.85687307335	84849.3170250766	39.2044993438979	-100.3944262	739600.1135525704	4340396.2971204575	2722.670487828263	2631.735859	2588.774248006624	2590.723816534545	42.9616117690605	41.0232438398484
738	86	63638	115478.85687307335	84849.3170250766	39.20448808315174	-100.3920891	739801.1249051418	4340392.335934312	2720.179417662483	2630.4185330236844	2583.410121046043	2588.079614401553	47.0084171564136	42.0129467635209
739	86	63639	116136.85687307335	84849.3170250766	39.2044806777225	-100.38977	740002.1346522054	4340388.748265236	2725.22132811871	2629.0883239915284	2580.420681986653	2585.22426982952	45.8584502586785	45.8584502586785
740	86	63640	116798.85687307335	84849.3170250766	39.20447272206106	-100.3874419	740203.1446361712	4340384.610932241	2727.58851635478	2627.743604088925	2583.94355339012	2586.22013	45.8584502586785	45.8584502586785
1	87	63641	-370941.1413	84815.3170250766	39.19886789982423	-102.1078779	382023.5558197935	43303.7561281113	3642.9230321263135	3773.878722688646	3727.822403	380400393476738	70.0900219880367	
2	87	63642	-370281.1413	84815.3170250766	39.19991204927314	-102.1055501	231816.6566	4343557.52538701	3754.0327999579407	3841.4634810880867	3769.9448223973044	3769.466564879564	71.51862571	71.9968832282275
3	87	63643	-369621.1413	84815.3170250766	39.19993725340467	-102.1032224	20171.5487077	4343553.41552523	4029.370515649202	3768.4430865218715	3767.3345826258796	375.5631074349259	72.6180537542141	
4	87	63644	-368961.1413	84815.3170250766	39.19996241437883	-102.1008947	22218.95141890575	4343549.347066933	4024.202172478955	3838.521718	3766.801536569177	3765.706464709512	71.72018122002282	73.4725370768817
5	87	63645	-368301.1413	84815.3170250766	39.19989752949556	-102.098669	23240.1074	4343544.233933044	4189.02932398884	3837.039304412305	3763.0755606682606	3773.10623467229495	73.9364720919582	
6	87	63646	-367641.1413	84815.3170250766	39.20001259954805	-102.0962392	23262.12571495884	4343411.451157782	4013.85468138812	3835.540919	3762.600060807315	3760.83130191945	72.94895789013844	74.1787055029207
7	87	63647	-366981.1413	84815.3170250766	39.2000372458551	-102.0939114	23282.06467148867	434337.08067148867	4010.351176225408	3834.0507314220004	3760.971804708349	3759.019553964386	73.0786272085154	75.3011774684194
8	87	63648	-366321.1413	84815.3170250766	39.20006265100634	-102.0915837	233023.5558197935	434332.9586191252	4010.5134	3832.544713437322	3758.145682343537	3756.5716928873064	74.9896350018824	75.97262450461832
9	87	63649	-365661.1413	84815.3170250766	39.20008754038712	-102.0892559	233224.70475722977	4343328.872407426	4006.675622911933	3831.02965234513	3755.3530733170037	3754.4727472768959	75.67662150351134	76.5919124655383
10	87	63650	-365001.1413	84815.3170250766	39.20011243071597	-102.0869282	233425.853429616	4343324.77956634	4004.8374662415514	3829.50662415514	3752.975073411767	3752.166790724444	77.33915037394722	77.33915037394722
11	87	63651	-364341.1413	84815.3170250766	39.2001327606706	-102.0846004	233627.010813842	4343320.68488203	4003.974697476408	3750.638941863048	3749.948285052722	3749.331132800737	78.0206897869805	
12	87	63652	-363681.1413	84815.3170250766	39.200167050042	-102.0822727	233828.14956213173	4343316.596350395	4001.318182048188	3826.43342505277	3748.43342466876	3747.682101531965	78.0030075	78.7515417877057
13	87	63653	-363021.1413	84815.3170250766	39.2001991856946	-102.0799474	234029.29185694	4343312.93032134	3999.471074584111	3824.835931388277	3746.837819419472	3745.8374459	78.7651312319258	
14	87	63654	-362361.1413	84815.3170250766	39.2002115424631	-102.0776171	234240.4547795143	4343508.411493239	3997.85040409769	3823.32359079257	3742.801438941896	3743.041613565803	80.01521723740034	
15	87	63655	-361701.1413	84815.3170250766	39.2002362709333	-102.0752894	234441.592302405	4343504.319842798	3996.3117934825136	3821.750386279033	3740.630124219757	3740.248637231357	81.82221836930209	80.80419734203941
16	87	63656	-361041.1413	84815.3170250766	39.20026028575146	-102.0729616	234632.7391905793	4343500.228394314	3994.968273418165	3820.17600821432	3738.760064549492	3737.38483012107536	81.41153373	81.41153373
17	87	63657	-360381.1413	84815.3170250766	39.20028540198944	-102.0706339	234833.886744606	4343500.173124273	3993.6247472187123	3818.592135750853	3737.121497	3737.380203204291	81.4577167175328	81.2739052759426
18	87	63658	-359721.1413	84815.3170250766	39.20030993486705	-102.0683601	235035.0330790044	4343492.046037171	3992.281240776463	3816.9754341326116	3735.955054711884	3736.178239640040	81.0099242072753	80.7917494668015
19	87	63659	-359061.1413	84815.3170250766	39.20033440257234	-102.065978	235236.779606744	4343485.351329985	3990.4717750777777	3815.8571750777777	3735.263827	3735.263827	80.734790397408	
20	87	63660	-358401.1413	84815.3170250766	39.2003694117542187	-102.0635604	235483.9644117542187	4343483.0644117542187	3988.194296781478	3813.72748469344	3734.2084370587777	3734.2084370587777	80.7917494668015	
21	87	63661	-357741.1413	84815.3170250766	39.200383326	-102.0613228	235638.4714182332	4343479.73873428	3985.91752935407	3812.07265832934	3732.93643737175	3733.02988044063	81.3882495975687	80.7917494668015
22	87	63662	-357081.1413	84815.3170250766	39.2004076794626	-102.058995	235839.61860324	4343475.883051908	3983.640774106054	3810.421416158564	3732.93646968876	3732.2322670726803	81.78821894917881	80.7917494668015
23	87	63663	-356421.1413	84815.3170250766	39.20043673821106	-102.0566672	236040.76218077663	4343471.593345055	3980.76670296047	3808.735799510555	3730.718323	3731.0285350237457	80.7917494668015	
24	87	63664	-355761.1413	84815.3170250766	39.20046117437575	-102.0543395	236241.907169195	4343467.50335887	3976.96370429296	3806.95048515574	3729.481565311696	3729.81218648458	77.55205120266943	77.2380210690943
25	87	63665	-355101.1413	84815.3170250766	39.20048393	-102.0520117	236443.051895959	4343453.4354918	3973.32571254575	3805.36756206505	3728.382717	3728.454518417861	77.952355147031	76.9034391884453
26	87	63666	-354441.1413	84815.3170250766	39.2005146936674	-102.049639	236644.2961931367	4343452.209138277	3968.95098173855	3726.8337459277	3726.8337459277	3726.8337459277	77.952355147031	
27	87	63667	-353781.1413	84815.3170250766	39.20052868773965	-102.0473561	236845.306553355	4343454.233933044	3967.0034034272	3801.96374083868	3725.4564574747	3725.125627400841	78.0030075	78.0030075
28	87	63668	-353121.1413	84815.3170250766	39.2005527681398	-102.0450284	237046.458058646	4343451.145262933	3963.81917178315	3800.2419365329347	3723.285601474896	3723.273369483063	78.0030075	78.0030075
29	87	63669	-352461.1413	84815.3170250766	39.200576804355	-102.0427006	237247.6281910295	4343453.683052106	3961.1521302031903	3798.5237546516396	3722.751426734946	3722.751426734946	77.55205120266943	77.55205120266943
30	87	63670	-351801.1413	84815.3170250766	39.20060079610916	-102.0403728	237448.77167172767	4343442.967258718	3958.485093284945	3796.79368191194	3718.36400385163	3718.36400385163	77.55205120266943	77.55205120266943
31	87	63671	-351141.1413	84815.3170250766	39.20062473227975	-102.038045	237649.91487417497	4343438.678547187	3956.886141682206	3795.068975975796	3717.9302810812673	3719.0281810181267	77.39940438381794	77.39940438381794
32	87	63672	-350481.1413	84815.3170250766	39.20064864351964	-102.0357172	237851.0577527676	4343436.790020514	3958.30228512036	3793.332242406136	3717.248348503796	3717.248348503796	77.39940438381794	77.39940438381794
33	87	63673	-349821.1413	84815.3170250766	39.20067249696672	-102.033478	238064.204145446	4343434.204145446	3956.79368191194	3791.93221232505	3716.93221232505	3716.93221232505	77.39940438381794	77.39940438381794
34	87	63674	-349161.1413	84815.3170250766	39.2006963111943	-102.031016	238253.3427978532	4343436.61357105	3957.17085217196	3789.94911947886	3716.571730250737	3716.571730250737	77.39940438381794	77.39940438381794
35	87	63675	-348501.1413	84815.3170250766	39.20072007756831	-102.0287338	238454.48491967798	4343432.525537359	3953.9857656305633	3788.105841745279	3715.304818035374	3715.304818035374	77.39940438381794	77.39940438381794
36	87	63676	-347841.1413	84815.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRfElevKgs.f	BRfElevKgs.f	LatHdgKgs.f	SatHdgKgs.f
117	63757	-294381.1413		849157.3170250766	39.20251592109152	-101.8378601	254947.2753294339	4343067.9328378349	3772.4214955181046	3627.139300428984	3549.0885194822454	3505.501480931222	78.05708049473854	121.6378190776194
118	63758	-293721.1413		849157.3170250766	39.20253595573257	-101.8355222	255148.3996	4343063.366010336	3772.515089175395	3625.21338554204	3547.4451518324416	3520.2062918136044	77.171802078962	100.0070956405983
119	63759	-293061.1413		849157.3170250766	39.20254659241131	-101.8331462	255349.78136743	4343079.787354238	3772.60866711588	3623.448357233364	3546.9486971869967	3538.4148424071684	76.4923594736734	85.0334352519459
120	63760	-292401.1413		849157.3170250766	39.20255788012772	-101.830663	255550.6384938358	4343075.714002733	3772.68259363772	3621.823785383083	3548.672542365774	3557.38019272932	73.150736300367	64.44225938
121	63761	-291741.1413		849157.3170250766	39.20259579886175	-101.8285384	255751.7590458367	4343061.642262253	3771.701720563269	3620.3141177265457	3551.869844701289	3561.67432577508	68.4444273025585	43.89778997143685
122	63762	-291081.1413		849157.3170250766	39.202615644673386	-101.8262105	255959.87307011247	4343057.51	3769.171448669606	3618.890842611034	3556.34809640576	3592.56713535391	66.23074492564305	26.33074492564305
123	63763	-290421.1413		849157.3170250766	39.20263545450255	-101.8238826	256153.99945286516	4343063.49808708	3765.722623902258	3617.556364311487	3561.877472483214	3596.018212550047	65.6788918282457	21.538151761440076
124	63764	-289761.1413		849157.3170250766	39.20265521936523	-101.8215457	256351.1192943006	4343059.486487218	3759.914032045524	3616.274561212634	3567.880672091638	3590.7432830625254	64.39387320625254	25.531128027643717
125	63765	-289101.1413		849157.3170250766	39.20267465927339	-101.8192268	256556.2388946298	4343055.32263838	3754.110176140898	3615.941977632515	3572.9853938380399	3585.515661968937	62.946712548167	25.528315668321363
126	63766	-288441.1413		849157.3170250766	39.20269461	-101.8168689	256771.35820540233	4343051.283953233	3748.303551577233	3613.8507865	3569.91231483777	3582.5136284877	61.438451400332	31.33713575110903
127	63767	-287781.1413		849157.3170250766	39.20271424419399	-101.8145708	256958.4737777072	4343047.21766087	3744.14965174526	3612.69511835187	3564.009383618244	3579.923032699057	60.8857347303326	32.77181508195055
128	63768	-287121.1413		849157.3170250766	39.202733829210395	-101.812243	257159.5962509652	4343043.14761105	3741.6471444113044	3611.5706858231553	3557.5985584594576	3576.43486679839	53.9748293269764	35.132198702316145
129	63769	-286461.1413		849157.3170250766	39.20275336926407	-101.8099151	257360.174888933	4343039.07938299	3738.147410321429217	3610.4743021429217	3551.454670163247	3570.993179764514	39.48031684590005	49.48369356941794
130	63770	-285801.1413		849157.3170250766	39.20277623435505	-101.8078792	257561.8328678238	4343035.00297675	3736.642261804596	3609.40345688771	3546.872138750296	3563.750222893072	35.63106093347303	45.64872378440076
131	63771	-285141.1413		849157.3170250766	39.20279231446529	-101.8052592	257762.961444751	4343030.93	3735.46859217829	3608.3583173534803	3543.5239313093407	3558.70406046337	64.8349604413599	49.65405288846616
132	63772	-284481.1413		849157.3170250766	39.20281119446764	-101.802813	257964.0693034676	4343026.86	3729.53134348699	3607.33632490098	3541.72532501698	3554.71190605773	66.0491071140013	52.56461758230664
133	63773	-283821.1413		849157.3170250766	39.20283107985139	-101.8006304	258165.1870418728	4343022.798469728	3725.6283314761495	3605.3327789774457	3540.15303302669	3552.055819442265	66.1842054277686	54.2814593319925
134	63774	-283161.1413		849157.3170250766	39.20285103509117	-101.7982755	258364.30044143315	4343018.71956605	3721.73235	3605.357634060142	3539.84965854339	3551.279450231492	65.8040046620914	54.07821317455637
135	63775	-282501.1413		849157.3170250766	39.2028696536805	-101.7959475	258567.421681933	4343014.648295929	3717.85489720297	3604.396189082904	3540.565102280047	3551.700478315875	63.8310868	52.695715267047035
136	63776	-281841.1413		849157.3170250766	39.2028888068202	-101.7936196	258768.53864358008	4343010.82962748	3711.451518470303	3603.451597090246	3541.2381414005035	3553.96730352108	62.21345689222284	49.48369356941794
137	63777	-281181.1413		849157.3170250766	39.20290871032994	-101.7912917	258969.6556673663	4343005.510913646	3715.23861396588	3602.526072342602	3542.02067568589	3557.138385	60.0130636480411	45.3837192530175
138	63778	-280521.1413		849157.3170250766	39.20292572064298	-101.788937	259170.771851129	4343002.441730202	3713.475710363664	3601.907850436386	3542.7395531724	3563.991738116702	68.635450465958	37.7161531968165
139	63779	-279861.1413		849157.3170250766	39.20294268954581	-101.786613	259378.962544757	4342998.4736887473	3711.62227692028	3600.84448878381	3544.30341304265	3549.5653730162	64.5410744375575	34.2788559
140	63780	-279201.1413		849157.3170250766	39.20295934230187	-101.7843079	259573.00410572032	4342993.30309613	3700.8230759662	3599.8135570568	3545.742174430314	3571.563307929428	64.0167303751876	28.25046671575878
141	63781	-278541.1413		849157.3170250766	39.20298343280657	-101.7819799	259774.1198617012	4342990.235	3693.0218253179523	3598.828818	3547.4586571693703	3573.650429169364	51.47071604196346	25.27839168920535
142	63782	-277881.1413		849157.3170250766	39.20300329834211	-101.779652	259975.2340899475	4342986.166817419	3685.228024113973	3598.407301439516	3550.243435	3569.540229035682	47.80359620446597	28.50680243530855
143	63783	-277221.1413		849157.3170250766	39.20302220891461	-101.7773241	260176.35070440028	4342982.08854455	3678.238024113973	3597.162780188544	3553.1895474271455	3565.80489379818	31.35702405917087	31.35702405917087
144	63784	-276561.1413		849157.3170250766	39.203041074523846	-101.7749861	260377.4652759323	4342978.03043571	3672.067460171928	3595.899598316513	3555.481429427119	3562.7348461198427	40.74856640433214	33.492511211800505
145	63785	-275901.1413		849157.3170250766	39.20305965916881	-101.772687	260578.962544757	4342974.968837776	3668.896254298654	3595.368197358102	3554.8949477297318	3560.33273502897	35.0040339696233	32.76187973696233
146	63786	-275241.1413		849157.3170250766	39.203077805783484	-101.7703402	260779.695168154	4342974.968837776	3668.896254298654	3595.368197358102	3554.8949477297318	3560.33273502897	35.0040339696233	32.76187973696233
147	63787	-274581.1413		849157.3170250766	39.20309704517183	-101.7680123	260980.8061593813	4342965.82723731	3660.136214740463	3593.151678471483	3558.395205497158	3555.739433023222	39.16962349595675	37.41223904020928
148	63788	-273921.1413		849157.3170250766	39.20311608732783	-101.7658844	261181.9326273248	4342961.75910676	3667.126543780676	3592.418993955813	3552.490943756934	3554.089696222717	34.1916601960231	37.41223904020928
149	63789	-273261.1413		849157.3170250766	39.20313472812045	-101.7635564	261383.075025327	4342957.69273008	3664.1168724352297	3589.709363758777	3551.143875648564	3548.927604399127	35.894976193912316	37.1690808177419
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152	63792	-271281.1413		849157.3170250766	39.203190370714064	-101.7563726	261986.37615313586	4342948.109220473	3682.54448878381	3584.30341304265	3549.5653730162	3549.5653730162	35.0040339696233	32.76187973696233
153	63793	-270621.1413		849157.3170250766	39.203208441656156	-101.7540446	262189.405645343	4342941.45597776	3680.84589779434	3583.431648649321	3548.731648649321	3549.5653730162	35.0040339696233	32.76187973696233
154	63794	-269961.1413		849157.3170250766	39.20322725763124	-101.7517167	262388.0342369606	4342937.395554788	3678.618171026585	3578.05111696817	3548.942506205887	3548.927604399127	35.894976193912316	37.1690808177419
155	63795	-269301.1413		849157.3170250766	39.2032456286475	-101.7493887	262589.715805239	4342933.294369033	3672.938622229628	3575.644462688524	3550.013899756273	3549.63976662167	35.8189892291735	35.8189892291735
156	63796	-268641.1413		849157.3170250766	39.20326354690584	-101.7470608	262790.8280369236	4342929.28	3663.715205012305	3573.327265209043	3551.346259459035	3549.63976662167	35.8189892291735	35.8189892291735
157	63797	-267981.1413		849157.3170250766	39.20328223574777	-101.7447328	262991.840209326	4342925.161838005	3654.501727726554	3570.823152357047	3553.25645105006	3553.25645105006	35.0040339696233	32.76187973696233
158	63798	-267321.1413		849157.3170250766	39.20330047189524	-101.7424409	263193.0517466822	4342921.09625479	3645.288374040806	3568.430714825074	3555.983518509133	3556.185474482157	34.174196424104277	12.2450443380185
159	63799	-266661.1413		849157.3170250766	39.203318305718064	-101.7401678	263394.16302513586	4342916.93717038	3644.18771750524	3567.391894710216	3554.8949477297318	3560.33273502897	35.0040339696233	32.76187973696233
160	63800	-266001.1413		849157.3170250766	39.20333680925392	-101.7377489	263595.279486822	4342916.93717038	3644.18771750524	3567.391894710216	3554.8949477297318	3560.33273502897	35.0040339696233	32.76187973696233
161	63801	-265341.1413		849157.3170250766	39.20335491048302	-101.735421	263796.3857568131	4342908.90075786	3616.26224031077	3561.253837632659	3561.852921			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThkLog.s	SatThkBoth.ft
243	67	63883	-211221.1413	849157.3170250766	39.204686196330044	-101.5445246	280286.716685988	43425.76.189552661	3548.035239824743	3384.637951633565	3415.430954436806	3246.665091349055	0	
244	67	63884	-210561.1413	849157.3170250766	39.2047005545162	-101.5421966	280467.805952399	43426.72.139633479	3545.253491469303	3342.543351925087	3412.95503587673	3422.987360374175	0	
245	67	63885	-209841.1413	849157.3170250766	39.2047168961381	-101.5389666	280688.9613138425	43426.80.08996382	3542.471743113663	3380.4534249887382	3410.4819149248763	3419.3241381966695	0	
246	67	63886	-209041.1413	849157.3170250766	39.20472916880263	-101.5375105	280889.992533389	43426.80.03403317	3539.689994756243	3378.337366235143	3406.7816769658816	3415.664017010027	0	
247	67	63887	-208681.1413	849157.3170250766	39.2047433002482	-101.5352125	281091.084677638	43425.99.990061978	3537.7625453717665	3376.225578344678	3404.726855909885	3412.147070732657	0	
248	67	63888	-207921.1413	849157.3170250766	39.20475792280735	-101.5328844	281292.1764841896	43425.99.441768147	3536.6893949538908	3374.1062151687743	3402.2072020640485	3408.4613766960485	0	
249	67	63889	-207261.1413	849157.3170250766	39.20477173657005	-101.5305564	281493.2677955584	43425.91.892755636	3535.61624453616	3371.978601	3400.261304547155	3404.7622231406576	0	
250	67	63890	-206601.1413	849157.3170250766	39.2047853589296	-101.5282283	281864.3588524445	43425.47.843924437	3534.5430941181417	3369.842398860228	3397.716914655899	3401.05406484924606	0	
251	67	63891	-205941.1413	849157.3170250766	39.2047996024912	-101.5259803	281896.497125259	43425.43.765274446	3537.8697496969384	3395.1603827765614	3397.0596352765614	3397.0596352765614	0	
252	67	63892	-205281.1413	849157.3170250766	39.2048138963879	-101.5235722	282096.540391895	43425.39.748050498	3535.987474841744	3385.5432661843292	3392.618804409528	3393.481108598122	0	
253	67	63893	-204621.1413	849157.3170250766	39.2048278406185	-101.5212441	282395.6370902597	43425.35.689518541	3537.065281301043	3363.3085006026344	3390.0530940545576	3390.12551772885	0	
254	67	63894	-203961.1413	849157.3170250766	39.20484173318131	-101.5189161	282498.721006685	43425.31.650412619	3534.625374184865	3361.212930838257	3385.316901007411	3386.32740601007411	0	
255	67	63895	-203301.1413	849157.3170250766	39.20485566	-101.516588	282699.8110081694	43425.26.062487871	3532.5036406837599	3359.041540438665	3382.528426557399	3384.207482152964	0	
256	67	63896	-202641.1413	849157.3170250766	39.20486948753121	-101.51426	282900.9007963191	43425.23.554744392	3520.9313459259884	3356.861650025992	3379.3704506526125	3380.4684662337	0	
257	67	63897	-201981.1413	849157.3170250766	39.20488327087608	-101.5119319	283101.9903697914	43425.19.18071822	3518.395951168271	3354.6882247144708	3375.35628545481	3378.9039078802777	0	
258	67	63898	-201321.1413	849157.3170250766	39.20489701767254	-101.5091309	283303.0797297808	43425.15.459801204	3517.78656410446	3352.488521336655	3374.73530945828	3377.18521885948	0	
259	67	63899	-200661.1413	849157.3170250766	39.20491070630016	-101.5072758	283504.1688759535	43425.11.412801483	3517.192028586515	3350.284357625197	3371.6337096138763	3374.3814454077396	0	
260	67	63900	-200001.1413	849157.3170250766	39.20492435556528	-101.5049478	283705.257808964	43425.07.366	3517.574871812633	3348.06962838276	3368.396131999306	3372.25823547404	0	
261	67	63901	-199341.1413	849157.3170250766	39.20493760644594	-101.5026197	283906.3465282047	43425.03.31874578	3517.957713167017	3345.8446624257415	3365.74897853567	3368.948074479934	0	
262	67	63902	-198681.1413	849157.3170250766	39.20495152036805	-101.5002916	284107.934346699	43425.00.720897117	3518.3405548211995	3343.6110964117385	3362.11969652634	3365.076710671023	0	
263	67	63903	-198021.1413	849157.3170250766	39.204967963123664	-101.4979638	284308.5238327323	43425.05.22614094	3518.33534657226	3341.3675796971103	3358.632382896153	3361.066633002184	0	
264	67	63904	-197361.1413	849157.3170250766	39.204957850491238	-101.4956355	284508.6114094337	43424.91.79321299	3517.9367176192139	3339.11392480433	3356.1301408123	3356.349518910139	0	
265	67	63905	-196701.1413	849157.3170250766	39.20497862973416	-101.4932803	284710.6897286724	43424.85.453237609	3517.80824784575894	3337.91718258904	3354.8423720115543	3352.342427115543	0	
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268	67	63908	-194721.1413	849157.3170250766	39.2050193439775	-101.4863232	285313.9616115547	43424.74.95588161	3519.3039193747836	3330.0283302316407	3342.8730136333197	3343.46462434276	0	
269	67	63909	-194061.1413	849157.3170250766	39.20504517935177	-101.4839592	285515.0883272747	43424.70.9505711375	3520.876793811474	3327.7450350576517	3339.720352134066	3339.88045603406	0	
270	67	63910	-193401.1413	849157.3170250766	39.20505838	-101.4816761	285716.1344241912	43424.66.90364622	3522.4496624802323	3325.48585995209	3327.6207495735734	3334.962713938087	0	
271	67	63911	-192741.1413	849157.3170250766	39.2050715345839	-101.479339	285917.2224034329	43424.62.868339265	3523.5581694091396	3324.168428910396	3334.849120564552	3332.342427115543	0	
272	67	63912	-192081.1413	849157.3170250766	39.20509444411109	-101.4769143	286118.308427173	43424.55.4195057	3524.0832478307852	3323.1035405670752	3332.1035405670752	3328.7184785133	0	
273	67	63913	-191421.1413	849157.3170250766	39.20509770949667	-101.4746829	286319.346052349	43424.55.771	3524.837406135364	3318.583813841401	3329.475938583763	3325.704894262444	0	
274	67	63914	-190761.1413	849157.3170250766	39.205110729615136	-101.4723548	286520.8460714537	43424.51.762350058	3525.47926402976	3316.29298766373224	3324.574748068544	0		
275	67	63915	-190101.1413	849157.3170250766	39.2051237	-101.4700268	286721.5663273049	43424.46.682049249	3523.8732937113996	3314.005679960143	3324.3983387465737	3319.9098054053534	0	
276	67	63916	-189441.1413	849157.3170250766	39.20513663495049	-101.4678987	286922.65187300293	43424.42.638	3520.0235060063344	3311.72366127389	3321.969602294912	3319.56647606709	0	
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279	67	63919	-187461.1413	849157.3170250766	39.2051765556941	-101.4607145	287525.907512289	43423.30.90667127	3516.80777576466	3313.911757113133	3314.6815761815276	0		
280	67	63920	-186801.1413	849157.3170250766	39.205187690014515	-101.4583864	287726.963593654	43423.26.463261839	3505.7057410545963	3302.635880006816	3310.626557146714	3315.755243967305	0	
281	67	63921	-186141.1413	849157.3170250766	39.205200611322924	-101.4560583	287928.074563732	43422.42.00407628	3502.6642635347	3300.46811222798	3306.889677432314	3313.7653602809	0	
282	67	63922	-185481.1413	849157.3170250766	39.20521327174276	-101.4537302	288129.1607455577	43421.8.377014934	3499.5703507011976	3329.26644730756	3302.9067613512166	3312.448395	0	
283	67	63923	-184821.1413	849157.3170250766	39.20522588715585	-101.4514021	288320.9482628085	43421.34.3164222	3498.843644913004	3306.005769732279	3298.8457924771333	3311.66538484262	0	
284	67	63924	-184161.1413	849157.3170250766	39.2052384576155	-101.4490741	288531.3286977615	43421.0.491408	3491.483004236554	3302.877996511515	3294.772024854475	3309.0925662863	0	
285	67	63925	-183501.1413	849157.3170250766	39.2052519163889	-101.4469215	288745.49801448	43420.95.49801448	3487.127431089673	3299.1678119369138	3297.427201273964	3305.080750056192	0	
286	67	63926	-182841.1413	849157.3170250766	39.2052635439076	-101.4444179	288933.4958166537	43420.92.20692352	3482.78342883655	3299.58382837768	3298.496447454546	3306.81383440721237	0	
287	67	63927	-182181.1413	849157.3170250766	39.2052759	-101.4420898	289134.5790641941	43420.98.16465505	3487.525985	3287.46632085851	3282.7572174836396	3304.59482	0	
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289	67	63929	-180861.1413	849157.3170250766	39.20530363524272	-101.4374337	289536.740536515	43420.90.8480952	3465.2941056792135	3283.3914431301237	3275.770505848586	3299.5973996336	0	
290	67	63930	-180201.1413	849157.3170250766	39.20531239395652	-101.4351056	289737.82766142994	43420.86.03926131	3458.178624917	3281.4212393502	3272.302758990912	3295.246649203614	0	
291	67	63931	-179541.1413	849157.3170250766	39.20532518163889	-101.4327775	289838.9107842444	43420.81.987816137	3452.02168642787	3279.474726827382	3268.436885104574	3278.907697	0	
292	67	63932	-178881.1413	849157.3170250766	39.205330234473	-101.4304394	289931.9922054492	43420.76.5963502	3447.2158607727	3277.581569481474	3264.541252502806	3275.61671671913	0	

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.f	BRIEVEBothKrg.f	SurfBoth.f		
369	87	64009	-128061.1413	849157.3170250766	39.20614258738842	-101.2511847	305622.7176072205	4342067.325	330.6558092270297	329.889919861052	313.0017907337495	312.8302929090771	78.8820126355688	77.08080897820986
370	87	64010	-127401.1413	849157.3170250766	39.20615129055942	-101.2488565	305823.78431344545	4342063.296284698	329.891321726541	329.726984295879	311.738083059077	311.7380830590547	78.35024870182451	77.35024870182451
371	87	64011	-126741.1413	849157.3170250766	39.20615984978135	-101.2465284	306024.850936985	4342059.213386141	329.81369747433	329.6403544541385	312.64924844473	312.64924844473	78.1930030524606	77.1930030524606
372	87	64012	-126081.1413	849157.3170250766	39.20616585199405	-101.2442003	306225.2154019338	4342051.654687605	329.7119621030740	329.5121601379123	312.9186509775828	312.9186509775828	78.03570006	77.03570006
373	87	64013	-125421.1413	849157.3170250766	39.206171327637636	-101.2418271	306426.98328880745	4342051.217981358	330.2357353119807	329.454578197643	312.746990834826	312.746990834826	78.1075872681687	77.1075872681687
374	87	64014	-124761.1413	849157.3170250766	39.2061856535624	-101.239544	306628.04933345725	4342049.175127317	330.4961260242544	329.4276711384323	312.617160939069	312.617160939069	78.2560612	77.2560612
375	87	64015	-124011.1413	849157.3170250766	39.20619413188141	-101.2372158	306829.1150882397	4342043.16534637	330.0408878162488	329.42371878104	312.48713809706564	312.48713809706564	78.4519900744733	77.4519900744733
376	87	64016	-123411.1413	849157.3170250766	39.20620256527405	-101.2348877	30701.1806534565	4342039.13299311	330.8960880482	329.409707009254	312.372899738744	312.372899738744	78.68007847051013	77.68007847051013
377	87	64017	-122811.1413	849157.3170250766	39.20621098582414	-101.2325556	30721.24602916358	4342035.11343324	330.81760747433	329.394033569331	312.246362896472	312.246362896472	78.84540474390317	77.84540474390317
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380	87	64020	-120981.1413	849157.3170250766	39.2062358498684	-101.2255751	30783.4410215813	4342023.036971344	329.60890880821	329.361023093772	311.9738540429495	311.9738540429495	78.7934985022699	77.7934985022699
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383	87	64023	-118821.1413	849157.3170250766	39.20626035958992	-101.2185907	308437.63431623986	4342010.9620341625	329.391584222119	329.2512504928118	311.846704885778	311.846704885778	78.2097691520824	77.2097691520824
384	87	64024	-118161.1413	849157.3170250766	39.20626841319162	-101.2162525	308638.6983714669	4342007.93420356	329.145418153173	311.88175725	311.8520455178462	311.8520455178462	78.6732011985815	77.6732011985815
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388	87	64028	-115521.1413	849157.3170250766	39.2063020357904815	-101.20695	309435.0571622576	4341990.480708764	328.3195478128118	311.76109540817567	311.619712286004	311.619712286004	78.6302873022413	77.6302873022413
389	87	64029	-114861.1413	849157.3170250766	39.2063106559604	-101.2046218	309644.015834009	4341986.817053391	329.14474713665227	311.734769278104	311.6348967584355	311.6348967584355	78.6798752	77.6798752
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391	87	64031	-113541.1413	849157.3170250766	39.20632795926514	-101.1999896	310054.839734449	4341974.010988	329.148497141386	329.3679072957773	311.6431738102522	311.6431738102522	78.628317523043	77.628317523043
392	87	64032	-112881.1413	849157.3170250766	39.206331383107425	-101.1976374	310247.204089554	4341974.747	329.40255876782	311.6143833161917	311.61130035716633	311.61130035716633	78.62682974515543	77.62682974515543
393	87	64033	-112221.1413	849157.3170250766	39.20633951984415	-101.1953092	310444.26644118386	4341970.74209734	329.844821333151	311.49884005548	309.3684203453245	310.2188028416159	78.621998046238916	77.621998046238916
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403	87	64043	-105621.1413	849157.3170250766	39.20641327	-101.1720777	312458.979684221	4341930.504	329.650927469395	311.333632482874	308.365152442046	308.365152442046	78.516027122588275	77.516027122588275
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405	87	64045	-104301.1413	849157.3170250766	39.2064275708845	-101.1673714	312861.000461689	4341926.43273963	329.32478887229	311.27310268990376	308.026498016502	308.026498016502	78.51365146162675	77.51365146162675
406	87	64046	-103641.1413	849157.3170250766	39.206436455157246	-101.1650432	313062.060431744	4341918.441733382	329.296480716545	311.26577507	307.7415202775273	307.7415202775273	78.5129827397917	77.5129827397917
407	87	64047	-102981.1413	849157.3170250766	39.20644169	-101.1627151	313263.1021278403	4341914.421	329.7543286	311.23502031105073	307.5841181155296	307.5841181155296	78.510733949776	77.510733949776
408	87	64048	-102321.1413	849157.3170250766	39.20644868793444	-101.1603869	313464.179821909	4341910.401	329.770095510277	311.20444303444825	307.583133369831	307.583133369831	78.5106119667499916	77.5106119667499916
409	87	64049	-101681.1413	849157.3170250766	39.2064556381702	-101.1580587	313696.23902437234	4341906.38099545	329.7196052826356	311.1785337259011	307.7326345182927	307.7326345182927	78.5105686709381	77.5105686709381
410	87	64050	-101001.1413	849157.3170250766	39.2064625425088	-101.1557306	313968.2984815375	4341902.36094764	329.82873150643438	311.15028259526023	307.621317323679	307.621317323679	78.51046324881606	77.51046324881606
411	87	64051	-100341.1413	849157.3170250766	39.20646991879503	-101.1534333	314267.940327474	4341898.4192465	329.81569821134	311.1238305191974	307.619324285274	307.619324285274	78.510324285274	77.510324285274
412	87	64052	-99681.1413	849157.3170250766	39.2064762164598	-101.1510743	314594.2167442	4341894.3167442	329.824772374864	311.103226441314	307.605911954485	307.605911954485	78.51027035849315	77.51027035849315
413	87	64053	-99021.1413	849157.3170250766	39.2064828591143	-101.1487461	314869.4570277486	4341892.30229953	329.782996524574	311.0766				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SurfElev.f	SurfBoth.f
496	67	64135	-44901.14133	849157.1370250766	39.0688055656524	-100.9578939	330955.6878892331	4341561.325	201.2218918045764	2955.520175623585	2880.253296747748	2876.1657159569093	75.266878781011	79.35424235658402
496	67	64136	-44241.14133	849157.1370250766	39.06880680252497	-100.9555517	331156.7321810610	4341557.20371235	3103.102600489619	2954.504694822185	2879.1807949663635	75.73591417934538	83.11674495856202	83.11674495856202
497	67	64137	-4381.14133	849157.1370250766	39.068809123216	-100.9581798	331357.7269890054	4341558.316448338	3007.985491750815	2954.529804027087	2877.923913231918	75.7873033527484	75.8889079516894	75.8889079516894
498	67	64138	-42221.14133	849157.1370250766	39.06880406532126	-100.9600373	331558.821770178797	4341560.913244785	3002.864017600396	2953.75598755269	2867.6209304308257	75.7146593244334	84.9864547406943	84.9864547406943
499	67	64139	-42261.14133	849157.1370250766	39.068809693	-100.9485231	331769.8640720204	4341545.306420589	3002.7338419162	2953.1420257158507	2875.15290301848495	75.685181976	77.9890955100111	77.9890955100111
500	67	64140	-41601.14133	849157.1370250766	39.0688097655712	-100.9461499	331960.704702547	4341541.304675474	3091.5614081682506	2952.549026001844	2873.901322349746	75.64819776250972	85.4459125309755	85.4459125309755
501	67	64141	-40941.14133	849157.1370250766	39.06890259776383	-100.9438667	332161.9512	4341537.301102425	3002.3994231452138	2951.957089853114	2873.3308168029407	75.6268930237072	81.26598072929119	81.26598072929119
502	67	64142	-40281.14133	849157.1370250766	39.0690536491333	-100.9415386	332362.946830047	4341533.297220835	3093.2374561120146	2951.367013916635	2878.5251516	75.68954073837627	72.84549735273728	72.84549735273728
503	67	64143	-39681.14133	849157.1370250766	39.069167069886	-100.9392164	332564.037727758	4341529.294615381	3093.924378070228	2950.767782702298	2885.130615815923	75.655616173	75.655616173	75.655616173
504	67	64144	-38961.14133	849157.1370250766	39.069291074251906	-100.9368822	332765.007178075	4341525.291467115	3094.460202	2950.18399578728	2879.3215739398923	75.62211127734154	61.4294265316741	61.4294265316741
505	67	64145	-38301.14133	849157.1370250766	39.06913336486335	-100.934554	332966.12351756504	4341521.288634995	3094.966025087674	2949.5889674162263	2887.40417787301	75.6184926285214	61.4541952396759	61.4541952396759
506	67	64146	-37641.14133	849157.1370250766	39.0691598	-100.9322258	333167.167102882	4341517.2859705	3095.531487878143	2948.9947801403857	2882.388008050171	75.622122530107	66.6067009002147	66.6067009002147
507	67	64147	-36981.14133	849157.1370250766	39.0691852602349	-100.9298976	333368.20866017893	4341513.283480044	3094.785843	2948.40138921124	2875.8442835411533	75.62590375046194	73.11143635149301	73.11143635149301
508	67	64148	-36321.14133	849157.1370250766	39.0691202333619	-100.9275964	333569.2500210333619	4341509.281170597	3092.758011047247	2947.810068624493	2874.580587151945	75.62590375046194	73.22948147254783	73.22948147254783
509	67	64149	-35661.14133	849157.1370250766	39.0693427561832	-100.9252412	333770.2931526946	4341505.279039529	3093.7071889394	2947.219690001807	2876.4595711267625	75.637769189383	70.762373739818	71.55200381
510	67	64150	-35001.14133	849157.1370250766	39.069258304987	-100.9229131	333971.335154870	4341501.277087728	3088.7023467454415	2946.631348698502	2874.7569015672325	75.6471780408481	67.87473340126962	67.87473340126962
511	67	64151	-34341.14133	849157.1370250766	39.0692824545079	-100.9205849	334172.3769954589	4341497.27535181	3087.34651338947	2946.462052370285	2880.8552321562183	75.65097308081018	65.46912002141698	65.46912002141698
512	67	64152	-33681.14133	849157.1370250766	39.0691056288115	-100.9182567	334373.41867423063	4341493.273721888	3086.63873189517	2945.4638771209393	2883.138591976765	75.628236954735935	62.7799237324255	62.7799237324255
513	67	64153	-33021.14133	849157.1370250766	39.06913283534091	-100.9159285	334574.4601913426	4341489.272730789	3085.978908084826	2944.884947271744	2884.703441200836	75.61805603382724	60.5839132509885	60.5839132509885
514	67	64154	-32361.14133	849157.1370250766	39.06913056283001	-100.9136003	334775.5015471537	4341485.271070317	3085.295044	2944.3059766724013	2885.78872463854	75.62590375046194	58.7686912662430	58.7686912662430
515	67	64155	-31701.14133	849157.1370250766	39.069372453484	-100.9112721	334976.5427471729	4341481.270712248	3084.755276835123	2943.781633518719	2885.984716965157	75.62590375046194	57.7504738673222	57.7504738673222
516	67	64156	-31041.14133	849157.1370250766	39.069332859645	-100.9089439	335177.5837572119	4341477.269141405	3083.23973789934	2943.170871870275	2885.62489533669	75.685192221411	57.56778649614626	57.56778649614626
517	67	64157	-30381.14133	849157.1370250766	39.06931457457374	-100.9067643	335378.9675273277	4341473.264849381	3082.941687856337	2942.341691101193	2884.8102893421	75.685192221411	57.4730767025469	57.4730767025469
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521	67	64161	-27741.14133	849157.1370250766	39.0694930676624	-100.897303	336182.786533375	4341459.27647129	3077.5100714752939	2940.40119288639	2875.6523995452503	75.6269175583657	61.7796371963773	61.7796371963773
522	67	64162	-27081.14133	849157.1370250766	39.06951263800736	-100.8949748	336383.866722965	4341453.267645878	3076.165974335507	2939.859811961297	2871.474418608417	75.6269175583657	60.3690721485544	60.3690721485544
523	67	64163	-26421.14133	849157.1370250766	39.06953896542076	-100.8926164	336584.8666766546	4341449.265827974	3074.6911687856337	2938.241691101193	2884.5102893421	75.6269175583657	59.73281238761293	59.73281238761293
524	67	64164	-25761.14133	849157.1370250766	39.0695604963866	-100.8903184	336785.9675273277	4341445.264849381	3073.087416125417	2937.932619354543	2883.502057942235	75.6269175583657	59.404213889191	59.404213889191
525	67	64165	-25101.14133	849157.1370250766	39.0695697149286	-100.8879902	336986.954666335	4341441.269317042	3072.485220245436	2938.267760183883	2881.62307723453	75.6269175583657	59.0054526	59.0054526
526	67	64166	-24441.14133	849157.1370250766	39.069582499082	-100.885662	337187.9853012252	4341437.270232374	3071.8780598710574	2937.04653160754	2884.689546429254	75.6269175583657	58.657993737273	58.657993737273
527	67	64167	-23781.14133	849157.1370250766	39.0695993	-100.8833339	337389.025673543	4341433.271	3071.500835920573	2937.22941967575	2883.070892039477	75.6269175583657	58.36823627705	58.36823627705
528	67	64168	-23121.14133	849157.1370250766	39.0696152576195	-100.8810057	337590.06369449	4341429.27260045	3071.372531036847	2936.716479303852	2881.782722670317	75.6269175583657	58.076332606816	58.076332606816
529	67	64169	-22461.14133	849157.1370250766	39.0696307895152	-100.8787771	337791.1027	4341425.2745387	3071.23703284583	2936.205123698025	2885.72397162193006	75.6269175583657	57.8341544711919	57.8341544711919
530	67	64170	-21801.14133	849157.1370250766	39.069646963866	-100.8764354	337992.1415572984	4341421.27549489	3071.101527465801	2935.69825354543	2884.8102893421	75.6269175583657	57.61722659046	57.61722659046
531	67	64171	-21141.14133	849157.1370250766	39.0696604963866	-100.8740721	338193.1808953025	4341417.2747508	3071.16667067629	2935.193529	2883.502057942235	75.6269175583657	57.45739395163374	57.45739395163374
532	67	64172	-20481.14133	849157.1370250766	39.0696746756523	-100.8718929	338394.215844147	4341413.27945698	3071.43247595794	2934.6850320704	2890.25850204072	75.6269175583657	57.2402105263917	57.2402105263917
533	67	64173	-19821.14133	849157.1370250766	39.0696884070312	-100.8693647	338595.2569119824	4341409.28167547	3071.68827858298	2934.18139	2891.689163154102	75.6269175583657	57.03281238761293	57.03281238761293
534	67	64174	-19161.14133	849157.1370250766	39.0697016877936	-100.8670365	338796.295026405	4341405.284002826	3071.9640758326523	2933.66627448339	2893.4601877720506	75.6269175583657	56.7984783625294	56.7984783625294
535	67	64175	-18501.14133	849157.1370250766	39.0697145188489	-100.8647083	338997.330931929	4341401.28659299	3071.20370849014	2933.120165239383	2896.28835	75.6269175583657	56.580192783825	56.580192783825
536	67	64176	-17841.14133	849157.1370250766	39.069726900197	-100.8623001	339198.3706524325	4341397.28536105	3068.41016943849	2932.3987994067594	2895.75570832104	75.6269175583657	56.342228146537	56.342228146537
537	67	64177	-17181.14133	849157.1370250766	39.0697390013986	-100.8598374	339399.466192034	4341393.28536105	3067.41016943849	2931.3442397844	2894.8102893421	75.6269175583657	56.1092388138355	56.1092388138355
538	67	64178	-16521.14133	849157.1370250766	39.0697503137742	-100.8577238	339600.446192034	4341389.29518701	3066.41016943849	2930.09801867942	2894.2236645051746	75.6269175583657	55.87327676429	55.87327676429
539	67	64179	-15861.14133	849157.1370250766	39.0697613460024	-100.8553596	339801.48383437	4341385.29462902	3065.237153522975	2928.719621491292	2891.878621	75.62691755		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	LatHk44.f	SurfBoth.f
621	87	64261	38258.8586730335	849157.1370250766	39.06913356358584	-100.664844	556286.03719017847	4341058.127284876	2929.142972948014	2702.1718994007405	2761.270478	2762.9958204771638	41.414421699240436	39.7160789235679
622	87	64262	38911.8586730335	849157.1370250766	39.0691054242444	-100.662158	556487.662190339	4341054.190867467	2928.998037552408	2761.8917329532453	2764.919353916196	2759.2925071089447	41.59979745	41.5272253056526
623	87	64263	39538.8586730335	849157.1370250766	39.06912962904654	-100.659876	556689.5587089796	4341050.291108362	2927.758905196396	2764.837601386397	2762.992597	2764.03978401683194	42.0404887481153	42.0404887481153
624	87	64264	40238.8586730335	849157.1370250766	39.0690554064302	-100.657494	556889.1122	4341046.225735522	2747.067575392437	2746.467770145661	2746.467770145661	2745.939953958296	44.21136132962461	44.21136132962461
625	87	64265	40898.8586730335	849157.1370250766	39.06902707388795	-100.6551712	557090.13687185233	4341042.264145026	2791.17226396184	2795.21187059779	2746.3946550766814	2750.034196610245	48.8163198309777	45.17686744953394
626	87	64266	41558.8586730335	849157.1370250766	39.0689996716317	-100.652843	557291.161455567	4341038.264307812	2913.870465567562	2913.870465567562	2743.766628708522	2747.58009031935	49.06807018721829	45.7903586513364
627	87	64267	42218.8586730335	849157.1370250766	39.06898711296695	-100.6505148	557492.1858809829	4341034.28394809	2901.263530486696	2791.548676868686	2741.4239965964485	2745.0024471476084	50.12468002038076	46.54620242602164
628	87	64268	42878.8586730335	849157.1370250766	39.0689421380024	-100.6481867	557693.2101783379	4341030.30307089	2907.3514810376028	2799.743633360716	2738.690144003699	2751.5419622732764	50.60489267032764	46.54620242602164
629	87	64269	43538.8586730335	849157.1370250766	39.068891269652975	-100.645858	557894.2343318257	4341026.222578725	2904.439440315906	2798.567381195376	2738.179392962659	2747.168471857261	50.784421735198	45.17686744953394
630	87	64270	44198.8586730335	849157.1370250766	39.068862505367	-100.643303	558095.254559789	4341022.341854423	2796.186040742983	2796.159411489984	2742.958188039395	2745.970992322691	50.77827247	43.72677247
631	87	64271	44858.8586730335	849157.1370250766	39.0688254647534	-100.6412021	558296.283434465	4341018.361531437	2899.4125504534967	2784.434821310876	2736.8544945382734	2744.698069503435	45.7023677260213	43.72677247
632	87	64272	45518.8586730335	849157.1370250766	39.0688126742648	-100.638739	558497.306091057	4341014.38138676	2898.094986	2782.6998492373534	2736.6470937867557	2749.166982	47.052008559579	43.522912397573455
633	87	64273	46178.8586730335	849157.1370250766	39.0687904300711	-100.6365457	558698.3209701121	4341010.41020131	2896.777141824004	2780.9831227137374	2736.3483149747235	2754.10203104328	48.6800773901392	46.830219373455
634	87	64274	46838.8586730335	849157.1370250766	39.0687758441722	-100.6342175	558899.351743394	4341006.421631792	2895.459503902566	2779.2846419469447	2736.8308385838	2753.879046901936	49.457386157655	25.40496426
635	87	64275	47498.8586730335	849157.1370250766	39.0687260456845	-100.631894	559100.3765101896	4341002.42012654	2894.681680197778	2779.304346109493	2736.3394398573555	2749.61026808905	41.2644085639375	27.93580360251472
636	87	64276	48158.8586730335	849157.1370250766	39.068690152597	-100.629512	559301.3997110561	4340998.462589706	2891.76149626180	2775.94003209231	2735.0773457373023	2744.89025782705	40.8628634	31.0497331352596
637	87	64277	48818.8586730335	849157.1370250766	39.0686609762461	-100.627233	559502.427749635	4340994.83335939	2888.74511169243	2774.292466432271	2733.1384021811764	2747.339795443079	41.15406245109496	33.9526708919023
638	87	64278	49478.8586730335	849157.1370250766	39.0686274875278	-100.624908	559703.44570786304	4340990.50260348	2886.823761298293	2772.660158084123	2731.303634590475	2736.39398474096	41.3517934964944	35.7026371002812
639	87	64279	50138.8586730335	849157.1370250766	39.068593481047	-100.622576	559904.468494294	4340985.525362919	2885.44669324969	2771.0416921092033	2729.497835312666	2735.025077662887	41.5435867653706	37.0166444320546
640	87	64280	50798.8586730335	849157.1370250766	39.06856592	-100.6202484	360105.4912	4340982.54643647	2886.116985961467	2769.439286397487	2727.7194689374537	2731.165203191375	41.7144170221341	38.26912548337372
641	87	64281	51458.8586730335	849157.1370250766	39.068532314456	-100.6179203	360306.5136721461	4340978.58	2886.787285473347	2767.836461536195	2725.698241	2728.321149622874	41.3822018933936	39.5153191343765
642	87	64282	52118.8586730335	849157.1370250766	39.068485659845	-100.6159291	360507.5365052434	4340974.589739531	2887.76705290227	2766.240736927527	2726.132686179187	2725.1449489187	41.0586052122088	41.0586052122088
643	87	64283	52778.8586730335	849157.1370250766	39.068439286367	-100.6139784	360709.6115447233	4340970.6115447233	2887.024940451523	2765.490445451523	2724.690445451523	2724.690445451523	41.0586052122088	41.0586052122088
644	87	64284	53438.8586730335	849157.1370250766	39.0684117114203	-100.610957	360909.58042510075	4340966.63374394	2888.604123436005	2763.021432410495	2716.682732234547	2715.96577552442	46.33735100450234	45.1135658680765
645	87	64285	54098.8586730335	849157.1370250766	39.0683807447014	-100.608075	361110.602406537	4340962.65719304	2888.14505832625	2761.32978845882	2714.25946494367	2715.260541925765	41.0586052122088	41.0586052122088
646	87	64286	54758.8586730335	849157.1370250766	39.068343884155	-100.6062793	361311.6245352044	4340958.67086797	2889.68599033469	2759.705720540896	2712.7059183482593	2713.838768606014	46.99980219261033	45.8677393226624
647	87	64287	55418.8586730335	849157.1370250766	39.0683058523569	-100.6039512	361512.645696443	4340954.7969347	2889.861025349157	2758.0213489683303	2711.8722235438977	2714.184142423254	41.0586052122088	41.0586052122088
648	87	64288	56078.8586730335	849157.1370250766	39.068267665941	-100.601623	361713.6615753252	4340950.72380027	2889.671595180333	2756.334151563515	2711.236322	2713.112222733933	40.97239837021334	43.22148729405414
649	87	64289	56738.8586730335	849157.1370250766	39.068229431711271	-100.599248	361914.68498	4340946.18498	2889.681680197778	2754.650445167778	2710.46316834683	2713.18806896831	41.0586052122088	41.0586052122088
650	87	64290	57398.8586730335	849157.1370250766	39.0681952076	-100.596966	362115.7103019671	4340942.73019671	2889.291793542507	2753.87958780779	2712.87578671389	2712.87578671389	43.608405861367	40.1075057068285
651	87	64291	58058.8586730335	849157.1370250766	39.06815121108136	-100.5946384	362316.3174801383	4340938.79428784	2887.65549258889	2751.3376918081267	2708.078758481596	2712.7047716271597	43.54983176235048	38.633029086073
652	87	64292	58718.8586730335	849157.1370250766	39.0681114265027	-100.5923103	362517.75252514513	4340934.91502888	2884.572424232809	2749.7170292137025	2706.167212	2712.7047716271597	43.54983176235048	38.633029086073
653	87	64293	59378.8586730335	849157.1370250766	39.0680871922202	-100.5899821	362718.7734371958	4340930.83601233	2881.48948829218	2748.119566570508	2704.1039814300034	2711.658725823984	40.12575227407364	36.4623281330673
654	87	64294	60038.8586730335	849157.1370250766	39.06803508234	-100.5876539	362919.794216963	4340926.8327215	2880.46585390106	2746.53165894693	2701.812751612516	2710.823735812795	41.35207813905484	35.7026371002812
655	87	64295	60698.8586730335	849157.1370250766	39.06798957454444	-100.5853257	363120.8146625481	4340922.88722717	2880.46585390106	2746.53165894693	2701.812751612516	2710.823735812795	41.35207813905484	35.7026371002812
656	87	64296	61358.8586730335	849157.1370250766	39.0679477911511	-100.582978	363323.835376552	4340918.911357233	2880.46585390106	2746.53165894693	2701.812751612516	2710.823735812795	41.35207813905484	35.7026371002812
657	87	64297	62018.8586730335	849157.1370250766	39.06790575805414	-100.580624	363522.857959284	4340914.53665254	2880.46585390106	2746.53165894693	2701.812751612516	2710.823735812795	41.35207813905484	35.7026371002812
658	87	64298	62678.8586730335	849157.1370250766	39.0678632752542	-100.5783412	363723.7801026334	4340910.96151275	2881.402954	2740.54524769194	2693.64687340843	2695.034348	46.8983731510793	45.5108939
659	87	64299	63338.8586730335	849157.1370250766	39.0678203427507	-100.576013	363924.896128867	4340906.948451282	2886.846800904285	2739.10960658933696	2692.310770959323	2693.090438933696	46.8983731510793	45.5108939
660	87	64300	63998.8586730335	849157.1370250766	39.0677766054374	-100.5736848	364125.96119155909	4340902.00957264	2882.151704133993	2737.699517477536	2691.182254781785	2691.5963213868257	46.8983731510793	45.5108939
661	87	64301	64658.8586730335	849157.1370250766	39.067731286342	-100.5713568	364326.936	4340899.34677224	2881.402954	2736.33138939439	2690.510829504512	2692.205608638491	46.8983731510793	45.5108939
662	87	64302	65318.8586730335	849157.1370250766	39.0676884740216	-100.569231	364527.95696361	4340895.6	2882.151704133993	2736.33138939439	2690.510829504512	2692.205608638491	46.8983731510793	45.5108939
663	87	64303	65978.8586730335	849157.1370250766	39.06764316945929	-100.566984	364729.1057937374	4340891.251012	2882.151704133993	2736.33138939439	2690.510829504512	2692.205608638491	46.8983731510793	45.5108939
664	87	64304	66638.8586730335	849157.1370250766	39.0675984769186	-100.564731	364929.947311285	4340887.11008427	2882.151704133993	2736.33138939439	2690.510829504512	2692.205608638491	46.8983731510793	45.5108939
665	87													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs	g.kg.ft	BR/ElevBoth	g.kg.ft	SurfBoth
7	88	64387	-369881.1413	848817.3170250766	39.20185013066151	-102.0939435	32826.50684159127	43437.38354979503	401.258493	33.7345988059984	3759.05871787237	3757.2698202929616	74.08726841274711	75.87660531	
8	88	64388	-366321.1413	848817.3170250766	39.2018751153977	-102.0918157	323027.65585360255	43437.3416028919	401.2973360549524	33.7417689059275	3756.089555612275	3754.796458	75.8428135	76.83531110837376	
9	88	64389	-366381.1413	848817.3170250766	39.2018904746928	-102.0928978	323328.804607161	43437.30168889302	401.3801826575453	33.7601968496187	3753.287377141387	3754.456156272144	77.6523069485473	77.6523069485473	
10	88	64390	-365001.1413	848817.3170250766	39.2019439841995	-102.0869601	323429.9303811289	43437.2570599029	401.340905525978	33.7825772959096	3750.8926761643696	3750.95753741498	78.7810611045816	78.7810611045816	
11	88	64391	-364341.1413	848817.3170250766	39.20194874442176	-102.0846323	323631.1013017483	43437.2198371906	400.8761541238204	33.78270362421388	3748.503432	3747.80122632802	78.53280126431796	79.2305611258598	
12	88	64392	-363681.1413	848817.3170250766	39.20195475465468	-102.0823205	323832.249254567814	43437.17891	400.619432961887	33.782548726194305	3746.1178479923087	3745.4789785175703	79.436787521179	80.006174	
13	88	64393	-363021.1413	848817.3170250766	39.2019934154865	-102.0799767	324033.3966442275	43437.1378966718	400.4903255414143	33.78295514417694	3743.2075948272757	3742.6171254886206	80.7176712754374	81.00812553	
14	88	64394	-362621.1413	848817.3170250766	39.202004265273586	-102.0776488	324234.5443698974	43437.7097	400.298701559305	33.7825456683243	3740.3059837238607	3740.9419711712929	80.0488920382655	81.7126391594438	
15	88	64395	-361701.1413	848817.3170250766	39.20204971883961	-102.0755314	324435.7245282222	43437.518695908	400.167800210898	33.78277231369844	3737.6917566795484	3737.888136	80.0805595842627	82.87417806	
16	88	64396	-361041.1413	848817.3170250766	39.202073340045304	-102.0729532	324638.838430279	43437.301423	399.175746383913	33.78178710435603	3735.257857005562	3735.207448702763	83.02063137004119	83.02063137004119	
17	88	64397	-360381.1413	848817.3170250766	39.20208916393965	-102.0706654	324837.8586969578	43437.431455604	397.272895657937	33.7813581846603	3733.734687271339	3733.7869302428993	83.09341332151	83.786742734176106	
18	88	64398	-359721.1413	848817.3170250766	39.20212247582454	-102.0683376	325039.1314379103	43436.930110564	399.370447416004	33.781566620696747	3732.8227343790086	3732.96585177774	83.1388631773614	83.7960789249708	
19	88	64399	-359091.1413	848817.3170250766	39.202146933911685	-102.0660097	325240.2775427225	43436.8982486649	393.1274982241213	33.78134010062817	3731.8896606003024	3732.0790064810717	82.4374050028234	82.4374050028234	
20	88	64400	-358401.1413	848817.3170250766	39.20217137528164	-102.0636819	325441.4231	43436.8517696955	390.5451717001495	33.78126765385149	3731.01821420875	3731.104728522577	81.5358012912604	81.5358012912604	
21	88	64401	-357741.1413	848817.3170250766	39.2021977165228	-102.0613541	325642.5688782637	43436.8167174179	398.96287005967962	33.781013135991896	3730.045142004642	3730.171983187635	80.96997337	80.96997337	
22	88	64402	-357081.1413	848817.3170250766	39.202220112314355	-102.0590263	325843.7142003101	43436.76797	398.3081571596346	33.780933540294328	3729.11986353629	3729.1684868369	80.7196775769727	80.7196775769727	
23	88	64403	-356421.1413	848817.3170250766	39.20224442963538	-102.0566884	326044.859360996	43436.72886	398.21370126936	33.78078424393987	3728.208273919878	3727.934681419222	79.436787521179	79.436787521179	
24	88	64404	-355761.1413	848817.3170250766	39.20226411689241	-102.0543706	326246.001458423	43436.679858768	397.7519857269516	33.780593742519314	3726.952227304253	3726.6319175474	79.8674972736105	79.8674972736105	
25	88	64405	-355101.1413	848817.3170250766	39.20229297740606	-102.0520428	326447.1486955074	43436.6706	397.3975180154769	33.780422970603302	3725.9505781190423	3725.291469011328	78.297144128789	78.297144128789	
26	88	64406	-354441.1413	848817.3170250766	39.20231707935391	-102.0497149	326648.292970242	43436.61594275	397.16354137278546	33.7802512466176334	3724.508132761056	3724.508132761056	77.9860892735405	77.9860892735405	
27	88	64407	-353781.1413	848817.3170250766	39.2023412060767	-102.0473871	326849.371	43436.562345148	398.5889544175583	33.78079793411848	3722.857970271913	3722.779068695745	77.9299604366875	77.9299604366875	
28	88	64408	-353121.1413	848817.3170250766	39.20236527701696	-102.0450593	32700.5807377053	43436.5246731087	396.0544171755283	33.7809062028127	3721.22754548607	3721.071169444	77.8268603926669	78.0291913238632	
29	88	64409	-352461.1413	848817.3170250766	39.2023893245976	-102.042644	327238.84067191	43436.47400091	395.71198500921	33.78137398523144	3719.18911669458	3719.18911669458	77.8268603926669	77.8268603926669	
30	88	64410	-351801.1413	848817.3170250766	39.2024131621096	-102.0400436	327452.86746075127	43436.42582515	390.9852328381425	33.7816789704056	3716.731419112615	3716.731419112615	78.04205987574628	79.2184414987779	
31	88	64411	-351141.1413	848817.3170250766	39.20243782630742	-102.0380757	327654.010531891	43436.382982515	390.02505980381	33.781892274067223	3713.862613647678	3713.862613647678	79.5668167358102	80.6674946226015	
32	88	64412	-350481.1413	848817.3170250766	39.20246116489241	-102.0357479	327855.1532425897	43436.3600503363	395.4259331345598	33.781960262992678	3714.0119688270485	3717.9147143774267	80.0467472252989	80.0467472252989	
33	88	64413	-349821.1413	848817.3170250766	39.2024852812787524	-102.03342	328056.295639815	43436.319910405	392.239989598239	33.780911690538437	3709.2196457052358	3709.1159115945614	81.1847663208018	82.3813760286189	
34	88	64414	-349161.1413	848817.3170250766	39.20250883722725	-102.0310922	328257.437885066	43436.2730439853	395.0361683659587	33.7803702133941	3706.276549442038	3705.295645953092	82.2541526919037	83.2350561808491	
35	88	64415	-348501.1413	848817.3170250766	39.20253260897976	-102.0287643	328458.57881671434	43436.2315255985	396.76337648673	33.780533837038673	3704.62138418345	3704.62138418345	82.032654296158	82.032654296158	
36	88	64416	-347841.1413	848817.3170250766	39.2025571064179	-102.026367	328659.714898967	43436.191727	394.71782079535	33.780691927414	3700.802524951103	3700.802524951103	80.774713133682	80.774713133682	
37	88	64417	-347181.1413	848817.3170250766	39.20257999976834	-102.0241088	328860.8620021283	43436.1538334985	390.2861170289687	33.78225532607976	3698.4300275165997	3705.52935456798	84.7865077441973	76.6961803939985	
38	88	64418	-346521.1413	848817.3170250766	39.2026036186338	-102.0217808	329062.004056309	43436.11552	390.682041160403	33.781459913781578	3696.2072760671736	3701.15102588046	85.2483771458422	71.70416719	
39	88	64419	-345861.1413	848817.3170250766	39.2026271289934	-102.0194529	329263.1449517302	43436.074515993	390.6719159250633	33.7806818484433	3693.650284618495	3700.890454957028	80.06323299373	78.7960259	
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41	88	64421	-344541.1413	848817.3170250766	39.2026742563576	-102.0149172	329665.42956716853	43435.99929702433	395.017795052481	33.7771118820618	3688.30689571009	3743.71175481133	87.04289315	92.37707137	
42	88	64422	-343881.1413	848817.3170250766	39.20269869541476	-102.0126464	329866.569275849	43435.952705498	395.72704195849	33.782138194325	3686.087921551265	3704.954523227	82.6994352541277	90.3890748493118	
43	88	64423	-343221.1413	848817.3170250766	39.20272117193565	-102.0101475	329867.705907507	43435.9115881813	394.831242768732	33.7762732398529	3682.62534298407	3686.077100112232	86.550165	86.550165	
44	88	64424	-342561.1413	848817.3170250766	39.2027446025924	-102.0078136	329828.8455454797	43435.87029	395.2149770778055	33.780722040179355	3679.608189497289	3665.94632712646	91.2640512506467	91.2640512506467	
45	88	64425	-341901.1413	848817.3170250766	39.2027677764236	-102.0054858	329849.98490210195	43435.82843	394.6461828738	33.77691273300976	3676.998423476315	3665.572557	92.1240348266143	102.50521100134598	
46	88	64426	-341241.1413	848817.3170250766	39.2027910700553	-102.0031579	329871.123992405	43435.78567739018	394.7662879966863	33.776730095302023	3676.3012955675196	3668.416674551767	93.471403006016	98.96342158002562	
47	88	64427	-340581.1413	848817.3170250766	39.2028143	-102.00083	329872.268	43435.7477736018	394.366540939411	33.77510629247557	3667.00216045597	3641.3888424365935	98.61307744581791	98.61307744581791	
48	88	64428	-339921.1413	848817.3170250766	39.2028374795885	-101.9986022	329903.2410002053	43435.706848192	392.760779640815	33.77811125430307	3668.008142126963	3665.967336735252	94.378004300738	97.31974897	
49	88	64429	-339261.1413	848817.3170250766	39.2028619641179	-101.996297	329924.36291759	43435.66701759	394.047190127414	33.78062191327491	3667.18013399563	3667.18013399563	93.7207937090806	93.7207937090806	
50	88	64430	-338601.1413	848817.3170250766	39.2028861310033	-101.9938404	329944.67787281846	43435.63215722515	392.840079400344	33.78029624575695	3665.86045302168	3666.702991838615	94.6323304	93.7902970870806	
51	88	64431	-337941.1413	848817.3170250766	39.202906757710075	-101.9915185	329967.8155882818	43435.584471825	390.868987919812	33.77879148758693	3668.84462270558	3666.80893750611	93.91268648813502	91.9890500808178	
52	88	64432	-337281.1413	848											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	Sat/LtLogs.f	Sat/LtBoth.f
133	88	64513	-283821.1413	848817.3170250766	39.2046436657433	-101.8006282	258169.263304481	4343224.055187294	3729.822313547661	3640.670470998242	3530.530954765006	3540.3131177086045	174.13951620323587	64.35735391163735
134	88	64514	-283816.1413	848817.3170250766	39.204662972304504	-101.7983002	258370.38058042855	4343219.985040112	3726.53536742627	3603.722549033796	3530.967267900852	3540.1045932453381	67.75528132453381	61.1589312462492
135	88	64515	-283810.1413	848817.3170250766	39.20468243347064	-101.7959233	258671.19464887504	4343215.9150733694	3723.644058584142	3602.786947783566	3532.6160022749698	3541.8649277446968	70.17304551	60.83501893309298
136	88	64516	-283814.1413	848817.3170250766	39.20470146887271	-101.7936433	2587272.6144	4343215.9258275978	3721.140221914232	3603.741977044253	3534.461977044253	3545.712601825345	67.409024589	56.158621115976075
137	88	64517	-283818.1413	848817.3170250766	39.20472064971066	-101.7913163	258873.70689686848	4343207.7769256828	3718.633676360405	3600.9647654113455	3536.3590134528695	3550.3919815018808	64.600575195847605	50.57278390046476
138	88	64518	-283821.1413	848817.3170250766	39.204739785584486	-101.7898883	259174.8471918652	4343203.7602749685	3716.132553436819	3600.068915130846	3538.253256268148	3555.530305938227	64.53786049017487	44.53786049017487
139	88	64519	-279861.1413	848817.3170250766	39.20475887649413	-101.7866603	259375.96324862927	4343199.63709136	3713.474647476943	3599.18047330834	3540.58760419963	3561.1506707980056	58.54267261	38.0298023638245
140	88	64520	-279201.1413	848817.3170250766	39.2047779243955	-101.7843232	259597.07967369587	4343195.567968758	3714.302218331667	3598.29014458861	3543.245172446894	3598.209938244176	55.05086897398105	29.086072145048445
141	88	64521	-278654.1413	848817.3170250766	39.204796923420716	-101.7820433	259778.19464887504	4343191.489114813	3697.651278918637	3597.401845584142	3546.544594769585	3577.0083918052895	50.866439105577724	20.401626831251633
142	88	64522	-277781.1413	848817.3170250766	39.20481587947804	-101.7796733	259979.3099915791	4343194.4262329	3700.79530041114	3595.511495771479	3550.5172225097933	3560.4510200767058	46.010200767058	26.79063715426894
143	88	64523	-277221.1413	848817.3170250766	39.20483470490491	-101.7773483	260180.4250974566	4343183.361918445	3685.057189704861	3595.61117847953	3555.569164026561	3566.714060490904	40.04116321392328	28.8970735689808
144	88	64524	-276561.1413	848817.3170250766	39.2048536657836	-101.7750203	260381.5396961306	4343179.29359277	3680.542663616875	3594.6712481458276	3559.7107069289628	3565.2632053573223	34.960487446530086	29.407257510095306
145	88	64525	-275901.1413	848817.3170250766	39.20487274770217	-101.7726923	260582.65969780482	4343175.25453875	3676.03470135491	3593.67285640197	3559.856067144077	3562.7903939	30.88246753477193	30.88246753477193
146	88	64526	-275241.1413	848817.3170250766	39.2048912386154	-101.7703643	260783.7689967697	4343171.10594286	3671.5231160781404	3592.5702294977696	3557.077052	3559.0452583394535	35.493177319689494	33.52497115831602
147	88	64527	-274581.1413	848817.3170250766	39.20490995056645	-101.7680363	260984.8831509616	4343167.1874997648	3674.774000829749	3591.2927428670628	3554.0723871778803	3556.42089878006	37.2203958918242	37.2203958918242
148	88	64528	-273921.1413	848817.3170250766	39.20492867128686	-101.7657783	261185.9077205569	4343163.02211856	3676.639633396799	3589.733682774107	3551.445414166999	3553.8110029497858	38.29944880710818	35.9527935432135
149	88	64529	-273261.1413	848817.3170250766	39.20494743125373	-101.7633803	261387.1175866892	4343158.954790904	3681.554606704729	3587.969925882482	3549.3202968213386	3551.4031418486747	38.6092906114328	36.5501089086022
150	88	64530	-272601.1413	848817.3170250766	39.2049659885405	-101.7610523	261588.224028304	4343154.84787387	3688.469380017198	3585.934995324606	3547.465268312394	3549.148204929237	38.4697270334654	36.78679132536886
151	88	64531	-271941.1413	848817.3170250766	39.20498446019072	-101.7587243	261789.3342226922	4343150.482049898	3687.200268	3583.7676304796587	3555.9586099445596	3546.864229326547	37.8090205309908	36.90340117171157
152	88	64532	-271281.1413	848817.3170250766	39.20500296656278	-101.7563963	261990.5044006613	4343146.75363615	3683.7471771647814	3581.5168604410548	3544.86998500749	3544.86998500749	36.5665545035655	36.15880001484264
153	88	64533	-270621.1413	848817.3170250766	39.20502142797016	-101.7540683	262191.5631439943	4343142.687	3680.294075165642	3579.21821045619	3544.992121646271	3544.890959148396	34.2260880992402	34.32725101870119
154	88	64534	-269961.1413	848817.3170250766	39.205039681283	-101.7517403	262392.561551786	4343138.620378089	3676.840978509163	3576.891874281743	3545.005034796613	3546.050948144938	30.64621648482984	30.64621648482984
155	88	64535	-269301.1413	848817.3170250766	39.20505791589777	-101.7494464	262590.2282620057	4343134.59487857	3674.650439981827	3574.454821981827	3543.80513878183	3543.80513878183	32.718383413719	32.718383413719
156	88	64536	-268641.1413	848817.3170250766	39.20507654	-101.7470463	262794.8996258466	4343130.474921151	3664.752454418232	3572.199045142644	3548.9097767026174	3550.927576484266	23.29326404052717	30.23128191408525
157	88	64537	-267981.1413	848817.3170250766	39.20509482352221	-101.7447563	262996.0117663208	4343126.419695918	3661.844795	3569.844574503907	3551.0274315194033	3550.932865149308	18.8171428483079	18.8171428483079
158	88	64538	-267321.1413	848817.3170250766	39.20511306535695	-101.7424282	263197.123356217	4343122.35619243	3650.936484318563	3567.489233438605	3554.6616372763415	3554.744711	12.62759616319047	12.74451208404800
159	88	64539	-266661.1413	848817.3170250766	39.2051312521428	-101.7401002	263398.2360479193	4343118.29002609	3648.989086782566	3565.134818	3559.5500018500034	3544.600112900508157	5.888660136516714	5.123528703470408
160	88	64540	-266001.1413	848817.3170250766	39.2051493891987	-101.7377712	263599.3485720046	4343114.225	3634.0022442003547	3562.73868068418	3565.000099	3568.2047592220034	35.6674792220034	35.6674792220034
161	88	64541	-265341.1413	848817.3170250766	39.20516750050687	-101.7354446	263800.45957395251	4343110.15984685	3628.0151984685	3560.4348585750703	3566.04866118849	3570.16212946108	37.016212946108	37.016212946108
162	88	64542	-264681.1413	848817.3170250766	39.20518555722307	-101.7331162	264001.58014	4343106.08402474	3616.028595044736	3558.039024736654	3557.95931767725	3568.039024736654	35.6827935432135	35.6827935432135
163	88	64543	-264021.1413	848817.3170250766	39.20520356888803	-101.7307882	264202.6777422344	4343102.30058227	3612.5981151316983	3555.768048052636	3555.7832496047034	3567.1309711664903	35.6710911664903	35.6710911664903
164	88	64544	-263361.1413	848817.3170250766	39.20522153578167	-101.7284601	264403.7879418108	4343107.965378116	3614.724068887527	3553.431047847318	3552.145197184249	3561.285534303439	1.2858507630689928	1.2858507630689928
165	88	64545	-262701.1413	848817.3170250766	39.205239457610226	-101.7261321	264604.89787469724	4343103.90080132	3616.850464338607	3551.109079353638	3545.016214161027	3549.840318790466	6.029824956261078	6.029824956261078
166	88	64546	-262041.1413	848817.3170250766	39.20525733447363	-101.7238041	264806.00757844774	4343098.63466243	3618.975973984616	3548.7931121528895	3536.258719791841	3536.258719791841	11.464027468218319	11.464027468218319
167	88	64547	-261381.1413	848817.3170250766	39.20527516637189	-101.7214761	265007.1170479683	4343085.72430509	3618.95195778946	3546.462484979216	3532.5682284532034	3532.5682284532034	13.5749695818273	13.5749695818273
168	88	64548	-260721.1413	848817.3170250766	39.20529345330495	-101.719148	265208.2282620057	4343101.79478857	3614.1767209053203	3541.80513878183	3541.80513878183	3541.80513878183	12.718383413719	12.718383413719
169	88	64549	-260061.1413	848817.3170250766	39.2053107	-101.71682	265409.3329203215	4343107.647709304	3610.6079258479	3541.8767543489006	3531.77529911558	3533.66335	10.1014584323284	8.211419731760539
170	88	64550	-259401.1413	848817.3170250766	39.20532839227541	-101.714492	265610.440635878	4343101.581121484	3612.42553700627	3539.582618205394	3532.09975531566	3535.01406670349	7.4824627832238	4.56855150065495
171	88	64551	-258741.1413	848817.3170250766	39.20534604312684	-101.712164	265811.5560571727	4343099.57176641	3608.08792701684	3537.2049970414	3532.25141956118	3536.30518505227	4.624790454	0.989011848718045
172	88	64552	-258081.1413	848817.3170250766	39.2053636138465	-101.7098359	266012.6609152921	4343106.454931852	3610.58750674174	3535.01405913617	3532.04375555881	3535.3626357717073	2.76254054790306	2.76254054790306
173	88	64553	-257421.1413	848817.3170250766	39.20538121349126	-101.7070979	266213.7689154152	4343101.39411982	3595.08739876047	3532.73375721347	3530.3035100563843	3530.3035100563843	2.428446565	2.428446565
174	88	64554	-256761.1413	848817.3170250766	39.20539873063248	-101.7057798	266414.67864195425	4343107.2859748	3588.581100846298	3530.4603382489536	3527.91362438341	3534.131652901395	3.140713806012774	3.140713806012774
175	88	64555	-256101.1413	848817.3170250766	39.20541629309768	-101.703446	266615.9282620057	4343103.69897661	3612.42553700627	3539.582618205394	3532.09975531566	3535.01406670349	7.4824627832238	4.56855150065495
176	88	64556	-255441.1413	848817.3170250766	39.20543363001861	-101.7010528	266817.01945421285	4343109.20430557	3614.1767209053203	3541.80513878183	3541.80513878183	3541.80513878183	12.718383413719	12.718383413719
177	88	64557	-254781.1413	848										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.fg	BR/ElevBoth.fg	SatThkLogs.f	SatThkBoth.f		
259	68	64639	-200661.1413	848917.3170250766	39.20672335825394	-101.5072934	283508.2213283151	342472.1650228669	3522.9258232527545	3352.3188042804036	3372.9713083285883	3372.284880545008	0	0		
260	68	64640	-200001.1413	848917.3170250766	39.206736985628094	-101.5048633	283709.7010720033	342470.8620999515	3523.335429643050	3352.132163041571	3370.2044776041253	3370.665915910816	0	0		
261	68	64641	-198061.1413	848917.3170250766	39.206736985628094	-101.5048633	283709.7010720033	342470.8620999515	3523.335429643050	3352.132163041571	3370.2044776041253	3370.665915910816	0	0		
262	68	64642	-196861.1413	848917.3170250766	39.20676415092965	-101.500309	284111.4868028363	342469.50599507	3524.700813635167	3340.008442520877	3370.3591705929107	3370.665915910816	0	0		
263	68	64643	-198021.1413	848917.3170250766	39.2067776662841	-101.4978909	284312.57055276406	342469.462401169	3524.108795	3343.4759705228935	3360.54848868034	3362.401234891902	0	0		
264	68	64644	-197361.1413	848917.3170250766	39.20679113615913	-101.4955528	284513.66291809944	342469.415897838	3523.674977968417	3341.2453954045673	3357.0698751285195	3359.12735694812	0	0		
265	68	64645	-196701.1413	848917.3170250766	39.20680456132182	-101.4933247	284714.75058903505	342468.369575904	3523.106201156153	3339.0083858568532	3353.5874078397333	3354.581467582	0	0		
266	68	64646	-194001.1413	848917.3170250766	39.20681343511641	-101.4809965	284814.3234355167	342468.3234355167	3523.604904324657	3336.7633399674864	3341.441973547445	3351.9915574681962	0	0		
267	68	64647	-195381.1413	848917.3170250766	39.206831276742525	-101.4688684	285016.36262152043	342470.277476194	3522.75695856981	3334.511548280574	3346.11897351904	3348.458456023616	0	0		
268	68	64648	-194721.1413	848917.3170250766	39.20684567010178	-101.4683403	285318.0123654895	342476.213598404	3523.254694863279	3344.8730309746502	3344.052449930734	3345.025449930734	0	0		
269	68	64649	-194061.1413	848917.3170250766	39.20685812291496	-101.4840122	285519.091978701	342672.186101981	3524.362805855921	3329.963436753116	3341.790247527695	3341.790247527695	0	0		
270	68	64650	-193401.1413	848917.3170250766	39.20687012613526	-101.481684	285720.185818761	342468.140689918	3525.16625836041	3327.726756557027	3339.760025449938	3340.054952983494	0	0		
271	68	64651	-192741.1413	848917.3170250766	39.20688416796734	-101.4793559	285921.2272871175	342464.0562532055	3525.17751586432	3325.456114222161	3337.1834502233619	3335.062057589897	0	0		
272	68	64652	-192081.1413	848917.3170250766	39.2068972735293	-101.4770278	286122.3584755283	342466.05400839	3524.378807052194	3323.1831268410203	3334.6546989515846	3332.5006705834375	0	0		
273	68	64653	-191421.1413	848917.3170250766	39.206910343710254	-101.4748697	286323.446913569125	342466.05529806	3523.586044032593	3320.90959582633	3323.2908817749114	3330.0871555387483	0	0		
274	68	64654	-190761.1413	848917.3170250766	39.206920384211931	-101.4727315	286524.53019324265	342461.96040186	3522.7932872001163	3318.6374598213547	3330.038792166475	3326.2475804403944	0	0		
275	68	64655	-190101.1413	848917.3170250766	39.2069363970007	-101.4700434	286725.6157604594	342467.916331722	3520.2821973648563	3316.368584604199	3327.834556657126	3327.078689324266	0	0		
276	68	64656	-189441.1413	848917.3170250766	39.206949270212476	-101.4677153	286926.7101755026	342463.872004662	3516.055841369676	3314.104706645508	3325.715769011458	3322.5869648924	0	0		
277	68	64657	-188781.1413	848917.3170250766	39.20696215575655	-101.4653871	287127.786264161	342463.782758903	3511.828462974895	3311.8468443893794	3323.373077406712	3320.517074826202	0	0		
278	68	64658	-188121.1413	848917.3170250766	39.20697496321254	-101.463059	287328.720119954	342463.78399442	3509.701048579137	3309.947014335206	3320.845680833543	3318.654231079105	0	0		
279	68	64659	-187461.1413	848917.3170250766	39.20698779194361	-101.4607309	287529.95959824196	342631.740111273	3503.775798351697	3307.35806403493	3318.01872222868	3314.64771057227	0	0		
280	68	64660	-186801.1413	848917.3170250766	39.206970054257856	-101.4584427	287713.004483632	342627.69659302	3505.302608740563	3305.11809057057	3313.108347296515	3317.7055750686	0	0		
281	68	64661	-186141.1413	848917.3170250766	39.20711324825151	-101.456808	287892.12457110945	342571.105111163	3427.693939	3306.989486841502	3312.1521775818115	3318.383837	0	0		
282	68	64662	-185481.1413	848917.3170250766	39.20702509580509	-101.4537465	288133.20885245	342619.609849447	3493.506255516244	3300.695253137371	3307.320374027075	3314.762475	0	0		
283	68	64663	-184821.1413	848917.3170250766	39.20703862468411	-101.4514183	288334.2927500171	342615.567	3489.481915	3308.5103567813053	3303.0522969470544	3311.702812590311	0	0		
284	68	64664	-184161.1413	848917.3170250766	39.20705109544902	-101.4490902	288535.3764332818	342611.523914549	3484.854861856065	3296.347153003202	3298.3575179927584	3308.01266923134	0	0		
285	68	64665	-183501.1413	848917.3170250766	39.20706362124535	-101.446762	288736.4599802448	342607.481	3480.231049	3294.2096946476363	3294.253222187889	3305.463051661073	0	0		
286	68	64666	-182841.1413	848917.3170250766	39.207076102075154	-101.4444339	288937.54317511007	342603.438704635	3475.60561634995	3292.100646406709	3290.589604076025	3302.3673860128474	1.5115823299065596	0	0	
287	68	64667	-182181.1413	848917.3170250766	39.20708737832336	-101.4421068	289136.562540861	342603.9879151629	3478.38621089548	3290.520676	3287.02182223153	3298.67362346795	2.988573462346795	0	0	
288	68	64668	-181521.1413	848917.3170250766	39.20710278282065	-101.4397776	289339.1058533026	342595.344217164	3454.656063381897	3287.9170171454	3285.716145248113	3295.3885246075	4.05388524664075	0	0	
289	68	64669	-180861.1413	848917.3170250766	39.2071132745098	-101.4374495	289540.79182913643	342591.312469575	3458.731055678325	3285.95563666078	3280.408000317164	3302.00421880064	5.067633437151	0	0	
290	68	64670	-180201.1413	848917.3170250766	39.207125575740225	-101.4351213	289741.8742656661	342592.27204915	3452.906947973474	3283.977450811932	3276.971186290716	3300.134050888966	7.04673751221469	0	0	
291	68	64671	-179541.1413	848917.3170250766	39.207137831688776	-101.4327932	289942.95469512194	342583.22849265	3448.238151	3282.0382892818784	3273.086096980136	3282.3902905891	8.052912031742343	0	0	
292	68	64672	-178881.1413	848917.3170250766	39.20715004704626	-101.4304651	290133.1507717227	3424.7251134625303	3440.1399510481847	3269.11489272929	3269.11489272929	3269.11489272929	11.0257173255887	24.972019140182056	0	0
293	68	64673	-178221.1413	848917.3170250766	39.207162208757154	-101.4281389	290345.1203	3424.75614813311	3441.212076551079	3268.42546283076	3264.273092444487	3263.765309339878	14.51910343094964	0	0	
294	68	64674	-177561.1413	848917.3170250766	39.20717431825151	-101.425908	290546.2014310945	342571.105111163	3427.693939	3306.989486841502	3312.1521775818115	3318.383837	0	0		
295	68	64675	-176901.1413	848917.3170250766	39.20718641	-101.4234806	290727.2834532784	342567.646768311	3437.526811925959	3274.711091629128	3265.16216290012	3302.00421880064	18.5498746860076	74.70741535237448	0	0
296	68	64676	-176241.1413	848917.3170250766	39.20719843700464	-101.4211525	290948.3465	342563.03255748	3440.695416875926	3272.9946477783056	3252.5814663631454	3252.909360266925	20.41318141205145	47.0855515113607	0	0
297	68	64677	-175581.1413	848917.3170250766	39.2072104232542	-101.4188243	291149.4455438243	342568.983004544	3443.864014332924	3271.325168011448	3249.4259164582795	3249.4259164582795	21.89925162865238	23.7310971969812	0	0
298	68	64678	-174921.1413	848917.3170250766	39.2072236445553	-101.4164962	291350.526205139	342554.942664488	3447.0326117869529	3249.0829125178175	3266.140717268972	3260.1942872803955	3.561569978676399	0	0	
299	68	64679	-174261.1413	848917.3170250766	39.2072342608976	-101.4141618	291551.6080907721	342562.90505572	3446.475343096717	3268.1255347966717	3247.295167889413	3273.93217086219	30.009369272836	0	0	
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301	68	64681	-172941.1413	848917.3170250766	39.20725813285151	-101.409518	291953.162731751129	342542.9271331129	3442.19209175885	3266.593873431166	3245.421931686429	3272.998501574697	21.1704175673797	0	0	
302	68	64682	-172281.1413	848917.3170250766	39.207269679579014	-101.407138	292154.84140974	342538.383	3433.6529407258294	3263.6671506408534	3241.642381793173	3273.269105164687	22.07473437137047	0	0	
303	68	64683	-171621.1413	848917.3170250766	39.20728136935764	-101.4048554	292355.927115727	342534.734881164	3430.83620489721	3262.26982431215	3239.897696966254	3270.190474284867	22.7212744466128	0	0	
304	68	64684	-170961.1413	848917.3170250766	39.2072936372709	-101.4025273	292557.0067274005	342534.760478355	3429.538967468295	3260.9154157880403	3238.263804042675	3266.40959	22.651617397726	0	0	
305	68	64685	-170301.1413	848917.3170250766	39.20730384374763	-101.4001991	292758.06807970475	342536.66535603	3269.605977115465	3237.807491912011	3264.631766117017	3271.29310579953624	23.7915739653624	0	0	
306	68	64686	-169641.1413	848917.3170250766	39.20731627519915	-101.398781	292959.165227671	342522.626	3426.947192604477	3258.32051022661	3263.77962765224					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SatHtBoth.ft
385	88	64765	-117501.1413	848817.3170250766	39.20808910602865	-101.2139447	388483.7909640551	4324204.125641456	292.87910839371655	314.84863611511978	311.05396000283244	72.52228040277888
386	88	64766	-116841.1413	848817.3170250766	39.208097069894366	-101.2111616	390044.8544560005	4322400.101212533	332.80177890128603	311.543072805248	311.30526142271	70.9314253910177
387	88	64767	-116181.1413	848817.3170250766	39.208105050766	-101.2092683	390485.81877116	43211.533536126387	317.638710723848	310.655017037886	310.687878634193	69.24762389
388	88	64768	-115521.1413	848817.3170250766	39.20811292271425	-101.2069601	390446.98087788315	43202.052952504	332.93284235069313	317.5632761686985	310.8053030696647	67.8293048
389	88	64769	-114861.1413	848817.3170250766	39.20812077166835	-101.2046319	390648.0438082305	43214.0829007776	314.721265103273	317.6076607009131	310.6310143943217	66.629389967358
390	88	64770	-114201.1413	848817.3170250766	39.20812857565188	-101.2023036	390949.10655178945	43218.050300465	326.492459716765	316.705233446615	310.4276678403722	65.4373064913393
391	88	64771	-113541.1413	848817.3170250766	39.2081363466484	-101.1999754	310050.16910876526	43219.7891773584	326.103358962016	316.6762579158016	310.4276678403722	65.4373064913393
392	88	64772	-112841.1413	848817.3170250766	39.20814405	-101.1974672	310251.2314739556	43215.954842122	326.54518957303	316.7634637801088	310.680938726118	63.16776909749704
393	88	64773	-112221.1413	848817.3170250766	39.2081517777885	-101.195319	310452.2937	43217.9335261072	326.868752449865	317.22343821443367	310.680938726118	63.16776909749704
394	88	64774	-111561.1413	848817.3170250766	39.20815934188007	-101.1929208	310653.35562233	43217.91272426	327.028996225697	315.88404983512	307.43865300755	60.65571937357156
395	88	64775	-110901.1413	848817.3170250766	39.2081669201055	-101.1906628	310654.41749226	43217.88947017	327.82390431107	315.523701838698	309.51197364105	59.72522819565929
396	88	64776	-110241.1413	848817.3170250766	39.20817445517037	-101.188334	311055.49710205007	43219.86685317	328.179154629037	315.2937304658174	309.737400356426	58.426100225319
397	88	64777	-109581.1413	848817.3170250766	39.20818154435924	-101.1860062	311256.504438228	43215.844400838	328.915959597108	314.973689635979	309.023125325729	57.5424360806801
398	88	64778	-108921.1413	848817.3170250766	39.2081893857799	-101.183678	311457.610044477	43215.151	328.967372729908	314.6704559681	309.023125325729	57.5424360806801
399	88	64779	-108261.1413	848817.3170250766	39.20819678762576	-101.181348	311558.6627212115	432147.8000529865	328.958015281056	314.6704559681	309.023125325729	57.5424360806801
400	88	64780	-107601.1413	848817.3170250766	39.20820414210283	-101.1790216	311659.7239	432143.7781891	328.9711681905674	314.1207662738145	308.806231199556	56.9203113917202
401	88	64781	-106941.1413	848817.3170250766	39.20821145140918	-101.1766933	312060.784614587	43213.75464566	328.9757318	313.8545569693006	308.806231199556	56.9203113917202
402	88	64782	-106281.1413	848817.3170250766	39.208218715744756	-101.1743651	312251.8449756276	43213.7388366	328.9643468105674	313.7524053134	308.806231199556	56.9203113917202
403	88	64783	-105621.1413	848817.3170250766	39.208225935109596	-101.1720369	312462.9053134717	43213.71352104	328.9650501857627	313.30114301158897	308.806231199556	56.9203113917202
404	88	64784	-104961.1413	848817.3170250766	39.2082331095039	-101.1697807	312663.965434935	43212.729339468	328.9641396701521	313.30114301158897	308.806231199556	56.9203113917202
405	88	64785	-104301.1413	848817.3170250766	39.20824023892696	-101.1673805	312865.02529399	43212.631737744	328.9671890268117	312.74613368733498	308.806231199556	56.9203113917202
406	88	64786	-103641.1413	848817.3170250766	39.20824732337948	-101.1650323	313066.052129591	43219.816505335	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
407	88	64787	-102981.1413	848817.3170250766	39.20825436986117	-101.1626983	313269.1448120896	43219.773724253	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
408	88	64788	-102321.1413	848817.3170250766	39.20826135737202	-101.1603959	313462.042248567	43217.816941404	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
409	88	64789	-101661.1413	848817.3170250766	39.2082683691205	-101.1580676	313669.2636195384	43210.758913369	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
410	88	64790	-101001.1413	848817.3170250766	39.20827521481286	-101.1557394	313870.322517496	43210.56903619	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
411	88	64791	-100341.1413	848817.3170250766	39.20828207	-101.1534112	314071.381381056	43209.594113631	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
412	88	64792	-99681.1413	848817.3170250766	39.2082888570705	-101.1511083	314272.4400700305	43209.52937305	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
413	88	64793	-99021.1413	848817.3170250766	39.20829585538362	-101.1487548	314473.4985710326	43209.52937305	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
414	88	64794	-98361.1413	848817.3170250766	39.20830239049304	-101.146426	314674.7449	43209.52937305	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
415	88	64795	-97701.1413	848817.3170250766	39.20830959674076	-101.1440983	314875.610353156	43208.471	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
416	88	64796	-97041.1413	848817.3170250766	39.20831568451117	-101.1417701	315076.6739239716	43207.45215458	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
417	88	64797	-96381.1413	848817.3170250766	39.20832228248406	-101.1394419	315277.780861134	43207.45215458	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
418	88	64798	-95721.1413	848817.3170250766	39.20832883	-101.1371137	315476.784667115	43207.45215458	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
419	88	64799	-95061.1413	848817.3170250766	39.2083352891687	-101.1347859	315679.845824917	43207.45215458	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
420	88	64800	-94401.1413	848817.3170250766	39.20834239049304	-101.1324572	315880.903117675	43207.45215458	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
421	88	64801	-93741.1413	848817.3170250766	39.20834943366555	-101.130129	316081.961723255	43205.9	328.961057159111	312.41363810719414	307.7090811296885	55.84782914
422	88	64802	-93001.1413	848817.3170250766	39.2083558583956	-101.1278008	316283.0174078725	43205.34187266	327.919949	308.479304656586	300.224124580745	54.637274860412
423	88	64803	-92421.1413	848817.3170250766	39.20836087853054	-101.1254726	316484.0734122046	43205.34187266	327.919949	308.479304656586	300.224124580745	54.637274860412
424	88	64804	-91761.1413	848817.3170250766	39.20836715350694	-101.1231444	316685.1035268203	43204.730552676	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
425	88	64805	-91011.1413	848817.3170250766	39.2083733831188	-101.1208161	316886.186960151	43204.730552676	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
426	88	64806	-90441.1413	848817.3170250766	39.2083795658477	-101.1184879	317087.242746387	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
427	88	64807	-89781.1413	848817.3170250766	39.20838580909624	-101.1161626	317289.26772481	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
428	88	64808	-89121.1413	848817.3170250766	39.2083918	-101.113815	317489.3540210296	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
429	88	64809	-88461.1413	848817.3170250766	39.20839785382109	-101.1115302	317690.401386578	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
430	88	64810	-87801.1413	848817.3170250766	39.20840385897069	-101.109175	317891.465578165	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
431	88	64811	-87141.1413	848817.3170250766	39.20840981914918	-101.1068468	318092.528	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
432	88	64812	-86481.1413	848817.3170250766	39.2084157345656	-101.1045186	318293.5792366152	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
433	88	64813	-85821.1413	848817.3170250766	39.208421678154	-101.1021904	318494.636286103	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
434	88	64814	-85161.1413	848817.3170250766	39.20842742965792	-101.0998621	318695.68555816	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
435	88	64815	-84501.1413	848817.3170250766	39.20843321051589	-101.0975339	318896.740616035	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
436	88	64816	-83841.1413	848817.3170250766	39.20843895	-101.0952057	319097.79447931156	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
437	88	64817	-83181.1413	848817.3170250766	39.208444635826346	-101.0929472	319298.846783005	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
438	88	64818	-82521.1413	848817.3170250766	39.20845028120679	-101.0905492	319499.02693307	43203.972	326.822243126414	304.30033120297	304.63547584351953	53.728895458768
439	88	64819	-81861.1413	848817.3								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
511	88	64891	-34341.14133	348917.3170250766	39.208740925620718	-100.2058979	3746.3821121907	341468.466083798	3908.7981948458596	2945.846003233296	2877.8243311714746	2877.2718763939535	60.02162715	68.57412638837603
512	88	64892	-33681.14133	348917.3170250766	39.2087434396337	-100.182596	34337.47243604095	341468.464523904	3904.400490869273	2945.269962	2880.19453035237	2879.5493503673415	67.07305938728314	65.72061210323644
513	88	64893	-33201.14133	348917.3170250766	39.208745516213824	-100.1915874	335784.70953406487	341468.464523904	3908.288977333995	2944.0668319505	2881.19172857671	2881.32796520003	62.7238519780504	63.68891371423585
514	88	64894	-32681.14133	348917.3170250766	39.2087474375954	-100.1931031	334779.50610330724	341468.461358614	3908.53588579063	2943.54965540233	2883.5496552516025	2882.878688105743	60.57611362040814	61.27001400106014
515	88	64895	-32101.14133	348917.3170250766	39.208749602633475	-100.19312749	334860.547110232	341468.460142407	3907.993391878967	2943.5587962346834	2884.05149246816	2883.5025341294067	59.50739431900183	60.05625311834273
516	88	64896	-31041.14133	348917.3170250766	39.2087520633567	-100.3089467	335181.587957523	341468.459105614	3906.627427763693	2942.9951460855737	2883.7804050871335	2883.6331919160565	52.7165549844015	59.3615671
517	88	64897	-30381.14133	348917.3170250766	39.20875415656609	-100.3066184	335382.62684369934	341468.458242287	3905.9631525944456	2942.4354886252623	2883.3079590848456	2883.263143396717	59.12735044041665	59.10917513
518	88	64898	-29271.14133	348917.3170250766	39.20875620242475	-100.3042902	335583.6691066857	341467.457072029	3907.000479521844	2941.8801366231623	2882.334407305666	2882.43906136973	59.4457298674576	59.44107525342952
519	88	64899	-28651.14133	348917.3170250766	39.20875820691165	-100.30491618	335784.70953406487	341467.457072029	3908.288977333995	2944.0668319505	2881.19172857671	2881.32796520003	60.520495918716785	60.520495918716785
520	88	64900	-28011.14133	348917.3170250766	39.20876015462675	-100.3096337	335985.7497388921	341468.456275293	3908.3314869733447	2940.78109050675	2879.3455852775095	2879.5125864302747	52.431055303255	52.431055303255
521	88	64901	-27741.14133	348917.3170250766	39.2087637770096	-100.3973054	336186.789737553	341468.456212536	3908.9681391355384	2940.27303062112	2875.0863652360267	2875.25040322373	65.1515653000172	64.8971784873902
522	88	64902	-27081.14133	348917.3170250766	39.20876394514166	-100.894972	336387.9226686813	341468.456520415	3907.621318537317	2939.699320219881	2871.21940300172	2871.340108	67.892097919707	67.892097919707
523	88	64903	-26421.14133	348917.3170250766	39.2087657691444	-100.8926489	336588.869394157	341468.458709005	3907.259307093157	2939.1653370567014	2867.3293041628	2867.3001722341008	71.7824004407322	71.86361472469343
524	88	64904	-25761.14133	348917.3170250766	39.20876754576944	-100.8903207	336789.980661837	341466.457269106	3907.933566514971	2938.6395551124947	2864.5112063409	2864.2464511562633	74.74129036522044	74.74129036522044
525	88	64905	-25011.14133	348917.3170250766	39.20876927862562	-100.8879364	336990.9484	341466.457486465	3907.5936759839665	2938.1112022610505	2864.887305	2864.514882352635	73.22371756881053	73.5903968630758
526	88	64906	-24441.14133	348917.3170250766	39.20877096510045	-100.8866462	337191.9871579045	341468.45808318	3907.251975358408	2937.59023260922	2864.80452538676	2864.633171486324	68.78570071404594	68.9576177350796
527	88	64907	-23781.14133	348917.3170250766	39.20877260942265	-100.8833359	337393.02670517785	341468.459587308	3907.92548557032	2937.073076606993	2873.950920397654	2873.9953903017501	63.12215914722992	63.12215914722992
528	88	64908	-23121.14133	348917.3170250766	39.20877420736347	-100.8810077	337594.0653603036	341468.460552115	3907.6051979544586	2936.587496454586	2878.7265233839237	2878.914134375457	57.64331217970396	57.64331217970396
529	88	64909	-22461.14133	348917.3170250766	39.20877576033247	-100.8786794	337795.104085579	341468.461950818	3907.28759142757443	2936.463697331794	2882.493612106871	2882.74470595993484	53.5527576269327	53.30167187444005
530	88	64910	-21801.14133	348917.3170250766	39.20877836239655	-100.8763512	337996.143	341462.46234418	3907.470628757605	2935.5340640217	2885.1999442752182	2885.404888418343	50.09341759207184	50.09341759207184
531	88	64911	-21141.14133	348917.3170250766	39.208780231355054	-100.8740229	338197.181479351	341468.460577507	3907.467737098516	2935.02706530017	2887.069081244204	2887.069081244204	49.78648165134255	49.78648165134255
532	88	64912	-20481.14133	348917.3170250766	39.2087801494083	-100.8718647	338398.2197762315	341468.460901714	3907.461372003996	2934.49950509007	2888.517238967077	2888.751762611474	45.98621903730044	45.724774626596805
533	88	64913	-19821.14133	348917.3170250766	39.2087816244036	-100.8693887	338599.2516976015	341468.462221807	3907.4685716760334	2934.49950509007	2888.517238967077	2888.751762611474	42.92845841452014	42.92845841452014
534	88	64914	-19161.14133	348917.3170250766	39.2087828500036	-100.8670282	338800.29590347194	341468.471113312	3907.4314565408	2933.399578259472	2890.961598332538	2891.3994481365553	42.4370949340928	42.00076883931946
535	88	64915	-18501.14133	348917.3170250766	39.20878413373487	-100.86471	339001.337303432	341468.474383762	3907.4373722468702	2932.7599611824326	2891.447828633765	2891.899197302283	41.21861326056054	40.770936801943
536	88	64916	-17841.14133	348917.3170250766	39.20878531904746	-100.8623817	339202.37140032253	341468.476034355	3907.7648112729103	2931.961429016922	2889.9250618347314	2890.4286903322462	40.3636718219059	41.53273869328623
537	88	64917	-17181.14133	348917.3170250766	39.20878656509926	-100.8600535	339403.4089136129	341468.4782391	3907.091818	2930.9477297094527	2885.9694746397044	2886.207582870855	40.07525069712304	40.07525069712304
538	88	64918	-16521.14133	348917.3170250766	39.208787713321904	-100.8577327	339604.4462704213	341468.481670551	3906.8148849	2929.789051616573	2881.379814383422	2881.163051	40.48019018	48.62500061313004
539	88	64919	-15861.14133	348917.3170250766	39.208788916877235	-100.8558389	339859.5447939815	341468.484978532	3906.76846478486	2928.561127447748	2879.1614781348664	2879.1614781348664	50.9192681128769	51.45484982692074
540	88	64920	-15201.14133	348917.3170250766	39.2087897485172	-100.8536862	340065.5205154049	341468.486921607	3906.44582419817	2928.4452350515628	2879.1614781348664	2879.1614781348664	52.5934578117185	52.5934578117185
541	88	64921	-14541.14133	348917.3170250766	39.20879088815888	-100.8507405	340207.5574039007	341457.491470316	3906.454796857388	2926.0271015578605	2875.65346035272	2875.65346035272	50.775552240842	51.088335627146016
542	88	64922	-13881.14133	348917.3170250766	39.20879185649419	-100.8484122	340408.594136912	341468.490595302	3906.80374305111	2924.739687307595	2875.0722525726246	2875.51164630714	43.68774617943084	42.880200996198
543	88	64923	-13221.14133	348917.3170250766	39.20879277985769	-100.846084	340609.6071347523	341468.498994775	3907.3031301607133	2923.407763901695	2878.7601709911674	2878.47289173179274	44.686993	45.0111990222411
544	88	64924	-12561.14133	348917.3170250766	39.20879365824934	-100.8435757	340810.6671367535	341456.503	3907.30373803634334	2922.13183614871	2880.22964426244	2880.1309992967676	41.90219118862706	42.0003631610323
545	88	64925	-11901.14133	348917.3170250766	39.208794461695955	-100.841271	341011.7035	341456.502704365	3907.734591197451	2920.813495574497	2881.03429801374	2881.03429801374	39.3624657123236	39.481973429191
546	88	64926	-11241.14133	348917.3170250766	39.208795291402665	-100.8388832	341212.7381597955	341456.502704365	3907.446571433236	2919.4867441433236	2881.03429801374	2881.03429801374	37.42874657250735	37.42874657250735
547	88	64927	-10581.14133	348917.3170250766	39.20879602359362	-100.836771	341413.7755736481	341456.519056789	3907.700303197451	2918.126547670227	2882.395476170227	2882.395476170227	35.8477966081074	35.8477966081074
548	88	64928	-9921.141327	348917.3170250766	39.208796722097895	-100.834427	341614.8113768045	341455.520058655	3906.479576555557	2916.824648	2882.796800271308	2882.79119120225	34.02784516579134	34.0945242348492
549	88	64929	-9261.141327	348917.3170250766	39.20879775630276	-100.8321145	341815.847058806	341456.52548486	3907.2912097565204	2915.482128481114	2883.8276982399776	2883.8276982399776	31.769514058512583	31.769514058512583
550	88	64930	-8601.141327	348917.3170250766	39.20879784190866	-100.8297862	342016.882058045	341454.530543027	3907.086662757455	2914.16302739255	2885.4811892	2885.38118852699	28.752103236504	28.752103236504
551	88	64931	-7941.141327	348917.3170250766	39.20879847719966	-100.827458	342217.9178620035	341458.535780651	3908.288977333995	2912.837316476553	2887.2890525873232	2887.3311556	25.62660328728533	25.62660328728533
552	88	64932	-7281.141327	348917.3170250766	39.20879960349642	-100.8251297	342495.930455398	341454.541197029	3908.04326744835	2911.516609909769	2889.43462307449	2889.5062341109124	22.0310347588712	22.0310347588712
553	88	64933	-6621.141327	348917.3170250766	39.2087998673961	-100.8228472	342701.9686212	341456.54650506	3908.288977333995	2910.398378983032	2889.5062341109124	2889.5062341109124	19.84644804804	19.84644804804
554	88	64934	-5961.141327	348917.3170250766	39.20879996871461	-100.8204372	342821.0229654793	341456.552567257	3908.04326744835	2910.398378983032	2889.5062341109124	2889.5062341109124	15.96890418713474	15.96890418713474
555	88	64935	-5301.141327	348917.3170250766	39.2088									

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevLogsK.T	BRiElevBothK.T	SatHtElevK.T	SatHtBothK.T
637	85	65017	48818.85867307335	484817.3170250766	39.208678776802806	-10.6272287	359506.404117123	4131195.655330904	2395.038056975081	2737.78980480916476	2741.3577751158814	347647395.2804578	32.43202978576619
638	88	65018	48747.85867307335	484817.3170250766	39.206675476244594	-10.6249005	3597.07742153796	4131191.676120844	2890.968170167557	2737.1586870013455	2733.3581726264746	348.8005591721979	34.2865273712919
639	88	65019	50138.85867307335	484817.3170250766	39.20667259381744	-10.6229722	35969.448703055	4131187.826829622	2890.121419797292	2736.538913487091	2733.3581726264746	38.21184391410241	35.2197289736259
640	88	65020	50798.85867307335	484817.3170250766	39.2066689501734	-10.620244	35969.448703055	4131183.78231931	2890.496253682285	2736.300396622825	2729.2284456718495	34.272658161550007	37.42079043813304
641	88	65021	51458.85867307335	484817.3170250766	39.206665111456335	-10.6179158	36030.14945659663	4131179.79554284	2890.875029736316	2767.3281585207164	2727.2187653379333	40.10939318278315	37.2545150981771
642	88	65022	52118.85867307335	484817.3170250766	39.20666158230233	-10.6155875	360511.516760222	4131176.70105709	2891.2519292032481	2765.726544276282	2725.168499183197	40.55804548948481	38.3072043338622
643	88	65023	52778.85867307335	484817.3170250766	39.20666080848743	-10.6132593	3601262.5388	4131171.78273529	2891.420678691743	2764.1196478691043	2722.880845376331	40.2380247250307	39.3626178758481
644	88	65024	53438.85867307335	484817.3170250766	39.20665439770094	-10.610931	36013.5676135466	4131167.40493123	2891.3808131407613	2762.5007049495904	2722.5007049495904	41.62099713477902	39.9804891487788
645	88	65025	54098.85867307335	484817.3170250766	39.206650725942856	-10.6086928	36114.56255704166	4131163.826829622	2890.2665116284363	2762.5007049495904	2722.5007049495904	41.62099713477902	39.9804891487788
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647	88	65027	55418.85867307335	484817.3170250766	39.206432351208	-10.6039463	36116.62574547844	4131157.1236255	2890.847599723885	2757.5518094785484	2717.384114264578	41.62099713477902	39.9804891487788
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656	88	65036	61358.85867307335	484817.3170250766	39.2060745648224	-10.5829922	363325.8134855055	4131120.08792024	2867.4292257796187	2743.1266222967244	2701.240695540371	41.62099713477902	39.9804891487788
657	88	65037	62018.85867307335	484817.3170250766	39.2060332306582	-10.5806339	363526.83682313566	4131116.10496891	2862.62034818532	2741.626539455258	2699.0112233234556	41.62099713477902	39.9804891487788
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660	88	65040	63998.85867307335	484817.3170250766	39.2059193728771	-10.5737692	364129.835	4131104.17562709	2850.47706337753	2737.3419166544	2694.4532955705	41.62099713477902	39.9804891487788
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662	88	65042	65318.85867307335	484817.3170250766	39.2058516141169	-10.5690228	364531.932690874	4131096.2281634	2843.90417840693	2734.57073778837	2691.6340300125	41.62099713477902	39.9804891487788
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675	88	65055	73898.85867307335	484817.3170250766	39.2051901582824	-10.5387557	367145.174660343	4131044.571	2807.719481674392	2717.996621096623	2664.2549530080633	41.62099713477902	39.9804891487788
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682	88	65062	78518.85867307335	484817.3170250766	39.204835194384	-10.5224581	368552.2963540799	4131016.72374306	2799.705251966237	2709.62860460629	2663.479381516364	41.62099713477902	39.9804891487788
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684	88	65064	79838.85867307335	484817.3170250766	39.20								

ix	iy	ic13	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevKgs.ft	BRRElevBothKgs.ft	SatHtElev.ft	SatHtBoth.ft
23	89	65143	-356421.1413	850477.3170250766	39.20405694649523	-102.0567296	236048.95681393292	4343874.179087594	3983.953262031745	3805.5512567898368	3725.7067988495565	3725.622933132826	80.4444814028024	80.92835248
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25	89	65145	-355141.1413	850477.3170250766	39.20410252581327	-102.0520738	236451.245677785	4343865.980264634	3983.168194186154	3803.103821831265	3723.628698565832	3723.521051965495	79.47825117	79.7627696557466
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28	89	65148	-353121.1413	850477.3170250766	39.2041778072966	-102.0450902	237054.6772344882	4343853.72840457	3968.28963392456	3787.627594529537	3719.04263891793	3718.962833720751	78.64385173427051	78.64385173427051
29	89	65149	-352461.1413	850477.3170250766	39.20420184847446	-102.0427623	237255.82004019957	4343849.638817088	3965.58756937041	3796.113421646262	3717.115660579656	3716.5848576526205	78.97897106660262	79.5285633981341
30	89	65150	-351801.1413	850477.3170250766	39.20422583735818	-102.0400434	237456.9638131687	4343845.54941471	3963.485474814336	3794.346401622004	3714.937020291913	3713.9459702091913	78.89760236340015	80.9964314226113
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35	89	65155	-348501.1413	850477.3170250766	39.20434512487382	-102.0287948	238462.67498526818	4343825.105143389	3954.826734011638	3785.423437	3703.660151321157	3703.660151321157	82.0783563682567	82.0783563682567
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38	89	65158	-346521.1413	850477.3170250766	39.20441615784263	-102.021811	239066.09853712142	4343812.460780147	3953.84900258828	3780.03800305332	3697.287006958337	3701.693138449645	82.7516389093041	78.745751556806
39	89	65159	-345861.1413	850477.3170250766	39.20443974557637	-102.0194832	239267.23935870174	4343808.753025989	3953.14194883492	3778.2424163742417	3696.090901649558	3699.029677943997	83.1515170293867	79.2125487849195
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41	89	65161	-344541.1413	850477.3170250766	39.20448678615985	-102.0148274	239669.5199350034	4343806.570866441	3952.315286	3774.65139824804	3690.35822923777	3691.729363024714	84.29257091902673	82.92230081809066
42	89	65162	-343881.1413	850477.3170250766	39.20451023090044	-102.0124994	239870.65992356822	4343807.490901461	3951.78442750844	3772.658845206655	3687.884713666928	3690.549686737116	84.7017058337763	82.3902226469531
43	89	65163	-343221.1413	850477.3170250766	39.2045336489766	-102.0101715	240071.79995711557	4343792.40389561	3950.25046703516	3771.069579324504	3685.007808551855	3689.1306343164186	84.7017058337763	81.9398501124305
44	89	65164	-342561.1413	850477.3170250766	39.2045570092431	-102.0078436	240272.9931014674	4343788.371	3947.770563097135	3769.284416325495	3684.1750138220942	3684.1750138220942	85.1292517318577	85.1292517318577
45	89	65165	-341901.1413	850477.3170250766	39.20458037278844	-102.005478	240474.6781026912	4343784.0345291291	3945.289078481154	3767.543047841257	3683.03404582106	3683.03404582106	85.1292517318577	85.1292517318577
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47	89	65167	-340581.1413	850477.3170250766	39.20462682883487	-102.0008598	240876.3507920218	4343776.058	3940.261053173237	3763.64090972991	3673.2256472881944	3666.631420406287	86.7343837	93.3236756672322
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51	89	65171	-337941.1413	850477.3170250766	39.20471929138152	-1.9915816	241680.967123754	4343761.64257787	3931.423561462799	3756.99544286236	3665.12165133404	3663.710341503913	91.86889271368971	93.290271354492516
52	89	65172	-337281.1413	850477.3170250766	39.20474229461812	-1.9892202	241892.45057146959	4343755.8984108	3930.05678095	3755.770548945874	3663.770548945874	3663.770548945874	91.86315585512224	91.86315585512224
53	89	65173	-336621.1413	850477.3170250766	39.2047652588929	-1.9869823	242083.1821766968	4343751.54393524	3932.6810202148663	3753.577719931083	3662.78472602064	3660.2749935159204	90.7930523247992	113.30278611516588
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56	89	65176	-334641.1413	850477.3170250766	39.204833857930836	-1.9799904	242686.5919521696	4343739.378220229	3931.041136100606	3749.3436635355	3659.4385118361347	3642.325467182652	89.1374024741883	106.2594683730146
57	89	65177	-333981.1413	850477.3170250766	39.20485666353536	-1.9777858	242887.7289092184	4343735.20476029	3929.325479	3748.942155735937	3658.38910872448	3635.05094291314	87.90074856	113.9006814023389
58	89	65178	-333321.1413	850477.3170250766	39.20487932914852	-1.9755276	243089.936395922	4343731.12048629	3927.45137752099	3745.32749782575	3657.164275155887	3632.521252	87.90074856	113.9006814023389
59	89	65179	-332661.1413	850477.3170250766	39.20490258313735	-1.9732826	243289.9994043068	4343728.33694868	3925.7188383749	3743.702581413563	3656.7140725272146	3631.1429803816974	87.0068078884811	112.5776124651887
60	89	65180	-332001.1413	850477.3170250766	39.2049247185036	-1.9710597	243491.1347591908	4343722.95485579	3921.958122049708	3742.134333511686	3655.63476978818	3632.075387974745	86.065863255049	110.0560453569408
61	89	65181	-331341.1413	850477.3170250766	39.20494730042735	-1.9688287	243692.682863198	4343718.88759459	3919.518747524441	3740.5538767355156	3654.3497290037462	3629.6737266771	86.2047137176935	110.0560453569408
62	89	65182	-330681.1413	850477.3170250766	39.20496854036825	-1.9665948	243893.4045343506	4343714.785	3915.336683991422	3738.9861702029193	3652.8828518089144	3621.491315622195	86.1633183940487	117.4949603609083
63	89	65183	-330021.1413	850477.3170250766	39.20499232686655	-1.9643612	244094.5391913208	4343710.1765555	3913.30516343795	3737.99243515319	3650.79243515319	3619.436994702297	86.1633183940487	117.4949603609083
64	89	65184	-329361.1413	850477.3170250766	39.2050142637396	-1.9621249	244295.6734945422	4343706.619	3906.39397503957	3735.873483376923	3647.972742	3626.274924124893	87.90074856	106.601021780005
65	89	65185	-328701.1413	850477.3170250766	39.20503614933771	-1.9598982	244496.7881454847	4343702.348487	3904.50381159589	3734.80537901816	3646.124269534562	3624.124269534562	87.90074856	106.601021780005
66	89	65186	-328041.1413	850477.3170250766	39.205059618861426	-1.9576629	244697.9413045372	4343698.45287478	3902.718355251306	3732.770006913908	3640.273391697844	3624.1588112149823	87.90074856	106.601021780005
67	89	65187	-327381.1413	850477.3170250766	39.20508194766141	-1.9554301	244899.074	4343694.370246796	3900.6584781737376	3731.2133340872224	3635.1547537175475	3617		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
149	89	65269	-273261.1413	850477.3170250766	39.206759880936886	-101.7634042	261391.18426169947	4343360.216858207	3688.992140974229	3586.176884310588	3547.264736687929	3550.3932663671885	38.912147285872	35.7836205
150	89	65270	-272801.1413	850477.3170250766	39.20677849481039	-101.7610762	261592.2915727423	4343336.154935544	3691.8311558738825	3584.2688547746484	3544.99187160303917	3547.639481126175	37.2073684256695	36.6290066203086
151	89	65271	-272181.1413	850477.3170250766	39.20677934661814	-101.7589161	261793.41654601828	4343352.98115398	3690.681590367584	3582.234892386323	3543.161983336822	3544.76596967299	38.96183462	37.4576835535352
152	89	65272	-271281.1413	850477.3170250766	39.2068155346007	-101.7564201	2619494.533	4343340.015714685	3685.524115074685	3580.084157126177	3541.42412102156693	3547.639481126175	38.66274691051785	38.43907699202563
153	89	65273	-270621.1413	850477.3170250766	39.20683041533619	-101.754092	262195.638888026	4343343.984102403	3680.4026813533414	3577.881723816958	3541.9036873615128	3547.639481126175	38.66274691051785	38.43907699202563
154	89	65274	-269961.1413	850477.3170250766	39.206825432246485	-101.7516739	262396.7482063025	4343343.984102403	3675.6381976390543	3573.382216196823	3543.382216196823	3547.639481126175	38.66274691051785	38.43907699202563
155	89	65275	-269301.1413	850477.3170250766	39.20687080419087	-101.7494359	262597.860289566	4343335.815	3670.3922576855616	3573.36795341131	3544.99187160303917	3547.639481126175	38.66274691051785	38.43907699202563
156	89	65276	-268641.1413	850477.3170250766	39.20688913116935	-101.7471078	262798.9271380905	4343343.984102403	3665.787813713424	3571.080962425433	3546.451651960525	3547.639481126175	38.66274691051785	38.43907699202563
157	89	65277	-267981.1413	850477.3170250766	39.20690471318186	-101.7447197	263000.063570781	4343327.682264278	3661.1871700571222	3568.783479687113	3546.284892023954	3547.639481126175	38.66274691051785	38.43907699202563
158	89	65278	-267321.1413	850477.3170250766	39.2069255022837	-101.7424616	263201.195131738	4343323.61260782	3656.479754498949	3562.165554686901	3552.165554686901	3547.639481126175	38.66274691051785	38.43907699202563
159	89	65279	-266661.1413	850477.3170250766	39.20694382420874	-101.7401238	263402.3602772689	4343323.61260782	3650.18036055126	3564.17369631303	3557.298212130458	3557.298212130458	38.66274691051785	38.43907699202563
160	89	65280	-266001.1413	850477.3170250766	39.20696198943232	-101.7377955	263603.417288518	4343315.48479859	3641.974479494949	3561.868327144155	3562.894290823538	3563.80065681341	38.66274691051785	38.43907699202563
161	89	65281	-265341.1413	850477.3170250766	39.20698090158063	-101.7354674	263804.527967491	4343311.419342436	3633.78585293485	3559.56428300455	3564.724008780897	3567.713575794754	0	0
162	89	65282	-264681.1413	850477.3170250766	39.20699814676282	-101.7331393	264005.6384111374	4343307.35408357	3625.56246373821	3557.2648703548816	3558.556981394199	3558.556981394199	38.66274691051785	38.43907699202563
163	89	65283	-264021.1413	850477.3170250766	39.20701616097886	-101.7308113	264206.7468222007	4343307.35408357	3623.6121717036887	3554.97105820564	3552.563488978978	3553.589958	2.40759622595688	0
164	89	65284	-263361.1413	850477.3170250766	39.207034138228695	-101.7284832	264407.858602032	4343299.224067199	3628.564742202297	3552.81581473703	3547.145113155985	3559.6204572033434	5.336417017718122	0
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166	89	65286	-262041.1413	850477.3170250766	39.20706927263636	-101.723827	264810.7187567893	4343291.049793295	3623.370306933506	3548.11656654421	3534.32272475566	3538.12772	9.783944178855124	9.988844191981116
167	89	65287	-261381.1413	850477.3170250766	39.207087760180656	-101.7214898	265011.1871376028	4343287.0343258	3623.370306933506	3545.80643954128	3530.282044316404	3533.130862222073	15.55861952748774	12.710577732120782
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172	89	65292	-258081.1413	850477.3170250766	39.20717624744019	-101.709585	266016.7030570792	4343266.711354869	3606.4532820587	3534.53148962271	3523.57585770853	3531.4418626716906	9.15524361147872	3.089296229058746
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174	89	65294	-256761.1413	850477.3170250766	39.20721132757873	-101.7052023	266418.945604533	4343258.544999577	3598.2106825569	3530.040842691033	3522.3299201760624	3529.7651501150613	7.19022514967933	0.7799617596902844
175	89	65295	-256101.1413	850477.3170250766	39.20722800198195	-101.7028742	266620.5302037024	4343254.52295313	3598.81799246008	3527.80125416593	3519.5582328436535	3528.500365988815	6.1324221231803553	0
176	89	65296	-255441.1413	850477.3170250766	39.20724622785104	-101.7005462	266821.160228517	4343250.49	3604.135321970388	3525.56520403344	3516.53692963465	3525.706244948385	5.022776224	0
177	89	65297	-254781.1413	850477.3170250766	39.20726361933723	-101.6986218	267022.2671951975	4343246.39834994	3608.458947401683	3523.039633634251	3513.540730418159	3525.792837990557	9.78182361609201	5.755581333128703
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180	89	65300	-252801.1413	850477.3170250766	39.2073154879578	-101.6912338	267625.5867136795	4343232.310307486	3604.135321970388	3525.56520403344	3513.540730418159	3525.792837990557	9.78182361609201	5.755581333128703
181	89	65301	-252141.1413	850477.3170250766	39.20733269161512	-101.6889057	267826.6927603386	4343230.148	3628.7925427863385	3514.43498349347	3503.385176622586	3524.93435863144	11.049806971088549	0
182	89	65302	-251481.1413	850477.3170250766	39.207349849467676	-101.6865776	268027.7897758945	4343226.0867855	3623.370306933506	3541.301595	3527.2508145504867	3530.814914899533	12.710664173409	8.15664596159082
183	89	65303	-250821.1413	850477.3170250766	39.20736696	-101.6842498	268228.904763567	4343222.05421332	3618.035452494904	3540.017085167666	3497.955911764423	3525.96158489471	12.06145340321558	0
184	89	65304	-250161.1413	850477.3170250766	39.20738402322299	-101.6819214	268430.9052468303	4343217.96415997	3610.90451	3537.8215500275653	3526.2003292594	3526.2003292594	9.78182361609201	5.755581333128703
185	89	65305	-249501.1413	850477.3170250766	39.20740103224245	-101.6795933	268631.1146563805	4343213.903074839	3603.32198343024	3532.2804949838587	3524.708847347137	3530.556372171716	7.87557837167197	1.727722666871305
186	89	65306	-248841.1413	850477.3170250766	39.20741803120932	-101.6772652	268832.219566038	4343209.842174856	3603.32198343024	3532.2804949838587	3524.708847347137	3530.556372171716	7.87557837167197	1.727722666871305
187	89	65307	-248181.1413	850477.3170250766	39.20743581745703	-101.6749371	269033.242288846	4343205.78145703	3603.32198343024	3532.2804949838587	3524.708847347137	3530.556372171716	7.87557837167197	1.727722666871305
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189	89	65309	-246861.1413	850477.3170250766	39.20746889536265	-101.6702809	269435.5328921129	4343197.661	3605.705869776913	3546.971512947951	3548.166148138287	3531.99915150341576	8.00363434122714	0
190	89	65310	-246201.1413	850477.3170250766	39.20748549347968	-101.6678786	269639.6369	4343193.00369489	3605.705869776913	3546.971512947951	3548.166148138287	3531.99915150341576	8.00363434122714	0
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192	89	65312	-244881.1413	850477.3170250766	39.20751895481129	-101.663295	270038.8441771786	4343185.164296263	3605.705869776913	3546.971512947951	3548.166148138287	3531.99915150341576	8.00363434122714	0
193	89	65313	-244221.1413	850477.3170250766	39.20753651802816	-101.660984	270239.9474850454	4343181.42097518	3605.705869776913	3546.971512947951	3548.166148138287	3531.99915150341576	8.00363434122714	0

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kf	BR/ElevBoth.kf	SatThkLogs.f	SatThkBoth.f
275	89	65395	-190101.1413	850477.3170250766	39.20874897569016	-101.47006	286729.6654136721	432489.150785833	3516.6931458183144	3318.719018674919	3331.199743606879	3330.976558665034	0	0
276	89	65396	-18941.1413	850477.3170250766	39.20676159053092	-101.4677318	286930.7505819717	432485.10625401	3512.088174679174	3316.472219799477	3329.512155922656	3326.805512120845	0	0
277	89	65397	-186291.1413	850477.3170250766	39.20677479240217	-101.4654036	287131.8356401364	432481.619948468	3507.482305359217	3314.231801761302	3327.546181909927	3322.861465278508	0	0
278	89	65398	-18841.1413	850477.3170250766	39.20676763330396	-101.4630755	287332.9028678267	432480.171772039	3502.8782324007248	3311.99670202095	3325.390155207078	3321.054083883363	0	0
279	89	65399	-187461.1413	850477.3170250766	39.208800429236135	-101.4607473	287534.0048276832	432482.973737089	3498.696919126873	3309.7696721422885	3322.888057159593	3319.8091426529654	0	0
280	89	65400	-186801.1413	850477.3170250766	39.2081318019679	-101.4584191	287735.0891573756	432480.6292902623	3494.9470420750803	3307.535598109223	3320.0459593154837	3317.85797612107	0	0
281	89	65401	-186141.1413	850477.3170250766	39.20820588619183	-101.4560909	287936.1732779937	432482.884	3491.194572	3305.301446047526	3316.1315273799873	3319.4596489422	0	0
282	89	65402	-185481.1413	850477.3170250766	39.2083854771526	-101.4537627	288137.2571896212	432480.824856101	3487.4421024205517	3303.160202909898	3311.7997593040745	3311.243920367809	0	0
283	89	65403	-184621.1413	850477.3170250766	39.20865116326935	-101.4514545	288338.3408925656	432481.9984948	3484.1203647619505	3300.9186959518	3306.868445731104	3308.1567168743314	0	0
284	89	65404	-184161.1413	850477.3170250766	39.2089873435316	-101.4491053	288539.42438074765	432481.755054055	3478.22935289455	3298.843181759593	3305.93422913689	0	0	
285	89	65405	-183501.1413	850477.3170250766	39.2087626046762	-101.4467781	288740.5076327133	432480.813082305	3473.338354	3296.718341308307	3298.043434	3304.11459403701	0.301199913259442226	0
286	89	65406	-182841.1413	850477.3170250766	39.2088884161232	-101.444449	288941.5907512966	432480.670888435	3468.44736316252	3294.91462535988	3294.3174934033937	3303.4874455776244	0.301199913259442226	0
287	89	65407	-182181.1413	850477.3170250766	39.208901177787325	-101.4421217	289121.670231	432480.52360169	3463.235257936165	3292.5470316714786	3291.0564439127734	3301.593160325613	1.490587759	0
288	89	65408	-181521.1413	850477.3170250766	39.2091335698993	-101.4397935	289343.7564	432479.6	3457.702081659025	3290.5309884419557	3288.2733826393014	3301.624300266244	2.2306050582642814	0
289	89	65409	-180861.1413	850477.3170250766	39.20895915234104	-101.4374683	289544.6389390036	432479.7543815774	3452.168905678426	3288.4920301247676	3285.110126864565	3300.522494852697	3.381901438320279	0
290	89	65410	-180201.1413	850477.3170250766	39.20938271649971	-101.4351731	289745.3210867376	432478.5011621692	3446.635726997813	3286.511973090893	3281.68671196589	3296.3281600157643	4.820925343101266	0
291	89	65411	-179561.1413	850477.3170250766	39.20965047279551	-101.4328089	289947.003712747736	432478.846	3443.2526314383927	3284.6710501885815	3277.6850237202027	3282.673300433568	6.0856468369706	1.897519745015415
292	89	65412	-178881.1413	850477.3170250766	39.2096268412144	-101.4304807	290148.085	432478.014377715	3442.0274110678474	3282.667402676035	3273.5631341238472	3280.786033041393	8.10506413756225	2.18116946626015
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294	89	65414	-177561.1413	850477.3170250766	39.20896891863635	-101.4258243	290550.2480092053	432477.356295265	3439.57107707773	3278.9846889147785	3264.2386044271566	3280.46648762188	17.4266048762188	69.74170325182687
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRElevKgs.f	BRElevBoth.f	SatHtBoth.f	
401	89	55521	-106941.1413	850477.3170250766	39.10020411977991	-101.1767027	312064.8103750532	432430.96629041	3304.0316936015247	3137.7803672220875	3084.712846952829	3091.7398104101517	33.07620269258694	46.04098611035805
402	89	55522	-106921.1413	850477.3170250766	39.10031342459995	-101.1743744	31265.8707051796	432336.364569816	3304.0169714869562	3135.0388345307605	3082.974399273799	3089.69693333084	32.06443537300765	45.3418131374822
403	89	55523	-106921.1413	850477.3170250766	39.10036938649476	-101.1729462	312466.30851188	432332.92323744	3303.4007609640736	3132.3157424831147	3081.280735899277	3088.9857098311183	31.03496126319705	43.67911602200841
404	89	55524	-106941.1413	850477.3170250766	39.1004577842442	-101.1697179	312667.99081328235	432330.18360713325	3302.18306118477038	3129.617048057186	3079.64108427839	3079.642622900304	39.6318422329062	41.7764874055164
405	89	55525	-106941.1413	850477.3170250766	39.10052908028727	-101.1673896	312689.0509916688	432324.8084475218	3300.9635627854036	3126.823618240734	3078.7274224240397	3086.340528959825	48.64567600033706	39.10219728051474
406	89	55526	-106941.1413	850477.3170250766	39.10060992661186	-101.1650614	313070.1101865502	432320.859427212	3300.174763736094	3124.250439631764	3076.781845	3080.0473486265117	45.33588930206595	39.20608534166475
407	89	55527	-102981.1413	850477.3170250766	39.1006703201167	-101.1627331	313271.1696981327	432318.83806736	3298.175809179206	3121.60189578489	3075.19128694039	3085.04769409329	45.71309579042399	39.1917758168187
408	89	55528	-102321.1413	850477.3170250766	39.1007407201017	-101.160448	313427.2882662604	432312.816802728	3296.257599	3118.966275414369	3073.250846066284	3078.254944	45.713095074075	40.71131794219404
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413	89	55533	-99621.1413	850477.3170250766	39.10103825877246	-101.1487634	314477.5222981246	432298.28171479125	3288.2981217419725	3106.0334517654967	3064.332722597927	3067.333468501044	41.29697346770926	39.2194321339525
414	89	55534	-98361.1413	850477.3170250766	39.1011505072918	-101.1464352	314678.5803640326	432288.694792743	3287.03706083347	3103.497334124934	3062.7405407184074	3065.40751938870	40.75679340652641	38.3972573906309
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416	89	55536	-97041.1413	850477.3170250766	39.101210387	-101.1477786	315080.696187674	432280.69582868	3285.3214655621	3098.4811211737	3059.616554746714	3061.6320772030567	38.86156657033515	36.84904399861036
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419	89	55539	-95001.1413	850477.3170250766	39.101448	-101.1347938	315683.86841427855	432268.60289158	3282.353778321922	3091.07596521797	3055.040376	3056.403198052862	34.6724696216447	35.69546633066434
420	89	55540	-94461.1413	850477.3170250766	39.1015446	-101.124655	315884.9254610785	432264.584372049	3279.87166	3088.634564565483	3053.428293506528	3054.712677511797	35.2062621483052	33.9182705430362
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422	89	55542	-93081.1413	850477.3170250766	39.101672058994	-101.12789	316287.0390151797	432256.347568983	3274.907421137847	3083.782222137	3049.9317014111276	3050.55419983529	33.917020711605919	37.3228162479396
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425	89	55545	-91101.1413	850477.3170250766	39.1018605594824	-101.1208241	316890.207895811	432214.4444444444	3265.024573203316	3043.4363182266857	3043.970450526634	33.1320407663039	32.59789140652696	32.59789140652696
426	89	55546	-90401.1413	850477.3170250766	39.10192241185894	-101.1184958	317091.263963952	432210.47297211	3261.567861120671	3047.176791387995	3041.4633617197	3041.4633617197	32.71597079803	32.445324351831
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441	89	55561	-80541.1413	850477.3170250766	39.1027962238013	-101.0835716	320107.0820912038	432180.23809348	3219.599077163783	3037.4726102465856	3005.335825760897	3004.7008719761268	32.173684785191	32.701738485
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443	89	55563	-79221.1413	850477.3170250766	39.102913940638	-101.0791827	320512.919681684	432172.3819410323	3215.23819216329	3032.23819216329	3000.458355620654	3002.161406350044	34.3245720431811	32.62200124155015
444	89	55564	-78561.1413	850477.3170250766	39.1029588	-101.0765867	320710.2400395511	432168.195014785	3213.87644834343	3029.14871765245	3000.458355620654	3002.161406350044	34.3245720431811	32.62200124155015
445	89	55565	-77901.1413	850477.3170250766	39.1030321508357	-101.0742584	320911.2935376297	432164.181048578	3212.305789579293	3026.173580975923	2976.042552219613	2993.19062181338	30.513028	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
527	89	65647	-23781.14133	850477.3170250766	39.1058529204429	-100.883338	373797.0289991165	4148335.647926611	3080.336934585918	2879.88660210047	2873.753809866787	2873.9449507904278	62.13795743259976	62.941651900619036
528	89	65648	-23721.14133	850477.3170250766	39.1058689002568	-100.881097	373598.0677430175	4148151.648840515	3079.83796640115	2936.36650429177	2877.4457545353344	2877.7095846341232	58.916749738242695	58.66575795054494
529	89	65649	-23661.14133	850477.3170250766	39.1058843934313	-100.786893	373799.1869126025	4148127.6502020991	3079.338793630245	2935.8461184	2880.7217090562936	2881.12338697379484	54.819123346090499	54.781923346090499
530	89	65650	-21801.14133	850477.3170250766	39.10589951069615	-100.876531	338000.144750715	4148037.6513374215	3078.839730524994	2883.26517234861	2883.365694308756	2883.6473459106	51.916749738242695	51.67261264
531	89	65651	-21411.14133	850477.3170250766	39.1059191413217	-100.8740248	338201.1830256346	414819.6525343304	3078.32827017643	2934.791550474662	2883.99069938417	2885.6861225564735	49.29948054	49.12342791849278
532	89	65652	-20481.14133	850477.3170250766	39.1059283222175	-100.8716965	338402.211713149327	414815.6545387178	3077.788218601231	2934.2462807061684	2886.952929363624	2887.2585515777951	47.286910805924	46.98772382821686
533	89	65653	-19821.14133	850477.3170250766	39.1059420533839	-100.869382	338603.259899185375	414811.6563635272	3077.2535670278303	2933.6750625784626	2887.967007390702	2888.3167355458	45.70805518794077	45.36337503312641
534	89	65654	-19161.14133	850477.3170250766	39.1059553346207	-100.867039	338804.2966898176	414807.6536398178	3076.7189154572326	2933.057314	2888.702873645725	2889.115953953718	44.54439662347535	44.04571813244729
535	89	65655	-18501.14133	850477.3170250766	39.1059681652775	-100.864716	338905.3345829777	414803.656811538	3075.674214	2932.585841782587	2889.2183385701563	2889.6102164138405	41.3885657479484	41.3885657479484
536	89	65656	-17841.14133	850477.3170250766	39.10598054450514	-100.862383	339206.320119305	414799.653004367	3074.119461011803	2931.53705024675	2889.246110537572	2889.590529823624	44.296043870171	44.5471751231639
537	89	65657	-17181.14133	850477.3170250766	39.1059925	-100.860055	339407.40933840297	414787.65557467	3074.573832	2882.621953214608	2882.787218589295	2883.79137369125	47.78671335000481	47.78671335000481
538	89	65658	-16521.14133	850477.3170250766	39.10600396327116	-100.857277	339608.44650834214	414791.668	3071.0099575142603	2929.491325645717	2878.1406183375525	2878.0295179018817	51.35070738020917	51.46180774387994
539	89	65659	-15861.14133	850477.3170250766	39.106014990596	-100.8553893	339809.4835220077	414787.61260988	3070.276539971466	2928.3414852947656	2873.20549247656	2872.651597488466	55.6797923	55.6797923
540	89	65660	-15201.14133	850477.3170250766	39.1060255791185	-100.85307	340010.5207961001	414783.673171866	3070.364569293934	2927.15241915332	2869.4868210182538	2868.949300506469	58.629914088638	58.629914088638
541	89	65661	-14541.14133	850477.3170250766	39.1060357124474	-100.8507417	340211.5507813071	414779.678	3070.4523738972034	2925.8903718010586	2869.794482355398	2869.6923448545518	56.0923234456909	57.011073532483
542	89	65662	-13881.14133	850477.3170250766	39.1060453904045	-100.848134	340412.59382743504	414775.81131801	3070.540290480915	2924.1613774027464	2870.1613774027464	2871.6222473767693	53.014003373449	53.014003373449
543	89	65663	-13221.14133	850477.3170250766	39.10605462991595	-100.846051	340613.8001808636	414771.68480846	3070.8332646780067	2923.365569046103	2874.688156639217	2874.424845807279	48.6774132653937	48.94027490731144
544	89	65664	-12561.14133	850477.3170250766	39.1060634140554	-100.8437568	340814.6662534533	414771.6306758556	3072.031306758556	2922.081305777273	2876.621475073982	2876.45925729301156	45.527178865790	45.527178865790
545	89	65665	-11901.14133	850477.3170250766	39.1060717484692	-100.8414285	341015.704233374	414771.698219508	3070.8729345048248	2920.785678991255	2877.8906405973316	2877.910988118825	42.8950338932364	42.8748017366806
546	89	65666	-11241.14133	850477.3170250766	39.1060796331487	-100.8391002	341216.7263393279	414759.696021914	3070.372383	2919.4796677418075	2875.42894286666	2876.029009373829	40.8596136247857	40.8596136247857
547	89	65667	-10581.14133	850477.3170250766	39.106087068098	-100.8367719	341417.77413011144	414751.7016882	3070.373609918503	2918.1682844159278	2879.209557174567	2879.2749701071257	38.958263846786	38.958263846786
548	89	65668	-9961.141327	850477.3170250766	39.106094531387	-100.8344436	341618.809745557	414751.70514506	3070.0480247918684	2916.8544710279	2879.965797176622	2879.965958910121	36.893745411569	36.8980751
549	89	65669	-9341.141329	850477.3170250766	39.1061038574212	-100.831914	341826.0547584654	414723.743	3069.03456617856	2914.827175612348	2885.1072172329	2885.1072172329	32.285665404345	32.285665404345
550	89	65670	-8601.141327	850477.3170250766	39.10611067	-100.829787	342020.808516806	414743.715341331	3064.676554324634	2914.2260707805704	2884.27658695558	2884.207355517035	29.943840482487	30.0187112486838
551	89	65671	-7941.141327	850477.3170250766	39.1061123105992	-100.827487	342221.91567136933	414720.732047928	3062.720733442893	2912.9147509326667	2887.5510664007677	2887.5509830502653	26.953957428196	26.953957428196
552	89	65672	-7281.141327	850477.3170250766	39.1061174968997	-100.8251304	342422.9507	414733.725691024	3060.49407338903	2911.607594952637	2891.63114886321	2891.77365054549	24.964705982737	24.964705982737
553	89	65673	-6621.141327	850477.3170250766	39.106122334702	-100.822801	342623.985195244	414731.73114318	3068.267143913615	2910.36602424303	2895.58030512583	2895.82148990813	17.4265191179828	17.4265191179828
554	89	65674	-5961.141327	850477.3170250766	39.106126253108	-100.820437	342825.002136997	414727.736755101	3068.047622840325	2909.013573659394	2893.103474181083	2893.0942047375084	15.9190947885052	15.9190947885052
555	89	65675	-5301.141327	850477.3170250766	39.1061338574212	-100.818454	343026.0547584654	414723.743	3068.03456617856	2907.79866162818	2897.640873333504	2897.640873333504	13.285665404345	13.285665404345
556	89	65676	-4641.141327	850477.3170250766	39.10614373480204	-100.815871	343227.089142368	414719.74583294	3064.13107107594	2894.171854494957	2894.79187047952	2894.79187047952	11.253785842398	11.253785842398
557	89	65677	-3981.141327	850477.3170250766	39.106136682455	-100.8134888	343428.1233707223	414717.76405387	3065.467362521514	2905.200048128287	2897.019692847871	2897.019692847871	9.261108434101	9.261108434101
558	89	65678	-3321.141327	850477.3170250766	39.1061391703734	-100.8111605	343629.157462498	414711.75345878	3061.68334167096	2903.954946999783	2897.5521957508167	2897.2898301647815	7.3633751792133	7.3633751792133
559	89	65679	-2661.141327	850477.3170250766	39.1061412085641	-100.808332	343830.1914	414707.767552533	3049.149586617564	2902.7217	2869.882104537187	2869.6664681672582	5.23899513728314	5.23899513728314
560	89	65680	-2001.141327	850477.3170250766	39.1061427970251	-100.805039	344031.2252	4147103.74294768	3047.866171973521	2901.5002406176525	2867.701635484967	2868.005257631974	3.39479201078337	3.39479201078337
561	89	65681	-1341.141327	850477.3170250766	39.1061438557575	-100.804179	344232.258800509	414699.78126227	3046.828185692279	2896.23431200005	2866.58721048588	2866.58721048588	1.7473237636906	1.7473237636906
562	89	65682	-681.141327	850477.3170250766	39.10614462475654	-100.801947	344436.2927584654	414695.78181908	3045.291684749615	2895.040890258287	2866.1072172329	2866.1072172329	0.285665404345	0.285665404345
563	89	65683	-1.14132693	850477.3170250766	39.1061449654775	-100.799519	344634.32560105296	414683.9514803	3042.532201570206	2897.884138711315	2864.657652746215	2864.657652746215	0.285665404345	0.285665404345
564	89	65684	338.85867303514	850477.3170250766	39.1061445356834	-100.7971907	344835.3588	414687.803	3038.291697964862	2896.68532220497	2864.680830315803	2864.955471184688	30.0046429046945	31.72987137362965
565	89	65685	1298.85867303514	850477.3170250766	39.1061439933794	-100.7948624	345036.3918	414683.81024194	3034.031419439658	2895.485386015174	2864.723948153194	2864.351871199736	32.764446175372	32.764446175372
566	89	65686	2198.85867303514	850477.3170250766	39.106142834602	-100.7925341	345237.4468671353	414679.818	3029.706909145543	2894.282189193057	2864.799739325828	2862.8756652104	29.020980047434	29.020980047434
567	89	65687	2618.85867303514	850477.3170250766	39.106141328111	-100.7902058	345438.4573899169	414675.82618325	3024.10589545446	2893.073537174472	2864.87356691315	2861.246185875348	28.19510848	28.19510848
568	89	65688	378.85867303514	850477.3170250766	39.1061391343206	-100.787874	345639.489607504	414671.83429151	3017.167327253536	2891.957409709701	2864.70173971023	2861.094512608387	27.1472372639006	27.1472372639006
569	89	65689	1498.85867303514	850477.3170250766	39.1061373480204	-100.785171	345840.5297815235	414667.902173484	3014.168730273484	2890.84730571444	2864.68730273484	2864.68730273484	25.7268049017	25.7268049017
570	89	65690	4598.85867303514	850477.3170250766	39.106133946485	-100.7832708	346031.15456523396	414663.85107826	3013.184345507607	2889.395350185185	2862.980351118985	2862.980351118985	24.1555439	24.1555439
571	89	65691	5258.85867303514	850477.3170250766	39.10613068791544	-100.780825	346224.586773408	414659.859746557	3007.594718045104	2888.1870963235	2860.750960224124	2860.750960224124	22.7679446821126	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKrg.ft	BREIEVBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
653	65773	59378.85867307335	850477.3170250766	39.10434237564335	-100.5899717	362726.7309061084	434333.1793471575	287.670943097062	2747.3480365856706	2714.003648171608	2718.230734645566	3344.38838496271	29.117301911004688	
654	65774	60338.85867307335	850477.3170250766	39.1042841	-100.5876343	362927.7513175175	4341329.25042623	2874.17033333334	2716.9733340770646	2714.9334300347666	31.9152112	30.8555480080234		
655	65775	60698.85867307335	850477.3170250766	39.104243949009	-100.583151	363128.7116897817	4341325.23813973	2868.819968417743	2714.2691868267414	2707.6430776267414	35.617237058463	32.04311760208384		
656	65776	61358.85867307335	850477.3170250766	39.1042013490909	-100.582698	363329.79173186416	4341321.20540705	2864.619990361653	2742.7523178043107	2704.71443941653	37.06709698846325	38.078342635678		
657	65777	62018.85867307335	850477.3170250766	39.1041593138652	-100.580658	363530.8117426347	4341317.27446026	2859.4190403229903	2741.2675451155023	2702.2467746013094	37.067098137353798	39.02077051419292		
658	65778	62678.85867307335	850477.3170250766	39.1041168289702	-100.578302	363731.8316214889	4341313.29866673	2854.219987222597	2739.806125494574	2701.1503379494574	38.45612635643928	37.6854077170448		
659	65779	63338.85867307335	850477.3170250766	39.104073942232	-100.5760019	363932.8513686827	4341309.32065819	2848.861068205803	2738.36903866944	2698.8917241502232	39.02077051419292	37.6854077170448		
660	65780	63998.85867307335	850477.3170250766	39.10403050981334	-100.573736	364133.8709842644	4341305.34764278	2840.80323376114	2736.950551661341	2697.538113536363	39.02077051419292	37.6854077170448		
661	65781	64698.85867307335	850477.3170250766	39.103986956772	-100.571343	364334.860468977	4341301.37229695	2846.92388541147	2735.56333304629	2696.5841850739678	39.02077051419292	37.6854077170448		
662	65782	65318.85867307335	850477.3170250766	39.103942918154	-100.569017	364535.9098218323	4341297.37333266	2840.47563709224	2734.18943804045	2693.843011559974	39.02077051419292	37.6854077170448		
663	65783	65978.85867307335	850477.3170250766	39.1038975852275	-100.566887	364736.9290441754	4341293.42445779	2835.8810620474397	2732.830802474397	2691.8021399528316	39.02077051419292	37.6854077170448		
664	65784	66638.85867307335	850477.3170250766	39.10385247491416	-100.564305	364937.948135288	4341289.44773628	2842.118750356781	2731.487027551922	2689.96573563149	39.02077051419292	37.6854077170448		
665	65785	67298.85867307335	850477.3170250766	39.10380808	-100.5620322	365138.9670908244	4341285.42305802	2835.21753065884	2730.1576978264226	2688.4583291892845	39.02077051419292	37.6854077170448		
666	65786	67958.85867307335	850477.3170250766	39.1037607591103	-100.5597039	365339.004927888	4341281.48853929	2830.46557149875	2728.8420382146633	2687.325368565884	39.02077051419292	37.6854077170448		
667	65787	68618.85867307335	850477.3170250766	39.1037134262601	-100.5573796	365541.006287043	4341277.54645991	2827.109254166801	2727.539456260725	2686.2438977005498	39.02077051419292	37.6854077170448		
668	65788	69278.85867307335	850477.3170250766	39.1036672444047	-100.5550473	365742.3211954964	4341273.351	2823.723462414292	2726.249115168946	2685.162532271187	39.02077051419292	37.6854077170448		
669	65789	69938.85867307335	850477.3170250766	39.10361981246365	-100.552719	365943.0164204964	4341269.67685576	2820.323243160226	2724.9703132709	2684.2436214470918	39.02077051419292	37.6854077170448		
670	65790	70598.85867307335	850477.3170250766	39.1035719307978	-100.5503907	366144.059527495	4341265.6322646	2826.951376021662	2723.72406517935	2682.46622446298	39.02077051419292	37.6854077170448		
671	65791	71258.85867307335	850477.3170250766	39.1035236994066	-100.5480624	366345.07813317	4341261.62957817	2823.1899141142076	2722.446909177427	2678.841862749645	39.02077051419292	37.6854077170448		
672	65792	71918.85867307335	850477.3170250766	39.1034748182903	-100.5457341	366546.0691882235	4341257.4564282	2819.0802744682614	2721.19672650377	2677.0037300777	39.02077051419292	37.6854077170448		
673	65793	72578.85867307335	850477.3170250766	39.1034255874227	-100.543058	366744.1142134133	4341253.68375877	2814.961368593067	2719.950712851038	2666.7891156747314	39.02077051419292	37.6854077170448		
674	65794	73238.85867307335	850477.3170250766	39.1033735906596	-100.541075	366948.132009434	4341249.7044584	2810.9429685219403	2718.72505568219	2664.11557318277	39.02077051419292	37.6854077170448		
675	65795	73898.85867307335	850477.3170250766	39.1033237565766	-100.538718	367148.1498107117	4341245.37701129	2807.750158690748	2717.501058690748	2662.46818690748	39.02077051419292	37.6854077170448		
676	65796	74558.85867307335	850477.3170250766	39.1032751955216	-100.536421	367350.1621736814	4341241.765131697	2805.705420359416	2716.28256039153	2660.45907344354	39.02077051419292	37.6854077170448		
677	65797	75218.85867307335	850477.3170250766	39.1032241668122	-100.5340927	367551.184627683	4341237.79270408	2803.65224900915	2715.06863304424	2658.50325495024	39.02077051419292	37.6854077170448		
678	65798	75878.85867307335	850477.3170250766	39.103172687347	-100.531764	367752.201911862	4341233.0266865	2801.60112362598	2713.85734367236	2656.458596436016	39.02077051419292	37.6854077170448		
679	65799	76538.85867307335	850477.3170250766	39.1031207581586	-100.5294641	367953.219067038	4341229.8481498	2800.175115480527	2712.645726739872	2654.528023138485	39.02077051419292	37.6854077170448		
680	65800	77198.85867307335	850477.3170250766	39.1030683724556	-100.5271078	368154.2361	4341227.7863481	2802.77566041065	2711.42109656518	2653.499492411578	39.02077051419292	37.6854077170448		
681	65801	77898.85867307335	850477.3170250766	39.1030192722466	-100.5247179	368355.252677846	4341221.34062655	2804.2379856561495	2710.199107749456	2652.46818690748	39.02077051419292	37.6854077170448		
682	65802	78498.85867307335	850477.3170250766	39.102970272456	-100.5223457	368556.299771025	4341217.93345506	2805.70758515059	2708.937140205985	2650.9734405985	39.02077051419292	37.6854077170448		
683	65803	79178.85867307335	850477.3170250766	39.10290854416144	-100.5201229	368757.2864184704	4341213.96312524	2803.23195935027	2707.6209742320384	2650.07592318894	39.02077051419292	37.6854077170448		
684	65804	79838.85867307335	850477.3170250766	39.1028543663523	-100.5177447	368958.3209331963	4341209.990819	2808.73392315601	2706.209441153335	2650.71331032023	39.02077051419292	37.6854077170448		
685	65805	80498.85867307335	850477.3170250766	39.1027997388192	-100.5154664	369159.319337756	4341206.2020217	2810.27510495746	2704.685682	2650.70806021445	39.02077051419292	37.6854077170448		
686	65806	81158.85867307335	850477.3170250766	39.1027446615626	-100.5131381	369360.33602405	4341202.40233977	2811.181175776748	2703.07032420212	2650.71331032023	39.02077051419292	37.6854077170448		
687	65807	81818.85867307335	850477.3170250766	39.102697345824	-100.5109138	369561.3517443223	4341190.78384067	2812.91972650734	2701.38905642022	2650.05942924632	39.02077051419292	37.6854077170448		
688	65808	82478.85867307335	850477.3170250766	39.102653175187	-100.5084618	369762.367804045	4341184.19012275	2810.69461811305	2700.29243671815	2650.05942924632	39.02077051419292	37.6854077170448		
689	65809	83138.85867307335	850477.3170250766	39.102567314522	-100.5061532	369963.383651752	4341190.1782601	2809.27812258528	2697.96214504206	2650.05942924632	39.02077051419292	37.6854077170448		
690	65810	83798.85867307335	850477.3170250766	39.102519653301	-100.5038249	370164.394174712	4341186.1769304	2807.95957052925	2696.23040337976	2650.05942924632	39.02077051419292	37.6854077170448		
691	65811	84458.85867307335	850477.3170250766	39.102465294284	-100.5014967	370365.4150577424	4341182.19756453	2804.570801688634	2694.458179203154	2650.05942924632	39.02077051419292	37.6854077170448		
692	65812	85118.85867307335	850477.3170250766	39.10240473583216	-100.4991484	370566.4306731827	4341178.2282148	2799.13643649634	2692.734048981424	2648.076001765173	39.02077051419292	37.6854077170448		
693	65813	85778.85867307335	850477.3170250766	39.1023465821284	-100.4968401	370767.4459639605	4341174.25870428	2798.680193022623	2690.48810683987	2646.20476017611651	39.02077051419292	37.6854077170448		
694	65814	86438.85867307335	850477.3170250766	39.1022785347105	-100.4945118	370968.4613200402	4341170.2834175	2798.253061190313	2689.222770717295	2645.38473405577	39.02077051419292	37.6854077170448		
695	65815	87098.85867307335	850477.3170250766	39.1022116152188	-100.4922453	371170.491389404	4341162.351149322	2798.0163093434	2688.0969273246	2644.380587379643	39.02077051419292	37.6854077170448		
696	65816	87758.85867307335	850477.3170250766	39.1021691542188	-100.4898518	371370.491389404	4341162.351149322	2798.0163093434	2688.0969273246	2644.380587379643	39.02077051419292	37.6854077170448		
697	65817	88418.85867307335	850477.3170250766	39.1021091300914	-100.487527	371571.506283151	4341158.32021265	2794.673043146878	2683.929538105637	2640.13358781843	39.02077051419292	37.6854077170448		
698	65818	89078.85867307335	850477.3170250766	39.10210487	-100.4851987	371772.5201512835	4341154.3690525	2794.3394400444	2682.15777101383	2640.13358781843	39.02077051419292	37.6854077170448		
699	65819	89738.85867307335	850477.3170250766	39.1021087324227	-100.4828704	371973.536995798	4341150.445	2794.818316862858	2680.38078	2640.07229504879	39.02077051419292	37.6854077170448		
700	65820	90398.85867307335	850477.3170250766	39.10210325935403	-100.4805421	372174.550227073	4341146.47900662	2793.958958715326	2678.958958715326	2640.07229504879	39.02077051419292	37.6854077170448		
701	65821	91058.85867307335	850477.3170250766	39.102063189479	-100.4782187	372375.5646277145								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogKrg.ft	BREIEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
39	90	65899	-345861.1413	851137.1370250766	39.20625227	-102.0195139	239271.33403835647	3444010.042166267	394.344703	37.76.8028041869975	3696.523510168066	3695.923363182616	80.2793901893152	80.879417637587
40	90	65900	-345201.1413	851137.1370250766	39.20627581747399	-102.0171855	239472.4742948404	344005.95431296	394.67961785598	36.973877545697	3694.559563528501	3696.415021460948	80.303014711904	78.65395959
41	90	65901	-344681.1413	851137.1370250766	39.2062931586162	-102.0168278	239673.3192107564	344001.86989598	394.61262107219	37.73.153874822776	3692.54388168298	3697.1401809741433	80.319296	76.0156935651433
42	90	65902	-343881.1413	851137.1370250766	39.20632779326725	-102.0125295	239874.7540316117	343977.79204146	394.746503568384	36.90.13272904237	3690.13272904237	3700.374501022156	81.2107111933122	70.9598412190248
43	90	65903	-343221.1413	851137.1370250766	39.20634617789024	-102.0102016	240075.89351319917	343961.991666599	394.672846138299	37.69.511494907636	3687.1622895179274	3713.047881709872	82.3528635728321	56.4671677809149
44	90	65904	-342561.1413	851137.1370250766	39.2063954132909	-102.0078736	240277.03273707881	343989.046075082	394.3914184165815	37.67.699424304764	3683.90505951765	3695.664118927596	83.7193733899943	72.0330541
45	90	65905	-341901.1413	851137.1370250766	39.206328989824	-102.0055456	240478.1717034536	343985.517966914	394.10999969999	36.885289391039	3680.50282178716	3685.88179252481	85.38395711232306	80.0064051385574
46	90	65906	-341241.1413	851137.1370250766	39.20641613340666	-102.0032176	240679.31041252884	343981.431240285	393.828562974345	37.64.082754026234	3677.318540177233	3678.174852936396	86.7842138409543	84.539410969543
47	90	65907	-340581.1413	851137.1370250766	39.20643936112285	-102.000868	240866.4686450976	343977.152470588	393.8155940432664	37.62.3774427778	3674.4899368387	3672.734586683343	87.7944534898918	80.368865344412
48	90	65908	-339921.1413	851137.1370250766	39.20646255	-101.9985617	241081.5870599301	343972.25824919	393.930212074269	37.62.49259987167	3671.810096169992	3666.480256687806	88.42383905747	94.012723899315
49	90	65909	-339261.1413	851137.1370250766	39.20648564467056	-101.9962337	241282.72498901163	343969.17216753	393.028305715592	37.58.710625497576	3669.31332	3665.926081	89.3970544762595	92.78054413836315
50	90	65910	-338601.1413	851137.1370250766	39.20650877823011	-101.9939057	241483.8626799403	343965.086	392.964384536915	37.56.939591741226	3667.3393774281726	3667.3393774281726	89.5543937	89.5543937
51	90	65911	-337941.1413	851137.1370250766	39.20653182010195	-101.9915777	241685.0001056003	343961.00367813	392.9561530734706	37.55.180118922885	3665.512503784304	3667.347355894012	89.6680810854203	89.6680810854203
52	90	65912	-337281.1413	851137.1370250766	39.20655483082729	-101.9892497	241886.13727518878	343956.91472887	392.7303243568077	37.53.436403188715	3663.5026804291	3665.632470902804	89.9343314580192	87.7999761
53	90	65913	-336621.1413	851137.1370250766	39.20657779681328	-101.9868217	242087.2742	343952.82930127	392.555035665777	37.51.7042450428	3662.07859931457	3667.327223342402	89.9343314580192	87.7999761
54	90	65914	-335961.1413	851137.1370250766	39.206600703572285	-101.984397	242288.0146495814	343946.74402404	392.7974674442904	37.49.958281477647	3660.389424561183	3656.308232557116	89.9343314580192	87.7999761
55	90	65915	-335301.1413	851137.1370250766	39.20662357250013	-101.9822657	242489.54274960128	343944.65867838	392.9039605215984	37.48.30241	3658.65424961187	3650.947801761333	89.9343314580192	87.7999761
56	90	65916	-334641.1413	851137.1370250766	39.20664636646784	-101.9799377	242690.6834	343940.547076043	392.129895501594	37.46.627109444163	3657.313279958027	3647.585738593761	89.9343314580192	87.7999761
57	90	65917	-333981.1413	851137.1370250766	39.20666917546622	-101.9776097	242891.819289277	343936.48937515	392.2681397387144	37.44.907097366177	3656.30306360833	3646.8974296532483	89.9343314580192	87.7999761
58	90	65918	-333321.1413	851137.1370250766	39.20669190950441	-101.9752817	243092.9542678785	343928.40442248	392.400783742428	37.43.311780409285	3654.927780838083	3651.6369053021203	89.9343314580192	87.7999761
59	90	65919	-332661.1413	851137.1370250766	39.2067145857932	-101.9729537	243294.0903964674	343928.320050234	392.480969530334	37.41.70104705324	3654.55053679348	3656.632470902804	89.9343314580192	87.7999761
60	90	65920	-332001.1413	851137.1370250766	39.20673724269058	-101.9706257	243596.2254387913	343924.26341466	392.4896905710374	37.40.70454345883	3654.138687090597	3638.31743841985	89.9343314580192	87.7999761
61	90	65921	-331341.1413	851137.1370250766	39.20676093165891	-101.968278	243898.362421072	343919.1456924137	392.4891456924137	37.39.1196978	3653.249298591284	3636.171592247321	89.9343314580192	87.7999761
62	90	65922	-330681.1413	851137.1370250766	39.206782396023755	-101.9659597	244387.949324481	343916.05875341	391.496779111807	37.36.93117884438	3653.147081150297	3632.311629053203	89.9343314580192	87.7999761
63	90	65923	-330021.1413	851137.1370250766	39.20680491	-101.9636417	244808.629868827	343911.88464569	391.6237840819317	37.35.3627840819317	3651.672702701915	3631.033470972566	89.9343314580192	87.7999761
64	90	65924	-329361.1413	851137.1370250766	39.206827369502726	-101.9613137	244299.7634116461	343907.931538717	390.88476083387	37.33.800034189215	3649.04545830034	3632.05179067864	89.9343314580192	87.7999761
65	90	65925	-328701.1413	851137.1370250766	39.20684978879694	-101.9589857	244500.8973	343903.14011508083	390.730411508083	37.32.2405963418364	3645.045050038607	3628.981214636764	89.9343314580192	87.7999761
66	90	65926	-328041.1413	851137.1370250766	39.206872163127353	-101.9566577	244702.0308772044	343925.72326646	390.3984562128333	37.30.67916071142	3640.4814633970016	3632.02226910928	89.9343314580192	87.7999761
67	90	65927	-327381.1413	851137.1370250766	39.20689542984948	-101.9542927	244903.1642939648	343918.16236948	390.3198583299979	37.29.11371196978	3638.249298591284	3636.171592247321	89.9343314580192	87.7999761
68	90	65928	-326721.1413	851137.1370250766	39.20691767899758	-101.9520017	245104.732900248	343891.57	390.1812494654137	37.27.542166999407	3635.277357452098	3635.277357452098	89.9343314580192	87.7999761
69	90	65929	-326061.1413	851137.1370250766	39.206939016337294	-101.9496737	245305.40317862967	343887.481757512	390.0554001	37.25.9625987648506	3632.9522911904096	3610.513076765605	89.9343314580192	87.7999761
70	90	65930	-325401.1413	851137.1370250766	39.2069611281306	-101.9473456	245506.56277408148	343883.44038034	390.58306631236	37.24.3731849138751	3632.58429344589024	3610.513076765605	89.9343314580192	87.7999761
71	90	65931	-324741.1413	851137.1370250766	39.206983360325026	-101.9450176	245707.69511736046	343879.322687327	390.771403264387	37.22.72202839595	3610.347797115563	3614.4786915893647	89.9343314580192	87.7999761
72	90	65932	-324081.1413	851137.1370250766	39.2070054687313	-101.9426896	245907.8272086617	343875.240726983	390.7631789470937	37.21.158019053423	3610.513076765605	3615.20299142763	89.9343314580192	87.7999761
73	90	65933	-323421.1413	851137.1370250766	39.20702524455736	-101.9403616	246109.9598423878	343871.15948901	390.7212542699437	37.19.520972544266	3610.379047224665	3617.0477241841822	89.9343314580192	87.7999761
74	90	65934	-322761.1413	851137.1370250766	39.20704538241916	-101.9380236	246306.362421072	343867.07735178	390.614456924137	37.18.1924553824137	3610.513076765605	3615.20299142763	89.9343314580192	87.7999761
75	90	65935	-322101.1413	851137.1370250766	39.20707150874487	-101.9357055	246502.27022788074	343862.956428515	390.473424863436	37.16.220942375065	3609.62811635296	3612.9828118882496	89.9343314580192	87.7999761
76	90	65936	-321441.1413	851137.1370250766	39.20709343343712	-101.9333775	246713.3513839257	343858.914715099	390.6162119621299	37.14.538817824673	3607.562464951021	3594.644125603607	89.9343314580192	87.7999761
77	90	65937	-320781.1413	851137.1370250766	39.20711531316355	-101.9310495	246914.483992566	343854.8376043	390.646857157404	37.12.8368082167523	3611.708566403829	3610.513076765605	89.9343314580192	87.7999761
78	90	65938	-320121.1413	851137.1370250766	39.20713147429944	-101.9287215	247115.6145768062	343850.75280885	390.623391188678	37.11.11237655015	3615.46948899618	3615.46948899618	89.9343314580192	87.7999761
79	90	65939	-319461.1413	851137.1370250766	39.2071589372942	-101.9263934	247316.7449011753	343846.617310607	390.6109371549045	37.09.36273691897	3610.513076765605	3614.4786915893647	89.9343314580192	87.7999761
80	90	65940	-318801.1413	851137.1370250766	39.20718608	-101.9240644	247517.6749931063	343842.91633539	390.675407610761	37.07.221186867856	3610.513076765605	3617.0477241841822	89.9343314580192	87.7999761
81	90	65941	-318141.1413	851137.1370250766	39.20720367415116	-101.9217878	247716.9403867874	343838.494987674	390.621624016097	37.05.1624016097	3610.513076765605	3617.0477241841822	89.9343314580192	87.7999761
82	90	65942	-317481.1413	851137.1370250766	39.207224037344055	-101.9194093	247920.134898352	343834.931194107	390.617344963436	37.03.961717312057	3609.62811635296	3610.513076765605	89.9343314580192	87.7999761
83	90	65943	-316821.1413	851137.1370250766	39.20724564728704	-101.9170813	248121.2637421858	343830.251248129	390.67138643096	37.02.1049916847246	3626.251250789458	3592.582295908833	89.9343314580192	87.7999761
84	90	65944	-316161.1413	851137.1370250766	39.20726712256584	-101.9147533	248322.396285							

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.L.	BRrElevKgr.f	BRrElevBothKgr.f	SatThKLog.f	SatThBoth.f
165	96	66025	-262701.1413	851137.3170250766	39.2088644536984	-101.72671871	648413.03095977006	3434396.418070795	3643.0840860591573	3545.645692454891	3535.320775011503	3545.12945495374065	4516047.440516104
166	96	66026	-262601.1413	851137.3170250766	39.20886252314114	-101.72385	264814.145832362	3434392.352397117	3647.764802	3547.403249567971	3530.336319556604	3535.452255376433	17.06662910567265
167	96	66027	-26181.1413	851137.3170250766	39.20890341	-101.721618	265015.2547247646	3434388.23870942	3645.58334	3545.163133465434	3526.473408209486	3529.68733085472	18.69041281448183
168	96	66028	-260721.1413	851137.3170250766	39.20891814378137	-101.719373	265126.3653031676	3434384.223077673	3636.504255678352	3542.9273351059196	3527.789651138433	3527.2234080170056	19.17340367486787
169	96	66029	-260601.1413	851137.3170250766	39.208935886650245	-101.7168655	265417.474656087	3434380.160071074	3627.4971711226044	3530.6944616928645	3522.493810182833	3525.5012284490363	18.20065151003155
170	96	66030	-259401.1413	851137.3170250766	39.20893535451594	-101.7145374	265618.5833493993	3434376.060027018	3615.454085665664	3538.466013481273	3521.6925172422807	3524.462368903247	13.5232650090668
171	96	66031	-258741.1413	851137.3170250766	39.2089712748533	-101.7122092	265819.6915122508	3434372.031681375	3613.0613248947925	3536.420239841636	3520.935189126715	3525.4022236001638	15.306846814920486
172	96	66032	-258081.1413	851137.3170250766	39.20898885	-101.7098811	266020.79943407	3434367.06648372	3611.31899886857	3534.022551349826	3519.872573154144	3525.1883530523693	14.14967819573864
173	96	66033	-257421.1413	851137.3170250766	39.20899541	-101.707853	266221.90714269103	3434363.949891067	3585.158725266397	3531.8071125266397	3518.725801810837	3524.0618120217026	7.25251226457892
174	96	66034	-256761.1413	851137.3170250766	39.2090230548083	-101.7052248	266423.01461119004	3434359.8141677127	3607.382716819147	3529.94495550983	3517.734721855654	3524.93152566317	11.86027469544762
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176	96	66036	-255441.1413	851137.3170250766	39.2090582763936	-101.7005865	266825.288558174	3434341.715596489	3614.236827121936	3525.180282785376	3515.233442747327	3523.130587202617	11.84593851399347
177	96	66037	-254781.1413	851137.3170250766	39.209076210769966	-101.6982204	267026.33563242713	3434347.65230316	3619.0859582623	3522.975069162516	3510.795673057393	3522.266607942646	2.047224065
178	96	66038	-254121.1413	851137.3170250766	39.2090354892679	-101.6959122	267227.441271881473	3434343.59	3623.931543	3520.77641246666	3508.4098843147326	3521.9952419115493	12.36775693
179	96	66039	-253461.1413	851137.3170250766	39.209110842186754	-101.6935841	267428.5448951853	3434337.527844518	3627.951501734894	3518.580571147755	3506.1396563274167	3520.744412945906	12.4410052235842
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185	96	66045	-249501.1413	851137.3170250766	39.20921366994415	-101.6796151	268635.1815745203	3434315.157	3642.04228904834	3505.514538116124	3504.5546180023	3525.9836015051164	10.90993400158913
186	96	66046	-248841.1413	851137.3170250766	39.2092306353033	-101.677287	268836.286265086	3434311.096139783	3643.2943393114503	3503.365240661539	3503.160224304736	3525.98363185598	10.26501420376572
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190	96	66050	-246201.1413	851137.3170250766	39.20928099343805	-101.6679743	269640.7028527439	3434304.8534648	3652.747276483522	3494.853225194055	3487.3067201351632	3531.373413545483	9.54802324242255
191	96	66051	-245541.1413	851137.3170250766	39.20931485919164	-101.6656461	269841.8064248977	3434303.79252007	3653.7882735073563	3492.747178593934	3487.7763153800774	3532.844116499246	9.86532788153327
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195	96	66055	-242901.1413	851137.3170250766	39.20938141573783	-101.6563335	270646.218442035	3434375.45220429	3652.553214541065	3484.406671393306	3484.596329	3527.390424788765	1.3109105216862425
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197	96	66057	-241581.1413	851137.3170250766	39.20941443003697	-101.6516771	271048.4230906553	3434366.436	3653.8750282976534	3480.2575410623167	3482.96851040554	3521.457298326243	1.3109105216862425
198	96	66058	-240921.1413	851137.3170250766	39.20943087	-101.6493489	271249.5251	3434362.377	3654.535935175948	3478.2190771923892	3481.747747645988	3522.447053033303	1.3109105216862425
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200	96	66060	-239601.1413	851137.3170250766	39.20946351152229	-101.6446826	271651.7283890459	3434334.259431794	3649.054573	3474.124193668356	3499.580043222864	3519.049040251985	2.1088848281737578
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203	96	66063	-237621.1413	851137.3170250766	39.20951238829679	-101.6377081	272255.03175895	3434336.4080563	3638.0263781459885	3468.0828122611687	3479.647135971094	3515.662042042534	0.863531750686598
204	96	66064	-236961.1413	851137.3170250766	39.2095285728436	-101.6353799	272456.1323484718	3434338.02706474	3635.347762080685	3466.078163761586	3479.829335779395	3513.989086847142	0.863531750686598
205	96	66065	-236301.1413	851137.3170250766	39.20954488130129	-101.6330517	272657.232763564	3434333.969	3632.661174415749	3468.136163354073	3511.55025555598	3511.55025555598	1.3109105216862425
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207	96	66067	-234981.1413	851137.3170250766	39.20957694494252	-101.6284682	273059.4545271688	3434327.88937244564	3627.951501734894	3465.890733919281	3469.708510633165	3508.407115352431	1.3109105216862425
208	96	66068	-234321.1413	851137.3170250766	39.20959257335377	-101.6260672	273260.533324967	3434327.917521858	3626.179655737463	3457.9577175473387	3471.1902104917	3507.10828920407	1.3109105216862425
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211	96	66071	-232341.1413	851137.3170250766	39.20964041059225	-101.6190826	273863.80496371	3434309.627261907	3612.3037058701007	3452.05121263787	3475.35100506597	3502.514853367391	1.3109105216862425
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BREIveLogskg.ft	BREIveBothKrg.ft	SatHtLogskg.ft	SatHtBoth.ft
290	90	66151	-175951.1413	851137.1370250766	39.1076311586215	-101.4328246	289951.0498785071	3424985.691440796	3287.072323868579	3282.13801344778	3283.9224951936926	3243322941800929	3.149841193	
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293	90	66153	-178221.1413	851137.1370250766	39.10784416433	-101.4281181	290353.163152689	342977.90713559	3437.387704911545	3283.2911521474785	3277.9891194642356	3267.50411008928	10.293989617283528	
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304	90	66164	-170961.1413	851137.1370250766	39.109183938487	-101.4025272	292565.0953207067	342933.161739962	3435.096545074438	3265.400631773395	3245.6762240542037	3259.6924447312894	19.74740323353748	
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322	90	66182	-159081.1413	851137.1370250766	39.111207649584	-101.3606482	296184.48579971393	342861.938793259	3441.9247347630447	3244.2459501039357	3216.030520523731	3224.6821905204527	19.65347313559916	
323	90	66183	-158421.1413	851137.1370250766	39.1113158240003	-101.35832	296356.5611379647	342852.442729115	3442.1187580636993	3243.2303253704924	3215.5657988209227	3220.72976274932	27.66426550019675	
324	90	66184	-157761.1413	851137.1370250766	39.1114235503254	-101.3559917	296586.63626758446	342856.406700314	3442.2658439703187	3242.219176197896	3216.428548109536	3216.428548109536	25.974281851138577	
325	90	66185	-157101.1413	851137.1370250766	39.11153062613336	-101.3536364	296767.71120128187	342850.378065246	3441.49587670285	3241.219556252777	3215.48549371614	3215.48549371614	25.974281851138577	
326	90	66186	-156441.1413	851137.1370250766	39.111638222295	-101.3513031	296986.78535029	342844.351862703	3441.682151072405	3242.1851597150467	3219.1851597150467	3219.1851597150467	27.7785947547177	
327	90	66187	-155781.1413	851137.1370250766	39.1117440255972	-101.349068	297189.86046228	342840.3	3441.8572848376124	3239.22361390829	3213.38189351691	3211.0280729119886	27.850511039137528	
328	90	66188	-155121.1413	851137.1370250766	39.111849552526	-101.3466785	297390.343063787	342836.26439367	3441.309630271572	3238.245383998280	3209.76763339466	3206.104641978426	28.90570598614666	
329	90	66189	-154461.1413	851137.1370250766	39.11195543219006	-101.3443503	297592.008836205	342832.22921676	3441.33201326718	3237.270664883399	3208.183223754807	3208.183223754807	28.90570598614666	
330	90	66190	-153801.1413	851137.1370250766	39.1120604594093	-101.342022	297793.082875568	342828.194352341	3440.343957015787	3236.299874548322	3209.461663963691	3210.54898971191	25.974281851138577	
331	90	66191	-153141.1413	851137.1370250766	39.1121663069624	-101.3396937	297994.15671298414	342824.195973609	3440.046307039947	3235.337103065064	3208.22172982851	3212.837366446576	25.974281851138577	
332	90	66192	-152481.1413	851137.1370250766	39.1122697461538	-101.3373864	298195.2302517836	342820.124953265	3440.347131650415	3234.38099040712	3207.40099477287	3207.40099477287	25.974281851138577	
333	90	66193	-151821.1413	851137.1370250766	39.1123847093968	-101.3351303	298406.343063787	342816.1584970824	3440.347131650415	3234.38099040712	3207.40099477287	3207.40099477287	25.974281851138577	
334	90	66194	-151161.1413	851137.1370250766	39.11247601715304	-101.332708	298597.374232317	342812.0563276	3440.347131650415	3234.38099040712	3207.40099477287	3207.40099477287	25.974281851138577	
335	90	66195	-150501.1413	851137.1370250766	39.112578487787	-101.3303805	298798.4467829273	342808.023274823	3389.778711365658	3231.5399021620055	3209.61962277	3209.61962277	25.974281851138577	
336	90	66196	-149841.1413	851137.1370250766	39.112681178651	-101.3280522	298999.522451546	342803.9844915	3389.778711365658	3231.5399021620055	3209.61962277	3209.61962277	25.974281851138577	
337	90	66197	-149181.1413	851137.1370250766	39.1127830578718	-101.3257239	299200.59	342799.954225525	3389.778711365658	3231.5399021620055	3209.61962277	3209.61962277	25.974281851138577	
338	90	66198	-148521.1413	851137.1370250766	39.1128845	-101.3233956	299401.6673247024	342795.92131626	3389.778711365658	3231.5399021620055	3209.61962277	3209.61962277	25.974281851138577	
339	90	66199												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurfTchLogs.ft	SurfTchBoth.ft
417	60	6277	-96381.14133	851137.3170250766	39.21194742861747	-101.394588	315285.7768765947	342477.8478584853	3285.3170726049857	3059.083631575168	3057.788973915542	3059.232232494836	37.2967377606387	35.85041162782235
418	60	6278	-96271.14133	851137.3170250766	39.21195417375184	-101.3971304	315486.83490973682	343733.82586798	3284.373117963439	3052.5962641986753	3056.135742402426	3057.1756982687776	36.40081665937736	34.87893471645906
419	60	6279	-96161.14133	851137.3170250766	39.2119607391285	-101.398231	315687.8911372061	344269.80921126	3282.588496912126	3050.122417698447	3054.73278872373	3055.398823495471484	34.44584574707696	34.44584574707696
420	60	6280	-94401.14133	851137.3170250766	39.211967129100806	-101.324738	315888.947996616	344265.791074845	3281.69710740455	3047.659852940141	3053.1777479961528	3054.167804206245	34.48190453986305	33.49256783895905
421	60	6281	-93041.14133	851137.3170250766	39.21197353931538	-101.3301454	316090.00465750475	344261.77299431	3283.73252572640975	3058.206353048885	3051.544103966247	3052.264758180197	33.66622105263816	32.94157686689648
422	60	6282	-93081.14133	851137.3170250766	39.2119794595569	-101.278171	316291.0611741176	344261.753400414	3274.694888	3082.761436039312	3049.781742132907	3050.4008147062258	32.32134780667738	32.32134780667738
423	60	6283	-92421.14133	851137.3170250766	39.21198622	-101.254888	316492.1174928237	344263.736	3278.326554674237	3080.324363729087	3048.0354621547785	3048.22889518130185	32.02431771382044	32.02431771382044
424	60	6284	-91761.14133	851137.3170250766	39.211992500119396	-101.123164	316683.173631667	344248.718	3281.763936536838	3077.897120125604	3054.319557099237	3064.1568838253984	32.57756311332468	32.57756311332468
425	60	6285	-91101.14133	851137.3170250766	39.21199872040776	-101.062631	316884.2268994065	344245.70891981	3285.64629528693	3075.477645931645	3054.325215442499	3063.99999668686	34.15243239	34.17765466465354
426	60	6286	-90441.14133	851137.3170250766	39.2120045178893	-101.118537	317095.28537074354	344241.68209262	3252.28956102274	3073.061763579734	3041.319455	3041.789541795394	31.74230981583783	31.721916
427	60	6287	-89781.14133	851137.3170250766	39.21201106616326	-101.161754	317296.3409713825	344237.65536763	3260.1716545130554	3074.8478477431842	3039.486335111906	3039.486335111906	31.151263127811	31.151263127811
428	60	6288	-89211.14133	851137.3170250766	39.21201751564915	-101.138471	317497.3963903367	344238.64824915	3258.502619297734	3062.238801282967	3037.180626233542	3036.9081251842517	31.05359394754613	31.05359394754613
429	60	6289	-88461.14133	851137.3170250766	39.21202301992885	-101.1115187	317698.4561359026	344229.631293466	3256.83583042943	3065.818097739577	3034.7930553077576	3034.12773920809	31.0250485744052	31.0250485744052
430	60	6290	-87801.14133	851137.3170250766	39.212029207447515	-101.1091904	317899.5067001885	344225.614	3255.1645864872	3063.39572844304	3032.088016	3030.7988474452316	31.10355646942217	31.10355646942217
431	60	6291	-87141.14133	851137.3170250766	39.21203516782874	-101.106821	318100.5615890805	344221.597772291	3252.411781789883	3060.93154536091	3029.705216994815	3028.6334442473006	31.334978140379041	31.334978140379041
432	60	6292	-86481.14133	851137.3170250766	39.2121041083436596	-101.1045337	318301.616293837	344216.181282448	3248.573072720458	3058.539377270546	3027.182604378993	3021.49057448812	31.35672789157284	31.35672789157284
433	60	6293	-85821.14133	851137.3170250766	39.212046953971004	-101.102254	318502.670823693	344213.56497308	3244.73668309299	3056.04492324235	3024.689545894487	3014.943721456178	31.3957467378637	31.3957467378637
434	60	6294	-85161.14133	851137.3170250766	39.2120527579531994	-101.099977	318703.7252	344209.458494198	3240.83948524612	3053.63596378192	3021.934692142503	3008.4063280446226	31.701004235741493	31.701004235741493
435	60	6295	-84501.14133	851137.3170250766	39.21205865011368	-101.097587	318904.7793500717	344205.53298573	3237.30149688983	3051.159613361825	3018.58418209653	3007.83580408194	32.5754312661702	32.5754312661702
436	60	6296	-83841.14133	851137.3170250766	39.212064259917956	-101.0952203	319105.8334711715	344201.517127222	3233.063038528202	3048.619157197742	3015.678960601303	3008.42018304664	32.9829551817105	32.9829551817105
437	60	6297	-83181.14133	851137.3170250766	39.21206986374374	-101.092892	319306.88716712676	344197.50154391	3230.570194984363	3046.137497844634	3012.802896132634	3008.278732434480	33.3348010200226	33.3348010200226
438	60	6298	-82521.14133	851137.3170250766	39.2121765204151	-101.090537	319507.9408101372	344193.46133256	3227.2169772842	3043.580378675995	3009.964212709655	3007.961581561405	33.5761540228	33.5761540228
439	60	6299	-81861.14133	851137.3170250766	39.212138624541285	-101.087663	319704.2624942025	344193.3637187	3224.93494106461	3040.9015487219	3008.03132878549	3007.12706717012	33.78813687248024	33.78813687248024
440	60	6300	-81201.14133	851137.3170250766	39.21208678455555	-101.085907	319910.0756561516	344185.45590431	3221.691545420843	3038.337474965111	3004.257008091695	3007.719293	33.94046027	33.94046027
441	60	6301	-80541.14133	851137.3170250766	39.21209229920231	-101.0835786	320111.1006765476	344181.40949554	3219.14056425983	3035.632859788215	3001.376468289109	3006.313296051904	33.24563915971245	33.24563915971245
442	60	6302	-79881.14133	851137.3170250766	39.21209774675546	-101.0812503	320312.1536168537	344177.46230926	3216.587237109165	3032.85701099176	2996.035062241966	3002.422589722494	36.8218474980223	36.8218474980223
443	60	6303	-79221.14133	851137.3170250766	39.21210318577529	-101.0789219	320513.206378249	344173.41480234	3214.481621	3029.9842318036	2989.41482734359	3000.759922807587	34.05839637367721	34.05839637367721
444	60	6304	-78561.14133	851137.3170250766	39.21210856161475	-101.076936	320714.25896388234	344169.39479752	3212.837507433277	3024.022892971703	2980.901748711515	2999.4739257465562	36.1405405825935	36.1405405825935
445	60	6305	-77901.14133	851137.3170250766	39.2121138924541285	-101.074653	320915.3117403223	344165.38353572	3211.193841196716	3023.9318836	2972.041138718185	2992.5743812671569	35.5743182691384	35.5743182691384
446	60	6306	-77241.14133	851137.3170250766	39.2121191783332	-101.0719533	321116.363784525	344161.36937187	3209.7357864528	3020.7357864528	2983.941767819538	2987.89992921058	35.7878992921058	35.7878992921058
447	60	6307	-76581.14133	851137.3170250766	39.21212441923881	-101.069608	321317.415668211	344157.35649752	3207.67487851375	3017.499845342324	2996.040491488728	2974.2315464165765	36.14489619345266	36.14489619345266
448	60	6308	-75921.14133	851137.3170250766	39.2121212962	-101.0672802	321518.4675534725	344153.319852685	3205.570147123565	3014.701154578613	2994.03145410034	2964.215195053366	36.05608091685782	36.05608091685782
449	60	6309	-75261.14133	851137.3170250766	39.21213477	-101.0649519	321719.51926336	344149.3265254	3203.45645969597	3010.64116230159	2992.878134503645	2992.37106689976	37.76302781654977	37.76302781654977
450	60	6310	-74601.14133	851137.3170250766	39.2121398721403	-101.0626235	321920.5709790394	344145.31520167	3201.3608049895573	3007.1454560296405	2998.256572415269	2993.265784371907	38.1571021244979	38.1571021244979
451	60	6311	-73941.14133	851137.3170250766	39.21214485312525	-101.060292	322112.6216071035	344141.30268757	3198.708129593839	3003.6955217937	2995.64508006675	2995.914250891464	38.421239176218	38.421239176218
452	60	6312	-73281.14133	851137.3170250766	39.21214984916285	-101.057869	322322.67234942025	344137.304791459	3196.507147054041	3000.2015485722	2996.03154655116	2992.14516251624	38.5106362121058	38.5106362121058
453	60	6313	-72621.14133	851137.3170250766	39.212154085415206	-101.0556385	322523.7246147614	344133.26759782	3194.1095415405317	2997.4217592218598	2994.625169963038	2996.981291079838	38.96741293734404	38.96741293734404
454	60	6314	-71961.14133	851137.3170250766	39.212159846317284	-101.0533101	322724.77520126035	344129.2641540235	3196.105125310167	2994.96354734072	2993.5011862411447	2993.051120925186	38.64548312265116	38.64548312265116
455	60	6315	-71301.14133	851137.3170250766	39.2121647243403	-101.050918	322925.8266758386	344125.251813267	3194.768828023628	2993.058607694863	2991.475422	2994.6044384573821	38.454451696210331	38.454451696210331
456	60	6316	-70641.14133	851137.3170250766	39.21216956	-101.0486534	323126.873606518	344121.23965205	3193.294822357211	2991.565572782864	2990.9634264025	2992.831705835712	38.7662013804116	38.7662013804116
457	60	6317	-69981.14133	851137.3170250766	39.21217435474656	-101.0463251	323327.96806672	344117.227672638	3191.820821910594	2990.390548	2990.79623481897	2992.5754845170563	38.334162471268291	38.334162471268291
458	60	6318	-69321.14133	851137.3170250766	39.21217910442336	-101.043997	323528.9786271333	344113.216	3189.76821463977	2989.1302510669	2990.31261956577	2993.633094599206	38.25413708679327	38.25413708679327
459	60	6319	-68661.14133	851137.3170250766	39.212184843494146	-101.0417693	323730.90434146	344109.3041726158	3187.93041708179	2988.03041726158	2989.03041726158	2992.789792981784	38.1689116892153	38.1689116892153
460	60	6320	-68001.14133	851137.3170250766	39.21218955415206	-101.03934	323913.0767043956	344105.198211796	3184.281486272984	2987.063804647935	2986.04151061035634	2992.789792981784	38.05273409139575	38.05273409139575
461	60	6321	-67341.14133	851137.3170250766	39.21219306689924	-101.0370117	324132.12633425277	344101.381552705	3180.72625907138	2986.028349637776	298			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVEKgr.f	BRIEVEKgr.f	SurfBoth.f	
543	96	66403	-13221.14313	851137.13170250766	-00.84606963	340617.62948644214	3414972.870396601	3073.332523305945	2322.2594457295704	2872.1907845206424	2872.1365298044766	51.028861208928006	51.12291592593082
544	96	66404	-12561.14131	851137.13170250766	-00.84357579	34018.16655347934	341958.87610093	3076.625231356784	2922.003443	2874.226538418684	2874.335876141115	47.7660453033321	47.7660453033321
545	96	66405	-11961.14133	851137.13170250766	-00.8414296	341019.701528044	341964.87861157	2820.7330495112873	2875.484005132873	2875.784005132873	2875.784005132873	45.00481512139791	45.00481512139791
546	96	66406	-11241.14133	851137.13170250766	-00.83910172	34120406487005	-00.83910172	3080.2052269694734	2919.405665701157	2875.38256694734	2875.5252824022493	44.06809683	44.92484352766415
547	96	66407	-10561.14133	851137.13170250766	-00.8367728	341421.7728039774	341956.88670506	3080.766916082509	2818.160052358159	2876.7013438690567	2876.831077892235	41.4587804990352	41.3269445683266
548	96	66408	-9921.1411327	851137.13170250766	-00.8344445	341422200952966	-00.8344445	2916.86519666509	2876.68592214478	2876.715866711156	2876.715866711156	40.1497528953377	40.1497528953377
549	96	66409	-9261.141327	851137.13170250766	-00.8321161	341283.8435509284	341958.98668794	3078.4330829951491	2915.688981295542	2878.6141016143674	2878.650989143674	36.95847981147304	36.95847981147304
550	96	66410	-8601.141327	851137.13170250766	-00.8297877	342024.8786762875	341944.90419519	3077.26704636932	2914.2717314992265	2881.7038741708724	2881.6828859513014	32.56585732384504	32.56585732384504
551	96	66411	-7941.141327	851137.13170250766	-00.8274548	342225.9136436995	341940.305349753	3075.897461821939	2912.3794848	2885.7068843540266	2885.7068843540266	27.36888140012357	27.36888140012357
552	96	66412	-7281.141327	851137.13170250766	-00.825131	342426.948575115	341936.10454948	3072.9449161105125	2917.85177653416	2890.7592148971244	2891.10121189307	20.58076745379618	20.58076745379618
553	96	66413	-6621.141327	851137.13170250766	-00.8228028	34224.2940861636	341932.951748714	3070.452370388286	2910.382521	2896.6482821922373	2897.818726436572	12.8742543652554	12.8742543652554
554	96	66414	-5961.141327	851137.13170250766	-00.8207473	342829.017625149	341928.921217424	3067.9598246714595	2909.1089372896204	2893.7857611200225	2894.0842765342345	15.22317617	15.024660753385697
555	96	66415	-5301.141327	851137.13170250766	-00.8181459	343030.0519793859	341924.927	3064.8153093845	2907.8321093845	2885.595481038454	2884.674484378544	12.27052633843903	12.27052633843903
556	96	66416	-4641.141327	851137.13170250766	-00.8158175	343321.0861803575	341920.32393624	3060.128492784614	2906.56482816318	2886.951680795274	2887.7140827420963	10.6132200214047	10.6132200214047
557	96	66417	-3981.141327	851137.13170250766	-00.8134892	343324.10229717653	341916.30870373	3058.735692940457	2905.30679654658	2880.4139426155914	2880.700425036433	8.9497502090366	8.9497502090366
558	96	66418	-3321.141327	851137.13170250766	-00.8111608	343633.1541262203	341912.94886935	3051.348426887494	2904.050207711956	2874.8048372166154	2874.748508967603	29.2533700050612	29.2533700050612
559	96	66419	-2661.141327	851137.13170250766	-00.8088834	343834.1878057055	341904.95125396	3042.5623733175103	2902.8190242131046	2871.2310091114564	2871.2310091114564	31.58801501164817	31.58801501164817
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561	96	66421	-1341.141327	851137.13170250766	-00.8041757	344236.2549035495	341900.964523321	3046.623704125657	2900.3648315146593	2867.435252393574	2867.551479683173	32.929579121085226	32.929579121085226
562	96	66422	-881.1413269	851137.13170250766	-00.8018473	344437.1829126016	341896.97412508	3045.652489613268	2899.1470468823	2866.21301395708	2866.6328744074062	32.93056291114506	32.93056291114506
563	96	66423	-21.14132693	851137.13170250766	-00.7991919	344638.3213303011	341892.879	3042.919922660455	2897.9322764849787	2865.4572601949	2865.67072469487	32.4748414748497	32.4748414748497
564	96	66424	638.85867303514	851137.13170250766	-00.7971906	344839.3453165752	341888.986	3038.455121534138	2896.716918262344	2864.781180262437	2865.5617628720042	31.9551023596674	31.9551023596674
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566	96	66426	1958.85867303514	851137.13170250766	-00.7925339	345241.419	341881.00083595	3025.522519255504	2892.778283509233	2863.57117450598	2863.94221869187	30.717090042541	30.717090042541
567	96	66427	2618.85867303514	851137.13170250766	-00.7902055	345442.4523717516	341877.00886293	3022.5275177123974	2893.050623129784	2863.391297380103	2862.3725581989803	29.6952574046375	29.6952574046375
568	96	66428	3278.85867303514	851137.13170250766	-00.7878772	345643.4847557831	341873.01620412	3015.247377752284	2891.815258490997	2863.1689921905217	2861.175308797979	28.6468375857794	28.6468375857794
569	96	66429	3938.85867303514	851137.13170250766	-00.7855488	345844.5168899659	341869.02478039	3007.216883264883	2890.5714688211	2862.5479631388644	2860.1453794523587	30.46051711210548	30.46051711210548
570	96	66430	4598.8586730351	851137.13170250766	-00.7832304	346056.5490736908	341865.03119654	2998.186363815073	2889.316836815073	2861.302391475726	2859.2994760419256	30.01444713346885	30.01444713346885
571	96	66431	5258.8586730351	851137.13170250766	-00.7808812	346263.44498212	341861.042	2988.950562986289	2888.950562986289	2858.151610276807	2857.423310348466	28.9886328394549	28.9886328394549
572	96	66432	5918.8586730351	851137.13170250766	-00.7785733	346467.8147311614	341857.05332684	2982.116372007377	2888.7724783211	2857.05458541197	2856.9274783211	30.791797889723	30.791797889723
573	96	66433	6578.8586730351	851137.13170250766	-00.7762353	346668.6448222547	341853.095213542	2980.079850860545	2885.482482106573	2851.2585271702483	2850.88111953374	32.2329670400905	32.2329670400905
574	96	66434	7238.8586730351	851137.13170250766	-00.773907	346869.6791460096	341849.098	2988.04341360174	2884.179081160673	2845.812052717867	2845.36810616205	38.890765886205	38.890765886205
575	96	66435	7898.8586730351	851137.13170250766	-00.7715786	347050.702520847	341845.07506047	2988.20957790037	2882.861211784026	2840.145304867896	2840.02795320797	42.74668129723659	42.74668129723659
576	96	66436	8558.8586730351	851137.13170250766	-00.7692502	347251.73840487846	341840.19224910	2984.5798998504	2881.527905542286	2834.07107803217	2834.935457779735	46.5927047005315	46.5927047005315
577	96	66437	9218.8586730351	851137.13170250766	-00.7668219	347452.7694811895	341837.09651578	2982.74440219004	2880.178875	2828.6050707334693	2827.47430400427	50.75046624865	50.75046624865
578	96	66438	9878.8586730351	851137.13170250766	-00.7645938	347653.802732205	341833.10262956	2980.8085432618	2878.2085432618	2825.424981104237	2825.424981104237	53.38353114488448	53.38353114488448
579	96	66439	10538.8586730351	851137.13170250766	-00.7622651	347854.8311711789	341829.116242545	2980.995302014524	2877.18784831487	2822.155809444757	2822.747748734313	55.2630758687304	55.2630758687304
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581	96	66441	11858.8586730351	851137.13170250766	-00.7576084	348256.8921616856	341821.13668403	2983.525618836034	2875.576349644637	2815.71809646827	2814.911863799806	58.8585847643648	58.8585847643648
582	96	66442	12518.8586730351	851137.13170250766	-00.7552801	348467.922466485	341817.1477172045	2982.393241818143	2873.122581519671	2812.320149887575	2812.288994441	60.80243163213345	60.80243163213345
583	96	66443	13178.8586730351	851137.13170250766	-00.7529517	348685.956163542	341803.157847238	2981.67971382648	2871.6593403526	2808.49457823758	2808.593498497166	63.05210648980694	63.05210648980694
584	96	66444	13838.8586730351	851137.13170250766	-00.7506233	348889.8625230092	341800.168996505	2981.559179181767	2870.14749780182	2804.483622659996	2804.49952699996	65.67547151508234	65.67547151508234
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586	96	66446	15158.8586730351	851137.13170250766	-00.7459563	349294.842195955	341794.30302684	2980.39046051953	2867.065419129297	2800.97062543946	2801.532896177675	70.6740496843074	70.6740496843074
587	96	66447	15818.8586730351	851137.13170250766	-00.7436382	349463.0712623148	341797.20231959	2980.0436062305	2865.485152893103	2799.645788513114	2800.311970510689	72.83934794887	72.83934794887
588	96	66448	16478.8586730351	851137.13170250766	-00.7413099	349664.1017827458	341793.21388365	2987.636259200194	2863.6798496527	2797.942661106312	2798.7640313896033	75.112716726237	75.112716726237
589	96	66449	17138.8586730351	851137.13170250766	-00.7389815	349865.1305671636	341789.252682862	2986.229592235243	2862.239592235243	2796.042800111236	2796.7463437	76.9519232179282	76.9519232179282
590	96	66450	17798.8586730351	851137.13170250766	-00.7366531	350066.159866217	341785.27355412	2987.82168524349	2860.572802132828	2794.1515997711203	2796.796473411133	78.6259241	

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLgts.ft	SatThBoth.ft
659	66529	69938.8586730335	851137.3170250766	39.212174660160215	-100.5527129	365947.017695828	341414.705309999	2834.5927087205882	274.2358825693632	2686.818004939202	2686.225110665366	38.7208027542995	38.3137350428751
670	66530	70598.8586730335	851137.3170250766	39.212169871872014	-100.5530345	366148.05353919	341414.705309999	2830.947375982616	272.361501710388	2686.3849149109593	2686.8957814070236	38.7427698426276	36.3658267994286
671	66531	71288.8586730335	851137.3170250766	39.21216584959024	-100.5480662	366585.1591088615	341414.705309999	2826.547286819887	271.933493150665	2681.9286819151221	2681.9286819151221	38.76468163842064	34.96668163842064
672	66532	71918.8586730335	851137.3170250766	39.21216037465	-100.5457278	366520.017599576	341414.705309999	2821.30582632871	270.733698422123	2673.8031864911845	2673.8031864911845	38.76008193102772	37.5646874786427
673	66533	72578.8586730335	851137.3170250766	39.212155237163046	-100.5433995	366751.089438204	341414.705309999	2816.237875945642	271.948191295588	2666.6080810674354	2668.0553740122277	38.76331891252394	38.76331891252394
674	66534	73238.8586730335	851137.3170250766	39.2121502689802	-100.5410711	366952.0170483406	341414.705309999	2818.236587697359	261.812772501564	2656.757317564545	2656.757317564545	38.7610447719524	34.56520713294947
675	66535	73898.8586730335	851137.3170250766	39.2121455526387	-100.5387428	367153.124530011	341414.705309999	2807.786701141845	271.69619134046774	2657.773879153138	2668.2634893214154	38.7625754895634	48.73264838326203
676	66536	74558.8586730335	851137.3170250766	39.21214019789385	-100.5364144	367354.1418835865	341414.705309999	2806.375428461011	275.7608155170938	2653.4520467831587	2660.587218	42.6728677393507	55.17399451543935
677	66537	75218.8586730335	851137.3170250766	39.21213584959024	-100.5348662	367555.1591088615	341414.705309999	2804.952625637643	268.277233022528	2648.277233022528	2655.77867823555	58.19671980317345	58.19671980317345
678	66538	75788.8586730335	851137.3170250766	39.2121299451304	-100.5317571	367756.172606483	341414.705309999	2803.550453346774	271.232433727178	2645.310672319164	2649.74202796549	67.9817155351898	63.55220276234245
679	66539	76538.8586730335	851137.3170250766	39.212124536225	-100.5294294	367957.1937164887	341414.705309999	2804.013930583674	271.053324709707	2642.10196723565	2642.10196723565	69.933053037437	67.34882004
680	66540	77198.8586730335	851137.3170250766	39.21211951543791	-100.5271011	368158.210019038	341414.705309999	2806.391489848856	270.8020864831906	2640.210679660503	2642.40030581756	70.5867279174027	68.40205603142548
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682	66542	78158.8586730335	851137.3170250766	39.21210890446856	-100.5224444	368650.2432284864	341414.705309999	2807.147898317287	269.239366054117	2639.419545168657	2640.8898087575267	70.5867279174027	68.40205603142548
683	66543	78518.8586730335	851137.3170250766	39.21210351525874	-100.520116	368916.2597844504	341414.705309999	2812.786489793878	270.872045741984	2639.490177023507	2640.8898087575267	70.5867279174027	68.40205603142548
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685	66545	79498.8586730335	851137.3170250766	39.2120965071302	-100.5154693	369416.2923821405	341414.705309999	2814.786153007702	270.330229183074	2638.811266758292	2639.323397436928	70.5867279174027	68.40205603142548
686	66546	80158.8586730335	851137.3170250766	39.21208714284766	-100.513131	369634.3041059587	341414.705309999	2815.485110512296	270.23677306709421	2637.90360790421	2637.90360790421	70.5867279174027	68.40205603142548
687	66547	81818.8586730335	851137.3170250766	39.21208159000424	-100.5108026	369955.3244	341414.705309999	2815.024821247207	270.701082138527	2636.9471502847273	2636.9471502847273	70.5867279174027	68.40205603142548
688	66548	82478.8586730335	851137.3170250766	39.2120759219593	-100.5084743	369766.3041977897	341414.705309999	2815.20542742801	269.63066622251	2636.771194559218	2636.771194559218	70.5867279174027	68.40205603142548
689	66549	83138.8586730335	851137.3170250766	39.21207034906006	-100.506146	369967.3560293794	341414.705309999	2816.34819622915	269.3373783	2636.96494494048	2637.0226374655117	70.5867279174027	68.40205603142548
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693	66553	85778.8586730335	851137.3170250766	39.21204732853136	-100.4968326	370771.4174719723	341414.705309999	2794.507135438067	269.210881065913	2637.174118865393	2642.898917900542	70.5867279174027	68.40205603142548
694	66554	86438.8586730335	851137.3170250766	39.2120414608714	-100.4945043	370972.4325523617	341414.705309999	2788.840297299493	268.668497072037	2648.186865	2648.0180601812808	70.5867279174027	68.40205603142548
695	66555	87098.8586730335	851137.3170250766	39.21203548251485	-100.4921759	371173.4475084212	341414.705309999	2786.32905987166	268.691765900865	2645.518191	2654.358220046265	70.5867279174027	68.40205603142548
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698	66558	88718.8586730335	851137.3170250766	39.2120195451304	-100.4851918	371756.4779483387	341414.705309999	2788.185251841415	267.109165124292	2645.310672319164	2645.310672319164	70.5867279174027	68.40205603142548
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700	66560	90398.8586730335	851137.3170250766	39.21200531051759	-100.4805342	372178.520430334	341414.705309999	2787.119068739656	267.642406433544	2668.02548332966	2668.02548332966	70.5867279174027	68.40205603142548
701	66561	91058.8586730335	851137.3170250766	39.21199912805072	-100.4782059	372379.5346513243	341414.705309999	2787.55427842057	267.62501562365	2668.661279948039	2668.661279948039	70.5867279174027	68.40205603142548
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706	66566	94358.8586730335	851137.3170250766	39.21196744116735	-100.4665642	373384.6037729446	341414.705309999	2791.452230136205	266.7685818455917	2619.37805320354	2619.37805320354	70.5867279174027	68.40205603142548
707	66567	95018.8586730335	851137.3170250766	39.2119608810064	-100.4642359	373585.6173572614	341414.705309999	2783.85955027921	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
708	66568	95678.8586730335	851137.3170250766	39.2119549514031	-100.4619075	373786.6307155508	341414.705309999	2783.16525682572	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
709	66569	96338.8586730335	851137.3170250766	39.21194894927699	-100.4595792	373987.6435623754	341414.705309999	2783.7861737582	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
710	66570	96998.8586730335	851137.3170250766	39.21194146205507	-100.4572592	374188.6570971914	341414.705309999	2782.943075667312	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
711	66571	97658.8586730335	851137.3170250766	39.21193384923992	-100.454981	374389.66729992	341414.705309999	2782.119068739656	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
712	66572	98318.8586730335	851137.3170250766	39.21192615267812	-100.4525292	374590.682	341414.705309999	2781.210831155652	266.754381	2615.172631520673	2615.172631520673	70.5867279174027	68.40205603142548
713	66573	98978.8586730335	851137.3170250766	39.21192143503209	-100.4502569	374791.6958689565	341414.705309999	2775.230277176884	265.919706208903	2612.80195505397	2612.8019		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SRatHogBoth.ft	SurfBoth.ft
55	91	66655	-33501.1413	851797.3170250766	39.20843611060472	-101.9822951	242493.69314605178	43441.45941134925	3925.304515849408	371.733895461051	3657.393798603097	3655.2586298351096	88.9800968774105	91.11806653
56	91	66656	-33461.1413	851797.3170250766	39.20845895148954	-101.979967	242694.751072747	43441.4159001377	3925.00640726048	374.6734513711754	3655.203900467208	3658.950976760694	89.4695503036659	94.1365046007893
57	91	66657	-33381.1413	851797.3170250766	39.2084817	-101.977839	242895.918043907	43441.379424596	3924.703638590816	375.62778517554	3654.9480257868494	3658.922778517554	89.0480257868494	94.1365046007893
58	91	66658	-33321.1413	851797.3170250766	39.20850444934424	-101.9751109	243007.0462511661	43441.33607269	3924.41019	374.3317728448	3653.014539004744	3652.80720060240	88.51902403306659	88.5272478624365
59	91	66659	-33261.1413	851797.3170250766	39.20852713899526	-101.972828	243298.1814433437	43441.2960457394	3923.03178825367	373.6953007303277	3652.8145263888277	3648.91766048105	86.880734	90.7776424626864
60	91	66660	-33201.1413	851797.3170250766	39.20854978368177	-101.9706548	243499.3163811038	43441.252606958	3920.37513436013	373.0745573517554	3652.937884658354	3644.96128471872007	85.113296690741081	93.113296690741081
61	91	66661	-33141.1413	851797.3170250766	39.20857233403078	-101.9683267	243700.4510646478	43441.21400419605	3918.11436062367	373.649660411765	3653.7980936843794	3645.7884234088267	82.67156054828547	90.8142203293812
62	91	66662	-33081.1413	851797.3170250766	39.20859494	-101.9669897	243901.58549417954	43441.1735000391	3916.507629311707	374.8728421131	3654.420204609204	3651.1881873368197	83.6906981726816	93.6906981726816
63	91	66663	-33021.1413	851797.3170250766	39.208617476545	-101.965376	244102.71669806927	43441.1338142244	3914.783006786252	375.023963782522	3653.674272657252	3653.182275717515	80.1698623706655	90.1698623706655
64	91	66664	-32961.1413	851797.3170250766	39.20863912781715	-101.9631342	244303.8535920365	43441.0914867509	3907.90630458699	373.7211145608194	3651.112550811067	3644.0141453598312	77.125691469312	91.725691469312
65	91	66665	-32901.1413	851797.3170250766	39.2086623264555	-101.9609145	244504.38726077014	43441.05049618	3903.7096127195576	373.01593474090305	3646.7344134209855	3636.0270741532004	83.4243040004098	94.13227532583011
66	91	66666	-32841.1413	851797.3170250766	39.2086847054436	-101.9586684	244706.12067631145	43441.0117668263	3899.42914900425	372.85903924169575	3641.5124373473604	3628.47307	80.775650969701	90.775650969701
67	91	66667	-32781.1413	851797.3170250766	39.208707073478334	-101.9564358	244907.2538388715	43440.96345378	3896.242707766625	372.077173810518	3635.49551353663	3618.9652471450538	81.12396231897561	90.12396231897561
68	91	66668	-32721.1413	851797.3170250766	39.2087323427443	-101.9542033	245108.38674854546	43440.921602597	3891.1690598082714	372.93403872369	3629.4542826157	3612.92784265064	75.9685861079093	113.2293146131488
69	91	66669	-32661.1413	851797.3170250766	39.20875156245168	-101.9497022	245309.3195956042	43440.887884439	3887.095896662414	372.8362145682227	3623.1471820366423	3614.5922684083545	70.7049645508357	108.7049645508357
70	91	66670	-32601.1413	851797.3170250766	39.208773574914024	-101.947741	245510.8518106972	43440.8468270458	3883.0217178714875	372.725024614545	3612.724296346559	3620.285129619653	65.01252515489534	101.969411539482
71	91	66671	-32541.1413	851797.3170250766	39.20879690756542	-101.945406	245711.7839332752	43440.809064	3879.75672786095	372.605197085208	3612.026808973331	3624.335244259298	60.62488211187722	95.3610545855794
72	91	66672	-32481.1413	851797.3170250766	39.208818012674804	-101.942718	245912.9156468081	43440.7651271783	3877.2974167670515	371.91022681532341	3626.03629346144	3611.1228734512635	52.9863880355278	92.9863880355278
73	91	66673	-32421.1413	851797.3170250766	39.208840072819186	-101.940389	246114.0751305102	43440.724367485	3874.8318063543086	371.7528446997554	3605.2796046947096	3621.8883566017933	51.1044423028475	95.49569094
74	91	66674	-32361.1413	851797.3170250766	39.20886208009402	-101.9380618	246315.1790140543	43440.6837590404	3872.380795941147	371.58134143412	3604.763731226984	3610.96451450538	46.112396241411425	100.77349178346085
75	91	66675	-32301.1413	851797.3170250766	39.20888405823253	-101.9357337	246516.3101565162	43440.6400216	3870.5819127247503	371.43396204815	3606.1290536782067	3603.766644	40.77960272993812	110.2873182602475
76	91	66676	-32241.1413	851797.3170250766	39.20890594347253	-101.9334056	246717.44105144995	43440.600479	3868.3524567075126	370.93597715959	3604.7304497151276	3593.534533898697	35.6209579604767	118.2035441869838
77	91	66677	-32181.1413	851797.3170250766	39.20892791375623	-101.9311719	2469125.3509138246	43440.5513381661	3866.324567075126	370.831924742744	3603.917829345643	3611.81037829345643	35.6209579604767	108.7049645508357
78	91	66678	-32121.1413	851797.3170250766	39.20894960974896	-101.9287495	247119.7020857214	43440.5023274026	3866.953545	370.80943418376538	3614.6565273081825	3584.564700770369	34.23859105940082	124.33470175927485
79	91	66679	-31961.1413	851797.3170250766	39.20897148428144	-101.9262414	247320.83223147594	43440.4571934708	3864.871497110896	370.714082003119	3617.11686	3580.6203735141592	30.030670488885	119.51704322212697
80	91	66680	-31881.1413	851797.3170250766	39.208993243816084	-101.9240933	247521.9621239112	43440.4370806897	3861.906580191437	3615.512539311437	3619.11670578953	3587.9159447450297	26.2348181455008	117.43557916811396
81	91	66681	-31811.1413	851797.3170250766	39.209014835238656	-101.9217652	247723.0917676239	43440.390500825	3858.94219299544	370.353488060854	3620.673591401329	3582.816695592497	116.2827141062142	116.2827141062142
82	91	66682	-31748.1413	851797.3170250766	39.20903659069586	-101.9194371	247924.2211586486	43440.3570967656	3855.97757983044	370.169105735132	3621.9202624	3588.129491671052	79.7704343871189	115.71565664821003
83	91	66683	-31682.1413	851797.3170250766	39.20905901118757	-101.9171979	248125.3509138246	43440.31728029	3853.090860662414	369.8764447564479	3619.532091292641	3611.263599472888	68.34041846	96.60004809159116
84	91	66684	-31616.1413	851797.3170250766	39.20907917813806	-101.9147809	248324.9472595152	43440.273495093	3849.73045477578	369.8079450042177	3619.945038514465	3610.417920545703	64.78025129203044	98.36881192200344
85	91	66685	-31550.1413	851797.3170250766	39.20910128774515	-101.9124528	248527.067835071	43440.2349695295	3846.673592141835	3695.9713036250323	3617.3525210076	3613.092619426107	70.33809110402472	82.8768418992358
86	91	66686	-31484.1413	851797.3170250766	39.20912276269626	-101.9102427	248728.73623334742	43440.193010676	3843.995010784987	3622.5480061913055	3624.14872514096	3614.514088719236	69.85077546420284	94.85077546420284
87	91	66687	-31418.1413	851797.3170250766	39.2091441399181	-101.9077967	248929.86493730624	43440.153055321	3840.64629	3691.992506111108	3621.930414770422	3629.35740336864	70.0620913406604	62.6346214221084
88	91	66688	-31352.1413	851797.3170250766	39.209165579163034	-101.9054868	249130.9922765857	43440.1121728125	3837.977669099815	3689.94819250117	3620.765389742834	3632.477493931099	69.18280847539199	57.4079841391396
89	91	66689	-31286.1413	851797.3170250766	39.20918691985124	-101.9031405	249324.1195240331	43440.0715271825	3835.309084016759	3687.964447564479	3619.532091292641	3611.263599472888	68.34041846	96.60004809159116
90	91	66690	-31220.1413	851797.3170250766	39.20920822	-101.9008124	249512.9472595152	43440.03728029	3832.64081114382	3685.79165168915	3618.22740274474	3627.370325174465	67.78025129203044	98.36881192200344
91	91	66691	-31154.1413	851797.3170250766	39.20922946636037	-101.8984842	249724.9747843785	43439.9964583638	3830.7530471302958	3683.57004370406884	3617.0843629812233	3622.625414793228	64.78025129203044	98.36881192200344
92	91	66692	-31088.1413	851797.3170250766	39.20925067216123	-101.8961561	249935.5013830704	43439.961101967	3828.1489050479913	3681.3565224765084	3615.689639608615	3617.920149970141	65.668827956295	63.43637250509708
93	91	66693	-31022.1413	851797.3170250766	39.20927183296626	-101.893828	250136.628040521	43439.9387653317	3826.040447795132	3679.096931150316	3614.8409260009653	3614.22748989199	62.5870511406629	64.8778418992358
94	91	66694	-30956.1413	851797.3170250766	39.2092924886538	-101.891499	250337.8544959057	43439.904774777	3823.939408713677	3676.80136	3614.0384077560357	3611.35587088806	61.5727779624951	64.4542646374962
95	91	66695	-30890.1413	851797.3170250766	39.2093142	-101.8891718	250538.88061188674	43439.881485643	3820.072945231264	3675.457220106927	3613.249787675072	3609.5284149667717	61.2077343439081	65.2017074191042
96	91	66696	-30824.1413	851797.3170250766	39.20933504570581	-101.8868437	250740.0065271089	43439.87604	3814.44559016648	3672.017859450535	3613.044500128736	3607.2402664014	59.02739916320916	64.8614341810339
97	91	66697	-30758.1413	851797.3170250766	39.2093569821586	-101.884525	250940.04908625	43439.8417659293	3812.490174591384	3670.9174591384	3612.942598797948	3606.1290536782067	57.4079841391396	94.85077546420284
98	91	66698	-30692.1413	851797.3170250766	39.20937662681825	-101.8821875	251140.257176173025	43439.81044808055	3803.1899550969892	3663.57004370406884	3617.0843629812233	3622.625414793228	64.78025129203044	98.36881192200344
99	91	66699	-30626.1413	851797.3170250766	39.20939783721256	-101.8798594	251343.3827927812	43439.783134894	3801.4727583	3664.663273674657	3619.0579937091			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatThLgns	SatThBoth.ft
181	91	66781	-252141.1413	851797.3170250766	39.21095789573898	-101.6889498	267834.82835526473	4433632.658751175	3645.434401989094	3513.9395572485582	3501.2271069654229	3524.39265988168	12.7175059432926	0
182	91	66782	-251481.1413	851797.3170250766	39.2109575446298	-101.6886216	268035.9373299575	4433628.597	3642.8952852761295	3511.7864190761675	3498.7666537876707	3521.460037498274	12.999657288496747	0
183	91	66783	-250821.1413	851797.3170250766	39.21095716821786	-101.6884384	268237.0389013348	4433624.3529586647	3644.8024761704435	3509.6414412049667	3497.2548476708014	3522.388557600371	12.38648353416531	0
184	91	66784	-250161.1413	851797.3170250766	39.21100924	-101.6819652	268438.14380978035	4433620.473058219	3646.1750036793074	3507.50511963701592	3495.815423043933	3505.1963672015922	11.699664745865	0
185	91	66785	-249501.1413	851797.3170250766	39.2102626802016	-101.679637	268639.24873146345	4433616.411525717	3647.54712432555637	3505.377357134602	3494.4796155864105	3525.3041711923634	10.89972172404966	0
186	91	66786	-248841.1413	851797.3170250766	39.2110433966753	-101.6773087	268840.35263550635	4433612.350175781	3648.920064831729	3503.258061	3493.198843650443	3526.41703128852	10.09272166	0
187	91	66787	-248181.1413	851797.3170250766	39.211060173545554	-101.6749805	269041.4575472877	4433608.2890083995	3650.7345731099394	3501.1471468741083	3491.983412454238	3528.419537347238	9.16373419870252	0
188	91	66788	-247521.1413	851797.3170250766	39.2110706245451	-101.6726523	269242.561126494	4433604.228037492	3652.9910590901927	3499.044581810337	3489.684779955164	3529.239095707886	8.359813814250427	0
189	91	66789	-246861.1413	851797.3170250766	39.210939359454	-101.6703241	269443.6654545073	4433600.167221275	3656.96018690334043	3496.96018690334043	3488.9523719302169	3531.5740591814465	8.326914501225478	0
190	91	66790	-246201.1413	851797.3170250766	39.2111170534255	-101.6673695	269644.7691	4433596.10560115	3657.540031050984	3494.864597485395	3487.5982205059822	3535.675559212555	7.262176973362305	0
191	91	66791	-245541.1413	851797.3170250766	39.21112746	-101.6656676	269845.87244259164	4433592.06146291	3658.3763668142068	3492.784740480803	3488.2662256298895	3542.8190410506769	6.4521200410950679	0
192	91	66792	-244881.1413	851797.3170250766	39.211144168396544	-101.6633394	270046.975957417	4433587.98590892	3657.864552361132	3490.7192394131325	3485.957934112014	3539.322797170073	5.276130501118682	0
193	91	66793	-244221.1413	851797.3170250766	39.21116083245857	-101.6610112	270248.07852535055	4433583.928537386	3657.372790080037	3488.6597748120516	3486.989571851204	3543.326861	4.7602029580205817	0
194	91	66794	-243561.1413	851797.3170250766	39.21117751551116	-101.6586829	270449.181226255	4433579.865047695	3656.8409234548753	3486.6071301170936	3486.0716347986395	3549.923340010085	0.5345953121541257	0
195	91	66795	-242901.1413	851797.3170250766	39.21119402567418	-101.6563547	270650.28307006976	4433575.860549055	3656.698989348448	3484.56622723956213	3485.208207662023	3525.97324212222	0	
196	91	66796	-242241.1413	851797.3170250766	39.21121055482771	-101.6540205	270851.3859479885	4433571.746715804	3656.9179355887213	3482.5192156609033	3484.404796976594	3522.5430462701793	0	
197	91	66797	-241581.1413	851797.3170250766	39.21122703901169	-101.6516893	271052.4879682071	4433567.687375386	3657.1398818289945	3480.4840081817974	3483.658148566246	3519.66498487325	0	
198	91	66798	-240921.1413	851797.3170250766	39.211243478226095	-101.64937	271253.5897644709	4433563.628213849	3657.36182069268	3478.455053240036	3482.485073695958	3520.583142815185	0	
199	91	66799	-240261.1413	851797.3170250766	39.21125987247084	-101.6470418	271454.6913337474	4433559.569235614	3655.377963486177	3476.4316730617443	3481.936093	3519.5707939781526	0	
200	91	66800	-239601.1413	851797.3170250766	39.2112762174598	-101.6447136	271655.7926773125	4433555.104417681	3651.188289170643	3474.414112463841	3481.360934163814	3518.486164017357	0	
201	91	66801	-238941.1413	851797.3170250766	39.21129252605142	-101.6423893	271856.893795379	4433551.451829414	3646.98964481469	3472.402661047341	3481.2853195444427	3517.935394241332	0	
202	91	66802	-238281.1413	851797.3170250766	39.2113067635923	-101.6400571	272057.9487812097	4433542.28937492	3642.8093938122947	3470.3973279187043	3481.045104	3516.146484	0	
203	91	66803	-237621.1413	851797.3170250766	39.2113213519078	-101.637289	272245.9331502082	4433538.1501208	3642.9381148745005	3468.9327940004086	3514.8954396811067	3514.8954396811067	0	
204	91	66804	-236961.1413	851797.3170250766	39.211341169157414	-101.6354006	272460.159896025	4433539.27708497	3636.832195627755	3466.404954826223	3471.70155484939	3513.7680784875843	0	
205	91	66805	-236301.1413	851797.3170250766	39.21135723538795	-101.6330724	272661.2961	4433535.29	3634.25442543877863	3464.4191865554517	3481.7233604728704	3512.5881666887903	0	
206	91	66806	-235641.1413	851797.3170250766	39.21137337304038	-101.6307441	272862.39611036587	4433531.161502205	3631.656315167818	3462.4007711378335	3481.0810440017635	3509.676949805486	0	
207	91	66807	-234981.1413	851797.3170250766	39.21138940752707	-101.6284159	273063.4958797379	4433527.1039844295	3628.454031670255	3460.469694456353	3479.9358007409214	3508.36168313444	0	
208	91	66808	-234321.1413	851797.3170250766	39.211405397043897	-101.6260877	273264.5954250479	4433523.046849057	3624.637403905097	3458.508854535787	3479.867384565257	3507.5454037024942	0	
209	91	66809	-233661.1413	851797.3170250766	39.21142135193977	-101.623789	273465.8947649978	4433518.88946806	3620.829178198938	3456.5486557291883	3478.637273284381	3506.743930698683	0	
210	91	66810	-233001.1413	851797.3170250766	39.21143724116179	-101.6215743	273668.933242066	4433514.9325409	3617.9142747808	3454.597841029194	3478.1540516134546	3506.178268857497	0	
211	91	66811	-232341.1413	851797.3170250766	39.21145305977465	-101.6191029	273867.8927186363	4433510.875737299	3614.944422783705	3452.654041123599	3478.3169429327904	3506.898521004386	0	
212	91	66812	-231681.1413	851797.3170250766	39.21146890541157	-101.6167747	274068.991369736	4433506.819131469	3614.6415993777086	3450.780295609087	3475.991219728247	3506.9129125216888	0	
213	91	66813	-231021.1413	851797.3170250766	39.21148467007846	-101.6144464	274270.088	4433502.76270001	3614.3378759684063	3448.7893474531907	3473.5194392038024	3509.16862	0	
214	91	66814	-230361.1413	851797.3170250766	39.2115033977528	-101.6121182	274471.18003325	4433498.70466914	3614.035952558385	3446.865973750714	3471.868291291682	3506.349073691397	0	
215	91	66815	-229701.1413	851797.3170250766	39.21151660450197	-101.609789	274672.28595851947	4433494.5604081655	3612.8057462292515	3444.948458009713	3470.862562919216	3494.405220473832	0	
216	91	66816	-229041.1413	851797.3170250766	39.21153169452582	-101.6074617	274873.3837457914	4433490.594531767	3614.03151671655	3443.9317402788723	3467.307402788723	3470.511489716228	0	
217	91	66817	-228381.1413	851797.3170250766	39.21154727904487	-101.6051334	275074.481287431	4433486.538877038	3607.714234070391	3441.193103095387	3465.710830774397	3469.229768857497	0	
218	91	66818	-227761.1413	851797.3170250766	39.211562818861204	-101.6028052	275275.575699602	4433482.483325977	3605.264112239125	3439.20932084182	3463.094228	3468.93974399391	0	
219	91	66819	-227101.1413	851797.3170250766	39.2115783170719	-101.6004769	275476.6789638089	4433478.427996571	3604.337825860364	3437.300555388791	3460.7969517696943	3486.20861262403	0	
220	91	66820	-226401.1413	851797.3170250766	39.21159376382954	-101.5981487	275677.72566332	4433474.37284942	3604.989454711236	3435.398324	3458.611594773516	3485.27819489535	0	
221	91	66821	-225741.1413	851797.3170250766	39.21160916848841	-101.5958204	275879.8829714556	4433470.318	3605.640208896213	3433.495349849385	3456.5634412207432	3484.123325239324	0	
222	91	66822	-225081.1413	851797.3170250766	39.211626452842384	-101.5934822	276079.9654738546	4433466.263102225	3606.2914720512986	3431.593571089488	3454.843330217823	3482.482147172629	0	
223	91	66823	-224421.1413	851797.3170250766	39.21164283338838	-101.5912082	276280.93343983	4433462.089243348	3605.289127511434	3430.177347344	3450.97308968683	3481.73058968683	0	
224	91	66824	-223761.1413	851797.3170250766	39.21165511332854	-101.5888357	276492.157844807	4433458.154084145	3602.612444	3427.791134891548	3451.565239937964	3479.3448427171	0	
225	91	66825	-223101.1413	851797.3170250766	39.21167033406904	-101.5865074	276683.2536120557	4433454.1	3599.942671240371	3425.89004288649	3504.583628092717	3477.633772600094	0	
226	91	66826	-222441.1413	851797.3170250766	39.21168551846054	-101.5841791	276884.3492	4433450.054795187	3597.27898284983	3423.985674884854	3449.420906045967	3475.873306998584	0	
227	91	66827	-221781.1413	851797.3170250766	39.21170065334716	-101.5818509	277085.4484828894	4433445.991921049	3593.9232849785817	3422.0862445819253	3448.443108678195	3474.079527	0	
228	91	66828	-221121.1413	851797.3170250766	39.21171574365644	-101.5792526	277266.53993567	4433441.93232592	3589.891131321168	3420.18422216662	3447.655389784598	3472.26104154573	0	
229	91	66829	-220461.1413	851797.3170250766	39.21173078879862	-101.5771944	277487.6344896953	4433437.84729723	3588.658878763785	3418.7467458622736	3446.12800772646	3470.511489716228	0	
230	91	66830	-219801.1413	851797.3170250766	39.21174577697025	-101.5748567	277698.7291481814	4433433.6						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgs.fg	BRElevKgs.ft	LatElevKgs.fg	SurfBoth.ft
307	69007	-169881.1413	851797.3170250766	39.2127657355565	-131.3595872	293172.375653141	4343122.272117655	340.948803734123	364.97891738679366	3245.978912340488	3256.8019383414053	1742582637485598	6.60280336531345	
308	69010	-168201.1413	851797.3170250766	39.21277425944457	-131.380258	293373.4552374589	4343118.22368591	3441.9749317091287	3256.96649004719	3244.9368847217375	3244.9368847217375	172763423258138	7.2763047042649	
309	69009	-168661.1413	851797.3170250766	39.21276594336099	-131.3909205	293574.5317981436	4343114.194024778	340.9109766641344	3253.246926459783	3249.874869129094574	3253.463735735877	16.84981329094972	7.28916888122192	
310	69010	-167001.1413	851797.3170250766	39.21260009580485	-131.386022	293375.609556677	4343110.2556008	3442.017576591396	3259.4339889666	3441.75325	3253.655182376463	17.12007881867543	5.798235642019579	
311	69011	-166341.1413	851797.3170250766	39.21281145327617	-131.3862739	293397.681302434	4343106.116678475	3444.241548194139	3258.186631244516	3239.4335638304783	3249.347355885821	18.75306741403756	8.83927358694977	
312	69012	-165681.1413	851797.3170250766	39.211422276774895	-131.3839455	294177.7645	4343102.072272772	344.6414112892996	3256.942178	3237.2688719885996	3247.4819105234437	17.76330525190244	9.042660699	
313	69013	-165021.1413	851797.3170250766	39.21283403330102	-131.3816172	294378.8416513547	4343098.040486905	3443.0467348340443	3255.721326061708	3234.970455904404	3246.2655251542674	20.75058670176668	9.455784151903234	
314	69014	-164361.1413	851797.3170250766	39.2182452558454	-131.3792889	294579.9186	4343092.02006223	3442.4439324776506	3254.523218303197	3232.617436444348	3245.834937458058	21.70581858849428	11.66828074684974	
315	69015	-163701.1413	851797.3170250766	39.21286542336309	-131.3769869	294786.946931157	4343084.1453632	3441.740100908122	3253.246926459783	3239.4115592369264	3242.488153515523	22.334533705969984	12.2916888122192	
316	69016	-163041.1413	851797.3170250766	39.21286756604357	-131.3745232	294582.9179160023	4343086.2646906	3440.919053502142	3252.187942081423	3232.1990950514225	3239.40106590514225	23.988943031022584	11.27728302997761	
317	69017	-162381.1413	851797.3170250766	39.2128765367908	-131.3723039	295183.1483	4343081.88866425	3440.098006962324	3251.0465323214485	3228.2146302409988	3238.0291802804917	13.01676400080417	13.01676400080417	
318	69018	-161721.1413	851797.3170250766	39.2128896634187	-131.3699755	295384.2241681195	4343085.851652335	3439.276959758443	3249.80216977794	3224.2887096193776	3216431569490015	25.631507358416457	15.10452276779121	
319	69019	-161061.1413	851797.3170250766	39.21290064031944	-131.3676472	295555.3006514427	4343073.85157122	3435.5549437964685	3248.90532617877	3222.4559302617877	3230.943542562335	26.88429334680337	17.863290569304	
320	69020	-160401.1413	851797.3170250766	39.212911646749255	-131.3653188	295786.3711236924	4343069.77764876	3428.932121059953	3246.707985997764	3221.260717805444	3226.578932810386	26.46807943322374	17.127786579230877	
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322	69022	-159081.1413	851797.3170250766	39.21293341726554	-131.360662	296185.527004133	4343061.704203656	3415.686367417934	3245.539486	3217.776258725812	3217.909146493081	27.76122608157323	27.76122608157323	
323	69023	-158421.1413	851797.3170250766	39.212944235064484	-131.3583338	296389.607494348	4343067.667795367	3413.346154767897	3244.471371487393	3217.184906288153	3215.801392821833	27.28622791957787	28.6697448620984	
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325	69025	-157101.1413	851797.3170250766	39.21296573574383	-131.3536771	296791.7518303446	4343049.95652394	3417.2312134602374	3242.352787309044	3216.412788	3212.5363030656672	25.944993827366	28.920675234396066	
326	69026	-156441.1413	851797.3170250766	39.21297641862416	-131.3513488	296992.8263832327	4343045.59566993	3419.173480330057	3411.213309699053	3214.721046990197	3212.171203504446	26.58429297975328	29.130910961590255	
327	69027	-155781.1413	851797.3170250766	39.21298705653168	-131.3490205	297193.9007291284	4343041.523977508	3418.7851027953507	3240.27508423018	3213.2479911349023	3210.317699500764	27.02235305316577	27.25282444	
328	69028	-155121.1413	851797.3170250766	39.2129764946651	-131.3469261	297390.7474746656	4343037.48467625	3416.05982055111	3239.237684023095	3210.872546444556	3210.835119565394	28.80316750555878	28.80316750555878	
329	69029	-154461.1413	851797.3170250766	39.21314122338922	-131.3414092	297690.292185574	4342981.010519172	3412.954055409138	3239.2148351786	3210.2186351786	3210.2186351786	29.110245847119	29.110245847119	
330	69030	-153801.1413	851797.3170250766	39.21301870041657	-131.3420054	297797.1225657526	4343029.814019595	3410.627741024752	3237.193655156405	3207.3240224516494	3212.91431023366	29.8687327045553	29.8687327045553	
331	69031	-153141.1413	851797.3170250766	39.21302915843747	-131.3397071	297998.1962172637	4343025.383061742	3410.677728664435	3236.184442205797	3205.105221824745	3212.91257785828	31.0722239536477	20.7222241205713	
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335	69035	-150501.1413	851797.3170250766	39.213070594	-131.3300833	298802.4884270668	4343009.52651597	3391.61798341264	3232.21422050978	3198.943587685172	3198.943587685172	32.738129056559	35.63393496871576	
336	69036	-149841.1413	851797.3170250766	39.21309077329063	-131.3278253	299033.56004249	4343003.211002693	3391.40934272628	3231.249128219514	3196.814432967248	3216.617789502491	32.700785021463	32.700785021463	
337	69037	-149181.1413	851797.3170250766	39.2130906269806	-131.325737	299204.6333416284	4343017.1352244	3391.275501445026	3230.2949417880177	3196.7800241927316	3201.9257154725265	33.94167159582608	38.289226315491233	
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339	69039	-147861.1413	851797.3170250766	39.21311210353356	-131.3210803	299606.774715867	4342993.11	3388.8686	3228.450978360456	3193.16741827948	3202.7165707850254	35.25796000897396	25.708527051020155	
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341	69041	-146541.1413	851797.3170250766	39.21313126507651	-131.3164268	300008.9280109685	4342985.43495959	3377.870190421086	3226.604895440828	3197.766259447328	3198.9806245658277	26.8282604969029	27.62458517894663	
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343	69043	-145221.1413	851797.3170250766	39.2131514726269	-131.3116728	300411.063369501	4342976.877704162	3371.311645252977	3224.831718927653	3195.16234078867787	3195.028337168886	38.98311040874141	29.80229421076749	
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346	69046	-143241.1413	851797.3170250766	39.213180631902745	-131.3047818	301014.27572250867	4342964.88041496	3370.9434891627448	3222.5818960056148	3181.389905126805	3186.6514857271063	40.868284553260764	35.06534931	
347	69047	-142581.1413	851797.3170250766	39.213190373048215	-131.3024535	301215.4611726995	4342964.88443793	3369.34749857747	3221.4253153740674	3179.8617479304086	3182.216599323842	41.56367345358384	37.21256564	
348	69048	-141921.1413	851797.3170250766	39.21320006382039	-131.3001251	301415.6161666024	4342956.817	3365.884927612433	3220.608937635385	3178.3639628739043	3175.317356999004	42.242747613899	38.0895076383087	
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350	69050	-140601.1413	851797.3170250766	39.21321931584479	-131.2956484	301815.5614101974	4342948.735365395	3363.9177112832	3219.01684972444	3175.3396075851244	3174.8040146	43.577206311999	40.53676249434101	
351	69051	-139941.1413	851797.3170250766	39.21322887439696	-131.29314	302019.6257446545	4342944.722073322	3363.5736897810534	3218.24690490317444	3173.986296502405	3176.628802662928	43.62865252933495	41.162836905165	
352	69052	-139281.1413	851797.3170250766	39.21323883795777	-131.2908117									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.	BRIElevBothKgf.	SatHtBothKgf.	SatHtBoth.ft
433	61703	-85822.14133	85179.73170250766	39.21338959280424	-101.1022129	181806.6910993027	4342614.769437998	3456.757542686231	3044.7769186215737	3024.434734562555	3015.70593825937373	3042.184059185654	39.06697969893638	
434	61703	-85161.14133	85179.73170250766	39.213389546	-101.0998287	181707.74526318905	4342610.73132685	3457.843735965758	3052.278312594259	3021.390685905555	3008.37504718299	3040.786169956757	42.90297238123766	
435	61703	-8490.14133	85179.73170250766	39.21381723059768	-101.0838587	181699.4976182134	4342607.37108838	3328.274571556735	3049.26989347715	3013.4281989569776	3005.7014468783776	3043.931427892261	41.53214989699546	
436	61703	-83641.14133	85179.73170250766	39.21367697200739	-101.0952277	181709.8530581034	4342602.71064042	3235.006556514036	3047.21348878062	3015.024304236184	3008.105696	32.1890545443366	39.10665274232125	
437	61703	-83181.14133	85179.73170250766	39.213388266	-101.0828983	181930.1060690363	4342598.70530096	3231.845542	3044.638989660035	3011.769735219196	3020.252819214107	32.8695258604919	36.7137073862433	
438	61703	-82521.14133	85179.73170250766	39.2138830603195	-101.0905709	181951.16014527604	4342594.689177089	3228.613068382767	3042.026843663753	3008.68978591045	3007.043212	33.36757078	34.98342725605434	
439	61703	-81861.14133	85179.73170250766	39.2138390394918	-101.0882425	181973.1034346193	4342590.6743159145	3225.6886241400256	3039.027158161323	3005.93271583166375	3006.9119202837855	32.760394967488	33.25101297852689	
440	61704	-81021.14133	85179.73170250766	39.2138994653055	-101.0859141	181974.06652512227	4342586.659904465	3225.017245550087	3036.61037750369	3001.040428518634	3006.18097498505474	30.471964121313704	30.471964121313704	
441	61704	-80641.14133	85179.73170250766	39.21396497618728	-101.0838587	182015.11945946217	4342582.84463538	3228.3462266681474	3033.88954565085	2997.35844573776	3005.7014468783776	3043.931427892261	38.18791475871473	
442	61704	-79821.14133	85179.73170250766	39.2139104203931	-101.081275	182017.121995879	4342576.62919335	3217.675213770203	3025.045303517016	2991.746634794343	2999.9857727395	32.890867537295	31.05980777727084	
443	61704	-79221.14133	85179.73170250766	39.213915863036746	-101.0789289	182017.222477300133	4342576.614513767	3215.388819096876	3028.116029831876	2985.159055256262	3000.4983715618923	32.890867537295	27.617871925298	
444	61704	-78561.14133	85179.73170250766	39.2139212389947	-101.0766005	182017.2717706098	4342576.60001264	3213.547054601504	3025.067882313223	2977.4984209451072	2995.82933745613	47.58946728621504	29.60395858512908	
445	61704	-77901.14133	85179.73170250766	39.21392656996753	-101.0747271	182019.3239927163	4342566.659696268	3211.285271283425	3021.0513208378225	2969.161882973936	2990.271624	51.679697184512063	31.679697184512063	
446	61704	-77241.14133	85179.73170250766	39.21393186	-101.0719437	182120.1843952715	4342565.571558386	3208.6834987269933	3018.719041111128	2959.9510510335176	2981.3615744411103	48.75085307761037	37.34032769943235	
447	61704	-76581.14133	85179.73170250766	39.21393707035976	-101.0696153	182121.4333112474	4342565.567601071	3207.527592915044	3015.7059382593737	2951.803996935373	2971.9813647111103	43.9846079024556	43.9846079024556	
448	61704	-75921.14133	85179.73170250766	39.213942223103514	-101.0672869	182122.455	4342554.54	3205.118565484933	3011.871969027284	2943.30518190963	2957.895756922304	65.57130321093532	53.976291048904	
449	61704	-75261.14133	85179.73170250766	39.2139474419276	-101.064585	182123.726353023014	4342554.50228105	3202.70920015818744	3008.312580325006	2935.747278477226	2958.62039804252	72.56530186	72.7806737045872	
450	61705	-74601.14133	85179.73170250766	39.21395255030728	-101.0626301	182124.587677904	4342546.517	3200.29937	3004.689293331876	2929.259354626756	2946.584626394257	120.069434983186	120.069434983186	
451	61705	-73941.14133	85179.73170250766	39.2139576114708	-101.0603017	182215.6390513404	4342542.503577309	3198.366837340286	3001.0524746578426	2923.999440237353	2873.91684273936	77.05250772049021	127.860763839005	
452	61705	-73281.14133	85179.73170250766	39.2139627621204	-101.0579733	182236.6900505385	4342538.49052705	3196.910201346864	2997.506015362564	2920.050402056094	2893.546623758782	110.4597057749608	110.4597057749608	
453	61705	-72621.14133	85179.73170250766	39.2139679880325	-101.0556448	182227.740678105	4342538.47	3195.453653734424	2994.297482141156	2915.68089810495	2896.056109590597	78.6093583296699	89.2313181849522	
454	61705	-71961.14133	85179.73170250766	39.2139725501784	-101.0533164	182227.740678105	4342538.47	3195.453653734424	2994.297482141156	2915.68089810495	2896.056109590597	78.6093583296699	89.2313181849522	
455	61705	-71301.14133	85179.73170250766	39.213976981298	-101.0510717	182236.6900505385	4342538.49052705	3196.910201346864	2997.506015362564	2920.050402056094	2893.546623758782	110.4597057749608	110.4597057749608	
456	61705	-70641.14133	85179.73170250766	39.21398224524464	-101.0486596	182310.8923113341	4342522.44010933	3187.1027026208	2988.04972645456	2895.073575151103	2815.462558585465	93.675971334279	70.5871167260059	
457	61705	-69981.14133	85179.73170250766	39.21398703358163	-101.0463213	182331.842434612	4342518.427957825	3189.44102484807	2988.0509396252	2901.49361186069	2956.081581851934	65.5714821183006	31.98425111058563	
458	61705	-69321.14133	85179.73170250766	39.21399178013196	-101.0440028	182332.9940206922	4342514.41958665	3187.9100153404074	2987.043399114037	2914.515340346156	2945.58675285645	72.62499497525914	31.62376272549202	
459	61705	-68661.14133	85179.73170250766	39.21399684175824	-101.0416744	182374.042289277	4342514.41958665	3187.9100153404074	2987.043399114037	2914.515340346156	2945.58675285645	72.62499497525914	31.62376272549202	
460	61706	-68001.14133	85179.73170250766	39.21400113784204	-101.039346	182393.091903391	4342506.39281833	3182.651442927135	2985.306597444606	2927.829169779133	2937.163680267894	57.474269524133	48.14273864706959	
461	61706	-67341.14133	85179.73170250766	39.21400574582435	-101.0370178	182416.1413453338	4342502.381151596	3178.65067098987	2984.271700121153	2938.59891694954	2921.9813647111103	43.9846079024556	43.9846079024556	
462	61706	-66681.14133	85179.73170250766	39.214010317025976	-101.0346892	182416.1413453338	4342502.381151596	3178.65067098987	2984.271700121153	2938.59891694954	2921.9813647111103	43.9846079024556	43.9846079024556	
463	61706	-66021.14133	85179.73170250766	39.21401484	-101.0323068	182438.29371336335	4342494.35833419	3174.3858012306624	2982.4532121739458	2932.464539369534	2904.40798418774	49.9895520409665	28.31241375517147	
464	61706	-65361.14133	85179.73170250766	39.2140193135681	-101.0300324	182479.288636902	4342490.347435419	3172.813780771835	2981.47281608927	2932.17330693484	2944.113042165864	49.9895520409665	37.3597446938277	
465	61706	-64701.14133	85179.73170250766	39.21402374505325	-101.027704	182490.3373495045	4342486.327235011	3171.276902272506	2980.4823814310523	2931.226649471871	2942.12881279891432	49.9895520409665	37.3597446938277	
466	61706	-64041.14133	85179.73170250766	39.214028113570814	-101.0253755	182511.389788416	4342482.36760916	3170.622539678016	2979.482484345493	2929.530683781074	2935.788647874655	49.9895520409665	37.3597446938277	
467	61706	-63381.14133	85179.73170250766	39.21403243731352	-101.0230471	182542.4349173887	4342478.26950218	3168.000507005304	2978.482307	2928.472853828523	2931.226649471871	49.9895520409665	37.3597446938277	
468	61706	-62721.14133	85179.73170250766	39.21403676981298	-101.0207167	182542.4349173887	4342478.26950218	3168.000507005304	2978.482307	2928.472853828523	2931.226649471871	49.9895520409665	37.3597446938277	
469	61706	-62061.14133	85179.73170250766	39.21404102127418	-101.0189393	182542.4349173887	4342478.26950218	3168.000507005304	2978.482307	2928.472853828523	2931.226649471871	49.9895520409665	37.3597446938277	
470	61706	-61401.14133	85179.73170250766	39.21404527892186	-101.0160619	182545.5786004595	4342466.29834941	3162.32842593584	2975.47266347525	2919.17305453993	2909.496323849595	65.980425020395	65.980425020395	
471	61707	-60741.14133	85179.73170250766	39.2140493893525	-101.0137335	182616.6263374536	4342462.77272331	3161.073509181727	2974.479650232504	2916.0025178458523	2905.961328580986	58.477123866515	68.5185865	
472	61707	-60081.14133	85179.73170250766	39.2140535062034	-101.0114051	182637.673898433	4342458.2726136	3156.594791736253	2973.4853991135706	2912.8848154467432	2903.46077795827	60.008386668273	70.0246112282334	
473	61707	-59421.14133	85179.73170250766	39.2140575778965	-101.0090767	182648.7126986254	4342454.25061096	3154.05252167175	2972.497168892677	2910.472853828523	2931.226649471871	60.008386668273	70.0246112282334	
474	61707	-58761.14133	85179.73170250766	39.21406164014965	-101.0067483	182648.7126986254	4342454.25061096	3154.05252167175	2972.497168892677	2910.472853828523	2931.226649471871	60.008386668273	70.0246112282334	
475	61707	-58101.14133	85179.73170250766	39.21406592312646	-101.0042914	182648.7126986254	4342454.25061096	3154.05252167175	2972.497168892677	2910.472853828523	2931.226649471871	60.008386668273	70.0246112282334	
476	61707	-57441.14133	85179.73170250766	39.21406963312646	-101.0020914	182648.7126986254	4342454.25061096	3154.05252167175	2972.497168892677	2910.472853828523	2931.226649471871	60.008386668273	70.0246112282334	
477	61707	-56781.14133	85179.73170250766	39.21407341482006	-100.999763	182648.7126986254	4342454.25061096	3154.05252167175	2972.497168892677	2910.472853828523	2931.226649471871	60.008386668273	70.0246112282334	
478	61707	-56121.14133	85179.73170250766	39.21407726173855	-100.9974346	182648.7126986254	4342454.25061096							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgs.fg	BRIElevBothKgs.fg	SatElev.fg	SatElevBoth.fg
559	61719	-2661.1411327	851797.3170250766	39.124239491855086	-100.888327	343838.18450465065	343210.135020966	3045.3418758678887	2902.9022471540634	2871.9219026038795	2871.671294774613	30.880344550183872	31.230925237405173
560	61760	-2601.1411327	851797.3170250766	39.12423965050524	-100.869643	344039.2170590734	342106.11421713	3043.63260710118	2901.8641158043787	2868.724059601611	2869.366231274576	31.84006220765845	32.297367891915
561	61761	-1341.141327	851797.3170250766	39.12423976438104	-100.864758	344240.251634153	342102.135020966	3043.63260710118	2901.8641158043787	2868.724059601611	2869.366231274576	32.02321326837695	32.5170281
562	61762	-681.1413269	851797.3170250766	39.12423983321968	-100.861874	344441.28402537255	342106.15477853	3043.63260710118	2901.8641158043787	2868.724059601611	2869.366231274576	31.9119372	32.35201117887816
563	61763	-611.14132693	851797.3170250766	39.12423986721998	-100.799519	344642.31271599237	342094.161880333	3040.691747552214	2897.972161564742	2866.0121636771187	2865.0308318451806	31.89999788273103	31.64325701056123
564	61764	638.858673033514	851797.3170250766	39.124239836173014	-100.7971906	344843.3505154745	342094.161880333	3043.6308522270148	2897.9741894581033	2864.249793515704	2865.54118884621	31.90241016553298	31.8486764412413
565	61765	1298.858673033514	851797.3170250766	39.12423970715073	-100.7948621	345044.3826624022	342094.161880333	3032.038930738237	2895.50793048114	2862.978454948383	2865.0308318451806	31.89999788273103	30.4771612378417
566	61766	1938.858673033514	851797.3170250766	39.12423969515321	-100.7925337	345245.41516184523	342094.161880333	3037.7086271731948	2892.98430948795	2862.280583612517	2864.881344584188	31.8887644543436	29.38803930670439
567	61767	2578.858673033514	851797.3170250766	39.1242396518038	-100.790263	345446.4475	342094.161880333	3032.038930738237	2895.50793048114	2862.978454948383	2865.0308318451806	31.89999788273103	29.38803930670439
568	61768	3218.858673033514	851797.3170250766	39.1242396222265	-100.787679	345647.4797051363	342074.19016474	3015.068540882719	2891.7717718467266	2861.825025724553	2860.748971841159	29.94576774271242	31.00800500557584
569	61769	3838.858673033514	851797.3170250766	39.1242396036088	-100.7855484	345848.5117530071	342070.2040693	3005.4840661981825	2890.596070250304	2861.4671303545024	2860.145867190098	30.29353668910598	30.59798278517
570	61770	4598.858673033514	851797.3170250766	39.12423876541021	-100.78322	346049.53469490755	342066.215238584	2997.4595841367	2889.2367531604377	2860.4801572375604	2859.2242559546	28.756599522757297	29.67833056
571	61771	5258.858673033514	851797.3170250766	39.12423842953625	-100.7808916	346250.5753972306	342062.22360448	2993.3541161708587	2887.951818039226	2858.60200557888	2857.5932004114156	28.59817515054625	29.358617682506974
572	61772	5918.858673033514	851797.3170250766	39.1242380469702	-100.7785632	346461.606949917	342058.23215369	2991.67170800002	2886.651579619513	2855.6412962194573	2855.1962146978156	31.0229146978156	31.4511229556218
573	61773	6578.858673033514	851797.3170250766	39.12423762262505	-100.7762348	346662.6384434578	342054.240881407	2992.981254542175	2885.365537034062	2851.481871315894	2851.17854247477	33.8646289	34.16801058925815
574	61774	7238.858673033514	851797.3170250766	39.1242371502674	-100.773903	346863.66974233487	342050.24789858	2992.794861024833	2884.024905751297	2846.461928701115	2846.183783	37.5630117837814	37.8741157620506
575	61775	7898.858673033514	851797.3170250766	39.1242366382678	-100.7715779	347054.7008933893	342046.25876005	2992.12121926744	2882.689265751254	2840.973477796071	2841.233628020319	41.7158527790543	41.45563075480641
576	61776	8558.858673033514	851797.3170250766	39.12423605753732	-100.7692495	347255.73189514043	342042.268142544	2996.03075258149	2881.338640588376	2835.680589830714	2835.6576067766225	45.40524687676225	45.45563075480641
577	61777	9218.858673033514	851797.3170250766	39.12423546981712	-100.7669211	347456.7624477786	342038.277825616	2998.34901268556	2879.9722674514577	2830.7912184830033	2831.318422419137	48.1810425836404	48.46402270954055
578	61778	9878.858673033514	851797.3170250766	39.12423481911083	-100.7645826	347657.793455441	342034.282121406	2998.580459209686	2878.580459209686	2826.514701629634	2827.121462252586	51.37162327	
579	61779	10538.858673033514	851797.3170250766	39.12423412343465	-100.7622642	347858.8240105441	342030.297019209	3001.068861458	2877.18351424068	2822.5634769702824	2822.6687156164733	54.51473862421234	
580	61780	11188.858673033514	851797.3170250766	39.1242333873624	-100.7599358	348059.849415908	342026.307034515	2998.7301764205428	2875.78954547245	2818.96256521919	2817.7338526074	56.7603718156356	57.9851302467144
581	61781	11838.858673033514	851797.3170250766	39.124232641616	-100.7576073	348260.86941658	342022.317825433	2999.633106967281	2874.31118752453	2817.984582679851	2817.984582679851	58.850119412272	59.850119412272
582	61782	12518.858673033514	851797.3170250766	39.12423176655458	-100.755279	348461.914795194	342018.32710635	2997.05219842129	2872.840947775816	2811.758645219504	2811.7847381550405	61.0874955807244	61.06135662
583	61783	13178.858673033514	851797.3170250766	39.12423080997733	-100.752905	348662.944761977	342014.33803377	2996.09436712637	2871.3539897867	2807.85739464207	2807.92732550647	63.127333326628	63.42721631239965
584	61784	13838.858673033514	851797.3170250766	39.12422997042483	-100.7506221	348863.9745817181	342010.348735543	2995.6169627376075	2869.84495	2804.06518619070	2803.88916992708	65.779763415916	65.9550778959924
585	61785	14488.858673033514	851797.3170250766	39.1242290489706	-100.7482937	349065.00425462035	342006.359912731	2994.933826728673	2868.3093782684773	2801.561564931353	2801.37120190218	67.734233214205	66.99217637
586	61786	15188.858673033514	851797.3170250766	39.12422798430406	-100.7459963	349266.0378088964	342002.37068112	2994.361129881466	2867.44547229208	2800.124536866124	2800.03839165984	66.6240091430832	66.6654485593655
587	61787	15838.858673033514	851797.3170250766	39.12422713683975	-100.7436976	349467.0631879769	342000.38191498	2993.68315268974	2866.181706142257	2798.48832679851	2798.48832679851	66.6648748697261	66.6648748697261
588	61788	16488.858673033514	851797.3170250766	39.124226341616	-100.741391	349668.0924947709	342000.38191498	2993.68315268974	2866.181706142257	2798.48832679851	2798.48832679851	66.7059064616552	66.7059064616552
589	61789	17138.858673033514	851797.3170250766	39.12422460303282	-100.73898	349869.1215817477	342000.38191498	2993.68315268974	2866.181706142257	2798.48832679851	2798.48832679851	66.7350431496685	66.7350431496685
590	61790	17798.858673033514	851797.3170250766	39.124223026276	-100.736516	350070.1505236605	341996.417	2994.031574539496	2860.21031371771	2791.641709143773	2795.0517276392491	67.8926392499479	67.8926392499479
591	61791	18458.858673033514	851797.3170250766	39.12422226724945	-100.7343232	350271.17931893346	341982.428671859	2992.258703916457	2858.258703916457	2789.293732014328	2796.915840262043	69.0030032827146	61.6128317905681
592	61792	19118.858673033514	851797.3170250766	39.1242209689485	-100.7319847	350472.207907061	341978.44089011	2991.58213644279	2856.795445381056	2787.388408603211	2800.4379929254	69.4629963982725	56.3574173655161
593	61793	19778.858673033514	851797.3170250766	39.1242196156504	-100.729663	350673.236476185	341974.453125692	2990.9054825781345	2855.031172485878	2786.009497273027	2800.70012964597	67.5501751850104	48.0241116234089
594	61794	20438.858673033514	851797.3170250766	39.12421829125905	-100.727379	350874.2643674056	341970.458113825	2992.258703916457	2854.23600710915	2784.95008798985	2805.280711627445	68.850119412272	68.850119412272
595	61795	21098.858673033514	851797.3170250766	39.1242168759786	-100.7250095	351075.2952551265	341966.47296876	2990.74233720365	2851.41009722731	2783.760036118855	2803.01414625712	69.601616259712	67.9393931
596	61796	21758.858673033514	851797.3170250766	39.12421541572412	-100.7226811	351276.321127147	341962.491151449	2991.511697130575	2849.54563011472	2782.287717710473	2794.19169358049	67.26699124	65.57299502813046
597	61797	22418.858673033514	851797.3170250766	39.12421391043335	-100.7203526	351477.38005052674	341958.504185336	2990.74233720365	2848.071832080615	2780.712995	2788.14242559142	59.8232629192615	59.8232629192615
598	61798	23078.858673033514	851797.3170250766	39.1242123602873	-100.7180242	351678.368331619	341954.571398527	2992.06625397897	2845.761316708875	2779.1781164004187	2780.097626592884	66.3653203084973	62.457690162308
599	61799	23738.858673033514	851797.3170250766	39.124210761506704	-100.7156988	351879.4047182406	341950.531	2998.403280714705	2777.46627370899	2778.097823	2778.097823	66.3653203084973	63.7349841049394
600	61800	24398.858673033514	851797.3170250766	39.124209171	-100.713374	352080.4319671918	341945.54436278	2997.05219842129	2844.3618774	2775.63733954937	2771.0525794157	66.233964042368	64.47248655
601	61801	25058.858673033514	851797.3170250766	39.1242075910996	-100.7110735	352281.46482580233	341940.571398527	2996.09436712637	2843.760036118855	2774.388408603211	2774.388408603211	66.233964042368	64.47248655
602	61802	25718.858673033514	851797.3170250766	39.1242060342887	-100.7087105	352482.49682580233	341935.572	2995.542579420714	2842.760036118855	2773.510547961411	2772.01803671059	66.233964042368	64.47248655
603	61803	26378.858673033514	851797.3170250766	39.1242043642887	-100.7063821	352683.5136	341930.58613714	2994.310132732594	2841.760036118855	2769.012653481303	2769.012653481303	66.233964042368	66.233964042368
604	61804	27											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.V	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
68	67285	80498.85867307335	85177.97130250766	39.213905372706875	-100.154523	696167.2654528243	43141608.352323941	2817.783639917206	270.311884356126024	2640.4520662751015	2640.5956546092478	73.36369241100874	62.59278942
686	67286	81158.85867307335	85179.73170250766	39.21389961970147	-100.513129	69368.2813452522	43141608.381281566	2817.918324072506	270.3142990427522	2638.433258821572	2638.90398690156	63.2341217356607	
687	67287	81818.85867307335	85179.73170250766	39.21388436672138	-100.107655	69669.2971197159	43141608.410417708	2818.808927448905	270.31380831312	2638.10871135099	2638.842815434895	63.9312144921384	64.1704919
688	67288	82478.85867307335	85179.73170250766	39.21388866766664	-100.504871	69770.3128	43141596.43723261	2814.449150196362	2698.36724593362	2638.105034555899	2635.9849023301417	62.160444445226	62.3823111920145
689	67289	83138.85867307335	85179.73170250766	39.213883025837355	-100.5061387	69971.3282836374	43141592.49622519	2812.09147289383	2696.69477923304	2635.928654050676	2635.920612664527	60.765785182639	60.7741325865131
690	67290	83798.85867307335	85179.73170250766	39.2138733793343	-100.5038103	70172.3373735905	43141584.6073717	2809.733755913044	2695.002056479632	2635.04058042866	2634.961465711213	59.19464832534522	60.0059009482056
691	67291	84458.85867307335	85179.73170250766	39.21387160505495	-100.5014819	70373.358460086	43141584.528747305	2805.8212455206476	2693.245679042236	2633.9884617366192	2633.77121599072	59.360166167041	59.5233513149384
692	67292	85118.85867307335	85179.73170250766	39.2138655270179	-100.499135	70574.73408971693	43141580.58779917	2800.32582615613	2691.576193	2634.4167042251142	2634.084119219541	57.1594867365605	57.4920736917895
693	67293	85738.85867307335	85179.73170250766	39.21386060457411	-100.496625	70775.788989846	43141576.58892966	2798.94989342756	2689.849836251651	2637.240108755577	2636.952777063295	52.806545129932	52.817238697889
694	67294	86438.85867307335	85179.73170250766	39.213854136571854	-100.4944967	70976.404003121	43141576.51368351	2789.418977	2688.1170712063085	2641.3191033754026	2641.06545572816	49.7977673489135	47.0710166182993
695	67295	87098.85867307335	85179.73170250766	39.2138422379505	-100.4921683	71177.41877232086	43141568.6392815	2787.5568948130895	2646.4517280151866	2646.011183437995	2642.92121051711895	40.2686569701824	
696	67296	87758.85867307335	85179.73170250766	39.213842266043706	-100.4898399	71378.43341912526	43141564.808647941	2788.025172440097	2644.639061054074	2651.482168124351	2651.7193475252593	32.824792951056224	32.919713423148096
697	67297	88418.85867307335	85179.73170250766	39.2138376263317816	-100.4875115	71579.44947412815	43141560.71195974	2786.587770174186	2642.895656526814	2656.773985	2656.773985	2656.773985	2656.773985
698	67298	89078.85867307335	85179.73170250766	39.21383021561745	-100.4851181	71780.4624339637	43141556.72399705	2792.147381590745	2641.1500858162235	2659.5955542919337	2659.5955542919337	25.155251524291634	25.141891162128013
699	67299	89738.85867307335	85179.73170250766	39.21382412294254	-100.4828457	71981.47661447554	43141552.77987275	2795.00644040131	2639.4058064132687	2658.10760008985	2658.10760008985	20.26777891257915	
700	67300	90398.85867307335	85179.73170250766	39.21381798529314	-100.4805263	72182.4908	43141549.50428861	2791.66230390296	2634.8905323264784	2654.9237883	2654.9237883	22.7718609642662	22.7345108709511
701	67301	91058.85867307335	85179.73170250766	39.21381180266925	-100.4781979	72383.5804	43141544.83766338	2790.820484718912	2675.921722663136	2648.383996526982	2648.383996526982	27.136717136331457	27.2603424908306
702	67302	91718.85867307335	85179.73170250766	39.21380558	-100.4758695	72584.5186999874	43141538.968387225	2789.4518719055226	2647.15104537473	2640.9518415749912	2640.9518415749912	33.0338700917954	33.0338700917954
703	67303	92378.85867307335	85179.73170250766	39.21379930249807	-100.4735411	72785.53248283616	43141536.900867475	2789.17168207482	2672.4609233016736	2643.17302521313	2643.17302521313	38.32260787940818	38.32260787940818
704	67304	93038.85867307335	85179.73170250766	39.2137924954803	-100.4712127	72986.5461431982	43141532.93	2788.1754147174984	2670.7532389803	2627.840529102995	2627.840529102995	42.9894635759046	42.9894635759046
705	67305	93698.85867307335	85179.73170250766	39.21378662422106	-100.468843	73187.5596812773	43141528.96580978	2787.6611214111	2669.03982355424	2622.350213292025	2622.350213292025	46.7021399457724	46.7021399457724
706	67306	94358.85867307335	85179.73170250766	39.21378014252996	-100.466559	73387.573097278	43141528.96580978	2786.971309110431	2667.447833451692	2621.937403717942	2621.937403717942	49.595785327508	49.595785327508
707	67307	95018.85867307335	85179.73170250766	39.21377324624	-100.464278	73589.568914087	43141528.96580978	2786.0216907011	2665.8272251651	2620.94872251651	2620.94872251651	51.79123810831334	51.79123810831334
708	67308	95678.85867307335	85179.73170250766	39.21376727	-100.461891	73790.5956389585	4314157.03	2785.28278292145	2664.319891500414	2612.65554720487	2612.65554720487	51.5654277992576	51.5654277992576
709	67309	96338.85867307335	85179.73170250766	39.2137602259815	-100.4595708	73981.61248626	4314153.09660540	2784.4153231480624	2663.34058	2611.574771540892	2611.574771540892	51.78880889531556	51.78880889531556
710	67310	96998.85867307335	85179.73170250766	39.213754135204454	-100.4572424	74192.62554459914	43141509.12890045	2783.571813730807	2662.1240593113	2611.760650760915	2611.760650760915	49.3868601207631	49.3868601207631
711	67311	97658.85867307335	85179.73170250766	39.21374702363834	-100.454914	74393.683532812	43141505.163	2781.60362146167	2660.957380174345	2611.3140595762425	2611.3140595762425	49.6139932975054	49.6139932975054
712	67312	98318.85867307335	85179.73170250766	39.21374082549399	-100.452586	74594.6511041127	43141501.197	2778.510854475641	2659.8063164053474	2611.482711999718	2611.482711999718	48.323044742923	48.323044742923
713	67313	98978.85867307335	85179.73170250766	39.2137341037719	-100.4502972	74796.656289875	43141498.2388575	2776.41804865241	2658.60672474513	2611.6898986257	2611.6898986257	47.13387482707889	47.13387482707889
714	67314	99638.85867307335	85179.73170250766	39.21372702363834	-100.4479265	74996.670550429	43141495.265	2774.325291145098	2657.456454743	2611.90742903577	2611.90742903577	46.12567463905	46.12567463905
715	67315	100298.85867307335	85179.73170250766	39.21372052	-100.4456004	75197.68883155083	43141489.29876232	2768.8236992523294	2656.3913867493	2611.7100110747157	2611.7100110747157	44.5881326977005	44.5881326977005
716	67316	100958.85867307335	85179.73170250766	39.2137166637757	-100.443272	75398.7806795135	43141481.32979994	2764.831329179127	2655.260290379427	2611.370397872509	2611.370397872509	43.7381274382621	43.7381274382621
717	67317	101678.85867307335	85179.73170250766	39.21370676416358	-100.4409436	75599.7217745959	43141481.32979994	2761.002804229217	2654.1142261401355	2610.75715863899	2610.75715863899	43.5671072623674	43.5671072623674
718	67318	102328.85867307335	85179.73170250766	39.213698916975286	-100.4386152	75800.72471416263	43141479.402133404	2757.09239497486745	2652.965494768745	2609.914121835477	2609.914121835477	42.807384530369	42.807384530369
719	67319	102958.85867307335	85179.73170250766	39.21369252481274	-100.4362689	76001.73658923428	43141473.438977462	2756.167518228162	2651.809158053497	2608.1701778882	2608.1701778882	42.5641020466785	42.5641020466785
720	67320	103598.85867307335	85179.73170250766	39.21368627671958	-100.4339278	76202.7483176296	43141469.47199744	2754.9216907011	2650.544741017135	2608.941948	2608.941948	41.72523147320075	41.72523147320075
721	67321	104258.85867307335	85179.73170250766	39.21367870556482	-100.431601	76403.7892701337	4314165.00720028	2753.20548691185	2649.47180324315	2608.04687260585	2608.04687260585	41.4272611751245	41.4272611751245
722	67322	104918.85867307335	85179.73170250766	39.21367157847969	-100.4293017	76604.7741745943	4314161.542578942	2755.35180475368	2648.290518917993	2607.335495803447	2607.335495803447	40.59533450340176	40.59533450340176
723	67323	105578.85867307335	85179.73170250766	39.213664406420214	-100.426973	76805.7828	4314157.8135388	2747.1004252492053	2607.006192373176	2607.820967	2607.820967	39.2794586407582	39.2794586407582
724	67324	106238.85867307335	85179.73170250766	39.213657189386545	-100.4246449	77006.7940341595	4314145.613780921	2753.9042615842172	2645.9018446329374	2606.8130824395	2606.8130824395	38.29953687	38.29953687
725	67325	106898.85867307335	85179.73170250766	39.213649823787725	-100.4223169	77207.80517855636	4314145.613780921	2752.9187495878145	2644.69482632674	2606.3830929181	2606.3830929181	37.5003748818508	37.5003748818508
726	67326	107558.85867307335	85179.73170250766	39.213642620376129	-100.4199882	77408.6181959443	4314145.65857617	2751.93354836997	2643.48195781103	2605.9430916	2605.9430916	37.532527458732	37.532527458732
727	67327	108218.85867307335	85179.73170250766	39.2136350236911	-100.4176379	77609.6189595913	4314141.72145207	2750.841741017135	2642.6819309549	2605.13304459549	2605.13304459549	36.1837487620331	36.1837487620331
728	67328	108878.85867307335	85179.73170250766	39.2136277151029	-100.415314	77810.378776414	4314157.9582951	2749.433486911367	2641.043337	2604.76080531976	2604.76080531976	35.2795930618178	35.2795930618178
729	67329	109538.85867307335	85179.73170250766	39.21362042960587	-100.413003	78011.8485	4314157.9582951	2741.26370569126	2639.817510407167	2603.639174375819	2603.639174375819	35.13947480930754	35.13947480930754
730	67330	110198.85867307335	85179										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
71	92	67411	-324741.1413	852457.3170250766	39.1060845858974	-101.9450745	245715.8730732084	3442481.885241579	3883.727959029854	3718.529271268904	3613.3900336639804	3634.943783137588	35.103923760492389	83.5814313131632
72	92	67412	-324081.1413	852457.3170250766	39.1063056153045	-101.9427463	245917.0407831074	344249.002786621	3812.132195665895	3716.89766108861	3610.0717234070857	3639.801211855555	37.02817349233053	77.8714242330353
73	92	67413	-323421.1413	852457.3170250766	39.1064622225305	-101.9404182	246118.1362412587	344243.720315218	3788.5364322874552	3704.633521124798	3616.468692467852	3687.1189525116676	37.0837877875315	76.83016158793583
74	92	67414	-322761.1413	852457.3170250766	39.1067463798432	-101.9380091	246319.2675478494	344262.63452327	3675.94086916256	3707.718217614182	3626.232569779258	35.86617497332963	77.5182291	83.5812091
75	92	67415	-322101.1413	852457.3170250766	39.1066668075637	-101.9357619	246520.3803312175	344246.557	3674.02740066426	3711.899141475455	3606.664642	3611.425277760627	37.034294985078514	70.074386371482798
76	92	67416	-321441.1413	852457.3170250766	39.1071853456215	-101.9334338	246721.5292072632	344361.474800207	3610.192872425737252	3710.433446938076	3596.622717236742	39.75952771398014	113.5701551890454	77.871424233053
77	92	67417	-320781.1413	852457.3170250766	39.1074041540156	-101.9311056	246922.656606477	344257.39326232	3671.56751408065	3708.464128966384	3612.5450650247217	3590.3178306108	95.9190363166472	118.15234050527825
78	92	67418	-320121.1413	852457.3170250766	39.10762251274595	-101.9287775	247123.7896267065	344253.311909176	3681.107440797874	3701.7146879576	3614.6956049444484	3587.917022784251	92.0156895131574	118.7440460115149
79	92	67419	-319461.1413	852457.3170250766	39.1078494218121	-101.9264844	247324.8181468466	344249.4812630829	3688.079862495876	3704.633521124798	3616.468692467852	3587.1189525116676	97.0837877875315	76.83016158793583
80	92	67420	-318801.1413	852457.3170250766	39.110805718812136	-101.9241212	247526.0451651252	344245.14975214	3684.846221350787	3703.129501926016	3617.781219192157	3583.42270004471	85.3482873	119.69271312154515
81	92	67421	-318141.1413	852457.3170250766	39.10827490894096	-101.9217931	247727.17896817197	344241.684983935	3681.5987623145871	3701.298062825844	3618.6871208540715	3581.337410760575	82.1005454281288	119.9604562027689
82	92	67422	-317481.1413	852457.3170250766	39.110849145102124	-101.9194649	247928.30816983158	344232.988329178	3688.343493214636	3699.437658179227	3619.263817916154	3580.443517838008	11.7112769263072	118.9140438291405
83	92	67423	-316821.1413	852457.3170250766	39.1108705614262	-101.9171368	248129.4371179505	344236.907982899	3685.21363413953	3696.6658871169	3619.6610655407	3585.0961962141605	77.8856033045278	112.4504723354758
84	92	67424	-316161.1413	852457.3170250766	39.11089322	-101.9148086	248330.5668246507	344228.427640096	3852.191755014343	3693.62452967354	3619.746254480991	3595.0841339128846	75.87717149	10.01752920544693
85	92	67425	-315501.1413	852457.3170250766	39.11091384332369	-101.9124805	248531.6642745702	344224.747075939	3848.169875943334	3693.6673816613334	3619.7146495028173	3607.20363362655	73.97732715851603	86.4635282966728
86	92	67426	-314841.1413	852457.3170250766	39.111035329016	-101.9101523	248732.82248156393	344220.767884887	3646.147996272234	3691.678319142326	3619.72445035547	3619.108919839885	72.45087320677885	72.56933715833748
87	92	67427	-314181.1413	852457.3170250766	39.110965675063794	-101.9078421	248933.9054379635	344212.58924648	3642.953073546629	3689.65422553506	3618.773291	3628.08834123773797	70.88132007766084	61.56608122766084
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89	92	67429	-312861.1413	852457.3170250766	39.11099947808501	-101.9031678	249336.2056014574	344208.429127967	3636.203642667204	3685.449062464678	3616.7714253254708	3623.67821319114	68.7233002099699	53.8710241455635
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91	92	67431	-311541.1413	852457.3170250766	39.11104022566481	-101.8985115	249739.49737308138	344200.271002794	3829.750842971304	3681.174815348944	3614.1036606026027	3623.54268	67.071478439415	57.3216297074414
92	92	67432	-310881.1413	852457.3170250766	39.11106323	-101.8961634	249939.58468174527	344166.192217907	3826.953221818934	3678.561700343765	3613.22691406624	3618.126568400147	57.617108343408	99.82513194
93	92	67433	-310221.1413	852457.3170250766	39.11108339376375	-101.8938598	250175.234572456	344132.10843763	3793.864556558578	3674.727512923793	3612.10394542253	3631.41910394717	12.104097707445	10.01752920544693
94	92	67434	-309561.1413	852457.3170250766	39.11105597817146	-101.891527	250341.3817216212	344180.03501694	3821.39428631927	3672.384774477115	3612.3491741549205	3611.55853245318	62.035006218896	62.826238231797106
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96	92	67436	-308241.1413	852457.3170250766	39.1111470679119	-101.8868707	250744.0906832738	344179.879102578	3810.95920638235	3669.657946179259	3612.3044519365767	3607.17633408418152	53.3534942268245	62.48161209404895
97	92	67437	-307581.1413	852457.3170250766	39.11168859195204	-101.8844525	250945.21636413932	344176.00104778	3667.2349516868127	3613.553324042651	3604.79020848418152	3604.79020848418152	62.48161209404895	62.48161209404895
98	92	67438	-306921.1413	852457.3170250766	39.1118952532053	-101.8822144	251146.34157728963	344171.723	3798.90278558771	3664.772812907386	3613.620510006757	3613.620510006757	62.48161209404895	62.48161209404895
99	92	67439	-306261.1413	852457.3170250766	39.11190417930164	-101.8798862	251347.469671034	344171.64586411	3794.965712805434	3663.6673816613334	3613.620510006757	3613.620510006757	62.48161209404895	62.48161209404895
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102	92	67442	-304281.1413	852457.3170250766	39.11217222206645	-101.8729017	251950.8408078778	344155.41456082	3785.4369381901	3654.52846749263	3613.50392601497	3614.250163418645	21.2248504911325	40.070861157329
103	92	67443	-303621.1413	852457.3170250766	39.11219335390694	-101.8705735	252151.964	344151.35768005	3785.163106156274	3651.873991897035	3613.50392601497	3614.250163418645	21.2248504911325	40.070861157329
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106	92	67446	-301641.1413	852457.3170250766	39.112168190164	-101.863598	252755.234572456	344138.10843763	3793.864556558578	3674.727512923793	3612.10394542253	3631.41910394717	12.104097707445	10.01752920544693
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109	92	67449	-299661.1413	852457.3170250766	39.112141685979121	-101.8566044	253358.7809018036	344130.9569753	3795.71226800079	3638.198502785073	3612.43395517805	3613.620510006757	25.76510721007234	44.63769371178574
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111	92	67451	-298341.1413	852457.3170250766	39.112145780867844	-101.851948	253760.9427333137	344118.73104297	3795.861758974916	3632.591050907812	3612.43395517805	3613.620510006757	25.76510721007234	44.63769371178574
112	92	67452	-297681.1413	852457.3170250766	39.112147759157044	-101.8496198	253962.6069230446	344114.65502448	3794.725483624785	3626.338928427858	3612.43395517805	3613.620510006757	25.76510721007234	44.63769371178574
113	92	67453	-297021.1413	852457.3170250766	39.1121498191647	-101.8473913	254169.1986987413	344110.57301694	3793.864556558578	3674.727512923793	3612.10394542253	3631.41910394717	12.104097707445	10.01752920544693
114	92	67454	-296361.1413	852457.3170250766	39.11215183947514	-101.844935	254364.3119303046	344106.505379005	3792.451771610745	3672.0413568257645	3612.3190919515355	3609.566383676584	72.262467420234	62.7441818899915
115	92	67455	-295701.1413	852457.3170250766	39.112153856683973	-101.8426353	254565.4329730162	344102.						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVmKgr.ft	BRELEVbothKgr.ft	SatThgLogs	SatThgBoth
197	67537	-241581.1413	852547.3170250766	39.2130396490459996	-101.6517194	271066.553084786005	4343768.939119282	3659.5377591592246	3480.678237774949	3484.2605664473463	3519.572733499115	0	0
198	67538	-240021.1413	852547.3170250766	39.213056068677895	-101.6493911	271257.65468993436	4343764.879736933	3659.2021274440033	3478.67459695337	3483.201062373712	3519.161795125347	0	0
199	67539	-240261.1413	852547.3170250766	39.213072463333963	-101.6476768	271468.74669169575	4343760.830537249	3658.9007988974625	3476.6797988974625	3482.589305989823	3517.7817914872135	0	0
200	67540	-239601.1413	852547.3170250766	39.21308883029398	-101.6444735	271659.8572277501	4343761.165120223	3657.658477297014	3474.68847500575	3482.5234620067444	3516.8355659898003	0	0
201	67541	-238841.1413	852547.3170250766	39.21310513774881	-101.6424062	271860.95815051184	4343752.702685488	3648.407921090367	3472.704205804196	3482.2666640359603	3515.8272413394223	0	0
202	67542	-238281.1413	852547.3170250766	39.21312139750566	-101.640078	272062.059	4343748.644032098	3644.1573649017237	3470.7253659872895	3482.1398214811554	3514.7025304661414	0	0
203	67543	-237621.1413	852547.3170250766	39.213136728342	-101.6377497	272264.1594312413	4343744.585563004	3641.1167552205407	3468.752890855407	3482.1484262033345	3513.752652761963	0	0
204	67544	-236961.1413	852547.3170250766	39.21315372802928	-101.6354214	272494.2596840516	4343740.52776357	3639.28602505537	3466.781636428176	3483.1022201623635	3512.592794856686	0	0
205	67545	-236301.1413	852547.3170250766	39.21316991	-101.6330831	272685.7297211896	4343736.458172996	3637.4554288911258	3464.828565152585	3483.2703323165445	3511.454544	0	0
206	67546	-235641.1413	852547.3170250766	39.21318598791146	-101.630748	272866.459513894	4343732.411251467	3635.621075725416	3462.678257469817	3482.999157134313	3510.5876730203304	0	0
207	67547	-234981.1413	852547.3170250766	39.2132002021685085	-101.6284365	273067.55509526517	4343728.353312846	3633.12104035316	3460.930536336939	3482.3035735192507	3509.7608786770078	0	0
208	67548	-234321.1413	852547.3170250766	39.213218017607985	-101.6261082	273268.6548505122	4343724.29596824	3629.9414438724125	3458.9987927458046	3482.5503476705326	3509.1199610567005	0	0
209	67549	-233661.1413	852547.3170250766	39.21323396559804	-101.6237799	273469.75821091	4343720.23858393	3626.7672836913134	3457.069077259458	3482.6189818185535	3508.519240178004	0	0
210	67550	-233001.1413	852547.3170250766	39.21324985654053	-101.6214516	273670.8546899574	4343716.181392549	3623.5841235102134	3455.14702324954	3482.37474714150065	3508.329234140843	0	0
211	67551	-232341.1413	852547.3170250766	39.21326571155014	-101.6191233	273871.95517435958	4343712.124384285	3621.80799037586	3453.224395397727	3481.68050238721	3509.7035402500142	0	0
212	67552	-231681.1413	852547.3170250766	39.21328152	-101.616795	274073.05335229	4343708.09	3620.8218102734304	3451.3289701306167	3479.461623	3512.589483638741	0	0
213	67553	-231021.1413	852547.3170250766	39.2132972665587	-101.6144667	274274.1518736582	4343704.011	3620.039821509275	3449.431087194787	3478.9583466676117	3511.5714573956965	0	0
214	67554	-230361.1413	852547.3170250766	39.2133130075193	-101.6121384	274475.2498896225	4343699.95454888	3619.2578327451192	3447.53831040999	3475.012847	3511.9957913600233	0	0
215	67555	-229701.1413	852547.3170250766	39.21332868187674	-101.60981	274676.347681464	4343695.898176861	3617.69793085408	3445.65014995103	3472.7890786639937	3502.4139272659954	0	0
216	67556	-229041.1413	852547.3170250766	39.21334431203027	-101.6074817	274877.4452519077	4343691.842081378	3615.36032052301422	3443.765735212945	3469.910572761105	3495.01643058187	0	0
217	67557	-228381.1413	852547.3170250766	39.213359897212484	-101.6051534	275078.524599958	4343687.78614827	3613.022611974633	3441.84695719627	3467.7916146493685	3490.918618973935	0	0
218	67558	-227721.1413	852547.3170250766	39.2133754742339	-101.6028251	275279.6397260015	4343683.730438006	3610.684521419611	3440.067371859465	3464.919215565278	3487.957110515962	0	0
219	67559	-226961.1413	852547.3170250766	39.2133922698986	-101.600469	275480.748901422	4343679.748901422	3608.961818197947	3438.9267854	3463.917881425664	3487.00095196714992	0	0
220	67560	-226241.1413	852547.3170250766	39.21340632831055	-101.5981685	275681.833128842	4343675.619524715	3608.914520312167	3436.258400591417	3460.0155169470474	3484.6880103767916	0	0
221	67561	-225741.1413	852547.3170250766	39.21342179	-101.5958402	275882.9297413326	4343671.56431834	3610.1803694107084	3434.387398886035	3457.823774451848	3483.222158173566	0	0
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223	67563	-224421.1413	852547.3170250766	39.21345263906826	-101.5911836	276285.12203327444	4343663.455	3609.0593926735073	3430.648126888197	3454.2451313254655	3480.2348951188133	0	0
224	67564	-223761.1413	852547.3170250766	39.213467734289104	-101.5888552	276486.2178313759	4343659.99888137	3606.0202872766267	3428.7792123717738	3453.9467976390492	3478.6415318922515	0	0
225	67565	-223041.1413	852547.3170250766	39.2134827305957	-101.5862269	276687.3134983058	4343655.91843203	3602.981181897947	3426.9267854	3451.9176921	3477.00095196714992	0	0
226	67566	-22241.1413	852547.3170250766	39.213498140139045	-101.584198	276889.40766754	4343651.291164735	3599.9420745828655	3425.910746247972	3450.4172771	3475.32393	0	0
227	67567	-221781.1413	852547.3170250766	39.213513275606616	-101.5818703	277089.503003861	4343647.237076729	3596.89056268096	3423.172615655161	3449.4676200533323	3473.186984339797	0	0
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229	67569	-220461.1413	852547.3170250766	39.21354341162685	-101.5772137	277491.693518582	4343639.129480607	3590.763182636255	3419.4293037827874	3447.8923016967487	3470.257572736377	0	0
230	67570	-219801.1413	852547.3170250766	39.21355841217949	-101.5748883	277698.787995624	4343635.07907401	3587.699426059085	3417.539732341596	3447.6281954759247	3468.542284634376	0	0
231	67571	-219141.1413	852547.3170250766	39.21357336776038	-101.572557	277897.8832	4343631.022549168	3586.1007757294346	3415.6752181419793	3445.9271321206954	3466.88458955925	0	0
232	67572	-218481.1413	852547.3170250766	39.2135882730597	-101.5702227	278094.9729045214	4343626.96937356	3588.967181897947	3413.79227008539	3443.617780042983	3464.919215565278	0	0
233	67573	-217821.1413	852547.3170250766	39.21360314400695	-101.5679004	278296.07015111043	4343622.916795958	3586.967181897947	3411.9043247378927	3442.102091699097	3464.751245589682	0	0
234	67574	-217161.1413	852547.3170250766	39.21361796472586	-101.565572	278497.1673160994	4343618.86356977	3585.700107325216	3410.0147825212	3448.5124446365903	3464.023526315695	0	0
235	67575	-216501.1413	852547.3170250766	39.21363237403638	-101.5632437	278698.2571001856	4343614.810940396	3585.100048050513	3408.108937709916	3448.075021050377	3463.5286734946045	0	0
236	67576	-215841.1413	852547.3170250766	39.213647471088315	-101.5609154	278899.3502651441	4343610.758449209	3584.0330518570913	3406.1909021401283	3445.734496422538	3462.559884071824	0	0
237	67577	-215181.1413	852547.3170250766	39.21366215683838	-101.5585871	279100.443119894	4343606.703643099	3582.966956636781	3404.283903661389	3442.012953	3459.62976671839	0	0
238	67578	-214521.1413	852547.3170250766	39.21367678761654	-101.5562087	279301.5350407214	4343602.65148992	3581.9004094702514	3402.36719965469	3441.927133943235	3455.3438975259825	0	0
239	67579	-213861.1413	852547.3170250766	39.2136923482277	-101.5539694	279502.62499646	4343598.4982397878	3580.9284982397878	3400.418897247861	3441.9171511388184	3453.9171511388184	0	0
240	67580	-213201.1413	852547.3170250766	39.21370594457036	-101.5510261	279703.7207459011	4343594.55033236	3579.131274020308	3398.52773681464	3439.176856746394	3446.995825169703	0	0
241	67581	-212541.1413	852547.3170250766	39.21372045011931	-101.5492737	279904.812822345	4343590.48998944	3578.974032759906	3396.60135515673	3428.339329011358	3442.888973323247	0	0
242	67582	-211881.1413	852547.3170250766	39.21373491100956	-101.5469544	280105.9046817032	4343586.47466971	3573.816791314452	3394.670669505635	3424.5716944646385	3440.8512439347	0	0
243	67583	-211221.1413	852547.3170250766	39.21374933	-101.5446171	280306.9963241791	4343582.396477344	3571.958229167936	3392.735378575976	3421.4929561883712	3434.3960217152004	0	0
244	67584	-210561.1413	852547.3170250766	39.213763987873944	-101.5422887	280508.0749787597	4343578.345490053	3570.386342303595	3390.79276627661	3418.5419924823564	3440.430207116606	0	0
245	67585	-209901.1413	852547.3170250766	39.2137780288511	-101.5399694	280709.179292685	4343574.93683077	3568.934863472762	3408.834639107683	3416.7069272061544	3426.45720775558	0	0
246	67586	-209241.1413	852547.3170250766	39.21379234857014	-101.5376321	280910.2705521714	4343570.24400434	3567.27890252505	3396.984240159243	3414.123515857582	3423.19273725758	0	0
247	67587	-208581.1413	852547.3170250766	39.2138065408676	-101.5353037	281111.3608293112	4343566.13902109	3565.70530273116	3384.9167544314178	3411.492539557829	3414.920207029555	0	0

ix	iy	kx	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBotKgr.f	SatHtKgr.f	SatHtBot.f
322	6763	-158421.1413	852457.3170250766	39.14747688871247	-101.3583477	296393.6433749065	4343258.893034378	3146.024941181219	3245.7136039357624	3218.6657050799477	3212.386558749135	3212.7098858514765	32.3270680608489	
324	6764	-157716.1413	852457.3170250766	39.14747676	-101.3501391	296594.7181	4343254.58065058	3441.80147906736	3244.601179847521	3218.574943557157	3211.820417154528	32.062363900376	32.7807672995912	
325	6765	-157101.1413	852457.3170250766	39.1474763997962	-101.3367699	296766.7934919337	4343250.82036722	3419.1874632286	3243.49640633815	3217.42364867763317	3212.42364867763317	32.06727917855647	33.190178013742	
326	6766	-156441.1413	852457.3170250766	39.1476079038965	-101.3562035	296986.86047192567	4343246.785045045	3421.408311357943	3244.39169102985	3215.651709627633	3209.56672089053	32.0832497535075	32.83230971034795	
327	6767	-155711.1413	852457.3170250766	39.1470971126733	-101.3490341	297197.9417199333	4343242.74842936	3420.451628087142	3241.309619453121	3214.146583	3212.54411331872	32.17630367192215	28.765486231249227	
328	6768	-155112.1413	852457.3170250766	39.148103047695	-101.3467057	297399.0151455944	4343238.713	3416.7497348207953	3240.22713524344	3212.496279	3211.747348690216	32.1733466614202	28.765486231249227	
329	6769	-154461.1413	852457.3170250766	39.1482085	-101.3443773	297600.0889119472	4343236.677211958	3413.70481554172	3239.1533901286796	3210.14828699019	3210.6058301286796	32.090512314547205	28.5475622846896	
330	6770	-153801.1413	852457.3170250766	39.1483135595944	-101.3420489	297801.1624070248	4343230.641775033	3409.3459482875496	3238.16271776273	3208.483162749981	3211.535370798965	29.6039794746421	26.533747640797	
331	6771	-153141.1413	852457.3170250766	39.14841814243476	-101.337129	298002.236929464	4343226.60672272	3405.936868965538	3237.002333702	3206.66278683317	3212.14165446118	30.8678517856547	29.8665789208439	
332	6772	-152481.1413	852457.3170250766	39.1485222754964	-101.3373921	298203.3090945334	4343222.571761515	3402.8152609571487	3235.9816190543866	3204.723018347963	3205.43056380162	31.50957142590283	26.54655580024263	
333	6773	-151821.1413	852457.3170250766	39.1486255862654	-101.3350627	298404.2005528329	4343218.83662174	3399.700432581163	3234.9416342884277	3201.636942703673	3205.319307315553	32.0694068460375	26.53271359728075	
334	6774	-151161.1413	852457.3170250766	39.14872919241536	-101.3327353	298605.546186934	4343214.50252439	3396.58260554458	3233.911389374633	3202.826081349896	3202.889347718047	31.08538120247474	31.021454565867	
335	6775	-150501.1413	852457.3170250766	39.14883197626219	-101.3304069	298806.5273803759	4343210.47692256	3394.489778936635	3232.8846491006195	3201.008499326073	3200.8269198362673	32.081399168012265	32.06832926435209	
336	6776	-149841.1413	852457.3170250766	39.1489304103663	-101.3280785	299007.599751364	4343206.43383759	3393.4219147143336	3231.891230305626	3199.691867030108	3200.63395518713	32.060332751795	31.2576178691293	
337	6777	-149181.1413	852457.3170250766	39.14903619472835	-101.3257501	299208.7619223633	4343202.39692809	3392.354101942114	3230.9007938821874	3197.771863798385	3211.119398394357	32.1289003802516	29.78139924751683	
338	6778	-148521.1413	852457.3170250766	39.149141376	-101.3234216	299409.7439	4343198.365739585	3391.286273729944	3229.323688940763	3195.9701569079084	3201.193685	32.06333194	28.73003589846168	
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340	6780	-147201.1413	852457.3170250766	39.149339143058	-101.3187648	299811.8873	4343188.29522025	3384.388360531465	3228.009605827563	3192.410556375644	3200.603149702597	35.999705190011894	27.46048512497928	
341	6781	-146541.1413	852457.3170250766	39.1494382347955	-101.3164364	300012.958623648	4343186.265185616	3380.14507589655	3227.09698624059	3190.68296556842	3202.69222973638	32.362130026721683	27.447367087270977	
342	6782	-145841.1413	852457.3170250766	39.1495388703971	-101.314108	300214.2981030714	4343180.232030801	3375.90345740163	3226.140649721585	3188.348630241398	3199.3941214139848	32.37981952303563	26.746529536266817	
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344	6784	-144561.1413	852457.3170250766	39.14973673924614	-101.309412	300616.17160056497	4343174.16265922	3374.595353614898	3224.374767834314	3185.49818	3193.576750506132	32.381966011713	30.9418971767946	
345	6785	-143921.1413	852457.3170250766	39.14983878786	-101.3070534	300813.142240012	4343171.72624426	3374.30438191713	3223.468498701367	3184.638231584852	3193.5938231584852	32.3938231584852	45.877832222218	
346	6786	-143241.1413	852457.3170250766	39.1499329155509	-101.3047944	301018.3125910025	4343166.10127237	3375.680520257855	3222.54119429033	3182.304216	3212.87116591721	40.2369755200312	34.27002551181613	
347	6787	-142581.1413	852457.3170250766	39.1500303247914	-101.302466	301219.382044771	4343162.06888036	3374.077861	3221.671381708335	3180.7487178493607	3185.849189177829	40.8291687542982	35.8227253110432	
348	6788	-141921.1413	852457.3170250766	39.15012723966296	-101.3001375	301420.4581128065	4343158.037	3370.376466790598	3220.8154413071507	3179.218865277221	3183.956694208045	41.59657546242988	36.85874718134619	
349	6789	-141261.1413	852457.3170250766	39.1502237712710244	-101.2978901	301621.5226305262	4343154.005031078	3368.583633	3219.974045289314	3177.7096219432296	3181.78691877064	42.26423085701765	38.18724611867205	
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351	6791	-139941.1413	852457.3170250766	39.1504158527468	-101.293152	302023.9616789454	4343145.94189722	3358.519679376262	3218.968686977913	3177.800131345508	3177.800131345508	42.9379607008591	45.877832222218	
352	6792	-139281.1413	852457.3170250766	39.1505104094911	-101.29149618	302224.7390735846	4343141.049618	3356.60422455374	3218.458498701367	3176.458498701367	3175.458498701367	42.9379607008591	45.877832222218	
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356	6796	-136641.1413	852457.3170250766	39.15088564631415	-101.2815102	303029.005890115	4343125.78692427	3346.754715371137	3214.5545211637967	3164.917665461443	3170.5730110104263	49.638570253566	44.01751021171438	
357	6797	-135981.1413	852457.3170250766	39.150978943579048	-101.2791818	303203.0472	4343121.75649494	3345.031479796838	3213.8541457204817	3162.429018512074	3168.4291270884457	44.899324703181824	44.899324703181824	
358	6798	-135221.1413	852457.3170250766	39.1510719753202	-101.2768534	303431.142240012	4343117.72624426	3343.30438191713	3213.1745495178386	3161.034387111316	3167.198562059584	51.40462798269584	45.877832222218	
359	6799	-134661.1413	852457.3170250766	39.1511163685509	-101.2745248	303623.2100943212	4343113.69175324	3341.320818949827	3212.518725204877	3157.742618483567	3164.5049122064957	54.755641166433014	43.07736397890196	
360	6790	-134001.1413	852457.3170250766	39.151152554	-101.2721965	303833.277773519	4343109.66287618	3339.05065454245	3211.882220488848	3155.50568	3161.104719949386	55.376532587487	50.6981214935434	
361	6791	-133341.1413	852457.3170250766	39.15124346623124	-101.2698681	304034.3452656454	4343106.863818735	3336.818914714013	3211.266142466755	3153.312011350757	3177.800131345508	53.5892307779985	53.5892307779985	
362	6792	-132681.1413	852457.3170250766	39.15134731369747	-101.2675397	304235.4126525019	4343101.6075311	3334.56681786991	3210.670413140227	3151.098673388615	3154.290676447227	59.1397395161186	56.3801496	
363	6793	-132021.1413	852457.3170250766	39.15152732797712	-101.2652113	304436.47966703796	4343097.57741719	3332.11574339156	3209.0951768119704	3148.8027778033716	3151.144063	61.2922965723882	58.9511116875021	
364	6794	-131361.1413	852457.3170250766	39.15161709520201	-101.2628828	304637.5465794018	4343093.54855448	3329.46477983018	3208.450169503677	3148.3773881021	3147.841092800393	61.61842930165	61.61842930165	
365	6795	-130701.1413	852457.3170250766	39.1517082672196	-101.2605838	304838.7308524	4343089.7308524	3327.4817854433	3207.4817854433	3147.4817854433	3146.4817854433	62.7819831683044	62.7819831683044	
366	6796	-130041.1413	852457.3170250766	39.15179025247624	-101.258226	305045.9782895917	4343084.4077328	3324.162948306118	3206.54893587285	3147.05012695927	3147.78695179096	63.0030306275758	66.70014476376239	
367	6797	-129381.1413	852457.3170250766	39.151883594827	-101.2558976	305240.7461683443	4343081.4621759	3322.373499153048	3207.9852015363394	3139.029471711575	3139.045411763485	68.95572982	68.95572982	
368	6798	-128721.1413	852457.3170250766	39.1519715367412	-101.2536991	305401.812315453	4343077.43179103	3320.44572230408	3207.4954274604135	3136.662125582617	3136.662125582617	70.953171363936	70.	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtElevKgr.ft	SatHtBoth.ft
439	62	67789	-75261.14133	852547.3170250766	39.21576013232223	-101.0649651	321727.5537995611	4342571.732067633	302.963954918950214	2926.1238642703897	2929.8237556042277	18.76199070316847	76.460893628547	
450	62	67790	-74601.14133	852547.3170250766	39.215765229666436	-101.0626396	321928.603191085	4342747.718	302.5663517411965	2919.271214310428	2985.910360890533	31.31449430764433	116.6732026306247	
451	62	67791	-73841.14133	852547.3170250766	39.2157690363475	-101.0603081	322129.656124267	4342733.70970454	301.8849112890144	2988.764583555554	2911.4421582735034	39.13759843739393	78.73381393439393	
452	62	67792	-73201.14133	852547.3170250766	39.215757307127196	-101.0577997	322330.7069354326	4342739.691842953	316.4231637781177	2994.972098619255	2993.67410603611	26.78206	91.2974801566833	
453	62	67793	-72621.14133	852547.3170250766	39.21578027844374	-101.0565612	322531.757527107	4342736.7869165	314.86418142666921	2991.2927343060437	2993.940189818248	2880.9203034930046	37.32552334	
454	62	67794	-71961.14133	852547.3170250766	39.21578520478436	-101.0533227	322732.80803633784	4342731.666	319.3296665757247	2988.74019125225	2987.8069800347416	2991.8265477239427	10.3733390948341	
455	62	67795	-71301.14133	852547.3170250766	39.215770008614907	-101.0509943	322933.85862851914	4342727.653244969	391.68371991323607	2986.673908713253	2984.2754497	2920.32439383185	93.3834991	
456	62	67796	-70641.14133	852547.3170250766	39.2157942537383	-101.0486858	323134.908443621	434273.640739996	319.013567	2986.908606090905	2990.5607371739047	2928.67096059307	36.7432729	
457	62	67797	-69961.14133	852547.3170250766	39.21579971	-101.0468373	323358.958972965	4342719.628415983	318.343415661299	2985.147664585554	2910.254963869607	2924.232400125796	75.9121911447286	
458	62	67798	-69321.14133	852547.3170250766	39.2158046038757	-101.0440089	323537.0081584415	4342715.6172837	318.6732509172258	2985.01902775351	2920.522770078446	2951.4923863220713	64.879136785027	
459	62	67799	-68661.14133	852547.3170250766	39.21580891858084	-101.0416804	323738.057856323	4342711.60437864	318.477721171925	2984.6045327889437	2926.816404784008	2981.7381288444821	34.867408345555	
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461	62	67801	-67341.14133	852547.3170250766	39.215818429844774	-101.0370235	324140.1565367005	4342703.808250458	318.033635342667	2982.910386598584	2931.510515252412	2946.1091790471393	51.399870346242096	
462	62	67802	-66681.14133	852547.3170250766	39.2158229937776	-101.034695	324341.2056	434269.59593363	317.814126372713	2982.0195869967606	2932.4165981622305	2944.631165981622305	49.4002888343501	
463	62	67803	-66021.14133	852547.3170250766	39.215827917934784	-101.0323696	324542.2542946056	434267.53829563732	317.6153297952939	2981.105931448852	2933.5998637990847	2943.732564079014	45.9052674767744	
464	62	67804	-65361.14133	852547.3170250766	39.215831994515796	-101.0300381	324743.30266495	4342691.54720425	317.4.893263090578	2980.17170780641	2932.0527044587066	2944.910422611647	41.1817334773463	
465	62	67805	-64701.14133	852547.3170250766	39.2158364612081	-101.0277796	324944.36183384106	4342683.52625394	317.3512630034354	2979.2244936524894	2931.108823956187	2943.684201424645	41.1769696308461	
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478	62	67818	-56121.14133	852547.3170250766	39.2158914165426	-100.9974392	327557.70074277	434263.411332483	314.707283930814	2968.7961491678507	2997.6532736402423	2997.3367131583183	71.142873175466779	
479	62	67819	-55461.14133	852547.3170250766	39.2158937610547	-100.9951111	327759.013896736	434263.411332483	314.707283930814	2968.7961491678507	2997.6532736402423	2997.3367131583183	71.142873175466779	
480	62	67820	-54801.14133	852547.3170250766	39.21589745036941	-100.9927826	327960.059102764	434263.411332483	314.707283930814	2968.7961491678507	2997.6532736402423	2997.3367131583183	71.142873175466779	
481	62	67821	-54141.14133	852547.3170250766	39.215900122	-100.9904541	328161.105726004	434263.411332483	314.707283930814	2968.7961491678507	2997.6532736402423	2997.3367131583183	71.142873175466779	
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490	62	67830	-48201.14133	852547.3170250766	39.21593259902037	-100.9694979	329970.510034453	434258.732	311.229616052537	2956.99688910807	2875.04520038467	2876.786330570878	70.6193438496047	
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493	62	67833	-46221.14133	852547.3170250766	39.21594225	-100.9625125	330573.6429364323	434257.305103932	310.473491526459	2955.71829416126	2875.056554310513	2870.944480697517	71.672628695747	
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495	62	67835	-44901.14133	852547.3170250766	39.2159485038882	-100.9578555	330975.7301594814	434256.29305145	309.65894086484	2954.082197203687	2880.03400368385	2850.713346842234	72.9618193519835	
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497	62	67837	-											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SurfKthKrg.ft	SurfKthKrg.ft
575	67915	7898.858673073351	852547.3170250766	39.21604932276282	-100.7715772	347058.69490411	4324247.440421042	3006.2670179699137	282.18287190763316	2841.828819706353	2842.089501874719	46.688836013857	40.42790089267237
576	67916	7858.858673073351	852547.3170250766	39.21604871959824	-100.7692487	347259.7250522856	4324234.458439828	3001.984816880974	2831.149498305275	2836.4027174040329	2837.1081478695274	44.7675873447328	40.40241643545065
577	67917	8218.858673073351	852547.3170250766	39.216048156257244	-100.7669033	347604.7561711781	4324230.458369462	3008.763639216138	2831.465783250891	2832.2643962783987	2833.2643962783987	47.4022493738174	40.4022493738174
578	67918	8678.858673073351	852547.3170250766	39.21604750553983	-100.7645198	347661.766869077	432323.4568	3007.46276790904	2878.36691689014	2827.109558134076	2827.109558134076	51.25735806	51.23605407598919
579	67919	10538.858673073351	852547.3170250766	39.2160468984584	-100.7626263	347862.8170588492	4322321.347797026	3005.671402607188	2876.9453959003315	2823.053699142494	2822.529635422402	54.8187568680218	54.8187568680218
580	67920	11198.858673073351	852547.3170250766	39.21604609917576	-100.7599348	348083.84728068987	432177.48706176	3004.54562907416	2875.5093724397375	2818.948736873123	2818.979110982061	56.5600356021464	56.7102614576765
581	67921	11858.858673073351	852547.3170250766	39.2160452835909	-100.7576063	348264.8773551974	432223.48706176	3003.23814822444	2874.0504862466935	2815.1982524782975	2815.1982524782975	58.967194891561	59.24720430278556
582	67922	12518.858673073351	852547.3170250766	39.21604452920601	-100.7552779	348465.907820825	432179.58033072	3002.302167584473	2872.5700379377777	2811.60057964317	2811.612626004171	60.9859797356084	60.754714194
583	67923	13178.858673073351	852547.3170250766	39.21604375739965	-100.7529494	348666.967170617258	432179.58033072	3001.169351385743	2871.7067105230755	2807.99653844229	2807.99653844229	63.07252155891394	63.07252155891394
584	67924	13838.858673073351	852547.3170250766	39.21604295673067	-100.7506209	348867.9696943477	432211.528495739	2999.518333136751	2869.453950594217	2804.633113399206	2804.633113399206	65.085760250659	65.085760250659
585	67925	14498.858673073351	852547.3170250766	39.216041691178376	-100.7482924	348968.996118071227	432207.539684427	2998.254929	2867.99373151146	2802.148232065636	2801.792021367614	66.85654108550989	66.2073517833198
586	67926	15158.858673073351	852547.3170250766	39.2160409649684	-100.7459639	349270.025192807	432203.55059781	2996.991524438764	2866.42909838945	2800.113710741486	2799.846369322486	66.31619617909269	66.58353761655971
587	67927	15818.858673073351	852547.3170250766	39.21604036214458	-100.7436355	349471.05471201835	432193.561925955	2994.83630041919762	2864.836004417988	2798.0217257109594	2797.937469158046	66.9879532599343	66.9879532599343
588	67928	16478.858673073351	852547.3170250766	39.2160382466253	-100.741307	349672.0838547183	432195.573	2991.3294172778806	2863.214647591961	2795.484288679864	2795.484288679864	67.13215891227437	67.13215891227437
589	67929	17138.858673073351	852547.3170250766	39.21603733920482	-100.7389785	349873.1721598831	432191.58441722	2987.978084572505	2861.566006	2792.42363395045	2793.926354301596	68.1423720241512	68.13730177
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591	67931	18458.858673073351	852547.3170250766	39.216034938	-100.7343215	350275.1702179236	432183.60761899	2983.067189657123	2858.142031966165	2788.054486836496	2787.156428033043	67.126713601265	65.02472115361343
592	67932	19118.858673073351	852547.3170250766	39.21603367	-100.7319931	350476.19854993	432176.919853671	2981.914902305644	2856.44280459583	2783.6730633345887	2796.1746734670403	72.76975171139448	60.27532076904295
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595	67935	21098.858673073351	852547.3170250766	39.21602995195287	-100.7250076	351079.2890712864	432167.65950892	2978.781315	2851.036858493462	2781.0044059883993	2803.798087828277	70.02315985207588	47.327657660237
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604	67944	27038.858673073351	852547.3170250766	39.21601480116979	-100.7040114	352894.5289844514	432131.77579598	2951.44151673627	2831.54411673627	2768.158540479238	2768.158540479238	66.1984509143814	66.1721480168017
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609	67949	30338.858673073351	852547.3170250766	39.21600505010756	-100.692408	353893.66642214993	432111.851	2939.71748617958	2823.544135	2774.97467359246	2775.45329359246	58.94556262314304	58.94556262314304
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612	67952	32318.858673073351	852547.3170250766	39.2159980219273	-100.6854235	354496.73642558	432099.8973801	2933.650363344085	2817.550304383307	2770.4648513705088	2772.736724604473	47.08543012794915	47.08543012794915
613	67953	32978.858673073351	852547.3170250766	39.2159963530213	-100.683095	354697.7631001802	432095.93140441	2931.448124422617	2815.5601450548884	2769.9732267548757	2772.054509204613	43.0565830027521	43.0565830027521
614	67954	33638.858673073351	852547.3170250766	39.21599412543517	-100.680765	354898.784164084	432091.92800071	2931.3594425252168	2813.57681646552	2769.9308572521027	2772.369880149263	43.0565830027521	43.0565830027521
615	67955	34298.858673073351	852547.3170250766	39.215992110591916	-100.6784831	355099.81359301304	432087.945199054	2929.271646512346	2811.602134748891	2770.0409026318815	2772.473927822311	41.5613213027604	39.12820665806602
616	67956	34958.858673073351	852547.3170250766	39.21598945072355	-100.676196	355300.3368269594	432083.961497379	2927.3184736	2809.736860212945	2768.87307293211	2768.87307293211	37.528599357366	36.41818103706737
617	67957	35618.858673073351	852547.3170250766	39.21598744978476	-100.673918	355501.3618978476	432079.978776917	2925.381972706868	2807.948327626783	2767.948327626783	2767.948327626783	36.41818103706737	36.41818103706737
618	67958	36278.858673073351	852547.3170250766	39.21598549620431	-100.671426	355702.8882791379	432075.945432019	2923.01016148098	2805.938375033766	2767.867230973014	2767.867230973014	35.058263682451	35.058263682451
619	67959	36938.858673073351	852547.3170250766	39.21598210145583	-100.6691242	355903.912894488	432071.01468316	2920.361677					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRElevKsgg.ft	BRElevBothKrg.ft	SatThLgHs.ft	SatThBotHs.ft
700	92	68041	91058.85867307335	8525457.3170250766	39.215624478353355	-100.4781899	732787.450726321	341746.001417078	2754.452523	2675.15366989308	2638.0539861191357	2637.731791589171	37.45867919902545	37.78187439866474
702	92	68042	91178.85867307335	8525457.3170250766	39.21681825050678	-100.4758618	732888.48897020733	341743.03105919	2793.250382945444	2637.281293095747	2632.486805	2632.126593267634	37.45867919902545	41.68576511252356
703	92	68043	92338.85867307335	8525457.3170250766	39.21561197786466	-100.473633	732769.5203688327	341738.064873358	2792.21326871047	2637.1277340811047	2632.46684315203973	2632.1658811047	44.66491319	44.960119
704	92	68044	93038.85867307335	8525457.3170250766	39.215605680156925	-100.4712046	732990.5158631138	341740.07019318	2790.33973617568	2637.4070167888177	2632.00175077224	2632.7905540633243	47.46846181	47.6795362482341
705	92	68045	93698.85867307335	8525457.3170250766	39.21559929747362	-100.4688761	733191.52921512304	341729.123248355	2790.46623236231	2668.8549779384515	2619.043453266748	2619.00415562689	49.81062467170341	49.88622376726262
706	92	68046	94358.85867307335	8525457.3170250766	39.2155828981473	-100.4665477	733392.54454506045	341726.11646033	2789.5927301067372	2668.20194057355	2615.79285714783	2615.9045452322677	51.52176369505271	51.656707346785
707	92	68047	95018.85867307335	8525457.3170250766	39.2155684718027	-100.4642192	733593.5555551387	341722.19428547	2788.814949450494	2664.82613204083	2613.40555551226	2613.590667128357	52.235464871517	52.235464871517
708	92	68048	95678.85867307335	8525457.3170250766	39.21557994	-100.4618908	733794.5685395529	341718.7227	2786.94249450439	2664.831592494783	2611.852118713613	2612.161474038512	52.68600107964715	52.6768493096579
709	92	68049	96338.85867307335	8525457.3170250766	39.2155739684794	-100.4598623	733995.58140451455	341714.25897287	2786.463814313785	2663.1296768181385	2610.942587	2611.42649137851	52.6768493096579	52.6768493096579
710	92	68050	96998.85867307335	8525457.3170250766	39.2155669042376	-100.4572338	734196.5941482253	341710.29304424	2783.991714212178	2661.882935290403	2610.648851212674	2611.152323272214	53.12413230736551	53.705052041318925
711	92	68051	97658.85867307335	8525457.3170250766	39.21556017688722	-100.4545054	734397.60708902	341707.323040197	2783.71799955751	2660.6788017145577	2610.677409106426	2611.10715093005	53.705052041318925	53.705052041318925
712	92	68052	98318.85867307335	8525457.3170250766	39.21555349757521	-100.452577	734598.6192727141	341702.359814359	2778.407147067105	2659.501388358712	2610.827497451258	2611.3161946832	48.69860490715346	48.69860490715346
713	92	68053	98978.85867307335	8525457.3170250766	39.21554786	-100.4502485	734799.63155330084	341698.39347004	2775.176628170658	2658.3400612250916	2610.82693980226	2611.1055113587086	47.51312142	47.2345498683308
714	92	68054	99638.85867307335	8525457.3170250766	39.21554009424714	-100.4479201	735000.6439146555	341694.427298121	2771.945892228603	2657.18760665427	2610.715899	2610.7678565242047	46.47180180114674	46.47180180114674
715	92	68055	100298.85867307335	8525457.3170250766	39.21553319698628	-100.4459516	735201.65955518385	341690.461307703	2768.788823212625	2656.039423398782	2610.7352339881116	2610.954065	45.284189400670584	45.284189400670584
716	92	68056	100958.85867307335	8525457.3170250766	39.2155263395688	-100.4435232	735402.66817561164	341686.495	2765.70528461782	2654.89215103509	2610.381881	2610.56095624427	44.3228511085195	44.3228511085195
717	92	68057	101618.85867307335	8525457.3170250766	39.21551349717966	-100.4409347	735603.68067829625	341682.529640253	2762.671764542827	2653.742536415521	2609.929980355561	2610.93587147484	43.8125867659447	43.6489425747103
718	92	68058	102278.85867307335	8525457.3170250766	39.21551248981491	-100.4380633	735804.6918573174	341678.56601572	2759.538230622894	2652.587762866236	2608.813861688165	2609.02800940923	43.73905549624098	43.55966294562409
719	92	68059	102938.85867307335	8525457.3170250766	39.21550548747444	-100.4362778	736005.7035	341674.599125815	2757.985140074296	2651.426781399699	2607.987019407963	2608.961802557296	43.43976190872263	43.0648784204298
720	92	68060	103598.85867307335	8525457.3170250766	39.2154984601497	-100.4339494	736206.7150614948	341670.634032028	2756.95634898466	2650.258276881656	2607.5412936810794	2607.919756317469	42.4371078062715	42.3947310769673
721	92	68061	104258.85867307335	8525457.3170250766	39.215491377868304	-100.431621	736407.72648495494	341667.110464	2757.929915722386	2649.033731991147	2606.690619407229	2607.4283794922	42.3927739188575	41.9774971969171
722	92	68062	104818.85867307335	8525457.3170250766	39.21548425062022	-100.4292525	736607.7377895181	341662.704	2756.93295460344	2647.90002403444	2606.0176278079	2606.4726599891423	42.38772962	41.4271824347291
723	92	68063	105378.85867307335	8525457.3170250766	39.21547716368094	-100.4269643	736809.74887980927	341658.7890809	2756.036877847414	2646.7838398168527	2605.42737353928	2605.42737353928	42.38772962	42.38772962
724	92	68064	106238.85867307335	8525457.3170250766	39.21546986114343	-100.4242536	737010.7600433787	341653.75421361	2755.0552696148	2645.508975488945	2605.7351188054025	2606.4074428218603	42.3735663491885	41.910152060734084
725	92	68065	106888.85867307335	8525457.3170250766	39.215462858951135	-100.4223072	737211.770992849	341650.81215085	2754.265795854935	2644.30132877412	2605.544760992713	2606.2957762603	38.7566881	38.00552054051
726	92	68066	107558.85867307335	8525457.3170250766	39.21545529178354	-100.4199787	737412.7818241427	341646.847817375	2750.576370137596	2643.087958642171	2605.463265927786	2605.424223983234	37.6246921565305	36.8845374019824
727	92	68067	108218.85867307335	8525457.3170250766	39.2154479394066	-100.4176503	737613.7925381683	341642.8337622	2747.33992051298	2641.8705798362574	2605.16543597224	2606.05602151119	36.705143303306	35.8145778318226
728	92	68068	108878.85867307335	8525457.3170250766	39.2154405422246	-100.4153129	737814.8031343564	341638.92	2742.95024867789	2640.6492262224283	2604.729532756459	2605.639957859329	35.91969346596943	35.0092683630918
729	92	68069	109538.85867307335	8525457.3170250766	39.21543310042665	-100.4129834	738015.8131811811	341634.9173359	2741.95369788337	2639.42836611785	2604.5237413183394	2604.729532756459	35.91969346596943	34.6261389848057
730	92	68070	110198.85867307335	8525457.3170250766	39.215425611393324	-100.410623	738216.8237484715	341630.925985994	2740.91748904578	2638.194851504339	2603.164581869955	2603.63949550023	35.0349685544275	34.63725855434275
731	92	68071	110858.85867307335	8525457.3170250766	39.21541808	-100.4083365	738417.8342195584	341627.029722771	2739.326428691084	2636.962006381085	2601.176691924831	2601.629108105957	35.78531441127734	35.32889230151386
732	92	68072	111518.85867307335	8525457.3170250766	39.21541054297246	-100.406081	738618.8443475096	341623.06764855	2738.0449082325	2635.750225743132	2598.289611029487	2599.39655	35.781411544815	35.32889230151386
733	92	68073	112178.85867307335	8525457.3170250766	39.21540283202875	-100.4036797	738819.8545838973	341619.10385241	2736.7015353155476	2634.4771405288334	2594.949877	2596.3964784343275	35.7226333323226	35.140620945804
734	92	68074	112838.85867307335	8525457.3170250766	39.21539521533331	-100.4013512	739020.864250141	341615.14138919	2735.388965358718	2633.216611376835	2591.46353486799	2592.98423896347	35.1472564903576	35.0232740489766
735	92	68075	113498.85867307335	8525457.3170250766	39.21538795338855	-100.3990228	739221.8470235495	341611.178968075	2734.28917683275	2632.04407963921	2587.374969586977	2588.859136032882	35.0936930532274	34.089544066321
736	92	68076	114158.85867307335	8525457.3170250766	39.21537971646495	-100.396843	739422.883959177	341607.21716112	2733.1917190472	2630.65876320533	2585.427374736454	2586.427374736454	35.0936930532274	34.089544066321
737	92	68077	114818.85867307335	8525457.3170250766	39.2153719445737	-100.3943569	739623.8932424665	341603.25469075	2732.03137052338	2629.363371694223	2583.890255759163	2584.890255759163	34.089544066321	34.089544066321
738	92	68078	115478.85867307335	8525457.3170250766	39.21536400770336	-100.3920375	739824.9026719034	341599.29213558	2730.62112387291	2628.05697061967	2572.729099817309	2576.60439060513	35.3269724465793	35.1450761999155
739	92	68079	116138.85867307335	8525457.3170250766	39.2153562058803	-100.389709	7398025.91599148	341595.35013558	2627.78654956278	2626.736720914527	2569.84330641661	2573.819258223044	35.6893041478719	35.219711880148304
740	92	68080	116798.85867307335	8525457.3170250766	39.21534826903761	-100.3873806	7398206.921977795	341591.36919597	2626.0254742184	2625.40546890574	2568.27302703709	2569.833465118984	35.7130242866524	35.57210047807467
1	93	68081	-370941.1413	853117.3170250766	39.21078182774578	-100.3870727	731640.181260296	341647.814294785	2501.549852789541	3637.7254847842647	3762.753014952579	3760.511351323929	74.193474986504	77.21413616099517
2	93	68082	-370281.1413	853117.3170250766	39.2107876	-100.386028	731640.181260296	341647.814294785	2501.549852789541	3637.7254847842647	3762.753014952579	3760.511351323929	74.193474986504	77.21413616099517
3	93	68083	-369581.1413	853117.3170250766	39.2107934	-100.385079	731640.181260296	341647.814294785	2501.549852789541	3637.7254847842647	3762.753014952579	3760.511351323929	74.193474986504	77.21413616099517
4	93	68084	-368961.1413	853117.3170250766	39.210799164360075	-100.3841659	731640.181260296	341647.814294785	2501.549852789541	3637.7254847842647				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SatHtElevKgr.ft	SatHtBothKgr.ft
87	93	68167	-314181.1413	853117.3170250766	39.2127693083339	-101.9075816	248938.03675469183	4344417.865581744	3845.254461129328	367.3411266709865	3615.721568045893	3628.6834684848131	37.12255858639719	58.660572828543
88	93	68168	-313251.1413	853117.3170250766	39.21276905538436	-101.9055234	249139.1642703204	4344413.76581821	3761.17368260476	3685.269389584173	3614.9126897173596	3614.762318149735	37.03635014105765	58.121416789896
89	93	68169	-312861.1413	853117.3170250766	39.21281291378568	-101.9031493	249340.29153748995	4344406.252913621	3887.08912527476	3693.1568456478027	3613.927423787733	3693.5994615087925	36.25612181449802	59.0912445492016
90	93	68170	-312021.1413	853117.3170250766	39.21283334179656	-101.900067	249451.41855540002	4344395.626834277	3833.002682194668	3681.006526684913	3612.769642973924	3630.1901151283935	36.2378638089712	58.01635711017816
91	93	68171	-311541.1413	853117.3170250766	39.21285459	-101.8985388	249742.5453272741	4344394.547631046	3829.24783266162	3678.816764767533	3611.320294356515	3625.2682473709866	37.49646731023808	53.54885110576773
92	93	68172	-310881.1413	853117.3170250766	39.2128757920366	-101.8962106	249943.6185052995	4344397.469	3825.78174563271	3676.586503	3610.68705381406	3619.91616216475083	36.89896792662967	56.624816652914
93	93	68173	-310221.1413	853117.3170250766	39.21289665481366	-101.8938283	250144.7981256863	4344393.382173421	3822.315559094234	3674.3181687390284	3610.3669366861513	3615.326641	63.95123205	58.9915264488827
94	93	68174	-309661.1413	853117.3170250766	39.21291807175509	-101.8915541	250345.29415364005	4344389.311096015	3818.843971286055	3672.0127076573835	3610.360468466464	3611.8905473846567	61.26223917091563	60.12162072272689
95	93	68175	-308961.1413	853117.3170250766	39.21295914272826	-101.8892259	250647.04963436718	4344385.232618208	3789.7847581267688	3669.870252928654	3610.732742378773	3677.96934461507694	58.837263940567925	56.0786931
96	93	68176	-308241.1413	853117.3170250766	39.21296017707339	-101.8869877	250748.1745680704	4344381.15423398	3877.07121224688	3667.290146789942	3611.389727239677	3607.76919	55.90043564717146	59.5212312479431
97	93	68177	-307581.1413	853117.3170250766	39.21298115277607	-101.8845694	250949.30075456585	4344380.127323505	3801.044381091858	3664.8705481085	3612.5296126055435	3606.6374237564135	58.23584560830275	58.23584560830275
98	93	68178	-306921.1413	853117.3170250766	39.21300206939115	-101.8822412	251150.2457923366	4344372.99828628	3794.516500188526	3662.419646046687	3614.7314507515877	3605.847537748231	47.6882043751013	56.57210829457806
99	93	68179	-306261.1413	853117.3170250766	39.213022981939275	-101.879913	251351.55058910232	4344368.92542793	3791.81558914186	3659.931032829485	3617.683320007434	3617.73372209717	54.77073200619765	54.77073200619765
100	93	68180	-305601.1413	853117.3170250766	39.213043829071026	-101.8775848	251552.67513676003	4344364.84282859	3791.153284797975	3657.404552782624	3621.339646	3605.38913915494	36.0440758036306	52.0662386676305
101	93	68181	-304941.1413	853117.3170250766	39.213351182951764	-101.8752568	251735.7994384381	4344360.76906481	3790.989071811429	3658.632866711783	3626.0740065843	3606.269342382298	36.76559423494005	48.5696423494005
102	93	68182	-304281.1413	853117.3170250766	39.21330833842914	-101.8732923	251964.92349431678	4344356.88413948	3790.827247143005	3652.221155559474	3632.332464	3609.5484912210594	19.8989195457424	42.583704338978
103	93	68183	-303621.1413	853117.3170250766	39.2131061065544	-101.8706001	252156.0473046639	4344352.611404358	3791.8584364330545	3649.595799217629	3639.6544879870953	3617.672687550133	94.94131284431322	27.9181739062529
104	93	68184	-302961.1413	853117.3170250766	39.21312676791314	-101.8682718	252357.1706965187	4344348.535	3794.095856581411	3646.930152094885	3648.541562671733	3638.913243339594	0	8.017298107552577
105	93	68185	-302301.1413	853117.3170250766	39.21314739020224	-101.8659436	252558.29418925347	4344344.458	3796.331734926777	3644.23303656472	3657.788289190454	3655.4365438198265	0	0
106	93	68186	-301641.1413	853117.3170250766	39.21316796752286	-101.8636154	252759.4176041626	4344340.34177659	3798.5683841781247	3641.522490540826	3648.339570325445	3641.304259	0	0.22003183548258676
107	93	68187	-300981.1413	853117.3170250766	39.2131848997447	-101.8612871	252960.54009041466	4344336.30502462	3798.7064142700395	3638.748622622016	3627.06708	3606.2872254361	11.723399549055694	32.919472065495
108	93	68188	-300321.1413	853117.3170250766	39.21320868725752	-101.8595898	253161.66267945172	4344332.29110771	3798.745525500798	3636.02686252277	3607.7595342153796	3605.3924398182683	58.9678254276847	58.9678254276847
109	93	68189	-299661.1413	853117.3170250766	39.21323109887776	-101.8568261	253377.3341156775	4344275.183092033	3794.978843501818	3626.145394530189	3615.0140070143967	3615.0140070143967	19.13814671755672	58.5254617306295
110	93	68190	-299001.1413	853117.3170250766	39.21324982711726	-101.8543204	253563.3071744554	4344204.07747875	3798.829473765163	3630.462904380264	3579.666143544394	3566.320077712501	50.7962059387055	64.14282722552525
111	93	68191	-298341.1413	853117.3170250766	39.21327018	-101.8519741	253765.0287045185	4344200.01936661	3799.257367138604	3627.688818248234	3567.688818248234	3552.95085333255	59.87061177139328	74.1229448090162
112	93	68192	-297681.1413	853117.3170250766	39.213200467101645	-101.8496459	253966.1505796982	4344315.825678923	3798.049621532676	3624.855378773073	3554.903688	356.00684201353	69.951601896727	64.8853671
113	93	68193	-297021.1413	853117.3170250766	39.213310749640485	-101.8473176	254167.2719454102	4344313.961480458	3796.9126915516286	3622.03272206106	3541.542186074755	3522.1858608980365	60.0108613	99.8547653006636
114	93	68194	-296361.1413	853117.3170250766	39.21333096779188	-101.8448984	254368.39306779188	4344307.76413856	3798.740240705995	3619.2133022541653	3626.7391961604812	3598.598552814896	42.49210609386841	98.63274267
115	93	68195	-295701.1413	853117.3170250766	39.213351182951764	-101.8426816	254597.3341156775	4344275.183092033	3794.978843501818	3626.145394530189	3615.0140070143967	3615.0140070143967	19.13814671755672	58.5254617306295
116	93	68196	-295041.1413	853117.3170250766	39.213371272	-101.8403239	254770.6456533864	4344254.782849133	3793.61422884913	3613.927423787733	3617.683320007434	3617.73372209717	54.77073200619765	54.77073200619765
117	93	68197	-294381.1413	853117.3170250766	39.213391350115586	-101.8380046	254971.750782281013	4344295.52524012	3789.255453941846	3611.4659461730707	3479.38105072996	3648.608251225633	132.084541100846	124.8579404740771
118	93	68198	-293721.1413	853117.3170250766	39.21341138780951	-101.8356764	255175.872281013	4344293.8748219	3788.6589489178	3610.216056113419	3482.4206043709964	3483.5601783676	127.7954517424227	126.655877676412
119	93	68199	-293061.1413	853117.3170250766	39.21343138053401	-101.8333481	255373.99313691087	4344284.04209545	3784.0518519796	3609.160643554263	3485.299736244083	3489.16735630397	123.8604890298548	119.9382705033897
120	93	68200	-292401.1413	853117.3170250766	39.2134513288932	-101.8310199	255575.114803222	4344283.30319382	3780.723445394575	3608.1418362054604	3486.374547581705	3483.5601783676	127.7954517424227	126.655877676412
121	93	68201	-291741.1413	853117.3170250766	39.213471231075424	-101.8288916	255768.7242284396	4344279.256612537	3777.399129165529	3607.139129165529	3486.835411660858	3502.716390584393	103.20371759044133	99.96748956
122	93	68202	-291081.1413	853117.3170250766	39.21349109887776	-101.8263634	255977.3341156775	4344275.183092033	3774.978843501818	3626.145394530189	3615.0140070143967	3615.0140070143967	19.13814671755672	58.5254617306295
123	93	68203	-290421.1413	853117.3170250766	39.21351091738795	-101.8240351	256178.4723232125	4344271.07934955	3771.0952524766014	3605.1713870845985	3485.03910408963	3520.357085454935	115.7174765934237	84.8143276267598
124	93	68204	-289761.1413	853117.3170250766	39.21353066961801	-101.8217068	256379.9105337956	4344267.03692824	3769.423884640302	3604.2050301046256	3492.108751829173	3517.56111090491	110.9627827545273	86.64319914967
125	93	68205	-289101.1413	853117.3170250766	39.21355032526834	-101.8193786	256580.7095128703	4344262.96319672	3767.4382458050027	3603.2504478176857	3494.373048417567	3512.209099	108.773979592894	91.413139043261
126	93	68206	-288441.1413	853117.3170250766	39.2135700746626	-101.8170503	256781.82773129846	4344258.891	3765.40260699703	3602.367091652237	3495.169275404209	3505.69409751329	107.1384147611243	96.61278263
127	93	68207	-287781.1413	853117.3170250766	39.21358970346234	-101.8147221	256982.9450790959	4344254.81823501	3763.144323	3601.376628271187	3493.9456426857582	3502.743737317054	107.1384147611243	96.61278263
128	93	68208	-287121.1413	853117.3170250766	39.21360929143671	-101.8123938	257184.063446399	4344250.74500448	3760.51329746833	3600.457063061635	3493.9456426857582	3502.743737317054	107.1384147611243	96.61278263
129	93	68209	-286461.1413	853117.3170250766	39.21362910988776	-101.8100672	257385.9297122074	4344242.23877226	3758.374678703062	3600.457063061635	3493.9456426857582	3502.743737317054	107.1384147611243	96.61278263
130	93	68210	-285801.1413	853117.3170250766	39.21364833	-101.8077372	257586.28902401865	4344240.71804478	3756.2515330056385	3598.615780598757	3479.584270131093	3473.761387487323	122.1472861489351	124.0086205105469
131	93	68211	-285141.1413	853117.3170250766	39.21366778562091	-101.805409	257787.4512795103	4344238.529631033	375					

ix	iy	X	Y	Lat	Long	UTM	SurElev	W.Lt	BR	BR	Sat	Sat	
ix	iy	X	Y	Lat	Long	UTM	SurElev	W.Lt	BR	BR	Sat	Sat	
23	93	68293	-231021.1413	853117.3172050766	39.21510990429538	-101.6144869	274278.214829132	4343905.259294745	3625.740867050503	3450.0958380592054	3480.8278500361407	34156.6047451881072	0
214	93	68294	-230361.1413	853117.3172050766	39.21512362479072	-101.6121588	274478.9121008024	4343901.202614706	3624.47971291854	3448.175910530264	3478.459946605053	3510.1793044282772	0
215	93	68295	-229701.1413	853117.3172050766	39.215234469301367	-101.6086827	274460.4086193455	4343897.146117143	3622.7486541783	3446.240275163335	3475.7486541783	3402.334048716696	0
216	93	68296	-229041.1413	853117.3172050766	39.21516503864204	-101.6075018	274481.50890977745	4343892.09820858	3620.538249698289	3444.4968090812929	3446.7118326293356	0	
217	93	68297	-228831.1413	853117.3172050766	39.21517251642227	-101.6051734	275082.0641487127	4343889.03671031	3618.3309892403626	3442.637182791854	3469.8384618901327	3492.5858583834515	0
218	93	68298	-227721.1413	853117.3172050766	39.21518805740786	-101.6028451	275283.7011	4343884.97721296	3616.123730600096	3440.7907667002705	3466.667976649425	3488.910630359619	0
219	93	68299	-227061.1413	853117.3172050766	39.21520356286096	-101.6005167	275484.797878573	4343880.921955539	3614.9601870055116	3438.947049786107	3463.8740721374147	3484.685138978214	0
220	93	68300	-226401.1413	853117.3172050766	39.2152190334152	-101.5981883	275685.89429133193	4343786.866371859	3614.844385465309	3437.10563233077	3461.297684543567	3486.84181009755	0
221	93	68301	-225741.1413	853117.3172050766	39.215234469301367	-101.5965859	275896.89656149205	4343878.120870892	3615.2661317024567	3458.95128200200205	3483.462167689196	0	
222	93	68302	-225081.1413	853117.3172050766	39.215249739712953	-101.5935316	276288.1065124714	4343868.755725598	3614.6007013851035	3433.4281281437	3475.4651811692097	3415.83205263274	0
223	93	68303	-224421.1413	853117.3172050766	39.21526505847744	-101.5912032	276689.1824414753	4343864.70017002	3612.8365681958585	3431.5911692996942	3455.4480744695545	3480.39073333387	0
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226	93	68306	-222441.1413	853117.3172050766	39.2153107288005	-101.5842181	276892.4860467835	4343852.536706251	3602.611255	3426.0836391271637	3451.248233547595	3475.57056041044	0
227	93	68307	-221781.1413	853117.3172050766	39.21532589872207	-101.5818897	277093.56355162815	4343848.452401327	3599.8589023830297	3424.274642288357	3450.308637047448	3473.896150609883	0
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229	93	68309	-220461.1413	853117.3172050766	39.215356053517765	-101.577223	277495.752786475	4343840.3743394185	3595.66468868895	3420.571731586283	3448.890194741563	3470.364742193458	0
230	93	68310	-219801.1413	853117.3172050766	39.21537103645139	-101.5749046	277686.8704743879	4343836.321	3593.570228118283	3418.7303593127835	3448.7320319914134	3468.572992793548	0
231	93	68311	-219141.1413	853117.3172050766	39.215385992411067	-101.5725762	277897.941429642	4343832.2670080485	3592.2565121494868	3416.8857805156913	3448.892847104874	3466.7450591274846	0
232	93	68312	-218481.1413	853117.3172050766	39.21540009320066	-101.5702478	278099.030490485	4343828.21361262805	3591.725310981073	3415.0369770385524	3449.167308348445	3465.5618092576257	0
233	93	68313	-217821.1413	853117.3172050766	39.21541576941505	-101.5679194	278300.1286229724	4343824.160407159	3591.1941098142534	3413.1833253179066	3450.107809575361	3460.61960222858	0
234	93	68314	-217161.1413	853117.3172050766	39.21543059	-101.565591	278501.22203472257	4343820.170826295	3590.6530919326665	3411.326529747956	3451.04917453264	3461.804314014884	0
235	93	68315	-216501.1413	853117.3172050766	39.2154463626919	-101.5632827	278702.354569358978	4343816.554699578	3589.654699578	3409.654699578	3452.36271355839	3462.36271355839	0
236	93	68316	-215841.1413	853117.3172050766	39.21546007672229	-101.5605343	278903.4802029747	4343810.01675353	3588.0765589046	3407.580043840493	3449.29642915257	3465.001656475877	0
237	93	68317	-215181.1413	853117.3172050766	39.215474787343564	-101.5586059	279104.5005984014	4343807.943695935	3586.528554426915	3405.699219819293	3444.452712467298	3460.69736220075	0
238	93	68318	-214521.1413	853117.3172050766	39.21548942895395	-101.5562775	279305.5349880426	4343803.897	3584.9812052971536	3403.81679481468	3439.774318165998	3456.2543592923356	0
239	93	68319	-213861.1413	853117.3172050766	39.21550042079235	-101.5539491	279506.68820916	4343799.844886795	3583.2320522809246	3401.931669534783	3435.46182099606	3452.20284	0
240	93	68320	-213201.1413	853117.3172050766	39.21551857227618	-101.5516207	279707.7779236482	4343795.793	3581.281552354396	3400.042912781094	3431.535678461475	3448.175620271935	0
241	93	68321	-212541.1413	853117.3172050766	39.21553336279083	-101.5498223	279908.0681038365	4343791.741307245	3579.8310524278777	3398.1495468309333	3427.68933371975	3444.138393371975	0
242	93	68322	-211881.1413	853117.3172050766	39.21554753974448	-101.548014	280109.549717501	4343797.489714291	3578.0155051211146	3397.0155111146	3425.762512586221	3440.158384254002	0
243	93	68323	-211221.1413	853117.3172050766	39.215561656048866	-101.5446356	280311.052932387	4343783.638367878	3575.9110397870672	3394.347455	3423.0549747404593	3436.2270312328765	0
244	93	68324	-210561.1413	853117.3172050766	39.215573723760026	-101.5423072	280512.141681469	4343793.587156995	3574.922514285332	3392.437013940357	3420.088913	3432.33415817793	0
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246	93	68326	-209241.1413	853117.3172050766	39.21560493050699	-101.5376054	280914.32609604115	4343771.485300783	3572.945632818615	3388.590626192254	3415.741643116326	3426.94456436239	0
247	93	68327	-208581.1413	853117.3172050766	39.21561917416105	-101.535322	281115.4168777218	4343767.434847453	3571.59835919325665	3387.410924149505	3410.599147801593	3420.591541181782	0
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252	93	68332	-205281.1413	853117.3172050766	39.21568967881744	-101.523368	282120.86637946195	4343747.18411813	3563.67832319589	3376.816361190982	3400.139312946254	3401.100514167284	0
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254	93	68334	-203961.1413	853117.3172050766	39.21571756940059	-101.5190322	282523.4407549416	4343739.065183782	3561.1654167224467	3372.796438208495	3393.70417801953	3394.294281963617	0
255	93	68335	-203301.1413	853117.3172050766	39.21573143585004	-101.5167336	282732.5152809616	4343735.0152809616	3559.89458993535	3370.891498949333	3391.891498949333	3391.891498949333	0
256	93	68336	-202641.1413	853117.3172050766	39.2157457518055	-101.5143664	282925.2222775674	4343730.98697813	3557.91426771748	3368.727722021447	3397.9191617219337	3397.9167766843	0
257	93	68337	-201981.1413	853117.3172050766	39.215757906	-101.512038	283126.3017055314	4343726.983150539	3556.165721276485	3366.66818530691	3385.441608868045	3382.627434442014	0
258	93	68338	-201321.1413	853117.3172050766	39.2157702382056	-101.5097096	283327.3989345047	4343722.889504324	3554.4171808818232	3364.596825183266	3384.765181859463	3380.560045098216	0
259	93	68339	-200661.1413	853117.3172050766	39.21578650023062	-101.5073812	283528.488494488	4343718.841045209	3552.7818005616787	3362.53103679007	3382.0896898402336	3378.02443591855474	0
260	93	68340	-200001.1413	853117.3172050766	39.21580051196673	-101.5050528	283729.5747149576	4343714.792791475	3551.1995803160507	3360.47162838478	3379.585674951965	3376.47201704	0
261	93	68341	-199341.1413	853117.3172050766	39.215815786979178	-101.502724	283930.9625877556	4343710.74466019	3549.677360077042	3358.31138893137	3377.17814644677	3374.168217135595	0
262	93	68342	-198681.1413	853117.3172050766	39.21582731435004	-101.500396	284131.748652013	4343706.96743591	3548.07132924734	3356.194569737467	3374.515824186207	3371.79424336645	0
263	93	68343	-198021.1413	853117.3172050766	39.21584083732397	-101.4980676	284323.8368546957	4343702.649	3546.007121108346	3354.06			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtBoth.ft
339	ix	68419	-147861.1413	853117.3170250766	39.216736520377246	-101.3211062	299614.85407750314	4343395.554308641	3388.893391794226	332.4877008000753	3194.5797576128384	3199.7649444669641	34.90734336723684
340	ix	68420	-147201.1413	853117.3170250766	39.21674657	-101.3187777	299815.92546729353	4343391.521	3385.657306673225	328.4984460551927	3192.7998483526453	3200.053404877895	36.9869750282735
341	ix	68421	-146891.1413	853117.3170250766	39.216756925930215	-101.316489	30016.9666629273	4343387.487	3382.421221712224	327.520931310564	3191.0213592696	3186.778023698222	35.7880535438889
342	ix	68422	-145891.1413	853117.3170250766	39.21676546757108	-101.3141208	300218.76557670066	4343383.453715598	3379.1851360712325	326.554133646055	3189.2673717343227	3196.97177611885445	37.01260221248276
343	ix	68423	-145221.1413	853117.3170250766	39.2167766559952	-101.3117923	300419.13845673837	4343379.420458159	3377.974211630966	325.598378467888	3187.5678780964796	3176.1278852226242	38.03005054408316
344	ix	68424	-144561.1413	853117.3170250766	39.2167863394636	-101.3094638	300620.2906059735	4343375.387562491	3378.7884405133	324.654194314331	3185.900414434701	3193.95313938866	38.73777988
345	ix	68425	-143901.1413	853117.3170250766	39.21679616835767	-101.3071354	300821.2794684828	4343370.354758591	3379.6020684	322.718438754242	3184.262577930453	3191.1919162197	39.459269594497314
346	ix	68426	-143241.1413	853117.3170250766	39.21680955227347	-101.3040869	301122.346980603	4343367.321336453	3380.41602890247	322.800739105066	3182.656019546524	3188.6266909917877	40.1471795405425
347	ix	68427	-142591.1413	853117.3170250766	39.21681959127163	-101.3024784	301224.41869716345	4343363.298969563	3380.862225940775	322.861226958667	3181.6817571279836	3186.0735296867635	40.81036351692784
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351	ix	68431	-139941.1413	853117.3170250766	39.216851819721849	-101.2931465	302126.20276978	4343347.16715861	3363.266407696119	318.295139853835	3173.973354567782	3184.4725826053434	45.08318804286857
352	ix	68432	-139281.1413	853117.3170250766	39.21686317128062	-101.2908361	302228.766833174	4343343.130220111	3360.404203580577	317.559507699097	3172.6942329452436	3175.7650940294543	46.06527473853555
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363	ix	68443	-132021.1413	853117.3170250766	39.21696537655553	-101.2652228	304440.515332991	4343298.795961638	3335.078707488609	3209.5415976351187	3148.59176351187	3151.7877699955	59.05869804249655
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374	ix	68454	-124761.1413	853117.3170250766	39.2170614177505	-101.239068	306652.2370707784	4343245.49247701	3322.536872046573	3202.33087296036	3122.1179252642	3121.9853058911878	80.14344627696
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382	ix	68462	-119481.1413	853117.3170250766	39.21712823981254	-101.220916	308260.7485761636	4343222.26732039	3310.050602760517	3187.9892704104983	3113.545759229012	3112.40655505772	90.121467148436
383	ix	68463	-118821.1413	853117.3170250766	39.217136339190425	-101.218631	308461.81187718971	4343218.24200321	3308.563789738376	3182.8254717666114	3111.816902335517	3110.74260277464	91.73209958082444
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385	ix	68465	-117501.1413	853117.3170250766	39.21715243878405	-101.2139961	308863.9353987085	4343210.191559084	3307.914923146459	3179.835895806256	3110.444288371479	3110.7356743218225	93.9913013
386	ix	68466	-116841.1413	853117.3170250766	39.21716042875807	-101.2116676	309065.0000000000	4343206.162016185	3312.959336416136	3177.0240371524546	3108.7024322881	3110.24065939571	95.7321292357371
387	ix	68467	-116191.1413	853117.3170250766	39.2171683868149	-101.2093391	309266.						

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SurfElev.f	Lat	Long
465	98545	-64.071.14133	853117.31720250766	39.217649108256325	-101.0277153	42948.36645213055	434288.735990108	3175.233307	279.0961142813223	2930.8944826222175	2947.3256184695906	27.201642551005534	30.7705634366242	30.7705634366242
466	98546	-64.040.14133	853117.31720250766	39.217653459456746	-101.025368	325149.414656248	424884.72471704	3175.5114854854017	297.1680444833908	2926.8355397999577	2945.4630130159208	48.3325048697238	31.70503146667238	31.70503146667238
467	98547	-63.981.14133	853117.31720250766	39.21764784	-101.029365	325559.465961183	424880.714034963	3176.29442481127	296.2944291490083	2936.1418775155014	2936.1418789283314	50.933027761041414	38.478048755852	38.478048755852
468	98548	-62.721.14133	853117.31720250766	39.217662133549606	-101.0207297	325576.106518759	424876.30372068	3168.8861485905573	297.30632404812	2923.1664452361176	2916.603837372035	52.13786519279433	58.7015466912008	58.7015466912008
469	98549	-62.601.14133	853117.31720250766	39.217666385345466	-101.0184012	325752.55825704284	424872.693021022	3166.376544719964	2974.378176824814	2919.5095746407044	2983.121545165423	54.8686022510069	81.2566272705846	81.2566272705846
470	98550	-61.401.14133	853117.31720250766	39.21767059218666	-101.0160727	325953.60587818467	424868.683055249	3163.8664995141654	2973.476617394723	2915.7629486836655	2969.609826	56.674417850677	103.847350536247	103.847350536247
471	98551	-60.741.14133	853117.31720250766	39.21767054401155	-101.0137441	326154.5633164881	424864.673091437	3161.324810586798	2972.54448580284	2912.771429503364	2985.598997924505	59.7730163843828	96.9454679675783	96.9454679675783
472	98552	-60.081.14133	853117.31720250766	39.217678870918455	-101.0114196	326355.7003211734	424860.6303077	3178.750132	2971.6393481280283	2910.055419953088	2981.71546434948	61.583382151995224	89.9233248	89.9233248
473	98553	-59.421.14133	853117.31720250766	39.21768242618534	-101.009671	326556.3733610766	424850.83704666	3176.17546713815	2969.74444596774	2908.6340741934014	2982.34658369084	64.11037177434173	96.3948621689397	96.3948621689397
474	98554	-58.761.14133	853117.31720250766	39.21768695974139	-101.005758	326757.7941814051	424852.64428238	3153.6007385529	2969.5678697214357	2903.318253	2977.851182535096	65.53961525	92.0068571578514	92.0068571578514
475	98555	-58.101.14133	853117.31720250766	39.21769095168702	-101.00443	326858.8045785404	424848.63004084	3151.2884757554093	2968.974001945084	2909.571307570829	2986.9715053132781	66.99040296267939	101.4133686272734	101.4133686272734
476	98556	-57.441.14133	853117.31720250766	39.2176948865541	-101.0021015	327159.8874	424844.626	3149.238571420206	2968.09973981704	2896.7478657083516	2870.32048958068	71.351574	97.7792501963096	97.7792501963096
477	98557	-56.781.14133	853117.31720250766	39.21769870646556	-100.999773	327360.303702428	424840.617099097	3147.1886611320616	2967.222715489756	2892.848203906284	2889.47928424849	74.74347324130267	107.74347324130267	107.74347324130267
478	98558	-56.121.14133	853117.31720250766	39.217702766046	-100.9974444	327561.9789176754	424836.60840051	3145.138751817588	2966.36439486657	2889.069192803342	2905.271907960575	77.27720204	61.0744868808201	61.0744868808201
479	98559	-55.461.14133	853117.31720250766	39.217706429697074	-100.9951199	327763.0258724028	424832.598881789	3142.513554235943	2965.40717650477	2885.6037411094353	2921.2968773842076	79.7667053394165	53.17719967065939	53.17719967065939
480	98560	-54.801.14133	853117.31720250766	39.21771018675644	-100.9927874	327964.07170481014	424828.591543765	3138.313069	2964.59747654066	2882.3593848834043	2911.827720520477	82.2302871011562	52.7703235347879	52.7703235347879
481	98561	-54.141.14133	853117.31720250766	39.21771638838525	-100.9904689	328165.1173691064	424824.5838642	3136.12256495864	2963.730224895654	2879.576379415016	2907.425598	84.1536865915236	56.3046271942731	56.3046271942731
482	98562	-53.481.14133	853117.31720250766	39.21771756594333	-100.9881303	328366.1629654967	424820.574509751	3132.091296740062	2962.871320870767	2877.41679336345	2897.625177155484	85.4852872352189	65.24604493121842	65.24604493121842
483	98563	-52.821.14133	853117.31720250766	39.21772118807076	-100.9858018	328567.20819417795	424816.561731745	3130.1046190362236	2962.024807260675	2875.61459233402	2891.164681189764	86.40834803266534	70.8599460763046	70.8599460763046
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485	98565	-51.501.14133	853117.31720250766	39.21772829739401	-100.9811447	328969.2983452044	424808.55263987	3125.87603337147	2960.388889567696	2873.867550430896	2888.640115270383	86.64213491160208	71.7478774305735	71.7478774305735
486	98566	-50.841.14133	853117.31720250766	39.2177317545995	-100.9788162	329173.341760599	424804.54360924	3120.761210598761	2959.080383737496	2873.744715402113	2895.63543668807	86.64213491160208	73.652599	73.652599
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488	98568	-49.521.14133	853117.31720250766	39.21773802440859	-100.9741592	329572.4332	424796.51343375	3118.3751057018672	2958.144742	2873.9893734040016	2882.79348331312	84.1552688336561	75.3512509012935	75.3512509012935
489	98569	-48.861.14133	853117.31720250766	39.21774197631259	-100.9718306	329773.4765559437	424792.544371175	3116.1891910993762	2957.4461832164292	2874.254110341874	2881.157623160741	85.2771922943552	76.3042008934736	76.3042008934736
490	98570	-48.201.14133	853117.31720250766	39.2177453398916	-100.9695021	329974.5206146679	424788.51809953	3114.00327827799	2956.80688819673	2874.496351682676	2873.689204398452	83.2132364982519	83.1206442121659	83.1206442121659
491	98571	-47.541.14133	853117.31720250766	39.2177485490789	-100.9671736	330175.5648108934	424784.517148587	3112.6449142718393	2956.1386772350684	2874.8265287097697	2874.729584831373	81.357145298473	81.90413260369542	81.90413260369542
492	98572	-46.881.14133	853117.31720250766	39.21775176323962	-100.964845	330376.6036946076	424780.505581871	3112.114099971459	2955.572065604573	2874.9959722448817	2880.66772337346	80.8222345999144	74.9114342672692	74.9114342672692
493	98573	-46.221.14133	853117.31720250766	39.2177549829397	-100.9625168	330577.652023731	424776.49985873	3110.5829567073	2954.60075291022	2873.78138858813	2879.856913872089	77.6669513872089	76.6669513872089	76.6669513872089
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495	98575	-44.901.14133	853117.31720250766	39.21776151	-100.9576594	330979.7391304623	424768.48150417	3111.08474213027	2953.838673325895	2873.33788652676	2865.77629589545	75.5058640462776	86.0623724203506	86.0623724203506
496	98576	-44.241.14133	853117.31720250766	39.217764182792486	-100.9555309	331180.7822991963	424764.84270285	3110.842239319086	2953.724052242133	2881.911053252756	2864.89926739496	71.631312989374	88.3743498	88.3743498
497	98577	-43.581.14133	853117.31720250766	39.21776715732785	-100.9532024	331381.8253015552	424760.477	3112.756633710515	2952.716008739523	2882.32209825555	2873.095448339673	75.3939104839673	79.6203319988485	79.6203319988485
498	98578	-42.921.14133	853117.31720250766	39.21777012270474	-100.9508738	331582.8681392593	424756.472	3112.87110334115	2952.762808556207	2893.9141111045493	2890.1899656777373	82.24629480177	81.9729487488342	81.9729487488342
499	98579	-42.261.14133	853117.31720250766	39.217773702519479	-100.9489453	331763.9101253486	424752.467144177	3113.371388425968	2951.613149739865	2892.169861525918	2890.195281588087	84.45218821394701	81.4719887	81.4719887
500	98580	-41.601.14133	853117.31720250766	39.21777692962979	-100.9462169	331984.9352158805	424748.467215156	3114.02740251156	2951.065540472562	2892.726158418983	2895.755272339474	87.34035613492	75.3122713317447	75.3122713317447
501	98581	-40.941.14133	853117.31720250766	39.2177787	-100.9438882	332185.9566621916	424744.43816984	3115.894127777805	2950.5220037232225	2890.5200485845175	2963.751208159453	89.99367868046	84.1679556	84.1679556
502	98582	-40.281.14133	853117.31720250766	39.217781462801895	-100.9415957	332387.0374778336	424740.453902723	3116.984249388273	2949.9791155719467	2853.84614623911	2883.52420704293	91.3236934	96.4548348654386	96.4548348654386
503	98583	-39.621.14133	853117.31720250766	39.21778418323214	-100.9392312	332588.0796536636	424736.46918254	3117.25877449684	2949.4359525134	2852.74403374634	2852.365734486291	96.691891	97.0701830506314	97.0701830506314
504	98584	-38.961.14133	853117.31720250766	39.21778682685335	-100.9369026	332798.12181960954	424732.341642755	3116.71703909214	2948.891448143636	2854.599654693376	2854.357447598808	95.43169722	95.43169722	95.43169722
505	98585	-38.301.14133	853117.31720250766	39.21778945910916	-100.9345741	332990.163	424728.41479076	3116.176631693124	2948.35872698315	2857.1591793758584	2857.1591793758584	91.181031899405	97.0701830506314	97.0701830506314
506	98586	-37.641.14133	853117.31720250766	39.2177923525906	-100.9322456	333191.250358409	424718.43471751	3115.635602901808	2947.764125271255	2859.352140918115	2886.26088300401	87.7579218187163	91.181031899405	91.181031899405
507	98587	-36.981.14133	853117.31720250766	39.2177952962979	-100.9297885	333393.2859661546	424714.43081039	3115.646192773133	2					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLog.ft	SatHtBoth.ft		
591	ix	68671	14858.8586773035	853117.1370250766	39.17847864	-100.7343199	505279.1610781665	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
592	ix	68672	15118.8586773035	853117.1370250766	39.17846360118585	-100.7319184	50480.1853545911	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
593	ix	68673	15378.8586773035	853117.1370250766	39.17845034710484	-100.7296629	50481.2174854471	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
594	ix	68674	20438.8586773035	853117.1370250766	39.1784366434676	-100.7273343	50582.25447711727	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
595	ix	68675	21098.8586773035	853117.1370250766	39.178424889453	-100.7250508	50583.2733136117	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
596	ix	68676	21758.8586773035	853117.1370250766	39.1784079	-100.7226772	51284.301055373	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
597	ix	68677	22038.8586773035	853117.1370250766	39.17838333575	-100.7203487	51485.386530962	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
598	ix	68678	23078.8586773035	853117.1370250766	39.1783733707284	-100.7180202	51586.3589149923	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
599	ix	68679	23738.8586773035	853117.1370250766	39.17836137810484	-100.7156816	51687.3632389456	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
600	ix	68680	24398.8586773035	853117.1370250766	39.17834405770708	-100.7133631	52088.0143556401	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
601	ix	68681	25058.8586773035	853117.1370250766	39.1783281235386	-100.7110346	52289.433373879	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
602	ix	68682	25718.8586773035	853117.1370250766	39.178310621588	-100.708706	52490.4641675514	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
603	ix	68683	26378.8586773035	853117.1370250766	39.178293098627	-100.706375	52691.49085268	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
604	ix	68684	27038.8586773035	853117.1370250766	39.178274868365	-100.704049	52892.5174060396	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
605	ix	68685	27698.8586773035	853117.1370250766	39.178252170914	-100.701704	53093.54381101348	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
606	ix	68686	28358.8586773035	853117.1370250766	39.178231716043	-100.699319	53294.570735017	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
607	ix	68687	29018.8586773035	853117.1370250766	39.178217565204	-100.697033	53495.5961936714	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
608	ix	68688	29678.8586773035	853117.1370250766	39.1781975646227	-100.6947348	53696.6217172876	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
609	ix	68689	30338.8586773035	853117.1370250766	39.1781771142501	-100.6924063	53897.648087556	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
610	ix	68690	30998.8586773035	853117.1370250766	39.17815621142056	-100.6900777	54098.673702182	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
611	ix	68691	31658.8586773035	853117.1370250766	39.1781348641807	-100.6877492	54299.699226651	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
612	ix	68692	32318.8586773035	853117.1370250766	39.178113064387	-100.6854207	54500.7266591054	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
613	ix	68693	32978.8586773035	853117.1370250766	39.178091214111	-100.6830921	54701.748837478	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
614	ix	68694	33638.8586773035	853117.1370250766	39.1780691157666	-100.6807636	54902.7750571445	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
615	ix	68695	34298.8586773035	853117.1370250766	39.178046146574	-100.6784351	55103.8005613784	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
616	ix	68696	34958.8586773035	853117.1370250766	39.178023679507	-100.6761065	55304.248904543	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
617	ix	68697	35618.8586773035	853117.1370250766	39.1779973193814	-100.673778	55505.846128986	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
618	ix	68698	36278.8586773035	853117.1370250766	39.1779728103724	-100.6714495	55706.8741810791	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
619	ix	68699	36938.8586773035	853117.1370250766	39.17794729187	-100.669129	55907.90683625	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
620	ix	68700	37598.8586773035	853117.1370250766	39.17792247924	-100.6668054	56109.02890546	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
621	ix	68701	38258.8586773035	853117.1370250766	39.1778996	-100.6644639	56309.3407426094	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
622	ix	68702	38918.8586773035	853117.1370250766	39.1778730291978	-100.662135	56510.9705722036	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
623	ix	68703	39578.8586773035	853117.1370250766	39.177845827024	-100.6598068	56711.994821394	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
624	ix	68704	40238.8586773035	853117.1370250766	39.177816387127	-100.6574783	56913.0186620914	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
625	ix	68705	40898.8586773035	853117.1370250766	39.1777887389491	-100.6551497	57114.042253506	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
626	ix	68706	41558.8586773035	853117.1370250766	39.177760244111	-100.6528212	57315.057086214	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
627	ix	68707	42218.8586773035	853117.1370250766	39.177732096094	-100.6504927	57516.0892054046	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
628	ix	68708	42878.8586773035	853117.1370250766	39.177703100138	-100.6481641	57717.112204276	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
629	ix	68709	43538.8586773035	853117.1370250766	39.1776736515426	-100.6458356	57918.1352451689	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
630	ix	68710	44198.8586773035	853117.1370250766	39.177643758509	-100.6435071	58119.158248348	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
631	ix	68711	44858.8586773035	853117.1370250766	39.177613413098	-100.641178	58320.1801434204	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
632	ix	68712	45518.8586773035	853117.1370250766	39.177582617916	-100.638895	58521.2034310604	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
633	ix	68713	46178.8586773035	853117.1370250766	39.1775519672446	-100.636618	58722.2384189262	4342384.787227367	2982.9450069977897	2857.8326144952716	2782.59964245327	2788.663161427873	27.52765042949464	69.16898932548432
634	ix	68714	46838.8586773035	853117.1370250766	39.177526793176	-100.6343929</								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEVLogsKrg.ft	BREIEVLogsKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
717	93	68797	101618.85687307335	853117.3170250766	39.1273321126296	-100.4409258	375607.6475034047	3414883.692	2764.2407206552793	363.7875820833573	2608.959919554746	2609.025822682138	44.7427662581111	44.36175940121939
718	93	68798	102278.85687307335	853117.3170250766	39.127325163721746	-100.4389373	375808.659996346	3418179.72653362	2607.98406354346	2652.25276802954	2607.799682711153	2607.964751710306	44.260501671918064	44.36175940121939
719	93	68799	102938.85687307335	853117.3170250766	39.1273148713370966	-100.436688	376009.673738537	3418179.72653362	2607.98406354346	2652.25276802954	2607.799682711153	2607.964751710306	44.260501671918064	44.36175940121939
720	93	68800	103598.85687307335	853117.3170250766	39.12731113370966	-100.4340043	376210.68193016265	341817.796237269	2607.68390077276	2649.865364411624	2607.799682711153	2607.964751710306	44.260501671918064	44.36175940121939
721	93	68801	104258.85687307335	853117.3170250766	39.12730405123888	-100.4316118	376411.69316748163	3418167.831197135	2607.564054326743	2648.706024056249	2605.180473517441	2605.9976064612263	43.5256053880815	43.10863599026385
722	93	68802	104918.85687307335	853117.3170250766	39.12729692379156	-100.4292833	376612.7042601156	3418163.86633597	2607.419632897545	2604.535170818804	2604.9077604612263	2605.9976064612263	43.5256053880815	43.10863599026385
723	93	68803	105578.85687307335	853117.3170250766	39.12728975136773	-100.4269548	376813.715285964	341815901652643	2607.27884004130207	2646.3257958332343	2604.2713778891147	2604.604680163846	42.0541684113961	41.68511091598744
724	93	68804	106238.85687307335	853117.3170250766	39.1272825396741	-100.4246263	377014.7261547187	3418155593148265	2606.142266	2604.6224075544765	2605.244687203645	2605.9976064612263	43.5256053880815	43.10863599026385
725	93	68805	106898.85687307335	853117.3170250766	39.1272752195966	-100.4222878	377215.7365934414	341815219822261	2605.01316126861	2604.7072472259767	2605.244687203645	2605.9976064612263	43.5256053880815	43.10863599026385
726	93	68806	107558.85687307335	853117.3170250766	39.1272684279437	-100.4199633	377416.7476	341814800852717	2749.219425583216	2642.700434537952	2604.992717165394	2605.44516828893	37.7041577	37.055876204148696
727	93	68807	108218.85687307335	853117.3170250766	39.12726051197804	-100.4176408	377617.75810404844	341814404706525	2745.2075684173	2641.4821163202873	2605.089039695616	2605.86089828463	36.3037653422574	35.62147391824404
728	93	68808	108878.85687307335	853117.3170250766	39.12725314601726	-100.4153213	377818.7685141603	341814061903675	2740.567151198035	2640.2601479584728	2605.053967221764	2605.8287567576354	35.20614923629637	34.43139120173737
729	93	68809	109538.85687307335	853117.3170250766	39.1272457231924	-100.4129838	378019.778609186	341813671307448	2735.8635451978434	2639.034552209747	2604.5843245617457	2605.34732889465	44.293176122986	33.68681932
730	93	68810	110198.85687307335	853117.3170250766	39.1272382056036	-100.4106553	378220.7886252617	3418132153871649	2731.1599393710796	2637.80539210796	2604.130780888741	2604.34192508341	33.76829823205236	33.4154241254543
731	93	68811	110858.85687307335	853117.3170250766	39.1272307	-100.4083268	378421.799	3418128819071067	2725.950527758718	2636.5727088447486	2603.086374671458	2602.44871252434	34.4862817060093	34.12598163229313
732	93	68812	111518.85687307335	853117.3170250766	39.12722317561347	-100.4059983	378622.80893121	3418124127300194	2720.235309179384	2635.33605382354	2598.96519130894	2599.917086	35.41068201954649	35.41068201954649
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734	93	68814	112838.85687307335	853117.3170250766	39.1272078626114	-100.4013413	379024.8251755316	341811961924309	2708.8048728407457	2632.82840211177	2590.878596076513	2592.19962464239	39.94947941625663	37.79051306
735	93	68815	113498.85687307335	853117.3170250766	39.12720074120514	-100.3990128	379225.8381104834	341811733021364	2705.381716711038	2631.555680197855	2586.254015330744	2587.626407608267	45.3006386904145	43.9292725914255
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737	93	68817	114818.85687307335	853117.3170250766	39.127184614910316	-100.3943558	379627.8568487786	341811044387785	2703.1677307991845	2628.975904075258	2578.435122273985	2579.63074673655	50.53997178404097	49.29506641
738	93	68818	115478.85687307335	853117.3170250766	39.1271767679409	-100.3920274	379826.8691952504	3418100453	2702.055917618246	2627.66751038441	2576.9300534714686	2577.333377068593	50.53997178404097	49.29506641
739	93	68819	116138.85687307335	853117.3170250766	39.1271688413242	-100.3896944	379999.5785251853	341796480100822	2701.94295292981	2626.480501440483	2575.84899133079627	2576.9300534714686	50.53997178404097	49.29506641
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1	94	68821	-370941.1413	853777.3170250766	39.12517433601763	-102.1081051	231644.2212498386	341790712444319	4053.585862309522	3836.860210045328	3758.3225401619683	3758.402164150675	79.5854021458579	78.5376210382149
2	94	68822	-370281.1413	853777.3170250766	39.1251995904368	-102.105777	231845.3707088143	341966.616024133	4048.358905707671	3835.36372890962	3757.627165239467	3756.020338832427	77.73601136701518	79.3920027071956
3	94	68823	-369621.1413	853777.3170250766	39.1262480000533	-102.1034488	232046.51990184817	341966.616024133	4044.6370707678277	3833.858187385308	3755.816208240453	3753.952084112237	79.3920027071956	79.3920027071956
4	94	68824	-368961.1413	853777.3170250766	39.1264996455158	-102.1011207	232247.6688289091	341958.425470957	4042.418062107807	3832.343603170174	3754.218330857368	3751.9975446474997	78.1250294596449	80.3458164251766
5	94	68825	-368301.1413	853777.3170250766	39.1267588413242	-102.098726	232488.81749827717	341948.6318018192	4040.199653356548	3830.948935320863	3753.8452681336874	3753.8452681336874	80.3458164251766	80.3458164251766
6	94	68826	-367641.1413	853777.3170250766	39.127001587749	-102.096444	232705.9848815898	341939.7350073779	4037.980044970643	3829.2630156778	3749.23932165778	3747.81632165778	81.4781632165778	81.4781632165778
7	94	68827	-366981.1413	853777.3170250766	39.12722518839674	-102.0941362	232851.1401676148	341946.14	4035.96862	3827.737781395525	3748.03139370601	3745.478851071734	79.7063874242823	81.75890337773085
8	94	68828	-366321.1413	853777.3170250766	39.127250173081936	-102.0918081	233052.2618822788	341942.045421338	4034.16296870763	3826.180975888285	3745.3138025573703	3743.922196271637	80.78671733245815	82.25808757124791
9	94	68829	-365661.1413	853777.3170250766	39.12727511280058	-102.0894799	233253.0488294644	341937.95068973	4032.357954402783	3824.042129875835	3742.740229461825	3741.654733618895	81.8727481170136	82.95821391694562
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11	94	68831	-364341.1413	853777.3170250766	39.12728485734091	-102.0848236	233655.7038904745	341929.762003168	4028.70202662324	3821.438367109613	3739.7397615	3738.76632321451	84.1764279047756	84.1764279047756
12	94	68832	-363681.1413	853777.3170250766	39.1272896215247	-102.082454	233856.556817584	341925.68	4026.79819716541	3819.82378154549	3738.62052222	3738.154371438937	84.88328115336357	84.88328115336357
13	94	68833	-363021.1413	853777.3170250766	39.12729744201282	-102.0801673	234057.9072409838	341921.57400704	4024.895349035038	3818.214249189225	3738.63858304366	3733.368974126658	84.57758428848592	84.8434879226578
14	94	68834	-362361.1413	853777.3170250766	39.12729913690813	-102.0778391	234259.14352074362	341917.481	4022.9918903465	3816.578407327834	3731.365972917124	3731.059596383	84.51479304	85.38056437100113
15	94	68835	-361701.1413	853777.3170250766	39.12729328683213	-102.075511	234460.28953612427	341913.387432524	4021.04796767167	3814.830564921933	3729.504219644027	3729.140717586247	84.263575753047	85.79037337668632
16	94	68836	-361041.1413	853777.3170250766	39.12729483179018	-102.0731828	234661.4352884067	341909.294171471	4018.0768439534535	3813.2865372696233	3727.47516629772	3727.224045366006	85.79037337668632	86.0449192
17	94	68837	-360381.1413	853777.3170250766	39.12729730178227	-102.0708546	234862.8077573027	341905.20194738	4015.4287299154665	3811.5922049145665	3725.811545848966	3725.811545848966	86.1060950160997	86.1060950160997
18	94	68838	-359721.1413	853777.3170250766	39.127297546819213	-102.068205	235063.7260035987	341901.18202316	4012.780611647126	3809.966991159813	3723.687370360657	3723.687370360657	86.1060950160997	86.1060950160997
19	94	68839	-359061.1413	853777.3170250766	39.127297546819213	-102.065971	235264.816667454	341897.14819198	4010.780611647126	3807.966991159813	3721.687370360657	3721.687370360657	86.1060950160997	86.1060950160997
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	LatHt.f	SurfHt.f
104	98	68923	-308621.1413	853777.3170250766	39.12491886646331	-101.8706266	25216.1002525626	434553.8852915398	3798.35806709835	3647.327166540922	3635.49901683787	3618.9093592061754	11.873491703535091	28.462807347446685
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104	98	68925	-302901.1413	853777.3170250766	39.12489696905789	-101.8659701	252892.173273034	434545.731417325	3801.633470787393	3642.263212343514	3640.666732485937	3648.446478698232	0	73.99586573
106	98	68926	-301641.1413	853777.3170250766	39.12490853690186	-101.8636418	252763.50021152748	434541.654642411	3803.772037966913	3639.327198716364	3640.332454003394	3636.322601544371	0	3.04959717199335
107	98	68927	-300981.1413	853777.3170250766	39.1250106977512	-101.8613135	252964.62280494152	434535.758126796	3803.9874090777585	3636.6617448037504	3619.6435371546168	3605.959578431497	17.012062692133612	30.70216652250642
108	98	68928	-300321.1413	853777.3170250766	39.12502155767854	-101.8589852	253165.25449490084	434533.7501794887	3803.77896109047	3636.93315599387	3599.0113744522323	3586.95284867409	34.92214117415496	46.98035073197798
109	98	68929	-299661.1413	853777.3170250766	39.1251042	-101.8566569	253366.8673496168	434529.452646666	3803.57170144123	3631.1909679310706	3584.6754027155004	3577.35713013935307	55.854515622155622	53.83395399576693
110	98	68930	-299001.1413	853777.3170250766	39.12506239857555	-101.8543268	253767.9893006775	434525.349682138	3803.381595077305	3628.438311	3574.4044776925006	3565.84574839093	54.03339491274356	62.56259245
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112	98	68932	-297681.1413	853777.3170250766	39.12510305952636	-101.849672	253770.232310895	434517.198304116	3801.444320212597	3622.58533703393	3553.05762518106	3571.173459898076	86.669105152689	85.8172423458529
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115	98	68935	-295671.1413	853777.3170250766	39.12516371384273	-101.842687	254573.595175477	434504.972614569	3799.993631490156	3614.820011238407	3514.9616340430975	3537.9572592720014	99.85837719630945	76.86271596740562
116	98	68936	-295041.1413	853777.3170250766	39.12518384198579	-101.8403587	254774.715620369	434500.897752021	3794.13474936739	3612.3572395045284	3501.196888816252	3552.1120789311785	111.16043708827647	60.2452469734382
117	98	68937	-294381.1413	853777.3170250766	39.12520395156883	-101.8380304	254975.83992346436	434498.3903710905	3791.2789358607	3610.703272777097	3491.141579482135	3520.4097598715766	119.165947429817589	89.90671674055244
118	98	68938	-293721.1413	853777.3170250766	39.12522396371194	-101.8357121	255176.9538851274	434492.74857815	3788.416936429903	3608.77398363511	3498.5650177737452	3501.2007784874336	122.2089760276564	107.572153490776
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122	98	68942	-291081.1413	853777.3170250766	39.12530366647824	-101.826388	255981.4330327765	434476.46252	3775.87791891583	3604.3677935132932	3475.3157020323174	3508.566490469675	129.05209131007587	95.81109946633569
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124	98	68944	-289761.1413	853777.3170250766	39.125343525	-101.8217322	256363.670653426	434468.305	3771.3525859701	3602.40786802431	3474.705506648324	3501.933969171262	122.69542919541048	96.56274749231665
125	98	68945	-289101.1413	853777.3170250766	39.125363611619065	-101.8194339	256584.7888317695	434462.250017	3769.484967876837	3601.3529579478837	3474.6163939478837	3512.16383939478837	122.69542919541048	96.56274749231665
126	98	68946	-288441.1413	853777.3170250766	39.12538320505829	-101.8170756	256765.908553049	434460.159233583	3767.4349167087153	3600.50895429939	3485.485918	3491.8290919257645	115.023036489991	114.105687363474
127	98	68947	-287781.1413	853777.3170250766	39.12540228326983	-101.8147472	256987.02464615705	434458.0820658	3765.3563710873	3599.5824048397253	3485.7360874097176	3457.92878886166	113.8433173000773	141.6281853090917
128	98	68948	-287121.1413	853777.3170250766	39.125421872024926	-101.8124189	257188.1421925574	434452.013713245	3763.154239	3598.66880190956	3484.040512520473	3546.08510772613	114.6228924962722	142.2604972464237
129	98	68949	-286461.1413	853777.3170250766	39.1254411555228	-101.8100906	257389.2594897108	434447.9412454575	3760.95398497466	3597.7672127297468	3480.744451488536	3468.2646593182236	112.72578541112	129.2505734096444
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132	98	68952	-284481.1413	853777.3170250766	39.125499776309564	-101.8031056	257969.7097774388	434434.724919479	3755.1305499079	3593.1305499079	3473.1305499079	3473.1305499079	121.7638745942118	121.7638745942118
133	98	68953	-283821.1413	853777.3170250766	39.12551913995428	-101.8007773	258193.7263249628	434431.65177855	3751.195963438986	3594.2668398572	3474.29703337456	3474.57511753577	119.9717066376668	119.6815122499525
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135	98	68955	-282501.1413	853777.3170250766	39.12555772333035	-101.7961206	258595.9583019472	434425.10245161	3745.09168639748	3592.550954299786	3480.4015402395153	3481.6423827401686	112.14941406027128	110.9057155961794
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138	98	68958	-280521.1413	853777.3170250766	39.125616152636124	-101.7891356	259199.204763458	434411.29722402	3734.7030301727768	3590.80047742905	3500.688171302621	3520.543439114727	90.3216758170957	69.3957076325671
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141	98	68961	-278541.1413	853777.3170250766	39.1256724013535	-101.7821506	259802.6485079869	434399.085851014	3727.77869315369	3587.130656128631	3514.591765773474	3550.12056386199	75.5422903551705	37.01549226234163
142	98	68962	-277881.1413	853777.3170250766	39.12569138906072	-101.7798223	259976.7270960137	434395.016	3727.101074246906	3586.1357903427274	3510.44909594952	3567.938087477525	73.7308074777525	30.31800540481135
143	98	68963	-277221.1413	853777.3170250766	39.1257103299487	-101.7774839	260024.8767383872	434390.94854088	3725.6456989746238	3592.6970746238	3502.984145164403	3558.828995051813	64.10239430922631	26.25749741057325
144	98	68964	-276561.1413	853777.3170250766	39.125739171957975	-101.7751696	260245.994009101	434386.76130803	3723.92430714555	3581.565351	3502.6925709175117	3532.183569466968	93.3502892695466	56.8422079379237
145	98	68965	-275901.1413	853777.3170250766	39.12575852240372	-101.7728522	260459.22467891	434382.9098961	3722.09246161818	3580.72904461818	3512.03625346734	3531.523887833446	93.3502892695466	56.8422079379237
146	98	68966	-275241.1413	853777.3170250766	39.12577677497074	-101.7705089	260688.21741430656	434378.73234527	3720.94031742955	3581.565351	3502.6925709175117	3532.183569466968	93.3502892695466	56.8422079379237
147	98	68967	-274581.1413	853777.3170250766	39.12579550919426	-101.7681805	260909.303161513	434374.680610232	3715.4752719232403	3				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRtElevKgr.ft	BRtElevBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
229	94	69049	-220461.1413	853777.3170250766	39.21716866047327	-101.572523	277499.812	3440401.619402988	3560.569749471466	3421.7026679771353	3449.4754825888484	3469.937077414222	0	0
230	94	69050	-219801.1413	853777.3170250766	39.21716366176795	-101.5749238	27701.9063820061	3440307.45803177	3598.441030164572	3419.895744183212	3443.239662425193	3468.194164334043	0	0
231	94	69051	-215181.1413	853777.3170250766	39.21716661812863	-101.5725964	27782.0020034634	3440033.15139175	3598.412246566193	3419.895720839185	3445.52362286559	3466.321633876543	0	0
232	94	69052	-218481.1413	853777.3170250766	39.21721352949256	-101.5740268	27817.039195617	3440259.45803194	3597.453040636696	3416.271762820831	3449.6570181770076	3464.870183239484	0	0
233	94	69053	-217821.1413	853777.3170250766	39.2172283598787	-101.5673835	278304.1783956673	3440025.404606624	3596.5545608031944	3414.4529957687787	3450.7471773990887	3462.169915420166	0	0
234	94	69054	-217161.1413	853777.3170250766	39.217243173306404	-101.5656101	278505.2806814387	3440241.351364556	3595.6251706200226	3412.628034783435	3452.35305523832	3459.8173946981983	0	0
235	94	69055	-216501.1413	853777.3170250766	39.21725798375079	-101.5632816	278706.37358451076	3440017.298305277	3594.1470666204914	3410.7950950908466	3454.026648683977	3457.30792615135	0	0
236	94	69056	-215841.1413	853777.3170250766	39.2172727252108	-101.5609332	278907.466392794	3440413.24542879	3592.1186090950413	3408.927991640157	3446.313232929015	3460.6541610481135	0	0
237	94	69057	-215181.1413	853777.3170250766	39.21726741171721	-101.5596247	279108.558939479	3440094.192735081	3598.0891158911871	3407.106226156688	3446.4336545726143	3460.3106654885245	0	0
238	94	69058	-214521.1413	853777.3170250766	39.2173020532914	-101.5552963	279309.651284722	3440055.140224142	3598.061894728215	3405.2573702655205	3440.733675311239	3456.972365551523	0	0
239	94	69059	-213861.1413	853777.3170250766	39.21731664978685	-101.5536878	279510.734158097	34400108.1	3588.175588911035	3403.406666104259	3436.569235179277	3453.900145557583	0	0
240	94	69060	-213201.1413	853777.3170250766	39.21732013136033	-101.5516394	279711.8352941056	343997.053705556	3584.431830503352	3401.551537620272	3432.651282379359	3449.152619517696	0	0
241	94	69061	-212541.1413	853777.3170250766	39.21734570795624	-101.549311	279912.92702573247	343992.983787889	3582.680872095688	3399.691469	3429.0261339938445	3445.28500797938445	0	0
242	94	69062	-211881.1413	853777.3170250766	39.21736016958442	-101.5469825	280114.018504890	343988.932007965	3580.944313687963	3397.826133265564	3425.94233515676	3441.44279613325	0	0
243	94	69063	-211221.1413	853777.3170250766	39.21737458623499	-101.5446641	280315.1097673609	343984.880410775	3578.8539504461963	3395.9551757367876	3422.7730840475647	3437.3309655134335	0	0
244	94	69064	-210561.1413	853777.3170250766	39.21738895791121	-101.5423256	280516.2008130759	343980.82896316	3579.4466825503045	3394.077407435551	3420.58431333843	3433.477975457011	0	0
245	94	69065	-209901.1413	853777.3170250766	39.21740328462018	-101.5399972	280717.2917422918	343976.77762563	3579.029514094411	3392.19084070375106	3417.880983482329	3429.645124180302	0	0
246	94	69066	-209241.1413	853777.3170250766	39.21741756634758	-101.5376687	280918.3825529367	343972.726713534	3578.61234593818	3390.294537454404	3416.7975914281747	3425.8235649268286	0	0
247	94	69067	-208581.1413	853777.3170250766	39.217431803100546	-101.5353402	281119.472522474	343968.67847211	3577.475030474848	3388.387106849707	3414.1574275526805	3422.0044891595005	0	0
248	94	69068	-207921.1413	853777.3170250766	39.21744594987905	-101.5330118	281320.5623033564	343964.625163586	3575.617568512237	3386.471046795819	3411.6068770836033	3418.1766449954283	0	0
249	94	69069	-207261.1413	853777.3170250766	39.21746014168307	-101.5306833	281521.652988258	343960.574662562	3573.760106280916	3384.5542930671104	3409.083021396386	3410.468132645828764	0	0
250	94	69070	-206601.1413	853777.3170250766	39.21747424351256	-101.5283549	281722.4243518614	343956.524440005	3571.90264047993	3382.605115366445	3406.598163530405	3401.46881336051335	0	0
251	94	69071	-205941.1413	853777.3170250766	39.21748849378755	-101.526082	281928.63869205	343952.47403682	3569.943698269566	3380.4189711583812	3403.590768751	3400.598163530405	0	0
252	94	69072	-205281.1413	853777.3170250766	39.2175032124782	-101.523698	282124.9215034505	343948.44255919	3569.35174657109	3378.69832722498	3401.313373505293	3400.598163530405	0	0
253	94	69073	-204621.1413	853777.3170250766	39.21751627915371	-101.5213695	282326.010608411	343944.374485671	3568.270320720944	3376.72230740994	3398.702945179993	3399.20623009557455	0	0
254	94	69074	-203961.1413	853777.3170250766	39.2175302	-101.5190411	282527.0994987639	343940.325	3567.1885808678986	3374.731675351241	3395.841054449215	3395.847707347954	0	0
255	94	69075	-203301.1413	853777.3170250766	39.2175450478041435	-101.5167126	282728.1882	343936.275489314	3565.836205	3372.726740755213	3392.773222118713	3394.753452690641	0	0
256	94	69076	-202641.1413	853777.3170250766	39.21755971002326	-101.5143841	282929.276634394	343932.226270038	3564.2118057571482	3370.706956048966	3389.2425807013315	3394.753452690641	0	0
257	94	69077	-201981.1413	853777.3170250766	39.21757616073042	-101.5120657	283130.3645841772	343928.177231146	3562.871540405086	3368.6721540405086	3387.492997326967	3396.482997326967	0	0
258	94	69078	-201321.1413	853777.3170250766	39.21759259439265	-101.5097272	283341.4529	343924.173547093	3560.963350024305	3366.623637396475	3386.4317020136978	3393.7058170578784	0	0
259	94	69079	-200661.1413	853777.3170250766	39.21759913612051	-101.5073988	283532.5047347336	343920.076996564	3558.9623980911456	3364.561563838308	3383.543817800406	3380.828378408287	0	0
260	94	69080	-200001.1413	853777.3170250766	39.21761278820341	-101.5050703	283733.6283454333	343916.031207827	3556.5846834064014	3362.4865690759884	3381.0955706252803	3378.4006389316603	0	0
261	94	69081	-199341.1413	853777.3170250766	39.21762639531147	-101.5027418	283934.7157	343911.982989596	3554.2069687216567	3360.3994661392453	3379.396239805205	3376.07739380363	0	0
262	94	69082	-198681.1413	853777.3170250766	39.21763995744474	-101.5004134	284135.802205009	343907.934771963	3551.829254036912	3358.3012098834256	3376.501370663919	3375.033695251084	0	0
263	94	69083	-198021.1413	853777.3170250766	39.217653474503148	-101.4980468	284336.8898989753	343903.88627917	3548.6911214559793	3356.192848885165	3373.548893395833	3370.393695251084	0	0
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265	94	69085	-196701.1413	853777.3170250766	39.2176830739528	-101.493428	284738.603187051	343896.791	3542.394470551339	3354.8608019535	3368.785666462845	3364.4812319230926	0	0
266	94	69086	-196041.1413	853777.3170250766	39.21769375622895	-101.4910995	284940.1945176544	343897.744091216	3539.09100024617	3349.803765323725	3362.9147284298915	3360.64354728508	0	0
267	94	69087	-195381.1413	853777.3170250766	39.2177070834768	-101.488771	285141.2356366562	343887.697	3535.58579057871	3347.6502443708546	3358.5370895360134	3356.31603414303	0	0
268	94	69088	-194721.1413	853777.3170250766	39.217727039	-101.4864425	285342.3215439074	343883.64964209	3531.8635076015007	3345.487122545276	3354.130114693803	3351.490149749828	0	0
269	94	69089	-194061.1413	853777.3170250766	39.2177333308012	-101.4841141	285543.4027397081	343879.60929752	3528.1412361451294	3343.3162332110946	3349.482777724815	3346.504816699105	0	0
270	94	69090	-193401.1413	853777.3170250766	39.21774485341604	-101.481789	285744.49372411014	343875.5653317	3524.819694887979	3341.1391601783243	3345.94734536594	3342.360730009064	0	0
271	94	69091	-192741.1413	853777.3170250766	39.21775637724747	-101.479543	285945.7839810713	343871.7947331	3523.8749673391071	3339.189137331	3343.9912505426	3340.510305426	0	0
272	94	69092	-192081.1413	853777.3170250766	39.21777105115805	-101.4771287	286146.46315638	343867.45346638	3521.844022	3336.7742209943784	3342.201310562601	3341.931093850208	0	0
273	94	69093	-191421.1413	853777.3170250766	39.21778617256449	-101.4748002	286347.7479113622	343863.417428042	3520.6981487145684	3334.590310543884	3343.663703092957	3337.40746712139	0	0
274	94	69094	-190761.1413	853777.3170250766	39.21779919	-101.4724717	286548.8325547737	343859.374914919	3504.5542758061664	3332.4076212907144	3347.85594092266	3337.722587262106	0	0
275	94	69095	-190101.1413	853777.3170250766	39.2178121745596	-101.4701432	286749.916832829	343855.325738353	3500.180764555035	3330.225830254235	3349.4317175680617	3338.4248960166	0	0
276	94	69096	-189441.1413	853777.3170250766	39.21782510403893	-101.4678147	286951.1002	343851.280167246	3496.57796905796	3328.048621868057	3349.590479460273	3337.5337983778346	0	0
277	94	69097	-188781.1413	853777.3170250766	39.217837920446704	-101.465468	287152.0867176883	343847.425	3495.974573465553	3325.87277870867	3346.267776887753	3337.367999416285	0	0
278	94	69098	-188121.1413	853777.3170250766	39.2178505247924	-101.4631578	287359.1601958395	343843.18952469	3489.371465977015	3323.705544987560				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	Atch3LogKrg.ft	SatBBothKrg.ft	
354	94	69175	-137301.1413	853777.3170250766	39.21870445754862	-101.283627	320828.0083958759	4343532.256063879	3356.569697793425	3124.9893176976334	3168.526107277013	3171.1721763469493	34.46321042062027	43.81713935
356	94	69176	-136641.1413	853777.3170250766	39.218713981961075	-101.2813541	303037.0746722489	4343528.250662744	3356.394455	3124.16989737041894	3165.236876651221	3164.7590373010044	48.5299907269627	44.1949743314899
357	94	69177	-136281.1413	853777.3170250766	39.21872327140069	-101.282654	304444.546071964	4343524.194252473	3356.218840690161	3124.16989737041894	3165.236876651221	3164.7590373010044	51.35732695033365	44.1949743314899
358	94	69178	-135231.1413	853777.3170250766	39.21873515843204	-101.276771	303439.21204468474	4343513.163915658	3356.043260077354	3121.581796330131	3159.1727005305435	3168.727006872129648	49.6007025129648	44.85478942856571
359	94	69179	-134661.1413	853777.3170250766	39.21874171530895	-101.2745485	303640.27964115835	4343516.13316815	3350.80748675620303	3121.8153007189375	3157.4081595283924	3154.2328147209714	54.40714119008606	47.389707676274165
360	94	69180	-134001.1413	853777.3170250766	39.21875086977745	-101.27222	303841.3468	4343512.102899308	3347.512232826457	3121.0658432437506	3155.747532429369	3151.76532429369	50.047050978374544	46.3199683475444
361	94	69181	-133341.1413	853777.3170250766	39.2187599390957	-101.2689914	304042.0413955673	4343508.027819138	3340.2166089030617	3120.332777050607	3154.2328147209714	3157.947978683065	50.6998624808925	52.3577947667014
362	94	69182	-132681.1413	853777.3170250766	39.2187690434439	-101.2676293	304243.4804740552	4343504.02906394	3342.942989739477	3120.914638791767	3152.7146626041996	3151.47595758035	54.4668801920252	46.4668801920252
363	94	69183	-132021.1413	853777.3170250766	39.21877965340254	-101.265254	304444.546071964	4343501.91352878	3338.041197185562	3120.914638791767	3152.7146626041996	3151.47595758035	56.800245235772	56.800245235772
364	94	69184	-131361.1413	853777.3170250766	39.21878703963105	-101.262958	304655.5141326645	4343506.38340774	3335.578688714596	3120.221256409573	3148.490503188114	3149.19230213458	59.7406521644535	59.7406521644535
365	94	69185	-130701.1413	853777.3170250766	39.21879595758692	-101.260573	304846.6804764706	4343504.95280676	3333.115666701379	3120.54269651630774	3145.718715005444	3146.069526358897	61.47294366225296	61.47294366225296
366	94	69186	-130041.1413	853777.3170250766	39.21880485221371	-101.258248	305047.7466	4343487.925102378	3330.6526634324054	3120.872344533768	3142.945923176877	3142.926647404727	63.92642135602166	63.94569706325298
367	94	69187	-129381.1413	853777.3170250766	39.21881369186343	-101.2559202	305248.8125861057	4343483.896	3329.7516181500365	3120.267246305566	3140.2292992960244	3139.822756295382	66.384701018321	66.384701018321
368	94	69188	-128721.1413	853777.3170250766	39.2188224665306	-101.2539197	305494.87835394335	4343479.886791144	3320.412530542646	3120.54192668588	3137.5827846424545	3137.191100810715	67.9591420434353	68.4222858
369	94	69189	-128061.1413	853777.3170250766	39.21883126623162	-101.2512631	305650.9439037343	4343475.867991298	3317.0374293028	3134.991589792229	3134.584215423881	3139.678091152578	70.31996834636581	70.31996834636581
370	94	69190	-127401.1413	853777.3170250766	39.21883949055007	-101.248834	305852.0093166847	4343471.81207103	3311.734355	3140.173809371816	3132.414809331628	3132.06708577357	71.7591716	72.1068913582466
371	94	69191	-126741.1413	853777.3170250766	39.21884860081395	-101.246806	306053.07451199763	4343467.781937591	3311.796025105957	3140.445145047935	3129.875812050579	3129.633838789925	73.9602725241446	73.9602725241446
372	94	69192	-126081.1413	853777.3170250766	39.218857215455586	-101.2442775	306254.1395168797	4343463.754	3311.258452008585	3140.262770772761	3127.3734516995244	3126.910060363795	75.2930363753896	75.2930363753896
373	94	69193	-125421.1413	853777.3170250766	39.21886578524259	-101.241949	306455.204315336	4343459.725943991	3310.7208790036675	3140.8035249678537	3124.887601691263	3124.5931414349047	76.9158648	77.1273835329489
374	94	69194	-124761.1413	853777.3170250766	39.2188741305666	-101.2396204	306656.260561173	4343456.692217797	3310.1835680933558	3140.2292992960244	3122.473678600487665	3122.3678600487665	78.260252292162	78.260252292162
375	94	69195	-124101.1413	853777.3170250766	39.2188827988932	-101.2372919	306857.334909333	4343451.67065336	3309.71943597799	3140.427182550149	3120.804599057006	3120.7925610417589	79.5139264009823	79.5139264009823
376	94	69196	-123441.1413	853777.3170250766	39.21889122474476	-101.2349633	307058.397371382	4343447.643314935	3309.315025	3139.481483782944	3118.899754182536	3118.01692650131	79.525431119046	80.3834607913051
377	94	69197	-122781.1413	853777.3170250766	39.2190045910535	-101.232366	308673.2774464528	4343441.67065336	3308.912422868494	3138.309404119897	3118.899754182536	3118.01692650131	81.712734751847	81.712734751847
378	94	69198	-122121.1413	853777.3170250766	39.21890759523205	-101.230302	307460.5258552937	4343439.59183236	3308.21569890507	3135.20407039362	3117.02454839313	3114.72994402029	81.7396211	80.4706267393037
379	94	69199	-121461.1413	853777.3170250766	39.21891625944765	-101.2279777	307661.589831273	4343435.56223007	3308.2092277867278	3132.264077027761	3116.1974826476623	3112.359133227438	87.06228438	80.9013428032035
380	94	69200	-120801.1413	853777.3170250766	39.21892451	-101.2256491	307862.5528243924	4343431.53686866	3307.995502428557	3131.212096516556	3115.411533459564	3111.45518681401	75.7096761916915	79.6662037
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382	94	69202	-119481.1413	853777.3170250766	39.21894089	-101.220992	308264.7326968444	4343423.48269816	3313.5693957149124	3131.866416761155	3113.5128801	3112.0123335881783	74.2335664472448	74.3503331337884
383	94	69203	-118821.1413	853777.3170250766	39.218949098964	-101.218638	308465.618478787	4343421.67065336	3312.9422868494	3131.866416761155	3113.5128801	3112.0123335881783	74.3503331337884	74.3503331337884
384	94	69204	-118161.1413	853777.3170250766	39.21895740409574	-101.216349	308669.419	4343415.431	3312.047712520105	3131.866416761155	3113.5128801	3112.0123335881783	74.3503331337884	74.3503331337884
385	94	69205	-117501.1413	853777.3170250766	39.218965114466734	-101.2140064	308867.9674	4343411.405240414	3315.770161179317	3131.866416761155	3113.5128801	3112.0123335881783	74.3503331337884	74.3503331337884
386	94	69206	-116841.1413	853777.3170250766	39.21897309954259	-101.2116778	309069.0290459225	4343407.37900041	3317.4930583653274	3135.736295314527	3108.964394461337	3109.57816249836	76.398591358178	76.1578072533107
387	94	69207	-116181.1413	853777.3170250766	39.21898103965436	-101.2093493	309270.0919775858	4343403.35437369	3317.706205105937	3132.7964255964316	3107.0922129915593	3107.0922129915593	76.47989759965035	76.47989759965035
388	94	69208	-115521.1413	853777.3170250766	39.218988934782125	-101.2070227	309491.1539634251	4343399.32156087	3319.391371701048	3130.174096529236	3105.6664112310586	3107.869143709374	76.5012682329876	76.5012682329876
389	94	69209	-114861.1413	853777.3170250766	39.21899647645345	-101.2048922	309732.715262712	4343395.30415789	3320.085398210562	3131.667271755222	3104.254834	3105.4469478043	76.5012682329876	76.5012682329876
390	94	69210	-114201.1413	853777.3170250766	39.2190045910535	-101.202366	309873.2774464528	4343391.279	3320.912422868494	3131.866416761155	3113.5128801	3112.0123335881783	74.3503331337884	74.3503331337884
391	94	69211	-113541.1413	853777.3170250766	39.21901235033087	-101.2000351	310074.3388007267	4343387.25407615	3320.0196652037435	3131.7229941705522	3110.625128604162	3103.704219397825	80.0978621	77.98889110771834
392	94	69212	-112881.1413	853777.3170250766	39.21902006551884	-101.1977065	310275.400334654	4343383.230250224	3320.0196652037435	3131.7229941705522	3110.625128604162	3103.704219397825	80.0978621	77.98889110771834
393	94	69213	-112221.1413	853777.3170250766	39.21902774	-101.195378	310476.461092491	4343379.205977518	3320.0196652037435	3131.7229941705522	3110.625128604162	3103.704219397825	80.0978621	77.98889110771834
394	94	69214	-111561.1413	853777.3170250766	39.21903536102248	-101.1930494	310677.5219591718	4343375.181886391	3320.0196652037435	3131.7229941705522	3110.625128604162	3103.704219397825	80.0978621	77.98889110771834
395	94	69215	-110901.1413	853777.3170250766	39.21904294130806	-101.1907209	310878.5826412126	4343371.19798783	3321.31812911510545	3130.480481394466	3109.3037314552764	3108.964394461337	76.5012682329876	76.5012682329876
396	94	69216	-110241.1413	853777.3170250766	39.21905047661612	-101.188352	311079.634713719876	4343367.31424858	3321.31812911510545	3130.480481394466	3109.3037314552764	3108.964394461337	76.5012682329876	76.5012682329876
397	94	69217	-109581.1413	853777.3170250766	39.21905826949667	-101.186029	311287.6514318982	4343363.27326854	3321.31812911510545	3130.480481394466	3109.3037314552764	3108.964394461337	76.5012682329876	76.5012682329876
398	94	69218	-108921.1413	853777.3170250766	39.21906541229969	-101.1837352	311481.763374457	4343359.07337506	3321.31812911510545	3130.480481394466	3109.3037314552764	3108.964394461337	76.5012682329876	76.5012682329876
399	94	69219	-108261.1413	853777.3170250766	39.21907281267514	-101.181406	311682.8235141181	4343355						

ix	iy	x	Y.r	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BRIEVEKrg.f	BRIEVEBothKrg.f	SatThKLo.f	SatThBoth.f	
481	94	69301	-54141.14133	853777.3170250766	39.19256586388993	-00.9904636	328169.1291514272	4343025.780126897	31.8712671977732	2675.33018541945	2877.6558541407353	2903.4200158133401	67.06716440120967	59.12926040584377
482	94	69302	-53481.14133	853777.3170250766	39.19163025088786	-00.9988135	328710.1744594221	4343021.771883211	31.8712489136471	2875.448919429693	2894.874367	29.06823533062061	67.0709805	
483	94	69303	-52821.14133	853777.3170250766	39.19076531974044	-00.9869484	328821.21669771896	4342971.764020389	31.8712691182194	2875.436819136249	2888.969841622034	28.75163201888917	67.07237272791531	
484	94	69304	-52161.14133	853777.3170250766	39.19035745034855	-00.9834778	328722.2675257296	4343013.75623416	31.8759250010578	2960.925670216577	2873.03983367895	28.965087053076	67.07491361620077	
485	94	69305	-51501.14133	853777.3170250766	39.1915408	-00.9811493	328973.30937804334	4343009.748632784	31.8664413139243	2960.149296	2872.6156099369486	28.841567639480172	67.53278904208128	75.99252303107116
486	94	69306	-50841.14133	853777.3170250766	39.1914544689541	-00.97788207	329174.35016146891	4343005.741216088	31.87434003138026	2959.3974418075095	2872.3528094172816	28.812349815997104	67.04463239022799	78.16246020777909
487	94	69307	-50181.14133	853777.3170250766	39.19154917220116	-00.97464821	329375.39848050487	4343001.733977518	31.872118777	2958.6700627243013	2872.4544117965324	28.785252984170883	68.21565092776882	80.14481290721596
488	94	69308	-49521.14133	853777.3170250766	39.1915513095285	-00.9741613	329576.44279247323	4342997.726818866	31.87198264829167	2957.9685991215866	2874.7475794282154	28.767058647323355	85.2138209	81.8903498920317
489	94	69309	-48861.14133	853777.3170250766	39.191556461877725	-00.9735436	329777.46968313758	4342983.720041924	31.8718465522269642	2957.29533177685814	2873.9794729660193	28.7543681912163658	85.0267907928159	
490	94	69310	-48201.14133	853777.3170250766	39.19155797	-00.9696093	329785.530935361	4342980.713343983	31.871035631061	2956.6491819701111	2873.3837372503327	28.74047817780189	83.26058187647783	81.84401255923242
491	94	69311	-47541.14133	853777.3170250766	39.191561231639474	-00.9671777	329815.4747096491	4342985.706827355	31.871680592704672	2956.023680940605	2873.4484823547733	28.731294062035	78.382563342973	
492	94	69312	-46881.14133	853777.3170250766	39.19156440595283	-00.9648491	330380.618348951	4342981.7	31.87157269215823	2955.4187162323175	2873.18674312768	28.783792991453053	82.2314201004343	71.625275801701846
493	94	69313	-46221.14133	853777.3170250766	39.19156762	-00.9625205	330581.6618	4342977.694337583	31.871435658156965	2954.8275103969336	2872.6593652678135	28.800147078129277	82.1681543	74.01280254800544
494	94	69314	-45561.14133	853777.3170250766	39.19157074894006	-00.9610192	330782.70513366355	4342973.68836367	31.871491087098116	2954.2489647413176	2872.5044151029724	28.78963815568004	81.74459403034521	74.595148584737224
495	94	69315	-44901.14133	853777.3170250766	39.191573851421954	-00.9578584	330983.74827758905	4342969.68570509	31.871510627	2953.880745534185	2873.681899244252	28.73624025944258	77.95671609279232	
496	94	69316	-44211.14133	853777.3170250766	39.1915768692131	-00.9555348	331184.7912547864	4342965.07698103	31.87103497837524	2953.2103324710705	2876.991297316276	28.8692341434602053	78.12903515479456	83.89189
497	94	69317	-43581.14133	853777.3170250766	39.19157986144214	-00.9536202	331385.8340763016	4342961.61526439	31.871693320911746	2952.561734334685	2881.5832619029793	28.74406352164697	70.8929123504892	78.1598426877138
498	94	69318	-42921.14133	853777.3170250766	39.191582089644	-00.9508776	331586.8771979835	4342957.66	31.87148368114786	2952.01634426354	2884.4265420636404	28.833426373906402	70.8909222704044	68.5837645730301
499	94	69319	-42261.14133	853777.3170250766	39.191585711548234	-00.948549	331787.919204969	4342953.661	31.87138975410130843	2951.469881000568	2880.6148868012796	28.8057675425467	71.3853941928838	68.41911355
500	94	69320	-41601.14133	853777.3170250766	39.19158856913464	-00.9462204	331988.9615252051	4342949.655182626	31.87150090890599	2950.925796255605	2880.61957733189183	28.87246398366974	81.3062152893216	78.4294089585646
501	94	69321	-40941.14133	853777.3170250766	39.19159138714039	-00.9438918	332190.036825933	4342945.65107057	31.8716204275179325	2950.3839331672304	2857.487262407407	28.857485162762407	80.59576699201862	92.5387370966549
502	94	69322	-40281.14133	853777.3170250766	39.19159414936917	-00.9415632	332398.335191114	4342941.64707696	31.87170426156467	2949.542730260694	2858.77953635416	28.86176489908897	97.06978436972177	97.6662404177961
503	94	69323	-39621.14133	853777.3170250766	39.19159612801928	-00.9392819	332597.516925977	4342937.60274075	31.8718522349671	2948.5842146753874	2858.842146753874	28.879195430393	98.0763037829287	
504	94	69324	-38961.14133	853777.3170250766	39.19159954969301	-00.9369061	332793.1220790052	4342933.63562928	31.871276190213227	2948.75486857954	2855.218029403483	28.85565503314632	93.05693313257	93.10054153162535
505	94	69325	-38301.14133	853777.3170250766	39.1916021832877	-00.9345775	332994.1707770786	4342929.63476193	31.871670171167205	2948.2505139405534	2857.2547420048384	28.84556553435887	93.96071793	90.2504958996182
506	94	69326	-37641.14133	853777.3170250766	39.1916047009667	-00.9322489	333195.211253627	4342925.63711569	31.8719653491257	2947.6512064380127	2859.66080888434	28.86025659971097	79.9913733957683	87.390466691548
507	94	69327	-36981.14133	853777.3170250766	39.1916073128301	-00.9299203	333396.250259624	4342921.627146886	31.8719705726887	2947.026127210955	2861.5509650469303	28.8621958895296	85.1647647161523	84.9000138119398
508	94	69328	-36321.14133	853777.3170250766	39.1916098105876	-00.9278917	333597.2943050229	4342917.63270853	31.871949955028181	2946.530949758316	2863.716943810845	28.8641076898047	82.3136509474131	82.39012717736912
509	94	69329	-35661.14133	853777.3170250766	39.1916126336636	-00.9258193	333798.335191114	4342913.62074061	31.871965430393	2945.967311526246	2864.03473027274	28.86816899489422	82.8287476232917	
510	94	69330	-35001.14133	853777.3170250766	39.19161467116651	-00.9235435	333999.37597410323	4342909.67356711	31.871569971052687	2945.401384651169	2860.0952532118993	28.8471929172525	71.51715934	77.557571328613
511	94	69331	-34341.14133	853777.3170250766	39.191617033867525	-00.9206059	334200.416374989	4342905.61454587	31.8714634758445	2944.832734577525	2870.451092132167	28.8691336553754	74.3816753645375	75.0107902399818
512	94	69332	-33681.14133	853777.3170250766	39.19161935182991	-00.9182773	334401.4567119494	4342901.61733079	31.8713983089797	2944.2515194207133	2872.2215830340538	28.8716471381422	70.039638665952	72.646784968334
513	94	69333	-33021.14133	853777.3170250766	39.19162164693715	-00.9159487	334602.496544854	4342897.609192182	31.871268601970504	2943.687664298373	2873.957690366797	28.87347445666105	69.7297393315784	70.21318863
514	94	69334	-32361.14133	853777.3170250766	39.191623852578906	-00.9136201	334803.5368914684	4342893.06883188	31.87121365030421	2943.131396158231	2875.90567064933	28.87540624474384	67.2057251	67.6869973
515	94	69335	-31701.14133	853777.3170250766	39.19162605548551	-00.9112915	335004.5789	4342889.604682188	31.87117576724986	2942.533118154115	2877.5663125756523	28.87100328176127	64.9688053592524	65.43278994
516	94	69336	-31041.14133	853777.3170250766	39.19162836190781	-00.908963	335205.616925977	4342887.60274075	31.8718522349671	2941.85242349671	2868.04678363663	28.879195430393	62.986258322176	63.240281125804
517	94	69337	-30381.14133	853777.3170250766	39.19163026362585	-00.9066344	335411.96565150129	4342881.608084355	31.8713767573973	2940.73767573973	2868.05526567872	28.79280106730970	61.63320408952518	61.55337024024672
518	94	69338	-29721.14133	853777.3170250766	39.19163231	-00.9043305	335607.695529711	4342877.59196566	31.871125162810474	2940.7490534112754	2860.58224574985	28.8004525728825	60.2358283629024	60.393470683591
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520	94	69340	-28401.14133	853777.3170250766	39.19163627353922	-00.8996486	336009.7782711955	4342869.596462302	31.87156188641704	2939.634741001592	2879.46920556798	28.8002463709811	60.16735343593954	
521	94	69341	-27741.14133	853777.3170250766	39.1916383188374084	-00.89732	336210.8128	4342865.953695898	31.87140864025841	2939.605012432666	2878.5367660178954	28.80235322537118	60.17163604642895	
522	94	69342	-27081.14133	853777.3170250766	39.1916405664303	-00.8949414	336411.8510516093	4342861.59442531	31.87119674343558	2938.4446801753	2877.2597079247325	28.8074528802033	61.2267606770209	61.4110427152279
523	94	69343	-26421.14133	853777.3170250766	39.1916427950781	-00.8926699	336613.9290519843	4342857.00714061	31.8719828040307	2938.06785848938	2868.04678363663	28.879195430393	62.986258322176	
524	94	69344	-25761.14133	853777.3170250766	39.191643657605845	-00.8903422	336813.9283037816	4342853.59160228	31.871000295246256	2937.34470196455	2867.946641205551	28.7647561570226	62.975469890573	62.57870049123039
525	94	69345	-25101.14133	853777.3170250766	39.191645390727166	-00.8880056	337014.9668750673	4342849.59278008	31.87132714977913	2936.737897090627	2874.11129450732	28.8039395068734	62.6628576403041	62.8699920222887
526	94	69346	-24441.14133	853777.3170250766	39.191647081656	-00.8								

ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BREIveBothKrg.f	BREIveBothKrg.f	SatThLogs.f	SatThBots.f
607	94	69427	18091.8586770335	853777.3170250766	39.21963444411347	-100.6970608	35349.58420265635	4342522.17566558	2949.500654883561	2278.7893511758257	2780.8783835045992	46.7313435739766	45.642311246624104
608	94	69428	18092.7856770335	853777.3170250766	39.219632400440289	-100.694322	35370.0160933598	43426.1815014528	2942.500646104671	2278.8052735570447	2780.854004227277	48.1195427628738	48.1195471739411
609	94	69429	18093.6886770335	853777.3170250766	39.2196338991137	-100.692436	35381.6352163446	43427.443038491	2945.386816722689	2822.4082734041037	2781.198035484993	50.113893462397	49.280300194406
610	94	69430	18094.5886770335	853777.3170250766	39.2196320084566	-100.690075	35402.16124920699	43428.10.219841641	2944.33254566377	2820.45692155686	2780.937601713457	50.737900941222838	49.60989316637536
611	94	69431	18095.8686770335	853777.3170250766	39.219626173799405	-100.6877464	35430.38661488756	43429.253469566	2942.3448072761186	2820.460415555577	2768.0916492807646	50.3742127479318	49.1493839257321
612	94	69432	18096.8686770335	853777.3170250766	39.21962396374356	-100.6854178	35450.47118392184	43425.2025	2942.425367125832	2816.456913341634	2767.0323965600433	50.76845167819014	48.404973145332425
613	94	69433	18097.8686770335	853777.3170250766	39.21962176877068	-100.6838092	35470.73622462736	43430.263731711	2942.505927254673	2814.4522777472777	2767.105331818943	47.3499548283342	46.88284141
614	94	69434	18098.8686770335	853777.3170250766	39.21961949878844	-100.6807607	35490.6176166436	43434.28426379411	2942.586487246763	2812.460984891207	2768.282848128596	44.17813636	44.2838461799275
615	94	69435	18099.8686770335	853777.3170250766	39.21961716382575	-100.6784231	35507.786254071	43430.8923722859	2948.485473422682	2822.4082734041037	2769.96196257277	50.66610650752534	41.4028738946108
616	94	69436	18100.8686770335	853777.3170250766	39.2196142838807	-100.676103	35538.08132177729	43436.13254535	2942.203696214577	2771.2535555301	2767.98141028213	50.5121859659373	40.5121859659373
617	94	69437	18101.8686770335	853777.3170250766	39.219612418970044	-100.673749	35550.938584874216	43432.29234419395	2942.01649627396	2806.351322179913	2771.506383299922	50.64227413260836	42.3077819376795
618	94	69438	18102.8686770335	853777.3170250766	39.21960969073396	-100.6714463	35571.0260295639	43427.483818056	2941.639602581259	2804.581501112134	2769.978225457946	50.60327566319754	46.543747110447384
619	94	69439	18103.8686770335	853777.3170250766	39.21960741793816	-100.6691177	35591.18840717121	43434.362378059	2941.161683172005	2802.64826053291	2766.9147012703484	53.7268313497734	49.87340365803816
620	94	69440	18104.8686770335	853777.3170250766	39.2196043443439	-100.6667891	35612.10086	43430.479109404	2940.48793047201	2801.34741711454	2763.303550305031	57.49593646043484	47.4099236691079
621	94	69441	18105.8686770335	853777.3170250766	39.21960235	-100.664405	35633.9325340873	43436.46639624615	2938.814105232576	2786.7967382615884	2760.891917	57.1631360766411	57.30482154
622	94	69442	18106.8686770335	853777.3170250766	39.219599710710108	-100.6621319	35651.43956361014	43442.462143	2938.140311669357	2786.890745857647	2768.492304205281	57.762347650933786	58.3892164314837
623	94	69443	18107.8686770335	853777.3170250766	39.21959704491156	-100.6598033	35671.5198	43445.843940472	2937.33082111625	2794.966444124134	2768.138054820758	57.1974986931124	58.85838959165536
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625	94	69445	18109.8686770335	853777.3170250766	39.219591506396935	-100.6551462	35711.8206991589	43440.454824818	2938.12812928064	2791.251595717205	2751.964091843947	57.6246481608096	58.494518653810294
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627	94	69447	18111.8686770335	853777.3170250766	39.2195858969860	-100.650489	35752.07338911916	43442.4610128883	2927.243024822287	2787.5804989895	2748.713664013404	58.66680527555109	58.734765309274223
628	94	69448	18112.8686770335	853777.3170250766	39.2195829625686	-100.648104	35782.1936305978	43438.519461678	2927.85116033566	2785.78503413207	2747.752605536165	57.8120486507085	58.0264239
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630	94	69450	18114.8686770335	853777.3170250766	39.21957706	-100.643502	35812.142050482	43430.55634137	2923.06713471214	2782.245621723287	2745.8164317110623	57.48369574029577	58.34582792521036
631	94	69451	18115.8686770335	853777.3170250766	39.2195740736649	-100.6411746	35832.16462262676	43426.570556766	2926.68242859113	2780.5143219371	2746.558468131565	56.92930440370755	58.335696677874585
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633	94	69453	18117.8686770335	853777.3170250766	39.21956782319531	-100.6365174	35876.20937544876	43418.61301794	2925.995217889504	2777.1154276058187	2739.6496028207353	57.447548552	56.474108971914443
634	94	69454	18118.8686770335	853777.3170250766	39.219564563619174	-100.634188	358927.2315426284	43424.6163268177	2924.64470540003	2775.436918096385	2737.671227793303	57.06688050212647	57.3727336333565
635	94	69455	18119.8686770335	853777.3170250766	39.21956143811013	-100.6318683	359126.25357449816	43418.61301794	2923.79851788568	2786.9384568	2748.678474743	57.9280812208202	58.18145813144855
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637	94	69457	18121.8686770335	853777.3170250766	39.21955487511099	-100.6272031	35953.2927280524	43420.6190692	2921.3021893592	2782.34556732095	2732.359923033566	57.051760143033943	58.1645336455356
638	94	69458	18122.8686770335	853777.3170250766	39.21955152564368	-100.6248745	35973.3188507795	43421.71065289	2919.8480644428	2768.910321337504	2730.991162407859	57.4516758939168	57.9160772589129
639	94	69459	18123.8686770335	853777.3170250766	39.21954813119793	-100.6225459	35993.2403374585	43423.394731	2916.1684540238666	2765.3058641741495	2738.685449376398	57.42141617322216	58.76204147975014
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641	94	69461	18125.8686770335	853777.3170250766	39.2195412073701	-100.617828	36034.3620526055	43426.77248239	2908.371952539475	2764.1178216928	2727.7369588387	57.3438134032689	58.4536281387392
642	94	69462	18126.8686770335	853777.3170250766	39.2195376	-100.615601	36055.403961302	43424.587734916	2904.734173730978	2762.4701915177959	2727.07096962125	57.3249813132564	58.3018211165779
643	94	69463	18127.8686770335	853777.3170250766	39.2195341	-100.613326	36076.2642831025	43426.77248239	2902.45920500505	2760.940404580577	2727.620214813666	57.3124812537033	58.3258428372103
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648	94	69468	18132.8686770335	853777.3170250766	39.21951555715977	-100.6015896	36170.5175449997	43426.77248239	2880.50506684114	2753.304252073653	2734.348613068117	57.32328340169388	58.1685659605361
649	94	69469	18133.8686770335	853777.3170250766	39.2195117422586	-100.600018	36191.56469164	43428.142487123	2878.452487123	2752.452487123	2733.452487123	57.3249813132564	58.3018211165779
650	94	69470	18134.8686770335	853777.3170250766	39.21950782319531	-100.5985135	36213.5677272296	43426.77248239	2875.65418941892	2749.86652299838	2731.51068439359	57.345918037528	58.34582792521036
651	94	69471	18135.8686770335	853777.3170250766	39.219503895304	-100.5964029	36234.5876665823	43423.366877	2870.58606050863	2748.381837214745	2731.246940581834	57.317087105218	57.08123466329107
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654	94	69474	18138.8686770335	853777.3170250766	39.21949181709959	-100.5876171	362947.6464901	43423.366877	2861.69262192386	2743.730905204716			

ix	iy	x	Yt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BR ElevLogsKrg	BR ElevBothKrg	SatHtLogsKrg	SatHtBoth		
73	94	69553	11278.85687307335	853777	3170250766	38.19020822561703	-100.40366	378827.783800757	4324021.425487324	270.13038646725982	303.791970993306	2596.848291899186	2596.88698412931	37.8567999412025	36.8132730087527
734	94	69554	112838.85687307335	853777	3170250766	39.1902058258759	-100.401331	379028.7920295907	4324077.462641464	270.2207591427133	303.791970993306	2599.41523007899235	2599.41523007899235	40.02166758618818	40.01982398521304
735	94	69555	113498.85687307335	853777	3170250766	39.1901284925117	-100.398029	379269.8206269696	4324033.6996858781	270.14980405810268	303.791970993306	2595.3489480454503	2595.3489480454503	40.3309191922517	40.330264685695739
736	94	69556	114185.85687307335	853777	3170250766	39.190058860735	-100.396174	379430.8116003854	4324009.537057933	270.2157770791423	303.791970993306	2579.646796110174	2580.845170575823	40.2337702127805	40.0361916166993
737	94	69557	114185.85687307335	853777	3170250766	38.1899729	-100.3943548	379631.8207754705	4324005.575202885	270.2817411064487	303.791970993306	2575.5284324180475	2576.5941283287696	40.592973202507676	41.99393148378557
738	94	69558	115478.85687307335	853777	3170250766	38.18989439047014	-100.3920172	379832.828350462	4324011.0308062	270.27480435167895	303.791970993306	2572.726999	2572.726999	40.530972025	40.530972025
739	94	69559	116138.85687307335	853777	3170250766	38.18989154800734	-100.389687	380033.838779326	4324019.651137076	270.26367816289935	303.791970993306	2568.8205112685632	2569.840190275400815	41.0849800570282	41.0849800570282
740	94	69560	116758.85687307335	853777	3170250766	38.1897360957708	-100.3873601	380234.2436194207	4324193.6991489	270.2749519026938	303.791970993306	2567.546603255107	2568.327471823017	41.0849800570282	41.0849800570282
1	95	69561	370941.1413	854347	3170250766	39.148694534361	-102.1681736	378264.9201682226	4345172.912113988	303.791970993306	303.791970993306	2578.97963098771533	2578.97963098771533	42.0251811629991	42.0251811629991
2	95	69562	370281.1413	854347	3170250766	39.1441210046185	-102.1058094	378149.4738351317	4345167.81001949	303.791970993306	303.791970993306	2575.766839145383	2575.766839145383	42.317179220539	42.317179220539
3	95	69563	369621.1413	854347	3170250766	39.1443371061373	-102.1034812	378265.6228622842	4345163.820109195	303.791970993306	303.791970993306	2573.919911410944	2573.919911410944	42.617460727460728	42.617460727460728
4	95	69564	368961.1413	854347	3170250766	39.1446245779912	-102.101153	378271.7751474183	4345159.723479365	303.791970993306	303.791970993306	2572.910854128875	2572.910854128875	42.857053085221	42.857053085221
5	95	69565	368301.1413	854347	3170250766	39.1444876	-102.0988248	378282.9200409512	4345156.62808546	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
6	95	69566	367641.1413	854347	3170250766	39.1451267127009	-102.096496	378265.06824499118	4345151.433437475	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
7	95	69567	366981.1413	854347	3170250766	39.1454537155562	-102.094184	378265.2163875908	4345145.43643523	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
8	95	69568	366321.1413	854347	3170250766	39.1456286987445	-102.0918401	378265.36385145194	4345143.343287878	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
9	95	69569	365661.1413	854347	3170250766	39.14587276722651	-102.0895119	378265.5112662876	4345139.284456793	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
10	95	69570	365001.1413	854347	3170250766	39.1461252261181	-102.0871837	378265.6584104565	4345135.153830275	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
11	95	69571	364341.1413	854347	3170250766	39.1463737	-102.0848555	378265.80529017583	4345131.05938304	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
12	95	69572	363681.1413	854347	3170250766	39.1466217848172	-102.0825273	378265.9519056467	4345126.965130883	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
13	95	69573	363021.1413	854347	3170250766	39.1468733966363	-102.0801991	378266.09825770448	4345122.871058006	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
14	95	69574	362621.1413	854347	3170250766	39.1471165	-102.0777808	378266.2431666532	4345118.77169659	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
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16	95	69576	361601.1413	854347	3170250766	39.14760955017936	-102.0732144	378266.5371951543	4345110.58994543	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
17	95	69577	360381.1413	854347	3170250766	39.1478553124284	-102.0708862	378266.684012646136	4345106.496811759	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
18	95	69578	359721.1413	854347	3170250766	39.148100668347	-102.0685579	378266.8306705448	4345102.40461485	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
19	95	69579	359061.1413	854347	3170250766	39.1483457556541	-102.0662297	378266.9782323466	4345108.10349578	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
20	95	69580	358401.1413	854347	3170250766	39.14859	-102.0639105	378267.1154311903	4345094.21774429	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
21	95	69581	357741.1413	854347	3170250766	39.1488430407475	-102.0615733	378267.2596758566	4345088.15117635	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
22	95	69582	357081.1413	854347	3170250766	39.1490775980747	-102.059249	378267.4051931801	4345082.031948123	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
23	95	69583	356421.1413	854347	3170250766	39.14932076020094	-102.0569168	378267.55429414755	4345081.34047488	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
24	95	69584	355761.1413	854347	3170250766	39.1495633645235	-102.0545885	378267.69075454754	4345077.84843117	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
25	95	69585	355101.1413	854347	3170250766	39.1498056	-102.0522603	378267.8363593518	4345073.75657208	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
26	95	69586	354441.1413	854347	3170250766	39.1500473235301	-102.0499321	378267.9816971195	4345069.644000754	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
27	95	69587	353781.1413	854347	3170250766	39.1502898419552	-102.0476388	378268.1156479654	4345065.53704175	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
28	95	69588	353121.1413	854347	3170250766	39.1505309179782	-102.045376	378268.2596758566	4345061.482105181	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
29	95	69589	352461.1413	854347	3170250766	39.1507799119552	-102.042973	378268.4051931801	4345057.39048105	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
30	95	69590	351801.1413	854347	3170250766	39.1510098721712	-102.0406191	378268.55429414755	4345053.30047488	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
31	95	69591	351141.1413	854347	3170250766	39.151248330071	-102.0382908	378268.69075454754	4345049.209303571	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
32	95	69592	350481.1413	854347	3170250766	39.151488440458	-102.0359626	378268.8363593518	4345045.11871627	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
33	95	69593	349821.1413	854347	3170250766	39.1517275040574	-102.0336343	378268.9816971195	4345041.02831707	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
34	95	69594	349161.1413	854347	3170250766	39.1519652170889	-102.0313601	378269.1156479654	4345036.538142651	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
35	95	69595	348501.1413	854347	3170250766	39.1521829197963	-102.029042	378269.2596758566	4345032.4051931801	303.791970993306	303.791970993306	2571.9385519274267	2571.9385519274267	43.0186809403692	43.0186809403692
36	95	69596	347841.1413	854347	3170250766	39.1524402	-102.026496	378269.4051931801	4345028.30047488	303.791970993306	303.791970993306				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevElevKrg.ft	SatThkLogs.ft	SatThkElev.ft
119	95	69679	-293061.1413	854347.3170250766	39.21705653373501	-101.8333994	255382.156519397664	4344869.94490007	3786.803939053697	3660.10337055054998	3484.907558182214	3498.2222880884665	121.198168732458	107.8810869699328
120	95	69680	-292401.1413	854347.3170250766	39.21706456250396	-101.8310711	255583.276504167737	4344685.8701214138	3783.865713739447	3602.86218734234	3477.21189232800292	3488.291873007075	126.4639954520472	116.58718666415893
121	95	69681	-291741.1413	854347.3170250766	39.217072633930824	-101.8281627	255784.396468783346	4344681.766949339	3780.927632621291	3595.352821175846	3487.041159397815	3487.041159397815	134.4422461191657	116.663730745366
122	95	69682	-291081.1413	854347.3170250766	39.21711624512642	-101.8264143	255953.153447790566	4344677.7214137575	3777.982850943999	3602.86234325614	3462.6741125284766	3486.9314138841484	118.38111476915845	116.58111476915845
123	95	69683	-290421.1413	854347.3170250766	39.2171366888046	-101.8240859	256186.6320074605	4344673.64812922	3775.587322229665	3601.6676296071064	3463.1932183345893	3491.238281424855	138.47441127251705	116.402394818225149
124	95	69684	-289761.1413	854347.3170250766	39.21715558278626	-101.8217576	256387.75032576028	4344673.64812922	3773.72112893233	3600.673686232334	3469.087808	3489.6155609129935	131.5855609129935	105.10508604316698
125	95	69685	-289101.1413	854347.3170250766	39.21717555177361	-101.8194292	256588.8684029936	4344665.501	3771.858403545829	3599.703825295598	3474.47148612882	3474.47148612882	125.2318391311613	107.4710398738626
126	95	69686	-288441.1413	854347.3170250766	39.2171953071268	-101.8171008	256789.9862372827	4344661.427788505	3769.9369401561	3598.754345088733	3478.754529813259	3477.76239677667	119.9999925744525	120.99149541106635
127	95	69687	-287781.1413	854347.3170250766	39.21721486480024	-101.8147724	256991.1036332987	4344657.53709125	3768.138016367616	3596.78231734417204	3480.195715647818	3480.195715647818	117.62745178939075	116.8859289786303
128	95	69688	-287121.1413	854347.3170250766	39.217234453675566	-101.8124441	257192.2211903822	4344653.281913949	3766.285353312942	3596.07801055575	3477.915904440303	3485.242557896275	117.1758916212716	114.65524316930736
129	95	69689	-286461.1413	854347.3170250766	39.21725393769935	-101.8101157	257393.3380354233	4344649.209	3764.43489882829	3596.06569272597	3477.8169478521118	3485.7011175194826	118.1886214208503	126.9555175315418
130	95	69690	-285801.1413	854347.3170250766	39.217273409751254	-101.8077873	257594.55451804294	4344645.136573052	3762.58400366296	3595.119019270899	3476.2979687242676	3487.2979687242676	119.75009482592259	118.105054663516
131	95	69691	-285141.1413	854347.3170250766	39.21729295	-101.8054589	257795.5718	4344641.064229115	3760.243773781697	3594.2433312833823	3472.882400060945	3477.58627192331	121.3609312224371	116.657051759487
132	95	69692	-284481.1413	854347.3170250766	39.21731236	-101.8031305	257996.6882111575	4344636.99208453	3757.45136121139902	3593.377064979109	3471.1116684	3476.60749021133	122.2604007429044	116.7095747579739
133	95	69693	-283821.1413	854347.3170250766	39.21733172407559	-101.8008021	258197.9466728927	4344632.901095119	3754.354368811133	3592.5174606698793	3469.924294527065	3473.607	122.2604007429044	118.91046022339914
134	95	69694	-283161.1413	854347.3170250766	39.217351043239795	-101.7984737	258398.9202940267	4344628.94280304	3751.753481639632	3591.6603376541115	3468.2508124403075	3468.2508124403075	123.40052132510392	122.8050245178392
135	95	69695	-282501.1413	854347.3170250766	39.21737037143182	-101.7961453	258600.0359621138	4344624.77668792	3748.242018356658	3590.016997140526	3470.51047482447	3470.51047482447	123.29128225160549	120.1288810164034
136	95	69696	-281841.1413	854347.3170250766	39.21739546652036	-101.793817	258801.15140121654	4344620.70526298	3743.920310063607	3589.3967742043496	3479.5797687966824	3486.7142621264752	110.3570054076672	103.2221264757582
137	95	69697	-281181.1413	854347.3170250766	39.21741873090003	-101.7914886	259002.2666071199	4344616.634020877	3739.6467307166713	3589.01318819105	3487.339816574787	3589.01318819105	121.71500224341789	86.74553182120155
138	95	69698	-280521.1413	854347.3170250766	39.217427870175904	-101.7891062	259203.28156382937	4344612.56262455	3736.370043399613	3588.170706843596	3493.8094432901095	3502.86279425015	141.76213134804841	72.2771343804841
139	95	69699	-279861.1413	854347.3170250766	39.21744666	-101.7868318	259404.49628774927	4344608.49207715	3732.992606130087	3587.259808654464	3499.143621315434	3498.92595910481908	188.11621872410069	61.3037073733915
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141	95	69701	-278541.1413	854347.3170250766	39.2174840361170336	-101.782175	259806.3209289498	4344600.530890498	3731.3847471786543	3585.352821175846	3497.041159397815	3487.041159397815	33.898967827766834	37.873566390073
142	95	69702	-277881.1413	854347.3170250766	39.21750307575732	-101.7798466	260007.830324278	4344596.20565512	3731.583244889676	3584.342341533449	3511.7287507263873	3555.1034858893328	72.61390907126018	29.23869294411639
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145	95	69705	-275901.1413	854347.3170250766	39.21756509	-101.7728614	260611.1796407878	4344584.07096818	3724.792992433139	3580.969687598191	3519.234039741798	3580.969687598191	61.76228017393076	31.498182991021255
146	95	69706	-275241.1413	854347.3170250766	39.21759363516195	-101.770533	260812.29270312743	4344580.01	3722.1710895305	3579.7511765202294	3521.059993699916	3546.652180102925	58.69418112423773	33.09899579938674
147	95	69707	-274581.1413	854347.3170250766	39.21762235096076	-101.7682406	261013.4052891968	4344575.831704179	3718.3847471786543	3578.4287127175683	3523.5798654289646	3537.050629215846	57.13154178954678	30.02441384935628
148	95	69708	-273921.1413	854347.3170250766	39.217641769844357	-101.765972	261214.5118193874	4344571.80479356	3717.354368811133	3577.45136121139902	3523.5798654289646	3537.050629215846	56.354101100345043	33.95718943217189
149	95	69709	-273261.1413	854347.3170250766	39.21765340343934	-101.7635477	261415.6304716798	4344567.73341423	3708.48310294875	3575.54805	3525.014466	3542.996040452979	55.03338201009606	32.55200761194099
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151	95	69711	-271941.1413	854347.3170250766	39.2176752882186	-101.7588099	261817.854707095	4344559.65591491	3700.965396796495	3572.354688216033	3528.7608751807425	3540.670891914962	43.6938130529062	31.68376901667034
152	95	69712	-271281.1413	854347.3170250766	39.2176910794389	-101.7565625	262018.9611663397	4344555.587427996	3700.782824796594	3570.823522433438	3530.628633243636	3539.379396713506	41.27448522882907	30.744542882907
153	95	69713	-270621.1413	854347.3170250766	39.2177095625347	-101.754241	262220.0757264557	4344551.91233857	3700.610128270173	3568.89320993904	3532.367489439246	3538.19528172787	36.9525715538647	30.74452882212223
154	95	69714	-269961.1413	854347.3170250766	39.217728235013879	-101.7519077	262421.18870324426	4344547.451035819	3700.41740085727	3567.004846677297	3533.9482948289646	3537.050629215846	37.13154178954678	30.02441384935628
155	95	69715	-269301.1413	854347.3170250766	39.21774653709444	-101.7495773	262622.2996411341	4344543.83067933	3698.056221770882	3565.2232460870066	3534.6529484375733	3537.050629215846	37.13154178954678	30.02441384935628
156	95	69716	-268641.1413	854347.3170250766	39.21776469	-101.7472489	262823.0103520296	4344539.31313558	3695.444179761281	3563.32552983398	3534.1732166050224	3534.1732166050224	35.15632937853523	28.61699744374095
157	95	69717	-267981.1413	854347.3170250766	39.217782691664356	-101.7449204	263024.52082181384	4344535.247743879	3688.022963652577	3561.40253292882	3532.808279321626	3533.157516154592	34.85985656725947	25.58499773732776
158	95	69718	-267321.1413	854347.3170250766	39.21780211149006	-101.742592	263225.6310591133	4344531.180375749	3684.501692962426	3559.4506824830237	3530.8212091812784	3531.271981405295	28.6294731547293	28.1787017723057
159	95	69719	-266661.1413	854347.3170250766	39.21781941	-101.7402638	263426.7410623256	4344527.11355152	3682.9777460271006	3558.2823791	3528.782474129014	3529.782474129014	29.1940075068258	28.69530461420117
160	95	69720	-266001.1413	854347.3170250766	39.21783756623184	-101.7379332	263627.85093162634	4344523.041347005	3681.759011771120	3555.480518805758	3524.937863	3543.142217471702	35.10591269669696	30.67348305268528
161	95	69721	-265341.1413	854347.3170250766	39.217856113879	-101.735682	263828.6152784779	4344494.821386898	3679.8474792166734	3553.7474984923794	3541.3747984923794	3541.3747984923794	34.85985656725947	25.58499773732776
162	95	69722	-264681.1413	854347.3170250766	39.217873721077256	-101.7333783	264030.097694622	434451.915246518	3677.729324496024	3551.4548057581	3515.2657380415706	3514.6084177901	36.2	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.ft	BR/ElevBothKgs.ft	SatThkLogs.ft	SatThkBoth.ft
245	95	69805	-209901.1413	854343.7172025076	39.19215916602316	-101.5400195	280721.34842362703	3444178.019561099	3582.686944951744	3393.859304258751	3418.794869595298	3430.35104591654	0	0
246	95	69806	-209241.1413	854343.7172025076	39.19230196652302	-101.5373687	280522.4388	3444178.963268896	3582.399226848472	3391.9650954130457	3417.78901369624944	3426.675002198244	0	0
247	95	69807	-208621.1413	854343.7172025076	39.19244430987165	-101.5363468	281123.52953981	3444189.912186917	3581.2702941923476	3378.6284916676268	3398.973679	3398.76518569938	0	0
248	95	69808	-207921.1413	854343.7172025076	39.19256827946175	-101.53303	281324.61034365506	3444165.865321805	3579.3053057655596	3388.23684466114	3412.75110326769	3416.760978821266	0	0
249	95	69809	-207261.1413	854343.7172025076	39.1927277510957	-101.5307015	281525.7088188061	3444161.815609957	3577.33859777641	3386.342372342227	3410.246527968204	3415.48091260099	0	0
250	95	69810	-206601.1413	854343.7172025076	39.1929682779731	-101.528373	281758.7985782505	3444157.765079013	3575.3718897697236	3384.435388212931	3407.7784625881923	3411.4601898910209	0	0
251	95	69811	-205941.1413	854343.7172025076	39.1930934654935	-101.5260445	282138.78877230127	3444153.714731238	3573.771416997106	3382.514430262777	3405.345228427756	3407.6141497294875	0	0
252	95	69812	-205281.1413	854343.7172025076	39.19314949674599	-101.5237159	282128.9786548684	3444149.64566329	3572.5371794597872	3380.57898940818	3402.30843151666	3404.199168097121	0	0
253	95	69813	-204621.1413	854343.7172025076	39.1932985789515	-101.5213674	282350.0657871483	3444145.454584276	3571.302941922469	3378.6284916676268	3398.973679	3398.76518569938	0	0
254	95	69814	-203961.1413	854343.7172025076	39.1934283629111	-101.5190589	282531.154672046	3444141.564785071	3570.067043851503	3376.634028995474	3393.3325248549763	3395.516471040495	0	0
255	95	69815	-203301.1413	854343.7172025076	39.1935671360018	-101.5167304	282732.242652857	3444137.515167711	3568.55918758161982	3374.684818370367	3394.0729928763394	3392.54223023088	0	0
256	95	69816	-202641.1413	854343.7172025076	39.1937054593341	-101.5144019	282933.312243135	3444133.465735183	3566.77598415612	3372.6896473091074	3390.6190559421443	3392.524569225543	0	0
257	95	69817	-201981.1413	854343.7172025076	39.193834333290776	-101.5120734	283134.4192817765	3444129.416	3564.992290115025	3370.679090262599	3388.307336075887	3388.8379037853074	0	0
258	95	69818	-201321.1413	854343.7172025076	39.1939807567229	-101.5097448	283335.50712545274	3444125.367416598	3563.2085159144385	3368.653212384196	3388.118719592137	3386.402483	0	0
259	95	69819	-200661.1413	854343.7172025076	39.19411773077915	-101.5074163	283536.5947555463	3444121.319	3560.811820361130	3366.6125176880037	3385.4151102127057	3383.957363723474	0	0
260	95	69820	-200001.1413	854343.7172025076	39.1942452505707	-101.5050878	283737.6821722633	3444117.26980264	3557.802163455017	3364.55746228005	3383.107852311584	3381.1591560301786	0	0
261	95	69821	-199341.1413	854343.7172025076	39.19439032961375	-101.5027593	283938.7697580743	3444113.221309797	3554.795056489335	3362.4894540652085	3381.5922518421503	3378.664622834076	0	0
262	95	69822	-198681.1413	854343.7172025076	39.1945259543914	-101.5004307	284139.856363466	3444109.172973116	3551.782849642888	3360.4089401724113	3378.734201281498	3376.92336991406	0	0
263	95	69823	-198021.1413	854343.7172025076	39.1946611246094	-101.4981022	284340.9341419955	3444105.12689222	3548.368734741623	3357.31273852917	3376.18572863706	3373.3967915920504	0	0
264	95	69824	-197361.1413	854343.7172025076	39.19479568546688	-101.4957377	284542.0297094562	3444101.078484099	3544.553218655977	3356.214042505649	3373.14534269598	3370.71271368113	0	0
265	95	69825	-196701.1413	854343.7172025076	39.1949301301639	-101.4934452	284743.1166261316	3444097.025997435	3540.736683944281	3354.09692865456	3369.644411391112	3367.056285430455	0	0
266	95	69826	-196041.1413	854343.7172025076	39.19506356535003	-101.4911166	284944.20023201209	3444092.914591479	3536.921049042583	3351.966791740102	3365.613413	3363.014026813128	0	0
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277	95	69837	-188781.1413	854343.7172025076	39.19650536547191	-101.4655028	287156.1358083995	3444048.469852598	3492.0501065164294	3328.133808110672	3352.725478491353	3343.990307783127	0	0
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285	95	69845	-183501.1413	854343.7172025076	39.1975211900171	-101.4468745	288764.7988421574	3444016.116622025	3465.0513495419273	3311.151027948871	3314.1283111115604	3301.995050507317	0	0
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288	95	69848	-181521.1413	854343.7172025076	39.1978943321891	-101.4398888	289360.830413637	3444003.9352059	3455.033753482184	3305.013381289314	3302.846183290337	3303.2447710434655	0	0
289	95	69849	-180861.1413	854343.7172025076	39.19801781335995	-101.4375603	289569.125458907	3443999.368478645	3464.874687178173	3303.005043060876	3299.76202933051	3304.122283	0	0
290	95	69850	-180201.1413	854343.7172025076	39.1981408447641	-101.4352318	289770.2065700239	3443995.893726247	3465.206600742164	3301.091730422816	3296.3169723546907	3304.428147377388	0	0
291	95	69851	-179541.1413	854343.7172025076	39.19826342645014	-101.4329032	289971.28473173196	3443991.85087204	3465.47313309337	3299.07741658684	3292.804161	3304.715090590268	0	0
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293	95	69853	-178221.1413	854343.7172025076	39.1985072	-101.428261	290373.4668695437	3443983.765	3465.940087698837	3295.26163899013	3298.076945298496	3301.676350763024	0	0
294	95	69854	-177561.1413	854343.7172025076	39.19863474770105	-101.4259176	290574.7528447085	3443978.72265425	3466.083459612388					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SurfElevKgr.f	SatBoth.f
371	95	69931	-126741.1413	854347.3170250766	39.20966126930376	-101.2466171	306057.1072654276	4343668.998417254	3305.708383	3202.031411049141	3130.0737744120825	3129.536344058894	71.9573663705884	72.4950660240732
372	95	69932	-12681.1413	854347.3170250766	39.22066988	-101.2442885	306258.1270800156	4343664.570141064	3305.096877063703	3201.139577578237	3127.517124418525	3127.156885	71.9673691256732	73.9626928156798
373	95	69933	-126421.1413	854347.3170250766	39.2206748695648	-101.2418399	306459.2367	4343660.924068119	3334.488	3200.169666293435	3125.155951483463	3124.8993279304466	70.1400374885721	75.27033702698688
374	95	69934	-124761.1413	854347.3170250766	39.2206697940879	-101.2396313	306600.3124035676	4343656.914132495	3333.873846	3199.09511028232	3122.812685135714	3122.706586060635	76.26320596	76.3996303
375	95	69935	-12401.1413	854347.3170250766	39.220669549456856	-101.2373027	306861.36548574246	4343652.88640211	3333.47964671029	3197.892057100057	3120.805320255326	3120.641512433493	77.08687468447306	77.25045545761264
376	95	69936	-12341.1413	854347.3170250766	39.2207038452656	-101.2349741	307062.4284152334	4343650.858583622	3332.430763020788	3196.5302939127564	3118.16765967527	3118.6809853090485	77.49363821730039	77.84538625627189
377	95	69937	-122781.1413	854347.3170250766	39.22071228641794	-101.2326455	307263.9430479047	4343644.831487055	3332.125873589154	3194.982140665052	3117.9168705715152	3116.748208977495	77.0752991390608	78.243419730238
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379	95	69939	-121461.1413	854347.3170250766	39.2207298695648	-101.2278953	307685.6205728847	4343636.7127299656	3332.405522074554	3191.381130046427	3115.823136148176	3112.978141518027	75.8739698662645	76.3818846453897
380	95	69940	-120891.1413	854347.3170250766	39.22073718502163	-101.2256597	307866.839777015	4343632.75047713	3332.365477551196	3189.2810864323205	3114.933978139874	3114.731329244465	77.4882028311848	77.882028311848
381	95	69941	-120141.1413	854347.3170250766	39.22073536119397	-101.2233311	308067.7433839965	4343632.33839965	3332.035432347809	3187.4075664297664	3114.1838905113143	3112.7980027252615	72.8631769565216	72.8631769565216
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383	95	69943	-118821.1413	854347.3170250766	39.22076188061494	-101.2186739	308469.8726	4343620.671	3331.2460783180194	3182.2146775569486	3112.101769137	3112.0506983211255	70.11291737	70.16398123582303
384	95	69944	-118161.1413	854347.3170250766	39.2207769558186	-101.2163453	308670.3531965931	4343616.45013826	3331.639362321256	3179.660544729066	3110.9498370397773	3110.5342610733925	68.7108174312925	69.1263933949828
385	95	69945	-117501.1413	854347.3170250766	39.2207779612574	-101.2140167	308871.9975451537	4343612.61919237	3331.0389682604508	3177.040707199324	3108.733928579156	3108.570731918004	67.30677214	67.4705868381193
386	95	69946	-116841.1413	854347.3170250766	39.22078774111116	-101.211681	309073.0597161573	4343608.5933724865	3330.438023044906	3174.1071153915767	3108.54011870922	3108.42558732473	65.8209665226498	65.9445745910394
387	95	69947	-116181.1413	854347.3170250766	39.22078371171795	-101.2093958	309274.1217	4343604.56782461	3331.491484268436	3171.6610183718395	3107.20400716255	3106.9624363555403	64.4270160158467	64.7854646228519
388	95	69948	-115521.1413	854347.3170250766	39.2208016704628	-101.2070308	309475.184963154	4343602.54548462	3332.1966545381	3168.932402088705	3105.702000878214	3105.382330349205	63.2212933740915	63.45416903950005
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390	95	69950	-114201.1413	854347.3170250766	39.22081276276722	-101.2023736	309877.306287093	4343592.421976228	3333.6132853936766	3163.3911926253368	3102.9325005033067	3103.825767064677	59.568692230084	59.568692230084
391	95	69951	-113541.1413	854347.3170250766	39.22082502315985	-101.200005	310078.3677650065	4343588.46745101	3333.626401553445	3160.067208654764	3101.5338710623313	3104.058578831079	57.940339159509	56.5213280230923
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394	95	69954	-111561.1413	854347.3170250766	39.22084034466115	-101.1930592	310681.55035765	4343576.34079963	3331.7776313947	3152.2202431325475	3096.963327990254	3100.234731750445	55.2669151429333	55.9551135
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396	95	69956	-110241.1413	854347.3170250766	39.22086315044372	-101.188402	311083.671556923	4343568.36407256	3331.3908594391324	3146.645318100805	3093.48628756155	3098.7952373761993	53.1590293446501	47.85004724605596
397	95	69957	-109581.1413	854347.3170250766	39.2208764096462	-101.1860733	311284.731271026	4343564.32244193	3331.008079	3143.85919722545886	3091.699753543639	3091.699753543639	51.4902219	51.4902219
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400	95	69960	-107601.1413	854347.3170250766	39.22089284	-101.1793787	311887.9103155683	4343552.730315683	3330.4575005619657	3135.54510308181	3087.5450756219657	3087.5450756219657	49.1727145400274	49.1727145400274
401	95	69961	-106941.1413	854347.3170250766	39.22090015326105	-101.1767589	312088.969138189	4343548.22942165	3330.3830016175412	3132.790494110343	3083.30369776273	3092.64673291479	48.8665413271556	48.14369342401114
402	95	69962	-106281.1413	854347.3170250766	39.22090741888345	-101.1744303	312290.029117889	4343544.260419829	3330.9626318783353	3130.048567294014	3080.85491433453	3091.2719687230435	48.95629106611	38.7769587161052
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407	95	69967	-102981.1413	854347.3170250766	39.22094307234336	-101.1627872	313295.32234645047	4343522.059038024	3331.307433333491	3116.515315	3074.6999371986003	3080.686619	48.181570242529	35.8269896026395
408	95	69968	-102321.1413	854347.3170250766	39.220950060897956	-101.1604586	313496.3044125587	4343520.073	3330.520506	3113.84488602645	3076.1070540182127	3077.97629694383	37.7373278443216	37.7373278443216
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410	95	69970	-101001.1413	854347.3170250766	39.22096302467065	-101.1558013	313899.4960861396	4343512.03	3298.969301522462	3108.5401410913432	3071.4955725902656	3071.275305808868	37.0044152902656	37.264382245736
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412	95	69972	-99681.1413	854347.3170250766	39.22097760132798	-101.1511441	314300.6110012681	4343503.981771978	3296.543112583117	3103.262654070707	3067.925190546723	3067.925190546723	40.631252885177	40.631252885177
413	95	69973	-99021.1413	854347.3170250766	39.2209827176284	-101.148488	314508.4698762584	4343500.43469874	3296.543112583117	3103.262654070707	3067.925190546723	3067.925190546723	38.8519854776608	38.8519854776608
414	95	69974	-98361.1413	854347.3170250766	39.2209911	-101.1464688	314702.725188333	4343505.945733096	3296.543112583117	3103.262654070707	3067.925190546723	3067.925190546723	38.8519854776608	38.8519854776608
415	95	69975	-97701.1413	854347.3170250766	39.22099777897222	-101.1441582	314903.782009329	4343491.926237167	3289.356020527355	3095.49401				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BRIEFLgthsKg.f	BRIEFLgthsKg.f	SurfBothKg.f	SurfBothKg.f
487	95	70057	-43581.14133	854347.3170250766	39.22139254871908	-100.95321	331389.8401207494	4343162.865793225	312.1378478938877	2522.447421793101	2874.7799520793036	2869.3473389054016	17.67046971	83.10008289
498	95	70058	-42921.14133	854347.3170250766	39.22139546933628	-100.9508814	331590.8840730353	4343158.860784243	312.14877417159067	2951.9011478102084	2876.6229351213454	2876.1541212519446	75.2782126894299	75.74702656
499	95	70059	-42881.14133	854347.3170250766	39.22139839973804	-100.9486837	331791.9277685951	4343154.8531444543	312.9532633242183	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
500	95	70060	-41401.14133	854347.3170250766	39.22140125656164	-100.9462241	331950.8699011921	4343150.85001751	312.7980729430257	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
501	95	70061	-40941.14133	854347.3170250766	39.22140403903906	-100.9438954	332194.01187025825	4343146.485219155	312.640850565265	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
502	95	70062	-40281.14133	854347.3170250766	39.22140683709064	-100.9415668	332395.053747374	4343142.485026361	312.485322066043	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
503	95	70063	-39621.14133	854347.3170250766	39.22140956	-100.9392381	332596.054158684	4343138.383016088	312.554864047696	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
504	95	70064	-38981.14133	854347.3170250766	39.22142132746743	-100.9369095	332791.136893251	4343134.311868691	312.633556884941	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
505	95	70065	-38301.14133	854347.3170250766	39.221424072678	-100.9345868	332996.176207631	4343130.27358171	312.6222712385857	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
506	95	70066	-37641.14133	854347.3170250766	39.2214268005435	-100.9322522	333199.2194	4343126.823507616	312.709176101829	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
507	95	70067	-36981.14133	854347.3170250766	39.2214200008037	-100.9299235	333400.2603476534	4343122.818737616	312.647284828092	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
508	95	70068	-36321.14133	854347.3170250766	39.221424986257	-100.9275949	333601.3011737277	4343118.81677763	312.425485992174	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
509	95	70069	-35661.14133	854347.3170250766	39.22142856146708	-100.9252662	333802.3418327143	4343114.421752653	311.9252732116253	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
510	95	70070	-35001.14133	854347.3170250766	39.2214239732672	-100.9232376	334003.328396106	4343110.80958308	311.8149614403367	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
511	95	70071	-34341.14133	854347.3170250766	39.22142972220886	-100.9208089	334204.42267854523	4343106.860444911	311.98559172938	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
512	95	70072	-33681.14133	854347.3170250766	39.22143204011	-100.9182803	334405.4626563809	4343102.8632264	311.7315713	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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514	95	70074	-32361.14133	854347.3170250766	39.22143654	-100.913623	334807.5427726284	4343094.78393396	311.4441422313042	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
515	95	70075	-31701.14133	854347.3170250766	39.22143872383553	-100.9112943	335008.58242143923	4343090.79599311	311.5831895168506	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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517	95	70077	-30381.14133	854347.3170250766	39.22144295492038	-100.906637	335401.6162364804	4343079.19160064	311.846393596784	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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520	95	70080	-28401.14133	854347.3170250766	39.22144980449394	-100.8995511	336013.778406618	4343070.787	312.073971947458	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
521	95	70081	-27741.14133	854347.3170250766	39.2214507713288	-100.8973224	336214.81721196906	434306.786	312.0715771074537	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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523	95	70083	-26421.14133	854347.3170250766	39.2214545638048	-100.892665	336616.8941968074	4343058.78374831	312.073623123416	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
524	95	70084	-25761.14133	854347.3170250766	39.22145635	-100.8903369	336817.9324484955	4343054.783071007	312.0408597205513	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
525	95	70085	-25101.14133	854347.3170250766	39.2214582596881	-100.888078	337017.974622242	4343050.78381816	312.02490871572	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
526	95	70086	-24441.14133	854347.3170250766	39.2214597576346	-100.8859372	337220.94771058	4343047.7818065	311.76545172938	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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533	95	70093	-19821.14133	854347.3170250766	39.22147032571089	-100.8693786	338627.265894578	4343018.78470038	308.6330290341973	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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535	95	70095	-18501.14133	854347.3170250766	39.22147294	-100.8647213	339029.3427747369	4343010.787146966	308.3781074815632	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
536	95	70096	-17841.14133	854347.3170250766	39.22147417580975	-100.8623626	339230.379130146	4343006.78601354	308.259796966777	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
537	95	70097	-17181.14133	854347.3170250766	39.22147536921644	-100.860064	339431.415332663	4343002.790236349	308.1478477235	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
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540	95	70100	-15201.14133	854347.3170250766	39.221479675344	-100.853078	340043.5229687395	4342988.792624479	307.8501205700475	2876.1541212519446	2876.1541212519446	2876.1541212519446	75.2782126894299	75.74702656
541	95	70101	-14541.14133	854347.3170250766	39.2214796830477	-100.8507494	340235.585370475	4342986.79882207	307.7683283970182	2876.1541212519446	2876.1541212519446	2876.15412		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
625	95	70183	39578.85867307335	8545437.3170250766	39.221409732625084	-100.6597999	356719.9652984735	4342659.605551993	251.610699327225	274.382082933339	275.694575075316	35.16528533138535
626	95	70184	40238.85867307335	8545437.3170250766	39.221401701278793	-100.6547172	356920.38865596845	4342655.622666913	253.1521367307214	272.4947736832763	275.1020791	35.02941888190617
627	95	70185	40898.85867307335	8545437.3170250766	39.22140478797107	-100.6551426	357122.2118746685	4342651.640261743	253.4787306254997	273.7802706254997	275.694575075316	34.9268138710364
628	95	70186	41558.85867307335	8545437.3170250766	39.22140143817455	-100.6528139	357323.0345955089	4342650.6350471	273.2422	278.761119013638	274.825557095382	35.04190368361376
629	95	70187	42218.85867307335	8545437.3170250766	39.22139858339835	-100.6504485	357524.057897280	4342643.678990232	273.31436242371262	278.9606207148204	274.7176162	35.17965306896763
630	95	70188	42818.85867307335	8545437.3170250766	39.2213658362443	-100.6481566	357725.08070147247	4342631.908352248	273.1801356836243	275.488468390218	275.050552312148864	35.164208252958
631	95	70189	43538.85867307335	8545437.3170250766	39.22139273890867	-100.645828	357926.103678653	4342621.12139393	273.224213671086104	274.4698117075545	274.78481067234157	35.04195891055824
632	95	70190	44198.85867307335	8545437.3170250766	39.22138974919013	-100.6449393	358127.129996564	4342631.700351364	273.316168836115991	278.6163323383084	274.084930267411	35.0699014598286
633	95	70191	44898.85867307335	8545437.3170250766	39.22138971446623	-100.6449393	358277.1689110514	4342627.969469643	273.50635166128644	278.142163598655	275.158119150121	35.04195891055824
634	95	70192	45518.85867307335	8545437.3170250766	39.221383482063	-100.638942	358523.1706422319	4342622.77698648	273.577356594505	277.8202583011923	278.523240556895	35.04195891055824
635	95	70193	46178.85867307335	8545437.3170250766	39.22138051	-100.6365134	358780.19275947905	4342619.787691964	273.6857467842633	277.615948484095	273.7083269743737	35.0418719721498
636	95	70194	46838.85867307335	8545437.3170250766	39.221377340532534	-100.6341747	358931.21473995136	4342615.80590503	272.595153	277.4745073864648	273.510534791916	35.04195891055824
637	95	70195	47498.85867307335	8545437.3170250766	39.22137412591903	-100.6318561	359123.236683256	4342611.62197904	272.5002502967447	273.2732483605485	275.6237020456848	35.04195891055824
638	95	70196	48158.85867307335	8545437.3170250766	39.2213708663258	-100.6295274	359333.25829139014	4342607.844765058	272.5945074631394	273.1753332930067	273.1667304745436	35.04195891055824
639	95	70197	48818.85867307335	8545437.3170250766	39.22136756715314	-100.627198	359534.27962796476	4342603.864	272.522605585717	273.593288720508	273.29155483166017	35.04195891055824
640	95	70198	49478.85867307335	8545437.3170250766	39.221364212200728	-100.6248702	359735.301298135	4342599.884154403	272.5071303545238	273.345532466934	272.83037504515	35.04195891055824
641	95	70199	50138.85867307335	8545437.3170250766	39.2213608176687	-100.6225415	359936.32259785174	4342595.90416758	272.591730675656	273.7469681276452	272.7802974834174	35.04195891055824
642	95	70200	50798.85867307335	8545437.3170250766	39.2213573781572	-100.6202129	360137.34376197227	4342591.924	272.513128621145265	273.5611611725434	272.6881669633473	35.04195891055824
643	95	70201	51458.85867307335	8545437.3170250766	39.2213538365951	-100.6178842	360338.3647907501	4342587.94729531	272.5084038689277	273.67351728	272.6157407465654	35.04195891055824
644	95	70202	52118.85867307335	8545437.3170250766	39.22135036419611	-100.6155556	360539.385684390	4342583.96520484	272.4954799264097	273.1961900479678	272.633459044255	35.04195891055824
645	95	70203	52778.85867307335	8545437.3170250766	39.22134678974471	-100.6132269	360740.4064430862	4342580.988011108	272.490359682979	273.61470027855	272.654990870771	35.04195891055824
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647	95	70205	54098.85867307335	8545437.3170250766	39.2213397154204	-100.6085678	361142.4572568328	4342572.018214421	272.478592382503	273.568592382503	272.658592382503	35.04195891055824
648	95	70206	54758.85867307335	8545437.3170250766	39.22133576516094	-100.606241	361343.4671165795	4342568.049	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
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660	95	70218	61258.85867307335	8545437.3170250766	39.2212877544204	-100.578375	363755.70419038	4342520.2182737	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
661	95	70219	62018.85867307335	8545437.3170250766	39.2212838132044	-100.5759868	363956.720085125	4342516.32132247	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
662	95	70220	62698.85867307335	8545437.3170250766	39.22127914218165	-100.57364	364157.7389469034	4342512.36591302	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
663	95	70221	63458.85867307335	8545437.3170250766	39.22127458136445	-100.5713114	364358.7572595746	4342508.39887893	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
664	95	70222	63818.85867307335	8545437.3170250766	39.22127039075296	-100.5689827	364559.7549434376	4342504.41023009	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
665	95	70223	64378.85867307335	8545437.3170250766	39.22126625503468	-100.5666541	364760.79396641	4342500.43584569	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
666	95	70224	64838.85867307335	8545437.3170250766	39.2212613074636	-100.5643255	364961.8115688485	4342496.4256776	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
667	95	70225	65338.85867307335	8545437.3170250766	39.2212567307152	-100.5620002	365162.839619038	4342492.4256776	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
668	95	70226	65798.85867307335	8545437.3170250766	39.22125163039356	-100.5596822	365363.847122535	4342488.51290357	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
669	95	70227	66318.85867307335	8545437.3170250766	39.221247545	-100.5573395	365564.864704206	4342484.537	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
670	95	70228	66778.85867307335	8545437.3170250766	39.2212428140446	-100.5550109	365765.8821561322	4342480.56251218	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
671	95	70229	67238.85867307335	8545437.3170250766	39.2212380622341	-100.5526823	365966.8947841014	4342476.8105216	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
672	95	70230	67698.85867307335	8545437.3170250766	39.2212337726995	-100.550336	366167.916712806	4342472.61829746	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
673	95	70231	68158.85867307335	8545437.3170250766	39.2212294345162	-100.5480625	366368.937486387	4342468.63889184	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
674	95	70232	68618.85867307335	8545437.3170250766	39.2212254509611	-100.5456963	366569.956695161	4342464.65265059	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
675	95	70233	69138.85867307335	8545437.3170250766	39.22122186475917	-100.5433677	366770.9676	4342460.69141383	272.4786324654028	275.51933803587	272.781900407313	35.04195891055824
676	95	70234	69618.85867307335	8545437.3170250766	39.221							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatHLogs.f	SatHBoth.f
9	76	70309	-365661.1413	855097.3170250766	39.21640014271066	-102.0895439	233261.6133267805	4345340.546213853	401.0630552584802	383.001539304208	3739.511641101851	3737.986391437421	83.2899892023565	84.8151747
10	76	70310	-365001.1413	855097.3170250766	39.21642503872854	-102.0872157	233462.7607789176	445336.3514327922	402.160819959883	3821.20533959459	3736.848761572816	3735.702138010817	84.35895533	85.50339884910722
11	76	70311	-365041.1413	855097.3170250766	39.21644498877785	-102.0868214	233693.69666663	445332.321038249	402.7420494911	3819.633722508296	3734.852329405427	3733.842294054267	85.733015639386	86.43750479368962
12	76	70312	-363681.1413	855097.3170250766	39.2164749555942	-102.0825591	233865.0533900572	445328.262110301	404.408746703608	3817.972733466104	3732.95761782274	3731.806253183491	84.94841168382978	86.11661200312678
13	76	70313	-363021.1413	855097.3170250766	39.216494945697288	-102.0802208	234066.1995449463	4453324.2617785927	402.832343618523	3816.334308168795	3730.7408931796795	3730.273344329853	85.5934373720002	86.0609867502422
14	76	70314	-362361.1413	855097.3170250766	39.216524173118245	-102.0779026	234267.3544504475	445331.07783316275	404.677049284976	3814.681732	3728.979105469142	3728.438739	85.726545534831	86.2477653136021
15	76	70315	-361701.1413	855097.3170250766	39.216546484295374	-102.0755743	234468.49107089614	4453451.057896914	404.8103400452214	3813.014300452214	3727.0666323234679	3726.45842027613	85.9476672153467	86.52891642
16	76	70316	-361041.1413	855097.3170250766	39.21657347050434	-102.073246	234669.6344551285	4453431.885991844	404.61032137579003	3811.371703074565	3725.158675111038	3724.756497	86.178277941871	86.5754416115636
17	76	70317	-360381.1413	855097.3170250766	39.216598961745024	-102.0709817	234870.761580392	445330.3072989263	404.653696784045	3809.633722508296	3723.371210788475	3723.1961747	86.26345221858461	86.43750479368962
18	76	70318	-359721.1413	855097.3170250766	39.21662558901737	-102.0683884	235071.9233931415	445303.68899041	401.27576789247	3817.912555485852	3721.75363650315	3721.581165379836	86.15909119412569	86.21059068705
19	76	70319	-359061.1413	855097.3170250766	39.21664709321376	-102.0662511	235273.0707976339	445329.005667483	400.80938161238	3806.18673944476	3720.22565437429	3720.110689308885	86.05108510733484	86.07593046007763
20	76	70320	-358401.1413	855097.3170250766	39.216671525656935	-102.0639329	235474.2152895328	445329.513	400.064135615713	3804.43349164988	3719.0089376424383	3718.739323119610	85.42455395574962	86.6996839344567
21	76	70321	-357741.1413	855097.3170250766	39.21669597204084	-102.0616046	235675.3593403655	445319.419774705	400.55788961904	3802.6534336248	3717.31569603602117	3717.689738168481	84.98968193944679	86.98968193944679
22	76	70322	-357081.1413	855097.3170250766	39.2167032423271	-102.0592763	235876.5013634792	445328.27105334	400.046364362238	3802.6823099259053	3716.208679219741	3716.5751727092156	84.635307160422	84.2871371268894
23	76	70323	-356421.1413	855097.3170250766	39.216744459	-102.056948	236077.6466667272	445324.23406035	400.455272594714	3799.404274172325	3715.0564796110807	3715.0564796110807	86.38779454	83.5056148464052
24	76	70324	-355761.1413	855097.3170250766	39.21676886134227	-102.0546197	236278.7899352208	445327.9142201598	3997.285077654414	3797.210814007767	3714.114038	3714.548497386088	83.0967750509505	82.6623106146673
25	76	70325	-355101.1413	855097.3170250766	39.2167930820714	-102.0522914	236479.83294219545	445327.505202253	3994.1147284080677	3795.364798460833	3713.342406011628	3713.67235651162	82.11989748023526	81.6875349
26	76	70326	-354441.1413	855097.3170250766	39.21681725931286	-102.0499631	236681.075687794	445329.958247394	3990.944378443761	3790.510617314786	3712.36494490739	3712.781732112395	81.14147652404745	80.72443778035476
27	76	70327	-353781.1413	855097.3170250766	39.21684130886735	-102.0476348	236882.21872123803	445326.86658241	3988.069868182525	3791.635077566301	3711.4884858376304	3711.832745517825	80.14659172867096	79.70232191445641
28	76	70328	-353121.1413	855097.3170250766	39.21686547473405	-102.0453065	237083.360395193	445326.774760665	3985.57272706328	3789.751446114075	3710.5684015904824	3710.208997142713	80.18394116359206	78.54154997135222
29	76	70329	-352461.1413	855097.3170250766	39.21688519091225	-102.0429782	237284.50235844772	445328.63894488	3983.047648844738	3787.855202188166	3709.460700102474	3711.106367817916	79.3945024085992	76.74883460204546
30	76	70330	-351801.1413	855097.3170250766	39.21691351951705	-102.0406498	237485.5440062878	4453254.592397954	3980.5205269195	3785.946295711441	3707.838947	3711.164749196267	78.29635372521438	76.74883460204546
31	76	70331	-351141.1413	855097.3170250766	39.21694023136284	-102.038372	237689.6292323684	445325.01388349	3978.742598984945	3784.328133054974	3706.8258363827	3691.572553629675	78.1210312449	76.810761719298
32	76	70332	-350481.1413	855097.3170250766	39.21696137414322	-102.0359933	237867.92578415368	445324.015065384	3976.2894475151337	3699.18670054813	3698.41755644709	3691.219666058403	83.6808715102482	76.810761719298
33	76	70333	-349821.1413	855097.3170250766	39.21698952385829	-102.033665	238089.0670592186	445324.919927024	3974.975104124336	3780.161750588242	3697.244004081218	3696.47643768923	82.917700720204	83.47506179
34	76	70334	-349161.1413	855097.3170250766	39.21700905	-102.0313367	238290.2083679222	445328.2924	3967.6605839239	3778.216487588576	3697.326219866152	3696.306989447202	80.8902671024327	81.8556181289348
35	76	70335	-348501.1413	855097.3170250766	39.21703284462244	-102.0290804	238491.38477048148	445324.1392040895	3964.03515773356	3767.262839806907	3697.59073868198	3696.63542173278	78.67220024879039	79.62751619362916
36	76	70336	-347841.1413	855097.3170250766	39.21705655129703	-102.02668	238682.4889136838	445320.49	3960.985968652124	3774.301647744395	3697.958414431842	3697.518526783845	76.342332459716	76.7831221
37	76	70337	-347181.1413	855097.3170250766	39.21708023316284	-102.024351	238883.5287977575	445325.9259219491	3958.181897816658	3769.2387851610767	3698.32587851610767	3698.5114699135898	78.8174111524491	76.7831221
38	76	70338	-346521.1413	855097.3170250766	39.21710370369434	-102.02234	239094.7804296049	445321.86950452	3955.225035070225	3769.480456119483	3698.2387851610767	3698.2387851610767	78.11818322474	76.7831221
39	76	70339	-345861.1413	855097.3170250766	39.2171276198614	-102.0196951	239295.9077894505	445321.77993715	3948.614275	3768.374501680738	3694.8270023639	3694.49173239904	75.5460316570887	73.88276928167397
40	76	70340	-345201.1413	855097.3170250766	39.2171510084393	-102.0173668	239497.046897433	445320.610626856	3946.785919148741	3693.4897470736037	3691.10882690895962	3691.7240468723	75.277025687465	73.88276928167397
41	76	70341	-344541.1413	855097.3170250766	39.21717510932345	-102.0150385	239698.18574173278	445320.601465086	3942.0445189137853	3691.381867665731	3691.74058654957	3687.032194482425	72.6078991103516	77.3596772
42	76	70342	-343881.1413	855097.3170250766	39.217197967951385	-102.0127101	239899.3243874772	445320.51248784	3938.76000235138	3762.390466948315	3689.5113458613704	3684.160694835178	72.4605673923562	76.7831221
43	76	70343	-343221.1413	855097.3170250766	39.21722136000598	-102.0103818	240100.46287248047	445321.423695174	3935.995253751746	3760.39969198963	3688.2623744509708	3684.113687330809	74.1279714799248	76.7831221
44	76	70344	-342561.1413	855097.3170250766	39.21724474708105	-102.008035	240301.6007485395	445319.735	3934.742598984945	3758.38213054974	3686.0258363827	3691.572553629675	76.810761719298	76.7831221
45	76	70345	-341901.1413	855097.3170250766	39.21726808919158	-102.0057252	240502.7366712566	445319.246636386	3931.42582336217	3756.3759385845624	3687.95329979752	3683.211294880105	75.8165655860434	73.16082864
46	76	70346	-341241.1413	855097.3170250766	39.21729134633251	-102.0033968	240703.812445393	445318.1584266963	3924.2245655871	3754.3634714546947	3676.9279322650113	3686.3309125517268	74.435391896337	68.0329809296795
47	76	70347	-340581.1413	855097.3170250766	39.21731457850386	-102.0010685	240905.0138247108	445318.073036963	3926.921740547652	3752.354054658064	3674.116722518638	3684.0192223816027	74.1693720822615	61.9348133421579
48	76	70348	-339921.1413	855097.3170250766	39.217337765705516	-101.9987402	241106.1504801347	445318.9032	3924.531061681207	3750.3485700086256	3671.7166695391	3696.692691610077	74.61319044893741	53.6730308904485
49	76	70349	-339261.1413	855097.3170250766	39.21736090793746	-101.9964118	241307.2872089995	445317.86494813955	3922.138471876423	3684.39847176423	3669.349177702847	3694.873694468022	70.0006948375753	53.4762071246062
50	76	70350	-338601.1413	855097.3170250766	39.21738405119663	-101.9940385	241508.42380521993	445317.807312357	3915.7468375890558	3746.361175453171	3667.178798848505	3696.290458752385	70.182276886049	50.07071717642746
51	76	70351	-337941.1413	855097.3170250766	39.21740726094301	-101.9917458	241709.6198329031	445317.719862965	3913.919817598834	3744.361291988456	3666.282132948564	3695.15769851926	70.182276886049	50.07071717642746
52	76	70352	-337281.1413	855097.3170250766	39.21743006481953	-101.9894268	241910.6951053286	445316.6433	3913.902179551227	3746.361175453171	3667.178798848505	3696.290458752385	70.182276886049	50.07071717642746
53	76	70353	-336621.1413	855097.3170250766	39.21745302716721	-101.9870805	242111.83187157504	445316.0454913645	3910.792522891848	3740.493004394896	3661.883459707784	3673.761952	70	

ix	iy	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BRfElevKgrg.f	BRfElevBothKgr.f	SatfHtKgrg.f	SatfHtBoth.f
135	96	70435	-282501.1413	855097.3170250766	39.21918290359822	-101.7961701	558604.1138724223	443826.2634030402	3751.704578972238	3569.054047079229	3474.179164693073	119.747262081894	114.87430429919479
136	96	70436	-281841.1413	855097.3170250766	39.21920213330678	-101.7938416	558055.2291202047	444281.9173164525	3747.865293711766	3568.186078959239	3475.661186630873	112.52489146196785	100.20611312659853
137	96	70437	-281181.1413	855097.3170250766	39.21922131804212	-101.7918132	558066.2441294705	444817.35	3744.020040487166	3567.209511333035	3482.28931852131498	105.02018281168522	84.84069283676665
138	96	70438	-280521.1405	855097.3170250766	39.21924054780415	-101.7891487	558107.254000013036	445138.182874157	3740.1867177176956	3586.410694961624	3488.1359568754774	509.37748235019	87.246930814673
139	96	70439	-279961.1413	855097.3170250766	39.21925955295292	-101.7868563	559408.57343296712	444809.75765296	3737.674504563256	3585.493314668672	3492.9629933451906	352.6303213468115	64.9583639658541
140	96	70440	-279201.1413	855097.3170250766	39.2192786	-101.7845278	559069.6872764574	445058.686840301	3736.4858367227143	3584.548834511704	3497.379060257498	351.4533839642778	53.040540546876684
141	96	70441	-278541.1413	855097.3170250766	39.21929707250304	-101.7821994	559810.8178550388	444801.616	3735.30427892173	3583.571206679927	3501.255129136699492	51.815387	42.3246903500522
142	96	70442	-27781.1413	855097.3170250766	39.21931657	-101.7798709	560011.9156038045	444779.545541898	3734.11909063861	3562.554648689186	3505.510811996833	3547.322689862515	73.03783687335303
143	96	70443	-277221.1413	855097.3170250766	39.21933554620143	-101.7775424	560213.0259186862	444782.100778715038	3733.100778715038	3561.492305389042	3508.4219403755095	73.07036500463254	84.84069283676665
144	96	70444	-275651.1413	855097.3170250766	39.219354351935685	-101.775214	560414.1425306857	444789.040497892	3729.240296352391	3580.37716554893	3511.131169790514	3550.248498374954	69.054685593444
145	96	70445	-275091.1413	855097.3170250766	39.21937318	-101.7728855	560612.556536533	444785.3349731144	3728.397768987447	3579.20238696199	3513.0867430272737	347.7366501579031	61.116054888555
146	96	70446	-275241.1413	855097.3170250766	39.219391956858345	-101.7705571	560816.36589067442	444781.265151225	3723.950365627083	3577.963745	3515.234186417862	3545.132014707726	62.72955818
147	96	70447	-274581.1413	855097.3170250766	39.21941089185931	-101.7682286	561017.8411442533	444787.195531328	3719.9811581260224	3576.655533063825	3517.181109997276	3549.231908353549	54.47340291006294
148	96	70448	-273921.1413	855097.3170250766	39.21942938188662	-101.7659001	561218.59352449432	444783.126058843	3715.702343240976	3575.2754933240976	3519.1280600171913	56.14743325	33.30318271230635
149	96	70449	-273261.1413	855097.3170250766	39.21944826940026	-101.7635717	561419.7507406494	444789.056786363	3712.423549847018	3573.722282730949	3521.0097123278465	54.903696771	52.141313753777838
150	96	70450	-272601.1413	855097.3170250766	39.21946662702022	-101.7612432	561620.8176307852	444784.987701688	3707.14474207507	3572.29941470515	3523.98030261048	53.40481489456038	48.31010844110645
151	96	70451	-271941.1413	855097.3170250766	39.219485182126405	-101.7589147	561821.9293212514	444786.158798801	3704.873119263049	3570.7092052557058	3528.13157830845	53.93972258416186	45.5077284210595
152	96	70452	-271281.1413	855097.3170250766	39.219503602258554	-101.7565963	562023.04077619704	444785.905079704	3703.824914115716	3569.057173065403	3528.5062554827314	3538.369522095549	45.557968
153	96	70453	-270621.1413	855097.3170250766	39.21952215741746	-101.7542578	562224.15195983173	444752.782	3703.134596021347	3567.349025	3531.03768292848	36.313162409171	30.36493723108105
154	96	70454	-269961.1413	855097.3170250766	39.21954057760223	-101.7519293	562425.2628036217	444781.71319231	3702.386297062324	3565.951201089115	3533.342188568427	3535.803725257327	32.424901252017253
155	96	70455	-269301.1413	855097.3170250766	39.21956288281315	-101.7496099	562626.3724999973	444744.6570010195	3699.854279985717	3563.7899692183914	3534.030962040806	35.345612663942	29.759007170325276
156	96	70456	-268641.1413	855097.3170250766	39.21957728305013	-101.7472724	562827.48272449177	444745.6540540719	3595.53842949177	3561.9512323865447	3532.86731751637492	3532.98671566745487	29.0751722794995
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158	96	70458	-267321.1413	855097.3170250766	39.2196138050227	-101.7426154	563229.70457151916	444732.441624027	3686.907729250984	3558.1827469074838	3528.114382696262	3528.975933595125	20.30683462
159	96	70459	-266661.1413	855097.3170250766	39.21963023081725	-101.740287	563430.814833592	444738.34791408	3682.948604166558	3556.262470783178	3525.1723513457923	3526.175118220306	31.0091943738551
160	96	70460	-266001.1413	855097.3170250766	39.21965015426723	-101.7379585	563631.9241	444724.3068043015	3679.347510330416	3554.324223629628	3521.6721587489906	35.0902552348312	34.3242915465056
161	96	70461	-265341.1413	855097.3170250766	39.2196682963411	-101.73563	563833.0340629255	444736.378294867	3675.7463050501474	3552.3723606345047	3517.278959742197	35.17294205707905	35.07905486374149
162	96	70462	-264681.1413	855097.3170250766	39.21968632002685	-101.733315	564034.1425173573	444716.127993334	3672.145250669933	3550.40968259391	3511.60868804825	35.116012552177285	38.80842737625244
163	96	70463	-264021.1413	855097.3170250766	39.21970432544546	-101.729873	564235.2513967481	444712.106	3669.543622707004	3548.435625544868	3509.8771866371543	35.0307871866372235	44.558467717144955
164	96	70464	-263361.1413	855097.3170250766	39.2197223058895	-101.7273446	564436.3803910513	444708.039781181	3664.912069156913	3546.432069156913	3509.64591559247	35.04579162951934	37.767760056969
165	96	70465	-262701.1413	855097.3170250766	39.21974023136005	-101.7263161	564637.4684518094	444703.973	3656.340342371707	3544.4645512322872	3486.00648062258	34.964872100017055	57.864487170029406
166	96	70466	-262041.1413	855097.3170250766	39.219758111855974	-101.7239876	564838.57631064	444699.907303084	3650.73064433064	3542.46958298664	3484.0143187510625	34.8487618695889	58.4554017080389
167	96	70467	-261381.1413	855097.3170250766	39.21977594737763	-101.7216591	565039.36846778795	444695.841340639	3645.915304544632	3540.470311382515	3486.835698629646	34.899.036455376254	58.4554017080389
168	96	70468	-260721.1413	855097.3170250766	39.21979373792493	-101.7193306	565240.7922469507	444691.77561141	3641.870350588575	3538.46975491523	3489.745891565232	34.899.036455376254	58.4554017080389
169	96	70469	-260061.1413	855097.3170250766	39.21981145349787	-101.7170021	565441.89977501077	444687.979562319	3637.825396722685	3536.469729855245	3492.31284540052	34.969.26347903172	37.134328984587
170	96	70470	-259401.1413	855097.3170250766	39.21982918409426	-101.7146738	565643.2519573673	444693.64455131	3634.912069156913	3546.432069156913	3509.64591559247	35.04579162951934	37.767760056969
171	96	70471	-258741.1413	855097.3170250766	39.21984682972058	-101.7123451	565844.114044849	444679.579363039	3632.661162745352	3532.4423619374	3536.469729855245	34.969.26347903172	37.134328984587
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173	96	70473	-257421.1413	855097.3170250766	39.219882016045446	-101.7076882	566246.2373820076	444671.494181	3631.645741418487	3528.4203171703276	3496.980932467378	35.055.89572689777	31.4420279289573
174	96	70474	-256761.1413	855097.3170250766	39.21989953674612	-101.7053597	566443.3743145004	444667.38470877	3629.32505429047	3526.413124	3497.085271399223	35.13444544849687	29.32785217717083
175	96	70475	-256101.1413	855097.3170250766	39.21991701247222	-101.7030312	566648.5389917943	444663.320248884	3614.0845509072997	3524.403341387843	3494.40303052545	35.16344573414988	25.96302108632973
176	96	70476	-255441.1413	855097.3170250766	39.2199324323735	-101.700727	566849.546572066	444659.255306506	3605.7272743932474	3522.393743932474	3496.34294635095	34.914.12396323246	24.05040548152354
177	96	70477	-254781.1413	855097.3170250766	39.2199491698206	-101.6980507	567044.114044849	444655.12766531	3603.191943764631	3520.469729855245	3494.40303052545	35.16344573414988	25.96302108632973
178	96	70478	-254121.1413	855097.3170250766	39.2199631698206	-101.6960507	567245.1857074484	444651.12766531	3601.072589152017	3518.37721403114	3498.088040958145	35.1850977812917	20.28940541796353
179	96	70479	-253461.1413	855097.3170250766	39.219978465630384	-101.6931772	567452.9618804137	444647.064106894	3600.44465635034	3516.3733843732725	3497.45680632954	35.195445206413175	18.97617034018553
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181	96	70481	-252141.1413	855097.3170250766	39.2200292326127	-101.6890602	567855.1751541994	444638.937	3617.882772757155	3512.3674671110803	3496.714852226227	35.19323706098216	17.35810449441635
182	96	70482	-251481.1413	855097.3170250766	39.220058326455	-101.6867317	568056.2762079946	444634.87392739	3614.100998961917	3510.3837167147346	3495.50124756531	35.19323706098216	17.35810449

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatThkLog.s	SatThkBoth.f
261	96	70561	-199341.1413	855097.3170250766	39.22125167180875	-01.5027767	283942.82323550433	344343.1459893978	351.393973525252	3364.5800936536053	3383.5913926875337	3382.1089476042657	0
262	96	70562	-198681.1413	855097.3170250766	39.2212652453039	-01.5004481	347.91535926625038	345343.011347268	347.91535926625038	3361.5167269109375	3381.244225144833	3379.76932037084	0
263	96	70563	-198681.1413	855097.3170250766	39.22127873246678	-01.4881196	283444.99623268054	344343.0535353	354.142747866127	3360.4402596330384	3373.019849172883	3372.623901488893	0
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265	96	70565	-196701.1413	855097.3170250766	39.22130565310712	-01.4934264	284747.16916028643	344228.26604062	353.886127075268	3356.2430946559102	3373.0085304420595	3371.2687991574131	0
266	96	70566	-196041.1413	855097.3170250766	39.2213190362076	-01.4911338	284948.2851106182	344294.218990117	351.7518716630256	3354.123417118865	3369.1478032796454	3367.145219529365	0
267	96	70567	-195381.1413	855097.3170250766	39.2213237395713	-01.4888052	285149.3408091365	344290.171352819	352.7436441259442	3351.9813670254361	3361.08234840303	3362.68270540361	0
268	96	70568	-194721.1413	855097.3170250766	39.22134566916264	-01.4864766	285350.34527568037	344286.123093964	352.9220006672975	3349.84806919247	3357.3580016650306	3356.443384759733	0
269	96	70569	-194061.1413	855097.3170250766	39.22135891488987	-01.4841481	285551.51186982634	344282.076643298	347.885778456212	3347.885778456212	3348.168326524416	3348.208958235568	0
270	96	70570	-193401.1413	855097.3170250766	39.22137171902554	-01.4818195	285752.596794042	344276.02956137	345.5345416531407	3341.1583001949454	3338.145748285525	3339.145748285525	0
271	96	70571	-192741.1413	855097.3170250766	39.22138527569272	-01.4794908	285953.68176873426	344263.82269555	350.812056928734	3334.368441953824	3337.4320334273328	3337.27172974821	0
272	96	70572	-192081.1413	855097.3170250766	39.2213983897951	-01.4771623	286154.7663991398	344269.953042685	350.617623348263	3341.1986237417573	3340.0973150528116	3336.1931112501824	0
273	96	70573	-191421.1413	855097.3170250766	39.22141146	-01.4748337	286355.8580402291	344265.88940316	350.2518933758299	3339.0272602270707	3346.8811054337557	3342.83869046489	0
274	96	70574	-190761.1413	855097.3170250766	39.22142448014688	-01.4725051	286556.3501006136	344263.84305844	349.8721747174012	3336.855518329685	3354.8091077419735	3350.7566190523779	0
275	96	70575	-190101.1413	855097.3170250766	39.22143745826443	-01.4701765	286758.01951151052	344257.797	349.135813595502	3334.888713296485	3360.652717896534	3356.353473748105	0
276	96	70576	-189441.1413	855097.3170250766	39.22145039	-01.4678470	286959.10299131078	344253.75002557	3494.3100446242907	3332.5256981757357	3361.123947701379	3356.04012554206	0
277	96	70577	-188781.1413	855097.3170250766	39.221463279567075	-01.4655193	287160.1866216265	344249.705099725	352.4942441527784	3330.3693204221718	3377.6338262038951	3351.03343126473	0
278	96	70578	-188121.1413	855097.3170250766	39.221476317225115	-01.4631907	287361.2042026274	344245.659477556	3490.65843645877	3328.219373042052	3352.716380768384	3344.628578180042	0
279	96	70579	-187461.1413	855097.3170250766	39.22148880205968	-01.4608621	287562.35232532277	344241.614042551	3488.2408952247323	3326.07606433703	3347.1330718808075	3337.6908327612387	0
280	96	70580	-186801.1413	855097.3170250766	39.2215016718964	-01.4585335	287763.4363	344237.568788394	3485.2319102502384	3341.910250523846	3341.761432732334	3330.1643201305244	0
281	96	70581	-186141.1413	855097.3170250766	39.22151438244198	-01.4562049	287964.5190481364	344238.523716975	3482.222340140318	3321.8163152817033	3336.8504904280502	3322.49738014041	0
282	96	70582	-185481.1413	855097.3170250766	39.22152705761674	-01.4538763	288165.6013205999	344229.478283968	3478.2103205982441	3319.1071364479366	3331.1472349319	3315.011797	0
283	96	70583	-184821.1413	855097.3170250766	39.221540271389	-01.4516219	288369.7381	344217.829875083	3475.800869150303	3319.30753413388	3327.1744679262556	3327.1744679262556	0
284	96	70584	-184161.1413	855097.3170250766	39.221552237333556	-01.4492191	288567.761742555	344217.385997414	3475.268515820314	3315.512873458714	3320.96620205563	3320.465402739409	0
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287	96	70587	-182181.1413	855097.3170250766	39.22158968742556	-01.4422333	289171.0114261814	344209.257127765	3471.1765811190804	3309.32607481845	3308.2545777075726	3304.353578283047	0
288	96	70588	-181521.1413	855097.3170250766	39.22160208008402	-01.4399047	289372.0928612426	344205.21334025	3471.1239476702657	3307.303922	3304.789414116824	3303.402688672398	0
289	96	70589	-180801.1413	855097.3170250766	39.221614429271005	-01.4375767	289673.739888209	344201.169725683	3471.0713142887226	3305.249654093161	3303.272524517679	3302.7524517679	0
290	96	70590	-180201.1413	855097.3170250766	39.2216267724054	-01.4352473	28971.2549095781	344193.72628912	3470.8306296794328	3303.306296794328	3302.858933649817	3302.858933649817	0
291	96	70591	-179541.1413	855097.3170250766	39.22163891199235	-01.4329188	289975.356228193	344183.03055511	3470.721085212851	3301.342073037968	3304.3712787048357	3302.3744662548	0
292	96	70592	-178881.1413	855097.3170250766	39.22165120469556	-01.4305903	290176.4161294496	344189.0399469	3470.1475476211056	3299.402489387892	3301.4475476211056	3300.747627813455	0
293	96	70593	-178221.1413	855097.3170250766	39.22166337	-01.4282517	290377.4964294733	344184.997	3469.635965726213	3297.488837432253	3297.93891311772	3298.74660790526	0
294	96	70594	-177561.1413	855097.3170250766	39.22167549675756	-01.4259331	290578.9562350956	344180.954421836	3295.6026272196336	3284.25114961521313	3296.390908	3296.390908	0
295	96	70595	-176801.1413	855097.3170250766	39.22168757532121	-01.4236305	290779.75810542543	344179.711908428	3295.74257764625	3280.762884367155	3283.796404204386	3281.98137377609676	0
296	96	70596	-176241.1413	855097.3170250766	39.2216990590989	-01.4212719	290989.7381	344172.829875083	3295.448992427387	3279.448992427387	3279.448992427387	3279.448992427387	0
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304	96	70604	-170961.1413	855097.3170250766	39.2217942583303	-01.402647	292589.3651236476	344140.531519663	3459.177377170657	3278.257327170657	3278.257327170657	3278.257327170657	0
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307	96	70607	-168981.1413	855097.3170250766	39.2218290079911	-01.3956611	293192.590059027	344128.416011249	3456.05185652955	3273.521956557923	3258.4499024071465	3258.76515563035	0
308	96	70608	-168321.1413	855097.3170250766	39.22184105	-01.3933325	293392.76724943	344124.37587372	3455.322885811319	3271.951585768871	3257.17557373757	3256.891515380605	0
309	96	70609	-167681.1413	855097.3170250766	39.2218518261825	-01.3910938	293684.75389881	344120.358916245	3454.59035854834	3270.476586423284	3255.46760122341	3255.46760122341	0
310	96	70610	-167001.1413	855097.3170250766	39.22186335641044	-01.3886753	293795.36571177885	344116.29146579	3453.88502578448	3269.97471242538	3253.728653829163	3252.7436919718903	0
311	96	70611	-166341.1413	855097.3170250766	39.22187471532473	-01.3863467	293956.9067334385	344112.257	3452.535013911741	3267.49381101971	3257.1780525151297	3256.30546686332	0
312	96	70612	-165681.1413	855097.3170250766									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	U0TM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatThKgr.ft	SatThBoth.ft
387	96	70687	-116181.1413	855097.3170250766	38.22260638485418	-101.2039968	309278.15161815204	4343805.781485671	3322.360119837988	317.2049896199588	3107.41157025081	3107.089953298478	68.2833659497787	63.20530323148064
388	96	70688	-115521.1413	855097.3170250766	39.222614260383056	-101.207041	309479.21322510958	4343801.75938418	3322.99751099226	316.715340244478	3106.042695651474	3106.155775841407	61.57087061964354	61.45786266033747
389	96	70689	-114861.1413	855097.3170250766	39.222622139032315	-101.2047123	309860.2746451722	4343797.730564722	3323.6355640915893	314.638038323424	3104.622997549566	3104.24116811894	60.263658373386	60.6567412384927
390	96	70690	-114201.1413	855097.3170250766	39.22263096501825	-101.202338	309881.3358784313	4343793.705377252	3324.27253362102	316.7178193835054	3103.076974510208	3103.1512188854565	58.3740955913467	58.3740955913467
391	96	70691	-113541.1413	855097.3170250766	39.222637687091606	-101.20005	310082.3966252037	4343789.680371775	3324.21604505824	315.69435978417985	3101.517137483978	3103.657825065342	57.97146044782004	57.97146044782004
392	96	70692	-112881.1413	855097.3170250766	39.2226451270166	-101.1977263	310283.4575765685	4343785.655528428	3324.4659823755097	316.5679968139176	3099.9804271720277	3102.211313857374	56.46868754188887	56.46868754188887
393	96	70693	-112221.1413	855097.3170250766	39.22265338333197	-101.1953976	310484.5185	4343781.631	3322.715259637335	315.5319238986334	3098.385916268952	3101.2405762909154	52.6767425477859	52.6767425477859
394	96	70694	-111561.1413	855097.3170250766	39.222660708982495	-101.1930689	310585.5788448245	4343777.6064472245	3321.9664763671	315.1149384625227	3096.783409784606	3101.271847181646	54.36594748291605	54.36594748291605
395	96	70695	-110901.1413	855097.3170250766	39.22266899632564	-101.1907403	310686.6369511485	4343772.781384861	3318.5355640915893	314.638038323424	3096.082291786954	3100.32116811894	60.263658373386	60.263658373386
396	96	70696	-110241.1413	855097.3170250766	39.2226758234422	-101.1884116	310787.6993683744	4343769.58070413	3314.48720414005	314.638038323424	3093.134025312313	3099.2351652889	56.4734071788405	56.4734071788405
397	96	70697	-109581.1413	855097.3170250766	39.2226833160536	-101.1860829	311288.7593003054	4343765.341603271	3311.32006806192	314.638038323424	3098.163888887458	3101.4480053017861	44.6716266735442	44.6716266735442
398	96	70698	-108921.1413	855097.3170250766	39.22269017786694	-101.1837543	311489.8194701458	4343761.51	3307.212308	314.078359979487	3089.3237748321176	3096.176566021635	50.75458515	43.90140373732328
399	96	70699	-108261.1413	855097.3170250766	39.22269816	-101.1812546	311690.878691007	4343757.48687876	3306.1273055	3087.4720012386356	3094.9227713561645	3097.78325305543	42.39778325302541	42.39778325302541
400	96	70700	-107601.1413	855097.3170250766	39.2227051830982	-101.1790969	311891.937963754	4343753.46310699	3305.203269233445	314.3458805056763	3085.525138299994	3093.742225151805	49.8482329701866	49.8482329701866
401	96	70701	-106941.1413	855097.3170250766	39.222712829101624	-101.1767862	312092.99719717654	4343749.403428895	3304.231699232945	314.56605035195	3083.453218609183	3092.62785345169	47.323819725667	39.19716994029166
402	96	70702	-106281.1413	855097.3170250766	39.2227200491351	-101.1744796	312294.05618770584	4343745.417320813	3303.26097212847	312.91091760314067	3081.217014036356	3091.289144210196	47.87474982	37.8026110387106
403	96	70703	-105621.1413	855097.3170250766	39.22272731545516	-101.1721109	312495.1150211689	4343741.39489835	3304.42849898477	312.367622548222	3078.792678411933	3089.209863572	47.5740613128993	37.01021684473087
404	96	70704	-104961.1413	855097.3170250766	39.22273449159763	-101.1697822	312696.173652772	4343737.31858348	3302.734374253187	312.67831434235	3086.94833731827	3085.975322061775	36.7059030320387	36.7059030320387
405	96	70705	-104301.1413	855097.3170250766	39.22274162246681	-101.1674535	312897.2321097199	4343733.34939043	3301.0402594186663	310.9512523588136	3073.25202569928	3084.07829283246	47.6996266931563	36.908643028986
406	96	70706	-103641.1413	855097.3170250766	39.22274870836205	-101.1651249	313098.2903821265	4343729.327123411	3299.3451993644	312.8519728110398	3071.65172801210398	3081.470768604234	36.6794013562942	36.6794013562942
407	96	70707	-102981.1413	855097.3170250766	39.22275574927436	-101.1627962	313299.3847346676	4343725.30508278	3298.305898293163	311.5158782	3075.372237853097	3078.701638958627	40.205882281172965	36.5103357374331
408	96	70708	-102321.1413	855097.3170250766	39.2227627492706	-101.1604675	313500.4036807597	4343721.283115538	3297.30459545565	311.2108490191215	3076.07905103297	3077.920190955154	36.20684007891779	36.20684007891779
409	96	70709	-101661.1413	855097.3170250766	39.2227698293916	-101.1581388	313701.4619248453	4343717.261384861	3296.094010778874	310.2497881881147	3074.981165158243	3074.981165158243	31.418953	31.418953
410	96	70710	-101001.1413	855097.3170250766	39.2227760213147	-101.1558102	313902.5216671007	4343713.23935805	3297.1466597371	310.7602304689357	3071.59973510466	3071.050141816645	30.002713624955	36.5502164072115
411	96	70711	-100341.1413	855097.3170250766	39.22278346312386	-101.1534815	314103.57900610275	4343709.21846685	3296.78670468871	310.436584165005	3068.079432143022	3067.514845459429	30.88859392919244	37.4559166071406
412	96	70712	-99681.1413	855097.3170250766	39.22279027913622	-101.1515128	314304.6361831953	4343705.197283128	3293.45136294599	310.240431689587	3064.65112199995	3064.65112199995	37.6892123896074	38.3082072563904
413	96	70713	-99021.1413	855097.3170250766	39.222797050168595	-101.1488241	314505.6931782701	4343701.176279495	3291.1195625120663	309.728003197178	3062.0011361290904	3061.538963862464	37.886670880781	38.18606334731377
414	96	70714	-98361.1413	855097.3170250766	39.2228037622089	-101.1464584	314706.74999153335	4343697.11545766	3288.75898033664	309.7128257495204	3060.134174	3059.85193267864	36.99408391902943	37.27206427173396
415	96	70715	-97701.1413	855097.3170250766	39.22281057293916	-101.1441668	314907.806923916	4343687.134817641	3286.094010778874	309.720178738749	3058.533541814152	3058.48401075743	36.99408391902943	36.99408391902943
416	96	70716	-97041.1413	855097.3170250766	39.22281790337847	-101.1418374	315108.9817338474	4343681.11457814	3284.5619447791875	309.6146477191875	3056.451925142127	3056.451925142127	34.934899329282	34.934899329282
417	96	70717	-96381.1413	855097.3170250766	39.2228236450071	-101.1395094	315309.919442241	4343685.04080905	3282.527876011188	309.730916171722	3053.39233104065	3053.39233104065	33.8436810265374	33.8436810265374
418	96	70718	-95721.1413	855097.3170250766	39.2228302362375	-101.1371807	315510.9755303583	4343681.07396303	3280.491345497783	308.809535818503	3053.388417605967	3054.089967812766	32.91964507588312	32.91964507588312
419	96	70719	-95061.1413	855097.3170250766	39.22283673178467	-101.134852	315712.031477785	4343677.05047036	3278.5845123551176	308.428755	3052.36910967793	3052.36910967793	31.8796515996913	31.74435179665748
420	96	70720	-94401.1413	855097.3170250766	39.222843187956464	-101.1325234	315913.0781646883	4343673.03424272	3276.807375829076	308.1696547342433	3050.6302491547485	3050.701326	30.04265179494736	30.993421749373443
421	96	70721	-93741.1413	855097.3170250766	39.2228499914813	-101.1301947	316114.1427701904	4343669.014792892	3275.03024801698	307.91541280135	3048.036805515206	3047.888116836014	31.18946353114268	31.26599676552449
422	96	70722	-93081.1413	855097.3170250766	39.222856729316	-101.127893	316321.980792225	4343664.95239365	3274.215105340647	307.8451925142127	3045.277171346344	3045.277171346344	30.04265179494736	30.04265179494736
423	96	70723	-92421.1413	855097.3170250766	39.22286226595107	-101.1255373	316516.252633039	4343660.97239365	3272.886538	307.40952634880036	3044.00828189343	3044.00828189343	29.694352585927	29.694352585927
424	96	70724	-91761.1413	855097.3170250766	39.222868624229	-101.1232086	316717.3036905413	4343656.95235198	3271.035036498537	307.516287314995	3042.626971	3043.02375525784	28.96441299291517	28.55252442210854
425	96	70725	-91101.1413	855097.3170250766	39.222874749141335	-101.1208799	316918.3630963503	4343654.9334276	3274.974538147576	306.9263268801043	3040.757295811005	3040.757295811005	27.52074212080554	27.52074212080554
426	96	70726	-90401.1413	855097.3170250766	39.2228806040421	-101.1185513	317119.417473455	4343649.91772024	3276.018540226481	306.651324182889	3039.996405682696	3039.996405682696	26.55178220473323	26.55178220473323
427	96	70727	-89781.1413	855097.3170250766	39.22288712714488	-101.1162226	317320.4722121904	4343644.91	3276.030746075681	306.6307946077237	3038.9789061108913	3038.9789061108913	25.4902576594561	25.4902576594561
428	96	70728	-89121.1413	855097.3170250766	39.22289321804536	-101.1138839	317521.5260159237	4343640.88303567	3271.237408958767	306.515168553797	3035.2637619	3037.154529	26.2532494059516	26.2532494059516
429	96	70729	-88461.1413	855097.3170250766	39.2228998927	-101.1116652	317726.60197564	4343638.44445454	3270.2471777115455	306.43898274455	3034.789637457924	3034.789637457924	25.0293747098426	25.0293747098426
430	96	70730	-87801.1413	855097.3170250766	39.22290528	-101.1092365	317923.643543809	4343632.847026085	3264.166175	306.56457455217677	3033.7630742139	3034.119431786063	24.38120710962874	24.38120710962874
431	96	70731	-87141.1413	855097.3170250766	39.22291123715536	-101.1069078	318124.6883	4343629.829293901	3260.580133125907					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	LatHtKgr.ft	SurfHtKgr.ft	
503	96	70813	-13201.14133	85509.7	3120250766	39.223240702443784	-100.9159545	334610.508986258	4323299.992704078	114.845172759977	2872.4212132657894	2872.238015575988	2871.9598007089216	71.18319768890155	71.46141256
514	96	70814	-13261.14133	85509.7	3120250766	39.22324920434422	-100.9139258	334811.5486530097	4323496.990022296	113.7437590635263	2942.8304263099252	2942.703936583283	2942.703936583283	71.2198117172893	71.46141256
515	96	70815	-13701.14133	85509.7	3120250766	39.22325143469714	-100.9139258	334812.588146026794	432391.9752161	113.853178901962	2942.280439151876	2942.280439151876	2942.280439151876	71.2198117172893	71.46141256
516	96	70816	-14041.14133	85509.7	3120250766	39.2232535149633	-100.9098984	335217.6274846046	432387.952010873	113.732099845152	2942.63024707729	2942.63024707729	2942.63024707729	71.2198117172893	71.46141256
517	96	70817	-13081.14133	85509.7	3120250766	39.22325564525204	-100.9063637	335414.666662281	432383.983062832	113.493838172292	2941.039383889624	2941.039383889624	2941.039383889624	71.2198117172893	71.46141256
518	96	70818	-29721.14133	85509.7	3120250766	39.22325756826267	-100.904311	335615.7059133246	432391.9752161	113.853178901962	2940.4377961307832	2940.4377961307832	2940.4377961307832	71.2198117172893	71.46141256
519	96	70819	-29601.14133	85509.7	3120250766	39.223259695720756	-100.9019823	335818.7445541329	432395.979320083	113.9422855412303	2939.835108198523	2939.835108198523	2939.835108198523	71.2198117172893	71.46141256
520	96	70820	-28401.14133	85509.7	3120250766	39.22326158333745	-100.8996356	336017.7825626359	432371.97732008	113.853178901962	2938.232056674853	2938.232056674853	2938.232056674853	71.2198117172893	71.46141256
521	96	70821	-27741.14133	85509.7	3120250766	39.22326356695681	-100.8973248	336219.8472414231	432371.97732008	113.853178901962	2937.841416898261	2937.841416898261	2937.841416898261	71.2198117172893	71.46141256
522	96	70822	-27081.14133	85509.7	3120250766	39.2232653511899	-100.8949961	336419.86018273333	432371.97732008	113.853178901962	2936.028407522741	2936.028407522741	2936.028407522741	71.2198117172893	71.46141256
523	96	70823	-26421.14133	85509.7	3120250766	39.22326726	-100.8926674	336620.8984043486	432359.97402952	113.70534690310448	2937.491812413823	2937.491812413823	2937.491812413823	71.2198117172893	71.46141256
524	96	70824	-25761.14133	85509.7	3120250766	39.22326904	-100.8903387	336821.9364076787	432359.97402952	113.70534690310448	2936.81946091766	2936.81946091766	2936.81946091766	71.2198117172893	71.46141256
525	96	70825	-25011.14133	85509.7	3120250766	39.2232707696488	-100.88801	337022.9745793446	432359.97402952	113.70534690310448	2936.236277343632	2936.236277343632	2936.236277343632	71.2198117172893	71.46141256
526	96	70826	-24441.14133	85509.7	3120250766	39.22327451971234	-100.8856183	337224.740539121	432347.971955365	113.60144005242002	2935.640328340286	2935.640328340286	2935.640328340286	71.2198117172893	71.46141256
527	96	70827	-23781.14133	85509.7	3120250766	39.223277401115879	-100.8835238	337425.4049	432343.971955365	113.60144005242002	2935.0426534267	2935.0426534267	2935.0426534267	71.2198117172893	71.46141256
528	96	70828	-23121.14133	85509.7	3120250766	39.22327769943384	-100.8810239	337626.071302628	432339.971955365	113.60144005242002	2934.4047767190827	2934.4047767190827	2934.4047767190827	71.2198117172893	71.46141256
529	96	70829	-22661.14133	85509.7	3120250766	39.2232775270899	-100.8786952	337827.1244102404	432331.972	113.60144005242002	2933.801713652926	2933.801713652926	2933.801713652926	71.2198117172893	71.46141256
530	96	70830	-21801.14133	85509.7	3120250766	39.223277671012686	-100.8763665	338028.161523172	432331.972	113.60144005242002	2933.207612748303	2933.207612748303	2933.207612748303	71.2198117172893	71.46141256
531	96	70831	-21211.14133	85509.7	3120250766	39.2232802433338	-100.8740377	338229.1847284295	432327.972115891	113.60144005242002	2932.569652955161	2932.569652955161	2932.569652955161	71.2198117172893	71.46141256
532	96	70832	-20481.14133	85509.7	3120250766	39.2232816426715	-100.871709	338430.2352756802	432327.972115891	113.60144005242002	2931.9103477410187	2931.9103477410187	2931.9103477410187	71.2198117172893	71.46141256
533	96	70833	-19821.14133	85509.7	3120250766	39.22328301603798	-100.8693803	338631.2719156706	432319.974346058	113.60144005242002	2931.23272647941	2931.23272647941	2931.23272647941	71.2198117172893	71.46141256
534	96	70834	-19161.14133	85509.7	3120250766	39.22328434411784	-100.867016	338832.3035962444	432315.974346058	113.60144005242002	2930.5704242484	2930.5704242484	2930.5704242484	71.2198117172893	71.46141256
535	96	70835	-18501.14133	85509.7	3120250766	39.2232857267167	-100.864729	339033.330261734	432311.974346058	113.60144005242002	2929.843823224	2929.843823224	2929.843823224	71.2198117172893	71.46141256
536	96	70836	-17841.14133	85509.7	3120250766	39.2232869623466	-100.8623492	339234.380930336	432307.97679474	113.60144005242002	2929.152713851243	2929.152713851243	2929.152713851243	71.2198117172893	71.46141256
537	96	70837	-17181.14133	85509.7	3120250766	39.223288059671674	-100.8600655	339435.416905308	432303.97827623	113.60144005242002	2928.417797064084	2928.417797064084	2928.417797064084	71.2198117172893	71.46141256
538	96	70838	-16521.14133	85509.7	3120250766	39.2232892012767	-100.8577368	339635.452761163	432307.97679474	113.60144005242002	2927.702181980783	2927.702181980783	2927.702181980783	71.2198117172893	71.46141256
539	96	70839	-15861.14133	85509.7	3120250766	39.22329031160296	-100.8554081	339837.488408027	432319.974346058	113.60144005242002	2926.974911761015	2926.974911761015	2926.974911761015	71.2198117172893	71.46141256
540	96	70840	-15201.14133	85509.7	3120250766	39.22329137	-100.8530974	340038.52400443685	432319.974346058	113.60144005242002	2926.2490764344	2926.2490764344	2926.2490764344	71.2198117172893	71.46141256
541	96	70841	-14541.14133	85509.7	3120250766	39.2232926330987	-100.8507914	340239.562932655	432319.974346058	113.60144005242002	2925.524681773474	2925.524681773474	2925.524681773474	71.2198117172893	71.46141256
542	96	70842	-13881.14133	85509.7	3120250766	39.22329405424972	-100.8484912	340440.59424972	432315.974346058	113.60144005242002	2924.794911761015	2924.794911761015	2924.794911761015	71.2198117172893	71.46141256
543	96	70843	-13221.14133	85509.7	3120250766	39.2232947569314	-100.8460932	340641.629701327	432319.974346058	113.60144005242002	2924.061378166923	2924.061378166923	2924.061378166923	71.2198117172893	71.46141256
544	96	70844	-12561.14133	85509.7	3120250766	39.22329515426334	-100.8437465	340842.664239807	432319.974346058	113.60144005242002	2923.32697401326	2923.32697401326	2923.32697401326	71.2198117172893	71.46141256
545	96	70845	-11901.14133	85509.7	3120250766	39.2232959857289	-100.841358	341043.69948576	432319.974346058	113.60144005242002	2922.59388259291	2922.59388259291	2922.59388259291	71.2198117172893	71.46141256
546	96	70846	-11241.14133	85509.7	3120250766	39.22329678	-100.8391071	341244.23410146235	432319.974346058	113.60144005242002	2921.86477049348	2921.86477049348	2921.86477049348	71.2198117172893	71.46141256
547	96	70847	-10581.14133	85509.7	3120250766	39.22329752008299	-100.8367874	341445.768587005	432319.974346058	113.60144005242002	2921.1359705103216	2921.1359705103216	2921.1359705103216	71.2198117172893	71.46141256
548	96	70848	-9921.14133	85509.7	3120250766	39.22329827124505	-100.8344487	341646.820817089	432319.974346058	113.60144005242002	2920.40820282474	2920.40820282474	2920.40820282474	71.2198117172893	71.46141256
549	96	70849	-9261.14133	85509.7	3120250766	39.223298723974	-100.832121	341847.8370104821	432319.974346058	113.60144005242002	2919.673491418043	2919.673491418043	2919.673491418043	71.2198117172893	71.46141256
550	96	70850	-8601.14133	85509.7	3120250766	39.223299481083964	-100.8297922	342048.8710052945	432319.974346058	113.60144005242002	2918.943213851243	2918.943213851243	2918.943213851243	71.2198117172893	71.46141256
551	96	70851	-7941.14133	85509.7	3120250766	39.22330004478724	-100.8274635	342249.90484635107	432319.974346058	113.60144005242002	2918.21177064084	2918.21177064084	2918.21177064084	71.2198117172893	71.46141256
552	96	70852	-7281.14133	85509.7	3120250766	39.22330056359571	-100.8251348	342450.938	432319.974346058	113.60144005242002	2917.4818263171197	2917.4818263171197	2917.4818263171197	71.2198117172893	71.46141256
553	96	70853	-6621.14133	85509.7	3120250766	39.2233013725077	-100.8228061	342659.972080136	432319.974346058	113.60144005242002	2916.753491418043	2916.753491418043	2916.753491418043	71.2198117172893	71.46141256
554	96	70854	-5961.14133	85509.7	3120250766	39.22330146601107	-100.8204774	342863.054	432319.974346058	113.60144005242002	2916.02490764344	2916.02490764344	2916.02490764344	71.2198117172893	71.46141256
555	96	70855	-5301.14133	85509.7	3120250766	39.2233021871093	-100.8181472	343064.03811093	432319.974346058	113.60144005242002	2915.294911761015	2915.294911761015	2915.294911761015	71.2198117172893	71.46141256
556	96	70856	-4641.14133	85509.7	3120250766	39.2233021871093	-100.815812	343265.017524566	432319.974346058	113.60144005242002	2914.564911761015	2914.564911761015	2914.564911761015	71.2198117172893	71.46141256
557	96	70857	-3981.14133	85509.7	3120250766	39.2233024405988	-100.8134913	343466.104675276							

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfLen.	W.Lt.	BRiEveLogskg.r	BRiEveBothkg.r	SatHkLogskg.r	SatHkBothkg.r
639	70939	50136.85867307335	855097.3170250766	39.22317350521351	-00.6225371	359940.3050009035	3427379.077296557	2916.723426274329	2726.015347176189	2740.188445383988	40.1730709419386	25.9972772944112
640	70940	50137.85867307335	855097.3170250766	39.22317006561451	-00.620284	360141.3259761024	3427379.07939967	2764.601527366037	2725.220140708337	2735.871027083371	39.3813817304028	28.73050027667943
641	70941	50138.85867307335	855097.3170250766	39.2231659181034754	-00.617897	361262.3468177923	3427378.117587297	2907.8892562671048	2724.426389642784	2732.284276074453	39.380769677284	30.79918158303154
642	70942	50139.85867307335	855097.3170250766	39.223163051474229	-00.615584	360534.1635214549	3427378.130025196	2903.4725580712455	2729.2284197323083	2739.8329118120025	32.2220930643645	
643	70943	50140.85867307335	855097.3170250766	39.223159476953084	-00.6132223	360744.380953571	3427378.158597227	2896.42407920611	2729.880924202527	2722.968985770316	39.118384322566	34.0235146470113
644	70944	50141.85867307335	855097.3170250766	39.22315681471116	-00.6108936	360945.4085318373	3427378.173276214	2895.733589	2758.31302538301	2722.506361385672	39.07126409240	34.13266484
645	70945	50142.85867307335	855097.3170250766	39.22315219	-00.6085649	361146.4490018282	3427378.1902327471	2892.046087228095	2756.748818088229	2722.7107349058783	39.038016235063	33.51973524969146
646	70946	50143.85867307335	855097.3170250766	39.2231483425156	-00.6062362	361347.4289015623	3427378.211	2888.3598058438	2755.1851550115084	2723.998403811661	37.156371953381	32.00599181312737
647	70947	50144.85867307335	855097.3170250766	39.223144289160475	-00.6038975	361548.49935314036	3427378.24277681	2884.925142084763	2753.925738311614	2725.987197936969	37.2425857794487	30.03580769410947
648	70948	50145.85867307335	855097.3170250766	39.22314052951633	-00.601578	361749.4883481836	3427378.2625414	2881.745705864713	2752.601591053763	2724.019374781183	37.2284211556425	23.9595672419337
649	70949	50146.85867307335	855097.3170250766	39.2231370850908	-00.5992501	361950.508700792	3427378.282542242	2878.56512698383	2750.5042349286306	2728.796345	37.2544058537199	20.7078963963379
650	70950	50147.85867307335	855097.3170250766	39.2231331956847	-00.5969214	362151.528332881	3427378.307994939	2875.384834029935	2748.96176844468	2730.6630242554725	37.25264802832737	18.2922558895325
651	70951	50148.85867307335	855097.3170250766	39.22312926129799	-00.5945927	362352.5478324912	3427378.329338283	2873.062564226233	2747.4180268146063	2727.0844523332808	37.2614116779002	23.6996151325593
652	70952	50149.85867307335	855097.3170250766	39.223125281930514	-00.592264	362553.5671986103	3427378.352047093	2871.598706804932	2745.890230498397	2727.3989820081937	37.271533476	23.4912484090271
653	70953	50150.85867307335	855097.3170250766	39.22312125756239	-00.5899353	362754.5864318515	3427378.374446695	2869.1347679593874	2744.373623	2718.3200068113365	37.28346446805007	26.0359615117873
654	70954	50151.85867307335	855097.3170250766	39.22311718253624	-00.5876066	362955.6055324202	3427378.397013987	2868.670289015434	2742.86020371808	2727.41203021150287	37.29814979	26.638910921521074
655	70955	50152.85867307335	855097.3170250766	39.22311307	-00.5852779	363156.6245006232	3427378.419769858	2867.641573861396	2741.37471926082	2730.1113301	37.30588075294015	27.34712160951867
656	70956	50153.85867307335	855097.3170250766	39.22310914654155	-00.5829492	363357.6433363575	3427378.424699085	2867.641573861396	2739.8993119648185	2706.2002995346	37.303225555629	33.69290211354626
657	70957	50154.85867307335	855097.3170250766	39.2231074038348	-00.5806205	363558.6620401355	3427378.445812471	2866.453171176765	2738.452376326475	2701.778864013275	36.9564213374723	38.8690176419435
658	70958	50155.85867307335	855097.3170250766	39.22310461113284	-00.5782918	363759.6860120577	3427378.46194782	2865.98519734546	2736.98572266144	2698.3065232548306	36.96341764734255	38.919946304315
659	70959	50156.85867307335	855097.3170250766	39.2231006690202	-00.5759631	363960.6995052384	3427378.471557898	2864.252170159224	2735.5507941157	2695.600345127567	36.984109211338564	37.99127125963704
660	70960	50157.85867307335	855097.3170250766	39.22309716787748	-00.5736344	364161.7173611595	3427378.483526744	2861.632482	2734.1304745991487	2692.311711103895	36.985407280597	42.6901431685274
661	70961	50158.85867307335	855097.3170250766	39.2230934344585	-00.5713027	364362.7808745431	3427378.495493744	2859.421780198354	2732.925717486544	2689.421780198354	37.00021798354	42.6901431685274
662	70962	50159.85867307335	855097.3170250766	39.2230891423098	-00.568977	364563.7535529296	3427378.50754851827	2856.393057678623	2731.3332801560296	2687.2571075233354	37.002452236314	40.036173269416
663	70963	50160.85867307335	855097.3170250766	39.22307854016668	-00.5666483	364764.7715011038	3427378.5180626235	2853.687129912616	2729.953176347073	2685.1668961100138	36.85606317852	44.8875732294539
664	70964	50161.85867307335	855097.3170250766	39.22307401201384	-00.5643196	364965.782961024	342697.63233447	2847.894603137974	2728.5821662580324	2683.05404089294	36.83751231966735	45.52614538738314
665	70965	50162.85867307335	855097.3170250766	39.2230695691644	-00.5619899	365166.8086047765	342697.6358178375	2843.1025981533794	2727.218421134239	2680.964969	36.81122263408562	46.254302522931
666	70966	50163.85867307335	855097.3170250766	39.22306487482049	-00.5596622	365367.8244652304	342697.6381913848	2838.3103322898612	2726.163785176	2679.15597252982	36.78716027040335	46.7052405989376
667	70967	50164.85867307335	855097.3170250766	39.22306018374389	-00.5573373	365568.8416598715	342697.640695043	2834.4531839495478	2725.80834361675	2677.253653619887	36.7471648155817	47.161825968524
668	70968	50165.85867307335	855097.3170250766	39.22305544948696	-00.5550048	365769.8591243038	342697.6431913848	2831.5071583305723	2724.654717470544	2676.465417152464	36.717793302273	48.7533185046428
669	70969	50166.85867307335	855097.3170250766	39.2230505649385	-00.5526761	365970.876255933	342697.647182138	2828.559122	2723.82173	2675.523861659383	36.7272904251758373	48.2963418071676
670	70970	50167.85867307335	855097.3170250766	39.223046131286	-00.5503474	366171.8932649619	342697.650778573	2825.617089892437	2720.483959516436	2671.8208199150886	36.6987600472443	45.6413396
671	70971	50168.85867307335	855097.3170250766	39.22304112763272	-00.5480187	366372.9101413976	342697.6540829527	2824.333431220926	2719.4908653444	2671.60022761835	36.68448598414718	47.54847409196054
672	70972	50169.85867307335	855097.3170250766	39.22303642965361	-00.54569	366579.9268888436	342697.6576027655	2824.703945142992	2717.810753743382	2673.442672474906	36.7432429367603	49.438134086396189
673	70973	50170.85867307335	855097.3170250766	39.22303132491804	-00.5433814	366774.9430734303	342697.66005528	2825.015500760525	2716.4835447487	2679.055170572973	36.75945644387743	40.4220871855245
674	70974	50171.85867307335	855097.3170250766	39.22302635715114	-00.541027	366975.960537103	342697.66248175	2822.465413467107	2715.15011467107	2677.253653619887	36.7471648155817	47.161825968524
675	70975	50172.85867307335	855097.3170250766	39.22302138183095	-00.538704	367174.967452156	342697.66495126	2820.151153305737	2713.8149189105920	2680.110828917247	36.75279718821307	49.438134086396189
676	70976	50173.85867307335	855097.3170250766	39.22301628292926	-00.5363753	367377.99262749	342697.6679349474	2824.333431220926	2712.473226373264	2680.85031955514	36.76219636490291	31.62249051177024
677	70977	50174.85867307335	855097.3170250766	39.22301171904487	-00.5340466	367579.08079831763	342697.67056799507	2821.617089892437	2720.483959516436	2671.8208199150886	36.6987600472443	45.6413396
678	70978	50175.85867307335	855097.3170250766	39.22300630186546	-00.5317179	367780.0247671227	342697.67321908	2822.559201330408	2719.768118900494	2677.253653619887	36.717793302273	38.0024627362732
679	70979	50176.85867307335	855097.3170250766	39.22300183644205	-00.5293982	367981.0406263714	342697.67591975028	2823.479231123078	2708.3984752849264	2675.507840865391	36.6801040999073	32.88996416833561
680	70980	50177.85867307335	855097.3170250766	39.2229958752146	-00.5270005	368182.056426716	342697.6784095043	2826.126215641598	2707.45122124234	2672.06291027383	36.683473791035	34.94710956455574
681	70981	50178.85867307335	855097.3170250766	39.22299087178254	-00.524648	368383.08451524	342697.680904717	2824.333431220926	2706.465417152464	2675.507840865391	36.717793302273	38.0024627362732
682	70982	50179.85867307335	855097.3170250766	39.22298498493106	-00.5224031	368584.0841381974	342697.683421023	2821.617089892437	2704.718265057167	2673.442672474906	36.7432429367603	49.438134086396189
683	70983	50180.85867307335	855097.3170250766	39.22297961117071	-00.5200744	368785.1027558464	342697.6859221986353	2821.617089892437	2702.725754908887	2665.589475883675	36.726223101	37.136279015119726
684	70984	50181.85867307335	855097.3170250766	39.22297419242635	-00.5177457	368986.117971415	342697.688421769425	2821.617089892437	2701.249424161926	2664.8411155	36.7203050955154	36.7432429367603
685	70985	50182.85867307335	855097.3170250766	39.2229687280161	-00.515417	369187.1330606199	342697.6914818	2821.617089892437	2700.483959516436	2664.217441103293	36.72622396302275	37.136279015119726
686	70986	50183.85867307335	855097.3170250766	39.22296331999562	-00.5130884	369389.1408236913	342697.69402123374	2821.617089892437	2700.483959516436	2664.217441103293	36.72622396302275	37.136279015119726
687	70987	50184.85867307335	855097.3170250766	39.222958766631106	-00.5107597	369589.1629	342697.69652735152					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Ln.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtElevKgr.ft	SatHtBoth.ft	
25	97	71065	-35501.1413	855757.3170250766	39.2186056933245	-102.05232225	236484.0322045554	3454376.344005785	3994.2007653965547	3734.2915233668233	3712.206214223358	3712.7022547053307	88.02853094446784	81.58926896290222
26	97	71066	-35444.1413	855757.3170250766	39.21862979647073	-102.049934	236865.1747579948	3454472.018157198	3991.0408593927864	3734.2714719	3711.9104772433737	3711.9104772433737	81.10664315732765	80.50694280305448
27	97	71067	-35381.1413	855757.3170250766	39.21863919629137	-102.047668	236866.1716502367	3454468.159816848	3988.13840485163	3734.30198166072	3710.911562118157	3710.911562118157	80.137919102686	79.63861696346305
28	97	71068	-35321.1413	855757.3170250766	39.2186700553761	-102.045374	237067.4509811623	3454502.607993332	3985.4827696810036	3734.329077431345	3710.430277367426	3710.430277367426	81.10663111043318	78.18668109
29	97	71069	-35261.1413	855757.3170250766	39.2187024086613	-102.043009	237288.0065220966	3454549.67366842	3982.830768744046	3734.35940072716	3708.4376323736253	3709.4376323736253	81.10663111043318	77.28405583251843
30	97	71070	-35180.1413	855757.3170250766	39.21872604532465	-102.040687	237489.7426235454	3454585.848919174	3980.1785560776057	3734.388227880758	3706.053281810579	3710.294874749654	78.355454749654	74.57904440093764
31	97	71071	-35114.1413	855757.3170250766	39.2187499672498	-102.038323	237690.88371195103	3454551.793652433	3977.615061851291	3734.41731190155	3705.133500393445	3707.133500393445	81.11560502367902	77.90144688
32	97	71072	-35048.1413	855757.3170250766	39.2187739494333	-102.036024	237892.0427101521	3454547.207526328	3975.140172427398	3734.4470106455	3696.7677431870584	3697.262517379808	84.13632391393655	73.5415293064818
33	97	71073	-34982.1413	855757.3170250766	39.2187977629153	-102.033866	238093.1654117857	3454548.159816848	3969.665156262629	3734.476418725582	3696.7677431870584	3697.262517379808	83.291033818157	73.5415293064818
34	97	71074	-34916.1413	855757.3170250766	39.21881254465606	-102.031372	238254.205911085	3454539.521	3970.1919801371	3734.5061851291	3696.7677431870584	3697.262517379808	81.55426294980732	73.5415293064818
35	97	71075	-34850.1413	855757.3170250766	39.21884537077285	-102.0290389	238495.448115202	3454534.45040682	3967.0899762626	3734.537007451336724	3696.7677431870584	3697.262517379808	83.291033818157	73.5415293064818
36	97	71076	-34784.1413	855757.3170250766	39.21886905451476	-102.0267105	238696.556626218	3454531.340111974	3963.364497454951	3734.5670391873206	3696.0580312144016	3695.83177530271	75.9165701799976	74.57904440093764
37	97	71077	-34718.1413	855757.3170250766	39.21889276698194	-102.024321	238897.725642051	3454427.25	3959.639152807373	3734.5970391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
38	97	71078	-34652.1413	855757.3170250766	39.2189164047872	-102.0220537	239098.8615717153	345423.16	3955.9132019013	3734.6270391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
39	97	71079	-34586.1413	855757.3170250766	39.21893999705094	-102.0197254	239300.0406211663	345419.070203922	3952.476362910844	3734.6570391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
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41	97	71081	-34454.1413	855757.3170250766	39.21898704714642	-102.015068	239702.28193565506	345410.89189898	3946.188644	3734.7170391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
42	97	71082	-34388.1413	855757.3170250766	39.219010504761314	-102.0127402	239903.2403352036	345405.80195651	3943.0437512297	3734.7470391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
43	97	71083	-34322.1413	855757.3170250766	39.219033917405575	-102.0104119	240104.558476773	345402.712913034	3940.289704748885	3734.7770391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
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46	97	71086	-34124.1413	855757.3170250766	39.21910338	-102.0034267	240719.97135670783	345390.34884518	3933.200336	3734.8670391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
47	97	71087	-34058.1413	855757.3170250766	39.21912618570596	-101.991292	240924.676247457	345385.58277768	3930.552474894239	3734.8970391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
48	97	71088	-33992.1413	855757.3170250766	39.219153006652	-101.986769	241110.24532431562	345382.27045719	3927.902565107	3734.9270391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
49	97	71089	-33926.1413	855757.3170250766	39.2191734488632	-101.984415	241311.381923057	345378.182518362	3925.19091261902	3734.9570391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
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53	97	71093	-33662.1413	855757.3170250766	39.21926557045696	-101.987128	242115.252949684	345361.83615725	3913.521284	3735.0770391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
54	97	71094	-33596.1413	855757.3170250766	39.21928849842098	-101.984794	242317.017430009	345357.74501731	3910.5114582992	3735.1070391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
55	97	71095	-33530.1413	855757.3170250766	39.21931031614675	-101.982472	242518.19613749455	345353.659	3908.357062463858	3735.1370391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
56	97	71096	-33464.1413	855757.3170250766	39.2193341843725	-101.9801428	242719.3189458187	345349.152712993	3907.048942793025	3735.1670391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
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63	97	71103	-33002.1413	855757.3170250766	39.2194927369923	-101.9638439	244127.2674728622	345320.9704337	3892.3512345694	3735.3770391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
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65	97	71105	-32870.1413	855757.3170250766	39.219537371931174	-101.9591871	244529.336769578	345312.80063373	3887.785	3735.4370391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
66	97	71106	-32804.1413	855757.3170250766	39.21955969279628	-101.956887	244730.6653417172	345308.715347763	3885.485434	3735.4670391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
67	97	71107	-32738.1413	855757.3170250766	39.21958193519206	-101.954597	244931.9876247457	345304.72819278	3883.58171657178	3735.4970391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
68	97	71108	-32672.1413	855757.3170250766	39.21960451794208	-101.952219	245132.928989577	345300.547	3881.675455432	3735.5270391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
69	97	71109	-32606.1413	855757.3170250766	39.219626861335676	-101.9498734	245334.30061894166	345296.46253342	3880.90534317273	3735.5570391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
70	97	71110	-32540.1413	855757.3170250766	39.2196496	-101.947545	245535.19157559186	345292.37849564	3878.53728219233	3735.5870391873206	3695.3318269658	3696.4922268734	76.694701	74.57904440093764
71	97													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThsKrg.ft	SatThsBoth.ft
151	97	71191	-217941.1413	855757.3170250766	39.2212977703848	-101.7589385	261826.0041850748	434962.18154193	3708.296848493322	3569.0768361696937	3522.624503540568	3538.5519007512553	45.45233262	30.524395341848417
152	97	71192	-217281.1413	855757.3170250766	39.22131626764116	-101.75661	262027.11568205047	434958.112903529	3706.96296343677	3567.4693566204313	3525.449775727325	3539.449775727325	40.01957704770484	30.367185663623944
153	97	71193	-216621.1413	855757.3170250766	39.221344602539884	-101.7640310	262220.2267100046	434954.014	3705.6692969750114	3565.930898922105	3523.611821223116	3535.5116974674984	37.1988486093442	30.277799424712157
154	97	71194	-269961.1413	855757.3170250766	39.22133317392161	-101.751963	262429.3370354476	434951.97554115	3704.351933153963	3564.102368342445	3532.074719077548	3533.795130143282	30.270427069575	30.33728040462232
155	97	71195	-269301.1413	855757.3170250766	39.2213715499393	-101.7496244	262630.4480617015	434945.9075515545	3701.6431368040505	3562.36097683456	3533.4818214465217	3533.419847	28.87127621283388	28.93325069916179
156	97	71196	-268641.1413	855757.3170250766	39.2213898030198	-101.7472959	262831.5583582639	434941.83804544	3697.53883830225	3560.566758520652	3530.962545547983	3531.36126426938	29.60420352669195	29.0053720931796
157	97	71197	-267981.1413	855757.3170250766	39.22140816029555	-101.7449674	263032.6684743387	434937.77009693	3693.422680589974	3558.48219662264	3528.062993	3528.42219662264	28.6626626253906	28.3260273393496
158	97	71198	-267321.1413	855757.3170250766	39.22142640678197	-101.742638	263233.7783291377	434933.703006735	3688.312452899977	3556.802025361043	3525.44359520611	3525.537598535308	31.46846604432382	31.36826682734736
159	97	71199	-266661.1413	855757.3170250766	39.22144462559264	-101.7403103	263434.8874989876	434929.33899762	3685.192228920497	3552.763830949413	3523.613823170945	3520.74826469095	32.51850170771843	32.483667453314
160	97	71200	-266001.1413	855757.3170250766	39.22146275377035	-101.737918	263635.243974368525	434925.56719854	3682.9388897907	3551.43262878904	3519.31505359704	3517.95846589302	33.8291751923264	33.180538300002
161	97	71201	-265341.1413	855757.3170250766	39.22148095917186	-101.7356532	263837.1065898768	434921.500623524	3676.7211938834033	3551.241392050651	3515.218613377564	3515.674807677304	30.0227952808705	35.3658522294416
162	97	71202	-264681.1413	855757.3170250766	39.2214989204875	-101.7332247	264038.2515096085	434917.43312283	3672.50759	3549.234809935874	3510.088171139881	3510.25284806377	29.23663845370629	39.0719255280814
163	97	71203	-264021.1413	855757.3170250766	39.221516935925024	-101.7309961	264239.3241960806	434913.366584946	3667.742948071159	3547.396511511238	3503.138647080545	3503.746803628327	24.25787036178281	43.649707522705285
164	97	71204	-263361.1413	855757.3170250766	39.2215340682599	-101.7286676	264440.4324965165	434909.299841508	3662.42796	3545.487064274544	3493.52267211959536	3494.662608970628	51.336034035619075	50.79609745412654
165	97	71205	-262701.1413	855757.3170250766	39.22155283275153	-101.7263391	264641.54067010236	434905.32819953	3657.112948050007	3543.531459720938	3490.5489191835213	3480.097269101963	62.46526478857474	63.41588006
166	97	71206	-262041.1413	855757.3170250766	39.22157071301714	-101.7240105	264842.54885805035	434901.166006289	3651.797853178225	3541.560511851009	3478.068148634897	3478.432675084817	63.4923621251257	63.12783676327
167	97	71207	-261381.1413	855757.3170250766	39.22158854967648	-101.721862	265043.7566135658	434897.1007144945	3648.019840580503	3539.8020038726715	3483.6660925961323	3485.447432908823	55.9359112763917	54.15454703684853
168	97	71208	-260721.1413	855757.3170250766	39.22160634067577	-101.7193534	265244.8641368515	434893.034706568	3645.779196729724	3538.673626547685	3487.425730323836	3489.00546536968	50.272327238241	47.5318618900136
169	97	71209	-260061.1413	855757.3170250766	39.221624068699535	-101.7170249	265445.9741281156	434888.96882501	3643.538412974348	3535.701373030063	3490.328688852407	3496.348641641856	45.27866124776569	39.32313471682073
170	97	71210	-259401.1413	855757.3170250766	39.22164179	-101.7146963	265647.07848756015	434884.930232292	3641.2979291904	3533.7014471416182	3492.5724072798043	3500.3621010293764	41.1290396181391	33.339346112241856
171	97	71211	-258741.1413	855757.3170250766	39.2216594382047	-101.7123678	265848.1853159256	434880.673789524	3640.8601098011695	3531.729245	3494.1454506141417	3503.6033603194616	37.58379426914826	28.075884562828367
172	97	71212	-258081.1413	855757.3170250766	39.22167764917303	-101.7100392	266049.3316240691	434876.72513393	3635.225847207656	3529.76734739146	3495.33543334354	3506.315404734367	34.36328139971056	23.440794004779036
173	97	71213	-257421.1413	855757.3170250766	39.22169587438976	-101.7077484	266249.7807730383	434872.872464348	3631.164574048335	3522.27787039897	3494.12232696907	3494.12232696907	41.5468370379194	41.5468370379194
174	97	71214	-256761.1413	855757.3170250766	39.22171214218474	-101.7053281	266451.5044112635	434868.642519829	3665.954733309303	3525.80775595896	3506.546638024958	3506.1151363894	29.2931371024337	19.69526195703834
175	97	71215	-256101.1413	855757.3170250766	39.221729618354814	-101.7030356	266652.6103146575	434864.577798714	3670.561583231189	3523.8353602517495	3496.243166126394	3504.74536254018387	25.9294712555449	16.358918449912837
176	97	71216	-255441.1413	855757.3170250766	39.22174059494918	-101.700725	266853.7159875397	434860.513261537	3672.404356581174	3521.860546758076	3496.2191656681844	3514.150618191389	25.641380762324	7.70973018418731
177	97	71217	-254781.1413	855757.3170250766	39.2217644357675	-101.6983956	267054.821430091	434856.48809008	3665.885786195148	3519.885876195148	3496.934011521915	3505.155491198506	22.9516864672322	33.434876534471585
178	97	71218	-254121.1413	855757.3170250766	39.22178177701032	-101.6960679	267255.9266428764	434852.348734855	3667.087895	3519.173420654584	3496.8291315569277	3517.5389225808985	21.08428909765871	0.3744860733878404
179	97	71219	-253461.1413	855757.3170250766	39.2218009327748	-101.6937894	267457.8927677446	434849.577397103	3667.348839454	3518.94876944522	3496.6584074522	3517.934867447474	19.27866027927927	19.27866027927927
180	97	71220	-252801.1413	855757.3170250766	39.2218192454686	-101.6914108	267649.425454686	434844.256950519	3667.0609727197356	3518.97745456811	3496.462594450326	3518.1458465610742	17.5148845610742	17.5148845610742
181	97	71221	-252141.1413	855757.3170250766	39.2218353088372	-101.6890822	267859.2400012873	434840.193332229	3677.573874869203	3512.013951780859	3496.23279902039	3519.240056545212	17.6115274859316	17.6115274859316
182	97	71222	-251481.1413	855757.3170250766	39.22185062222986	-101.6867537	268060.3451937533	434836.129897701	3678.481065791213	3510.45418666205	3494.450219196114	3516.352304948877	15.50839474995318	0
183	97	71223	-250821.1413	855757.3170250766	39.22186780858628	-101.6844251	268261.449258228	434832.0664632	3680.024694	3508.1007436393324	3494.168963365867	3517.228083	13.297780252745739	0
184	97	71224	-250161.1413	855757.3170250766	39.22188487997365	-101.6820966	268462.5530937591	434828.063079914	3680.4062819319115	3506.153314	3493.85521864444	3517.741485917483	12.93791791285817	0
185	97	71225	-249501.1413	855757.3170250766	39.2219019638483	-101.67978	268663.6560504464	434824.306096642	3680.7896913372	3504.21474931748	3495.847400065458	3516.80224844815083	10.71474952536144	0
186	97	71226	-248841.1413	855757.3170250766	39.22191887826204	-101.6774584	268864.7807730383	434819.577397103	3681.164574048335	3502.27787039897	3494.12232696907	3509.911717769571	9.15468370379194	0
187	97	71227	-248181.1413	855757.3170250766	39.22193582427917	-101.6751109	269065.8632	434815.815	3680.9184288116755	3500.5612014124126	3492.640329112111	3507.78427797487	7.710889501201427	0
188	97	71228	-247521.1413	855757.3170250766	39.22195271576218	-101.6727823	269266.9651500477	434811.75149234	3680.034767388977	3498.432192136761	3491.793527350585	3512.97931634484	6.33966746175923	0
189	97	71229	-246861.1413	855757.3170250766	39.22196956288995	-101.6704537	269468.0688443744	434807.691000871	3679.15112646617	3496.520901827527	3493.4110756318414	3515.285898152695	5.106926196	0
190	97	71230	-246201.1413	855757.3170250766	39.22198636739965	-101.6681252	269669.1715102676	434803.629306221	3678.67476293344	3494.617402124965	3492.540652294015	3514.064108515085	2.933368395563425	0
191	97	71231	-245541.1413	855757.3170250766	39.222003120354074	-101.6657966	269860.2735	434799.6548775907	3679.624384775907	3492.719602597393	3491.613293329724	3512.4274692597393	1.0033960601334007	0
192	97	71232	-244881.1413	855757.3170250766	39.22201981932277	-101.66348	27001.3755050861	434795.50568501	3674.1650022113607	3490.8254375437894	3490.699105054708	3510.8296565273986	1.026270190783158	0
193	97	71233	-244221.1413	855757.3170250766	39.22203674959347	-101.6611535	270219.445444547	434791.445444547	3671.724365947474	3489.9435984729	3489.9435984729	3509.9435984729	0.9468370379194	0
194	97	71234	-243561.1413	855757.3170250766	39.22205312015976	-101.6581019	270473.5789020963	434787.303104573	3669.284180251137	3487.049618245334	3486.7233500616	3509.791313825982	0.8713013825982	0
195	97	71235	-242901.1413	855757.3170250766	39.2220696808994	-101.6564823	270674.6802	434783.321968364	3666.98331336532	3485.166304918639	3487.965278679444	3509.80758598824	0.7962195789824	0
196	97	71236	-242241.1413	8										

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatThkLogs.f	SatThkBoth.f
277	97	71317	-188781.1413	855757.3170250766	39.22327592473415	-101.4655399	287164.23765459284	4344450.50420214	3492.918376389128	3332.5788853195286	3361.4482271444394	3356.791319563836	0	0
278	97	71318	-188121.1413	855757.3170250766	39.22326875824553	-101.4632072	287365.3208646714	434444.849639357	3452.128081598882	3337.540737395335	3355.0156255062447	3347.8474981725724	0	0
279	97	71319	-188501.1413	855757.3170250766	39.223267166776225	-101.4609765	287569.4038902352	434442.849649453	3488.2982484941216	3338.947891327843	3339.0250129248404	3340.6201022486057	0	0
280	97	71320	-186901.1413	855757.3170250766	39.22331432	-101.4585499	287767.4667166289	434438.803659794	3488.59838958148	3326.1717119	3343.1944259236147	3332.1952167993068	0	0
281	97	71321	-186141.1413	855757.3170250766	39.22332702890747	-101.4562212	287968.56931897123	434434.7583170178	3486.51036054408	3324.0513280541663	3337.6570720749964	3324.064134716363	0	0
282	97	71322	-185481.1413	855757.3170250766	39.2233069205396	-101.4538926	288169.6511735043	434430.3126136387	3482.31941901755583	3332.343016481069	3337.3043635189463	0	4.937014356	
283	97	71323	-184821.1413	855757.3170250766	39.22335831121267	-101.4515639	288370.7338991362	434426.668304722	3482.7481790155527	3319.84465730823	3327.2455435857444	3310.776838913566	0	9.06801288646672
284	97	71324	-184161.1413	855757.3170250766	39.223348476059	-101.4492533	288571.815734775	434422.623576071	3481.4908079590523	3317.761074268485	3322.630684	3307.7075079231627	0	10.0536750368827
285	97	71325	-183501.1413	855757.3170250766	39.22337413420685	-101.4469896	287572.8797415875	434418.579693931	3485.235846629633	3315.588955298335	3318.05841314613	3304.6201022486057	0	10.86886381466454
286	97	71326	-182841.1413	855757.3170250766	39.22339897101914	-101.444578	288793.9720116501	434414.54366793	3478.976304020345	3313.629715300377	3313.949408479455	3305.491392705037	0	11.8773205106737
287	97	71327	-182181.1413	855757.3170250766	39.22340034	-101.4422483	289175.060538888	434381.0504488145	3478.130956255977	3318.085310506276	3310.08531286651	3304.62031041614	1.4894192196147742	6.954507401662104
288	97	71328	-181521.1413	855757.3170250766	39.22341472953383	-101.4399206	289376.141798434	434404.064489474	3477.69580103113	3309.55628807797	3306.45574024818134	3307.00798948247	1.002546059583367	6.547639253898095
289	97	71329	-180861.1413	855757.3170250766	39.22342707827845	-101.437592	289577.2227356616	434371.264157964234	3477.264157964234	3307.5446025628457	3303.109361169625	3302.231498282065	4.634766446	5.331712637780705
290	97	71330	-180201.1413	855757.3170250766	39.223439302404035	-101.4352633	289778.304565447	434338.59054079	3476.870361518943	3305.545076726226	3299.944832320976	3301.227511367747	6.60917406524674	4.32649418475598
291	97	71331	-179541.1413	855757.3170250766	39.22345164083064	-101.4329346	289979.383689169	434334.31595728	3475.968360649478	3303.98569604478	3294.738602154339	3302.9972723479077	6.5841594750619102	0.58848657033372
292	97	71332	-178881.1413	855757.3170250766	39.22346385463628	-101.430606	290180.463047903	434330.272137356	3474.67183405104	3301.641762344924	3293.916552722064	3299.9613021521047	7.725179821717416	1.7689591928109045
293	97	71333	-178221.1413	855757.3170250766	39.22347632666894	-101.4282773	290381.5444143625	434336.29	3473.3879307443336	3299.7220317720053	3289.5109471667056	3298.158216713194	10.21084605299675	1.563815088828227
294	97	71334	-177561.1413	855757.3170250766	39.223488147316495	-101.4259487	290582.6231745405	434332.186351796	3472.0974740477377	3297.824946351738	3295.94512535949	3295.76710222756	11.56771961429149	1.8829624859968136
295	97	71335	-176901.1413	855757.3170250766	39.22350026218701	-101.42362	290783.7040145302	434337.143638313	3471.0626885849	3295.9942729034475	3283.119401125636	3294.6022512429076	12.44070177811318	1.352724360939833
296	97	71336	-176241.1413	855757.3170250766	39.2235126007844	-101.4212913	290984.7830553305	434334.701102765	3470.18165405034	3279.774312499454	3284.69237218084473	3284.70341004107035	14.34274545965751636	0.45724563995751636
297	97	71337	-175581.1413	855757.3170250766	39.22352424899077	-101.4189627	291185.862790761	434330.075826355	3472.204427	3292.301932828343	3276.9053572161283	3292.1214611467	15.39657571220599	0.1758183166881107
298	97	71338	-174821.1413	855757.3170250766	39.22353619292397	-101.416834	291386.94180141256	434336.610585414	3472.505297491996	3292.51575050916	3275.1386824098	3291.528364533768	15.3562845582466	0
299	97	71339	-174061.1413	855757.3170250766	39.2235481817863	-101.4146393	291594.4986971081	434339.478106183	3471.685193826277	3286.3589303462277	3286.589637382039	3291.528364533768	16.329218639681903	2.04833698271162
300	97	71340	-173601.1413	855757.3170250766	39.22355945856292	-101.411976	291789.094138133	434335.827399675	3469.75657080948	3287.00049794936	3280.21293741458904	3284.413852526246	16.70655638303163	2.586647156283917
301	97	71341	-172941.1413	855757.3170250766	39.2235715484863	-101.409648	291980.17777972	434333.891	3467.828397828985	3285.203837583655	3286.599799230648	3281.169157628031	16.86356952	4.12177076823214
302	97	71342	-172281.1413	855757.3170250766	39.22358318865084	-101.407319	292191.2561373778	434339.484974582	3465.89105057196	3283.59047291131	3286.72944621664	3277.69180081398	16.96102679646784	5.889672229915064
303	97	71343	-171621.1413	855757.3170250766	39.22359524	-101.4049906	292392.324192333	434335.808492697	3464.14279515148	3281.92188285895	3285.0253726233264	3276.992482711886	16.9889130266372	3.88578887
304	97	71344	-170961.1413	855757.3170250766	39.22360691196028	-101.402662	292593.41204274446	434341.767427778	3462.578752765534	3280.2759257106384	3283.680525729303	3269.737110607867	16.98897317933295	10.53881510294964
305	97	71345	-170301.1413	855757.3170250766	39.223618033676	-101.400333	292794.4986971081	434337.76235717	3461.05121388957	3278.2157621495467	3276.3589303462277	3286.589637382039	17.3381012583678	10.86886381466454
306	97	71346	-169641.1413	855757.3170250766	39.22362971313833	-101.3980046	292957.567113554	434330.925103566	3459.457519510666	3276.0425906666	3275.09254024612	3276.0425906666	16.0704014	14.59187057451574
307	97	71347	-168981.1413	855757.3170250766	39.22364166245816	-101.3956759	293196.644702045	434339.645	3458.251437921855	3275.46022299858	3259.53782343681	3259.86718918534	15.922238641740604	15.59303708
308	97	71348	-168321.1413	855757.3170250766	39.22365315389911	-101.3933473	293397.7417054265	434335.6049715895	3457.3369620117	3273.891598457596	3258.0309395204	3258.1129052356811	15.77896311859115	16.98897317933295
309	97	71349	-167661.1413	855757.3170250766	39.22366460756042	-101.3910186	293598.7982373102	434331.564818575	3456.448756635965	3272.384648818797	3256.305987908315	3257.297475234053	16.0034770356488	10.53881510294964
310	97	71350	-167001.1413	855757.3170250766	39.22367601174238	-101.3886899	293799.78748660595	434317.52482082	3455.506536033927	3270.830615176256	3254.9339853217375	3256.1603511312803	15.8699619588802	10.53881510294964
311	97	71351	-166341.1413	855757.3170250766	39.22368737054827	-101.3863812	294000.9512919899	434315.162622	3454.316222	3269.2633283678956	3253.3464857261793	3256.404352	15.837047175076388	12.8774324044532
312	97	71352	-165681.1413	855757.3170250766	39.2236989	-101.384025	294202.0275103466	434309.478106183	3452.7157621495467	3257.2157621495467	3253.745118	3249.801711919476	15.837047175076388	12.8774324044532
313	97	71353	-165021.1413	855757.3170250766	39.22370955441164	-101.3817039	294403.103536701	434305.406021134	3450.72627121006	3256.28796454642	3248.217356889004	3252.017030105970	16.0279396	12.8774324044532
314	97	71354	-164361.1413	855757.3170250766	39.22372118	-101.3793752	294604.1793504101	434301.36973493	3449.514825230921	3246.809530248785	3246.047233210044	3250.2842515458415	18.7667954374345	14.5252792096073
315	97	71355	-163701.1413	855757.3170250766	39.2237325796045	-101.3770465	294805.25497026136	434297.22770256	3447.29995556116	3263.34152843045	3243.494275688763	3247.654195031997	18.7667954374345	14.5252792096073
316	97	71356	-163041.1413	855757.3170250766	39.2237439226557	-101.3747178	295006.3038462675	434293.28884381	3444.70809664538	3261.882358317124	3241.02301243336	3245.45697485885	20.85957132833006	14.5252792096073
317	97	71357	-162381.1413	855757.3170250766	39.2237554819116	-101.3723891	295207.40597313	434289.250151004	3441.641736737636	3260.431958781643	3259.815926784786	3243.1812107849868	17.3138157777754	15.837047175076388
318	97	71358	-161721.1413	855757.3170250766	39.22376653	-101.3700005	295408.480055245	434279.211640385	3438.814737208204	3258.176784789484	3258.040410151337	3242.743164455032	18.7274324044532	15.837047175076388
319	97	71359	-161061.1413	855757.3170250766	39.22377817969047	-101.3674431	295610.63002734084	434275.13673845	3435.70247274062	3256.1372248694	3252.11253876584	3240.619234762573	21.04182970104794	21.51274080120948
320	97	71360	-160401.1413	855757.3170250766	39.22378757969047	-101.3650005	295810.63002734084	434275.13673845	3435.70247274062	3256.1372248694	3252.11253876584	3240.619234762573	21.04182970104794	21.51274080120948
321	97	71361	-159741.1413	855757.3170250766	39.22379849	-101.3630744	296011.7044	434270.97204992	3434.58804549389	3254.72235868388	3250.28036077795	3231.8896668673063	24.4151761059311	22.8327870108167
322	97	71362	-159081.1413	855757.3170250766	39.2238093532526	-101.3607457	296212.7							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	Atk2032855.ft	SatBothKrg.ft
403	97	71443	-105621.1413	855757.3170250766	39.22453999302901	-101.1721201	312499.142091349	4343942.605391793	32697.93937209719	3125.390857658036	3080.1873291031807	3089.1299419500387	45.2032855485544	36.26091660799739
404	97	71444	-104961.1413	855757.3170250766	39.224547169063435	-101.1697914	31720.2005422062	4343938.526599267	3296.4245415372216	3122.8845063691194	3074.1864841	3086.1900970781654	45.1535478511551	36.4931071463311346
405	97	71445	-104041.1413	855757.3170250766	39.22455433011679	-101.1534863	312891.5064896187	4343941.5064896187	3297.17545894242	3119.898541689984	3076.732653906427	3085.4630253906427	45.3538611939325	34.523481616767341
406	97	71446	-103641.1413	855757.3170250766	39.22456138618909	-101.1551339	31570.31261893489	4343935.57404385	3295.925701925276	3117.298712505766	3080.0911792768856	3080.0911792768856	45.4006838123713	37.2072332
407	97	71447	-102981.1413	855757.3170250766	39.22456843	-101.1628052	313303.3747941203	4343926.51914213	3296.304332437663	3114.620914144735	3077.151820193519	3077.151820193519	45.4690935125431	36.84885761319898
408	97	71448	-102321.1413	855757.3170250766	39.22457333940045	-101.1604765	313504.43251171755	4343922.43099858	3295.910925044766	3111.953304	3076.4323222979736	3076.2937305631194	45.5338194768979	35.65957358201048
409	97	71449	-101661.1413	855757.3170250766	39.224582374519386	-101.1581477	313705.4900468713	4343918.41787641	3296.31705640566	3109.2699952256033	3074.8243720147498	3074.2031466823537	45.61232108352	35.0928485
410	97	71450	-101001.1413	855757.3170250766	39.22458926067222	-101.155819	313986.5474	4343914.449454758	3296.324089	3106.649019280223	3072.289509680475	3071.4993606833147	45.35990641614783	35.149653196908275
411	97	71451	-100341.1413	855757.3170250766	39.224596611818385	-101.1534863	314107.5064896187	4343914.5064896187	3297.0059972600113	3104.01232785626	3069.248449961284	3068.468449961284	45.25468192555055	34.523481616767341
412	97	71452	-99621.1413	855757.3170250766	39.2246029591851	-101.1511615	314308.6615588634	4343906.40653141	3291.36515937918	3101.3859994830185	3067.1739073195659	3065.454795905058	45.312092523358	35.9312025290548
413	97	71453	-99021.1413	855757.3170250766	39.22460973	-101.1488328	314509.718937402	4343902.83539068	3288.7203495756265	3086.77730710472	3063.458834882473	3062.86868459471	45.31289584222486	35.93004611400097
414	97	71454	-98361.1413	855757.3170250766	39.22461645544713	-101.1465041	314710.7748950576	4343908.36435699	3286.075132553437	3067.199093385	3061.159708100905	3060.770184255373	45.300828272480216	35.3979719128478
415	97	71455	-97701.1413	855757.3170250766	39.22462336689154	-101.1441753	314911.83142716635	4343904.33438647	3283.844944	3063.572105517566	3059.08266011883	3058.933673684876	45.24474453387368	34.6380413282692
416	97	71456	-97041.1413	855757.3170250766	39.2246297295326	-101.1418466	315112.86778781216	4343902.32899672	3282.02579770105	3060.98453770523	3057.105552425421	3057.11733869594	45.2330134510162	33.8661810505899
417	97	71457	-96381.1413	855757.3170250766	39.22463636242282	-101.1395178	315313.9439	4343896.32040586	3280.200216	3060.4816703345787	3055.217055889597	3055.225815314036	45.18442448768979	33.17605230217509
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422	97	71462	-93081.1413	855757.3170250766	39.2246676594911954	-101.1278741	316319.216271552084	4343866.203	3270.04389526623	3075.619177	3045.395288420457	3045.175676938624	45.202848120714532	30.44390027
423	97	71463	-92421.1413	855757.3170250766	39.22467496730376	-101.1255454	316520.2765800383	4343863.185294913	3269.9036792948705	3073.0877423934	3043.845938311166	3043.843144448896	45.2914980924729	29.27430974937939
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436	97	71476	-83841.1413	855757.3170250766	39.2247530209711	-101.0952177	319132.935029711	4343809.948	3244.666373	3039.7811988134471	3009.036701757937	3010.1871153143893	45.2944916746025	22.6034067050772
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441	97	71481	-80541.1413	855757.3170250766	39.2247816055487	-101.083628	320139.235951233	4343789.866066785	3232.45020871143	3025.9041981321993	2986.4932845479902	3003.2191358420904	45.29187813140353	22.5847196955761
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446	97	71486	-77241.1413	855757.3170250766	39.22480974445704	-101.071942	321144.4922762357	4343769.7833467	3216.33946749508	3010.83919	2992.724341	2992.724341	45.26380748806044	22.630173354725
447	97	71487	-76581.1413	855757.3170250766	39.22481318629404	-101.0696555	321345.540153904	4343765.7338						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
529	97	71569	-22461.14133	85575.713120250766	39.225098943965784	-00.7786971	337831.1276555831	343437.160800147	3089.6748640415854	33.5312389216903	2879.6381971516553	75.0350867703507	53.8603973
530	97	71570	-21801.14133	85575.713120250766	39.22509419	-00.7876384	33802.16458011024	343433.161035522	3086.60953018915	2932.8840537535643	2881.0069577943345	51.8140459952984	51.84081917649954
531	97	71571	-21141.14133	85575.713120250766	39.22509269766	-00.7874096	33823.213465466	343429.161217837	3083.89893698988	2932.2411608870955	2882.3009840339073	49.8330024318619	49.84113184498926
532	97	71572	-20481.14133	85575.713120250766	39.2250943340454594	-00.7871108	338434.23795534484	343436.16169391	3081.51975851807	2883.071985311257	2883.0431311260218	48.5068320408151	48.5357334448545
533	97	71573	-19821.14133	85575.713120250766	39.22509570744122	-00.8693821	338635.2740607102	343431.162267878	3079.14895474845	2930.892107755109	2883.4829613454917	47.40914640861728	47.42013301087811
534	97	71574	-19161.14133	85575.713120250766	39.22509703585484	-00.8670533	338836.3170074067	343417.163076378	3076.7793434341	2930.175715008495	2883.555976662374	46.60579132404048	46.60579132404048
535	97	71575	-18501.14133	85575.713120250766	39.22509831928636	-00.8647245	339037.3468379595	343433.164027093	3075.110428073107	2929.4529791764603	2883.072663972688	46.35571281953163	46.35716231482447
536	97	71576	-17841.14133	85575.713120250766	39.22509955773575	-00.8623598	339238.38281825476	343430.16519424	3074.10643032088	2928.640129274171	2881.6390110506695	46.0011822301635	46.0011822301635
537	97	71577	-17161.14133	85575.713120250766	39.22510075203065	-00.860667	339493.4916419355	343435.1669191643	3073.182474962598	2927.8165047445014	2879.8894216450014	45.78045737919758	45.78045737919758
538	97	71578	-16521.14133	85575.713120250766	39.225100968925	-00.8577282	339640.453052062	343430.167959449	3072.21847558238	2926.567175491447	2877.957195287399	45.569519287399	45.569519287399
539	97	71579	-15861.14133	85575.713120250766	39.22510300319132	-00.8554095	339841.488202721	343430.169796933	3070.5598682688	2926.054875897906	2875.9741650114506	50.0813225733996	50.05976778546186
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542	97	71582	-13881.14133	85575.713120250766	39.22510604380788	-00.8484231	340444.5954182901	343393.175891176	3063.5003498383027	2923.1480114372517	2869.3879293303808	56.7008408966064	53.59214272072359
543	97	71583	-13241.14133	85575.713120250766	39.22510696736248	-00.8460944	340645.60306058988	343391.178274492	3062.17929919643	2922.11505313121	2866.4528273054602	56.66023990470095	55.57623699048076
544	97	71584	-12561.14133	85575.713120250766	39.225107845974975	-00.8437566	340846.6036398995	343377.180816744	3061.893570772255	2921.052443555947	2862.3514338342233	58.7009060172354	58.73987833420776
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546	97	71586	-11241.14133	85575.713120250766	39.22510946821397	-00.8391081	341248.73411413856	343369.185636309	3061.312551971299	2918.847005638246	2859.193455570327	69.2524071912343	69.2524071912343
547	97	71587	-10581.14133	85575.713120250766	39.2251102186006	-00.8367793	341449.764809938	343365.19	3060.712137328189	2917.708859643326	2847.946277895573	69.7625817475285	70.1905826240694
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549	97	71589	-9261.141327	85575.713120250766	39.22511156420508	-00.8321218	341851.836465078	343357.196474776	3058.886165893025	2915.381794750524	2851.832288138365	65.94360685213755	65.94360685213755
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551	97	71591	-7941.141327	85575.713120250766	39.22511276629139	-00.8181624	342267.3275623925	343357.20584471	3057.038346774223	2913.00484995472	2853.00484995472	65.9592774428204	65.9592774428204
552	97	71592	-7281.141327	85575.713120250766	39.225113296	-00.8251355	342454.93247260236	343345.20804458	3053.1956541183696	2911.009632377986	2851.4540170145693	65.963356595623	65.963356595623
553	97	71593	-6621.141327	85575.713120250766	39.2251137291183	-00.8228067	342655.9707883336	343341.212581784	3053.805893662592	2910.587779872974	2851.894707161747	64.866437082172675	64.866437082172675
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556	97	71596	-4641.141327	85575.713120250766	39.22511488047909	-00.8158204	343259.06909074177	343329.225905775	3041.8244268919734	2906.881480416405	2864.90306387107	64.9550845543346	64.9550845543346
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567	97	71607	2618.858677303514	85575.713120250766	39.22511563853403	-00.7902039	345470.412642221	343287.290286617	3020.00201925917	2892.7671794712587	2885.169432706418	65.98494268766622	65.98494268766622
568	97	71608	3278.858677303514	85575.713120250766	39.225115437555274	-00.7878751	345671.45271241514	343281.297125807	3025.942232545508	2892.422485017576	2886.1179487112	65.98494268766622	65.98494268766622
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570	97	71610	4598.858677303514	85575.713120250766	39.225114900551405	-00.7832176	346073.5144021816	343273.311615355	3021.87209573179	2888.693156381487	2885.8337846344616	65.98494268766622	65.98494268766622
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572	97	71612	5918.858677303514	85575.713120250766	39.2251143818186	-00.7785716	346475.574946063	343265.3273027	3021.87209573179	2888.693156381487	2885.8337846344616	65.98494268766622	65.98494268766622
573	97	71613	6578.858677303514	85575.713120250766	39.2251137529254	-00.7762313	346676.6058	343261.343547254	3021.87209573179	2888.693156381487	2885.8337846344616	65.98494268766622	65.98494268766622
574	97	71614	7238.858677303514	85575.713120250766	39.22511326705994	-00.7739025	346877.6359894215	343257.342585864	3026.771296314678	2883.072611618484	2842.37028228211	65.98494268766622	65.98494268766622
575	97	71615	7898.858677303514	85575.713120250766	39.22511271204294	-00.7715738	347078.666	343253.30779943	3026.771296314678	2883.072611618484	2842.37028228211	65.98494268766622	65.98494268766622
576	97	71616	8558.858677303514	85575.713120250766	39.22511221	-00.769245	347279.689889872	343249.359154692	3026				

ix	iy	kx	ky	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLog.f	SatHtBoth.f
655	97	71695	60986.8586730335	855757	31720250766	39.22492576102936	-100.5852726	36106.6040424517	43429.34590919189	2783.146677990511	2708.0820053643342	2704.151759077838	2687.26823949675	36.79751452599294	
656	97	71696	61358.8586730335	855757	31720250766	39.22492160163362	-100.5829348	363361.62269070954	43429.63173191954	2781.5084817439167	2739.457352998567	2701.93505160398487	2675.3839924585686	37.543092313349176	
657	97	71697	60918.8586730335	855757	31720250766	39.22491738725613	-100.5806151	363264.5412089713	43429.63409791812	2689.9801556973216	2738.0143642331687	2698.2435024316897	2683.5885334899918	39.77115819202711	
658	97	71698	60678.8586730335	855757	31720250766	39.22491314786966	-100.5782863	363763.6569912799	43429.6265985689	2668.419002770685	2736.56653409545	2696.0131434209674	2682.09410582116	41.6381258275326	
659	97	71699	63338.8586730335	855757	31720250766	39.224908853555846	-100.5758676	363964.67347839972	43429.61863	2665.751199033024	2735.132154331417	2692.6231454837634	2691.8213841157222	42.50908087653604	43.31977021569446
660	97	71700	63998.8586730335	855757	31720250766	39.22490451423306	-100.5736288	364165.6995652818	43429.614706718029	2683.80608149149	2737.12146133744	2689.660427165879	2688.9696042716587	43.050718571179	44.74218011532435
661	97	71701	64538.8586730335	855757	31720250766	39.224900129928535	-100.5713	364366.7139553334	43429.617305	2686.26472605495	2732.303734543344	2687.203236580717	2686.735190149734	45.100448701673	45.56854279660298
662	97	71702	64518.8586730335	855757	31720250766	39.2248961064232	-100.5689713	364567.7318143595	43429.617342979	2684.521712616229	2730.9094967405467	2685.02042	2684.72923	46.48584766177661	46.18357400877678
663	97	71703	64518.8586730335	855757	31720250766	39.224891220374346	-100.5666426	364785.74864255616	43429.61738564926	2684.521712616229	2730.9094967405467	2685.02042	2684.72923	46.48584766177661	46.18357400877678
664	97	71704	66938.8586730335	855757	31720250766	39.22488671072469	-100.5643138	364969.767101473	43429.61738564926	2684.521712616229	2730.9094967405467	2685.02042	2684.72923	46.48584766177661	46.18357400877678
665	97	71705	67298.8586730335	855757	31720250766	39.22488214	-100.561985	365170.7846073181	43429.61738564926	2684.521712616229	2730.9094967405467	2685.02042	2684.72923	46.48584766177661	46.18357400877678
666	97	71706	67958.8586730335	855757	31720250766	39.2248775368026	-100.5596563	365371.9018422613	43429.6151614043	2686.8045322656	2731.4519965367114	2677.644840860453	2677.44379831054	46.95867625308	47.0588632616237
667	97	71707	68618.8586730335	855757	31720250766	39.2248728794549	-100.5573275	365572.81951124075	43429.61863	2683.7945797185975	2724.0616717759785	2676.1687383333046	2675.445745115064	47.8929784526718	48.6058636709126
668	97	71708	69278.8586730335	855757	31720250766	39.2248681803904	-100.5549988	365773.8362240035	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
669	97	71709	69938.8586730335	855757	31720250766	39.2248634615095	-100.55267	365974.8351759648	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
670	97	71710	70598.8586730335	855757	31720250766	39.2248584701119	-100.5503413	366175.87	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
671	97	71711	71258.8586730335	855757	31720250766	39.22485381288977	-100.5480125	366376.886631304	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
672	97	71712	71918.8586730335	855757	31720250766	39.22484893378671	-100.5456838	366577.9032413395	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
673	97	71713	72578.8586730335	855757	31720250766	39.2248440096955	-100.543355	366778.91977429786	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
674	97	71714	73238.8586730335	855757	31720250766	39.2248396403322	-100.5410262	366979.9360769597	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
675	97	71715	73898.8586730335	855757	31720250766	39.224834026585256	-100.5386975	367186.9522512547	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
676	97	71716	74548.8586730335	855757	31720250766	39.2248296755613	-100.536387	367381.982973869	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
677	97	71717	75198.8586730335	855757	31720250766	39.2248253454565	-100.5340615	367582.1960090446	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
678	97	71718	75878.8586730335	855757	31720250766	39.22481871455182	-100.5317112	367784.000509386	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
679	97	71719	76528.8586730335	855757	31720250766	39.22481352057752	-100.5293825	367985.015668586	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
680	97	71720	77198.8586730335	855757	31720250766	39.224808261621634	-100.5270537	368186.0312043785	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
681	97	71721	77858.8586730335	855757	31720250766	39.2248029768419	-100.524725	368387.0466127804	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
682	97	71722	78518.8586730335	855757	31720250766	39.22479766875206	-100.5223962	368588.061894234	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
683	97	71723	79178.8586730335	855757	31720250766	39.224792228	-100.5200678	368789.0774889136	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
684	97	71724	79838.8586730335	855757	31720250766	39.2247875962405	-100.5177729	368980.0907716293	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
685	97	71725	80498.8586730335	855757	31720250766	39.22478141211911	-100.51541	369191.1069704402	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
686	97	71726	81158.8586730335	855757	31720250766	39.22477590327402	-100.5130813	369392.1217548102	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
687	97	71727	81818.8586730335	855757	31720250766	39.224770349447475	-100.5105258	369593.13640466507	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
688	97	71728	82478.8586730335	855757	31720250766	39.22476750639416	-100.5078428	369794.150288115	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
689	97	71729	83138.8586730335	855757	31720250766	39.22476184648595	-100.505095	369995.1652745707	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
690	97	71730	83798.8586730335	855757	31720250766	39.22475619074865	-100.502346	370196.358496196	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
691	97	71731	84358.8586730335	855757	31720250766	39.2247505342645	-100.5001473	370397.1974959586	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
692	97	71732	85118.8586730335	855757	31720250766	39.22474419559262	-100.4991088	370598.2077242735	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
693	97	71733	85778.8586730335	855757	31720250766	39.22473608187731	-100.49678	370799.22167111083	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
694	97	71734	86438.8586730335	855757	31720250766	39.224730131810585	-100.4944513	371000.2345515105	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
695	97	71735	87098.8586730335	855757	31720250766	39.22472429950245	-100.4921225	371201.24099524625	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
696	97	71736	87758.8586730335	855757	31720250766	39.22471813048293	-100.489738	371402.26262110734	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
697	97	71737	88418.8586730335	855757	31720250766	39.22471247561025	-100.487346	371603.2845110252	43429.6190131775	2683.3210621422275	2722.7078296139057	2674.7946234935174	2673.836651	47.91320017438294	48.811728900591
698	97	71738	89078.8586730335	855757	31720250766	39.224									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfKgr.f	SatHtBoth.f
41	98	71821	-344541.1413	856417.3170250766	39.22079958442438	-102.0150988	239706.3789344938	4345612.18108362	390.332527810935	371.6079668191596	3685.93569433637	3679.771702953893	5686393.38552244	81.8302635626035
42	98	71822	-343881.1413	856417.3170250766	39.22082304263516	-102.0127103	239097.5160776208	4345608.91600404	394.37274965851746	375.591436755235	3683.733665679194	3677.616775567327	56870779663513	85.07576611879257
43	98	71823	-343221.1413	856417.3170250766	39.22084655874178	-102.0104618	240108.465841615	4345604.00201871	394.58484874409254	3681.226671378116	3684.623156480196	3678.623156480196	568139177931	84.6534392604673
44	98	71824	-342561.1413	856417.3170250766	39.22086892414433	-102.0081135	239009.792242878	4345603.91182621	394.22110666117184	375.4517857319106	3678.61753454841	3672.987921014146	567845231706983	82.429365176442
45	98	71825	-341901.1413	856417.3170250766	39.22088314743686	-102.005785	240510.9627717838	4345598.624259567	393.6343861100345	373.3414524224927	3676.232659571325	3677.0079854551964	567780285116789	77.3346667296362
46	98	71826	-341241.1413	856417.3170250766	39.22091642576044	-102.0034566	240712.06685420356	4345591.75157845	393.71581061029056	375.261161400261	3676.854161012676	3676.854161012676	567747106777147	73.0995678
47	98	71827	-340581.1413	856417.3170250766	39.22093956911208	-102.0011281	240913.20374718103	4345587.646869602	393.47319150182496	374.9178508258727	3671.5648172080964	3668.937659824676	56776138910477323	69.1962272339601
48	98	71828	-339921.1413	856417.3170250766	39.2209628749179	-101.9987997	241141.34043732015	4345583.55882916	393.1275812860213	374.7009574	3669.6733890149544	3680.939241853704	5677442801333681	66.16165023
49	98	71829	-339261.1413	856417.3170250766	39.22098598969614	-101.9964715	241315.4768438204	4345579.487	392.7149245789126	374.510525800396	3669.69680386936	3681.226671378116	56773237791317261	73.916899408571
50	98	71830	-338601.1413	856417.3170250766	39.2210093935717	-101.9941428	241516.6129389307	4345572.3828905	392.05308531554	374.2401079227544	3665.860428456454	3691.251925345343	5677080504270291	51.68778673814015
51	98	71831	-337941.1413	856417.3170250766	39.22103214298734	-101.9918143	241717.74888773207	4345571.24902476	392.077192335383	374.807101094553	3663.675035159483	3696.60580403303	567719758305474	44.26850459
52	98	71832	-337281.1413	856417.3170250766	39.22105515129017	-101.9894859	241918.8845255228	4345567.20683579	391.9160272805145	373.88283313967	3662.377242317445	3704.323267931735	56775158899	35.9945635769363
53	98	71833	-336621.1413	856417.3170250766	39.2210708114809465	-101.9871574	242120.0190875507	4345563.11948618	391.6234163750145	373.8630451487343	3661.037882595458	3704.82136848136	56775657191482	31.88224621920972
54	98	71834	-335961.1413	856417.3170250766	39.22110103355652	-101.984829	242321.150339356	4345559.03221413	391.3265594494336	374.809656787732	3660.030118723917	3666.666452	5677479530831493	38.14302147468206
55	98	71835	-335301.1413	856417.3170250766	39.22112390693179	-101.9825005	242522.2898043443	4345543.5411529	391.01823765	373.7258662448103	3659.308233566657	3689.94716988982	5677473688814463	42.90804235782027
56	98	71836	-334641.1413	856417.3170250766	39.22114673553382	-101.9801721	242723.4265073246	4345550.85046463	390.87350324184	373.694892016357	3658.928455092312	3684.921583	56770216261	46.0283083255592
57	98	71837	-333981.1413	856417.3170250766	39.22116951916386	-101.9778438	242924.55888126743	4345546.771536237	390.646302492414	372.99149693397	3658.889130634376	3687.261054050586	567721001904	48.3159872888450
58	98	71838	-333321.1413	856417.3170250766	39.22119257821734	-101.9755151	243125.6085150815	4345540.85010353	390.4557567505	372.7306770971319	3659.45806	3676.76323202612	5677427510616593	50.94252548770734
59	98	71839	-332661.1413	856417.3170250766	39.22121465150705	-101.9731867	243326.8268389185	4345538.598672056	390.6144528766228	372.5569217739714	3660.4385138826045	3674.382174117467	56773037683863	51.2410632227454
60	98	71840	-332001.1413	856417.3170250766	39.22123700211993	-101.9705852	243527.9604359922	4345534.15141495	389.701873662035	372.3803289691014	3661.798255127214	3671.372008435516	5677620473763946	52.51102432319835
61	98	71841	-331341.1413	856417.3170250766	39.22126023960256	-101.9685298	243730.9707788918	4345530.426533473	389.146838369775	372.232998079358	3662.72103292999	3668.6296798154064	56775161905679633	53.6132053653036
62	98	71842	-330681.1413	856417.3170250766	39.2212827672805	-101.9662313	243930.226667575	4345526.30747585	389.4024293173311	372.026792456084	3661.44175499099	3663.655496726319	5677581932661787	54.97242768324668
63	98	71843	-330021.1413	856417.3170250766	39.22130586334538	-101.9639026	244135.3569105045	4345522.35156822	389.174492187077	371.740797161229	3661.44175499099	3663.655496726319	5677581932661787	55.93824118667965
64	98	71844	-329361.1413	856417.3170250766	39.22132774535725	-101.9615444	244332.492284463	4345518.197394485	389.1381385194048	371.46142355573	3647.157339695058	3660.50451070943	5677304083805491	56.59659725047868
65	98	71845	-328701.1413	856417.3170250766	39.22135016915955	-101.9592158	244533.6246126888	4345514.085	388.148055184445	371.585875132246	3635.2059778923103	3663.740470190865	567732939365	52.157935632017
66	98	71846	-328041.1413	856417.3170250766	39.22137254807721	-101.9568874	244734.7566876545	4345509.94946042	387.674250249182	371.4308873	3621.838552575433	3666.416255276604	56774023081517591	47.8926081
67	98	71847	-327381.1413	856417.3170250766	39.22139481977034	-101.9545859	244935.8885089746	4345505.915	386.7802104215687	372.122988814385	3660.77048476848	3666.76609374380	5677932501459378	45.9623273596738
68	98	71848	-326721.1413	856417.3170250766	39.22141717090566	-101.9522305	245137.0207929134	4345501.83	387.591991121468724	371.12536364007	3698.1249236778935	3655.61746234847	5677103388611365	55.5068792
69	98	71849	-326061.1413	856417.3170250766	39.22143941486721	-101.949892	245338.1513581576	4345497.5428163	387.178121878077	370.9112536364007	3698.1249236778935	3655.61746234847	5677103388611365	56.97242768324668
70	98	71850	-325401.1413	856417.3170250766	39.2214616	-101.9475735	245539.28682725	4345492.661120175	387.178121878077	370.9112536364007	3698.1249236778935	3655.61746234847	5677103388611365	57.9427847477732
71	98	71851	-324741.1413	856417.3170250766	39.22148376765851	-101.945245	245740.4132731016	4345495.76969625	386.584620456436	370.623422772857	3697.8691857951287	3631.077022629125	5677805431927851	75.1502148273232
72	98	71852	-324081.1413	856417.3170250766	39.22150587605674	-101.9429165	245941.5433359815	4345485.490340105	384.552588410757	370.564081072557	3680.268151568314	3639.0205378785213	5677615690527457	65.5435419405953
73	98	71853	-323421.1413	856417.3170250766	39.22152794097428	-101.940581	246142.674123382	4345481.409	386.65586532654	370.278130227729	3680.32646884366	3643.93341713156	5677544851432628	58.937903156072935
74	98	71854	-322761.1413	856417.3170250766	39.2215496607715	-101.9382596	246343.0449960715	4345479.32537517	386.25605243457617	371.154526	3613.8017421737875	367.3475848071747	5677581932661787	59.8653816838822
75	98	71855	-322101.1413	856417.3170250766	39.22157193419786	-101.9359311	246544.391596194	4345473.24249165	386.83090107686	369.4212623725946	3618.417518488873	3638.924717770924	5677581932661787	59.787903688817
76	98	71856	-321441.1413	856417.3170250766	39.22159386334538	-101.9336026	246746.963005045	4345469.159149313	387.644921647147	371.12536364007	3698.1249236778935	3655.61746234847	5677581932661787	60.9427847477732
77	98	71857	-320781.1413	856417.3170250766	39.22161574751953	-101.9312741	246947.1920944941	4345465.07613458	385.940017229167	3695.805837596284	3674.9218140812	363.127898403321	56776108443148269	60.72276735930021
78	98	71858	-320121.1413	856417.3170250766	39.22163578672058	-101.9289456	247148.32201779616	4345460.93304299	384.755811897967	3694.0220383767	3674.580374643007	3625.4597575895415	56774948573967792	68.5956279425417
79	98	71859	-319461.1413	856417.3170250766	39.2216583094837	-101.9266171	247349.4580626205	4345456.91058726	383.631777187831	3682.179810521985	3621.671018099426	3612.830687629385	56774948573967792	79.3491229
80	98	71860	-318801.1413	856417.3170250766	39.22168113020281	-101.9242886	247550.5793731718	4345452.821978283	383.5468292036358	369.301902455626	3616.7641031065213	359.7501813936497	5677545119364491	90.54884455161654
81	98	71861	-318141.1413	856417.3170250766	39.2217023448392	-101.9219602	247751.707653268	4345448.74592106	383.1579402925361	368.722020950378	3587.761198667275	73.67320442	56776108443148269	100.6304254620895
82	98	71862	-317481.1413	856417.3170250766	39.22172448379161	-101.9196317	247952.835726267	4345444.65300046	382.050051381445	3686.4502958172	3584.791312525704	357.913017451682	56776108443148269	107.148890302158
83	98	71863	-316821.1413	856417.3170250766	39.22174648678595	-101.9173023	248150.92162617	4345442.92193147	381.454027156822	3687.178121878077	3674.580374643007	3625.4597575895415	56774948573967792	118.54884455161654
84	98	71864	-316161.1413	856417.3170250766	39.2217677486675	-101.9149747	248359.9018047674	4345435.00200897	380.245720935628	3686.4502958172	3584.791312525704	357.913017451682	56776108443148269	120.715792515332
85	98	71865	-315501.1413	856417.3170250766	39.22178921873946	-101.9126462	248556.2183889751	4345432.418663294	382.5158110920133	3686.466316607123	3588.355213266815	3585.164154193272	567771031	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatKtLgts.f	SatKtBoth.f
167	71947	-261381.1413	856417.3170250766	39.223401153045266	-101.7217049	265047.82892540	344509.360260752	3502.1246656115663	3528.7146784060924	3485.418955999851	3486.69754035948	33.29572114084158	52.017102804744354	
168	7198	-260721.1413	856417.3170250766	39.22341894449656	-101.7197371	265248.9362	344509.240244048	3648.688042287032	3536.7913439618073	3487.611000984775	3489.242029654115	48.180324277032524	47.44514099639582	
169	7199	-260601.1413	856417.3170250766	39.22343669	-101.720376	265450.943240822	344509.227781117	3649.2514229266933	3524.863569097066	3484.761924320596	3484.151691437085	45.10173184806615	40.71186462335754	
170	7199	-259401.1413	856417.3170250766	39.2234539246915	-101.717191	265551.1501902314	344509.210347868	3648.814781523971347	3532.9323507821347	3491.4935717469272	3497.3489249579007	41.7437358120744	35.634264027034006	
171	7199	-258741.1413	856417.3170250766	39.22347205	-101.7123904	265582.25682837557	344508.2096419675	3652.0240983048667	3530.9986014402753	3492.831380864687	3500.0574422481994	36.1709337540851	30.76349648207588	
172	7199	-258081.1413	856417.3170250766	39.22348966053494	-101.7100618	265603.3623333169	344507.930919215	3658.879230919215	3529.06312837361	3493.8361298106342	3505.299692207629	35.2272830126528	23.76345062973178	
173	7199	-257421.1413	856417.3170250766	39.22350272710268	-101.7077332	266254.4694070629	344507.9365038038	3665.73455133838	3527.1271473499946	3494.592677396917	3503.870665	30.763469953077405	23.25642843184585	
174	7199	-256761.1413	856417.3170250766	39.223524748693068	-101.7054406	266455.55236382167	344509.9040412645	3672.589633698136	3525.1894710477964	3495.103279996044	3506.525389730306	30.085543048191994	18.66408797476015	
175	7199	-256101.1413	856417.3170250766	39.22354222	-101.703076	266656.8610617865	344509.83523164	3677.0389355505777	3523.258140963072	3494.951965353213	3511.17310389355	32.77510389355	12.077510455682386	
176	7199	-255441.1413	856417.3170250766	39.2235565949491	-101.7007474	266857.7865317448	344501.770750968	3681.407037615315	3521.3107478132463	3495.111742423323	3513.5277400269325	26.1955738992525	7.78340718728495	
177	7199	-254781.1413	856417.3170250766	39.22357704	-101.6984188	267058.8917418843	344505.760178971	3681.124265801585	3519.371220616445	3495.1732889819075	3514.1740610312832	24.370135654357	5.23609585161801	
178	7199	-254121.1413	856417.3170250766	39.2235943528858	-101.6960902	267259.996150269	344503.642	3683.167111067483	3517.433980151473	3495.166294153134	3515.0393142175475	22.267126599615806	2.3409437975997207	
179	7199	-253461.1413	856417.3170250766	39.22361168199494	-101.6937616	267461.1016059202	344509.5775077485	3684.2834533782026	3515.4990460778054	3496.048973078054	3516.19311421714202	19.45007100400007	0	
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181	7199	-252141.1413	856417.3170250766	39.22364614047668	-101.6891043	267863.3104985784	344504.449494048	3684.6847127198043	3511.5635171010484	3496.034083027191	3518.541390291589	16.50243396367193	0	
182	7199	-251481.1413	856417.3170250766	39.223663302251938	-101.686775	268064.416007855	344503.3738603229	3684.8530376169054	3509.710074607197	3494.6819797767394	3515.987278301593	15.02802768308326	0	
183	7199	-250821.1413	856417.3170250766	39.22368042	-101.6844471	268265.5184738493	344503.3225619765	3684.931334	3507.78890402883	3494.587366964554	3515.615848	13.29074313377335	0	
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185	7199	-249501.1413	856417.3170250766	39.22371451771499	-101.6797898	268667.7255	344502.196131313	3684.873421368661	3503.9651221472277	3493.72234657595	3516.1602096737148	10.2427848963252	0	
186	7199	-248841.1413	856417.3170250766	39.22373149958164	-101.6774612	268868.8287202186	344501.23326886	3684.844167910904	3502.063498248102	3493.48248828795	3516.16040041830706	8.52778481830706	0	
187	7199	-248181.1413	856417.3170250766	39.22375483647016	-101.6751326	269092.91697875276	344501.070496387	3684.804377559797	3500.169095	3493.1782435734526	3516.389536872415	6.9908144101673315	0	
188	7199	-247521.1413	856417.3170250766	39.22376523832716	-101.672804	269291.034049168	344501.07039807	3684.65821115348	3498.2819603749593	3492.427759553005	3512.427759553005	3.8554444196587495	0	
189	7199	-246861.1413	856417.3170250766	39.22378275318095	-101.6704573	269488.1388116631	344498.1451452326	3684.5252824943033	3495.11044390575	3492.12548447215487	3507.002519185358	1.607100519185358	0	
190	7199	-246201.1413	856417.3170250766	39.22379897275614	-101.6681467	269673.239185412	344500.863373817	3679.6312212264495	3494.5281998018445	3493.27171470997	3512.039691189746	1.256540594076707	0	
191	7199	-245541.1413	856417.3170250766	39.22381573425578	-101.6658181	269874.314233745	344492.831273517	3677.4528200999915	3492.657988632265	3492.37234183061	3510.840403196112	0.62864803	0	
192	7199	-244881.1413	856417.3170250766	39.2238324625856	-101.6634895	270075.4430537196	344496.75952547	3674.565423264473	3490.97109602607	3491.282689566706	3509.5949336751314	0	0	
193	7199	-244221.1413	856417.3170250766	39.22384911328391	-101.6611068	270276.54464669159	344496.697915459	3671.6780264379713	3488.9277051065146	3490.415202575358	3509.164785405031	0	0	
194	7199	-243561.1413	856417.3170250766	39.22386573533719	-101.6588322	270477.6460126106	344496.634662427	3668.7906296114697	3487.06801476212	3489.5603971065216	3508.816101183855	0	0	
195	7199	-242901.1413	856417.3170250766	39.22388296253066	-101.6564738	270678.7471519254	344496.5147017631	3668.179986435027	3485.912327	3488.730224369313	3508.25981829878	0	0	
196	7199	-242241.1413	856417.3170250766	39.22389844495096	-101.6541749	270874.8496475763	344496.5147017631	3668.179986435027	3485.912327	3488.730224369313	3507.397394	0	0	
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200	7199	-239601.1413	856417.3170250766	39.2239643209083	-101.6448604	271684.294554188	344496.27160398	3645.94822418026	3476.000035709208	3486.138117273186	3506.469473039197	0	0	
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202	7199	-238281.1413	856417.3170250766	39.2239979253086	-101.6400231	272096.4689716996	344496.151452326	3649.581452326	3472.352824943033	3485.11044390575	3507.002519185358	0	0	
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204	7199	-236961.1413	856417.3170250766	39.22402945205182	-101.6354548	272488.6473387787	344494.03203947	3650.2004155479833	3468.74009193836	3487.5238995540476	3506.975940343204	0	0	
205	7199	-236301.1413	856417.3170250766	39.2240456934561	-101.6332172	272689.7462225304	344494.9373	3650.438623265976	3466.9488780217134	3488.8713756746887	3507.10618489176	0	0	
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211	7199	-232341.1413	856417.3170250766	39.22414142857296	-101.6192453	273896.33481921675	344493.619881757	3633.857478782551	3456.410413047064	3501.3644808311574	3513.52782092951	0	0	
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213	7199	-231021.1413	856417.3170250766	39.2241700849166	-101.614588	274298.5292033384	344493.503761545	3628.64727365629	3452.97212419012	3498.404614983622	3491.656036479126	0	0	
214	7199	-230361.1413	856417.3170250766	39.224183958331	-101.6122594	274499.626101647	344493.45499895	3626.402171365124	3451.2619014176207	3491.675658978977	3489.250722062165	0	0	
215	7199	-229701.1413	856417.3170250766	39.224200446889896	-101.6098307	274700.7225730793	344493.388405477	3624.958957224868	3449.558957224868	3488.10442911748526	3488.10442911748526	0	0	
216	7199	-2												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfElevKgr.f	SatHtBoth.f
293	98	72073	-178221.1413	856417.3172025076	39.225288674792104	-101.4282829	290385.5926152675	34454587.4615581455	3477.13389917362562	330.914003013058	3291.6556887751147	3298.746410567196	3258.34423794322	3.167592486818283
294	98	72074	-177561.1413	856417.3172025076	39.22530075969479	-101.4259462	290586.6723280456	34454583.41845492	3475.101544145041	330.01022265680436	3298.489077	3296.81720488982	315.52250059459436	3.1949360797484587
295	98	72075	-176901.1413	856417.3172025076	39.225312827197277	-101.4236355	290787.7518343813	34454579.373533892	3476.423915052348	3298.423915052348	3295.928915052348	3295.928915052348	3295.928915052348	3.2207474347931088
296	98	72076	-176241.1413	856417.3172025076	39.22532491232438	-101.4213067	290988.8317434055	34454573.323799557	3476.2815410114054	3298.31653030647	3294.0985541593094	3294.0985541593094	3294.0985541593094	3.2182768520069034
297	98	72077	-175681.1413	856417.3172025076	39.22533609154133	-101.418978	291189.9102283276	34454571.2902264263	3477.155483639426	3294.4969783287	3298.898513370132	3292.640500362256	3292.640500362256	3.1809174210310582
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337	98	72117	-149181.1413	856417.3172025076	39.2257789671709	-101								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatThLogs.ft	SatThBoth.ft
419	72199	-95001.14133	856417.3170250766	39.22646202988875	-101.1348687	31570.07971868943	43440.7942050011	3274.2280239363995	3022.2808937587777	3051.2264876188683	31.054733913909436	31.03146424793634	
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446	72226	-77241.14133	856417.3170250766	39.226620296206	-101.071981	321148.51139129815	434397.901747207	3217.239805146628	3010.21674607685	2991.866316964435	2984.29308	58.0043642351816	41.97238205466446
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449	72229	-75261.14133	856417.3170250766	39.22663620590315	-101.0650406	321751.6625156242	434398.46523634	3208.810459161033	3006.161545354625	2996.5450903371755	2990.95487376757	74.164631775066	40.9616998748705
450	72230	-74601.14133	856417.3170250766	39.2266413261297	-101.0626758	321962.5124128084	434398.319214749	3206.144971561032	3008.23706244669	2991.571147631628	2996.64776048073	79.66594712531002	43.35928464597954
451	72231	-73941.14133	856417.3170250766	39.22664638965285	-101.060347	322153.762392196	434397.1995158	3203.78055878793	3005.428743	2993.6145574072984	2994.55132356198	81.1841573	45.87741957525168
452	72232	-73281.14133	856417.3170250766	39.226651406710026	-101.0580182	322354.81707201459	434396.903404675	3201.716009735017	2994.620598229945	2991.2847350271606	2994.620598229945	87.1884425	50.8039636198918
453	72233	-72621.14133	856417.3170250766	39.22665637878444	-101.0558893	322555.86157576494	434394.88943657	3199.651855880216	2993.073398573175	2991.0857484835983	2991.0857484835983	94.728764952281334	53.06767620261334
454	72234	-71961.14133	856417.3170250766	39.22666135870905	-101.0536306	322756.937466737	434398.57446737	3200.541047341033	2992.549171950536	2992.549171950536	2996.698981165942	101.87015426681273	54.62494908868305
455	72235	-71301.14133	856417.3170250766	39.22666619789484	-101.0510317	322957.9600059369	434398.46172679	3198.816400730287	2996.35746248809	2992.39881	2993.925631819627	103.9569501226916	50.3531302646268
456	72236	-70641.14133	856417.3170250766	39.22667102511102	-101.0487029	323159.009043195	434398.48190485	3194.3794618104	2994.697334329715	2992.3166720570474	2994.697334329715	105.900622763653	50.04629758401915
457	72237	-69981.14133	856417.3170250766	39.22667581754235	-101.0463741	323360.0578542359	434398.28435146	3192.859481662046	2993.858988294247	2996.808293316616	2997.559671050626	116.45993186730202	54.6993186730202
458	72238	-69321.14133	856417.3170250766	39.226680564414785	-101.0440453	323561.106491309	434398.282166151	3191.38107314338	2991.669178832323	2994.099136164196	2993.3181243973113	118.87015426681273	44.651043459821036
459	72239	-68661.14133	856417.3170250766	39.22668526659479	-101.0417169	323762.150596155	434398.18209	3190.39072811838	2990.782425113327	2993.90252279852	2993.90252279852	120.0227013480625	45.6423348882519
460	72240	-68001.14133	856417.3170250766	39.22669092379671	-101.0393377	323963.2034861254	434394.79568173	3188.88455255756	2997.616715281616	2993.32162485494	2993.32162485494	121.29970905205126	44.7505952056126
461	72241	-67341.14133	856417.3170250766	39.2266958794804	-101.0370374	324164.2514791358	434398.07832496	3186.29643190718	2996.29643190718	2992.549171950536	2992.549171950536	122.70470540744	44.7505952056126
462	72242	-66681.14133	856417.3170250766	39.226699103270861	-101.03473	324365.2994187074	434396.77079376	3184.88825320074	2997.524653429125	2993.739607	2993.739607	123.95054662242024	45.045665236744
463	72243	-66021.14133	856417.3170250766	39.226703625477086	-101.0324012	324566.3471955047	434396.758519951	3187.589714084611	2996.408528418456	2993.189500008208	2997.2347176117138	125.0192802337426	39.24587132470742
464	72244	-65361.14133	856417.3170250766	39.22670810274054	-101.0300724	324767.39480075147	434398.746	3185.502867235967	2995.7544996170185				

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogsKrg	BRElevBothKrg	SatHLogsKrg	SatHBothKrg	
545	95	72325	-11901.141327	856417.3170250766	39.26929137239669	-100.8414379	341051.700823605	34534.734731	3057.97241024222	219.830375	2860.679573083489	2960.600553753516	59.1509997049141	59.23001093043631
546	95	72326	-11921.141133	856417.3170250766	39.2692521161044846	-100.8391101	341252.73432487176	343570.37330563	3056.937505796237	219.758304471519	2867.245128935844	2857.215814847304	61.4899014873004	61.5192135278305
547	95	72327	-10981.141327	856417.3170250766	39.269266349470986	-100.8367092	341463.748224941	343366.376808087	3056.823696415937	219.751819494746	2858.076810897323	2858.170031145621	51.832963934458	51.832963934458
548	95	72328	-11921.141133	856417.3170250766	39.2692630339165	-100.8345514	341654.802348672	343562.379667142	3055.943160904117	219.6164577071946	2855.949021742854	2855.911371936925	60.5257790278008	60.034127105253326
549	95	72329	-9261.141327	856417.3170250766	39.269242527090111	-100.8321226	341855.8310204644	343558.383007705	3053.445396379157	219.53205437025304	2853.6220645463513	2853.754744600741	61.69849175617902	61.5630692
550	95	72330	-8601.141327	856417.3170250766	39.26920487	-100.8297337	342056.8697378576	343562.385620806	3052.255687	219.415475753372	2854.529804600888	2854.640387196005	59.6216710932311	59.51108855736675
551	95	72331	-7941.141327	856417.3170250766	39.26920545	-100.8274649	342257.9032017676	343550.3902301695	3050.789846722966	219.21697164464867	2857.5611423758246	2857.8829554504327	55.40857407604416	55.086709961263
552	95	72332	-7281.141327	856417.3170250766	39.26925948285825	-100.8251361	342458.9365	343546.39413118	3049.04786734356	219.1763227223306	2860.2133244191567	2860.702566	51.6529683037491	51.07375597396049
553	95	72333	-6621.141327	856417.3170250766	39.26926542051918	-100.8228073	342659.9696914826	343562.376808087	3048.9596415937	219.0157219494746	2858.076810897323	2858.170031145621	52.8336393074231	52.46216367526365
554	95	72334	-5961.141327	856417.3170250766	39.269265055325	-100.8204784	342861.0026730495	343548.4027190576	3045.563205574269	219.093602146222	2859.631462123875	2859.66502505791	50.7269002254317	50.7269002254317
555	95	72335	-5301.141327	856417.3170250766	39.26927234632065	-100.8181498	342962.0355	343543.406849066	3042.35373976075	219.0813361384825	2859.927588720458	2859.904756234384	48.2603275643668	48.193037156076945
556	95	72336	-4641.141327	856417.3170250766	39.26927575	-100.8158208	343053.0682229375	343530.411456238	3037.734819571734	219.06500133125107	2861.46238449504	2861.541429256657	45.3577938684490	45.3577938684490
557	95	72337	-3981.141327	856417.3170250766	39.2692786773982	-100.813492	343464.10076804704	343542.414624729	3039.0965051676733	219.05658184089594	2863.254060838763	2863.419807	42.4025857385164	42.238113224945
558	95	72338	-3321.141327	856417.3170250766	39.26928116128796	-100.811631	343665.13161493	343542.41212408	3028.457107063474	219.0445332651804	2865.331490771758	2865.8047317132653	39.07304249342236	38.99802091121508
559	95	72339	-2661.141327	856417.3170250766	39.2692831999447	-100.8088343	343866.1560248036	343538.422	3028.457107063474	219.0445332651804	2865.331490771758	2865.8047317132653	39.07304249342236	38.99802091121508
560	95	72340	-2001.141327	856417.3170250766	39.26928478876864	-100.806905	344067.19192240761	343541.43160586	3025.762327496034	219.0187228810148	2871.3030281460435	2872.768758698906	30.5687007250042	30.5687007250042
561	95	72341	-1341.141327	856417.3170250766	39.26928592775884	-100.8047167	344268.2294	343541.43160586	3025.762327496034	219.0187228810148	2871.3030281460435	2872.768758698906	30.5687007250042	30.5687007250042
562	95	72342	-681.1413269	856417.3170250766	39.2692869169185	-100.8018478	344469.2612135152	343506.420219425	3025.263613109194	219.00930769196494	2878.4133645633434	2880.342593569356	22.6704063433434	18.9614075573134
563	95	72343	-21.14132693	856417.3170250766	39.2692869	-100.799519	344670.29285130196	343502.484777578	3026.87036295847	219.00930769196494	2878.4133645633434	2880.342593569356	22.6704063433434	18.9614075573134
564	95	72344	638.85867303514	856417.3170250766	39.26928664573656	-100.7971902	344871.3423352094	343502.484777578	3026.87036295847	219.00930769196494	2878.4133645633434	2880.342593569356	22.6704063433434	18.9614075573134
565	95	72345	1298.85867303514	856417.3170250766	39.2692898539665	-100.7948613	345072.356668245	343502.484777578	3026.87036295847	219.00930769196494	2878.4133645633434	2880.342593569356	22.6704063433434	18.9614075573134
566	95	72346	1958.85867303514	856417.3170250766	39.2692846722396	-100.792525	345273.3865051305	343490.467484048	3027.728937407206	219.0177322723306	2860.09407563814	2861.00880420552	34.9476478007919	31.03581192417241
567	95	72347	2618.85867303514	856417.3170250766	39.2692846722396	-100.7902819	345467.4788251474	343490.467484048	3027.728937407206	219.0177322723306	2860.09407563814	2861.00880420552	34.9476478007919	31.03581192417241
568	95	72348	3278.85867303514	856417.3170250766	39.269281053537964	-100.787749	345675.4874561103	343482.480961526	3025.0590098725	219.034498989595	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
569	95	72349	3938.85867303514	856417.3170250766	39.2692788457084	-100.785546	345876.4794957103	343478.48	3020.15082739914	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
570	95	72350	4598.8586730351	856417.3170250766	39.2692759	-100.7832172	346077.51007749164	343474.404962322	3025.2055868791005	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
571	95	72351	5258.8586730351	856417.3170250766	39.26927275686725	-100.7808884	346278.54050958634	343470.502280481	3024.4799246351945	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
572	95	72352	5918.8586730351	856417.3170250766	39.26926876769774	-100.7785596	346479.5709724254	343466.509786733	3026.973034235187	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
573	95	72353	6578.8586730351	856417.3170250766	39.26926542051918	-100.7762578	346680.6009292972	343466.509786733	3026.973034235187	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
574	95	72354	7238.8586730351	856417.3170250766	39.269259791005234	-100.7739179	346891.52091005234	343455.52334866	3025.0590098725	219.034498989595	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
575	95	72355	7898.8586730351	856417.3170250766	39.2692546411922	-100.7715731	347082.66075461654	343454.53379968	3023.503994400551	219.08147139215257	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
576	95	72356	8558.8586730351	856417.3170250766	39.2692490326915	-100.7692442	347283.69043255853	343454.53379968	3023.503994400551	219.08147139215257	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
577	95	72357	9218.8586730351	856417.3170250766	39.2692429743581	-100.7669154	347484.7199710845	343454.53379968	3023.503994400551	219.08147139215257	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
578	95	72358	9878.8586730351	856417.3170250766	39.269234661919	-100.7645866	347685.7493613985	343446.55001034	3023.291113129861	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
579	95	72359	10538.8586730351	856417.3170250766	39.2692295	-100.7622578	347886.778603705	343436.567369914	3026.270809836922	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
580	95	72360	1119.8586730351	856417.3170250766	39.2692295	-100.759289	348087.078082926	343434.576	3026.270809836922	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
581	95	72361	11858.8586730351	856417.3170250766	39.2692214026971	-100.7570001	348288.8364511505	343434.576	3026.270809836922	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
582	95	72362	12518.8586730351	856417.3170250766	39.26920953520006	-100.7552713	348489.854462996	343434.576	3026.270809836922	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
583	95	72363	13178.8586730351	856417.3170250766	39.2691971778055	-100.7529425	348690.84909558	343422.604	3025.2055868791005	219.0897549119335	2853.9165096513	2855.020032371156	37.352800104822	35.32360638979246
584	95	72364	13838.8586730351	856417.3170250766	39.26918797070816	-100.7506136	348891.9226022981	343416.613925183	3021.56032440138	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
585	95	72365	14498.8586730351	856417.3170250766	39.26917831731324	-100.7482846	349092.951	343414.613925183	3021.56032440138	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
586	95	72366	15158.8586730351	856417.3170250766	39.2691664837776	-100.745956	349293.9197285154	343410.63812652	3025.48342140685	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
587	95	72367	15818.8586730351	856417.3170250766	39.269154026971	-100.7436278	349494.978821987	343404.613925183	3025.48342140685	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
588	95	72368	16478.8586730351	856417.3170250766	39.2691466437276	-100.7412993	349696.0352758503	343402.645129017	3026.751292303248	219.0769639303318	2822.5316667803013	2822.5316667803013	54.4649920271663	54.4649920271663
589	95	72369	17138.8586730351	856417.3170250										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.f	BRIEVBothKrg.f	AttnHLogsKrg.f	SurfBoth.f
671	98	72451	71258.85867307335	856417.3170250766	-00.269666499224336	-00.5480063	36680.863601478	4343072.146532392	29032028309576884	217.1815646533632	2675.7124145837824	2672.4770661752727	42.4691500698079	45.4704489
672	98	72452	71193.85867307335	856417.3170250766	-00.2666161999731	-00.5456778	36681.8797325057	4343068.172800705	2832.626521191256	2176.8264907111308	2678.5014336951606	2674.7051752426463	38.3205157956201	42.7743816846759
673	98	72453	7253.85867307335	856417.3170250766	-00.2665669185024	-00.5433486	36672.89867602067	4343064.197807052	2931.3032114281653	2715.4704383035007	2682.0169610287553	2678.1870111841167	35.453861191845408	39.28387181938976
674	98	72454	72328.85867307335	856417.3170250766	-00.2665172659241	-00.5410198	36683.9121910483	4343060.227513581	2832.073061953002	2714.11273561056	2685.8006160116126	2678.356116138925	28.1156754493748	35.74836174176383
675	98	72455	73898.85867307335	856417.3170250766	-00.26646471241703	-00.538691	367184.9281777188	4343056.249687032	2831.8653663963537	2712.750431119086	2689.016763446828	2679.938727594262	23.7336676225798	32.31165852
676	98	72456	74558.85867307335	856417.3170250766	-00.2636322	-00.5363622	367385.1645325892	4343052.276027014	2831.71947365131	2711.38325124137504	2691.201145092174	2678.0272411375704	20.18217013808022	33.6601010973055
677	98	72457	75218.85867307335	856417.3170250766	-00.2663654911808	-00.5340334	367586.9597668037	4343048.302520302	2831.7552984801273	2710.0882255350461	2691.472871243577	2672.399306405171	18.353951279148776	37.69561641789236
678	98	72458	75878.85867307335	856417.3170250766	-00.2663136999452	-00.5317346	367787.9735696238	4343044.29148559	2831.4311411243216	2710.6252637412419	2689.8617851027107	2669.4894946142804	18.76347863970841	39.13065210113868
679	98	72459	76538.85867307335	856417.3170250766	-00.2662652	-00.5297578	367888.9964491306	4343040.35586751	2831.563959073053	2707.2309395	2696.813824153502	2667.2912356768847	20.68561724597816	39.83915971182055
680	98	72460	77198.85867307335	856417.3170250766	-00.26620956799224	-00.527047	368190.50192832	4343036.382340441	2831.971105448004	2705.821400260127	2692.8352245574435	22.88617510296354	39.47281626859204	39.47281626859204
681	98	72461	77858.85867307335	856417.3170250766	-00.2661586	-00.5247182	368391.0214136824	4343032.401113048	2831.97315991362	2704.366260105669	2679.513476729281	2665.2673837688034	39.1335461712807	39.1335461712807
682	98	72462	78518.85867307335	856417.3170250766	-00.2661033673124	-00.5223864	368592.036507573	4343028.437	2832.7872134858604	2702.95209064336	2676.438996872742	2665.460765012217	37.1039377024929	37.4913256381092
683	98	72463	79178.85867307335	856417.3170250766	-00.2660497963604	-00.5200696	368793.0514747505	4343024.64889053	2831.241943546367	2701.4878667565243	2674.1425512465676	2667.598868822873	27.34531518895404	33.88917842950016
684	98	72464	79838.85867307335	856417.3170250766	-00.2659950661361	-00.5177318	368994.06631540845	4343020.42969033	2827.743734398962	2700.005307444639	2672.723419676456	2667.853003670124	27.1288806818296	32.15230417427545
685	98	72465	80488.85867307335	856417.3170250766	-00.265940496613894	-00.5151403	369195.98202975396	4343016.52084717	2824.244751251387	2698.504497775873	2671.9449126945383	2668.936494504584	26.559984541436876	29.56790350425279
686	98	72466	81158.85867307335	856417.3170250766	-00.2658893762086	-00.5131471	369396.0951719932	4343012.54865202	2820.746151038114	2696.865911375644	2671.860537386671	2670.310211167051	25.125383989288	26.6756802081263
687	98	72467	81818.85867307335	856417.3170250766	-00.265830366116	-00.5107453	369597.1100803821	4343006.577	2816.171798093089	2695.400223718472	2671.6523638229117	2671.4263638229117	23.79629648835575	24.024259340837
688	98	72468	82478.85867307335	856417.3170250766	-00.2657743471086	-00.5084165	369798.12441696814	4343005.65327423	2816.215853670679	2695.900221373525	2668.9577421048014	2669.4924972687131	24.40737231813946	24.40737231813946
689	98	72469	83138.85867307335	856417.3170250766	-00.2657179077795	-00.5060877	369999.1386	4343000.63334744	2814.81751091459	2692.36669041096	2662.326121238875	2662.884539690056	25.50574802223346	29.4517235109216
690	98	72470	83798.85867307335	856417.3170250766	-00.265651	-00.5037589	370200.15271397185	4342996.662712425	2813.271456468429	2690.762317	2654.972306658694	2664.127149507385	30.79007124903514	43.6536198287130
691	98	72471	84458.85867307335	856417.3170250766	-00.2656036796426	-00.5014031	370401.16667474364	4342992.691889596	2811.5769536288476	2689.178798	2648.202452959604	2648.2611789504504	49.9782310167945	40.9176186800948
692	98	72472	85118.85867307335	856417.3170250766	-00.2655458069356	-00.4991013	370601.1805106399	4342988.70353535	2808.93062388476	2687.580150898634	2642.148730743502	2642.148730743502	45.43824381962425	46.75230779937738
693	98	72473	85738.85867307335	856417.3170250766	-00.265492212005	-00.4964681	370814.9422185933	4342984.1922185933	2808.2921142591653	2686.92717504068	2641.5522474594943	2641.5522474594943	45.5005219202654	45.7489272887254
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695	98	72475	87048.85867307335	856417.3170250766	-00.2653869	-00.4921419	371205.22172109475	4342978.03653422	2807.51377648216	2682.787157125575	2629.14029834813	2628.850617096797	53.64685878	53.63965400277838
696	98	72476	87758.85867307335	856417.3170250766	-00.2653102373507	-00.4897861	371406.234695192	4342973.83221594	2810.859606524474	2681.1876109694635	2626.339780037527	2626.148033383594	54.8478030337926	55.0359716308643
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698	98	72478	89078.85867307335	856417.3170250766	-00.2651897	-00.4851285	371808.2609150337	4342964.899	2817.551249627312	2678.004212942544	2621.1734695813	2621.1734695813	56.632447947319	56.55112457464344
699	98	72479	89738.85867307335	856417.3170250766	-00.2651286	-00.4827897	372008.14922185933	4342960.89888827	2816.942284171653	2676.92773176565	2618.788174146035	2618.788174146035	57.847265196902	57.847265196902
700	98	72480	90398.85867307335	856417.3170250766	-00.2650704	-00.4804709	372210.286726701	4342956.40484127	2817.01108884157	2676.05161757037	2615.5812011916576	2615.78699113849	59.270377879157	59.0646317510784
701	98	72481	91058.85867307335	856417.3170250766	-00.265005544264	-00.4781421	372411.299447891	4342952.991	2817.31393635047	2673.209361361174	2612.4347886805	2612.620386789718	60.8791476475682	60.67322403720209
702	98	72482	91718.85867307335	856417.3170250766	-00.2649432633669	-00.4758133	372612.3104264864	4342940.02194005	2809.54578926533	2671.7522163354424	2609.198149826893	2609.34039792919	62.4110654252341	62.4110654252341
703	98	72483	92378.85867307335	856417.3170250766	-00.26488055248305	-00.4734845	372813.3245219788	4342945.05318567	2806.762625197126	2670.231074855791	2605.877095650756	2605.8002326888717	64.35401521	64.2451050891938
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705	98	72485	93698.85867307335	856417.3170250766	-00.26475370224138	-00.4688629	373215.3491053695	4342937.116106881	2801.142424571398	2667.4338219697	2599.630723874927	2599.630723874927	67.9370535227716	67.9370535227716
706	98	72486	94338.85867307335	856417.3170250766	-00.264698215884	-00.4664681	373416.3211544143	4342933.1770024	2798.322474594943	2665.5224214594943	2601.32209	2601.32209	68.5005219202654	68.5005219202654
707	98	72487	95018.85867307335	856417.3170250766	-00.26464579703034	-00.4641693	373617.3732027004	4342928.196814068	2796.412634138962	2664.263841	2601.780524712592	2601.780524712592	68.6233611674761	68.6233611674761
708	98	72488	95678.85867307335	856417.3170250766	-00.2645600393681	-00.4618405	373818.308560365	4342925.211337019	2793.43431820763	2663.07150547695	2603.216944421506	2603.100632770504	69.8260210554466	69.8260210554466
709	98	72489	96338.85867307335	856417.3170250766	-00.26449539691	-00.4595117	374019.3961261673	4342921.243420516	2791.18738772521	2661.6920541808413	2604.7962530508913	2604.7962530508913	59.8950561794025	59.8950561794025
710	98	72490	96998.85867307335	856417.3170250766	-00.2644277221261	-00.4571829	374220.4084367724	4342917.262225475	2788.891432634156	2660.37708563756	2606.3442817493077	2606.3442817493077	54.033799081297	54.033799081297
711	98	72491	97658.85867307335	856417.3170250766	-00.264364236795	-00.4548451	374421.4193774078	4342913.308784765	2787.545784735137	2659.08946092538	2607.820652532531	2607.820652532531	51.26938916800736	51.26938916800736
712	98	72492	98318.85867307335	856417.3170250766	-00.26429551319974	-00.4525273	374622.431920521	4342909.34152661	2784.05424631377	2657.826485285405	2606.37467752521	2606.37467752521	48.490751241735	48.490751241735
713	98	72493	98938.85867307335	856417.3170250766	-00.2642361816124	-00.4501683	374823.149847828	4342905.374481128	2783.05424631377	2656.826485285405	2605.431989142365	2605.431989142365	49.9782310167945	49.9782310167945
714	98	72494	99638.85867307335	856417.3170250766	-00.264160713898	-00.4476677	375024.4375020514	4342901.407549283	2782.07170273374	2655.35710510254	2604.77525021			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	LatHtKgr.f	SurfHtKgr.f
75	7577	-333981.1413	857077.3170250766	39.22298206695956	-101.97787728	242928.65253147786	345478.058	3907.3549010939587	3727.11603824449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
58	7578	-333321.1413	857077.3170250766	39.2304040614142	-101.975443	243128.7864545089	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
59	7579	-332961.1413	857077.3170250766	39.2304040614142	-101.975443	243128.7864545089	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
60	7580	-332001.1413	857077.3170250766	39.2305014969153	-101.970873	243325.020110613	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
61	7581	-331341.1413	857077.3170250766	39.23207375400615	-101.968588	243733.1866524124	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
62	7582	-330681.1413	857077.3170250766	39.2320651334703	-101.9662302	243934.3195557624	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
63	7583	-330021.1413	857077.3170250766	39.2321187271148	-101.9639017	244135.4521985251	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
64	7584	-329361.1413	857077.3170250766	39.23214022910755	-101.9615732	244336.5845877336	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
65	7585	-328701.1413	857077.3170250766	39.2321671527075	-101.9595447	244537.5402875948	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
66	7586	-328041.1413	857077.3170250766	39.2321851007775	-101.9569161	244738.9496532097	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
67	7587	-327381.1413	857077.3170250766	39.23220743544448	-101.9545876	244939.9802361036	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
68	7588	-326721.1413	857077.3170250766	39.23222972494227	-101.9525291	245141.1161315846	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
69	7589	-326061.1413	857077.3170250766	39.23235196946055	-101.9499305	245342.2437378553	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
70	7590	-325401.1413	857077.3170250766	39.23237416901581	-101.947602	245543.7336909808	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
71	7591	-324741.1413	857077.3170250766	39.23239623591947	-101.9452738	245744.5042997962	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
72	7592	-324081.1413	857077.3170250766	39.2324179113353	-101.942949	245945.6345981579	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
73	7593	-323421.1413	857077.3170250766	39.23243049782038	-101.9406164	246146.7647	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
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75	7595	-322101.1413	857077.3170250766	39.23248462163376	-101.9359593	246549.02429362047	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
76	7596	-321441.1413	857077.3170250766	39.23249641286798	-101.9336307	246750.1355658423	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
77	7597	-320781.1413	857077.3170250766	39.23251830659824	-101.9313022	246951.282	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
78	7598	-320121.1413	857077.3170250766	39.2325403594142	-101.9289737	247152.4116285471	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
79	7599	-319461.1413	857077.3170250766	39.2325628113585	-101.9266451	247353.5402875948	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
80	7600	-318801.1413	857077.3170250766	39.23258539974253	-101.9243166	247554.6655940457	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
81	7601	-318141.1413	857077.3170250766	39.23261518095261	-101.921988	247755.796706207	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
82	7602	-317481.1413	857077.3170250766	39.23263506633145	-101.9196595	247956.9246997537	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
83	7603	-316821.1413	857077.3170250766	39.23265575516546	-101.9173309	248158.0521868927	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
84	7604	-316161.1413	857077.3170250766	39.2326804242532	-101.9150023	248359.1795413917	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
85	7605	-315501.1413	857077.3170250766	39.23270176835945	-101.912678	248560.3069875175	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
86	7606	-314841.1413	857077.3170250766	39.2327234511886	-101.9103453	248761.156190271	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
87	7607	-314181.1413	857077.3170250766	39.23264468030336	-101.9080167	248962.5603103694	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
88	7608	-313521.1413	857077.3170250766	39.23266607031342	-101.9056811	249163.6864658485	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
89	7609	-312861.1413	857077.3170250766	39.23268741534848	-101.9033596	249364.8126136789	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
90	7610	-312201.1413	857077.3170250766	39.23270871540968	-101.901031	249565.938425533	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
91	7611	-311541.1413	857077.3170250766	39.23272997040391	-101.8986724	249767.0641034712	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
92	7612	-310881.1413	857077.3170250766	39.2327511805434	-101.8963739	249968.1069744728	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
93	7613	-310221.1413	857077.3170250766	39.2327724572397	-101.8940543	250169.3146019237	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
94	7614	-309561.1413	857077.3170250766	39.23279346590004	-101.8917167	250370.3494799833	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
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96	7616	-308241.1413	857077.3170250766	39.23283551295496	-101.8870596	250772.688494738	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
97	7617	-307581.1413	857077.3170250766	39.23285565530512	-101.884731	250973.8126318402	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
98	7618	-306921.1413	857077.3170250766	39.23287496790365	-101.882424	251174.9365223667	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
99	7619	-306261.1413	857077.3170250766	39.232894237487	-101.880128	251376.060162127	345473.480	3907.3549010939587	3727.3071160382449	3657.9667186229135	3676.76523939096	3676.76523939096	41.94331962	50.35081285353954
100	7620	-305601.1413	857077.3170250766	39.2329146238433	-101.8777453	251577.138545258	345473.480	3907.3549010939587						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThkLogS.ft	SatThkBoth.ft
187	7270	-250821.1413	857077.3170250766	39.2254930358642	-101.684469	268269.5879293342	4325432.5478849185	3686.939042599135	3507.463549238886	3507.4635492393274	3514.123266	3514.123266	3514.123266	3514.123266
188	7270	-250161.1413	857077.3170250766	39.22551010284123	-101.6821404	268470.6913811840	4352030.515332248	3686.435420757701	3505.581700161454	3494.6371254940784	3514.619780467894	3514.619780467894	3514.619780467894	3514.619780467894
189	7270	-249501.1413	857077.3170250766	39.225523130117726	-101.6798117	268671.7940651454	4352026.3796462989	3686.9371896916267	3503.70626116144	3494.6371254940784	3514.619780467894	3514.619780467894	3514.619780467894	3514.619780467894
184	7268	-248841.1413	857077.3170250766	39.225544112415854	-101.677483	268527.89706806616	4352039.49894939	3685.428177039498	3501.8377021707824	3494.6371254940784	3514.619780467894	3514.619780467894	3514.619780467894	3514.619780467894
187	7270	-248181.1413	857077.3170250766	39.22556104973561	-101.6751543	269074.0003670807	435218326	3684.181595107566	3499.974799114956	3494.382520539612	3514.7598419746537	3514.7598419746537	3514.7598419746537	3514.7598419746537
188	7270	-247521.1413	857077.3170250766	39.22557704270699	-101.6728256	269275.1020661926	4352144.262903232	3682.192053014468	3498.19196020439	3493.628587	3509.45496068095	3509.45496068095	3509.45496068095	3509.45496068095
189	7270	-246861.1413	857077.3170250766	39.22558478943989	-101.670487	269476.20522175315	4352010.200366275	3680.202511	3496.2693372882663	3492.4283820921455	3511.6861905717456	3511.6861905717456	3511.6861905717456	3511.6861905717456
190	7270	-246201.1413	857077.3170250766	39.22561159182434	-101.6681683	269677.3073007407	4352061.139739407	3678.212968828272	3494.423761299628	3491.9409110256556	3511.677370269944	3511.677370269944	3511.677370269944	3511.677370269944
191	7270	-245541.1413	857077.3170250766	39.22562349262028	-101.6658586	269879.4091594484	4352027.0756462989	3675.724968690437	3492.56985141723	3491.358845286914	3509.654695	3509.654695	3509.654695	3509.654695
192	7272	-244881.1413	857077.3170250766	39.22564505165767	-101.6635109	270079.51078486705	435193.013619599	3677.7376944778563	3490.74172487953	3492.4992077432275	3509.208370375924	3509.208370375924	3509.208370375924	3509.208370375924
193	7273	-244221.1413	857077.3170250766	39.22566172910651	-101.6611822	270280.6211861917	435196.551759359	3669.7506922752927	3488.904570834424	3491.6157248426425	3507.873103873742	3507.873103873742	3507.873103873742	3507.873103873742
194	7274	-243561.1413	857077.3170250766	39.22567835157677	-101.6588535	270481.7133606426	435189.89002823	3666.763690727207	3487.014061963654	3490.761123793073	3507.28836282684	3507.28836282684	3507.28836282684	3507.28836282684
195	7275	-242901.1413	857077.3170250766	39.22569459068375	-101.6565248	270682.8140341197	435185.828590371	3664.078271633676	3485.241926537385	3489.933623052808	3506.884297	3506.884297	3506.884297	3506.884297
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197	7277	-241581.1413	857077.3170250766	39.22572794911557	-101.6518679	271085.01525473655	435179.706157613	3659.3083799310984	3481.9959969957485	3488.25311663211	3504.04042924546	3504.04042924546	3504.04042924546	3504.04042924546
198	7278	-240921.1413	857077.3170250766	39.22574439167112	-101.6495388	271286.1157937005	435173.645317305	3656.923565314964	3479.778202900095	3487.54175604867	3503.00248114876	3503.00248114876	3503.00248114876	3503.00248114876
199	7279	-240261.1413	857077.3170250766	39.22576078924787	-101.6472710	271487.21538681024	435169.58461029	3655.064798976924	3477.966254264807	3486.819095329252	3501.82816454861	3501.82816454861	3501.82816454861	3501.82816454861
200	7279	-239601.1413	857077.3170250766	39.22577714148587	-101.6448814	271688.3165654206	435165.523888785	3653.73180779284	3476.19527114167	3486.454028665974	3502.348727426401	3502.348727426401	3502.348727426401	3502.348727426401
201	7279	-238941.1413	857077.3170250766	39.22579349464507	-101.6425527	271889.41526427584	435161.463005066	3652.3888154606764	3474.350684142408	3486.109507272446	3502.338165928447	3502.338165928447	3502.338165928447	3502.338165928447
202	7279	-238281.1413	857077.3170250766	39.22580971213474	-101.640224	272090.514730081	435157.403	3651.065823842676	3472.564146575411	3486.0348019272144	3502.233637	3502.233637	3502.233637	3502.233637
203	7279	-237621.1413	857077.3170250766	39.22582592977487	-101.6378953	272291.6138547373	435153.342374137	3650.482294676414	3470.7604383288	3486.299831451582	3503.1732899707	3503.1732899707	3503.1732899707	3503.1732899707
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205	7279	-236301.1413	857077.3170250766	39.2258593016086	-101.633247	272693.0715155854	435145.224	3648.23484107221	3467.9484248407221	3484.027830359912	3500.9300912	3500.9300912	3500.9300912	3500.9300912
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208	7279	-234321.1413	857077.3170250766	39.2259063439779	-101.6262518	273297.1061950043	435133.045932992	3644.855629734895	3462.017616654475	3495.664253361576	3503.9532735694	3503.9532735694	3503.9532735694	3503.9532735694
209	7279	-233661.1413	857077.3170250766	39.22592239118529	-101.6239231	273498.203990139	435128.987016681	3640.717342118496	3460.295256	3499.415638866536	3505.17946724892	3505.17946724892	3505.17946724892	3505.17946724892
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211	7279	-232341.1413	857077.3170250766	39.22595405618282	-101.6192619	273900.3987184564	435120.969773524	3636.98309947454	3456.7398303384617	3505.7398303384617	3504.02178	3504.02178	3504.02178	3504.02178
212	7279	-231681.1413	857077.3170250766	39.22596984674314	-101.6169399	274101.490374531	435116.157137461	3635.93296121131	3455.187716873392	3501.97516482997	3506.8507706217645	3506.8507706217645	3506.8507706217645	3506.8507706217645
213	7279	-231021.1413	857077.3170250766	39.22598563254412	-101.6146082	274302.592040985	435112.753190034	3626.8869478039337	3453.500092744936	3495.8097231155543	3489.810162847805	3489.810162847805	3489.810162847805	3489.810162847805
214	7279	-230361.1413	857077.3170250766	39.22600135543589	-101.6122795	274503.686199535	435108.695194333	3623.837762567544	3451.820473596633	3489.734723296784	3480.205872319652	3480.205872319652	3480.205872319652	3480.205872319652
215	7279	-229701.1413	857077.3170250766	39.2260170334839	-101.6099508	274704.786072313	435105.4637816505	3622.189380002579	3450.156995592366	3483.774254	3478.098790239864	3478.098790239864	3478.098790239864	3478.098790239864
216	7279	-229041.1413	857077.3170250766	39.2260326628166	-101.6076221	274905.80232113973	435104.579575284	3621.941799841408	3448.476424202883	3478.51807725576	3478.51807725576	3478.51807725576	3478.51807725576	3478.51807725576
217	7279	-228381.1413	857077.3170250766	39.22604824223561	-101.6052934	275106.978348796	435092.522308021	3621.69421968026	3446.812454023897	3473.58159629948	3480.56226550926	3480.56226550926	3480.56226550926	3480.56226550926
218	7279	-227721.1413	857077.3170250766	39.22606379721021	-101.602947	275308.0741555854	435092.454677055	3621.44632519095	3445.15355727482	3469.43969405758	3478.9694654758	3478.9694654758	3478.9694654758	3478.9694654758
219	7279	-227061.1413	857077.3170250766	39.2260792905405	-101.600636	275509.166848163	435088.407969798	3620.531828102807	3443.4694592973814	3465.786088097435	3477.4260747232627	3477.4260747232627	3477.4260747232627	3477.4260747232627
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221	7279	-225741.1413	857077.3170250766	39.2261101562578	-101.5959785	275911.3601582793	435080.294367473	3617.36482760437	3440.20438639792	3459.7766392614353	3478.083278	3478.083278	3478.083278	3478.083278
222	7279	-225081.1413	857077.3170250766	39.22612552	-101.5936498	276112.4550632463	435076.782740226	3615.7817110892207	3438.56264903365	3457.520193871614	3476.72577765082	3476.72577765082	3476.72577765082	3476.72577765082
223	7279	-224421.1413	857077.3170250766	39.226140837392336	-101.5913211	276313.5497473139	435072.815004402	3614.724934390415	3436.924604034365	3455.368046745544	3475.1948937427233	3475.1948937427233	3475.1948937427233	3475.1948937427233
224	7279	-223761.1413	857077.3170250766	39.22615611449035	-101.5889924	276516.44421063196	435068.135427309	3614.200808009999	3435.288959741513	3453.494538379192	3473.671849852368	3473.671849852368	3473.671849852368	3473.671849852368
225	7279	-223101.1413	857077.3170250766	39.22617167008915	-101.586672	276718.59290986	435064.6569498231</							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Ls	BRElevBothKrg.	SatElevBothKrg.	SatHtgs.	SatHtBoth.
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310	7830	-167001.1413	857077.3170250766	39.27331	-101.3887191	293807.9650051073	4344719.982767756	4458.4595631107757	327.37410668972123	3257.573746097948	3257.3821446885819	16.79735079266325	16.9687202963079	
311	7831	-166281.1413	857077.3170250766	39.22732168541233	-101.383804	294009.0416540654	4344715.942656839	4458.41144388797	327.7624071335368	3255.660541933377	3255.660541933377	17.054807132717987	17.1271327132717987	
312	7832	-165681.1413	857077.3170250766	39.27330	-101.384016	294210.1166868203	4344711.96868203	4457.361356974089	327.0124199897691	3253.36055519628	3253.36055519628	17.09314427806303	17.304447176043595	
313	7833	-165021.1413	857077.3170250766	39.2733250702675	-101.3817328	294411.19526269206	4344707.862734577	4456.30647558924	326.6837296937264	3251.124691041757	3251.124691041757	18.15260859656242	17.77937374840167	
314	7834	-164621.1413	857077.3170250766	39.273446486133	-101.379404	294612.76676338205	4344703.932039219	4455.25789914037	326.0812243331593	3248.632568414158	3248.632568414158	18.4696919001087	17.75669205495277	
315	7835	-163701.1413	857077.3170250766	39.27335677414135	-101.3770752	294813.3431983975	4344696.78365033	4453.806643219828	326.653471376821	3246.112375674377	3246.112375674377	18.61260859656242	17.77937374840167	
316	7836	-163041.1413	857077.3170250766	39.2736880595512	-101.374764	295014.4182	4344694.74360011	4451.9558801123953	324.659650929369	3243.650470745323	3243.650470745323	18.4696919001087	18.17617784404136	
317	7837	-162281.1413	857077.3170250766	39.273986947429	-101.3724176	295215.4936355687	4344691.705281147	4450.1051168989624	323.854665978757	3241.2473219180755	3241.2473219180755	18.61260859656242	18.4696919001087	
318	7838	-161721.1413	857077.3170250766	39.273909434378	-101.370088	295416.567693037	4344687.66543048	4448.24354	323.941767152454	3238.805739401558	3238.805739401558	18.77937374840167	18.77937374840167	
319	7839	-161061.1413	857077.3170250766	39.2740194307026	-101.367776	295614.618217793	4344683.62738353	4446.587736297307	320.4281613184876	3236.6432812163916	3236.6432812163916	18.77937374840167	18.77937374840167	
320	7840	-160401.1413	857077.3170250766	39.274128995507	-101.3654312	295818.7163495124	4344679.589	4445.105376727068	325.8174550294497	3234.5402722450507	3234.5402722450507	18.77937374840167	18.77937374840167	
321	7841	-159741.1413	857077.3170250766	39.2742380921221	-101.3631024	296019.7903737793	4344675.565732093	4443.622979823964	321.4517593395167	3232.419526827789	3232.419526827789	18.77937374840167	18.77937374840167	
322	7842	-159081.1413	857077.3170250766	39.274346149191926	-101.3607736	296220.86420260463	4344671.512555894	4442.140582921132	325.914214241277	3230.227711433274	3230.227711433274	18.77937374840167	18.77937374840167	
323	7843	-158421.1413	857077.3170250766	39.2744549419869	-101.358448	296426.9376283924	4344667.474562608	4440.9617462041738	324.429648848548	3227.979282488428	3227.979282488428	18.77937374840167	18.77937374840167	
324	7844	-157761.1413	857077.3170250766	39.27456269205454	-101.356116	296623.0112353095	4344663.437	4438.0046756715405	325.914214241277	3225.914214241277	3225.914214241277	18.77937374840167	18.77937374840167	
325	7845	-157101.1413	857077.3170250766	39.2746692939255	-101.3537872	296824.0847948226	4344659.39125932	4436.91421338976	325.91421338976	3224.72098972709	3224.72098972709	18.77937374840167	18.77937374840167	
326	7846	-156441.1413	857077.3170250766	39.27477668219103	-101.3514584	297025.157051932	4344654.36182172	4434.815930604130	325.91421338976	3223.05762783783	3223.05762783783	18.77937374840167	18.77937374840167	
327	7847	-155781.1413	857077.3170250766	39.2748832436076	-101.3491296	297226.2033128795	4344651.324421403	4432.67102941927	324.8277692170984	3221.597171794364	3221.597171794364	18.77937374840167	18.77937374840167	
328	7848	-155121.1413	857077.3170250766	39.2749891944847	-101.3468008	297427.303	4344647.287437354	4430.576495977835	324.712355861816	3219.749655438774	3219.749655438774	18.77937374840167	18.77937374840167	
329	7849	-154461.1413	857077.3170250766	39.2750949655407	-101.344472	297628.375385494	4344643.25049165	4428.9167969735887	323.4057696740623	3217.983807469305	3217.983807469305	18.77937374840167	18.77937374840167	
330	7850	-153801.1413	857077.3170250766	39.275197467762	-101.3421431	297829.4671312528	4344639.31737637	4426.947435989144	324.420437760715	3216.1542425983	3216.1542425983	18.77937374840167	18.77937374840167	
331	7851	-153141.1413	857077.3170250766	39.2752986424196	-101.3398384	298029.4671312528	4344635.1816780287	4424.925087620827	323.51181969755215	3214.382168924015	3214.382168924015	18.77937374840167	18.77937374840167	
332	7852	-152481.1413	857077.3170250766	39.275340893455	-101.3374855	298231.5915745655	4344631.10469679	4422.9156627832	324.169413270623	3212.463421537444	3212.463421537444	18.77937374840167	18.77937374840167	
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334	7854	-151161.1413	857077.3170250766	39.275361545355485	-101.3328279	298633.7643186746	4344623.08719916	4419.50673533927	323.0420806977316	3208.750883365786	3208.750883365786	18.77937374840167	18.77937374840167	
335	7855	-150501.1413	857077.3170250766	39.275371825568226	-101.3304991	298834.80587841076	4344619.03292355	4417.92271945668	322.7109225068166	3206.8319687408525	3206.8319687408525	18.77937374840167	18.77937374840167	
336	7856	-149841.1413	857077.3170250766	39.27538260078676	-101.3281703	299035.87891718317	4344614.997310022	4415.9167158243235	323.4089710513166	3204.50778110337	3204.50778110337	18.77937374840167	18.77937374840167	
337	7857	-149181.1413	857077.3170250766	39.2753926215474	-101.3258127	299236.9478	4344610.1816780287	4413.925087620827	323.51181969755215	3202.68196924015	3202.68196924015	18.77937374840167	18.77937374840167	
338	7858	-148521.1413	857077.3170250766	39.27540239631302	-101.3235127	299438.0184022334	4344606.39635494	4411.0946357842	324.70670077812	3200.71090746548	3200.71090746548	18.77937374840167	18.77937374840167	
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346	7866	-143241.1413	857077.3170250766	39.2754819307814	-101.304821	301046.574672521	4344574.651240528	4400.31762413627	322.83672409408	3185.810769133946	3185.810769133946	18.77937374840167	18.77937374840167	
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354	7874	-137961.1413	857077.3170250766	39.27555802968294	-101.2862516	302655.120297605	4344542.3875756	4386.3374103130605</						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIEvLogsKgf.	BRIEvBothKgf.	SatHtLogs.f	SatHtBoth.f
435	99	7295	-84501.14133	85707.7172052076	39.22837268379894	-101.0976193	31840.96513496607	344216.376182468	374.165026088865	300.409180776208	301.3352201342273	301.610306708093627	30.1546064198078	24.45931070845372
436	99	7296	-83841.14133	85707.7172052076	39.22837842072484	-101.0962684	31942.0174313331	344212.358830523	326.125273700004	303.457765747432	300.71009673968377	302.6059655226524	30.23267214286035	25.23627123456615
437	99	7297	-83181.14133	85707.7172052076	39.22838411	-101.0939275	32054.97659624825	344208.341660789	328.337704625973	303.517304625973	300.71009673968377	302.6059655226524	30.23267214286035	25.23627123456615
438	99	7298	-82521.14133	85707.7172052076	39.22839759624825	-101.0909267	31954.1214931002	344204.325	324.942708	303.4570283140575	300.658326904225	301.609651149011	31.81670536342926	31.50437684659463
439	99	7299	-81861.14133	85707.7172052076	39.228395159926	-101.0882998	319745.1732586876	344200.30767924	328.40551895173335	302.9470376413156	299.6761510371461	299.4756575429307	32.97886604	35.26408004411912
440	99	7300	-81201.14133	85707.7172052076	39.22840091858997	-101.085917	319946.2248481752	344199.22474871	323.6813464938016	302.9722274117113	299.24597947526513	298.7057485142524	35.1243238095995	39.9147449964895
441	99	7301	-80541.14133	85707.7172052076	39.22840635096884	-101.0836421	320147.276261222	344197.274803615	323.74088069714	302.9470376413156	298.13922162104	298.15852556027963	30.30118884	42.585152304176095
442	99	72962	-79881.14133	85707.7172052076	39.2284119	-101.0813132	320348.32749821653	344188.259	321.32708368744	302.135702821404	298.245892249127	298.048311191105	38.4766953493237	40.85257038200283
443	99	72963	-79221.14133	85707.7172052076	39.2284176196339	-101.078884	320549.7658983161	344184.842	328.45448585685	301.8149684584686	297.3515309228572	297.76118991655907	41.1825492229484	42.3468418176529
444	99	72964	-78561.14133	85707.7172052076	39.22842295971483	-101.076555	320750.4294486295	344180.22653913	325.053783874776	301.5754523657089	297.82047507694	297.7254401253396	45.7500726951454	42.8501332330715
445	99	72965	-77901.14133	85707.7172052076	39.22842028786524	-101.0743266	320951.840542666	344176.10681585	321.6732891009738	301.216594	296.7249019807487	296.74230878077823	47.743509184	
446	99	72966	-77241.14133	85707.7172052076	39.2284331587438	-101.0719978	321152.5306974506	344172.19531397	321.8720197691772	300.730438237033	295.4598135659457	295.3821896915207	51.32302573525976	46.44854317186575
447	99	72967	-76581.14133	85707.7172052076	39.22843855797838	-101.0696689	321353.8105455324	344168.179983365	321.5071792	300.8025946370545	294.714177399633	295.673805596332	55.1391193074401	45.48299804072269
448	99	72968	-75921.14133	85707.7172052076	39.22844375009546	-101.06734	321554.631245288	344164.165	321.033263867487	300.8051005381637	294.0373131846685	295.68132761276695	63.52326735439516	45.36672981
449	99	72969	-75261.14133	85707.7172052076	39.22844897234856	-101.0650112	321755.6814488374	344160.149833582	321.0659447444643	301.033298	293.5235089964926	295.6843626720016	67.51270793	42.9894712048839
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451	99	72971	-73941.14133	85707.7172052076	39.2284597555582	-101.0603354	322157.780725541	344152.12	320.1003271836324	299.5789832830856	293.4982166510345	295.45211515494293	70.5967277274102	43.176377886631
452	99	72972	-73281.14133	85707.7172052076	39.228464003740484	-101.0580246	322358.8302032802	344148.105974726	320.4112921721293	299.030961141614	294.838956473859	294.78802763204935	68.22100467	45.179186841120645
453	99	72973	-72621.14133	85707.7172052076	39.22846069584126	-101.0556957	322559.879	344144.091719285	320.122563355204	299.072893432016	292.7030347742005	294.9468007612623	63.6939366600414	45.7608581257929
454	99	72974	-71961.14133	85707.7172052076	39.22847399315808	-101.0533668	322760.9286853445	344140.07765914	320.132025451554	298.610460645722	292.9305022	294.81216823055	65.30934382402149	44.32429281277086
455	99	72975	-71301.14133	85707.7172052076	39.2284787539105	-101.051038	322961.9776514745	344136.305764535	319.436487694977	298.6704995129596	293.392597039624	294.43218986536	64.5032980899723	43.2873097595643
456	99	72976	-70641.14133	85707.7172052076	39.22848371264002	-101.0487091	323163.0264545277	344132.05403565	319.43101005254	298.61285905732	293.642893971869	294.233800806738	64.5032980899723	42.7791759711591
457	99	72977	-70001.14133	85707.7172052076	39.22848945935054	-101.046427	323369.0765999976	344128.036917051	318.632545480071	298.61285905732	293.642893971869	294.233800806738	64.5032980899723	41.89992711068596
458	99	72978	-69321.14133	85707.7172052076	39.2284932518622	-101.0440514	323565.123	344124.02137018	319.4233548216175	298.210711179263	294.059020963135	294.0524508348613	65.153672021821	41.58519227397801
459	99	72979	-68661.14133	85707.7172052076	39.22849784458704	-101.0417225	323766.171889361	344120.01007902	318.386905213676	298.0309848466636	293.353434104883	293.77500021384626	67.1477453916961	43.0808863826104
460	99	72980	-68001.14133	85707.7172052076	39.22850261178896	-101.0393936	323967.219924197	344115.97026805	319.425839311273	297.97625438365304	293.7452577322324	293.82125254	42.172861034036396	41.1401391380125
461	99	72981	-67341.14133	85707.7172052076	39.22850772	-101.0370648	324168.2679233168	344111.984	319.47868744793425	293.9648584	293.9648584	293.9648584	64.5032980899723	41.56249739140105
462	99	72982	-66681.14133	85707.7172052076	39.22851179147332	-101.0347399	324369.3156825559	344107.971610661	319.1063371310063	297.7341494236085	293.34151073526	293.6134222308127	65.40116345008062	41.20832734879385
463	99	72983	-66021.14133	85707.7172052076	39.2285163138345	-101.032407	324576.3629844457	344103.869176591	318.6916975247447	297.6286218943118	293.7337338729476	294.4533974964217	66.5029249542417	41.89992711068596
464	99	72984	-65361.14133	85707.7172052076	39.228521471011279	-101.0300781	324771.410685087	344099.4584925155	317.5774082858123	297.4239714309663	293.4239714309663	294.4533974964217	67.1477453916961	42.9185274733762
465	99	72985	-64701.14133	85707.7172052076	39.2285252360503	-101.0277493	324972.457929382	344095.93481427	318.4554925980595	297.40260498161384	293.6174426072514	293.47416726072514	64.5032980899723	40.59017555541322
466	99	72986	-64041.14133	85707.7172052076	39.22852961101424	-101.0252404	325173.5050254345	344091.92262311	318.325451777492	297.9968304254455	292.0341666786423	293.6221000229048	65.6566396	40.3763034136775
467	99	72987	-63381.14133	85707.7172052076	39.22853396343941	-101.0230915	325374.5519047005	344087.91255162	318.0638532451787	297.196716520102	291.7116419287961	291.26913914947982	65.85299723121206	45.65846704027399
468	99	72988	-62721.14133	85707.7172052076	39.2285382508058	-101.0207627	325575.5986327027	344083.997297976	317.064715362971	297.0709285628093	291.3964139857837	291.3964139857837	65.85299723121206	45.65846704027399
469	99	72989	-62061.14133	85707.7172052076	39.2285425	-101.0184338	325776.6451977497	344079.888	317.265576830763	297.0709285628093	291.3964139857837	291.3964139857837	65.85299723121206	45.65846704027399
470	99	72990	-61401.14133	85707.7172052076	39.2285467108777	-101.016149	325977.6150789567	344075.781901133	317.425451319555	296.910413138351	291.3964139857837	291.3964139857837	65.85299723121206	45.65846704027399
471	99	72991	-60741.14133	85707.7172052076	39.22855073097774	-101.013776	326178.7780845164	344071.866	317.502584647864	296.8258923108563	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
472	99	72992	-60081.14133	85707.7172052076	39.2285549080473	-101.0114472	326379.783859074	344067.855486661	317.2740081245326	296.716349042813	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
473	99	72993	-59421.14133	85707.7172052076	39.228559063325605	-101.0091183	326580.8297402045	344063.845	316.784531265284	296.72015815298	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
474	99	72994	-58761.14133	85707.7172052076	39.22856309	-101.0067894	326781.87451451	344059.834	316.216855	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
475	99	72995	-58101.14133	85707.7172052076	39.22856707341513	-101.0044605	326982.9203959253	344055.824174854	316.9370295765795	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
476	99	72996	-57441.14133	85707.7172052076	39.22857101098573	-101.0021317	327183.963664024	344051.81794049	316.855705334651	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
477	99	72997	-56781.14133	85707.7172052076	39.22857501098573	-101.000827	327395.063664024	344047.81794049	316.795556830763	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
478	99	72998	-56121.14133	85707.7172052076	39.2285791511686	-100.9974739	327586.050664024	344043.81794049	316.736556830763	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
479	99	72999	-55461.14133	85707.7172052076	39.22858253784946	-100.9951451	327787.101473301	344039.78458192	316.675619655174	296.667257258008	290.601711567723	290.75375986272	65.85299723121206	45.65846704027399
480	99	73000	-54801.14133	85707.7172052076	39.228586531417125	-								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft	
561	97	73081	-1341.13411327	857077.3170250766	39.22874128685045	-100.8041768	444272.226860482	433711.62208065	297.7589686998994	2500.57968194564	2868.867438	2871.7736749321793	31.71270309514022	28.805933262478
562	97	73082	-681.1413269	857077.3170250766	39.2287413576804	-100.8104789	444374.2568510544	433707.628	302.329651047663	2870.5062827684374	2871.9324845	2870.5062827684374	28.777919716205867	25.35935698877174
563	97	73083	-141.1313269	857077.3170250766	39.22874133979119	-100.798619	444674.290403986	433703.611	302.228158151768	2869.9784389745664	2868.0218740102214	2873.5561169391227	28.86368797968052	24.47317296848474
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566	97	73086	1598.858673033514	857077.3170250766	39.2287411859416	-100.7925323	345277.3457337235	433691.652	303.881240355231	2898.382340554231	2857.2192607367876	2858.84075645433	35.14744751073295	35.14744751073295
567	97	73087	128.858673033514	857077.3170250766	39.22874102558906	-100.7920035	345478.4142803684	433695.08504899	304.21753086408	2892.631439027548	2853.71786469983	2858.73043207548	38.8595270865221	37.2929710865221
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572	97	73092	5918.858673033514	857077.3170250766	39.2287397008061	-100.778559	346384.566246356	433667.69010296	310.316569	2885.629967269364	2847.8107803	2841.3589934039223	44.75888428020926	44.27097386447014
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587	97	73107	15818.858673033514	857077.3170250766	39.228728458711045	-100.7436258	349498.999	433607.82543034	310.97417496888	2862.431761484555	2795.858203555714	2797.921073404793	59.834112898308	59.834112898308
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593	97	73113	19778.858673033514	857077.3170250766	39.228721719941054	-100.7296525	350705.1641629087	433583.88926439	310.94698312138	2852.107122343978	2785.70774568216	2800.674406598033	65.993947756218	65.993947756218
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598	97	73118	23078.858673033514	857077.3170250766	39.2287138717918	-100.718008	351710.290587277	433563.94772783	310.9460076334466	2842.359674073408	2788.332847632913	2787.573036	71.62021193742714	71.62021193742714
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602	97	73122	25718.858673033514	857077.3170250766	39.22870722520965	-100.7088425	352514.409637666	433547.97770698	310.9460076334466	2834.01363291395	2786.701185100778	2790.285573967836	75.8995122041473	75.8995122041473
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604	97	73124	27038.858673033514	857077.3170250766	39.22870523390808	-100.704327	352913.05727979854	433539.9369242	310.9460076334466	2829.804772766874	2			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtElevLog.ft	SatHtBothKrg.ft
687	99	73207	81818.85867307335	857077.3170250766	39.22839571895411	-105.107382	369601.0838875615	4343209.74428492	2820.724017075832	2694.2891885484987	2673.765897232218	2673.765897232218	21.096111314867812	21.096111314867812
688	99	73208	81748.85867307335	857077.3170250766	39.228390119861515	-105.108453	369602.0986367658	4343205.72545228	2817.54083606198	2673.7601827766725	2673.7601827766725	2673.7601827766725	20.710524483365305	20.710524483365305
689	99	73209	81738.85867307335	857077.3170250766	39.22838497578615	-105.109608	370003.11280196	4343201.873895711	2818.356910135658	2691.2648261881871	2690.824261888986	2690.824261888986	22.878317228824272	22.878317228824272
690	99	73210	81739.85867307335	857077.3170250766	39.2283787672504	-105.503716	370024.1259583325	4343177.829690887	2817.173356660391	2690.2005379594354	2656.77943952421	2656.77943952421	33.6710924348432	33.6710924348432
691	99	73211	84458.85867307335	857077.3170250766	39.228373052681214	-100.5014227	370405.13973142917	4343183.8585371945	2815.800137476666	2688.6288430974368	2660.2258830951893	2649.541635664783	38.40229600224705	39.0856740406012
692	99	73212	85118.85867307335	857077.3170250766	39.2283677365364	-100.490939	370606.15328776353	4343189.887736323	2814.2368813717716	2687.0520776224794	2644.3394134528708	2644.3394134528708	42.71264169680815	43.7179173397045
693	99	73213	85778.85867307335	857077.3170250766	39.22836144964235	-100.496765	370807.166903178	4343181.963731474	2812.67309573268	2685.407397572395	2639.1021177472153	2637.992251168457	46.36827983	47.478164
694	99	73214	86438.85867307335	857077.3170250766	39.22835518064739	-100.484461	371008.18032025986	4343181.964137413	2811.110616338823	2683.8861041159607	2634.5931152999113	2633.600464187377	49.2926884604941	50.28605769718706
695	99	73215	87098.85867307335	857077.3170250766	39.22834966968684	-100.4821073	371209.19359778054	4343181.964137413	2811.534225866416	2681.2631638624023	2630.24475358699	2628.922247259714	52.0811632768452	52.8783176884989
696	99	73216	87178.85867307335	857077.3170250766	39.22834370770529	-100.4897784	371410.2054327168	4343170.054327168	2809.7159005385646	2677.118540282993	2626.90710552593	2626.90710552593	53.8965465252593	53.8965465252593
697	99	73217	88418.85867307335	857077.3170250766	39.2283373076026	-100.4874498	371611.2195747843	4343170.054327168	2809.7159005385646	2677.118540282993	2626.90710552593	2626.90710552593	55.0179498052197	55.0179498052197
698	99	73218	89078.85867307335	857077.3170250766	39.2283316483057	-100.4851727	371812.2326580778	4343166.05471918	2818.76528372017	2677.5276073376	2621.450105026367	2621.450105026367	56.132074654739	56.132074654739
699	99	73219	89738.85867307335	857077.3170250766	39.228325650917206	-100.4827198	372013.2453479145	4343165.05973982	2818.556253220912	2676.012835426073	2618.5360600997186	2618.5360600997186	57.34779336548719	57.34779336548719
700	99	73220	90398.85867307335	857077.3170250766	39.228319420220235	-100.480463	372214.2580945281	4343158.126001405	2815.72600796197	2674.6433996421	2615.5129512548297	2615.5129512548297	58.9503879045129	58.9503879045129
701	99	73221	91058.85867307335	857077.3170250766	39.22831328139608	-100.4781341	372415.27062811155	4343158.126001405	2812.895373688221	2672.36653261348	2612.476588897126	2612.476588897126	60.2349097235344	60.2349097235344
702	99	73222	91178.85867307335	857077.3170250766	39.2283107	-100.475003	372616.283038873	4343150.17862342	2810.066739	2671.405398371261	2609.30568097683	2609.30568097683	62.08802974907855	61.8600497992336
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704	99	73224	93038.85867307335	857077.3170250766	39.2282441659612	-100.471476	373018.30749274034	4343142.81963117	2808.9677	2668.42213810459	2603.2799155188436	2603.35212896654	64.1921963159	65.0591009138046
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706	99	73226	94358.85867307335	857077.3170250766	39.2282816386257	-100.4664898	373420.3312774688	4343138.21404457	2797.0034565784703	2665.5320808698	2600.79476891328	2600.68017144285	64.7404391546719	64.8551904270285
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710	99	73230	96998.85867307335	857077.3170250766	39.2282555895287	-100.4571744	374224.372778526	4343118.40706112	2787.17125524974	2658.053698074673	2605.739019164195	2605.401652524155	54.59391891047714	54.59391891047714
711	99	73231	97658.85867307335	857077.3170250766	39.22824882523666	-100.4548546	374425.3892402459	4343114.4714608	2784.871493326693	2658.8021541977949	2607.4326903240516	2607.4326903240516	51.36995444701205	51.36995444701205
712	99	73232	98318.85867307335	857077.3170250766	39.22824246536944	-100.4525167	374626.40043618204	4343110.50576913	2782.485165136918	2657.531541148691	2609.232830069243	2609.07346634526	48.298703141244914	48.45796451384331
713	99	73233	98978.85867307335	857077.3170250766	39.2282352285374	-100.4501879	374827.4115093851	4343106.539	2780.14516837413	2656.2813055860031	2602.3583283952	2602.3583283952	45.2680976	45.2680976
714	99	73234	99638.85867307335	857077.3170250766	39.2282351561709	-100.447859	375028.4224622192	4343105.17545111	2777.79690595737	2654.486110327125	2612.717109560202	2612.717109560202	42.3990073110477	42.3990073110477
715	99	73235	100298.85867307335	857077.3170250766	39.228221940538978	-100.445592	375229.4329494949	4343106.539	2774.1473899251	2653.4873899251	2614.1636787970689	2614.1636787970689	38.153218038642525	38.153218038642525
716	99	73236	100958.85867307335	857077.3170250766	39.2282158197001	-100.443719	375430.4417051241	4343104.53940411664	2771.49891481951404	2652.60849245055	2612.8996131292203	2612.8996131292203	39.2004373168931	39.2004373168931
717	99	73237	101618.85867307335	857077.3170250766	39.22820187832005	-100.442758	375631.4547004806	4343106.539	2768.688252103836	2650.401065649913	2607.045483532179	2607.1993074034485	43.3555811781211	43.241668246542795
718	99	73238	102278.85867307335	857077.3170250766	39.228201229682576	-100.4385436	375832.4547138885	4343106.539	2766.08576333139	2650.198576333139	2608.48726683857	2608.48726683857	49.9547983939377	49.9547983939377
719	99	73239	102938.85867307335	857077.3170250766	39.22819236098744	-100.4362148	376033.4755279487	4343106.539	2761.0662392042	2648.9967392042	2593.44228681599	2592.8225197612505	55.55450431	56.17415416773395
720	99	73240	103598.85867307335	857077.3170250766	39.22818719753154	-100.433889	376234.48765286907	4343106.539	2757.280978114207	2647.79427643613	2589.702734736783	2589.02131026764	58.88026245454	58.88026245454
721	99	73241	104258.85867307335	857077.3170250766	39.228180119895055	-100.431571	376435.4958788541	4343106.539	2754.95681850222	2646.384769319283	2590.5025999044	2590.235696159268	56.084398106226	56.084398106226
722	99	73242	104918.85867307335	857077.3170250766	39.2281728544699	-100.429282	376636.50678195	4343106.539	2749.710410248705	2645.37253062413	2592.2938385629	2592.2938385629	57.13307554413	57.13307554413
723	99	73243	105578.85867307335	857077.3170250766	39.228161152969	-100.426984	376837.515172043	4343106.539	2744.87186780223	2643.9077996476	2594.383719813658	2594.383719813658	50.1887232349284	49.77151742682824
724	99	73244	106238.85867307335	857077.3170250766	39.22815859342096	-100.4245705	377038.5255152366	4343106.539	2738.907451792922	2642.931328135782	2596.074433854919	2596.252739164896	46.8568978066273	46.8568978066273
725	99	73245	106988.85867307335	857077.3170250766	39.2281531	-100.422417	377239.5351575231	4343106.539	2734.96784184734	2641.702246722325	2597.967865119487	2597.967865119487	43.5749558772265	43.5749558772265
726	99	73246	107558.85867307335	857077.3170250766	39.2281402147785	-100.4199128	377440.54488189646	4343105.81321634	2727.02798036036	2640.468956820929	2599.967650610827	2600.088392	40.14730630212836	40.380565141469106
727	99	73247	108218.85867307335	857077.3170250766	39.22813667	-100.417584	377641.554880565	4343105.81321634	2724.051938597464	2639.23413834925	2602.22269775567	2602.22269775567	36.26949368538944	36.26949368538944
728	99	73248	108878.85867307335	857077.3170250766	39.22812592695394	-100.4152571	377842.56337710145	4343105.81321634	2724.051938597464	2639.23413834925	2602.22269775567	2602.22269775567	33.1460510238307	33.254610867174
729	99	73249	109538.85867307335	857077.3170250766	39.228116817634	-100.412984	378043.57488189646	4343105.81321634	2724.051938597464	2639.23413834925	2602.22269775567	2602.22269775567	30.5851448263897	30.5851448263897
730	99	73250	110198.85867307335	857077.3170250766	39.22811437775985	-100.4105714	378244.58716204383	4343105.81321634	2724.051938597464	2639.23413				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevKgs.f	SurfElev.f	SurfBoth.f
73	100	73333	-323421.1413	85773.73170250766	39.22513035573773	-101.9406447	42610.85555034777	4345883.973604058	3863.047649120807	3688.988259384896	3607.8199597137376	3639.8258462129915	91.16826367115846	59.06241371190461
74	100	73334	-322761.1413	85773.73170250766	39.225175075961296	-101.9383161	246351.98532277992	434587.98962823668	3689.656982823668	3697.2552103459275	3615.1606624334425	3637.967025005802	62.08914789248502	59.26811922953964
75	100	73335	-321911.1413	85773.73170250766	39.22519076	-101.9359189	246653.1143248424	434587.98962823668	3689.656982823668	3697.2552103459275	3615.1606624334425	3637.967025005802	61.68715164446685	59.26811922953964
76	100	73336	-321441.1413	85773.73170250766	39.22519076	-101.9336589	246754.2391440234	434587.98962823668	3691.562717632408	3697.2552103459275	3615.1606624334425	3637.967025005802	61.014810586987825	59.26811922953964
77	100	73337	-320781.1413	85773.73170250766	39.2252048674658	-101.9313303	246955.7323322282	434587.98962823668	3693.471931537475	3697.2552103459275	3615.1606624334425	3637.967025005802	60.5341467810155	59.26811922953964
78	100	73338	-320121.1413	85773.73170250766	39.2252627070375	-101.9290017	247156.5015017495	434587.98962823668	3695.26426313571	3697.2552103459275	3615.1606624334425	3637.967025005802	59.4590476810155	59.26811922953964
79	100	73339	-319461.1413	85773.73170250766	39.2252627070375	-101.9267631	247357.62991890813	434587.98962823668	3697.2552103459275	3697.2552103459275	3615.1606624334425	3637.967025005802	58.91364146810155	59.26811922953964
80	100	73340	-318801.1413	85773.73170250766	39.2253625275224	-101.924345	247558.75808760384	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	58.4163659670276	59.26811922953964
81	100	73341	-318141.1413	85773.73170250766	39.225376913624	-101.9220158	247759.886053444	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	57.88843921206418	59.26811922953964
82	100	73342	-317481.1413	85773.73170250766	39.225376913624	-101.9196783	247972.1373022713	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	57.379591755178485	59.26811922953964
83	100	73343	-316821.1413	85773.73170250766	39.225376913624	-101.9175858	248162.1410914563	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	56.849631304264	59.26811922953964
84	100	73344	-316161.1413	85773.73170250766	39.22539240433966	-101.91503	248363.268206214	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	56.3742679669679	59.26811922953964
85	100	73345	-315501.1413	85773.73170250766	39.22541432991498	-101.9127014	248564.3951798187	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	55.91384517969163	59.26811922953964
86	100	73346	-314841.1413	85773.73170250766	39.22543810420144	-101.9103728	248765.5218505466	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	55.4477995052752	59.26811922953964
87	100	73347	-314181.1413	85773.73170250766	39.22545724594945	-101.9080442	248966.6482270472	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	54.9737028898774	59.26811922953964
88	100	73348	-313521.1413	85773.73170250766	39.2254786350282	-101.9057156	249167.7744512575	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	54.500637409793	59.26811922953964
89	100	73349	-312861.1413	85773.73170250766	39.22549992008194	-101.9033889	249368.903697887	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	54.0281402339952	59.26811922953964
90	100	73350	-312201.1413	85773.73170250766	39.22552122	-101.9010535	249570.02604623872	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	53.5477903456928	59.26811922953964
91	100	73351	-311541.1413	85773.73170250766	39.22554238306925	-101.8987297	249771.15147468512	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	53.07699109275695	59.26811922953964
92	100	73352	-310881.1413	85773.73170250766	39.2255634593628	-101.8964011	249972.276653298	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	52.6091399175589	59.26811922953964
93	100	73353	-310221.1413	85773.73170250766	39.22558491426293	-101.8940725	250173.4015883914	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	52.1387095464451886	59.26811922953964
94	100	73354	-309561.1413	85773.73170250766	39.225605535293	-101.8917438	250374.5262740388	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	51.6694047086791	59.26811922953964
95	100	73355	-308901.1413	85773.73170250766	39.225626911947654	-101.8894152	250575.648136942	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	51.198502624142	59.26811922953964
96	100	73356	-308241.1413	85773.73170250766	39.22564841719157	-101.8870656	250776.749040077	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	50.72811922953964	59.26811922953964
97	100	73357	-307581.1413	85773.73170250766	39.225669912755978	-101.8847578	250977.89884872697	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	50.25811922953964	59.26811922953964
98	100	73358	-306921.1413	85773.73170250766	39.2256906831675	-101.8824293	251179.02542621017	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	49.788109875764	59.26811922953964
99	100	73359	-306261.1413	85773.73170250766	39.225710964167206	-101.8801007	251380.1459866632	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	49.318402096806	59.26811922953964
100	100	73360	-305601.1413	85773.73170250766	39.22573181500633	-101.877772	251581.2690249105	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	48.8424294749626	59.26811922953964
101	100	73361	-304941.1413	85773.73170250766	39.2257526208817	-101.8754129	251782.392528817	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	48.37172358413008	59.26811922953964
102	100	73362	-304281.1413	85773.73170250766	39.2257737175519	-101.8731148	251983.678778843	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	47.9045081539104	59.26811922953964
103	100	73363	-303621.1413	85773.73170250766	39.2257940766487	-101.8707861	252184.637346284	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	46.4286440324506	59.26811922953964
104	100	73364	-302961.1413	85773.73170250766	39.22581474859796	-101.8684575	252385.756959304	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	45.9546110952343	59.26811922953964
105	100	73365	-302301.1413	85773.73170250766	39.2258353455448	-101.8661288	252586.8815421935	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	45.48056223317	59.26811922953964
106	100	73366	-301641.1413	85773.73170250766	39.225855975534316	-101.8638002	252788.0320802137	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	45.0103238373	59.26811922953964
107	100	73367	-300981.1413	85773.73170250766	39.22587651153754	-101.8614716	252989.124768401	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	44.54029237637	59.26811922953964
108	100	73368	-300321.1413	85773.73170250766	39.22589702553639	-101.8591429	253190.2467120107	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	44.070151893535	59.26811922953964
109	100	73369	-299661.1413	85773.73170250766	39.22591761	-101.8568143	253391.3671162843	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	43.6001198817892	59.26811922953964
110	100	73370	-299001.1413	85773.73170250766	39.2259378	-101.8544856	253592.4877695007	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	43.130238252748	59.26811922953964
111	100	73371	-298341.1413	85773.73170250766	39.2259582057828	-101.852157	253793.608273684	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	42.660765268304	59.26811922953964
112	100	73372	-297681.1413	85773.73170250766	39.22597852	-101.8498283	253994.72854609077	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	42.1934621985984	59.26811922953964
113	100	73373	-297021.1413	85773.73170250766	39.22599878304417	-101.8474997	254195.8487032078	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	41.7249025198394	59.26811922953964
114	100	73374	-296361.1413	85773.73170250766	39.2260190420951	-101.845171	254396.9635126483	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	41.254902371637	59.26811922953964
115	100	73375	-295701.1413	85773.73170250766	39.22603918038768	-101.8428474	254598.0781162843	434587.98962823668	3699.26805339571	3697.2552103459275	3615.1606624334425	3637.967025005802	40.7812725584109	59.26811922953964
116	100	73376	-295041.1413	85773.73170250766	39.226059311609184	-101.8405137	254799.2071841123	434587.98962823668						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThkLogs.ft	SatThkBoth.ft
199	170	73459	-240261.1413	857573.7172025076	39.227573408662494	-101.6472311	271491.2824636167	4345370.8371411525	3652.284019526486	3478.0821274832733	3487.806491241339	3497.7219598772324	0
200	170	73460	-239601.1413	857573.7172025076	39.22758976167603	-101.6444923	271692.5820934242	4345366.73645779	3651.649841186252	3476.300618017919	3486.5642410639158	3497.5262927280882	0
201	170	73461	-238861.1413	857573.7172025076	39.22760369070968	-101.6426736	271869.4814896285	4345362.571336821	3651.105748697078	3474.525376337585	3489.51189910337058	3497.54496043612	0
202	170	73462	-238281.1413	857573.7172025076	39.22762332771226	-101.6402448	272094.5807646456	4345358.655308656	3650.516613511742	3472.7589602	3485.930300403034	3497.55573895195	0
203	170	73463	-237621.1413	857573.7172025076	39.22763856844476	-101.6379161	272295.6791466653	4345354.5950609125	3650.2075265000067	3471.0030518586514	3485.9051799737817	3497.5618664179304	0
204	170	73464	-236961.1413	857573.7172025076	39.22764572393823	-101.6355873	272496.7784396044	4345350.535093655	3650.178487814476	3469.258317662024	3486.4850212227284	3496.910610594258	0
205	170	73465	-236301.1413	857573.7172025076	39.2276708205161	-101.6323586	272697.8786044345	4345346.475136003	3650.1494941289463	3467.5238725163567	3487.340805309641	3497.917125180182	0
206	170	73466	-235641.1413	857573.7172025076	39.22768693518496	-101.6309298	272898.9752	4345342.41548827	3650.1204104434164	3465.799653650227	3488.582677438236	3497.93663372723	0
207	170	73467	-234981.1413	857573.7172025076	39.2277029353884	-101.628681	273107.9672685678	4345338.355941812	3648.139645783028	3464.9558451845108	3487.549459377665	3497.94496043612	0
208	170	73468	-234321.1413	857573.7172025076	39.227718956111	-101.6262723	273301.1710964384	4345334.295620898	3648.207182177781	3462.381471738228	3482.946920370284	3498.71772205695	0
209	170	73469	-233661.1413	857573.7172025076	39.22773491470378	-101.6239438	273502.2687060225	4345330.237484309	3640.274095625236	3460.867147400038	3485.737005480953	3498.741684750834	0
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ix	iy	x	Y.r	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThLogs.f	SatThBoth.f	
325	1300	73585	-157101.1413	85773.73170250766	39.29227966	-01.3539009	996828.1270018977	3434860.6253592335	3436.494523182985	3225.6598497798745	3225.777513601201	3222.2860926048384	26.88233617867354	30.37375969752612
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359	1300	73619	-134661.1413	85773.73170250766	39.22961772370305	-01.2746919	999945.26882115005	3434723.48825225	3393.68152348825225	3208.85152348825225	3159.677290651116	3151.620337306242	49.3794349722015	69.99489754662862
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361	1300	73621	-133341.1413	85773.73170250766	39.22963599411536	-01.2698915	999945.26882115005	3434715.38567914	3393.27765315381	3206.28135532881	3155.319027581734	3148.0627657585173	50.96223845136375	76.684874770886
362	1300	73622	-132681.1413	85773.73170250766	39.2296450003221	-01.2676326	999945.26882115005	3434711.54534197	3393.0715938296	3205.116399	3153.154023496105	3148.09425057877	51.96237559215485	77.022134057213
363	1300	73623	-132021.1413	85773.73170250766	39.22965400965221	-01.2653037	999945.26882115005	3434707.32766256	3392.85479343063	3203.951821596507	3150.910216538006	3146.588828520883	53.04159606	79.36288406418595
364	1300	73624	-131361.1413	85773.73170250766	39.22966356914376	-01.2629748	999945.26882115005	3434703.29304086	3392.640370130688	3202.740221432004	3148.755918856847	3145.0111286515625	58.99214846801624	82.99214846801624
365	1300	73625	-130701.1413	85773.73170250766	39.2296719877965	-01.260646	999945.26882115005	3434699.8882573894	3392.57549822133	3201.61948812377	3146.293586762313	3141.6610913777045	54.35203380533327	89.9583298533327
366	1300	73626	-130041.1413	85773.73170250766	39.229680873861014	-01.2583171	999945.26882115005	3434695.72164343	3392.404755191399	3200.45839549506	3143.7123569130036	3139.673183420215	60.73064198746761	96.73064198746761
367	1300	73627	-129381.1413	85773.73170250766	39.22969018160205	-01.2559816	999945.26882115005	3434691.62051624	3392.232473657894	3200.28135532881	3142.604017319844	3138.565717651074	61.612947319844	103.612947319844
368	1300	73628	-128721.1413	85773.73170250766	39.22969880819799	-01.2536933	999945.26882115005	3434687.12847385	3392.068134106883	3200.068134106883	3141.47827497231	3135.5883477170497	62.5585587150604	122

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogsKgt	BRiElevBothKgt	SurfBothKgt	SatBothKgt
451	70719	73711	-73941.14133	857737.3170250766	39.23027176454011	-101.0603599	322161.79927480593	4343353.323305052	3208.8209311311416	2997.77553149929	2934.927918757684	2954.226468424763	80.84988127415666	41.54890630744876
452	70720	73712	-73291.14133	857737.3170250766	39.2302761852276	-101.058031	322362.8456726138	4343439.308694702	3207.0466249176044	2993.36667503576	2934.7304121247194	2952.101364228968	81.2505381294792	41.2553381294792
453	70719	73713	-72821.14133	857737.3170250766	39.23031064358626	-101.0567291	322583.9897606325	4343453.215238596	3205.7231861747	2991.054589928044	2935.229163849458	2950.91498789845	82.02722222	41.00363498945451
454	70714	73716	-71961.14133	857737.3170250766	39.230286681521456	-101.0533731	322746.9466470313	4343431.200208029	3203.498012660449	2989.010361837813	2935.845230990307	2947.623804552768	81.3565078782929	41.3565078782929
455	70716	73717	-71301.14133	857737.3170250766	39.23029158367845	-101.0510442	322965.99542410974	4343437.269567288	3201.910552124544	2987.105121475237	2936.910291800042	2946.569610428136	80.19482967519476	40.53551105024334
456	70718	73718	-70641.14133	857737.3170250766	39.230264	-101.0487153	323167.04	4343433.250270602	3200.510156	2985.371827517116	2938.1834564574783	2946.51384623327	81.878184623327	38.8513905734655
457	70717	73719	-69981.14133	857737.3170250766	39.23030119363735	-101.0463864	323368.0924858762	4343439.28	3199.709819296115	2983.791185450018	2939.455516250197	2945.62307877756	81.34366920384192	38.16610716245485
458	70718	73720	-69321.14133	857737.3170250766	39.23030591403903	-101.0440054	323669.1407170034	4343435.224600157	3197.1092138319004	2981.708217817828	2939.484178742265	2943.691473060165	81.42536074756149	38.8480145557414
459	70719	73721	-68661.14133	857737.3170250766	39.23031064358626	-101.0417285	323770.1869025893	4343435.215238596	3196.551825419172	2980.3639789872005	2938.1834564574783	2946.51384623327	81.878184623327	38.8513905734655
460	70720	73722	-68001.14133	857737.3170250766	39.23031530089655	-101.0395956	323971.23681571416	4343437.188371302	3195.637497706327	2979.704188	2938.1834564574783	2946.51384623327	81.878184623327	38.8513905734655
461	70721	73723	-67341.14133	857737.3170250766	39.23031993133598	-101.0370707	324172.8546576546	4343431.85041089	3194.72317701068	2978.457089381373	2933.812941163304	2936.147671920143	81.46655622579666	42.30383746899046
462	70722	73724	-66681.14133	857737.3170250766	39.23032448079728	-101.0347147	324373.321256891	4343309.12763151	3193.808512605131	2977.2887612410886	2930.939117722355	2927.625806585834	81.4396631873405	49.66297466
463	70723	73726	-66021.14133	857737.3170250766	39.230326900327346	-101.0324128	324574.37952322746	4343306.16007412	3192.8246422816717	2976.1224276549992	2928.369480418178	2922.6105968419377	81.4752979637103	53.51186881306148
464	70724	73728	-65361.14133	857737.3170250766	39.230333480764486	-101.0300839	324775.42674905126	4343301.17538358	3190.1565410606437	2974.971092145881	2925.39024811224	2919.3805807801285	81.45970673346598	55.58601136754043
465	70725	73730	-64701.14133	857737.3170250766	39.23033791327037	-101.0277549	324976.47380355246	4343291.14532448	3188.0264391263076	2973.8310931260376	2921.8811318506755	2917.881032128895	81.5499617256206	61.95050481
466	70726	73731	-64041.14133	857737.3170250766	39.230342300779105	-101.025426	325177.520686884	4342293.122383282	3185.893336950067	2972.703376678205	2918.48491474303	2901.794786714883	81.5420461893517495	70.91058
467	70727	73732	-63381.14133	857737.3170250766	39.23034645323662	-101.0230971	325378.5939391635	4342289.1140624	3183.953212467513	2971.6084367328885	2915.1130911627506	2909.8713066584286	81.469534557013794	71.73707660217
468	70728	73733	-62721.14133	857737.3170250766	39.23035094087698	-101.0207682	325576.613941265	4342285.09711361	3180.9067970928794	2970.572981437945	2911.8357978630217	2903.9203147615276	81.64390496641758	66.4390496641758
469	70729	73734	-62061.14133	857737.3170250766	39.23035519	-101.0184392	325780.603212222	4342281.088196828	3178.2904771141464	2969.65188	2909.135996540888	2899.36973693994	81.588382022076	70.28211667512096
470	70730	73735	-61401.14133	857737.3170250766	39.23035940102219	-101.0161103	325981.7065131066	4342277.077	3175.674144	2968.8757481481706	2906.609827088722	2906.5236302353912	81.2659210314876	72.352458004741
471	70731	73736	-60741.14133	857737.3170250766	39.230363636199	-101.0137814	326182.7525	4342265.065719564	3173.76283880597	2968.208995848916	2905.14745350524	2903.345883166903	81.06145223766739	74.874082180126
472	70732	73737	-60081.14133	857737.3170250766	39.23036761226575	-101.0114524	326383.7984047639	4342269.05	3172.555644053657	2967.59732387481	2903.943621547078	2904.899496226643	81.6539022906332	72.6952176834703
473	70733	73738	-59421.14133	857737.3170250766	39.2303714384596	-101.0091498	326584.9436876563	4342254.036899282	3171.5259898181814	2966.35535367638	2902.917327086079	2903.917327086079	81.4217837190537	74.874082180126
474	70734	73739	-58761.14133	857737.3170250766	39.23037578	-101.0067496	326785.89961763796	4342261.03368689	3170.14395670301	2966.42154735952	2902.465949779297	2902.465949779297	81.63520496	78.12567784
475	70735	73740	-58101.14133	857737.3170250766	39.2303797614405	-101.0044656	326986.9349704016	4342257.02246684	3168.3376077117134	2965.88118342032	2901.696676397924	2902.465949779297	81.63520496	78.12567784
476	70736	73741	-57441.14133	857737.3170250766	39.23038301871274	-101.0021367	327187.901536494	4342253.01708932	3165.93129508655	2964.20029095914	2896.7550424081264	2901.75714563035	81.4842585517876	83.5187134945054
477	70737	73742	-56781.14133	857737.3170250766	39.23038759449617	-100.9998078	327389.0251678121	4342249.0263507	3164.63430468348	2963.40430468348	2888.80280360537	2901.75714563035	81.78518211	81.758105131727
478	70738	73743	-56121.14133	857737.3170250766	39.2303914219437	-100.9974788	327590.070135864	4342244.992797278	3161.11856384529	2964.0167263737392	2901.39918319596	2901.39918319596	81.758105131727	81.758105131727
479	70739	73744	-55461.14133	857737.3170250766	39.23039524	-100.9951498	327791.11469891804	4342240.96837663	3158.259898181814	2963.40430468348	2901.39918319596	2901.39918319596	81.758105131727	81.758105131727
480	70740	73745	-54801.14133	857737.3170250766	39.23039920526346	-100.9929257	327992.1591995395	4342237.785377904	3154.717853768903	2962.751152405	2900.7230274527	2900.7230274527	81.758105131727	81.758105131727
481	70741	73746	-54141.14133	857737.3170250766	39.23040271337735	-100.990482	328193.2035400271	4342232.964250945	3151.2523566051277	2962.751152405	2900.7230274527	2900.7230274527	81.758105131727	81.758105131727
482	70742	73747	-53481.14133	857737.3170250766	39.23040633134444	-100.9881631	328394.274140629	4342228.95202476	3150.7471683374	2961.4501192174394	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
483	70743	73748	-52821.14133	857737.3170250766	39.23041000590626	-100.9858342	328595.2971955027	4342224.9461184	3144.6553059290236	2960.7983580370677	2899.58266896997	2901.6707844328	81.758105131727	81.758105131727
484	70744	73749	-52161.14133	857737.3170250766	39.2304135836979	-100.9830502	328796.335557946	4342220.93759674	3143.85683392976	2960.1466749629177	2899.58266896997	2901.6707844328	81.758105131727	81.758105131727
485	70745	73750	-51501.14133	857737.3170250766	39.23041711649401	-100.9811763	328997.3792284011	4342216.52876107	3142.950881855129	2959.49855635874	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
486	70746	73751	-50841.14133	857737.3170250766	39.2304204309304	-100.9788474	329198.4227	4342212.04202871	3142.050881855129	2958.49855635874	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
487	70747	73752	-50181.14133	857737.3170250766	39.2304247140524	-100.9765184	329399.46699511765	4342208.912107196	3141.084717445453	2958.20312891497	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
488	70748	73753	-49521.14133	857737.3170250766	39.23042744949581	-100.9741895	329600.59034386	4342204.50436955	3135.531224736944	2957.5768751380338	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
489	70749	73754	-48861.14133	857737.3170250766	39.23043078745756	-100.9718806	329801.552243396	4342200.8617291	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
490	70750	73755	-48201.14133	857737.3170250766	39.23043410572036	-100.9695316	330002.5968010263	4342204.50436955	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
491	70751	73756	-47541.14133	857737.3170250766	39.2304373686095	-100.9672027	330203.6378	4342192.881	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
492	70752	73757	-46881.14133	857737.3170250766	39.23044059576169	-100.9648738	330404.680258577	4342192.881	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
493	70753	73758	-46221.14133	857737.3170250766	39.2304438164214	-100.962519	330605.7477737301	4342192.881	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
494	70754	73759	-45561.14133	857737.3170250766	39.23044707313224	-100.9602518	330806.764777301	4342192.881	3134.9782702254947	2956.500157822968	2901.6707844328	2901.6707844328	81.758105131727	81.758105131727
495	70755	73760	-44901.14133	857737.3170250766	39.23045029313224	-100.957887	331007.80678							

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtElevKgr.f	SatHtBoth.f
577	17037	9218.85867730351	857573.71720250766	-39.25054968644836	-100.7669138	347492.7997471707	434384.915149144	3031.592402650811	2788.0383438198143	2821.1191778830726	2821.762980232425	56.1195699886872	56.27536348516304
578	17038	9678.85867730351	857573.71720250766	-39.25054955956656	-100.7649489	347893.73816045275	434384.923	3029.8857245415344	2786.506451203987	2814.0380801907705	2814.77196767437	58.0755107126163	57.2295440243935
579	17039	10538.85867730351	857573.71720250766	-39.250543220056294	-100.7626589	347864.7670250693	434384.931193243	3027.60000334114	2784.960077	2817.2028086696974	2816.8564070349838	57.7573133844243	58.034384443
580	17040	11198.85867730351	857573.71720250766	-39.250547598942586	-100.759027	348095.79574217077	434384.940567123	3014.31224841002	2873.399184527824	2814.261108913771	2814.03711968375	59.130757091158	59.361864460315
581	17041	11858.85867730351	857573.71720250766	-39.250546813136215	-100.757598	348296.8243115572	434384.94940228	3022.0004464147026	2817.823796	2811.886267804081	2811.815758104416	60.9375284316901	60.00803741778827
582	17042	12518.85867730351	857573.71720250766	-39.2505458234431	-100.7552591	348497.85235735823	434384.958418497	3019.18766754154	2870.2344519099693	2809.392813301233	2809.56632036969	60.841368068466	60.676198730004
583	17043	13178.85867730351	857573.71720250766	-39.25054510556683	-100.7529402	348698.8810084087	434384.967310753	3016.467093796487	2868.629173187205	2806.9921693113724	2807.230458935764	60.9375284316901	61.1922251243833
584	17044	13838.85867730351	857573.71720250766	-39.2505441	-100.7506112	348899.9091362795	434384.97699443	3013.8354997131064	2867.008417508575	2804.2857118178454	2804.8959609931135	62.62775690729526	61.461561546142
585	17045	14498.85867730351	857573.71720250766	-39.25054220056294	-100.748923	349100.8071173903	434384.986554464	3011.210065	2865.7477272728614	2801.37119081597	2802.76529711349	62.66521029127236	61.89521029127236
586	17046	15158.85867730351	857573.71720250766	-39.2505422032111	-100.7455633	349301.9649514322	434384.99625464	3008.561579138336	2863.710302913484	2798.558818904770	2800.137013652757	62.11214862579	63.57993671819445
587	17047	15818.85867730351	857573.71720250766	-39.25054115360142	-100.7432624	349502.9926	434384.9906217615	3006.2447407402004	2862.04744020004	2795.634348383023	2797.73063928763	63.840211481905	64.31880711232406
588	17048	16478.85867730351	857573.71720250766	-39.25054052859657	-100.7412954	349704.0202821768	434384.91618936	3004.19944561718	2860.362271718686	2792.7819457095284	2795.8115282758604	67.580250091574	64.5507434282548
589	17049	17138.85867730351	857573.71720250766	-39.25053891	-100.7389665	349905.04767823895	434384.910260337	3002.145151580614	2858.66276335556	2790.19098442759	2794.1566172884504	65.504525094510323	65.504525094510323
590	17050	17798.85867730351	857573.71720250766	-39.2505371652861	-100.7366376	350106.0748268107	434384.910708951	3000.10892436948	2856.94525800356	2788.073	2784.72527584567	63.7082526438099	63.7082526438099
591	17051	18458.85867730351	857573.71720250766	-39.25053640866674	-100.734306	350307.102034505	434379.047175643	2998.254759239592	2855.218085478462	2786.9520593154583	2786.33433897585	68.626026328793	60.8674654028127
592	17052	19118.85867730351	857573.71720250766	-39.25053520021936	-100.7319797	350508.129	434378.09	2996.591729007093	2853.4710499752277	2786.3115564337713	2786.521367085445	67.1630583749644	67.1630583749644
593	17053	19778.85867730351	857573.71720250766	-39.25053378456435	-100.7296507	350709.15880734634	434378.07	2994.9280072652	2851.703928	2787.5789278964216	2799.86480533502	64.1249997585945	61.83904715158116
594	17054	20438.85867730351	857573.71720250766	-39.2505325	-100.7272318	350910.1824678116	434378.08724369	2993.26565157838	2849.8991225174803	2789.63061027064	2800.78853437804	60.26831120581025	49.110328676174
595	17055	21098.85867730351	857573.71720250766	-39.25053108836406	-100.7249928	351111.2090015631	434377.992113467	2991.8425731280895	2848.01845443417	2791.4306272250414	2800.83076892362	56.5872718375474	47.08237755105483
596	17056	21758.85867730351	857573.71720250766	-39.2505296777455	-100.7226639	351312.236818039	434377.13065641	2990.659425280896	2846.028537	2791.74460430787	2796.111346967566	64.7832687083620	49.917192700135
597	17057	22418.85867730351	857573.71720250766	-39.25052812219954	-100.720335	351513.2616717044	434378.115398885	2988.46727889307	2843.96316870807	2791.5695413619254	2791.695654744024	53.1829035033385	52.76277222603196
598	17058	23078.85867730351	857573.71720250766	-39.250526571593004	-100.718006	351714.2877095766	434378.127	2988.25511371258103	2841.96651875126	2789.325180173564	2789.0975779926654	54.25133851529135	52.7689047583447
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600	17060	24398.85867730351	857573.71720250766	-39.2505233565138	-100.713481	352116.339617642	434378.15168491	2985.117813824052	2837.64570104155	2787.708335915316	2786.43780582456	49.472706	51.201975783695
601	17061	25058.85867730351	857573.71720250766	-39.250521650044324	-100.7110192	352317.3653122571	434378.1641292	2983.3851716018276	2835.64570104155	2787.7263813835967	2786.7914717638127	47.8082461304139	47.8082461304139
602	17062	25718.85867730351	857573.71720250766	-39.25051991547314	-100.7086903	352518.39064007445	434379.17680585	2981.6728213790534	2831.426845536477	2788.01738301038	2788.28738801305	45.4094762526099	45.4094762526099
603	17063	26378.85867730351	857573.71720250766	-39.25051814405365	-100.7063613	352719.140144116	434378.189600339	2979.73827619377	2831.324357214116	2787.353686574536	2787.353686574536	43.0065492579145	43.0065492579145
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605	17065	27698.85867730351	857573.71720250766	-39.2505146	-100.7017034	353121.4683469694	434374.120280034	2975.441348299105	2827.141348299105	2782.74548547595	2782.74548547595	47.7338051745994	47.7338051745994
606	17066	28358.85867730351	857573.71720250766	-39.25051247676028	-100.6993475	353325.1247676028	434374.12448135	2973.296455161613	2823.44776773137	2781.73599014471	2781.73599014471	51.3189114869276	50.707170309491
607	17067	29018.85867730351	857573.71720250766	-39.25051092246375	-100.6970548	353523.1560853496	434379.24288285	2972.1267598822057	2822.997023	2786.26864452616	2786.6954785688274	54.7277430468384	54.7277430468384
608	17068	29678.85867730351	857573.71720250766	-39.2505089183082	-100.6947166	353724.54074743844	434379.25641729	2970.92462426285	2820.939047130638	2783.9013503116294	2784.514384	50.7306982	54.4266283212899
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610	17070	30998.85867730351	857573.71720250766	-39.2505046	-100.6900587	354126.5896462762	434377.2184	2967.53655554353	2816.841034794853	2787.800339877333	2786.285095655089	58.0100360715241	58.55512734390695
611	17071	31658.85867730351	857573.71720250766	-39.2505022067132	-100.6877298	354327.6138843237	434373.298871827	2965.71770985438	2814.8025254882087	2786.480470335144	2786.218592555433	58.884196227665416	58.884196227665416
612	17072	32318.85867730351	857573.71720250766	-39.25050140131869	-100.6854009	354528.5315751529	434379.31120089	2964.475329304098	2812.71882484658	2786.276398307147	2786.4802170238	57.2828724257638	57.2828724257638
613	17073	32978.85867730351	857573.71720250766	-39.25049914970854	-100.683079	354728.961934261	434370.32774925	2962.835479263437	2810.758632963437	2787.25163219657	2787.15665058133	53.0256467	54.53351431740243
614	17074	33638.85867730351	857573.71720250766	-39.2504956444257	-100.680743	354930.8657483132	434379.32455936	2962.194167563024	2808.73908744946	2782.82211334142	2780.754101628832	49.017071153336	47.9849852604394
615	17075	34298.85867730351	857573.71720250766	-39.2504938183082	-100.678414	355131.70942175935	434367.35505415	2960.73646852946	2806.73646852946	2786.99025366274	2787.142774853985	36.74682190771	39.5947707676886
616	17076	34958.85867730351	857573.71720250766	-39.2504920690294	-100.6760851	355332.73205478965	434367.3722248	2960.798410743601	2804.770214748803	2787.8959056149374	2787.733671859417	38.2051118832897	39.9633490894362
617	17077	35618.85867730351	857573.71720250766	-39.2504896374476	-100.6737652	355533.76376470945	434369.3807951785	2960.74829695235	2802.76779811788	2784.447274853985	2786.33463470276	36.8281595499316	36.8281595499316
618	17078	36278.85867730351	857573.71720250766	-39.2504881134757	-100.6714272	355734.7796004127	434369.40308894	2960.698185611103	2800.84593245003	2783.677672131443	2782.742776232054	37.123205043984	38.45426543
619	17079	36938.85867730351	857573.71720250766	-39.250486187378	-100.6691794	355935.786515751	434369.42438116	2960.64679994728	2800.73679994728	2782.731888518695	2782.731888518695	44.5892038486596	44.5892038486596
620	17080	37598.85867730351	857573.71720250766	-39.25048410779771	-100.6667964	356136.8258684674	434379.43518958	2956.862324598107	2796.905505050505	2782.02211594427	2783.64885114354	37.416335164929	37.416335164929
621	17081	38258.85867730351	857573.71720250766	-39.250482741574	-100.664404	356337.84850266776	434379.451295286	2956.73186896517	2794.979942385432	2783.496244	2780.587577833701	41.4839	

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.f	BRElevBothKrg.f	62GeoKrg.f	62GeoBothKrg.f
700	73963	92378.85867307335	857737.3170250766	39.280113419387761	-0.07436683	372821.2663	4343347.384185485	2805.44897158496674	2666.903726050157	2607.2102021167143	62.6403042573743	62.3557836
704	73964	93038.85867307335	857737.3170250766	39.28017010039575	-0.07411394	373022.2763841077	4343343.415	2801.559071003656	2668.1021773531355	2604.5530350569762	63.746264949159286	63.56545502
705	73965	93698.85867307335	857737.3170250766	39.280167681983	-0.0742668105	373223.2909417582	4343339.44647956	2797.6623514223997	2666.854274119116	2602.3317784123968	64.12643425896725	64.12643425896725
706	73966	94358.85867307335	857737.3170250766	39.28004327455799	-0.06466416	373423.30182787974	4343335.477897209	2763.7686313410636	2601.239713998457	2601.4482032030235	64.8129587998715	63.78971073
707	73967	95018.85867307335	857737.3170250766	39.2800877351144	-0.06441527	373625.31343826404	4343331.509446959	2762.4822787800755	2601.2455841274796	2601.179644324652	62.9966845255954	62.66263445542336
708	73968	95678.85867307335	857737.3170250766	39.28008173450614	-0.06418238	373826.32493018254	4343327.541	2787.8954570931315	2602.42733976917	2601.924673062758	60.7457670695901	60.7271598
709	73969	96338.85867307335	857737.3170250766	39.28007386665146	-0.05494984	374027.3236991582	4343323.5229286	2785.276399595867	2601.17625665617	2603.221207513444	58.21996822817482	55.207966822817482
710	73970	96998.85867307335	857737.3170250766	39.28006841745696	-0.04571659	374228.3475	4343319.05367618	2782.660395	2606.90869760394	2604.935996906883	54.4709007970557	54.4709007970557
711	73971	97658.85867307335	857737.3170250766	39.2800616788916	-0.03545837	374429.3586737792	4343315.63786515	2786.128942565555	2606.87153380721	2606.87153380721	51.63764717	51.63764717
712	73972	98318.85867307335	857737.3170250766	39.2800542901072	-0.02525081	374630.369798348	4343311.67018308	2787.2215814803637	2605.859507422586	2608.565161482455	48.3655744310509	48.3655744310509
713	73973	98978.85867307335	857737.3170250766	39.2800428515665	-0.01501792	374831.380653259	4343307.702690343	2777.27706628275	2605.92778298284	2610.6385470557374	46.33847892251065	45.4624853809844
714	73974	99638.85867307335	857737.3170250766	39.28004143631798	-0.00455303	375032.3913045875	4343303.75781836	2778.17318065787	2603.74160254701	2611.9729638439126	42.7586383130835	42.7586383130835
715	73975	100298.85867307335	857737.3170250766	39.280034622494706	-0.00477524	375233.4019754314	4343299.768756754	2769.7682123432684	2603.503101003775	2612.42879179518	40.0743099253678	40.0743099253678
716	73976	100958.85867307335	857737.3170250766	39.2800277663844	-0.00431925	375434.412600384	4343295.802	2766.200929494726	2602.383273116575	2610.546923227625	41.7367240889494	41.7367240889494
717	73977	101618.85867307335	857737.3170250766	39.28002085990905	-0.0040836	375635.4230596746	4343291.835370666	2765.050896742635	2601.073457519744	2605.9599715911063	40.511074186861805	40.511074186861805
718	73978	102278.85867307335	857737.3170250766	39.28001391111388	-0.00385347	375836.4332914085	4343287.86894941	2769.06436297709	2600.823921291914	2600.823921291914	39.03581434844558	39.03581434844558
719	73979	102938.85867307335	857737.3170250766	39.28000691735241	-0.00362057	376037.4435781826	4343283.90706546	2758.71365457373	2600.6616056927	2599.348269011972	35.30789164756474	35.30789164756474
720	73980	103598.85867307335	857737.3170250766	39.27999987606033	-0.00338768	376238.4535050585	4343278.36644643	2752.5805216666135	2600.4792029430034	2599.33938137118	33.15210941674544	33.15210941674544
721	73981	104258.85867307335	857737.3170250766	39.27999279487572	-0.00315479	376439.4633431335	4343275.970762352	2749.34789594528	2600.26496674413	2591.653648362404	31.407233660174	31.407233660174
722	73982	104918.85867307335	857737.3170250766	39.2799856616033	-0.0029219	376640.4732430517	4343272.00560208	2746.341255292415	2600.02096886637	2592.3473315956827	29.27285191360425	29.27285191360425
723	73983	105578.85867307335	857737.3170250766	39.279974862460994	-0.00268901	376841.4829341613	4343268.039576011	2742.9429607663873	2603.800294638356	2593.58462175116	26.9366570103057	26.9366570103057
724	73984	106238.85867307335	857737.3170250766	39.2799712377693	-0.00245812	377042.492505935	4343264.071387732	2738.93356321773	2602.54708634517	2596.82205375096	24.7503261428289	24.7503261428289
725	73985	106898.85867307335	857737.3170250766	39.2799644010183	-0.00222733	377249.5046616381	4343258.139234455	2736.94386770814	2601.3452621174	2594.93829213197	23.582737316996	23.582737316996
726	73986	107558.85867307335	857737.3170250766	39.27995671455396	-0.00199304	377444.5111	4343252.10451068	2734.712742634244	2600.1454338888	2598.081585484209	21.5581060406283	21.5581060406283
727	73987	108218.85867307335	857737.3170250766	39.27994934781794	-0.00175745	377645.5205174985	4343252.179428067	2730.555811579063	2600.865984324151	2599.8625036246556	19.50977083	19.50977083
728	73988	108878.85867307335	857737.3170250766	39.27994194919607	-0.00152456	377846.52961908473	4343244.216260242	2727.04154053479	2600.6726293191117	2601.7037369014297	17.5627986499687	17.5627986499687
729	73989	109538.85867307335	857737.3170250766	39.27993458982624	-0.00129167	378047.5386038096	4343242.250183386	2724.539229496051	2600.3654892535875	2603.5175553130243	15.32256529	15.32256529
730	73990	110198.85867307335	857737.3170250766	39.27992701699914	-0.00105878	378248.5474705909	4343240.2859027	2723.030908446237	2603.143598529834	2604.8373252360666	13.30603416916762	13.30603416916762
731	73991	110858.85867307335	857737.3170250766	39.27991946324205	-0.00082213	378449.55687565	4343236.318777322	2720.974386771574	2602.889942789767	2606.8438094872675	11.295864783927315	11.295864783927315
732	73992	111518.85867307335	857737.3170250766	39.2799119048619	-0.000585	378650.563845743	4343232.47541719	2720.369604702545	2600.130400959307	2600.7160579616423	9.3137816219427	9.3137816219427
733	73993	112178.85867307335	857737.3170250766	39.27990428132092	-0.00036011	378851.57337175554	4343228.394211567	2720.764833710442	2601.338013292669	2599.623250865304	7.37566242735566	7.37566242735566
734	73994	112838.85867307335	857737.3170250766	39.27989661792814	-0.00012722	379052.58177760033	4343224.431	2723.160066839547	2600.31209650839	2590.93255719273	5.188476042588	5.188476042588
735	73995	113498.85867307335	857737.3170250766	39.2798888928038	-0.00039433	379253.5900575218	4343219.407404819	2722.430382935273	2600.854793471063	2589.29469667017	3.5568626783515	3.5568626783515
736	73996	114158.85867307335	857737.3170250766	39.27988114073634	-0.00036144	379454.5926525159	4343216.504121204	2720.564832053243	2600.952546706467	2599.562546706467	1.7122983313534	1.7122983313534
737	73997	114818.85867307335	857737.3170250766	39.27987333730281	-0.00033925	379655.6062795855	4343212.541171415	2720.2653226876813	2600.854793471063	2589.29469667017	0.174823171310355	0.174823171310355
738	73998	115478.85867307335	857737.3170250766	39.27986540887305	-0.00031656	379856.6142173845	4343208.579234455	2720.040969968324	2600.823921291914	2600.823921291914	0.00031656	0.00031656
739	73999	116138.85867307335	857737.3170250766	39.27985759587735	-0.00029727	380057.827	4343204.051649284	2720.07766782712	2600.854793471063	2589.29469667017	0.00031656	0.00031656
740	74000	116798.85867307335	857737.3170250766	39.2798495695389	-0.00027898	380258.62974800327	4343200.653	2720.03227890475	2600.31209650839	2592.3473315956827	0.00031656	0.00031656
1	74001	-370941.1413	858397.3170250766	39.28256192358464	-0.02108324	331672.950333206	4346379.814	4052.932540385243	3822807.4048814	3746.382957713565	74.44778274	74.44778274
2	74002	-370281.1413	858397.3170250766	39.28258718255255	-0.02106039	331874.0984448123	4346375.176039451	4050.04843422552147	3829.396197042184	3744.0138920812548	73.4344681523667	73.4344681523667
3	74003	-369621.1413	858397.3170250766	39.28251329647125	-0.02103673	332075.2429024294	4346371.618556345	4045.0586788917137	3827.807146	3741.826152995253	71.75878287165	71.75878287165
4	74004	-368961.1413	858397.3170250766	39.28253733730281	-0.02103468	332276.3936981708	4346367.5212590145	4042.166234	3826.363088457688	3738.7903201081183	70.3874493141271	70.3874493141271
5	74005	-368261.1413	858397.3170250766	39.28256192358464	-0.02102213	332477.5468127454	4346363.1817289838	4040.2746814252877	3825.748414252877	3741.74214252877	68.9683141584794	68.9683141584794
6	74006	-367641.1413	858397.3170250766	39.28253733730281	-0.02100967	332678.6283221535	4346362.327121662	4038.31561395434	3824.734747139615	3735.544629965452	67.85470624030936	67.85470624030936
7	74007	-366981.1413	858397.3170250766	39.28254128027193	-0.02094361	332879.8350154512	4346355.23042164	4035.8762976172564	3822.5538401163654	3733.709605845936	67.8438751707715	67.8438751707715
8	74008	-366321.1413	858397.3170250766	39.28254779191861	-0.02092036	333080.9815545127	4346351.133871337	4033.659126728938	3819.955216728938	3731.516793195987	67.8438751707715	67.8438751707715
9	74009	-365661.1413	858397.3170250766	39.28254673072295	-0.02089704	333282.127787222	4346347.037588124	4028.097556836307	3818.342007	3729.558566065834	67.8315011954555	67.8315011954555
10	74010	-365001.1413	858397.3170250766	39.28254763525231	-0.02087374	333483.2773776812	4346342.941375979	4025.46337208676	3817.9495643455	3727.5945291791595	67.811866909	67.811866909
11	74011	-364341.1413	858397.3170250766	39.28256192358464	-0.02085097	333684.3169009443	4346338.455879801	4023.276329615306	3815.96857569285	3726.0030412105	67.80683141584794	67.80683141584794
12	74012	-363										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEV.Kg.f	BRELEVBoth.Kg.f	SatH.Kg.f	SatHBoth.f
89	101	74089	-312861.1413	858397.3170250766	39.22731254988406	-101.9034143	249372.9883859422	4346019.9293902835	3827.9754673438983	3665.886199	3588.1142603872227	35789.682177724957	77.77193836611741	86.27798098
90	101	74090	-312201.14201	858397.3170250766	39.22733385102671	-101.9010857	249574.11369756505	4346015.444500767	3625.359585896687	3663.693375614771	3588.7661531816184	3581.540244654795	74.5272249725626	82.15313113
91	101	74091	-311541.1431	858397.3170250766	39.22735517919215	-101.898767	249756.23915596952	4346011.760784428	3623.68478569147	3671.473392748175	3589.585490917358	3581.233896543598	71.8878907309159	80.2576201401871
92	101	74092	-310881.14301	858397.3170250766	39.22737631830306	-101.8964283	249766.3049358808	4346007.68549071	3629.2657142124628	3589.659426	3582.388006240174	3566.71648674819	76.2873610002655	80.3166280056784
93	101	74093	-310221.1431	858397.3170250766	39.22739478451929	-101.8940906	250177.48883401745	4346003.6050191306	3622.2211595015715	3656.964186268573	3588.783478625984	3586.6349554617805	78.17113963725888	70.31066280507684
94	101	74094	-309561.1431	858397.3170250766	39.22741860582493	-101.8917709	250378.61323760222	4346001.554145036	3821.4892414551793	3654.6624192529272	3588.1037006744496	3580.366130140174	66.587187784769	64.30611778052328
95	101	74095	-308901.1431	858397.3170250766	39.227439682012626	-101.8894422	250597.7376	4345995.444	3821.278998083644	3652.3506801715286	3587.4752688726035	3594.3134900151332	68.475329892516	58.0357262899516
96	101	74096	-308241.1431	858397.3170250766	39.227460711336011	-101.8871136	250780.8616	4345991.367360388	3821.590123938644	3650.0191948313122	3807.4323209848	3597.754063011532	62.592481624623	52.2658518269811
97	101	74097	-307581.1431	858397.3170250766	39.22748169956158	-101.8847489	250881.9685327853	4345987.283711059	3821.901260984717	3647.67183293843	3599.876701705937	3597.08082379763	59.69613422264524	50.6536983036044
98	101	74098	-306921.1431	858397.3170250766	39.22750264069556	-101.8824552	251183.108262507	4345982.204	3822.212391909585	3648.30165619534	3598.63999975875	3600.714835579865	56.56671694143576	44.5496263193728
99	101	74099	-306261.1431	858397.3170250766	39.22752533733206	-101.8801275	251398.028870626	4345979.124167819	3822.500166808144	3642.30036261421995	3588.3230646790416	3606.02989657516	53.6070214315786	36.9019275670044
100	101	74100	-305601.1431	858397.3170250766	39.22754438701701	-101.8777798	251585.3551017545	4345975.404673999	3822.7645935195974	3640.539307249539	3589.69758243011	3608.7363011640214	50.84717248248211	31.803006131471648
101	101	74101	-304941.1431	858397.3170250766	39.22756519509235	-101.8754701	251786.4778685552	4345970.96535089	3823.029071381561	3638.192271381561	3589.4157315030865	3589.545705757215	48.112339877754556	28.583700624345965
102	101	74102	-304281.1431	858397.3170250766	39.22758595650408	-101.8731414	251987.6003902154	4345966.886241415	3823.293431425096	3635.704203077088	3588.5283352416754	3615.304226698984	47.15967835125466	25.3603737819374
103	101	74103	-303621.1431	858397.3170250766	39.22760672942144	-101.8708127	252188.722666031	4345962.80720327	3823.565687501329	3632.565687030553	3588.3298991528107	3607.925346539747	46.94337114154465	23.45401433808616
104	101	74104	-302961.1431	858397.3170250766	39.22762734	-101.868484	252389.8449695164	4345958.728540963	3823.854457109324	3630.830051	3583.384120323443	3610.472417807055	47.46443058949696	27.3581310488447
105	101	74105	-302301.1431	858397.3170250766	39.22764707881094	-101.8661153	252590.965	4345954.61989081	3824.14032631629	3628.388995929777	3579.738890524454	3603.4121763492	48.46179068233755	27.5811958015503
106	101	74106	-301641.1431	858397.3170250766	39.22766852383925	-101.8638266	252792.0802232696	4345945.5197689	3824.426195523425	3625.948539	3575.57787603241	3598.684771771962	50.37066202989045	27.26416111428054
107	101	74107	-300981.1431	858397.3170250766	39.22768980808946	-101.8614979	252993.2093180502	4345943.493399478	3824.082498623584	3623.515553340794	3579.73506942099	3599.3640225192025	52.0462469921045	24.16935141487793
108	101	74108	-300321.1431	858397.3170250766	39.22770956045608	-101.8591692	253194.3306362316	4345942.415	3823.129528723283	3621.09596040587	3566.108908005993	3596.2948968921536	54.8970515962389	24.80172482703307
109	101	74109	-299661.1431	858397.3170250766	39.2277200720534	-101.8568405	253395.45176170676	4345938.338	3822.16979453128	3619.68709653103	3571.3523512135365	3592.95418917613	57.344745287289555	25.74291058532172
110	101	74110	-299001.1431	858397.3170250766	39.2277504261664	-101.8545118	253596.5717389717	4345934.259915238	3821.21000185558	3616.3274754853526	3565.052612594008	3591.9754502807	60.27521319955183	24.65168135
111	101	74111	-298341.1431	858397.3170250766	39.22778180322964	-101.852182	253797.9852787853	4345929.1824764212	3820.2618247662331	3614.96247861718	3564.9156484989167	3591.6539914638667	62.5427230847176	22.86372358798035
112	101	74112	-297681.1431	858397.3170250766	39.2277910665822	-101.849654	253988.8121330771	4345926.105184387	3819.837935250096	3611.716301159421	3545.322989383596	3591.183451574398	66.934023303522	20.5284959502298
113	101	74113	-297021.1431	858397.3170250766	39.2278113632254	-101.8475257	254199.81964289	4345922.02806513	3811.8151731810306	3609.497	3539.503117050551	3580.6719025909248	69.99466419	28.82587880290363
114	101	74114	-296361.1431	858397.3170250766	39.22783159	-101.845197	254401.0515532814	4345917.951193671	3808.2785730343	3607.353423733693	3533.011550794733	3565.895464136837	74.34199248	43.4580713653243
115	101	74115	-295701.1431	858397.3170250766	39.22785176190274	-101.8428683	254602.1708985651	4345913.874475855	3804.4917932777057	3605.293804903631	3525.375621099252	3545.004461363997	79.9181834010905	60.289368793870275
116	101	74116	-295041.1431	858397.3170250766	39.22787189362506	-101.8405395	254803.29000116242	4345909.779430575	3800.4920418141246	3603.32763994384	3516.064288316253	3523.07509291007	87.26341110275871	80.25254703287692
117	101	74117	-294381.1431	858397.3170250766	39.227891803082025	-101.8382108	255004.408989621	4345905.192324543	3798.46891725074	3601.95309789188	3514.91221250138	3521.98472382608	90.756214952608	75.78838307
118	101	74118	-293721.1431	858397.3170250766	39.227911202214662	-101.8359811	255201.654340459	4345901.645430459	3792.47140687233	3599.703128525003	3497.591626958794	3521.115255702145	106.12254002582514	68.78754700529522
119	101	74119	-293061.1431	858397.3170250766	39.227932018934716	-101.833554	255406.6459534054	4345897.569459783	3789.23086716127	3588.84522494987	3494.77370541165	3498.72227440431	103.6211519532175	89.3920595005578
120	101	74120	-292401.1431	858397.3170250766	39.227951970744506	-101.8312247	255608.764066579	4345893.65958578	3786.739257734077	3596.49013053398	3491.79975267503	3513.992266224326	110.6992037505011	82.5072434309654
121	101	74121	-291741.1431	858397.3170250766	39.2279718757594	-101.828886	255808.89177780045	4345889.418052064	3784.274371958686	3595.0364371136425	3488.929169073708	3531.45715893173	106.1073103993425	78.5881180468913
122	101	74122	-291081.1431	858397.3170250766	39.22799173942898	-101.8265672	256009.996273961	4345885.342629231	3781.749614578595	3593.6651672025387	3486.418350544322	3508.1666214995	107.2468176582163	67.29844916900535
123	101	74123	-290421.1431	858397.3170250766	39.22801155633038	-101.8242385	256211.110355595	4345881.26791363	3780.10268567648	3592.371935050087	3485.3256207269856	3508.20020086902	107.047986226435	73.14257128705984
124	101	74124	-289761.1431	858397.3170250766	39.22803132819797	-101.8219678	256412.240246742	4345877.192346459	3778.302328177884	3591.15231250138	3484.99113101108	3507.48472382608	108.765499401207	65.6507237517856
125	101	74125	-289101.1431	858397.3170250766	39.22805105611733	-101.8195811	256613.113239643	4345873.17407059	3776.50218970140	3589.950395954856	3483.663437412423	3505.997614181866	106.73742582628	34.89747961
126	101	74126	-288441.1431	858397.3170250766	39.22807073056406	-101.8175253	256814.46781348626	4345869.043	3775.16012227233	3588.894148371931	3484.3397031049253	3554.03583689846	104.55444521300569	34.8956426246455
127	101	74127	-287781.1431	858397.3170250766	39.228090374016894	-101.8149236	257015.584257964	4345864.968	3776.805176522535	3887.8428591657384	3483.644259822812	3549.52429013585	104.19589934292663	38.9185015033606
128	101	74128	-287121.1431	858397.3170250766	39.2281096599876	-101.8125949	257216.7040620315	4345860.9397323	3775.81150289615	3586.834649199673	3482.4784256923635	3546.697387182717	104.35640350760377	40.13666602
129	101	74129	-286461.1431	858397.3170250766	39.22812951300199	-101.8102662	257417.8148259677	4345856.81948128	3774.81807162437	3585.863847362224	3481.125068777537	3537.78137837945	104.781519878478	47.9184102488789
130	101	74130	-285801.1431	858397.3170250766	39.2281491052648	-101.8079374	257618.9314976052	4345854.75904547	3773.824234322597	3584.50709956339	3479.547241924406	3526.75276885103	106.758027403287	58.17130414
131	101	74131	-285141.1431	858397.3170250766	39.22816932729729	-101.805681	257820.0484890464	4345850.784890464	3772.8672367188	3583.7051473861628	3477.0827386193188	3524.9538193108	107.48361393158	65.78838307
132	101	74132	-284481.1431	858397.3170250766	39.2281878813041	-101.80328	258021.1629	4345845.598573025	3770.155054848093	3583.1132433931067	3476.629381561624	3507.34730343394	107.48361393158	76.87547900529522
133	101	74133	-283821.1431	858397.3170250766	39.22820752127554									

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKrg.ft	BREIElevBothKrg.ft	SatThkLog.s	SatThkBoth.ft
15	74215	-229701.1413	858397.3170250766	39.229642286277866	-101.609991	274712.9134031181	4345507.135854275	3616.2736354000462	3451.261141230999	3478.510535905333	3475.3641882359984	0	
216	74216	-229041.1413	858397.3170250766	39.229657620005964	-101.6076622	274914.00528156474	4345503.07778524	3616.08276845904	3449.652690483433	3474.4970704268967	3473.2211671595445	0	
217	74217	-228881.1413	858397.3170250766	39.229673369773185	-101.605334	275115.1048106566	4345497.198059217	3615.8919243172844	3448.25868519878	3473.446876354293	3472.446876354293	0	
218	74218	-227721.1413	858397.3170250766	39.22968902516434	-101.603006	275310.2030182033	4345493.62206901	3615.701036775053	3446.454040820948	3468.631235580014	3472.924141851014	0	
219	74219	-227061.1413	858397.3170250766	39.22970451259356	-101.6006757	275517.2950330675	4345490.904693015	3614.954169058137	3444.8633902451156	3465.3325171040026	3467.0592668340398	0	
220	74220	-226401.1413	858397.3170250766	39.22972001	-101.5983469	275718.904678715	4345486.487363405	3613.6513018113046	3443.278151969723	3460.6840276693642	3469.22167253296	0	
221	74221	-225741.1413	858397.3170250766	39.22973541392017	-101.5960181	275919.48582106038	4345482.790218065	3612.3484341144713	3441.687993212097	3458.14581104652	3467.6948453606068	0	
222	74222	-225081.1413	858397.3170250766	39.2297507775798	-101.5936892	276120.579723209	4345478.733	3611.1045566417639	3440.12235346456928	3456.1074768196386	3467.9145367067933	0	
223	74223	-224421.1413	858397.3170250766	39.2297665661483	-101.5913504	276321.6740328914	4345474.676489151	3610.429058143887	3438.5513731413566	3454.0893488869506	3468.5451684920248	0	
224	74224	-223761.1413	858397.3170250766	39.2297813704884	-101.5890316	276522.781128554	4345470.619887567	3610.489802932216	3436.984522505054	3452.3272470219517	3467.342134861114	0	
225	74225	-223101.1413	858397.3170250766	39.2297965938077	-101.5867027	276723.86197230767	4345466.563479222	3610.5687604425452	3434.221728571115	3450.5738195054074	3466.2106814926234	0	
226	74226	-222441.1413	858397.3170250766	39.22981178391375	-101.5843739	276924.9556114526	4345462.507255107	3610.638611591874	3433.8600558236126	3449.216085257066	3465.131058011768	0	
227	74227	-221781.1413	858397.3170250766	39.2298266	-101.582045	277126.030495675	4345458.45125126	3610.26555930940684	3432.30401725084478	3448.031620345172	3464.105411987065	0	
228	74228	-221121.1413	858397.3170250766	39.22984201616692	-101.5797162	277327.1422296403	4345454.395	3609.449704938329	3430.740912290439	3447.7261664145512	3463.13767	0	
229	74229	-220461.1413	858397.3170250766	39.22985706515182	-101.5773784	277528.2350959047	4345450.339688075	3608.6382167861896	3429.181494105412	3446.8259112149703	3462.23778	0	
230	74230	-219801.1413	858397.3170250766	39.229872009114724	-101.5750585	277729.3276910581	4345446.284200809	3607.817026340483	3427.6210626100964	3446.019867785636	3460.05022515492	0	
231	74231	-219141.1413	858397.3170250766	39.22988702811568	-101.5727297	277930.4205697435	4345442.228897739	3606.1047968244979	3426.0858485111684	3445.275592786528	3459.9401831915557	0	
232	74232	-218481.1413	858397.3170250766	39.22990194213458	-101.5704008	278131.5128313051	4345438.173778853	3603.4942113574795	3424.4932510768595	3445.167134	3460.1304518566474	0	
233	74233	-217821.1413	858397.3170250766	39.22991681171144	-101.568072	278332.6043048046	4345434.118844148	3600.8840458904086	3422.923758409818	3444.58565310713	3458.555081	0	
234	74234	-217161.1413	858397.3170250766	39.22993163252625	-101.5657342	278533.69681815256	4345430.064093615	3598.2736702348212	3421.3491468591947	3443.32828761352	3457.808741393669	0	
235	74235	-216501.1413	858397.3170250766	39.22994641429894	-101.5634143	278734.78843875834	4345426.095927247	3595.9932369691355	3419.768172681859	3442.4221479625849	3458.6064382667855	0	
236	74236	-215841.1413	858397.3170250766	39.22995615	-101.5610655	278935.8799511074	4345421.565145037	3593.0502903300445	3418.183308104033	3441.73100440891	3459.415363848755	0	
237	74237	-215181.1413	858397.3170250766	39.22997136747696	-101.5584815	279136.961918046	4345417.776807515	3591.801595128106	3416.596528442054	3440.597367196245	3461.7441343276523	0	
238	74238	-214521.1413	858397.3170250766	39.22999048162412	-101.5554278	279332.607118542	4345413.84630357	3590.177411591035	3415.00776629296	3438.819257662099	3459.005517240654	0	
239	74239	-213861.1413	858397.3170250766	39.23000508	-101.5540898	279539.1526566405	4345409.793	3589.5897588786767	3413.41633865964	3437.2546828849913	3455.1052828801492	0	
240	74240	-213201.1413	858397.3170250766	39.230019634928674	-101.5517701	279740.2452403209	4345405.739457616	3590.385146281468	3411.820717602494	3436.755445145294	3451.268333553013	0	
241	74241	-212541.1413	858397.3170250766	39.2300341441109325	-101.5494412	279941.33309117635	4345401.688596076	3591.170404674969	3410.2193626765566	3434.1088365631313	3447.505054604693	0	
242	74242	-211881.1413	858397.3170250766	39.23004860830359	-101.5471124	280142.4240423899	4345397.623718654	3591.959563	3408.6114053239507	3432.0478914849746	3444.144271544824	0	
243	74243	-211221.1413	858397.3170250766	39.23006302752139	-101.5448633	280343.3796587575	4345393.3796587575	3591.801595128106	3406.98236828224	3430.32683828224	3441.7441343276523	0	
244	74244	-210561.1413	858397.3170250766	39.2300771	-101.5424547	280544.6036772719	4345389.3267719	3590.705053450916	3405.3724188733017	3435.23887787988	3439.23887787988	0	
245	74245	-209901.1413	858397.3170250766	39.23009173101117	-101.5401258	280745.693264805	4345385.47388975	3589.612056307018	3403.73741789544	3426.5533750314594	3436.5604802837355	0	
246	74246	-209241.1413	858397.3170250766	39.230106015278864	-101.5377968	280946.7854553874	4345381.421447927	3588.511753369818	3402.0886423190714	3424.6780948418923	3434.5363601211924	0	
247	74247	-208581.1413	858397.3170250766	39.23012025456413	-101.5354881	281147.8716055964	4345377.3690909055	3586.789125178965	3400.4251497167475	3422.427217162184	3432.3564240082787	0	
248	74248	-207921.1413	858397.3170250766	39.23013444866994	-101.5331392	281348.96044894567	4345373.316918053	3584.3664469599136	3398.7472148992274	3420.0278945408872	3430.232667446494	0	
249	74249	-207261.1413	858397.3170250766	39.23014858918727	-101.5308104	281550.4804978523	4345369.264923213	3581.9643687348625	3397.653279427834	3419.922704707696	3428.9579835489	0	
250	74250	-206601.1413	858397.3170250766	39.230162752507	-101.5284815	281751.1374918046	4345365.231112423	3579.34102858736	3412.463872721216	3416.49302350772	3427.94302350772	0	
251	74251	-205941.1413	858397.3170250766	39.2301767169303	-101.5261526	281952.2256899618	4345361.162	3578.331688517919	3393.6119216215666	3409.962891841614	3424.5060587712605	0	
252	74252	-205281.1413	858397.3170250766	39.2301907625304	-101.5238238	282153.3167303134	4345357.110066798	3573.4734027501577	3391.8617031463673	3409.5201501804813	3423.2686971211024	0	
253	74253	-204621.1413	858397.3170250766	39.23020474564315	-101.5214949	282354.0414413846	4345353.05814307	3570.251336982456	3390.09183618493	3407.0328734096984	3421.82365119829	0	
254	74254	-203961.1413	858397.3170250766	39.23021867005063	-101.5191661	282555.4889951273	4345349.007745657	3566.9587712147247	3388.294308886853	3404.403809568034	3416.706454657186	0	
255	74255	-203301.1413	858397.3170250766	39.2302324947548	-101.5168372	282766.576335981	4345344.958681028	3563.7687717997175	3386.471268833745	3402.044584	3411.3429911650246	0	
256	74256	-202641.1413	858397.3170250766	39.23024633917645	-101.5149503	282957.634969884	4345340.36016402	3560.680046729607	3384.6211352877493	3400.45045586017	3410.72424628994	0	
257	74257	-201981.1413	858397.3170250766	39.23026037377215	-101.5126815	283158.7263718175	4345336.24887237915	3557.581488729373	3382.918350181174	3398.922712163002	3409.922712163002	0	
258	74258	-201321.1413	858397.3170250766	39.230273917853864	-101.5103868	283359.8337	4345323.805511312	3554.6831954053176	3380.683520849761	3402.6277434060491	3407.6277434060491	0	
259	74259	-200661.1413	858397.3170250766	39.23028761734786	-101.5075217	283560.9255279217	4345325.755162511	3550.589765129235	3378.922668874645	3395.0939213332176	3401.67769090886	0	
260	74260	-200001.1413	858397.3170250766	39.23030172185906	-101.5051929	283762.0098234876	4345324.7051974865	3545.9291941842028	3376.973102218454	3393.2343038995572	3399.04312766799	0	
261	74261	-199341.1413	858397.3170250766	39.230314881387498	-101.502864	283963.0968810522	4345320.655471156	3541.259307041708	3374.98849789923	3391.511054529047	3397.72979943499	0	
262	74262	-198681.1413	858397.3170250766	39.230334459533075	-101.5005351	284164.1817569224	4345316.6058204295	3538.58847223239695	3372.9998272192906	3389.0246621965767	3395.25116304588	0	
263	74263	-198021.1413	858397.3170250766	39.23035497	-101.4982663	284365.2675107181	4345312.556407659	3535.2387725919754	3370.78784044697206	3386.848862025542	3393.04589914928	0	
264	74264	-197361.1413	858397.3170250766	39.2303704607565	-101.4958774	284566.3277701121	4345308.507178845	3532.207278418195	3368.534067935852	3387.4730024988507	3391.83530693503	0	
265	74265	-196701.1413	858397.3170250766	39.23038869672596	-101.4935488	284767.437841036	4345304.458133956	3524.1753431942366	3366.869096781053	3385.603363579685	3389.732743742883	0	
266	74266	-196041.1413	858397.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
341	1041	74341	-145641.1413	858397.3170250766	39.23125789725815	-101.3165519	30089.3082966677	3434997.268357777	3413.8748072446533	3220.9068019775814	3197.0745883380296	3194.7654834236063	33.8223136395181	36.1413075151822
342	1041	74342	-145681.1413	858397.3170250766	39.231267863101515	-101.314223	30020.37737140934	3449893.23343657	3412.7628015183673	3221.597118496741	3195.2659302873437	3192.7694781109184	34.26524071299736	36.8017608882166
343	1041	74343	-145721.1413	858397.3170250766	39.2312737398625	-101.311864	30045.14470462698	344989.1987322898	3412.82993630831	3220.3486225786777	3194.336023504354	3190.742997168158	34.3096203246384	34.123683710458968
344	1041	74344	-145661.1413	858397.3170250766	39.2312676958346	-101.3095651	30065.51621313157	344989.164195454	3411.0761095522482	3226.92972223394	3191.3896773132735	3188.514174460024	34.500790914267	38.41553975369335
345	1041	74345	-143901.1413	858397.3170250766	39.231297409072376	-101.3072362	30083.5850185198	344981.129841352	3410.324569863232	3225.622834255381	3189.446512691065	3186.311707706429	36.17632156451591	39.31121265495196
346	1041	74346	-143241.1413	858397.3170250766	39.23130728	-101.3049072	30105.64537095022	344977.09564574	3409.568703414644	3224.348941742154	3187.3316034090253	3183.96089821108	36.79320576519007	40.44580526210757
347	1041	74347	-142581.1413	858397.3170250766	39.23130170175482	-101.3025783	30125.722204380	344976.01683114	3407.78097384185717	3223.0347818456717	3185.392977	3181.482064270027	36.14780523635146	41.55272178375079
348	1041	74348	-141921.1413	858397.3170250766	39.2313267134383	-101.300294	30146.79560042617	344969.027878963	3404.9592175667976	3221.7521071843285	3183.464713695015	3178.961724210333	38.2844651462305	42.79034697399511
349	1041	74349	-141201.1413	858397.3170250766	39.2313363544348	-101.2979204	301657.8569680489	344964.942581098	3402.1374612748213	3220.4768114558653	3181.50582728554	3176.35127489315	39.97160422725924	44.123683710458968
350	1041	74350	-140601.1413	858397.3170250766	39.23134597	-101.2959515	30185.82581954033	344960.9602555	3399.10570157508	3219.20883911025	3179.522975650149	3173.702752204879	38.685265067575	45.5068088137673
351	1041	74351	-139941.1413	858397.3170250766	39.2313553381119	-101.2932626	30205.9943241666	344958.927566279	3396.718561	3217.948137381837	3177.5058820668415	3170.996494398573	40.6225731495954	46.95164298326416
352	1041	74352	-139281.1413	858397.3170250766	39.231350504737742	-101.2909336	30226.01671549053	344952.894495284	3394.259514	3216.694391666156	3175.4478736576148	3168.1591741388614	41.2467655090085	48.3546727673002
353	1041	74353	-138621.1413	858397.3170250766	39.23137451838881	-101.2886047	302462.1290813705	344946.861607557	3391.8897717629092	3215.4472323820414	3173.2941834969097	3165.2941834969097	41.5034888513174	50.15322250260114
354	1041	74354	-137961.1413	858397.3170250766	39.23138394415406	-101.2862758	30263.1962137697	344944.8289304	3389.48402971689	3214.2044360307	3171.046095357348	3162.3006391715376	41.15534776875934	51.90080513
355	1041	74355	-137301.1413	858397.3170250766	39.2313932545712	-101.2839468	30284.2631523024	344940.3681884	3387.6422151083757	3212.9662882468977	3168.7602852965852	3162.7900425889523	42.7900425889523	52.9340423571536
356	1041	74356	-136641.1413	858397.3170250766	39.231402615113975	-101.2816179	30305.3298971783	344936.764	3386.364527937428	3211.71702300476	3166.377250011078	3165.009506457978	43.334452393909	55.1702189424944
357	1041	74357	-135981.1413	858397.3170250766	39.2314119528594	-101.2792889	30326.3644860104	344932.31889195	3385.06840766482	3210.48127231027	3163.936162727683	3162.9432466066	45.53196	57.522893306794
358	1041	74358	-135321.1413	858397.3170250766	39.2314212	-101.27696	30347.4620675454	344928.769917698	3383.80513935655	3209.2493286946	3161.8132657731526	3151.682779478166	47.101670962351	57.5420373102949
359	1041	74359	-134661.1413	858397.3170250766	39.2314303977512	-101.2746311	30368.528971904	344926.68129425	3381.407018726807	3208.3414589208204	3160.12699395147	3151.066800269297	47.7987595267318	56.9153788938905
360	1041	74360	-134001.1413	858397.3170250766	39.23143955829344	-101.2723021	30389.59404419664	344920.637	3377.880436126018	3206.736276599416	3157.854810118103	3151.0543263314	48.5828174183876	56.86684696628254
361	1041	74361	-133341.1413	858397.3170250766	39.23144860724566	-101.2699732	30407.60702385496	344916.6051025	3375.338593539545	3205.49327122296	3155.5629843092	3148.9402865303	49.309308820451	56.5612684626305
362	1041	74362	-132681.1413	858397.3170250766	39.23145737317184	-101.2676442	304271.7263110836	344907.3176386397	3370.827210770912	3204.74769525948	3153.269534674916	3147.48279960805	50.987012162678	56.76586666677295
363	1041	74363	-132021.1413	858397.3170250766	39.23146645343114	-101.2653186	30448.7917068958	344898.451083463	3368.2014724813	3203.81025278073	3151.02105278073	3145.016155572704	51.670155572704	57.5420373102949
364	1041	74364	-131361.1413	858397.3170250766	39.23147573	-101.262963	30467.5850907465	344905.51193613	3367.47515792934	3201.752217629516	3148.621119995673	3143.1395943285973	51.130760340824	58.1622633
365	1041	74365	-130701.1413	858397.3170250766	39.2314846170364	-101.2606574	30487.4921920246	344904.48127043	3364.751543831654	3200.499292100703	3146.2095080319884	3141.14386135555	52.8879171008194	59.3509305447368
366	1041	74366	-130041.1413	858397.3170250766	39.23149354911085	-101.258325	305075.9867	344896.450741011	3363.0256684508	3199.24015767192	3143.584732983633	3139.17326852144	55.6554139883872	60.0673031506748
367	1041	74367	-129381.1413	858397.3170250766	39.2315023891398	-101.2559995	305277.051367994	344892.420418329	3361.86533146317	3197.972576087514	3141.0143631600877	3137.1415478402705	56.9832124666374	60.8311774680001
368	1041	74368	-128721.1413	858397.3170250766	39.2315111837006	-101.2536706	305478.115804298	344888.39	3361.2678962525934	3196.694026354282	3138.434368859448	3128.599603647302	61.57974117688955	
369	1041	74369	-128061.1413	858397.3170250766	39.23151993662202	-101.2513416	30569.6254119805	344884.36032235	3360.670439	3195.40273494138	3136.85455453699	3126.13407133765	62.868823297625	
370	1041	74370	-127401.1413	858397.3170250766	39.2315265889858	-101.2490127	30580.240110695	344880.33048997	3360.173515009509	3194.092981482692	3135.11605716243136	3113.1565728329563	62.8363239563	
371	1041	74371	-126741.1413	858397.3170250766	39.231537304170644	-101.2466837	306081.3077066033	344876.306905888	3357.771426383091	3192.7693910583096	3130.808730011333	3129.1699435701107	61.9506614067662	63.5894474818986
372	1041	74372	-126081.1413	858397.3170250766	39.23154502046725	-101.2443548	306282.3716448732	344872.271551061	3353.76578500224	3191.352548995047	3128.447527632636	3126.949972922131	62.944976686806	64.05045651
373	1041	74373	-125421.1413	858397.3170250766	39.23155497178695	-101.2420258	306483.451289095	344868.24237625	3349.7601153115715	3189.982564591683	3126.243235160183	3125.554047415994	63.73923941564784	64.2405809508363
374	1041	74374	-124761.1413	858397.3170250766	39.23156302	-101.2396969	306684.4982529426	344864.1238473	3345.784521238473	3187.3216621089323	3124.343863276739	3123.162411989665	64.70987501	
375	1041	74375	-124101.1413	858397.3170250766	39.2315714945025	-101.2373679	306885.5616272264	344860.184	3343.59535337628	3187.004507055485	3122.614214239596	3122.614713652454	64.8403340035362	
376	1041	74376	-123441.1413	858397.3170250766	39.23157994	-101.23509	307086.6254119805	344856.15752927	3343.173215009509	3185.409132513834	3121.011684875918	3120.613997168158	64.807155572704	
377	1041	74377	-122781.1413	858397.3170250766	39.231589237176745	-101.232271	307887.6872651756	344852.12760698	3342.7971104	3183.765494410785	3119.561291256194	3116.69730839848	64.2028518517447	64.29481340123039
378	1041	74378	-122141.1413	858397.3170250766	39.2315967356212	-101.2303811	307488.7490935175	344848.09952169	3342.06832426657	3182.0310717446976	3118.3215516214972	3114.481158771695	63.7094652200395	63.58985675276446
379	1041	74379	-121461.1413	858397.3170250766	39.23160497486226	-101.2280521	307689.81250833	344844.078026707	3340.611118	3180.21709133138	3117.15681369334	3117.5286280436044	62.868823297625	64.05045651
380	1041	74380	-120801.1413	858397.3170250766	39.23161323137713	-101.2257232	307890.8743094343	344840.024884304	3340.073798941636	3178.321581430356	3115.917727323426	3116.5634484741744	62.868823297625	64.05045651
381	1041	74381	-120141.1413	858397.3170250766	39.23162142480672	-101.2233942	308091.9367294996	344834.511249515	3338.196442039437	3176.33189525103	3114.7757115414125	3115.425545598087	61.56767450109783	60.81840350400162
382	1041	74382	-119481.1413	858397.3170250766	39.23162961	-101.2210635	308292.9980611348	344831.36758133	3338.0498104	3174.2478052442	3113.905142736065	3113.891729457476	60.79637544416534	60.93035110665819
383	1041	74383	-118821.1413	858397.3170250766	39.2316379270998	-101.218792	308498.4905469417	344828.260158363	3337.164981377172	3172.664981377172	3112.664981377172	3111.643811324961	60.79637544416534	60.93035110665819
384	1041	74384	-118161.1413	858397.3170250766	39.23164581	-101.2164074	308695.121060333	344823.93205111	3336.332040987244	3169.93431234793	3111.505141468856	3110.981532207714	60.46030140721504	61.46030140721504
385	1041	74385	-117501.1413	858397.3170250766	39.23165383867191	-101.2140784	308896.182728558	344819.950971882	3336.0638484119694	3167.672536795094	3109.765609230541	3107.30111225		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
467	74467	-63381.14133	858397.3170250766	39.23215933429723	-101.0231026	325283.58302785147	3444490.31733394	3186.182397005083	291.373547800483	2913.447527557533	2905.30700665434	57.92602042729464	66.0165412304886
468	74468	-6227.14133	858397.3170250766	39.23216363195682	-101.0207376	325983.62944557504	3444496.99896825	3183.748800453628	2907.541159369781	2900.7755617653053	2901.7308511723427	60.46954877167309	68.51426674636375
469	74469	-6091.14133	858397.3170250766	39.23216784963009	-101.0184471	325784.57650576546	3444492.38186597	3181.513639020243	2909.2637018582345	2904.811700742864	2902.41485173819874	62.4145176138684	75.14870013381729
470	74470	-6140.14133	858397.3170250766	39.2321709231703	-101.0161157	325985.72161665244	3444478.27666705	3178.881784750060	2908.538658419635	2905.085658419635	2905.017009910507	64.74909761967064	83.52164637100395
471	74471	-6060.14133	858397.3170250766	39.232176255017635	-101.0137867	326186.76745745068	3444474.265369131	3175.723092669821	2907.960159080296	2904.1215971765223	2888.6971856171813	63.82866190373739	79.25297346311404
472	74472	-6008.14133	858397.3170250766	39.2321787373186	-101.0114557	326387.81312835694	3444470.25423391	3174.839107565415	2907.3972801910353	2903.1085968167186	2890.642649540637	64.75403170530986	76.5404170530986
473	74473	-5942.14133	858397.3170250766	39.232184445459765	-101.0091287	326588.8586295471	3444466.23480956	3173.995466694472	2906.849366694472	2902.1381779823037	2888.975090606464	64.7411871419408	77.8737766303024
474	74474	-5876.14133	858397.3170250766	39.2321847320128	-101.0067997	326789.90396130865	3444462.23251031	3172.911013162962	2906.256568654796	2902.07314363705	2887.169932400136	64.22324295403407	78.1265460430407
475	74475	-5810.14133	858397.3170250766	39.23219245959545	-101.0044077	326989.94027365493	3444458.221921976	3168.745041785413	2905.7317454383025	2903.1598423984456	2884.7239614978955	64.82891474657695	81.00779138524658
476	74476	-5744.14133	858397.3170250766	39.23219633725204	-101.0021477	327191.9941117471	3444454.212	3165.978984480359	2905.156453589595	2898.4622351450785	2886.011754585694	64.68421944	79.1446930204444
477	74477	-5678.14133	858397.3170250766	39.2322000657865	-100.9998127	327383.038416617	3444450.201292135	3163.208724723688	2904.5683989034255	2889.010244564989	2886.3995407754	64.5925151484336	78.16914574567863
478	74478	-5612.14133	858397.3170250766	39.23220413430356	-100.9974838	327594.035975119	3444446.191250627	3160.44051203316	2903.968201278172	2887.758396462507	2884.9068313081625	61.20996403192109	79.0173697900074
479	74479	-5546.14133	858397.3170250766	39.23220793711313	-100.9951548	327795.128	3444442.181391375	3157.4153857293448	2903.354491027187	2876.650225193544	2881.7886373208703	61.56585780684843	81.56585780684843
480	74480	-5480.14133	858397.3170250766	39.2322116849363	-100.9928258	327996.1724004305	3444438.17174379	3154.313712102587	2902.79615608495	2871.2892326390247	2879.891489989187	61.82403369400814	82.8302666030814
481	74481	-5414.14133	858397.3170250766	39.23221560777306	-100.9904698	328197.2165551244	3444434.16219523	3150.859594705873	2902.09785167940485	2868.257867940485	2877.9274684148484	61.84488650102782	84.1700076022891
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484	74484	-5216.14133	858397.3170250766	39.23222676364734	-100.9835098	328800.34800213587	3444418.13428741	3142.2065420445936	2900.1806477706377	2859.29428794123	2848.415601394713	61.10354457625012	112.36540437625012
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486	74486	-5084.14133	858397.3170250766	39.23223239716032	-100.9788518	329202.43479693044	3444414.17149225	3142.249748228086	2900.969161454536	2861.184396368027	2840.322222934007	61.0624977774264	123.6268395174264
487	74487	-5018.14133	858397.3170250766	39.23223674007841	-100.9765228	329403.4774940475	3444410.109	3140.06065551291	2900.75877172288	2900.324074657309	2840.74457541605	61.0592451938104	116.3280262824434
488	74488	-4952.14133	858397.3170250766	39.232240138010035	-100.9741938	329604.52905455054	3444406.10058482	3137.1860972816473	2907.645492777346	2861.994657075029	2839.93073571392	61.6545922503069	103.85317613294416
489	74489	-4886.14133	858397.3170250766	39.2322428517207	-100.9719876	329819.5078167524	3444350.040911559	3134.924927982125	2907.0278618874	2862.191809786792	2841.3690151403092	61.7380041496939	96.4363447
490	74490	-4820.14133	858397.3170250766	39.232246798913906	-100.9695359	330006.6035847253	3443938.04964597	3132.782104627002	2906.4111558583	2863.06048	2862.716184933781	61.73450816577802	93.6349032496658
491	74491	-4754.14133	858397.3170250766	39.23224960188612	-100.9672609	330207.0468883295	3443917.07293691	3130.363467759643	2905.799258830091	2877.8635219274856	2859.17971754067	61.73397380260519	90.6513410762900
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502	74502	-4028.14133	858397.3170250766	39.23228295187207	-100.9417187	332419.1057116724	3443500.040911559	3113.924927982125	2900.75877172288	2862.191809786792	2841.3690151403092	61.7380041496939	96.4363447
503	74503	-3962.14133	858397.3170250766	39.2322857080598	-100.9392589	332618.45787898167	3443454.99420485	3112.707959258188	2900.77869594827	2871.710541136623	2871.619283727892	73.7619203727892	73.7619203727892
504	74504	-3896.14133	858397.3170250766	39.2322883675334	-100.9369299	332821.1862194567	3443431.94118665	3110.596131068924	2900.510311	2868.374319594814	2868.35260487132	61.1359789253938	80.15770601355644
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506	74506	-3764.14133	858397.3170250766	39.2322936088036	-100.9322719	333223.2664152097	3443330.04503593	3107.454196739625	2900.37450492169435	2863.915819886897	2864.066491015435	61.83467228	83.2840056788005
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508	74508	-3632.14133	858397.3170250766	39.23229864941095	-100.9276714	333625.345900635	3443325.94717355	3104.9599730847696	2900.4615583196583	2862.916245515216	2863.254102360666	83.9312861737042	82.9898075721964
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510	74510	-3500.14133	858397.3170250766	39.23230351091951	-100.925616	334027.4248556575	3443317.9618008	3102.604914278155	2900.4615583196583	2862.916245515216	2863.254102360666	83.9312861737042	82.9898075721964
511	74511	-3434.14133	858397.3170250766	39.232305874160836	-100.920627	334228.4604604386	3443313.96270534	3118.1852461306617	2900.4615583196583	2862.916245515216	2863.254102360666	83.9312861737042	82.9898075721964
512	74512	-3368.14133	858397.3170250766	39.23230819241555	-100.918298	334429.50310363015	3443309.97940644	3115.078246					

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.f.t	BRIElevBoth.f.t	SatHtElev.f.t	SatHtBoth.f.t
593	74593	19778.8586770335	858397.3170250766	39.2234657031569	-100.729649	350713.1476040849	4343986.25003826	2987.625743844925	2851.257324406384	2787.625324447366	2798.7224550959327	63.0410762099764	52.53488967240374
594	74594	20438.8586770335	858397.3170250766	39.2234519962644	-100.72732	350914.170485499	4343982.261083216	2995.9135996272043	2849.47880985342	2790.61071726078527	2803.41413953134267	58.8809634849416	46.06466923199575
595	74595	21098.8586770335	858397.3170250766	39.223437	-100.72491	351155.2000	4343978.272390447	2994.677000691585	2847.6386329881747	2793.73427290874302	2799.5200222988735	53.80438231	48.119133830122
596	74596	21758.8586770335	858397.3170250766	39.2234423339586	-100.72262	351376.2266116544	4343974.287316499	2993.573721974683	2845.587132045226	2790.734210226995	2794.0940059782744	52.88449397582744	51.17736232919578
597	74597	22418.8586770335	858397.3170250766	39.2234087178257	-100.720333	351517.252686446	4343970.295307818	2992.38647580514	2843.4623027851903	2790.654548860176	2791.741373091590	52.8075409501439	51.72605968368124
598	74598	23078.8586770335	858397.3170250766	39.223396718266	-100.718004	351718.2866154274	4343966.307075747	2991.259213266054	2841.328965577136	2788.9312840012417	2790.73427653481892	52.3976755943176	51.0085473304963
599	74599	23738.8586770335	858397.3170250766	39.22337371596035	-100.715675	351919.3043205539	4343962.31	2989.44532442901	2839.194747186117	2787.677865482875	2789.608847977576	51.516881703242234	49.5879820851347
600	74600	24398.8586770335	858397.3170250766	39.2233603102277	-100.713346	352120.329358813	4343958.31159534	2988.965625	2837.062848845273	2786.76240459432	2786.032750687774	50.29747466255375	51.02934237913494
601	74601	25058.8586770335	858397.3170250766	39.2233454546287	-100.711017	352321.354077323	4343954.1890117	2988.464861	2834.934868131727	2786.0533496349185	2785.247420153267	48.87851849680849	48.69744797846011
602	74602	25718.8586770335	858397.3170250766	39.2233261	-100.708688	352522.3087	4343950.355968247	2987.198051052429	2832.812705182278	2785.144533652925	2786.574848124174	47.6681894	46.2342058167085
603	74603	26378.8586770335	858397.3170250766	39.2233083838309	-100.706359	352732.40592181776	4343946.388444275	2986.116767070549	2830.697501	2783.5701179662447	2784.6891021369383	47.12382094500474	46.00848591610785
604	74604	27038.8586770335	858397.3170250766	39.2232901886327	-100.70403	352924.430964427	4343942.381501817	2987.78636250822	2828.59510386956	2780.564199991762	2780.64108952822	46.02637040779397	46.95040143397364
605	74605	27698.8586770335	858397.3170250766	39.2232715335675	-100.701701	353125.45586444787	4343938.394503965	2987.64055262314	2826.49254654728	2777.18490604049	2777.2181460	45.9274428889784	49.2742428889784
606	74606	28358.8586770335	858397.3170250766	39.223254286363	-100.699372	353326.460219798	4343934.407760167	2987.402164016346	2826.40052639625	2771.7899448635005	2772.454835396623	45.616104004219324	51.9515691016249
607	74607	29018.8586770335	858397.3170250766	39.2232327383885	-100.697043	353527.5052372615	4343930.421116119	2987.251022867418	2822.3313746002673	2768.9508557268824	2767.4588189409633	52.568071887337492	54.87725566
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610	74610	30998.8586770335	858397.3170250766	39.223175102485	-100.690056	354130.5782316566	4343918.462450953	2987.830443841034	2816.158820278469	2757.187423702338	2757.963739102337	58.79127416173219	58.79127416173219
611	74611	31658.8586770335	858397.3170250766	39.2231501559616	-100.687727	354331.60227988556	4343914.47653634	2987.2163075281387	2814.11792295652	2756.082857190163	2756.833708347474	58.0387057663276	58.2830292
612	74612	32318.8586770335	858397.3170250766	39.223128351876	-100.685398	354532.626187019	4343910.48803249	2986.75521008947	2812.08372130408	2756.071928693916	2756.364080280074	58.01279514649241	56.7188518033418
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614	74614	33638.8586770335	858397.3170250766	39.2230834	-100.68074	354934.6738740409	4343902.502540706	2984.63342425848	2807.479890701	2760.74014230336	2758.17675775274	52.96807306536136	49.860310223473725
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616	74616	34958.8586770335	858397.3170250766	39.223036366525	-100.676082	355336.720	4343894.54921287	2983.6554987840914	2804.056815942347	2769.962704	2764.255637263595	43.09411751984655	39.801176677787906
617	74617	35618.8586770335	858397.3170250766	39.2230125832239	-100.673753	355537.7436113864	4343890.565133548	2982.206944085947	2802.09159119036	2772.200971176607	2768.38339510633	42.849171049526	38.7767517
618	74618	36278.8586770335	858397.3170250766	39.2229880798992	-100.6714241	355738.766674327	4343886.580526891	2981.748050226998	2800.114452	2769.254832685172	2756.412878052442	40.85964115081283	43.701543668805
619	74619	36938.8586770335	858397.3170250766	39.2229631	-100.6690951	355939.789896845	4343882.596101313	2980.46511052496	2798.1368999094067	2759.932177	2750.918270629044	38.2172258350678	47.2456236134225
620	74620	37598.8586770335	858397.3170250766	39.222937736529	-100.666761	356140.812384351	4343878.611956799	2980.38136899746	2796.27117168991	2754.39078890769	2754.39078890769	47.873280089419	47.1558943166115
621	74621	38258.8586770335	858397.3170250766	39.222912	-100.6644314	356341.832639235	4343874.632793341	2980.25118288957	2794.307610311477	2752.3011537700519	2752.3011537700519	48.7045831841465	48.7045831841465
622	74622	38918.8586770335	858397.3170250766	39.222885574087	-100.662181	356543.753743	4343870.6310936	2980.14418688139	2793.30709179175	2748.949070920373	2748.949070920373	50.400160827716	45.400160827716
623	74623	39578.8586770335	858397.3170250766	39.222858152904	-100.6597791	356743.879092861	4343866.60209565	2980.45782984017	2790.480183789858	2742.952616230082	2745.0027450383044	45.275675697671	45.275675697671
624	74624	40238.8586770335	858397.3170250766	39.2228316177717	-100.657401	356944.9021312207	4343862.67689227	2981.5873696915	2790.88313069735	2740.26375786966	2742.20027178872654	43.511949172913	46.38285881246975
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627	74627	42218.8586770335	858397.3170250766	39.222747306225	-100.6504831	357547.967865224	4343850.72214314	2980.496157853023	2782.901796637028	2733.2038788653584	2734.261486265238	49.7600907952135	48.73683838031946
628	74628	42878.8586770335	858397.3170250766	39.2227183040216	-100.6481341	357749.896510485	4343846.74410878	2980.451272195113	2782.02119871078	2732.02119871078	2732.02119871078	48.7045831841465	48.7045831841465
629	74629	43538.8586770335	858397.3170250766	39.2226888521961	-100.6459483	357950.0117862204	4343842.762	2980.341928861307	2779.907301610663	2730.035985049054	2734.0210889656343	48.49340502669795	45.999941637079
630	74630	44198.8586770335	858397.3170250766	39.222659504702	-100.6434761	358151.03269539	4343838.77936387	2980.340395003283	2777.719673093577	2734.718717296209	2734.718717296209	43.00095577	42.8645338099654
631	74631	44858.8586770335	858397.3170250766	39.222636889436	-100.6411471	358352.0369129657	4343834.797	2980.33097052492	2776.073482884436	2736.41851329641	2735.956873559412	40.16549664799422	40.16549664799422
632	74632	45518.8586770335	858397.3170250766	39.222597745206	-100.6388181	358553.070586699	4343830.815040619	2980.388214687393	2774.1405196	2737.521792154796	2737.521792154796	36.92164271260528	37.2543642426988
633	74633	46178.8586770335	858397.3170250766	39.222569614503	-100.6364891	358754.0960750572	4343826.83191498	2980.352673818024	2772.831603	2737.5043013052675	2737.250008180357	35.2118620423353	35.581959914843
634	74634	46838.8586770335	858397.3170250766	39.222543449735	-100.6341001	358955.118927428	4343822.85143859	2980.34587316213	2771.2013621549874	2735.88230506118	2736.3737670381	35.191305906395	34.902184466037
635	74635	47498.8586770335	858397.3170250766	39.2225173040936	-100.631718	359156.229693936	4343818.63083838	2980.33097052492	2770.33097052492	2734.718717296209	2734.718717296209	34.902184466037	34.902184466037
636	74636	48158.8586770335	858397.3170250766	39.2224701	-100.629201	359357.1582219152	4343814.8885604	2980.32457830579	2768.058934	2734.772320500862	2734.566572703845	40.06806730216085	43.492371657404174
637	74637	48818.8586770335	858397.3170250766	39.2224374022685	-100.6271732	359558.178664934	4343810.9073927095	2982.522342979656	2766.488093546483	2732.303654237055	2732.303654237055	42.84386122342736	41.7801701596612
638	74638	49478.8586770335	858397.3170250766	39.22240354163736	-100.62								

ix	iy	x	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
719	17119	102938.85867307335	858397.3170250766	39.231813999988706	-100.4361967	736041.4115127467	4343485.066453216	237.3610470314566	2648.314556701466	2596.4994076114467	2596.319664089898	51.8127379586993	51.9922814082881
720	17120	103598.85867307335	858397.3170250766	39.23181259	-100.4338678	736242.41372308715	4343481.10270682	247.8780065	2647.100334900363	2593.94946233479	2593.7047725940483	51.150866242636949	53.3956242636948
721	17121	104258.85867307335	858397.3170250766	39.23181625967306	-100.4338488	736443.4311258941	4343477.134269181	2748.39068413154	2545.89153689191	2592.748496302943	2592.6811639444874	53.18124836984176	53.18124836984176
722	17122	104720.85867307335	858397.3170250766	39.23179834795679	-100.4292098	736644.44073340343	4343473.164846116	2742.91811059947	2644.66679587849	2590.564079114016	2590.5270478180477	52.1027047383236	52.062095473108
723	17123	105578.85867307335	858397.3170250766	39.2317914707485	-100.4268809	736845.45023763133	4343469.2024061	2741.0382874655714	2643.443353516707	2592.954613	2593.861124051399	50.4884703	50.92729265473182
724	17124	106278.85867307335	858397.3170250766	39.231783655027305	-100.4245519	737046.4562259814	4343456.23242461	2738.7596748555646	2642.214536357647	2593.8201461467016	2593.899326503924	48.34841681464084	48.3186112770092
725	17125	106898.85867307335	858397.3170250766	39.23176693135414	-100.4222229	737247.468894864	4343452.20660362	2738.48105095452	2640.979880837245	2594.631151403046	2594.631151403046	45.388657426949	45.9212366447587
726	17126	107425.85867307335	858397.3170250766	39.23176938251541	-100.419884	737448.4784934391	4343457.370690364	2737.20427058527	2639.739690363008	2595.62803714391	2596.156630373128	44.07680432	43.582972366447587
727	17127	108218.85867307335	858397.3170250766	39.23176206891065	-100.4175681	737649.487469872294	4343453.125963843	2736.854115296843	2638.4974115296843	2596.4974115296843	2596.4974115296843	41.7510241503215684	41.7510241503215684
728	17128	108788.85867307335	858397.3170250766	39.2317426891145	-100.4152631	737850.49593851625	4343447.37295709	2737.3816895406	2637.2542305145	2598.00899270926	2597.801477796402	39.245539	39.452785248755645
729	17129	109538.85867307335	858397.3170250766	39.231741760865705	-100.4129071	738051.50478003616	4343445.41734362	2737.9332043496334	2636.01093552887	2598.74320463816	2598.510727271387	37.2677308901271	37.49972083
730	17130	110188.85867307335	858397.3170250766	39.23173969730473	-100.4105781	738252.5134594758	4343441.488351015	2738.481240045321	2634.765021128556	2598.5051736631754	2598.5269014623577	36.25894765419625	36.23811968627325
731	17131	110858.85867307335	858397.3170250766	39.231732163538204	-100.4082492	738453.5220240335	4343441.48415914	2737.06876628025	2633.518935130596	2596.7803357387943	2596.7803357387943	36.47548208	36.47548208
732	17132	111578.85867307335	858397.3170250766	39.23172458478618	-100.4059212	738654.5304679453	4343433.52130795	2733.6987489797745	2632.27032581518	2592.672141505551	2592.672141505551	35.958183975615	35.958183975615
733	17133	112178.85867307335	858397.3170250766	39.231716961048967	-100.4039913	738855.53979738265	4343429.56629879	2732.70781956724	2630.0120427370458	2596.067041423086	2596.35288891106	34.557437306962	34.557437306962
734	17134	112838.85867307335	858397.3170250766	39.23170920225675	-100.4012623	739056.54701065639	4343425.5926287	2728.95189370774	2629.341122792835	257.93056666391	257.93056666391	31.812561280228	31.812561280228
735	17135	113498.85867307335	858397.3170250766	39.23170517861722	-100.3989333	739257.5551076914	4343421.69214761	2725.751415356146	2628.4635650979476	2569.3413236919023	2569.3413236919023	29.6221406054055	29.6221406054055
736	17136	114158.85867307335	858397.3170250766	39.23169381992329	-100.3966044	739458.5630897026	4343417.666	2727.171159502195	2627.173833173785	2562.207262304697	2562.207262304697	24.9999068	24.9999068
737	17137	114818.85867307335	858397.3170250766	39.23168601624393	-100.3942754	739659.570954064	4343417.702725904	2726.871765688487	2625.872601768955	2556.679467217313	2556.679467217313	21.746550813617	21.746550813617
738	17138	115478.85867307335	858397.3170250766	39.23167816757915	-100.3919465	739860.5780479743	4343409.73978503	2726.61349850225	2624.512618505225	2550.590027899143	2550.590027899143	19.37122463	19.37122463
739	17139	116138.85867307335	858397.3170250766	39.23166273023895	-100.3896175	740061.586339581	4343405.777777777	2727.481344717793	2623.34347824701	2549.1547955702741	2549.1547955702741	17.383295965103	17.383295965103
740	17140	116798.85867307335	858397.3170250766	39.23165623529399	-100.3872896	740268.595895876	4343401.814431199	2724.2204656977	2621.307032715343	2547.85004174209	2548.927438115021	16.0666265842612	17.9795652
741	17141	117458.85867307335	858397.3170250766	39.23164911413	-100.3849144	740472.6339697224	4343395.14575218	2724.0330695827	2619.41330695827	2546.4330695827	2546.4330695827	15.06881436189746	15.06881436189746
742	17142	118201.85867307335	859057.3170250766	39.2270998995589	-102.105063	731826.2037813523	4345577.017	4048.38735935311	3828.49899212008	3714.30355677158	3714.480409090067	86.69653024	87.0098401219412
743	17143	1189621.1413	859057.3170250766	39.22712491460113	-102.1037077	732079.3511396386	434557.7181889804	4045.234876206856	3826.594702255113	3739.56816418122	3739.56816418122	86.69653024	87.0098401219412
744	17144	1196861.1413	859057.3170250766	39.22715006421865	-102.1013791	732280.4986018135	434556.821	4042.74460506976	3825.40767454506	3737.473980445505	3736.637187785514	87.9283084105535	88.704869594734
745	17145	120438.1413	859057.3170250766	39.2271750289484	-102.0990505	732481.645680754	434556.647369181	4040.25325301267	3823.364781864127	3735.364781864127	3735.364781864127	85.8628324	85.8628324
746	17146	121178.85867307335	859057.3170250766	39.2272002865963	-102.0967219	732682.7925	434556.626783264	4037.762413415574	3822.741168967923	3733.199223649235	3732.042960041257	80.07498054755752	80.07498054755752
747	17147	121968.85867307335	859057.3170250766	39.22723027240825	-102.0948323	732883.83912978205	434556.529739237	4034.9585629739237	3820.9182115296843	3730.96779858071	3729.8191100617296	79.91033371792751	79.91033371792751
748	17148	122758.85867307335	859057.3170250766	39.2272501315876	-102.0920426	733085.058108138	434556.4203614	4032.74203659478	3819.082761370647	3728.045925460374	3728.045925460374	77.91033371792751	77.91033371792751
749	17149	123548.85867307335	859057.3170250766	39.22727525794624	-102.089736	733286.235	434556.3431196	4028.558703054196	3817.464405103924	3727.119701628217	3726.10651266488	76.43470347570685	76.43470347570685
750	17150	124338.85867307335	859057.3170250766	39.22730571575882	-102.0874074	733487.37370611506	434554.4399047	4025.37537035477	3815.80474860167	3725.424284738325	3724.425841686687	74.4038473691171	74.4038473691171
751	17151	125128.85867307335	859057.3170250766	39.227325012596765	-102.0850788	733688.52283712482	434554.13482827	4023.36215626111	3814.180629360263	3724.010195034664	3722.899131901875	70.170433255975	70.170433255975
752	17152	125918.85867307335	859057.3170250766	39.22734982245975	-102.0827502	733889.6681	434553.408	4021.31215628111	3812.51426483172	3722.61990816928	3722.61990816928	68.94545669238	68.94545669238
753	17153	126708.85867307335	859057.3170250766	39.227374587374777	-102.0804218	734090.8131067228	434553.351681842	4021.4426281	3810.8318242039847	3720.98896574525	3720.264915748254	66.9622765455963	66.9622765455963
754	17154	127498.85867307335	859057.3170250766	39.22739927240825	-102.0780929	734291.957457222	434553.271859963	4020.511285132964	3809.132181738262	3719.6782779858071	3719.6782779858071	64.97829122167867	64.97829122167867
755	17155	128288.85867307335	859057.3170250766	39.22742398219883	-102.0756823	734493.10232113046	434553.76	4018.21542361651	3807.41542361651	3718.09659129676	3718.09659129676	62.915249	62.915249
756	17156	129078.85867307335	859057.3170250766	39.22744861216179	-102.0734357	734694.2465310515	434553.61900594	4016.55734733399	3805.683219889073	3716.644272309646	3716.644272309646	60.93498196272	60.93498196272
757	17157	129868.85867307335	859057.3170250766	39.22747319714962	-102.071107	734895.3904819874	434553.57005939	4014.50032509146	3803.35600883573	3714.967594912377	3714.967594912377	58.9801197	58.9801197
758	17158	130658.85867307335	859057.3170250766	39.22749773176226	-102.0687784	735096.534	434551.47505463	4012.245275828937	3802.16553	3713.2681892460378	3713.2681892460378	56.8873795325442	56.8873795325442
759	17159	131448.85867307335	859057.3170250766	39.2275223219973	-102.0664498	735297.6775909381	434550.92805631	4010.9996650467	3800.37192463855	3711.701194716144	3711.701194716144	54.8873795325442	54.8873795325442
760	17160	132238.85867307335	859057.3170250766	39.2275468221924	-102.064211	735498.82957146073	434550.7620452	4009.01234941185	3798.544242303026	3710.358726586867	3710.358726586867	52.8142845364142	52.8142845364142
761	17161	133028.85867307335	859057.3170250766	39.227571460324	-102.0619439	735699.973453813	434550.62914538	4007.01234941185	3796.544242303026	3708.544242303026	3708.544242303026	50.799184138413	50.799184138413
762	17162	133818.85867307335	859057.3170250766	39.22759547460324	-102.0594639	735901.1062628593	434550.0709367	4005.01234941185	3794.544242303026	3706.544242303026	3706.544242303026	48.7225918545115	48.7225918545115
763	17163	134608.85867307335	859057.3170250766	39.22761976259647	-102.0571352	736192.2485698642	434549.03	4003.062621550814	3792.56581199209	3706.857126097014	3707.952141655722	46.690868598051	46.690868598051

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	Soi7a1HLogKgr.ft	Soi7a1HBothKgr.ft
105	107	74845	-302301.1413	859057.3170250766	39.229460548282596	-101.8661818	252995.0516731470	3436155.429760826	3826.7904413602005	3526.62268068769264	3575.920762431253	3600.5712727060613	50.70118624801077	25.8654632302453
106	108	74846	-301641.1413	859057.3170250766	39.229481130030842	-101.863863	252796.176067538	3436155.436173011	3827.1157951767675	3574.218574773453	3571.525698	3599.9037810267373	52.69006034752274	24.314793746715623
107	109	74847	-300921.1413	859057.3170250766	39.229501687553631	-101.861243	252897.294128332	3436157.7619832	3828.5045148183045	3573.944091292054	3567.2891458442	3589.54433947857918	54.43339487457918	22.9695421278944296
108	110	74848	-300321.1413	859057.3170250766	39.22952115942318	-101.8591955	253198.144823001	3436143.689	3824.95659319611	3571.461517407474	3562.8817254123346	3594.5159590076473	56.0006003571274	24.193014682820044
109	111	74849	-299661.1413	859057.3170250766	39.22954261	-101.8568667	253399.53559646872	3436136.13372405	3823.068682453814	3571.0906710016948	3558.311297876225	3589.419173313532	58.779373114072314	27.671313164865154
110	112	74850	-299001.1413	859057.3170250766	39.22956300862176	-101.854538	253600.556965416	343613.53440456	3821.8607658682424	3571.656880436334	3553.9473564231353	3586.1412682910336	60.18132160499066	26.8241975259071
111	113	74851	-298341.1413	859057.3170250766	39.22958336575237	-101.8522092	253801.7769927251	3436131.47598963	3819.3191251174663	3570.479575992224	3549.076943112894	3585.765178913585	63.402832879330326	26.714512700860967
112	114	74852	-297681.1413	859057.3170250766	39.2296037790384	-101.8498905	254002.8959752238	3436127.372849965	3815.7835781134764	3570.4279857027316	3543.919138772726	3587.123081881977	66.3239073450561	23.11972513033932
113	115	74853	-297021.1413	859057.3170250766	39.22962394507613	-101.8478517	254204.0165140247	3436123.008619774	3812.2426381064852	3568.9545159949687	3539.28938101856	3575.218372607691	68.76457789916287	22.765483383127724
114	116	74854	-296361.1413	859057.3170250766	39.22964416725914	-101.8452229	254405.1350598653	3436119.223851577	3810.713024025804	3565.954732475382	3531.958647019194	3576.15872010971	73.8960571	49.37648104569589
115	117	74855	-295701.1413	859057.3170250766	39.2296643448291	-101.8428491	254606.25416656438	3436115.148695304	3804.7699198322316	3562.3038365216	3524.630038752347	3578.987927982413	79.2918999002607	64.9340318434772
116	118	74856	-295041.1413	859057.3170250766	39.22968447671738	-101.8405654	254807.37307274768	3436110.07008749	3800.419784476186	3561.972748188595	3516.084413860476	3518.956630604837	85.888435838329	50.01621574402235
117	119	74857	-294381.1413	859057.3170250766	39.2297045638245	-101.8382366	255008.4918396504	3436106.93497465	3796.086237	3600.1136691768347	3506.488698856485	3500.055117134242	93.62559929128975	10.82148580339249
118	120	74858	-293721.1413	859057.3170250766	39.229724606258145	-101.8359078	255209.6102643052	3436102.917098812	3791.71396939375	3596.748619269185	3500.510942257311	3490.89747962736	97.83707703347409	17.45027130644894
119	121	74859	-293061.1413	859057.3170250766	39.229744603554418	-101.8335791	255410.72844675993	3436098.540889353	3786.16738594164	3596.6748932502	3498.2227711864887	3501.1897237472417	98.4539720481327	95.487025885266
120	122	74860	-292401.1413	859057.3170250766	39.22976455587172	-101.8312503	255611.84638716484	3436094.764852479	3785.401029106472	3595.0802248727781	3496.201443438928	3516.54028763609	99.8967814339349	78.5480369017243
121	123	74861	-291741.1413	859057.3170250766	39.22978463820853	-101.8289215	255812.9640573941	3436090.69007086	3782.630984271304	3593.08893410958	3494.1192215666956	3530.765012566259	99.8967814339349	62.84380844690915
122	124	74862	-291081.1413	859057.3170250766	39.229804532566285	-101.8265927	256014.0815425768	3436086.13436693	3779.877164436135	3592.203941240318	3492.132289375988	3543.63285730027	100.07165186432985	48.57106351029092
123	125	74863	-290421.1413	859057.3170250766	39.22982414	-101.8242639	256215.19875818255	3436082.537871809	3778.190784476186	3590.877834291023	3490.981077850059	3551.455407451677	99.8967814339349	39.4224268336437
124	126	74864	-289761.1413	859057.3170250766	39.22984391534306	-101.8219352	256416.3157	3436078.46281907	3775.96720462127	3589.624681612693	3489.7710040452927	3554.227203858174	98.85254211597658	35.39744432545194
125	127	74865	-289101.1413	859057.3170250766	39.2298634276199	-101.8199064	256617.43246573984	3436074.387	3776.96385899673	3588.431912870176	3488.4478566031454	3553.831313903892	99.8960956286319	33.6197738312564
126	128	74866	-288441.1413	859057.3170250766	39.22988335201214	-101.817276	256818.54895819696	3436070.312557536	3775.96015712823	3587.51205332311	3488.4581016081129	3554.087123230374	98.92903727448941	32.2273401086756
127	129	74867	-287781.1413	859057.3170250766	39.22990326860724	-101.8145717	257019.65140247	3436064.783337039	3774.921981482658	3587.51205332311	3488.4581016081129	3554.087123230374	98.92903727448941	32.2273401086756
128	130	74868	-287121.1413	859057.3170250766	39.22992355154048	-101.81262	257220.7811249693	3436062.1337273545	3774.55202631618696	3585.2152447028075	3485.263575802519	3548.30284890178619	95.166689	36.91293580091178
129	131	74869	-286461.1413	859057.3170250766	39.22994210264043	-101.8102912	257421.8989927497	3436058.08899541	3773.52283261499	3584.23144588984	3482.930830458853	3537.378020789619	101.30066154309661	46.8534387
130	132	74870	-285801.1413	859057.3170250766	39.22996160516054	-101.8079624	257623.0125400904	3436054.017430444	3772.4293612	3583.2823902404697	3480.907601133803	3525.020168882042	102.3733009108938	58.26222416265474
131	133	74871	-285141.1413	859057.3170250766	39.22998102700776	-101.8056337	257824.1278154839	3436050.497369454	3771.2415552693083	3582.3606745269162	3478.7590605943296	3513.045626	103.60161383258569	69.1241484749727
132	134	74872	-284481.1413	859057.3170250766	39.23000047526111	-101.803349	258025.2426673776	3436045.9696275728	3769.766280287845	3581.48457097693784	3476.989112250777	3510.5082738382365	104.4727384100088	77.9540318
133	135	74873	-283821.1413	859057.3170250766	39.23001985428148	-101.801032	258226.3576789765	3436041.783337039	3768.2917681482658	3580.943817697705	3476.989112250777	3510.5082738382365	104.4727384100088	77.9540318
134	136	74874	-283161.1413	859057.3170250766	39.23003916541848	-101.7987477	258427.472324097	3436037.7198657077	3767.68770161884	3579.68270161884	3475.025095572387	3487.47408220293	107.6310258815333	92.2118619
135	137	74875	-282501.1413	859057.3170250766	39.2300584306226	-101.7963185	258628.5868762267	3436033.646611458	3765.5928646717002	3578.9016507659486	3469.716763377089	3483.46725	109.084873885944	95.3340396
136	138	74876	-281841.1413	859057.3170250766	39.23007767570259	-101.7939897	258829.7006832423	3436029.5735429125	3777.910549098842	3468.24393357892	3461.966554528906	3466.6555510478	95.3340396	95.3340396
137	139	74877	-281181.1413	859057.3170250766	39.23009686336279	-101.7916909	259030.8145040377	3436025.406654295	3763.6460551286015	3577.00791486505	3467.8836032022623	3480.70268875873	109.1243759881323	96.301703906327
138	140	74878	-280521.1413	859057.3170250766	39.23011600604292	-101.7893321	259231.0281590214	3436021.475691013	3762.6734735498741	3576.0824961731897	3467.0824349489744	3478.69770619371	109.00829188215	97.39155751781891
139	141	74879	-279861.1413	859057.3170250766	39.2301351074284	-101.7870303	259433.01453999116	3436017.355447633	3760.7774697693784	3575.149961050178	3466.335021886662	3472.00210367422	108.4839156451583	92.9478653775566
140	142	74880	-279201.1413	859057.3170250766	39.230154156462575	-101.784745	259634.154822202	3436013.283119323	3759.9510502286	3574.185839194587	3464.584530871759	3468.62247730029	107.6310258815333	92.9478653775566
141	143	74881	-278541.1413	859057.3170250766	39.2301731642005	-101.782457	259835.26758117144	3436009.01976038	3758.1040565203916	3573.19038510938	3467.260171512478	3472.00210367422	108.4839156451583	92.9478653775566
142	144	74882	-277881.1413	859057.3170250766	39.23019212696127	-101.7800169	260036.38025448192	3436005.139017788	3752.322095437187	3572.168193932717	3468.619557014598	3495.57954110221	109.084873885944	95.3340396
143	145	74883	-277221.1413	859057.3170250766	39.23021104474016	-101.7776881	260237.49268451925	3436001.274455959	3749.76996963256	3571.2824601395341	3471.2772497039373	3512.864603185541	93.583203169	58.244676859962055
144	146	74884	-276561.1413	859057.3170250766	39.23022991753872	-101.7753593	260438.6047744334	3435996.95656351	3747.484468761804	3570.013621806753	3470.9430172234094	3527.10213241739	95.5786045334335	42.91148947
145	147	74885	-275901.1413	859057.3170250766	39.230248745356924	-101.7730305	260639.71876345165	3435992.432015315	3745.1989775995607	3568.878626802504	3467.223645767954	3504.156813681703	95.6562261568075	27.9371101205474
146	148	74886	-275241.1413	859057.3170250766	39.230267528194895	-101.7707014	260840.82565527499	3435987.033043691	3742.9134884177125	3567.102218603187	3464.33025766354	3504.156813681703	95.6562261568075	27.9371101205474
147	149	74887	-274581.1413	859057.3170250766	39.2302863069128626	-101.768392	261048.915846968	3435982.917681761	3740.02369634498	3565.2086354398	3462.260171512478	3472.00210367422	108.4839156451583	92.9478653775566
148	150	74888	-273921.1413	859057.3170250766	39.230305459828826	-101.766044	261243.0151820403	3435980.71153533	3738.1040565203916	3573.19038510938	3467.260171512478	3472.00210367422	108.4839156451583	92.9

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WdL.	BRLEvLogKg.ft	BRLEvBothKg.ft	SatThkLog.s	SatThkBoth.ft
231	7471	-219141.1413	859057.3170250766	39.231699966241863	-101.5727489	27934.8414636915	4345643.474914489	3605.0186877463093	3427.1138356720276	3444.2777167204677	3459.5832540922085	0	0
232	7472	-218481.1413	859057.3170250766	39.23171458	-101.57042	2781.35755933541	4345639.415979763	3602.4953897942766	3425.5855965965144	3444.25456431259903	3459.03034303828	0	0
233	7473	-217821.1413	859057.3170250766	39.231740629134	-101.568081	2763.36565041597	4345636.34429408	3457.872068249337	3443.281053734255	3457.747283693187	3453.40120722854	0	0
234	7474	-217161.1413	859057.3170250766	39.2317476626387	-101.5657322	27583.7517962675	4345331.309436421	3597.4484791	3422.5175983509596	3424.450303191983	3456.91544130297	0	0
235	7475	-216501.1413	859057.3170250766	39.23175905011117	-101.5634333	2787.8486696981	4345627.250481797	3596.172231158841	3420.975538661893	3441.643760138406	3457.279665395627	0	0
236	7476	-215841.1413	859057.3170250766	39.2317737451619	-101.5611404	2789.3939253994	4345623.200804524	3593.142410648136	3419.430731992595	3440.721756682607	3457.156308909993	0	0
237	7477	-215181.1413	859057.3170250766	39.23178847405793	-101.5587755	27941.4103062785	4345619.146	3591.1125901734307	3417.884117900562	3439.5491073975995	3457.261298	0	0
238	7478	-214521.1413	859057.3170250766	39.23180311855632	-101.5564466	27932.127823322	4345515.0914403125	3589.08276962672	3416.335914190753	3438.498950465975	3455.05719846987	0	0
239	7479	-213861.1413	859057.3170250766	39.23181771807133	-101.5541176	27954.3122944252	4345511.337398753	3589.874932172831	3414.7653871592683	3437.265442527103	3453.40120722854	0	0
240	7480	-213201.1413	859057.3170250766	39.2318227250238	-101.5517787	27974.3027687254	4345606.983384919	3589.433077775746	3413.23070507637	3436.0079554203887	3455.051231918003	0	0
241	7481	-212541.1413	859057.3170250766	39.23184678215122	-101.5494598	27994.3933595823	4345602.93963201	3590.353233786546	3411.6702838903434	3433.972186020271	3446.490361883372	0	0
242	7482	-211881.1413	859057.3170250766	39.23186124671603	-101.5471309	28014.648286215	4345598.876371892	3591.26736898158	3410.103552041781	3432.696375331021	3444.006025422224	0	0
243	7483	-211221.1413	859057.3170250766	39.231875666297334	-101.544802	280347.375196418	4345594.823064881	3591.234559328106	3408.529205705763	3431.1736346082644	3441.1373915503727	0	0
244	7484	-210561.1413	859057.3170250766	39.23189004089516	-101.5424731	280548.6213645216	4345590.769942167	3590.254794411351	3406.94519886561	3429.5147776542667	3438.9064843098215	0	0
245	7485	-209901.1413	859057.3170250766	39.23190351051657	-101.5401442	280819.7515369194	4345586.717001721	3589.270254996893	3405.34950520308	3427.7086301643785	3439.95095288967	0	0
246	7486	-209241.1413	859057.3170250766	39.2319186514772	-101.537813	280950.84062102716	4345582.664071574	3588.296245824334	3404.711576112139	3425.9708932333554	3434.792505789925	0	0
247	7487	-208581.1413	859057.3170250766	39.23193289479449	-101.5354864	281151.92948024075	4345578.611677897	3588.575067529955	3402.719485013586	3423.4708456316075	3433.49382730566	0	0
248	7488	-207921.1413	859057.3170250766	39.23194709945806	-101.5331574	281353.0814166456	4345574.755929085	3584.114433275777	3400.482175476264	3419.0253444398095	3437.526606372366	0	0
249	7489	-207261.1413	859057.3170250766	39.23196123913758	-101.5308285	281554.106795031	4345570.507007924	3581.653809128603	3398.827803	3416.580828162322	3430.004514911283	0	0
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251	7491	-205941.1413	859057.3170250766	39.23198940354682	-101.5261707	281966.2828062475	4345562.403	3576.265108629137	3395.4851831905057	3411.2025010086118	3427.04398138282	0	0
252	7492	-205281.1413	859057.3170250766	39.23200343	-101.5238418	282157.3705975673	4345558.351592118	3573.878019263117	3393.745171027043	3410.5270870792874	3427.14532766131	0	0
253	7493	-204621.1413	859057.3170250766	39.23201738802638	-101.5215719	282364.43801781165	4345554.3901741161	3572.9814614283394	3392.4524984642396	3409.431842026373	3426.341842026373	0	0
254	7494	-203961.1413	859057.3170250766	39.23203131272221	-101.5191838	282559.5453681401	4345550.248475265	3566.0813840531073	3390.2343154681807	3405.390214356881	3420.91470080026	0	0
255	7495	-203301.1413	859057.3170250766	39.232045192559795	-101.516855	282760.63268374547	4345542.8819751553	3562.8821975546007	3388.4370917416095	3403.7171039988615	3415.407319929676	0	0
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257	7497	-201981.1413	859057.3170250766	39.23207282	-101.5121972	283162.8063367792	4345543.096	3556.874869437787	3384.756445547198	3398.918374964419	3405.618911964914	0	0
258	7498	-201321.1413	859057.3170250766	39.23208661989554	-101.5098682	283363.892425844	4345534.05568882	3553.871205373388	3382.87625791177	3397.285768613337	3407.7470452117	0	0
259	7499	-200661.1413	859057.3170250766	39.23210061831729	-101.5075838	283584.976194352	4345529.89528929	3549.867404	3380.543795652516	3395.31840203674	3403.81840203674	0	0
260	7500	-200001.1413	859057.3170250766	39.2321191669975	-101.5052104	283776.05231737973	4345513.450340363	3545.31310337274	3379.00439430563	3393.560464613942	3400.920721500285	0	0
261	7501	-199341.1413	859057.3170250766	39.23212752656428	-101.5028815	283967.1510796154	4345521.895043745	3540.630973433304	3377.066197108595	3391.673309427679	3398.77612494957175	0	0
262	7502	-198681.1413	859057.3170250766	39.23214109	-101.5005525	284168.236725135	4345518.85237045	3535.897813460916	3375.076634022418	3389.947202506554	3396.77400232233	0	0
263	7503	-198021.1413	859057.3170250766	39.23215461136093	-101.4982236	284369.321726982	4345513.795614499	3531.704104093001	3373.0619591621416	3388.5008540073577	3396.86605893537	0	0
264	7504	-197361.1413	859057.3170250766	39.23216806628326	-101.4958497	284570.40700437384	4345509.7461769085	3528.022853042228	3371.024683330491	3386.521821999354	3392.877017936396	0	0
265	7505	-196701.1413	859057.3170250766	39.2321821581	-101.4935957	284771.49245174574	4345505.69821832	3524.3419865154488	3368.964300495064	3384.1632159984187	3390.4894592752103	0	0
266	7506	-196041.1413	859057.3170250766	39.23219495117596	-101.491268	284972.57197105	4345501.64785109	3520.60271888986	3366.98196715576	3386.34461895614	3391.441895614	0	0
267	7507	-195381.1413	859057.3170250766	39.23220824	-101.4889079	285176.8181039787	4345505.96856589	3518.79322018128	3364.785221545813	3384.5916249852494	3382.751734972707	0	0
268	7508	-194721.1413	859057.3170250766	39.23222153613176	-101.4865789	285374.746190086	4345493.55	3517.544169887504	3362.66563803136	3372.40697689507	3378.12859248084	0	0
269	7509	-194061.1413	859057.3170250766	39.23223678413356	-101.48425	285575.830382916	4345489.501745999	3516.693817590872	3360.534668589935	3367.2828816460956	3372.40694	0	0
270	7510	-193401.1413	859057.3170250766	39.232247991151205	-101.4819211	285776.9145312186	4345485.453421209	3515.845632944716	3358.391729	3361.747624	3367.0750282451804	0	0
271	7511	-192741.1413	859057.3170250766	39.23226115118466	-101.4799291	285977.9980610716	4345481.050262712	3514.6949525398726	3359.329756218867	3357.767384	3362.9649682582989	0	0
272	7512	-192081.1413	859057.3170250766	39.23227406631965	-101.477362	286178.0815905051	4345477.352791798	3512.9917763291196	3354.08148712322	3355.380854570543	3360.49598294842	0	0
273	7513	-191421.1413	859057.3170250766	39.23228631265978	-101.4749838	286381.763839716	4345473.39861573	3511.37018114597	3352.918968127806	3353.3594397825188	3359.3594397825188	0	0
274	7514	-190761.1413	859057.3170250766	39.232293236317954	-101.4726053	286591.2480342374	4345469.270018138	3509.77632901828	3349.73902781206	3352.74797369686	3359.1975211727854	0	0
275	7515	-190101.1413	859057.3170250766	39.23231334147593	-101.4702764	286782.33093744	4345462.51405904	3508.062727622346	3347.58729595543	3354.552235576749	3357.0431146983345	0	0
276	7516	-189441.1413	859057.3170250766	39.23232628	-101.4679474	286983.41363140254	4345461.167275845	3509.29290870616	3345.432579222207	3353.724689305635	3356.36288266885	0	0
277	7517	-188781.1413	859057.3170250766	39.23233916671514	-101.4656185	287184.4981151175	4345457.120236465	3508.523352929778	3343.2638815752975	3352.337014514016	3351.837481789892	0	0
278	7518	-188121.1413	859057.3170250766	39.232352011859085	-101.4632896	287385.48793919375	4345453.07369483	3508.753516983446	3341.1114407535924	3349.7156457780784	3347.6844790389246	0	0
279	7519	-187461.1413	859057.3170250766	39.232364912018034	-101.4609696	287586.566043369	4345450.02682352	3508.981362474447	3338.468088144185	3346.34461895614	3347.7246893854074	0	0
280	7520	-186801.1413	859057.3170250766	39.2323775719257	-101.4586317	287787.7423092455	4345444.90192458	3510.45863435025	3336.851701026735	3342.89847462919	3343.25895335975	0	0
281	7521	-186141.1413	859057.3170250766	39.23239077382656	-101.4563027	287988.82955638	4345440.93390159	3510.82965339919	3334.713591384314	3338.85883908867	3338.770070051897	0	4332812133244291
282	7522	-185481.1413	859057.3170250766	39.23240294258829	-101.4539738</								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatH.Kgr.f	SatHBoth.f
357	1027	75097	-135981.1413	859057.3170250766	29.32322462564568	-101.2793908	030720.4332722133	43451.33.952250837	3389.107265667161	3309.967972900137	3164.35.23738313825	3155.75.1013671786	45.515990875527	54.216983935919
358	1028	75098	-135231.1413	859057.3170250766	29.3232337196774	-101.2769718	030741.4994325296	43451.29.520081354	3387.53769552876	3306.65.32267202584	3162.24.247066646245	3162.24.71153864916	45.4105711410398	56.39611313403585
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ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.f	BREIEvLogKrg.f	SatHLogKrg.f	SatHBoth.f
482	75223	-52821.14133	895057.3170250766	39.234035392153785	-100.9858434	328603.3171639055	344627.341588987	3144.7205730549485	2960.998197894227	2860.3091870467365	2857.7427708	100.589010832662	103.15548985219266
484	75224	-51261.14133	895057.3170250766	39.23403897012218	-100.9835144	328804.36602702544	344623.3237427425	3142.560259171113	2960.88118326656	2860.805862752014	2844.1062284011777	99.46722605145446	116.15898992547818
485	75225	-51691.14133	895057.3170250766	39.2340425310286	-100.9846831	32905.40391287894	344619.323549231	3140.386992778274	2959.539148198276	2862.085649056537	2871.98112984266629	121.534917024318	91.15844931040234
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488	75228	-49821.14133	895057.3170250766	39.234052832119815	-100.9741982	329608.5328416454	344607.297839743	3136.86496263507	2957.767398743984	2863.5930495911105	2855.87256752047	94.17386992328784	110.8941732435127
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491	75231	-47541.14133	895057.3170250766	39.2340627564915	-100.967211	33021.66019171	344595.278788195	3140.987675907474	2955.328080770847	2867.659342473867	2863.245664957818	83.2014896131214	83.2014896131214
492	75232	-46891.14133	895057.3170250766	39.2340657431562	-100.964882	330412.702283344	344591.266123219	3141.95125	2954.9285384652225	2872.127793052476	2871.14171373474	71.2011441737474	71.2011441737474
493	75233	-46221.14133	895057.3170250766	39.234068917345945	-100.9625529	330613.744242814	344592.258569962	3142.113742782616	2954.745319174615	2887.574856921621	2881.8216230695733	67.17046225299373	72.9239145806117
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502	75242	-40281.14133	895057.3170250766	39.23409586067092	-100.9415915	332423.1145707752	344551.19992596	3134.2707948606224	2949.7127749308184	2877.98194	2878.719456322737	61.173957832	71.19357832
503	75243	-39621.14133	895057.3170250766	39.234098048374036	-100.9396264	332624.1548686957	344547.193942285	3131.54936494787	2949.145708164287	2873.624065148171	2875.62887623584	75.521699661155	73.8469319707026
504	75244	-38961.14133	895057.3170250766	39.2341010260947	-100.9369323	332825.195931943	344543.184874224	3130.276304901965	2948.5692725546784	2869.536275573625	2879.7318770599174	78.5306696984424	78.5306696984424
505	75245	-38301.14133	895057.3170250766	39.234113693349226	-100.934266	333029.7401397482	344487.131052981	3128.974301837884	2947.94052163327	2879.40592163327	2879.40592163327	61.148787369627	61.148787369627
506	75246	-37641.14133	895057.3170250766	39.234106355722	-100.9322752	333227.2748551035	344535.178	3127.1188520554	2947.39519834907	2863.76760904275	2863.5727326408568	83.633590134216	83.633590134216
507	75247	-36981.14133	895057.3170250766	39.23410884680591	-100.9299462	333428.314818886	344531.173163458	3126.258669581246	2946.79552405853	2862.119801388116	2861.9318214510886	84.653420446666	84.653420446666
508	75248	-36321.14133	895057.3170250766	39.2341135	-100.9276171	333629.35402015666	344527.16842312	3125.61349076444	2946.185371293617	2861.7962900533016	2861.9044904102	84.38908124031559	84.2806772451507
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510	75250	-35001.14133	895057.3170250766	39.2341162066406	-100.922959	334031.43235397687	344519.152949713	3124.91713326285	2944.937118398194	2865.06812911434	2865.2253654892775	79.87630544876043	79.87630544876043
511	75251	-34341.14133	895057.3170250766	39.2341192698145	-100.92068	334249.4716593877	344515.16300084	3124.9176376789163	2944.3016559254483	2867.2989137187166	2867.192786769627	76.78673	76.78673
512	75252	-33681.14133	895057.3170250766	39.23412088255106	-100.9183099	334433.51023085	344515.16300084	3124.9176376789163	2944.3016559254483	2869.039899024	2869.74445097945	74.0481524321307	74.0481524321307
513	75253	-33021.14133	895057.3170250766	39.2341231651801	-100.9159719	334634.549059898	344507.14761527	3121.2659708261214	2943.0044921748918	2871.837082315837	2871.937882048719	71.1678995805472	71.0696012617294
514	75254	-32361.14133	895057.3170250766	39.23412538919164	-100.9136428	334835.572648798	344503.143851001	3120.7161037	2942.343551029807	2874.044186947341	2874.05517873824	68.299364025674	68.299364025674
515	75255	-31701.14133	895057.3170250766	39.2341275236957	-100.9113138	335036.6259959005	344499.10351633	3119.4989722130076	2941.6728219392867	2876.242710218703	2876.274677001743	64.5430117205864	65.39543755193
516	75256	-31041.14133	895057.3170250766	39.23412971	-100.9098847	335237.662404556	344495.13706913	3118.43247525088	2940.992652046982	2877.649695978777	2877.649695978777	63.2654062492325	63.2654062492325
517	75257	-30381.14133	895057.3170250766	39.23413185050708	-100.906856	335438.70225233587	344491.13397033	3118.86597287154	2940.303961877883	2878.200687629317	2878.200687629317	62.1058275980709	62.1058275980709
518	75258	-29721.14133	895057.3170250766	39.23413398334926	-100.904266	335639.7401397482	344487.131052981	3118.974301837884	2940.303961877883	2879.40592163327	2879.40592163327	61.148787369627	61.148787369627
519	75259	-29061.14133	895057.3170250766	39.23413586757357	-100.9019785	335845.776696308	344483.1382175675	3118.353146990194	2938.99574975555	2878.5169291126003	2878.5169291126003	60.5634543713294	60.5634543713294
520	75260	-28401.14133	895057.3170250766	39.23413715205166	-100.8996685	336041.6154340029	344479.125394364	3118.02697261298	2938.181152047947	2878.124539291975	2877.95782313016	60.0562175971855	60.0562175971855
521	75261	-27741.14133	895057.3170250766	39.23413927862896	-100.8973394	336242.8528412561	344475.126393264	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
522	75262	-27081.14133	895057.3170250766	39.2341416	-100.8950514	336443.8900886355	344471.121204266	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
523	75263	-26421.14133	895057.3170250766	39.2341432051323	-100.8928813	336644.9271770306	344467.11973565	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
524	75264	-25761.14133	895057.3170250766	39.23414519897365	-100.8903523	336845.9641059621	344463.117	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
525	75265	-25101.14133	895057.3170250766	39.234147192698145	-100.8878643	337048.07486904	344459.11269904	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
526	75266	-24441.14133	895057.3170250766	39.2341492698145	-100.8854041	337248.07486904	344455.11269904	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
527	75267	-23781.14133	895057.3170250766	39.23415026442832	-100.8833651	337449.073933357	344451.11269904	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	60.0562175971855	60.0562175971855
528	75268	-23121.14133	895057.3170250766	39.23415186293715	-100.881036	337650.112334345	344447.1189383	3118.02697261298	2938.181152047947	2877.95782313016	2877.95782313016	6	

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKsg.f	BRElevBothK.f	SatHtK.f	SatHtBoth.f
600	75349	33308.8586773035	895057.3170250766	39.23413193758487	-100.6923824	359393.5249664279	43441.2362872404	2707.100443166471	2717.508097	2757.9425031786877	2758.1189095056183	59.5655942199233	59.39006404299176
610	75350	33098.8586773035	895057.3170250766	39.23412998	-100.6900353	35434.5666536517	43441.1964674911	2976.204034133635	2815.453639276875	2763.68021241506	2765.603127855282	59.767167481614	59.8489247865644
611	75351	33168.8586773035	895057.3170250766	39.23412771161157	-100.6877243	35435.5908476425	43441.554568758	2974.515694018536	2754.778732325916	2754.301416702364	2756.754147620284	59.10686768776314	59.10686768776314
612	75352	33218.8586773035	895057.3170250766	39.23412553114329	-100.6853952	35453.616427468	43441.1166823937	2972.03546098124	2751.379200690815	2754.554813865161	2756.1810620447136	57.7492542861434	57.7492542861434
613	75353	33278.8586773035	895057.3170250766	39.2341233056487255	-100.6830661	35473.87381198057	43441.07683174037	2968.555173660108	2809.34824058889	2755.661783655877	2753.754516430972	53.68855643	55.7382656491689
614	75354	33268.8586773035	895057.3170250766	39.2341210324349	-100.6807371	35458.3615502755	43441.0376928523	2967.33259147538	2757.3455673755957	2754.0940911943	2753.6899971714249	53.2412572204504	53.2412572204504
615	75355	33248.8586773035	895057.3170250766	39.23411871981195	-100.678408	35459.316848517014	43440.99712407372	2965.400428297696	2805.3420296796	2760.2032206186273	2755.602047111604	45.1303636956686	49.73223718609188
616	75356	34958.8586773035	895057.3170250766	39.2341163593269	-100.676079	355340.7080958487	43440.96172729787	2944.5313765125828	2803.34592816084	2762.563697615173	2756.362077482304	40.73223733873035	46.98362733873035
617	75357	35618.8586773035	895057.3170250766	39.23411411396	-100.673749	355541.731	43440.9172369491	2966.55985184596	2801.376063980634	2769.9020311	2755.39088841736	38.46892626343346	45.889714656289645
618	75358	35728.8586773035	895057.3170250766	39.2341115309095	-100.6714209	355742.73897078	43440.87575224472	2962.797911842454	2799.409545121736	2759.90574069347	2752.802452	34.1890845263649	46.6052022896532
619	75359	36938.8586773035	895057.3170250766	39.23411090820847	-100.6690818	355943.77663235844	43440.7837056721	2961.527499720984	2754.08142627384	2750.390397147094	2753.20217647333	47.1609530625744	47.1609530625744
620	75360	37598.8586773035	895057.3170250766	39.23410647638316	-100.6667628	356144.7290286001	43440.79786272397	2959.8502978181474	2759.5289909138575	2748.186593834355	2747.203175790797	47.3422973034363	48.055818759375
621	75361	38258.8586773035	895057.3170250766	39.2341038248042	-100.6644337	356345.8217	43440.754840690015	2958.180455591645	2793.6098738558974	2745.158334990446	2745.408727027798	47.4543359550086	48.0411769307946
622	75362	38918.8586773035	895057.3170250766	39.234101252134806	-100.6621407	356564.8440014254	43440.7182	2956.507004413026	2791.7044850538165	2742.9454552484126	2747.48924625306	48.7543938093356	48.21299842840606
623	75363	39578.8586773035	895057.3170250766	39.23409856901488	-100.6597756	356747.8661797326	43440.6736806254	2954.821624477395	2799.8003898855757	2740.638817	2741.595212651006	48.2051775076693	48.2051775076693
624	75364	40238.8586773035	895057.3170250766	39.23409584649045	-100.657446	356949.8882191616	43440.63524645	2953.1199172703075	2790.0205444171	2737.923620338246	2738.876568323846	49.985260681279	49.985260681279
625	75365	40898.8586773035	895057.3170250766	39.23409309117177	-100.6551175	357149.910203494	43440.59848415	2951.4196730115154	2786.027115793783	2736.273405048254	2734.1486671754606	50.757972891529	49.878446618772
626	75366	41558.8586773035	895057.3170250766	39.2340900287364	-100.6527884	357350.931882556	43440.5698171133	2948.712943671841	2784.156991676248	2732.525647941141	2733.210473510684	50.94651541331064	50.94651541331064
627	75367	42218.8586773035	895057.3170250766	39.23408742559128	-100.6504594	357551.9530660303	43440.5190355411	2947.557015832772	2782.299177486813	2730.2927261815657	2729.76619882492	50.9064513024708	51.53227504321024
628	75368	42878.8586773035	895057.3170250766	39.23408453	-100.6481303	357752.97493936273	43440.4712012608	2946.45224543291	2780.454224543291	2729.663741	2729.76619882492	50.9064513024708	50.9064513024708
629	75369	43538.8586773035	895057.3170250766	39.2340815800068	-100.6458013	357953.9963240578	43440.433736713	2942.78755240294	2778.731938302254	2731.939905211556	2731.798843809629	46.7335009069179	46.7335009069179
630	75370	44198.8586773035	895057.3170250766	39.2340785981145	-100.6434722	358155.0176531467	43440.395479238	2938.682152215252	2777.06809168487	2735.92756570612	2735.739517587443	41.124859247611	41.29285768137275
631	75371	44858.8586773035	895057.3170250766	39.234075649642727	-100.6410955	358359.2622930854	43440.35171798420	2937.944844286745	2775.914844286745	2733.9305850634	2733.4402021254195	34.7047861819095	34.7047861819095
632	75372	45518.8586773035	895057.3170250766	39.23407274542214	-100.6388141	358557.059639074	43440.3190191618	2934.624732	2773.822217855127	2734.080515465893	2742.602197739396	30.1624363044053	31.20202051188237
633	75373	46178.8586773035	895057.3170250766	39.23406934914411	-100.6364851	358758.0806438183	43440.2806196173	2932.7227297585	2772.18595615456	2745.040979400911	2744.885971024016	27.1772657564492	27.2325831343976
634	75374	46838.8586773035	895057.3170250766	39.23406617894364	-100.634156	358959.1011265591	43440.2462314887	2929.629728	2770.626583381026	2744.812891	2744.602443830208	25.81392973818263	25.81392973818263
635	75375	47498.8586773035	895057.3170250766	39.23406368769094	-100.631827	359160.12165312655	43440.2040631387	2927.284058951287	2769.04548769564	2741.611894631964	2741.66884104208	23.435561133379953	23.435561133379953
636	75376	48158.8586773035	895057.3170250766	39.23405970358792	-100.6294789	359361.1420339054	43440.163162876	2925.1215734527	2767.4740807335957	2738.1215031996603	2735.833372764943	31.352573339942	31.6407079681698
637	75377	48818.8586773035	895057.3170250766	39.23405689647277	-100.6271638	359562.1622973521	43440.1281858487	2922.948319819315	2765.91478216425	2737.572246216425	2731.207682681778	34.4030221254195	34.4030221254195
638	75378	49478.8586773035	895057.3170250766	39.234053807595819	-100.624838	359763.182147307	43440.087175218	2920.7176252405	2763.7176252405	2735.9071925405	2734.6039145011293	35.29039145011293	35.29039145011293
639	75379	50138.8586773035	895057.3170250766	39.23404965314098	-100.6225108	359964.2023983744	43440.0411939038	2918.746801	2762.815080933785	2727.899441433823	2726.7250093937267	35.935630536023	36.089900010118
640	75380	50798.8586773035	895057.3170250766	39.23404621113956	-100.6201871	360165.2222454884	43440.0013901938	2916.861191543671	2761.27482030863	2725.8853775152734	2724.4774070367129	35.9304878586957	36.80103405894916
641	75381	51458.8586773035	895057.3170250766	39.23404272980495	-100.6187522	360366.24591972979	434399.96158	2914.9770625479814	2761.87486111343	2723.88451438572	2722.92347488932	35.8642322541225	36.8247717218143
642	75382	52118.8586773035	895057.3170250766	39.2340392	-100.6155236	360567.2615340313	434399.871605291	2913.092183372982	2758.25204326322	2721.7078899243733	2721.7664401584	35.642333794854	36.4889486073767
643	75383	52778.8586773035	895057.3170250766	39.23403562	-100.6131946	360768.2805958227	434399.818	2911.371097450223	2756.708616887287	2719.913949550134	2720.8576923731	35.78677213565924	35.8468985498375
644	75384	53438.8586773035	895057.3170250766	39.23403203546819	-100.610865	360969.329030854	434398.2117798420	2909.81154576773	2755.1910588207	2718.371625051163	2719.6296210055	35.620221282825	35.620221282825
645	75385	54098.8586773035	895057.3170250766	39.234028359819	-100.6083685	361170.314555816	434397.237942444	2908.25614482333	2753.880474	2716.655183918056	2715.5039234734267	35.80103405894916	35.80103405894916
646	75386	54758.8586773035	895057.3170250766	39.23402462753917	-100.6062074	361371.33844922	434397.25826781	2906.69023796374	2752.171348144229	2714.185779169449	2713.38951582827	37.956569478011	37.956569478011
647	75387	55418.8586773035	895057.3170250766	39.234021750261	-100.6038784	361572.3574392131	434397.27773934	2904.663977356778	2750.636977491544	2713.150276769154	2711.82136731851	37.515427169549	38.8405587730318
648	75388	56078.8586773035	895057.3170250766	39.2340170747847	-100.6015493	361773.31692805	434396.299	2902.289013790363	2749.15748232644	2712.6575512280574	2712.6575512280574	36.49987704055676	37.8258714323087
649	75389	56738.8586773035	895057.3170250766	39.23401323	-100.5992203	361974.394862837	434396.320329593	2900.810231612946	2747.6576131109164	2712.495834326326	2711.021480742626	35.1677788308564	35.1677788308564
650	75390	57398.8586773035	895057.3170250766	39.23400934	-100.5968211	362174.413309727	434396.34137878	2900.973556355533	2746.165188483433	2712.3770849569502	2711.00734	33.788238525071	35.1574848
651	75391	58058.8586773035	895057.3170250766	39.23400568	-100.5943874	362375.469792561	434396.3108973394	2900.171081796939	2745.171840473813	2711.3399732394	2710.774744363976	32.10477744363976	32.10477744363976
652	75392	58718.8586773035	895057.3170250766	39.23400122050566	-100.5923121	362577.4499171828	434396.28430111	2898.36394314536	2744.18118096358	2710.92727300805	2710.773937472807	33.788238525071	35.1574848
653	75393	59378.8586773035	895057.3170250766	39.23399739754478	-100.5899041	362778.4680215841	434396.405612357	2885.0001753991382	2741.7300208547825	2705.684710536894	2704.2437048538654	30.60229801331	37.486316
654	75394	60038.8586773035	89505										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SurfKtLog.ft	SurfKtLog.ft
735	75475	113498.85867307335	895057.3170250766	29.23351425903828	-100.3989234	27961.52027942985	4343622.791169177	2728.0724324170756	2728.0724324170756	2628.071231552265	2568.5411233645963	2568.542148315579	59.575108187668746	59.529033668589
736	75476	114158.85867307335	895057.3170250766	29.2335050014716	-100.3965944	27962.582702778093	4343618.227750923	2728.8732491554	2628.7931571718947	2562.86855239314	2563.044036301808	63.931406053	63.735248465173994	63.735248465173994
737	75477	114818.85867307335	895057.3170250766	29.2334984598442	-100.3944554	27963.53574132885	4343614.958123885	2730.62272569327	2625.477809194153	2557.477388	2557.881030957274	67.8998631642296	67.8998631642296	67.8998631642296
738	75478	115478.85867307335	895057.3170250766	29.2340984740517	-100.3913954	27964.54332717764	4343610.5145507	2731.397192640511	2624.164550416916	2550.472977037693	2552.8607119099147	73.6915733922297	71.3038385071027	71.3038385071027
739	75479	116138.85867307335	895057.3170250766	29.2343289635437	-100.3896073	27965.55057598346	4343606.393	2732.372189592874	2622.8417568122007	2546.704411525686	2549.5948437138116	78.3394538951485	73.24692518	73.24692518
740	75480	116798.85867307335	895057.3170250766	29.23347501471701	-100.3872783	27966.55809187266	4343602.976	2727.547263	2621.50873209543	2548.1167900719033	2549.217642166983	73.38993413754984	72.29109140057488	72.29109140057488
1	75481	-370941.1431	895717.3170250766	29.2288686819898	-102.1083974	231681.1611531767	434678.415608239	4051.580951327578	3829.169240776137	3742.2603392755627	3791.1009428668	896808015	87.7321398345146	87.7321398345146
2	75482	-370281.1431	895717.3170250766	29.228911221784502	-102.1060687	231882.3080777113	434678.741717548	4048.26064362939	3827.643400623277	3739.548008238924	3739.194249143037	88.0953917938474	88.4845114802429	88.4845114802429
3	75483	-369681.1431	895717.3170250766	29.22895746372647	-102.1037401	232093.456532026	434677.419413384	4048.362726734816	3825.1058790488615	3737.3371338925688	3734.7313484923657	88.7861254269275	88.8623673381233	88.8623673381233
4	75484	-368961.1431	895717.3170250766	29.22896254025776	-102.1011414	232284.5035289495	434677.012159480	4043.05089239297	3824.556203177646	3735.201554102619	3734.4321016529597	89.3546495154556	90.025923475892	90.025923475892
5	75485	-368301.1431	895717.3170250766	29.2289672935139	-102.0980827	232485.755655708	434676.03296496	4040.73924992322	3822.962871045541	3733.00317271492	3732.166473482203	89.9619337	90.82639756	90.82639756
6	75486	-367641.1431	895717.3170250766	29.22901280970058	-102.0967541	232686.8971174286	434676.192651647	4038.427513475678	3821.415201682976	3730.7937570585427	3729.895809216728	90.442464243348	91.51939186130357	91.51939186130357
7	75487	-366981.1431	895717.3170250766	29.22903784507333	-102.0944254	232888.04351377103	434676.329265688	4035.702026737176	3819.822756482324	3728.725426289864	3727.538968176893	91.0823013836831	92.0921882465314	92.0921882465314
8	75488	-366321.1431	895717.3170250766	29.22906283457056	-102.0920907	233089.1896549094	434675.73128244	4032.5632942787747	3818.215186526434	3726.4888127755207	3725.658788728474	91.7263735091381	92.5609765358713	92.5609765358713
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12	75492	-363681.1431	895717.3170250766	29.22916237300125	-102.082782	233893.7715243121	434673.54749185	4023.239700110967	3811.6265707195867	3720.7569768519167	3719.833681	90.8693936767103	91.7901892354667	91.7901892354667
13	75493	-363021.1431	895717.3170250766	29.22918711281745	-102.0804533	234094.9163335088	434673.24960509	4022.255403695677	3809.38042661967	3719.386097170173	3718.708360466561	90.56994549178808	91.22968219540007	91.22968219540007
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17	75497	-360381.1431	895717.3170250766	29.2292857423125045	-102.071184	234899.4234751907	434671.858043546	4012.45378432005	3803.78168043546	3713.371138925688	3712.478132122825	89.484563	90.025923475892	90.025923475892
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19	75499	-359061.1431	895717.3170250766	29.229334761421185	-102.0664812	235301.77965271	434670.87665523	4004.71329690489	3799.4309750613456	3710.066140458246	3709.947993284606	89.7345902	89.9410723473707	89.9410723473707
20	75500	-358401.1431	895717.3170250766	29.2293592110468	-102.0641525	235502.9226376822	434670.581481691	4000.941170671672	3797.613265158096	3708.4345610617856	3708.751974849593	88.17870409102397	88.8612903232167	88.8612903232167
21	75501	-357741.1431	895717.3170250766	29.22938361781172	-102.0618238	235704.0653284571	434670.48146203	3997.713150690515	3795.762835426777	3707.2436219424167	3706.94393245528	88.789213486241	89.0823013836831	89.0823013836831
22	75502	-357081.1431	895717.3170250766	29.2294079785427	-102.0594951	235905.207750974	434669.39291764	3994.8412936118564	3793.88748728183	3706.308561586184	3706.909304132558	87.5789257	88.89713774305502	88.89713774305502
23	75503	-356421.1431	895717.3170250766	29.22943242429225	-102.0571684	236106.3496915893	434668.409649367	3991.836857398997	3792.45378432005	3705.78168043546	3705.48456328968	88.5849625298968	88.5849625298968	88.5849625298968
24	75504	-355761.1431	895717.3170250766	29.22945677	-102.0548577	236307.4911	434668.204	3989.7705364	3790.05534	3704.60483230363	3704.1619321145254	88.5969034	89.2343151	89.2343151
25	75505	-355101.1431	895717.3170250766	29.22948079087447	-102.052509	236508.635276256	434668.110402679	3987.7163147258048	3788.12754255486	3703.56155286573192	3703.0751512866878	88.5471218180948	82.5102343890752	82.5102343890752
26	75506	-354441.1431	895717.3170250766	29.22950497169859	-102.0501803	236709.774923504	434668.01678374	3985.65525570993	3787.23152872482	3702.466273443345	3705.6157059651306	88.70694184	81.09909303217168	81.09909303217168
27	75507	-353781.1431	895717.3170250766	29.22952910754598	-102.0478516	236910.910586209	434667.93140085	3983.459052	3784.20210893745	3701.262989922235	3704.591744235962	82.93911901560978	79.69239451424828	79.69239451424828
28	75508	-353121.1431	895717.3170250766	29.2295519841658	-102.0455229	237112.0569332578	434667.819279804	3981.124494181406	3779.9744521676243	3700.066201505205	3702.239353065235	88.751970821171	78.19570821171	78.19570821171
29	75509	-352461.1431	895717.3170250766	29.22957274431039	-102.0431942	237313.7159458084	434667.736521528	3979.7895930673	3778.1608725994223	3698.5507	3703.6630401689897	81.58881198847227	76.348542226162	76.348542226162
30	75510	-351801.1431	895717.3170250766	29.229597259160236	-102.040965	237514.337985381	434667.634512465	3978.45378432005	3776.191754	3698.90024171108	3703.9994781981487	81.5429770821	76.484563	76.484563
31	75511	-351141.1431	895717.3170250766	29.22962501177926	-102.0385388	237715.478099518	434667.55096396	3973.606441517396	3776.1016753174458	3698.109392565942	3705.106736370885	81.1075637059402	76.2904516316928	76.2904516316928
32	75512	-350481.1431	895717.3170250766	29.22964911241233	-102.0362081	237916.617923281	434665.45368127	3970.243152369206	3774.11722740477	3693.251551199165	3695.64072879167	80.8661754156966	76.47695958676702	76.47695958676702
33	75513	-349821.1431	895717.3170250766	29.229672978128406	-102.0338794	238117.7547951912	434665.35614287	3968.79809280102	3772.0614893619054	3691.4269266253095	3694.299606	80.6451565263059	77.7618291	77.7618291
34	75514	-349161.1431	895717.3170250766	29.22969679913742	-102.0315507	238318.8968047625	434664.273577026	3967.516493192884	3769.992228768422	3689.59349051697	3693.134425	80.3873820672528	76.8570381832025	76.8570381832025
35	75515	-348501.1431	895717.3170250766	29.22972051516937	-102.0292219	238520.03806714056	434664.181552729	3960.98919293423	3767.90908066698	3687.694387209366	3692.3389175054867	80.21541336	75.5709351	75.5709351
36	75516	-347841.1431	895717.3170250766	29.2297443306241	-102.0268832	238721.17465573404	434663.9996306	3959.297962485406	3765.8140831387723	3685.82299466729	3691.4271641154917	79.910884599245	74.38701902336021	74.38701902336021
37	75517	-347181.1431	895717.3170250766	29.22976813670795	-102.0245962	238922.3296873842	434663.819614118	3958.79474810354	3763.72014810354	3684.7994781981487	3689.3994781981487	79.8		

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f	
121	103	75601	-291741.1413	859717.13170250766	39.23159704991862	-101.828947	558117.04646866528	3436291.960135058	3781.748590732288	3592.1764922658463	3499.7585182436515	3531.362298	41.77497042219481	60.814193588060625
122	103	75602	-291081.1413	859717.13170250766	39.231616912781206	-101.8286182	558018.7617093135	3436287.3402374465	3786.7071333930255	3590.740424442299	3497.9171411005114	3541.177661219837	92.82336236178776	49.56273322246231
123	103	75603	-290421.1413	859717.13170250766	39.23162687	-101.8284284	558219.2807335763	3436293.808625236	3784.811219516064	3589.362635038769	3497.01786906743	3547.802503087369	92.28089652536362	41.5743362391066
124	103	75604	-289761.1413	859717.13170250766	39.2316565356406	-101.821905	558420.39751500537	3436279.732988342	3776.060891014036	3588.099384089164	3495.78362329725	3551.6213217158	92.19155142	36.5777003715832
125	103	75605	-289101.1413	859717.13170250766	39.23167623148434	-101.8196317	558621.51405542102	3436275.567686089	3775.310478667434	3586.885843425278	3493.3706813269524	3552.588730375027	93.51520297130537	34.29715629657502
126	103	75606	-288441.1413	859717.13170250766	39.23169691442378	-101.8173029	558822.63305533315	3436271.582500614	3775.5681022720837	3585.7368410346284	3492.7832759686043	3555.73540223678035	30.0143901832189	30.0143901832189
127	103	75607	-287781.1413	859717.13170250766	39.23171555238237	-101.8148474	557203.7464140422	3436267.50297573	3773.5717292251456	3584.66373842179	3490.707563	3559.8306721069397	93.5881063805884	24.815018326906
128	103	75608	-287121.1413	859717.13170250766	39.231735145360034	-101.8126452	557224.6223265712	3436263.417427419	3772.0713736399564	3583.60737419167	3487.841867	3551.015819383668	96.76550724438721	32.59154584989125
129	103	75609	-286461.1413	859717.13170250766	39.23174963359677	-101.8103163	557425.87781108116	3436259.358144003	3771.2461723817596	3581.6325268178183	3485.314222274862	3536.4642589436755	97.22993636756755	46.1689932711023
130	103	75610	-285801.1413	859717.13170250766	39.23177149637251	-101.8079785	557425.87781108116	3436259.358144003	3771.2461723817596	3581.6325268178183	3485.314222274862	3536.4642589436755	97.22993636756755	46.1689932711023
131	103	75611	-285141.1413	859717.13170250766	39.23178564407255	-101.8056588	557425.87781108116	3436259.358144003	3771.2461723817596	3581.6325268178183	3485.314222274862	3536.4642589436755	97.22993636756755	46.1689932711023
132	103	75612	-284481.1413	859717.13170250766	39.23181306746092	-101.8032298	558209.3231072644	3436247.135455197	3767.698649377674	3579.824664321572	3477.2357547617333	3498.7574948240822	102.58899505983661	81.0671694754535
133	103	75613	-283821.1413	859717.13170250766	39.231832453533505	-101.8010009	558230.4377269779	3436247.135455197	3767.698649377674	3579.824664321572	3477.2357547617333	3498.7574948240822	102.58899505983661	81.0671694754535
134	103	75614	-283161.1413	859717.13170250766	39.231851758624964	-101.7986721	558431.55102572756	3436238.99722462	3765.3224556622257	3578.405756662257	3471.745462	3481.891672393197	106.30029441453553	96.15408367302871
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139	103	75619	-279861.1413	859717.13170250766	39.2319467693641	-101.7870278	559437.1204988825	3436218.622332846	3760.97414864827	3573.4981417305785	3461.439673622603	3473.674210403084	112.0586236630872	99.82393168227009
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148	103	75628	-273921.1413	859717.13170250766	39.23211788866854	-101.766068	561247.12843733284	3436181.975841164	3738.4730303	3563.632555	3486.828019007045	351.731291279618	76.80453645030502	45.0726417731446
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154	103	75634	-269961.1413	859717.13170250766	39.23222877436201	-101.7520948	562453.789890947	3436157.9336713473	3719.936533467183	3555.346419314763	3502.131136397342	3515.3718827004	62.40274403386771	42.09240140386771
155	103	75635	-269301.1413	859717.13170250766	39.23224745284149	-101.7497569	562654.89231692	3436153.48562319	3717.322063417433	3553.83792307852	3502.9630079078183	3518.1956240449954	80.87462291063375	35.69830328896514
156	103	75636	-268641.1413	859717.13170250766	39.23226548632390	-101.7474817	562856.00852232	3436149.41366544	3714.9118693087013	3552.304567475355	3498.241666097403	350.8293210277575	60.0157684521418	48.3859507248987
157	103	75637	-267981.1413	859717.13170250766	39.23228377485471	-101.7451082	563057.117226109	3436145.35	3712.50175147993	3550.94895785485	3504.008994754236	3517.452715960789	67.255842320483	32.191880187658
158	103	75638	-267321.1413	859717.13170250766	39.2323020183838	-101.7427793	563258.226047577	3436141.27319884	3710.01480281327	3549.142767880712	3505.0819172303373	3518.498661607258	44.060055676485	30.64410627345327
159	103	75639	-266661.1413	859717.13170250766	39.23232021694003	-101.7404504	563459.3494288605	3436137.20627596	3699.08133080559	3548.56212898699	3504.3623897159832	3517.3908604203394	43.2118271827516	30.21882742335947
160	103	75640	-266001.1413	859717.13170250766	39.23233837051862	-101.7381215	563660.442827116	3436133.13745117	3696.471234619339	3545.8950020809576	3503.909797026882	3516.271211592614	41.98521218297534	29.62379050950618
161	103	75641	-265341.1413	859717.13170250766	39.23235648	-101.7357928	563861.5508277067	3436129.1084701387	3693.186135675309	3544.22460441825	3503.909797026882	3516.271211592614	41.98521218297534	29.62379050950618
162	103	75642	-264681.1413	859717.13170250766	39.2323745471148	-101.7334637	564042.6589500493	3436125.00257245	3688.251036706684	3542.576831140593	3502.9630079078183	3518.1956240449954	80.87462291063375	35.69830328896514
163	103	75643	-264021.1413	859717.13170250766	39.23239261402516	-101.7311349	564248.761662374	3436121.03852194	3686.34206152159	3540.82919847483	3502.9630079078183	3518.1956240449954	80.87462291063375	35.69830328896514
164	103	75644	-263361.1413	859717.13170250766	39.23241053497317	-101.728806	564464.6730303287	3436116.3830875	3684.33219893562	3539.20734212316	3502.17051			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThkLog.s	SatThkBoth.ft
247	107	-208881.1413	859717.131720250676	39.23374553610734	-101.5355046	15155.987599505284	34357.7945438773	3585.5256026416573	3403.807778421208	3425.2459714641327	0	0	0
248	105	-207921.1413	859717.131720250676	39.233759731131684	-101.5331796	281357.0760594263	34345.7501840457	3583.216709997842	3402.2116574227052	3420.6659421447965	3434.033538762163	0	0
249	103	-207261.1413	859717.131720250676	39.233773861171246	-101.5309159	281568.1643042903	34357.717494381651	3580.904173877693	3400.594038996216	3415.327653267738	3435.364562427440	0	0
250	103	-206601.1413	859717.131720250676	39.2337798622601	-101.5251777	281759.2532336345	34345.67769171778	3585.290028862863	3411.42863147973	3430.8758316096	0	0	0
251	103	-205941.1413	859717.131720250676	39.23380206429596	-101.5261887	281960.3401478964	34345.76345152197	3575.80068024281	3397.301563679429	3423.5389405583705	3429.7275518132255	0	0
252	103	-205281.1413	859717.131720250676	39.233816061381035	-101.5238597	282161.4277	34345.79593291647	3572.310840762354	3395.618960200502	3411.569466022257	3428.892938	0	0
253	103	-204621.1413	859717.131720250676	39.23383003148123	-101.5215308	282362.55153172616	34345.7541615518	3569.2254876881897	3393.910659124929	3408.85205342384	3426.801966548835	0	0
254	103	-203961.1413	859717.131720250676	39.2338439659654	-101.5192018	282563.6023	34345.751490123065	3565.937891660144	3392.1270940213568	3407.192887479233	3421.681768798486	0	0
255	103	-203301.1413	859717.131720250676	39.23387386726905	-101.5168728	282764.6862457448	34345.71943816501	3560.904173877693	3400.594038996216	3415.327653267738	3435.364562427440	0	0
256	103	-202641.1413	859717.131720250676	39.23387167175231	-101.5145438	282965.779988372	34345.4338793597	3560.1243420183948	3398.59786302671	3401.957254605225	3417.41129569173	0	0
257	103	-201981.1413	859717.131720250676	39.2338854602373	-101.5121428	283166.8625263926	34345.336750085	3557.344508	3386.76494826409	3399.5477689426675	3412.345792366845	0	0
258	103	-201321.1413	859717.131720250676	39.2338992720813	-101.5098859	283367.94880421557	34345.73.286000958	3554.564673031426	3384.9017821953703	3397.751072776248	3403.86665405926	0	0
259	103	-200661.1413	859717.131720250676	39.23391290739851	-101.5075569	283569.03405451204	34345.731.235	3550.908095463934	3382.907210817132	3395.832752	3400.3057720913442	0	0
260	103	-200001.1413	859717.131720250676	39.2339265626382	-101.5052279	283770.120827481	34345.72.18504381	3546.3772671733635	3381.0817404000254	3393.6974859982314	3403.87229648132	0	0
261	103	-199341.1413	859717.131720250676	39.233940172824035	-101.5028989	283971.20650134067	34345.723.148444816	3541.845607807937	3379.126812975836	3391.6157369572566	3401.496789825898	0	0
262	103	-198681.1413	859717.131720250676	39.2339573805912	-101.500569	284172.291962384	34345.719.08428153	3537.313944822238	3377.144107264515	3389.621004802387	3399.21060860145	0	0
263	103	-198021.1413	859717.131720250676	39.23396725830913	-101.4982409	284373.372105203	34345.710.034995846	3533.42571403083	3375.1357526173856	3387.9682915684142	3396.92866025374	0	0
264	103	-197361.1413	859717.131720250676	39.23398075337915	-101.495912	284574.462242556	34345.710.985378735	3530.2014757670473	3373.102978273357	3385.56522008815	3394.526803379041	0	0
265	103	-196701.1413	859717.131720250676	39.23399416385531	-101.49383	284775.5470699304	34345.706.35884223	3526.97031377588	3371.0461942734698	3382.96479130865	3391.81952602817	0	0
266	103	-196041.1413	859717.131720250676	39.234007549147904	-101.491254	284976.6316810396	34345.702.88660421	3523.73296926046	3368.96032035858	3379.904975826067	3387.70764573442	0	0
267	103	-195381.1413	859717.131720250676	39.2340208945704	-101.488925	285177.716080496	34345.698.7509925	3521.896694917313	3366.867191783286	3376.4298640220113	3384.107350729098	0	0
268	103	-194721.1413	859717.131720250676	39.23403415479096	-101.486596	285378.8002687247	34345.694.78959944	3521.424065143157	3364.70391192411	3372.301147865264	3379.961847214964	0	0
269	103	-194061.1413	859717.131720250676	39.23404735311955	-101.484257	285579.8842707183	34345.69.8842707183	3520.84545730945	3362.58451270843	3370.84921570843	3378.961847214964	0	0
270	103	-193401.1413	859717.131720250676	39.23406054	-101.48138	285780.9680906005	34345.686.9130777	3520.534426	3360.4704027529275	3363.4335942765037	3370.545675676705	0	0
271	103	-192741.1413	859717.131720250676	39.23407380084073	-101.479609	285892.0515635611	34345.682.69272979	3519.414355951895	3358.3182742359604	3360.005954576445	3367.12063035197038	0	0
272	103	-192081.1413	859717.131720250676	39.2340869122329	-101.47728	286163.134906589	34345.678.59479643	3517.628545386394	3356.1562963166007	3357.5840554815054	3364.07790961927	0	0
273	103	-191421.1413	859717.131720250676	39.2340999662046	-101.474951	286384.2180391011	34345.674.546810218	3515.842654825383	3353.988970591994	3356.098078174965	3363.504425213432	0	0
274	103	-190761.1413	859717.131720250676	39.2341130120222	-101.472622	286585.3009610899	34345.670.499	3514.0567642621268	3351.81805381616	3354.560195039935	3362.180352279486	0	0
275	103	-190101.1413	859717.131720250676	39.23412594248583	-101.470293	286786.36587283296	34345.665.481	3513.221746812243	3349.548939887878	3353.73883382119	3358.91037122156	0	0
276	103	-189441.1413	859717.131720250676	39.2341389789938	-101.467584	286987.46474335	34345.662.4949051	3513.3676147175964	3347.4798745741176	3352.867545411295	3357.569577777446	0	0
277	103	-188781.1413	859717.131720250676	39.2341581835473	-101.465635	287188.54846639815	34345.656.39659824	3513.5034731392775	3345.31658872828	3345.974711442615	3353.025032649156	0	0
278	103	-188121.1413	859717.131720250676	39.234164663824565	-101.463306	287389.6045463033	34345.654.306627831	3513.6393348027896	3343.1581064131524	3344.587407	3349.245822068063	0	0
279	103	-187461.1413	859717.131720250676	39.2341776430886	-101.460977	287590.7124214347	34345.650.26744067	3513.9330312052425	3341.0093858731366	3343.647843319834	3345.54657258257	0	0
280	103	-186801.1413	859717.131720250676	39.23419022	-101.458948	287791.79400581857	34345.646.216044526	3514.38456233486	3338.8716253238777	3342.4726474874855	3340.788745	0	4.20779845032212
281	103	-186141.1413	859717.131720250676	39.23420293032074	-101.456319	287992.8759558443	34345.642.169259194	3514.830698	3336.744454539629	3338.726745880351	3332.023765491797	0	0
282	103	-185481.1413	859717.131720250676	39.23421559494878	-101.4539	288193.9569	34345.638.12190969	3515.287426294204	3334.62749527924	3337.47236234971	3327.540091458314	0	0
283	103	-184821.1413	859717.131720250676	39.2342281639019	-101.451661	288395.032748846	34345.635.071071421	3515.63698918	3332.0314471973251	3332.0314471973251	0.49279092740517605	8.98677708438472	0
284	103	-184161.1413	859717.131720250676	39.234240719146434	-101.449332	288596.118651234	34345.630.01808406	3514.830031	3330.40020691728	3328.2686234694725	3321.86052069427	2.16139719955312	13.484395805970653
285	103	-183501.1413	859717.131720250676	39.2342533225169	-101.447003	288797.1992717844	34345.625.83095185	3513.1249236585354	3328.347639870708	3325.136511271299	3317.228757271581	17.11869112244538	0
286	103	-182841.1413	859717.131720250676	39.23426580810184	-101.444674	288998.2766843163	34345.621.393751472	3512.16953704101	3326.728504833024	3322.1374702306478	3307.602648511278	4.11057739737627	16.8576822142454
287	103	-182181.1413	859717.131720250676	39.23427842870097	-101.442345	289199.359	34345.617.89430521	3510.853458978193	3324.223317109167	3318.7266148892427	3311.6102161024342	12.60730219924373	12.60730219924373
288	103	-181521.1413	859717.131720250676	39.23429064432046	-101.440016	289400.439862593	34345.613.849077195	3508.1766882430143	3322.17907805622	3315.5534718447498	3312.7426622180733	10.63630683812483	9.437117840488956
289	103	-180861.1413	859717.131720250676	39.23430135005897	-101.437787	289600.599357127	34345.605.79	3507.82137778823	3318.1320945671	3310.10523411774	3308.8545623061035	10.02647115392753	9.27573906831673
290	103	-180201.1413	859717.131720250676	39.23432756124575	-101.435029	290003.67873438634	34345.601.714503924	3507.3474552	3316.1315568561155	3305.3747487056114	3306.3585931340044	10.7600960000011	9.727963721
291	103	-179541.1413	859717.131720250676	39.23433977915824	-101.4307	290204.7530729625	34345.595.470014435	3500.454129726436	3314.147488675732	3302.770004420594	3306.1488587453	11.76784233672466	7.9986293
292	103	-178881.1413	859717.131720250676	39.234351947600554	-101.428371	290405.8389	34345.590.4369	3497.4337077824875	3312.1784557390156	3300.040695479856	3303.35285848833	12.1383991700022	8.6431769
293	103	-178221.1413	859717.131720250676	39.23436407329638	-101.426019	290606.9156215681	34345.589.81587818	3494.413285385105	3310.2246757034313	3297.286301309206	3300.829409737498	12.3384734942232	9.3952656681574
294	103	-177561.1413	859717.131720250676	39.2343761489357972	-101.423719	290807.9942	34345.585.37869584	3492.134719462713	3308.5944885117752	3298.19838912323	3300.186764769355	9.089524722482541	0
295	103	-176901.1413	859717.131720250676	39.234389173218188	-101.421329	291009.075154298	34345.581.433987126	3493.598008745126	3306.35195070937	3291.207222645204	3296.89708647308	15.5587162723212	9.6961085978625
296	103	-176241.1413	859717.131720250676	39.23440180477756	-101.4190549	291210.150653065	34345.575.40326874	3490.421297950756	3304.55273530497	3288.5			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvElevKgr.ft	SurfElevKgr.ft	SurfBottom.ft
373	75853	-125421.1413	859717.3172025076	39.23517986422976	-121.2420478	306491.5026832395	3435270.67715546	334.9195872881737	316.8572064799875	3126.8863880271792	3125.881087017102	58.68656777	60.6909778227364
374	75854	-124761.1413	859717.3172025076	39.23516837299368	-121.2397187	306492.5668761196	3435144.9638174384	334.1449538170524	315.8503201984221	3124.47789563902	3124.47789563902	59.8816859564894	60.6117124232036
375	75855	-124101.1413	859717.3172025076	39.23519685476981	-121.2373897	306893.6386973854	343532.8186205998	333.8945261892574	313.8945261892574	3123.6211571788989	3123.6211571788989	59.8409178579873257	61.233530779873257
376	75856	-123441.1413	859717.3172025076	39.23520951550563	-121.2350066	307004.9911300565	343525.5859	336.6816621180255	3181.854303981293	3125.253106	3122.024879162031	59.9247191801935	59.82942473209823
377	75857	-122711.1413	859717.3172025076	39.23521368339768	-121.2327315	307295.7534730468	3435254.56065844	333.3262473406705	3180.1869046064336	3121.0136305672536	3120.873477859104	59.17330100970095	59.31159288
378	75858	-122121.1413	859717.3172025076	39.23522200315754	-121.2304025	307496.81562761194	343525.103310389	333.9711935302885	3178.460658584336	3119.7907130937006	3119.7907130937006	58.67025276473305	58.69684186846044
379	75859	-121461.1413	859717.3172025076	39.23522033317968	-121.2280734	307697.87759288575	343525.403307376	332.525428031129	3176.671771451769	3118.462108583425	3118.668979007995	58.2105106893422	58.0027923477407
380	75860	-120801.1413	859717.3172025076	39.2352365881427	-121.2257443	307888.933694336	343524.475086713	330.9891313413935	3174.816408236985	3117.1043933337374	3117.1043933337374	57.7120689031415	57.5942916071944
381	75861	-120141.1413	859717.3172025076	39.2352468	-121.2234153	308100.0065746445	343522.846854688	330.84521645593574	3172.8917601495264	3116.922719067619	3115.87889515355	57.158886241907438	57.012781634171465
382	75862	-119481.1413	859717.3172025076	39.23525485762074	-121.2210862	308301.0653717796	343523.419005604	332.916377962323	3170.89710983919	3114.39035440219813	3113.892520857214	56.505724427695	57.045825812575474
383	75863	-118821.1413	859717.3172025076	39.23526308393527	-121.2187571	308502.1235687785	343523.0591329742	3325.038561978229	3168.834106983247	3112.9577777911504	3111.724584747035	55.87632917174284	57.10055222128881
384	75864	-118161.1413	859717.3172025076	39.23527116627678	-121.2164281	308703.184592474	343522.36365297	330.218905847629	3166.750497115051	3111.4150266430815	3109.3491202679425	55.290470471969456	57.35637864710855
385	75865	-117501.1413	859717.3172025076	39.23527919817335	-121.214099	308904.2544284722	343522.363652965	331.6599224995729	3164.5148206502024	3109.9486014029376	3107.01268577681	55.296421926084815	57.35012348988031
386	75866	-116841.1413	859717.3172025076	39.235287185082285	-121.2117699	309105.30670697725	343521.8109042628	331.27395941446792	3166.261944243137	3108.7315651151414	3108.7315651151414	55.334629727899565	56.93394965201239
387	75867	-116181.1413	859717.3172025076	39.23529617200354	-121.2094408	309306.3665381812	343514.262010387	331.194219845592	3159.964761746504	3107.285858690999	3103.1041452687759	55.68015638879515	56.86015638879515
388	75868	-115521.1413	859717.3172025076	39.23530323037135	-121.2071118	309507.42681230424	343521.05116135	331.04312710994278	3157.813891144552	3106.836733702217	3106.836733702217	55.77751774330136	55.00879239044889
389	75869	-114861.1413	859717.3172025076	39.23531087588302	-121.2047827	309708.488995452	343520.22849058	331.8492033426434	3155.219001727692	3104.385887336651	3107.96195805364	55.83311338411406	55.2707342
390	75870	-114201.1413	859717.3172025076	39.23531868284121	-121.2024536	309909.54680011043	343520.20131953	331.74094116060373	3152.7831282505328	3101.902589019792	3106.87050459164	55.808533022255624	55.079012517889615
391	75871	-113541.1413	859717.3172025076	39.23532644841166	-121.2001246	310110.661051420546	343519.175712508	331.701960446782	3150.35040049652	3105.426692782733	3104.890985360815	55.85787167137869	55.41964588970525
392	75872	-112881.1413	859717.3172025076	39.235334167179439	-121.1977955	310311.6660243101	343519.154	331.675117788033	3147.8054209714596	3098.9718510015036	3103.345307249772	55.8603969695599	55.436011327168741
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394	75874	-111561.1413	859717.3172025076	39.23534936079657	-121.1931373	311073.78453970596	343518.091919704	331.02741474459833	3142.71627	3096.09872912256	3101.2254621980805	55.674504362328	55.41900764699556
395	75875	-110901.1413	859717.3172025076	39.2353574281597	-121.1908385	311528.933222214	343518.7565338231	330.942393996342	3145.178263918807194	3095.178263918807194	3095.178263918807194	55.674504362328	55.41900764699556
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401	75881	-106941.1413	859717.3172025076	39.23540158018728	-121.1768338	312121.1934442916	343516.914726512	329.360407842155	3127.062721196918	3088.035443438603	3094.43190907494	55.435582014370515	55.3706330334647
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403	75883	-105621.1413	859717.3172025076	39.2354167940951	-121.1721756	312523.30831141246	343516.914726512	329.360407842155	3127.062721196918	3088.035443438603	3094.43190907494	55.435582014370515	55.3706330334647
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414	75894	-98361.1413	859717.3172025076	39.23549255345791	-121.146557	314734.928451913	343510.69183714225	327.097296777523	3110.37464343935	3087.222728946	3087.222728946	55.435582014370515	55.3706330334647
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416	75896	-97041.1413	859717.3172025076	39.235507302492	-121.1418676	315137.0346261073	343510.69183714225	327.097296777523	3110.37464343935	3087.222728946	3087.222728946	55.435582014370515	55.3706330334647
417	75897	-96381.1413	859717.3172025076	39.2355124653095	-121.1395685	315338.094400673	343510.69183714225	327.097296777523	3110.37464343935	3087.222728946	3087.222728946	55.435582014370515	55.3706330334647
418	75898	-95721.1413	859717.3172025076	39.2355190126027	-121.1372394	315539.1491571825	343510.69183714225	327.097296777523	3110.37464343				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.ft	BRRElevBthKgr.ft	SatHtKgr.ft	SatHtBoth.ft
49	103	75979	-42261.14133	85977.13170250766	39.25389993720579	-100.4588923	318124.002482791	3444764.142866594	3139.1899737300287	351.5136888233177	2887.2598862878793	284.470615526929	64.2549975543842
500	103	75980	-41601.14133	85977.13170250766	39.25390279544467	-100.5462532	332025.0430997055	34470.7040662074	3136.7701610090785	2940.54896749236	2886.237131153259	288.0294379070846	65.1897312195124
501	103	75981	-40841.14133	85977.13170250766	39.25390594969473	-100.5929944	332226.863538684	34475.604048424	3134.3114867802818	2950.852040913115	2884.840194827169	288.0294379070846	65.7422112894556
502	103	75982	-40281.14133	85977.13170250766	39.253908376957305	-100.941595	332427.123941872	34475.304450443	3131.912535567139	2949.813445577398	2881.170800038353	288.145170470292	66.6235055338285
503	103	75983	-39621.14133	85977.13170250766	39.25391110022967	-100.9392659	332628.1640675965	34474.4838637038	3130.091718697304	2949.2385056292276	2876.154217869257	287.7415812484455	70.93033277
504	103	75984	-38962.14133	85977.13170250766	39.25391378713117	-100.9369368	332829.20420999443	34474.4838637038	3128.878967875054	2948.655653086046	2871.140008301234	287.8015017929547	75.155449736173
505	103	75985	-38301.14133	85977.13170250766	39.25391641807835	-100.9346077	333030.2438292754	34473.377558361	3127.66606690706	2948.063488891331	2867.254394894152	286.856105383955	80.8099090498331
506	103	75986	-37461.14133	85977.13170250766	39.2539190011365	-100.9322785	33321.2346564283	34473.3672292533	3126.453255649078	2947.4644078407414	2864.1925813047856	286.8794319795101	83.67160586520441
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511	103	75991	-34341.14133	85977.13170250766	39.2539312668067	-100.920633	334236.4781049566	34471.4836899526	3117.0108335380154	2944.222295836254	2868.001854280314	286.0686968363485	76.23535159
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513	103	75993	-33021.14133	85977.13170250766	39.2539358686595	-100.9159748	334638.5565758424	34471.70831	3108.62545303280423	2943.0673423280423	2873.1105318663676	287.174512378186	69.89271141
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515	103	75995	-31701.14133	85977.13170250766	39.2539402703666	-100.9113165	335040.632895648	34470.33107978	3103.2035571036274	2941.644783133652	2874.8191619827916	287.628659821634	63.225621150680026
516	103	75996	-31041.14133	85977.13170250766	39.25394240878365	-100.9089874	335241.67094113913	34470.632965972	3101.3433171276274	2940.94597298175	2879.7425507704677	287.87954275452406	60.917273045011408
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523	103	76003	-26421.14133	85977.13170250766	39.253956118013156	-100.8928638	336648.932566025	34466.31067886	3092.833182771385	2935.3119904535697	2874.960199735535	286.974061983181955	60.8052515337419
524	103	76004	-25761.14133	85977.13170250766	39.25395789651881	-100.8903545	336849.8692955307	34466.3089333	3091.42065	2935.0625832459177	2873.801367104415	287.73298415619397	61.2612156347622
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534	103	76014	-19161.14133	85977.13170250766	39.2539732514387	-100.8670364	338860.3277250957	34462.299425059	3081.3169420784	2928.37702211235	2872.546802167894	286.974061983181955	54.2150671253645
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545	103	76025	-11901.14133	85977.13170250766	39.253984852690244	-100.841431	341071.704944679	34454.580128091	3079.16945288565	2919.2145330711866	2871.0430833010264	286.974061983181955	44.5422718
546	103	76026	-11241.14133	85977.13170250766	39.253985641438724	-100.839114	341272.7738214314	34453.3011152523	3065.65782135433	2918.195200082950	2870.82619026298	286.9740	

ix	iy	x	Y.R	Latitude	Longitude	UTM_X	UTM_Y	SurElev	W.Lt	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
625	103	76105	40898.8586730335	859717.3170250766	39.25909578739235	-0.05551139	357153.89616418944	344261.0457647685	2948.558179	2735.39625416439	2733.7370849791278	51.62250443731127	51.7871882719202
626	103	76106	41558.8586730335	859717.3170250766	39.2590297702449	-0.0527268	357354.9173735855	344257.062	2945.8289730445113	2730.5937539936832	2730.5937539936832	52.73869409570396	52.927369060302
627	103	76107	45178.8586730335	859717.3170250766	39.2590912116783	-0.0568481	357655.929784336	344235.07074373	2941.862270554712	2731.862270554712	2731.862270554712	53.931795170776	54.1807714439078
628	103	76108	42878.8586730335	859717.3170250766	39.2590722123244	-0.0481266	357256.9604701654	34424.096	2941.754686783314	2730.8524783779944	2727.7027698	52.754890559177	53.09757882076684
629	103	76109	43538.8586730335	859717.3170250766	39.258984275988024	-0.0645795	357957.9816269781	34422.13109525	2938.9528882129514	2731.716607615985	2731.716607615985	52.730129230066	53.0673831919624
630	103	76110	44198.8586730335	859717.3170250766	39.2589129	-0.0434684	358159.0027517595	34424.13	2936.45120689503	2738.07504828928	2737.6724297	53.739770066531	54.78262410657317
631	103	76111	44858.8586730335	859717.3170250766	39.2588825035146	-0.06141139	358360.02363651094	34422.371688176	2934.37537576223	2734.82259877011	2734.82259877011	53.9032490402615	54.366461959402264
632	103	76112	45158.8586730335	859717.3170250766	39.2588517005072	-0.0588011	358961.0443844174	34423.371688176	2931.8313416431074	2732.210172563727	2748.875189	53.74931195561879	54.3368149302695
633	103	76113	45178.8586730335	859717.3170250766	39.2588254476116	-0.0568481	358762.064994981	34422.371688176	2931.8313416431074	2732.210172563727	2748.875189	53.74931195561879	54.3368149302695
634	103	76114	46838.8586730335	859717.3170250766	39.25877874462836	-0.0541519	358963.0584858935	34422.371688176	2929.76110214027	2730.62969997148	2730.62969997148	53.74931195561879	54.3368149302695
635	103	76115	47498.8586730335	859717.3170250766	39.2587565921571	-0.0518228	359164.10580641485	34422.371688176	2928.4564278953	2728.5000776700564	2728.5000776700564	53.74931195561879	54.3368149302695
636	103	76116	48158.8586730335	859717.3170250766	39.258723989581	-0.0294937	359365.126007385	34421.733204255	2926.78123738044	2726.8905122159576	2749.467418956416	54.008490908587	54.12309323073054
637	103	76117	48818.8586730335	859717.3170250766	39.258716646	-0.0271646	359566.14607277187	34421.733204255	2921.563987325257	2724.698682847291	2741.997473073929	54.2286808766689	54.3368149302695
638	103	76118	49478.8586730335	859717.3170250766	39.2586653481696	-0.0248355	359767.166	34420.292752043	2920.000161	2763.79333547933248	2735.755902	54.0691850521452	54.283073141512893
639	103	76119	50138.8586730335	859717.3170250766	39.25862348259946	-0.0225504	359968.18579558225	34420.292752043	2918.47181927706	2762.258147183063	2732.1016927743535	54.3368149302695	54.283073141512893
640	103	76120	50798.8586730335	859717.3170250766	39.2585890040857	-0.0201773	360169.205453669	34420.292752043	2916.978457778169	2760.72972	2728.23747800754	53.7508041523286	54.283073141512893
641	103	76121	51458.8586730335	859717.3170250766	39.25855422848864	-0.0178482	360370.225	3441.9733251031	2915.84526381526	2759.208405652286	2728.060872371825	54.272176846498	54.3368149302695
642	103	76122	52118.8586730335	859717.3170250766	39.258518926044	-0.0155191	360571.24436423084	3441.9733251031	2913.90206924336	2757.693371	2722.586310958002	54.107058505832	54.3368149302695
643	103	76123	52778.8586730335	859717.3170250766	39.2584831748328	-0.01319	360772.26361711463	3441.9733251031	2912.39605051521	2756.183504164075	2720.513028111531	54.272176846498	54.3368149302695
644	103	76124	53438.8586730335	859717.3170250766	39.2584469731738	-0.0108609	360973.2872533397	3441.9733251031	2910.7542053871	2754.677826872373	2717.330493588075	54.272176846498	54.3368149302695
645	103	76125	54098.8586730335	859717.3170250766	39.2583102162778	-0.0085317	361174.3071191116	3441.9733251031	2908.015589	2753.176012573755	2714.5990921562084	54.186166499515	54.3368149302695
646	103	76126	54758.8586730335	859717.3170250766	39.2582372201946	-0.0062626	361375.320668343	3441.9733251031	2905.83351042997	2751.675622561455	2714.5990921562084	54.186166499515	54.3368149302695
647	103	76127	55418.8586730335	859717.3170250766	39.2581098132828	-0.0039518	361579.570491381	3441.9733251031	2903.2830230276	2749.19821339137	2714.5990921562084	54.186166499515	54.3368149302695
648	103	76128	56078.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
649	103	76129	56738.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
650	103	76130	57398.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
651	103	76131	58058.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
652	103	76132	58718.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
653	103	76133	59478.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
654	103	76134	60238.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
655	103	76135	60998.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
656	103	76136	61658.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
657	103	76137	62318.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
658	103	76138	62978.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
659	103	76139	63638.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
660	103	76140	64298.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
661	103	76141	64958.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
662	103	76142	65618.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
663	103	76143	66278.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
664	103	76144	66938.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
665	103	76145	67598.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
666	103	76146	68258.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
667	103	76147	68918.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
668	103	76148	69578.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
669	103	76149	70238.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
670	103	76150	70898.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
671	103	76151	71558.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
672	103	76152	72218.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994	54.186166499515	54.3368149302695
673	103	76153	72878.8586730335	859717.3170250766	39.258029766765706	-0.0015444	361777.35785705	3441.9733251031	2901.913962774	2748.680054	2710.045757445994		

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfThLogLs.ft	SurfThBoth.ft
11	76231	-363431.1413	860377.3170250766	39.203950602690436	-102.0851426	23366.73034159665	4349642.741	4025.9969678182496	3812.422331408213	3720.1183734917104	3719.3646428603657	92.3039671560244	93.0756885475707
12	76232	-363681.1413	860377.3170250766	39.230974873214315	-102.0828158	23367.87522113288	4349638.644097731	4024.4147093452457	3810.745711986636	3719.0849027264755	3718.2728267161416	91.8500590160826	92.47342911048418
13	76233	-363921.1413	860377.3170250766	39.2598693936986	-102.0804851	23369.01989768764	4349634.647698478	4023.8287307722304	3809.561367238821	3717.85519074241	3717.27171344564	91.1967459645926	91.8743635845703
14	76234	-363621.1413	860377.3170250766	39.2304236053309	-102.0781564	23360.164188432	4349630.15480325	4021.244770196205	3807.3412514155755	3717.706089606072	3716.6164255	90.6356172485852	91.2769881170771
15	76235	-361701.1413	860377.3170250766	39.23104904	-102.0758276	23350.13672606847	4349626.354501067	4018.1723707399784	3805.6149274791333	3715.260390414557	3714.8730639325175	90.35486160547624	90.7418208661173
16	76236	-361041.1413	860377.3170250766	39.23107366783723	-102.0734899	234702.45210140827	4349622.956060092	4015.2325417396984	3803.872633326923	3713.872967673643	3713.367138148381	90.03534656	90.50531571571
17	76237	-360381.1413	860377.3170250766	39.2310825417458	-102.0717011	234903.95666337033	4349618.163951398	4018.2723412234354	3802.113854916317	3712.023961831259	3711.794128	90.047036032723	90.31727396209144
18	76238	-363971.1413	860377.3170250766	39.2311227954444	-102.0688414	235104.799	4349614.068	4007.2728831228904	3800.30728256263	3710.319517	3710.102470606827	90.007819	90.2167802994038
19	76239	-359691.1413	860377.3170250766	39.23114279171666	-102.0668126	235305.8619236702	4349609.87703763	4006.86523148442	3798.5182952638	3708.567433922466	3708.43130474338	90.0110516	90.085160522989
20	76240	-358401.1413	860377.3170250766	39.23117174321269	-102.0641839	235507.04277095317	4349595.07898915	4001.620961245737	3797.684831212523	3706.65529051372	3706.6857005432025	90.029450058626	89.9990763022275
21	76241	-357471.1413	860377.3170250766	39.2311661493484	-102.0618551	235708.16782195247	4349601.783	3998.346200396036	3794.62309960563	3705.58259226131	3705.816108740098	90.0237173434811	89.0909684654312
22	76242	-357081.1413	860377.3170250766	39.2312051069855	-102.0595264	235909.3095300772	4349687.688461968	3995.0716186475247	3792.942417062456	3704.858782329004	3705.564612770985	88.0836374352523	87.37780429
23	76243	-356421.1413	860377.3170250766	39.23124482707048	-102.0571976	236110.4515172437	4349683.693221074	3991.9911205210257	3791.032849923014	3704.005888957066	3705.38431349897	87.262106330749	85.64935679
24	76244	-355761.1413	860377.3170250766	39.2312690846469	-102.0548689	236311.59324290777	4349889.495697979	3989.105040163656	3789.101375814011	3703.0308957003335	3703.0076125007393	86.0748011	84.0307631321745
25	76245	-355101.1413	860377.3170250766	39.2312334889113	-102.0525401	236512.37470566137	4349885.405403077	3986.218876119294	3787.153133600309	3702.147553287183	3704.630976625816	85.0327568715907	82.5221569769321
26	76246	-354441.1413	860377.3170250766	39.23131760319173	-102.0502114	236713.875988926	4349881.31422292	3983.332716457893	3785.187864234452	3700.920992	3704.1782004914334	84.2668277243821	81.0090337501283
27	76247	-353781.1413	860377.3170250766	39.231341642780514	-102.0478828	236915.01865010694	4349877.17280235	3980.7456823376713	3783.205297013033	3699.645461130271	3703.64585149336	83.5596395726692	79.5594319304675
28	76248	-353121.1413	860377.3170250766	39.2313657342332	-102.0455538	237116.15753040734	4349872.124020258	3978.4575005786128	3781.25017764114	3698.2956617622	3702.8488738991572	82.19116144025	78.3184374749384
29	76249	-352461.1413	860377.3170250766	39.231389780768204	-102.0432251	237317.2975000138	4349869.03598392	3976.1969135496267	3779.1890176645584	3696.839071163865	3701.8063165600984	82.349465009348	77.38270110446001
30	76250	-351801.1413	860377.3170250766	39.23141378292508	-102.0408963	237518.4381090935	4349864.93376218	3974.8820913686237	3777.1595748392352	3695.2339155231616	3698.397174563935	81.761807739873	76.781707739873
31	76251	-351141.1413	860377.3170250766	39.23143774	-102.038675	237791.5718078753	4349860.84431196	3971.28771857447	3775.10730940305	3693.6166241839587	3694.61180992462	80.548981091475	75.0258921010475
32	76252	-350481.1413	860377.3170250766	39.2314615042652	-102.0362388	237920.177465804	4349856.751447889	3968.3871647467327	3773.0613113359676	3691.9733802782625	3691.7581004904712	81.0678301193935	78.8418078996412
33	76253	-349821.1413	860377.3170250766	39.2314859170190	-102.0339358	238167.6454330071	4349847.910095444	3964.6764287887818	3772.78613887816	3690.548621851863	3690.743082181157	81.864261948395	79.743082181157
34	76254	-349161.1413	860377.3170250766	39.23150933853465	-102.0315812	238322.9624543558	4349846.56627993	3962.585931053025	3769.890284055395	3688.4676541532265	3693.2419332655407	81.4416225216905	75.6673527795481
35	76255	-348501.1413	860377.3170250766	39.23153311526965	-102.0292525	238524.1351041975	4349844.479347975	3960.1919713118357	3768.18770856664	3686.5372504438994	3693.060493152392	80.2754670442702	73.5221569769321
36	76256	-347841.1413	860377.3170250766	39.23155684967254	-102.0269237	238725.2730458897	4349840.381895231	3958.3040054004717	3764.702234426925	3684.587690765362	3693.051436	80.1145617733064	71.6507964342776
37	76257	-347181.1413	860377.3170250766	39.2315803360711	-102.0245849	238926.4105491675	4349838.21963034	3956.4170958778986	3762.57437369295	3682.52846898737	3691.95202266671	80.048674558186	70.62541509265407
38	76258	-346521.1413	860377.3170250766	39.23160417350831	-102.0222661	239127.5501288315	4349832.18177431	3954.529685	3760.437954720704	3680.2713503525574	3687.884411582946	80.1666043682130	72.52534313782436
39	76259	-345861.1413	860377.3170250766	39.23162772031272	-102.0198374	239328.6879621905	4349826.85781791	3952.6764287887818	3758.2634587290794	3678.982130849719	3686.189162746877	80.321381250828	74.801261948395
40	76260	-345201.1413	860377.3170250766	39.2316521327106	-102.0176088	239520.4151254704	4349820.195103744	3950.757677074057	3756.114519	3676.5534854337	3685.19473740022	80.55348535328	74.920554076072
41	76261	-344541.1413	860377.3170250766	39.23167480541294	-102.0152798	239730.96284268104	4349819.0505078	3948.039319252615	3753.9310043262467	3674.147079419586	3675.60232805176	80.7830248426107	76.3257157102706
42	76262	-343881.1413	860377.3170250766	39.2316982322859	-102.012951	239932.0996776104	4349818.83035911	3947.22061675107	3751.73247993657	3670.7915284912906	3679.725140139826	80.9409511	72.0073754380434
43	76263	-343221.1413	860377.3170250766	39.23172170913742	-102.0106222	240133.23666509975	4349811.74233471	3945.42257294794	3749.518931302679	3668.54856273326	3685.37741303517	80.7330750235291	63.7811569991634
44	76264	-342561.1413	860377.3170250766	39.23174508096742	-102.0082934	240334.3719362962	4349806.615710736	3943.651039993592	3747.290373258143	3666.550460908063	3681.7510859847	80.73776468053472	66.97626465929625
45	76265	-341901.1413	860377.3170250766	39.23176847818834	-102.0059468	240535.5094746782	4349803.561164148	3941.8809791959904	3745.04684	3664.8354474381064	3681.7510859847	80.73776468053472	66.97626465929625
46	76266	-341241.1413	860377.3170250766	39.2317916959152	-102.0036358	240736.6454330071	4349799.470095444	3940.1088439887816	3742.78613887816	3662.01892566965	3681.7510859847	80.73776468053472	66.97626465929625
47	76267	-340581.1413	860377.3170250766	39.2318149255646	-102.0013071	240937.78125574784	4349793.38839222	3937.72489425257	3740.5148473818168	3661.819378851522	3672.357989898263	78.6951064129458	68.18864734
48	76268	-339921.1413	860377.3170250766	39.23183811850058	-101.9997873	241138.19167003464	4349791.291	3934.871811228051	3738.224829305665	3661.07608999879	3669.430443	78.14774323	68.943802
49	76269	-339261.1413	860377.3170250766	39.231861265438655	-101.996495	241340.0520094953	4349787.201250583	3931.9317181382624	3735.9197080891853	3659.753231169807	3672.0317383878425	76.1664763837845	63.88792411971281
50	76270	-338601.1413	860377.3170250766	39.23188437639424	-101.9943207	241541.18700165936	4349783.1711737356	3929.074057995602	3733.5993931698913	3658.451503211476	3672.326355799634	75.1478995841536	61.27303738028778
51	76271	-337941.1413	860377.3170250766	39.23190742	-101.991919	241742.3217362974	4349779.022	3926.2290705994694	3731.264345738573	3657.1790514670324	3670.26479579379	75.0852941670324	58.0023808027798
52	76272	-337281.1413	860377.3170250766	39.23193043672146	-101.989631	241943.4561761546	4349773.33269307	3924.89467290388	3728.91538654041	3656.02130716072	3672.831187599502	72.8883053476894	56.0841994532922
53	76273	-336621.1413	860377.3170250766	39.2319530269359	-101.9873416	242144.581689816	4349767.04189816	3922.912553266865	3726.91892566965	3654.91892566965	3671.7338454178985	72.8883053476894	56.0841994532922
54	76274	-335961.1413	860377.3170250766	39.23197635254054	-101.9850055	242345.72441045084	4349766.75544925	3921.8827775622057	3724.84754587	3654.91892566965	3671.7338454178985	72.8883053476894	56.0841994532922
55	76275	-335301.1413	860377.3170250766	39.2319990249621	-101.9826767	242546.8581237118	4349762.66661856	3915.4621496853216	3721.8714729731437	3654.390566317095	3671.7338454178985	72.8883053476894	56.0841994532922
56	76276	-334641.1413	860377.3170250766	39.23202203	-101.9803479	242747.9815818046	4349758.75846836	3913.42019400728	3719.401851086234	3654.200415914616	3654.86823432065	65.269791430431	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	STSTLog.f	STSTBoth.f
137	1034	76357	-28181.1413	86037.3710250766	39.23372205374188	-101.791701	259038.97343194605	3446428.03539753	379.574264913933	3573.7382054850443	3460.648125634592	3464.9329602527123	113.09012485045241	108.8052903233203
138	1034	76358	-28020.1413	86037.3710250766	39.233741197395005	-101.7939312	259420.08657490267	3446423.562372693	379.330449934714	3572.815757189344	3458.147408991759	3443.934996610151	114.66534472633151	108.78075607393026
139	1034	76359	-27961.1413	86037.3710250766	39.23373843465658	-101.7937623	259441.19696972754	3446419.889391418	378.107664815993	3571.67348020257	3455.97349	3464.3062959317	115.9012300368702	107.5643472714029
140	1034	76360	-27901.1413	86037.3710250766	39.23373749375387	-101.7847234	259402.331266237	3446415.816954048	3756.086795554338	3570.907903123031	3455.1221680738336	3465.0093690916803	115.7635504919723	105.895421313505
141	1034	76361	-27851.1413	86037.3710250766	39.23373835845966	-101.7823495	259843.24248457983	3446411.734864383	3754.065627626658	3569.917007403965	3454.2928478895928	3465.802144081684	115.6241598418037	104.09686275871263
142	1034	76362	-27781.1413	86037.3710250766	39.233736213218268	-101.7800656	260044.5371274568	3446407.61559681	3752.0441702495	3568.897859405426	3454.1610195794747	3463.6871011468357	115.1756838610679	105.1984797200683
143	1034	76363	-27721.1413	86037.3710250766	39.23383624092318	-101.7777366	260245.2649718037	3446403.59931941	3749.99412299347	3567.848046543425	3454.790537420077	3463.68902279587	115.1110240141678	93.20951051546581
144	1034	76364	-27651.1413	86037.3710250766	39.2338511468107	-101.7754077	260446.76097092747	3446399.25276515	3747.93479412287	3567.765224894704	3441.859910253928	3490.559986166575	104.86931464077534	76.20523872812873
145	1034	76365	-27591.1413	86037.3710250766	39.233879843465658	-101.7703768	260647.675493801	3446395.453369587	3745.811789526739	3567.4472278515243	3461.855896947345	3504.811591440412	115.9173390798984	90.8363170748312
146	1034	76366	-27521.1413	86037.3710250766	39.23389277274881	-101.770749	260848.9639	3446391.38371318	3743.792613642905	3564.824904328514	3473.5040045287018	3510.951427753023	105.8945217753023	53.8973476
147	1034	76367	-27451.1413	86037.3710250766	39.233911466058586	-101.7684209	261050.0948017209	3446387.12125016	3741.21923395005	3563.300096766576	3478.327253739318	3505.796531300074	104.9736302725802	57.504373635658744
148	1034	76368	-27391.1413	86037.3710250766	39.233930159885595	-101.766092	261251.2058410384	3446383.24002255	3740.116895710827	3562.027352992704	3482.673129318866	3507.77104621937	79.39862907	60.3524830056376
149	1034	76369	-27321.1413	86037.3710250766	39.23394880872979	-101.7637631	261452.3164651897	3446379.1697748865	3738.06451	3560.064627558907	3485.887920180496	3500.98872828621	74.9185335	59.819734872958634
150	1034	76370	-27261.1413	86037.3710250766	39.23396741259115	-101.7614342	261653.4268457473	3446373.083822485	3731.986412731637	3559.503287839377	3489.27721253379	3512413186695937	70.2260752851866	58.2719871734041
151	1034	76371	-27191.1413	86037.3710250766	39.23398691469615	-101.7591052	261854.37007766518	3446371.02801817	3728.125548685513	3558.1632886895135	3492.1959416919525	3506.500143732398	65.9647469158104	51.6629742325164
152	1034	76372	-27121.1413	86037.3710250766	39.23400448536516	-101.7567763	262055.5480257383	3446369.957048178	3726.5024569021163	3556.787306427174	3494.420048996604	3506.572574814283	62.3663543057354	50.21472161294762
153	1034	76373	-27061.1413	86037.3710250766	39.23402295427778	-101.7544474	262256.756680248	3446362.887118917	3723.372901056755	3555.362566868574	3496.6793367219057	3516.528757898634	62.8949169876917	47.1084109003406
154	1034	76374	-26991.1413	86037.3710250766	39.23404137820741	-101.7521184	262457.8660557042	3446358.816912931	3721.3822794091267	3553.93243554347	3498.037523830084	3512.6475944595	58.6911660733054	37.5066409379999
155	1034	76375	-26931.1413	86037.3710250766	39.234059757154014	-101.7497895	262658.9752683109	3446354.747	3717.9035105497014	3552.465773461537	3498.8865059181225	3516.33136679497	53.58826754341453	36.1254066654013
156	1034	76376	-26861.1413	86037.3710250766	39.23407800111757	-101.7474066	262860.084262721	3446350.677073032	3715.536063	3550.9514800757077	3499.602490129737	3515.4528	51.34854804597083	35.5308886270785
157	1034	76377	-26791.1413	86037.3710250766	39.23409630098094	-101.7451316	263061.1928997394	3446346.60742382	3709.1686146044394	3549.418995266538	3499.861342206215	3514.23396845126	50.7552599601656	35.1793683337401
158	1034	76378	-26721.1413	86037.3710250766	39.23411462409536	-101.7428027	263262.1014908015	3446342.538	3707.80116663189	3547.860711535094	3499.49573637187	3513.914896897985	48.36497147616254	34.4417601561099
159	1034	76379	-26651.1413	86037.3710250766	39.2341323109565	-101.740478	263467.7962453164	3446338.483694868	3706.601419452108	3547.6105911426116	3498.592452545987	3499.271064217807	46.38297036251474	32.05522954291124
160	1034	76380	-26580.1413	86037.3710250766	39.2341509714955	-101.7381488	263664.5179157399	3446334.399042338	3698.11676933233	3544.638444802766	3498.815641654137	3514.87936936286	44.01900314862905	29.8034841900657
161	1034	76381	-26511.1413	86037.3710250766	39.23416906197305	-101.7358159	263865.6257	3446330.37007786	3696.11936971445	3543.0685817272656	3499.6436276548957	3515.60192	43.42465712987612	27.46661682015456
162	1034	76382	-26441.1413	86037.3710250766	39.23418715026178	-101.7334869	264066.7332975545	3446326.16182612	3692.1260210789804	3541.4388730303785	3499.257634100728	3513.50230390797	42.1812382965059	27.93659122405672
163	1034	76383	-26401.1413	86037.3710250766	39.23420516934296	-101.731158	264267.8406391456	3446322.19347915	3690.327340609222	3539.795493424424	3498.174452593484	3512.949512926563	40.8642214789612	26.84624214987612
164	1034	76384	-26361.1413	86037.3710250766	39.23422314344082	-101.728829	264468.8477473373	3446318.12510208	3689.7399156354304	3538.140383541115	3497.2418615025163	3513.934675365191	40.89852204259523	24.19359817992073
165	1034	76385	-26321.1413	86037.3710250766	39.23424107	-101.7265061	264670.556227222	3446314.056839715	3688.152465078426	3536.474560778426	3498.751967361787	3510.292678499168	42.8994146728612	23.19322761760712
166	1034	76386	-26281.1413	86037.3710250766	39.23425931895173	-101.7241711	264875.1612553929	3446308.95892599	3686.556298952599	3534.7939897129	3497.10387832502	3506.103275107137	42.8994146728612	22.6840538711553
167	1034	76387	-26131.1413	86037.3710250766	39.23427679583408	-101.7218422	265072.7667592516	3446305.921170728	3688.71157671363	3533.1164003267563	3489.289676702479	3504.8377626175197	43.8264235427718	22.278637023659
168	1034	76388	-26071.1413	86037.3710250766	39.234294589982624	-101.7195132	265273.3785414855	3446301.85356044	3686.55626612299	3531.426514742427	3486.7876091671604	3501.877342168274	43.68905612486724	21.94486048995434
169	1034	76389	-26001.1413	86037.3710250766	39.234312339178885	-101.7171843	265474.4798003937	3446297.781642696	3680.472375553216	3529.7305659875974	3485.196282351584	3500.665073068069	45.53428363601324	20.96549291528424
170	1034	76390	-25940.1413	86037.3710250766	39.23433034376154	-101.7148553	265675.585514695	3446293.719	3681.3504440491314	3528.0291153397006	3485.7812032475026	3500.582516389666	46.7801209219602	20.28057317853317
171	1034	76391	-25871.1413	86037.3710250766	39.23434770259975	-101.7125284	265876.6909977738	3446289.651855559	3683.065489332093	3526.225375613006	3484.215657844858	3499.351958492407	41.10687911644256	26.9710081025349
172	1034	76392	-25801.1413	86037.3710250766	39.23436518195173	-101.7101674	266076.5264913164	3446285.1344464	3680.601173447288	3524.6105911426116	3498.592452545987	3499.271064217807	40.3883055775922024	25.7886175522024
173	1034	76393	-25742.1413	86037.3710250766	39.2343828606611	-101.7078865	266278.9012697013	3446281.05309621	3678.139783893317	3522.8393505937457	3485.14085473165	3501.94166363401	37.75271984	22.6993983081617
174	1034	76394	-25671.1413	86037.3710250766	39.23440041032883	-101.7055395	266480.006591334	3446277.45181393	3700.67759193077	3521.173906274093	3485.360922043055	3501.47305732406	38.8121473068756	21.02579041625156
175	1034	76395	-25610.1413	86037.3710250766	39.23441788960784	-101.7032106	266681.110617818	3446273.386	3701.179591149682	3519.4514314549588	3485.562982832005	3499.890524279302	38.8121473068756	20.96549291528424
176	1034	76396	-25541.1413	86037.3710250766	39.23443532390313	-101.7008816	266882.214456592	3446269.319378773	3699.6440905962325	3517.729288287946	3485.196282351584	3500.665073068069	45.53428363601324	20.96549291528424
177	1034	76397	-25471.1413	86037.3710250766	39.23445271321464	-101.6985826	267086.3190347689	3446265.234389645	3698.11000530179	3516.00737455241	3487.319129138176	3500.582516389666	46.7801209219602	20.28057317853317
178	1034	76398	-25412.1413	86037.3710250766	39.23447005742436	-101.6962327	267284.2291414427	3446261.18784425	3696.570550572553	3514.243806960823	3487.319129138176	3500.582516389666	46.7801209219602	20.28057317853317
179	1034	76399	-25351.1413	86037.3710250766	39.234487746896224	-101.6939178	267485.5264913164	3446257.3144464	3694.601173447288	3512.6105911426116	3498.592452545987	3499.271064217807	40.3883055775922024	25.7886175522024
180	1034	76400	-25280.1413	86037.3710250766	39.23450461124624	-101.691658	267686.6299572158	3446253.0570318	3692.7623935055	3510.83687181696	3485.14085473165	3501.94166363401	37.75271984	22.6993983081617
181	1034	76401	-25211.1413</											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft	
263	104	76483	-198021.1413	86037.3172025076	39.23577990634224	-101.4982583	284377.4324710851	4345916.274551908	327.424114	337.1988848951836	3386.943077467307	3400.432906028877	0	0	
264	104	76484	-197361.1413	86037.3172025076	39.236793318194567	-101.4959292	284578.7513146642	4345912.224649374	3534.742921646849	3373.1687518177923	3384.729604449456	3397.822612395148	0	0	
265	104	76485	-197271.1413	86037.3172025076	39.23689615217655	-101.4969602	284779.601849363	4345908.175217377	3523.061728961477	3373.1133689069683	3382.04036639982	3394.9673481491084	0	0	
266	104	76486	-196041.1413	86037.3172025076	39.23520180251018	-101.4912711	284890.686515731	4345904.125532896	3529.380536710649	3371.034759612007	3379.0411872551695	3390.8135052509514	0	0	
267	104	76487	-195381.1413	86037.3172025076	39.2358333885342	-101.4889421	285181.77052748104	4345900.076	3527.585610144734	3368.9348885495547	3375.9093726810825	3379.828177713285	0	0	
268	104	76488	-194721.1413	86037.3172025076	39.2358386451526	-101.486613	285382.85648612964	4345906.027109469	3526.6765106541334	3366.8161305416334	3372.241901381393	3383.610404	0	0	
269	104	76489	-194061.1413	86037.3172025076	39.235838608519064	-101.484284	285583.9383523083	4345891.97174507	3525.768292	3364.681109959867	3368.5942891503086	3379.828177713285	0	0	
270	104	76490	-193401.1413	86037.3172025076	39.23587329087958	-101.4819549	285730.9129252073	4345887.92944037	3524.853929130373	3362.53678054968	3366.07209681143	3376.261716713965	0	0	
271	104	76491	-192741.1413	86037.3172025076	39.23589615217655	-101.4796259	285866.105297073	4345883.868658918	3526.373816166442	3360.373816166442	3364.02269899955	3372.13778191992	0	0	
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274	104	76494	-190761.1413	86037.3172025076	39.235925663722258	-101.4726387	286589.5941082474	4345871.736266919	3517.6260333020155	3353.8553712846406	3354.6990558383585	3365.290712769835	0	0	
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282	104	76502	-185481.1413	86037.3172025076	39.2360255019384	-101.4540063	288198.0083961361	4345839.48580197	3517.81049557495	3336.6189130461394	3335.8245627588594	3332.64303468538	0	9.8738763801873275	
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289	104	76509	-180861.1413	86037.3172025076	39.23611565151516	-101.4377028	289605.5700248505	4345813.0326424	3506.883161496567	3322.08018227761	3313.410587902428	3316.22072424416	8.6996890325	0	9.98798938255897
290	104	76510	-180201.1413	86037.3172025076	39.23612795746973	-101.4353738	289806.6494331585	4345806.931441198	3505.011046070596	3320.064494929512	3309.43014827745	3311.5536811177253	10.623460565206235	0	8.502633875
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293	104	76513	-178221.1413	86037.3172025076	39.23616465311805	-101.428386	290390.8863657693	4345794.85903487	3497.25570859341	3314.073933659541	3301.5412212668107	3304.686501642452	13.73271809913307	0	9.87437734488802
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304	104	76524	-170961.1413	86037.3172025076	39.23629552	-101.4027668	292621.7392651555	4345750.361624533	3481.28331975648	3293.28870796496	3276.23200316557	3273.3106686227	17.05507436398072	0	19.95710174286098
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307	104	76527	-168981.1413	86037.3172025076	39.236330275672515	-101.3957795	293224.967572888	4345738.25529309	3476.44843159099	3287.931521085349	3269.712488775276	3262.738036184202	18.19203370107635	0	25.1934849104676
308	104	76528	-168321.1413	86037.3172025076	39.236341717858164	-101.3934504	293426.0432740453	4345734.123357696	3475.927414153336	3286.1707193027373	3267.689449138527	3261.641576968463	18.43704779547925	0	25.1934849104676
309															

ix	iy	x	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
38	7609	-114861.1413	86037.3170250766	39.237123585070024	-110.2047829	30972.518	34545.40743188459	3313.440722688415	313.85808135566563	3103.4804574124973	3113.0470717390107	30.3235614406895	40.76179581755594
390	7610	-114201.1413	86037.3170250766	39.23713125562268	-110.2024366	30993.31375172684	34545.4031625447	3315.2043753505248	3101.8614228260948	3109.0994485421083	3109.0994485421083	42.3062908013969	42.3062908013969
391	7611	-113641.1413	86037.3170250766	39.23713912788454	-110.2001345	3101.1443572462930	34539.3900237968	3317.437036934033	3105.419738651428	3105.419738651428	3105.419738651428	43.5447385380817	43.5447385380817
392	7612	-112881.1413	86037.3170250766	39.237146845472366	-110.1978054	3103.351696521635	34539.3637308005	3314.450241551959	3146.49020552731	3108.8536992830027	3104.0340588450474	47.63560524435816	45.41654658205965
393	7613	-112221.1413	86037.3170250766	39.23715451676335	-110.1954762	3105.6175727559	34539.3137271717	3313.3597426683947	3143.967465790306	3109.3983847946233	3102.8526712241812	46.5890809568271	41.1347945661797
394	7614	-111561.1413	86037.3170250766	39.23716214396441	-110.1931471	3107.71748688447	34539.3136888173	3312.26520965191	3141.459189217602	3095.9072873787118	3100.9841961059676	45.4519013889044	40.474398711836315
395	7615	-110901.1413	86037.3170250766	39.23716972617658	-110.190818	3109.8187646749357	34539.3826593979	3310.313971540854	3138.9087611089585	3094.563141276574	3100.072524347909	44.56345198323473	38.83623674104395
396	7616	-110241.1413	86037.3170250766	39.2371773339983	-110.188488	3111.919320611026	34539.75923073945	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	43.0506711471225	38.0893422976911
397	7617	-109681.1413	86037.3170250766	39.23718475363467	-110.1861597	3113.92064984754	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	41.85867729126247	37.46241240230118
398	7618	-109021.1413	86037.3170250766	39.23719220287937	-110.183836	3115.922408992187	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	35.4154340801915	35.4154340801915
399	7619	-108261.1413	86037.3170250766	39.237199605135686	-110.1815014	3117.12371067313379	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	33.757551967134	30.01671278423247
400	7620	-107601.1413	86037.3170250766	39.237206962402986	-110.1791723	3119.264165852373	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	31.96105051266285	28.780270064446294
401	7621	-106941.1413	86037.3170250766	39.23721427468132	-110.1768432	3121.252225472145	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	29.32622037634356	30.31326024925992
402	7622	-106281.1413	86037.3170250766	39.237221541970584	-110.174514	3123.267297399677	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	28.3332604907865	28.3332604907865
403	7623	-105621.1413	86037.3170250766	39.23722874627083	-110.1721849	3125.27330412657	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	26.97778168	26.97778168
404	7624	-104961.1413	86037.3170250766	39.23723594158204	-110.1698557	3127.2839415873453	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	25.403810189844	25.403810189844
405	7625	-104301.1413	86037.3170250766	39.23724307390417	-110.1675266	3129.294510926886	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	23.53401158677015	22.16983541390205
406	7626	-103641.1413	86037.3170250766	39.237250161273235	-110.1651975	3131.3015078430521	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	21.85805373933528	21.85805373933528
407	7627	-102981.1413	86037.3170250766	39.23725720358119	-110.1628883	3133.3156410307	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	19.7810711524383	19.7810711524383
408	7628	-102321.1413	86037.3170250766	39.23726420093614	-110.1605392	3135.326207947079	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	15.01961164009434	14.486231323087169
409	7629	-101661.1413	86037.3170250766	39.23727117303179	-110.158201	3137.33768996254	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	13.6423041409891513	15.645202615846867
410	7630	-101001.1413	86037.3170250766	39.2372780067842	-110.1558809	3139.3735152215	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	11.86484135425266	18.316723695269168
411	7631	-100341.1413	86037.3170250766	39.23728491638586	-110.1535618	3141.357885162845	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	9.394061915827194	34.87380911311386
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413	7633	-99021.1413	86037.3170250766	39.23729851	-110.1488938	3145.378997875835	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	5.00951951234823	19.9564068426781
414	7634	-98361.1413	86037.3170250766	39.23730524023246	-110.1465643	3147.38495526947	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	2.99763430843388	22.880758019212254
415	7635	-97701.1413	86037.3170250766	39.2373119227401	-110.1442352	3149.401037688747	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	0.9373478356961	23.736802940711954
416	7636	-97041.1413	86037.3170250766	39.23731856016882	-110.1419061	3151.4410654064787	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	44.2457316031422	24.54838347665834
417	7637	-96381.1413	86037.3170250766	39.23732515382116	-110.139578	3153.42719351276	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	25.36196184777503	25.36196184777503
418	7638	-95721.1413	86037.3170250766	39.237332008456	-110.1372478	3155.4317478977	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	22.97180973735	26.77886287316796
419	7639	-95061.1413	86037.3170250766	39.2373382055805	-110.1349186	3157.4424291040262	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	20.37307456047237	27.8735519332873
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422	7642	-93081.1413	86037.3170250766	39.23735744004391	-110.1279312	3163.49731768772	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	14.32005961057983	32.42805961057983
423	7643	-92421.1413	86037.3170250766	39.2373637625064	-110.1256021	3165.4848484107395	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	12.332248318606452	33.82248318606452
424	7644	-91761.1413	86037.3170250766	39.2373706286586	-110.123279	3167.4962556746	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	10.369406195271994	34.87380911311386
425	7645	-91101.1413	86037.3170250766	39.23737762262613	-110.1209438	3169.55016536532	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	8.36203932468776	36.923937169635
426	7646	-90441.1413	86037.3170250766	39.23738460147885	-110.1186146	3171.50164756274	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	6.372076845379925	38.706187041702
427	7647	-89781.1413	86037.3170250766	39.2373886	-110.1162855	3173.56270782822	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	4.361483530149574	40.20050809134973
428	7648	-89121.1413	86037.3170250766	39.23739470038058	-110.1139563	3175.637104706136	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	2.35782053121845	42.35045373494537
429	7649	-88461.1413	86037.3170250766	39.23740072850535	-110.1116272	3177.637605967115	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	0.36456795294523	44.26446795294523
430	7650	-87801.1413	86037.3170250766	39.2374067047639	-110.109298	3179.651475057129	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	36.923932468776	39.237937169635
431	7651	-87141.1413	86037.3170250766	39.23741287362816	-110.106984	3181.6631921207	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	34.87380911311386	40.20050809134973
432	7652	-86481.1413	86037.3170250766	39.2374186406908	-110.1046397	3183.67195718705	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	32.7076845379925	42.7076845379925
433	7653	-85821.1413	86037.3170250766	39.23742451	-110.1023106	3185.687916332094	34539.7596855655	3307.493909150474	3136.391782566014	3093.288507109489	3093.288507109489	30.6203932468776	44.26446795294523
434	7654	-85161.1413	86037.3170250766	39.23743034	-110.0999814	3187.68023319473	34539.7596855655	3307.493909150474	3136.				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ls	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
641	74861	51458.85867307335	86037.37170250766	39.237686117878595	-106.178437	360734.2081373507	4344398.506828336	2913.7520299652985	2758.67006199442	2725.514448482101	2724.028225637589	33.15557711	34.6413836553085
642	74862	5118.85867307335	86037.37170250766	39.23765458690044	-106.1155145	36095.27733554573	4344394.562158061	2912.312467190549	2757.1632719775757	2722.230846719719	2721.2623312109454	34.9328757086552	35.901397863636
643	74863	5273.85867307335	86037.37170250766	39.23768101332327	-106.131853	36076.2463961246	4344390.546942326	2910.58476849693215	2756.42058236232	2719.1587487667314	2718.1587487667314	36.5045861339279	37.5845861339279
644	74864	53438.85867307335	86037.37170250766	39.23765739307445	-106.10852	36096.560723865457	434396.565361847	2908.56907425622	2754.16602245522	2716.068133120932	2715.953096	38.0981210512164	38.213176213653696
645	74865	54098.85867307335	86037.37170250766	39.23765372782668	-106.608527	36117.88242324993	4343382.585235897	2906.55335339921	2752.673120538476	2712.923821451761	2712.9925150189742	39.74829689071493	39.68060551950157
646	74866	54758.85867307335	86037.37170250766	39.237650017589054	-106.601978	36131.979373850844	4343376.605291371	2904.537633	2751.182430642675	2710.344304502326	2708.462126293606	40.38412963	40.558909012706864
647	74867	55418.85867307335	86037.37170250766	39.23764626236156	-106.603887	361580.3213099287	4343376.625825257	2898.59897554	2749.690373333538	2708.25120950487	2707.8606746010356	41.418727296122	41.83239632052349
648	74868	56078.85867307335	86037.37170250766	39.23764246214424	-106.601539	361781.33970241935	4343470.546945633	2896.599952746927	2748.205463463244	2706.616799726124	2705.9343931562025	41.5886637222855	43.1705729814176
649	74869	56738.85867307335	86037.37170250766	39.2376391693707	-106.5992104	361892.56796128533	4343366.695546244	2896.599952746927	2748.205463463244	2706.616799726124	2705.9343931562025	41.5886637222855	43.1705729814176
650	74870	57398.85867307335	86037.37170250766	39.2376373473	-106.596812	362183.7670867254	4343362.887327325	2892.029355649897	2745.205440951757	2705.9343931562025	2705.9343931562025	39.2490074482375	39.2490074482375
651	74871	58058.85867307335	86037.37170250766	39.23763079155327	-106.594552	362384.39407895005	4343358.708897585	2888.548670261515	2743.782015528979	2706.00522790548	2706.15583389491	37.775492734124	37.62234213366026
652	74872	58718.85867307335	86037.37170250766	39.2376281137665	-106.5922229	362585.4119	4343354.729433618	2884.878761321408	2742.3193801071046	2703.85673653209	2703.907167330215	38.4606444176575	38.41251074089549
653	74873	59378.85867307335	86037.37170250766	39.2376227862103	-106.5898937	362786.42966456857	4343350.75078813	2881.2088220073248	2740.861697927598	2699.8832869632449	2699.8832869632449	40.373692312661	40.32192258
654	74874	60038.85867307335	86037.37170250766	39.23761816054016	-106.587545	362987.4472583714	4343346.72265362	2877.538878731395	2739.408717679707	2696.047113300996	2695.80038902598	43.3616603490752	43.60810074710928
655	74875	60698.85867307335	86037.37170250766	39.2376146095081	-106.5852534	363188.4649179757	4343346.73935235	2875.919167163245	2737.9602597296634	2693.313626723214	2691.6722558595421	46.84662998548201	46.84662998548201
656	74876	61358.85867307335	86037.37170250766	39.237610440772	-106.582921	363389.480249881	4343343.81822486	2870.340885317424	2736.516411537165	2690.04027	2688.551178138457	47.4671847285412	47.4671847285412
657	74877	62018.85867307335	86037.37170250766	39.23760623646645	-106.580571	363590.4902462095	4343343.86701038	2866.76634731622	2735.0722499292	2688.0429023506836	2685.395796113509	49.4342264323425	49.48142987486295
658	74878	62678.85867307335	86037.37170250766	39.23760196553134	-106.5782479	363791.516317467	4343338.89104915	2863.1897216258124	2733.642655137143	2682.969271906483	2682.969271906483	50.6733822471595	51.16229996849026
659	74879	63338.85867307335	86037.37170250766	39.23759769042624	-106.5759187	363992.5324554054	4343326.88251897	2858.033553196378	2732.21269318124	2680.25159944862	2680.1054710304354	51.997731866215	52.157712238876
660	74880	63998.85867307335	86037.37170250766	39.23759350331395	-106.5735896	364193.5500479865	434322.905112759	2859.447104183158	2730.7882369661126	2677.95161425814	2677.95161425814	52.85649710237203	52.85649710237203
661	74881	64658.85867307335	86037.37170250766	39.2375896542684	-106.5712604	364394.5867193031	434318.9788839	2858.143853127907	2729.3691816632524	2676.240418966807	2676.240418966807	53.1251428765717	53.2750537304963
662	74882	65318.85867307335	86037.37170250766	39.237585517281	-106.5689312	364595.595595196	434314.95084515	2856.84005127501	2727.955831631495	2675.208145039457	2675.392204304357	52.963732582612	52.963732582612
663	74883	65978.85867307335	86037.37170250766	39.237581480451	-106.566621	364796.6060108465	434310.9382747	2854.9378936747	2726.4144982869834	2674.781974424592	2674.781974424592	53.15704519685374	53.15704519685374
664	74884	66638.85867307335	86037.37170250766	39.2375754005471	-106.5642729	364967.615948272	434306.93703341	2856.980166819181	2725.14758022405	2674.059079410005	2674.596851519422	53.048601833222	53.0586920591262
665	74885	67298.85867307335	86037.37170250766	39.2375709501125	-106.5619438	365198.6320696305	434303.020804195	2857.05029591221	2723.74213561916	2673.3822251801225	2673.596848181944	53.0680188319425	53.14055187272138
666	74886	67958.85867307335	86037.37170250766	39.23756636	-106.5596146	365399.6841154873	434299.04486295	2858.034034738614	2722.341466227167	2672.289042	2672.405365382148	50.50240378	49.8783080080647
667	74887	68618.85867307335	86037.37170250766	39.237561709955266	-106.5572855	365600.6604004803	434295.06834936	2857.149995340123	2720.9417352400824	2670.858721376122	2670.89187172353605	50.0498635142189	50.0498635142189
668	74888	69278.85867307335	86037.37170250766	39.237560700942734	-106.5549633	365801.6779632503	434291.09234004	2856.847684401973	2719.542526717085	2669.310630403483	2669.057728113667	50.21626376736585	50.44825860341786
669	74889	69938.85867307335	86037.37170250766	39.237556226484051	-106.5526271	366002.6952262794	434287.116819891	2856.804255466234	2718.924745728427	2668.025194286634	2667.51245349634	50.115704519685374	50.115704519685374
670	74890	70598.85867307335	86037.37170250766	39.2375517948485	-106.5502938	366203.71948485	434283.11620993	2856.719315162237	2717.931516127237	2666.049492354013	2665.0261955145784	48.69418811672515	48.69418811672515
671	74891	71258.85867307335	86037.37170250766	39.23754643996714	-106.5479688	366404.7260312275	434279.165615195	2854.956429	2715.338484841836	2667.2320982844616	2671.726325900242	50.7863194927203	50.7863194927203
672	74892	71918.85867307335	86037.37170250766	39.237543779959566	-106.5456397	366605.7415057624	434275.190384591	2854.01018179988	2713.928186143894	2667.74360058692	2676.922484180994	36.19580805023336	37.00575725794966
673	74893	72578.85867307335	86037.37170250766	39.23753284	-106.5433105	366806.7567182381	434271.215333198	2857.06456945246	2712.518664646448	2663.384213596663	2663.088131295634	39.7898699778902	39.7898699778902
674	74894	73238.85867307335	86037.37170250766	39.23752786508224	-106.5409814	367067.7717029687	434267.20446955	2858.118621093485	2711.105756814203	2660.307418884405	2660.598030730573	21.7983379204703	21.7983379204703
675	74895	73898.85867307335	86037.37170250766	39.2375228014216	-106.538652	367208.785995936	434263.265777879	2858.144526379334	2709.6888958053585	2659.029447013162	2659.793693495449	44.65944149	44.65944149
676	74896	74558.85867307335	86037.37170250766	39.23751779212515	-106.536323	367409.8012871716	434259.247219185	2858.144526379334	2708.924745728427	2658.025194286634	2657.51245349634	48.69418811672515	48.69418811672515
677	74897	75218.85867307335	86037.37170250766	39.2375126899369	-106.5339393	367610.8158881475	434255.316947188	2858.13936536629	2707.804851446462	2700.28372188636	2700.255240102166	51.2551295050716	51.2551295050716
678	74898	75878.85867307335	86037.37170250766	39.23750753538473	-106.5316647	367811.830360888	434251.34880376	2852.13723589928	2705.804652421257	2697.3819706073516	2696.2599278315315	50.2689235	50.2689235
679	74899	76538.85867307335	86037.37170250766	39.23750230448593	-106.5293356	368012.8447614046	434249.32601576	2850.861879	2703.960442525734	2692.3496751845096	2690.01369498996	51.6163990683661	51.6163990683661
680	74900	77198.85867307335	86037.37170250766	39.23749710059792	-106.5270673	368218.8589241135	434243.39505709	2857.17825933633	2702.5216264076025	2686.88491485145332	2685.380212	51.6367151549294	51.74141438192446
681	74901	77858.85867307335	86037.37170250766	39.23749181572034	-106.5247614	368414.8703150071	434239.421449545	2853.593246423266	2701.065768	2681.582059379362	2680.90502826734	51.68470888170788	51.68470888170788
682	74902	78518.85867307335	86037.37170250766	39.2374846583233	-106.5223481	368615.8895790328	434235.48404929	2848.901199913527	2699.640357032537	2676.834713302493	2696.4895499116318	22.768503420436	30.114375915934584
683	74903	79178.85867307335	86037.37170250766	39.23747841192677	-106.520029	368819.9138875	434231.5582747	2847.9781990871	2698.7478190871	2675.8127581	2675.8127581	32.7326637979	32.7326637979
684	74904	79838.85867307335	86037.37170250766	39.23747591153035	-106.5176889	369019.9457228026	434227.501745259	2846.36958623638	2696.604269755617	2675.19707511563	2675.19707511563	35.06100234644785	35.06100234644785
685	74905	80498.85867307335	86037.37170250766	39.2374702631466	-106.5153607	369218.9281191676	434223.52869366	2845.22202604333	2695.144237885653	2666.06133			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.N	UTM.Y	SurfElev.	W.Lt.	BREIEvLogskg.ft	BREIEvBothkg.ft	SatHtLogskg.ft	SatHtBoth.ft
27	105	76987	-353781.1413	861037.3170250766	39.23315417909157	-102.0479136	3369.11971497754	340470.815228884	3978.032326319633	372.22668690918127	3698.078413037169	3703.262875727205	84.14845605	78.96399381460787
28	105	76988	-353121.1413	861037.3170250766	39.233178271186695	-102.0459848	3370.2125840141496	340470.418425008	3975.791117257214	370.215627830085	3696.673988821238	3702.610254439331	84.31639301	78.05329236360217
29	105	76989	-352461.1413	861037.3170250766	39.23323320343956	-102.0459848	3373.21396671514	340470.334747654	3973.545492739167	370.1891615593453	3695.240083362492	3699.937186178114	82.94507176935505	78.1442937968389
30	105	76990	-351801.1413	861037.3170250766	39.23326230043956	-102.0409271	3375.22538921397	340470.231265509	3971.3068679370166	376.1493439181395	3695.782100836826	3706.6014294304035	82.36743038131352	79.54831848720596
31	105	76991	-351141.1413	861037.3170250766	39.2332627076913	-102.0385983	3377.23783973279	340762.137949802	3968.961921703517	374.0599534155304	3692.317438759763	3693.8971824993805	81.77851466	80.19877092
32	105	76992	-350481.1413	861037.3170250766	39.2332741897875	-102.0362695	3379.2478182719257	340762.137949802	3967.5312041725546	374.027848453704	3690.785142499048	3693.254599400897	81.23462435	78.73285444500474
33	105	76993	-349821.1413	861037.3170250766	39.2332626986705	-102.0339406	3381.2593271072717575	340762.137949802	3964.0932865519335	376.9476527115826	3689.1862335092137	3695.91975282365	81.76141920236887	77.26845743
34	105	76994	-349161.1413	861037.3170250766	39.23323187920051	-102.0316118	3383.2709595248246	340749.0859	3961.655368979321	367.852391144268	3687.35276260262	3692.9384254239726	80.49962851216424	74.9135669025346
35	105	76995	-348501.1413	861037.3170250766	39.23323187920051	-102.0292583	3385.2816810711919	340749.0859	3959.8110513073975	375.8414923271581	3685.208285731827	3693.2736146968135	80.2634211289055	72.468992704043125
36	105	76996	-347841.1413	861037.3170250766	39.23323187920051	-102.0269541	3387.2937342049887	340741.672241936	3957.3110507403237	376.6181421155949	3683.500481596337	3694.264545431704	80.11776011629453	69.5537291246953
37	105	76997	-347181.1413	861037.3170250766	39.23333037589525	-102.0246253	3389.5011172414031	340743.58203144	3955.227477143803	376.1478567	3681.388204757249	3696.5871736630916	80.09036245581137	64.8903835
38	105	76998	-346521.1413	861037.3170250766	39.23341671829158	-102.0222695	3391.3164906177077	340743.049035228	3953.143907244722	375.93236350242586	3679.0360270117003	3698.3569129988102	80.2870819255831	60.9695604347638
39	105	76999	-345861.1413	861037.3170250766	39.2334031561408	-102.0199676	3393.276699108823	340742.0938	3950.961817446122	375.153774479452	3676.5983085067133	3695.1336981802672	80.54539688063188	68.02050827
40	105	77000	-345201.1413	861037.3170250766	39.23343836795699	-102.0176388	3395.3324062567	340742.053693335	3948.681215875058	375.49102789365	3674.110278436306	3691.076573465738	80.8588314573444	73.892523432363024
41	105	77001	-344541.1413	861037.3170250766	39.23346737520208	-102.01531	3397.3501611959085	340742.151026513	3946.406143178168	375.2769152435785	3671.701423778739	3674.655095934391	81.767289646393	78.11330981
42	105	77002	-343881.1413	861037.3170250766	39.23346737520208	-102.0129811	3399.361980312901	340717.123897011	3944.120017243613	375.0353893436624	3669.398151357678	3674.971271863694	81.1587800678626	75.58242177971086
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44	105	77004	-342561.1413	861037.3170250766	39.233553763	-102.0083234	3403.384709681023	340740.941946773	3939.891488503328	374.67623215527386	3665.144708230214	3681.406713529574	81.0533396541713	64.66862180276303
45	105	77005	-341901.1413	861037.3170250766	39.23360954876055	-102.0059946	3405.369105104485	340740.851250743	3937.833428344899	374.314252373115	3663.328884086372	3677.4132964093	80.48136432347792	66.4009730162229
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47	105	77007	-340581.1413	861037.3170250766	39.233627474924965	-102.0013398	3409.417844484042	340996.670417524	3933.9858503088	373.29242434720876	3660.3910834196213	3669.343985242284	78.851371105262	69.98494846893573
48	105	77008	-339921.1413	861037.3170250766	39.2336506742655	-101.999008	3401.1134107559453	340996.502802325	3931.184396520799	373.361592662172	3660.38989111556	3667.547014477774	77.34266751015623	69.4745851439486
49	105	77009	-339261.1413	861037.3170250766	39.2336506742655	-101.996404	3403.9612562222	340996.4803213007	3928.814523414922	373.2746942746933	3658.810367321303	3669.140637458982	78.2861144924098	59.12930711550231
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatTKLogS.ft	SatTKBoth.ft
153	107	7113	-270621.1413	861037.3170250766	39.25835558737705	-101.7544711	262260.832932781	4345664.151095338	3725.1894860837006	3553.9639887284195	3493.0778302743115	3514.051219	39.07615845410801	39.90276972854963
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156	104	7116	-268641.1413	861037.3170250766	39.25890869978984	-101.7474841	262864.1603202245	4345651.1602561154396	3715.1602561154396	3541.6512068177711	3494.8412539539473	35.1056877489367	37.20602701294157	37.20602701294157
157	103	7117	-267981.1413	861037.3170250766	39.2590908642432	-101.7451155	263065.2689024463	4345647.870481614	3710.8355454891033	3548.1136458761977	3495.50900008866	35.10365549548412	37.20602701294157	37.20602701294157
158	102	7118	-267321.1413	861037.3170250766	39.25927227308839	-101.7428261	263266.2727186775	4345643.6009719199	3705.10852962381	3546.5880715369003	3495.532318366172	35.094381730283084	37.20602701294157	37.20602701294157
159	101	7119	-266661.1413	861037.3170250766	39.2595453062314	-101.7404971	263467.4853008668	4345639.371287856	3703.154429450887	3545.04203205391	3495.3831780058447	35.10605931559307	37.20602701294157	37.20602701294157
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171	89	7131	-258741.1413	861037.3170250766	39.2616032	-101.7125491	265880.7642709912	4345604.912	3697.581259654027	3525.5059182126315	3482.752201714973	34.999492146795839	37.20602701294157	37.20602701294157
172	88	7132	-258081.1413	861037.3170250766	39.2617739981935	-101.71022	266081.860626541	4345604.84409123	3698.33012309561	3523.83119844376	3482.750778780082	34.999492146795839	37.20602701294157	37.20602701294157
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194	66	7154	-243561.1413	861037.3170250766	39.2655407168576	-101.6589818	270506.122368932	4345607.315449496	3696.05405189123	3503.6397737930747	3503.6397737930747	35.10512898462542	37.20602701294157	37.20602701294157
195	65	7155	-242901.1413	861037.3170250766	39.2657068170338	-101.6566586	270708.3217984197	4345603.98926787	3696.05405189123	3503.6397737930747	3503.6397737930747	35.10512898462542	37.20602701294157	37.20602701294157
196	64	7156	-242241.1413	861037.3170250766	39.26587318673951	-101.6543234	270908.3217984197	4345603.98926787	3696.05405189123	3503.6397737930747	3503.6397737930747	35.10512898462542	37.20602701294157	37.20602701294157
197	63	7157	-241581.1413	861037.3170250766	39.266038	-101.6519944</								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
279	1075	72329	-187461.1413	861037	3170250766	39.237802772148804	-01.4610099	287598.817045656	3446052.75327321	3520.392156393825	3344.781980510515	3340.787561	31213888.34614352	417978831269717
280	105	72240	-186801.1413	861037	3170250766	39.23781552826046	-01.4580808	287799.8962354524	3446048.68529983	3520.372595783056	3343.7500399677	3341.530748	332760607273839	5122709316028723
281	105	72241	-186141.1413	861037	3170250766	39.23782635946539	-01.4636316	288009.978641224	3446044.461331198	3520.352963144458	3339.8689709078	3339.8689709078	3334.75354549684	538154331121014
282	105	72242	-185481.1413	861037	3170250766	39.23784090562685	-01.4590225	288202.0602560166	344604.5945901	3520.333665052606	3338.564581486156	3338.564581486156	3332.832341010324	2209204017681259
283	105	72243	-184821.1413	861037	3170250766	39.237853362810376	-01.4516934	288403.140678488	3446036.54803412	3519.211273896537	3336.4462389232085	3333.2717551678766	3331.4715811668125	4174883755319485
284	105	72244	-184161.1413	861037	3170250766	39.23786610300595	-01.4493643	288604.221329672	3446031.5610569335	3516.986852703335	3334.335558	3330.169716935436	3326.889445462489	4174883755319485
285	105	72245	-183501.1413	861037	3170250766	39.2378735362810376	-01.4470352	288805.3015593035	3446028.454546684	3514.762096643113	3332.2346219774377	3327.07583134909	3323.483512462607	5169563842528718
286	105	72246	-182841.1413	861037	3170250766	39.237891120433176	-01.4447076	289006.38156874224	3446024.40496270	3512.53700810917296	3330.144843100443	3324.2089354170635	3316.958267089894	5395907683
287	105	72247	-182181.1413	861037	3170250766	39.23790359166479	-01.4423768	289207.461408207	3446020.363841755	3510.382451953866	3328.07485242189	3324.217584150065	3315.7113955665667	458419457102163
288	105	72248	-181521.1413	861037	3170250766	39.23791597714495	-01.4400478	289408.541121125	3446016.310930977	3508.329924044173	3326.0047185137	3317.556739122678	3319.87485888822	5447738052559305
289	105	72249	-180861.1413	861037	3170250766	39.237928309165976	-01.4377187	289609.6205627976	3446012.27593752	3506.266404441513	3323.967320722675	3314.617567106858	3314.617567106858	8393733616
290	105	72250	-180201.1413	861037	3170250766	39.237940615437346	-01.4353896	289810.699752747	3446008.227280606	3504.2028814352957	3321.9262500608705	3310.7394767621745	3313.64312024941614	8282312902646155
291	105	72251	-179541.1413	861037	3170250766	39.237952876716626	-01.4330644	289978.71776957	3446004.182230368	3501.952427638077	3319.9082803078095	3307.9177918738596	3311.990484339485	9188533417448525
292	105	72252	-178881.1413	861037	3170250766	39.23796503007766	-01.4307313	290212.85170517665	3446001.13706271	3499.51073582684	3317.940693842454	3305.763071664259	3308.385594336083	915847958
293	105	72253	-178221.1413	861037	3170250766	39.23797726431074	-01.4284022	290413.936798116	3445996.9299531465	3497.077095205513	3315.9140366460205	3303.016183589501	3306.100514184396	12897652099501548
294	105	72254	-177561.1413	861037	3170250766	39.23798930025536	-01.4261793	290615.014517075	3445992.048045127	3494.640345456036	3313.93813890303	3300.316717090386	3303.461157090386	10467711899181
295	105	72255	-176901.1413	861037	3170250766	39.23800147195214	-01.4237438	290816.0926174716	3445988.003720407	3493.0842682218807	3311.977031951425	3297.6646087141507	3301.037852864968	131239448090177
296	105	72256	-176241.1413	861037	3170250766	39.23801350829052	-01.4214148	291017.7075773078	3445983.96	3492.40984939079	3310.02991069247	3294.396253788866	3296.51675853824	1531676212058737
297	105	72257	-175581.1413	861037	3170250766	39.23802549964064	-01.4190857	291218.2483	3445979.515585633	3491.7353071670957	3308.097056	3291.775392386695	3294.3780934696976	1613226146834908
298	105	72258	-174921.1413	861037	3170250766	39.23803764406248	-01.4167565	291419.325880184	3445974.73794959	3490.6756258725	3306.1793770466347	3289.985165349498	3291.8090071406896	192421169713496
299	105	72259	-174261.1413	861037	3170250766	39.2380493737604	-01.4144274	291620.4032233071	3445971.82818758	3489.920394372343	3304.726856265225	3287.583393482524	3286.246361529284	166932717698834
300	105	72260	-173601.1413	861037	3170250766	39.23806120376129	-01.4120983	291821.480614775	3445967.74670716	3488.315816767081	3299.571040326865	3286.20388632974	3284.766784758745	1648460671709545
301	105	72261	-172941.1413	861037	3170250766	39.23807303515816	-01.4107619	292027.552947512	3445963.412582754	3487.226195723415	3298.12267879985	3284.72581971957	3282.716284932869	171468791158077
302	105	72262	-172281.1413	861037	3170250766	39.23808478156672	-01.40744	292223.634023762	3445959.68467879	3485.105506606454	3296.65298574694	3282.0254968770545	3281.850975452073	16748878373963
303	105	72263	-171621.1413	861037	3170250766	39.23809650296868	-01.4051109	292424.71054741036	3445955.655680472	3483.4096911357815	3296.875372501994	3279.80864749109	3281.84588284595	169677629103052
304	105	72264	-170961.1413	861037	3170250766	39.238108179418624	-01.4027817	292625.786662740	3445951.61204493	3481.623031573405	3294.97643886958	3277.62593224942	3275.326670434918	1735053166201692
305	105	72265	-170301.1413	861037	3170250766	39.23811981086194	-01.4004526	292826.86298291816	3445947.934042837	3479.836372016904	3293.1583891148757	3274.9803611520767	3272.061192849016	201073866909004574
306	105	72266	-169641.1413	861037	3170250766	39.23813137336281	-01.3981325	293027.9388947531	3445943.52810795	3478.049712457044	3291.36224049152797	3272.369592	3268.767854257575	2258438959862216
307	105	72267	-168981.1413	861037	3170250766	39.23814293871631	-01.3958784	293229.914602916	3445939.57987864	3476.2277705761981	3289.571040326865	3271.02267879985	3266.54838696761	232641438265894
308	105	72268	-168321.1413	861037	3170250766	39.2381544338112	-01.3936752	293430.90701715	3445939.444010715	3474.3631152777034	3287.7330552678	3268.9652687859	3265.90474582935	235337402784164
309	105	72269	-167661.1413	861037	3170250766	39.23816586750515	-01.391136	293631.16549040258	3445931.402270783	3472.507480943644	3285.999275093595	3265.446012257424	3262.621552195373	235273867852292
310	105	72270	-167001.1413	861037	3170250766	39.23817723231534	-01.3888069	293832.2405074177	3445927.360693222	3470.65140260984	3284.52422239405	3262.4116615307614	3261.491806282486	2182266063571348
311	105	72271	-166341.1413	861037	3170250766	39.23818865476365	-01.3864778	294033.315402398	3445923.319780012	3467.92830628773	3282.477606622267	3261.545303	3260.1536511251375	2094671819094568
312	105	72272	-165681.1413	861037	3170250766	39.23819972128735	-01.3841486	294234.30059831326	3445919.273091224	3464.3417607197703	3280.77585262394	3259.105197625209	3259.9041179262037	2094671819094568
313	105	72273	-165021.1413	861037	3170250766	39.23821124282255	-01.3818198	294435.463862548	3445915.7666785	3463.154837666267	3278.962054320846	3257.659477718715	3257.21370998483	21325574580213015
314	105	72274	-164361.1413	861037	3170250766	39.2382224693698	-01.3794808	294636.538	3445911.19622687	3462.12677281489	3275.94511972289	3256.10365624256	3254.5281971957	21325574580213015
315	105	72275	-163701.1413	861037	3170250766	39.23823390562678	-01.3771612	294837.612960012	3445915.55709514	3461.173107168517	3273.9544008098	3253.934176550923	3252.769380964289107	21760191926475897
316	105	72276	-163041.1413	861037	3170250766	39.2382447749596	-01.374832	295038.6864453506	3445910.15909497	3463.68401618008	3273.913664077646	3250.539159402537	3251.9373950462173	2325226097228674
317	105	72277	-162381.1413	861037	3170250766	39.23825587907643	-01.3725029	295239.762675458	3445899.074821409	3462.55788695014	3272.07277122109	3248.309891570604	3248.8302197899643	2325226097228674
318	105	72278	-161721.1413	861037	3170250766	39.23826692566822	-01.3701738	295440.8340808393	3445894.30479646	3461.43117228195	3270.35819075923	3246.329043865038	3247.73764930745	22584402150236
319	105	72279	-161061.1413	861037	3170250766	39.23827772727126	-01.3678446	295641.907289199	3445890.974991196	3460.9919721206854	3268.9693739245	3244.99271620881	3245.62017073735	22584402150236
320	105	72280	-160401.1413	861037	3170250766	39.23828863885566	-01.3650155	295842.860805021	3445886.95505705	3448.117901700176	3268.358552471595	3241.6195524153313	3243.335128483414	2319000027636392
321	105	72281	-159741.1413	861037	3170250766	39.23829963911103	-01.362749	296046.56263527	3445884.33619654	3447.2448817113248	3267.4488471173248	3240.5281971957	3240.5281971957	2319000027636392
322	105	72282	-159081.1413	861037	3170250766	39.23831068214783	-01.3605572	296255.1259240432	3445880.751614162	3446.117307168517	3266.335660488098	3239.666617557024	3237.346704510565	2689506719998126
323	105	72283	-158421.1413	861037	3170250766	39.23832148379576	-01.3585828	296446.19840131316	3445878.36963097	3441.4871370302029	3261.834046055769	3234.0962427465697	3234.2690262180436	273780330919908
324	105	72284	-157761.1413	861037	3170250766	39.23833226045875	-01.3561989	296647.760740484	3445870.796	3437.3920530138	3260.13806168118	3232.137210484835	3231.647201068155	2800074063333417
325	105	72285	-157101.1413	861037	3170250766	39.23834299	-01.3538697	296848.3427555135	3445869.759150687	3433.291073128643	3258.492467658806	3230.5487693302592	3229.68000361943	279404743282139
326	105	72286	-156441.1413	861037	3170250766	39.238353788								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BRElevLogKrg.ft	BRElevBotKrg.ft	SatThtLogKrg.ft	SatThtBot.ft
405	7036	-103401.1413	861037.317020766	39.290055760219564	-101.167357	312933.4793	434544.25	3276.097439508093	11.1717827642521	3088.843549	3091.0827966255806	28.47329112960129	20.630031016940502
406	7036	-103641.1413	861037.317020766	39.29066247772275	-101.165292	313134.5358985853	445540.54	3371.6652159903592	11.901040415401003	3089.395635408648	3091.0600375408648	19.70403203205234	18.044003917794741
407	7037	-102981.1413	861037.317020766	39.290112102059574	-101.168923	314581.5268597591	445456.22	3308.647752099167	11.05615455695861	3089.425419020211	3090.556569169883	17.066135353584408	15.934616570486282
408	7038	-103221.1413	861037.317020766	39.2907688775505	-101.165042	313536.6485	4356.91	3085.916117	11.03380089596611	3087.785845402297	3088.54781502292	16.04021354535145	13.157733147418785
409	7039	-101661.1413	861037.317020766	39.29090384	-101.158219	313737.704690677	445528.15	3265.2227451144387	11.01270054014186	3084.597831913182	3085.726076970118	16.07720670100412	16.160786364047984
410	7370	-101001.1413	861037.317020766	39.29096074788321	-101.155898	313938.7601	445530.12	3263.5380171324448	11.03683297960667	3080.935917439678	3081.4872416719355	17.72721952388515	17.1765862813119
411	7371	-100341.1413	861037.317020766	39.29090761044512	-101.1533606	314139.815842034	445520.11	3262.757375959324	11.03606048950058	3077.289664971696	3077.789661062965	17.1765862813119	18.2865984
412	7372	-99881.1413	861037.317020766	39.2910428016745	-101.151214	314340.8714051794	445516.08	3263.8518137856846	11.03634636581104	3074.720730955143	3074.70771036906168	19.74287259558968	19.386255020257522
413	7373	-99261.1413	861037.317020766	39.2911120059574	-101.148923	314581.5268597591	445456.22	3308.647752099167	11.05615455695861	3089.425419020211	3090.556569169883	17.066135353584408	15.934616570486282
414	7374	-98361.1413	861037.317020766	39.2911702818903	-101.146573	314742.961785334	445508.04	3263.1799443099	11.036186624145	3086.7035483037184	3087.195718221777	21.59837178377233	21.132148019673423
415	7375	-97701.1413	861037.317020766	39.29126401789645	-101.144238	314944.0367037535	445504.01	3262.79634368176	11.03657390303567	3083.178241233103	3083.295020303567	22.55277070438516	22.44029216789568
416	7376	-97041.1413	861037.317020766	39.29131248403212	-101.1419146	315145.09154020804	445499.99	3261.99527000976	11.0363180429366204	3059.66540755142	3059.9202425155872	23.514888611061906	23.260186850617
417	7377	-96381.1413	861037.317020766	39.2913784102312	-101.1395854	315346.1460957337	445495.97	3261.19085926119	11.036035762144091	3055.926911658168	3056.298911658168	24.3017176564681205	24.23615055925087
418	7378	-95721.1413	861037.317020766	39.291443865265	-101.1372562	315547.2040702655	445491.93	3260.38121239403	11.03619116117	3058.107508275367	3058.304591787774	26.140578421040573	25.792245048476616
419	7379	-95061.1413	861037.317020766	39.2915089129178	-101.134827	315745.2486664707	445492.32	3259.5960173206408	11.0361578153356413	3047.8445508574687	3047.8445508574687	27.33459381712587	27.33459381712587
420	7380	-94401.1413	861037.317020766	39.291574894051	-101.132578	315949.3086773543	445483.91	3258.724544752121	11.036106418101537	3043.37337817071	3043.810296208078	29.0912389330264	29.25432250274889
421	7381	-93741.1413	861037.317020766	39.2916376159882	-101.130268	316150.3625106386	445479.89	3257.8830712836002	11.036106418101537	3043.37337817071	3043.810296208078	31.79609199567564	31.79609199567564
422	7382	-93081.1413	861037.317020766	39.2917012926675	-101.1279393	316351.416724836	445475.86	3257.041599615093	11.036106418101537	3043.37337817071	3043.810296208078	33.5461771279359	33.5461771279359
423	7383	-92421.1413	861037.317020766	39.291765194416	-101.1256101	316552.646982324	445471.88	3256.54548492902	11.036106418101537	3043.37337817071	3043.810296208078	35.3580589152466	35.3580589152466
424	7384	-91761.1413	861037.317020766	39.2918272963117	-101.1232809	316753.5229252186	445467.12	3256.3947274092534	11.036106418101537	3043.37337817071	3043.810296208078	37.525789	37.525789
425	7385	-91101.1413	861037.317020766	39.2918866237771	-101.1209517	316954.5704332187	445463.07	3256.249107128209	11.036106418101537	3043.37337817071	3043.810296208078	39.34976054681379	39.34976054681379
426	7386	-90441.1413	861037.317020766	39.2919510053774	-101.118225	317155.6289776334	445459.76	3256.09212847165	11.036106418101537	3043.37337817071	3043.810296208078	41.39362487400524	41.39362487400524
427	7387	-89781.1413	861037.317020766	39.29202776321446	-101.1160136	317357.313508093	445455.22	3255.94069565265	11.036106418101537	3043.37337817071	3043.810296208078	43.62977449034121	43.62977449034121
428	7388	-89121.1413	861037.317020766	39.2921073904742	-101.1139641	317557.37403983715	445451.74	3255.72469567148	11.036106418101537	3043.37337817071	3043.810296208078	45.945079008219154	45.945079008219154
429	7389	-88461.1413	861037.317020766	39.2921343208975	-101.1116349	317758.7867077212	445447.72	3255.629276512684	11.036106418101537	3043.37337817071	3043.810296208078	48.13000653254864	48.13000653254864
430	7390	-87801.1413	861037.317020766	39.2921549055304	-101.1093057	317959.83927145	445443.77	3255.53813629118	11.036106418101537	3043.37337817071	3043.810296208078	50.28114804170591	50.28114804170591
431	7391	-87141.1413	861037.317020766	39.29221451370555	-101.1069765	318160.891	445439.38	3255.729292114507	11.036106418101537	3043.37337817071	3043.810296208078	52.4977369808977	52.4977369808977
432	7392	-86481.1413	861037.317020766	39.29223131469526	-101.1046743	318361.94283141615	445435.66	3255.7159918935	11.036106418101537	3043.37337817071	3043.810296208078	54.8004351974822	54.8004351974822
433	7393	-85821.1413	861037.317020766	39.2922720424917	-101.1023818	318592.96168742	445431.92	3255.69685648864	11.036106418101537	3043.37337817071	3043.810296208078	56.8258265841195	56.8258265841195
434	7394	-85161.1413	861037.317020766	39.29230439	-101.0999889	318764.0631216925	445427.63	3255.6814265516	11.036106418101537	3043.37337817071	3043.810296208078	58.8550202514	58.8550202514
435	7395	-84501.1413	861037.317020766	39.2923481481509	-101.0976927	318965.09735445515	445423.61	3255.6723027648955	11.036106418101537	3043.37337817071	3043.810296208078	60.8854914331945	60.8854914331945
436	7396	-83841.1413	861037.317020766	39.29235455261579	-101.0953205	319166.148507301	445419.53	3255.66191296244	11.036106418101537	3043.37337817071	3043.810296208078	62.9165329386812	62.9165329386812
437	7397	-83181.1413	861037.317020766	39.29236024542587	-101.0930013	319367.1994832924	445415.57	3255.6529129	11.036106418101537	3043.37337817071	3043.810296208078	64.94158246393224	64.94158246393224
438	7398	-82521.1413	861037.317020766	39.29236589324534	-101.090672	319568.208223668	445411.55	3255.642583705	11.036106418101537	3043.37337817071	3043.810296208078	66.9968075217518	66.9968075217518
439	7399	-81861.1413	861037.317020766	39.29237486024771	-101.0883428	319769.3001602685	445407.54	3255.63400887	11.036106418101537	3043.37337817071	3043.810296208078	69.0044351974822	69.0044351974822
440	7400	-81201.1413	861037.317020766	39.292377632146	-101.0860136	319970.313508093	445403.52	3255.621968565	11.036106418101537	3043.37337817071	3043.810296208078	71.0171469304121	71.0171469304121
441	7401	-80541.1413	861037.317020766	39.29238256676003	-101.083844	320171.4016026886	445399.55	3255.60955236283	11.036106418101537	3043.37337817071	3043.810296208078	73.03176978612	73.03176978612
442	7402	-79881.1413	861037.317020766	39.2923804341698	-101.0813552	320372.4514750055	445395.47	3255.5946790541	11.036106418101537	3043.37337817071	3043.810296208078	75.05276391056	75.05276391056
443	7403	-79221.1413	861037.317020766	39.2923933478327	-101.079026	320573.50163256	445391.47	3255.5832673653	11.036106418101537	3043.37337817071	3043.810296208078	77.06795273435632	77.06795273435632
444	7404	-78561.1413	861037.317020766	39.2923988335889	-101.076698	320774.5513749465	445387.43	3255.57496135768	11.036106418101537	3043.37337817071	3043.810296208078	79.082435693218	79.082435693218
445	7405	-77901.1413	861037.317020766	39.292403813509	-101.0743676	320975.600419755	445383.43	3255.564257176548	11.036106418101537	3043.37337817071	3043.810296208078	81.0921024893051	81.0921024893051
446	7406	-77241.1413	861037.317020766	39.29240546138045	-101.0720384	321176.650338157	445379.78	3255.5540323291	11.036106418101537	3043.37337817071	3043.810296208078	83.1045407918769	83.1045407918769
447	7407	-76581.1413	861037.317020766	39.2924073962582	-101.069719	321377.704142186	445375.84	3255.5437179292	11.036106418101537	3043.37337817071	3043.810296208078	85.1171469304121	85.1171469304121
448	7408	-75921.1413	861037.317020766	39.2923198965349	-101.0673799	321578.7489527506	445371.37	3255.53373764	11.036106418101537	3043.37337817071	3043.810296208078	87.1303739400921	87.1303739400921
449	7409	-75261.1413	861037.317020766	39.292320549876506	-101.0650507	321790.794602197	445367.32	3255.5244778354	11.036106418101537	3043.37337817071	3043.810296208078	89.14540037214859	89.14540037214859
450	7410	-74601.1413	861037.317020766	39.29233015780784	-101.0627215	321980.8515340177	445363.36	3255.5163069752	11.036106418101537	3043.37337817071	3043.810296208078	91.1571469304121	91.1571469304121
451	7411	-73941.1413	861037.317020766	39.29233520748965	-101.0603923	322181.8946723782	445359.34	3255.5065018857	11.036106418101537	3043.37337817071	3043.810296208078	93.16944812913	93.16944812913
452	7412	-73281.1413	861037.317020766	39.2923402386365	-101.0580631								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SatHtLogKrg.ft
531	75	77491	-121.141133	861037.3170250766	-39.2959448529803	-100.8740564	382658.23002427362	43450.38.680874057	3985.896627191894	2870.03979127574383	2871.463892420578	2871.479141
532	75	77492	-20491.141133	861037.3170250766	-39.29595993964296	-100.8717252	338466.2653347632	43450.34.680031437	3063.248515296332	2928.4607000461688	2871.4207186552158	2871.4207186552158
533	75	77493	-19821.141133	861037.3170250766	-39.295964574873046	-100.869396	338673.5056941258	43450.30.680921818	3069.5884034940983	2928.3877847259232	2871.251572589763	2871.251572589763
534	75	77494	-19161.141133	861037.3170250766	-39.29596960332205	-100.876062	338689.35694691836	43450.27.68092066	3057.944291505393	2928.107132303305	2871.10373740082097	2871.10373740082097
535	75	77495	-18501.141133	861037.3170250766	-39.2959698001555	-100.8647375	339069.3697	43450.22.68092066	3056.006404973103	2927.451634864784	2870.794765982397	2870.859010181882
536	75	77496	-17841.141133	861037.3170250766	-39.29601128716785	-100.8624083	339270.4014132145	43450.18.6785092975	3054.771663802975	2926.72963240955	2870.128415048141	2870.251617613225
537	75	77497	-17181.141133	861037.3170250766	-39.2960223242679	-100.860079	339471.4384384779	43450.14.67853256	3052.303272623497	2925.8003804696153	2869.2801157132485	2869.3326540848842
538	75	77498	-16521.141133	861037.3170250766	-39.296037114551	-100.8577498	339672.472589370	43450.10.67853256	3050.30591402095	2924.98370342095	2868.260939338415	2868.4345685088408
539	75	77499	-15861.141133	861037.3170250766	-39.29604571257306	-100.8554026	339873.5056941258	43450.06.67852918	3048.5884034940983	2924.3877847259232	2867.433864962392	2867.6678618473595
540	75	77500	-15201.141133	861037.3170250766	-39.2960536330921	-100.8530193	340074.540224567	43450.02.678987402	3046.878907504124	2923.5651568186704	2866.674103337104	2866.89930140351
541	75	77501	-14541.141133	861037.3170250766	-39.2960664735418	-100.8507621	340275.5741006307	43450.06.68095016	3046.873871183136	2922.507568950238	2866.1330059040626	2866.3046969528316
542	75	77502	-13881.141133	861037.3170250766	-39.29607616107854	-100.8484329	340476.60736330345	43450.08.681676141	3047.4691525259282	2921.819919415919	2865.7230156623969	2865.91245
543	75	77503	-13221.141133	861037.3170250766	-39.2960853987028	-100.8461036	340677.6410058513	43450.04.68224428	3046.5896640527438	2920.085823138074	2864.996812677413	2865.113212917251
544	75	77504	-12561.141133	861037.3170250766	-39.2960941864144	-100.8437744	340878.67402851384	43450.06.684194196	3045.97745551106	2919.9697578822717	2863.2470476894196	2863.1383568710
545	75	77505	-11901.141133	861037.3170250766	-39.29610255247134	-100.8414452	341079.7072985194	43450.08.685726057	3045.377326999763	2919.0048896991515	2863.930666790476	2863.5055047107086
546	75	77506	-11241.141133	861037.3170250766	-39.2961104121033	-100.8391159	341280.7420526557	43450.07.6868788	3044.782160842847	2918.041678298986	2862.928409113487	2861.404255233716
547	75	77507	-10581.141133	861037.3170250766	-39.29611785007654	-100.8367867	341481.7730456151	43450.04.688393757	3044.7092080087784	2916.978489933002	2867.894775081067	2866.947852094742
548	75	77508	-9921.141137	861037.3170250766	-39.2961248	-100.8344575	341682.8056439227	43450.07.691	3045.158883	2915.925394871134	2860.083532488464	2859.17427176368
549	75	77509	-9261.141327	861037.3170250766	-39.2961313762845	-100.8321283	341883.830890222	43450.06.69833139	3045.608564380763	2914.850165121784	2859.956683008486	2859.219663603789
550	75	77510	-8601.141137	861037.3170250766	-39.2961374645196	-100.829799	342084.8703797675	43450.06.696128781	3045.058246166755	2913.7538879290173	2859.116838920257	2858.15013382143
551	75	77511	-7941.141327	861037.3170250766	-39.29613410284175	-100.8274698	342285.9025168271	43450.08.69756862	3045.9052290773985	2912.637697562897	2857.3534090656162	2856.0567414186797
552	75	77512	-7281.141327	861037.3170250766	-39.2961485	-100.8251406	342486.93450041173	43450.10.715076104	3045.149486772983	2911.500385280115	2855.11159457835	2854.2884681866399
553	75	77513	-6581.141327	861037.3170250766	-39.296153297474	-100.82305	342696.93450041173	43450.12.715076104	3045.149486772983	2910.358428548275	2853.9851288544727	2853.9851288544727
554	75	77514	-5961.141327	861037.3170250766	-39.2961571383312	-100.8204821	342888.9980777226	43450.14.70734942	3043.638019723238	2909.156845150976	2850.057404069837	2848.854891
555	75	77515	-5301.141327	861037.3170250766	-39.29616151700215	-100.8181528	343090.029533558	43450.17.1092523	3042.967193782329	2907.968143476069	2847.6473388258957	2847.23122662479
556	75	77516	-4641.141327	861037.3170250766	-39.2961645457603	-100.8158236	343291.060904019	43450.19.714835204	3041.864795455219	2906.750172035336	2846.93701671022145	2843.8634663125987
557	75	77517	-3981.141327	861037.3170250766	-39.296167486054	-100.8134944	343492.0921233459	43450.21.718345488	3040.9345117180784	2904.9501394501407	2841.9505319405407	2841.9505319405407
558	75	77518	-3321.141327	861037.3170250766	-39.29617	-100.8111652	343693.12319038046	43450.23.722599818	3040.34318780939	2904.2539083894034	2838.8349141163636	2838.335592377749
559	75	77519	-2661.141327	861037.3170250766	-39.2961720125575	-100.8088735	343896.1521503836	43450.26.726	3039.661424297632	2903.6781520752944	2838.224878112356	2838.224878112356
560	75	77520	-2001.141327	861037.3170250766	-39.296173601654	-100.8050507	344095.1846965056	43450.29.7616225	3039.023805531903	2901.670146177523	2837.9304587193316	2837.9304587193316
561	75	77521	-1341.141327	861037.3170250766	-39.2961747408504	-100.8041775	344296.215	43450.31.75068067	3040.1745080680916	2900.3620015589445	2836.8005725081077	2836.2326907728831
562	75	77522	-811.1413269	861037.3170250766	-39.2961754301391	-100.8018422	344497.24550490813	43450.34.79302257	3040.4286323076203	2899.0276326907466	2837.872495735231	2837.07067176368
563	75	77523	-231.1412693	861037.3170250766	-39.2961756695073	-100.799519	344698.2762489541	43450.37.74451878	3040.2175954002186	2897.673614835135	2838.346297826656	2838.82534110146
564	75	77524	638.8586730733514	861037.3170250766	-39.2961754589627	-100.7971898	344899.3064067916	43450.40.79617646	3045.3261979690016	2896.30146871645	2838.076905555464	2840.1127433146116
565	75	77525	1298.8586730733514	861037.3170250766	-39.2961749850516	-100.7948085	34500.10.3364138147	43450.42.75868826	3048.507205068182	2904.930498670467	2837.1514801848955	2846.93758897012692
566	75	77526	1958.8586730733514	861037.3170250766	-39.2961736891346	-100.792513	345201.3662702273	43450.45.790262138	3049.771821357564	2893.421486717538	2836.224877073338	2836.224877073338
567	75	77527	2518.8586730733514	861037.3170250766	-39.296172127815	-100.7902201	345402.9697876253	43450.48.76508116	3049.26987611004	2892.69672174865	2835.2584645028583	2836.004643496963
568	75	77528	3278.8586730733514	861037.3170250766	-39.2961701715553	-100.7878729	345703.4253502434	43450.51.7336211	3049.4175361361289	2890.6211611479057	2830.423104	2832.81933745006
569	75	77529	3938.8586730733514	861037.3170250766	-39.29616765754626	-100.7855436	345904.543878534	43450.54.7264592	3046.3464960112777	2889.1545059763594	2827.0303045262975	2828.163429123345
570	75	77530	4598.8586730733514	861037.3170250766	-39.296164755246	-100.7832144	346105.4841938749	43450.57.7339254	3048.5354550636848	2887.66965428233	2822.8238039054863	2824.81704493584
571	75	77531	5258.8586730733514	861037.3170250766	-39.2961613875949	-100.7808852	346306.51330030896	43450.60.789861415	3049.32875984185	2886.1666416840912	2818.247192742279	2817.912931919626
572	75	77532	5918.8586730733514	861037.3170250766	-39.296157577424	-100.778559	346507.542573671	43450.63.79601377	3035.51610793124	2884.45303509364	2817.9377735475027	2817.9389341846348
573	75	77533	6578.8586730733514	861037.3170250766	-39.296153297474	-100.7762819	346710.790926218	43450.66.790262138	3035.51610793124	2884.45303509364	2817.9377735475027	2817.9389341846348
574	75	77534	7238.8586730733514	861037.3170250766	-39.296148608302	-100.7739775	346909.59972414456	43450.69.8035218	3036.697812081933	2881.5458508835218	2800.846617343705	2801.1014446519615
575	75	77535	7898.8586730733514	861037.3170250766	-39.296143487233	-100.7715682	347110.6282342815	43450.72.81634453	3034.2614681283423	2879.97573222654	2800.6239253918006	2800.147640374036
576	75	77536	8558.8586730733514	861037.3170250766	-39.2961373832246	-100.769239	347311.6566	43450.75.8272601	3033.725055171137	2878.364444527976	2803.5242575011307	2803.39173087037
577	75	77537	9218.8586730733514	861037.3170250766	-39.29613177981305	-100.7669098	347512.684909748	43450.78.831090176	3032.257492233602	2876.78131399415	2806.164310153157	2806.2388083547
578	75	77538	9878.8586730733514	861037.3170250766	-39.2961253	-100.7645805	347713.7128471408	43450.81.83481652	3032.763828713482	2875.11122660138	2808.5072449696268	2808.8285918394694
579	75	77539	10538.8586730733514	861037.3170250766	-39.2961182115525	-100.7622513	347914.7409712569	43450.84.846570248	3031.41125967226	2874.5256215961155	2801.6584763245956	2801.6584763245956
580	75	77540	11198.8586730733514	861037.3170250766	-39.2961109021225	-100.7598221	348115.78956284	43450.87.84528331	3030.1620222511336	2871.871881404664	2811.51837775189	2811.51837775189
581	75	77541	11858.8586730733514	861037.3170250766	-39.296103403397	-100.7578928	348318.7961824036	43450.90.8263496	3031.19892061554383	2870.20389897682	2810.39624168002	2810.885919
582	75	77542	12518.8586730733514	861037.3170250766	-39.2960974304675	-100.755263						

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevKgr.f	BR ElevBotKgr.f	SatHtKgr.f	SatHtBotKgr.f
65	1075	7617	6120.85867307335	861037.3170250766	39.2941893119442	-100.5805716	363994.4798192147	34453.3610187188	2866.976592696475	2734.6695947766523	2684.0485128761075	2683.6146704676953	501844190054494
658	105	7618	6276.85867307335	861037.3170250766	39.2941460970154	-100.5782424	363796.4963953786	34455.3203281116	2864.50574677003974	2734.33955442224	2681.4352926775982	2681.0953066650617	52139088979156134
659	105	7619	6338.85867307335	861037.3170250766	39.2941538577678	-100.5781623	363896.51319999944	34455.3203281116	2863.017317004771	2731.803522778498	2678.13328906046	2678.3984038431212	52182641784214
660	102	7620	6399.85867307335	861037.3170250766	39.29404045551604	-100.5782424	364197.5298	34455.3203281116	2862.511315427674	2730.385182049897	2677.317233507814	2677.305348849425	5310269720318593
661	106	7621	6468.85867307335	861037.3170250766	39.2940166035555	-100.5712547	364388.5623526236	34455.3203281116	2862.005313680764	2728.969727619713	2675.973684966815	2676.166160502684	5219660177044404
662	106	7622	6531.85867307335	861037.3170250766	39.293927012016806	-100.5689255	364599.5625863716	34455.3203281116	2861.54339652147	2726.214944315655	2675.31433652219	2675.46042026813	521110229892753
663	106	7623	6597.85867307335	861037.3170250766	39.2939275	-100.5659963	364800.5780673034	34455.3203281116	2861.43534212609	2726.13929412609	2674.898552536147	2675.1722284	51.23437187799436
664	106	7624	6638.85867307335	861037.3170250766	39.293882482212	-100.5642671	365001.594996404	34455.3203281116	2861.747688146389	2726.17251740315387	2674.1169999393272	2674.04528527143	5016134704761145
665	106	7625	6728.85867307335	861037.3170250766	39.29383666622	-100.561873	365896.620811686	34455.3203281116	2861.43534212609	2726.13929412609	2674.898552536147	2675.1722284	51.23437187799436
666	106	7626	6759.85867307335	861037.3170250766	39.2937705951227	-100.5596987	365403.6267	34455.3203281116	2861.43534212609	2726.13929412609	2674.898552536147	2675.1722284	51.23437187799436
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669	106	7629	6993.85867307335	861037.3170250766	39.2936459911327	-100.552621	366006.6733945475	344492.2625585	2860.30051244816	2717.6938557793313	2669.728044311013	2669.048544407115	48.64509181781185
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701	106	7661	9105.85867307335	861037.3170250766	39.2919160089235	-100.4780663	372439.10041534284	344492.2625585	2860.30051244816	2717.6938557793313	2669.728044311013	2669.048544407115	48.64509181781185
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704	106	7664	9307.85867307335	861037.3170250766	39.291703567513	-100.4710987	37304						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
43	7744	-343221.1413	861697.3170250766	39.253468	-102.0106823	240141.432862475	3474214.323993544	3938.475713718338	347.1683342097036	3665.730036	3681.9223168890026	41.8423980393431	55.24607140170101	
44	7744	-342561.1413	861697.3170250766	39.25370175175625	-102.008354	240342.56908003416	3474212.242485812	3936.130871050284	374.0068659617054	3663.8817443592233	3680.1828530237942	81.01942500159657	64.72401529	
45	7744	-341901.1413	861697.3170250766	39.253635268832781	-102.006045	240543.7048	3474206.141510055	3932.127458397177	374.02351391238538	3654.3708838170044	3669.621868486965	76.84489446809738	65.84871406849413	
46	7744	-341241.1413	861697.3170250766	39.25341678626897	-102.006356	240746.584280405	3474202.050740074	3934.11176791341	374.033653289707	3660.6606291170374	3672.552723219313	67.9500741266976	66.76423859652414	
47	7747	-340581.1413	861697.3170250766	39.25344024344115	-102.0013667	240945.9750228883	3473197.9607125675	3929.344176154894	374.02689634484	3659.284439686574	3671.963620557888	77.4225466664073	66.0633680790963	
48	7748	-339921.1413	861697.3170250766	39.25346321743816	-101.9990378	241171.110197141	3473183.869783523	3927.496981557227	373.701360134226	3657.993035	3672.164229849307	78.7020527154576	63.5371302848572	
49	7749	-339261.1413	861697.3170250766	39.25346635551054	-101.9967089	241348.25488062024	3473189.6989035	3925.649171484160	373.3399390500485	3656.7782670184993	3670.9332876	75.88162703154926	62.4276308450852	
50	7750	-338601.1413	861697.3170250766	39.25350946682672	-101.99438	241549.38408587992	3473185.69596439	3923.801361408736	373.10039031440006	3655.559855884097	3670.17276686242	75.4532457559085	60.2928165475938	
51	7751	-337941.1413	861697.3170250766	39.253525268832781	-101.992651	241756.15463337777	3473181.599735103	3922.127458397177	374.02351391238538	3654.3708838170044	3669.621868486965	76.84489446809738	65.84871406849413	
52	7752	-337281.1413	861697.3170250766	39.25355554000347	-101.989722	241951.64892570223	3473177.51009184	3920.622924443106	374.025459144699	3653.253160033559	3655.8338760001175	75.92279191	60.41207584481373	
53	7753	-336621.1413	861697.3170250766	39.25357850819039	-101.9873982	242152.7828	3473174.02350318	3919.129901501442	372.83483606127933	3652.5352744542884	3658.8566782790133	71.31308607	62.6426233377373	
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57	7757	-333981.1413	861697.3170250766	39.25366995112808	-101.9780776	242957.315554929	3473157.064871876	3913.427433393924	371.6147178471343	3650.872558881755	3663.42265573384	63.584691589896634	52.86467189748954	
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62	7762	-330681.1413	861697.3170250766	39.253783197715534	-101.9664329	243962.978515207	3473136.623911818	3903.47492113	370.62149	3632.891495102713	3649.169205258253	73.60061817	57.32261074744776	
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72	7772	-324081.1413	861697.3170250766	39.2540135725457	-101.9431438	245974.2733731752	3473095.755923172	3879.6517971705	366.934971655546	3605.9300615449521	3620.9183637741	67.01594211	76.0795279360476	
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76	7776	-321441.1413	861697.3170250766	39.25409631582836	-101.9338278	246776.7908294	3473079.4136511	3877.9189634123	366.934971655546	3605.9300615449521	3620.9183637741	67.01594211	76.0795279360476	
77	7777	-320781.1413	861697.3170250766	39.25411260206436	-101.9314898	246979.9187425733	3473075.92580573	3876.8304834888	366.934971655546	3605.9300615449521	3620.9183637741	67.01594211	76.0795279360476	
78	7778	-320121.1413	861697.3170250766	39.25413809384786	-101.929169	247181.0462515165	3473071.241827235	3875.741195194483	366.934971655546	3605.9300615449521	3620.9183637741	67.01594211	76.0795279360476	
79	7779	-319461.1413	861697.3170250766	39.25416389250747	-101.9268409	247381.173102255	3473067.16	3874.880451838234	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
80	7780	-318801.1413	861697.3170250766	39.25418164182835	-101.924512	247583.30018608	3473063.07544942	3873.88369719577	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
81	7781	-318141.1413	861697.3170250766	39.25420358467714	-101.922183	247784.42776703	3473059.07504594	3872.6388380092	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
82	7782	-317481.1413	861697.3170250766	39.25422501858807	-101.9198541	247985.53578551467	3473054.90741563	3868.00064842263	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
83	7783	-316821.1413	861697.3170250766	39.2542463731681	-101.9175251	248186.6800444827	3473050.03584517	3865.6838749124	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
84	7784	-316161.1413	861697.3170250766	39.25426811062935	-101.9151962	248387.806053738	3473046.73990379	3861.425115762787	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
85	7785	-315501.1413	861697.3170250766	39.25428941797	-101.9128834	248589.6263126049	3473042.4909852	3859.425115762787	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
86	7786	-314841.1413	861697.3170250766	39.2543112236701	-101.9105382	248792.075326321	3473038.753100621	3857.05386790112	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
87	7787	-314181.1413	861697.3170250766	39.25433362405246	-101.9082093	248991.182888177	3473034.48997375	3855.302136382137	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
88	7788	-313521.1413	861697.3170250766	39.2543560262051	-101.9058083	249192.3067021296	3473030.40740234	3853.95949556736	367.7280437443336	366.934971655546	3620.9183637741	67.01594211	76.0795279360476	
89	7789	-312861.1413	861697.3170250766	39.25437854055295	-101.9035513	249393.3423677035	3473026.34292456	3852.615982						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogs.kft	BRElevBoth.kft	SatTfLogs.ft	SatTfBoth.ft
168	1769	-260601.1413		861697.3170250766	39.237937583895514	-101.7127298	265482.62723572506	343670.306921984	3704.0743081583483	3527.9440909758187	3480.412902790638	3500.1900213267684	47.531187965180834	27.754067629052315
170	17670	-259401.1413		861697.3170250766	39.237955268927507	-101.7149008	265683.73265260597	343666.2352293917	3701.1792117780297	3526.3159032020993	3479.948529212448	3499.296778542933	46.30780389651316	27.0191247591606
171	17671	-258761.1413		861697.3170250766	39.23797282910413	-101.7125271	265684.8517660698	343669.172	3702.09801949684	3524.83696463615	3478.87531118994	3488.5241721087298	46.80789570910878	36.15907472727233
172	17672	-258081.1413		861697.3170250766	39.23799054422964	-101.7102426	265688.1044265094	343670.175826730160	3703.175826730160	3523.05873059699	3480.115743451248	3489.7002701049304	46.30780389651316	34.8089025470541
173	17673	-257421.1413		861697.3170250766	39.23800814336921	-101.7079136	266287.0471602745	343669.0372672342	3704.261045997045	3521.402819810436	3479.1802114893205	3487.271877609398	42.2108083211011	34.1300422049243
174	17674	-256761.1413		861697.3170250766	39.23802563952284	-101.7055845	266488.1515635499	343670.977	3705.304373219685	3519.756782921036	3480.839409	3487.856765011004	38.91737978	31.90002421155596
175	17675	-256101.1413		861697.3170250766	39.23804311969048	-101.7032554	266689.2557360913	343670.9530535573	3704.975666614856	3518.109304	3481.52669941091	3487.555226	36.3022731713884	30.5540784447284
176	17676	-255441.1413		861697.3170250766	39.23806548587212	-101.7009264	266880.3596781044	3436671.636975057	3703.1765380164907	3516.460466871547	3482.428189047837	3487.7976444738124	34.332041292	28.66276239334229
177	17677	-254781.1413		861697.3170250766	39.238077945567694	-101.6988973	267091.4632897913	343667.77039217	3703.273568971486	3514.8109061531823	3483.464810289168	3488.758673684613	31.22589576121425	26.081108784720982
178	17678	-254121.1413		861697.3170250766	39.2380952027715	-101.6962582	267292.5667138009	343668.704374703	3699.57070725007	3513.158069393028	3484.720796023826	3489.97055282974	28.43756469914172	23.1875441004684
179	17679	-253461.1413		861697.3170250766	39.23811259050055	-101.6939391	267493.6701203152	343669.638	3697.44510958611	3511.505182265865	3485.5413719665403	3492.183590854585	26.363012099324605	19.32159111280224
180	17680	-252801.1413		861697.3170250766	39.238129845737774	-101.69161	267694.77314496227	343665.573	3694.99205799431	3509.8051652846717	3487.3216883443056	3495.899532548553	22.52847604036069	15.950717159816385
181	17681	-252141.1413		861697.3170250766	39.23814705588881	-101.689281	267895.8754932744	343665.150865796	3692.549092363049	3508.1933413357006	3489.446229685415	3493.945444293989	18.77011650239074	12.618895041711767
182	17682	-251481.1413		861697.3170250766	39.23816422125363	-101.6869519	268096.9780054945	343664.41400561	3690.101068746667	3506.5325298864706	3492.0909846288446	3498.197625	14.44472527626032	8.33763486780506
183	17683	-250821.1413		861697.3170250766	39.238181341532204	-101.6846228	268298.0806346004	343663.713620489	3687.728914641766	3504.8771145402742	3495.279531588131	3500.191905974323	15.950717159816385	4.685163546841977
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185	17685	-249501.1413		861697.3170250766	39.238215447130514	-101.6799646	268700.28481624415	343663.31	3683.25609566978	3501.56329856478	3502.137744534866	3507.715740649674	0	0
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187	17687	-248181.1413		861697.3170250766	39.238249377834151	-101.6753065	269102.4878837637	343662.717	3676.419770488397	3498.326660503492	3506.7734256845893	3513.833282623646	0	0
188	17688	-247521.1413		861697.3170250766	39.23826626813026	-101.6729774	269303.5807563705	343662.05204882	3669.4915151809954	3496.5967231376553	3508.516975	3513.841396277225	0	0
189	17689	-246861.1413		861697.3170250766	39.23828311849076	-101.6706483	269504.6093343726	343661.9883381394	3665.650496972273	3494.3384662211633	3505.553848715302	3511.45886454569	0	0
190	17690	-246201.1413		861697.3170250766	39.23829952386455	-101.6683197	269705.7908	343661.435455905	3662.362045635506	3493.273969593575	3501.6851194974743	3508.027339814234	0	0
191	17691	-245541.1413		861697.3170250766	39.23832047551076	-101.6657118	270006.812942663	343661.08061117	3659.623827127478	3491.484562055425	3497.481851483114	3504.47528	0	0
192	17692	-244881.1413		861697.3170250766	39.2383339953015	-101.66361	270107.919557098	343660.79650784	3646.370259119865	3489.95939329563	3494.027419287242	3500.740016454223	0	0
193	17693	-244221.1413		861697.3170250766	39.23835007006734	-101.6613319	270309.0916201098	343660.733259202	3648.30019190866	3491.529311997285	3497.111526780295	3498.0768620295	0	0
194	17694	-243561.1413		861697.3170250766	39.2383666549509	-101.6590028	270510.1914	343659.870286464	3638.6342587340996	3486.64183847624	3489.812435276119	3495.008686272725	0	0
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198	17698	-240921.1413		861697.3170250766	39.23843277433945	-101.649864	271314.588453674	343659.41829399	3632.020006723004	3480.727444774281	3480.391223515526	3487.002477351166	0	0
199	17699	-240261.1413		861697.3170250766	39.23844914873373	-101.6473573	271515.6871901129	343659.356870668	3632.157677564095	3478.411924157875	3483.2917218305715	3485.12269638074	0	0
200	17700	-239601.1413		861697.3170250766	39.2384653304123	-101.6450282	271716.7566066917	3436574.294743739	3633.811377071585	3476.7821438714723	3480.46744232526	3483.390134910287	0	0
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202	17702	-238281.1413		861697.3170250766	39.23849808	-101.64037	272118.06226258	343656.7110440265	3631.18777932848	3473.548578680325	3475.8223003719686	3481.04880162003	0	0
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204	17704	-236961.1413		861697.3170250766	39.23853047551076	-101.6357118	272422.1773230075	343655.84089747	3636.333995	3470.35941133358	3473.12626210089	3480.30138019616	0	0
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206	17706	-235641.1413		861697.3170250766	39.23856260166995	-101.6310356	272923.3718597326	343654.9492587121	3638.834104550065	3467.2715827119845	3471.550503948917	3476.039818279304	0	0
207	17707	-234981.1413		861697.3170250766	39.23857873226905	-101.6287245	273124.46875711955	343654.85053785	3637.7208514770977	3465.6641907709977	3470.837591889047	3474.3627032831	0	0
208	17708	-234321.1413		861697.3170250766	39.2385947288111	-101.6263954	273325.5654305011	343654.804399787	3635.17203567885	3464.1228613074204	3470.104204269743	3473.7671662510763	0	0
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210	17710	-233001.1413		861697.3170250766	39.2386265841444	-101.6217372	273727.7581061891	343653.63873973	3630.087389715014	3461.0772119245745	3468.683683223838	3470.782657502349	0	0
211	17711	-232341.1413		861697.3170250766	39.2386424779485	-101.6194237	273928.8713217971	343653.23817971	3628.2382744477821	3459.871632812607	3469.8930410403195	3470.000000000000	0	0
212	17712	-231681.1413		861697.3170250766	39.23865850455896	-101.617079	274129.948898475	343653.53677074	3621.15823550106	3458.0757175139364	3466.19274517586	3466.52308	0	0
213	17713	-231021.1413		861697.3170250766	39.23867403113496	-101.6147499	274331.04544510704	343652.53096979	3619.05327657338	3456.589046040601	3464.6868133153507	3462.744746500585	0	0
214	17714	-230361.1413		861697.3170250766	39.23868975862422	-101.6124207	274532.1407790035	343651.70444	3610.948217623765	3455.11167585466	3462.9804641300607	3458.60679432538	0	0
215	17715	-229701.1413		861697.3170250766	39.23870543752622	-101.6100916	274733.235890369	343651.3850769	3606.6344648642385	3453.64357030473	3461.108191938497	3459.147350750896	0	0
216	17716	-229041.1413		861697.3170250766	39.23872107324095	-101.6077625	274934.3307941113	343650.92591942	3603.110006294805	3452.183903994248	3459.15352015219	3460.73058	0	0
217	17717	-228381.1413		861697.3170250766	39.23873666	-101.6054384	275135.425463328	343650.26842892						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	LatBothKgr.f	SurfBothKgr.f
256	7906	-179901.1413	861697.3170250766	39.23981413255651	-101.4237594	908020.1421642791	3448189.237018386	349.0592286454116	331.7399239910114	3299.153651308736	3302.0741649969605	14.586722682275649	11.665759894009075
296	7996	-176241.1413	861697.3170250766	39.23962616020087	-101.4214302	291021.2196317533	3448185.193	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
297	7997	-175681.1413	861697.3170250766	39.23963816085585	-101.419161	291222.297385132	3448181.904268	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
298	7998	-174921.1413	861697.3170250766	39.23965015702142	-101.4167178	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
299	7999	-174261.1413	861697.3170250766	39.23966209191571	-101.4144427	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
300	8000	-173601.1413	861697.3170250766	39.23967385884185	-101.4121135	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
301	8001	-172941.1413	861697.3170250766	39.239685778137	-101.4097483	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
302	8002	-172281.1413	861697.3170250766	39.23969744422902	-101.4074551	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
303	8003	-171621.1413	861697.3170250766	39.23970916607717	-101.4051259	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
304	8004	-170961.1413	861697.3170250766	39.23972084714576	-101.4027957	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
305	8005	-170301.1413	861697.3170250766	39.239732474474784	-101.4004675	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
306	8006	-169641.1413	861697.3170250766	39.23974406	-101.3981383	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
307	8007	-168981.1413	861697.3170250766	39.23975565298402	-101.3958091	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
308	8008	-168321.1413	861697.3170250766	39.2397670975419	-101.3934799	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
309	8009	-167661.1413	861697.3170250766	39.2397786	-101.3911507	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
310	8010	-167001.1413	861697.3170250766	39.2397902632552	-101.3888215	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
311	8011	-166341.1413	861697.3170250766	39.24000132012645	-101.3864823	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
312	8012	-165681.1413	861697.3170250766	39.24001263693054	-101.3841631	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
313	8013	-165021.1413	861697.3170250766	39.2400238075973	-101.3818339	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
314	8014	-164361.1413	861697.3170250766	39.24003535591064	-101.3795047	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
315	8015	-163701.1413	861697.3170250766	39.24004631743372	-101.3771755	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
316	8016	-163041.1413	861697.3170250766	39.24005744226902	-101.3748463	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
317	8017	-162381.1413	861697.3170250766	39.240068514584	-101.3725174	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
318	8018	-161721.1413	861697.3170250766	39.24007953021086	-101.3701879	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
319	8019	-161061.1413	861697.3170250766	39.24009059490383	-101.3678587	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
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321	8021	-159741.1413	861697.3170250766	39.240112463695956	-101.3632003	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
322	8022	-159081.1413	861697.3170250766	39.240123330612626	-101.3608711	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
323	8023	-158421.1413	861697.3170250766	39.24013415253566	-101.3585419	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
324	8024	-157761.1413	861697.3170250766	39.24014492406873	-101.3562127	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
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334	8034	-151161.1413	861697.3170250766	39.2402502345141	-101.3329206	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
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338	8038	-148521.1413	861697.3170250766	39.240291908	-101.3236027	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	15.842695457430444	12.913882543762611
339	8039	-147861.1413	861697.3170250766	39.24030118465896	-101.3212745	349123.7484765253	3448177.1044839685	349.817013502407	331.7819153684545	3295.93695928811	3298.967336842584	1	

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
421	78121	-93741.14313	861697.3170250766	39.24097645175222	-101.1302768	316154.387878179	4345681.099121254	3523.254307909535	3069.664837667166	3037.741486008375	3038.1069716186887	3122897.75928407	31.55741724749226
422	78122	-93081.14133	861697.3170250766	39.24098281958199	-101.1279475	316355.441326747	4345677.073676114	3523.022033161515	3067.183474691197	3032.293072091222	3032.599228803467	34.89042059975005	34.58424588759608
423	78123	-92421.14133	861697.3170250766	39.24098914232018	-101.1256182	316556.4968198255	4345673.056904415	3523.003091155483	3064.711547818578	3028.701988746868	3037.601691698917	37.6390049173586	37.6390049173586
424	78124	-91761.14133	861697.3170250766	39.240995402066806	-101.123289	316577.547271693	4345669.030240640	3522.777602005603	3062.247965020503	3021.8041472320565	3022.027817812427	34.89042059975005	34.58424588759608
425	78125	-91011.14133	861697.3170250766	39.241001653121806	-101.1205927	316658.6064408544	4345665.015606073	3522.565550409655	3059.792116783646	3017.7831242788825	3018.0573287508482	40.08867398482066	41.734782927516335
426	78126	-90441.14133	861697.3170250766	39.2410074098517	-101.1186305	317159.6533871974	4345660.95186406	3522.4233102911667	3057.337992108225	3015.0805114183704	3015.706353790025	41.63316273942501	41.63316273942501
427	78127	-89781.14133	861697.3170250766	39.2410138385984	-101.1163012	317360.3985512347	4345657.94580405	3522.393211264204	3054.0023805196825	3014.198542561121	3015.7099695181776	40.7038352856141	39.192393835116036
428	78128	-89211.14133	861697.3170250766	39.24102006173704	-101.1139719	317561.7583364092	4345652.948905043	3522.496480300415	3052.4684271991873	3013.6200243169437	3015.7099695181776	40.7038352856141	39.192393835116036
429	78129	-88651.14133	861697.3170250766	39.24102613465226	-101.1116427	317762.8162491844	4345648.9359283465	3522.576948854267	3051.0327605467267	3012.0327605467267	3017.6189557378877	37.001648102815945	37.001648102815945
430	78130	-87991.14133	861697.3170250766	39.24103242552277	-101.1093134	317963.9625709717	4345644.915344278	3522.611989673607	3047.612517118523	3011.229136385058	3018.817627026206	38.3830737305231	39.25120393262515
431	78131	-87411.14133	861697.3170250766	39.241038105427386	-101.1069841	318164.9142077025	4345640.895842838	3525.628105908303	3045.1832471589496	3010.745597196091	3010.881780352878	43.3326739625846	26.29146736735159
432	78132	-86841.14133	861697.3170250766	39.24104403234082	-101.1046549	318365.960925216	4345638.87652001	3525.882317678157	3042.7498163945474	3009.217598191077	3010.881780352878	43.3326739625846	26.29146736735159
433	78133	-86281.14133	861697.3170250766	39.24104988626256	-101.1023256	318567.0175842255	4345636.857390817	3526.13555447197	3040.31309445217	3007.2671847	3010.881780352878	43.3326739625846	26.29146736735159
434	78134	-85611.14133	861697.3170250766	39.24105572419257	-101.0999963	318768.06802966	4345638.83480216	3527.3497718782	3037.86753891655	3005.733056100076	3010.881780352878	43.3326739625846	26.29146736735159
435	78135	-84951.14133	861697.3170250766	39.24106150713088	-101.0976871	318968.12001415364	4345634.819673212	3528.891873682817	3035.4186242992514	3003.0887410867225	3010.881780352878	43.3326739625846	26.29146736735159
436	78136	-84341.14133	861697.3170250766	39.24106724507744	-101.0953378	319170.171001435	4345620.80189797	3529.604619658	3032.964619658	3002.543303122387	3010.4397853404913	32.4131545344619	32.4131545344619
437	78137	-83781.14133	861697.3170250766	39.2410728303226	-101.0930085	319371.2178772895	4345616.76289687	3530.3781524093	3030.509027229332	3009.5950943605712	3009.36480512153	32.91330268762004	32.91330268762004
438	78138	-83251.14133	861697.3170250766	39.24107858593546	-101.0906793	319572.272394846	4345612.76477902	3531.0657815606494	3028.058175606494	3008.739227431756	3008.817607160057	33.3119013	19.4320339035017827
439	78139	-82681.14133	861697.3170250766	39.2410841886666	-101.08835	319773.3226826685	4345608.76441004	3532.9518253147	3025.592864111905	3009.853763812332	3008.866825219372	33.3119013	19.4320339035017827
440	78140	-82101.14133	861697.3170250766	39.24108974894616	-101.0860207	319974.3730813902	4345604.72891804	3534.993343115474	3023.73145275627	3009.1504358803093	3008.741334245613	33.3119013	19.4320339035017827
441	78141	-80541.14133	861697.3170250766	39.2410952599334	-101.0836915	320175.423195629	4345600.71092629	3536.040415028063	3020.687801349968	3008.5830456012631	3008.458631466405	35.1047579373451	14.229169928915662
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443	78143	-79321.14133	861697.3170250766	39.24110581346444	-101.0790378	320577.45178786	4345592.6185486	3538.067834817854	3016.816348717854	3006.278348717854	3006.278348717854	35.1047579373451	14.229169928915662
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446	78146	-77241.14133	861697.3170250766	39.24112214995576	-101.0720451	321180.670167379	4345580.62531245	3541.229983140925	3008.6495346312	3004.764759567946	3004.764759567946	35.1047579373451	14.229169928915662
447	78147	-76581.14133	861697.3170250766	39.24112738033421	-101.0697159	321381.719423551	4345576.7609	3542.335421594227	3006.32456084872573	3004.451982830567	3004.451982830567	35.1047579373451	14.229169928915662
448	78148	-75921.14133	861697.3170250766	39.24113259107374	-101.067386	321582.768793205	4345572.5940758	3543.224890337353	3004.0434261506648	3003.020660793075	3003.020660793075	35.1047579373451	14.229169928915662
449	78149	-75361.14133	861697.3170250766	39.24113774413008	-101.0650576	321783.8174694852	4345568.578028819	3544.16274659175	3001.8216274659175	3001.8216274659175	3001.8216274659175	35.1047579373451	14.229169928915662
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451	78151	-73941.14133	861697.3170250766	39.24114791526106	-101.0603388	322185.91429917514	4345560.54433708	3545.97032306157	2997.5288281	2997.5288281	2997.5288281	35.1047579373451	14.229169928915662
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454	78154	-71961.14133	861697.3170250766	39.24116283451769	-101.053411	322789.058239593	4345549.45977585	3548.192417348096	2991.6242921393864	2989.384657429672	2989.384657429672	35.1047579373451	14.229169928915662
455	78155	-71301.14133	861697.3170250766	39.241167716719405	-101.0510871	322990.10587278847	4345544.48227598	3549.3789389519	2989.809730837166	2987.697792553437	2987.697792553437	35.1047579373451	14.229169928915662
456	78156	-70641.14133	861697.3170250766	39.24117255572917	-101.048754	323191.15332852	4345540.467926343	3550.2724659175	2988.702110812259	2987.582110812259	2987.582110812259	35.1047579373451	14.229169928915662
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459	78159	-68661.14133	861697.3170250766	39.241186800109126	-101.0417466	323794.2477624584	4345528.43241092	3553.6046883191064	2985.30331777681	2984.20710799159	2984.20710799159	35.1047579373451	14.229169928915662
460	78160	-68001.14133	861697.3170250766	39.2411914825108	-101.0394353	323995.3415453426	4345524.01413732	3554.481365469011	2983.4536469011	2982.4536469011	2982.4536469011	35.1047579373451	14.229169928915662
461	78161	-67341.14133	861697.3170250766	39.24119670140104	-101.037106	324196.3881431545	4345520.396145038	3555.42896118762	2982.4040271336943	2981.4040271336943	2981.4040271336943	35.1047579373451	14.229169928915662
462	78162	-66681.14133	861697.3170250766	39.24120064959901	-101.0347768	324397.3434689847	4345516.38233081	3556.41693731915	2979.686867004824	2978.686867004824	2978.686867004824	35.1047579373451	14.229169928915662
463	78163	-66021.14133	861697.3170250766	39.24120549859596	-101.032442	324598.39817786	4345512.3702482	3557.4058135483	2977.96981346524	2976.96981346524	2976.96981346524	35.1047579373451	14.229169928915662
464	78164	-65361.14133	861697.3170250766	39.24120948490961	-101.0301182	324799.5269051673	4345508.35526628	3558.391356470034	2976.5008442004	2975.5008442004	2975.5008442004	35.1047579373451	14.229169928915662
465	78165	-64701.14133	861697.3170250766	39.24121407486093	-101.0277889	325000.5781627133	4345504.31993393	3559.372748521464	2975.2682145074532	2974.2682145074532	2974.2682145074532	35.1047579373451	14.229169928915662
466	78166	-64041.14133	861697.317025										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKrg.ft	BREVEloftKrg.ft	SatHtKgs.ft	SatHtoft
547	106	78247	-11081.143137	861697.3170250766	39.24142048655166	-100.36767876	314185.7743531451	34515.7789577678	3038.964146389052	2916.898251994546	2859.564960381957	2858.7904090955707	37.332391612589164	58.18884289897551
548	106	78248	-9601.141327	861697.3170250766	39.24142518837547	-100.38448484	314186.8066761746	34515.7789573235	3038.832220884144	2915.864146736361	2862.038909041589	2861.5232972207242	54.60142588	
549	106	78249	-9261.141327	861697.3170250766	39.24142681725625	-100.3821291	341867.839811595115	34515.8881232532	3041.712281	2914.788271656243	2862.689275523689	2861.9436976523689	52.83866250116224	
550	106	78250	-8601.141327	861697.3170250766	39.24142648045874	-100.3297988	340268.87111628137	34515.6833236349	3041.698843942919	2913.69684864767	2861.757036	2861.7570360525625	51.936862790414268	
551	106	78251	-7941.141327	861697.3170250766	39.24142701189237	-100.8274705	342289.930623935	34515.689863847	3041.930446314848	2912.587068328038	2859.4403487311647	2858.3302405898435	51.46657589673665	54.25486172909511
552	106	78252	-7281.141327	861697.3170250766	39.24142753074653	-100.8251412	342490.93485612806	34515.6898055059	3041.99323112063357	2911.5950507116346	2856.474663910711	2856.5903421273944	54.980868	56.0560849424022
553	106	78253	-6621.141327	861697.3170250766	39.2414280460821	-100.8228119	342691.964008021	34515.6819895684	3041.871577781184	2910.36222760916	2853.130934894434	2852.14271024515	57.12768738	58.16151020307672
554	106	78254	-5961.141327	861697.3170250766	39.2414283431749	-100.8204826	342892.9979825023	34514.8748949102	3041.81084353022	2909.129596895483	2850.02213686378	2848.814163559152	58.10958219071156	60.316322392786
555	106	78255	-5301.141327	861697.3170250766	39.24142861752425	-100.818153	343094.452863132	34515.6898055059	3041.71335629165	2907.9342721168915	2846.9213338002258	2846.171257889758075	52.83866250116224	
556	106	78256	-4641.141327	861697.3170250766	39.2414291262876	-100.815824	343295.064982371	3451.391590150497	3040.784455098364	2905.71653554477	2844.048751532374	2843.092771031697	62.67165401173473	
557	106	78257	-3981.141327	861697.3170250766	39.24142945013076	-100.8134947	343496.09152721585	3451.395050861065	3038.94575770756	2905.47777590765	2841.215554174368	2840.258607625687	64.2622179631031	65.1417520810807
558	106	78258	-3321.141327	861697.3170250766	39.24142969033748	-100.811655	343697.1224038963	3451.3190883311	3037.800965417335	2904.216968473375	2838.360262363187	2837.901773982564	65.8567614705487	66.31519710117113
559	106	78259	-2661.141327	861697.3170250766	39.24142992033748	-100.8088362	343898.1531285405	3451.271912768578	3037.638470663696	2902.934831	2836.530899663573	2835.580110163982	66.387317397207	67.3768212394778
560	106	78260	-2001.141327	861697.3170250766	39.241430061852185	-100.8050509	344099.1837	3038.4316988401	3038.4316988401	2901.631856249307	2835.485187679295	2834.246421193887	66.14667857051014	67.339721464305248
561	106	78261	-1341.141327	861697.3170250766	39.24143015777447	-100.8041776	344300.1412254505	3451.191921877678	3038.005846232527	2900.308564321084	2833.8037181844516	2834.6449907947364	64.504864	65.66373537
562	106	78262	-681.1413269	861697.3170250766	39.24143024470432	-100.8018483	344501.24439231225	3451.15.92569058	3040.0189374416987	2898.96414718025	2836.241339474139	2836.8482927254	62.7202313	52.1171490377113
563	106	78263	-11.14132693	861697.3170250766	39.241430286641736	-100.799519	344702.27451086463	3451.15.93305146	3041.970342181242	2897.802449048568	2833.931586212396	2841.678403739581	61.19920424232838	55.784304497696
564	106	78264	638.58673033514	861697.3170250766	39.241430247586734	-100.7971897	344903.3047844068	3451.07193518125	3040.5796254156	2896.2202579512036	2836.000945431617	2837.364149387557	61.2305439041915	55.8465604114792
565	106	78265	1298.58673033514	861697.3170250766	39.24143018153935	-100.794804	345104.3342951421	3040.9340231621	2894.188962502340	2894.8148890348806	2835.017383656637	2836.816470118153	59.8810564919687	58.0020182930233
566	106	78266	1958.58673033514	861697.3170250766	39.24143007409415	-100.7925311	345305.363612745	3450.0994542624	3041.298302362519	2893.5396232519	2833.51022735514	2835.339625176804	57.8567866450247	
567	106	78267	2618.58673033514	861697.3170250766	39.24142991446715	-100.7902019	345506.3934770108	3450.095905960258	3041.363332119238	2891.954091749347	2831.344441851399	2833.38156721035	58.6099489202512	58.633905
568	106	78268	3278.58673033514	861697.3170250766	39.24142971344243	-100.787826	345710.4224245502	3450.091564401225	3040.058446317926	2890.42494694777	2829.06213253323	2830.4561471789737	61.4296364054533	60.0158342050369
569	106	78269	3938.58673033514	861697.3170250766	39.2414295162569	-100.785439	345918.023616598	3450.091564401225	3040.058446317926	2889.42494694777	2829.06213253323	2830.4561471789737	61.4296364054533	60.0158342050369
570	106	78270	4598.58673033514	861697.3170250766	39.24142917645171	-100.783214	346109.4811238879	3450.08396103553	3040.058446317926	2889.42494694777	2829.06213253323	2830.4561471789737	61.4296364054533	60.0158342050369
571	106	78271	5258.58673033514	861697.3170250766	39.24142884	-100.7808487	346310.510400487	3450.07942729872	3038.29335544777	2885.99521836916	2816.255407415588	2817.76500840077	63.793793383276	68.230193434364
572	106	78272	5918.58673033514	861697.3170250766	39.24142845919275	-100.778554	346511.538809603	3450.0759036849	3037.000976	2884.45876078326	2811.111159	2811.986396493503	63.7468264854575	72.4723895845285
573	106	78273	6578.58673033514	861697.3170250766	39.24142803432406	-100.7762261	346712.5674256544	3450.0719072711	3037.726018105033	2882.9036278121935	2805.406716100283	2805.711411386567	67.4907172119505	77.1925136735672
574	106	78274	7238.58673033514	861697.3170250766	39.24142756435126	-100.773898	346913.5959325794	3450.0673999397	3022.442062003026	2881.32978581691	2800.03230160055	2799.808379640107	61.29748428112589	81.52140621480215
575	106	78275	7898.58673033514	861697.3170250766	39.24142704681487	-100.7715676	347114.5242131903	3450.0673999397	3018.819189137572	2879.13891313373	2798.153891313373	2798.153891313373	60.585268181981	80.962368319554
576	106	78276	8558.58673033514	861697.3170250766	39.24142651173	-100.7692387	347315.5869487173	3450.0673999397	3018.819189137572	2879.13891313373	2798.153891313373	2798.153891313373	60.585268181981	80.962368319554
577	106	78277	9218.58673033514	861697.3170250766	39.241425976674	-100.766909	347516.68047032	3450.0561221727	3018.819189137572	2879.13891313373	2798.153891313373	2798.153891313373	60.585268181981	80.962368319554
578	106	78278	9878.58673033514	861697.3170250766	39.241425261179	-100.7645797	347717.708248904	3450.0561221727	3018.819189137572	2879.13891313373	2798.153891313373	2798.153891313373	60.585268181981	80.962368319554
579	106	78279	10538.58673033514	861697.3170250766	39.2414253267039	-100.7622504	347918.7360943474	3450.0482980009	3017.4880519815815	2877.21396707466	2801.2929151470676	2801.7008475276977	62.9210519629702	62.51301954400883
580	106	78280	11198.58673033514	861697.3170250766	39.24142379173658	-100.7599211	348119.76358664	3450.044037567293	3012.61765498322	2871.54174657822	2812.691791950521	2812.691791950521	64.8989647	58.31592250282825
581	106	78281	11858.58673033514	861697.3170250766	39.2414230591035	-100.7575918	348320.79102032736	3450.044037567293	3007.847052177181	2869.85423480115	2810.588994041764	2811.120775595336	65.2633044287159	58.7316828476159
582	106	78282	12518.58673033514	861697.3170250766	39.241421489169	-100.7552618	348531.8134219176	3450.044037567293	3007.847052177181	2869.85423480115	2810.588994041764	2811.120775595336	65.2633044287159	58.7316828476159
583	106	78283	13178.58673033514	861697.3170250766	39.24142128989626	-100.7529332	348742.88454	3450.0361963216	3001.232202747488	2866.429057837774	2809.5679313116785	2809.5679313116785	65.1967851047946	
584	106	78284	13838.58673033514	861697.3170250766	39.24142037807719	-100.7506039	348923.872432337	3450.02780405914	3002.4638529516713	2864.6861304525	2804.457101140928	2804.294116939346	62.2941191359723	60.46705168179285
585	106	78285	14498.58673033514	861697.3170250766	39.2414201418129	-100.7482746	349124.8992758483	3450.02470139854	3003.695501361713	2862.9317271995706	2803.288297593568	2804.106617636303	61.8525120602535	58.8251096532763
586	106	78286	15158.58673033514	861697.3170250766	39.2414184	-100.7459454	349325.9259725024	3450.02081000033	3004.921733739696	2861.158678666596	2800.71049256506	2801.14290628996	60.44292610153745	60.015772579604
587	106	78287	15818.58673033514	861697.3170250766	39.24141735412316	-100.743661	349526.925	3450.01609704401	3002.878639317596	2859.365795546436	2798.285231334346	2798.674812298407	63.0805721300139	62.51834417795254
588	106	78288	16478.58673033514	861697.3170250766	39.241416244386	-100.7412692	349727.9780283956	3450.012606896	2997.549959667417	2857.553430674167	2811.120775595336	2811.120775595336	65.2633044287159	58.7316828476159
589	106	78289	17138.58673033514	861697.3170250766	39.2414139671151	-100.739068	349930.3107819176	3450.012606896	2997.549959667417	2857.553430674167	2811.120775595336	2811.120775595336	65.2633044287159	58.7316828476159
590	106	78290	17798.58673033514	861697.3170250766	39.2414139671151	-100.7369282	350103.014	3450.012606896	2997.549959667417	2857.553430674167	2811.120775595336	2811.120775595336	65.2633044287159	58.7316828476159
591	106	78291	18458.58673033514	861697.3170250766	39.2414129719647	-10								

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.f	BREIEvLogKrg.f	SatHLogKrg.f	SatHBoth.f
676	78373	72578.8586770335	861697.3170250766	39.24115822	-105.5432978	66814.713444275	434673.55593565	2868.0785149195905	277.1545909205064	267.9126920021963	267.3777628	36.6189820731006	34.1969617696446
676	78374	72538.8586770335	861697.3170250766	39.2411532539594	-105.5409831	667015.72595067095	434669.580080525	2868.926774446652	270.148533109541	268.04574734604173	29.69900459544444	29.6707985036311	29.6707985036311
676	78375	72698.8586770335	861697.3170250766	39.2411422309067	-105.5386392	668422.526138545	434665.69834064	2870.6071557431	270.871891691722	268.25100404829	25.7148118867434	25.7148118867434	25.7148118867434
676	78376	72588.8586770335	861697.3170250766	39.2411437790391	-105.53631	667417.57785197	434661.631099116	2870.10565023423	270.7263178514752	268.0534272488	26.08747154523	22.22401868685906	22.22401868685906
677	78377	75218.8586770335	861697.3170250766	39.24113807272507	-105.5339807	667618.76900052367	434667.656516728	2868.60634973723	270.854744303233	268.3710668351147	26.74734496641808	22.07647295218527	21.477544892465
678	78378	75878.8586770335	861697.3170250766	39.24113292255434	-105.5316514	667819.783094851	434663.68115866	2868.1187364014	270.4505223101513	268.193230432751	261.5067853130823	22.49678770686375	22.49678770686375
679	78379	76538.8586770335	861697.3170250766	39.24112737391756	-105.5293222	668020.7970617156	434664.798655205	2867.098258501441	270.9566708216024	267.1280685680976	267.560848259427	23.820625394275	23.820625394275
680	78380	77198.8586770335	861697.3170250766	39.24112248723731	-105.5269929	667821.81090131437	434646.7339857055	2863.558554411044	270.1501938245107	267.486209080042	267.3824114310482	26.0771733750646	26.0771733750646
681	78381	77898.8586770335	861697.3170250766	39.2411170291026	-105.5246386	668223.7409158451	434652.69834064	2868.0226654388654	270.040639194985	267.152068940662	266.667549848797	28.1885722520611	28.1885722520611
682	78382	78518.8586770335	861697.3170250766	39.24111187	-105.5223344	668223.7409158451	434637.78523751	2856.48635432056	269.872689506087	268.472179437253	30.1005061837222	34.29029279240831	34.29029279240831
683	78383	79178.8586770335	861697.3170250766	39.2411056482255	-105.5200051	668284.851655571	434633.81243225	2854.40827180657	269.7097554919975	266.333465710654	266.108685880595	31.70408923190357	31.70408923190357
684	78384	79838.8586770335	861697.3170250766	39.24110107670118	-105.5176758	669025.864911691	434629.833922363	2852.64020638177	269.6513939244886	266.212970357847	266.15682444313	33.0009688704138	33.0009688704138
685	78385	80498.8586770335	861697.3170250766	39.24109511587596	-105.5153466	669226.8781975204	434625.8663917	2851.394128187169	269.6412204179344	266.1722669473033	261.396195844933	42.72584323465071	42.72584323465071
686	78386	81158.8586770335	861697.3170250766	39.24109011048223	-105.5130173	669427.891727783757	434621.934935038	2849.9044769094194	269.62323059426	265.7742796518594	264.8804865292928	42.91584482497666	42.91584482497666
687	78387	81818.8586770335	861697.3170250766	39.24108456436506	-105.510868	669628.9204232225	434617.82067554	2847.704685817	269.1205790177014	265.526271225889	264.859663221692	42.91291179593959	42.91291179593959
688	78388	82478.8586770335	861697.3170250766	39.24107846296135	-105.508587	669829.0176111129	434613.94809915	2844.483867572837	268.6117460919536	265.2314212686003	264.735265858466	42.754796505506	42.754796505506
689	78389	83138.8586770335	861697.3170250766	39.24107330121543	-105.5060295	670030.32976462137	434609.975846904	2838.06370300775	268.106628802514	265.17427556031	264.65752691324	43.549389892738	43.549389892738
690	78390	83798.8586770335	861697.3170250766	39.24106761114298	-105.5037002	670231.94232484264	434606.0034671	2836.28250443683	268.597317	264.754059477012	264.7301618573462	43.63130712827065	43.63130712827065
691	78391	84458.8586770335	861697.3170250766	39.241061877078795	-105.5013709	670432.9547960529	434602.031419954	2835.24647681156	268.508710692755	264.4659101107004	264.60219005820542	44.8291037724025	44.8291037724025
692	78392	85118.8586770335	861697.3170250766	39.241056060022874	-105.4990417	670633.9671244553	434598.06	2832.876074201761	268.3793454832274	264.3390908767515	263.777163339963	42.2402561	45.80171894203766
693	78393	85778.8586770335	861697.3170250766	39.24105027092515	-105.4967124	670834.97938	434594.08786023	2830.1505831	268.2027304170577	263.82380318796704	263.037428242588	43.83312290906485	43.83312290906485
694	78394	86438.8586770335	861697.3170250766	39.24104405955258	-105.4943362	671035.9914077654	434590.11638034	2828.13367542223	268.34380471959573	264.8308471959573	264.8308471959573	43.799892561246	43.799892561246
695	78395	87098.8586770335	861697.3170250766	39.2410384590481	-105.4919783	671245.917521033	434586.15447518	2826.52042652571	268.1583023253711	264.78943237314282	264.78943237314282	43.757930552712	43.757930552712
696	78396	87758.8586770335	861697.3170250766	39.24103252588207	-105.4897246	671438.0151940551	434582.173302103	2823.47072569149	267.582407411462	262.571825470839	262.571825470839	43.710567740623154	43.710567740623154
697	78397	88418.8586770335	861697.3170250766	39.2410265208765	-105.4873954	671639.0269015209	434578.202978543	2821.150505260327	267.6909568125907	262.313739382623	262.225651825907	43.682577199998	43.682577199998
698	78398	89078.8586770335	861697.3170250766	39.24102047081564	-105.485061	671840.034857752	434574.23206425	2818.83102150916	267.4626101256104	262.057374285454	261.933087494293	43.65301804007	43.65301804007
699	78399	89738.8586770335	861697.3170250766	39.24101437586334	-105.4827386	672041.049458594	434570.26116551	2815.523222117628	267.163037280773	261.5770028490185	261.56980879	43.6186184	43.6186184
700	78400	90398.8586770335	861697.3170250766	39.241008237445	-105.4804076	672242.0612831706	434566.291	2811.2245248741617	267.1709856191956	264.105263	264.105263	43.59339395939	43.59339395939
701	78401	91098.8586770335	861697.3170250766	39.2410025089344	-105.4781678	672443.072497517	434562.379879892	2808.36786378992	267.2076718328797	264.118502316885	264.118502316885	43.5709262584834	43.5709262584834
702	78402	91718.8586770335	861697.3170250766	39.241011187	-105.475749	672644.35033121	434558.35033121	2806.44905477015	266.944905477015	263.48379091364	263.48379091364	43.552277776373	43.552277776373
703	78403	92378.8586770335	861697.3170250766	39.2409985455657	-105.4734198	672845.94551319	434554.381065799	2806.26661103679	266.7421358462046	266.633251	266.633251	43.5303505385	43.5303505385
704	78404	93038.8586770335	861697.3170250766	39.2409832600074	-105.4710905	673046.105408107	434550.4138102	2799.873397104673	266.6019265896434	266.741051703398	266.741051703398	43.5061986893271	43.5061986893271
705	78405	93698.8586770335	861697.3170250766	39.2409768105334	-105.4687613	673247.11612934276	434546.41878967	2799.412952443397	266.6432137139505	266.766031	266.766031	43.481963378057	43.481963378057
706	78406	94358.8586770335	861697.3170250766	39.2409705111436	-105.466432	673448.126719311	434542.47255709	2798.6905911151	266.6240778675973	266.7102594309324	266.7102594309324	43.4579183736745	43.4579183736745
707	78407	95018.8586770335	861697.3170250766	39.24096396163815	-105.4641027	673649.137217852	434538.50461733	2796.9340574128457	266.613045877173547	266.6809144423265	266.6809144423265	43.434493128022	43.434493128022
708	78408	95678.8586770335	861697.3170250766	39.2409574826217	-105.461778	673845.34547518	434534.53447518	2792.52042652571	266.59178795291	266.649237371034	266.649237371034	43.415793052712	43.415793052712
709	78409	96338.8586770335	861697.3170250766	39.24095056	-105.4594056	674045.157810935	434530.56679755	2788.361564606186	266.569232974214	266.68902186887	266.68902186887	43.39859646	43.39859646
710	78410	96998.8586770335	861697.3170250766	39.2409434144296	-105.457115	674252.167296597	434526.597	2784.19726065519	266.551925836946	266.6812813914295	266.6812813914295	43.3784137354678	43.3784137354678
711	78411	97658.8586770335	861697.3170250766	39.2409373	-105.4547857	674453.177922907	434522.62867618	2778.68117961446	266.561197613497	266.7404387829077	266.7404387829077	43.357019745631704	43.357019745631704
712	78412	98318.8586770335	861697.3170250766	39.240931046658154	-105.4524564	674654.1879814465	434518.64033678	2774.83141959567	266.5718854636014	266.7556412699006	266.7556412699006	43.33621461091214	43.33621461091214
713	78413	98978.8586770335	861697.3170250766	39.2409243217852	-105.4501272	674855.1975289945	434514.69280751	2778.985521419547	266.5707700438385	266.8034637531256	266.8034637531256	43.31506309279842	43.31506309279842
714	78414	99638.8586770335	861697.3170250766	39.2409175180739	-105.4477479	675056.2071872943	434510.74390071	2776.133701239493	266.5726614238914	266.8107378849537	266.8107378849537	43.29563353937626	43.29563353937626
715	78415	100298.8586770335	861697.3170250766	39.2409107494863	-105.4454818	675267.1881826	434506.7881826	2774.83141959567	266.569232974214	266.83902186887	266.83902186887	43.27490476783297	43.27490476783297
716	78416	100958.8586770335	861697.3170250766	39.24090371718375	-105.4431394	675468.221959571	434502.7950272	2774.09676823955	266.560271810601	266.870151801	266.870151801	43.255103231654	43.255103231654
717	78417	101618.8586770335	861697.3170250766	39.2408967231936	-105.4408102	675659.234706902	434498.812799083	2776.02572942974	266.56104333418	266.91248554363	266.91248554363	43.2346448578315	43.2346448578315
718	78418	10218.8586770335	861697.3170250766	39.24088092250504	-105.4384809	675860.2446259336	434494.85432108	2776.9					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Ln	BRIElevLogsKgf.ft	BRIElevBothKgf.ft	SatHtLogsKgf.ft	SatHtBoth.ft
59	78489	-328661.1413	623257.3170250766	39.2375279302757	-01.97349489	243363.6789112593	4347350.1747278895	3903.59070089842924	370.910399348692	3643.594359416034	3660.0809123696676	3660.0809123696676	49.8294861204238	49.8294861204238
60	78500	-328001.1413	623257.3170250766	39.23755056410093	-01.9711199	243564.8076639556	4347346.08622698	3906.967569595337	370.286125569177	3640.451388	3665.2054254698974	3665.2054254698974	53.0907270620033	53.0907270620033
61	78501	-327841.1413	623257.3170250766	39.2375739041151	-01.9687699	243765.6390269343	4347341.4727390878	3904.17804496917922	370.176948671963	3638.974668707143	3663.70368111406	3663.70368111406	55.01468573698884	55.01468573698884
62	78502	-326681.1413	623257.3170250766	39.2375756939121	-01.9664169	243967.0706304114	4347337.0108299253	3903.5835115001185	370.152700914586	3637.675619717434	3662.584372471544	3662.584372471544	56.18072745209419	56.18072745209419
63	78503	-326021.1413	623257.3170250766	39.237618275884202	-01.9641329	244168.2176747995	4347333.822241166	3899.2510457355114	370.3589305328434	3628.835888167821	3663.531022818364	3663.531022818364	58.06185046603978	58.06185046603978
64	78504	-32561.1413	623257.3170250766	39.237614904954	-01.9618039	244369.3325699423	4347329.334589315	3897.774484306311	370.2085534023197	3624.9406849718676	3663.747323111403	3663.747323111403	62.261216915135	62.261216915135
65	78505	-328701.1413	623257.3170250766	39.237663178824874	-01.9594749	244570.64381580356	4347325.647117242	3896.30392405999	370.4108923666387	3621.33211728904	3663.571955791676	3663.571955791676	66.22269475	66.22269475
66	78506	-328041.1413	623257.3170250766	39.23766582820776	-01.9571459	244771.593494735	4347321.595930858	3894.83036341341	3698.794341860327	3618.043390928436	3628.831554393847	3628.831554393847	70.7509693189157	70.7509693189157
67	78507	-327881.1413	623257.3170250766	39.23770780183386	-01.954817	244972.7357775255	4347314.7272390878	3897.157360792716	3698.1542981577743	3618.4528145787743	3622.862701382524	3622.862701382524	74.27458494729715	74.27458494729715
68	78508	-326721.1413	623257.3170250766	39.23773015686343	-01.952448	245173.638053472	4347313.386	3891.12761339778	3695.497116041182	3617.532352701444	3622.95320520247	3622.95320520247	76.055359434778	76.055359434778
69	78509	-326061.1413	623257.3170250766	39.237752444910065	-01.950159	245374.982896461	4347309.291707992	3889.150413183551	3693.8173857813076	3618.0395181078167	3618.6084365136484	3618.6084365136484	75.2089426756523	75.2089426756523
70	78510	-325401.1413	623257.3170250766	39.2377744897353	-01.94783	245576.1123120688	4347305.2152717526	3887.174194369652	3692.1125204202426	3609.9943467205135	3616.8584626795137	3616.8584626795137	75.25405774072897	75.25405774072897
71	78511	-324741.1413	623257.3170250766	39.237776808053766	-01.945501	245777.24138608112	4347301.1262221665	3885.711904318625	3690.383353921581	3609.811244413555	3616.6559685068219	3616.6559685068219	75.28871383214079	75.28871383214079
72	78512	-324081.1413	623257.3170250766	39.237818922150716	-01.943172	245978.7020709274	4347297.04005093	3884.7666912317495	3692.03894142077	3610.3223082015766	3612.5052	3612.5052	76.30708121263115	76.30708121263115
73	78513	-323421.1413	623257.3170250766	39.2378261926439	-01.940843	246179.49877262872	4347292.594062519	3883.82174111888	3696.80715824584	3610.8448181007184	3612.6108823957	3612.6108823957	76.35897127589073	76.35897127589073
74	78514	-322761.1413	623257.3170250766	39.23786301545063	-01.938514	246380.1627102703	4347288.869382903	3882.87626550538	3695.04684855258	3611.0304	3617.9698406236907	3617.9698406236907	76.37822132889513	76.37822132889513
75	78515	-322101.1413	623257.3170250766	39.23788494545254	-01.9361849	246581.75562458074	4347284.7686677	3881.8638015598413	3697.32173292379557	3610.698970309263	3624.914009586734	3624.914009586734	76.39331965	76.39331965
76	78516	-321441.1413	623257.3170250766	39.23790963	-01.9338559	246782.883081021	4347280.697	3880.784087642134	3681.361692668537	3609.68778925912	3627.85298176058	3627.85298176058	76.4173903410782965	76.4173903410782965
77	78517	-320781.1413	623257.3170250766	39.23792882	-01.9315269	246984.0106467806	4347276.61203846	3879.7043723727325	3679.479607201135	3608.251367248647	3623.7407982710165	3623.7407982710165	75.73880899118646	75.73880899118646
78	78518	-320121.1413	623257.3170250766	39.237951760290494	-01.9291979	247185.1376191104	4347273.526994712	3878.624659811274	3677.5087854132742	3606.30854729614	3622.21876714292	3622.21876714292	75.759269890253	75.759269890253
79	78519	-319461.1413	623257.3170250766	39.23797461305425	-01.9268689	247386.2660242885	4347264.42136943	3876.65251653045	3675.634976668037	3603.503942420574	3620.869171906226	3620.869171906226	75.76418947618115	75.76418947618115
80	78520	-318801.1413	623257.3170250766	39.237994215534734	-01.924539	247587.391	4347264.35746506	3874.0906439849302	3673.67150076948	3600.186271486473	3620.800710368871	3620.800710368871	75.7832282	75.7832282
81	78521	-318141.1413	623257.3170250766	39.23801562740846	-01.922199	247785.6180520639	4347261.82907908	3872.4380389352715	3671.630896928715	3600.3893927154	3620.739158888	3620.739158888	75.79789147330973	75.79789147330973
82	78522	-317481.1413	623257.3170250766	39.23803789094427	-01.9198189	247989.5447197617	4347256.186892237	3868.7769661491	3669.616337915671	3592.90807206255	3616.1833299181	3616.1833299181	75.75230709416058	75.75230709416058
83	78523	-316821.1413	623257.3170250766	39.238059203207556	-01.9175529	248190.7707474045	4347252.10451188	3866.4202714586154	3668.947548855783	3613.056488589267	3613.056488589267	3613.056488589267	75.7558122263547	75.7558122263547
84	78524	-316161.1413	623257.3170250766	39.23808078261529	-01.9152238	248391.896600359	4347248.20644554	3865.939439225219	3665.539439225219	3585.0587834966	3610.636077210573	3610.636077210573	75.49033621449392	75.49033621449392
85	78525	-315501.1413	623257.3170250766	39.23810231192599	-01.9128948	248593.0221667566	4347243.93060534	3862.317908118	3663.470732944403	3581.470373625944	3610.9669382094743	3610.9669382094743	75.45303734928795	75.45303734928795
86	78526	-314841.1413	623257.3170250766	39.23812379625291	-01.9105658	248794.174480558	4347239.83352501	3860.26582443021	3661.307418068787	3577.633649853739	3610.379191023346	3610.379191023346	75.43766945926768	75.43766945926768
87	78527	-314181.1413	623257.3170250766	39.238146255995915	-01.9082638	248995.2725592812	4347235.789896072	3858.61743158888	3659.3736989677305	3574.3308996277305	3610.844321	3610.844321	75.43224626634265	75.43224626634265
88	78528	-313521.1413	623257.3170250766	39.2381669454999	-01.9059078	249196.737666919	4347231.4867	3857.970194136227	3658.970194136227	3572.810327	3610.379191023346	3610.379191023346	75.432191291791	75.432191291791
89	78529	-312861.1413	623257.3170250766	39.2381876	-01.9035787	249397.5219434111	4347227.60332365	3856.0495287180456	3657.767280051854	35747.7726296194	3584.934233715367	3584.934233715367	75.20200122223451	75.20200122223451
90	78530	-312201.1413	623257.3170250766	39.238209283721226	-01.9012497	249598.646627852	4347225.01005079	3854.4739942715238	3652.54739942715238	3563.844505325664	3576.5240717408587	3576.5240717408587	76.01978268	76.01978268
91	78531	-311541.1413	623257.3170250766	39.2382305412828	-01.8989207	249799.7704329678	4347219.43838156	3853.2184764194	3650.30180832643	3561.08771705002	3569.0587566492745	3569.0587566492745	76.027358	76.027358
92	78532	-310881.1413	623257.3170250766	39.2382517755127	-01.8965917	250000.89417104964	4347215.359594959	3851.38487677892	3648.040855280941	3560.169300894716	3563.6041189592788	3563.6041189592788	76.031555146922	76.031555146922
93	78533	-310221.1413	623257.3170250766	39.23827256999012	-01.8942626	250202.6716289108	4347211.27373085	3848.557271	3645.765925322945	3558.73248446598	3559.095280109805	3559.095280109805	76.0338413919632	76.0338413919632
94	78534	-309561.1413	623257.3170250766	39.2382945144481	-01.8919332	250403.141041015	4347207.19135923	3847.72545436315	3643.451805141818	3557.1254232813	3558.3339097119053	3558.3339097119053	76.036917130033	76.036917130033
95	78535	-308901.1413	623257.3170250766	39.238315130915304	-01.8890466	250604.25171198436	4347203.10794001	3845.5941373993535	3641.913849989556	3553.62854489	3557.606971067538	3557.606971067538	76.03947431	76.03947431
96	78536	-308241.1413	623257.3170250766	39.2383361540155	-01.8872755	250805.3870085297	4347199.02867411	3843.1635165367834	3638.896772110603	3554.7859362479608	3558.451717816316	3558.451717816316	76.043364309593	76.043364309593
97	78537	-307581.1413	623257.3170250766	39.23835715490351	-01.8849465	251006.50960662366	4347194.046517947	3840.723319093431	3636.605105213473	3557.6366679747916	3563.45534734531	3563.45534734531	76.046834255	76.046834255
98	78538	-306921.1413	623257.3170250766	39.23837809942114	-01.8826175	251207.6319461363	4347190.86525401	3838.3011162547847	3634.3048575793296	3561.492399	3569.554574839783	3569.554574839783	76.04859592974	76.04859592974
99	78539	-306261.1413	623257.3170250766	39.23839898954416	-01.8802884	251408.75540532888	4347186.784125167	3836.3054054542485	3632.012079278313	3566.310589490337	3573.25169297588	3573.25169297588	76.050948722489	76.050948722489
100	78540	-305601.1413	623257.3170250766	39.23841953503274	-01.8778954	251609.8759930274	4347183.180131236	3834.6247549499405	3629.73164895231	3572.292730947074	3577.790433942758	3577.790433942758	76.05343942758	76.05343942758
101	78541	-304941.1413	623257.3170250766	39.2384416276483	-01.8759108	251810.9628951518	4347179.787521295	3832.787521295	36					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKg.f	BRLEvLogKg.f	SatThkLog.s	SatThkBoth.f
185	78	78625	-249501.1413	862357.3170250766	39.240028086183115	-101.6799869	268704.3558042542	344836.503145674	3684.6450851653162	3501.2115072666825	3502.1854359433396	3507.715296819876	0	0
186	78	78626	-248841.1413	862357.3170250766	39.24004505393455	-101.6778573	268905.4572589339	344832.438197691	3682.49753763262	3499.585104042624	3507.65031127391	3512.220487737296	0	0
187	78	78627	-248181.1413	862357.3170250766	39.24008198469848	-101.6765239	269166.584853458	344830.734353985	3687.648921421938	3497.96589858516	3512.77942780056	3516.41308538685	0	0
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234	78	78674	-217161.1413	862										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SatHtLogs.	SatHtBoth.
311	70771	-166341.1413	862357.3170250766	39.24181399	-101.3869569	290401.408855515486	3436325.779613952	3466.8524951505246	3265.4308325405104	3263.7297432929354	3263.700984644746	21.701089247575055	21.7298478957458	
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340	70780	-147201.1413	862357.3170250766	39.24212391604445	-101.3189522	299872.487109873	3436208.4792456	3398.474981677929	3235.42370584716	3211.615473893263	3218.181710455791	29.73621548737347	31.43621548737347	
341	70781	-146541.1413	862357.3170250766	39.24213398439415	-101.3162689	300073.50567595304	3436204.611675051	3398.474981677929	3235.42370584716	3211.615473893263	3218.181710455791	29.73621548737347	31.43621548737347	
342	70782	-145881.1413	862357.3170250766	39.2421439850291	-101.3142966	300274.619004364	3436200.57605177	3396.45262629386	3233.3136904534	3202.804575228614	3194.052911789857	29.127416808349	37.80400513967745	
343	70783	-145221.1413	862357.3170250766	39.24215382	-101.3119703	300473.8817286392	3436196.539719821	3393.89989298478	3230.29982238929	3200.626201623415	3189.974213862308	29.6730861514664	40.25306837609844	
344	70784	-144561.1413	862357.3170250766	39.2421639555539	-101.3094611	300676.7556077008	3436192.504018910	3392.031606674298	3228.670580548981	3198.424965704206	3187.251198410755	30.6411198410755	41.446683808567	
345	70785	-143901.1413	862357.3170250766	39.242173527944345	-101.3073118	300877.8279793254	3436188.4880244	3390.2982403764	3227.04505291689	3196.177313106899	3184.57148091929	30.86762184627162	42.52762433973203	
346	70786	-143241.1413	862357.3170250766	39.24218331534174	-101.3049825	301078.9789	3436184.19017906	3388.474981677929	3225.42370584716	3211.615473893263	3218.181710455791	29.73621548737347	31.43621548737347	
347	70787	-142581.1413	862357.3170250766	39.24219360907093	-101.3026352	301277.9578627777	3436180.39802455	3386.9607669262	3223.033624036937	3219.58178281	3213.09486818687	27.29696816583103	31.04287130066768	
348	70788	-141921.1413	862357.3170250766	39.24220275516185	-101.300324	301481.02483255253	3436176.33620591	3388.474981677929	3225.42370584716	3211.615473893263	3218.181710455791	29.73621548737347	31.43621548737347	
349	70789	-141261.1413	862357.3170250766	39.2422124578448	-101.2979487	301682.091774876	3436172.3028197	3388.950873735655	3220.57036121653	3196.915961217437	3174.934795348076	32.63599573	45.817614509866	
350	70790	-140601.1413	862357.3170250766	39.242222015015535	-101.2956564	301883.1585474768	3436168.29368275	3387.95297525718	3218.960421317147	3184.5450060528305	3171.6934281272325	34.01797117484818	47.266949984221	
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353	70793	-138621.1413	862357.3170250766	39.24225133154174	-101.288731	302469.998945556	3436156.19017906	3385.974981677929	3213.09486818687	3213.09486818687	3213.09486818687	27.29696816583103	31.04287130066768	
354	70794	-137961.1413	862357.3170250766	39.2422615398439415	-101.286343	302687.42363410264	3436152.157105781	3384.51273054716	3211.615473893263	3218.181710455791	29.73621548737347	31.43621548737347	31.43621548737347	
355	70795	-137301.1413	862357.3170250766	39.24227163729569	-101.284019	302888.8483194817	3436148.123	3386.86802	3210.825653849443	3212.440187068873	3153.338600401766	38.354667555566	56.8885830773627	
356	70796	-136641.1413	862357.3170250766	39.242282771477661	-101.28									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.	W.Lt.	BRtElevLogKrg.ft	BRtElevBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
437	107	78877	-83181.14133	862357.3170250766	39.2428565173328	-10.0930158	31973.2442776006	4345817.989257876	3213.124512248975	300.0476372014946	2996.8662123091804	3008.7953010764195	38.11424892314226	21.2523812507509
438	107	78878	-83221.14133	862357.3170250766	39.24289127963997	-10.090629	31976.2944776006	4345813.970866119	3228.969346	3007.634072454134	2993.8267638924217	3005.7692174110966	38.00730856171249	21.8648504303756
439	107	78879	-83161.14133	862357.3170250766	39.2428696266372	-10.088372	31977.3449334783	4345809.952681119	3285.8006119	3005.2236614044293	2990.7762363488963	3003.245651863293	38.44472116	21.8743881144537
440	107	78880	-83201.14133	862357.3170250766	39.2429004107456	-10.090629	31978.3949671006	4345806.934387325	3226.76700584722	3002.8196467169337	2988.1770067876016	3001.751651159506	38.42623710603271	21.5545515537276
441	107	78881	-80541.14133	862357.3170250766	39.24290785420249	-10.0836985	320179.44488374854	4345801.917993369	3226.6834383839	3002.42056570575	2984.7944704395263	2999.72884930954	35.629686131048564	20.69519736
442	107	78882	-79881.14133	862357.3170250766	39.24291342237348	-10.0813692	320380.454954796	4345799.9369136603	3226.3580205295956	3018.0398929327866	2980.42771332234	2998.1443009342054	31.16716160055254	19.89559148955984
443	107	78883	-79221.14133	862357.3170250766	39.242918845479515	-10.0790399	320581.54413005523	4345798.881663563	3225.825701134488	3015.6696513931583	2976.591671764794	2992.254330802469	30.8755271667893	23.41532095689314
444	107	78884	-78561.14133	862357.3170250766	39.24292423628584	-10.0767105	320762.59438971	4345789.96437242	3224.44404015034365	3013.3198234134	2972.275325007493	2991.9806284774963	40.74566573042235	31.3373697866369
445	107	78885	-77961.14133	862357.3170250766	39.24292956784695	-10.0743812	320963.6426740349	4345785.847268634	3223.0281019182988	3010.8911200613566	2968.821683457897	2974.731802	36.2583183143537	21.8743881144537
446	107	78886	-77411.14133	862357.3170250766	39.24293454944783	-10.072019	321184.6918631365	4345781.55	3221.6158011891334	3008.944330246435	2964.4504040340454	2969.473525245547	42.11028250598106	21.2147678880796
447	107	78887	-76581.14133	862357.3170250766	39.24294008811795	-10.0697226	321385.760173274	4345778.31805816	3219.801589178798	3006.433419	2960.68585654763	2968.684953103575	47.4685075	39.7484621
448	107	78888	-75921.14133	862357.3170250766	39.24294529	-10.0673932	321586.789176278	4345773.7053995	3217.585373584778	3004.215306710701	2956.85672603917	2945.585145793138	47.35885817514718	38.307852765289
449	107	78889	-75281.14133	862357.3170250766	39.242950439479216	-10.0650369	321787.8376515046	4345769.78083148	3213.36918799057	3002.0465810581854	2952.7960519586624	2959.745349377202	49.255925072503014	42.30121316804521
450	107	78890	-74601.14133	862357.3170250766	39.24295564767033	-10.0627346	321988.8895706221	4345761.7449594	3213.153002396737	2999.9324171819335	2948.6147145140983	2956.20643439277	51.167147164035215	43.72928428
451	107	78891	-73941.14133	862357.3170250766	39.2429610868415	-10.0604053	322189.931084049	4345761.7449594	3211.95524396137	2997.875521776478	2944.107004780011	2944.7581284747302	42.94032562672847	40.9862625672847
452	107	78892	-73281.14133	862357.3170250766	39.2429662907346	-10.0580769	322390.8620708055	4345757.7326720075	3211.775912385082	2995.800331027186	2930.4117438034094	2951.8868437952574	56.4690892971959	43.9308927510674
453	107	78893	-72621.14133	862357.3170250766	39.24297060285446	-10.0557466	322592.029894804	4345753.71036395	3211.595860986653	2993.95218446858	2933.1230363172294	2947.556387146482	58.8296313141853	46.39623163978186
454	107	78894	-71961.14133	862357.3170250766	39.24297535054395	-10.0534173	322793.077445989	4345749.70158324	3211.4749432234	2992.03966430172	2932.5614816335665	2941.2422322420937	52.1832166830572	50.1514105958176
455	107	78895	-71301.14133	862357.3170250766	39.24298041373023	-10.0510879	322994.12491640146	4345745.68631478	3210.3168375618206	2991.459591368469	2931.90683265755	2939.212214514578	58.3963813102714304	51.092773670171185
456	107	78896	-70641.14133	862357.3170250766	39.24298525196303	-10.0487586	323195.1721850796	4345741.67122957	3208.295428574424	2988.5862061582837	2932.016376567893	2933.691581842486	59.6295829480062	54.9470479663516
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458	107	78898	-69321.14133	862357.3170250766	39.24299475409355	-10.0440998	323597.260323879	4345733.642	3204.253736076695	2996.3540946410156	2931.27861421543	2933.703486113504	54.0795321647285	51.7848610256748
459	107	78899	-68661.14133	862357.3170250766	39.242999670517	-10.041778	323797.454262927	4345729.67023246	3203.4749615474	2995.844642	2931.313128	2933.5483325254	54.0795321647285	51.7848610256748
460	107	78900	-68001.14133	862357.3170250766	39.24300415495554	-10.039413	323999.3593260126	4345725.613	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
461	107	78901	-67341.14133	862357.3170250766	39.24300877	-10.0371119	324200.4060387374	4345721.59854997	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
462	107	78902	-66681.14133	862357.3170250766	39.24301336590781	-10.0347826	324401.452272978	4345717.58457123	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
463	107	78903	-66021.14133	862357.3170250766	39.2430178789789	-10.0324533	324602.4983355203	4345713.7071037	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
464	107	78904	-65361.14133	862357.3170250766	39.2430223807573	-10.0301239	324803.544226006	4345709.75154397	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
465	107	78905	-64701.14133	862357.3170250766	39.243026971735041	-10.0278676	325044.598463898	4345705.94721303	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
466	107	78906	-64041.14133	862357.3170250766	39.24303165142425	-10.0255835	325205.6354951043	4345701.934717515	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
467	107	78907	-63381.14133	862357.3170250766	39.24303550280284	-10.0231359	325406.860872944	4345697.51405732	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
468	107	78908	-62721.14133	862357.3170250766	39.243039801295446	-10.0208066	325607.768001296	4345693.50452335	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
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470	107	78910	-61401.14133	862357.3170250766	39.24304826296418	-10.0161479	326009.815933175	4345685.4930778	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
471	107	78911	-60741.14133	862357.3170250766	39.24305242628716	-10.0138186	326210.86067972914	4345681.468978804	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
472	107	78912	-60081.14133	862357.3170250766	39.243056917375041	-10.0114493	326411.9256202927	4345677.45426291	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
473	107	78913	-59421.14133	862357.3170250766	39.243060179732	-10.0091598	326612.656322555	4345673.443	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
474	107	78914	-58761.14133	862357.3170250766	39.2430646432919	-10.0068306	326813.99375071976	4345669.43081793	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
475	107	78915	-58101.14133	862357.3170250766	39.2430686296186	-10.0045013	327015.037688812	4345665.4198733	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
476	107	78916	-57441.14133	862357.3170250766	39.24307256806129	-10.0021719	327216.0168162161	4345661.408	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
477	107	78917	-56781.14133	862357.3170250766	39.24307614547475	-10.0009426	327417.12581693254	4345657.396837979	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
478	107	78918	-56121.14133	862357.3170250766	39.243080303	-10.0007913	327618.1688103425	4345653.38579028	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
479	107	78919	-55461.14133	862357.3170250766	39.2430844132704	-10.0004873	327819.3092538996	4345649.364205137	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
480	107	78920	-54801.14133	862357.3170250766	39.24308787110054	-10.0002546	328019.5253263996	4345645.364205137	3201.947634412096	2992.3897473597362	2928.185469311993	2924.80301	54.0795321647285	51.7848610256748
481	107	78921	-54141.14133	862357.3170250766	39.24309158509597	-10.0000252	328221.2983361768	4345641.35374704	3201.947634412096	2992.3897473597362	2928.185469311993	2924.		

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThKrg.ft	SatThBothKrg.ft	
563	107	79003	-21.311423693	862357.3170250766	-79.24324297	-100.799519	344706.2728911923	4345313.116329705	3039.3000483724704	2979.52576758067	2835.2342179225093	2840.462436636921	29.1145747835557594	57.06330209414591
564	107	79004	638.8586730733514	862357.3170250766	-79.2432429507287	-100.7917897	344907.302700253	4345308.11026811	3042.3072972597065	2896.133114072304	2834.685586657263	2836.048470826109	61.46752141504133	60.08464325
565	107	79005	1298.8586730733514	862357.3170250766	-79.24324298432364	-100.7908624	344814.325454575	4345305.15962628	3045.441411088425	2894.7209191027207	2833.581586049451	2816.3223899784203	61.13232889784203	60.0334406091979
566	107	79006	1858.8586730733514	862357.3170250766	-79.24324277330807	-100.792531	345309.361801077	4345301.13069513	3048.51209244411	2893.2684311298704	2831.94456092857	2813.3369740290546	61.3670274201334	62.0360530391572
567	107	79007	2218.8586730733514	862357.3170250766	-79.243242617244604	-100.7902016	345510.3913334884	4345297.136	3048.61778116604	2893.8119543832633	2830.213887378372	2830.47748823739016	61.6180670628131	61.60496111075167
568	107	79008	3278.8586730733514	862357.3170250766	-79.24324241621476	-100.7878723	345711.420301416	4345293.11462273	3045.784418304219	2890.3572099718535	2827.516703656892	2827.516703656892	62.84045896051314	62.6369036793312
569	107	79009	3938.8586730733514	862357.3170250766	-79.2855429	-100.7855429	345912.4043535055	4345289.14725857	3042.8909755943284	2888.862999473284	2824.310824	2824.92779561855	64.5213601662854	63.93516738547508
570	107	79010	4598.858673073351	862357.3170250766	-79.243241879174384	-100.7832136	346113.4782106206	4345285.15304619	3040.039731879449	2889.34589239183	2819.8891966067836	2819.8891966067836	64.7576222309674	66.3722497339885
571	107	79011	5258.858673073351	862357.3170250766	-79.24324154116384	-100.7808624	346314.5086369563	4345281.15902223	3038.78441282343	2885.81128671156	2815.55751954516	2815.55751954516	65.9717678893025	68.1707678893025
572	107	79012	5918.858673073351	862357.3170250766	-79.24324116215971	-100.7785549	346515.535120471	4345277.165	3031.1316605157	2884.2655358936256	2810.7332644940484	2811.53392605171	67.5322284457175	72.75222784196437
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577	107	79017	9218.858673073351	862357.3170250766	-79.24323862235605	-100.7669802	347520.6761615497	4345257.1981721915	3015.97088858777	2876.230322411496	2800.083046166665	2800.083046166665	74.14892590475308	77.0559040880556
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585	107	79025	14598.858673073351	862357.3170250766	-79.243231469171	-100.747428	349133.989688807	4345225.263989807	2996.361851645744	2863.128671754714	2802.821418395822	2802.821418395822	78.5501241480977	81.0954964402926
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588	107	79028	16478.858673073351	862357.3170250766	-79.2432298469584	-100.7412853	349731.972688447	4345213.28854951	2999.968236619504	2858.026162748102	2792.375874640151	2793.5334945457767	79.64502811095736	81.0954964402926
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591	107	79031	18498.858673073351	862357.3170250766	-79.2432257343081	-100.7342973	350335.338571778	4345201.316883987	2997.6118885896925	2851.3694341675987	2778.478778654947	2778.478778654947	80.058551310064	81.0954964402926
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600	107	79040	24398.858673073351	862357.3170250766	-79.24321223	-100.7133332	352144.27594053035	4345165.41740638	2995.577167789025	2832.83154858032	2760.849512791915	2760.849512791915	80.73647357350125	81.0954964402926
601	107	79041	25058.858673073351	862357.3170250766	-79.2432105848218	-100.7110038	352345.3002747311	4345161.43219297	2995.516436418045	2830.676312085445	2759.0792031908363	2759.0792031908363	80.798473116652314	81.0954964402926
602	107	79042	25718.858673073351	862357.3170250766	-79.24320881003163	-100.708745	352546.3245	4345157.43266439	2995.1581579074465	2828.317743040127	2758.72673456513	2758.72673456513	80.8522606943314	81.0954964402926
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605	107	79045	27698.858673073351	862357.3170250766	-79.24320417823898	-100.701769	353149.38673898	4345144.46921024	2994.210548354324	2822.07314926104	2756.498175620117	2756.498175620117	81.028543027113	81.0954964402926
606	107	79046	28358.858673073351	862357.317025076										

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft	
68	7017	79129	8318.58567307335	862357.3170250766	39.424858904925686	-010.5060222	70034.9042480684	434811.144207084	2842.984931646574	26.82763889557554	2648.4450323494635	2645.691735322802	39.178867262918774	41.931951467452084
690	7017	79130	8318.58567307335	862357.3170250766	39.42486013470855	-010.5069329	70235.91653687164	4344807.171854427	2838.840336639222	2686.120087594633	2646.013366643226	2641.51291315352	40.170406251038	44.30479644125091
691	7017	79131	8318.58567307335	862357.3170250766	39.42482456948864	-010.5074771	70463.9986967163	434803.1986967163	2837.149070089174	2684.817041909174	2643.198491909174	2637.781009421	41.818205918425	45.8784039345306
692	7017	79132	8318.58567307335	862357.3170250766	39.42486878925565	-010.4990432	70633.91403733673	434831.15297154723	2834.9112597154723	2684.212420366457	2635.95102174822	42.9032488875467	47.1645773121949	
693	7017	79133	8318.58567307335	862357.3170250766	39.4248626409991	-010.4967409	70838.9530540825	4344795.258997618	2832.673138165143	2681.617133951399	2637.0765407253466	2632.98147126569	48.556095226052574	48.6356584828022
694	7017	79134	8318.58567307335	862357.3170250766	39.4248570391131	-010.4943756	71039.9644041154	4344791.284276657	2830.126696849783	2678.126696849783	2633.9558145942197	2632.98147126569	49.12925190267314	50.4925190267314
695	7017	79135	8318.58567307335	862357.3170250766	39.4248511772895	-010.4920463	71240.970799363	4344787.312835171	2828.06904	2678.6343506711	2630.99081790922	2626.485383996296	47.64267115788815	52.14815780871044
696	7017	79136	8318.58567307335	862357.3170250766	39.4248511855558	-010.4897169	71441.98835179163	4344783.314575251	2825.654960013708	2677.1510582857827	2627.1728078629744	2625.850447446201	49.27594250422269	51.30085333968186
697	7017	79137	8318.58567307335	862357.3170250766	39.4248570391131	-010.4873786	71642.988698715	4344795.258997618	2825.654960013708	2677.1510582857827	2627.1728078629744	2625.850447446201	51.30085333968186	
698	7017	79138	8318.58567307335	862357.3170250766	39.42483316322548	-010.4850593	71844.011264311	4344775.399600727	2823.77291024844	2674.211267394748	2620.245617911998	2618.88085908705	53.53502326	
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700	7017	79140	8318.58567307335	862357.3170250766	39.42482092793038	-010.4803996	72246.036835807	4344767.45835102	2817.763381361016	2671.313168120629	2613.9414699618283	2612.2698538395933	57.189715880008	59.04237227469939
701	7017	79141	8318.58567307335	862357.3170250766	39.42481744279209	-010.4780703	72447.0470853496	4344763.484798811	2808.237431404016	2669.880339720079	2610.098092734407	2610.0749265147	59.78703544647384	61.77563045490433
702	7017	79142	8318.58567307335	862357.3170250766	39.4248081266106	-010.475471	72648.0556108096	4344759.518	2803.711564044995	2668.458985790536	2607.3328105673645	2605.555832766582	61.126175223171686	62.90315302395402
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704	7017	79144	8318.58567307335	862357.3170250766	39.42479691742077	-010.471084	73050.0774079236	4344751.5780311525	2801.788001781525	2665.654112551549	2606.320911226674	2605.555832766582	62.90315302395402	
705	7017	79145	8318.58567307335	862357.3170250766	39.42478952311152	-010.4687351	73251.0678531724	4344747.638404912	2800.241438	2664.272881658004	2606.7496955705838	2606.60235460514	63.152759521664	65.6855233296853
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708	7017	79148	8318.58567307335	862357.3170250766	39.4247701807257	-010.4617651	73854.118458137	4344735.76015013	2796.514173217052	2660.214437802517	2611.0103336482	2611.0103336482	64.15800417264816	65.6855233296853
709	7017	79149	8318.58567307335	862357.3170250766	39.42476364194751	-010.4594358	74055.128506879	4344731.73174165	2790.954427878291	2658.88477495473	2611.283590352013	2611.283590352013	64.15800417264816	65.6855233296853
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711	7017	79151	8318.58567307335	862357.3170250766	39.4247505187481	-010.4547717	74457.164241238	4344723.76295961	2784.573418581	2656.217351324873	2606.320911226674	2605.555832766582	64.15800417264816	65.6855233296853
712	7017	79152	8318.58567307335	862357.3170250766	39.424743736751486	-010.4524478	74658.157922444	4344718.0210037	2777.56717286537	2654.578902074767	2604.159438369353	2604.159438369353	64.15800417264816	65.6855233296853
713	7017	79153	8318.58567307335	862357.3170250766	39.424736710710088	-010.4501185	74859.1674927582	4344715.857927347	2773.369024177163	2653.696946617284	2603.49923221182	2603.49923221182	64.15800417264816	65.6855233296853
714	7017	79154	8318.58567307335	862357.3170250766	39.42473004165763	-010.4477892	75060.1768779776	4344711.889304555	2769.0700372683	2652.425552288337	2602.1289964462896	2602.1289964462896	64.15800417264816	65.6855233296853
715	7017	79155	8318.58567307335	862357.3170250766	39.424723426621794	-010.4454599	75261.1862310426	4344707.92122161	2767.325551885676	2651.158482288275	2599.669406782777	2599.66940678275	64.15800417264816	65.6855233296853
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717	7017	79157	8318.58567307335	862357.3170250766	39.42470969	-010.440814	75663.20683362	4344699.5412631	2762.9495412631	2648.0025412631	2597.49193999695	2597.49193999695	64.15800417264816	65.6855233296853
718	7017	79158	8318.58567307335	862357.3170250766	39.42470271155532	-010.4384719	75864.213919098	4344696.013777755	2760.7484619909	2646.013366643226	2595.620817177956	2595.620817177956	64.15800417264816	65.6855233296853
719	7017	79159	8318.58567307335	862357.3170250766	39.42469571649186	-010.4361428	76065.2224667178	4344692.05286835	2758.2761759189525	2644.61458166935	2593.62303737739	2593.62303737739	64.15800417264816	65.6855233296853
720	7017	79160	8318.58567307335	862357.3170250766	39.42468868	-010.4338113	76266.2311944583	4344688.08573042	2756.43149529878	2642.92149529878	2591.698110857135	2591.698110857135	64.15800417264816	65.6855233296853
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722	7017	79162	8318.58567307335	862357.3170250766	39.42467446	-010.4291547	76668.2429355837	4344680.15251189	2752.945436693124	2642.44036693124	2589.538777220144	2589.538777220144	64.15800417264816	65.6855233296853
723	7017	79163	8318.58567307335	862357.3170250766	39.42466725853985	-010.4268254	76869.25865542	4344676.1851417	2751.315734349867	2641.203281719788	2588.36305977106	2588.36305977106	64.15800417264816	65.6855233296853
724	7017	79164	8318.58567307335	862357.3170250766	39.4246607	-010.4244691	77069.261684125	4344672.91874326	2749.959578	2640.025417563936	2587.49193999695	2587.49193999695	64.15800417264816	65.6855233296853
725	7017	79165	8318.58567307335	862357.3170250766	39.4246528166955	-010.4221668	77267.273054127	4344668.35979505	2748.04339398627	2638.721112413215	2586.40929	2586.40929	64.15800417264816	65.6855233296853
726	7017	79166	8318.58567307335	862357.3170250766	39.42464549	-010.4198375	77472.280170194585	4344664.2881758	2746.349542778625	2637.4606452190096	2585.34274293256	2585.34274293256	64.15800417264816	65.6855233296853
727	7017	79167	8318.58567307335	862357.3170250766	39.42463813676987	-010.4175081	77673.28891794186	4344660.32228685	2744.058043719625	2636.206594036714	2584.17751951793	2584.17751951793	64.15800417264816	65.6855233296853
728	7017	79168	8318.58567307335	862357.3170250766	39.424630736831366	-010.4151788	77874.29675450793	4344656.35708621	2742.16335540879	2634.950926710837	2583.06134189471	2583.06134189471	64.15800417264816	65.6855233296853
729	7017	79169	8318.58567307335	862357.3170250766	39.4246231990447	-010.4128495	78075.3041948485	4344652.391794927	2740.24939290225	2632.75723701434972	2581.940471655247	2581.940471655247	64.15800417264816	65.6855233296853
730	7017	79170	8318.58567307335	862357.3170250766	39.4246158197717	-010.4105012	78276.2119681676	4344648.426702855	2738.34360739581	2632.43460739581	2580.8144406845713	2580.8144406845713	64.15800417264816	65.6855233296853
731	7017	79171	8318.58567307335	862357.3170250766	39.4246087153434	-010.4081656	78477.2617416505	4344644.2881758	2736.44033938627	2630.5433938627	2579.70433938627	2579.70433938627	64.15800417264816	65.6855233296853
732	7017	79172	8318.58567307335	862357.3170250766	39.4246017	-010.4058126	78678.267145505	4344640.47062433	2734.53220662326	2628.6343848594	2578.226910776578	2578.226910		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRRElevLogs.fg	BRRElevLogs.fg	SatHtLogs.fg	SatHtLogs.fg
75	78	79255	-322101.1413	863017.3170250766	39.29699756	-101.9362132	468585.84781990116	3474786.05811135	3862.1479457169967	3681.67064642246386	3608.0241698560594	3616.7376325021173	74.63467456857915	64.9339132925214
76	78	79256	-321441.1413	863017.3170250766	39.2971949693416	-101.9338841	24678.9544421989	3474781.80174659	3881.121913	3679.802565389251	3606.642626056991	3614.540570180196	73.16032249612461	64.86168835973514
77	78	79257	-320781.1413	863017.3170250766	39.297413666706	-101.931526	24688.1028136437	3474777.884870942	3880.0902452578	3677.9037663044324	3604.981558096176	3617.7148327656	73.92721539925651	60.29134791867662
78	78	79258	-3201121.1413	863017.3170250766	39.297637321422394	-101.929226	24719.22993474413	3474773.8093806775	3679.0698470502877	3675.980253038461	3602.9530760039375	3607.995070040034	73.07371961905577	57.9922034810676
79	78	79259	-319461.1413	863017.3170250766	39.2978503118949	-101.9268969	24730.3568048373	3474769.72277157	3674.49960727263	3674.040615338941	3600.158357909378	3618.809122160872	73.9522524266274	55.23149171806883
80	78	79260	-318801.1413	863017.3170250766	39.2980678591782	-101.9245678	24759.143320547862	3474763.936036274	3675.2362793963274	3672.760578017136	3596.975296720261	3619.206768688303	73.90044733145257	52.84590328012029
81	78	79261	-318141.1413	863017.3170250766	39.29828405679395	-101.922238	24772.60979526452	3474755.454360225	3673.022579089642	3670.063364176729	3593.47963070457	3620.193727069933	73.85376110627205	49.86959210679606
82	78	79262	-317481.1413	863017.3170250766	39.2985016052144	-101.9199097	24793.7391564503	3474757.47	3670.887827708314	3668.031111366310	3590.1396845660785	3619.578878814367	73.8932685605284	48.45423415919463
83	78	79263	-316821.1413	863017.3170250766	39.29871780410006	-101.9175806	24819.8417642677	3474753.38	3668.746566793834	3665.87538125915	3588.332543125915	3617.07142693406	73.84272880724561	46.858116791840984
84	78	79264	-316161.1413	863017.3170250766	39.2989335552296	-101.915125	24835.967407135	3474749.20156994	3665.83564400929	3663.890364147774	3582.508455529613	3612.724717125974	73.815053911259	51.16520328869456
85	78	79265	-315501.1413	863017.3170250766	39.29914885111005	-101.9129225	24859.71127801312	3474745.21752005	3664.9247214357633	3661.777249	3578.764351842086	3608.0611709746427	83.01289729423388	53.7160718887727
86	78	79266	-314841.1413	863017.3170250766	39.2993636996406	-101.9105934	24878.2379022773	3474741.13778009	3663.013798654888	3659.637568	3575.04597563179	3603.46046962676	84.5919261430659	56.19152155243217
87	78	79267	-314181.1413	863017.3170250766	39.2995780987209	-101.908243	24899.6776776647	3474737.05016741	3661.37678017868	3657.1477054455496	3571.619783275887	3602.425163458133	85.9192271701683	55.04651974816276
88	78	79268	-313521.1413	863017.3170250766	39.29979204775054	-101.9059352	24920.4874673431	3474733.9674381	3660.013605402717	3655.284171067395	3567.72719664121	3600.397176621387	85.5427349586295	54.839648448231
89	78	79269	-312861.1413	863017.3170250766	39.2999054852905	-101.903661	24940.61178102478	3474728.938305937	3658.605496018775	3653.0702072251556	3568.70022994951	3598.705897867215	85.4781243200481	54.36361748343476
90	78	79270	-312201.1413	863017.3170250766	39.30012186925585	-101.901271	24960.739103585	3474724.8	3657.2872953763	3650.83952	3558.73221153042	3587.39465154045	85.10731662839817	63.44487660175336
91	78	79271	-311541.1413	863017.3170250766	39.3003411957311	-101.898948	24980.83997174002	3474710.7190749	3655.444894038623	3648.591011676767	3553.46253717402	3569.57171216122	85.12647436272548	79.01824517556565
92	78	79272	-310881.1413	863017.3170250766	39.300564334535404	-101.8966189	25004.88543253578	3474716.63421993	3653.123217831185	3646.326594050187	3547.6605479091786	3553.144172540018	85.968476441100384	93.18242151106175
93	78	79273	-310221.1413	863017.3170250766	39.30078550451242	-101.8942896	25020.1068114364	3474712.55242716	3650.851005583887	3644.049046	3546.1721746304756	3545.361006776234	87.87687148806435	98.68830935130653
94	78	79274	-309561.1413	863017.3170250766	39.3010626290412	-101.8919607	25040.72295017012	3474708.407111719	3648.479883658265	3641.7642104989272	3548.933445369054	3546.410546572026	89.57516513077367	95.3586893780004
95	78	79275	-308901.1413	863017.3170250766	39.30127770951404	-101.8896316	25068.35284176902	3474703.387989891	3646.017428281003	3639.470682083062	3551.089245442438	3550.037371973629	88.34914366404821	89.43787107204935
96	78	79276	-308241.1413	863017.3170250766	39.3014874453145	-101.8873205	25088.4975	3474700.366073885	3643.515458313167	3637.14733089054	3552.35257526406	3553.6961572857394	88.5784373366481	83.48905172317007
97	78	79277	-307581.1413	863017.3170250766	39.30169745476704	-101.8849734	25118.78190564	3474723.24	3642.731935240534	3642.4714282970164	3549.981726810681	3549.298816771869	88.5898165771869	83.48905172317007
98	78	79278	-306921.1413	863017.3170250766	39.3019057961705	-101.882343	25121.720305795	3474722.14763741	3638.200591963937	3632.60848904815	3553.94236831229	3558.453417	79.624434355583	74.17072052
99	78	79279	-306261.1413	863017.3170250766	39.3021157966165	-101.8803152	25142.81404905072	3474738.0619168	3635.967135298343	3630.32533807462	3554.532699941944	3557.8730218748815	76.9923683134579	72.45231643
100	78	79280	-305601.1413	863017.3170250766	39.30232347476064	-101.8779861	25161.963599003	3474733.9620126	3634.477420556126	3628.050801993339	3544.5304717048625	3563.565683027105	75.2303209	64.4851189662304
101	78	79281	-304941.1413	863017.3170250766	39.3025323485405	-101.875657	25185.080129916	3474739.89207063	3628.20348812882	3625.785531819345	3552.529279916678	3574.778347139017	74.2924237	51.00017908302774
102	78	79282	-304281.1413	863017.3170250766	39.3027400961915	-101.873279	25201.2061803817	3474737.81839488	3630.32895571052	3623.5091699742425	3549.2354736719562	3591.670821161113	74.27396630228623	31.838348312129414
103	78	79283	-303621.1413	863017.3170250766	39.30294730089463	-101.870968	25221.3710272757	3474737.73768389	3628.06211924077	3621.246768676863	3548.981726810681	3549.298816771869	73.65830472696731	73.425334174682304
104	78	79284	-302961.1413	863017.3170250766	39.303155705204	-101.868667	25248.7471329377	3474737.81839488	3625.8467329173	3625.467429187123	3545.854938724513	3609.81747507164	73.18371014755488	73.425334174682304
105	78	79285	-302301.1413	863017.3170250766	39.3033653537117	-101.8663046	25261.589	3474735.7075067	3627.85373825238	3616.7603210691004	3545.23326873005	3612.730041843232	75.752022960546	42.09379225746434
106	78	79286	-301641.1413	863017.3170250766	39.3035760536611	-101.8640115	25280.6883970491	3474735.497100911	3627.239297708911	3614.54105268716	3544.074231179548	3605.61598173021704	74.5010520176192	0
107	78	79287	-300981.1413	863017.3170250766	39.3037716071518	-101.8616824	25302.18033901835	3474735.47128661	3625.737742251186	3612.34124191059	3543.3262196782334	3616.5134894019234	80.0150222336548	0
108	78	79288	-300321.1413	863017.3170250766	39.303976	-101.859353	25322.22063561982	3474733.3434589	3623.348517291341	3610.163468827776	3542.782022070866	3609.644822949605	87.38152911713	0.5151239331726174
109	78	79289	-299661.1413	863017.3170250766	39.3041815671515	-101.8570242	25342.0474897597	3474732.75274795	3620.4599702514956	3608.01669588584	3542.910712	3598.03698819565	89.099980815655	93.70103098801526
110	78	79290	-299001.1413	863017.3170250766	39.3043961123713	-101.8546495	25362.1669897819	3474732.1780564	3618.517035216504	3606.93848478362	3542.4714282970164	3549.298816771869	89.2977792657	93.70103098801526
111	78	79291	-298341.1413	863017.3170250766	39.304605817572564	-101.852366	25386.2857	3474733.094971008	3616.24145990268	3603.790325485827	3545.8042936476	3582.6114667817828	89.66900480374045	92.1178886061031
112	78	79292	-297681.1413	863017.3170250766	39.3048197196821965	-101.8500369	25402.74043859347	3474733.02053967	3613.971402490683	3601.72841	3541.5178051470816	3581.730759770582	90.21005446378226	19.9976051383933
113	78	79293	-297021.1413	863017.3170250766	39.30499495708531	-101.8477078	25422.5286147863	3474733.47162287	3611.700739833197	3599.70205297283	3540.551498167291	3573.7021179775824	90.50170712999204	26.5820732
114	78	79294	-296361.1413	863017.3170250766	39.3051968236257	-101.8453787	25442.6916410991805	3474733.62683	3608.430236375956	3597.714905052144	3539.49404647565	3566.412009735865	92.5181903	31.3029795859426
115	78	79295	-295701.1413	863017.3170250766	39.305398265369	-101.8430495	25463.07599114664	3474733.7285	3606.727840126299	3595.789188105525	3537.3040547158872	3564.682463041948	94.8687309468035	31.09679251038331
116	78	79296	-295041.1413	863017.3170250766	39.3056059975964	-101.8407204	25484.8187640287	3474733.76955538	3603.592533413375	3590.8645143874737	3536.04260570174	3568.819075947575	97.8222358730619	57.02400662799819
117	78	79297	-294381.1413	863017.3170250766	39.3058136109756	-101.838419	25506.2944233625	3474733.76955538	3601.72841	3589.789188105525	3534.787302451669	3563.147630768727	98.571679686778825	73.425334174682304
118	78	79298	-293721.1413	863017.3170250766	39.306000131361986	-101.8360262	25523.2117110851	3474733.70517771	3607.324077616675	3593.163310763573	3533.15213465577	3565.72408303964	97.0232781777502	24.3040024289638
119	78	79299	-293061.1413	863017.3170250766	39.30620233366075	-101.8337331	25543.2287327668	3474733.47104048	3605.586738140778	3588.4120612592837	3531.553219312901	3566.36804550159	96.858	

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
201	70381	-238941.1413	8630137.102502676	39.24210707060866	-0.1642741	271926.019933747	3469972.739898054	3629.698400599395	3475.213740702889	3470.646702027117	3474.077674208476	3456.7308675719825	1.3360664494431713
202	70382	-238261.1413	8630137.102502676	39.24212333699626	-0.16404118	272127.117671736	3469968.671884456	3629.77382504217	3473.6483013136235	3468.980964862915	3474.6763917597384	3466.730637033377	0
203	70383	-237621.1413	8630137.102502676	39.24213665841454	-0.16380266	272326.019933747	3469964.015670969	3629.828771163803	3474.6763917597384	3467.294736838307	3474.677316838307	3469.727020812299	0
204	70384	-236961.1413	8630137.102502676	39.24215573472403	-0.16357354	272529.3125297899	3469605.53824931	3630.163289618185	3470.53592510995	3468.4095491189814	3470.0195940620913	3444.03303713383	0
205	70385	-236301.1413	8630137.102502676	39.242171866117296	-0.16332421	272730.49021907395	3469566.492207748	3630.3877067598366	3469.0255111756687	3465.3199283450555	3470.00707195916	3455.028221632615	0
206	70386	-235641.1413	8630137.102502676	39.24218765252133	-0.16310949	272931.5059539945	3469542.734043155	3630.3621745578543	3467.509681	3464.305242964946	3472.0128875245746	3450.377017133884	0
207	70387	-234981.1413	8630137.102502676	39.242203983936066	-0.16287657	273132.60246475926	3469484.369437622	3630.2908056644484	3466.00648646188	3463.5147888858323	3470.7562157141706	2.491679580335583	0
208	70388	-234321.1413	8630137.102502676	39.242219990361455	-0.16264365	273332.60246475926	3469484.369437622	3630.2908056644484	3466.00648646188	3463.5147888858323	3470.7562157141706	2.491679580335583	0
209	70389	-233661.1413	8630137.102502676	39.242235941779753	-0.16241072	273534.79461463224	3469484.369437622	3630.2908056644484	3466.00648646188	3463.5147888858323	3470.7562157141706	2.491679580335583	0
210	70390	-233001.1413	8630137.102502676	39.24225185	-0.1621778	273736.0856415785	3469396.18775906	3630.539573209599	3461.579545	3460.6725340882424	3465.405784885972	0.92511289271498	0
211	70391	-232341.1413	8630137.102502676	39.24226770970145	-0.16194488	273938.9863	3469321.26248097	3617.02680530039	3460.12210521328	3459.39670993737	3463.80619859959	0.02505725901567	0
212	70392	-231681.1413	8630137.102502676	39.2422833	-0.16171196	274138.0816633976	3469256.09509597	3612.9162044550294	3458.6795276658474	3458.623879855827	3460.7063476831286	0.05618468	0
213	70393	-231021.1413	8630137.102502676	39.2422992764766	-0.16147903	274339.1768335248	3469204.06	3608.806323880019	3457.247192825735	3457.290254357152	3457.97202309321	0	0.004613974
214	70394	-230361.1413	8630137.102502676	39.24231502413654	-0.16124611	274540.2177809306	3469195.945778874	3604.696443	3455.820595301043	3455.902966324137	3455.902966324137	0.058884319953995	0
215	70395	-229701.1413	8630137.102502676	39.24233070555968	-0.16101319	274741.3665056194	3469155.88993837	3597.81975894037	3454.813088540597	3454.519914296605	3456.8250988017	0	0
216	70396	-229041.1413	8630137.102502676	39.24234634214564	-0.16078026	274942.461083968	3469118.826394475	3598.1892716417024	3453.009648107343	3452.96903113249	3456.622292093645	0.040613974	0
217	70397	-228381.1413	8630137.102502676	39.24236193656584	-0.16054734	275143.555288899	3469077.76680784	3598.8738674001675	3451.8142044840775	3451.397631272092	3457.078088081496	0.016609269552091	0
218	70398	-227721.1413	8630137.102502676	39.24237748	-0.16031442	275344.64934743964	3469037.70752749	3594.5668115332325	3450.26786346345	3449.987765137014	3456.3199283450555	0.0290212933095558	0
219	70399	-227061.1413	8630137.102502676	39.2423928173734	-0.16008149	275545.743	3468989.64710369	3592.3655910504422	3448.8471767306173	3448.431082826917	3455.985082506193	0.016091903700632	0
220	70400	-226401.1413	8630137.102502676	39.24240838288585	-0.15984857	275746.8367996644	3468955.589853632	3590.72020954906	3447.475271505292	3446.47306903518	3455.2750852964961	0.040613974	0
221	70401	-225741.1413	8630137.102502676	39.24242384985013	-0.15961565	275947.90319739384	3468911.53182534	3588.174819036303	3446.110898710858	3445.501328018837	3454.5494231119997	0.0095868820211847	0
222	70402	-225081.1413	8630137.102502676	39.24243921642192	-0.15938272	276149.023665194	3468867.42997064	3586.07459035034	3444.753409157898	3444.041962076993	3454.5494231119997	0.014848367923419	0
223	70403	-224421.1413	8630137.102502676	39.24245468090387	-0.15914918	276350.340491713	3468820.6173	3584.02364977826	3443.58412848075	3443.58412848075	3454.5494231119997	0.03014238377836	0
224	70404	-223761.1413	8630137.102502676	39.24246981459621	-0.15891687	276551.20950542306	3468795.38229895	3584.815380183673	3442.061777104576	3442.146988037414	3452.904587376783	0	0
225	70405	-223101.1413	8630137.102502676	39.24248506419866	-0.15868395	276762.3016	3468755.29835470	3584.6711744786576	3440.7265940749194	3441.302013049364	3452.904587376783	0	0
226	70406	-222441.1413	8630137.102502676	39.242500232811246	-0.15845103	276963.398521716	346871.240611352	3584.526953398283	3439.381107919462	3440.539412893542	3452.904587376783	0	0
227	70407	-221781.1413	8630137.102502676	39.24251537443394	-0.1582181	277154.4895228605	3468687.183053927	3585.085854948974	3438.07583149968	3439.87462363108	3451.7062147137266	0	0
228	70408	-221121.1413	8630137.102502676	39.2425307106674	-0.15798518	277355.577773703	3468663.125682087	3586.347969146565	3436.793241606339	3439.308989913806	3451.3798816259027	0	0
229	70409	-220461.1413	8630137.102502676	39.242546027270962	-0.15775225	277556.660046946	3468625.18820292	3587.619691629667	3435.468351682967	3438.81425742506	3451.3798816259027	0	0
230	70410	-219801.1413	8630137.102502676	39.24256053	-0.15751933	277757.7008	3468587.0114951385	3588.872136459098	3434.13716221196	3437.297505816	3451.3798816259027	0	0
231	70411	-219141.1413	8630137.102502676	39.24257549102539	-0.1572884	277958.85209916766	3468550.546800135	3587.756798944046	3432.842775375405	3438.0903535795	3450.490273112784	0	0
232	70412	-218481.1413	8630137.102502676	39.2425904769827	-0.15705348	278159.942826557	3468468.89805445	3584.261042806718	3431.543461117825	3438.70197353906	3450.0533381494	0	0
233	70413	-217821.1413	8630137.102502676	39.24260527938111	-0.15682055	278361.0337373201	3468482.841606429	3580.766281617297	3430.2472958452275	3438.5988054489417	3449.667874973916	0	0
234	70414	-217161.1413	8630137.102502676	39.24262010607386	-0.15658763	278562.14273364	3468388.783470525	3577.2715229539217	3428.95034009219	3438.43940009273	3448.63969	0	0
235	70415	-216501.1413	8630137.102502676	39.24263488777648	-0.1563547	278763.78162146	3468349.729	3574.791575673436	3427.6552980554316	3440.43542737365	3448.63969	0	0
236	70416	-215841.1413	8630137.102502676	39.24264942449028	-0.15612178	278964.304691713	3468300.6173	3572.32649737826	3426.360394	3438.71855452983	3451.5164325782	0	0
237	70417	-215181.1413	8630137.102502676	39.242664316211346	-0.15588885	279165.3945718312	3468267.617885702	3571.86130392327	3425.07032986197	3438.598342734764	3447.556657234754	0	0
238	70418	-214521.1413	8630137.102502676	39.242678962943515	-0.15565593	279366.46423544795	3468222.562193322	3570.396171980638	3423.783402788018	3439.025519448578	3448.651136959061	0	0
239	70419	-213861.1413	8630137.102502676	39.24269336468545	-0.155423	279567.5583146954	3468188.50683446	3569.17091171396	3422.489814537972	3439.635124790047	3448.63969	0	0
240	70420	-213201.1413	8630137.102502676	39.24270811243717	-0.15519008	279768.66291010263	3468145.41693069	3568.1855350704154	3421.217694914108	3440.348913272703	3449.859537202027	0	0
241	70421	-212541.1413	8630137.102502676	39.242723633198575	-0.15495719	279969.7519215519	346810.397	3567.2010584294667	3419.398996320251	3441.1095945255143	3450.5605021999404	0	0
242	70422	-211881.1413	8630137.102502676	39.2427371	-0.15472423	280170.84071602195	3468064.315687474	3566.21474817885184	3418.795697983594	3442.02354269407	3450.729044767886	0	0
243	70423	-211221.1413	8630137.102502676	39.24275162175051	-0.15449178	280371.945289162	3468025.38729939	3565.238729972826	3417.634281629296	3441.281365913928	3451.3798816259027	0	0
244	70424	-210561.1413	8630137.102502676	39.24276589854094	-0.15425837	280573.0134554564	3467988.32266383	3562.8779796816316	3416.013943949213	3441.279032516033	3451.3798816259027	0	0
245	70425	-209901.1413	8630137.102502676	39.24278023048096	-0.15402545	280774.10589966597	3467974.17874636	3569.231632596784	3414.7635910200715	3440.370847820982	3451.3798816259027	0	0
246	70426	-209241.1413	8630137.102502676	39.24279451715774	-0.15379252	280975.1938	3467930.12477318195	3567.0308279700025	3413.439397748567	3439.147702	3449.514767817334	0	0
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251	70431												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
327	ix	79607	-155781.1413	863017.3170250766	39.2438023326523	-101.3495254	297262.6171	3434462.36327673	3413.721665111139	325.9030362181366	3233.977050775894	3231.998285	24.3278544224607	26.30675105232645
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331	ix	79611	-153141.1413	863017.3170250766	39.24384445336349	-101.3399351	298066.8996332133	3446446.209	3406.117643688446	3251.281238953727	3226.696154694152	3222.301713559299	24.585084259620633	28.08065304943777
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335	ix	79615	-150501.1413	863017.3170250766	39.2438858557769	-101.3306177	298871.1786953605	3446430.358	3396.78059685021	3244.305613953357	3218.326489255256	3217.1459680190434	25.573146696801	29.71001076491638
336	ix	79616	-149841.1413	863017.3170250766	39.24389609	-101.3282884	299072.2481821705	3446426.0206902	3395.69541329189	3242.589385117763	3216.2579436727565	3214.140375508498	25.82639630917786	28.2903000328871
337	ix	79617	-149181.1413	863017.3170250766	39.243906283728635	-101.3259591	299273.7127966729	3395.091730281642	3400.589493011385	3241.2175001273978	3214.140375508498	25.82639630917786	26.25051804524474	28.50510054424474
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346	ix	79626	-143241.1413	863017.3170250766	39.2439959226137	-101.3049951	301082.930490242	3446385.7676373	3378.4857668407	3225.649997197501	3194.6500224812663	3183.690349890404	30.999671623455	41.9596125056046
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348	ix	79628	-141921.1413	863017.3170250766	39.24401543259596	-101.3003364	301485.064020594	3446377.58620714	3376.303684735996	3221.936381313806	3189.975367852307	3178.093537330664	32.5937617415954	44.21719762
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351	ix	79631	-139941.1413	863017.3170250766	39.2440425562187	-101.2933484	302088.26436017756	3446345.81842938	3373.4775473094134	3217.288483814323	3184.959558084734	3165.0431549	47.89274172206325	47.350414549
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354	ix	79634	-137961.1413	863017.3170250766	39.244072673712566	-101.286303	302681.4622593013	3446333.39149243	3363.44581136726	3212.2298119459115	3175.350401999637	3157.586345069889	36.8749049624749	54.43466780179193
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356	ix	79636	-136641.1413	863017.3170250766	39.24409134142096	-101.2817014	303093.59359918	3446313.11607707	3360.143297590818	3209.80069199518	3170.17806794585	3154.3307114151915	38.0325013571791	58.4562013571791
357	ix	79637	-135981.1413	863017.3170250766	39.24410068676554	-101.2793723	303294.65846813214	3446341.278112805	3359.028000206273	3210.07638147447	3187.859133978083	3150.513233507656	39.2130416935866	56.56050579915446
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359	ix	79639	-134661.1413	863017.3170250766	39.24411913733969	-101.2747136	303686.788037874	3446333.21678192	3357.059955	3203.553544216086	3183.1803407740827	3148.652245053936	40.3723044326156	54.90130711069222
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361	ix	79641	-133341.1413	863017.3170250766	39.244137407840064	-101.2700548	304193.76731059428	3446325.14589151	3351.8562563477	3199.961500289783	3157.481988512507	3146.646569127432	42.7891777665757	53.29737167540514
362	ix	79642	-132681.1413	863017.3170250766	39.2441464760077	-101.2677256	304399.861216203	3446321.134101633	3349.2435172122044	3204.455403895454	3154.455403895454	3145.455403895454	43.19548425579	54.90130711069222
363	ix	79643	-132021.1413	863017.3170250766	39.2441554836925	-101.2653962	304501.045674927	3446317.01029312	3345.529230740826	3196.283292976996	3151.44562515586	3144.930877821144	44.8478307178517	52.79841625045494
364	ix	79644	-131361.1413	863017.3170250766	39.24416447614322	-101.2630699	304702.1095363882	3446313.04824173	3343.0251045913296	3194.431722341183	3143.1213703686	3140.56399078857	44.1189519725249	54.867323262599
365	ix	79645	-130701.1413	863017.3170250766	39.2441734082491	-101.2607375	304903.1732062012	3446309.11684119	3340.54505478294	3192.555380358895	3145.0979967630267	3138.307102791833	44.7457389566879	54.1857273635639
366	ix	79646	-130041.1413	863017.3170250766	39.24418226971355	-101.2584082	305104.2366840987	3446304.984971032	3338.025306358597	3190.76164184585	3142.083363920608	3136.06200392786	45.8880102227785	54.6096379180036
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368	ix	79648	-128721.1413	863017.3170250766	39.244199937311606	-101.2537495	305506.363063978	3446302.51854438	3335.080481842674	3186.971884729	3183.645289460128	3131.551780774095	47.1272692338154	55.566394114230246
369	ix	79649	-128061.1413	863017.3170250766	39.24420876121101	-101.251421	305708.4587987917	3446295.78987197	3333.94581871816	3184.9581871816	3181.94581871816	3129.94581871816	48.1189519725249	56.97052529611546
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371	ix	79651	-126741.1413	863017.3170250766	39.24422606760454	-101.2467614	306109.515208296	3446284.82873382	3330.4426	3181.534595491973	3127.6825004512903	3125.662667336205	53.8205904	55.5139215

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtElev.f	SatHtBoth.f
43	ix	79633	-72.62114133	863017.3170250766	39.24478329924358	-01.055753	322956.049678804	4345954.920997271	3203.8596705526984	2934.3966280598423	2928.563786358019	2945.3989797319623	48.99683673979966
454	ix	79634	-71.96114133	863017.3170250766	39.244776827587826	-01.053426	322797.05699139545	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
455	ix	79635	-73.0114133	863017.3170250766	39.24479311967874	-01.051484	322988.14414159156	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
456	ix	79636	-70.64114133	863017.3170250766	39.244779794933567	-01.048748	323199.171286713	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
457	ix	79637	-69.98114133	863017.3170250766	39.244802742655246	-01.0464354	323400.2381228402	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
458	ix	79638	-69.92114133	863017.3170250766	39.244807491022584	-01.044116	323601.2848543047	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
459	ix	79639	-68.66114133	863017.3170250766	39.244811213498015	-01.041776	323802.33511532073	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
460	ix	79640	-68.60114133	863017.3170250766	39.24481685277684	-01.0394472	324003.07379995732	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
461	ix	79641	-67.94114133	863017.3170250766	39.244821466161538	-01.037178	324204.42411445523	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
462	ix	79642	-66.68114133	863017.3170250766	39.24482565451664	-01.034785	324405.47051714075	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
463	ix	79643	-66.62114133	863017.3170250766	39.24483055794767	-01.0324591	324606.5160281483	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
464	ix	79644	-65.36114133	863017.3170250766	39.24483503634937	-01.0301297	324807.5617276812	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
465	ix	79645	-64.70114133	863017.3170250766	39.24483946975679	-01.0278003	325008.6072559421	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
466	ix	79646	-64.04114133	863017.3170250766	39.24484386816989	-01.0254709	325209.65261313645	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
467	ix	79647	-63.38114133	863017.3170250766	39.24484801058867	-01.0231415	325410.6977994865	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
468	ix	79648	-62.72114133	863017.3170250766	39.2448525001313	-01.0208121	325611.7428151421	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
469	ix	79649	-62.06114133	863017.3170250766	39.24485675343325	-01.0184827	325812.786760366	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
470	ix	79650	-61.40114133	863017.3170250766	39.24486091879034	-01.0161533	326013.8323534225	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
471	ix	79651	-60.74114133	863017.3170250766	39.24486512325048	-01.0138239	326214.8764027558	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
472	ix	79652	-60.08114133	863017.3170250766	39.24486924376756	-01.0114845	326415.92157137253	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
473	ix	79653	-59.42114133	863017.3170250766	39.2448731722026	-01.0098157	326616.9653043504	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
474	ix	79654	-58.76114133	863017.3170250766	39.2448773456781	-01.0083631	326818.0533637075	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
475	ix	79655	-58.10114133	863017.3170250766	39.244881629143827	-01.0068948	327020.1531636842	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
476	ix	79656	-57.44114133	863017.3170250766	39.24488576761215	-01.002177	327220.068214787	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
477	ix	79657	-56.78114133	863017.3170250766	39.24488991067834	-01.00099476	327421.1043105977	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
478	ix	79658	-56.12114133	863017.3170250766	39.2448930506813	-00.9975182	327622.1836303294	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
479	ix	79659	-55.46114133	863017.3170250766	39.2448981305448	-00.9951888	327823.2267828016	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
480	ix	79660	-54.80114133	863017.3170250766	39.24490057154645	-00.9928594	328024.269765724	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
481	ix	79661	-54.14114133	863017.3170250766	39.2449029195225	-00.990583	328225.312623488	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
482	ix	79662	-53.48114133	863017.3170250766	39.2449057935407	-00.9883063	328426.355023377	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
483	ix	79663	-52.82114133	863017.3170250766	39.244911577055724	-00.9858712	328627.3987740701	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
484	ix	79664	-52.16114133	863017.3170250766	39.24491515556995	-00.9835418	328827.4000237645	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
485	ix	79665	-51.50114133	863017.3170250766	39.24491886908973	-00.9812124	329029.48216961534	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
486	ix	79666	-50.84114133	863017.3170250766	39.24492217175024	-00.978883	329230.5214494976	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
487	ix	79667	-50.18114133	863017.3170250766	39.244925621145875	-00.976538	329431.5656900594	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
488	ix	79668	-49.52114133	863017.3170250766	39.2449290195225	-00.974242	329632.60709165	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
489	ix	79669	-48.86114133	863017.3170250766	39.2449327322414	-00.9718843	329833.659058365	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
490	ix	79670	-48.20114133	863017.3170250766	39.244935687175544	-00.9695654	330034.690394168	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
491	ix	79671	-47.54114133	863017.3170250766	39.24493838324447	-00.967236	330235.7315452217	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
492	ix	79672	-46.88114133	863017.3170250766	39.24494216388289	-00.9649066	330436.7725268596	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
493	ix	79673	-46.22114133	863017.3170250766	39.24494537344683	-00.9625772	330637.8132741486	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
494	ix	79674	-45.56114133	863017.3170250766	39.24494846601624	-00.9602478	330838.853932121	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
495	ix	79675	-44.90114133	863017.3170250766	39.24495154898114	-00.957944	331040.9379093496	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
496	ix	79676	-44.24114133	863017.3170250766	39.24495458881751	-00.955589	331240.9379093496	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
497	ix	79677	-43.58114133	863017.3170250766	39.2449578175736	-00.9532596	331441.9746547626	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
498	ix	79678	-42.92114133	863017.3170250766	39.24496053	-00.9509302	331643.0145499093	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
499	ix	79679	-42.26114133	863017.3170250766	39.24496333954547	-00.948608	331844.0547729074	4345950.350273238	2992.5709997027345	2925.9042067027345	2945.8777292188418	46.59037682747062	46.9307713186166
500	ix	79680	-41.60114133	863017.3170250766	39.244966292547716	-00.946							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
79	79759	10538.85867303351	863017.3170250766	39.24504993904896	-100.7622485	374269.7289017654	4345450.397186709	3007.782514750359	272.572067174864	2802.6789854881138	2802.578907565729	68.93028224675005	69.993160608313489
580	79760	1118.85867303351	863017.3170250766	39.245049158077474	-100.7599191	348127.7541090917	4345446.4058451	3002.000773699647	2870.858800124845	2804.491089138751	2804.35522419815863	66.3677309015863	66.50357397
581	79761	1168.85867303351	863017.3170250766	39.245048712111274	-100.7578997	349326.28115974105	4345442.412312968	2988.515844186634	2869.581585108149	2804.6846881871227	2804.604458681871227	64.23688192740897	64.47710238892201
582	79762	1215.85867303351	863017.3170250766	39.245048758115038	-100.7552033	349628.8090631655	4345438.4201150241	2987.3722049021401	2867.37264065287	2804.35095166654214	2804.0572180198015	63.18074740045725	63.3204502584721
583	79763	1317.85867303351	863017.3170250766	39.245046750194795	-100.7529309	348730.3841848473	4345434.428172071	2887.454001419938	2865.610872569887	2803.6844006106114	2803.2487102705605	61.92646095927455	62.36214551382636
584	79764	1383.85867303351	863017.3170250766	39.245045784244496	-100.7506015	348931.861428902	4345430.34373046	2887.330925381387	2863.522080843891	2803.006419445889	2802.52308094321	61.9827148012745	61.29247118017245
585	79765	1448.85867303351	863017.3170250766	39.245044818299476	-100.7482721	349132.887891634	4345426.444758554	2887.187263243047	2862.02132974331	2802.1342936894343	2801.8555905618486	59.9830230893669	60.16537932824295
586	79766	1518.85867303351	863017.3170250766	39.245043897359785	-100.7459427	349333.9142078704	4345422.453236794	2887.043399	2860.1987517222488	2800.729915903457	2800.3536139581727	59.4688321879125	59.66313176
587	79767	1588.85867303351	863017.3170250766	39.245042751425395	-100.7436133	349534.96057782284	4345418.462037753	2886.15844186634	2858.552551422243	2798.2911333598923	2798.2911333598923	58.7641868484495	58.7641868484495
588	79768	1647.85867303351	863017.3170250766	39.24504165046577	-100.7412839	349745.96650152543	4345414.471009438	2885.92399618489	2856.4871412187813	2794.4427383744503	2795.81411941705	62.0455672403317	62.0455672403317
589	79769	1713.85867303351	863017.3170250766	39.2450405054571946	-100.7389545	349936.99237962255	4345410.480125807	2887.8921762745556	2854.598230105041	2788.871278163167	2792.138136888857	65.2765027882408	62.4604161755548
590	79770	1779.85867303351	863017.3170250766	39.24503931365349	-100.7366251	350130.081119506	4345406.498428475	2741.263037037023	2852.682935354811	2782.2011014405546	2788.3867102006053	60.184192095	64.2962353
591	79771	1845.85867303351	863017.3170250766	39.245038077740304	-100.7342957	350340.0349888112	4345402.49806623	2755.70583411	2847.016880288	2775.4582625898638	2785.80718085707	57.2834054933048	64.9384997172732
592	79772	1911.85867303351	863017.3170250766	39.2450376963241	-100.7319663	350540.094441022	4345398.508710455	2685.95056719487	2846.7211059551	2769.3587818413027	2785.7914824152654	57.4133291142483	62.9806821802875
593	79773	1977.85867303351	863017.3170250766	39.24503647	-100.729639	350740.0944969575	4345394.518	2685.751248027103	2846.72228692148	2764.681947066993	2802.52308094321	61.29247118017245	57.9880172980575
594	79774	2043.85867303351	863017.3170250766	39.24503410033269	-100.7273705	350942.1196864954	4345390.52447893	2683.07440334714	2844.7443679254303	2760.67189358592	2786.90287975431	64.0724474	57.7614806099366
595	79775	2109.85867303351	863017.3170250766	39.24503268	-100.7249781	351143.144695654	4345386.53606296	2680.650519346873	2842.687795	2757.146871237015	2777.334631318972	61.9510133439499	65.3516326
596	79776	2175.85867303351	863017.3170250766	39.24503122325421	-100.7226487	351344.1694852993	4345382.54905538	2598.480804	2840.6027494599302	2755.9836952318815	2764.30439467401	84.854012204875	76.29835459252945
597	79777	2241.85867303351	863017.3170250766	39.245029717372994	-100.7203193	351545.1941766673	4345378.59630318	2596.311088158	2838.491968177054	2762.895471613843	2781.671456761026	75.696465632110	70.70151120095126
598	79778	2307.85867303351	863017.3170250766	39.245028166490708	-100.7179899	351746.21875100175	4345374.570329319	2593.17152756034	2836.359990324414	2772.675663156795	2775.822468813075	60.9446073492732	64.7766536927689
599	79779	2373.85867303351	863017.3170250766	39.2450267062167	-100.7156301	351947.243180511	4345370.58133626	2591.207099	2834.211726310716	2781.01471116352	2784.6146002471237	53.0019594696568	49.7953426680536
600	79780	2439.85867303351	863017.3170250766	39.245025269716251	-100.7133651	352148.2674683937	4345366.592	2587.5062660139038	2832.576241630038	2783.57647047035	2785.958749649427	48.417376368597	49.093743968017
601	79781	2505.85867303351	863017.3170250766	39.24502382111274	-100.7110914	352349.295118591	4345362.6078983	2585.833141918492	2830.833141918492	2782.0470611419492	2782.0470611419492	47.81141919492	47.81141919492
602	79782	2571.85867303351	863017.3170250766	39.24502151046815	-100.7086722	352550.3161211206	4345358.612606936	2580.110620151620	2827.720341984096	2774.260403912338	2783.075310452932	43.4593807175819	53.2099643823044
603	79783	2637.85867303351	863017.3170250766	39.24501973719761	-100.7063428	352751.3394698385	4345340.63832885	2580.83942373585	2825.55415071111	2769.952520339781	2769.897921479064	55.6048923	55.6048923
604	79784	2703.85867303351	863017.3170250766	39.24501791635576	-100.7040134	352952.362	4345330.6387956	2580.945795	2823.401869169506	2766.0311642792067	2765.881271	57.720746374393	57.5206180936066
605	79785	2769.85867303351	863017.3170250766	39.24501650051526	-100.701684	353153.3875653736	4345326.65028186	2581.12496756234	2821.258821	2762.2468528397353	2762.053628299684	59.09796810787817	59.09796810787817
606	79786	2835.85867303351	863017.3170250766	39.24501413962814	-100.6993546	353354.4101850528	4345322.66461274	2580.734801655587	2819.100721581157	2758.46677835978	2758.2971875520393	60.65844374517883	60.82734302911749
607	79787	2901.85867303351	863017.3170250766	39.24501178365436	-100.6970752	353555.4332747052	4345318.767	2580.35237960375	2817.00678513899	2757.2468513899	2757.2468513899	62.48418751420884	62.48418751420884
608	79788	2967.85867303351	863017.3170250766	39.2450091180331944	-100.6946946	353756.469571857	4345314.680838775	2580.37340708993	2817.219145049753	2756.054097835	2756.054097835	63.898346064635	63.898346064635
609	79789	3033.85867303351	863017.3170250766	39.24500813714896	-100.6923664	353957.4967	4345306.71052934	2581.393343894968	2812.813441505378	2747.382752316765	2747.1210269574814	65.8076129186121	65.95231371505636
610	79790	3099.85867303351	863017.3170250766	39.24500640643322	-100.690037	354158.50248302124	4345302.7758493	2582.41336588707	2810.73139875586	2742.929226436903	2742.69751839254746	68.097619195257	68.097619195257
611	79791	3165.85867303351	863017.3170250766	39.24500391059963	-100.6877706	354359.5220357692	4345302.72689125	2580.4650838546672	2808.675061291739	2737.792043705102	2737.38019325365	70.8835692128685	71.292235952387
612	79792	3231.85867303351	863017.3170250766	39.24500173	-100.6853782	354560.54778294585	4345318.704208256	2585.5445001410676	2806.63051410676	2732.3984810568854	274.2315703539171	74.923701784578816	74.923701784578816
613	79793	3297.85867303351	863017.3170250766	39.244999504004966	-100.6830488	354761.5702213651	4345314.75306888	2580.631781494867	2804.6015517001624	2734.223065804473	2732.6021741376982	70.8834681197589	71.7953862646418
614	79794	3363.85867303351	863017.3170250766	39.244997123221034	-100.680714	354962.592519025	4345310.767	2580.59134219813	2802.59134219813	2734.688812343743	2734.688812343743	71.751241315289	71.751241315289
615	79795	3429.85867303351	863017.3170250766	39.24499549142558	-100.67839	355163.61467136	4345306.78125159	2580.7151213227	2800.80483822258	2728.93831991174624	2735.92254207671	61.66628471473615	64.6778381145836
616	79796	3495.85867303351	863017.3170250766	39.24499255664624	-100.676006	355364.636928996	4345302.79529751	2583.8710715699	2798.629915302214	2740.3789953637956	2736.509448461078	58.250961642572	62.120430691427
617	79797	3561.85867303351	863017.3170250766	39.244990158872726	-100.6737312	355565.65856204	4345298.80962168	2584.983021933663	2741.20161490953	2735.95859596362	2741.051558271309	60.661951339998	60.661951339998
618	79798	3627.85867303351	863017.3170250766	39.24498770010374	-100.6714018	355766.68063026	4345294.82337139	2582.0494790562	2794.752309474794	2741.18425977930	2734.164150472728	61.33565449576364	60.5882400119239
619	79799	3693.85867303351	863017.3170250766	39.2449852	-100.6690724	355967.70190315426	4345290.83835048	2582.98149119328	2792.68194919328	2737.136474877738	2737.136474877738	51.46231053730214	59.1301272084783
620	79800	3759.85867303351	863017.3170250766	39.24498265352896	-100.666743	356168.7236057725	4345286.85303095	2582.97360982281	2790.963371424866	2740.91011941671	2734.692305775183	49.98027123070452	56.2710240686312
621	79801	3825.85867303351	863017.3170250766	39.2449801363084	-100.66442	356369.72894047	4345282.8646463	2582.98149119328	2790.963371424866	2740.91011941671	2734.692305775183	49.98027123070452	56.2710240686312
622	79802	3891.85867303351	863017.3170250766	39.24497744703734	-100.66218	356570.768557585	4345278.88343049	2583.07151223273	2788.93145295783	2738.89116751913	2736.168291779516	45.3937170461871	51.0943856754805
623	79803	3957.85867303351	863017.3170250766	39.24497477	-100.6597548	356771.786977221	4345274.89872484	2583.07151223273	2788.93145295783	2738.89116751913	2736.168291779516	45.3937170461871	51.094

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BREIEvLogskrg.ft	BREIEvBothkrg.ft	SatHLogsk.ft	SatHBoth.ft
705	79885	93698.85867307335	863017.3170250766	39.24460224466604	-100.4687448	37255.0591648973	434948.775110679	8401810787039265	2663.9099417304124	2606.91874803956	2606.4324624676797	591.06992645637	57.477477326286	57.477477326286
706	79886	94358.85867307335	863017.3170250766	39.24459583441096	-100.4664159	373456.0593888132	434944.805345276	2662.564715961977	2606.912904306993	2606.7093717600184	56.8331160529643	55.83739839601324	55.83739839601324	55.83739839601324
707	79887	95018.85867307335	863017.3170250766	39.24458970271941	-100.4640861	373657.1374589204	434941.7328535541	2662.463136892118	2607.914387621786	2607.425315114701	53.7424745878188	53.7424745878188	53.7424745878188	53.7424745878188
708	79888	95678.85867307335	863017.3170250766	39.24458278889405	-100.4617567	373589.084715134	434936.866961971	2707.3477182185356	2659.860352328967	2607.791394472691	50.0689617620494	51.7770327190216	51.7770327190216	51.7770327190216
709	79889	96338.85867307335	863017.3170250766	39.2445763343195	-100.4594273	374059.0993307949	434932.92907335	2792.234875449654	2658.537260455655	2606.67263714454	46.06493695768514	51.8700885501163	51.8700885501163	51.8700885501163
710	79890	96998.85867307335	863017.3170250766	39.24456974302955	-100.457098	374260.190689719	434928.92907335	2787.12045687173	2657.225248326904	2603.5519753005	43.06332224145434	53.59582588831404	53.59582588831404	53.59582588831404
711	79891	97658.85867307335	863017.3170250766	39.2445610816886	-100.4547868	374461.1186862485	434924.960428054	2783.275175421185	2655.94277770775	2601.07989320885	40.06098849285139	54.8447841762094	54.8447841762094	54.8447841762094
712	79892	98318.85867307335	863017.3170250766	39.24455642794102	-100.4524392	374662.1822	434920.91494993	2784.426342112827	2654.362786155765	2599.836908081152	37.940965347123	54.9281844646996	54.9281844646996	54.9281844646996
713	79893	98978.85867307335	863017.3170250766	39.24454970271941	-100.4501698	374863.1374589204	434917.028535541	2784.12045687173	2653.249824570743	2599.053835182963	35.8943090401179	54.9673417898556	54.9673417898556	54.9673417898556
714	79894	99638.85867307335	863017.3170250766	39.24454232504025	-100.4477705	374964.14681472094	434913.0538963	2784.54378762106	2652.0751752013834	2597.947946130268	29.827102975209	54.172290711146	54.172290711146	54.172290711146
715	79895	100298.85867307335	863017.3170250766	39.24453611729492	-100.4454511	375055.1595804005	434909.087605419	2773.84457802536	2650.807988872732	2596.3039996232747	25.9630986445722	54.62905163733831	54.62905163733831	54.62905163733831
716	79896	100958.85867307335	863017.3170250766	39.2445295708863	-100.4431217	375466.1650620059	434905.11925718	2773.0210171666238	2649.54684656376	2594.320194248075	25.2266526038001	55.40105762490293	55.40105762490293	55.40105762490293
717	79897	101618.85867307335	863017.3170250766	39.2445233189202	-100.4407924	375667.1736263785	434899.15281641	2772.071027817218	2648.29136638772	2592.991406542729	25.99283714943088	55.99569821532866	55.99569821532866	55.99569821532866
718	79898	102238.85867307335	863017.3170250766	39.24451540170173	-100.438463	375868.18273907853	434897.18489038	2771.37914388999	2647.040841036494	2592.2763635004912	25.9220566417294	54.74796031518	54.74796031518	54.74796031518
719	79899	102938.85867307335	863017.3170250766	39.244508406517724	-100.4361338	376069.1913965178	434893.217686087	2769.442545667905	2645.794113310223	2591.613314119525	25.91899188829176	54.18079901709825	54.20222430773424	54.20222430773424
720	79900	103598.85867307335	863017.3170250766	39.2445013634004	-100.4338042	376270.1999349881	434889.25060929	2768.390110164529	2644.550381608424	2590.853201913717	25.90433203879196	53.69362119452506	53.7171502204147	53.7171502204147
721	79901	104258.85867307335	863017.3170250766	39.244494281168684	-100.4314745	376477.20835422364	434885.23816705	2763.3306861061369	2643.3086610013697	2589.385353610055	25.89101306217869	53.3682554027418	53.359824179681105	53.359824179681105
722	79902	104918.85867307335	863017.3170250766	39.24448715100368	-100.4291458	376672.2166553008	434881.371154308	2760.286021	2642.0614731097935	2588.8612947100964	25.88490589719607	53.1207378699705	53.1207378699705	53.1207378699705
723	79903	105628.85867307335	863017.3170250766	39.24447997584504	-100.4268161	376873.224873737	434877.350673428	2765.462525292	2641.03996470733	2587.697946572354	25.87767281405293	53.11649989018355	53.1367150653229	53.1367150653229
724	79904	106238.85867307335	863017.3170250766	39.24447275569275	-100.4244868	377074.232901942	434873.364374052	2764.764477786393	2639.564279693768	2586.394821311092	25.8649040109809	53.25479743862884	53.26639549292105	53.26639549292105
725	79905	106898.85867307335	863017.3170250766	39.24446549054686	-100.4221574	377275.204840879	434869.418256175	2770.284130502904	2638.31222963509	2584.524201115439	25.84459492	53.707028969692	53.717759109417	53.717759109417
726	79906	107558.85867307335	863017.3170250766	39.24445816040738	-100.419828	377476.248674056	434865.45219791	2772.57881440357	2637.05717224592	2582.379184775013	25.82749724	54.6778694790603	54.56014726892114	54.56014726892114
727	79907	108218.85867307335	863017.3170250766	39.24445092527432	-100.4175025	377677.2568710597	434861.50919225	2774.86923803367	2635.9247601337	2580.2271482789566	25.80714338290905	54.8182989246306	54.8182989246306	54.8182989246306
728	79908	108878.85867307335	863017.3170250766	39.24444335214766	-100.4151693	377876.2830803346	434857.520991448	2776.905494313006	2634.54478050631	2577.1763419727445	25.76548438952455	57.3683067788535	57.3704309817324	57.3704309817324
729	79909	109538.85867307335	863017.3170250766	39.2444389002746	-100.4128399	378079.2714564443	434853.559944575	2776.050172550035	2633.286085780086	2573.523216	25.75066292360934	60.22062345399263	60.22062345399263	60.22062345399263
730	79910	110198.85867307335	863017.3170250766	39.2444284891372	-100.4105106	378280.2788154938	434849.59038956	2760.190477766197	2632.052821076363	2569.042917	25.68468023442481	62.98204364883235	63.3455863382365	63.3455863382365
731	79911	110858.85867307335	863017.3170250766	39.244420954806444	-100.4081812	378481.2860773489	434845.62539879	2767.82530477795	2630.764116371264	2564.573652887163	25.64373348101606	61.48749499938	61.48749499938	61.48749499938
732	79912	111518.85867307335	863017.3170250766	39.244411337470564	-100.4058158	378682.29318337305	434841.660123238	2757.825307323877	2629.497261	2561.17947365848	25.61122551	68.3177846868199	68.3177846868199	68.3177846868199
733	79913	112178.85867307335	863017.3170250766	39.24440557496133	-100.4034925	378883.3001926135	434837.695491254	2757.88281	2628.291482	2559.281482	25.59221374809267	68.3829214809267	68.3829214809267	68.3829214809267
734	79914	112838.85867307335	863017.3170250766	39.2443977059736	-100.4011317	379084.31361219	434833.731361219	2757.911050911337	2627.355842494	2558.70758494238	25.581793673269	68.9540198992916	68.9540198992916	68.9540198992916
735	79915	113498.85867307335	863017.3170250766	39.24439036444232	-100.3988638	379285.21386271614	434829.767067826	2757.7756603946	2625.631823106317	2556.7901604247003	25.56522432680347	69.927018854144	69.9134962999712	69.9134962999712
736	79916	114158.85867307335	863017.3170250766	39.24438260436761	-100.3965344	379486.3206	434825.80235831	2757.25716142901	2624.314093113154	2555.83928883724	25.56530653797434	68.492123	68.492123	68.492123
737	79917	114818.85867307335	863017.3170250766	39.24437479299944	-100.394205	379687.327069839	434821.83899223	2756.804746459664	2623.018065970653	2553.201701769322	25.553809746323447	68.814027835316	69.02831959	69.02831959
738	79918	115478.85867307335	863017.3170250766	39.24436694923786	-100.3918757	379888.335000002	434817.857233996	2756.3581364394011	2621.69517571285	2548.009307883215	25.55086712500494	69.68678282331	70.8094607303578	70.8094607303578
739	79919	116138.85867307335	863017.3170250766	39.24435905416285	-100.3899453	380089.39895181483	434813.911588141	2756.4778	2620.3658544533	2545.513472580728	25.54252264196689	71.7427214889424	71.7427214889424	71.7427214889424
740	79920	116798.85867307335	863017.3170250766	39.244351134474	-100.387618	380290.3645133157	434809.34219225	2756.1926476700137	2619.1026476700137	2546.3451350243	25.5401135823672	70.78114338290905	70.78114338290905	70.78114338290905
1	79921	117094.1413	863677.3170250766	39.23976208765922	-100.3859243	380475.800379967	434799.225	2756.6177994182	2624.18645505763	2543.36419369359	27.92938252460064	92.80471734911173	94.236320106682	94.236320106682
2	79922	-370281.1413	863677.3170250766	39.2397673196324	-100.382633	381906.846665541	434796.126	2756.05858380577	2622.634887808291	2542.5508309301454	27.9279637873732	94.0408661874547	94.665107	94.665107
3	79923	-369621.1413	863677.3170250766	39.23981257108474	-100.380343	382108.093159065	434792.06112666	2754.004263069575	2621.087218846283	2542.056351857068	27.9279637873732	94.0408661874547	94.665107	94.665107
4	79924	-368961.1413	863677.3170250766	39.23983745223674	-100.378023	382309.2392	434797.92673151	2753.6305287204	2619.8192509	2542.056351857068	27.9279637873732	94.0408661874547	94.665107	94.665107
5	79925	-368301.1413	863677.3170250766	39.2398677	-100.3756923	382510.3849	434793.82753779	2753.478397350505	2618.7948094296274	2542.056351857068	27.9279637873732	94.0408661874547	94.665107	94.665107
6	79926	-367641.1413	863677.3170250766	39.2398765853915	-100.373347	382711.5304422967	434789.78331338	2753.478397350505	2618.7948094296274	2542.056351857068	27.9279637873732	94.0408661874547	94.665107	94.665107
7	79927	-366971.1413	8636											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVbothKrg.ft	SatHLogKrg.ft	SurfBotH.ft
91	109	80011	-311541.1413	86367.3170250766	39.2418556897105585	-01.88989753	249807.944949856254	4347621.9969712375	3567.6700279589195	3546.9250899540434	3548.8865209008574	3569.517608184364	38.0366089318606	77.40748176967963
92	109	80012	-310881.1413	86367.3170250766	39.2418769126072725	-01.8896441	250009.0723913697	434761.7145026298	3584.857956284479	3544.6556115264375	3538.8325910074495	3543.51584789623	105.8232051898796	100.33962673881435
93	109	80013	-310221.1413	86367.3170250766	39.2418898312244	-01.8894317	250210.1961398757	434761.833161102	3585.6245299142436	3542.7452939691038	3537.2881373298645	3542.1689717581816	104.9813727984774	107.8912717984774
94	109	80014	-309561.1413	86367.3170250766	39.2419102065112	-01.8919768	250411.3190752063	434761.78769545	3586.233821935597	3540.067862113989	3546.825867	3543.042782760933	36.2196532147093	97.04408913789575
95	109	80015	-308801.1413	86367.3170250766	39.24190428919349	-01.8896587	250612.1447255494	434760.6664079195	3586.44031731260813	3537.799004208624	3550.5406562479075	3544.9015567734327	87.25834667250498	92.8974481742971
96	109	80016	-308021.1413	86367.3170250766	39.2419234249234	-01.8873295	250813.5642290224	434760.1584233910	3584.6652	3635.510612767906	3550.723449384668	3546.741391876906	88.769220910678	78.69220910678
97	109	80017	-307581.1413	86367.3170250766	39.24189231531843	-01.8885004	251014.6864263106	434759.502246638	3584.8905084168987	3533.225240288606	3549.11387829731	3542.580802	84.11394284887514	90.6443844887514
98	109	80018	-306821.1413	86367.3170250766	39.24200326090098	-01.8826712	251215.8083645134	434759.342	3588.115596744308	3630.54843815544	3546.2906507104363	3549.694479134788	88.769220910678	88.769220910678
99	109	80019	-306261.1413	86367.3170250766	39.24202415148988	-01.8893421	251416.830944854	434759.15837914	3588.529962142436	3628.671762718625	3542.1689717581816	3542.1689717581816	86.5071985173954	86.5071985173954
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103	109	80023	-303621.1413	86367.3170250766	39.24210731401327	-01.8710254	252221.1414786787	434757.012423607	3827.58053692000884	3619.6653686810566	3534.189325143422	3584.66277962489197	85.9377261213688	85.9377261213688
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ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThkLog.ft	SatThkBoth.ft	
217	109	80137	-223881.1413	86367.3170250766	39.24417457015314	-101.6054934	275147.6205590931	3471.09107262528	3596.2047495401303	3452.005396888943	3448.6919262685824	3455.6107861990904	3417.047062	0	
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254	109	80174	-203961.1413	86367.3170250766	39.24471984232807	-101.519309	282587.9476136114	3469.95841456108	3564.17647334025	3403.705859094473	3409.299781	3447.880947849884	0	0	
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256	109	80176	-202641.1413	86367.3170250766	39.24474758183166	-101.5146503	282990.118997339	3469.9503491539	3561.7440815127234	3400.411792091991	3404.6502552702488	3414.13845884435	0	0	
257	109	80177	-201981.1413	86367.3170250766	39.24476135409571	-101.512321	283191.204868517	3469.946784287611	3560.43976859413	3398.680894743845	3401.552169696419	3415.01654300673	0	0	
258	109	80178	-201321.1413	86367.3170250766	39.244775101367864	-101.5099917	283392.2895267064	3469.94273	3558.133545367555	3396.98602692051	3398.549148	3402.0270896214032	0	0	
259	109	80179	-200661.1413	86367.3170250766	39.24479034984814	-101.507648	283593.4694349414	3469.93849444284	3557.07787474119	3395.877478211913	3400.974782151913	3403.6958160272388	0	0	
260	109	80180	-200001.1413	86367.3170250766	39.244802460936505	-101.505333	283794.0502008726	3469.934362879141	3556.147502064354	3393.165674873835	3392.987160375183	3402.025465942022	0	0	
261	109	80181	-199341.1413	86367.3170250766	39.24481607323289	-101.5030337	283995.5437184548	3469.93057227141	3552.37368622299	3391.2615394175	3395.989866776675	3398.186975476516	1.0163629604674983	0	0
262	109	80182	-198681.1413	86367.3170250766	39.24482964053733	-101.5006743	284196.6280316574	3469.92556205106	3549.928519652097	3389.2965699012366	3387.218569119544	3396.004512947804	1.70279298282191	0	0
263	109	80183	-198021.1413	86367.3170250766	39.24484316284977	-101.498345	284396.721152099	3469.924465376	3548.03325648756	3387.294008482134	3384.576930899911	3392.45392421113	2.7170776125103657	0	0
264	109	80184	-197361.1413	86367.3170250766	39.24485664017016	-101.4960157	284598.79599479504	3469.91842405533	3548.68398421928	3385.25014824888	3383.9452526248	3398.97076	3.405959298379113	0	0
265	109	80185	-196701.1413	86367.3170250766	39.2448707649846	-101.493768	284798.8786521225	3469.913755873	3						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevKgr.f	BR ElevKgr.f	SatHtKgr.f	SatHtBoth.f
343	109	80263	-145221.1413	86367.3170250766	39.24577917	-101.3119958	300483.76879966515	3445698.98	3376.1318177417143	321.073862167759	3320.3346953066243	3191.60683965155	32.74366681130085	39.4013252060011
344	109	80264	-144561.1413	86367.3170250766	39.245789049534096	-101.3096064	300884.6336456826	3445694.562035747	3373.585162537477	3229.348303923608	3200.089276	3188.91651307173375	29.259026049697919	40.43179906160586
345	109	80265	-143801.1413	86367.3170250766	39.245789049534096	-101.307337	300865.9036978586	3445690.9128132076	3332.16859737781	3217.630398354846	3197.734857630576	3186.30668106814	29.84683787230487	41.31923533
346	109	80266	-143241.1413	86367.3170250766	39.245806570312954	-101.3050676	301066.9706531784	3445686.880413295	3368.491852120817	3225.8930292497566	3195.436895949764	3183.70395917113937	40.02570438700247	42.189064584237
347	109	80267	-142581.1413	86367.3170250766	39.245818413211964	-101.3026782	301288.0378134547	3445682.844679396	3364.189426536654	3224.168145347454	3193.0853566291867	3184.61128454364	31.082608718267693	42.5270169020951
348	109	80268	-141921.1413	86367.3170250766	39.245818413211964	-101.3003488	301489.1045729152	3445675.81	3368.11978426305	3222.44259387272	3190.7119168224535	3178.9127827457	31.73002456131505	43.5306156131505
349	109	80269	-141261.1413	86367.3170250766	39.24583776404047	-101.2980194	301680.1711480933	3445674.73466211	3368.7202331899546	3220.751493338124	3188.316006404783	3175.385137097653	31.0924181967308	45.352286136107
350	109	80270	-140601.1413	86367.3170250766	39.2458437196009	-101.29569	301811.237523051	3445670.3396809	3369.32147676166	3188.86687606842	3187.40484968177	3172.762199	33.09927857166418	46.2282001193185
351	109	80271	-139941.1413	86367.3170250766	39.2458598488957	-101.2833696	302092.3090714255	3445666.704952456	3367.584695108576	3187.454946108576	3184.95162300576	3170.42486403143	33.7966369890001	47.1153837852468
352	109	80272	-139281.1413	86367.3170250766	39.245866452817516	-101.2910312	302233.3698933418	3445662.66989245	3363.510874746926	3215.5176634945316	3180.9848678162175	3167.5106041501	34.529655783114106	48.0071589915266
353	109	80273	-138621.1413	86367.3170250766	39.245875925755286	-101.2887018	302484.43548105484	3445658.65350689	3359.438525187268	3173.73338	3178.738554901181	3162.925281179261	35.0347830068879	50.848119742609015
354	109	80274	-137961.1413	86367.3170250766	39.24588535	-101.2863724	302695.50107875874	3445654.601	3356.362841390537	3212.0190449280453	3176.22413379671	3158.00862565522	35.7949115483743	54.01032362525216
355	109	80275	-137301.1413	86367.3170250766	39.24588473664889	-101.284043	302896.5664825599	3445650.567262895	3352.700891865286	3210.251500028537	3173.6854817373833	3151.8400914756684	35.849013527818432	54.51013527818432
356	109	80276	-136641.1413	86367.3170250766	39.2459014604605	-101.2817136	303097.6316925997	3445645.43997067	3351.4500404957437	3208.4679992724778	3171.060314138635	3149.70813363653	37.0064790082479	54.7068790082479
357	109	80277	-135981.1413	86367.3170250766	39.245913367566395	-101.2793842	303298.6967096949	3445642.399701752	3350.020116054348	3206.666529168995	3168.83076462138	3150.06654892254	38.23596129531625	56.59977999433081
358	109	80278	-135321.1413	86367.3170250766	39.24592262	-101.277548	303490.7615358107	3445638.46020431	3348.949831151259	3204.845506714514	3165.914296019019	3150.05064178452	38.9312100543255	54.7848418029996
359	109	80279	-134661.1413	86367.3170250766	39.24593181505772	-101.2747254	303700.8261641173	3445634.33990497	3346.7810224060499	3203.00482617588	3163.639120425364	3149.684164104801	39.3658042622399	53.32076056678761
360	109	80280	-134001.1413	86367.3170250766	39.24594097648725	-101.272396	303901.8906226246	3445630.42899447	3343.693691323275	3201.14387649852	3160.787709095289	3148.846968020683	40.35616740582216	52.2941895779631
361	109	80281	-133341.1413	86367.3170250766	39.245950069472605	-101.2700666	304102.95484764106	3445628.36681359	3340.606304041487	3199.2611375518753	3157.807623900798	3147.648593208783	41.453513651796584	51.612544330933081
362	109	80282	-132681.1413	86367.3170250766	39.24595915746395	-101.2677372	304304.0189006465	3445622.34051339	3337.519024865321	3195.35498553321	3154.77928738189	3147.648593208783	41.453513651796584	51.612544330933081
363	109	80283	-132021.1413	86367.3170250766	39.245971800461126	-101.2654078	304505.08276148787	3445618.013447478	3335.213867444447	3195.4276656306623	3153.63398845457	3147.648593208783	41.453513651796584	51.612544330933081
364	109	80284	-131361.1413	86367.3170250766	39.245971758464136	-101.2630784	304761.146303965	3445614.26982635	3333.69874777629	3193.47860032222	3148.3357645831396	3141.22050757126907	42.50401490538254	52.2901614639924
365	109	80285	-130701.1413	86367.3170250766	39.2459806446738	-101.260776	305021.5587548166	3445610.5487874989	3331.092777777778	3191.7844026953324	3146.1832469687307	3134.719487762504	43.5981964692476	53.231296823321
366	109	80286	-130041.1413	86367.3170250766	39.245994937546703	-101.2584196	305108.2733027304	3445606.205	3329.044875943198	3189.52851	3141.703111308921	3136.268185525595	47.82542957538908	53.2312723175005
367	109	80287	-129381.1413	86367.3170250766	39.246003822580805	-101.2560902	305309.3398730546	3445602.173014322	3328.0047541609115	3187.5424662422047	3138.16829388373	3133.596649780676	49.74717058331856	53.94581634717066
368	109	80288	-128721.1413	86367.3170250766	39.24601262053423	-101.2537068	305510.3991903972	3445601.14136232	3327.24748	3185.568757545467	3138.690684048556	3130.789245014476	50.87089139001115	54.05965390731509
369	109	80289	-128061.1413	86367.3170250766	39.24602137566215	-101.2513414	305711.4619025515	3445594.109892745	3325.49205355248	3183.628734380127	3131.425540473602	3128.439103044717	55.19536103535854	54.9183043535854
370	109	80290	-127401.1413	86367.3170250766	39.24603008161392	-101.2491019	305912.542438074	3445590.78089955	3323.7239309524157	3181.7465869765808	3128.551867751321	3126.19447269049	53.19472192435978	55.55171706627379
371	109	80291	-126741.1413	86367.3170250766	39.246038744664738	-101.246776	306131.5587548166	3445587.16848162	3321.092777777778	3179.844026953324	3126.19447269049	3124.719487762504	54.5981964692476	53.231296823321
372	109	80292	-126081.1413	86367.3170250766	39.246047162396515	-101.244431	306349.1619025515	3445584.109892745	3319.52851	3178.44026953324	3124.719487762504	3123.29052753295	53.938849964185	53.938849964185
373	109	80293	-125421.1413	86367.3170250766	39.24605593575134	-101.2421137	306515.7048562864	3445587.95865719	3314.0684889842067	3176.592033598727	3123.03242106904	3122.2423827102907	53.54569271903848	54.34962601659965
374	109	80294	-124761.1413	86367.3170250766	39.246064443816076	-101.2397843	306716.7727064145	3445647.935	3310.554819372667	3175.006737692404	3122.121907817264	3121.6036717927864	52.8846287296038	53.403065467437955
375	109	80295	-124101.1413	86367.3170250766	39.246072394888222	-101.2374549	306917.8342772806	3445649.925	3308.57449624444	3173.414214	3121.5132941181228	3121.25078	51.927829487637155	53.91203655549916
376	109	80296	-123441.1413	86367.3170250766	39.24608138495403	-101.2351255	307118.895663318	3445645.89472505	3308.12937844044	3171.87129430579	3121.07140806524716	3120.061185562697	50.91027547052126	50.91027547052126
377	109	80297	-122781.1413	86367.3170250766	39.246089718031454	-101.2327761	307319.95658084958	3445641.8647914035	3307.683032848434	3170.27722289222	3120.483896605834	3120.374802424566	49.80933623	49.702186867653
378	109	80298	-122121.1413	86367.3170250766	39.24609813	-101.2304691	307521.017835455	3445647.53484942	3307.28227785244	3169.544145492034	3118.782592891915	3120.754876930775	48.70266	48.70266
379	109	80299	-121461.1413	86367.3170250766	39.24610649203415	-101.2281372	307722.0786677627	3445645.80363112	3305.95153421314	3166.96808433034	3118.483967517785	3120.09277776717	48.9113619	48.9113619
380	109	80300	-120801.1413	86367.3170250766	39.2461146729735	-101.2258078	307932.139323121	3445649.77652304	3307.1345261784545	3165.236900462556	3117.013970331796	3119.427597130306	47.52650342937704	45.809433225069
381	109	80301	-120141.1413	86367.3170250766	39.24612290039711	-101.2234784	308124.1997304034	3445647.76637304	3307.21394201453493	3163.49420136685	3116.40020136685	3117.93447589750424	47.01947589750424	45.809433225069
382	109	80302	-119481.1413	86367.3170250766	39.24613160850246	-101.221149	308325.25987869327	3445641.71605318	3307.293307689136	3161.6013121330748	3115.0530164415227	3115.6206548015504	45.8295691552084	45.07525158424455
383	109	80303	-118821.1413	86367.3170250766	39.24613919161333	-101.2188196	308526.3390239792	3445647.689	3306.500449045983	3159.69991324838	3112.6549245389137	3112.6549245389137	44.7068193829217	44.7068193829217
384	109	80304	-118161.1413	86367.3170250766	39.2461472697279	-101.2164802	308727.379812035	3445643.66002312	3301.835015334366	3157.742401193392	3112.20756262005	3112.20756262005	44.50044346517467	42.5474530005378
385	109	80305	-117501.1413	86367.3170250766	39.24615587548166	-101.214137	308928.31698182	3445640.78447121	3300.489298914652	3156.498298914652	3111.782592891915	3110.754876930775	43.5981964692476	43.5981964692476
386	109	80306	-116841.1413	86367.3170250766	39.24616392097899	-101.2118313	309129.490496859	3445645.60317928	3300.489298914652	3153.614530820327	3110.220756262005	3112.20756262005	43.50044346517467	42.5474530005378
387	109	80307	-116181.1413	86367.3170250766	39.24617123411185	-101.2095019								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
470	80389	-62061.14133	86367.3170250766	39.24666943367393	-101.0184881	325816.8048246223	3436091.8944552215	3172.3273563287	2972.900415428383	2910.764156782306	2999.609546820753	62.1325864807684	73.29086850762997
470	80390	-61401.14133	86367.3170250766	39.24667361910738	-101.0161587	326017.8488657338	3436087.881601293	3172.144717396164	2971.3688085498574	2909.515474136234	2986.071587984618	62.47306586813398	73.91712256489564
471	80391	-60741.14133	86367.3170250766	39.24667825458026	-101.0136292	326249.8837682745	3436083.854317198	3171.6222386767	2970.12635426544	2907.667373849434	2987.16203545524	62.7006400829867	74.04868913128821
472	80392	-60081.14133	86367.3170250766	39.24668194400965	-101.0114988	326419.93732328107	3436079.856450999	3167.951799523426	2970.323609240676	2904.2054848699919	2988.757111103784	66.1175111	71.56525440933218
473	80393	-59421.14133	86367.3170250766	39.24668601756617	-101.0091703	326620.8612961646	3436075.84142816	3167.37375663973	2969.5254962917	2988.56819304556	2982.560286106769	70.8944975	76.9972632422775
474	80394	-58761.14133	86367.3170250766	39.24669006412695	-101.0068409	326822.0251005277	3436071.832024399	3162.426180145213	2968.129242440694	2982.75230584706	2982.75230584706	70.7089039	81.11390592
475	80395	-58101.14133	86367.3170250766	39.24669402969219	-101.0045114	327023.06873567693	3436067.028098337	3159.80415	2968.130045733436	2988.706393295915	2984.131666041217	79.436180739216	83.99837969221997
476	80396	-57441.14133	86367.3170250766	39.24669796821934	-101.002182	327224.112201815	3436063.8083391255	3157.330963430696	2967.452772775329	2984.048980372021	2984.048980372021	81.4037348077812	81.8484807
477	80397	-56781.14133	86367.3170250766	39.24670186183613	-100.9996526	327425.15549914855	3436059.77872254	3154.887789148915	2967.151261010983	2984.081156871978	2987.150255969811	82.7100652969811	82.7100652969811
478	80398	-56121.14133	86367.3170250766	39.24670571041571	-100.9975231	327626.1989	3436055.785389217	3152.3846895579	2966.14069871989	2982.372108641418	2989.81148139657	83.789861324033	83.789861324033
479	80399	-55451.14133	86367.3170250766	39.24670951396785	-100.9951938	327827.24158821855	3436051.74	3148.27519226106	2965.497280832116	2980.788255551664	2980.788255551664	84.7390254	75.32042871767196
480	80400	-54801.14133	86367.3170250766	39.24671327585374	-100.9928642	328028.2843036434	3436047.763174602	3145.529539379315	2964.85646886957	2879.197378106307	2980.714230748695	86.6599048	74.1423783796069
481	80401	-54141.14133	86367.3170250766	39.24671698617733	-100.9905347	328229.32703042674	3436043.75234031	3143.7838689577	2964.211009427501	2879.69162732471	2879.69162732471	86.518343679955	74.426684171872
482	80402	-53481.14133	86367.3170250766	39.24672065477373	-100.9882053	328430.369409053	3436039.316922515	3143.082323601583	2963.800825887636	2876.27021020991	2986.489144110474	87.31026149577247	97.0193845771622
483	80403	-52811.14133	86367.3170250766	39.24672437874538	-100.9858758	328639.36314171	3436035.731231221	3142.654677152327	2962.944452794978	2984.89935691242	2980.26648260388	88.0494173973392	82.8919403
484	80404	-52161.14133	86367.3170250766	39.2467281697977	-100.9835464	328832.4538711397	3436031.7208107	3141.63321	2962.308077303373	2873.815615450315	2895.719633471166	88.49245488910583	65.5884779206766
485	80405	-51501.14133	86367.3170250766	39.24673139058375	-100.9811269	329033.4982540605	3436027.71085462	3140.617149766534	2961.671255360479	2872.753472857829	2986.53794363636	89.8717825624597	75.1314789211471
486	80406	-50841.14133	86367.3170250766	39.24673492302341	-100.9788875	329234.5312717095	3436023.70041889	3140.05280140123	2961.03655113063	2978.63465906813	2981.6874074066723	93.8999604455013	79.3459006369085
487	80407	-50181.14133	86367.3170250766	39.24673832282182	-100.976558	329435.5792	3436019.691212972	3138.668387830911	2960.39900345496	2885.730191605076	2985.057209709716	74.6657807420069	75.3386936379466
488	80408	-49521.14133	86367.3170250766	39.2467417144459	-100.9742285	329636.620872517	3436015.6816702	3137.66518670621	2959.78502863936	2895.426725146295	2884.22669412973	64.753182145024274	75.53182145024274
489	80409	-48861.14133	86367.3170250766	39.24674507507177	-100.9718891	329837.6617949006	3436011.67230637	3138.023478481958	2959.1215889127354	2905.9627259677	2986.580490809486	83.1553496530689	72.5809682329885
490	80410	-48201.14133	86367.3170250766	39.2467483703332	-100.969596	330038.703094056	3436007.65312896	3137.201428807482	2958.485225293533	2917.50974867262	2987.895817961545	84.504566596702	70.7867034198795
491	80411	-47541.14133	86367.3170250766	39.24675167423892	-100.9673274	330239.748051874	3436003.654134719	3136.084570878734	2957.748570878734	2908.02026130775	2987.5487173272914	84.452640810554	73.452640810554
492	80412	-46881.14133	86367.3170250766	39.24675496857504	-100.965107	330440.784841890	3435999.64532469	3135.0450502	2956.747288603937	2917.335064598965	2987.854969464378	83.979624009718	81.3650330376303
493	80413	-46221.14133	86367.3170250766	39.24675826036241	-100.9628183	330641.82546611805	3435993.63697927	3134.248257996888	2956.580795757323	2914.1911645921714	2987.703313160574	84.2895444580688	85.84736811522492
494	80414	-45561.14133	86367.3170250766	39.246761168273096	-100.9602518	330842.869251034	3435991.6225068	3134.01453611466	2955.947175197944	2912.02326456187	2986.379216485616	84.92044505192536	92.56846871232816
495	80415	-44901.14133	86367.3170250766	39.24676452192642	-100.9579224	331043.9062189706	3435987.619959339	3133.465861942394	2955.361704280906	2910.523717200605	2982.2390919223008	84.754322748581	73.0762685578981
496	80416	-44241.14133	86367.3170250766	39.24676729054805	-100.9555929	331244.94634792616	3435983.611920471	3132.3959800611693	2954.6857815402623	2909.114602260098	2987.9171294960934	84.5693733425252	75.268695204
497	80417	-43581.14133	86367.3170250766	39.24677028449684	-100.9533274	331445.98382171727	3435979.620482682	3131.2959819817045	2954.065194848164	2908.196328489623	2987.9171294960934	84.5693733425252	75.268695204
498	80418	-42921.14133	86367.3170250766	39.2467732112325	-100.9510534	331647.0251919245	3435975.56320558	3130.2959819817045	2953.4290597237826	2909.80259737897	2989.80259737897	84.5693733425252	75.268695204
499	80419	-42261.14133	86367.3170250766	39.24677613955278	-100.9488045	331848.0657437577	3435971.58879095	3129.2959819817045	2952.801476235087	2908.5764616205925	2988.507637387	84.22476092016264	75.268695204
500	80420	-41601.14133	86367.3170250766	39.2467789525788	-100.9462751	332049.1052177065	3435967.58145281	3128.2959819817045	2952.175870501778	2906.6141124297043	2988.507637387	84.22476092016264	75.268695204
501	80421	-40941.14133	86367.3170250766	39.24678180893716	-100.9439546	332250.1456967172	3435963.54298112	3127.2959819817045	2951.5496461532224	2904.7347895770597	2988.507637387	84.22476092016264	75.268695204
502	80422	-40281.14133	86367.3170250766	39.24678475762204	-100.9416612	332451.1837696777	3435959.56722581	3126.2959819817045	2950.62056034154	2902.86257340342	2988.507637387	84.22476092016264	75.268695204
503	80423	-39621.14133	86367.3170250766	39.24678763130986	-100.9392867	332652.222750173	3435955.6035261	3125.2959819817045	2950.285043016296	2901.89302988816	2988.507637387	84.22476092016264	75.268695204
504	80424	-38961.14133	86367.3170250766	39.24679050019157	-100.9369974	332853.2651191745	3435951.62517074	3124.2959819817045	2949.54278511181	2900.92026130775	2988.507637387	84.22476092016264	75.268695204
505	80425	-38301.14133	86367.3170250766	39.24679336136934	-100.9346278	333054.2602211512	3435947.57403981	3123.2959819817045	2948.9813692510903	2900.92026130775	2988.507637387	84.22476092016264	75.268695204
506	80426	-37641.14133	86367.3170250766	39.246796202399056	-100.9322293	333255.3327123894	3435943.54126408	3122.2959819817045	2948.311477531265	2900.47572320026	2988.507637387	84.22476092016264	75.268695204
507	80427	-36981.14133	86367.3170250766	39.2467991641039	-100.9299689	333456.3770406671	3435939.53209113	3121.2959819817045	2947.64179664488	2896.16826328653	2988.507637387	84.22476092016264	75.268695204
508	80428	-36321.14133	86367.3170250766	39.2468024481321	-100.9276394	333657.4152066404	3435935.52337024	3120.2959819817045	2946.96485054574	2891.805639434222	2988.507637387	84.22476092016264	75.268695204
509	80429	-35661.14133	86367.3170250766	39.24680572881267	-100.9253039	333858.453103626	3435931.53248875	3119.2959819817045	2946.29456828905	2888.4573628026	2988.507637387	84.22476092016264	75.268695204
510	80430	-35001.14133	86367.3170250766	39.24680901724448	-100.9229836	334059.4910523399	3435927.51854077	3118.2959819817045	2945.62634182926	2886.27162049185	2988.507637387	84.22476092016264	75.268695204
511	80431	-34341.14133	86367.3170250766	39.24681230619157	-100.9206643	334260.5341791745	3435923.500921673	3117.2959819817045	2944.95734092167	2884.94230283139	2988.507637387	84.22476092016264	75.268695204
512	80432	-33681.14133	86367.3170250766	39.246815602507885	-100.9183419	334461.56620507885	3435919.57610247	3116.2959819817045	2944.28813613616	2984.303711550323	2984.303711550323	84.22476092016264	75.268695204
513	80433	-33021.14133	86367.3170250766	39.24681889242329	-100.9159921	334662.6036864723	3435915.50723132	3115.2959819817045	2943.64081402799	2884.084168863055	2983.79930030369	83.566325392616	59.64140238929996
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515	80435</												

ix	iy	x	Y.R	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRIElevLogKrg	BRIElevBothKrg	SatHtLogKrg	SatHtBoth
595	109	80515	21708.8586770335	86367.3170250766	32.46848538853928	-100.72497462	351147.1372268953	4345567.720281422	2950.786117654974	2741.955210204578	2755.8901810602504	2775.159481173483	66.79502914
596	109	80516	21708.8586770335	86367.3170250766	32.4684837671555	-100.7249648	351348.1619	4345583.73	2947.824819147	2839.56433385485	2761.6877541025433	2754.224510071913	68.1659014603022
597	109	80517	22018.8586770335	86367.3170250766	32.46848241269602	-100.7203712	351549.18666277	4345583.73	2857.729845856655	2787.303485636372	2767.67006754088	2773.006733891971	75.0586861391971
598	108	8118	23758.8586770335	86367.3170250766	32.4684087078067	-100.7177678	351750.2180103074	434557.751581217	2941.902894947303	2855.56842296193	2771.27690859557	2773.011243124206	64.30951837
599	108	80519	23738.8586770335	86367.3170250766	32.46839274869515	-100.7156584	351951.23505017406	4345571.76280181	2938.75152527998	2832.42897466396	2782.985942732123	2786.090484633647	54.40225647342292
600	100	80520	24388.8586770335	86367.3170250766	32.46813733962535	-100.7133289	352152.2914622556	434557.737361816	2935.43675024839	2831.2612912919285	2785.9707538	2787.864848702874	45.2053738
601	100	80521	25058.8586770335	86367.3170250766	32.4683594859804	-100.7109994	352353.2831	4345563.78426315	2932.100246481678	2829.087425369644	2776.571094	2786.4283974618024	52.61848623744729
602	100	80522	25178.8586770335	86367.3170250766	32.46832471161215	-100.70867	352554.308989876	4345559.75973594	2928.760464816178	2829.013078470464	2771.63046669934	2771.1138263039365	55.7992573730807
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604	100	80524	25738.8586770335	86367.3170250766	32.468302037672	-100.7040111	352956.35020571	4345551.81917447	2936.06415125267	2827.577061050113	2774.924082280757	2774.924082280757	58.77614087229837
605	100	80525	27698.8586770335	86367.3170250766	32.4682875440764	-100.7016816	353157.37745031027	4345547.83101062	2940.024326290477	2820.42108832094	2762.16954124276	2761.974082326358	58.2535647583341
606	100	80526	28358.8586770335	86367.3170250766	32.4682634360905	-100.6993521	353358.4007194822	4345543.853501347	2941.00110886673	2818.282447273037	2759.35838706543	2759.13048390493	58.92269163760626
607	100	80527	29018.8586770335	86367.3170250766	32.46824887731535	-100.6970227	353559.423861645	434553.855031975	2898.02946337524	2816.575800416776	2756.265651	2756.265651	59.08734511757902
608	100	80528	29678.8586770335	86367.3170250766	32.468228865822	-100.694932	353760.4467706991	434553.86795281	2935.679577	2814.0486303648832	2752.84666	2752.84666	61.1944042630830
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610	100	80530	30998.8586770335	86367.3170250766	32.46818750124305	-100.6900433	354162.492251706	4345527.893231065	2957.2403340383094	2809.871951672627	2744.40308285478	2744.403082	65.4628338678899
611	100	80531	31658.8586770335	86367.3170250766	32.468116614263714	-100.6877740	354363.514785175	4345523.960223023	2955.059755542038	2807.806824295223	2739.764109007457	2739.764109007457	68.06071529
612	100	80532	32138.8586770335	86367.3170250766	32.4681443340732	-100.6853754	354564.5371740225	4345519.91937675	2955.790835476556	2805.790835476556	2736.216209535076	2736.216209535076	69.8145287404
613	100	80533	32978.8586770335	86367.3170250766	32.46812027555195	-100.6830459	354765.5594219164	4345515.32750222	2954.026639479318	2803.72951674997	2735.689682269633	2734.997102802856	78.6239476
614	100	80534	33638.8586770335	86367.3170250766	32.4680903670731	-100.6807165	354960.3851250641	4345511.946250948	2938.78518529644	2801.720194	2736.901427022259	2736.901427022259	65.842886442244
615	100	80535	34298.8586770335	86367.3170250766	32.4680782086367	-100.678387	355167.603495669	4345507.960017745	2937.147799259329	2799.731453790654	2738.410699925952	2737.036080281247	62.6705475040999
616	100	80536	34958.8586770335	86367.3170250766	32.4680556	-100.6760675	355368.6252193225	4345503.97302319	2928.054197976577	2797.745814139058	2738.6256907066622	2738.11617418627	58.1189043978725
617	100	80537	35618.8586770335	86367.3170250766	32.4680334148917	-100.6737912	355569.6470804565	4345498.988011124	2927.054398019177	2796.785464203516	2740.721860531769	2740.721860531769	61.21418005203769
618	100	80538	36278.8586770335	86367.3170250766	32.468010033531	-100.6713986	355770.85652671	4345496.002281787	2915.900747078953	2793.899611243112	2740.561945805973	2737.354037289353	58.8532235378516
619	100	80539	36938.8586770335	86367.3170250766	32.46797970531715	-100.6690692	355971.8896074592	4345493.017635087	2914.7419867969634	2792.00271844269	2740.6183415940738	2737.974680830137	53.3843800119455
620	100	80540	37598.8586770335	86367.3170250766	32.4679536790385	-100.6667397	356172.7122770454	4345484.031731015	2918.4812145079805	2790.31650099064	2740.658161163636	2737.6600871353722	51.4248489357612
621	100	80541	38258.8586770335	86367.3170250766	32.46792780891326	-100.6644103	356373.73235534007	4345480.64189562	2922.0285339598	2788.281697822883	2740.685928581092	2737.026330467246	51.2926913815684
622	100	80542	38918.8586770335	86367.3170250766	32.46790150077565	-100.6620088	356574.7533438256	4345480.611970225	2925.9602851640157	2786.455899515106	2740.503841655128	2737.648806717638	45.95205426038274
623	100	80543	39578.8586770335	86367.3170250766	32.4678747425806	-100.6597513	356776.678734815	4345476.076374841	2924.857678518865	2784.087138818685	2740.487460387318	2737.648806717638	48.80703138872834
624	100	80544	40198.8586770335	86367.3170250766	32.467847512069	-100.657429	356978.7490444134	4345472.092	2923.74992416599	2782.96914816599	2740.4146633107228	2737.648806717638	49.80237311245066
625	100	80545	40898.8586770335	86367.3170250766	32.4678198762601	-100.6550294	357177.8147687214	4345464.10728972	2909.02155802969	2781.70138726281	2738.87899834455	2737.648806717638	51.2926913815684
626	100	80546	41558.8586770335	86367.3170250766	32.467791768543	-100.652763	357378.8359110447	4345464.123	2901.498180102248	2779.3702008062	2738.38230309645	2737.648806717638	52.61848623744729
627	100	80547	42218.8586770335	86367.3170250766	32.46776321073135	-100.6504335	357579.8562077043	4345460.13893538	2898.736679204979	2777.658843	2738.187857406925	2737.665089563294	39.47085112284705
628	100	80548	42878.8586770335	86367.3170250766	32.46773732028517	-100.6481041	357780.876352447	4345456.10502075	2937.730825313584	2779.730825313584	2738.187857406925	2737.665089563294	45.48021678841753
629	100	80549	43538.8586770335	86367.3170250766	32.467704450151	-100.6457748	357981.896857404	4345452.173112129	2937.730825313584	2779.730825313584	2738.187857406925	2737.665089563294	48.80703138872834
630	100	80550	44198.8586770335	86367.3170250766	32.4676746372089	-100.643451	358192.616889253	4345448.187700876	2937.730825313584	2779.730825313584	2738.187857406925	2737.665089563294	51.2926913815684
631	100	80551	44858.8586770335	86367.3170250766	32.467647945561	-100.6411517	358383.9311440557	4345444.50415241	2931.1899587069138	2779.730825313584	2738.187857406925	2737.665089563294	54.5832235378516
632	100	80552	45518.8586770335	86367.3170250766	32.4676136717498	-100.6387862	358584.9557	4345440.221402303	2900.091199810591	2779.502117715296	2746.42710558575	2746.42710558575	57.62689216490204
633	100	80553	46178.8586770335	86367.3170250766	32.4675815848899	-100.6364568	358785.9751948611	4345436.238251341	2900.96341	2767.346823712993	2748.5151771983305	2748.5151771983305	61.21418005203769
634	100	80554	46838.8586770335	86367.3170250766	32.467550764664	-100.6341273	358986.9943016446	4345432.25443151	2895.895481909699	2766.403765025676	2749.028652191013	2749.028652191013	62.6705475040999
635	100	80555	47498.8586770335	86367.3170250766	32.467518548899	-100.6317979	359188.0137289005	4345428.273	2894.837811722494	2764.218800120204	2749.028652191013	2749.028652191013	65.48021678841753
636	100	80556	48158.8586770335	86367.3170250766	32.467485943173	-100.629484	359399.0327913936	4345424.30374261	2892.830239471027	2763.39622340722	2738.61048470807	2738.61048470807	68.1659014603022
637	100	80557	48718.8586770335	86367.3170250766	32.467457394226	-100.627192	359600.0137289005	4345420.394261	2891.830481909699	2762.418800120204	2749.028652191013	2749.028652191013	71.0586861391971
638	100	80558	49478.8586770335	86367.3170250766	32.467419347226	-100.6248095	359810.0705084611	4345416.32035289	2890.78534629683	2760.38012858608	2747.9109267317823	2747.9109267317823	74.3242311321167
639	100	80559	50138.8586770335	86367.3170250766	32.4673854190206	-100.62248	359992.089364487	4345412.34139497	2905.465801798473	2758.902614625386	2715.2753861763204	2705.48164031534	43.6227284403692
640	100	80560	50798.8586770335	86367.3170250766	32.467350116128	-100.6201506	360193.1076380146	4345408.36246162	2901.514999124256	2757.435045215286	2712.897793431474	2701.03738619335	56.39718076871304
641	100	80561	51458.8586770335	86367.3170250766	32.4673165148396	-100.618211	360394.126067356	4345404.380898274	2906.7139164551	2755.979200434396	2710.697823234396	2710.697823234396	59.08734511757902
642	100	80562	52118.8586770335	86367.3170250766	32.4672808470789	-100.6154917	360595.143166851	4345400.3995848					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatHtLogs.kg.f	SatHtBoth.ft
721	109	80641	10425.85867307335	86367.3170250766	39.246309971876066	-100.4314657	776475.1770300643	4345086.48755711	2765.9043740399375	2642.92615305725	2589.4411910229883	2589.4717469711627	53.4848620343669	53.45440638683227
722	109	80642	104618.85867307335	86367.3170250766	39.24629964152973	-100.4291363	77676.1871413826	4345086.48755711	2641.675409783412	2588.3952190234413	2588.4207332587074	2588.3952190234413	53.2546772547117	53.2546772547117
723	109	80643	104673.85867307335	86367.3170250766	39.24629964152973	-100.4291363	77676.1871413826	4345086.48755711	2641.675409783412	2588.3952190234413	2588.4207332587074	2588.3952190234413	53.2546772547117	53.2546772547117
724	109	80644	104673.85867307335	86367.3170250766	39.24629964152973	-100.4291363	77676.1871413826	4345086.48755711	2641.675409783412	2588.3952190234413	2588.4207332587074	2588.3952190234413	53.2546772547117	53.2546772547117
725	109	80645	106808.85867307335	86367.3170250766	39.24627818052214	-100.422148	77729.278655456	434507.87627163635	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
726	109	80646	107558.85867307335	86367.3170250766	39.24627818052214	-100.4198186	777480.2164043507	434506.6166670758	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
727	109	80647	108878.85867307335	86367.3170250766	39.24626314351685	-100.4174892	777881.2232953124	434506.6166670758	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
728	109	80648	108878.85867307335	86367.3170250766	39.24626314351685	-100.4151598	77882.23132931325	434508.65094571	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
729	109	80649	109636.85867307335	86367.3170250766	39.24624696925271	-100.4126833	778983.2386118885	434508.65094571	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
730	109	80650	110198.85867307335	86367.3170250766	39.24624696925271	-100.4105009	778983.2386118885	434508.65094571	2774.56176003403	2637.9084836244223	2583.928956882241	2583.928956882241	53.962568802314	53.959162902754
731	109	80651	110858.85867307335	86367.3170250766	39.24623364364222	-100.4081715	778485.25823812194	434507.79510079	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
732	109	80652	111158.85867307335	86367.3170250766	39.24622603835567	-100.4058421	778686.2597473833	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
733	109	80653	112178.85867307335	86367.3170250766	39.24621843806748	-100.4035126	778887.2659641672	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
734	109	80654	112838.85867307335	86367.3170250766	39.2462107778467	-100.4011832	779088.2729977663	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
735	109	80655	113498.85867307335	86367.3170250766	39.2462030520721	-100.3988538	779289.278853867	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
736	109	80656	114158.85867307335	86367.3170250766	39.24619522023518	-100.3965244	779490.2865572291	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
737	109	80657	114818.85867307335	86367.3170250766	39.2461876696856	-100.394195	779691.2927135028	434508.241420025	2762.502004604998	2634.354884	2560.8563879723292	2560.8563879723292	54.09859644074057	54.09859644074057
738	109	80658	115478.85867307335	86367.3170250766	39.24617963670736	-100.391857	779892.2989540489	434509.038169153	2761.347314664385	2621.35538701454	2547.594747132884	2547.594747132884	54.09859644074057	54.09859644074057
739	109	80659	116138.85867307335	86367.3170250766	39.246171451561	-100.3895361	780093.3051	434509.038169153	2761.347314664385	2621.35538701454	2547.594747132884	2547.594747132884	54.09859644074057	54.09859644074057
740	109	80660	116798.85867307335	86367.3170250766	39.24616380120131	-100.3872067	780294.3110904527	434509.038169153	2761.347314664385	2621.35538701454	2547.594747132884	2547.594747132884	54.09859644074057	54.09859644074057
1	110	80661	-370941.1431	864337.3170250766	39.24157481325463	-102.1086248	73190.9078100301	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
2	110	80662	-370281.1431	864337.3170250766	39.24155967800083	-102.106297	73191.0514737615	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
3	110	80663	-369541.1431	864337.3170250766	39.2415449881147906	-102.1039892	73191.0514737615	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
4	110	80664	-368961.1431	864337.3170250766	39.2415307254236	-102.1016376	73233.134082847	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
5	110	80665	-368301.1431	864337.3170250766	39.241516754033764	-102.0993085	73251.4916688817	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
6	110	80666	-367641.1431	864337.3170250766	39.241700487149124	-102.0969795	73271.53696953468	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
7	110	80667	-366981.1431	864337.3170250766	39.2417525697684	-102.0946504	73291.628004991	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
8	110	80668	-366321.1431	864337.3170250766	39.24175052182073	-102.0923213	73311.92671765139	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
9	110	80669	-365661.1431	864337.3170250766	39.24175052182073	-102.0900922	73331.92671765139	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
10	110	80670	-365001.1431	864337.3170250766	39.24180037555768	-102.0878634	73350.21527114	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
11	110	80671	-364341.1431	864337.3170250766	39.24182523644888	-102.0853341	73371.3594902202	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
12	110	80672	-363681.1431	864337.3170250766	39.24185051356955	-102.083005	73392.0532116092	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
13	110	80673	-363021.1431	864337.3170250766	39.24187482128094	-102.0806759	73412.3466602382	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
14	110	80674	-362361.1431	864337.3170250766	39.241889955	-102.0783468	73432.3466602382	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
15	110	80675	-361701.1431	864337.3170250766	39.241892426176515	-102.0760177	73452.3466602382	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
16	110	80676	-361041.1431	864337.3170250766	39.2419149881147906	-102.0736986	73472.07404240093	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
17	110	80677	-360381.1431	864337.3170250766	39.241917351135244	-102.0713695	73492.258171928116	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
18	110	80678	-359721.1431	864337.3170250766	39.241919796138146	-102.0690304	73512.3599510233	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
19	110	80679	-359061.1431	864337.3170250766	39.2420022615673	-102.066713	73530.5108203617	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
20	110	80680	-358401.1431	864337.3170250766	39.24204695119092	-102.0643722	73551.6434709653	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
21	110	80681	-357741.1431	864337.3170250766	39.242071731240626	-102.0620341	73572.78471742792	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
22	110	80682	-357081.1431	864337.3170250766	39.242096732408287	-102.059714	73593.9258537756	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
23	110	80683	-356421.1431	864337.3170250766	39.242125971763408	-102.0574418	73615.06107956	43481.9152797436	4046.33168719436	3823.81096219317	3742.988995943695	3741.788373893696	91.55667243217812	91.55667243217812
24	110	80684	-355761.1431	864337.3170250766	39.242144321435287	-102.055175	73637.22027326614	43481.9152797436	4046.33168719436	3823.81096219317	3742.988			

ix	iy	k	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BREIEvLogskrg.ft	BREIEvBothKrg.ft	SatHBothKrg.ft	SatHBoth2.ft
107	10767	-300881.1413	864337.3170250766	39.2440023385532	-101.8617352	253029.9873999213	4347757.968329981	39822.602179076004	3536.1681138196636	3604.69274759861	73.2473455	4.72271172852626		
108	10768	-300321.1413	864337.3170250766	39.2440228300059	-101.8594509	253231.1017027646	4347753.88815914	3921.270511867051	3607.294740996367	3571.603465926894	69.8912780434873	5.193756963068454		
109	10769	-299661.1413	864337.3170250766	39.2440328313783	-101.8570767	253432.2201761352	4347758.980168136	3812.268273046482	3593.268273046482	3538.078602586371	85.1198263485017	8.8583583589581		
110	10770	-299001.1413	864337.3170250766	39.24403638759693	-101.8547475	253633.3388972802	4347755.73827902	3816.60717013607	3603.1280757857485	3540.2039374270174	3589.713572613035	62.91867335731086	13.41450245444965	
111	10771	-298341.1413	864337.3170250766	39.2440404886765	-101.8524183	253834.4556458464	4347741.6845483	3814.278928840092	3601.0845817656727	3540.900529647934	3585.055127373977	60.18405211807931	16.02940249187504	
112	10772	-297681.1413	864337.3170250766	39.24410436515007	-101.850089	254035.5758975081	4347737.56937273	3816.430988940024	3599.609168083424	3541.517654821374	3586.2321040839641	55.1531236696841	12.83703272895606	
113	10773	-297021.1413	864337.3170250766	39.2441263444155	-101.8477598	254236.69380710015	4347734.49008065	3815.424283550879	3597.083135505879	3541.8868583726111	3579.2197717699414	55.19622717216781	17.86332733937583	
114	10774	-296361.1413	864337.3170250766	39.24414486274986	-101.8454036	254437.8118334674	4347729.41103503	3814.471871902704	3598.1281526041826	3542.4938071023735	3573.9436362422676	52.643345501809094	20.16460181124968	
115	10775	-295701.1413	864337.3170250766	39.24416584067915	-101.8431073	254638.92981581572	4347725.332	3812.382723046482	3593.268273046482	3543.24201632795	3574.4970015851277	49.96062689411915	18.707836987779236	
116	10776	-295041.1413	864337.3170250766	39.24418519035998	-101.8407721	254840.0647972487	4347721.25498368	3810.331666473131	3591.311871	3543.4083471729965	3575.5803227749147	47.903003447883315	17.54757845865416	
117	10777	-294381.1413	864337.3170250766	39.244205271746296	-101.8384429	255041.16401524702	4347717.17494689	3806.27612025079	3589.448005211071	3542.63983053408	3578.313126814641	46.0817467802308	11.13487389430336	
118	10778	-293721.1413	864337.3170250766	39.244225318089096	-101.8361136	255242.2808907767	4347713.097	3803.221735384646	3587.613742214296	3541.65792699116	3574.3069269547434	45.95576594518023	13.306815298816662	
119	10779	-293061.1413	864337.3170250766	39.24424531946131	-101.8337844	255443.3925408818	4347709.01856947	3799.370654	3585.8105651414107	3540.4518796285147	3564.213354202493	45.8588551283238	21.59721173891739	
120	10780	-292401.1413	864337.3170250766	39.24426527583593	-101.8314552	255644.5139154518	4347704.90463762	3794.729440363762	3584.204434353254	3539.903897316076	3555.10093693406	44.1363371744952	28.939404053023095	
121	10781	-291741.1413	864337.3170250766	39.24428519	-101.8291259	255845.6309456158	4347700.96289121	3790.790661766874	3582.307178823067	3538.6144531471746	3547.688800303966	42.925672645612	34.6129878853405	
122	10782	-291081.1413	864337.3170250766	39.244305361197	-101.8267767	256046.745972099	4347696.78327178	3785.432723849116	3580.818419	3540.4854992564783	3544.752885	40.1320193161148	35.865311164591	
123	10783	-290421.1413	864337.3170250766	39.24432457057773	-101.8244674	256247.8616384788	4347690.77606547	3781.816689119033	3578.907401633798	3541.942319324667	3543.075125454652	37.08424159171934	35.352837091452	
124	10784	-289761.1413	864337.3170250766	39.24434465147027	-101.8221382	256447.977064893	4347688.30757105	3779.223316592606	3577.45264587844	3538.5322291491	3540.35224043723	34.024254374323	37.0674041198826	
125	10785	-289101.1413	864337.3170250766	39.244363428278565	-101.819809	256650.0922483303	4347684.55377638	3776.641439960223	3576.061995	3531.015727	3540.61198594748	35.4062476783001	35.450099153656134	
126	10786	-288441.1413	864337.3170250766	39.244383409320766	-101.8174797	256851.2073910006	4347680.476964365	3773.641397139474	3574.4.8392123714534	3522.947359	3541.467390334643	51.89185295124346	37.3127184	
127	10787	-287781.1413	864337.3170250766	39.24440371077406	-101.8151055	257052.3218961246	4347679.400339051	3770.792658735995	3573.7632865678723	3514.04671510593	3540.046921604883	59.71759710377914	33.3574096	
128	10788	-287121.1413	864337.3170250766	39.2444233723848	-101.8128212	257253.4358989026	4347672.34	3766.8702719707	3572.783933	3504.984215122681	3510.076250191818	67.797179	35.71262570761846	
129	10789	-286461.1413	864337.3170250766	39.244443922	-101.810461	257458.5298167352	4347669.274484814	3765.924268751533	3569.544112854258	3509.641727745893	3508.243772745854	64.14724017089233		
130	10790	-285801.1413	864337.3170250766	39.244462365200405	-101.8081627	257655.6645481773	4347664.17583276	3759.029551	3570.95925090956	3492.934005002598	3446.6096292702	70.820497008353	124.34987568179349	
131	10791	-285141.1413	864337.3170250766	39.2444832876988	-101.8058335	257856.77890713004	4347660.195070714	3755.7873910981	3570.9592226983	3488.33810912478	3411.64740717232565	81.7318714214478	155.45314754663647	
132	10792	-284481.1413	864337.3170250766	39.24450123420629	-101.8035042	258057.8918105401	4347656.20012818	3753.22606502144	3569.197621	3483.449175842967	3385.052532	80.74845132817315	184.1450895027994	
133	10793	-283821.1413	864337.3170250766	39.244520614725594	-101.8011749	258259.05070246282	4347651.94450758	3560.68481802612	3566.381751084783	3477.721634787094	3384.353789148406	90.95971162518893	183.964621339422	
134	10794	-283161.1413	864337.3170250766	39.2445399122578	-101.7988457	258461.1809958884	4347647.86918907	3562.10357003209	3567.435883203229	3472.279102322255	3387.968991873346	95.15678088097411	179.46689132088286	
135	10795	-282501.1413	864337.3170250766	39.24455922	-101.7965164	258661.2268693758	4347643.794957676	3560.94481196507	3569.544112854258	3468.541244691484	3389.204336977165	100.0023369650338	175.40233336351583	
136	10796	-281841.1413	864337.3170250766	39.2445793486045	-101.7941872	258862.3433231191	43474.13300302509	3560.94481196507	3569.544112854258	3468.541244691484	3389.204336977165	100.0023369650338	175.40233336351583	
137	10797	-281181.1413	864337.3170250766	39.244597650911224	-101.7918579	259063.4557180424	4347635.3463331355	3547.31195685054	3564.725360111088	3465.386246465994	3460.978249532732	109.3391354448487	157.76403515781463	
138	10798	-280521.1413	864337.3170250766	39.2446167748453	-101.7895287	259264.56718232428	4347631.56978107	3540.548249754504	3563.792972125686	3451.48930736071	3414.353795	112.35036313649763	149.4391347643684	
139	10799	-279861.1413	864337.3170250766	39.24463589068534	-101.7871984	259465.6796478008	4347629.45939568	3540.966026242218	3562.842811503201	3449.707584529006	3426.93145671814345	113.352226974249	135.9114621198858	
140	10800	-279201.1413	864337.3170250766	39.2446545566319	-101.7848701	259666.7912330008	4347623.41196903	3537.89564177657	3561.873136129596	3450.339941	3442.041213677751	111.5331949794567	119.831523452201	
141	10801	-278541.1413	864337.3170250766	39.24467396728485	-101.7825408	259867.80259619494	4347619.347184711	3536.724779710981	3562.86246480738	3452.557722852818	3458.839934780718	108.32474195457962	102.04548672722151	
142	10802	-277881.1413	864337.3170250766	39.24469322	-101.7802116	260068.9131575789	4347615.273	3535.54152854258	3561.873136129596	3452.557722852818	3458.839934780718	108.32474195457962	102.04548672722151	
143	10803	-277221.1413	864337.3170250766	39.2447118555107	-101.7778823	260270.1245976093	4347611.19702121	3534.20995182391	3558.8346287386357	3456.825928524513	3479.713804718718	100.2061259322288	99.12084267663975	
144	10804	-276561.1413	864337.3170250766	39.2447303214764	-101.7755531	260471.2352427466	4347607.126267708	3532.694129	3557.70774908137	3461.65839806211	3481.818969724896	96.1123504792574	71.8582052364735	
145	10805	-275901.1413	864337.3170250766	39.24474956379501	-101.7732238	260672.3560593134	4347603.0301869	3531.78293749169	3556.696432023598	3464.901795537073	3481.095441486233	91.7946354862245	75.6009748974968	
146	10806	-275241.1413	864337.3170250766	39.24476830542844	-101.7708945	260873.458222434	4347598.9792263	3529.66245802438	3555.991765478623	3467.909609605978	3485.599256858063	87.600795686842	70.0318397005598	
147	10807	-274581.1413	864337.3170250766	39.24478702121065	-101.7685953	261074.5657570216	4347594.907029898	3528.7414253236563	3549.14253236563	3469.100431355576	3494.994021210807	85.620195862934	59.468391429429194	
148	10808	-273921.1413	864337.3170250766	39.24480578679674	-101.766236	261275.6745450307	4347590.834323751	3527.12519569472	3553.30825803172	3471.846467771197	3494.291987410186	84.43793953	59.01603833215222	
149	10809	-273261.1413	864337.3170250766	39.24482430446896	-101.7639714	261476.7816178404	4347586.1841849	3526.01841841849	3552.423679172226	3478.823178192226	3497.823178192226	82.7317118	54.86840916378912	
150	10810	-272601.1413	864337.3170250766	39.244843304718781	-101.7615714	261677.8610463027	4347582.69470193	3524.752736	3550.9245044098	3477.073667311373	3503.909230719046	81.9165087767841	46.934163766313	
151	10811	-271941.1413	864337.3170250766	39.24486160889371	-101.7592482	261879.03373435	4347578.61324572	3523.421927125774	3549.695579780993	3476.865712096055	3511.273659231214	72.829668723876	38.42192054878905	
152	10812	-271281.1413	864337.3170250766	39.24488012561699	-101.7569189	262080.118932259	4347574.55364574	3521.91953847134	3548.441702883337	3477.87352077793	3512.18610410976	70.641850		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatThcLog.s	SatThcBoth.ft
233	103	80893	-217821.1413	864337.3170250766	39.24623056582599	-101.5684237	278369.15831529687	342742.353400281	3575.7546488578614	3432.036630215315	3435.528044457457	0	0
234	104	80894	-217161.1413	864337.3170250766	39.24624539327273	-101.5659143	27870.2485	347241.247171057	354.198177088206	3430.81985020135	3436.57192552707	3445.769782	0
235	105	80895	-216501.1413	864337.3170250766	39.246251338282313	-101.563685	27877.3386282313	347222.222707761	3527.80799814552	3438.935026851937	3453.7472877401	0	0
236	106	80896	-215841.1413	864337.3170250766	39.24627491318905	-101.5612556	27867.754207071899	347233.165890386	3567.756340238835	3428.01629437173	3473.790765994206	3465.5701887489	0
237	107	80897	-215181.1413	864337.3170250766	39.24628905658587	-101.5589262	279173.5176015658	347229.197598294	3563.9806202014955	3427.2047759766657	3437.932135817271	3448.0428322798034	0
238	108	80898	-214521.1413	864337.3170250766	39.24630245313557	-101.5565969	279374.6068781567	347225.05381361	3560.204891204508	3426.016511	3439.008184178848	3450.36697838023	0
239	109	80899	-213861.1413	864337.3170250766	39.2463188562009	-101.5542575	279575.69593716005	347220.998053698	3557.5326455812924	3424.8362650415525	3440.4040156369947	3453.7284202426227	0
240	110	80900	-213201.1413	864337.3170250766	39.24633413112076	-101.5519381	279796.784777996	347216.942479992	3555.96383334548	3423.6139065948	3442.03436052181	3456.249062968306	0
241	111	80901	-212541.1413	864337.3170250766	39.246347825611495	-101.5496908	279977.8734	347212.98792029	3554.389152876945	3422.488859167812	3445.69032948002	3454.204484013685	0
242	112	80902	-211881.1413	864337.3170250766	39.24636233311833	-101.5472794	27977.96181075997	347208.832	3552.82635841005	3421.515980223565	3445.9148560312653	3459.2839567183	0
243	113	80903	-211221.1413	864337.3170250766	39.24637681563255	-101.54445	280380.05001490743	347204.776873858	3553.11358938368	3420.13902	3448.080503560914	3454.9887740710624	0
244	114	80904	-210561.1413	864337.3170250766	39.24639119315415	-101.5426206	280581.138	347200.722043568	3555.2661256562	3418.95440433688	3449.52119064256	3456.587586373275	0
245	115	80905	-209901.1413	864337.3170250766	39.2464052569016	-101.5402913	280782.2258334693	347196.66739111	3557.400035947588	3417.7571572129964	3449.902526485368	3457.331952431859	0
246	116	80906	-209241.1413	864337.3170250766	39.24641981322635	-101.5379619	280963.3132731555	347192.61239816	3559.5432592395464	3416.542766307117	3448.538001154647	3458.10837274719015	0
247	117	80907	-208581.1413	864337.3170250766	39.24643405579604	-101.5356325	281184.4007009027	347188.558695754	3561.0914725219004	3415.306359737352	3444.261649169168	3458.1467189515	0
248	118	80908	-207921.1413	864337.3170250766	39.24644825332053	-101.5333301	281385.489109142	347184.504578426	3562.044757946493	3414.042678699176	3439.0692243264034	3453.8745956351017	0
249	119	80909	-207261.1413	864337.3170250766	39.246462405878475	-101.5309738	281586.547053948	347180.456077722	3562.99879067397	3412.745707185167	3433.860925354816	3451.640112557398	0
250	120	80910	-206601.1413	864337.3170250766	39.24647651344359	-101.5286444	281787.6614	347176.3960624275	3563.951082340146	3411.4107302815524	3427.830146112553	3450.67235625281	0
251	121	80911	-205941.1413	864337.3170250766	39.24649058	-101.526315	281988.744858874	347172.343432945	3564.173434792207	3410.036136313117	3422.6156503057423	3453.01492277159	0
252	122	80912	-205281.1413	864337.3170250766	39.246505393595354	-101.5239856	282189.8340971704	347168.290089262	3563.664963	3408.6139682403628	3418.597596	3444.379624961269	0
253	123	80913	-204621.1413	864337.3170250766	39.24651857	-101.5216652	282390.920132127	347164.23693138	3563.166035049537	3407.1351781004446	3414.2245090407485	3436.566476876798	0
254	124	80914	-203961.1413	864337.3170250766	39.24653483775554	-101.5193268	282592.005620314	347160.133959262	3562.9602683527	3405.600619661488	3409.47240402741	3428.857789793547	0
255	125	80915	-203301.1413	864337.3170250766	39.24654931763576	-101.5169814	282793.0511723854	347157.01815357	3562.981338978504	3404.789156582634	3408.52285856283	3425.9285856283	0
256	126	80916	-202641.1413	864337.3170250766	39.24656021398402	-101.5146681	282994.1769451453	347152.0752375	3561.051949128173	3402.341959517235	3404.700135374637	3418.37156237401	0
257	127	80917	-201981.1413	864337.3170250766	39.24657400569879	-101.5123387	283195.262176789	347148.026	3559.37384186686	3400.6311677107274	3401.5496275457594	3414.858005555464	0
258	128	80918	-201321.1413	864337.3170250766	39.24658774225053	-101.5100093	283396.34709701915	347143.93282639	3558.165371460555	3398.85744503404	3398.428268506134	3408.764245927022	0.4292576527905112
259	129	80919	-200661.1413	864337.3170250766	39.24660145684921	-101.5076799	283597.4318418112	347139.921885245	3556.487222296755	3397.006159163315	3395.4548140357724	3404.493672	1.514691805572647
260	130	80920	-200001.1413	864337.3170250766	39.24661511448487	-101.505305	283798.516783693	347135.870027694	3554.339035692	3395.153297034687	3392.783826963707	3400.7633834983467	2.389414393163176
261	131	80921	-199341.1413	864337.3170250766	39.24662990749623	-101.5030154	283999.6007409623	347131.81253574	3553.2981698493677	3393.2983683194555	3390.2983683194555	3395.2285856283	3.5191699599856
262	132	80922	-198681.1413	864337.3170250766	39.24664377477681	-101.500971	284200.648172041	347127.7668997	3550.0442629512	3391.2613542482	3389.8574450347405	3390.76237224191	4.732759595411307
263	133	80923	-198021.1413	864337.3170250766	39.24665582	-101.4983624	284401.7687123363	347123.715569401	3548.28538352305	3389.2838352305	3384.133261306638	3389.138275	5.120261392541125
264	134	80924	-197361.1413	864337.3170250766	39.24666929059622	-101.496033	284602.582394377	347119.64524737	3546.91897145508	3387.28018496201	3381.498109164333	3390.698503086203	5.672075145627514
265	135	80925	-196701.1413	864337.3170250766	39.2466827776612	-101.4937306	284803.9358727303	347115.61325773	3545.552572965447	3385.1268417667843	3379.1645545179517	3387.307500575948	5.62862724883281
266	136	80926	-196041.1413	864337.3170250766	39.24669611544281	-101.4913742	285005.91342193	347111.56278205	3544.186174474502	3383.012817798683	3376.324507065562	3384.005478494183	6.688310714320626
267	137	80927	-195381.1413	864337.3170250766	39.246709488126254	-101.4890448	285206.102184228	347112.72284824	3542.11727808817	3380.96896211422	3373.95967859712	3382.79818828327	7.27309642545063
268	138	80928	-194721.1413	864337.3170250766	39.24672275581614	-101.486714	285407.185220527	347103.61853523	3539.246844679844	3379.17512823074	3377.0252066874	3379.5202066874	8.279152066874
269	139	80929	-194061.1413	864337.3170250766	39.246736051381	-101.484386	285608.265645563	347099.411226948	3537.54783138686	3376.384921237723	3376.075375633814	3376.075375633814	9.27309642545063
270	140	80930	-193401.1413	864337.3170250766	39.246749216216834	-101.4820566	285809.3501	347095.36166234	3533.803697683206	3374.303633273637	3372.3776004337593	3372.3776004337593	10.27309642545063
271	141	80931	-192741.1413	864337.3170250766	39.24676237892706	-101.4797272	286010.4232698474	347091.31851332	3531.236036774308	3372.019858211507	3360.2488111319503	3365.86025991903	11.27309642545063
272	142	80932	-192081.1413	864337.3170250766	39.2467754966436	-101.4773978	286211.514263737	347087.26222076	3528.873130340487	3369.85069331656	3358.14982302253	3363.104584082498	11.700831029403162
273	143	80933	-191421.1413	864337.3170250766	39.24678859367325	-101.4750684	286412.59607416266	347083.213	3526.51059323617	3367.31306055071	3356.061896680384	3360.182175627367	11.54569389027322
274	144	80934	-190761.1413	864337.3170250766	39.2468015970731	-101.472739	286613.676200427	347079.135204941	3524.1778715465864	3365.37189349130	3355.2179335474	3354.584273495706	10.159294135354443
275	145	80935	-190101.1413	864337.3170250766	39.24681482581182	-101.4704163	286814.761820527	347075.114481141	3522.9114481141	3363.2981698493677	3354.376847645454	3354.376847645454	11.54569389027322
276	146	80936	-189441.1413	864337.3170250766	39.246827517576996	-101.4680082	287015.804315451	347071.05561148	3519.717765141734	3360.85458346995	3350.7064103987187	3354.584273495706	10.159294135354443
277	147	80937	-188781.1413	864337.3170250766	39.24684041032656	-101.4657508	287216.921078371	347067.017	3517.551123271448	3358.645289115177	3348.756854602477	3352.200757962011	8.88843512700314
278	148	80938	-188121.1413	864337.3170250766	39.24685325808265	-101.4634214	287418.0018116356	347062.96834791	3515.38496177692	3346.863779	3349.889523756433	3347.70298678126958	6.521345361403746
279	149	80939	-187461.1413	864337.3170250766	39.2468660845198	-101.461092	287619.0823557636	347058.92014879	3514.994335	3354.1850225991757	3344.3343150593914	3346.24255830087	8.850770049770334
280	150	80940	-186801.1413	864337.3170250766	39.24687981961413	-101.4587626	287820.1627	347054.81780555	3513.679523917795	3351.970280468487	3342.169137	3343.8084724856008	8.801143694328292
281	151	80941	-186141.1413	864337.3170250766	39.24689315138615	-101.4564332	288021.2427513345	347050.82381816	3512.364914269558	3349.769769749454	3340.84592187758	3341.2383071165873	8.82847751704467
282	152	80942	-185481.1413	864337.3170250766	39.24690419171725	-101.4541303	288232.22551801	347046.71713851	3510.2489704141539	3347.57778861094	3339.095567780854	33	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
359	110	81019	-134661.1413	864337.3170250766	39.247744500774765	-101.2747372	303704.8642231121	4346735.6542799738	3364.92497613661	3202.499188422412	3164.152238252441	3151.1273025698024	38.34650169971024	51.37188585069046
360	110	81020	-134001.1413	864337.3170250766	39.247753569671086	-101.2724078	303905.9284680304	4346731.620675095	3333.295583782403	3200.5665807873457	3161.2762411156373	3150.005232400498	39.561348378097138	50.561348378097138
361	110	81021	-133241.1413	864337.3170250766	39.247762722304375	-101.2700278	304106.9628593148	4346727.5878214004	3331.798756964072	3198.069406287628	3157.2816231623275	3148.581954141058	50.93485325844086	50.93485325844086
362	110	81022	-132681.1413	864337.3170250766	39.24777194042626	-101.2677488	304308.0563811953	4346725.5456096056	3326.794547	3196.621716257839	3155.169037867658	3146.719556	51.4580738018107	49.90750133029144
363	110	81023	-132021.1413	864337.3170250766	39.24778086365289	-101.2654194	304509.12048303124	4346719.521020635	3324.904811834367	3194.6171794	3151.927050563999	3144.6368714018097	42.69074335	49.88025280600555
364	110	81024	-131361.1413	864337.3170250766	39.24778984	-101.2630899	304710.183525443	4346715.489520117	3324.358044	3192.582775355586	3148.493846701075	3141.373766813217	42.69074335	51.2049197223686
365	110	81025	-130701.1413	864337.3170250766	39.24779877512019	-101.2607604	304912.26849886046	4346714.57122897	3323.8112567444227	3190.53228040057	3144.92568073216	3138.7431558584033	45.5992373	51.78066964605171
366	110	81026	-130041.1413	864337.3170250766	39.24780766336085	-101.258431	305112.309902723	4346710.42491713	3322.81427499071	3188.424974098071	3141.390547131058	3135.785195846663	47.05242696701271	52.5378144571417796
367	110	81027	-129381.1413	864337.3170250766	39.24781656606816	-101.2561078	305313.32720425115	4346707.3829881448	3318.35040606287628	3187.5277816188978	3139.5216231623275	3132.811302781929	48.82851821105516	53.438198404768361
368	110	81028	-128721.1413	864337.3170250766	39.2478253455611	-101.253772	305514.4355146425	4346699.3610140194	3317.4115531892	3184.263987732026	3133.65265498362214	3129.87330684029	50.61119914108125	54.390812325273484
369	110	81029	-128061.1413	864337.3170250766	39.24783405811067	-101.2514248	305715.4980341083	4346695.329383647	3317.0295416097115	3182.210436694338	3129.9912397139897	3126.9613043962	52.5288331347432	
370	110	81030	-127401.1413	864337.3170250766	39.24784276369814	-101.2491131	305916.5604	4346691.26971034	3314.6449278675302	3180.228493275053	3126.812020858413	3124.483099432784	53.41490417089335	55.74539382471884
371	110	81031	-126741.1413	864337.3170250766	39.24785142963356	-101.2467836	306171.6225010762	4346689.259214344	3311.751849581371	3178.360838754042	3124.357013625243	3122.639933582702	54.003371152175	55.7208749237005
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373	110	81033	-125421.1413	864337.3170250766	39.24786962117471	-101.2421247	306519.7420579225	4346679.240402743	3306.8487651650943	3173.06108451633	3121.4802704195467	3120.59383138763	53.52853825616564	54.067775640033
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377	110	81037	-122781.1413	864337.3170250766	39.2479026431545	-101.2328068	307323.9914490754	4346662.082777683	3299.824759992133	3168.823681956755	3119.908509	3120.056436	47.8915189974958	48.76723177481563
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387	110	81047	-116181.1413	864337.3170250766	39.24798433040981	-101.2095127	309345.59841687	4346624.954916409	3288.0387957407815	3150.187928	3107.84810238892	3112.85041238892	43.5858184153222	53.884584589891154
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389	110	81049	-114861.1413	864337.3170250766	39.24799967414889	-101.2048531	309736.7087441726	4346614.735	3290.73712567596	3145.7910509716432	3103.0758910241966	3112.07034	42.716034744664	33.7217781891433
390	110	81050	-114201.1413	864337.3170250766	39.248007482497655	-101.2025237	309937.7673015004	4346610.707274261	3292.085097625187	3143.528144882344	3101.61211529439	3112.612310573171	41.91603272290513	31.7520284972868
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394	110	81054	-111561.1413	864337.3170250766	39.24803826533119	-101.1932057	310741.999695711	4346594.598016409	3297.421660274433	3134.113867121688	3096.495459	3107.784470797412	38.19402138892	32.884584589891154
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397	110	81057	-109581.1413	864337.3170250766	39.2480608105061	-101.1862173	311345.1719945427	4346582.510012389	3292.02625698474	3126.75189187146	3091.1743265381183	3102.4871248227731	35.75756454902786	24.26476364368825
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401	110	81061	-106941.1413	864337.3170250766	39.24809032957119	-101.176929	312154.555073767	4346562.38	3296.58520427875	3114.1095840909	3085.02745483524	3090.62813161592	29.9048102547988	23.47882194506974
402	110	81062	-106281.1413	864337.3170250766	39.2480978408640165	-101.1722404	312551.515672415	4346558.36290371	3286.1109055765	3111.544636314806	3084.03476787987	3087.8783043504	25.5096602581897	23.6667848426593
403	110	81063	-105621.1413	864337.3170250766	39.2481072480788	-101.1699109	312752.5676233549	434						

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogs.f	BRiElevLogs.f	SatThKlogs.f	SatThKlogs.f
485	110	81145	-15101.14133	864337.3170250766	39.24854400318995	-00.9812214	329037.5096653451	3436228.9097529985	314.609662104012	2876.3938304682893	2901.7170852579386	78.3908651309148	60.415831723453266
486	110	81146	-45041.14133	864337.3170250766	39.24854758185267	-00.9788919	329238.5012518598	3463622.945974235	2961.486452208546	2891.486452208546	2891.734272849813	81.02347297704112	67.1707100800408
487	110	81147	-8621.14133	864337.3170250766	39.24855102598866	-00.9782924	329459.5868682624	3463202.889779426	3138.0413281669487	2967.893272298617	2892.013462722986	78.2831521544483	68.7820181140397
488	110	81148	-45041.14133	864337.3170250766	39.24855424307895	-00.9747239	329604.6330424267	34616.88006584	314.2946619307007	2960.19217312657	2897.031222722986	78.2831521544483	68.7820181140397
489	110	81149	-48861.14133	864337.3170250766	39.24855770820356	-00.9719034	329841.67503872345	3462182.870541369	313.54799471317	2959.5452722808242	2960.612811853816	78.2831521544483	68.7820181140397
490	110	81150	-48861.14133	864337.3170250766	39.2485610673604	-00.9695739	330042.715968471	346208.681196841	312.8013273478933	2958.8896613041884	2951.3150518013144	78.2831521544483	68.7820181140397
491	110	81151	-47541.14133	864337.3170250766	39.24856345044534	-00.9672443	330443.7567	346204.2535053653	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
492	110	81152	-46881.14133	864337.3170250766	39.24856756917705	-00.9649148	330443.7567	346204.2535053653	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
493	110	81153	-46221.14133	864337.3170250766	39.24857074	-00.9629583	330665.8377692564	346196.834	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
494	110	81154	-45551.14133	864337.3170250766	39.24857787163093	-00.9602558	330846.878602134	346192.82565773	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
495	110	81155	-44901.14133	864337.3170250766	39.2485796536266	-00.9579263	331047.918132614	346192.82565773	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
496	110	81156	-44241.14133	864337.3170250766	39.2485799409758	-00.9555968	331248.958069064	346184.80902698	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
497	110	81157	-43581.14133	864337.3170250766	39.2485828783571	-00.9532673	331439.9978421736	346184.80902698	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
498	110	81158	-42921.14133	864337.3170250766	39.24858953657699	-00.9509377	331651.0374501954	346176.79305707	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
499	110	81159	-42821.14133	864337.3170250766	39.24858984032145	-00.9489802	331852.0786935927	346176.79305707	312.8013273478933	2958.25353588987	2961.4917679484156	78.2831521544483	68.7820181140397
500	110	81160	-41601.14133	864337.3170250766	39.24859169090901	-00.9462787	332053.161736236	346167.7788234	311.8480919375043	2952.4632899571625	2906.7172512201324	78.2831521544483	68.7820181140397
501	110	81161	-40941.14133	864337.3170250766	39.248594512819885	-00.9439892	332254.15258941056	346160.7652687	311.8480919375043	2952.4632899571625	2906.7172512201324	78.2831521544483	68.7820181140397
502	110	81162	-40281.14133	864337.3170250766	39.24859721575215	-00.9416197	332455.194341617	346160.7652687	311.8480919375043	2952.4632899571625	2906.7172512201324	78.2831521544483	68.7820181140397
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505	110	81165	-38301.14133	864337.3170250766	39.24860317855905	-00.9346311	333058.30127719566	346148.743	310.860890485434	2950.355590521244	2906.328071874993	78.2831521544483	68.7820181140397
506	110	81166	-37641.14133	864337.3170250766	39.2486076652240	-00.9323216	333259.3485175352	346146.736712635	310.860890485434	2950.355590521244	2906.328071874993	78.2831521544483	68.7820181140397
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521	110	81181	-27741.14133	864337.3170250766	39.24864133849348	-00.8973589	336274.90365959785	346084.47658472159	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
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525	110	81185	-25101.14133	864337.3170250766	39.24864854377629	-00.8884008	337079.0543565982	346068.65002402	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
526	110	81186	-24441.14133	864337.3170250766	39.24865025204603	-00.8857113	337280.8602193554	346064.47725304	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
527	110	81187	-23781.14133	864337.3170250766	39.2486521450403	-00.8834008	337481.8654871	346060.65291213	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
528	110	81188	-23121.14133	864337.3170250766	39.24865375527049	-00.8810522	337682.150711481	346056.42371965	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
529	110	81189	-22461.14133	864337.3170250766	39.24865550197984	-00.8787227	337883.184927435	346052.641907506	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
530	110	81190	-21801.14133	864337.3170250766	39.2486573945857	-00.8763932	338084.2193797793	346048.63203039	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
531	110	81191	-21141.14133	864337.3170250766	39.24865910779213	-00.8740637	338285.25367383	346044.63639362	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
532	110	81192	-20481.14133	864337.3170250766	39.2486594206373	-00.8717342	338486.2878114656	346040.63	309.9204941944	2945.76978338054	2888.83562320811	78.2831521544483	68.7820181140397
533	110	81193	-19821.14133	864337.3170250766	39.24866078448686	-00.869406	338687.3218	346036.63326529	309.9204941944	2945.76978338			

ix	iy	x	Y.F	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRIElevLogKrg	BRIElevBothKrg	SatHLogKrg	SatHBoth	
611	110	81271	31685.8586730335	864337.3170250766	39.48462932	-00.6877021	53467.5045149138	43457.25.08573162	259.05444272317334	274.059157281705357	274.2779622211336	274.278639616348596	64.1350959919569	64.0517665367605
612	110	81272	31318.8586730335	864337.3170250766	39.48462713811977	-00.6873735	53458.5267310144	43457.21.09873647	294.947596789055	273.9452917672713	273.9451959641138	65.44546142016533	65.44546142016533	64.04300403813
613	110	81273	36938.8586730335	864337.3170250766	39.48462891221056	-00.688043	53479.54877017124	43457.17.11892416	293.4247034677	293.2345817486747	273.7277965041783	64.98526236858025	64.98526236858025	64.28179209319
614	110	81274	33638.8586730335	864337.3170250766	39.48462641305396	-00.6807135	53450.750685806	43457.13.12581361	293.85502409699	280.025675928484	273.788343181907	67.36736786	63.14183410037124	63.4575811446434
615	110	81275	34298.8586730335	864337.3170250766	39.48462032540284	-00.678384	53517.159246247157	43457.19.13863172	292.746048363556	279.8384535919104	273.8.37433980148	70.38430693560704	60.46403179042656	60.533795938395
616	110	81276	34958.8586730335	864337.3170250766	39.48461796450343	-00.6760545	535372.6141	43457.05.12727846	290.23278767943466	278.875215956841	273.9118615341365	67.3543542270474	57.02083657916145	57.02083657916145
617	110	81277	35618.8586730335	864337.3170250766	39.48461555860712	-00.673725	535573.6359359149	43457.01.16667538	291.015267102038	279.436454513589	273.93573515039796	71.261178137818	55.39910549740225	53.783178726706
618	110	81278	36618.8586730335	864337.3170250766	39.48461310771392	-00.6713955	53574.6568489563	4345697.181	290.762651722039	279.436454513589	273.93573515039796	71.261178137818	55.39910549740225	53.783178726706
619	110	81279	36938.8586730335	864337.3170250766	39.48461061823864	-00.669689	53575.6781671516	4345693.18118827	290.762651722039	279.436454513589	273.93573515039796	71.261178137818	55.39910549740225	53.783178726706
620	110	81280	37598.8586730335	864337.3170250766	39.48460870592925	-00.6657284	53576.6992410306	4345699.20561497	279.273440531447	279.273440531447	274.055117522414	72.042148337167	49.8122134315393	49.4505601629656
621	110	81281	38258.8586730335	864337.3170250766	39.484605805311	-00.6644089	53637.7201780086	4345685.22493782	291.08700443658	278.7438064146574	274.072629732617	73.98572026049	64.17403453139561	48.42243357400856
622	110	81282	38918.8586730335	864337.3170250766	39.48460285417245	-00.6620774	53657.7400758146	4345681.23915425	291.849265798247	278.5626249371584	274.07404869751	73.98572026049	64.17403453139561	48.42243357400856
623	110	81283	39578.8586730335	864337.3170250766	39.4846017829493	-00.6597479	53679.7616348526	4345679.25419986	291.849265798247	278.5626249371584	274.07404869751	73.98572026049	64.17403453139561	48.42243357400856
624	110	81284	40238.8586730335	864337.3170250766	39.484597457420544	-00.6574184	53690.7821551441	4345673.29427095	290.9343215104183	278.07503503714	274.04837416598566	73.98572026049	64.17403453139561	48.42243357400856
625	110	81285	40998.8586730335	864337.3170250766	39.484594891549514	-00.6550888	53711.8025394253	4345669.26847103	290.27404023037	273.77400143371	273.945033068584	73.98572026049	64.17403453139561	48.42243357400856
626	110	81286	41558.8586730335	864337.3170250766	39.4845918908124	-00.6527593	53732.82229	4345665.30429884	290.477675562005	277.8.08733124146	273.8272754319979	73.98572026049	64.17403453139561	48.42243357400856
627	110	81287	42218.8586730335	864337.3170250766	39.484589024816326	-00.6504298	53753.882889674	4345661.31205427	290.835651356712	277.8.08733124146	273.8272754319979	73.98572026049	64.17403453139561	48.42243357400856
628	110	81288	42788.8586730335	864337.3170250766	39.48458612395459	-00.6481033	537784.862534622	4345657.33217325	290.835651356712	277.8.08733124146	273.8272754319979	73.98572026049	64.17403453139561	48.42243357400856
629	110	81289	43538.8586730335	864337.3170250766	39.48458318	-00.6457708	537985.882633584	4345653.34820658	290.365142557575	277.8.08733124146	273.8272754319979	73.98572026049	64.17403453139561	48.42243357400856
630	110	81290	44198.8586730335	864337.3170250766	39.484581782739156	-00.6434413	53818.962047572097	4345649.34636768	290.365142557575	277.8.08733124146	273.8272754319979	73.98572026049	64.17403453139561	48.42243357400856
631	110	81291	44858.8586730335	864337.3170250766	39.48457751336992	-00.6411118	53838.9220304949	4345645.38113074	290.7947961834045	277.399167163101	273.8691762601739	73.98572026049	64.17403453139561	48.42243357400856
632	110	81292	45518.8586730335	864337.3170250766	39.484574053789	-00.6387822	53858.914410491505	4345641.39722035	290.2677599502695	276.83350438173	273.7374031790778	73.98572026049	64.17403453139561	48.42243357400856
633	110	81293	46178.8586730335	864337.3170250766	39.48457061823864	-00.6364921	53879.9614846297	4345637.41962281	290.2677599502695	276.83350438173	273.7374031790778	73.98572026049	64.17403453139561	48.42243357400856
634	110	81294	46838.8586730335	864337.3170250766	39.48456773749416	-00.6341232	53899.9798749133	4345633.41748875	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
635	110	81295	47498.8586730335	864337.3170250766	39.4845645801001	-00.6317937	53919.998831013	4345629.88948071	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
636	110	81296	48158.8586730335	864337.3170250766	39.48456129717378	-00.6294642	53939.917755035	4345625.46406215	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
637	110	81297	48818.8586730335	864337.3170250766	39.484557981340796	-00.6271347	53959.03649097594	4345621.448008911	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
638	110	81298	49478.8586730335	864337.3170250766	39.48455440511024	-00.6248052	53979.0550910714	4345617.01794267	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
639	110	81299	50138.8586730335	864337.3170250766	39.48455124	-00.6224616	53999.075555467	4345613.19762281	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
640	110	81300	50798.8586730335	864337.3170250766	39.4845477019846074	-00.6201481	54019.0719846074	4345609.53344345	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
641	110	81301	51458.8586730335	864337.3170250766	39.48454431804119	-00.6178166	54039.0630111	4345605.56240248	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
642	110	81302	52118.8586730335	864337.3170250766	39.48454071	-00.6154871	54059.1281372995	4345601.574762181	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
643	110	81303	52778.8586730335	864337.3170250766	39.48453721141086	-00.6131576	54080.16604133546	4345597.59340738	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
644	110	81304	53438.8586730335	864337.3170250766	39.4845339	-00.6108281	54101.1638077673	4345593.62121908	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
645	110	81305	54098.8586730335	864337.3170250766	39.48453024793615	-00.6084986	54122.0181055622	4345589.63140583	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
646	110	81306	54758.8586730335	864337.3170250766	39.48452681	-00.6061691	54143.1902068585	4345585.5062053	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
647	110	81307	55418.8586730335	864337.3170250766	39.48452246	-00.6038395	54164.2164135674	4345581.670081013	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
648	110	81308	56078.8586730335	864337.3170250766	39.4845185739237	-00.60151	54185.233666666	4345577.68992548	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
649	110	81309	56738.8586730335	864337.3170250766	39.48451481159854	-00.5991805	54206.2507861926	4345573.79046654	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
650	110	81310	57398.8586730335	864337.3170250766	39.4845109208002	-00.596851	54227.2677232158	4345569.72963319	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
651	110	81311	58058.8586730335	864337.3170250766	39.484507580520265	-00.5945215	54248.268453426	4345565.79425238	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
652	110	81312	58718.8586730335	864337.3170250766	39.48450340242697	-00.5921912	54269.3013457385	4345561.76994402	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
653	110	81313	59378.8586730335	864337.3170250766	39.48449914	-00.5898634	54290.3343873879	4345553.81195415	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400856
654	110	81314	60038.8586730335	864337.3170250766	39.4844951	-00.5875313	54311.3343873879	4345549.81195415	289.80094899712693	276.5762740519128	273.654576769567	73.98572026049	64.17403453139561	48.42243357400

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	Topo30mKgr.ft	SurfBoth.ft
737	110	81397	114818.85867307335	864337.3170250766	39.24800018	-100.3941849	379695.2584784446	435224.1251650374	2765.7985307303316	2522.153383111761	2552.059355503829	2552.623161015706	70.1032760793184	69.5303671019028
738	110	81398	114818.85867307335	864337.3170250766	39.24799225257646	-100.3918554	379896.26459272565	435220.21267406	2766.337126583964	2547.454332476203	2550.124199340914	73.373711617937	70.7038429171375	69.74137417445
739	110	81399	114818.85867307335	864337.3170250766	39.24798423819844	-100.390826	380097.2704698558	435216.327456202	2766.43368307074	2519.8448137681718	2548.162328176989	74.33235759126387	74.33235759126387	69.8005785967398
740	110	81400	116798.85867307335	864337.3170250766	39.24707648936772	-100.3871965	380298.276287033	435412.7721404667	2764.12721404667	2618.153258788772	2548.04233367183	70.109325306926	69.3372819417628	69.3372819417628
1	111	81401	-370941.1413	864997.3170250766	39.2433713973657	-102.1086573	321714.0155916382	438338.9230895197	4044.279442318858	3822.524282	3734.1940569706744	3733.10121083297	88.3302246560656	89.5147078928287
2	111	81402	-370241.1413	864997.3170250766	39.2434112405125085	-102.1063282	321915.1617597957	438338.73	4041.50417551794	3820.99075956621	3730.1714005157198	73.92523425305792	90.18675799422654	91.45783260528355
3	111	81403	-369621.1413	864997.3170250766	39.243437625528856	-102.1039991	321116.30766194809	438338.6249728106	4038.261099383883	3819.441886806705	3727.8395456711282	3737.8994460170626	91.602241319824231	93.93498978610891
4	111	81404	-368961.1413	864997.3170250766	39.243437609004784	-102.1016699	322317.45329830014	438338.53	4041.50417551794	3817.879587663758	3727.8395456711282	3737.8994460170626	91.602241319824231	93.93498978610891
5	111	81405	-368301.1413	864997.3170250766	39.243437618198195	-102.0993406	322518.598698558	438338.430111985	4038.261099383883	3819.441886806705	3727.8395456711282	3737.8994460170626	91.602241319824231	93.93498978610891
6	111	81406	-367641.1413	864997.3170250766	39.243431301831265	-102.0970117	322719.7437742453	438338.320585487	4038.261099383883	3819.441886806705	3727.8395456711282	3737.8994460170626	91.602241319824231	93.93498978610891
7	111	81407	-366981.1413	864997.3170250766	39.24353806	-102.0948285	322920.88861461077	438338.231264724	4024.6025694571	3813.10365539719	3718.94155543119	71.8143848038304	94.590081661185	94.6648159
8	111	81408	-366321.1413	864997.3170250766	39.2435630777495	-102.0923534	323122.0318918623	438338.132095671	4023.33248410659	3811.480466306675	3717.176888326534	71.67580080214175	94.30177799	94.7224853
9	111	81409	-365661.1413	864997.3170250766	39.24356822369274	-102.0900243	323323.1775002482	438338.03132323	4022.04568934639	3809.840575291672	3715.6812559797877	71.5902309265769	94.15981391	94.44497232590311
10	111	81410	-365001.1413	864997.3170250766	39.243611290877851	-102.0878951	323524.3215	438338.934356672	4020.758482549828	3808.1843925115018	3714.4269565310395	71.4067460174829	93.7573598049244	93.1667523700498
11	111	81411	-364341.1413	864997.3170250766	39.24363776930254	-102.085366	323725.46532761393	438338.835789712	4019.407129605013	3806.51694716302	3713.1679539439378	70.4719294488126	93.761262549041	93.761262549041
12	111	81412	-363681.1413	864997.3170250766	39.243652548416116	-102.0830028	323926.0088409569	438337.737384149	4017.991198457985	3804.820882033147	3711.877056725735	71.403882505352	92.9431815307149	93.147049796251
13	111	81413	-363021.1413	864997.3170250766	39.2436535395345	-102.0807707	324127.7520983457	438338.493155841	4016.57840053368	3803.114846	3710.510167392215	70.939700471118	92.640881181837	93.2073548886384
14	111	81414	-362361.1413	864997.3170250766	39.24371120806383	-102.0783785	324328.8950879382	438338.451130917	4015.16115527389	3801.31225253875	3709.20202500684	70.68171120456193	92.8119973190682	92.774112025559
15	111	81415	-361701.1413	864997.3170250766	39.2437361547005	-102.0760494	324530.03871409725	438338.43293956	4012.105859289037	3799.6470588773107	3707.8389866826283	70.07223354	91.808622948264	92.1438545594064
16	111	81416	-361041.1413	864997.3170250766	39.24376139714482	-102.0737202	324731.1870764673	438338.345640052	4011.05191978927	3797.816835699154	3706.5283121248185	70.570579519406945	91.905146720287	91.905146720287
17	111	81417	-360381.1413	864997.3170250766	39.24378597752525	-102.0713911	324932.3215	438338.2748182102	4010.715326540513	3796.4123520139047	3705.016038841843	70.4719294488126	93.181846672035	93.181846672035
18	111	81418	-359721.1413	864997.3170250766	39.2438105	-102.0690919	325133.4644132118	438338.2150097794	3998.020573351694	3794.2891035077024	3703.684276522063	70.373479294488126	93.9018162515699	93.9018162515699
19	111	81419	-359061.1413	864997.3170250766	39.243836830035194	-102.0664038	325354.459525837	438338.163281123	3988.24693187452	3792.44278632752	3702.44278632752	70.373479294488126	93.9018162515699	93.9018162515699
20	111	81420	-358401.1413	864997.3170250766	39.24385948951804	-102.0644038	325555.7474968026	438338.156622089	3980.9352592106	3790.574028846317	3701.056053381628	70.373479294488126	93.9018162515699	93.9018162515699
21	111	81421	-357741.1413	864997.3170250766	39.24388390035194	-102.0620745	325736.8886748412	438338.120619518	3988.24693187452	3790.574028846317	3701.056053381628	70.373479294488126	93.9018162515699	93.9018162515699
22	111	81422	-357081.1413	864997.3170250766	39.24390826036634	-102.0597453	325938.0295349076	438338.763688086	3986.65899704867	3786.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
23	111	81423	-356421.1413	864997.3170250766	39.2439325867356	-102.0574162	326139.1701607355	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
24	111	81424	-355761.1413	864997.3170250766	39.24395686244895	-102.055087	326340.316253445	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
25	111	81425	-355101.1413	864997.3170250766	39.2439819831766	-102.0527578	326541.459525837	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
26	111	81426	-354441.1413	864997.3170250766	39.2440057891817	-102.0504372	326742.590252468	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
27	111	81427	-353781.1413	864997.3170250766	39.244031941967403	-102.0480995	326943.703045484	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
28	111	81428	-353121.1413	864997.3170250766	39.2440531544394	-102.0457703	327144.86903645813	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
29	111	81429	-352461.1413	864997.3170250766	39.244077566229715	-102.0434412	327346.004228177	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
30	111	81430	-351801.1413	864997.3170250766	39.2441015702591	-102.0411112	327547.1472203044	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
31	111	81431	-351141.1413	864997.3170250766	39.24412552849738	-102.0387628	327748.2895	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
32	111	81432	-350481.1413	864997.3170250766	39.2441494486751	-102.0364537	327944.4811198415	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
33	111	81433	-349821.1413	864997.3170250766	39.2441731951521	-102.0341245	328156.021524383	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
34	111	81434	-349161.1413	864997.3170250766	39.244197143368905	-102.0317953	328351.69991026778	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
35	111	81435	-348501.1413	864997.3170250766	39.2442209526396	-102.0294661	328552.834086611	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
36	111	81436	-347841.1413	864997.3170250766	39.244244662116955	-102.027137	328753.97464782558	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
37	111	81437	-347181.1413	864997.3170250766	39.24426883303116	-102.0248078	328955.116276993	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
38	111	81438	-346521.1413	864997.3170250766	39.2442919891995	-102.0224786	329156.2485248938	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
39	111	81439	-345861.1413	864997.3170250766	39.24432391766	-102.0201722	329357.395126254	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
40	111	81440	-345201.1413	864997.3170250766	39.24435696272625	-102.015491	329559.656623886	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843741
41	111	81441	-344541.1413	864997.3170250766	39.24438621368899	-102.0131618	329760.356048684	438338.763688086	3984.964873085627	3784.75674304894	3698.386522	3699.72125780205	88.3702215892246	87.035484843

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBthKgr.ft	SatHtElevKgr.ft	SatHtBthKgr.ft
121	111	81523	-290421.1413	864997.3170250766	39.24613747143654	-101.8244929	256251.94563730797	374.47893.98005053	3742.558331376427	3577.6035077750216	3541.960520019872	3536.800456495966	36.42687755149534	41.5231430900605
124	111	81524	-289741.1413	864997.3170250766	39.24615724835922	-101.8221136	256453.060668136	374.47893.98005053	3740.427449840681	3575.862951	3539.604506094714	3538.475815212629	36.37636915202566	37.50443539173784
125	111	81525	-289191.1413	864997.3170250766	39.24617384091954	-101.8198343	256654.173890045	374.47893.98005053	3738.2891636916894	3574.244843120415	3534.911607833274	3530.213678375176	40.091769082277	35.31171605824944
126	111	81526	-288441.1413	864997.3170250766	39.2461196657	-101.817505	256855.29000711578	374.47891.748	3740.47868939303	3573.304481296435	3525.9551574414395	3534.7586619177564	36.35892835499555	29.5381037367901
127	111	81527	-287714.1413	864997.3170250766	39.2462163091874	-101.8151757	257056.00511567754	374.47877.671437616	3737.0157421342597	3572.31422861492	3571.5009492425244	3544.2475702268407	34.817336360786	28.06655263465109
128	111	81528	-287121.1413	864997.3170250766	39.24623630915014	-101.8128464	257257.5194	374.47873.594726984	3768.87340946681	3571.3868768041134	3508.316079370833	35.1816557012462627	63.07073743280474	52.00417175578075
129	111	81529	-286461.1413	864997.3170250766	39.24625455812275	-101.8105171	257458.6331196644	374.47873.594726984	3764.7295205656904	3570.6142546565904	3501.1359527027384	3481.4025041165764	36.7567116835011	89.901125001301
130	111	81530	-285801.1413	864997.3170250766	39.24627495510523	-101.8081877	257659.4742010633	374.47865.41974102	3760.598418020937	3569.614304755113	3495.11598333601	3443.2611258228927	74.4983197441009	126.3531702211904
131	111	81531	-285141.1413	864997.3170250766	39.24629442097955	-101.8058584	257860.807485133	374.47851.31860016	3759.1463425989026	3568.2393109511958	3490.63102487952	3402.551609683584	78.911948526596	165.171048526596
132	111	81532	-284481.1413	864997.3170250766	39.24631384409965	-101.8035291	258051.9740572814	374.47857.289022796	3754.403300899156	3567.9322656051	3485.078544	3431.13046951744	82.78478271	159.73202119611555
133	111	81533	-283821.1413	864997.3170250766	39.24633321611156	-101.801198	258263.80712656944	374.47842.21192435	3757.67225878128	3566.98383018829	3479.8457405955585	3370.50411888958	87.1380920872657	196.4437112696055
134	111	81534	-283161.1413	864997.3170250766	39.24635254313318	-101.7989705	258464.19995741596	374.47849.138638924	3748.935216693741	3566.09715986795	3474.8422413188197	3478.732415100501	91.2552758	176.4504088817856
135	111	81535	-282501.1413	864997.3170250766	39.24637182516448	-101.7965412	258655.123589587	374.47846.980674662	3565.20163073505	3471.258626763849	3383.5020759788383	3432.94276395553	181.695207946688	178.7682408902927
136	111	81536	-281841.1413	864997.3170250766	39.2464032020543	-101.7942119	258866.42490179206	374.47840.98002425	3744.2162090034	3564.2920478031247	3466.112110070657	3461.227907400417	98.1807371605896	178.7682408902927
137	111	81537	-281181.1413	864997.3170250766	39.2464102425501	-101.7918225	259067.53701813098	374.47839.31099424	3741.9525477384416	3563.29025554702	3459.78735489048	3385.085249367737	107.1792394666544	178.781958569694
138	111	81538	-280521.1413	864997.3170250766	39.24642940131619	-101.7895532	259268.5489217564	374.47832.83203248	3739.74889571327	3562.431215732906	3457.7941251175425	3402.94026726885	104.6370902552635	159.4995260412105
139	111	81539	-279861.1413	864997.3170250766	39.24644580338589	-101.7872239	259469.76053013225	374.47828.76373884	3737.958018713863	3561.474993	3456.36896463649	3420.94632300037	105.1002665499127	150.42568697358634
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141	111	81541	-278541.1413	864997.3170250766	39.24648657255382	-101.7825653	259871.9830926016	374.47820.614995578	3735.2657347025242	3559.5049107435625	3457.2380638093255	3451.3266580391	102.26684930243704	180.17825270473334
142	111	81542	-277881.1413	864997.3170250766	39.24650533651956	-101.7802359	260073.0940175219	374.47816.42635022	3733.9192591667342	3558.9859247616	3458.1927488374076	3467.40724719109	96.2965041020821	91.7052352260608
143	111	81543	-277221.1413	864997.3170250766	39.24652444175948	-101.7779066	260274.20470517647	374.47814.67406448	3732.513281983937	3557.453781457835	3461.773907273585	3484.231160402645	96.6987418424991	73.22262106
144	111	81544	-276561.1413	864997.3170250766	39.24654333876364	-101.7755773	260475.151557675	374.47808.93279508	3731.047842	3556.396968232617	3464.327098510573	3467.39417314587	92.679993510442	89.00262035174945
145	111	81545	-275901.1413	864997.3170250766	39.24656224196838	-101.7732927	260686.2586139652	374.47803.61800716	3729.889037582926	3555.218955144328	3463.6442505287	3444.49313035287	73.70121195301	42.87752524
146	111	81546	-275241.1413	864997.3170250766	39.24658095813814	-101.7709186	260877.5335455544	374.47800.25643897	3728.11695135077	3554.21820770515	3468.2091547342365	3473.405375912314	80.0090524075552	80.1823661396371
147	111	81547	-274581.1413	864997.3170250766	39.2465997028292	-101.7685893	261078.6450872215	374.47796.17653491	3726.7944363678225	3553.09527074822	3470.43157870611	3480.66827033840	62.6362789	72.42838073908164
148	111	81548	-273921.1413	864997.3170250766	39.246618397436926	-101.76626	261279.75491561613	374.47792.10005517	3725.613536033086	3551.94955565766	3472.4225476355628	3486.5713480542863	75.50720892	65.378205205356
149	111	81549	-273261.1413	864997.3170250766	39.2466374960016	-101.7639306	261486.8385997402	374.47788.02775365	3724.43306593079	3550.78096587568	3473.275695996765	3489.62408189977	75.50720892	61.15683894748031
150	111	81550	-272601.1413	864997.3170250766	39.2466556677251	-101.7616103	261681.9728924994	374.47783.95180177	3723.252956355172	3549.58926013728	3474.97349060376	3481.0140483336174	74.61589107406299	51.573211010295614
151	111	81551	-271941.1413	864997.3170250766	39.24667421959768	-101.759272	261883.9619839652	374.47778.1319151	3721.889037582926	3548.374123181352	3476.83962879862	3475.0742291096	73.70121195301	42.87752524
152	111	81552	-271281.1413	864997.3170250766	39.24669273814524	-101.7569248	262084.1902507879	374.47775.81861977	3720.36937197133	3547.13629703516	3476.677304450286	3507.84512406652	73.70121195301	39.209110296962
153	111	81553	-270621.1413	864997.3170250766	39.24671120344124	-101.7546133	262285.29857714224	374.47773.76138448	3718.847072960397	3545.875256434564	3477.53837324133	3468.760475004595	63.3688319143312	56.9074519335146
154	111	81554	-269961.1413	864997.3170250766	39.24673629355275	-101.752284	262486.406683957	374.47767.6667613	3717.312054707077	3544.831693992086	3477.803286649578	3469.702074967805	66.7888437323317	74.8884374323317
155	111	81555	-269301.1413	864997.3170250766	39.24674801777036	-101.7499546	262687.515424829	374.47763.59512389	3715.6739861150993	3543.754840490704	3478.544787733719	3468.726227512016	64.7347190725115	94.55827212985429
156	111	81556	-268641.1413	864997.3170250766	39.2467663499668	-101.7476253	262888.6214669945	374.47759.523700565	3714.565094894318	3541.95408944318	3477.1658521260945	3434.651829624516	64.7892681822345	107.290653286248
157	111	81557	-267981.1413	864997.3170250766	39.24678464722281	-101.7452929	263088.7255414195	374.47755.46267635	3713.179052048785	3540.680250527294	3473.152544730207	3471.6212694010905	104.35606579708722	93.8427469371748
158	111	81558	-267321.1413	864997.3170250766	39.2468028414762	-101.742937	263290.829614039	374.47751.381151	3712.223494117516	3539.25426173682	3474.641321811352	3444.49313035287	73.70121195301	42.87752524
159	111	81559	-266661.1413	864997.3170250766	39.24682109672881	-101.7406733	263491.936968625	374.47747.01507016	3711.03840325744	3537.84570836361	3474.675702143552	3454.04540880107	63.3688319143312	56.9074519335146
160	111	81560	-266001.1413	864997.3170250766	39.24683925400777	-101.7383079	263693.05039214704	374.47743.24	3710.7995767563043	3536.43179373285	3472.89733689515	3455.347412	63.33962451013564	81.0897573527843
161	111	81561	-265341.1413	864997.3170250766	39.24685736627148	-101.7359786	263894.156840977	374.47739.16295098	3710.56075231883578	3534.70218835738	3471.20177953496	3464.843270777835	64.682503440786	70.16922410543884
162	111	81562	-264681.1413	864997.3170250766	39.24687543355093	-101.7336492	264095.2603626251	374.47735.08971351	3710.3219237638257	3533.578193872567	3468.700917889708	3464.8270183708203	64.672091485485	68.7460093020363
163	111	81563	-264021.1413	864997.3170250766	39.2468934583908	-101.7313199	264296.3690480154	374.47731.0833436	3709.418402429456	3532.1243161681705	3465.363473305093	3459.82468	66.7602948316423	72.1281684894036
164	111	81564	-263361.1413	864997.3170250766	39.24691143313591	-101.7289105	264497.474800477	374.47726.59	3708.781932550765	3530.660819967615	3461.85051151274	3456.82043043584	68.1786654907	73.8427469371748
165	111	81565	-262701.1413	864997.3170250766	39.2469296134916	-101.726572	264698.580297439	374.47722.734011916	3707.652394117516	3529.426394117516	3460.7340117516	3455.347412	63.33962451013564	81.0897573527843
166	111	81566	-262041.1413	864997.3170250766	39.24694725	-101.724318	264899.658072542	374.47718.11953943	3706.70570620828	3527.766075312194	3454.04540880107	3453.8183443221	73.7012467111062	73.8427469371748
1														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThcLogs.ft	SatThcBoth.ft
248	111	81649	-207261.1413	864997.3170250766	39.24827505664178	-115.030919	281590.634272259	4347381.69441617	3557.1519688404383	3414.427811225745	3435.1409358475003	3453.055185474368	0	0
250	111	81650	-206601.1413	864997.3170250766	39.248269164565676	-115.028625	281791.7207226383	4347360.704488855	3558.6004900714672	3413.42339535474	3428.862196956930	3450.29122950457	0	0
251	111	81651	-206181.1413	864997.3170250766	39.248302724691674	-115.026333	281962.80692919185	4347373.58671411	3558.20266703066	3411.81254081778	3423.178321242873	3448.312881799997	0	0
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257	111	81657	-201981.1413	864997.3170250766	39.248386660117146	-115.0123564	283199.2010877595	4347349.368203706	3558.959778189973	3402.569758108155	3401.4228511578332	3413.382486493657	1.132486493657	0
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263	111	81663	-198021.1413	864997.3170250766	39.248468913114904	-114.998379	284405.8255322425	4347324.17785645035	3547.1477859643817	3391.1879630810733	3383.7624859878005	3392.167998014703	7.40517460164289	0
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHgtKgr.ft	SatHtBoth.ft
375	111	81775	-124101.1413	864997.3170250766	39.24968931969548	-101.2374766	306825.9044271535	3448782.361858121	3297.062375927893	3110.499751453734	3119.807310506663	50.69273294707725	50.535350349540136
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380	111	81780	-120801.1413	864997.3170250766	39.249740062236334	-101.225829	307931.207515676	3448682.210956338	3297.4641971508934	3162.52504183066	3116.82675954954	31.17407622811203	43.7860350237046
381	111	81781	-120141.1413	864997.3170250766	39.24974827575115	-101.2234995	308132.26756718033	3448684.181328029	3298.061137105062	3160.9317105062	3115.566668698385	31.18367934081413	45.1966643786794
382	111	81782	-119481.1413	864997.3170250766	39.24975644427194	-101.2211699	308332.324304272	3448688.115827815	3298.658024502307	3158.941090059895	3114.164461203827	31.172444894843	44.2396910303264
383	111	81783	-118821.1413	864997.3170250766	39.249764567795655	-101.218644	308534.38710296654	3448690.123	3298.708619530791	3157.405158140254	3114.0914936813958	31.1711738988514	44.1496932685957
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387	111	81787	-116181.1413	864997.3170250766	39.24979661192426	-101.2095223	309338.6239	3448690.4074587	3285.77819456142	3148.942339408425	3110.5692484633347	31.13136110812776	42.3493476
388	111	81788	-115521.1413	864997.3170250766	39.24980451046428	-101.2071927	309539.6826601286	3448691.91912687	3286.40139076617	3146.7994402995405	3110.947270171945736	31.12247172254024	41.806731049665
389	111	81789	-114861.1413	864997.3170250766	39.24981236407049	-101.2048632	309733.7412195083	3448695.9580882	3287.030960776506	3144.50435707957	3103.34451280768	31.11242255124255	41.2593427
390	111	81790	-114201.1413	864997.3170250766	39.2498201	-101.2025337	309941.7996378646	3448691.102301705	3287.646403870533	3142.314003781812	3101.795251355357	31.1164740049413	40.5241523409574
391	111	81791	-113541.1413	864997.3170250766	39.24982795610326	-101.2002041	310102.85776195343	3448697.89523437	3288.615946239458	3140.02939466239	3100.15322699398	31.1180636184435	39.916716805300525
392	111	81792	-112881.1413	864997.3170250766	39.2498365455583	-101.1978746	310343.9157319145	3448693.86752523	3289.932267799955	3137.70345552127	3098.693399	31.10745550884702	36.5932999
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401	111	81801	-106941.1413	864997.3170250766	39.24990306766516	-101.1769897	312153.429330893	3448697.6750266	3296.605740203676	3115.858823451933	3085.575739176816	31.1012442751168	32.5298033685599
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403	111	81803	-105621.1413	864997.3170250766	39.24991758887835	-101.1722497	312565.5414344776	3448695.5976	3289.81594027366	3105.542164446212	3083.3221453809	31.10530283287976	32.5298033685599
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407	111	81807	-102981.1413	864997.3170250766	39.24994603307864	-101.1629315	313359.7634792134	3448694.47598057	3275.1305546519	3100.222191474042	3076.1482265693387	3081.916731933095	20.2739540430044
408	111	81808	-102321.1413	864997.3170250766	39.2499531390828	-101.1606019	313560.818468514	3448693.451334045	3270.70495261612	3097.65979150367	3077.255724949476	3080.17658303218	20.4038540977027
409	111	81809	-101681.1413	864997.3170250766	39.24995985511772	-101.1582724	313761.8733256299	3448693.24885838	3268.27935071675	3095.105353589382	3075.323225914184	31.80287396974585	16.77281267564796
410	111	81810	-101011.1413	864997.3170250766	39.2499669411772	-101.1559429	313962.54014476	3448691.40281142	3267.853746881744	3105.542164446212	3076.70722462402	31.10530283287976	32.5298033685599
411	111	81811	-100341.1413	864997.3170250766	39.24997375712573	-101.1536183	314163.982495291	3448697.75821718	3257.771128145923	3090.027547979035	3074.6456586667	3075.20349382624173	14.970834091871045
412	111	81812	-99681.1413	864997.3170250766	39.249980576338544	-101.1512838	314365.038053902	3448697.334677349	3254.034048420754	3097.5042541808184	3074.01236274037	31.10530283287976	32.5298033685599
413	111	81813	-99021.1413	864997.3170250766	39.24998734995319	-101.1489542	314566.0903343669	3448697.350077333	3250.261155755816	3084.951546353053	3068.808429582004	31.10530283287976	32.5298033685599
414	111	81814	-98361.1413	864997.3170250766	39.24999407857065	-101.1466247	314767.144881367	3448697.307	3246.558182731076	3082.490796936154	3065.83165259599	3065.799907401498	16.690281640016314
415	111	81815	-97701.1413	864997.3170250766	39.2500007219089	-101.1442951	314968.1986474128	3448697.21884	3243.4745510010264	3080.00283618994	3063.2975510242954	31.10530283287976	32.5298033685599
416	111	81816	-97041.1413	864997.3170250766	39.25000740081721	-101.1419656	315168.2593213453	3448697.26091478	3241.044874124326	3077.575331172786	3062.568224133978	31.10530283287976	32.5298033685599
417	111	81817	-96381.1413	864997.3170250766	39.25001461172706	-101.139628	315376.383540404	3448697.334677349	3239.81594027366	3105.542164446212	3063.2975510242954	31.10530283287976	32.5298033685599
418	111	81818	-95721.1413	864997.3170250766	39.25002034037156	-101.1373055	315571.358957774	3448699.21570837	3238.18574271426	3072.620773235896	3063.2975510242954	31.10530283287976	32.5298033685599
419	111	81819	-95061.1413	864997.3170250766	39.25002704670285	-101.1349769	315772.4119996318	3448696.193	3233.57032949758	3070.190052933424	3062.25213569149	31.10530283287976	32.5298033685599
420	111	81820	-94401.1413	864997.3170250766	39.2500350333686	-101.1326474	315973.4646107165	3448696.193	3237.7799647492	3067.74461110014	3046.4022627330055	31.10530283287976	32.5298033685599
421	111	81821	-93741.1413	864997.3170250766	39.2500391897363	-101.1303178	316170.5175421408	3448697.14780984	3227.9826828018	3065.37456492974	3040.871509373067	31.10530283287976	32.5298033685599
422	111	81822	-93081.1413	864997.3170250766	39.25004626761306	-101.1279883	316375.5704032054	3448697.125099824	3222.18739655284	3062.90094	3035.2870896293134	31.10530283287976	32.5298033685599
423	111	81823	-92421.1413										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	WttnLogh.ft	SurfTLogh.ft
501	111	81901	-40941.14133	864997.3170250766	39.250407217805595	-100.4395828	332258.16622437554	3436395.967090522	318.0825848213367	2952.1203297692746	2905.3511358591195	2905.837269983167	46.76919391415504	45.53660277095787
502	111	81902	-40291.14133	864997.3170250766	39.250413659631325	-100.3461322	332459.2505048493	3436361.359704701	310.04757321793307	2951.466247119301	2905.148920526094	2905.530629923368	46.43561716966422	45.93561716966422
503	111	81903	-39621.14133	864997.3170250766	39.25041270467806	-100.3309396	332600.24368132255	3436373.58489132255	310.04757321793307	2951.466247119301	2905.148920526094	2905.530629923368	46.43561716966422	45.93561716966422
504	111	81904	-38961.14133	864997.3170250766	39.25041538928605	-100.3369641	332861.238212861	3436375.955673325	310.04757321793307	2951.466247119301	2905.148920526094	2905.530629923368	46.43561716966422	45.93561716966422
505	111	81905	-38301.14133	864997.3170250766	39.25041802	-100.3364345	333062.32033323969	3436349.939	309.63256527200075	2949.46328177559	2902.5183892047187	2902.1218838930468	46.44438073390433	47.341444284472345
506	111	81906	-37641.14133	864997.3170250766	39.25042061194877	-100.3323049	333263.3584929133	3436349.939	309.63256527200075	2949.46328177559	2902.5183892047187	2902.1218838930468	46.44438073390433	47.341444284472345
507	111	81907	-36981.14133	864997.3170250766	39.25042315783096	-100.3299753	333463.39643788326	3436341.92567017	309.79643589115962	2948.089861127257	2902.832304127257	2902.832304127257	46.44438073390433	47.341444284472345
508	111	81908	-36321.14133	864997.3170250766	39.25042564819434	-100.327458	333664.4342041327	3436337.91771544	308.1493085117562	2947.30051993448	2899.331544048992	2899.331544048992	46.44438073390433	47.341444284472345
509	111	81909	-35661.14133	864997.3170250766	39.25042810467793	-100.3252162	333866.4718	3436333.91771544	307.30425068694	2946.80897834903	2898.40894869764	2898.40894869764	46.44438073390433	47.341444284472345
510	111	81910	-35001.14133	864997.3170250766	39.25042051727299	-100.322866	334067.508299476	3436329.9073822	306.5195321913	2945.96238475005	2897.76254902649	2897.76254902649	46.44438073390433	47.341444284472345
511	111	81911	-34341.14133	864997.3170250766	39.250432881140235	-100.320657	334268.546595474	3436320.0028881	307.663178117655	2945.234027680448	2898.277611387684	2898.277611387684	46.44438073390433	47.341444284472345
512	111	81912	-33681.14133	864997.3170250766	39.25043519996446	-100.318275	334469.5837024035	3436321.8969224	306.76618	2944.49714581957	2898.287578170404	2898.106572829087	46.20943641158374	45.3904174258882
513	111	81913	-33021.14133	864997.3170250766	39.25043717383062	-100.315979	334670.6207	3436318.9592496	306.8917382799584	2943.751800328624	2897.587721684466	2897.587721684466	46.16618685815005	45.36404154396079
514	111	81914	-32361.14133	864997.3170250766	39.2504397027876	-100.3136683	334871.65155468	3436313.88641696	301.97215068014	2942.9984633983128	2897.091305709952	2897.091305709952	45.90742889131752	45.64402823525406
515	111	81915	-31701.14133	864997.3170250766	39.2504418662884	-100.3113387	335027.69417043	3436309.882	300.714771377707	2942.2964111978136	2886.675372517417	2886.597119603365	45.6329133996032	45.3629133996032
516	111	81916	-31041.14133	864997.3170250766	39.25044402339085	-100.309092	335273.7307	3436305.97682831	300.098152447	2941.465251800291	2886.219271703813	2886.219271703813	45.245330047898	45.1219383
517	111	81917	-30381.14133	864997.3170250766	39.25044611923484	-100.3067698	335474.766872296	3436301.87289754	298.478823719249	2940.68400147483	2885.830544160529	2885.903120611285	45.834569142335	45.71308807136181
518	111	81918	-29721.14133	864997.3170250766	39.25044816809078	-100.30435	335675.801563364	3436297.816	298.8067802339995	2939.892517468826	2884.666032	2884.666032	45.2261927137275	45.2196017137275
519	111	81919	-29061.14133	864997.3170250766	39.25045017	-100.3020204	335876.8391658677	3436293.86371264	298.71422212173	2939.01826034885	2883.738148629518	2883.740002841767	45.353674096708	45.3518271773685
520	111	81920	-28401.14133	864997.3170250766	39.25045213080405	-100.2999699	336077.8750150965	3436289.268689747	288.2921375203484	2938.280686897467	2882.921375203484	2882.94436334054	45.36123446615005	45.373728414263
521	111	81921	-27741.14133	864997.3170250766	39.25045404	-100.2978761	336278.910704599	3436285.8598272	292.0820990125025	2937.4698013025	2882.10816406007	2882.18243665373	45.3589816	45.28447147629186
522	111	81922	-27081.14133	864997.3170250766	39.2504559353372	-100.2950137	336479.945244515	3436281.5247365	307.5175901259836	2936.48117628491	2881.232357301	2881.3614032894	45.354484581605	45.3114743455978
523	111	81923	-26421.14133	864997.3170250766	39.250457829676	-100.2921921	336680.9816047803	3436277.84887013	306.72259682682	2935.24452694275	2880.330131941172	2880.330131941172	45.35290716863692	45.3142770102034
524	111	81924	-25761.14133	864997.3170250766	39.2504595162677	-100.2893728	336882.0168162416	3436273.8455679	307.46447985604	2935.02074159187	2879.178256716875	2879.178256716875	45.8429474137122	45.70538954
525	111	81925	-25101.14133	864997.3170250766	39.250461250136155	-100.2880043	337083.0516887487	3436269.48258813	304.2239791801217	2877.982658860513	2878.313249239652	2878.313249239652	45.8429474137122	45.70538954
526	111	81926	-24441.14133	864997.3170250766	39.25046293007456	-100.2857134	337284.086724063	3436265.9370155	301.711867569118	2934.46645951537	2876.738292675027	2876.738292675027	45.8429474137122	45.70538954
527	111	81927	-23781.14133	864997.3170250766	39.2504648288067	-100.2833838	337485.1249751186	3436261.83701612	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
528	111	81928	-23121.14133	864997.3170250766	39.2504667117577	-100.2810343	337686.1560742778	3436257.83449838	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
529	111	81929	-22461.14133	864997.3170250766	39.25046867356237	-100.2787847	337887.190429626	3436253.8399794	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
530	111	81930	-21801.14133	864997.3170250766	39.2504705441171	-100.2764902	338088.2271360223	3436249.8399794	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
531	111	81931	-21141.14133	864997.3170250766	39.25047240383522	-100.2742055	338289.258856582	3436245.83034305	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
532	111	81932	-20481.14133	864997.3170250766	39.25047432772252	-100.2719735	338490.2980214027	3436241.826	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
533	111	81933	-19821.14133	864997.3170250766	39.25047623101581	-100.2697406	338691.326901373	3436237.842652014	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
534	111	81934	-19161.14133	864997.3170250766	39.25047813	-100.2675078	338892.3602111516	3436233.83236847	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
535	111	81935	-18501.14133	864997.3170250766	39.25047911393847	-100.2652742	339093.3939525434	3436229.02500527	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
536	111	81936	-17841.14133	864997.3170250766	39.250480109676	-100.2629476	339294.4212653248	3436225.02689849	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
537	111	81937	-17181.14133	864997.3170250766	39.25048110541776	-100.2606881	339495.4671355693	3436221.82	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
538	111	81938	-16521.14133	864997.3170250766	39.250482109676	-100.2584285	339696.4917816354	3436217.81944704	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
539	111	81939	-15861.14133	864997.3170250766	39.250483109676	-100.2561828	339897.526068219	3436213.8187964	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
540	111	81940	-15201.14133	864997.3170250766	39.25048418804740	-100.2539393	340098.5871913417	3436209.81604597	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
541	111	81941	-14541.14133	864997.3170250766	39.2504852720435	-100.2516977	340299.591256282	3436205.81487953	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
542	111	81942	-13881.14133	864997.3170250766	39.25048634120585	-100.2494402	340500.623774815	3436201.81835035	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
543	111	81943	-13221.14133	864997.3170250766	39.25048740342484	-100.2471926	340701.650371927	3436197.81835035	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
544	111	81944	-12561.14133	864997.3170250766	39.250488440117475	-100.2449451	340902.6873507514	3436193.81910136	300.372380913066	2875.475350087157	2875.453505087157	2875.453505087157	45.8429474137122	45.70538954
545	111	81945	-11901.14133	864997.3170250766	39.25048947792199	-100.2426976	341103.7199512314	3436189.81979478	300.372380913066	2875.475350087157	2875.453505087157	2875.4535		

ix	iy	ic	X.rrt	Y.rrt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBotKgr.f	SatHtElev.f	SatHtBoth.f
627	111	82027	42218.8586730335	864997.3170250766	39.25040172966248	-100.6504261	357897.8279942038	4345862.493955058	20885.0799210393325	2776.1456854801227	2737.4575182922604	2736.841671765056	38.8881671876229	39.30404380361704
628	111	82028	42678.8586730335	864997.3170250766	39.250356826726944	-100.6484936	35778.85844861659	4345859.504790516	20889.736665457006	2774.450170363356	2735.1542347490032	2735.679660484858	39.334276150167872	39.334276150167872
629	111	82029	43498.8586730335	864997.3170250766	39.25036968279345	-100.6483762	35789.96584192486	4345854.525477918	20894.307416111509	2774.664703817552	2733.6190423067142	2733.1980624624933	39.3491423067142	39.3491423067142
630	111	82030	44198.8586730335	864997.3170250766	39.25039289	-100.6443474	358190.8872680365	4345850.516617761	20895.0561365347	2771.270309	2731.506798	2731.047011	39.36351159648934	40.22329810787005
631	111	82031	44858.8586730335	864997.3170250766	39.250398585931076	-100.6411078	358391.908091181	4345846.558462586	20896.455525412586	2768.6962950997131	2729.5594223361268	2729.0532900516455	40.13687276344453	40.643005408125815
632	111	82032	45518.8586730335	864997.3170250766	39.2503678	-100.6387782	358592.9273185136	4345842.574582195	20894.06524652753	2768.1455496290278	2728.12799903339	2728.8373105476257	40.179359568859	39.3082390814201
633	111	82034	46178.8586730335	864997.3170250766	39.250364940978366	-100.6364487	358793.9464090025	4345838.591	20888.18561300499	2766.01580080358	2728.8439193884475	2728.8439193884475	40.179359568859	39.3082390814201
634	111	82034	46838.8586730335	864997.3170250766	39.25038047815509	-100.6341191	358994.963526627	4345834.608234423	20894.3062344084	2765.105123	2728.678439879691	2727.4657468685047	40.4268342	37.6353424286529
635	111	82035	47498.8586730335	864997.3170250766	39.2503772623387	-100.6317895	359195.9641923269	4345830.523346011	20893.7324608940027	2765.049689311552	2722.951981281033	2724.16221659488	40.1897468685047	39.3082390814201
636	111	82036	48158.8586730335	864997.3170250766	39.25037400131473	-100.62946	359397.00286148593	4345826.642671841	20897.469565955665	2762.1311933241814	2717.825919101247	2719.3855272234025	40.396517422234025	42.7358411
637	111	82037	48818.8586730335	864997.3170250766	39.2503706593676	-100.6271304	359598.021406637	4345822.60309505	2091.2004710251275	2760.637469868705	2712.267235111702	2714.289915830489	40.396517422234025	40.396517422234025
638	111	82038	49478.8586730335	864997.3170250766	39.25036734	-100.6248008	359790.9398160239	4345818.67732924	20894.940276	2759.2605889016035	2707.766085263463	2708.727593532513	51.4005363805718	50.47899536909626
639	111	82039	50138.8586730335	864997.3170250766	39.2503638586979	-100.6224713	360000.0580977195	4345814.69556474	20897.38568056144	2757.758508921335	2704.4733580834736	2703.9106603174	53.2822521	53.847614505889
640	111	82040	50798.8586730335	864997.3170250766	39.2503605765899	-100.6201417	360201.072628113	4345810.715794315	20898.5439009214897	2756.31881	2702.0628121176055	2701.073549629692	54.2559970025434	55.2452609079071
641	111	82041	51458.8586730335	864997.3170250766	39.25035072	-100.6181211	360402.9942312517	4345806.73176918	20896.713871769423	2754.885769465592	2700.39222	2700.39222	54.835497499758	55.75479265
642	111	82042	52118.8586730335	864997.3170250766	39.25035348084373	-100.6154825	360603.1120913004	4345802.75	2090.4785331	2753.45026987985	2699.47115734743	2699.47115734743	53.988099404165	55.6332321114738
643	111	82043	52778.8586730335	864997.3170250766	39.250349914939235	-100.613153	360804.129637389	4345798.782672936	20908.5215664275647	2752.08724667299	2699.44778017391	2698.0550336341544	52.90046580491244	53.98279103314053
644	111	82044	53438.8586730335	864997.3170250766	39.25034629	-100.6108234	361005.147431495	4345784.76746635	20916.6224052436213	2750.3019871149036	2698.615199180749	2698.615199180749	52.90046580491244	53.98279103314053
645	111	82045	54098.8586730335	864997.3170250766	39.2503426281366	-100.6084938	361206.16489587165	4345780.80639511	20886.86008234135	2749.2085916676806	2702.39025466806	2696.787611049097	52.90046580491244	53.98279103314053
646	111	82046	54758.8586730335	864997.3170250766	39.2503427273859	-100.6061643	361407.182260675	4345780.80639511	20886.86008234135	2749.2085916676806	2702.39025466806	2696.787611049097	52.90046580491244	53.98279103314053
647	111	82047	55418.8586730335	864997.3170250766	39.25033516134267	-100.6038347	361608.19942288434	4345782.84400991	20878.7021331234664	2746.382319759679	2700.1069885023592	2681.869522	52.90046580491244	53.98279103314053
648	111	82048	56078.8586730335	864997.3170250766	39.25033130448875	-100.6015051	361809.2148474084	4345784.68478905	20878.7021331234664	2746.382319759679	2700.1069885023592	2681.869522	52.90046580491244	53.98279103314053
649	111	82049	56738.8586730335	864997.3170250766	39.250327421457274	-100.5991812	362000.1421730027	4345782.84400991	20878.7021331234664	2746.382319759679	2700.1069885023592	2681.869522	52.90046580491244	53.98279103314053
650	111	82050	57398.8586730335	864997.3170250766	39.2503232366778	-100.596846	362211.202091535	4345780.80639511	20882.31140746845	2742.163421024753	2700.30762	2681.869522	52.90046580491244	53.98279103314053
651	111	82051	58058.8586730335	864997.3170250766	39.25031966778048	-100.5945164	362412.2668715285	4345766.924	20880.85868612078	2740.761559717401	2696.5508	2686.23845496663	52.90046580491244	53.98279103314053
652	111	82052	58718.8586730335	864997.3170250766	39.25031576899364	-100.5921869	362613.2834009406	4345762.944017401	20877.019061981	2739.35941449774	2695.61449175049	2698.078562787693	52.90046580491244	53.98279103314053
653	111	82053	59378.8586730335	864997.3170250766	39.25031160811244	-100.5898573	362812.9797926704	4345762.944017401	20877.019061981	2739.35941449774	2695.61449175049	2698.078562787693	52.90046580491244	53.98279103314053
654	111	82054	60038.8586730335	864997.3170250766	39.25030701131706	-100.5875277	363015.3166175425	4345754.984978472	20869.33708537166	2737.454278312004	2695.728558417467	2693.216939688362	52.90046580491244	53.98279103314053
655	111	82055	60698.8586730335	864997.3170250766	39.25030346453774	-100.585812	363217.305734438	4345752.1145438	20869.33708537166	2737.454278312004	2695.728558417467	2693.216939688362	52.90046580491244	53.98279103314053
656	111	82056	61358.8586730335	864997.3170250766	39.2502993337685	-100.5839768	363417.3481931637	4345747.02681742	20869.33708537166	2737.454278312004	2695.728558417467	2693.216939688362	52.90046580491244	53.98279103314053
657	111	82057	62018.8586730335	864997.3170250766	39.25029517520724	-100.5820539	363618.3640609548	4345747.02681742	20869.33708537166	2737.454278312004	2695.728558417467	2693.216939688362	52.90046580491244	53.98279103314053
658	111	82058	62678.8586730335	864997.3170250766	39.2502907663084	-100.580295	363819.379969624	4345739.069	20867.45717374147	2732.380146143784	2687.8059339134006	2687.8059339134006	52.90046580491244	53.98279103314053
659	111	82059	63338.8586730335	864997.3170250766	39.25028658076122	-100.5785799	364020.3954014656	4345735.10256873	20865.20086350285	2729.45784861014	2680.812564796467	2681.0123211374845	52.90046580491244	53.98279103314053
660	111	82060	63998.8586730335	864997.3170250766	39.25028223989314	-100.5755033	364221.0148740605	4345731.9195471	20859.3567020894	2728.02349382476	2673.1145342737547	2673.1145342737547	52.90046580491244	53.98279103314053
661	111	82061	64658.8586730335	864997.3170250766	39.25027785402896	-100.5732108	364422.4526167271	4345727.134108827	20859.3567020894	2728.02349382476	2673.1145342737547	2673.1145342737547	52.90046580491244	53.98279103314053
662	111	82062	65318.8586730335	864997.3170250766	39.250273421457274	-100.569812	364623.4142730027	4345724.1145438	20859.3567020894	2728.02349382476	2673.1145342737547	2673.1145342737547	52.90046580491244	53.98279103314053
663	111	82063	65978.8586730335	864997.3170250766	39.2502693337685	-100.566616	364824.4558357518	4345718.17836148	20859.3567020894	2728.02349382476	2673.1145342737547	2673.1145342737547	52.90046580491244	53.98279103314053
664	111	82064	66638.8586730335	864997.3170250766	39.25026444	-100.5642321	365025.471458351	4345715.200767161	20855.49923030637	2722.291719834785	2662.597530368148	2662.597530368148	52.90046580491244	53.98279103314053
665	111	82065	67298.8586730335	864997.3170250766	39.250259860590724	-100.5619025	365226.48627804586	4345711.2334466	20853.349923030637	2722.291719834785	2662.597530368148	2662.597530368148	52.90046580491244	53.98279103314053
666	111	82066	67958.8586730335	864997.3170250766	39.250255249736945	-100.5595729	365427.500676531	4345707.246	20851.640194503285	2719.81490583625	2660.8737619051563	2660.8737619051563	52.90046580491244	53.98279103314053
667	111	82067	68618.8586730335	864997.3170250766	39.25025059388551	-100.5572434	365628.5155273792	4345703.20958037	20849.54412231324	2717.91371681002	2657.913568336216	2657.913568336216	52.90046580491244	53.98279103314053
668	111	82068	69278.8586730335	864997.3170250766	39.25024539033632	-100.5549138	365829.529674302	4345699.29189225	20849.54412231324	2717.91371681002	2657.913568336216	2657.913568336216	52.90046580491244	53.98279103314053
669	111	82069	69938.8586730335	864997.3170250766	39.25024073421457274	-100.552547	366030.548343254	4345695.33898214	20849.54412231324	2717.91371681002	2657.913568336216	2657.913568336216	52.90046580491244	53.98279103314053
670	111	82070	70598.8586730335	864997.3170250766	39.2502363563408	-100.5502457	3							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEVLogKrg.ft	BREIEVLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
12	ix	12153	-363021.1413	865657.3170250766	39.245499890599035	-102.0807395	234131.85781292047	4348544.938682851	40.01502875	3702.307189685478	3709.696971392714	3709.213673	86.1109254620669	93.09351626
14	ix	12154	-362361.1413	865657.3170250766	39.24552424	-102.0784103	23433.00060711917	434850.54435224	40.14170947102831	3900.583481351173	3708.285261306836	3707.8064248468787	92.2982004305971	92.7777466429363
15	ix	12155	-361701.1413	865657.3170250766	39.245492080599035	-102.0768818	234524.1431577815	4348536.7422497235	40.01771843748295	3708.638257555226	3708.638257555226	3708.3407481987284	91.9814743197779	92.46881915833969
16	ix	12156	-361601.1413	865657.3170250766	39.245573934231075	-102.0757419	234735.28405111458	4348532.644342079	40.0748653969253	3707.07826	3705.511764756343	3705.03658070293	91.5104136252585	92.0362641595718
17	ix	12157	-360381.1413	865657.3170250766	39.24559852546874	-102.0742227	234936.4274093214	4348528.56622284	40.030298662517	3795.284455205254	3704.083310987888	3703.703703625262	91.2101154518376	91.58074887726207
18	ix	12158	-359721.1413	865657.3170250766	39.24562307171979	-102.0690935	235137.5691506026	4348524.449090326	39.99539522439065	3793.470175	3702.627183344431	3702.5692743066142	90.9429917006187	90.900073643569
19	ix	12159	-359061.1413	865657.3170250766	39.24564757288422	-102.0667643	235338.7106291824	4348520.351746203	39.9640968372838	3791.62852927655	3701.2104893624	3701.390515107915	90.41860397	90.2383731974008
20	ix	12160	-358401.1413	865657.3170250766	39.2456720295197	-102.064435	235539.8154254633	4348516.25458991	39.9316384061333	3789.76001979125	3699.8346460473404	3698.76166716202316	89.92537437438485	89.95150312099355
21	ix	12161	-357741.1413	865657.3170250766	39.24569640559196	-102.0621058	235740.9927996062	4348512.15782135	39.89819180438498	3789.0252747678	3698.7301706189268	3698.299222585936	89.692722585936	89.692722585936
22	ix	12162	-357081.1413	865657.3170250766	39.245720595717	-102.059776	235942.13347096902	4348508.06804774	39.88627277427679	3786.938440790753	3698.858701638953	3698.5429728718029	89.0547319183029	89.354954781671271
23	ix	12163	-356421.1413	865657.3170250766	39.2457451817458	-102.0574474	236143.2782034354	4348503.964279215	39.84133198651177	3783.985249432201	3698.107761210043	3698.8537334612221	88.87748822	
24	ix	12164	-355761.1413	865657.3170250766	39.24576940450511	-102.0551182	236344.1410851964	4348499.868	39.8259859795625	3782.000397746349	3698.535484648852	3697.82124192989	88.4689130949662	88.41816355339392
25	ix	12165	-355101.1413	865657.3170250766	39.24579363848734	-102.052789	236545.553951183	4348491.71625613	39.81459639729528	3780.0026946866287	3691.897652500684	3691.78362673267	88.2153120330202	88.2153120330202
26	ix	12166	-354441.1413	865657.3170250766	39.24581782220539	-102.0504597	236746.6930440035	4348491.67596141	39.80202739690435	3777.881164373306	3690.291811	3690.16694804874	87.6893250629622	87.9142163854202
27	ix	12167	-353781.1413	865657.3170250766	39.245848196357504	-102.0481305	236947.83023469144	4348487.57954452	39.78707637990407	3775.940432628133	3688.766717684686	3687.736694344743	87.741725014132771	87.741725014132771
28	ix	12168	-353121.1413	865657.3170250766	39.24586905957656	-102.0458013	237148.9721480747	4348483.48100139	39.751617445710443	3773.883136777054	3687.392162536978	3686.93967429454	86.4911538510478	86.4911538510478
29	ix	12169	-352461.1413	865657.3170250766	39.24589011135314	-102.0434721	237350.1101070796	4348479.38863491	39.73158514640313	3771.80985298552	3686.26515608944	3686.656644949987	85.854700296078	85.73150918
30	ix	12170	-351801.1413	865657.3170250766	39.24591141770648	-102.0411428	237551.24961306475	4348475.392356002	39.7069589149424	3769.719891437798	3685.473445327836	3695.63302002413	84.26446	84.08706141684752
31	ix	12171	-351141.1413	865657.3170250766	39.24593807919455	-102.0388136	237752.3880550792	4348471.1986334	39.684505832133885	3767.613311386198	3684.811559	3682.167657857653	82.797712490471	82.797712490471
32	ix	12172	-350481.1413	865657.3170250766	39.2459619056284	-102.036484	237953.52613703872	4348467.10336449	39.652310834784	3765.490232401225	3684.0297449221427	3688.7068275611235	81.46229492979785	81.78395730776738
33	ix	12173	-349821.1413	865657.3170250766	39.24600590575058	-102.0341551	238154.66399017028	4348463.09845034	39.62141713658691	3763.351326	3682.931844349345	3685.8927704891137	80.471507375475	80.471507375475
34	ix	12174	-349161.1413	865657.3170250766	39.24600955343239	-102.031829	238365.75125166847	4348458.914171893	39.59858418761975	3761.1964713671267	3681.112116992533	3687.52670906908	80.042605470245	73.6957640027935
35	ix	12175	-348501.1413	865657.3170250766	39.2460342072027	-102.029165	238548.9187780631	4348451.78789248	39.58451917385623	3759.51636715466	3680.208472809532	3685.9208472809532	74.447297130866107	74.5043502866107
36	ix	12176	-347841.1413	865657.3170250766	39.24605721149083	-102.0271674	238759.0756859017	4348450.72562045	39.54515820774316	3756.83225824815	3677.169710377942	3684.881938052576	76.6960120489945	71.9567845
37	ix	12177	-347181.1413	865657.3170250766	39.24608090236787	-102.0248382	238959.21356340634	4348451.66119695	39.52135322587617	3754.632585551794	3675.096295549283	3683.758915049275	76.939630570195	70.877343945881
38	ix	12178	-346521.1413	865657.3170250766	39.24610549497424	-102.0225089	239160.3491794917	4348453.57885453	39.49817159297311	3752.418353074933	3672.9390765263406	3688.1631268817688	79.47930878115267	64.2552646252744
39	ix	12179	-345861.1413	865657.3170250766	39.246128151019406	-102.0201797	239361.485468232	4348448.444	39.4714041023675	3750.185049502132	3670.486573920288	3681.2641180995207	79.774675183343	68.9203950928745
40	ix	12180	-345201.1413	865657.3170250766	39.2461510755383	-102.0178505	239562.6124556255	4348434.50095463	39.45401417669634	3747.36747842602	3667.840506762151	3677.0708	80.09624108045091	70.8599474027027
41	ix	12181	-344541.1413	865657.3170250766	39.24617521910058	-102.0155212	239763.7572063872	4348430.28	39.43829173149258	3745.8141626168	3665.4333301756729	3680.298324708293	72.09388413693929	72.09388413693929
42	ix	12182	-343881.1413	865657.3170250766	39.24619619159368	-102.013127	239964.164665221	4348421.94	39.41943689521217	3743.3073878091217	3663.1910429637794	3672.00029637794	72.9759712593	72.9759712593
43	ix	12183	-343221.1413	865657.3170250766	39.24622211	-102.0108627	240166.073446984	4348422.07818115	39.38878659719534	3741.801700614986	3661.342261205245	3668.933948039479	76.765834094716	72.1741852521693
44	ix	12184	-342561.1413	865657.3170250766	39.24624554381457	-102.0085335	240367.16291191647	4348417.979	39.36162445514917	3738.806147317274	3659.540606284727	3669.768454055294	76.667768800806	69.0392789171008
45	ix	12185	-341901.1413	865657.3170250766	39.24626881541034	-102.0062402	240568.29763198286	4348411.887	39.33546751310296	3736.4932947254847	3657.739579175065	3667.998045928168	78.573157107822	68.9452739731689
46	ix	12186	-341241.1413	865657.3170250766	39.2462921021824	-102.003875	240769.432094822	4348409.79429762	39.30375281701026	3734.171421	3655.6955969701053	3664.792802766747	78.5118630362445	69.932373836031
47	ix	12187	-340581.1413	865657.3170250766	39.2463153436382	-102.0015457	240970.56630061503	4348405.70242281	39.28404549994867	3731.8427645212123	3653.7438014629734	3658.5984698977284	78.0989363020895	73.2842658293286
48	ix	12188	-339921.1413	865657.3170250766	39.24633840427027	-101.999165	241171.700249881	4348401.6104243	39.25347545197733	3729.51036571546	3652.023383629	3655.91820629832	74.447297130866107	74.5043502866107
49	ix	12189	-339261.1413	865657.3170250766	39.246361691914316	-101.996872	241378.632435063	4348401.57810322	39.23246533596984	3727.17782645174	3650.558875638353	3655.3349815468996	76.6188070042767	71.8427010986438
50	ix	12190	-338601.1413	865657.3170250766	39.24638479857035	-101.994558	241573.967378744	4348399.42705651	39.21934725594263	3724.849081433823	3649.16351582996	3654.403501470573	76.5655650483694	70.44557996325011
51	ix	12191	-337941.1413	865657.3170250766	39.24640786023827	-101.9922287	241775.1005589987	4348393.3386689	39.172843477411874	3722.529836905165	3647.822784215038	3652.658061160415	74.7070554398763	69.871774896013
52	ix	12192	-337281.1413	865657.3170250766	39.24643088	-101.989894	241976.233483184	4348385.244719341	39.149169747267707	3720.2264621549834	3646.48510056848	3657.9150720361888	73.767620813554	62.311301879486
53	ix	12193	-336621.1413	865657.3170250766	39.24645334866972	-101.9875702	242177.9615163818	4348381.153757958	39.12100639805455	3717.94673682539	3645.39364698497	3662.188286693839	72.53005890367531	55.758466102702554
54	ix	12194	-335961.1413	865657.3170250766	39.24647677531313	-101.9852409	242378.4986545591	4348377.063	39.09850738647953	3715.699575184757	3644.108266769977	3667.16299750175	71.5913093810893	48.53657782490768
55	ix	12195	-335301.1413	865657.3170250766	39.24649936359376	-101.982967	242589.6307229039	4348371.76968999	39.07176975819292	3713.637478281294	3643.537478281294	3664.7301706189268	71.5913093810893	48.53657782490768
56	ix	12196	-334641.1413	865657.3170250766	39.24652249	-101.980524	242780.7626464325	4348368.881997935	39.0497682273673	3711.60957633634	3641.15436353635	3654.776179190514	71.8522910211822	56.5441461272335
57	ix	12197	-333981.1413	865657.3170250766	39.246545258493745	-101.9782531	242981.8842721374	4348364.792	39.00725637524237	3709.244802795886	3639.99435604992	3649.0664321931185	68.2504622296667	60.7183808647002

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEV.Kg.f	BRELEV.Kg.f	SatH.Kg.f	Lat1Bot.ft
139	12	82279	-779861.1413	865657.3170250766	39.24826110879894	-101.7872484	259473.8416648827	34480.3032127157	3719.136284773761	3560.14952693286863	3461.1496218226916	3418.657645966411	98999080999467	34114918748362752
140	12	82280	-779201.1413	865657.3170250766	39.248261063632775	-101.7849191	259674.95267026992	34480.25367460857	3717.565344334517	3559.167031151562	3460.72671675699965	3432.450258	984023636	126.7167580586204
141	12	82281	-778641.1413	865657.3170250766	39.248199917893483	-101.7826897	259876.9638379801	34480.21862811552	3718.934112051008	3558.1662027272136	3461.865190842474	3437.923246291127	984012305964610083	120.24926464610083
142	12	82282	-777861.1413	865657.3170250766	39.24831814651359	-101.7802035	259771.1476525920	34477.180668920369	3557.1468472720508	3543.16057472424254	3434.629245112527	339.9862964762541	122.5174210279805	125.7167210279805
143	12	82283	-777221.1413	865657.3170250766	39.24833706910411	-101.7773039	260278.28506120745	34480.31743689131	3732.8864089061626	3556.108693766318	3464.894411970159	3426.6252332792	91.21428179615896	136.426068033262
144	12	82284	-776561.1413	865657.3170250766	39.248359546670103	-101.7756015	260479.395391713384	34480.0646605553	3553.012362651088	3555.051088	3466.822392438452	3418.6281341307521	98.5254953390819	128.52194646699368
145	12	82285	-775901.1413	865657.3170250766	39.2483747930618	-101.7732721	260680.505	34480.058693142	3729.88593519551736	3553.9738413282435	3468.5771445701025	3442.016452	85.39669675814033	111.9578888803147
146	12	82286	-775241.1413	865657.3170250766	39.248393566919454	-101.7709429	260881.6151186393	34480.051338749	3728.8182936875	3552.878644235423	3468.249493706496	3458.07948471072	83.62655758292865	94.79738549343115
147	12	82287	-774581.1413	865657.3170250766	39.24841230594084	-101.7686134	2610262.7466462688	34479.043032276	3728.934112051008	3558.1662027272136	3471.835680146999	3469.344005936628	80.220897697964	92.15441253232616
148	12	82288	-773921.1413	865657.3170250766	39.2484310	-101.765284	261283.834738272	34479.366861757	3725.50035231627	3550.621255189246	3472.927217014496	3471.617022	77.6940447474848	70.02826529
149	12	82289	-773261.1413	865657.3170250766	39.24844956807825	-101.7635456	261484.934041064	34479.98923937177	3724.0720738133174	3549.4619782681243	3474.277877443703	3473.67317281576	75.1140082442142	73.02826529
150	12	82290	-772601.1413	865657.3170250766	39.24846826745335	-101.7616252	261686.051886052	34479.985.21	3722.64096494717	3548.2841113904647	3474.854471616843	3484.27111026694	73.42693522202171	64.01029936737603
151	12	82291	-771941.1413	865657.3170250766	39.248486830108586	-101.7592958	261887.1604882303	34479.14847812	3710.0749237359965	3475.0794273579965	3475.292752509462	3483.8947018997837	63.10787458480327	58.10787458480327
152	12	82292	-771281.1413	865657.3170250766	39.2485037477628	-101.7569664	262088.26885514866	34479.77030613974	3719.301613657441	3545.859681703055	3475.910884681736	3499.0370062799	69.9450834817685	46.76223810755164
153	12	82293	-770621.1413	865657.3170250766	39.24852362043763	-101.754637	262289.379868307	34479.0308131215	3717.6450050702	3544.811035937573	3477.2768510573847	3481.03704959385	67.34318488	63.0431947993461
154	12	82294	-769961.1413	865657.3170250766	39.248542248114845	-101.752376	262490.4649	34479.931764138	3715.80177353064	3543.344685104344	3477.3043901165197	3485.5144872490123	66.0402965302406	94.80319857133145
155	12	82295	-769301.1413	865657.3170250766	39.248560630799894	-101.7499782	262691.5925453056	34479.6589002051	3714.272762420644	3542.057024	3477.280258	3394.732642976131	64.97466625866034	147.6833817695886
156	12	82296	-768641.1413	865657.3170250766	39.24857896849275	-101.7474688	262892.6990725638	34479.78622658	3714.021039670034	3540.7482129871796	3476.677083833265	3481.739627501926	64.07113415385311	159.0152302
157	12	82297	-767981.1413	865657.3170250766	39.248597261193346	-101.7453194	263093.80716524384	34479.761738546	3711.7493530972427	3539.418472922961	3474.6893905116467	3401.296287391388	64.72008241131425	138.1216455
158	12	82298	-767321.1413	865657.3170250766	39.24861550891069	-101.74299	263294.9142111927	34479.652441713	3710.077665258814	3538.0684626714183	3474.0591531424816	3405.99525902902	64.00930952893668	106.0856630536163
159	12	82299	-766661.1413	865657.3170250766	39.24863371161773	-101.7406066	263496.0280488264	34479.547322547	3708.9169633130321653	3536.6993130321653	3472.559558676135	3429.4632536614004	64.14275090707649	97.2360590707649
160	12	82300	-766001.1413	865657.3170250766	39.248651869350454	-101.7383213	263697.12743972935	34479.4530392623	3706.152631363574	3535.3512147185557	3470.143445473897	3438.5314539610478	65.16896935	96.78094542031532
161	12	82301	-765341.1413	865657.3170250766	39.24867013268176	-101.735987	263898.2362819371	34479.3308569214	3704.1308956874585	3534.022413426719	3468.592587454123	3472.462721432077	64.88012307143008	94.88012307143008
162	12	82302	-764681.1413	865657.3170250766	39.24868804982065	-101.7336724	264099.33972109294	34479.362097978	3702.23246951713	3532.40462896232	3464.803709940398	3443.3891071492178	61.62857255533898	89.101355476751043
163	12	82303	-764021.1413	865657.3170250766	39.24870607256712	-101.731343	264300.4455	34479.392229	3707.268253338315	3531.059683716836	3461.66332187467	3438.94930359768	69.6965132593689	92.11037975974075
164	12	82304	-763361.1413	865657.3170250766	39.24872405032109	-101.7290136	264501.5510698382	34479.321504595	3705.79893540147	3528.161508362173	3457.654282443516	3435.2448875988716	71.96422591865712	94.3762676330146
165	12	82305	-762701.1413	865657.3170250766	39.24874198038257	-101.7266842	264702.6563949848	34479.324	3704.329491464847	3528.1670605144	3450.616069487345	3457.6160946207595	75.1514091460493	89.99536402754848
166	12	82306	-762041.1413	865657.3170250766	39.24875987058146	-101.7243548	264903.7614875982	34479.20181750319	3702.80089526575	3526.7500261010786	3443.0893674967615	3439.199104818187	83.66065891031712	87.55092142875992
167	12	82307	-761381.1413	865657.3170250766	39.24877771362783	-101.7220254	265104.8663478565	34479.07191340457	3700.6192772742	3525.34348	3448.592587454123	3472.462721432077	64.88012307143008	94.88012307143008
168	12	82308	-760721.1413	865657.3170250766	39.24879571111565	-101.7197196	265305.70759922	34479.049397984	3700.60977956216	3523.94077956216	3451.50938054775	3467.107198407572	72.4314711264092	72.4314711264092
169	12	82309	-760061.1413	865657.3170250766	39.248813264202646	-101.7173665	265507.075327009	34479.078345113	3699.69089615926	3522.533759621837	3452.1502619860958	3459.6041245144024	70.38349757622921	62.929363047916236
170	12	82310	-759401.1413	865657.3170250766	39.24883097200105	-101.7150371	265708.7196368756	34479.034901961	3698.259977440163	3520.7829797440163	3464.03987518217	3464.03987518217	64.802813900562	57.8008123095124
171	12	82311	-758741.1413	865657.3170250766	39.2488486480676	-101.7127077	265909.2835	34479.75518974	3698.084381065103	3519.7013319564	3459.7313690930575	3467.556488519976	59.7657426350672	68.78896240756567
172	12	82312	-758081.1413	865657.3170250766	39.24886625261972	-101.7103783	266106.3817713219	34479.66633064	3697.76652269810	3518.2753948893426	3462.480234401296	3470.153485493420	58.79516048273964	48.2595959159484
173	12	82313	-757421.1413	865657.3170250766	39.24888336259904	-101.708489	266311.4090416757	34479.583335323	3697.44866432248	3516.8495924342385	3463.763726461835	3471.854162954767	58.692196805046	44.9917604947128
174	12	82314	-756761.1413	865657.3170250766	39.24890133326728	-101.7057196	266512.539815282	34479.532021541	3697.1308956874585	3515.4092927161585	3465.022413426719	3472.462721432077	64.88012307143008	94.88012307143008
175	12	82315	-756101.1413	865657.3170250766	39.24891883610774	-101.70339	266713.6696804883	34479.461899515	3696.706585518248	3513.9407304352541	3456.158922	3470.153485493420	58.79516048273964	48.2595959159484
176	12	82316	-755441.1413	865657.3170250766	39.2489362	-101.701006	266914.7996695373	34479.79.34	3696.33727623027	3512.51958383097	3467.18365495323	3473.70017598744	45.335254337376	38.7896624035269
177	12	82317	-754781.1413	865657.3170250766	39.24895366679213	-101.6987312	267115.90221713326	34479.632620494	3695.71846128056	3511.07032531246	3467.984634182265	3473.70017598744	45.335254337376	38.7896624035269
178	12	82318	-754121.1413	865657.3170250766	39.2489701	-101.6964018	267317.043532413	34479.125836091	3695.491839428557	3509.6100369510327	3469.0416682425497	3470.153485493420	58.79516048273964	48.2595959159484
179	12	82319	-753461.1413	865657.3170250766	39.24898832	-101.6940723	267518.1066234688	34479.191260284	3695.189193464447	3508.1638651054922	3470.153485493420	58.79516048273964	48.2595959159484	48.2595959159484
180	12	82320	-752801.1413	865657.3170250766	39.24900557534004	-101.6917429	267719.2048420774	34479.13408696	3694.044235022697	3506.6291925739	3470.173195	3476.204662746824	50.351097303695	44.9917604947128
181	12	82321	-752141.1413	865657.3170250766	39.2490230617394	-101.6894018	267920.4246177334	34479.07191340457	3693.189277440163	3505.6291925739	3470.173195	3476.204662746824	50.351097303695	44.9917604947128
182	12	82322	-751481.1413	865657.3170250766	39.249039956149048	-101.6870841	268121.4115109554	34479.049397984	3692.349653991668	3503.71671288243	3470.173195	3476.204662746824	50.351097303695	44.9917604947128
183	12	82323	-750821.1413	865657.3170250766	39.24905707903149	-101.6847546	268322.512681732	34479.0261323	3691.265215953					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothK.ft	SurfElevLogs.ft	SurfBoth.ft
255	12	82405	-196701.1413	865657.3170250766	39.25030804159884	-101.493738	284812.0489929536	34375.18094343878	3540.7285510246493	3388.920256139927	3378.017658100184	3386.924396048415	302289093743225	1.959816531122261
256	12	82406	-196041.1413	865657.3170250766	39.25032142956645	-101.4914089	285013.1318342709	34375.14043	3538.782571965914	3386.7803613514498	3375.633639	3384.3623081231615	1.110722801059637	2.22803522828623
257	12	82407	-195821.1413	865657.3170250766	39.25034138695345	-101.490179	285214.2145987306	34375.0928929862	3538.66715078016	3384.923698924914	3382.923784283913	3382.923784283913	1.058233528393931	2.5172971857
258	12	82408	-194741.1413	865657.3170250766	39.25034871685075	-101.4867495	285345.2960476959	34375.0541508765	3534.384203042808	3384.413768439276	3386.7960126136627	3377.8473062307005	45.53701914542139	1.9476747269885175
259	12	82409	-194061.1413	865657.3170250766	39.25036132505603	-101.48442	285616.3791871828	34375.0189005535	3532.810752506394	3380.18987	3364.751272266687	3375.911077934046	15.438968132333131	4.998762596635515
260	12	82410	-193401.1413	865657.3170250766	39.25037453343136	-101.4820905	285817.46121546254	34375.018448358	3529.4071210755308	3377.949894284664	3362.218596177095	3372.92133371674	15.31296810945518	5.028559017496602
271	12	82411	-192741.1413	865657.3170250766	39.25038796881106	-101.479761	286018.54303273353	34375.0370527232	3522.66203604004	3375.69543965454	3360.05084838425	3371.49877	15.654491179729105	4.196662198378285
272	12	82412	-192081.1413	865657.3170250766	39.25040081519511	-101.4774315	286219.740321148	34374.989122148	3527.726156813165	3377.48761976185	3365.084869374572	3365.39253092873516	15.363881761727953	4.163459411833828
273	12	82413	-191421.1413	865657.3170250766	39.2504138695345	-101.4751919	286420.52387892174	34374.9589829878	3525.7670031	3379.153101995164	3368.12568323369	3367.003836684105	15.026833816583953	4.4566316583953
274	12	82414	-190761.1413	865657.3170250766	39.2504269169709	-101.4727274	286521.7872205805	34374.916408071	3388.872175132204	3378.872175132204	3354.6087045022025	3359.54809590747	12.463471080010346	9.224107014574046
275	12	82415	-190101.1413	865657.3170250766	39.2504399	-101.4704429	286622.8681958843	34374.9519139067	3522.6700241907114	3366.58946337165	3352.670014116698	3351.8905643311655	13.943434200463118	11.649888209595929
276	12	82416	-189441.1413	865657.3170250766	39.2504528377414	-101.4681134	287023.948612122	34374.97342	3518.4470216276783	3364.3078419378226	3351.0003218464185	3354.7983964262914	13.309209140502404	9.509434511531117
277	12	82417	-188781.1413	865657.3170250766	39.2504657391779514	-101.4657389	287225.0295167573	34374.94592777083	3516.87148064657	3362.029956748227	3349.115244713042	3352.67446104312	10.972410230184948	9.535480643915143
278	12	82418	-188121.1413	865657.3170250766	39.2504758058905	-101.4635454	287426.1096274865	34374.95443840805	3515.295770041237	3359.789064472513	3347.409094	3350.69046754044	12.249212321701145	9.149109931
279	12	82419	-187461.1413	865657.3170250766	39.25048138402079	-101.4611248	287627.189995984	34374.951505085	3517.49761976185	3354.4547620256335	3346.37383656408	3346.37383656408	12.04268773549169	11.1202381
280	12	82420	-186801.1413	865657.3170250766	39.25050414242005	-101.4587193	287828.2690268283	34374.9534648061	3514.182350411697	3355.2407855749077	3343.312844139188	3344.7003188337	11.935941435719542	10.47782386570956
281	12	82421	-186141.1413	865657.3170250766	39.25051685584264	-101.4564568	288029.3496543347	34374.9529917071	3513.966810393431	3353.0184009767	3342.268672191463	3344.882006024863	10.74393271620374	9.311798879
282	12	82422	-185481.1413	865657.3170250766	39.25052925426871	-101.4541363	288230.4912550912	34374.9434919112	3515.750369671396	3351.97566439119	3340.557576213798	3342.0794239648048	10.2339092253121	8.712142474
283	12	82423	-184821.1413	865657.3170250766	39.25054247146889	-101.4518067	288431.5084563057	34374.9521992804	3512.699651480458	3348.5830955093006	3338.27841897205	3340.15361209543	8.467817601	
284	12	82424	-184161.1413	865657.3170250766	39.25055476173908	-101.4494772	288632.5875	34374.941154	3510.81465473914	3346.38658910048	3335.91512133108	3339.1374342523313	10.40347376940237	7.213424457176883
285	12	82425	-183501.1413	865657.3170250766	39.25056726	-101.4471477	288833.6664332913	34374.9310652401	3508.92965473667	3344.20759406267	3336.31471273714	3334.5281114289026	7.88862747246269	9.7467447269885175
286	12	82426	-182841.1413	865657.3170250766	39.25057974801352	-101.4448182	289034.761073297	34374.935111107	3507.044667471205	3342.030213046437	3333.9835404238276	3337.9769042287615	8.0674728017615	8.05193081363457
287	12	82427	-182181.1413	865657.3170250766	39.2505921455971	-101.4426118	289249.29535589	34374.93226506	3498.39917897974	3342.27169938661318	3332.740486520215	3332.740486520215	8.180081172328717	7.82473941437706
288	12	82428	-181521.1413	865657.3170250766	39.25060458916102	-101.4401591	289436.9019413477	34374.92456748284	3501.076245629437	3337.75363822041	3325.617707285343	3328.90516358255	8.21076553305462	8.82019950505665
289	12	82429	-180861.1413	865657.3170250766	39.25061664337008	-101.4378296	289637.97995630	34374.9201790073	3497.730664059517	3335.594252136241	3322.905615024664	3328.492734232683	12.688883711557709	7.10152172927499
290	12	82430	-180201.1413	865657.3170250766	39.25062925182804	-101.4355001	289839.05784275196	34374.9167201237	3494.38206345076	3333.4792607491	3320.0792780796234	3326.526402046412	13.39820518767461	6.95305037390895
291	12	82431	-179541.1413	865657.3170250766	39.25064151528966	-101.4331705	290040.1354829955	34374.9124869138	3491.466037927385	3331.373673	3317.315732896634	3325.2544226839004	14.08603991467795	6.121149904079379
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293	12	82433	-178221.1413	865657.3170250766	39.25066692725511	-101.428115	290449.29535589	34374.914779884	3504.42721953106	3327.29169938661318	3326.740486520215	3326.740486520215	12.688883711557709	5.69909637303554
294	12	82434	-177561.1413	865657.3170250766	39.250678059846	-101.4258119	290643.761645344	34374.9087687127	3507.1700424191813	3329.98053444513	3319.4702947954777	3319.4702947954777	11.9480975162318	5.69909637303554
295	12	82435	-176901.1413	865657.3170250766	39.25069012	-101.4238524	290844.435970383	34374.9064503315	3481.897570027174	3323.135252	3307.2328231304095	3317.2328214869175	15.8902891086305	5.81134075122305
296	12	82436	-176241.1413	865657.3170250766	39.25070216	-101.4215229	291045.52058741	34374.90429063	3480.46504914686	3321.1172573230688	3304.9250185177016	3312.97073252749	16.29238053671962	6.039425058619614
297	12	82437	-175581.1413	865657.3170250766	39.25071451141117	-101.419193	291246.596909953	34374.905842646	3479.0324120179196	3319.11664374437	3302.255549077831	3312.708043045435	16.861049669506	6.048067290200246
298	12	82438	-174921.1413	865657.3170250766	39.25072609962953	-101.4168638	291447.6731886321	34374.9043513811	3477.59983303071	3317.1750510278673	3301.692476208056	3311.750510278673	16.561742646209	6.95721053838628
299	12	82439	-174261.1413	865657.3170250766	39.25073803721258	-101.4145343	291648.749181036	34374.9045928892	3475.164631739848	3315.164631739848	3298.1031594570635	3302.726832678715	16.0614728169229	7.793944110203832
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301	12	82441	-172941.1413	865657.3170250766	39.25076167511258	-101.4098532	292048.7050505555	34373.92	3469.051044	3311.632331988223	3293.6885700817477	3301.692243162598	15.6750728607465	9.616570747242277
302	12	82442	-172281.1413	865657.3170250766	39.25077343419785	-101.407546	292251.97928946	34373.92329491	3465.9105	3309.323039371686	3297.61705259693	3297.61705259693	14.6720661748652	11.7016989
303	12	82443	-171621.1413	865657.3170250766	39.25078516712642	-101.4052161	292453.0511	34373.921407347	3463.538253689814	3308.420494955038	3288.846703721944	3297.7474808283	18.555917923309185	13.672750146726205
304	12	82444	-170961.1413	865657.3170250766	39.2507974593664	-101.4028866	292654.12670124867	34373.9203622202	3461.896654075934	3305.487147173324	3284.719672684189	3292.32055526448	20.7678905	13.166386184675958
305	12	82445	-170301.1413	865657.3170250766	39.25080847915044	-101.400957	292855.20086337355	34373.91920324285	3460.26054996793	3302.587703657276	3282.480694879875	3289.689395318506	21.10203415928485	13.893308125452392
306	12	82446	-169641.1413	865657.3170250766	39.25082067667775	-101.3982725	293056.273097618	34373.9148519078	3458.625451001919	3301.627105517673	3282.72630912124	3287.193454640797	14.04062951933287	14.04062951933287
307	12	82447	-168981.1413	865657.3170250766	39.2508328798864	-101.3961807	293248.649755444	34373.9137822894	3456.917831963485	3300.7831963485	3281.7831963485	3281.7831963485	14.04062951933287	14.04062951933287
308	12	82448	-168321.1413	865657.3170250766	39.250843109712918	-101.3935624	293458.4730976092	34373.910427059	3455.91098214035	3297.905140251272	3278.942550710329	3287.193454640797	14.04062951933287	14.04062951933287
309	12	82449	-167661.1413	865657.3170250766	39.25085546	-101.3912389	293659.4978606413	34373.91026195	3456.314388461362	3296.1822598				

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatBothKgr.ft	SatBothft.	
391	112	82531	-113541.1413	865657.3170250766	39.25164062746039	-101.200241	314160.8904861861	34740709.110982308	3284.250654075133	3138.868539666503	3100.264409500948	3101.48048904697297	38.64013016555458	28.38764916773054
392	112	82532	-112881.1413	865657.3170250766	39.25164834620505	-101.1978485	310347.3475482777	34740708.032062329	3284.973115780488	3136.55242186244	3098.6409945412342	3110.100605101875	37.9114732618992	26.54161536636068
393	112	82533	-112221.1413	865657.3170250766	39.25165011990099	-101.1985459	310649.0545849518	34740707.05811725	3285.69569697044	3134.203536623495	3097.025089923916	3107.7694130415382	37.7883093874726	26.43307804821421
394	112	82534	-111561.1413	865657.3170250766	39.25166348711286	-101.1932253	310570.0628607605	34740706.0210219	3286.1480219539984	3131.820547114626	3095.422433915823	3106.815313313215	36.914233303987	25.0097343303688
395	112	82535	-110901.1413	865657.3170250766	39.251671232467544	-101.1908957	310561.1201277207	34740699.000898094	3288.0775904351384	3129.4817878792964	3093.838399186626	3104.366994349347	35.86838560633764	25.0517932591326
396	112	82536	-110241.1413	865657.3170250766	39.25167871722414	-101.188561	311152.1717839676	34740698.973564472	3290.627412485874	3126.86738920836	3092.322974637783	3102.7237761334445	34.5640342805783	24.26262787391643
397	112	82537	-109581.1413	865657.3170250766	39.2516862486265	-101.1862265	311353.2340550786	34740697.1042125	3293.27095242193	3124.350362347876	3090.7948235687849	3101.53184	32.947326483874	22.99213636987802
398	112	82538	-108921.1413	865657.3170250766	39.25169371	-101.1836909	311554.29047120213	34740696.420439021	3296.876734153993	3122.053880037508	3089.112491507553	3103.73222530363	32.38138979319962	21.31605717038976
399	112	82539	-108261.1413	865657.3170250766	39.25170111750525	-101.1819173	311755.24256567	34740695.05811725	3298.9165941500414	3119.558837123746	3088.671850149217	3101.186198075093	31.88786218582458	20.753217904821346
400	112	82540	-107601.1413	865657.3170250766	39.2517074626933	-101.1792477	311956.405503599	34740694.78767904	3298.42384265199	3117.048114164993	3086.20950509404	3100.192276525765	30.91782596396230	18.65591399626308
401	112	82541	-106941.1413	865657.3170250766	39.25171157003028	-101.1769181	312157.45699180553	34740693.84153767	3290.920570110796	3114.52325222812	3084.318882783856	3099.170666823856	30.20480973842541	15.353481855875543
402	112	82542	-106281.1413	865657.3170250766	39.25172305880302	-101.1745885	312358.5156	34740694.815628760	3288.434155776737	3111.8859054063836	3082.93054057698	3093.92973517793	29.95068886886556	16.962653940042026
403	112	82543	-105621.1413	865657.3170250766	39.251723028	-101.1722589	312559.5714044521	34740693.78988783	3285.8944984385703	3109.4370914511924	3081.651149497562	3090.885124812683	27.78594195	18.451929200124435
404	112	82544	-104961.1413	865657.3170250766	39.2517347134394	-101.1699293	312760.626895041	34740692.76333819	3283.3096236844863	3106.801581922282	3080.2378914803226	3087.8654722784977	26.64316658959217	19.01558860740486
405	112	82545	-104301.1413	865657.3170250766	39.251744595117309	-101.1675997	312961.6824	34740691.738933685	3280.7247469304029	3104.208626903209	3078.918666074454	3085.369255147217	25.402159950163423	18.9951387539176
406	112	82546	-103641.1413	865657.3170250766	39.25175168	-101.1652701	313162.737595882	34740690.7178923	3278.139874176319	3101.75834817907	3077.709950007521	3083.284185505621	24.0433961030592	18.4161311228157
407	112	82547	-102981.1413	865657.3170250766	39.25175727686844	-101.1629405	313363.792626513	34740689.446877897	3274.559677454423	3099.197847050804	3076.345456597648	3081.2310886312416	22.852181708136957	17.96585347452737
408	112	82548	-102321.1413	865657.3170250766	39.2517657264076	-101.1606109	313564.7845	34740690.6636041	3270.875696270072	3096.64378290475	3075.24198874524586	3078.70546	17.93841522247466	17.315341522247466
409	112	82549	-101661.1413	865657.3170250766	39.25177608272234	-101.158213	313765.9021382034	34740689.63334017	3266.89041525601	3094.087795818946	3074.198473468202	3076.807951583499	19.9003241136926	17.28926399839747
410	112	82550	-101001.1413	865657.3170250766	39.25177659089006	-101.1559517	313966.0566216805	34740688.6189837	3262.9141083	3091.563914904046	3073.225858422468	3075.702543318688	18.33050648	16.35642175779087
411	112	82551	-100341.1413	865657.3170250766	39.25176842792636	-101.1536221	314168.01092185	34740689.50662845	3259.0387392530454	3089.407410078324	3071.74599215329	3073.045408533097	17.29624179203477	15.99533247435287
412	112	82552	-99689.1413	865657.3170250766	39.25176327175789	-101.1512925	314369.056395725	34740688.56653549	3256.298000202874	3086.291635393595	3069.73468893041	3070.3404847167	16.96298474535462	14.88668967766587
413	112	82553	-99041.1413	865657.3170250766	39.25180409743487	-101.148629	314570.1187814054	34740687.491534581	3252.408272986254	3083.492719383655	3067.121251186773	3072.849221840036	15.739846519254586	13.70989469519254586
414	112	82554	-98361.1413	865657.3170250766	39.25180677	-101.1466333	314771.1727305936	34740686.15954847	3247.729545841397	3081.524095118877	3064.0543722140056	3064.199417099557	17.447722904791533	12.34267801931992
415	112	82555	-97701.1413	865657.3170250766	39.25181345794365	-101.1443307	314972.2260359593	34740685.4189643196	3244.6044780138577	3079.064892788586	3061.624124106857	3061.555136089085	17.48832609717283	11.533481855875543
416	112	82556	-97041.1413	865657.3170250766	39.251820069738804	-101.1419741	315173.2797952504	34740684.71000325	3242.104672905303	3076.608975986077	3060.4872269389	3060.432871534361	16.12175000474785	16.1761008642462
417	112	82557	-96381.1413	865657.3170250766	39.251826690532305	-101.1396445	315374.33300590597	34740684.4889508385	3239.643567170033	3074.16490730243	3059.7076078545056	3059.9258980684214	15.62175000474785	14.23818661821722
418	112	82558	-95721.1413	865657.3170250766	39.2518332932741	-101.1373419	315575.380356832	34740684.42589448	3237.1632452585764	3071.737114290637	3056.57113833241	3056.80548751179	15.1659576	14.93162787666579
419	112	82559	-95061.1413	865657.3170250766	39.251840974312413	-101.1348833	315776.43898479343	34740683.403204208	3234.5579584582738	3069.259811638855	3054.259811638855	3052.449271938855	14.93162787666579	13.70989469519254586
420	112	82560	-94401.1413	865657.3170250766	39.251840974312413	-101.1324705454	315977.4915344325	34740682.70084454	3232.877294587	3066.914356771	3052.449271938855	3052.449271938855	15.153537313443	12.01417678905018
421	112	82561	-93741.1413	865657.3170250766	39.2518526152226	-101.130326	316178.5044183757	34740681.938197587	3229.076932775184	3064.563675455097	3041.76151878325	3041.863903536542	22.79200476184587	22.68972191875818
422	112	82562	-93081.1413	865657.3170250766	39.25185898452369	-101.1279964	316379.596501829	34740684.33597192	3226.3671966073674	3062.1925968073674	3060.8628142823108	3036.992544319213	20.52628525056646	25.169954878452443
423	112	82563	-92421.1413	865657.3170250766	39.25186530326686	-101.1256668	316580.648478953	34740683.3304066	3224.18939760177	3059.849254235148	3032.3925515010746	3032.47342	27.45670273407133	27.3758347707644
424	112	82564	-91761.1413	865657.3170250766	39.25187158713122	-101.1233372	316781.7004257346	34740686.292074198	3222.563244194713	3057.5326424794173	3028.44022118484	3028.44022118484	26.8003329430335	28.9733191
425	112	82565	-91011.1413	865657.3170250766	39.25187820937274	-101.1210768	316982.5729595683	34740687.270402718	3220.933475366674	3055.251268872204	3025.520491785203	3031.06861563431222	28.994789480017268	28.994789480017268
426	112	82566	-90441.1413	865657.3170250766	39.25188409743487	-101.118678	317280.2489161202	34740686.2489161202	3219.4151847673	3052.804293751724	3022.849271938855	3022.849271938855	28.994789480017268	28.994789480017268
427	112	82567	-89781.1413	865657.3170250766	39.25189015	-101.1163084	317484.8551891034	34740685.27614857	3218.148051162701	3050.635671171807	3020.162402023697	3020.162402023697	28.994789480017268	28.994789480017268
428	112	82568	-89121.1413	865657.3170250766	39.25189625324466	-101.1140188	317585.9043065254	34740684.20654462	3217.847595371257	3048.3631310152014	3018.538018267803	3019.466825470027	28.994789480017268	28.994789480017268
429	112	82569	-88461.1413	865657.3170250766	39.25190230176596	-101.1116892	317786.9574843776	34740683.268018262314	3216.0034847731	3046.10034487731	3016.871621637573	3016.871621637573	29.282712234987811	28.994789480017268
430	112	82570	-87801.1413	865657.3170250766	39.251908314990075	-101.1093596	317988.0083596925	34740682.164818156	3226.3128704813703	3043.84725425661	3014.7890504427001	3016.2608801111678	29.00758918420717	27.5766329
431	112	82571	-87141.1413	865657.3170250766	39.25191477880055	-101.1070299	318189.059057995	34740681.42456699	3223.021032075725	3041.5949348474287	3012.587676761266	3014.2024811131759	29.00758918420717	27.5766329
432	112	82572	-86481.1413	865657.3170250766	39.2519201971621494	-101.104703	318390.1095759065	34740684.123877616	3223.834668690328	3039.351467116709	3011.51423489274	3011.51423489274	29.13620871743493	27.511242504400247
433	112	82573	-85821.1413	865657.3170250766	39.25192630230377	-101.1020833	318598.50972425814	34740683.1195750946	3220.1187135047	3037.60024198974043	3009.138582170464	3009.138582170464	29.13620871743493	27.511242504400247
434	112	82574	-85161.1413	865657.3170250766	39.25193190025565	-101.100011	318792.2101	34740682.638367041	3219.411936273154	3036.849964110927	3006.15128487335	3006.15128487335	2	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kg.ft	BREIElevBoth.Kg.ft	SatHtElev.Kg.ft	SatHtBoth.ft
517	ix 82657	-30381.14133	866567.3170250766	39.25225886231489	-100.9066823	354.787750214209	4345603.066327873	404181860631162	3084.41860631162	2904.842659595983	2886.4527197935768	2886.4399452486414	34.889940162412586	54.40274170473497
518	ix 82660	-29271.14133	866567.3170250766	39.25226087522291	-100.9043526	335679.01096986494	4344649.0161181701	3089.353253273436	2904.845858418349	2885.3093787373565	2885.2460804394426	34.7309060809342	54.7930438	
519	ix 82659	-2906.14133	866567.3170250766	39.25226281920475	-100.902023	368080.9469161322	4344646.957479845	3089.158065371031	2904.846458781171	2884.524582670353	2884.4719140486677	54.7181140486677	54.7181140486677	
520	ix 82658	-28901.14133	866567.3170250766	39.25226384031432	-100.8990634	336081.848742462	4344649.033320089	3089.827053053697	2938.43753486307	2883.81800696274	2883.98595103154	54.50573102109005	54.50573102109005	
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522	ix 82662	-27081.14133	866567.3170250766	39.25226862086286	-100.8950341	336483.9530819496	4344649.05588557	3081.16269704542507	2936.807954542507	2882.4834360328987	2882.6550584995868	54.342518509606424	54.342518509606424	
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524	ix 82664	-26261.14133	866567.3170250766	39.252272223687534	-100.8903748	336886.023060706	4344649.03882101	3078.102195078167	2935.186252156736	2880.55517461824	2880.7473297039866	54.43734946911196	54.43734946911196	
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527	ix 82667	-23781.14133	866567.3170250766	39.25227729	-100.8833859	338478.12761245004	4344643.029450356	3071.3786296296	2931.3786296296	2876.714584035404	2876.7094380864957	56.1280490521469	56.05054218414935	
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529	ix 82669	-22461.14133	866567.3170250766	39.2522804326262	-100.8787266	337891.1962240919	434506.052483156	3068.040520345885	2931.3524942312853	2873.19905514851	2873.23813872141	58.154437283134484	58.154437283134484	
530	ix 82670	-21801.14133	866567.3170250766	39.25228195217992	-100.876397	338092.23029292276	4344541.02197539	3066.367494244134	2930.362197834914	2871.1050919559725	2871.069672125597	59.5523662329569	59.5523662329569	
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536	ix 82676	-17841.14133	866567.3170250766	39.2522900609366	-100.8624192	339298.4134	4344643.01196643	3055.43031363843	2926.127779877077	2864.669019050414	2864.69017267046	61.51822597	61.51822597	
537	ix 82677	-17181.14133	866567.3170250766	39.25229125421868	-100.8600696	339490.494	4344643.01973111	3053.500509701131	2925.336838528621	2862.9427833813154	2862.90171874116	62.3940059763054	62.3596548504568	
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539	ix 82679	-15861.14133	866567.3170250766	39.25229361962267	-100.8554353	339991.528936674	4344649.01985198	3049.729991985468	2923.8399147254599	2860.4664151764578	2860.6947171202895	64.0026914723309	64.0026914723309	
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541	ix 82681	-14541.14133	866567.3170250766	39.2522958031918	-100.850771	340303.5968562907	4344640.00732401	3044.202627838196	2922.009781231558	2856.322314737852	2855.78731755918	66.0874668477728	66.22407407564224	
542	ix 82682	-13881.14133	866567.3170250766	39.2522965492423	-100.8484414	340504.626897534	4344640.00831956	3041.771647530044	2921.1336846179074	2854.954004809072	2854.159501448833	66.1796841190109	66.5748116807442	
543	ix 82683	-13221.14133	866567.3170250766	39.252297474317219	-100.8461118	340705.658097936	4344639.01768397	3039.354299107622	2920.239391074627	2853.3729606793927	2853.41465248265	66.8964633980142	66.8259289241815	
544	ix 82684	-12561.14133	866567.3170250766	39.25229832098814	-100.8437821	340906.60987891876	4344639.00882689	3037.40238506341	2919.325696203513	2853.243206750235	2853.2274622064297	66.08248947011634	66.098234201392168	
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546	ix 82686	-11241.14133	866567.3170250766	39.25229974957454	-100.8391228	341308.754714844	4344639.0106689	3032.41100106689	2917.430569722398	2851.7010859247	2851.7010859247	68.686119329	68.686119329	
547	ix 82687	-10581.14133	866567.3170250766	39.25229887882784	-100.8367932	341509.7855990913	4344633.01088844	3027.5303344442116	2916.4477030674006	2850.214790756757	2850.23459928003	69.1233109916343	69.1233109916343	
548	ix 82688	-9921.14133	866567.3170250766	39.25230142	-100.8344636	341710.8186602267	4344637.01188547	3023.574574978805	2914.404386654637	2848.248492481123	2848.244203350197	51.1514961735142	51.1514961735142	
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551	ix 82691	-7941.14133	866567.3170250766	39.252303244613304	-100.8267447	342313.9097204826	4344637.015993805	3020.319478902837	2912.2781958287283	2859.982922015967	2859.805339293362	56.2853030597156	56.2853030597156	
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553	ix 82693	-6621.14133	866567.3170250766	39.2523042746904	-100.822154	342710.970585846	4344639.015993805	3016.832667292727	2910.05640905011	2857.945667922727	2857.945667922727	61.773232567346	61.773232567346	
554	ix 82694	-5961.14133	866567.3170250766	39.2523046641353	-100.8204858	342917.0011999846	4344635.02176455	3013.610514718712	2908.905449572706	2839.93703445686	2839.67396413336	68.96976151	69.231543342804	
555	ix 82695	-5301.14133	866567.3170250766	39.2523050305079	-100.8185161	343118.0318726763	4344635.02405342	3012.0437855362	2907.723386973346	2834.716370710384	2834.135628928208	70.010762626177	70.010762626177	
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557	ix 82697	-3981.14133	866567.3170250766	39.2523068322375	-100.8134968	343520.091240422	4344633.029	3010.248918912901	2905.254076219285	2830.724093260444	2831.8056043376546	73.44903768584813	73.44903768584813	
558	ix 82698	-3321.14133	866567.3170250766	39.252305952161306	-100.8111672	343721.121034346	4344639.03204257	3008.32348	2903.9634683780813	2831.9711851516	2831.94710586716	75.7887656266571	75.7887656266571	
559	ix 82699	-2661.14133	866567.3170250766	39.25230692305385	-100.8085079	343923.180387942	4344639.03265586	3007.35949	2903.18316319681	2831.7369144789967	2831.7369144789967	76.94772814789967	76.94772814789967	
560	ix 82700	-2001.14133	866567.3170250766	39.25230620513053	-100.8056709	344123.180387942	4344639.03265586	3006.25949	2903.18316319681	2831.7369144789967	2831.7369144789967	77.2243195731057	77.2243195731057	
561	ix 82701	-1341.14133	866567.3170250766	39.25230641	-100.8047783	344324.203135543	4344637.01468339	3004.4830812162536	2899.899761786005	2833.610953130917	2833.698870496623	62.8888085514338	64.20089131639816	
562	ix 82702	-681.14133	866567.3170250766	39.25230647791859	-100.8018487</									

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBothKrg.ft
643	ix2783	52778.8586730335	865657.3170250766	39.252162619572395	-100.6131483	66088.1137454113	434599.944159986	282181578153449	251.515835	2693.9361120459816	2692.8433274047675	57.57732069768534	58.627570771
644	ix2784	54348.8586730335	865657.3170250766	39.2521589657794	-100.6108187	161008.1131527174	434599.962770737	2844.2763005404324	2750.1135692365992	2690.68382094145	2690.58411734708922	59.4411734708922	59.4411734708922
645	ix2785	54098.8586730335	865657.3170250766	39.2521533284446	-100.6084861	362110.14862918	434599.961644648	2873.71034847415	2748.37894111633	2698.262011466377	2698.262011466377	57.792020724318	57.792020724318
646	ix2786	54758.8586730335	865657.3170250766	39.25215152159202	-100.6105195	161411.1655607245	434599.9608602518	2741.253099655486	2700.007707381295	2693.04898623747	2693.04898623747	57.30710324827216	57.30710324827216
647	ix2787	55418.8586730335	865657.3170250766	39.25214786500056	-100.6038298	361612.1825714222	434599.917090295	2872.285120424019	2745.916681010497	2707.750971030073	2678.641339746684	57.41183890742376	57.41183890742376
648	ix2788	56078.8586730335	865657.3170250766	39.25214404610086	-100.6015002	361813.199430105	434598.03904308	2873.2805536548	2744.5221391156033	2703.914300448006	2677.4123971923819	57.46073866759721	57.46073866759721
649	ix2789	56738.8586730335	865657.3170250766	39.25214021862064	-100.5991706	362014.2162	434597.058682948	2875.413029644886	2743.130329585578	2702.8323755776814	2675.887949455732	57.490735347906534	57.490735347906534
650	ix2790	57398.8586730335	865657.3170250766	39.252136327632215	-100.596841	362215.27327572503	434597.07277839	2876.417078614128	2741.739473288153	2708.172946664838	2678.787595602313	57.52665862606964	57.52665862606964
651	ix2791	58058.8586730335	865657.3170250766	39.25213248164861	-100.5946118	362416.2495272598	434596.981681674	2878.598362226958	2740.48616861156	2699.635234342608	2684.140671635985	57.548138753790756	57.548138753790756
652	ix2792	58718.8586730335	865657.3170250766	39.25212841055841	-100.5921187	362617.255695831	434596.118234841	2881.91094305339	2738.97098730476	2699.620462002598	2689.820462002598	57.56982727887	57.56982727887
653	ix2793	59378.8586730335	865657.3170250766	39.25212438473124	-100.5895211	362818.2818	434596.13801233	2884.252396913023	2737.562396913023	2701.28626380453	2694.357919068362	57.57278853804	57.57278853804
654	ix2794	60038.8586730335	865657.3170250766	39.25212031368884	-100.5875225	363019.2975703206	434596.159	2899.54017024406	2736.163558298957	2703.575541966705	2699.311972099502	57.58260010232517	57.58260010232517
655	ix2795	60698.8586730335	865657.3170250766	39.25211697705625	-100.5851928	363220.318160276	434596.179564575	2895.4665380210074	2736.14775406281	2706.14775406281	2698.71457906281	57.5842196730068	57.5842196730068
656	ix2796	61358.8586730335	865657.3170250766	39.252112036724374	-100.5828632	363421.329624901	434596.20307068	2895.0648254534014	2733.3498615434014	2708.023201337577	2707.8658228673958	57.58626025824282	57.58626025824282
657	ix2797	62018.8586730335	865657.3170250766	39.252107300742396	-100.5805336	363622.345	434594.221	2893.643112479458	2731.334026667627	2709.993772871633	2710.334026667627	57.58823965912975	57.58823965912975
658	ix2798	62678.8586730335	865657.3170250766	39.252103379762045	-100.578204	363823.360470947	434594.24233175	2892.2213904154267	2730.511220339803	2697.948300307265	2698.088900740606	57.59033049076695	57.59033049076695
659	ix2799	63338.8586730335	865657.3170250766	39.25209928378351	-100.5758743	364024.376260643	434593.26386509	2895.3021180429204	2729.0584600117	2698.31104484811	2686.892707498886	57.592115626004	57.592115626004
660	ix2800	63998.8586730335	865657.3170250766	39.25209442805058	-100.5735447	364225.3914532164	434592.28542411	2894.025191787504	2727.6540718825704	2674.3820075858716	2674.6202359163873	57.5937159661817	57.5937159661817
661	ix2801	64658.8586730335	865657.3170250766	39.2520905862898	-100.5712151	364426.4067	434592.307144598	2894.01383931044	2726.2188517430336	2663.909704	2663.837545282978	57.59462147396	57.59462147396
662	ix2802	65318.8586730335	865657.3170250766	39.25208613	-100.568885	364627.42171501485	434592.329047915	2896.535151501046	2724.780642588504	2656.32248480998	2656.32248480998	57.59571574885235	57.59571574885235
663	ix2803	65978.8586730335	865657.3170250766	39.25208164987894	-100.566558	364828.4360447572	434592.351134067	2896.40190368874	2723.349670676553	2653.151023383073	2652.95273142582	57.5967423174582	57.5967423174582
664	ix2804	66638.8586730335	865657.3170250766	39.25207712895056	-100.564226	365029.4513640157	434592.37430407	2898.334085687102	2721.9999027102	2654.857105320585	2654.857105320585	57.5978240443527	57.5978240443527
665	ix2805	67298.8586730335	865657.3170250766	39.2520728262334	-100.5619819	365234.544012476	434592.39458162	2899.46586758960	2720.549812028987	2653.848912028987	2653.848912028987	57.59893591906285	57.59893591906285
666	ix2806	67958.8586730335	865657.3170250766	39.2520679196235	-100.559567	365431.4804918916	434592.4148494515	2895.918450294006	2719.010093	2653.120934522412	2655.5023912502407	57.59893591906285	57.59893591906285
667	ix2807	68618.8586730335	865657.3170250766	39.2520632959248	-100.5572374	365632.484606927	434592.431408681	2897.37217208759	2717.562458595278	2669.3462857016575	2669.3462857016575	57.59903591906285	57.59903591906285
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669	ix2809	69938.8586730335	865657.3170250766	39.25205384905621	-100.5525781	366034.5232011944	434592.464904005	2896.0489646005276	2714.6623609527624	2672.473677329617	2672.473677329617	57.59903591906285	57.59903591906285
670	ix2810	70598.8586730335	865657.3170250766	39.2520490580893	-100.5502485	366235.3371904035	434592.481085800	2894.04235560041	2713.21039363506	2670.71453111619	2671.5429314204375	57.59903591906285	57.59903591906285
671	ix2811	71258.8586730335	865657.3170250766	39.25204422122496	-100.5479188	366436.540143432	434592.4981643432	2894.04660011387	2711.75917973262	2670.31616813874	2671.5429314204375	57.59903591906285	57.59903591906285
672	ix2812	71918.8586730335	865657.3170250766	39.25203933	-100.5454983	366637.571851815	434592.51583562	2894.04660011387	2710.31039363506	2670.31616813874	2671.5429314204375	57.59903591906285	57.59903591906285
673	ix2813	72578.8586730335	865657.3170250766	39.25203441151547	-100.5432598	366838.57845920813	434592.5304207448	2898.86650591765	2708.84987651719	2668.210545667134	2668.23627948489	57.59903591906285	57.59903591906285
674	ix2814	73238.8586730335	865657.3170250766	39.25202944	-100.54093	367039.591924847	434592.546114415	2892.392163875869	2707.3925628438055	2666.514518911844	2666.514518911844	57.59903591906285	57.59903591906285
675	ix2815	73898.8586730335	865657.3170250766	39.25202442873586	-100.5386004	367240.0652623056	434592.564323005	2892.58028698919	2706.3473903310097	2666.3473903310097	2666.3473903310097	57.59903591906285	57.59903591906285
676	ix2816	74558.8586730335	865657.3170250766	39.25201937	-100.5362708	367441.6185	434592.5806488119	2894.0150652616	2704.470107367445	2661.80556074841	2661.80556074841	57.59903591906285	57.59903591906285
677	ix2817	75218.8586730335	865657.3170250766	39.2520142135663	-100.5339412	367642.631552378	434592.59831015	2894.04660011387	2703.01080484304	2658.69176801759	2658.69176801759	57.59903591906285	57.59903591906285
678	ix2818	75878.8586730335	865657.3170250766	39.2520091104007	-100.5316116	367843.544012476	434592.616358172	2894.04660011387	2701.549812028987	2657.154851630142	2657.154851630142	57.59903591906285	57.59903591906285
679	ix2819	76538.8586730335	865657.3170250766	39.25200391444475	-100.5292818	368044.6533737929	434592.63398892	2894.04660011387	2700.0826582927	2656.45498289714	2656.45498289714	57.59903591906285	57.59903591906285
680	ix2820	77198.8586730335	865657.3170250766	39.25199873490725	-100.5269523	368245.6703312864	434592.652	2898.3030955918	2698.611229321317	2648.7742250430125	2648.7742250430125	57.59903591906285	57.59903591906285
681	ix2821	77858.8586730335	865657.3170250766	39.25199383753797	-100.5246227	368446.68055491	434592.67937682	2898.3030955918	2697.1399168161574	2647.334543047144	2647.334543047144	57.59903591906285	57.59903591906285
682	ix2822	78518.8586730335	865657.3170250766	39.25198805658653	-100.5222931	368647.695050988	434592.704690305	2892.912072469723	2695.66511807869	2646.45005523265	2646.45005523265	57.59903591906285	57.59903591906285
683	ix2823	79178.8586730335	865657.3170250766	39.2519828063638	-100.5199638	368848.7074	434592.73123703	2894.04660011387	2694.0150652616	2645.752050291768	2645.752050291768	57.59903591906285	57.59903591906285
684	ix2824	79838.8586730335	865657.3170250766	39.25197725948756	-100.5176339	369049.719562464	434592.75836587	2894.04660011387	2692.5471408199205	2644.650587544195	2644.650587544195	57.59903591906285	57.59903591906285
685	ix2825	80498.8586730335	865657.3170250766	39.251972783740076	-100.5152978	369249.783740076	434592.783740076	2894.04660011387	2690.3414977884	2643.5414977884	2643.5414977884	57.59903591906285	57.59903591906285
686	ix2826	81158.8586730335	865657.3170250766	39.2519672273932	-100.512746	369451.7438	434592.80955918	2894.04660011387	2688.754224391074	2642.503726091454	2642.503726091454	57.59903591906285	57.59903591906285
687	ix2827	81818.8586730335	865657.3170250766	39.251960726849106	-100.510645	369652.7553379716	434592.83628167	2894.04660011387	2686.26658574115	2646.446073613548	2647.11677887024	57.59	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevBothKgf.	BRElevBothKgf.	SatHtKgs.ft	SatHtBothKgs.ft
19	129	82909	-352461.1413	866317.3170250766	39.24770265757042	-102.0435029	237534.2138719472	4348680.68169734	3972.200675697813	370.987407778389	3685.2726281876376	3697.9696969667606	73.17484259075123	73.0175781162815
20	129	82910	-351801.1413	866317.3170250766	39.24772696458922	-102.0411736	237555.3527864358	4348676.58863063	3970.48055165273	3768.983528318053	3684.343229902077	3695.4711927595757	73.16373596	73.16373596
31	133	82911	-347181.1413	866317.3170250766	39.2477636452651586	-102.0388626	237766.4952053062	4348672.825809362	3973.27146841747	3753.7688971554173	3692.469483845907	3677.70091463704815	73.163281150995	73.0886174129017
32	129	82912	-350481.1413	866317.3170250766	39.2477454367364	-102.036511	237957.62841149775	4348663.38015028	3960.0126943187	3764.656014719364	3682.47060342368	3696.275843515084	73.1625123995844	73.6994273908518
33	129	82913	-349821.1413	866317.3170250766	39.247788415727274	-102.0341858	238158.7660380773	4348664.303606875	3963.600423236986	3765.5131996176665	3681.2206454144197	3689.7180106169544	73.2925520324683	72.79401969071209
34	129	82914	-349161.1413	866317.3170250766	39.247722824279424	-102.0318565	238359.9045030282	4348663.268387771	3961.19333413115	3762.354133443435	3679.597708961628	3689.63462943458	73.1625474730972	70.71948399967565
35	129	82915	-348501.1413	866317.3170250766	39.24784604869804	-102.0295272	238561.04051255534	434866.113784783	3959.0064213355063	3758.178888352778	3677.7581060437693	3687.9473914505475	73.1625474730972	70.71948399967565
36	129	82916	-347841.1413	866317.3170250766	39.247869916751155	-102.0271979	238762.1773660654	4348662.918397808	3957.04227563184	3755.9871748361	3675.81133090627	3682.689299296999	70.1763768883481	73.2984154696204
37	129	82917	-347181.1413	866317.3170250766	39.2478636452651586	-102.0246868	237766.4952053062	4348672.825809362	3973.27146841747	3753.7688971554173	3692.469483845907	3677.70091463704815	73.163281150995	73.0886174129017
38	129	82918	-346521.1413	866317.3170250766	39.24791710116748	-102.0225393	239164.50208517	434864.8313028	3953.113885	3761.55843678505	3671.836974989948	3676.011759535456	73.1625474730972	70.71948399967565
39	129	82919	-345861.1413	866317.3170250766	39.24794070328964	-102.020021	239358.58653526	434863.37287925	3951.11037224033	3749.321433258138	3668.577572	3677.033336	73.1637116968811	72.26809711820085
40	129	82920	-345201.1413	866317.3170250766	39.247964260423046	-102.0178807	239566.7221660305	434863.64	3949.0671875382523	3747.0694375918327	3667.348102	3677.564606305874	73.1733591603279	69.5047172
41	129	82921	-344541.1413	866317.3170250766	39.24798777526763	-102.0155514	239767.8577123292	434863.1550168685	3947.024037855104	3744.80361536114	3665.2408050578053	3674.3206823058474	73.1625474730972	70.71948399967565
42	129	82922	-343881.1413	866317.3170250766	39.24801123972344	-102.0132221	239968.9903186428	434862.475868142	3944.980881667504	3742.524399947446	3663.0852126030322	3674.259374714232	73.1625474730972	70.71948399967565
43	129	82923	-343221.1413	866317.3170250766	39.248034681890365	-102.0108928	240170.128581171	4348623.367397298	3942.310983420307	3740.2321147788007	3661.187501612606	3673.758665164144	73.1625474730972	70.71948399967565
44	129	82924	-342561.1413	866317.3170250766	39.24805803906376	-102.0085635	240371.2628401316	4348619.2708941316	3939.014323648772	3737.828611443187	3659.526298910566	3671.08152982853	73.1625474730972	70.71948399967565
45	129	82925	-341901.1413	866317.3170250766	39.248081372574538	-102.0062342	240572.39736471686	4348615.178191905	3937.3176638612996	3735.61381822998	3657.85626479645	3667.8929821404976	73.1625474730972	70.71948399967565
46	129	82926	-341241.1413	866317.3170250766	39.24810465845747	-102.0039409	240773.5163214045	4348611.085551912	3932.42104008091	3732.4294198742657	3655.516597693712	3663.006820191977	73.1625474730972	70.71948399967565
47	129	82927	-340581.1413	866317.3170250766	39.24812790066846	-102.0015756	240974.6656246025	434860.993321477	3929.407505	3730.96826720867	3653.326754497666	3657.183622341897	73.1625474730972	70.71948399967565
48	129	82928	-339921.1413	866317.3170250766	39.2481510078931	-101.9992462	241175.7993631003	434860.901160877	3926.67176520533	3728.6400766115	3651.3619335048315	3654.16540321551946	73.1625474730972	70.71948399967565
49	129	82929	-339261.1413	866317.3170250766	39.24817425012315	-101.9969169	241376.93293947022	434859.80917112	3923.94595952654	3723.3394047858	3650.133486428636	3653.326754497666	73.1625474730972	70.71948399967565
50	129	82930	-338601.1413	866317.3170250766	39.248197357366706	-101.9945876	241578.061362393	434859.71741161	3921.2164866666667	3720.396047518218	3648.778625910167	3651.3222505580943	73.1625474730972	70.71948399967565
51	129	82931	-337941.1413	866317.3170250766	39.24821941348219	-101.9923047	241789.198189615	434859.621009168	3919.421520399747	3717.65162112314	3647.95162112314	3649.08243230847	73.1625474730972	70.71948399967565
52	129	82932	-337281.1413	866317.3170250766	39.24824336896156	-101.989929	241980.3318477063	434859.53437055	3916.59746712614	3719.39187212523	3645.43603801383	3650.3414632944	73.1625474730972	70.71948399967565
53	129	82933	-336621.1413	866317.3170250766	39.24826396949195	-101.9875997	242181.46430272337	434859.44220185	3914.428199271931	3717.119553260923	3643.96380113038	3656.754502530943	73.1625474730972	70.71948399967565
54	129	82934	-335961.1413	866317.3170250766	39.2482893644836	-101.9852703	242382.59653821643	434858.751954585	3912.258952172323	3714.880958203143	3642.574317988173	3664.028119014708	73.1625474730972	70.71948399967565
55	129	82935	-335301.1413	866317.3170250766	39.24831221874538	-101.982841	242583.780039368	434858.74261	3909.60045912939	3712.680867536914	3641.309015868946	3666.595149359476	73.1625474730972	70.71948399967565
56	129	82936	-334641.1413	866317.3170250766	39.24833505605298	-101.9806117	242784.8602074587	434858.707002945	3906.479251151986	3710.5263245177807	3639.909031322596	3655.961141566477	73.1625474730972	70.71948399967565
57	129	82937	-333981.1413	866317.3170250766	39.24835784857107	-101.9783824	242985.9616598173	434858.660247993	3903.349201174338	3708.429811285195	3638.4644431635	3654.968384035529	73.1625474730972	70.71948399967565
58	129	82938	-333321.1413	866317.3170250766	39.248379102576	-101.9759475	243187.102877422	434858.621	3901.47582174067	3706.335441309673	3637.031313107332	3654.7425854914464	73.1625474730972	70.71948399967565
59	129	82939	-332661.1413	866317.3170250766	39.248403298038646	-101.9736237	243388.2530036347	434858.978988518	3908.9856719077948	3704.377800649996	3636.07580688354	3644.417217799751	73.1625474730972	70.71948399967565
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61	129	82941	-331341.1413	866317.3170250766	39.248448774775	-101.969895	243790.51492329143	434858.472080272	3891.3811867480116	3700.5314867340835	3632.8446650560364	3648.7803636108984	73.1625474730972	70.71948399967565
62	129	82942	-330681.1413	866317.3170250766	39.24847114	-101.9666357	243991.6451039698	434858.40375464	3886.9749517305	3693.705847947376	3630.46703410986	3646.70341954961	73.1625474730972	70.71948399967565
63	129	82943	-330021.1413	866317.3170250766	39.248493657488074	-101.964304	244192.753010765	434858.414422589	3884.178126778477	3693.36238288862	3630.737746105326	3643.828471116044	73.1625474730972	70.71948399967565
64	129	82944	-329361.1413	866317.3170250766	39.2485164348219	-101.961977	244393.9470469857	434858.47527442	3882.05145116317	3700.83938485334	3629.09348230847	3640.968384035529	73.1625474730972	70.71948399967565
65	129	82945	-328701.1413	866317.3170250766	39.24853856728927	-101.9596477	244595.0341248844	434858.36318016	3879.664572774067	3693.195607493737	3629.273473906743	3643.828471116044	73.1625474730972	70.71948399967565
66	129	82946	-328041.1413	866317.3170250766	39.248560954700075	-101.9573184	244796.16392212385	434858.27544304	3877.478025171966	3901.290527507437	3624.64763420547	3630.4575190001356	73.1625474730972	70.71948399967565
67	129	82947	-327381.1413	866317.3170250766	39.248583297120966	-101.954898	244987.2952068902	434858.185690298	3877.533794781733	3689.583021705785	3622.57595115324852	3618.4256079	73.1625474730972	70.71948399967565
68	129	82948	-326721.1413	866317.3170250766	39.24860559	-101.9526597	245198.420682451	434858.109756391	3880.040708510797	3687.775300608887	3616.774441461481	3622.605523964714	73.1625474730972	70.71948399967565
69	129	82949	-326061.1413	866317.3170250766	39.248627849982854	-101.9503303	245399.59477573376	434858.109953582	3882.54829360002	3685.9582268992	3613.552492992262	3618.419103239471	73.1625474730972	70.71948399967565
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71	129	82951	-324741.1413	866317.3170250766	39.24867249488925	-101.945684	245802.8190109918	434858.14048058	3882.05145116317	3700.83938485334	3629.09348230847	3640.968384035529	73.1625474730972	70.71948399967565
72	129	82952	-324081.1413	866317.3170250766	39.24869403347526	-101.943323	246002.939298124	434858.047556534	3880.07043037676	3680.432172214	3610.48039650302	3616.540730280846	73.1625474730972	70.71948399967565
73	129	82953	-323421.1413	866317.3170250766	39.2487164865578									

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	SurfTm.F	W.Lt.	BRElevKgs.Ft	BRElevBothKgs.Ft	SatTmBoth.Ft	LatBoth.Ft
155	113	83035	-269301.1413	866317.3170250766	39.25037324492775	-101.7500018	262895.67081174615	348166.124814349	3712.711466380929	3450.850782823892	3315.349541745856	225.50121406373662
156	113	83036	-268641.1413	866317.3170250766	39.25039158305669	-101.7476274	262896.7780440008	348162.052080551	3711.515072575175	3539.5606962	3475.32010078013	223.23062402039499
157	113	83037	-268081.1413	866317.3170250766	39.25040975655275	-101.7453429	262897.8650272725	348157.1818918254	3710.269741440096	3538.250571289914	3472.98918126344954	177.9232520805274
158	113	83038	-267321.1413	866317.3170250766	39.25042812442518	-101.7430314	262898.91910081667	348153.90658187	3709.1237759949478	3539.820943742653	3473.64204560732	145.0962067082942
159	113	83039	-266661.1413	866317.3170250766	39.25044632760413	-101.740684	263000.0983306213	348149.8383196308	3708.185534629746	3535.572458344483	3470.5207001347153	124.2074721530564
160	113	83040	-266001.1413	866317.3170250766	39.25046944579863	-101.7383545	263071.2047322133	348145.7617154061	3707.5044954927713	3540.27292518584	3468.230680919964	97.0521302189452
161	113	83041	-265341.1413	866317.3170250766	39.25048258989058	-101.7360251	263092.31073948081	348141.6961403391	3706.824356248796	3532.8250463162963	3465.1172792091871	99.5537712591462
162	113	83042	-264681.1413	866317.3170250766	39.25050066718896	-101.7338695	264103.4166240454	348137.6251801361	3706.143775578124	3532.427309353606	3462.098686914665	63.2882246213926
163	113	83043	-264021.1413	866317.3170250766	39.25051696083072	-101.7318631	264304.5222013623	348133.554801933	3705.117785428274	3530.015137717744	3458.3476306959022	34.7767470467451
164	113	83044	-263361.1413	866317.3170250766	39.25053666049444	-101.729307	264505.6273272735	348129.4843941125	3703.7463455112487	3528.5891591712487	3453.666259350474	74.92356531771196
165	113	83045	-262701.1413	866317.3170250766	39.25055460182246	-101.7267072	264706.7327136736	348125.4141720724	3702.37025840483363	3527.1529999462549	3447.291848832497	39.6115038038498
166	113	83046	-262041.1413	866317.3170250766	39.25057249004613	-101.7243777	264907.83761153737	348121.3413473672	3701.0036111509216	3525.749573973276	3442.32566963349	102.3396380480699
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168	113	83048	-260721.1413	866317.3170250766	39.25060813	-101.7197188	265310.4607104801	348113.204627124	3698.342045726345	3523.020847834194	3442.8727598	74.6066306
169	113	83049	-260061.1413	866317.3170250766	39.25062588475537	-101.7173983	265511.15091196983	348109.1351258204	3697.025399432334	3521.647283	3448.1812934639434	65.86459124619614
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207	113	83087	-234981.1413	866317.3170250766	39.25126716							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.	W.Lt.	BRfElevKgr.ft	BRfElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
281	181	83161	-186141.1413	866317.3170250766	39.25232951972251	-101.4564821	288023.4034183199	4347654.335574756	3515.504083518514	3344.57268491856	3345.6248646160435	3347.1850506524333	819196.7258323716	
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283	181	83163	-184821.1413	866317.3170250766	39.25234812222248	-101.4518229	288455.5618413738	4347654.438978579	3515.384040981854	3350.2819773396635	3340.5659532271533	3341.173238644317	819345.9585191747	
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289	181	83169	-180861.1413	866317.3170250766	39.25242969755566	-101.4378744	289642.0322170821	4347622.1536426	3500.44885859974	3332.121692222919	3324.9734276490976	3320.43675212443	819345.9585191747	
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295	181	83175	-176901.1413	866317.3170250766	39.2525076746225	-101.4238679	290848.49503719946	4347597.879505348	3482.635005	3324.5079756693194	3320.257688020835	3320.257688020835	819345.9585191747	
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310	181	83190	-167001.1413	866317.3170250766	39.252683543144	-101.3889239	293864.6179596377	4347537.20783892	3450.04389755148	3295.4354698611	3274.1199454531	3282.6356739027	819345.9585191747	
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319	181	83199	-161061.1413	866317.3170250766	39.2527792990248	-101.3679575	295674.2264868094	4347500.825611619	3422.333413121265	3278.519996208204	3256.05694289929	3263.69451343466	819345.9585191747	
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321	181	83201	-159741.1413	866317.3170250766	39.2528011771384	-101.3632983	296076.4155712185	4347492.75059693	3420.6709122017883	3274.750462725623	3252.183970457536	3259.870179268074	819345.9585191747	
322	181	83202	-159081.1413	866317.3170250766	39.25281204056137	-101.3609837	296277.489514747	4347490.741061174	3419.77389751128	3273.87389751128	3250.67490992628	3256.894846184028	819345.9585191747	
323	181	83203	-158421.1413	866317.3170250766	39.25282309441144	-101.3586913	296483.569259144	4347488.73045259	3418.448677704526	3272.848677704526	3249.448677704526	3255.848677704526	819345.9585191747	
324	181	83204	-157761.1413	866317.3170250766	39.25283436432623	-101.3563904	296679.6283191816	4347480.62761237	3416.978114389915	3269.12037448847	3248.383524533095	3250.739217364034	819345.9585191747	
325	181	83205	-157101.1413	866317.3170250766	39.25284437711609	-101.3539798	296880.69883505	4347476.582	3415.34748694513	3267.2425420697523	3246.909892527649	3249.631780401754	819345.9585191747	
326	181	83206	-156441.1413	866317.3170250766	39.25285550597164	-101.3516502	297081.7692	4347472.54216431	3413.71688496175	3265.362890417957	3245.035277	3246.867533040944	819345.9585191747	
327	181	83207	-155781.1413	866317.3170250766	39.25286570829145	-101.3493206	297282.83932182455	4347468.002139811	3412.00676	3263.47740614253	3242.599571990653	3243.64969427306	819345.9585191747	
328	181	83208	-155121.1413	866317.3170250766	39.25287633088855	-101.346991	297483.9092571436	4347464.462304041	3410.710279563446	3261.58765104049	3240.073946326285	3240.073946326		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgr.ft	SatHBoth.ft	SatHBoth.ft
407	ix 83287	-102981.1413	866317.3170250766	29.53537142313516	-101.1629495	313767.82201699045	3447145.901767963	343583360837565	3088.184861829512	3074.49556915787	3079.61602604048587	23.690304917324958	18.568835824653434	
408	ix 83288	-102221.1413	866317.3170250766	29.5355784	-101.1600195	313568.67861716055	3447141.87671692	34370476060351	3095.635262754386	3073.18984762610378	3076.87630716510826	22.948732628660472	17.9800464356057	
409	ix 83289	-99681.1413	866317.3170250766	29.53563154802255	-101.1582891	313759.831436046	3447137.851904686	3367.07232794854	3078.51118368552	3071.963849203153	3074.78864786834	21.19918473585893	18.14044773585893	
410	ix 83290	-101001.1413	866317.3170250766	29.5359229	-101.1559819	313709.9854330558	3447037.832734667	3263.97418150462	3090.571562242496	3070.6651338621093	3073.13702001559	19.91022236214036	17.46904424269508	
411	ix 83291	-100341.1413	866317.3170250766	29.53599914896434	-101.1536309	314172.0396402102	3447129.082693894	3260.3054972361165	3088.063174224806	3068.9422424238668	3070.884358667636	19.14707002040302	17.17393555717285	
412	ix 83292	-99681.1413	866317.3170250766	29.5360596792302	-101.1531012	314373.03954627164	3447125.77862373	3256.50397	3085.561769695582	3068.892574155766	3068.200525205222	18.669195713792305	17.36151034003605	
413	ix 83293	-99021.1413	866317.3170250766	29.53612718182254	-101.1489716	314574.1472084457	3447121.756624495	3252.700424308604	3083.073728187062	3064.5076799053245	3065.039693889891	18.566048281737944	17.72303429717141	
414	ix 83294	-98361.1413	866317.3170250766	29.5361947084199	-101.1466419	314775.7008	3447117.70867448	3248.9009144377	3080.60049742977	3062.099550861959	3062.545724929477	18.500395810717994	18.052749731312925	
415	ix 83295	-97701.1413	866317.3170250766	29.53625154802255	-101.1443122	314769.2541496928	3447113.706862228	3246.7345210176866	3078.51118368552	3064.010468698742	3060.297871412566189	18.100071412566189	18.35168685447525	
416	ix 83296	-97041.1413	866317.3170250766	29.5363273776259	-101.141826	315177.30474883336	3447109.68345219	3243.202517784284	3075.874749620904	3058.514688989606	3058.5725330508955	17.124339901149416	17.124339901149416	
417	ix 83297	-96381.1413	866317.3170250766	29.5363987727496	-101.1396529	315378.3605	3447105.60135138	3240.672002539167	3073.270607214447	3056.9304099887395	3057.138202812971	16.30401722577047	16.25678539315585	
418	ix 83298	-95721.1413	866317.3170250766	29.5364559636917	-101.1373232	315579.41330311645	3447101.636990247	3238.140743299076	3070.861497381583	3054.399026261035	3054.515952975365	16.46247147812346	16.34198288122533	
419	ix 83299	-95051.1413	866317.3170250766	29.5365244	-101.1349836	315780.465992693	3447097.614030452	3235.544079425458	3070.45827811316	3050.8065199193165	3050.843518250076	16.46247147812346	16.34198288122533	
420	ix 83300	-94401.1413	866317.3170250766	29.536588961386	-101.1326639	315981.5184	3447093.91255741	3232.87591522219	3066.097883171867	3046.740687846951	3046.740687846951	19.357195290235722	19.357195290235722	
421	ix 83301	-93741.1413	866317.3170250766	29.53663513576874	-101.1303343	316162.570340204	3447089.58681113	3230.2125827050018	3063.743905240193	3042.486808173268	3042.5093190871053	21.257817669825175	21.23428615308785	
422	ix 83302	-93091.1413	866317.3170250766	29.53671682540296	-101.1280046	316363.5228459289	3447085.540261548	3227.54757037814	3061.40840879683	3038.162332389535	3038.2469731014806	23.2469731014806	23.1660902194576	
423	ix 83303	-92421.1413	866317.3170250766	29.5367800504124	-101.1256749	316584.6748193815	3447081.524042048	3226.139272004408	3059.092320686115	3034.117723678262	3034.157978185624	24.9746830924366	24.93435652002396	
424	ix 83304	-91761.1413	866317.3170250766	29.536842546837	-101.1234543	316785.7265373497	3447077.502070065	3222.98887373589	3056.79514887744	3030.42775	3030.42775	26.0414747237357	26.0414747237357	
425	ix 83305	-91011.1413	866317.3170250766	29.53690051943301	-101.1210156	316986.7781138439	3447061.480158206	3220.83810343175	3054.514997434351	3027.16718177937	3027.3227817193727	27.34781555551399	27.19221625017796	
426	ix 83306	-90441.1413	866317.3170250766	29.53697670389795	-101.1186859	317187.8296111293	3447069.45849342	3218.68719127602	3052.2474876809347	3024.310267837781	3024.7269118787	28.25142501277796	28.25142501277796	
427	ix 83307	-89781.1413	866317.3170250766	29.537028326333	-101.1163563	317388.8072939607	3447065.40310459	3217.74717326883	3049.9217302683	3022.085676195775	3022.085676195775	27.90449683108143	27.90449683108143	
428	ix 83308	-89211.1413	866317.3170250766	29.53708512329024	-101.1142026	317589.9317688487	3447051.451720197	3216.017648181349	3047.748791239454	3020.31486228187	3021.05814671413	27.4730411267704	26.6904642204186	
429	ix 83309	-88651.1413	866317.3170250766	29.53716912965929	-101.1118918	317760.3628665276	3447043.2946103316	3214.8812688224	3045.7517839532724	3018.728897955818	3018.728897955818	25.8370971148857	25.8370971148857	
430	ix 83310	-87901.1413	866317.3170250766	29.53721014261444	-101.1093672	317992.033	3447053.37366609	3215.586978092105	3043.205983	3016.6195655609034	3017.568822898573	25.67623392365718	25.72697025369724	
431	ix 83311	-87141.1413	866317.3170250766	29.53726972282116	-101.1070376	318193.0838163737	3447049.352947313	3214.757085878096	3041.08156839636	3013.817907480675	3014.88925756044	25.67623392365718	25.72697025369724	
432	ix 83312	-86481.1413	866317.3170250766	29.5373289719511	-101.1047079	318394.134142542	3447045.32329038	3215.3427601266	3038.8747178899253	3010.794068036522	3010.0465081307	27.0800386723173	26.8282678861876	
433	ix 83313	-85821.1413	866317.3170250766	29.53738717162375	-101.1023782	318595.1842910826	3447041.31203083	3214.7789953140254	3036.67843828743	3007.896838474166	3008.93849646222	28.7800554576894	27.511862820120755	
434	ix 83314	-85161.1413	866317.3170250766	29.5374460012991	-101.1000486	318796.2342619569	3447037.297	3213.832912611301	3035.4895214011	3005.459114836416	3006.081633248674	29.0304773586841	29.0304773586841	
435	ix 83315	-84591.1413	866317.3170250766	29.5375091176209	-101.0981174	318987.294651458	3447034.271022587	3213.832912611301	3035.4895214011	3005.459114836416	3006.081633248674	29.0304773586841	29.0304773586841	
436	ix 83316	-83941.1413	866317.3170250766	29.53757162306534	-101.095892	319198.337717322	3447029.6393957	3212.96137742105	3030.1485614203	3003.4859241203	3004.458654237582	31.23652307174709	31.23652307174709	
437	ix 83317	-83181.1413	866317.3170250766	29.5376187103419	-101.0930596	319399.3831112515	3447025.32329038	3213.79666169845	3029.972864483044	2996.302993031325	2994.945304410797	31.684390310944	33.05142234354736	
438	ix 83318	-82521.1413	866317.3170250766	29.5376746600274	-101.0907299	319604.43237371295	3447021.21295496	3201.4341928370333	3025.86024870333	2992.491392768223	2993.07801917464	33.6882556018199	33.82246645256924	
439	ix 83319	-81861.1413	866317.3170250766	29.5377306997514	-101.088402	319801.48145974136	3447017.194	3199.595093171778	3023.737868573888	2989.0790256235	2993.2218801314234	34.659957221361	35.05198826391637	
440	ix 83320	-81201.1413	866317.3170250766	29.537782949057	-101.0860705	32002.5304	3447013.175	3198.2138503434	3021.63104956365	2985.236875934813	2988.91936382815	37.21518558101692	37.21518558101692	
441	ix 83321	-80541.1413	866317.3170250766	29.5378414295974	-101.0837409	320023.5791029383	3447008.15572244	3196.9677	3019.543949575528	2988.742554885858	2988.6584287846234	38.801394716967025	39.8850769901566	
442	ix 83322	-79891.1413	866317.3170250766	29.537891176209	-101.0814112	32044.627653219	3447005.1371022587	3195.35458309536	3017.474458309536	2979.327789357293	2981.7891371803569	40.546985156274	40.546985156274	
443	ix 83323	-79221.1413	866317.3170250766	29.5379503584882	-101.0798015	32065.674024235664	3447001.115	3195.182424828483	3015.425091886168	2973.291085	2973.291085	42.13473763198044	42.13473763198044	
444	ix 83324	-78561.1413	866317.3170250766	29.5380041481806	-101.0767518	320806.7246466084	3446997.10017564	3195.391045276194	3013.40794002055	2969.879284380184	2982.412135379034	43.52150962185694	43.52150962185694	
445	ix 83325	-77901.1413	866317.3170250766	29.53805748788515	-101.0744222	321007.772279634	3446985.062017384	3195.653662698102	3011.402417370051	2966.87080774325	2979.6504111489485	44.72861659572525	44.72861659572525	
446	ix 83326	-77241.1413	866317.3170250766	29.5381103775864	-101.0720825	321208.8201354833	3446989.040527161	3195.916260626875	3009.437700274402	2963.532055184853	2976.4064018236285	45.79017442638285	45.79017442638285	
447	ix 83327	-76581.1413	866317.3170250766	29.5381628172885	-101.0697628	321409.867814117	3446985.04627161	3193.196280197895	3007.497939214509	2960.149626572884	2970.010999502007	47.35207639828185	47.35207639828185	
448	ix 83328	-75921.1413	866317.3170250766	29.53821480959424	-101.0674331	321610.9153265252	3446981.02867065	3187.49948	3005.97995841248	2955.40472735047	2973.171555266201	50.19522115620191	50.19522115620191	
449	ix 83329	-75261.1413	866317.3170250766	29.53826913496804	-101.0651189	321826.5796595716	3446977.107184	3186.445814651071	3003.9271934	2953.42141651071	2971.781934	52.3899148464274	52.3899148464274	
450	ix 83330	-74601.1413	866317.3170250766	29.5383174364035	-101.0627738	322010.0098117242	3446972.904394545	3185.102383290313	3001.948848417976	2954.785952	2954.785952	54.147323926215	54.147323926215	
451	ix 83331	-73941.1413	866317.3170250766	29.5383680761106	-101.060441	322124.056790211	3446967.87968047	3172.299637512426	3000.132674066184	2940.268473287834	2943.397879453288	56.8642007734994	56.73479695290475	
452	ix 83332	-73281.1413	866317.3170250766	29.53841826581876	-101.0581144	322415.10360421								

ix	iy	x	Y.rft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt.	BREIEvLogskrg.f	BREIEvBothkrg.f	satthk30g.f	satthk20g.f
53	ix	83413	-1921.14313	866317.3170250766	39.254089917819746	-00.86949098	38969.3366825564	3446460.207804247	3062.602037713619	2828.452245	2867.408750519673	61.0437029379253	61.1504054289924
534	ix	83414	-1916.14133	866317.3170250766	39.25410024677383	-00.86700802	33890.3699	344636.261111605	3067.541320913278	2867.761977695914	2867.865391700951	59.71975026820276	59.71975026820276
535	ix	83415	-1891.14133	866317.3170250766	39.25401918	-00.8647656	351163.4039193604	3446632.20486714	3021.946916735854	2862.7283236796	2862.731681158925	57.179833681032544	56.5104142890793
536	ix	83416	-1784.14133	866317.3170250766	39.25410276968708	-00.8624208	339032.4359534942	3446628.2030733145	3027.6080380939254	2926.1109744878927	2866.42351424967	59.6874603293567	59.5051857401807
537	ix	83417	-1718.14133	866317.3170250766	39.2541036363364	-00.8600911	339503.6847305656	3446624.2020312855	3025.3067445332545	2863.916993331396	2866.35858357097	61.38975118005828	61.53034367544785
538	ix	83418	-1652.14133	866317.3170250766	39.25410511258609	-00.8577614	339704.5013513625	3446620.201	3054.41813088414163	2867.478396854806	2861.61718011274157	63.11430424571275	63.11430424571275
539	ix	83419	-1586.14133	866317.3170250766	39.25410621653815	-00.8555437	339905.5338160856	3446616.2020231253	3052.335664275446	2869.411243456854	2865.919062213174	64.22442081761163	64.1360611963991202
540	ix	83420	-1501.14133	866317.3170250766	39.25410727458974	-00.853102	340106.56612458974	3446612.19960779	3049.7868374048227	2922.80694228943	2868.07828350961	2858.179097272251	64.7884326691202
541	ix	83421	-1451.14133	866317.3170250766	39.2541078949089	-00.8507723	340307.5268781328	3446608.191681475	3047.240619623554	2921.946916735854	2868.7283236796	2858.5247717160014	65.29496972
542	ix	83422	-1389.14133	866317.3170250766	39.2541052831977	-00.8484429	340508.537339646	3446604.19891282	3044.692018422173	2921.0598914510074	2854.474245735705	65.705640506001	65.121367743932
543	ix	83423	-1322.14133	866317.3170250766	39.25411018234218	-00.8461129	340709.6621183462	3446600.198841094	3040.2416457369214	2920.1609818138113	2854.488238300414	2853.7938018339726	66.36717999
544	ix	83424	-1256.14133	866317.3170250766	39.254111061292114	-00.8437832	340910.63995077625	3446596.19898364	3039.887171305196	2919.244478952085	2854.6658903811394	2853.7671552378965	65.87732763
545	ix	83425	-1190.14133	866317.3170250766	39.25411189524055	-00.8414535	341111.7254382697	3446592.19842302	3037.3358567247	2918.3077372456396	2855.1785053060526	2854.934719358704	63.370323278566312
546	ix	83426	-1121.14133	866317.3170250766	39.25411268419114	-00.8391328	341312.75661624404	3446588.197289372	3035.17996244336575	2917.348637993827	2856.6022440008904	2856.422660997645	60.7463930339235
547	ix	83427	-1058.14133	866317.3170250766	39.25411328139796	-00.8367941	341513.78	3446584.202390384	3032.7652951659795	2916.36786159795	2857.9485625461743	2857.891100715991	58.474801669860134
548	ix	83428	-991.14137	866317.3170250766	39.254114127087095	-00.8346464	3417174.81910094	3446580.21204241	3030.292748103592	2915.3632173347314	2858.31628520083	2858.377749783972	56.98546750759495
549	ix	83429	-961.14137	866317.3170250766	39.254114871035796	-00.8321347	341915.8002403103	3446576.202	3027.918293668179	2914.334975150601	2857.234275378435	2857.288347325515	57.100260132165456
550	ix	83430	-860.14137	866317.3170250766	39.254115399893156	-00.829051	342116.88078574033	3446570.202491953	3025.345725711646	2913.285940334344	2854.4611065050344	2854.558762735525	58.8243338761033
551	ix	83431	-794.14137	866317.3170250766	39.25411596383008	-00.824754	342317.91335652	3446568.20496778	3022.8230154527491	2912.2160850277214	2858.7363734250535	2858.868427666323	57.4197178262784
552	ix	83432	-728.14137	866317.3170250766	39.25411674877659	-00.8205147	342518.94184798014	3446562.2046775005	3020.251092516234	2911.1240490537925	2846.42522996578	2846.70119798968	64.6995260721437
553	ix	83433	-662.14137	866317.3170250766	39.254116985266	-00.8282616	342719.97214918747	3446560.20824558	3017.617484914814	2910.067367	2841.961471229255	2842.2582124724627	67.74955467505742
554	ix	83434	-591.14137	866317.3170250766	39.2541173758268	-00.8204863	342921.00229735956	3446550.219692984	3015.107254523965	2908.8637	2838.9447316071483	2837.5209341315103	71.9186744
555	ix	83435	-528.14137	866317.3170250766	39.25411825971349	-00.8145435	343522.0329280794	3446552.222443079	3008.632438381686	2908.423387821696	2838.598710071483	2837.5209341315103	71.9186744
556	ix	83436	-464.14137	866317.3170250766	39.25411890585225	-00.8158269	343323.0621356291	3446548.214565385	3011.46148027801	2906.4719027979845	2827.84221039041	2828.739579061184	76.8269920743737
557	ix	83437	-398.14137	866317.3170250766	39.25411832602535	-00.8134972	343524.0916228033	3446544.217160984	3008.888268392764	2906.27148624005	2828.362742384787	2832.65423279949	76.8269920743737
558	ix	83438	-321.14137	866317.3170250766	39.25411864154641	-00.8116175	343725.1213643179	3446540.21894548	3008.31505740326	2903.920072	2829.35456686732	2836.639459260745	74.65550514985793
559	ix	83439	-261.14137	866317.3170250766	39.2541188548986	-00.8088837	343926.15075954545	3446536.223	3006.980272032504	2902.584176988647	2830.3248980600224	2837.902511228075	59.6125713899146
560	ix	83440	-201.14137	866317.3170250766	39.25411904432866	-00.8065081	344127.1798950906	3446532.22574475	3005.88496474791	2901.8673	2831.428781300343	2838.26976306174	69.7844772357209
561	ix	83441	-134.14137	866317.3170250766	39.254119375814	-00.8018487	344328.20986375	3446528.229691824	3003.84159891815	2899.81198854976	2833.7817452747654	2838.598710071483	67.0326077899307
562	ix	83442	-68.1413269	866317.3170250766	39.2541191873177	-00.7971878	344532.213243079	3446524.2343079	3008.69344677413	2898.3407592594	2831.707529304	2837.5209341315103	62.2474951
563	ix	83443	-1.24132693	866317.3170250766	39.2541192125262	-00.7995919	344730.2678003237	3446520.2396513262	3003.736630040172	2896.304110332363	2833.200905532291	2835.60049877342	63.331713145894244
564	ix	83444	638.85673033514	866317.3170250766	39.254119190200505	-00.7971893	344931.2954094977	3446516.2386432875	3004.918325026824	2893.8418662144	2833.86429435364	2833.86429435364	61.57951308
565	ix	83445	1298.85673033514	866317.3170250766	39.25411912414305	-00.7945896	345132.323888215	3446512.24381922	3006.0987580512876	2893.872880662047	2832.664254850954	2832.664254850954	61.8063175991597
566	ix	83446	1958.85673033514	866317.3170250766	39.254119013081684	-00.7925299	345333.3521639124	3446508.247979035	3001.281490968933	2892.462536980185	2831.4731577055895	2830.739186354297	60.98942599429005
567	ix	83447	2618.85673033514	866317.3170250766	39.254118895072162	-00.7900202	345534.3803942287	3446504.25222715	3007.1954028074247	2890.3027107532417	2828.226993	2829.04480612579	60.7055757412172
568	ix	83448	3278.85673033514	866317.3170250766	39.25411865591134	-00.7871786	345734.408219325	3446500.25991824	3005.84159891815	2889.28169891815	2828.954471921824	2828.954471921824	60.9323977
569	ix	83449	3938.85673033514	866317.3170250766	39.254118409261004	-00.7855409	345934.43624997076	3446496.26116339	3004.477973504003	2887.810034351904	2827.283615437515	2826.8076127922	60.002421243839196
570	ix	83450	4598.8567303351	866317.3170250766	39.2541181838775	-00.7832112	346137.464027588	3446492.26456871	3003.13395984862	2886.217070077404	2825.3516319094215	2825.162538449114	58.8546369831894
571	ix	83451	5258.8567303351	866317.3170250766	39.2541178827692	-00.7808815	346338.491606297	3446482.271535931	3000.48701203678	2882.4072972135214	2822.570842352681	2822.570842352681	62.023827615673074
572	ix	83452	5918.8567303351	866317.3170250766	39.25411701714694	-00.7785518	346539.519	3446484.27679822	2996.54831706783	2882.965169965733	2819.243213	2819.244309453278	61.7216609714269
573	ix	83453	6578.8567303351	866317.3170250766	39.25411698	-00.7762221	346704.54631561796	3446480.28225558	2995.6091299108903	2881.305575	2818.15686542286	2818.15686542286	61.6812901
574	ix	83454	7238.8567303351	866317.3170250766	39.2541167055886	-00.7739234	346941.5734	3446476.28	2988.69934914398	2879.753623183255	2810.195036712579	2810.195036712579	66.8867603242248
575	ix	83455	7918.8567303351	866317.3170250766	39.25411645	-00.7716786	347134.627633361	3446472.29684853	2987.07818719086	2878.3484537272	2813.3484537272	2813.3484537272	67.1412170074524
576	ix	83456	8558.8567303351	866317.3170250766	39.25411543	-00.769824	347334.627633361	3446466.29684853	2986.03936909516	2876.190606254626	2810.171734723454	2810.171734723454	67.1412170074524
577	ix	83457	9218.8567303351	866317.3170250766	39.25411482139686	-00.7669033	347544.5363940549	3446464.305870335	2982.094465055933	2874.40889	2797.904662963132	2797.904662963132	67.56322596
578	ix	83458	9878.8567303351	866317.3170250766	39.25411417	-00.7645736	347745.680466879	3446452.321359915	2980.252385	2872.40687306258	2795.206121585816	2795.173613277065	74.754692049174231
579	ix	83459	10538.8567303351	866317.3170250766	39.25411347426673	-00.7622439	347946.7068744184	3446450.31875416	2977.80458492878	2870.47584973367	2793.79773264473	2793.79773264473	77.0768117448424
580	ix	83460	11198.8567303351	866317.3170250766	39.25411273	-00.7599142	348147.7135181884	3446452.32518592	2974.71323103987	2869.058389597054	2793.38708047453	2793.38708047453	75.7193051433927
581	ix	83461	11898.8567303351	866317.3170250766	39.2541119713645	-00.7575251	348348.7592132353	3446450.32455518	2967.219				

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SatHtLogsKrg.	SatHtBothKrg.	
595	113	83539	63338.8586730335	866317.3170250766	29.52391199	-0.05758688	364028.3572580216	4364137.4373665145	2825.4923346268224	2718.78866181627	2691.226277222198	2692.0042128478312	2697.588895942921	36.7146533739592
600	113	83540	63349.8586730335	866317.3170250766	29.52390764682408	-0.05735391	364023.7232494766	4364135.4587275046	2830.8280614030746	2727.2849775652685	2674.69848603354307	2674.95506532945307	2674.95506532945307	32.523937201985578
601	113	83541	63351.8586730335	866317.3170250766	29.52390596702581	-0.05721294	364030.7639082416	4364135.8103735747	2835.16378817693237	2725.846928898885	2669.7422409811417	2669.7422409811417	2669.7422409811417	36.7146533739592
602	113	83542	63358.8586730335	866317.3170250766	29.523988929647504	-0.05687977	364631.4021303205	4364125.9051322283	2849.195149655799	2724.403751162645	2647.1006552506183	2647.1006552506183	2647.1006552506183	77.30261987
603	113	83543	63359.8586730335	866317.3170250766	29.523893435359176	-0.05665501	364832.4168321102	4364121.4442533219	2832.14442533219	2722.957781332609	2642.583683046106	2641.6792260324092	2641.6792260324092	36.7381303
604	113	83544	63363.8586730335	866317.3170250766	29.52389895247086	-0.05642204	365033.4140442646	4364115.546226436	2825.605139324726	2721.511021708796	2645.821846857247	2645.259511	75.6891748530784	76.2515112700951
605	113	83545	63369.8586730335	866317.3170250766	29.5238852663824	-0.05618907	365234.4548444942	4364113.56854339	2829.92013311261	2720.061759915164	2653.412330086334	2653.3328338808793	2653.3328338808793	66.6494297052097
606	113	83546	63378.8586730335	866317.3170250766	29.5238906529422	-0.0559951	365435.46015247615	4364109.39104945	2834.19670792864	2718.609280202974	2661.2718078225444	2661.561209860074	2661.561209860074	77.0487711169664
607	113	83547	63384.8586730335	866317.3170250766	29.52387996920586	-0.05572194	365636.4743305982	4364105.817325747	2838.51678817693237	2717.1545826611024	2667.78514646973	2667.78514646973	2667.78514646973	45.389431620158093
608	113	83548	63392.8586730335	866317.3170250766	29.523871298117595	-0.05549017	365837.4857390816	4364101.63650432	2834.064360974997	2715.69835172957	2672.521503511524	2672.521503511524	2672.521503511524	42.6490337105646
609	113	83549	63398.8586730335	866317.3170250766	29.52387065209315	-0.05525272	366038.50229807256	4364092.586905182	2832.15180967838787	2714.24113365785	2674.030268227734	2674.030268227734	2674.030268227734	39.57446847214257
610	113	83550	63398.8586730335	866317.3170250766	29.52386176094109	-0.05502423	366239.5160873484	4364083.68289739	2830.98736552566	2712.783405494196	2672.536131	2672.5665802704827	2672.5665802704827	40.21682586713174
611	113	83551	63398.8586730335	866317.3170250766	29.52386054852926	-0.0549126	366420.557843544	4364083.76312337	2832.103571618965	2711.5257139610478	2670.974108018813	2670.974108018813	2670.974108018813	43.53053623256636
612	113	83552	63398.8586730335	866317.3170250766	29.523860237464816	-0.0545583	366641.5432804357	4364075.72991396	2835.865052	2709.966825514344	2669.4985402200006	2669.4985402200006	2669.4985402200006	40.36831561433746
613	113	83553	63398.8586730335	866317.3170250766	29.523861471767429	-0.0543523	366842.5659796063	4364067.73993988	2838.66226715438	2708.406934789038	2668.180763989505	2668.180763989505	2668.180763989505	42.51992768242973
614	113	83554	63398.8586730335	866317.3170250766	29.52386147659267	-0.0540928	367043.5700542467	4364067.773861919	2843.38180601367	2706.9441873877443	2664.406455686604	2664.406455686604	2664.406455686604	40.50209115561729
615	113	83555	63398.8586730335	866317.3170250766	29.52386147659267	-0.0538593	367244.5832	4364073.80181471	2844.614930578197	2705.481784483537	2663.944566163077	2661.77809281299	2661.77809281299	41.5357781873675
616	113	83556	63398.8586730335	866317.3170250766	29.52383206941054	-0.0536243	367445.925235912	4364069.82614734	2843.909168411172	2704.0176089153217	2661.207500646702	2659.4515121309623	2659.4515121309623	44.566094784330384
617	113	83557	63398.8586730335	866317.3170250766	29.5238269632282	-0.05339346	367646.6901143435	4364065.80563605	2841.9987442243437	2702.552351	2657.4231282542	2658.061851621037	2658.061851621037	44.75223050525813
618	113	83558	63398.8586730335	866317.3170250766	29.52382181223523	-0.05316049	367847.6218774945	4364061.87526365	2840.9548857861569	2701.085498791866	2655.351413394139	2655.351413394139	2655.351413394139	42.7756234716744
619	113	83559	63398.8586730335	866317.3170250766	29.523816616147745	-0.05292752	368048.6343132393	4364057.900244634	2841.352941289449	2699.61620641649	2649.55923295868	2649.55923295868	2649.55923295868	40.50613271796604
620	113	83560	63398.8586730335	866317.3170250766	29.52381137500441	-0.05269456	368248.6472017813	4364053.92530472	2843.585199287846	2698.4585353058	2648.64782423292	2648.64782423292	2648.64782423292	51.57801234366923
621	113	83561	63398.8586730335	866317.3170250766	29.52381137500441	-0.05246191	368450.6582557181	4364049.25144597	2845.62377858154	2696.53277858154	2647.53277858154	2647.53277858154	2647.53277858154	51.08326948113965
622	113	83562	63398.8586730335	866317.3170250766	29.5238007588616	-0.05222862	368651.6716580174	4364045.97587752	2848.250914205454	2695.199402045454	2645.504125823565	2644.94236735063	2644.94236735063	49.695276
623	113	83563	63398.8586730335	866317.3170250766	29.52379538179929	-0.05199565	368852.837682465	4364040.91601177	2849.243905164177	2693.7241040884	2645.66606162099	2645.03876242406	2645.03876242406	48.6841386148415
624	113	83564	63398.8586730335	866317.3170250766	29.5237896071267	-0.05172629	369053.69578003144	4364038.02379445	2846.596437113896	2692.247481464145	2645.777212	2645.696230459047	2645.696230459047	46.47063637
625	113	83565	63398.8586730335	866317.3170250766	29.5237844642604	-0.05152972	369254.707663384	4364034.05376368	2849.32932290347	2690.793761084042	2645.908287000817	2646.2280248322534	2646.2280248322534	44.5413530506467
626	113	83566	63398.8586730335	866317.3170250766	29.52377898353971	-0.05129875	369455.71941327385	4364030.07938437	2841.302029	2689.288931824798	2646.08041443724	2642.720876158	2642.720876158	43.20890970425664
627	113	83567	63398.8586730335	866317.3170250766	29.523774745389	-0.0510631	369656.7210371389	4364026.156882329	2847.869872733866	2687.869872733866	2646.35157238956	2646.35157238956	2646.35157238956	46.81535119579958
628	113	83568	63398.8586730335	866317.3170250766	29.52377626367585	-0.05083957	369850.742544357	4364022.13471875	2849.124178988147	2686.724178988147	2646.6237859943	2646.6237859943	2646.6237859943	44.16654941
629	113	83569	63398.8586730335	866317.3170250766	29.52376216028199	-0.05059785	370058.7359083931	4364018.15921138	2847.864339979794	2684.33676201891	2646.329501	2641.455226839251	2641.455226839251	43.7804308367956
630	113	83570	63398.8586730335	866317.3170250766	29.52376149919657	-0.05036488	370259.7651617996	4364016.18041287	2841.818902635174	2683.366139424037	2645.1736751463613	2644.06832413928	2644.06832413928	43.29858927004235
631	113	83571	63398.8586730335	866317.3170250766	29.52375075311137	-0.05013191	370460.7279290214	4364010.213090215	2841.845348242657	2681.893782822616	2643.08017855292	2638.418760676503	2638.418760676503	43.4750224611268
632	113	83572	63398.8586730335	866317.3170250766	29.5237449702643	-0.04989895	370641.7671	4364006.2403489196	2840.340473728833	2680.340473728833	2640.109038490716	2639.73252587919	2639.73252587919	44.5516982231046
633	113	83573	63398.8586730335	866317.3170250766	29.52373914594175	-0.04966598	370852.79815007706	4364002.66779037	2848.8426563172216	2678.961891383243	2638.7766071051186	2638.7766071051186	2638.7766071051186	45.2950318811582
634	113	83574	63398.8586730335	866317.3170250766	29.52373762367585	-0.0494301	371063.3089089896	4364008.25614597	2847.4125261559	2677.504855789154	2637.504855789154	2637.504855789154	2637.504855789154	51.7189138902405
635	113	83575	63398.8586730335	866317.3170250766	29.52373762367585	-0.04920055	371264.8195249911	4364004.322715615	2846.172123860033	2676.05315856738	2636.014683031235	2636.014683031235	2636.014683031235	45.7930407589788
636	113	83576	63398.8586730335	866317.3170250766	29.52373139769475	-0.04896708	371465.83002615796	4364001.551121263	2842.334970710345	2674.61004827543	2626.202710769398	2626.638702393024	2626.638702393024	50.1740240336173
637	113	83577	63398.8586730335	866317.3170250766	29.52373139769475	-0.04873411	371666.840403603	4364006.37933691	2843.513783	2673.174279786617	2622.825799371987	2620.6593243494	2620.6593243494	52.61069735192268
638	113	83578	63398.8586730335	866317.3170250766	29.523709340522825	-0.04850115	371867.850657331	4364002.47738836	2836.6830683248	2671.740362643494	2619.6267111568473	2619.6267111568473	2619.6267111568473	53.876941602840406
639	113	83579	63398.8586730335	866317.3170250766	29.5237032444001	-0.0482818	372068.8607881501	4364004.43627694	2839.478129946202	2670.328942500635	2616.187173665845	2615.1750713973904	2615.1750713973904	55.138768035332
640	113	83580	63398.8586730335	866317.3170250766	29.52369710335757	-0.04803521	372269.87079566147	4364004.4699423	2842.46492707846	2668.7766071051186	2614.23820444617	2612.5819621360476	2612.5819621360476	56.3861294734743
641	113	83581	63398.8586730335	866317.3170250766	29.52369710335757	-0.0477981	372469.87079566147	4364000.43627694	2841.459716259431	2667.504855789154	2613.4182039674581	2613.4182039674581	2613.4182039674581	57.2189138902405
642	113	83582	63398.8586730335	866317.3170250766	29.52369710335757	-0.04756028								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SatHtElev.f	SatHtBot.f
45	14	83665	-341901.1413	86697.3170250766	32.494893928199405	-102.0062641	240576.49736705754	4348816.469827915	397.9776964980438	3734.722814518188	3657.801638400574	3661.485734247984	76.97117611761405	73.2870870202411
46	14	83666	-341241.1413	86697.3170250766	32.494917215991644	-102.0033848	24077.6314387901	4348812.370408499	393.0871511103533	3742.4530968285143	3654.317465033441507	3655.0916928494378	77.36139334415087	77.36139334415087
47	14	83667	-340681.1413	86697.3170250766	32.4949404659679367	-102.0185654	24087.76352549612	4348808.284	393.7655649861315	3716.1296974696837	3652.44153383000214	3656.548074633685	77.88892424568723	77.58148613227386
48	14	83668	-339921.1413	86697.3170250766	32.49496366505449	-101.999276	241179.89881155902	4348805.102033776	3928.0067653302434	3727.8052378724906	3650.827375959447	3655.644384152414	76.9776168654592	72.16089111224915
49	14	83669	-339261.1413	86697.3170250766	32.49498680942703	-101.996467	241381.0321130805	4348800.99838458	3925.2484052650334	3725.483690204448	3649.385742852134	3652.952721104368	76.96790617	72.53093630989819
50	14	83670	-338601.1413	86697.3170250766	32.49500991725204	-101.9946173	241582.1558122816	4348796.007811158	3922.4892477337582	3713.1689165323687	3648.012283275886	3651.533674411456	76.15566326	71.63526911210208
51	14	83671	-337941.1413	86697.3170250766	32.495032380099085	-101.9922879	241783.297474239	4348791.915971867	3920.2390425647734	3720.8658039005445	3645.996063418857	3650.384903418857	74.10897404368756	70.4790846042691
52	14	83672	-337281.1413	86697.3170250766	32.49505597949652	-101.9899585	241984.034480331	4348787.4324320583	3918.497401015733	3718.57996991416	3644.088762810054	3648.218343077935	74.11081243041053	70.36135661
53	14	83673	-336621.1413	86697.3170250766	32.49507897809849	-101.9876295	242185.562795682	4348783.228575682	3916.7555649861315	3716.1296974696837	3642.453383000214	3656.548074633685	77.88892424568723	77.58148613227386
54	14	83674	-335961.1413	86697.3170250766	32.49510189867856	-101.985299	242386.647754708	4348779.615419898	3914.014117790317	3714.0223494504723	3641.859370403197	3658.114951834844	72.387871105415	75.95747856265285
55	14	83675	-335301.1413	86697.3170250766	32.49512471851789	-101.9829704	242587.826540855	4348765.55049886	3912.51580510049	3711.883347820289	3640.354898061255	3657.14091303924	71.52924972516348	74.11700591629657
56	14	83676	-334641.1413	86697.3170250766	32.4951479146424	-101.980641	242788.95805751794	4348771.45959355	3906.268027402462	3709.726984248619	3638.874786560615	3653.527353623662	70.8521993735746	75.19934639565301
57	14	83677	-333981.1413	86697.3170250766	32.49517041234395	-101.9783116	242980.8831405048	4348767.388839836	3900.005834284436	3707.615185486944	3637.413117734795	3651.61723244487	70.8521993735746	75.19934639565301
58	14	83678	-333321.1413	86697.3170250766	32.49519316	-101.9759822	243191.2231586878	4348763.783605885	3902.7508522228413	3705.512658855605	3636.273941703025	3647.526502200997	70.8521993735746	75.19934639565301
59	14	83679	-332661.1413	86697.3170250766	32.49521586176334	-101.9736529	243391.3502163324	4348759.188025148	3899.36698578543	3703.3389579325	3634.84115679035	3646.236298977784	68.6931827	68.02476384651437
60	14	83680	-332001.1413	86697.3170250766	32.495238521092525	-101.9713215	243593.481556291	4348755.097787656	3898.853376157187	3701.562591201644	3633.218972356832	3642.85433781364	68.3438188481117	68.7082352028032
61	14	83681	-331341.1413	86697.3170250766	32.49526113	-101.9688041	243794.61179527577	4348751.0978108	3898.340052630997	3699.632587951823	3631.851400701913	3645.21416886505	67.9102725990064	54.37132970671085
62	14	83682	-330681.1413	86697.3170250766	32.49528373191764	-101.966647	243995.7418703862	4348746.9141648	3898.82672964057	3697.37314475566	3630.451723939274	3650.76916366538	67.28364580528257	46.966207778181
63	14	83683	-330021.1413	86697.3170250766	32.4953062204269	-101.9643353	244196.8751152656	4348742.82682871	3884.96117543204	3695.012553513647	3629.431769467585	3647.430661279526	64.3701801860616	48.43292138712408
64	14	83684	-329361.1413	86697.3170250766	32.4953287	-101.9620509	244398.000899005	4348738.319761057	3880.74554367846	3693.01215539782	3628.306939387101	3638.1803873742585	65.70427615	55.83038173242585
65	14	83685	-328701.1413	86697.3170250766	32.49535113585795	-101.9596765	244599.130245191	4348734.649993271	3876.527104945299	3692.1717848433923	3626.475083464679	3631.124067636707	65.6952713786536	61.40737817602527
66	14	83686	-328041.1413	86697.3170250766	32.49537353263809	-101.9573471	244800.2592	4348730.50063926	3872.310548152234	3690.3389720832192	3622.084049474399	3627.104919767469	67.2549022086328	62.46881126075019
67	14	83687	-327381.1413	86697.3170250766	32.49539597947679	-101.955078	245001.3870165982	4348727.34389067	3868.07478482777	3687.362341407113	3609.953845	3618.84779168454	67.2549022086328	62.46881126075019
68	14	83688	-326721.1413	86697.3170250766	32.4954184642514	-101.9526883	245202.511377117556	4348722.38346213	3875.817896737343	3686.674874849692	3615.765810586909	3620.028955315106	70.9090339283327	65.64596391818141
69	14	83689	-326061.1413	86697.3170250766	32.49544041781398	-101.9503589	245403.6445849141	4348718.2963	3875.815837358845	3684.883515672918	3612.440390013516	3618.304190013516	70.9090339283327	65.64596391818141
70	14	83690	-325401.1413	86697.3170250766	32.49546265847646	-101.9480295	245604.7725442008	4348714.26375195	3883.30547381956	3682.9877429195626	3609.19460129227	3616.881779949247	73.7927879033542	65.106929700787
71	14	83691	-324741.1413	86697.3170250766	32.49548487887208	-101.9457001	245805.9005258993	4348710.11668035	3885.3857891735983	3681.12742300803	3606.384767601175	3616.881779949247	73.7927879033542	65.106929700787
72	14	83692	-324081.1413	86697.3170250766	32.49550690960524	-101.9433707	246007.0271355762	4348706.30704516	3885.781817462928	3679.233293940046	3603.622121795714	3626.798829217157	73.7927879033542	65.106929700787
73	14	83693	-323421.1413	86697.3170250766	32.4955291449074	-101.9410754	246208.1384338713	4348703.33484002	3887.074195095744	3673.314381358123	3601.4914777394297	3627.104919767469	67.2549022086328	62.46881126075019
74	14	83694	-322761.1413	86697.3170250766	32.49555100805805	-101.9387119	246409.281120097	4348697.855541732	3886.438790800098	3670.1296974696837	3600.3389579325	3617.6907102158047	72.7330715804957	75.7320525748536
75	14	83695	-322101.1413	86697.3170250766	32.4955729106762	-101.9363825	246611.006737624	4348693.768125677	3885.1372190192334	3673.3328149086	3596.201570740981	3621.225290083362	73.7927879033542	65.106929700787
76	14	83696	-321441.1413	86697.3170250766	32.49559493	-101.9340531	246811.53513006712	4348689.681071469	3882.173962011846	3671.571700277047	3593.7115825267104	3629.470174943663	72.7330715804957	75.7320525748536
77	14	83697	-320781.1413	86697.3170250766	32.4956182221146	-101.9317236	247012.661221146	4348685.594118091	3879.21069328126	3669.59679795707	3590.654520290076	3626.798829217157	73.7927879033542	65.106929700787
78	14	83698	-320121.1413	86697.3170250766	32.49564087296134	-101.9293942	247213.7872273464	4348681.50725345	3876.24754629358	3667.96746283936	3587.96746283936	3619.95965351046	76.92970143295479	47.6373623288946
79	14	83699	-319461.1413	86697.3170250766	32.49566343395248	-101.9270648	247414.912963292	4348677.402774817	3874.218250680968	3665.571640424436	3584.755640271014	3616.881779949247	73.7927879033542	65.106929700787
80	14	83700	-318801.1413	86697.3170250766	32.4956859265514	-101.9247554	247616.0384338713	4348673.33484002	3872.310548152234	3663.314381358123	3583.4149177394297	3627.104919767469	67.2549022086328	62.46881126075019
81	14	83701	-318141.1413	86697.3170250766	32.49570394460051	-101.922406	247817.1636343758	4348669.248182795	3867.02684217108	3661.437685	3581.630221199343	3612.1375163776227	70.9090339283327	65.64596391818141
82	14	83702	-317481.1413	86697.3170250766	32.49572561	-101.9200766	248018.2885511228	4348662.16216849	3863.930213416762	3659.3297012303474	3574.046716410694	3610.33058125695	65.2826481964794	48.99919310466248
83	14	83703	-316821.1413	86697.3170250766	32.49574723584525	-101.9177471	248219.413286288	4348661.073419755	3862.340605	3567.17204843587	3566.53692939317523	3612.7229794827	50.6317950050467	68.02476384651437
84	14	83704	-316161.1413	86697.3170250766	32.49576881397997	-101.9154177	248420.5373810118	4348656.990703251	3862.2510684552	3662.837167030667	3565.686142070383	3601.1499134784065	68.3438188481117	68.7082352028032
85	14	83705	-315501.1413	86697.3170250766	32.49579034712285	-101.9130883	248621.6619407605	4348652.905203253	3862.173915704042	3655.847160306421	3561.9416220948556	3595.624759238315	90.9054459318889	57.2224077323161
86	14	83706	-314841.1413	86697.3170250766	32.49581581	-101.9107589	248822.785944793	4348649.91899129	3862.095791616253	3560.63661514184	3558.505073336325	3590.784453862414	92.13596267316457	98.9521632327448
87	14	83707	-314181.1413	86697.3170250766	32.49583784736768	-101.9084678	249029.3870165982	4348645.918617274	3858.811961787476	3558.811961787476	3556.822891956926	3587.96746283936	67.2549022086328	62.46881126075019
88	14	83708	-313521.1413	86697.3170250766	32.49585847660031	-101.9061	249225.0350589026	4348640.06020673	3857.375430161655	3556.234556013094	3553.245650017232	3588.13241676277	92.89412336722805	98.9521632327448
89	14	83709	-312861.1413	86697.3170250766	32.49587602977556	-101.9037706	249426.156239963	4348636.56523173	3852.593171921					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
171	114	83791	-258741.1413	866977.3170250766	39.25247387881216	-101.7127531	265917.4340129007	4348302.258	3691.4054908394114	35.185.054068388664	3457.2930512383035	3463.8656694585204	30.76175480053598	54.1889409334602
172	114	83792	-258681.1413	866977.3170250766	39.252491487421255	-101.7042365	266118.5373249445	4348298.18904268	3690.550374420556	35.16167719532727	3459.733583131883	3464.7624725088025	50.4334264286445	50.4334264286445
173	114	83793	-258631.1413	866977.3170250766	39.2525068156621214	-101.6941168	266291.6404958953	4348293.4	3689.6017570447807	35.15313205	3460.359663830854	3467.013216001809	54.95545105162246	48.3019943571105
174	114	83794	-258761.1413	866977.3170250766	39.2525659995422	-101.700745	266520.3457595575	4348300.5126082	3688.699021409656	35.13309999	3461.4645027666227	3468.2068272446298	52.47429643	45.7285719036103
175	114	83795	-258610.1413	866977.3170250766	39.25254048367804	-101.7034349	266721.8458753327	4348285.98274304	3688.65977893074	35.125527443248284	3461.965307335469	3468.8285018123115	50.85743699	43.72424251251687
176	114	83796	-258441.1413	866977.3170250766	39.2525152240666	-101.7011054	266922.94628423017	4348281.91435462	3688.554205338015	35.11126856180452	3462.614530985791	3468.550754039591	54.6551483225416	42.61211177854141
177	114	83797	-258781.1413	866977.3170250766	39.25257891614008	-101.6987758	267124.1050442287096	4348277.786149352	3690.3043274861373	35.097690458160414	3463.452043454624	3468.8285018123115	50.85743699	43.72424251251687
178	114	83798	-25841.1413	866977.3170250766	39.25259684847828	-101.6864463	267325.1523514334	4348273.78131369	3691.126620334909	35.05813239670823	3463.371771	3469.4692053103493	44.999618341421195	39.160183102119716
179	114	83799	-253461.1413	866977.3170250766	39.252615968621214	-101.6841168	267526.25450151	4348269.17030053	3691.227551153361	35.05636937	3463.164987194576	3467.013216001809	54.95545105162246	48.3019943571105
180	114	83800	-252901.1413	866977.3170250766	39.25263082736883	-101.6917872	267727.3555197187	4348265.62567545	3690.67174390414	35.055365145681856	3462.7901184951227	3467.523139753619	42.7320271945629	37.539831710824365
181	114	83801	-252141.1413	866977.3170250766	39.25264811121155	-101.6884577	267928.45657877307	4348261.575200906	3689.676736745656	35.041525779157352	3462.683727103723	3466.745002225654	41.4688505238093	37.074809318868
182	114	83802	-251481.1413	866977.3170250766	39.252665209878096	-101.6871281	268129.5577691191	4348257.507930540	3688.3642087518	35.02736922046887	3461.935874564134	3467.7860168831	40.79733454273284	37.01823014
183	114	83803	-250821.1413	866977.3170250766	39.25268323639655	-101.6847986	268330.6585504248	4348251.480480273	3688.554208202104	35.013154495072235	3461.046897091247	3464.4927868091247	40.26855242	36.82285651674042
184	114	83804	-250161.1413	866977.3170250766	39.25269941240576	-101.682469	268531.7591028364	4348249.37952806	3687.54733944985	34.99987749584683	3460.0509274641	3460.0509274641	39.836182212027325	36.75803119142953
185	114	83805	-249501.1413	866977.3170250766	39.25271646176414	-101.6801395	268732.89964275276	4348245.207244375	3686.54114119479	34.98849903681993	3458.870225477479	3461.68125359043	39.79674908720335	36.7367499115618
186	114	83806	-248841.1413	866977.3170250766	39.25273343495110	-101.67781	268933.959221457	4348241.240723133	3685.534582089113	34.97030636982066	3457.59310758617	3460.245134422776	36.7587141700472	36.7587141700472
187	114	83807	-248181.1413	866977.3170250766	39.25275037873122	-101.6754804	269135.0598930371	4348237.174388949	3682.6920097852638	34.9554865240127	3458.135018174665	3459.16398655941	34.834227521925	36.3849525462404
188	114	83808	-247521.1413	866977.3170250766	39.25276728	-101.6731509	269336.150285151	4348231.102841817	3678.005519336365	34.9410616905323	3454.7832418300627	3457.6995500570346	39.3029275056245	36.3849525462404
189	114	83809	-246861.1413	866977.3170250766	39.25278413130379	-101.6708213	269537.258438789	4348229.420287732	3673.32097381711	34.921618231965503	3453.638140494007	3456.8997781801796	39.87888270254321	35.71709501583064
190	114	83810	-246201.1413	866977.3170250766	39.25280094003665	-101.6684198	269738.357632409	4348218.96783383	3668.6364595911384	34.91140073164748	3452.594362778592	3454.628332008058	38.45668031788282	34.6976831551693
191	114	83811	-245541.1413	866977.3170250766	39.25281707389375	-101.6661622	269934.956800205	4348210.9022668	3665.095498975287	34.898568776163155	3451.2117875360855	3456.73139812467	39.8258627229985	32.945464196658
192	114	83812	-244881.1413	866977.3170250766	39.25283424296939	-101.6638326	270104.55503916847	4348176.845532633	3662.689553505464	34.868171031404495	3450.348287732319	3457.842730773301	37.82174412623042	30.32864328448584
193	114	83813	-244221.1413	866977.3170250766	39.25285037130767	-101.6615319	270281.64311345	4348172.780311699	3661.9414744115514	34.8521762136359	3449.04649513322	3454.42417572017	34.82136539338	28.738115368317913
194	114	83814	-243561.1413	866977.3170250766	39.25286772531127	-101.6591735	270542.750267375	4348208.715	3657.82526796581	34.84179304809	3448.906975837542	3458.769920484987	32.7672112156655	26.4148010039126
195	114	83815	-242901.1413	866977.3170250766	39.25288439012556	-101.656884	270743.8501355505	4348204.6504877	3655.645467	34.83589695560854	3448.359751233499	3459.616721335624	32.9394432754549	24.07297404729161
196	114	83816	-242241.1413	866977.3170250766	39.25290084794304	-101.6545144	270944.9479579824	4348200.585797794	3653.623206407997	34.8219543426676	3447.775845816243	3460.6842374149837	34.411998063	21.5149902768384
197	114	83817	-241581.1413	866977.3170250766	39.25291734717669	-101.6521849	271146.0456	4348196.521338155	3651.60005410329924	34.80470494548744	3447.354639362973	3461.338832532235	33.3501559190134	19.3709112
198	114	83818	-240921.1413	866977.3170250766	39.25293377053942	-101.6498553	271347.142924565	4348192.457	3649.57684714899	34.79128696497173	3446.359730258847	3462.679399014894	32.85896624323594	16.53392749427867
199	114	83819	-240261.1413	866977.3170250766	39.25295037130767	-101.6475257	271548.24069911204	4348183.392967984	3647.570584251387	34.7729811632398	3445.920882262016	3461.68125359043	39.79674908720335	13.599294466279944
200	114	83820	-239601.1413	866977.3170250766	39.25296732539026	-101.6451952	271749.337	4348179.32903718	3645.914944115514	34.7672703291578	3444.94649513322	3464.608706728713	36.68910102021816	11.6520240815098
201	114	83821	-238941.1413	866977.3170250766	39.25298267098176	-101.6428666	271950.43368175137	4348180.26534715	3644.26444455677	34.747813912626303	3444.58225209145	3464.792821718853	26.8283936971582	10.207609007479034
202	114	83822	-238281.1413	866977.3170250766	39.25299913594919	-101.640537	272151.530205217	4348176.2018439	3638.344172473823	34.733693761514847	3444.71164084094	3462.673839208627	20.69537534179875	9.1657107845785
203	114	83823	-237621.1413	866977.3170250766	39.25301353979611	-101.6382075	272352.626493781	4348172.13847231	3635.705496291384	34.71939381327844	3444.318223966264	3460.154013694055	27.62115740657964	11.7853678633839
204	114	83824	-236961.1413	866977.3170250766	39.25303153864944	-101.6358779	272553.725126121	4348168.073181955	3634.1683901889977	34.70325691619154	3443.8527259620017	3457.874600719155	26.61090847236265	12.651090847236265
205	114	83825	-236301.1413	866977.3170250766	39.25304747	-101.6335483	272754.2745818	4348162.01250611	3630.952872113103	34.69819240776507	3445.34839855522	3455.44720691402	25.77558822125487	13.382777085104806
206	114	83826	-235641.1413	866977.3170250766	39.2530637130767	-101.631219	272955.9137399496	4348159.45	3628.633450037087	34.68774961949154	3444.94649513322	3454.42417572017	34.82136539338	12.3244557016142
207	114	83827	-234981.1413	866977.3170250766	39.25307980522081	-101.6288892	273157.020227565	4348155.887	3625.193921	34.6662386	3442.59728878696	3452.76523565214	23.7870066969388	12.7870066969388
208	114	83828	-234321.1413	866977.3170250766	39.2530958409912	-101.6265596	273358.1034470687	4348151.825670805	3620.6653132146275	34.66540395459675	3442.142055677126	3452.658492962519	22.9284976884163	12.3767461944684
209	114	83829	-233661.1413	866977.3170250766	39.25311175785921	-101.6242301	273559.192924946	4348147.6426	3616.136741208105	34.651242890637	3441.652142890637	3452.658492962519	22.9284976884163	12.3767461944684
210	114	83830	-233001.1413	866977.3170250766	39.25312766833066	-101.6219005	273760.2939176904	4348143.700321573	3611.6081510915823	34.64277632171157	3441.117694869217	3451.7914693659121	21.5983725193997	10.545971323620046
211	114	83831	-232341.1413	866977.3170250766	39.25314353071064	-101.6195709	273961.38839913294	4348138.64365649	3609.2799367149137	34.621067020253369	3440.1195472495467	3451.79502053983127	20.45944730789114	9.30779627030276
212	114	83832	-231681.1413	866977.3170250766	39.25315935955161	-101.6172413	274162.482597485	4348135.76805056	3608.1520981489955	34.5997674618916	3438.3514904973735	3450.215922457331	20.45944730789114	8.55180188460518
213	114	83833	-231021.1413	866977.3170250766	39.25317523059544	-101.6149127	274363.618444468	4348131.933243435	3607.035486955547	34.5819367269874	3437.946192724522	3449.144136936584	19.82136539338	7.382136936584
214	114	83834	-230361.1413	866977.3170250766	39.253190852365464	-101.6126282	274564.6783537206	4348127.450441255	3606.8942469951	34.5672035551241	3437.866935212541	3453.18372971687	19.3367037659602	6.401986021963141
215	114	83835	-229701.1413	866977.3170250766										

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfLatKlog.ft	SurfLatBoth.ft
287	114	83917	-175881.1413	866977.3170250766	39.25453399004217	-101.4192241	291254.6988473527	344779.017953919	3480.0065503661067	3304.638274077267	3320.118734730615	17.13450223223204	1.654941668884021
298	114	83918	-174821.1413	866977.3170250766	39.25453143913837	-101.4188841	291455.743570114	344779.97323646	3478.32364947036	3317.73420357137	3303.2222077384698	3318.0854825921665	1.685777787105036
299	114	83919	-174261.1413	866977.3170250766	39.25453433235957	-101.414648	291656.849616027	344779.82029363	3473.06097543216	3317.7846189082026	3300.533879472788	17.25252636204443	1.685777787105036
300	114	83920	-173601.1413	866977.3170250766	39.25437520233496	-101.4122551	291857.925310554	344777.882	3473.2185241473453	3315.81709859173	3298.584537020069	17.33172839570216	2.227657050690913
301	114	83921	-172941.1413	866977.3170250766	39.254380716433234	-101.4099055	292059.0005565725	344777.8432	3470.37608089155	3313.86130268526	3295.7273582489365	331.427254	18.13394444886933
302	114	83922	-172281.1413	866977.3170250766	39.25430875553705	-101.4075758	292260.075545651	344777.792	3467.533633515685	3311.92067865119	3293.2727289176	3308.421125593827	18.491740478942718
303	114	83923	-171621.1413	866977.3170250766	39.25441050964005	-101.4052462	292461.15033120895	344776.747049561	3464.0069391679763	3309.923628639167	3290.85122961671873	3306.164191056895	18.191133696729412
304	114	83924	-170961.1413	866977.3170250766	39.25442218874438	-101.4029165	292662.2249125376	344776.702550548	3459.79597498393	3308.476568689976	3288.46110339287	3301.1732274794	6.901340751991484
305	114	83925	-170301.1413	866977.3170250766	39.25443633235957	-101.400868	292863.299289853	344776.82029363	3458.585958988914	3306.165750839857	3286.105770217366	3287.58162013089636	18.491740478942718
306	114	83926	-169641.1413	866977.3170250766	39.25444541159584	-101.3982572	293064.3734633703	344754.61110057	3447.51411229214	3304.33248944173	3284.691347146023	3294.177889215776014	9.84535307
307	114	83927	-168881.1413	866977.3170250766	39.2544565606493	-101.3959276	293265.44744323606	344750.57110057	3448.6716233369233	3302.365939991793	3282.430047837156	3292.9700964516105	18.395446714810779
308	114	83928	-168231.1413	866977.3170250766	39.25446845517421	-101.3935979	293466.52119972184	344774.626412638	3447.476704317513	3300.47133969673	3280.202893243344	3280.127730393576	20.2684667204523
309	114	83929	-167611.1413	866977.3170250766	39.25447990928471	-101.3912582	293667.5948	344774.82842058	3446.28586255815	3308.579045093276	3277.6420441153186	3277.739498474	10.801305598584314
310	114	83930	-167001.1413	866977.3170250766	39.25449131393635	-101.3889386	293868.6812330164	344773.94946024	3447.0070662146	3296.6882	3274.4877421701353	3285.1575024165136	11.5307393967633
311	114	83931	-166341.1413	866977.3170250766	39.2545026250914	-101.386808	294069.741	344773.396210716	3443.407846677392	3294.79303333395	3272.936304022043	3282.54132591824	12.8627393115671
312	114	83932	-165681.1413	866977.3170250766	39.25451400162307	-101.3847793	294270.8142337271	344773.40292363	3443.06097543216	3292.910262017635	3271.5394950520737	3282.840812282517	11.5307393967633
313	114	83933	-165021.1413	866977.3170250766	39.25452527572808	-101.3819498	294471.8898982694	344772.301347913	3443.0836083467	3291.0218373683457	3269.3656961192455	3280.3942258685	11.5307393967633
314	114	83934	-164361.1413	866977.3170250766	39.25453605485194	-101.3796199	294672.959538638	344772.267799181	3438.89646703274	3289.131623	3267.611278752295	3277.912339692324	11.5307393967633
315	114	83935	-163701.1413	866977.3170250766	39.25454768897133	-101.3772903	294874.03188704104	344771.235247513	3433.85022034577	3287.2394312613474	3265.511542391323	3276.023961171791	11.5307393967633
316	114	83936	-163041.1413	866977.3170250766	39.254558280896	-101.3749606	295075.1043307656	344771.12802426	3429.9213011888568	3285.3452033148283	3262.6643836911057	3273.1709631	12.2355718169402
317	114	83937	-162381.1413	866977.3170250766	39.2545699220875	-101.3726309	295276.179875775	344771.141003187	3425.99596342636	3283.48863660244	3260.68706551675	3272.6106121639812	12.76747914368915
318	114	83938	-161721.1413	866977.3170250766	39.25458091122897	-101.3703013	295467.7742724828	344770.09110033	3422.06884794513	3281.55055409134	3259.038614961896	3267.928345	13.62220532527407
319	114	83939	-161061.1413	866977.3170250766	39.25459221221013	-101.367896	295682.29221207157	344769.521308281	3417.73582530205	3279.58923654005	3257.4549192724	3271.751411163748	12.8627393115671
320	114	83940	-160401.1413	866977.3170250766	39.254602934572304	-101.3654918	295879.390066952	344769.015819435	3420.528170940305	3277.75872253123	3255.307567995216	3264.293181404936	13.465591203139411
321	114	83941	-159741.1413	866977.3170250766	39.25461348849385	-101.3633123	296080.461747591	344768.974549931	3420.528170940305	3275.8641701224514	3253.75861951025552	3261.9050961984035	13.9509789041492
322	114	83942	-159081.1413	866977.3170250766	39.25462471871937	-101.3609826	296281.532687954	344768.93398095	3420.491199150168	3273.9649071323825	3251.663407205121	3259.52437331488	14.05209992761382
323	114	83943	-158421.1413	866977.3170250766	39.2546355194425	-101.3586529	296482.60342798964	344768.93452415	3420.422711043616	3272.073904865157	3250.308090960043	3255.347195665519	14.4353802909675
324	114	83944	-157761.1413	866977.3170250766	39.25464632170002	-101.3563233	296683.67396719017	344768.81568424	3418.8022384308	3270.1783525691	3249.0373182770495	3253.4600797247314	16.71744482159588
325	114	83945	-157101.1413	866977.3170250766	39.25465707	-101.3539836	296868.7448	344768.71106735	3416.828647410358	3268.262477113628	3246.9991231056783	3251.74326724708	17.13450223223204
326	114	83946	-156441.1413	866977.3170250766	39.2546677170250766	-101.3516363	297085.6144817747	344768.77096198	3415.737796198	3266.57756585194	3245.01731969848	3241.70526585194	17.7736869075337
327	114	83947	-155781.1413	866977.3170250766	39.25467873845227	-101.3493343	297286.8843898485	344766.73044115	3413.9434181699435	3264.46208	3243.268548127889	3245.636901404644	17.7736869075337
328	114	83948	-155121.1413	866977.3170250766	39.25468898758132	-101.3470046	297487.95413041825	344766.6840611369	3412.330830438125	3262.56341624934	3240.867809971704	3242.567276348701	17.7736869075337
329	114	83949	-154561.1413	866977.3170250766	39.25469954171113	-101.3446749	297689.026779015	344766.65064622	3410.71343207224	3260.634155421725	3238.465385174385	3239.4528193362653	17.7736869075337
330	114	83950	-153801.1413	866977.3170250766	39.25471005084168	-101.3423452	297890.030162672	344766.61003632	3408.10385619112	3258.717142026217	3236.10311455746	3237.2623280877	17.7736869075337
331	114	83951	-153141.1413	866977.3170250766	39.25472051497815	-101.3400196	298091.16262100817	344765.571	3408.21599653606	3256.785477391783	3233.798705796588	3232.68212018126	17.7736869075337
332	114	83952	-152481.1413	866977.3170250766	39.25473093411013	-101.337698	298292.221207157	344765.521308281	3406.218765371	3254.9494530205	3232.4549192724	3231.751411163748	17.7736869075337
333	114	83953	-151821.1413	866977.3170250766	39.2547413082481	-101.3353562	298483.2995534546	344765.49303451	3404.399446456255	3230.290922027875	3231.396513268012	3230.180540392927	17.7736869075337
334	114	83954	-151161.1413	866977.3170250766	39.254751637376145	-101.3330265	298694.36805302	344764.54118578	3402.770526050453	3230.962188	3226.658573496907	3226.59039099246	17.7736869075337
335	114	83955	-150501.1413	866977.3170250766	39.254761921510116	-101.3306989	298895.43865739057	344764.51387656	3405.165588837657	3229.019598941797	3224.558338342878	3220.569084711114	17.7736869075337
336	114	83956	-149841.1413	866977.3170250766	39.2547721606447	-101.3283672	299096.5050118164	344763.73842682	3400.2068006012802	3247.05479273333	3222.420923261956	3212.6099393482484	17.7736869075337
337	114	83957	-149181.1413	866977.3170250766	39.254783357480005	-101.3260375	299297.57269878414	344762.93848645	3395.24801123667	3245.0990481178512	3220.34814278816	3214.78488441535	17.7736869075337
338	114	83958	-148521.1413	866977.3170250766	39.254792503915985	-101.3237078	299498.640724848	344762.90301536	3390.289220441128	3243.13765133078	3218.239633936552	3215.84634034154	17.7736869075337
339	114	83959	-147861.1413	866977.3170250766	39.254803219212255	-101.3213781	299700.22911627	344762.87016984	3387.428192169826	3241.91367745719	3216.3999232986145	3214.78488441535	17.7736869075337
340	114	83960	-147201.1413	866977.3170250766	39.25481267	-101.3190485	299900.775659899	344761.724522606	3380.3499446456255	3239.20922027875	3213.396513268012	3212.609540392927	17.7736869075337
341	114	83961	-146541.1413	866977.3170250766	39.254826281326964	-101.3167188	300101.8428621768	344761.18806695	3375.37618917813	3237.24643341318	3217.178095319668	3210.8713869746	17.7736869075337
342	114	83962	-145881.1413	866977.3170250766	39.25483265	-101.3143891	300302.9097983017	344760.914477221	3365.283630475813	3235.26304475813	3209.522975797205	3206.306534749346	17.7736869075337
343	114	83963	-145221.1413	866977.3170250766	39.25484257460322	-101.3120594	300503.97654547	344760.91223369	3360.220464672237	3233.3197551935696	3207.179219082854	3198.465385174385	17.7736869075337
344	114	83964	-144561.1413	866977.3170250766	39.25485425	-101.3097297	300741.031595824	344760.9175937	3362.829267	3231.36611306938	3204.798297722687	3196.76508580871	17.7736869075337
345	114	83965	-143901.14										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SatT4hBotKrg.ft	SatT4hBotKrg.ft
423	14	84043	-92421.14133	86697.3170250766	39.25549070578905	-101.125683	316588.7012725676	4342782.73432086	328.0899464784193	3058.3491842880717	3035.444138871898	3035.4539785657444	22.905045416173834	22.895205403274298
424	14	84044	-91761.14133	86697.3170250766	39.25546694811507	-101.125353	317678.75253537805	4347276.712	322.41439781881234	3056.0813787498705	3031.9136519340416	3041.9465415828952	24.134824271288835	24.134824271288835
425	14	84045	-91101.14133	86697.3170250766	39.2555331926365	-101.121036	316890.8041678005	4347244.68	328.738773097327	3053.5281978824816	3038.63761665896	3038.783781665896	25.0518181584037	25.0518181584037
426	14	84046	-90441.14133	86697.3170250766	39.25550940815944	-101.116383	317189.8542529259	434707.668294962	321.063186407531	3051.5890316450464	3035.39363213041	3026.056703991266	25.532326753024052	25.532326753024052
427	14	84047	-89781.14133	86697.3170250766	39.25551555228072	-101.1163641	317392.9064808415	4347266.64639049	321.875962397357	3049.363563728795	3023.439613029337	3023.802482437378	25.92374425861166	25.5611335405666
428	14	84048	-89121.14133	86697.3170250766	39.25551622614015	-101.1140344	317593.95742943023	4347265.62121351	3047.15445278801	3047.15445278801	3023.6203694	3023.6203694	25.92374425861166	25.5611335405666
429	14	84049	-88461.14133	86697.3170250766	39.25552770552158	-101.117047	317795.08	4347258.603834863	304.9628033964552	3044.9628033964552	3023.26634189407	3023.26634189407	25.92374425861166	25.5611335405666
430	14	84050	-87801.14133	86697.3170250766	39.2555337	-101.1093749	317795.08	4347254.582737354	302.804349049681	3042.765840461173	3018.725971915274	3018.70586938934757	24.04906873269711	24.04906873269711
431	14	84051	-87141.14133	86697.3170250766	39.255539765918	-101.107495	318197.1087628929	4347249.68	308.9106815687481	3053.5281978824816	3038.63761665896	3038.783781665896	25.0518181584037	25.0518181584037
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433	14	84053	-85821.14133	86697.3170250766	39.25555147195345	-101.1023858	318998.2088512609	4347242.5004034	304.719485	3035.59889285636	3008.3047430245917	3009.04324305917	27.9543433858486	27.2163847819073
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435	14	84055	-84501.14133	86697.3170250766	39.25556309	-100.997263	319001.3802282541	4347230.48000472	300.31820207488	3031.978977135604	3002.874932	3002.874932	29.10240425865044	29.3478437846293
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466	14	84086	-64041.14133	86697.3170250766	39.25572007230004	-100.9255046	325233.7590055051	4347109.946	3192.67768116312	2988.049229	2989.8514683631	2990.750892602477	29.42257854610012	29.42257854610012
467	14	84087	-63381.14133	86697.3170250766	39.2557241638169	-100.9231748	325434.8031178033	4347105.932106514	3191.484303205297	2978.411377454				

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRrElevLogKrg.f	BRrElevBothKrg.f	SaTbH1.f	SaTbBoth.f
548	114	84169	-9.621.141327	86697.7170250766	39.55592749143164	-100.8321356	34191.8522462596	34677.7391955027	3030.516942821107	214.2537091481086	2851.677567854903	2851.8056231365217	62.57611429120566	62.44808860956886
550	114	84170	-9.601.141327	86697.7170250766	39.5559281	-100.8298058	34210.88281173537	34673.392781252	3028.025489432106	213.2088413930157	2848.984741533817	2848.1962897040964	64.02109516362516	64.0109516362516
551	114	84171	-9.581.141327	86697.7170250766	39.555928645355785	-100.8274761	34231.913227463	34678.39383961871	3025.3234581194313	2912.200177789866	2846.016593381455	2846.5287562321455	66.1254051980722	66.1254051980722
552	114	84172	-7.281.141327	86697.7170250766	39.555929183315494	-100.8251463	34252.9438499444	34676.3953927844	3012.0296080516	2911.060027328445	2847.295808394347	2843.7454416970545	68.32041828921035	67.3145653159054
553	114	84173	-6.621.141327	86697.7170250766	39.555929652773605	-100.8228165	34273.9735990502	34676.3913073087	3019.51151501581	2909.951918910533	2839.059655116696	2840.68868968267	70.8919634	69.26224904227186
554	114	84174	-5.961.141327	86697.7170250766	39.55593006623015	-100.8204868	342925.033551631	34675.398813087	3016.610401426214	2908.96132649253	2834.966055089624	2834.69665554478	73.94849714030078	71.48744790478524
555	114	84175	-5.301.141327	86697.7170250766	39.5559304018509	-100.818157	343126.03338488	34675.431	3014.025888027	2907.64806929735	2830.9201741900356	2834.1200439879994	76.7263544	73.5263544
556	114	84176	-4.641.141327	86697.7170250766	39.55593089138476	-100.8158273	343327.036093027	34674.492065482	3011.776352348007	2906.4360784428254	2828.1113096942632	2832.6702830580475	78.764774859913	73.76579464
557	114	84177	-3.981.141327	86697.7170250766	39.555931103090276	-100.8134875	343528.952507987	34675.405317922	3008.527045875652	2905.1782628987367	2827.429651481105	2833.256308984578	77.48980694626215	71.816238416306
558	114	84178	-3.321.141327	86697.7170250766	39.55593135204049	-100.811678	343723.1218578957	34674.4107465401	3007.277745875652	2903.8714962332	2827.9614271752044	2834.2927153319257	75.9106706	69.6421208435935
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561	114	84181	-1.341.141327	86697.7170250766	39.5559318888163	-100.8041785	344323.2088813751	34673.414568892	3000.135553291331	2899.736952360433	2831.3934992871287	2835.700186020052	68.30219594751564	63.9835319544303812
562	114	84182	-0.681.1413269	86697.7170250766	39.55593198725567	-100.8018488	344533.272092315	34672.414982405	2997.7284946680157	2896.289289304576	2832.061541228213	2835.2550086	65.8877478	63.01843430996184
563	114	84183	-0.111.14132693	86697.7170250766	39.55593191276781	-100.799519	344734.2683	34674.414923993	2996.725708023897	2896.803129862868	2833.155952995959	2834.21708484982154	63.6371629	62.58004491347069
564	114	84184	0.38.858673073351	86697.7170250766	39.55593190070852	-100.7971893	344935.2947467565	34677.142604302	2997.1261607721544	2895.3174831237643	2832.75119871691	2833.301181518439	62.56628404977332	61.9873016053253
565	114	84185	1.298.8586730733514	86697.7170250766	39.55593183464764	-100.7945895	345136.3203349127	34677.1430765749	2997.5269570411916	2893.815598160055	2831.97817577272	2832.064128219678	61.8354205827922	61.749496191386906
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572	114	84192	5.918.858673073351	86697.7170250766	39.5559301	-100.7785513	346543.516389747	34668.462994449	2992.69043380963	2882.74103431589	2821.867163740946	2821.35150257738	60.8569730064276	61.40898273855388
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574	114	84194	7.238.858673073351	86697.7170250766	39.5559291502655	-100.7738918	346945.570644486	34667.474375795	2990.7599571513842	2879.3562267336965	2821.395116392126	2821.71156288409	60.661110342157047	67.18466404528772
575	114	84195	7.898.858673073351	86697.7170250766	39.5559288995188	-100.771562	347146.5975505322	34667.47914145	2988.7637103579573	2877.6307103579573	2820.552233133393	2820.295851083274	60.9847172	70.3408542462969
576	114	84196	8.558.858673073351	86697.7170250766	39.55592813787361	-100.7692323	347347.6242971305	34666.948491078	2978.423671781126	2875.893647014548	2820.021446114813	2820.8957832329453	72.8720279572966	72.9977077703636
577	114	84197	9.218.858673073351	86697.7170250766	39.55592751739345	-100.7668928	347548.598	34666.948491078	2974.1287043876957	2874.1287043876957	2820.021446114813	2820.8957832329453	75.1185127595643	75.1185127595643
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582	114	84202	12.518.858673073351	86697.7170250766	39.55592382637089	-100.7552527	348553.78104297083	34666.948491078	2966.73677359125	2864.94575992125	2820.021446114813	2820.8957832329453	86.7285477020827	72.152190330058
583	114	84203	13.178.858673073351	86697.7170250766	39.5559225026113	-100.752924	348754.8068513986	34666.948491078	2966.03819	2863.038845590615	2820.021446114813	2820.8957832329453	88.74079954160295	70.1775428135985
584	114	84204	13.838.858673073351	86697.7170250766	39.5559219219077	-100.7505942	348958.59489	34666.948491078	2965.121438669	2861.111438669	2820.021446114813	2820.8957832329453	90.755374008367	68.2548114435385
585	114	84205	14.498.858673073351	86697.7170250766	39.55592106309835	-100.748245	349158.562749104	34666.948491078	2964.2922712301853	2859.13585979797	2820.021446114813	2820.8957832329453	92.7662480172	69.4062139808771
586	114	84206	15.158.858673073351	86697.7170250766	39.5559205200439	-100.7459347	349357.8829640767	34666.948491078	2963.491189428	2857.17517537319	2820.021446114813	2820.8957832329453	94.77066532279864	64.34785525
587	114	84207	15.818.858673073351	86697.7170250766	39.5559198598084	-100.743605	349558.9801867043	34666.948491078	2962.734010782895	2856.129676585205	2820.021446114813	2820.8957832329453	96.7553739691	65.7839089105046
588	114	84208	16.478.858673073351	86697.7170250766	39.55591784811116	-100.7412752	349759.932594333	34666.948491078	2961.236367562425	2853.1469954023124	2820.021446114813	2820.8957832329453	98.72456301720144	62.9456032917044
589	114	84209	17.138.858673073351	86697.7170250766	39.555916748712515	-100.7389459	349960.95732524263	34666.948491078	2960.738742547963	2851.09712341275	2820.021446114813	2820.8957832329453	100.7553739691	65.7839089105046
590	114	84210	17.798.858673073351	86697.7170250766	39.55591556751227	-100.7366157	350161.981031047	34666.948491078	2954.241081340497	2849.021307581235	2820.021446114813	2820.8957832329453	102.7425117595970147	54.725117595970147
591	114	84211	18.458.858673073351	86697.7170250766	39.555914304071047	-100.7343262	350368.9036351763	34666.948491078	2953.04717455617	2848.021446114813	2820.021446114813	2820.8957832329453	104.7425117595970147	54.725117595970147
592	114	84212	19.118.858673073351	86697.7170250766	39.555913040047104	-100.7320376	350576.054792333	34666.948491078	2951.84359471918	2847.				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	WLTs	BRIEVELogKgr.f	BRIEVEat22h.f	SatThkLog.f	SatThkBoth.f	
675	14	84295	73898.85867307335	86697.7170250766	39.25564893381434	-105.3589578	367248.5612821356	3436274.973830943	2836.6495951258636	27.05.031693720896	2664.618635451362	2662.4222268193	40.413583575984	42.58947104070323
676	14	84296	74588.85867307335	86697.7170250766	39.255644772614865	-105.356257	367449.5710966547	3436270.59789366	2840.361416906385	2662.0370830393917	2660.256035150397	261.5371366995404	43.308111339	43.308111339
677	14	84297	75218.85867307335	86697.7170250766	39.25563668397265	-105.35338	367669.5868	3436270.59789366	2838.74401060193	2672.084393561606	2658.546211530945	43.39132332789525	43.65786395244744	43.65786395244744
678	14	84298	75878.85867307335	86697.7170250766	39.25563545117863	-105.351383	367881.59938151005	3436263.046547309	2835.296602	2700.624616905404	2653.449175304886	2653.494232077277	47.18444106701476	47.1312187
679	14	84299	76538.85867307335	86697.7170250766	39.25562931895886	-105.3529268	368052.611826235	3436259.073009212	2836.5738637902624	2699.155405269876	2648.2936421313348	2648.0512542281374	50.8617631384139	51.10415104173671
680	14	84300	77198.85867307335	86697.7170250766	39.255623977738325	-105.3526938	368253.6241437675	36825.57910202633	2837.683021408247	2644.029867310024	2648.0512542281374	2648.0512542281374	53.8008091	53.8008091
681	14	84301	77858.85867307335	86697.7170250766	39.25561879151667	-105.3524691	368454.6353431296	3436251.12373538	2845.584584230987	2696.2045685863827	2644.4387207407016	2643.750169189176	51.76588541168176	52.549349694765034
682	14	84302	78518.85867307335	86697.7170250766	39.25561346029402	-105.3522793	368654.6839807614	3436247.14660138	2848.589754540395	2694.73498625742	2644.989908220976	2643.9431714292934	54.0490404766314	50.7917766831478
683	14	84303	79178.85867307335	86697.7170250766	39.25560860407575	-105.3519496	368865.6602826126	3436243.5481629856	2848.589754540395	2694.73498625742	2644.989908220976	2643.9431714292934	54.0490404766314	50.7917766831478
684	14	84304	79838.85867307335	86697.7170250766	39.25560286254578	-105.3517619	369077.6721407296	3436239.1791487414	2842.713274038514	2691.784163159454	2645.319521039959	2642.4713844553793	46.4646211594978	46.3657707407448
685	14	84305	80484.85867307335	86697.7170250766	39.255597	-105.3512901	369258.6838307711	3436235.223667955	2839.790568118095	2690.307186993247	2645.3853636374575	2640.114215903697	49.1165005078987	50.1917638028763
686	14	84306	81158.85867307335	86697.7170250766	39.2555916533939	-105.3512904	369459.695389387	3436231.249707138	2836.8683429538	2688.828818054048	2645.7071729275786	2643.2907749689402	43.12164512628215	43.5843808100526
687	14	84307	81818.85867307335	86697.7170250766	39.25558912916621	-105.3510637	369660.7068223177	3436227.257916981	2847.239530315627	2687.36989184697	2645.3853636374575	2640.95210407293	51.9643452190214	51.9643452190214
688	14	84308	82478.85867307335	86697.7170250766	39.25558052783745	-105.3503939	369861.7181296641	3436223.30232061	2848.0571221689027	2685.869747544433	2647.271633070573	2641.688318769822	53.9658474359982	54.14128747610595
689	14	84309	83138.85867307335	86697.7170250766	39.25557488170854	-105.3509172	370062.7293117015	3436219.32890403	2846.07905025737	2684.39213686071	2647.4444309393978	2647.4444309393978	56.9477059667303	43.3140222
690	14	84310	83798.85867307335	86697.7170250766	39.25556919047831	-105.3506415	370263.740368573	3436215.355671139	2850.9068943621198	2682.81138718916	2646.534027333292	2642.052809481102	60.38374847963496	40.8656118518141
691	14	84311	84458.85867307335	86697.7170250766	39.25556345424721	-105.3501317	370464.75130050484	3436211.38262455	2852.014147162394	2681.49080191826	2644.18387677938	2640.4402781419576	57.26520951388784	42.0982040686336
692	14	84312	85118.85867307335	86697.7170250766	39.25555737031522	-105.349982	370665.7621707016	3436207.409754339	2850.988164263966	2679.964695539695	2640.99277655207	2637.7683757252344	59.19188448314	41.216318784705
693	14	84313	85778.85867307335	86697.7170250766	39.255551846782334	-105.3496623	370866.772	3436203.437	2849.56758960399	2678.52687307928	2637.061221865387	2634.259991132613	41.46465121385927	44.2658194596661
694	14	84314	86438.85867307335	86697.7170250766	39.25554597554859	-105.3494322	371067.7834870643	3436199.464586989	2846.15614954401	2677.071323519532	2633.009339459253	2630.349625115261	46.3872138005056	46.3762218810014
695	14	84315	87098.85867307335	86697.7170250766	39.25554006931403	-105.3491928	371268.787928294	3436195.49225074	2846.1880758968775	2675.627318233191	2630.087070986442	2627.071706921754	45.3369092674927	48.5566131143668
696	14	84316	87758.85867307335	86697.7170250766	39.2555340807859	-105.3490631	371469.804932282	3436191.50115367	2845.76833685710	2674.18736388573	2629.70546399437	2623.729569341413	48.9459404766314	50.4951045471957
697	14	84317	88418.85867307335	86697.7170250766	39.25552809184235	-105.3487947	371680.845812817	3436187.5481629856	2845.76833685710	2674.18736388573	2629.70546399437	2623.729569341413	51.7831527561	51.7831527561
698	14	84318	89078.85867307335	86697.7170250766	39.25552204065026	-105.3485037	371871.8234282679	3436183.7639454	2838.706715892373	2671.335908782753	2619.04831763585	2617.215978294257	52.82735344200455	54.11992163344621
699	14	84319	89738.85867307335	86697.7170250766	39.25551554637374	-105.3482679	372074.8342826769	3436179.64860286	2836.537813628134	2669.922568337276	2616.283255198266	2614.529916082581	53.68350356754156	55.29370795114945
700	14	84320	90398.85867307335	86697.7170250766	39.25550903128675	-105.3480342	372274.80493935024	3436175.6340361	2834.694904905515	2668.518748785218	2612.96871327064	2611.934345356285	55.5503046	56.584023393316
701	14	84321	90938.85867307335	86697.7170250766	39.25550361888923	-105.3478015	372474.85379314754	3436172.86128231	2832.854105045972	2667.12681197528	2611.205314470086	2609.798644773433	55.9503677422414	57.4153067201842
702	14	84322	91738.85867307335	86697.7170250766	39.25549738546984	-105.3475648	372675.863362482	3436167.091144417	2831.013260018387	2665.70478892014	2608.466280896925	2607.68937305275124	57.2745006204151	58.05171392524151
703	14	84323	92378.85867307335	86697.7170250766	39.25549109470797	-105.3473355	372876.8782128644	3436163.22693935	2828.175322466587	2664.267138719244	2606.548383386347	2606.548383386347	58.1981958	58.1981958
704	14	84324	93038.85867307335	86697.7170250766	39.255484717007149	-105.3471007149	373077.881120219	3436159.74917149	2826.120856111021	2655.03611387189	2601.831470782987	2601.831470782987	59.0448038416789	60.040393730966
705	14	84325	93698.85867307335	86697.7170250766	39.25547842192376	-105.3468956	373278.8913344684	3436155.791721793	2825.055253352671	2661.652918194757	2602.334055181915	2602.442717690456	59.3185126765566	59.205465157158
706	14	84326	94358.85867307335	86697.7170250766	39.25547201068056	-105.3466359	373479.900425588	3436151.808821281	2816.670127873736	2660.3121567857065	2600.639651760482	2600.2702640337	60.0328972	60.0328972
707	14	84327	95018.85867307335	86697.7170250766	39.2554655443661	-105.3464031	373680.9308568704	3436147.8389759	2814.360811433603	2658.98122167385	2598.53528433936	2598.117163960204	60.9385278200237	61.78934602701613
708	14	84328	95678.85867307335	86697.7170250766	39.25545905	-105.3461704	373881.9182	3436143.68875745	2813.57416677548	2657.65849582819	2596.2268076686787	2595.368639410166	61.43421191401475	61.8635681802244
709	14	84329	96338.85867307335	86697.7170250766	39.25545295045696	-105.3459377	374082.926843706	3436139.89898705	2812.7592612211375	2656.343711464845	2594.07902700292	2593.967169947514	62.7050017045314	62.5664488925045
710	14	84330	96998.85867307335	86697.7170250766	39.25544613444386	-105.3456976	374293.935402927	3436135.9242468	2811.00856111021	2655.03611387189	2591.831470782987	2591.831470782987	63.1048048016789	63.1048048016789
711	14	84331	97658.85867307335	86697.7170250766	39.25543927945045	-105.3454713	374484.9041694427	3436131.96031029	2808.70081975984	2590.328846	2590.19132941919	2589.05825126651	63.54635841847829	63.54635841847829
712	14	84332	98318.85867307335	86697.7170250766	39.255432598206745	-105.3452375	374685.952374181	3436127.99021376	2806.173134562324	2652.4423645852	2588.96845	2588.96845	63.4793618720077	63.4869787821028
713	14	84333	98978.85867307335	86697.7170250766	39.25542587195881	-105.3450057	374886.960674557	3436124.021794505	2805.155386845266	2588.050866053444	2588.118834524579	26.1043992812717	62.0384531404753	62.0384531404753
714	14	84334	99638.85867307335	86697.7170250766	39.25541910071025	-105.3447721	375087.9687222064	3436120.05256042	2798.915257	2649.874322199347	2590.021659848827	2590.166025785523	59.0798621382397	59.0798621382397
715	14	84335	100298.85867307335	86697.7170250766	39.25541224464104	-105.3445384	375288.9787170386	3436116.08428905	2797.145376782802	2648.5984053185737	2591.5005119194724	2591.5005119194724	60.9157863259337	62.72970412381126
716	14	84336	100958.85867307335	86697.7170250766	39.25540542370785	-105.3443087	375489.964919137	3436112.11580492	2797.145376782802	2648.5984053185737	2591.5005119194724	2591.5005119194724	61.5435052691136	62.8635486031297
717	14	84337	101618.85867307335	86697.7170250766	39.25540019618746	-105.3440629	375690.974517831	3436108.13843	2795.81494511824	2647.0845119194724	2590.021659848827	2590.021659848827	62.72970412381126	62.72970412381126
718	14	84338	102278.85867307335	86697.7170250766	39.25539156570525	-105.3438492	375892.0003317304	3436104.37390928	2794.7003492194724	2646.704451216833				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKg.ft	BREIEvBothKg.ft	SatThLog.ft	SatThBoth.ft
61	15	84421	-333141.1413	867637.3170250766	39.5250737	-101.9690231	24378.7088344233	4348952.29573091	3891.935198883095	3689.758113984459	3630.407737795576	3638.5245344510945	68.35038120489617	60.23379593339626
62	15	84422	-330681.1413	867637.3170250766	39.52509626992319	-101.9668367	24399.03872273908	4348948.206	3886.3675100411965	3685.363162394967	3629.235848233772	3637.58936868571	67.59731416	59.24717200815884
63	15	84423	-330261.1413	867637.3170250766	39.52511879344964	-101.9643462	24400.29658673276	4348944.115877895	3884.086724587772	3684.93366117691	3627.215136829998	3639.933766783814	67.5787303721352	58.933333389052
64	15	84424	-329361.1413	867637.3170250766	39.5251417198285	-101.9620348	24409.59374055483	4348940.02623358	3879.1304861154654	3693.052453859835	3635.836461044545	3635.058765527844	67.561428140896	57.99418973307911
65	15	84425	-328701.1413	867637.3170250766	39.52516370552452	-101.9597053	24460.3266564772	4348935.36777293	3874.1616987322115	3861.18698386556	3623.7505047231438	3631.3431402120996	67.43643744242265	59.8483653646659
66	15	84426	-328041.1413	867637.3170250766	39.5251660047402	-101.9573759	24480.35543534956	4348931.847591013	3869.129031344819	3689.3291732717753	3620.8853950679563	3629.371875	67.46431366382004	59.957284267125265
67	15	84427	-327381.1413	867637.3170250766	39.522208437631374	-101.9550544	24500.5483683841	4348927.76843175	3868.4446260428045	3847.4936231013	3617.6027927406817	3626.9880858852327	67.49271434921584	60.48685354786858
68	15	84428	-326781.1413	867637.3170250766	39.522230736196445	-101.9527169	245206.6121387831	4348923.659937169	3871.916521366148	3685.619852618664	3614.1904235345438	3617.52885801820673	67.4294732732263	62.0713508411918
69	15	84429	-326061.1413	867637.3170250766	39.52252689766204	-101.9503875	245407.74015675295	4348919.588833326	3875.38852684812	3684.986724587772	3619.04313629998	3619.2247687070185	67.371733346	64.53855407834861
70	15	84430	-325401.1413	867637.3170250766	39.5227519834967	-101.948059	245608.86792249174	4348915.492371518	3861.8905228122017	3881.9631592115646	3607.94422457564	3615.492457709128	73.507737539223	66.4007150243855
71	15	84431	-324741.1413	867637.3170250766	39.5227639163776	-101.9457288	245809.9543621315	4348910.43089804	3880.9005360350007	3680.155392251854	3604.86760553732	3612.4075615684	73.4838467145224	67.6084086035904
72	15	84432	-324081.1413	867637.3170250766	39.52319480533465	-101.9433991	246011.1226981147	4348907.31850158	3881.52569042374	3678.1247609542374	3602.044507904041	3613.9592977090647	76.08025386019654	64.16546234517276
73	15	84433	-323421.1413	867637.3170250766	39.52341551436684	-101.9410696	246122.24978041434	4348903.27898566	3882.144088817038	3676.218522050469	3599.370327634419	3614.5243660303047	78.84819484	67.61461560280191
74	15	84434	-322761.1413	867637.3170250766	39.523638275836	-101.9387402	246413.3766728347	4348899.140132994	3882.763115074057	3674.294678338925	3597.0396463183697	3614.788958359367	77.25502031552283	59.5057197996633
75	15	84435	-322101.1413	867637.3170250766	39.5238595637653	-101.9364107	246814.503749771	4348895.05267498	3881.9540478404153	3672.568890146174	3594.524105103222	3617.52885801820673	77.25502031552283	59.5057197996633
76	15	84436	-321441.1413	867637.3170250766	39.5240750202154	-101.9340482	246815.6283167364	4348890.96170041	3879.716884841536	3670.385404555091	3591.672906149956	3613.114520236817	78.7127420594571	57.27113830247226
77	15	84437	-320781.1413	867637.3170250766	39.5242398836512	-101.9317518	247016.7553758214	4348886.87709012	3877.477973	3668.3973928338874	3589.000172040263	3617.2968225811602	79.3913756298108	51.97075202277211
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogKgr.ft	BREIEVLothKgr.ft	AshtHtKgr.ft	SatHtBoth.ft
187	185	84547	-248181.1413	867637.3170250766	39.25456309420046	-101.6759022	269139.1319034747	3484838.432371367	3687.0577431658483	3595.160442941867	3447.093309504623	3449.6746353964836	34.06713343724414	45.48580745338352
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228	185	84588	-221121.1413	867637.3170250766	39.25521897954467	-101.5799874	277384.034014545	3483271.865	3576.430967308004	3440.970466500504	3428.258410553563	3437.6705091301	17.2161959460826	6.259401348742416
229	185	84589	-220461.1413	867637.3170250766	39.255234073368721	-101.5776812	277589.6176895294	3483267.489499784	3574.428141122	3440.970466500504	3428.258410553563	3437.6705091301	17.2161959460826	6.259401348742416
230	185	84590	-219801.1413	867637.3170250766	39.25524904319178	-101.5753921	277786.204869071	3483263.74361158	3569.387492950305	3438.83091427446	3427.57616416643	3435.3791320303	10.2547268100327	3.65114717029289
231	185													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRWBothKgr.ft	SurfBothKgr.ft	SurfBothKgr.ft
313	ix	84673	-165021.1413	867637.3172025076	39.256337981574295	-101.3819641	294475.934821111	3474927.5416962495	3437.3642071475174	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616
314	ix	84674	-163401.1413	867637.3172025076	39.25634918097604	-101.3796343	294877.0073385152	3437.3642071475174	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
315	ix	84675	-163701.1413	867637.3172025076	39.25636038657774	-101.3773406	294878.078	3437.3642071475174	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
316	ix	84676	-163041.1413	867637.3172025076	39.25637150477928	-101.374749	295079.1515404816	347491.4154	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
317	ix	84677	-162381.1413	867637.3172025076	39.256382599187004	-101.3724552	295280.2231959833	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
318	ix	84678	-161721.1413	867637.3172025076	39.25639364858199	-101.3703154	295481.2947455737	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
319	ix	84679	-161061.1413	867637.3172025076	39.25640465	-101.3679857	295682.3661	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
320	ix	84680	-160401.1413	867637.3172025076	39.25641156123939	-101.365656	295883.4327153484	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
321	ix	84681	-159741.1413	867637.3172025076	39.25642653	-101.3633263	296084.5081861869	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
322	ix	84682	-159081.1413	867637.3172025076	39.256437396185184	-101.3609963	296285.5783657275	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
323	ix	84683	-158421.1413	867637.3172025076	39.2564482056542	-101.3586668	296486.649480509	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
324	ix	84684	-157761.1413	867637.3172025076	39.2564598998633	-101.3563371	296687.719626324	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
325	ix	84685	-157101.1413	867637.3172025076	39.25646997348502	-101.3540074	296888.789972347	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
326	ix	84686	-156441.1413	867637.3172025076	39.25648042378436	-101.3516776	297089.859189436	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
327	ix	84687	-155781.1413	867637.3172025076	39.2564910818338	-101.3493479	297290.9297	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
328	ix	84688	-155121.1413	867637.3172025076	39.25650166735205	-101.3470182	297491.9992154336	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
329	ix	84689	-154461.1413	867637.3172025076	39.256511221980316	-101.3446884	297693.0686508744	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
330	ix	84690	-153801.1413	867637.3172025076	39.25652273	-101.3423587	297894.137102861	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
331	ix	84691	-153141.1413	867637.3172025076	39.256533195780875	-101.340029	298095.2607608356	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
332	ix	84692	-152481.1413	867637.3172025076	39.25654362	-101.3376992	298296.2755132526	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
333	ix	84693	-151821.1413	867637.3172025076	39.256553899574456	-101.3353693	298497.3446072574	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
334	ix	84694	-151161.1413	867637.3172025076	39.256563418970554	-101.3330398	298698.412423192	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
335	ix	84695	-150501.1413	867637.3172025076	39.256573042345536	-101.3307424	298900.4858812437	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
336	ix	84696	-149841.1413	867637.3172025076	39.25658344276124	-101.3283903	299100.5485416885	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
337	ix	84697	-149181.1413	867637.3172025076	39.2565935037155776	-101.3260506	299301.616034564	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
338	ix	84698	-148521.1413	867637.3172025076	39.25660519	-101.3237208	299502.683073796	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
339	ix	84699	-147861.1413	867637.3172025076	39.25661529094323	-101.3213911	299703.751239038	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
340	ix	84700	-147201.1413	867637.3172025076	39.25662535303606	-101.3190414	299904.814010094	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
341	ix	84701	-146541.1413	867637.3172025076	39.25663536472831	-101.3167138	300105.8858812437	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
342	ix	84702	-145881.1413	867637.3172025076	39.2566453819198	-101.3143916	300306.375029593	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
343	ix	84703	-145221.1413	867637.3172025076	39.2566555851088	-101.3120721	300508.01874748647	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
344	ix	84704	-144561.1413	867637.3172025076	39.2566651390118	-101.3097424	300709.0851304074	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
345	ix	84705	-143901.1413	867637.3172025076	39.25667497229081	-101.3074127	300910.152347853	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
346	ix	84706	-143241.1413	867637.3172025076	39.25668476179715	-101.3050829	301111.217199236	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
347	ix	84707	-142581.1413	867637.3172025076	39.25669451	-101.3027352	301322.28311966156	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
348	ix	84708	-141921.1413	867637.3172025076	39.2567042545536	-101.3004234	301513.347247477	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
349	ix	84709	-141261.1413	867637.3172025076	39.25671385948026	-101.2980937	301714.2441143751	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
350	ix	84710	-140601.1413	867637.3172025076	39.2567236927998	-101.2957639	301915.4793485219	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
351	ix	84711	-139941.1413	867637.3172025076	39.25673303361311	-101.2934342	302116.544387083	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
352	ix	84712	-139281.1413	867637.3172025076	39.2567425299741	-101.2911044	302317.609194515	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
353	ix	84713	-138621.1413	867637.3172025076	39.25675203	-101.2887747	302518.678261578	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
354	ix	84714	-137961.1413	867637.3172025076	39.256761466735303	-101.286445	302719.7382635193	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
355	ix	84715	-137301.1413	867637.3172025076	39.2567710911982	-101.2841316	302920.885910687	347491.371465224	3272.215455797746	3270.4209169917162	3281.10032979929	21.794338768058374	11.115126678485616	11.115126678485616
356	ix	84716	-136641.1413	867637.3172025076	39.256780518052618	-101.2818755	303121.865581022	347491.371465224	3272.215455797746	3270.420916991716				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatHtBothKrg.	SatHtBothKrg.
439	ix	84799	-81861.14133	86763.71320250766	39.257398474488674	-101.0884146	319809.528484867064	34747.1968793632	318.5795864425563	3023.433801903995	2987.881943435291	2994.3040967975545	55.5188675108629	29.9937332845024
440	ix	84800	-81801.14133	86763.71320250766	39.25740403374051	-101.088048	320015.5769710764	34745.589315718	317.3614571789617	3021.418989113091	2983.328897633424	2993.67277503518	58.0909347966704	27.4781360667317
441	ix	84801	-82041.14133	86763.71320250766	39.25740964798927	-101.089758	320211.6251948495	34745.570132313	318.143327915387	3021.418989113091	2983.328897633424	2993.67277503518	58.0909347966704	27.4781360667317
442	ix	84802	-79891.14133	86763.71320250766	39.25741501723794	-101.0814252	320412.67349078355	34745.570132313	318.143327915387	3021.418989113091	2983.328897633424	2993.67277503518	58.0909347966704	27.4781360667317
443	ix	84803	-79221.14133	86763.71320250766	39.25742041483475	-101.0790954	320613.7214864329	34747.032209129	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
444	ix	84804	-78561.14133	86763.71320250766	39.257425202726944	-101.076556	320814.7693065623	34747.032209129	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
445	ix	84805	-77901.14133	86763.71320250766	39.257431154968245	-101.0744358	321015.818951378	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
446	ix	84806	-77241.14133	86763.71320250766	39.25743644427043	-101.072106	321216.8644210829	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
447	ix	84807	-76581.14133	86763.71320250766	39.25744168444668	-101.069778	321417.911758853	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
448	ix	84808	-75921.14133	86763.71320250766	39.25744696767935	-101.067485	321618.9588339846	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
449	ix	84809	-75261.14133	86763.71320250766	39.25745204191207	-101.0651167	321820.0056	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
450	ix	84810	-74601.14133	86763.71320250766	39.257457511142624	-101.0627869	322015.0255290387	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
451	ix	84811	-73941.14133	86763.71320250766	39.25746221537099	-101.0604571	322222.0991501383	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
452	ix	84812	-73281.14133	86763.71320250766	39.257467234597144	-101.0581273	322423.1455734904	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
453	ix	84813	-72621.14133	86763.71320250766	39.25747220822113	-101.0557975	322624.1912316833	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
454	ix	84814	-71961.14133	86763.71320250766	39.257477138042866	-101.0534677	322825.237893717	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
455	ix	84815	-71301.14133	86763.71320250766	39.2574820226241	-101.051379	323026.28392211	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
456	ix	84816	-70641.14133	86763.71320250766	39.25748696	-101.0488081	323227.3293219156	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
457	ix	84817	-69981.14133	86763.71320250766	39.25749165569475	-101.0464783	323428.3750892163	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
458	ix	84818	-69321.14133	86763.71320250766	39.2574964907556	-101.0441485	323629.4247358997	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
459	ix	84819	-68661.14133	86763.71320250766	39.257500110912045	-101.0418187	323830.4657845694	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
460	ix	84820	-68001.14133	86763.71320250766	39.25750578832869	-101.0394889	324031.510251433	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
461	ix	84821	-67341.14133	86763.71320250766	39.25751146823467	-101.0371781	324232.559927627	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
462	ix	84822	-66681.14133	86763.71320250766	39.25751691738365	-101.0349293	324433.00386137	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
463	ix	84823	-66021.14133	86763.71320250766	39.2575194759379	-101.0324996	324634.6449128068	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
464	ix	84824	-65361.14133	86763.71320250766	39.25752396513887	-101.0301698	324835.6895257475	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
465	ix	84825	-64701.14133	86763.71320250766	39.25752839335675	-101.02784	325036.7344711352	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
466	ix	84826	-64041.14133	86763.71320250766	39.25753277853014	-101.0255102	325237.7745767846	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
467	ix	84827	-63381.14133	86763.71320250766	39.25753712272228	-101.0231894	325438.8212971646	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
468	ix	84828	-62721.14133	86763.71320250766	39.2575420935467	-101.020850	325639.94965154	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
469	ix	84829	-62061.14133	86763.71320250766	39.25754567609954	-101.0185208	325840.9048529126	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
470	ix	84830	-61401.14133	86763.71320250766	39.25754988528467	-101.016191	326041.951793832	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
471	ix	84831	-60741.14133	86763.71320250766	39.257554049467416	-101.0138612	326242.9495239814	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
472	ix	84832	-60081.14133	86763.71320250766	39.25755861664781	-101.0115314	326444.0379417162	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
473	ix	84833	-59421.14133	86763.71320250766	39.257562242825834	-101.009216	326645.0806703776	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
474	ix	84834	-58761.14133	86763.71320250766	39.2575667200144	-101.0069178	326846.131207895	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
475	ix	84835	-58101.14133	86763.71320250766	39.2575702617467	-101.004542	327047.1659	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
476	ix	84836	-57441.14133	86763.71320250766	39.2575742	-101.0022122	327248.2020524614	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
477	ix	84837	-56781.14133	86763.71320250766	39.2575780951383	-100.9998824	327449.250455055	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
478	ix	84838	-56121.14133	86763.71320250766	39.25758193867995	-100.9975526	327650.292139933	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
479	ix	84839	-55461.14133	86763.71320250766	39.25758574284356	-100.9952228	327851.33125933	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
480	ix	84840	-54801.14133	86763.71320250766	39.25758958210774	-100.992883	328052.57363299	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
481	ix	84841	-54141.14133	86763.71320250766	39.25759342059164	-100.990544	328253.614510841	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
482	ix	84842	-53481.14133	86763.71320250766	39.25759738521974	-100.988234	328454.458536102	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
483	ix	84843	-52821.14133	86763.71320250766	39.257600590473576	-100.9859036	328655.49967071076	34733.0595	318.04027028649	3015.4871543102433	2971.074883986898	3000.457451042845	44.5221703233466	15.0401016998805
484	ix	84844	-52161.14133	86763.71320250766	39.2576040862497	-100.9835738	328856.5							

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHtBoth.f		
55	15	84925	1298.858673033514	867637.3170250766	39.25774445624846	-100.7948594	401540.3223676175	434691.64178922085	2994.2691487914267	2839.64014686118	2839.98387194924	3211.5226463024226	62.56750966626091	62.117682556782226
56	15	84926	1958.858673033514	867637.3170250766	39.25774444351966	-100.7925296	345341.352028737	4346910.62171185	2994.11504306698	2892.10546641207	2830.672682237147	2830.885367793349	61.2201038349648	61.67200138349648
567	15	84927	1618.858673033514	867637.3170250766	39.25774439131565	-100.7901698	346748.2768742325	4346905.62594419	2890.58116292221	2890.58116292221	2830.44385014283	2830.1631193134454	60.108311678786296	60.597833485978629
568	15	84928	1278.858673033514	867637.3170250766	39.2577443906082	-100.78787	345340.5507179169	4346902.630021902	2992.0175445820596	2888.978733038587	2830.3097010617486	2830.113731095397	58.5874947711011	58.96732402449896
569	15	84929	1338.858673033514	867637.3170250766	39.25774438196735	-100.7855402	345944.4323115381	4346888.63433626	2987.07759723971	2887.385704328816	2830.406276340989	2830.014048862675	56.97942708726666	57.3446544254829
570	15	84930	4598.85867303351	867637.3170250766	39.257744354091116	-100.7832104	346145.4605554527	4346894.63029583	2989.33340130445	2885.176736048083	2830.157096153906	2829.930764179993	55.6145745009229	55.8340188848152
571	15	84931	5258.85867303351	867637.3170250766	39.257744320483224	-100.7808085	346364.4877	4346884.643809765	2987.134382	2884.135272188087	2828.183628670617	2828.36807106217	55.95164351747644	55.97718086046546
572	15	84932	1198.85867303351	867637.3170250766	39.257744282375059	-100.7785057	346547.5149497936	4346886.648771159	2984.08117723950154	2882.4565923739506	2824.605614704424	2824.3260321808813	57.0569292	58.11474174309832
573	15	84933	678.85867303351	867637.3170250766	39.25774423769662	-100.7762028	346748.51496100185	4346882.62594419	2981.029212968103	2880.58116292221	2830.44385014283	2830.1631193134454	61.2201038349648	61.67200138349648
574	15	84934	7238.85867303351	867637.3170250766	39.257744192657912	-100.7738911	346949.584643813666	4346876.65255644	2977.5655232748	2879.08775873959	2814.081230212317	2813.5558323760756	60.024686184248	60.527944278355
575	15	84935	7698.85867303351	867637.3170250766	39.2577441048929	-100.7715613	3470.50.59503658826	4346874.64772553	2975.634512761817	2877.300725242683	2808.633481090727	2808.285115413613	68.717674433063	69.05251120132159
576	15	84936	8558.85867303351	867637.3170250766	39.257740483939677	-100.7692315	347351.6214866515	4346870.67403727	2974.0055929735052	2875.59292329684	2803.7443541191037	2803.44914278559	71.74825721	72.17788851214734
577	15	84937	1218.85867303351	867637.3170250766	39.25774033013844	-100.7669017	347552.647786217	4346876.65047371	2972.37606858402	2873.018992166317	2799.4688781734512	2799.3061918091435	74.2421139286556	74.50480035717279
578	15	84938	9678.85867303351	867637.3170250766	39.2577399220349	-100.7645719	347753.673418935	4346862.84282579	2970.44684849514	2872.0044628948926	2796.241494344596	2796.1964300434596	75.7607616509205	75.85532250292648
579	15	84939	10538.85867303351	867637.3170250766	39.257738896102798	-100.7622421	347954.699947614	4346858.88882242	2968.5274669529075	2870.1370713622956	2794.228606161459	2794.0954320063671	76.8775405	77.8775405
580	15	84940	11198.85867303351	867637.3170250766	39.25773815490938	-100.7599123	348155.728057674	4346854.09120056	2968.693506508095	2868.317327705201	2790.87270224593	2790.08455569036	74.386568274168	75.1767210589504
581	15	84941	11858.85867303351	867637.3170250766	39.257737368832224	-100.7578285	348356.7515462336	4346840.7142002	2967.87840245063	2866.43148638231	2791.85925568676	2792.300447872836	74.923736965052	74.13670475
582	15	84942	12518.85867303351	867637.3170250766	39.25773653778438	-100.7552526	348557.7770798287	4346846.70854082	2965.6069245064	2864.532821256204	2791.389662833655	2791.68595092184	74.1453192025495	72.8463230974722
583	15	84943	13178.85867303351	867637.3170250766	39.25773566162729	-100.7529228	348758.8024981882	4346842.71532878	2966.70116794149	2862.602672	2790.708160635924	2791.2707793779458	71.8928610537168	71.01489227920428
584	15	84944	13878.85867303351	867637.3170250766	39.2577344705583	-100.750593	348959.88277657097	4346838.712721593	2965.9581450832416	2860.648328	2790.788163538161	2790.068991507526	70.8621623416991	70.578425324230242
585	15	84945	14158.85867303351	867637.3170250766	39.25773377444153	-100.7482632	349160.852885953	4346834.730071007	2967.13671723234	2858.66930402263	2788.205799382385	2788.228480349563	70.4048287306964	70.4408287306964
586	15	84946	14518.85867303351	867637.3170250766	39.25773276323185	-100.7459334	349361.8776650509	4346830.73161521	2967.34201661474	2858.5729965207545	2785.57220453144	2785.247133701794	70.0846365630406	71.42535602515046
587	15	84947	14898.85867303351	867637.3170250766	39.25773188236205	-100.7431161	349572.12747305	4346827.94825131	2967.541414539423	2856.381414539423	2784.13027420517	2784.13027420517	69.08992451207	69.5078115114028
588	15	84948	16478.85867303351	867637.3170250766	39.2577300607376	-100.7417238	349763.9274794204	4346823.57204807	2962.059178725847	2852.5855118004	2786.3735610114027	2785.945457509048	66.7127005601612	66.7508040059558
589	15	84949	16788.85867303351	867637.3170250766	39.25772945945814	-100.738994	349964.9520176158	4346818.76134351	2958.506480826566	2850.5882378556	2787.627001926403	2787.4284133235157	62.8818031263513	63.0794186062597
590	15	84950	17798.85867303351	867637.3170250766	39.2577282681515	-100.7366142	350165.974105968	4346814.79862536	2954.91741914734	2848.407650711993	2787.3862134007363	2789.04692180116	61.02144361146293	61.93296482041416
591	15	84951	18458.85867303351	867637.3170250766	39.25772703682138	-100.7342844	350367.00065979346	4346810.77082015	2953.47622033147	2846.20515651187	2784.2213356	2789.05622226293	55.52498231828679	55.52498231828679
592	15	84952	19118.85867303351	867637.3170250766	39.2577257154623	-100.731945	350568.02746014814	4346806.78623171	2954.18176454599	2844.134982	2787.2205095090985	2792.628311805836	64.9147425328134	65.15066704383625
593	15	84953	19778.85867303351	867637.3170250766	39.25772443	-100.7296247	350789.947173275	4346802.576635015	2954.887348999999	2843.196917281836	2786.1880420999973	2786.03894245696	63.68566445696	63.68566445696
594	15	84954	20388.85867303351	867637.3170250766	39.25772304256296	-100.7273811	351008.7840791373	4346804.85071913	2955.50872759463	2839.74851922047	2787.332777516187	2787.332777516187	43.367223218548	43.367223218548
595	15	84955	21098.85867303351	867637.3170250766	39.2577216812227	-100.7249561	351171.09619751375	4346794.814	2954.0583024169587	2837.582832743364	2785.746304764417	2791.324276	41.83239819789469	46.2585675403556
596	15	84956	21758.85867303351	867637.3170250766	39.25772033	-100.7226353	351372.119720309	4346783.21599815	2950.2635737614	2835.36547796036	2783.1562947300315	2785.749749193035	72.209163	49.6174586030071
597	15	84957	22418.85867303351	867637.3170250766	39.25771867082624	-100.7203055	351573.14331017005	4346783.623726971	2946.590012487894	2833.1349131379605	281.2816447357319	281.465610560358	71.8532690222687	71.6693032
598	15	84958	23078.85867303351	867637.3170250766	39.25771719671476	-100.7179757	351774.166335475	4346782.84477049	2947.3438062065	2830.8934153528543	2760.0623156833194	2776.149352750481	69.03109967250493	54.7440247097331
599	15	84959	23738.85867303351	867637.3170250766	39.2577152521965	-100.7156459	351975.184293961	434678.852412913	2946.590858869458	2828.64337424974	2758.206824953564	2768.46235126139	69.3658210471994	59.8004729723607
600	15	84960	24398.85867303351	867637.3170250766	39.2577138236205	-100.713161	352174.21247305	4346774.8625131	2946.741414539423	2826.381414539423	2758.13027420517	2758.13027420517	68.740717	68.740717
601	15	84961	25058.85867303351	867637.3170250766	39.2577122619186	-100.7108493	352377.7219374506	4346778.9283196	2942.1288547725847	2825.38803376254	2757.37166281008	2757.37166281008	60.4965241404924	60.7571915874919
602	15	84962	25718.85867303351	867637.3170250766	39.257711005039274	-100.7086565	352578.25784074651	4346776.89321616	2941.30880600491675	2821.870650566074	2759.10671789657	2762.3031264332	62.7640327696505	59.56738491772414
603	15	84963	26378.85867303351	867637.3170250766	39.257708688734	-100.7063267	352779.280359485	4346762.8932242	2915.5887166276057	2819.610714626375	2761.1140485318692	2761.1140485318692	56.488754141367735	56.488754141367735
604	15	84964	27038.85867303351	867637.3170250766	39.25770687705078	-100.7039969	352980.3027	4346758.905	2903.73108190714	2817.369061885376	2764.103629462943	2765.473070097185	54.2954343908184	51.8953615865671
605	15	84965	27698.85867303351	867637.3170250766	39.25770500153508	-100.701667	353181.3496827183	4346754.915885825	2900.8733861415	2815.133749206805	2767.839426014718	2767.839426014718	52.26744573502496	46.2585675403556
606	15	84966	28358.85867303351	867637.3170250766	39.2577030036169	-100.6993372	353382.3475197297	4346750.327	2898.0156855058	2812.914309941525	2774.219121642876	2774.219121642876	49.770612369643	49.770612369643
607	15	84967	29018.85867303351	867637.3170250766	39.2577016812227	-100.6969868	353583.3475197297	4346746.38814966	2896.347543628428	2810.58116292221	2772.99734518491	2772.99734518491	43.367223218548	43.367223218548
608	15	84968	29678.85867303351	867637.3170250766	39.25769913	-100.6946776	353784.3908146603	4346750.90510387	2894.506535405	2808.535817788653	2770.94688343967			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRLEvLogKgr.f	BRLEvBothKgr.f	Sat3dKvgs.f	SatThBoth.f	
691	115	85051	84458.85867307335	867637.3170250766	39.2537676156493066	-100.5013043	704048.7264529632	4346412.552333641	2850.016414310143	2681.004086	2645.770281189461	2643.1925095185846	35.234543368593	37.8119003405343
692	115	85052	85118.85867307335	867637.3170250766	39.25377038	-100.4893746	706689.7370692499	4346408.539041731	2848.817448342315	2670.544310968897	2641.65112193895107	2639.3364478616295	37.893091584776524	40.027863107507165
693	115	85053	85238.85867307335	867637.3170250766	39.253784540462	-100.466648	72076.7475960027	4346404.859363941	2847.618463	2678.089701484874	2641.05681978530454	2641.05681978530454	43.19524585387203	43.19524585387203
694	115	85054	86438.85867307335	867637.3170250766	39.253758677429906	-100.494315	70177.705278445	4346405.73903411	2846.4151169482048	2676.64151100632	2633.5237591	2630.4741150858437	44.10329550189226	46.1673504208838
695	115	85055	87098.85867307335	867637.3170250766	39.253752760964714	-100.4919852	71272.776817097404	4346306.3614600184	2844.932348371355	2675.2002803582427	2629.50647351988	2626.871126833604	45.6938060625484	48.383153744622304
696	115	85056	87758.85867307335	867637.3170250766	39.25373495977654	-100.4896554	71743.778290196	4346392.686200454	2843.15697692105	2673.765001114524	2625.0321496321762	2648.7345047921676	50.79077003712192	50.79077003712192
697	115	85057	88418.85867307335	867637.3170250766	39.2537403178859	-100.4872536	71674.7882851748	4346301.77123208	2841.3816054789672	2672.306555940255	2621.451576746536	2618.632655752516	50.8809788150973	52.70812884150973
698	115	85058	89078.85867307335	867637.3170250766	39.2537344179758	-100.4848959	71875.789177349	4346384.745	2839.60634027332	2670.92319063723	2618.177520765374	2616.4878207572638	52.7413498718567	54.5335730459246
699	115	85059	89738.85867307335	867637.3170250766	39.2537368540462	-100.4826661	72076.8705960027	4346390.73581832	2839.994834143416	2669.514535100476	2617.632868982145	2615.839723149685	54.67481186	56.258226292624
700	115	85060	90398.85867307335	867637.3170250766	39.25372250409714	-100.4803283	72277.8175321019	4346376.80190087	2838.547079362371	2668.11550484354	2617.222133252167	2611.389097081958	56.8929170272374	56.7263026523397
701	115	85061	91058.85867307335	867637.3170250766	39.25371631761288	-100.4780065	72478.8720346565	4346325.28233	2837.404738330016	2666.750385963517	2609.897305252394	2603.193053093594	56.8277535	57.5374492633929
702	115	85062	91718.85867307335	867637.3170250766	39.2537100621412	-100.4756767	72679.83641430064	4346368.88483431	2833.654402442331	2663.344856131324	2607.822931657616	2607.2035084858507	57.571249555167	58.14134812732664
703	115	85063	92378.85867307335	867637.3170250766	39.25371030981347	-100.4733469	72880.845	4346354.95850474	2830.85203691227	2663.947672712977	2606.0028992715047	2605.9258918516086	57.92928441743034	58.34464713136913
704	115	85064	93038.85867307335	867637.3170250766	39.252728410885	-100.4710172	73081.854807680	4346360.91790929	2828.69682	2662.61468766886	2604.155279905196	2603.806500205275	58.4949736736206	58.75042746129311
705	115	85065	93698.85867307335	867637.3170250766	39.25272112200646	-100.4688874	73282.8632811256	4346349.647096405	2826.544767975919	2661.2650253848896	2603.06486743024	2601.807616369587	59.25839320584541	59.49574098929527
706	115	85066	94358.85867307335	867637.3170250766	39.2527284100015	-100.4663576	73483.8712125298	4346352.97668611	2818.38650537008	2659.025751662105	2600.39208441831	2599.84760857632	59.53386722020976	60.078809046635
707	115	85067	95018.85867307335	867637.3170250766	39.25272852419199	-100.4640278	73684.8814822788	4346349.06420253	2816.7319272705	2658.5968622861023	2598.38300866414	2597.951798234315	60.2138582159617	60.4659045148131
708	115	85068	95678.85867307335	867637.3170250766	39.25272175278198	-100.461698	73885.89013057604	4346345.03635711	2815.920263	2657.2768471717874	2596.156547276035	2595.837142286551	61.120239391383935	61.63949643132288
709	115	85069	96338.85867307335	867637.3170250766	39.2527260320761	-100.4593863	74086.8986576283	4346341.066	2815.630445473555	2655.96416968383	2593.973840372141	2593.8248046742048	61.99032919724232	62.139230490377326
710	115	85070	96998.85867307335	867637.3170250766	39.25272861495648	-100.4570385	74287.9070636347	4346337.09677846	2815.359625851179	2654.658281521179	2591.670293508429	2591.6244595473424	62.1176040691317	63.1157604091317
711	115	85071	97658.85867307335	867637.3170250766	39.25275197854103	-100.4547807	74488.9153	4346333.127641085	2813.1401250040	2653.36869761937	2589.0929964901	2588.9924164394	64.2593801619259	64.36634650119868
712	115	85072	98318.85867307335	867637.3170250766	39.252749529172375	-100.4523789	74689.9531342525	4346328.158	2808.972385117315	2652.0673371953836	2587.933861523842	2587.0668998981624	64.265261953	64.265261953
713	115	85073	98978.85867307335	867637.3170250766	39.252749529172375	-100.4500184	74890.978183967	4346324.859363941	2807.944638175	2650.971543785095	2587.933861523842	2587.0668998981624	64.265261953	64.265261953
714	115	85074	99638.85867307335	867637.3170250766	39.25273129263896	-100.4477194	75091.939814351	4346321.21981348	2806.6387959039	2649.494087699034	2588.2736944237	2588.293566476858	61.22031825576187	61.200422822175824
715	115	85075	100298.85867307335	867637.3170250766	39.25272498	-100.4453896	75292.9472821554	4346321.25103584	2806.939136651057	2648.215204990352	2589.2816146790997	2589.4120809308045	61.22031825576187	61.200422822175824
716	115	85076	100958.85867307335	867637.3170250766	39.2527181243356	-100.4430598	75493.9550691932	4346313.28243395	2793.89141103529	2646.393737261393	2590.07190040584	2590.3402131062344	61.66786468555105	61.66786468555105
717	115	85077	101618.85867307335	867637.3170250766	39.25271121500749	-100.440073	75694.96236346034	4346304.30147127	2790.738654210582	2645.664974196178	2590.05661717886	2590.857142782923	61.66786468555105	61.66786468555105
718	115	85078	102278.85867307335	867637.3170250766	39.25270246357971	-100.4384003	75895.970786823	4346305.34783367	2787.67595806128	2644.392087	2590.05661717886	2590.857142782923	61.66786468555105	61.66786468555105
719	115	85079	102938.85867307335	867637.3170250766	39.252719727	-100.4361679	76096.9774452575	4346301.37773434	2786.743286275653	2643.920874740564	2590.05661717886	2590.857142782923	61.66786468555105	61.66786468555105
720	115	85080	103598.85867307335	867637.3170250766	39.252719727	-100.4334077	76297.9846111377	4346297.9846111377	2785.94396120074	2643.920874740564	2590.05661717886	2590.857142782923	61.66786468555105	61.66786468555105
721	115	85081	104258.85867307335	867637.3170250766	39.252718319286134	-100.4314109	76498.9916994345	4346293.421719292	2786.27533912473	2640.556374091062	2590.05661717886	2590.857142782923	61.66786468555105	61.66786468555105
722	115	85082	104918.85867307335	867637.3170250766	39.25271607851626	-100.4290812	76699.9986890744	4346289.474677068	2786.04661945029	2639.2726853496	2589.060252808295	2588.1568271073036	61.1770815268634	61.1770815268634
723	115	85083	105578.85867307335	867637.3170250766	39.252716883141541	-100.4267514	76901.0055919867	4346285.5073719	2791.70633872251	2637.985244262063	2586.10228	2586.10228	61.1770815268634	61.1770815268634
724	115	85084	106238.85867307335	867637.3170250766	39.25271607851626	-100.4244216	77102.0122591484	4346281.50421252	2792.939966972624	2636.69265525863	2584.2599572632084	2584.2599572632084	61.1770815268634	61.1770815268634
725	115	85085	106898.85867307335	867637.3170250766	39.25271543435816	-100.4220218	77303.0188678602	4346279.573267465	2794.17579998197	2635.387371953836	2584.2599572632084	2584.2599572632084	61.1770815268634	61.1770815268634
726	115	85086	107558.85867307335	867637.3170250766	39.25271543435816	-100.4197621	77504.0235505175	4346274.0649695	2794.17579998197	2635.387371953836	2584.2599572632084	2584.2599572632084	61.1770815268634	61.1770815268634
727	115	85087	108218.85867307335	867637.3170250766	39.2527139554436	-100.4174233	77705.0317446351	4346269.938998849	2793.6781824296	2632.80305714933	2589.273092714933	2589.273092714933	61.1770815268634	61.1770815268634
728	115	85088	108978.85867307335	867637.3170250766	39.25271324210214	-100.4151025	77906.0300891164	4346265.67303952	2794.03965190456	2631.5101701248054	2577.56171547009	2577.56171547009	61.1770815268634	61.1770815268634
729	115	85089	109638.85867307335	867637.3170250766	39.25271282	-100.4127728	78107.0441502169	4346261.70728167	2786.890642123867	2630.220065213911	2575.537465621726	2575.537465621726	61.1770815268634	61.1770815268634
730	115	85090	110198.85867307335	867637.3170250766	39.25271173631704	-100.410443	78308.05018017336	4346257.741242268	2783.27391908363	2628.93145956143	2573.168453432417	2573.168453432417	61.1770815268634	61.1770815268634
731	115	85091	110858.85867307335	867637.3170250766	39.2527109986815	-100.4081132	78509.056915883	4346253.7358662	2782.244235	2627.6501587996727	2570.50202091375	2570.50202091375	61.1770815268634	61.1770815268634
732	115	85092	111518.85867307335	867637.3170250766	39.25271021841771	-100.405734	78710.016864944	4346249.805711854	2781.471440250432	2626.36336938472	2567.7946617793814	2568.13284584816	61.1770815268634	61.1770815268634
733	115	85093	112178.85867307335	867637.3170250766	39.25271021841771	-100.4034109	78911.016864944	4346245.805711854	2780.471440250432	2625.36336938472	2567.7946617793814	2568.13284584816	61.1770815268634	61.1770815268634
734	115	85094	112838.85867307335	867637.3170250766	39.252709602512336	-100.401259	79112.0713217191</							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
76	116	85177	-320781.1413	868297.3170250766	39.255424197615922	-101.9317779	247020.8460622367	344908.161998365	3874.5503380930547	3667.2493915613964	3587.834523727794	3613.4301900339956	39.4148673836023	53.819201527400764
78	116	85178	-320121.1413	868297.3170250766	39.25456382535527	-101.9294053	247221.57916561727	344904.074141718	3874.552727997377	3665.221497318984	3584.594475929594	3611.5497160030018	50.8270173920462	53.2717206886284
79	116	85179	-319461.1413	868297.3170250766	39.2542656295574	-101.9271208	247423.1094745635	344907.793000000	3872.091544562684	3650.286849813407	3581.2414683193607	3610.820835683967	51.3260433547731	54.34836949773344
80	116	85180	-318801.1413	868297.3170250766	39.2543373887574	-101.9247913	247624.2553349478	344905.9700719129	3867.735482400953	3661.068861178945	357.5619680914347	3607.53038647081	53.524913358244984	53.5564920780345
81	116	85181	-318141.1413	868297.3170250766	39.25432910280811	-101.9224617	247825.3503243826	344907.814096817	3863.45157031392056	3658.879548322442	3573.5717747915623	3603.8591962513384	50.40777353	55.12035037103364
82	116	85182	-317481.1413	868297.3170250766	39.2543507220054	-101.9201322	248026.474901529	344907.822917341	3859.0772601314	3656.845570761888	3569.5806895198393	3598.26359	67.25948124634942	58.58198062330672
83	116	85183	-316821.1413	868297.3170250766	39.254372396428916	-101.9178027	248227.5992111126	344903.641277923	3856.23903003434	3654.865069285056	3565.1171192228036	3593.218551970381	60.46777353	55.12035037103364
84	116	85184	-316161.1413	868297.3170250766	39.25433975659234	-101.9154731	248428.723713512	344905.55149845	3854.898922276339	3650.448554514385	3560.6061414425418	3586.395905218921	81.892321477016921	66.10280494294343
85	116	85185	-315501.1413	868297.3170250766	39.254415526897505	-101.9131438	248629.6476824595	344905.898209842	3850.286849813407	3650.286849813407	3558.2340127185867	3579.030574144221	84.852637889359424	71.463274889345829
86	116	85186	-314841.1413	868297.3170250766	39.25443699914161	-101.9108141	248830.9704461606	344901.38345201	3845.0212867000284	3648.05122816545	3552.57386192167	3572.323614612734	95.5138419570337	75.1272657033717
87	116	85187	-314181.1413	868297.3170250766	39.25445844339157	-101.9084845	249022.0935850522	344904.2796948185	3851.7500539902084	3647.7750412455	3549.2830032870675	3569.685115813293	96.52977175	76.10765922795235
88	116	85188	-313521.1413	868297.3170250766	39.25447984264729	-101.906155	249233.2127259555	344903.21251918	3852.146856333377	3643.5129745686418	3546.4902525491275	3571.67072907919	97.02272201951428	69.79690166
89	116	85189	-312861.1413	868297.3170250766	39.25450119690877	-101.9038254	249434.3389354976	344906.132731898	3852.545365983714	3641.2132556593779	3543.892453983469	3580.808047195191	97.022080167591084	60.04518146
90	116	85190	-312201.1413	868297.3170250766	39.254522506170445	-101.9014959	249635.4624082688	344905.042323745	3852.94041026852	3638.895963145082	3540.7509612278186	3574.4749191657081	98.14500194	64.44803453958704
91	116	85191	-311541.1413	868297.3170250766	39.25454377949876	-101.8991663	249836.5847259533	344903.965712171	3852.747813444534	3636.565730200565	3538.62740498023714	3555.1225824776097	99.44848004	81.44314722957574
92	116	85192	-310881.1413	868297.3170250766	39.254564989727238	-101.8968368	250037.7080145537	344902.872898923	3851.965715928724	3634.22630770464	3533.906204308917	3536.859660656895	100.32009640757224	97.36664001176908
93	116	85193	-310221.1413	868297.3170250766	39.25458616	-101.8945072	250228.8286262828	344902.78446041	3851.18361813474	3631.8815977713375	3539.4579612895086	3534.2846898004	99.4236464542889	97.57137287
94	116	85194	-309561.1413	868297.3170250766	39.25460723372079	-101.8921777	250439.9502049424	344901.704121368	3850.401528098636	3629.537698642067	3544.6599475910216	3534.7057319351984	100.747240931815	94.83195774900832
95	116	85195	-308901.1413	868297.3170250766	39.25462838	-101.8898481	250641.0715338807	344900.142815798	3848.584904150246	3627.2397601614	3546.00081	3530.2650845884262	101.95658746823395	96.93731300312129
96	116	85196	-308241.1413	868297.3170250766	39.25464941689566	-101.8875186	250842.1926199822	344901.536288322	3845.733936191644	3624.881354	3544.562537889365	3522.9678067866053	103.8181602	101.91354127241486
97	116	85197	-307581.1413	868297.3170250766	39.25467041120254	-101.885189	251043.3134574014	344900.452059035	3842.882912189637	3622.5805026089283	3541.5573738520613	3517.2122462708033	103.8181602	101.91354127241486
98	116	85198	-306921.1413	868297.3170250766	39.2546913051393	-101.8828599	251244.4340483602	344902.369111628	3840.071885029352	3620.3059426674925	3537.837776103016	3515.7103943170683	104.484848947646	105.1355306042424
99	116	85199	-306261.1413	868297.3170250766	39.25471224839576	-101.8806528	251460.0655709477	344901.219830368	3830.068751258239	3619.816744215469	3531.743030141165	3507.18252	105.24800114112723	106.2760051176908
100	116	85200	-305601.1413	868297.3170250766	39.25473312415265	-101.8782003	251646.674916715	344904.202672365	3833.874091814747	3615.857333842585	3529.55047957212	3513.695471854717	106.3065457021853	102.1618619988132
101	116	85201	-304941.1413	868297.3170250766	39.25475338479936	-101.8757808	251847.7943444066	344901.919757134	3830.658211841275	3613.8868007	3528.898262876957	3510.324887116128	106.77847426	103.3611396384707
102	116	85202	-304281.1413	868297.3170250766	39.25477407812444	-101.8735412	252048.9139515583	344906.07015085	3827.47895217041	3611.54823383553	3525.762143462767	3502.4628352049267	106.7860938	106.08539326361
103	116	85203	-303621.1413	868297.3170250766	39.25479543215014	-101.8712117	252250.0331323128	344901.95461084	3824.23432482141	3609.449934015014	3525.1569261178714	3500.955125123704	106.8280676	106.08539326361
104	116	85204	-302961.1413	868297.3170250766	39.25481611449285	-101.8688821	252451.1524926624	344907.872095122	3820.4234341462516	3607.377944045733	3525.722903948813	3498.621688730118	106.8549049476037	108.7561071045536
105	116	85205	-302301.1413	868297.3170250766	39.254836974584084	-101.8665828	252682.573100105902	344907.789897192	3817.61434363688	3605.6974606827078	3526.9774606827078	3526.9774606827078	108.7561071045536	108.7561071045536
106	116	85206	-301641.1413	868297.3170250766	39.25485733519397	-101.864223	252899.7079272191	344909.7079272191	3803.355721307948	3603.355721307948	3523.355721307948	3503.1419261	109.0211122078	109.0211122078
107	116	85207	-300981.1413	868297.3170250766	39.2548787955203	-101.8618934	253054.580395688	344906.62152409	3811.619257387335	3601.394000937398	3528.84318580691	3515.4925363212496	109.571456702692	85.90194162
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109	116	85209	-299661.1413	868297.3170250766	39.254918832308	-101.8572342	253456.7443040018	344905.43058762	3807.49885730716	3597.560033	3531.15178231435	3544.819781611635	109.571456702692	52.74025977046344
110	116	85210	-299001.1413	868297.3170250766	39.2549394265598	-101.8549047	253657.8619897038	344903.38184703	3805.436687267057	3595.625904646772	3534.544726384677	3559.25276046756894	109.571456702692	36.42746648828328
111	116	85211	-298341.1413	868297.3170250766	39.25495960703378	-101.8525795	253858.9794	344903.90797928	3803.961955104793	3593.6213552757225	3536.13231535713	3564.85924897337	109.571456702692	28.9815671783852
112	116	85212	-297681.1413	868297.3170250766	39.2549792541604	-101.8502455	254060.0655709477	344901.219830368	3800.068751258239	3591.8233268029	3537.743030141165	3507.18252	109.571456702692	28.9815671783852
113	116	85213	-297021.1413	868297.3170250766	39.2550002008302	-101.847916	254261.2134755997	344901.138	3802.175543683548	3589.9613698751457	3539.9613698751457	3563.3427117569246	109.571456702692	50.20179841800014
114	116	85214	-296361.1413	868297.3170250766	39.25502043	-101.8455864	254462.3301591647	344907.85077176	3801.2823449498	3588.35938003872	3541.57652523419	3548.821276513942	109.571456702692	38.5120353188855
115	116	85215	-295701.1413	868297.3170250766	39.255040614592914	-101.8432568	254663.4466325121	344902.97481978	3799.663406475585	3586.514388770906	3542.893240359628	3541.809654146095	109.571456702692	41.7617848310017
116	116	85216	-295041.1413	868297.3170250766	39.25506073399449	-101.8409272	254864.56277280947	344902.898	3797.318731515876	3584.791864382	3543.69207608985	3540.4917562717738	109.571456702692	44.3774031158849
117	116	85217	-294381.1413	868297.3170250766	39.25508084841071	-101.8389578	255065.6789176813	344904.81444068	3794.974051992993	3583.0366945260754	3543.6639945260754	3540.4917562717738	109.571456702692	42.66920718217352
118	116	85218	-293721.1413	868297.3170250766	39.25510089782153	-101.836268	255266.79452438702	344902.7830935	3792.678392	3581.289055479011	3540.766124730093	3536.91152367301	109.571456702692	44.3774031158849
119	116	85219	-293061.1413	868297.3170250766	39.25512094616582	-101.8338109	255466.165821027347	344902.7830935	3792.678392	3581.289055479011	3540.766124730093	3536.91152367301	109.571456702692	44.3774031158849
120	116	85220	-292401.1413	868297.3170250766	39.2551408616582	-101.831809	255666.165821027347	344902.7830935	3792.678392	3581.289055479011	3540.766124730093	3536.91152367301	109.571456702692	44.3774031158849
121	116	85221	-291741.1413	868297.3170250766	39.2551607606122	-101.8292793	255870.1401860							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatH2oLog.ft	SatH2oBoth.ft
200	ix	85303	-237621.1413	868297.3170250766	39.56664063575974	-01.6382491	272360.7655184683	3448574.6474848571	3642.257025086124	3471.660514932187	3437.070269956027	3452.46748687136424	34.59024497616019	19.18382776872477
204	ix	85304	-236961.1413	868297.3170250766	39.56656815453364	-01.6350914	27261.8611742405	3448570.38368636	3639.567070305993	3470.2842480420407	3436.899272556725	3450.73845837375036	33.3850227864749	19.54578957030655
206	ix	85305	-236301.1413	868297.3170250766	39.566672860109206	-01.6338949	272762.9665514981	3448566.50476826	3638.871735975074	3468.638263287616	3438.589248659273	3445.683288323873	32.32718849775195	20.26359064295386
206	ix	85306	-235641.1413	868297.3170250766	39.5666803978634	-01.6312601	272964.0517314447	3448562.457256275	3634.187178	3467.585353	3436.46089843516	3447.897611261081	31.751120570864028	18.687741291119437
207	ix	85307	-234981.1413	868297.3170250766	39.566705044650225	-01.6289304	273165.146687291	3448558.394217933	3630.366623545754	3460.2603964459045	3436.0984352326253	3446.467217156031	30.16196227921915	19.79267520873588
208	ix	85308	-234321.1413	868297.3170250766	39.56672108414528	-01.6266007	273366.24141923746	3448554.313694255	3625.411662389154	3464.9511662389154	3435.819269876777	3446.001772306127	29.13962619329	18.943930325235
209	ix	85309	-233661.1413	868297.3170250766	39.56673704	-01.6242471	273567.3359274885	3448550.268704349	3620.4643820153774	3463.657392798547	3435.372090029244	3445.7022818085347	28.28507268618908	17.97652530782588
210	ix	85310	-233001.1413	868297.3170250766	39.566752948510204	-01.6219413	273768.4201225114	3448546.206234462	3615.51320611310234	3462.371345846693	3434.982113663848	3445.538211727296	27.3952920653767	16.8392285739966
211	ix	85311	-232341.1413	868297.3170250766	39.566768819159463	-01.6198116	273989.52457272884	3448542.1438494872	3612.801071030116	3461.009318044785	3434.05863424257	3445.516856342575	27.050678762421285	15.588716170230986
212	ix	85312	-231681.1413	868297.3170250766	39.56678453288089	-01.6171282	274170.6181121289	3448540.081849808	3610.237942902172	3459.85372178959	3433.668029304265	3445.456277252783	26.1897125854276	13.974474550690567
213	ix	85313	-231021.1413	868297.3170250766	39.56680040756833	-01.6145623	274371.71727567	3448538.402	3611.85481474225	3458.610258751475	3432.9090267393014	3445.3030913584617	25.30071340859456	13.37071340859456
214	ix	85314	-230361.1413	868297.3170250766	39.56681613752174	-01.6126226	274572.8051205142	3448529.958212047	3611.81686642571	3457.37669364297	3432.464788655051	3444.67514824904	24.9138071137817	12.7510544391631
215	ix	85315	-229701.1413	868297.3170250766	39.566831829417915	-01.6102929	274773.8983	3448525.896674538	3610.064200260396	3456.1588423179835	3431.6053891782093	3444.58855976335	24.55345313588418	11.65005630340936
216	ix	85316	-229041.1413	868297.3170250766	39.56684746163861	-01.6079632	274974.9135424273	3448517.83524273	3607.90236085475	3454.9509759672865	3430.613777302023	3443.470890501242	23.3719866436314	11.4729169604522
217	ix	85317	-228381.1413	868297.3170250766	39.5668603633125	-01.6056335	275176.0839651306	3448517.16741238	3605.740519702706	3453.74575266033	3429.615439	3443.176789751781	24.13905795514282158	11.4719697514282158
218	ix	85318	-227721.1413	868297.3170250766	39.56687690025126	-01.6033308	275377.1746493695	3448515.131	3603.578675850426	3452.571707577696	3428.5416747684964	3443.0232041896357	24.0223207280074	11.647714658143853
219	ix	85319	-227061.1413	868297.3170250766	39.566894171022024	-01.6009741	275578.268751905	3448509.652	3601.388992898862	3451.398854106262	3427.400329791672	3443.2488624845293	23.99662314268906	11.47197412132513
220	ix	85320	-226401.1413	868297.3170250766	39.56690957041647	-01.5986444	275779.36081311665	3448505.591795462	3599.17742627485	3450.234892917074	3426.061566602656	3443.457553977193	24.173263139071793	11.7872759510056
221	ix	85321	-225741.1413	868297.3170250766	39.5669248511384	-01.5963147	275980.4526530395	3448501.531381284	3596.953295194737	3449.084217160465	3424.690658442736	3426.359018851422	24.0831513772933	12.25719728
222	ix	85322	-225081.1413	868297.3170250766	39.5669403481237	-01.593985	276181.5442719376	3448497.41154307	3594.376402	3447.945172047965	3424.2411739451523	3423.734013091971	23.7340410281415	11.25687589595969
223	ix	85323	-224421.1413	868297.3170250766	39.5669557951196	-01.5916553	276382.63600701186	3448493.41114516	3592.45823355155	3446.818324996774	3424.679370473473	3427.46239697743	22.13838723660476	10.3917456323966
224	ix	85324	-223761.1413	868297.3170250766	39.56697059271262	-01.5893256	276583.726474698	3448489.351261908	3588.4359377671495	3445.704082176565	3423.7138339548	3428.174151171337	20.95876807616786	16.52967005322802
225	ix	85325	-223101.1413	868297.3170250766	39.5669857144832	-01.5870917	276784.81790451396	3448482.873534104	3586.867556545775	3438.284717897444	3427.7865292781295	3433.968871114574	20.4198637858360173	14.17989769741487
226	ix	85326	-222441.1413	868297.3170250766	39.56700138316974	-01.5848662	276985.9084313546	3448481.232118023	3583.84103559139	3443.517477287527	3425.6550145699043	3431.723719624842	17.86624717622748	11.79375765270308
227	ix	85327	-221781.1413	868297.3170250766	39.56701653	-01.5823365	277186.9991	3448477.172827902	3581.131093388294	3442.45565595553	3425.85914393222	3432.640176482412	16.86865156323105	9.80548952714078
228	ix	85328	-221141.1413	868297.3170250766	39.567031628025196	-01.5800068	277388.08935523446	3448473.11032365	3578.507378054749	3441.386905517915	3426.042182821357	3433.046146203465	17.84374973897794	8.34075897566828
229	ix	85329	-220461.1413	868297.3170250766	39.56704682730696	-01.5776771	277589.173426843	3448469.438762635	3575.88636402228	3440.340047917318	3427.273743042504	3433.5889	13.06643097311782	6.75114788438131
230	ix	85330	-219801.1413	868297.3170250766	39.56706162437084	-01.5753744	277790.2699207476	3448464.99607651	3573.259943339965	3439.305173626222	3427.522033090623	3433.57296	11.783142327139558	5.732212568042087
231	ix	85331	-219141.1413	868297.3170250766	39.567076657144832	-01.5730176	277981.35891636395	3448462.532075299	3569.3628413829	3437.887267170289	3424.717894293957	3432.417894293957	10.42415402665144	4.19256464854184
232	ix	85332	-218481.1413	868297.3170250766	39.5670917685326	-01.5706789	278192.484395326	3448456.9171786805	3565.7095123795175	3437.280905077175	3426.9342162907349	3432.652711850977	9.1679315201749	11.6719315201749
233	ix	85333	-217821.1413	868297.3170250766	39.56710645156122	-01.5683582	278393.5375506434	3448452.821010373	3561.545492845454	3436.293797811586	3428.391939365434	3435.775007367739	7.90710846415134	0.5187900134196752
234	ix	85334	-217161.1413	868297.3170250766	39.5671212817064	-01.5660285	278594.6265324485	3448448.763092191	3557.3840461989303	3432.97462324978	3428.19248324978	3436.17760225879	7.135463204401276	0
235	ix	85335	-216501.1413	868297.3170250766	39.567136065981236	-01.5636808	278795.715297458	3448444.705230573	3553.88450886791	3434.385540238345	3428.760414695906	3436.0941749066565	6.255125272433252	0
236	ix	85336	-215841.1413	868297.3170250766	39.56715108059229	-01.5613691	278996.8036435097	3448443.61762063	3551.0457672915045	3433.4656188788434	3429.399961124307	3435.306856565632	4.065267564096905	0
237	ix	85337	-215181.1413	868297.3170250766	39.567165500441003	-01.5593094	279197.892176135	3448436.59028142	3548.20752715093	3432.36527519589	3433.36527519589	3433.36527519589	2.2004135731330243	0
238	ix	85338	-214521.1413	868297.3170250766	39.567180657116504	-01.5567707	279398.96071480697	3448432.532075299	3546.3628413829	3431.887267170289	3424.717894293957	3432.417894293957	0.2900219523939332	0
239	ix	85339	-213861.1413	868297.3170250766	39.5671945242956	-01.5543799	279600.0682	3448426.4592626	3543.14424293233	3430.87619975801	3423.9038728869042	3434.638971	0	0
240	ix	85340	-213201.1413	868297.3170250766	39.5672093154322	-01.5520502	279801.1558507261	3448424.419070816	3541.534902069196	3429.951943265207	3424.5353867	3423.57067325524	0	0
241	ix	85341	-212541.1413	868297.3170250766	39.56722382925455	-01.5497205	280002.323699163	3448416.336299133	3538.925611214713	3429.187188831886	3436.4315551105065	3431.608182436924	0	0
242	ix	85342	-211881.1413	868297.3170250766	39.56723828972226	-01.5473908	280203.33055006026	3448416.305914565	3536.316226033413	3428.342536781346	3437.882752349148	3437.2937609149567	0	0
243	ix	85343	-211221.1413	868297.3170250766	39.56725272368753	-01.5450061	280404.4176	3448412.246816991	3535.75587696454	3427.5353153393094	3438.595186	3440.372880706677	0	0
244	ix	85344	-210561.1413	868297.3170250766	39.56726710340333	-01.5427313	280605.5043829647	3448408.193500449	3532.24534032964	3426.73071967984	3438.818640373642	3441.0414455405897	0	0
245	ix	85345	-209901.1413	868297.3170250766	39.56728217738138	-01.5404138	280806.961392517	3448404.193500449	3529.42493984927	3425.4421193900742	3437.070269956027	3445.4421193900742	0	0
246	ix	85346	-209241.1413	868297.3170250766	39.56729572787337	-01.5387019	281007.677455016	3448400.081844452	3525.219066159052	3425.10195934251	3438.798407340446	3441.54533455903	0	0
247	ix	85347	-208581.1413	868297.3170250766	39.56730997256046	-01.5357422	281208.7636104407	3448396.02629497	3524.96378517381	3424.2603256317134	3427.076994121113	3439.388447537096	0	0
248	ix	85348	-207921.1413	868297.3170250766	39.56732417227994	-01.5334124	281409.845646621	3448392.93023256	3524.971191073872	3423.38635443295				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEvLogsKrg.	BRIEvBothKrg.	SurfBothKrg.	SatHBothKrg.
29	158	85429	-154861.1413	868297.3170250766	39.25832490335942	-101.344702	297687.1136575652	4348064.106919354	341.744690140822	322.921624686511185	322.921624686511185	322.921624686511185	322.921624686511185	22.29352404347127
330	158	85430	-153801.1413	868297.3170250766	39.258335413024675	-101.3437222	297688.18261273013	4348060.66865537	340.5745369322143	326.5042064585453	326.7537988327	327.194985	32.74648960276142	23.345301467193127
331	158	85431	-153141.1413	868297.3170250766	39.258344587683636	-101.340024	29869.5146916974	4348056.029969066	340.7370389717805	326.5653589232951	322.3415836911307	327.0254687067007	32.74648960276142	26.30540493193697
332	158	85432	-152481.1413	868297.3170250766	39.258356239735555	-101.3377126	298300.3202719323	4348051.987	340.8715499774604	326.557588809558	322.54047160090921	329.1004160090921	32.74648960276142	27.145712080637126
333	158	85433	-151821.1413	868297.3170250766	39.25836667201612	-101.3353282	298501.3883689505	4348047.948	340.7713800771668	325.58478112496	323.440335783074	326.05511	24.14439232422317	28.52961786869541
334	158	85434	-151161.1413	868297.3170250766	39.2583770167499	-101.333053	298702.456548519	4348043.908511922	340.471600177601	325.56711715309	322.36779848421	323.240487639848	29.5471230487944	29.5471230487944
335	158	85435	-150501.1413	868297.3170250766	39.25838726632216	-101.3307232	298903.5421429654	4348039.8693899	340.674874099058	326.58368629221	322.36411130959598	322.1044425515883	24.242567569261155	30.8933043337928
336	158	85436	-149841.1413	868297.3170250766	39.2583972559871	-101.328394	299104.5922786976	4348035.34054209	339.390216845015	324.57353661254	324.25802299945	324.25802299945	32.74648960276142	31.11870366
337	158	85437	-149181.1413	868297.3170250766	39.25840772	-101.3260636	299305.65894745238	4348031.58519771	338.7930389717805	326.5653589232951	322.3415836911307	327.0254687067007	32.74648960276142	26.30540493193697
338	158	85438	-148521.1413	868297.3170250766	39.25841770239304	-101.3237338	299506.727159699	4348027.73141805	338.819052338993	324.52870569993	322.298230904306	322.146234544676	24.23041469535024	32.08236234345624
339	158	85439	-147861.1413	868297.3170250766	39.25842797494439	-101.3214041	299707.79439345165	4348023.714760513	338.4257460271314	324.45899861379	321.28923524076847	320.7980655997	24.23041469535024	32.08236234345624
340	158	85440	-147201.1413	868297.3170250766	39.2584380459315	-101.3190743	299908.86137110775	4348018.67657449	338.0425855190528	324.405160783285	321.153782196563	320.785370087099	24.311324584722115	31.67140698185874
341	158	85441	-146541.1413	868297.3170250766	39.25844804924013	-101.3167445	300019.92815213953	4348015.83675017	337.6583865510267	324.3869915654134	321.8854022007617	320.6758591092	24.311324584722115	31.6681379431343
342	158	85442	-145881.1413	868297.3170250766	39.25845801888539	-101.3144147	300310.9947367532	4348011.600726815	337.274705643177	323.368580530555	321.67527692089	320.5446607856916	24.311324584722115	31.6419197486339
343	158	85443	-145221.1413	868297.3170250766	39.25846794352883	-101.3120849	300521.06112515298	4348007.56312112	336.994492442946	324.344922926069	320.62971110733292	321.565228237598	24.311324584722115	31.6419197486339
344	158	85444	-144561.1413	868297.3170250766	39.2584778231047	-101.309751	300713.1273175476	4348003.52657832	336.8320074	322.30099412414	320.6771095651103	31.8634714065976	25.1330965731066	31.637722574264726
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346	158	85446	-143241.1413	868297.3170250766	39.25849747444821	-101.3050955	301135.2911512336	4347995.451344051	336.4975300523994	322.80721957732	320.7714125858102	31.92719110852496	25.1321475733683	31.637722574264726
347	158	85447	-142581.1413	868297.3170250766	39.25850719208428	-101.3027657	301316.3427027076	4347991.44457537	336.418431382633	322.44279655122	31.988260232903	31.898791224105297	25.1321475733683	31.637722574264726
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349	158	85449	-141261.1413	868297.3170250766	39.25852965435079	-101.2981061	301718.4564555504	4347983.31243299	336.306976601751	322.221033276858	31.9404625347156	31.8468327930569	25.1321475733683	31.637722574264726
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352	158	85452	-139281.1413	868297.3170250766	39.258555240236106	-101.2911167	302321.6498249623	4347971.232814949	337.101715857794	321.575968821896	31.8614637537648	31.7554553468204	25.1321475733683	31.637722574264726
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356	158	85456	-136641.1413	868297.3170250766	39.25859327	-101.2817914	303125.904122243	4347955.09885878	334.8203540677894	322.2714080697347	31.7630371856776	31.7534754720346	25.1321475733683	31.637722574264726
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358	158	85458	-135321.1413	868297.3170250766	39.25861112952916	-101.2771378	303528.45496567	4347947.02096118	334.4287009633	322.048349645343	31.8701891202778	31.7661181352453	25.1321475733683	31.637722574264726
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363	158	85463	-132021.1413	868297.3170250766	39.2586569599318	-101.2654848	304533.34800407686	4347926.48969549	333.1497698786587	31.57805411117376	31.56225992021066	31.563428768	25.1321475733683	31.637722574264726
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365	158	85465	-130701.1413	868297.3170250766	39.25867490019425	-101.260892	304935.472424592	4347918.78234013	331.07795306845	31.568763183762	31.555751530261126	31.549878833419	25.1321475733683	31.637722574264726
366	158	85466	-130041.1413	868297.3170250766	39.2586837997194	-101.2584993	305136.35437500755	4347914.748909915	332.384304710839	31.64326931196832	31.64248411631007	31.5457376873549	25.1321475733683	31.637722574264726
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368	158	85468	-128721.1413	868297.3170250766	39.25870143397926	-101.2538397	305538.6576854296	4347906.62850667	332.3164643022844	31.794867366755034	31.57349169992929	31.63361317	25.1321475733683	31.637722574264726
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370	158	85470	-127401.1413	868297.3170250766	39.2587188991503	-101.2491801	305940.7801924757	4347896.617454751	331.01820261834963	31.744368084868	31.52849581521293	31.52849581521293	25.1321475733683	31.637722574264726
371	158	85471	-126741.1413	868297.3170250766	39.25872761827276	-101.246923	306182.9015747036	4347892.782126161	330.752592502533	31.70798152329803	31.525745	31.525745	25.1321475733683	31.637722574264726
372	158	85472	-126081.1413	868297.3170250766	39.25873618232768	-101.2447005	306432.9015747036	4347888.520930836	330.752592502533	31.70798152329803	31.525745	31.525745	25.1321475733683	31.637722574264726
373	158	85473	-125421.1413	868297.3170250766	39.2587447569004	-101.2421906								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVbothKrg.ft	SatHtLogKrg.ft	SatHtbothKrg.ft
445	156	85555	-71301.14133	86829.3170250766	39.592942728313506	-105.0511442	32030.304802136	4347556.52576381	3149.662536933097	2924.9834516819196	2924.4880294382597	2937.50337025224	45.4954224365996	57.48008142675465
456	156	85556	-70641.14133	86829.3170250766	39.5929695765391	-101.0488143	32321.35001677787	4347552.508634504	3147.6981339513207	2922.3582634860043	2930.574949604545	51.1341153413076	62.9129020786901	62.9129020786901
457	156	85557	-69861.14133	86829.3170250766	39.5930438189098	-101.0466485	32430.59481963298	4347552.4911963298	3145.733473131467	2920.041817871447	2930.4115310981326	2932.220232170613	71.63029679211559	69.81529679211559
458	156	85558	-68232.14133	86829.3170250766	39.59309311324576	-101.0441564	32633.44057593473	4347552.463593473	3149.746367584798	2900.63770511204	2916.4636751329313	2913.4001403572289	59.23074251	59.23074251
459	156	85559	-68661.14133	86829.3170250766	39.59303181565713	-101.0418248	32383.48547	4347552.45985764	3141.9045817480524	2969.268116128916	2916.653084827428	2930.427569360547	72.61503130148222	58.84054673911334
460	156	85560	-68850.14133	86829.3170250766	39.5930347498392	-101.0394949	32403.5305365467	434753.4644	3140.140272481476	2967.944887831616	2914.785535370732	2925.107320190024	73.15932546088429	62.83756812613775
461	156	85561	-67341.14133	86829.3170250766	39.5932308930729	-101.037165	324236.5751029147	434753.242825875	3138.376616642375	2966.6616642375	2912.856821590482	2922.207162122551	74.8002363483	64.45700431
462	156	85562	-66681.14133	86829.3170250766	39.59327568627235	-101.0348352	324437.6197	4347528.41737983	3136.611159984147	2965.425772915172	2910.9225009581887	2925.743168479201	73.50372196	61.6800443397051
463	156	85563	-66021.14133	86829.3170250766	39.5933216294372	-101.0329053	324638.6647228819	434752.80470712	3135.010702113967	2964.2285592436265	2909.414637896213535	2914.63879056614286	74.88977056614286	68.58977056614286
464	156	85564	-65561.14133	86829.3170250766	39.593373665	-101.0301755	324838.7020329563	434752.30225721	3133.574446718163	2963.07503321155	2908.547063314599	2907.74110481807	74.5235072	67.3320484933476
465	156	85565	-64701.14133	86829.3170250766	39.593341	-101.0278456	325040.7522	4347516.3672881145	3132.138191318008	2961.353321	2908.473393149072	2907.623852857281	74.479923265575	73.300281284891
466	156	85566	-64041.14133	86829.3170250766	39.593345485872515	-101.0255158	325241.7960095437	434751.1523508765	3130.7019359176585	2960.77798990711	2908.7606713293817	2910.7875288175	70.1171266	70.0904070253968
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468	156	85568	-62721.14133	86829.3170250766	39.5933412947437	-101.0208651	325643.88319677	4347504.332305933	3127.1793198592424	2978.846571208675	2906.595504809427	69.9999500169861	72.2875114009464	72.2875114009464
469	156	85569	-62661.14133	86829.3170250766	39.59335836377008	-101.0185262	325844.9264374932	4347500.3998262435	3125.306998949298	2977.887238201687	2907.1473420796881	70.7399862	74.0273002	74.0273002
470	156	85570	-61401.14133	86829.3170250766	39.59341321853917	-101.0161964	326045.9695278356	4347496.295240404	3123.4440020485748	2976.96233090413	2904.0778958231285	2900.00032150839	72.8844350628461	72.8844350628461
471	156	85571	-60741.14133	86829.3170250766	39.5936677535087	-101.0138665	326247.0125381985	4347492.281912126	3122.5017482652433	2976.0699347852433	2900.3631015765233	2905.5138037891457	75.7068337261096	75.7068337261096
472	156	85572	-60081.14133	86829.3170250766	39.5937037663614	-101.0115366	326448.0553377865	4347496.267723499	3122.495277604146	2975.2109718186025	2906.69399490912	2894.958728878327	75.5102323769058	80.2522493076984
473	156	85573	-59421.14133	86829.3170250766	39.5937349	-101.0092068	326649.097958065	4347484.254201015	3122.4886804296524	2974.382506128737	2893.48024827367	2890.98525687497	75.8002578879789	83.3724954125813
474	156	85574	-58761.14133	86829.3170250766	39.593737898019593	-101.0068769	326850.1404146597	4347480.24034763	3122.482084281267	2973.580775398648	2890.812773126107	2885.266287348383	81.7802272537807	81.7802272537807
475	156	85575	-58101.14133	86829.3170250766	39.59382664	-101.0045471	327051.182795963	4347476.227831738	3121.5810935641031	2972.801906243264	2892.11089433264	2878.407238236323	83.6808181	93.3431671963032
476	156	85576	-57441.14133	86829.3170250766	39.593966977008	-101.0022172	327252.248224976	4347472.21404929	3115.7857061816888	2972.542236364484	2891.65345395951	2880.567107597147	84.2483197	91.4848766067317
477	156	85577	-56781.14133	86829.3170250766	39.5940132898077	-101.0009892	327463.2898077	4347468.01327742	3115.01953365874	2971.9473274056547	2891.258628115234	2881.351289204299	90.235602049074	90.235602049074
478	156	85578	-56121.14133	86829.3170250766	39.5939454777304	-100.9975575	327654.305535327	4347464.18906927	3116.194935222663	2970.56434461176	2886.712427559999	2885.455733218954	83.3480090117699	85.10870124
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483	156	85583	-52821.14133	86829.3170250766	39.5941321853917	-100.9859892	328659.514837629	4347444.129623398	3105.111107670398	2966.7483423989884	2887.196718693147	2883.330959436964	79.34867210725545	79.34867210725545
484	156	85584	-52161.14133	86829.3170250766	39.59416773781628	-100.9835784	328860.5517313023	4347440.1141233161	3102.789375950547	2966.7483423989884	2887.196718693147	2883.330959436964	76.9091152423674	76.9091152423674
485	156	85585	-51501.14133	86829.3170250766	39.5942330230208	-100.9812485	329061.596320176	4347436.106897037	3100.4275051232368	2965.56082827161	2888.240554533826	2897.256923293017	76.1882349363154	68.30389674014183
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488	156	85588	-49521.14133	86829.3170250766	39.594306	-100.9742589	329646.7171411023	4347420.074212235	3094.32047116289147	2963.40352647211	2904.1152382048296	2893.09132643553	65.8287137228154	70.3930226035979
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490	156	85590	-48201.14133	86829.3170250766	39.5943762589667	-100.9696992	329894.769555681	4347416.05327742	3093.210195336584	2961.9473274056547	2891.258628115234	2881.351289204299	90.235602049074	90.235602049074
491	156	85591	-47541.14133	86829.3170250766	39.5944038777275	-100.9672693	329867.83645573905	4347412.042323196	3091.502269256476	2961.215962809616	2915.31483651011	2903.4001403572289	63.8110963572882	63.8110963572882
492	156	85592	-46881.14133	86829.3170250766	39.5944381159069	-100.9649395	330084.8768	4347408.03258732	3089.144333090275	2960.48244516973	2917.41057731923	2894.2253867184	40.7238679045073	66.2575906497895
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494	156	85594	-45561.14133	86829.3170250766	39.5945012	-100.9602798	330870.954298561	4347400.013885027	3087.428038176628	2959.014272801453	2919.683222410218	2913.3301059132311	45.6371802021311	45.6371802021311
495	156	85595	-44901.14133	86829.3170250766	39.5945319920806	-100.9579499	331071.993245886	4347396.004475769	3083.187105879167	2958.27998878111	2919.8965049882202	2912.277407714502	38.382938289205	46.0205161569055
496	156	85596	-44241.14133	86829.3170250766	39.5945623847604	-100.955602	331273.032835936	4347391.995251615	3083.0614711991834	2957.543902965745	2919.2857377105424	2904.505671694164	38.2589651850613	48.49323110442995
497	156	85597	-43581.14133	86829.3170250766	39.594593782628	-100.9532982	331476.1298459813	4347387.014981433	3081.641798460511	2956.78144798460511	2917.6414798460511	2903.4001403572289	49.68296982438	49.68296982438
498	156	85598	-42921.14133	86829.3170250766	39.594621781794035	-100.9509363	331675.1091	4347383.9735268	3080.8102014843023	2956.07537282205	2915.320625971006	2910.480340417493	40.74745845820616	45.9506840481208
499	156	85599	-42261.14133	86829.3170250766	39.5946505896171	-100.9486305	331876.1473888806	4347379.96889167	3081.9974331826093	2955.33444418				

ix	iy	x	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevKgr.h	SurfElev.f	SurfElev.h
581	ix581	11858.85867303351	868297.3170250766	39.259550081440615	-100.755814	438360.747899187	4347051.8866561	2970.550303533468	2686.04506569229	2791.046615657789	2791.664974171732	74.9884054305682	74.3800912506293
582	ix582	12518.85867303351	868297.3170250766	39.259549250310765	-100.755215	438691.7271710349	4347047.893234599	2968.605045547348	2864.118670664032	2790.04336129449	2790.673130284136	74.0754334559402	73.355740471
583	ix583	13178.85867303351	868297.3170250766	39.25954924717671	-100.752917	438962.7846611913	4347019.945894372	2968.605045547348	2864.118670664032	2790.04336129449	2790.673130284136	74.0754334559402	73.355740471
584	ix584	13838.85867303351	868297.3170250766	39.259547453039055	-100.750518	439693.8235732651	4347008.9307194897	2968.384229036325	2860.180208763023	2787.3119211745975	2787.81395345192	72.87287759	72.3752014812723
585	ix585	14498.85867303351	868297.3170250766	39.25954648689749	-100.7482619	439164.848502689	4347035.91406617	2967.885443801833	2858.185974170024	2785.2253421818273	2785.3479281129268	72.9606322317512	72.83804629
586	ix586	15158.85867303351	868297.3170250766	39.25954547572056	-100.7459321	439465.8732871865	4347031.921802628	2967.386554070142	2856.15738933421	2782.511405631207	2782.2643614147628	73.005006212412	73.839059186545
587	ix587	15818.85867303351	868297.3170250766	39.2595441960276	-100.7436022	439669.8979251704	4347027.93282919	2965.712635526233	2854.103698481824	2781.500266745552	2781.0369848183975	72.9606322317512	73.005006212412
588	ix588	16478.85867303351	868297.3170250766	39.25954332	-100.7412723	439767.9225170043	4347023.93145504	2962.853203516336	2852.02509941238	2782.4256971007373	2782.255654633883	69.5965128049778	69.7695530353224
589	ix589	17138.85867303351	868297.3170250766	39.25954217222911	-100.738942	439869.946932344	4347019.945894372	2960.01427151046	2849.9223064078865	2780.36845825597	2781.0431895307493	54.4950310002762	54.4950310002762
590	ix590	17798.85867303351	868297.3170250766	39.25954091131266	-100.7365126	4350169.971063562	4347015.95327242	2957.164874	2847.795213554233	2782.217201339354	2784.095789375184	63.69532181145514	63.69532181145514
591	ix591	18458.85867303351	868297.3170250766	39.25953974456658	-100.7342827	4350370.991893656	4347011.96154757	2955.900752784161	2845.4650204584	2778.8142601549785	2784.64423293681	65.831416690539	65.831416690539
592	ix592	19118.85867303351	868297.3170250766	39.25953843798066	-100.7319629	4350572.01928308	4347007.97046331	2956.22173652914	2843.4764718857073	2775.96643432353	2780.8807148728234	67.51003749335405	67.51003749335405
593	ix593	19778.85867303351	868297.3170250766	39.259537137625685	-100.7296323	4350773.0427931937	4347003.97873212	2954.728295931485	2841.287958931485	2771.383766130462	2776.5868157145863	69.04916246	69.04916246
594	ix594	20438.85867303351	868297.3170250766	39.2595357	-100.7272931	4350974.0664111246	4346999.97660158	2956.8753858241	2839.0813740277194	2766.9917126103327	2766.9917126103327	72.0896141739575	72.0896141739575
595	ix595	21098.85867303351	868297.3170250766	39.2595343026948	-100.7249633	435176.9508899341	4346995.96025998	2956.2487970144193	2838.658141374277	2763.950679364048	2768.120059526426	73.274621022888	73.274621022888
596	ix596	21758.85867303351	868297.3170250766	39.2595328098502	-100.7226334	435176.9508899341	4346992.05084939	2951.697809	2834.619813828714	2761.34406455203	2763.950679364048	73.274621022888	73.274621022888
597	ix597	22418.85867303351	868297.3170250766	39.25953138289791	-100.7203035	4351577.134080582	4346988.0153174745	2948.16482178804	2832.36838206185	2759.900290295613	2760.320538273786	74.2623853	74.2623853
598	ix598	23078.85867303351	868297.3170250766	39.259529831706416	-100.7179377	435176.9508899341	4346984.02432401	2944.59631647421	2830.1066301233544	2759.09051	2774.83671223544	70.0162104	70.0162104
599	ix599	23738.85867303351	868297.3170250766	39.25952823511084	-100.7156438	4351979.1823052656	4346980.304715304	2938.9267159618	2827.83965633124	2758.6740425944	2771.1566427959466	69.16611231	69.16611231
600	ix600	24398.85867303351	868297.3170250766	39.259526565431192	-100.7133139	4352180.2051063265	4346976.04469475	2934.138147759987	2825.5619231375663	2758.567441	2768.6217379180354	69.9448187444614	69.9448187444614
601	ix601	25058.85867303351	868297.3170250766	39.25952508010896	-100.7109841	435281.2271877644	4346972.05480989	2928.35019395781	2823.284300436637	2758.7480498821373	2766.1191363736616	64.5002505	64.5002505
602	ix602	25718.85867303351	868297.3170250766	39.2595237690217	-100.708642	435282.5021880176	4346968.06519323	2922.56189958693	2821.0739325801778	2759.924870071769	2761.9932400300167	61.0625230378599	61.0625230378599
603	ix603	26378.85867303351	868297.3170250766	39.2595224685925	-100.7063017	435296.548427965	4346912.23032315	2916.81415198454	2819.234361886541	2758.7480498821373	2766.1191363736616	55.176934346979	55.176934346979
604	ix604	27038.85867303351	868297.3170250766	39.25951957947719	-100.703945	435298.294690579	4346960.0843286	2908.820112134784	2816.469833119673	2764.19620516519	2765.994673655116	52.27459314006	52.27459314006
605	ix605	27698.85867303351	868297.3170250766	39.25951773158584	-100.701646	435315.316731738	4346957.09732857	2901.588408070402	2814.21401227516	2767.288536135154	2768.517802707836	46.697313965732614	46.697313965732614
606	ix606	28358.85867303351	868297.3170250766	39.2595158	-100.6993348	435336.3386734943	4346952.10480585	2894.356630354625	2811.9763063025573	2770.706433	2771.6064303595474	41.2698736654719	41.2698736654719
607	ix607	29018.85867303351	868297.3170250766	39.25951385	-100.6970049	435387.360345979	4346948.11962701	2891.39920384927	2809.782122127337	2773.4286235656725	2774.30176951878	35.65412646	35.65412646
608	ix608	29678.85867303351	868297.3170250766	39.25951184455161	-100.694675	435378.3820933114	4346944.13120919	2892.761344733217	2805.63183263255	2773.232087	2774.0674962769094	34.281061875771	34.281061875771
609	ix609	30338.85867303351	868297.3170250766	39.259509798348255	-100.6923452	435378.3820933114	4346944.13120919	2892.761344733217	2805.63183263255	2773.232087	2774.0674962769094	34.281061875771	34.281061875771
610	ix610	30998.85867303351	868297.3170250766	39.25950790913	-100.6900153	4354190.14569175	4346938.154569175	2893.2440138713	2803.21414755022	2771.17137371481	2774.12137371481	31.432507	31.432507
611	ix611	31658.85867303351	868297.3170250766	39.259505507801705	-100.6878584	435431.446004877	4346932.16570804	2894.6989	2801.1198428738435	2754.08156820174	2754.08156820174	27.0532748527692	27.0532748527692
612	ix612	32318.85867303351	868297.3170250766	39.25950339625465	-100.6853556	435459.2465703051	4346928.1754816	2890.0080679746	2799.02723430119	2747.80633609404	2747.605252141476	51.4209182870137	51.4209182870137
613	ix613	32978.85867303351	868297.3170250766	39.259501163376974	-100.6830257	435479.4879614298	4346924.1911232015	2889.461149820214	2796.967251091837	2745.553395743727	2742.4867015925247	54.438553486545	54.438553486545
614	ix614	33638.85867303351	868297.3170250766	39.25949880212473	-100.6809658	435494.587289674	4346920.20367837	2886.8422283997	2794.2428092147205	2743.84671243757	2746.37528766277	56.4561377096348	56.4561377096348
615	ix615	34298.85867303351	868297.3170250766	39.259496598672	-100.678366	4355195.5295592254	4346916.21645212	2882.602451679941	2792.556542	2735.571371886657	2746.71962867801	57.1823028121256	57.1823028121256
616	ix616	34958.85867303351	868297.3170250766	39.2594942414695705	-100.676031	435526.548427965	4346912.23032315	2876.74181519854	2790.482316919472	2732.6583584896	2746.71962867801	57.1823028121256	57.1823028121256
617	ix617	35618.85867303351	868297.3170250766	39.2594918083455	-100.673762	4355597.57	4346908.24374304	2878.081178722297	2789.069071775927	2732.714970920997	2736.80552821857	56.3812019497324	56.3812019497324
618	ix618	36278.85867303351	868297.3170250766	39.2594935707814	-100.6713764	435578.5903963364	4346904.25572683	2865.020542	2787.2250637152585	2732.38232153804	2738.504603035147	54.9669305557438	54.9669305557438
619	ix619	36938.85867303351	868297.3170250766	39.2594868007144	-100.6690465	435599.610463501	4346900.269	2862.0933328624	2785.39434864502	2732.4573456158346	2737.18473614892	52.968924866749	52.968924866749
620	ix620	37598.85867303351	868297.3170250766	39.259484319532376	-100.6667167	4356200.6309121835	4346896.28265169	2862.09955347005	2783.600857698178	2732.130998905683	2734.4688717865897	51.46988573910895	51.46988573910895
621	ix621	38258.85867303351	868297.3170250766	39.2594817325388	-100.6643868	4356401.6502	4346892.26696986	2862.105773173076	2781.648633831325	2731.147710080267	2731.648633831325	49.1592044128774	49.1592044128774
622	ix622	38918.85867303351	868297.3170250766	39.25947911971635	-100.6620569	4356602.662962038	4346888.31	2862.111992761762	2780.17433505285	2729.512916	2728.711018967265	50.454230369606	50.454230369606
623	ix623	39578.85867303351	868297.3170250766	39.2594773043905	-100.6597372	4356824.62465705	4346884.33000278	2859.1619159854	2778.498209150713	2728.02819766314	2728.02819766314	47.1823028121256	47.1823028121256
624	ix624	40238.85867303351	868297.3170250766	39.2594737043905	-100.6573972	435704.70071715694	4346883.39322915	2859.1619159854	2778.498209150713	2728.02819766314	2728.02819766314	44.1823028121256	44.1823028121256
625	ix625	40898.85867303351	868297.3170250766	39.25946730810265	-100.6550673	4357205.727450586	4346876.35389902	2858.53647893496	2775.148639210651	2737.3738542664476	2734.1748491420321	43.740480149663254	43.740480149663254
626	ix626	41558.85867303351	868297.3170250766	39.2594681260554	-100.65273								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
707	116	85807	95016.85867307335	86829.2170250766	39.259009095505908	-100.464049.19	379688.8370551236	4346550.1734241818	2018.1039558069928	2586.20840640156745	2598.499058126834	2598.227832724099	59.712405888840294	59.9803174175151
708	116	85808	95016.85867307335	86829.2170250766	39.259004453483966	-100.461896	37989.8861626247	4346546.20137967	2817.225790358869	2586.890116205287	2596.417855361627	2596.1636201390414	60.4723080240201	60.7264901254125
709	116	85809	95016.85867307335	86829.2170250766	39.259017968903034	-100.463858	37409.874984981	4346542.25414863	3816.3417665	2655.578181740267	2594.170294298352	2593.905097455871	61.40982397528974	61.874503725328974
710	116	85810	96998.85867307335	86829.2170250766	39.25907151532395	-100.45703	374291.87791330415	4346538.26451311	2554.275485723155	2564.275485723155	2590.8529068430676	2590.637590090545	63.4164700931	63.644700931
711	116	85811	97658.85867307335	86829.2170250766	39.259066467975364	-100.4547001	374482.88680735306	4346534.294647898	2813.1727066154513	2562.97677399933	2588.3404904065657	2588.105452441392	64.6365724936711	64.87145295679357
712	116	85812	98318.85867307335	86829.2170250766	39.259057589715241	-100.4523703	374693.847807474363	4346530.35222045	2805.43736618805	2586.16366148805	2586.490540030317	2586.238252968586	65.14345138626144	65.445138626144
713	116	85813	98978.85867307335	86829.2170250766	39.259051270562225	-100.4500405	374894.90263731496	4346522.359564757	2805.7424522122687	2650.3952765430186	2585.749527688029	2585.49208923239	64.645788029239	64.8518712897793
714	116	85814	99638.85867307335	86829.2170250766	39.25904488969147	-100.4477106	375085.9103664717	4346526.386678023	2802.0266858713621	2651.11109791378	2586.3392200896265	2586.282440047738	62.7118897019129	62.9183904394055
715	116	85815	100298.85867307335	86829.2170250766	39.25903766237313	-100.4453808	375296.91787922071	4346518.17983653	2796.2716284495265	2647.638111602246	2587.381814698138	2587.3962016983067	63.81189168437404	64.07189168437404
716	116	85816	100558.85867307335	86829.2170250766	39.2590302077084	-100.443051	375497.925720825	4346514.445240475	2797.4785652652	2646.551141980293	2588.55295922218	2588.565521368934	57.9891820551079	57.8855128493563
717	116	85817	101618.85867307335	86829.2170250766	39.25902391416908	-100.4407211	375688.93294542853	4346510.840701348	2795.6820842193974	2645.273145	2589.424085812863	2589.5657375786814	58.848040927736814	58.7057681198776
718	116	85818	102128.85867307335	86829.2170250766	39.25901696254424	-100.4383913	375901.960419937684	4346505.512348569	2793.877116061336	2643.995203059942	2589.9232917663967	2590.03069168147	54.0728112935533	53.9645138
719	116	85819	102938.85867307335	86829.2170250766	39.25900995556935	-100.4360615	376100.9473413359	4346502.5447177107	2792.714052953917	2642.714325887031	2590.046909137364	2590.1682752631	52.63052134391874	52.495602134391874
720	116	85820	103598.85867307335	86829.2170250766	39.25900202434662	-100.4337316	376301.9543490764	4346498.508	2794.832271784745	2641.4299981269974	2589.817378156252	2589.970369489297	51.6126197272777	51.4596024704096
721	116	85821	104258.85867307335	86829.2170250766	39.25899583733465	-100.4314018	376502.9612846898	4346484.608	2794.410595890586	2640.142728231964	2588.8757613327307	2589.042148955301	51.26698698933466	51.1037637666261
722	116	85822	104918.85867307335	86829.2170250766	39.258987624726245	-100.429072	376703.9680253138	4346480.647611313	2794.979863016093	2638.852918138378	2587.21972996231	2587.261940873003	51.6331817805975	51.59097265078438
723	116	85823	105578.85867307335	86829.2170250766	39.25898152949873	-100.4267421	376904.9746853507	4346482.63322218	2796.318067374698	2637.5581285186777	2585.3497844733765	2585.396797000245	52.2083404530114	52.2074881865317
724	116	85824	106238.85867307335	86829.2170250766	39.25897413787722	-100.4244123	377105.9812	4346476.70606194	2795.428201616854	2636.2589572692245	2583.5827392722186	2583.513003	52.7257923473867	52.7257923473867
725	116	85825	106898.85867307335	86829.2170250766	39.258967041252895	-100.4220825	377306.98765114695	4346478.73893226	2795.53348962746	2634.9565405780576	2582.055246869055	2581.806882242218	52.129623869027	52.14966283318385
726	116	85826	107558.85867307335	86829.2170250766	39.25895972962536	-100.4197526	377507.9930733043	4346474.71023311	2796.6458497566343	2633.62218354227	2580.523671916805	2580.523671916805	53.12804634817565	53.33838513191904
727	116	85827	108218.85867307335	86829.2170250766	39.25895327996006	-100.4174228	377709.000145909	4346470.80593448	2795.996481157036	2632.349793165021	2579.039097725814	2579.969081427529	53.31588329439446	53.31588329439446
728	116	85828	108878.85867307335	86829.2170250766	39.25894491736348	-100.4150493	377919.0062171616	4346468.83872596	2794.47120380366	2631.65607	2577.529400466687	2577.493007762591	53.5327667723131	53.5357141
729	116	85829	109548.85867307335	86829.2170250766	39.25893724726245	-100.4128728	378111.0127172324	4346465.72331778	2794.06883201937	2629.754811716821	2575.942491863276	2575.942491863276	53.852529693971	53.852529693971
730	116	85830	110158.85867307335	86829.2170250766	39.25893003090294	-100.410333	378312.018	4346465.90573976	2793.475185180404	2628.40340525568	2573.930311037367	2574.1454065812	53.737271517007	54.13490219574571
731	116	85831	110858.85867307335	86829.2170250766	39.25892246449664	-100.4081035	3785183.0237888546	4346454.943091781	2792.774696587	2627.174583748504	2571.8093484646608	2572.808173903288	53.5653902834276	53.5653902834276
732	116	85832	111518.85867307335	86829.2170250766	39.25891491480636	-100.4057377	378714.029323798	4346450.974607378	2775.33210545426	2625.882379143471	2569.554186263297	2569.792157412295	56.3821928	56.0901632420161
733	116	85833	112158.85867307335	86829.2170250766	39.25890729	-100.4034438	378915.03482037876	4346449.08867816	2771.1945149828	2624.5852180489036	2566.990138222273	2567.188301	57.59507891756334	57.396917606633705
734	116	85834	112838.85867307335	86829.2170250766	39.258899651651181	-100.4011414	37916.040191414	4346443.403872729	2775.968295960135	2623.281376334236	2564.326999742179	2564.50219058965	58.9661253892036	58.7809344854384
735	116	85835	113498.85867307335	86829.2170250766	39.25889189989055	-100.3987842	379371.0454773916	4346439.54639128	2774.06883201937	2621.87538221184	2561.5206404039873	2561.5206404039873	59.0218666217758	59.0218666217758
736	116	85836	114158.85867307335	86829.2170250766	39.258884138206748	-100.3964913	379584.113269597	4346435.113269597	2770.808776874648	2620.54042424331	2559.1270321775313	2559.1270321775313	59.24286273843	59.24286273843
737	116	85837	114818.85867307335	86829.2170250766	39.25887363	-100.3941245	379719.0556115623	4346431.148	2757.584908353063	2619.3466918224944	2555.417583485124	2555.585105253746	63.9291084738207	63.76158566780945
738	116	85838	115478.85867307335	86829.2170250766	39.25886847989128	-100.3917947	379920.0650250905	4346427.18398996	2754.28946242731	2618.0209550895784	2551.46754168895	2552.32827393408	65.5450892026352	65.69277017023761
739	116	85839	116138.85867307335	86829.2170250766	39.25886058	-100.3894649	380121.0653142938	4346423.21819705	2754.289462554956	2616.687025202554	2547.75821871919	2549.180343745653	68.928046739628	67.5068146
740	116	85840	116798.85867307335	86829.2170250766	39.2588524156553	-100.3871351	380322.069933666	4346419.25489745	2754.84176554262	2615.34816668253	2550.00909604602	2550.7410340076	69.2547200677991	64.60378262574665
1	117	85841	-370941.1431	86895.2170250766	39.25426221552595	-102.1088534	378138.68813976748	4346408.64840076	3038.0359150414921	3817.86621845291	3738.74781272672	3737.1636978712592	77.91304718	80.49652085259592
2	117	85842	-370281.1431	86895.2170250766	39.2542678	-102.105228	378139.811316175	4346405.54639128	4038.213897461184	3816.138033815617	3734.031838202185	3732.464781751678	82.1065458	82.1065458
3	117	85843	-369621.1431	86895.2170250766	39.25431282	-102.1041934	378140.22104674963	4346402.4475099	3731.971829338164	3814.602583	3731.750816832723	3730.102824415184	82.5657769309282	84.5005003426948
4	117	85844	-368961.1431	86895.2170250766	39.2543379431158	-102.1018639	378142.02321701878	4346408.34280985	4026.402192098103	3813.053239446955	3730.57891485393	3728.73568791306	82.4654072961553	84.2796704329945
5	117	85845	-368301.1431	86895.2170250766	39.25436312858032	-102.0995344	378143.2465121601	4346404.24005771	4021.283005931377	3811.4895562075157	3728.416670761944	3726.765105181547	82.724913135729	84.724913135729
6	117	85846	-367641.1431	86895.2170250766	39.254338217857354	-102.0972409	378144.390413567	4346408.140919468	4016.543819701676	3809.911014465121	3725.667694922185	3724.6677047005	84.2433447290238	85.74480379063017
7	117	85847	-366981.1431	86895.2170250766	39.25441326214255	-102.0948754	378145.310420027	4346406.40020252	4012.45815673673893	3808.31704536283	3723.958733969019	3722.56812284604	85.49412906302414	85.7494037802722
8	117	85848	-366321.1431	86895.2170250766	39.25443821435936	-102.092548	378146.6775045024	4346403.93313526	4008.026763075347	3806.7017636798	3721.51721430567	3721.0106621947	85.1893514292216	85.6965143886158
9	117	85849	-365661.1431	86895.2170250766	39.2544631572745	-102.09029	378147.9236971678	4346401.81822339971	4003.026763075347	3804.7017636798	3719.82233390971	3718.251611686372	85.49412906302414	85.7494037802722
10	117	85850	-365001.1431	86895.2170250766	39.25448812504703	-102.087887	378149.3389869164	4346403.93313526	4002.701760532736	3731.750816832723	371			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKsg.f	BRiElevBoth.f	SatHtKsg.f	SatHtBoth.f
93	117	85933	-310221.1413	868957.3170250766	39.25639875139264	-101.8945344	450224.9200261222	434922.0408757421	3847.59075	35.02750205278332	3540.023419279507	3537.1234195825674	35.04838099732529	93.44868307542684
94	117	85934	-309641.1413	868957.3170250766	39.25641892119693	-101.8922248	450444.410426349	434921.9842054949	3847.98459453527	35.02811566423827	3542.722493604595	3534.49963603125	35.422348414221	93.71406385757
95	117	85935	-308901.1413	868957.3170250766	39.25644096561111	-101.8898752	450465.1653575705	434919.8266969875	3848.911236770032	35.02586181974516	3544.0546620214727	3530.121407284627	35.80351985334313	95.73478808894
96	117	85936	-308241.1413	868957.3170250766	39.2564605088683	-101.887456	450486.2834256405	434918.812558149	3848.51954915941	35.023254301945224	3543.448401706456	3523.490090295842	35.075009037682	100.0342070347954
97	117	85937	-307681.1413	868957.3170250766	39.25648300726824	-101.885216	451047.4406703536	434920.7319269915	3842.077861689927	35.021707563610116	3541.4984616819816	3516.720027003269	35.712947296304704	104.49072935774257
98	117	85938	-306921.1413	868957.3170250766	39.25650396571008	-101.8828864	451248.525	434919.6317184979	3839.631741784979	35.018266877785876	3538.817366653813	35.1834436403646	35.10932103202629	100.49201328222307
99	117	85939	-306261.1413	868957.3170250766	39.25652485541955	-101.8805567	451449.6641063125	434919.564654521	3836.884063309093	35.01676880698122	3535.03462014992	3521.327031845456	35.61444448113016	95.3517510566607
100	117	85940	-305601.1413	868957.3170250766	39.25654571527217	-101.8782271	451650.76451320338	434919.9481265836	3833.821344803382	35.01472787	3532.02913510512	3523.1292041432184	35.428737	91.3437306080142
101	117	85941	-304941.1413	868957.3170250766	39.25656655	-101.8759875	451851.841701361	434919.381114006	3830.78668977579	35.01230455867108	3529.65094439845	3523.332897	35.4787515586958	94.87659088406
102	117	85942	-304281.1413	868957.3170250766	39.25658772999972	-101.8735679	452053.033811245	434919.21331226	3827.696027153114	35.01184293525684	3529.40422473945	3522.879434301515	35.78036905172307	97.30486921516922
103	117	85943	-303621.1413	868957.3170250766	39.25660800485458	-101.8712383	452254.25217268008	434919.233232689	3824.49020845813	35.00810392050675	3527.677089737545	3524.40293515925	35.91873043458281	91.8873043458281
104	117	85944	-302961.1413	868957.3170250766	39.25662870472344	-101.8689086	452455.24166724522	434919.7940793116	3821.144770483784	35.006260110840086	3527.7568074618844	3508.227154861027	35.78034032214228	97.3035622240687
105	117	85945	-302301.1413	868957.3170250766	39.25664933952966	-101.866579	452656.30632455932	434919.073711112	3817.7926352551744	35.0046198499111	3528.367587990771	3521.3526051455	35.78037990084013	102.44869236645651
106	117	85946	-301641.1413	868957.3170250766	39.256669929473034	-101.864294	452857.48747732502	434919.98508062	3814.443849461934	35.002103301824154	3529.479023	3498.023967635264	35.72645073416451	104.07956254715145
107	117	85947	-300981.1413	868957.3170250766	39.25669047435366	-101.8619198	453068.59695952257	434919.603308826	3811.65594559535	35.00180593157907	3529.3037738969106	3498.268759	35.707681971888014	101.9178425682084
108	117	85948	-300321.1413	868957.3170250766	39.256719378078946	-101.8595901	453259.7140076236	434919.621184998	3809.411401085328	35.008289757115648	3529.456372449887	3510.838729373074	35.81203172659004	87.4520463922643
109	117	85949	-299661.1413	868957.3170250766	39.25673142912646	-101.8572605	453460.8325981334	434919.78519373	3807.177206763594	35.00428621030346	3530.7292530268117	3528.388948139943	35.6596909172291	88.03591407
110	117	85950	-299001.1413	868957.3170250766	39.25675183901851	-101.8545309	453661.95005148143	434919.4568014338	3804.940312445275	35.00454290669825	3533.6417156241164	3534.498162918057	35.6946903176938	51.0851672717674
111	117	85951	-298341.1413	868957.3170250766	39.25677202391431	-101.8526012	453863.06726103244	434919.567526915	3803.221405029845	35.002764631378648	3534.8661241381797	3554.031436436227	35.78986072404686	38.7319454025539
112	117	85952	-297681.1413	868957.3170250766	39.256792523813814	-101.8502716	454064.1842269925	434919.464956128	3800.32260361536	35.00362260361536	3535.09537918343	3560.505104618403	35.746678484	30.45812141775059
113	117	85953	-297021.1413	868957.3170250766	39.25681627871964	-101.847942	454265.30069456046	434919.447337304	3800.819741373735	35.001875622623	3537.26053586836	3552.656441812922	35.91733994541695	35.35213344393024
114	117	85954	-296361.1413	868957.3170250766	39.25683303	-101.8456123	454466.41742858414	434919.3834014707	3799.618891307138	35.00176868340777	3538.527690776587	3545.329519439383	35.48017785620486	46.5546136634836
115	117	85955	-295701.1413	868957.3170250766	39.25685023350766	-101.8432946	454667.5365365877	434919.318696875	3791.47138696875	35.001645248727	3539.1317483203181	3543.641578488511	35.7527081099492	35.7527081099492
116	117	85956	-295041.1413	868957.3170250766	39.25687333547915	-101.8409531	454869.6495950116	434919.301713129024	3795.371160743414	35.001398521504395	3539.749318165743	3524.84529285796	35.1645893339518	50.60602249243436
117	117	85957	-294381.1413	868957.3170250766	39.25689348375294	-101.8386234	455069.7655100327	434919.260926779	3792.372632217553	35.0017857285675	3539.14612041261	3522.168857198783	35.40317558709622	60.0079781
118	117	85958	-293721.1413	868957.3170250766	39.25691349829607	-101.8362938	455270.88011877886	434919.201294953	3790.5080569537584	35.00146754919712	3536.577735416738	3520.61110438021	35.4838021078047	58.94964978910011
119	117	85959	-293061.1413	868957.3170250766	39.256933032020345	-101.8339641	455471.9962583057	434919.1732010595	3787.72812548265	35.0017812548265	3534.254785844213	3521.2605205295373	35.496838145843904	57.49686866451793
120	117	85960	-292401.1413	868957.3170250766	39.256953463147966	-101.8316345	455673.11130995076	434919.183631479	3784.594742584124	35.0017063034163	3537.02763034163	3532.402978102273	35.50267395639576	56.39790740205444
121	117	85961	-291741.1413	868957.3170250766	39.256973378078946	-101.8294675	455874.2269287167	434919.09774	3781.47138696875	35.001645248727	3539.1317483203181	3543.641578488511	35.7527081099492	35.7527081099492
122	117	85962	-291081.1413	868957.3170250766	39.256993480112345	-101.8270752	456075.340541423	434919.045687313	3779.42767823977	35.0015058713	3539.72047207744	3506.90812421425	35.7470211363022	46.83939427763191
123	117	85963	-290421.1413	868957.3170250766	39.25701307	-101.824456	456276.2544331316	434919.015957675	3777.19560737137	35.001235194082164	3522.1627855337187	35.5100915938801	35.6902406999769	58.226134640142
124	117	85964	-289761.1413	868957.3170250766	39.25703285891605	-101.8223159	456477.56892996137	434909.57112316	3778.04111643272	35.00174142952683	3518.7140561907345	3521.506050550123	35.02223581043385	49.2303420502601
125	117	85965	-289101.1413	868957.3170250766	39.257052587835595	-101.8199863	456678.68281093417	434909.458456955	3778.82662513387	35.00127669441526	3514.799957548219	3524.821528111207	35.6880084953348	44.500238174502
126	117	85966	-288441.1413	868957.3170250766	39.25707227778275	-101.8176566	456879.7963815558	434909.37989675	3779.724213347347	35.00168701343747	3509.811687013437	3527.40610806958	35.1884042362556	40.539311427156
127	117	85967	-287781.1413	868957.3170250766	39.25709152273305	-101.815327	457080.9897248657	434909.307104744	3778.376030324136	35.0015963536359	3529.53705473218	3508.01888607596	35.73277177695456	46.5546136634836
128	117	85968	-287121.1413	868957.3170250766	39.2571115258462	-101.8129875	457292.02212802	434909.241	3777.84403524677	35.001645248727	3539.1317483203181	3543.641578488511	35.7527081099492	35.7527081099492
129	117	85969	-286461.1413	868957.3170250766	39.25713107744284	-101.8106677	457483.1356775502	434909.1715716265	3776.3710080396447	35.001645248727	3539.1317483203181	3543.641578488511	35.7527081099492	35.7527081099492
130	117	85970	-285801.1413	868957.3170250766	39.25715058760227	-101.808338	457684.282493952	434909.108001244	3774.7760893789	35.0014382494157	3495.8123228914714	3525.03503968363	35.6165200472238	35.3755374278257
131	117	85971	-285141.1413	868957.3170250766	39.2571700526468	-101.8060083	457885.360670574	434908.99044721	3773.1902177337584	35.001362307166588	3492.43226420152	3526.67782792426	35.69580074553297	35.71029341661
132	117	85972	-284481.1413	868957.3170250766	39.25718947253002	-101.8036787	458086.4728078759	434908.913135336	3771.52539602261	35.00135204389166	3490.3147206542417	3524.54174762828	35.7103723268229	36.8978691282368
133	117	85973	-283821.1413	868957.3170250766	39.2572084749828	-101.801349	458287.58498811512	434908.835984437	3769.914920836873	35.00139591586308	3487.198571586308	3521.106714016297	35.7133821739213	36.4421079590654
134	117	85974	-283161.1413	868957.3170250766	39.25722818	-101.7990194	458488.696346997	434908.7591216625	3768.276771711517	35.00139591586308	3484.3707965319	3521.610442614245	35.7339774432045	37.4992120833147
135	117	85975	-282501.1413	868957.3170250766	39.257248473435544	-101.796778	458693.1624330768	434908.6847095	3767.440354789812	35.00139591586308	3482.7845425057	3521.610442614245	35.7339774432045	37.4992120833147
136	117	85976	-281841.1413	868957.3170250766	39.25726674022009	-101.794304	458896.9189565784	434908.605699383	3765.500892	35.00139591586308	3480.4277042700377	35.16142093544026	35.7339774432045	37.4992120833147
137	117	85977	-281181.1413	868957.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SatHt.Kg.f	SatHtBoth.f
219	117	86059	-227061.1413	868957.3170250766	39.25870675681118	-101.600994	27582.35349032747	4348710.9036520761	3451.457574480473	3451.5392096066862	3425.293954283722	3423.9272096596953	25.24555276964144	18.611199909372097
220	117	86060	-226401.1413	868957.3170250766	39.258722216900736	-101.598642	27578.74273589396	434870.7423356568	3598.451340604284	3450.400711226706	3424.247892646705	3425.187658061023	20.5812626267482	20.5812626267482
221	117	86061	-226181.1413	868957.3170250766	39.2587381789029	-101.596345	27584.5184	434870.78200857	3588.44874	3449.273621381222	3423.488937419007	3432.062478542456	18.78299471815354	22.1154532560771
222	117	86062	-225081.1413	868957.3170250766	39.25873500207777	-101.594047	276185.0160427913	4348698.717653034	3448.15696624971792	3424.1970418328747	3426.328148104433	25.0777329002438	21.82878458	
223	117	86063	-224421.1413	868957.3170250766	39.25876832716923	-101.591675	276386.7016301412	4348698.661498798	3590.189626806798	3427.053837471534	3423.189006119706	3427.2773374517282	23.864629135182895	19.77659829542472
224	117	86064	-223761.1413	868957.3170250766	39.258767372758586	-101.5893452	276587.7926123819	4348690.601	3588.68463870524	3445.964325380973	3423.466934009559	3428.682460179682	22.49741212853414	17.28182130120605
225	117	86065	-223011.1413	868957.3170250766	39.258798842347844	-101.5870154	276788.8833247121	4348686.51546453	3587.17974053392	3444.889422805929	3423.79665351742	3430.0054804997973	21.12937545	14.88394230795575
226	117	86066	-222411.1413	868957.3170250766	39.25881403243694	-101.5848657	276989.9791358523	4348682.481181326	3585.674791237396	3434.0258176195234	3431.1337978325223	3431.1337978325223	22.69593774887125	12.69593774887125
327	117	86067	-221781.1413	868957.3170250766	39.25882917751458	-101.5823559	277191.062374917	4348682.122243555	3583.809479979485	3442.763210084108	3424.254888618537	3432.062478542456	18.78299471815354	22.1154532560771
227	117	86068	-221211.1413	868957.3170250766	39.25884227761258	-101.5800221	277392.154339343	4348674.36303132	3581.5857869807132	3441.750141749247	3424.365042623002	3432.11792760103	17.3873551982478	8.953824243
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233	117	86073	-217821.1413	868957.3170250766	39.2589197	-101.5683773	278397.01588295	4348654.609	3568.568957789807	3436.823689205124	3426.873028190118	3426.873028190118	22.69593774887125	4.012379623
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239	117	86079	-213861.1413	868957.3170250766	39.25900748505885	-101.5543987	279604.1301122473	4348629.72286191	3547.143743195624	331.6300928391697	3430.0622356176996	3431.5394035300467	1.567773170380152	0.090056798
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243	117	86083	-211221.1413	868957.3170250766	39.25906957890154	-101.5450796	280408.4796318263	4348613.459693465	3538.1004734591	3428.57495716028	3432.873961941975	3432.873961941975	22.69593774887125	4.012379623
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247	117	86087	-208581.1413	868957.3170250766	39.25912683	-101.5357769	281217.8248	4348597.271519282	3523.87191519282	3425.87191519282	3425.87191519282	3425.87191519282	22.69593774887125	4.012379623
248	117	86088	-207921.1413	868957.3170250766	39.2591439230961	-101.53307	281413.910363752	4348591.215944256	3521.8687137315713	3424.805737315713	3429.809741374927	3.390847730254814	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevKgs.f	SatHtKgs.f	SatHtKgs.f
337	117	86185	-143901.1413	869857.3170250766	39.26030304441916	-101.3074379	009M-8.23550869117	41348200.713470507	331.184023069133	32.70419971272582	3205.339391391657	3197.482444732297	35.75600329001184	33.232546898961076
346	117	86186	-143201.1413	869857.3170250766	39.26031013422693	-101.3051408	009M-8.23550869117	41348196.676	330.6850630635035	322.6242763798186	3202.7159335020176	3194.730689170028	35.90842367001108	33.9358646281062
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352	117	86192	-139281.1413	869857.3170250766	39.26036792587815	-101.2911289	009M-8.23550869117	41348142.5657945	330.67228725997	321.05806746907516	3189.558716526996	3180.746211898008	38.499958180051942	37.29655582643736
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354	117	86194	-137961.1413	869857.3170250766	39.2603863331516	-101.2864691	009M-8.23550869117	41348134.7625822	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
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356	117	86196	-136641.1413	869857.3170250766	39.260405558030534	-101.2818904	009M-8.23550869117	41348126.7149661	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
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378	117	86218	-122121.1413	869857.3170250766	39.2606009490391	-101.2305523	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
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380	117	86220	-120801.1413	869857.3170250766	39.26061846233575	-101.2259125	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
381	117	86221	-120141.1413	869857.3170250766	39.26062740532258	-101.2236268	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
382	117	86222	-119481.1413	869857.3170250766	39.26063529812289	-101.2213227	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
383	117	86223	-118821.1413	869857.3170250766	39.2606440278886	-101.2189029	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
384	117	86224	-118161.1413	869857.3170250766	39.260648062647204	-101.216573	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
385	117	86225	-117501.1413	869857.3170250766	39.26065684	-101.2142431	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
386	117	86226	-116841.1413	869857.3170250766	39.26066542715691	-101.2119325	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
387	117	86227	-116181.1413	869857.3170250766	39.2606741965211	-101.2096215	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
388	117	86228	-115521.1413	869857.3170250766	39.2606830671651093	-101.2073235	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
389	117	86229	-114861.1413	869857.3170250766	39.26069253639383	-101.2050232	009M-8.23550869117	41348102.0746961	330.6135292274022	320.188715240446	3192.199636816796	3182.965768451493	37.23103072	36.3871965
390	117	86230	-114201.1413	869857.3170250766	39.26070063631203	-101.2025937	009M-8.23550869117							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft	
471	ixt 86311	-6070.14133	869695.3170250766	36.26117946634878	-101.0138718	326251.030021646	4347693.483876575	312.0343744889565	2796.8157131900934	2902.103828962835	2994.6701604172904	74.1718842275845	82.14555277280306
472	ixt 86312	-6069.14133	869695.3170250766	36.26118356573876	-101.0115419	326452.072504348	4347699.470051172	312.3171925254599	2975.961326212925	2898.460770061184	2981.1811209125495	81.46700225517414	84.1784313579638
473	ixt 86313	-6068.14133	869695.3170250766	36.26118961325198	-101.008212	326653.115339274	4347695.456819125	312.700947606125	2970.533613529325	2897.808465186918	2980.915772131177	79.8822969295436	82.5146074135449
474	ixt 86314	-6067.14133	869695.3170250766	36.26119168950474	-101.006821	326854.1576002387	4347692.442031504	312.0474018566966	2974.324909461134	2892.573229099498	2988.598269690287	81.75526944629009	85.73019989420306
475	ixt 86315	-6061.14133	869695.3170250766	36.261196673880714	-101.0045522	327055.199694354	4347677.429654306	311.8898672	2973.5471854778157	2890.7276078900186	2980.8817198852968	82.8195775877908	82.66546559
476	ixt 86316	-6041.14133	869695.3170250766	36.26119961325198	-101.002223	327256.2164195321	4347671.415569517	311.5653023099945	2972.73556190605	2889.2263504832	2987.72735215154	83.5669211057274	85.050627545117
477	ixt 86317	-6067.14133	869695.3170250766	36.26120350761857	-100.9998923	327457.2833759497	4347669.309501314	311.6131191607499	2972.033057268027	2888.30381589602	2986.882965490414	83.72997567374068	85.0509713838855
478	ixt 86318	-6121.14133	869695.3170250766	36.2612073699405	-100.9975624	327658.3249638385	4347665.36062146	311.4729136177574	2971.294900526146	2887.926680210553	2987.361924551708	83.6254234428161	83.932812619036298
479	ixt 86319	-6061.14133	869695.3170250766	36.26121113673761	-100.996217	327859.36663839275	4347661.37887545	311.542465663632	2970.808465186918	2887.50061468753754	2987.54541777749415	82.5146074135449	84.1784313579638
480	ixt 86320	-6041.14133	869695.3170250766	36.2612140269006	-100.9952026	328050.074348274	4347657.36034324	311.6265505711968	2969.8367539180483	2886.093739	2986.000595915963	81.742065391248	83.8350423
481	ixt 86321	-5401.14133	869695.3170250766	36.261218635037785	-100.9905277	328261.4847818332	4347653.3366475	311.7907044787744	2969.11375549258	2888.801467507038	2987.53204554555	80.3100287925207	77.58093514374968
482	ixt 86322	-5431.14133	869695.3170250766	36.26122230438079	-100.9882428	328462.4896	4347649.34188398	311.910481386551	2968.391102191962	2889.846713922244	2988.92625433112	75.4438282697374	69.64247549586013
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484	ixt 86324	-5216.14133	869695.3170250766	36.26122950805255	-100.9836289	328864.5706337535	4347641.31475106	310.8113978713	2966.945000358173	2893.299768935355	2985.97836702297	73.6452313640184	70.9066698790764
485	ixt 86325	-5190.14133	869695.3170250766	36.26123304218129	-100.981253	329065.613772442	4347637.307484819	310.313702859293	2966.2186167471564	2898.002122119576	2986.96238837698	72.6452313640184	66.25623837022047
486	ixt 86326	-5041.14133	869695.3170250766	36.26123653	-100.9789231	329266.5516242154	4347633.296	310.043501384146	2965.48900515325	2900.0830281423	2906.52524065273	68.975755735168	68.975755735168
487	ixt 86327	-5018.14133	869695.3170250766	36.26123997024534	-100.9765932	329467.6917044926	4347629.284751704	309.8302084051283	2964.755741880483	2908.977571049696	2906.6799223095024	65.1581703879638	65.1581703879638
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489	ixt 86329	-4861.14133	869695.3170250766	36.26124672964889	-100.9719333	329869.7713657881	4347621.263196042	309.4704531234273	2963.277660178886	2913.0154544687052	2906.222361093846	50.262221584332	62.9813499059034
490	ixt 86330	-4821.14133	869695.3170250766	36.2612500385357	-100.9696034	330070.8100472105	4347617.25296157	309.20953701840373	2962.32018403873	2915.413163455877	2909.068491852408	47.1016020598053	53.46426551382985
491	ixt 86331	-4754.14133	869695.3170250766	36.261253325356	-100.9672739	330271.8054	4347613.2225162	308.704297617652	2961.785103003526	2917.051801141728	2905.408489598384	44.3375189362462	56.33704910296869
492	ixt 86332	-4689.14133	869695.3170250766	36.2612565254897	-100.9649436	330467.8896125685	4347609.322821547	308.9137831696834	2961.0133567	2917.312890169957	2914.3189169684	42.7226581857156	46.30367499045085
493	ixt 86333	-4624.14133	869695.3170250766	36.26125987177514	-100.9626127	330673.5288970918	4347605.228961634	308.7452409894234	2960.2844987176038	2917.022194123881	2914.3189169684	40.127204123881	46.30367499045085
494	ixt 86334	-4556.14133	869695.3170250766	36.2612628012515	-100.960238	330874.967162447	4347601.21524943	308.6129690159218	2959.532581338407	2919.374695717715	2913.81637034964	40.1578102809125	45.69204207480246
495	ixt 86335	-4491.14133	869695.3170250766	36.2612659104005	-100.9579538	331076.0083704544	4347597.229978902	308.7674469131126	2958.780250897587	2919.2686509323053	2916.9145371592	35.1159935474344	41.8387127481867
496	ixt 86336	-4421.14133	869695.3170250766	36.26126894682105	-100.9556239	331277.0449561557	4347593.19387624	307.9157890256475	2958.027684091218	2919.62032484446	2922.66840203824	39.401335924675954	35.3591502828034
497	ixt 86337	-4356.14133	869695.3170250766	36.261271943653215	-100.953294	331478.08348326	4347589.18438458	307.926035830158	2957.2715466325	2917.4660042436027	2916.030896044328	38.15815041972954	34.2591891890265
498	ixt 86338	-4292.14133	869695.3170250766	36.26127749371973	-100.950941	331679.1216444131	4347585.17366779	307.8141813995815	2956.525533978977	2915.823273200536	2915.1281187494112	40.7202633736208	40.7202633736208
499	ixt 86339	-4226.14133	869695.3170250766	36.2612798971973	-100.9486342	331880.159746262	4347581.159746262	307.818892748675	2955.777153778957	2915.42062269635	2915.1281187494112	41.789011317635	41.789011317635
500	ixt 86340	-4160.14133	869695.3170250766	36.261282911400174	-100.9463042	332081.1976722613	4347578.17868919	307.7017121868919	2954.701184827982	2913.9104542379022	2913.9104542379022	43.122433020057	43.122433020057
501	ixt 86341	-4094.14133	869695.3170250766	36.26128517906866	-100.9439743	332282.2354403563	4347573.14942652	307.5763769391187	2954.267093103524	2909.939362	2908.760242312817	43.52849897029154	45.526849897029154
502	ixt 86342	-4028.14133	869695.3170250766	36.261286240238235	-100.9416444	332483.2731474607	4347569.14145688	307.4719621164438	2953.247196310043	2908.582551649347	2907.919633082488	44.95989846	46.225165704714736
503	ixt 86343	-3962.14133	869695.3170250766	36.26128896444801	-100.9393145	332684.3105858183	4347565.133053098	307.4254494430695	2952.794387851586	2907.226335880565	2906.421910826683	45.6804926	46.3724702740241
504	ixt 86344	-3896.14133	869695.3170250766	36.26129164371767	-100.9369846	332885.3476366206	4347561.125174304	307.403936414373	2952.034676673115	2905.77662821209	2905.164870436102414	46.87450339139143	46.87450339139143
505	ixt 86345	-3830.14133	869695.3170250766	36.26129427795001	-100.9346548	333086.385	4347557.11742875	306.921868423268	2951.289811716038	2904.5207763599	2904.604568489687	47.25575476707127	47.25575476707127
506	ixt 86346	-3764.14133	869695.3170250766	36.261296987177514	-100.9323427	333287.42193623175	4347553.10389659	306.7452103894234	2950.53119893612	2902.7231964277134	2901.61234811639	47.581047476788	47.581047476788
507	ixt 86347	-3698.14133	869695.3170250766	36.261299411400174	-100.929948	333488.45871958957	4347549.103	306.597955243356	2949.761258242885	2901.0432391132103	2900.864369662482	47.72391112967434	48.9004534666265
508	ixt 86348	-3632.14133	869695.3170250766	36.26130191	-100.927649	333689.4593474024	4347545.095372534	306.5232975783022	2948.95498472327	2909.465475606421	2909.0591732343	45.53274024011654	49.5959581139959
509	ixt 86349	-3566.14133	869695.3170250766	36.2613034683077	-100.9253439	333890.5318119064	4347541.08	306.368219400244	2948.223065800426	2908.177425105978	2908.02551105655	45.0060126944488	50.1967114684712
510	ixt 86350	-3500.14133	869695.3170250766	36.26130673047874	-100.923005	334091.5681147964	4347537.01896045	307.401355582219	2947.441355582219	2907.40533676685	2906.991709004294	50.36730221755761	50.4421848467967
511	ixt 86351	-3434.14133	869695.3170250766	36.26130914	-100.9206751	334292.604259076	4347533.07495017	307.400960533268	2947.046566837303	2906.186478483335	2906.229318642196	50.438274390766	50.438274390766
512	ixt 86352	-3368.14133	869695.3170250766	36.26131145872917	-100.9183452	334493.64052344854	4347529.605895987	306.846625957473	2945.862512777035	2905.602698862534	2905.611305022496	50.25956210520106	50.25956210520106
513	ixt 86353	-3302.14133	869695.3170250766	36.2613139672917	-100.9160217	334694.681918643	4347525.605895987	306.7452103894234	2945.03119893612	2902.7231964277134	2901.61234811639	47.581047476788	47.581047476788
514	ixt 86354	-3236.14133	869695.3170250766	36.2613164702157	-100.9136853	334895.7117106365	4347521.05624375	306.7580170276567	2944.265091767438	2901.0432391132103	2900.864369662482	47.72391112967434	48.9004534666265
515	ixt 86355	-3170.14133	869695.3170250766	36.26131814500498	-100.9113554	335096.747	4347517.05392404	306.5805843735092	2943.461374	2905.390407410857	2905.59036826187	47.096627370328	47.90233403113174
516	ixt 86356	-3104.14133	869695.3170250766	36.26132028	-100.9090255	33529							

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatHtLog.f	SatHtBoth.f
597	117	86437	2418.85867307335	868957.3170250766	39.26134049068428	-100.7203016	515181.12966707926	4198.198089811	2758.784630718773	2331.602538419402	2758.0980427284097	2777.2319018714966	53.25199569099255	54.37036354790563
598	117	86438	2430.85867307335	868957.3170250766	39.26134254853239	-100.7197117	515182.15702712626	4197.185120512875	2946.45730027219	2829.5193302372503	2767.9411077011528	2767.9411077011528	53.26453034609756	55.96603166280754
599	117	86439	2438.85867307335	868957.3170250766	39.26134049461245	-100.7166477	515183.17542246396	4197.171198338	2947.769652327403	2829.5193302372503	2768.0325691583173	2768.0325691583173	54.0956581409849	56.49686941370265
600	117	86440	2437.85867307335	868957.3170250766	39.26133903737643	-100.7113718	515218.197882696	4197.172207923	2935.802781100392	2742.336989505127	2758.25774231523	2776.953591344624	54.67090527	56.74817611180304
601	117	86441	2505.85867307335	868957.3170250766	39.2613623113058	-100.7109819	515285.22040837747	4197.237045526	2908.808764632	2822.4364273414108	2758.8015924720603	2764.2186814272063	53.63483486953047	58.21745913971013
602	117	86442	2571.85867307335	868957.3170250766	39.26135889879746	-100.708652	515286.24268534896	4197.169247245645	2923.81497583522	2820.139692038578	2759.8138706468276	2763.6405246119793	53.65034250175916	56.49916746910743
603	117	86443	2637.85867307335	868957.3170250766	39.2613431162397	-100.706322	515278.2648183886	4197.1652530102	2916.51510	2817.846931911698	2761.48925276484	2764.3087809786966	53.6579635214026	53.5381518330139
604	117	86444	2703.85867307335	868957.3170250766	39.2613229236326	-100.703921	515298.28681070113	4197.1612819893	2907.350255525266	2815.56116918496	2763.468470804675	2767.17123882328	52.093149031318484	49.84290742626354
605	117	86445	2798.85867307335	868957.3170250766	39.26132042997956	-100.7016623	515319.3086959491	4197.1572789523	2917.92914846693	2763.028638181783	2767.27568465674	2767.27568465674	54.5071149885927	56.49686941370265
606	117	86446	2835.85867307335	868957.3170250766	39.26132851482694	-100.699323	515339.3303969645	4197.1528989423	2890.691752534617	2817.02899556229	2767.902635003987	2768.9040613213824	53.121635014219	42.1403232484646
607	117	86447	2901.85867307335	868957.3170250766	39.261326555136	-100.6970203	515361.3519303256	4197.149310011149	2801.01485674543	2808.79126238608	2768.8320021910568	2769.770824	39.9573243745218	39.0204389081807
608	117	86448	2967.85867307335	868957.3170250766	39.261324557270854	-100.6946724	515372.37352377867	4197.145123127169	2888.255262411238	2806.577417561537	2767.9124398147555	2768.75492033135	38.6649774576146	38.00247925840194
609	117	86449	3033.85867307335	868957.3170250766	39.26132251098544	-100.6923425	515393.394633283	4197.141124	2889.468223149028	2864.4011597	2764.62623171754	289.1250125465024	39.76034327427245	
610	117	86450	3098.85867307335	868957.3170250766	39.26132041969509	-100.6900126	515414.40157727801	4197.13733542069	2890.736073704297	2802.2214919981816	2759.09890017908	2759.09890017908	43.1229189027368	43.10347470324536
611	117	86451	3165.85867307335	868957.3170250766	39.26131828339978	-100.6878267	515436.39617073845	4197.13347340492	2890.356870182897	2805.868182094383	2753.2441874820984	2763.165043782056	46.92013901673272	
612	117	86452	3231.85867307335	868957.3170250766	39.26131610209957	-100.685357	515456.96457276081	4197.129359304385	2888.330429287914	2797.078728011596	2747.626682116744	2747.43947651584	50.35120387	50.5359243
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614	117	86454	3363.85867307335	868957.3170250766	39.2613116044844	-100.6806293	515498.4989189002	4197.1213484	2884.31696301161	2793.876652460795	2737.9670032711756	2737.9670032711756	55.9064919	55.8807439254754
615	117	86455	3429.85867307335	868957.3170250766	39.26130928816948	-100.678363	515519.519337239	4197.1139661876	2880.927818610475	2791.8849521843244	2734.2238243191977	2735.769851571568	56.1611280524479	56.1510061266654
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617	117	86457	3561.85867307335	868957.3170250766	39.2613045025428	-100.6737031	515560.598927939	4197.10942236229	2871.393907368481	2788.164627615623	2790.91383209315	2793.936932770086	57.11853238991306	49.910383978584
618	117	86458	3627.85867307335	868957.3170250766	39.2613020919525	-100.6713732	515582.59687143244	4197.10543531729	2866.626250540481	2786.164627615623	2790.7819149078164	2791.359026922767	58.2797069122836	47.76824890255095
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637	117	86477	4881.85867307335	868957.3170250766	39.261246914300711	-100.6271047	515961.9339449581	4197.104792462314	2861.847803549615	2779.122689	2726.384905931665	2726.384905931665	52.937299995315	52.8419309320849
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRISatElev.ft	SatHLogKgr.ft	SatHBottom.ft
109	118	86689	-299661.1413	869617.3170250764	39.258544026075704	-101.8572868	253464.92111776034	4349360.0161291035	3806.85556492988	35.3730985409497	3530.4555744201953	3515.3850315804784	64.88152017205442	79.95206696047126
110	118	86690	-299601.1413	869617.3170250764	39.25856443646697	-101.8548571	253666.338369431	4349355.334411218	3804.441960114434	35.3835682541796	3530.9563525769532	3529.5368548247713	66.52218959414209	63.999728259302487
111	118	86691	-299581.1413	869617.3170250764	39.25861495190081	-101.8536274	253867.1538232362	4349351.852983811	3802.489259911763	35.41768454780194	3533.5357676781797	3539.708274747939	62.914778001474	52.04856290915557
112	118	86692	-299761.1413	869617.3170250764	39.25860512237162	-101.8502977	254068.2721513963	4349347.741534284	3795.9472301410424	35.8995951189376	3537.377853701262	35.6671581432853	63.5058221208575	43.5058221208575
113	118	86693	-299702.1413	869617.3170250764	39.258625379737613	-101.847968	254269.3868756537	4349343.690391426	3799.4634338308926	35.88624595627122	3535.1136640593397	35.3278400445090314	53.1282931577845	50.40615116314075
114	118	86694	-299631.1413	869617.3170250764	39.258645673	-101.8456383	254470.50466181266	4349345.946047927	3795.95343620751	35.8610881673867	3535.725903202325	35.328505951569833	53.70487373094359	58.4543019308377
115	118	86695	-299701.1413	869617.3170250764	39.25866581358134	-101.8433086	254671.6210020919	4349353.528652788	3795.941890427264	35.87780699137438	3536.5456328720243	35.17309596249268	48.24222804	70.0596217144544
116	118	86696	-299504.1413	869617.3170250764	39.25868595400755	-101.8409789	254872.7367969059	4349331.440869592	3793.423259	35.8307640369516	3536.304575165088	35.307366881232626	46.7162870442812	67.596230725349
117	118	86697	-294381.1413	869617.3170250764	39.258759655	-101.8386493	255073.7637655192	4349327.387655192	3796.95188459914	35.81376899639424	3535.5101724134017	34.94063999357793	48.6677252702124	53.2126831270371
118	118	86698	-233721.1413	869617.3170250764	39.2587209687695	-101.8363195	255274.967713317	4349322.387455392	3798.38678935407	35.7916215270386	3532.7972205764307	34.949482014	46.89305394315	40.2109123768054
119	118	86699	-230361.1413	869617.3170250764	39.25874611	-101.8338988	255476.08283758402	4349319.270433601	3785.7153649376505	35.7861020925	3530.5129254126923	35.091190734089832	47.5079995460878	68.9018514597964
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124	118	86704	-289761.1413	869617.3170250764	39.25884545750072	-101.8223413	256481.65456478117	4349298.10149302	3776.923619136439	35.7014305	3514.330270032447	35.213175676700466	55.79277988	48.825307
125	118	86705	-289101.1413	869617.3170250764	39.25888519295475	-101.8200116	256682.78618664575	4349294.731257234	3777.652832719508	35.68731351960084	3510.1000024496575	35.207869963192	56.83134951101493	47.96301968750554
126	118	86706	-288441.1413	869617.3170250764	39.25888456340283	-101.8176819	256883.8816	4349297.3391326407	3778.320406352268	35.67739311326407	35.05436795061224	35.2325250118213266	61.71532374004845	44.1418624508026
127	118	86707	-287781.1413	869617.3170250764	39.25890452885283	-101.8153522	257084.99470844466	4349286.574038195	3778.4396054517366	35.6712285483766	35.02390463834957	35.2664164176119603	63.7686216488385	39.63108788118306
128	118	86708	-287121.1413	869617.3170250764	39.25892412930483	-101.8130225	257286.1076087809	4349282.495711033	3775.825455112926	35.644927130848552	34.99379496470374	35.237236540268197	64.3682737817875	37.686170116658104
129	118	86709	-286461.1413	869617.3170250764	39.25894386475869	-101.8106928	257487.2200903352	4349278.415712723	3777.61193682919	35.6376810990497	35.647249314085726	35.27283049138081	65.12517767	35.85959948918774
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131	118	86711	-285141.1413	869617.3170250764	39.258982672046	-101.7875469	257893.38116959404	4349272.26817338	3776.848592685428	35.597691826557	35.62953006835197	35.25953006835197	62.17374684656235	33.59717318200914
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133	118	86713	-283821.1413	869617.3170250764	39.25902145659256	-101.8013739	258201.6681316142	4349262.106898923	3773.39104528119	35.59424904546444	35.62953006835197	35.25953006835197	62.17374684656235	33.59717318200914
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137	118	86717	-281181.1413	869617.3170250764	39.25909862589385	-101.792065	259096.1198251579	4349245.799227369	3775.848592685428	35.55526864700674	35.617918933908447	73.29235639306216	40.4507899332414	40.4507899332414
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149	118	86729	-273261.1413	869617.3170250764	39.2593253418014	-101.7640983	261509.4328397276	4349196.89437014	3738.0415955975124	35.42119521051844	35.617918933908447	73.29235639306216	40.4507899332414	40.4507899332414
150	118	86730	-272601.1413	869617.3170250764	39.25934359	-101.7617685	261710.5103535191	4349190.520129897	3737.0955057953379	35.40915791378788	35.617918933908447	73.29235639306216	40.4507899332414	40.4507899332414
151	118	86731	-271941.1413	869617.3170250764	39.2593623418014	-101.759438	261912.7456060215	4349184.67231904	3736.040095379624	35.3987032395894	35.617918933908447	73.29235639306216	40.4507899332414	40.4507899332414
152	118	86732	-271281.1413	869617.3170250764	39.2593810406398	-101.7571079	262112.7456060215	4349184.67231904	3735.040095379624	35.3887032395894	35.617918933908447	73.29235639306216	40.4507899332414	40.4507899332414
153														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatNetKgr.ft	SatNetBoth.ft
235	188	88815	-216501.1413	869617.3170250766	39.26076173158474	-101.5637367	278803.8427622106	4348847.200992911	3561.932120023715	3425.5842933012777	3425.59515188186024	3429.9415416565544	399776448975317	5.06075164723317
236	188	88816	-215841.1413	869617.3170250766	39.26077611204582	-101.5614089	279004.9030717768	4348843.124966112	3558.211411447121	3434.714242184096	3425.52789301791724	3430.704689930476	3186529104053446	5.00913222231917
237	188	88817	-215181.1413	869617.3170250766	39.26079307370529	-101.5598721	279209.918954905	4348839.058	3556.490722897263	3433.801192829842	3426.0436301153817	3429.1230344658293	3785899165462393	4.774164815383703
238	188	88818	-214521.1413	869617.3170250766	39.26080545796312	-101.5567473	279407.106753004	4348835.07444937	3553.769994727132	3433.1228020023905	3425.5038871560937	3428.77527021476	3617814846296825	4.347369300242917
239	188	88819	-213861.1413	869617.3170250766	39.26082006341929	-101.5544174	279608.1940776732	4348830.96970505	3551.844505173802	3432.3626213657208	3427.0636426750834	3429.087405533582	3429898769068374	3.27517513262635
240	188	88820	-213201.1413	869617.3170250766	39.26083642837378	-101.5520876	279809.2813627255	4348825.18236808	3549.63431713607	3431.6264293673853	3427.529574426252	3429.02144648695	4.09895489413318	2.6049288038029023
241	188	88821	-212541.1413	869617.3170250766	39.26084913923657	-101.5497578	280010.3683405689	4348822.856	3547.73896302733	3430.9121012656283	3427.844250126526	3430.340302	3.3667581391024585	0.607779065083996
242	188	88822	-211841.1413	869617.3170250766	39.26083630977761	-101.5474729	280211.4552816814	4348818.798672071	3545.933070020027	3430.217316194242	3427.851053380797	3432.200668381296	3.206822134474914	0
243	188	88823	-211121.1413	869617.3170250766	39.26083630977761	-101.5456981	280412.5419159945	4348814.711874452	3542.853589326966	3429.53892989674	3427.363983718912	3431.899764681986	3.217481557997646	0
244	188	88824	-210561.1413	869617.3170250766	39.26082415745334	-101.5427582	280613.6238331456	4348810.685	3542.37343634179	3429.871746434193	3426.482697698049	3431.7228472548317	3.239096036271710	0
245	188	88825	-209901.1413	869617.3170250766	39.26090761127078	-101.5404384	280814.71456329137	4348806.62905466	3532.233833636323	3428.209427295125	3424.767057272152	3431.688653556458	3.442849032636975	0
246	188	88826	-209241.1413	869617.3170250766	39.26092104157078	-101.5381086	281015.8006	4348802.57896113	3527.123730385145	3425.45260438952	3422.3061065045876	3427.279693193304	3.23998974364456	0
247	188	88827	-208581.1413	869617.3170250766	39.260935280171274	-101.5357787	281216.8863902642	4348798.12628138	3523.766287324404	3426.867283234404	3419.1623731986183	3429.938117131201	3.27004133822068	0
248	188	88828	-207921.1413	869617.3170250766	39.26094948745275	-101.5334489	281417.97194142805	4348794.461133573	3522.1914702761554	3426.162900434813	3415.531452275312	3427.368539524882	3.103103668506335	0
249	188	88829	-207261.1413	869617.3170250766	39.26093642838078	-101.5311119	281619.0572825156	4348790.406	3520.606614375956	3425.4113742548674	3417.18080250317	3423.484794925817	3.13362727465018	1.265525993684685
250	188	88830	-206601.1413	869617.3170250766	39.26091775326884	-101.5287982	2818120.1424056334	4348786.35	3519.0217587366363	3424.593035705987	3407.8857690049528	3420.5907475997614	3.167026701046117	3.99328110611413354
251	188	88831	-205941.1413	869617.3170250766	39.260918912	-101.5264594	282021.2273136874	4348782.24989163	3516.783906334569	3423.684136468954	3404.4118555323857	3422.242847601117	3.1927283934059687	6.64185476703943
252	188	88832	-205281.1413	869617.3170250766	39.26100583919311	-101.5241295	282222.3120068795	4348784.23865172	3515.893190723536	3422.60509680106	3401.3599671966854	3415.67466066922	3.2922978342079	6.9834301317129291
253	188	88833	-204621.1413	869617.3170250766	39.261019814623175	-101.5217997	282423.39648541756	4348774.185006398	3511.002431510223	3421.4951387198434	3399.1266933079384	3413.642934570983	3.2265446412004895	7.852250148960365
254	188	88834	-203961.1413	869617.3170250766	39.26103374055165	-101.5194698	282624.0487495058	4348774.330343042	3508.116730509983	3420.18553696985	3397.3163476995096	3411.01766968406	3.22891916713354	9.173682670140065
255	188	88835	-203301.1413	869617.3170250766	39.26104763047008	-101.517174	282825.5647993053	4348760.07896703	3508.920931467804	3418.7303529186224	3396.055210874786	3407.0251372121383	3.264783150438797	11.705179379724086
256	188	88836	-202641.1413	869617.3170250766	39.26106147005084	-101.5148107	283026.6485351537	4348762.01578354	3515.456523899534	3417.1404761194362	3394.87015657859	3406.590157266157	3.226445765177274	12.5496858262051
257	188	88837	-201981.1413	869617.3170250766	39.26107536224866	-101.5125912	283227.7326713427	4348758.0747007	3524.126964648926	3415.924334589587	3393.77458879863	3388.277458776781	3.194847693634333	15.284589991454505
258	188	88838	-201321.1413	869617.3170250766	39.261080916741984	-101.5101504	283428.815655465	4348753.913562891	3522.510180404555	3412.632751345887	3395.300871511204	3405.189690243254	3.182017632485465	8.433074900443846
259	188	88839	-200661.1413	869617.3170250766	39.26110272215924	-101.5078206	283629.8988603816	4348745.06286956	3524.552151196762	3411.7292921691941	3393.0839013246783	3402.33003426578	3.168184952426685	9.938988414234446
260	188	88840	-200001.1413	869617.3170250766	39.26111638257431	-101.5054907	283830.9818420784	4348745.06286956	3524.1092670288244	3409.79668	3390.276702203387	3399.0386428426096	3.149291720205326	10.6859728128043
261	188	88841	-199341.1413	869617.3170250766	39.26113	-101.5031609	284032.0646107616	4348741.75294743	3523.666288802844	3397.46457425207	3395.465295586014	3406.8281139012648	3.127687732472003	12.6897732472003
262	188	88842	-198681.1413	869617.3170250766	39.2611435683973	-101.500831	284233.1471666359	4348737.699779922	3523.222498669294	3405.686358917543	3383.71477288238	3391.808516937936	3.129175814642298	13.787784275968301
263	188	88843	-198021.1413	869617.3170250766	39.26115703839857	-101.4984192	284424.29899771	4348734.76619077	3523.222498669294	3397.377458879863	3388.277458776781	3393.77458879863	3.129175814642298	13.787784275968301
264	188	88844	-197361.1413	869617.3170250766	39.2611724211178	-101.4961713	284635.316407789	4348730.694012123	3523.767869695187	3401.421358482144	3387.103745842320675	3389.0386428426096	3.129175814642298	13.787784275968301
265	188	88845	-196701.1413	869617.3170250766	39.26118490016534	-101.4938415	284836.3935549052	4348725.54140129	3523.6266063789102	3399.207897996055	3382.961405959906	3382.004645275965	3.129175814642298	13.787784275968301
266	188	88846	-196041.1413	869617.3170250766	39.2611974001153	-101.4915116	285037.4526614764	4348721.48893936	3523.8764267380307	3396.1619952578012	3381.9630928905973	3378.649676076614	3.129175814642298	13.787784275968301
267	188	88847	-195381.1413	869617.3170250766	39.2612107	-101.4891818	285238.5567610542	4348717.43679414	3524.205955604995	3394.676714589015	3386.55225998773	3372.771544670829	3.129175814642298	13.787784275968301
268	188	88848	-194721.1413	869617.3170250766	39.261224045811666	-101.4868519	285439.8404343834	4348714.374237639	3524.749110499588	3392.357739695057	3387.462225529884	3371.026117616225	3.129175814642298	13.787784275968301
269	188	88849	-194061.1413	869617.3170250766	39.26123730120556	-101.484522	285640.7191163305	4348709.32269891	3525.247630539434	3390.50219885333	3385.477525323025	3373.967802896606	3.129175814642298	13.787784275968301
270	188	88850	-193401.1413	869617.3170250766	39.26125051159697	-101.482192	285845.632	4348705.28120212	3526.746140028097	3387.4514381015	3382.31198211215	3371.026117616225	3.129175814642298	13.787784275968301
271	188	88851	-192741.1413	869617.3170250766	39.26126367695562	-101.4798623	286022.8806	4348701.292373272	3527.1772788439	3385.2177288439	3380.5752008894113	3365.43779479283	3.129175814642298	13.787784275968301
272	188	88852	-192081.1413	869617.3170250766	39.2612767377229	-101.4775329	286243.9610501704	4348697.17345019	3528.366048419127	3382.797292575067	3383.9595303241726	3380.5752008894113	3.129175814642298	13.787784275968301
273	188	88853	-191421.1413	869617.3170250766	39.2612897275615	-101.4752026	286464.0129453143	4348693.12732919	3531.937202455192	3380.360487839664	3387.4854546800434	3362.031831615413	3.129175814642298	13.787784275968301
274	188	88854	-190761.1413	869617.3170250766	39.26130203137405	-101.4728727	286647.211326974	4348689.07407997	3530.313007260352	3377.930057438033	3384.3893488345075	3360.924290612814	3.129175814642298	13.787784275968301
275	188	88855	-190101.1413	869617.3170250766	39.2613158885167	-101.470429	286864.2011	4348685.026	3531.7622909819	3375.49051393347	3381.648346816699	3358.917792092054	3.129175814642298	13.787784275968301
276	188	88856	-189441.1413	869617.3170250766	39.26132852892104	-101.468213	287048.2807	4348680.951373276	3531.3412464765373	3373.0659195405	3384.973597258494	3356.917900636304	3.129175814642298	13.787784275968301
277	188	88857	-188781.1413	869617.3170250766	39.26134181514488	-101.465918	287249.60716006	4348676.752712121	3532.49051393347	3371.7142827812	3383.498124000076	3354.7142827812	3.129175814642298	13.787784275968301
278	188	88858	-188121.1413	869617.3170250766	39.261354557	-101.463533	287450.4302859632	4348672.874608161	3533.2054955416333	3368.2499491791015	3382.50510333	3352.682912429584	3.129175814642298	13.787784275968301
279	188	88859	-187461.1413	869617.3170250766	39.									

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRiElevLogsKrg	BRiElevBothKrg	SeaBottomKrg	SatThBottomKrg
361	181	86941	-133341.1413	869617.1370250766	39.26226427385662	-101.2701718	304139.3011706365	4348337.3622820315	3343.727618681702	316.954846292881	316.27834402164393	30.90820507644184	33.57614224134795
362	181	86942	-132681.1413	869617.1370250766	39.262273349324065	-101.2678418	304340.3635	4348333.3276089484	3341.869723	316.9540464247895	316.2565257779817	31.6017511521033	32.75831432275675
363	181	86943	-132021.1413	869617.1370250766	39.26228368978666	-101.2655119	304541.42867216	4348330.203251112	3340.713847173817	316.951451266402548	316.15976278989563	30.82229299419818	31.80146335677442
364	181	86944	-131361.1413	869617.1370250766	39.26231349045631	-101.263182	304742.4857263268	4348325.259419929	3339.764778302627	316.947787303267	315.96758526277	31.84668770167934	31.84668770167934
365	181	86945	-130701.1413	869617.1370250766	39.262300264009716	-101.2608521	304943.5493	4348321.22505247	3339.806119200241	316.9371711762307	315.9322221163287	31.53103117106197	33.05049050901995
366	181	86946	-130041.1413	869617.1370250766	39.26230917414931	-101.2585221	305144.610046712	4348317.191777055	3338.97242528852	314.934301591969	314.8871390324148	31.10682504100414	31.10682504100414
367	181	86947	-129381.1413	869617.1370250766	39.2623180191437	-101.2561922	305345.671568231	4348313.1582346	3337.97493135681	314.81589310104415	314.85422979132157	31.16655197528506	31.66427813465264
368	181	86948	-128741.1413	869617.1370250766	39.2623261923434	-101.2538623	305546.73331790185	4348308.124820138	3337.68766648148	317.9244224565956	314.7053394724467	31.1412370509661	31.0110238603458
369	181	86949	-128061.1413	869617.1370250766	39.26233547427095	-101.2515324	305747.794281107	4348305.991711556	3337.368583621112	317.9064087044648	317.924412764785	31.15878340679187	31.15878340679187
370	181	86950	-127401.1413	869617.1370250766	39.26234429	-101.249024	305948.855057657	4348301.058729055	3337.1041211449835	317.94635252277	317.9352378396127	31.47769585117	31.47769585117
371	181	86951	-126741.1413	869617.1370250766	39.262352948329276	-101.2468725	306149.9156567458	4348297.02533207	3327.565972564416	317.9252515561707	317.92321249137603	31.40139365452414	31.40139365452414
372	181	86952	-126081.1413	869617.1370250766	39.2623615935156	-101.2445426	306350.976555759	4348292.99332904	3326.793456	317.9049554070338	317.90343835	31.407169174453	31.407169174453
373	181	86953	-125421.1413	869617.1370250766	39.26237014436924	-101.2422126	306552.065243653	4348288.9600839	3326.018730919834	316.9825506536967	316.982506976018764	31.406552963520306	31.406552963520306
374	181	86954	-124761.1413	869617.1370250766	39.2623767348653	-101.2398827	306753.0964	4348284.4929	3327.2404741990484	316.7265267855007	3127.072048519229	31.427648726646141	31.427648726646141
375	181	86955	-124101.1413	869617.1370250766	39.262387159394826	-101.2375528	306954.1521255885	4348280.896612185	3325.72605934978	316.625043265967	3125.6800129602207	31.2630101975061048	31.2630101975061048
376	181	86956	-123441.1413	869617.1370250766	39.2623959309866	-101.2352228	307155.219524294	4348276.864784484	3323.473961144665	316.31409124041734	3124.3772264	31.2647644488745	31.2647644488745
377	181	86957	-122781.1413	869617.1370250766	39.262403964397744	-101.2328829	307356.2753003724	4348272.830371191	3321.1621695333	316.3160838	3123.0701232119176	31.23655573731236	31.23655573731236
378	181	86958	-122121.1413	869617.1370250766	39.26241234439209	-101.230563	307557.334646904	4348268.801580291	3318.96046471001	315.94375607272956	3121.7877508703275	31.19760990270434	31.19760990270434
379	181	86959	-121461.1413	869617.1370250766	39.26242604938178	-101.228233	307758.396374904	4348260.737576651	3317.4542638118964	315.9710868220718	3120.573641296247	31.212613324802764	31.212613324802764
380	181	86960	-120801.1413	869617.1370250766	39.262428093036726	-101.2259031	307959.4525	4348260.791571661	3316.67149508191	315.95465138919107	3119.188542468225	31.201481483579643	31.201481483579643
381	181	86961	-120141.1413	869617.1370250766	39.26243712434965	-101.2235732	308160.5112174562	4348256.70825991	3315.898054041417	315.9346838915917	3117.749138736453	31.19826776236951	31.19826776236951
382	181	86962	-119481.1413	869617.1370250766	39.2624452422426	-101.2212432	308361.569725034	4348252.67480526	3315.119861300025	315.922008510416612	3116.1950821521318	31.1817632110363	31.1817632110363
383	181	86963	-118821.1413	869617.1370250766	39.26245494939311	-101.2185241	308568.246821698	4348248.468214984	3314.3868925861	315.906898925861	3115.9898925861	31.1652512916376	31.1652512916376
384	181	86964	-118161.1413	869617.1370250766	39.26246146925094	-101.2165833	308763.6861763904	4348244.615842893	3308.378547800634	314.801669804846	3112.831811269642	31.15828732640686	31.15828732640686
385	181	86965	-117501.1413	869617.1370250766	39.2624693422015	-101.2142534	308964.741205834	4348240.586362968	3307.68108984170862	314.5833411965429	3111.166603524283	31.14174146476987	31.14174146476987
386	181	86966	-116841.1413	869617.1370250766	39.26247752417647	-101.2119235	309165.801877339	4348236.556	3302.2429420857206	314.46795962297	3110.805260276727	31.12465664247087	31.12465664247087
387	181	86967	-116181.1413	869617.1370250766	39.26248546917296	-101.2095935	309366.8594470259	4348232.527	3297.7877665057023	314.6277665057023	3110.6391988048666	31.1160345456733	31.1160345456733
388	181	86968	-115521.1413	869617.1370250766	39.2624933097458	-101.2072636	309567.916296837	4348228.496921465	3292.44839105011542	310.9340850611542	310.9340850611542	31.11103043042431	31.11103043042431
389	181	86969	-114861.1413	869617.1370250766	39.26250124041685	-101.2048327	309769.3742575793	4348224.3821498	3287.108719591929	310.9372410826537	310.9372410826537	31.108719591929	31.108719591929
390	181	86970	-114201.1413	869617.1370250766	39.26250903352939	-101.2024637	309970.031499651	4348220.43822593	3281.767929	310.9372410826537	310.9372410826537	31.108719591929	31.108719591929
391	181	86971	-113541.1413	869617.1370250766	39.2625167888531	-101.2002738	310171.0878578654	4348217.850915728	3277.58749291223	313.32700878117006	309.8768060370126	31.066786653733	31.066786653733
392	181	86972	-112881.1413	869617.1370250766	39.262524518812434	-101.1979438	310372.144948048	4348212.38	3274.567151359958	313.3013866017585	309.830860430583	31.03462273041867	31.03462273041867
393	181	86973	-112221.1413	869617.1370250766	39.262532193734636	-101.1956139	310573.2004554557	4348208.351972005	3271.54710169694	312.808775339045	309.675210031666	31.02092455127383	31.02092455127383
394	181	86974	-111561.1413	869617.1370250766	39.26253982365191	-101.1932839	310725.2712106685	4348204.32036994	3268.527819	312.5697881155635	309.4093425241561	31.00369597402162	31.00369597402162
395	181	86975	-110901.1413	869617.1370250766	39.26254740585423	-101.1906294	310975.73125924093	4348200.29474828	3266.344331786296	313.32018917917316	309.3101558850012	30.97621491613485	30.97621491613485
396	181	86976	-110241.1413	869617.1370250766	39.262554948471596	-101.1882411	311176.265691158	4348198.265691158	3264.597531310827	312.90484589778	309.5200309412	30.9532512916376	30.9532512916376
397	181	86977	-109581.1413	869617.1370250766	39.26256244	-101.1859241	311377.4238691876	4348192.23868317	3263.650573446283	311.845402409684	308.9461433661785	30.981942853979894	30.981942853979894
398	181	86978	-108921.1413	869617.1370250766	39.2625698327139	-101.1839642	311578.0440178139	4348184.10833711	3262.3037953701294	311.589623991225	308.619784604496	31.01365600941638	31.01365600941638
399	181	86979	-108261.1413	869617.1370250766	39.2625773	-101.1816342	311779.535752098	4348184.218315341	3260.77863536219	311.5307715279626	308.459175942814	31.01365600941638	31.01365600941638
400	181	86980	-107601.1413	869617.1370250766	39.26258466	-101.1793043	311980.5900122543	4348180.155923194	3259.0752971558	311.01258260434	308.256933678673	30.96311658740955	30.96311658740955
401	181	86981	-106941.1413	869617.1370250766	39.26259197293335	-101.1769743	312181.6458829076	4348176.17272595	3257.371922269414	310.8301688966986	308.1161871319748	30.9284847732399	30.9284847732399
402	181	86982	-106281.1413	869617.1370250766	39.26259942281038	-101.1746454	312382.700695498	4348172.101675315	3255.6651662298	310.5817165510505	307.844061464625	30.88590582154064	30.88590582154064
403	181	86983	-105621.1413	869617.1370250766	39.26260734949311	-101.1723833	312589.7827310711	4348168.488265942	3254.714882655642	310.3714882655642	307.652387938497	30.865327938497	30.865327938497
404	181	86984	-104961.1413	869617.1370250766	39.2626134481059	-101.1699485	312744.809610672	4348164.08219673	3254.844959167632	310.0919194383195	307.442734737323	30.84249551614762	30.84249551614762
405	181	86985	-104301.1413	869617.1370250766	39.262620782412384	-101.1676455	312885.8639253536	4348160.21755251	3254.86371102844	308.888229156046	307.5051445248094	30.8734759242648	30.8734759242648
406	181	86986	-103641.1413	869617.1370250766	39.26262787226939	-101.1653246	313186.819778196	4348155.9954580	3254.482428897414	309.564075776584	307.413464170945	30.7803651201276	30.7803651201276
407	181	86987	-102981.1413	869617.1370250766	39.26263491712127	-101.1629497	313387.9718472434	4348151.96939176	3256.254654269404	309.336645498086	306.52729662573256	30.7404972815234	30.7404972815234
408	181	86988	-102321.1413	869617.1370250766	39.26264191696802	-101.1606847	313589.0253405556	4348147.34389098	3258.985652412981	309.0189324463208	306.92983972564575	30.67918441151424	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatHtLogKrg.	SatHtBoth.
487	ix 87067	-50181.14133		869617.3170250766	39.26305268767819	-100.76597876	329471.7065496844	4347830.484751331	290.678596975985	295.4039174817375	2912.8665744774781	2896.4263483828643	523.7342706594245	88.97756865272322
488	ix 87068	-49521.14133		869617.3170250766	39.26305660707916	-100.7426762	329672.7462699824	4347826.43715223	306.779025458503	294.651580434521	2915.236476601288	2889.446294	48.41511293	75.1883635
489	ix 87069	-48681.14133		869617.3170250766	39.26305441474164	-100.731878	329873.7882	4347822.46384615	308.6774944111915	293.528639911684	2917.8873283162	2898.743397939053	64.51102832	64.51102832
490	ix 87070	-48021.14133		869617.3170250766	39.26306275086238	-100.6969076	330074.82521195867	4347814.452119948	300.97985685303	293.13402645745	2918.897016003187	2903.597372	59.537305350489	59.537305350489
491	ix 87071	-47541.14133		869617.3170250766	39.26306601524645	-100.9627727	330275.8643304462	4347814.441719965	300.9556512423404	2962.370787228404	2919.0293231686796	2900.9306377565435	64.37407555416075	61.43940469629684
492	ix 87072	-46881.14133		869617.3170250766	39.26306923462367	-100.9649477	330476.903490473	4347810.43125709	304.6839433253684	2961.603498526106	2919.351135102084	2908.6893837655677	42.2519851141223	62.913976196284
493	ix 87073	-46221.14133		869617.3170250766	39.26307240899482	-100.9626177	330677.94283144317	4347806.42137017	301.4812141218054	2960.835460478363	2919.549264009796	2903.50959687694	41.286181948040364	55.51486376426276
494	ix 87074	-45561.14133		869617.3170250766	39.263075358360255	-100.9602877	330878.9811071636	4347802.41139378	308.17650051414864	2919.3069270447554	2910.5983238539303	2904.598226970964	49.76272987950964	49.76272987950964
495	ix 87075	-44901.14133		869617.3170250766	39.26307662271962	-100.957878	331080.0186678405	4347798.401656807	306.92526594012	2959.2961550420706	2915.192306273276	2904.403875829871796	64.1012207284035	64.1012207284035
496	ix 87076	-44241.14133		869617.3170250766	39.26308162073009	-100.9556278	331281.058036752	4347794.392103695	307.97430532288	2958.520192343333	2918.407860476414	2920.520575	41.183313446871	37.90567121429193
497	ix 87077	-43581.14133		869617.3170250766	39.26308486	-100.9532978	331482.0968497176	4347792.382736762	307.5962351405633	2957.76709116451	2917.573337908757	2916.767616159671	43.7832355756071	40.8994871
498	ix 87078	-42921.14133		869617.3170250766	39.26308760576185	-100.9509678	331683.13436163915	4347786.373555284	307.516160958307	2956.89331882786	2916.427109067678	2912.794253830326	40.56222197401485	43.19506749975003
499	ix 87079	-42261.14133		869617.3170250766	39.26309051009729	-100.9486379	331884.172641808	4347782.56559222	307.284124030506	2956.224114801781	2915.160081004082	2912.291313018286	41.94230873769927	43.9428044995449
500	ix 87080	-41601.14133		869617.3170250766	39.26309336942679	-100.9463079	332085.2100069917	4347778.355748572	307.0635019135267	2955.461526991286	2912.76654	2911.242078959186	42.049680575589	42.1944829148515
501	ix 87081	-40941.14133		869617.3170250766	39.26309631875024	-100.9439779	332286.2457739995	4347774.337123318	307.175690076072	2954.16389780248	2911.6314600791543	2909.9529112659077	43.0699607109189	44.0025412122845
502	ix 87082	-40281.14133		869617.3170250766	39.2630993306909	-100.9416478	332487.265084268	4347770.33881468	307.044619995876	2953.02458940453	2910.351075400346	2909.170920201052	44.83230858743454	44.83230858743454
503	ix 87083	-39621.14133		869617.3170250766	39.26310167738052	-100.9393179	332688.3223361107	4347766.334226898	306.837057109964	2952.17673815379	2908.944214130283	2907.71285141276	42.31524023403284	45.46388614160971
504	ix 87084	-38961.14133		869617.3170250766	39.26310346568595	-100.936988	332889.530425932	4347762.32257888	306.542818502284	2952.410692872323	2907.1616361517	2906.497517226205	45.2490571006614	45.9131215970266
505	ix 87085	-38301.14133		869617.3170250766	39.2631060908537	-100.934658	333090.3363	4347758.314747157	306.2519343849995	2951.642014849067	2905.765976813076	2904.9823262815297	45.98404267183059	46.65908420337006
506	ix 87086	-37641.14133		869617.3170250766	39.26310968027877	-100.932328	333291.431007727	4347754.30677584	306.014763271375	2950.87010465848	2903.599976470147	2902.9813702659149	47.01272822	47.39303202633962
507	ix 87087	-36981.14133		869617.3170250766	39.26311212456361	-100.929998	333492.4696968776	4347750.299	305.05845800717388	2950.093348418343	2901.662372	2901.491354959691	48.43097984	48.4019347221533
508	ix 87088	-36221.14133		869617.3170250766	39.2631126384748	-100.927688	333695.5061300116	4347746.292	305.45252685551	2949.3153899545	2900.68354486519	2909.95420771251	49.27699138931884	49.27699138931884
509	ix 87089	-35461.14133		869617.3170250766	39.263113708122775	-100.925381	333898.542047485	4347742.29479232	304.72557713589	2948.5280787324	2900.890514326857	2909.8514326857	49.686185259947	49.686185259947
510	ix 87090	-35001.14133		869617.3170250766	39.263119487392025	-100.923001	334095.5785117211	4347738.278	304.0249744519173	2947.732508053217	2908.1319434148135	2908.076414989434	49.60056430043284	49.6558655337347
511	ix 87091	-34341.14133		869617.3170250766	39.26312185165529	-100.9206781	334296.6144558272	4347734.271	304.02963297195424	2946.835291155424	2897.476405887965	2897.5563302916394	48.8582324674585	47.7898882
512	ix 87092	-33681.14133		869617.3170250766	39.2631247170912455	-100.9183481	334497.6502457694	4347730.26447761	304.101969572921	2946.132799233696	2896.82782112089	2896.926153252357	49.304878121610475	49.20628571643976
513	ix 87093	-33021.14133		869617.3170250766	39.26312645163958	-100.9160182	334698.685870553	4347726.0766252	303.959261035863	2945.260541763407	2896.007556284736	2896.078923	49.3189854786707	49.24713091538669
514	ix 87094	-32361.14133		869617.3170250766	39.26312867440865	-100.9136882	334899.7213343637	4347722.251860721	303.7911432138765	2944.516524229848	2895.204039384622	2895.204039384622	49.31004719938645	49.2764844843672
515	ix 87095	-31701.14133		869617.3170250766	39.26313089584785	-100.9109443	335109.745833027	4347718.245833027	303.67425833027	2943.824527400855	2894.825427400855	2894.825427400855	49.27698687814285	49.27698687814285
516	ix 87096	-31041.14133		869617.3170250766	39.26313297897805	-100.9084232	335301.7917720206	4347714.23984232	303.404793187619	2942.889538284154	2894.73789157579	2894.73789157579	49.269835310097	49.269835310097
517	ix 87097	-30381.14133		869617.3170250766	39.26313509210745	-100.9066982	335502.8267607151	4347710.2384038	303.6553934392515	2942.072720455284	2894.046330916108	2894.044711877658	49.02543136097347	49.1277826404915
518	ix 87098	-29721.14133		869617.3170250766	39.2631374133284	-100.9043683	335703.86158187914	4347706.22452067	303.17375904811	2941.25501641173637	2893.033127339507	2893.033127339507	48.918976076056	48.918976076056
519	ix 87099	-29061.14133		869617.3170250766	39.26313914542965	-100.9020383	335904.8962429182	4347702.22366082	303.9760409017234	2940.0419838401	2892.05431614453	2892.046822046013	48.7358667962792	48.2833963306809
520	ix 87100	-28401.14133		869617.3170250766	39.2631411	-100.8997078	336105.390744033	4347698.21845677	304.069346772406	2939.050463028632	2891.07898738487	2891.1376027714616	48.526347453138865	48.526347453138865
521	ix 87101	-27741.14133		869617.3170250766	39.26314301859413	-100.897378	336306.9650854292	4347694.21535784	304.1626518429568	2938.777050202213	2890.8523963891094	2890.8523963891094	48.2448431418853	48.2448431418853
522	ix 87102	-27081.14133		869617.3170250766	39.26314488115057	-100.8950483	336507.992673125	4347690.2080391	304.26913713747	2937.94025137647	2890.89031507539	2890.89031507539	48.068195259947	48.068195259947
523	ix 87103	-26421.14133		869617.3170250766	39.263146712340978	-100.8927813	336709.032888987	4347686.20425572	304.375065226296	2937.11966824134	2889.055771895424	2889.055771895424	47.8965163189215	47.8965163189215
524	ix 87104	-25761.14133		869617.3170250766	39.26314849152525	-100.890384	336910.0671533185	4347682.199891931	304.15346601419	2936.289470563176	2888.9651786	2888.9651786	47.685954405368	47.685954405368
525	ix 87105	-25021.14133		869617.3170250766	39.26315022570341	-100.8880584	337111.1008572901	4347678.196	304.32068740492	2935.489688021388	2888.489544110806	2888.489544110806	47.50632219037853	47.50632219037853
526	ix 87106	-24441.14133		869617.3170250766	39.2631591487458	-100.8857284	337312.1340437934	4347674.191720841	304.682729185716	2934.628223185716	2882.3214669610293	2882.3214669610293	47.30676224686524	47.30676224686524
527	ix 87107	-23781.14133		869617.3170250766	39.26315359904415	-100.8833984	337513.167911762	4347670.91873075	304.86870867823955	2933.79994016194	2879.4221480534825	2879.4221480534825	47.0458496271133	47.0458496271133
528	ix 87108	-23121.14133		869617.3170250766	39.263155158222	-100.8814084	337710.210207423	4347666.18290484	304.719567050909	2932.96471654203	2878.883175057583	2878.883175057583	46.801914428284	46.801914428284
529	ix 87109	-22461.14133		869617.3170250766	39.263156923255055	-100.8790381	337915.238912947	4347662.19084291	304.578942916145	2932.07394948	2877.938048	2877.938048	46.6123678047	46.6123678047
530	ix 87110	-21801.14133		869617.3170250766	39.26315822	-100.8764085	338116.2670044323	4347658.17400978	304.0369455936183	2931.293398996124	2874.020185	2873.8763182541	46.2911405371416	47.0194667650031
531	ix 87111	-21141.14133		869617.3170250766	39.26315986544221	-100.8740785	338317.2997598058	4347654.175	305.0206056149646	2930.42586201055	2872.655011678048	2872.659321	45.7878445300646	45.787844487

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvBothKg.f	BREIEvBothKg.f	SatHtBothKg.f	SatHtBothKg.f
613	ix	87193	32978.8586730335	869617.3170250766	39.263126589328486	-100.6830199	548401.4688734573	4347326.552280595	2883.1952457682555	2741.9482931959758	2741.668326406088	52.8283950913688	53.16093133699884
614	ix	87194	32983.8586730335	869617.3170250766	39.26312471796065	-100.680689	355002.4892561383	4347322.56455119	2881.7917027183265	2740.94837330622	2747.034734	55.740352583707	55.740352583707
615	ix	87195	32988.8586730335	869617.3170250766	39.2631220158678	-100.67836	355033.504867417	4347318.571006219	2879.2553722851333	2739.789164190256	2732.493684169362	53.82396717282684	53.82396717282684
616	ix	87196	32993.8586730335	869617.3170250766	39.26311964020586	-100.67603	355404.5290068495	4347314.580450085	2875.5799546627997	2738.837584537528	2739.044812833993	53.74660305179854	53.74660305179854
617	ix	87197	32998.8586730335	869617.3170250766	39.26311723382067	-100.6737	355605.5456928825	4347310.60469527	2871.9066356604007	2738.9335730496333	2728.768253441166	53.655283068467234	53.655283068467234
618	ix	87198	32998.8586730335	869617.3170250766	39.26311742842886	-100.6737	355806.5693851576	4347306.51477791	2868.233183358863	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
619	ix	87199	32998.8586730335	869617.3170250766	39.26311226803084	-100.66904	356007.58069773827	4347302.62870449	2865.708994948097	2738.9335730496333	2730.7522754659763	53.655283068467234	53.655283068467234
620	ix	87200	32998.8586730335	869617.3170250766	39.263109744626725	-100.6667101	356208.608108774	4347298.624047495	2863.3369879407	2738.9335730496333	2731.912580248142	53.655283068467234	53.655283068467234
621	ix	87201	32998.8586730335	869617.3170250766	39.263107288117825	-100.664381	356409.62861477825	4347294.585508918	2861.93808513384	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
622	ix	87202	32998.8586730335	869617.3170250766	39.26310452680049	-100.662051	356610.5472795487	4347290.69554708	2859.1582367941671	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
623	ix	87203	32998.8586730335	869617.3170250766	39.263101850378355	-100.6597201	356811.6664509518	4347286.683	2857.1236717403764	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
624	ix	87204	32998.8586730335	869617.3170250766	39.26309912895021	-100.6573901	357017.6853931126	4347282.697399364	2855.600776995856	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
625	ix	87205	32998.8586730335	869617.3170250766	39.26309636251606	-100.6550022	357213.704221442	4347282.711698209	2853.5643887761	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
626	ix	87206	32998.8586730335	869617.3170250766	39.26309351057872	-100.6527302	357414.722952035	4347274.726138	2851.6734802776954	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
627	ix	87207	32998.8586730335	869617.3170250766	39.26309054629716	-100.6504002	357615.7412958495	4347268.1048889	2849.666298	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
628	ix	87208	32998.8586730335	869617.3170250766	39.26308778317759	-100.6480702	357816.75906622	4347262.758	2847.5550491977	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
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632	ix	87212	32998.8586730335	869617.3170250766	39.26307573730768	-100.6387503	358620.8324655714	4347238.516849896	2840.77462083765	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
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634	ix	87214	32998.8586730335	869617.3170250766	39.26306943937684	-100.634004	359022.867788045	4347226.8486799	2839.48423385995	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
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636	ix	87216	32998.8586730335	869617.3170250766	39.2630639214386	-100.6293404	359424.90240513	4347214.81147624	2836.91464245966	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
637	ix	87217	32998.8586730335	869617.3170250766	39.263060596483045	-100.6271004	359625.918980109	4347208.8976578	2835.81794823937	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
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645	ix	87225	32998.8586730335	869617.3170250766	39.26303415825785	-100.608406	361234.0525696824	4347199.0367159	2827.08398529601	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
646	ix	87226	32998.8586730335	869617.3170250766	39.26303177011964	-100.6061307	361435.065592127	4347193.45336959	2826.04581978631	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
647	ix	87227	32998.8586730335	869617.3170250766	39.26302841445815	-100.6038007	361638.084146291	4347187.0289173	2825.328047641158	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
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658	ix	87238	32998.8586730335	869617.3170250766	39.2629951825642	-100.578171	363847.206491845	4347147.26819623	2817.2802962489345	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234
659	ix	87239	32998.8586730335	869617.3170250766	39.26299255221705	-100.575841	364048.2641154483	4347143.30478081	2816.52189091227	2739.778397444578	2732.72965624983	53.655283068467234	53.655283068467234</

[illegible]

ix	iy	Kc	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
125	179	87445	-289101.1413	702727.1720250766	39.260677799182425	-01.82002639	256686.85381482265	343496.004	3777.04384017373	3568.160012798921	3505.551920213848	3513.672013038891	62.08802958507288	54.48800240020996
126	179	87446	-288441.1413	702727.1720250766	39.260697490131314	-01.8177072	256887.9669699325	343491.527340313	3777.655672622633	3568.20328	3501.130061	3515.347159705863	65.6781663110607	51.45906797307384
127	179	87447	-28781.1413	702727.1720250766	39.26071713688126	-01.8153774	257009.5264940524	343487.5468170757	3778.766897835272	3568.25485776071923	3498.245848772829	3523.025784813386	66.858492772829	42.88471252806968
128	179	87448	-287121.1413	702727.1720250766	39.26073673071391	-01.8130476	257290.19268113804	343493.76799191	3777.436937646028	3564.203285	3497.9612863345725	3523.299922730788	66.6220116278743	40.97301760997214
129	179	87449	-286461.1413	702727.1720250766	39.26075629	-01.8107179	257491.30511322179	343497.69896461	3778.07175540235	3563.0770930007	3496.449966172821	3523.718857190423	66.6220237225605	39.3815211089358
130	179	87450	-285801.1413	702727.1720250766	39.2607758393542	-01.8083381	257692.14112167132	343494.751814176	3776.37314333853	3564.196173739183	3494.312178126816	3525.72981482654	66.622025522366	36.1863558526408
131	179	87451	-285141.1413	702727.1720250766	39.2607952688821	-01.8060583	257893.52932603965	343497.45240331	3776.118869207028	3560.78236082953	3491.8285739109063	3529.7482913012395	66.622025522366	33.033813070581
132	179	87452	-284481.1413	702727.1720250766	39.26081469084167	-01.8037285	258084.641055385	343494.6755610918	3775.2315176148295	3569.66729	3490.558713	3529.016114710186	66.1088154118016	30.6539091578138
133	179	87453	-283821.1413	702727.1720250766	39.2608340697576	-01.8013888	258286.75287125873	343497.5466371687	3774.344174437639	3558.26647567563	3488.51382255555	3518.0234035319	65.3536531110359	28.5430466
134	179	87454	-283161.1413	702727.1720250766	39.2608533775039	-01.799069	258486.9638716873	343499.2050073	3773.4568312604483	3557.474290263552	3486.1894136124797	3509.237384	71.2846767475754	48.1093063
135	179	87455	-282501.1413	702727.1720250766	39.26087268370557	-01.7967392	258687.9748651683	343495.223313196	3771.994303714384	3556.38728988413	3483.920521138005	3503.30674711655	72.46078484022	53.0807811474821
136	179	87456	-281841.1413	702727.1720250766	39.26089194661224	-01.7944094	258899.08565471723	343495.114629374	3769.956672800796	3555.303059	3481.826693906717	3497.79697237349	73.43438931801844	57.50436146134098
137	179	87457	-281181.1413	702727.1720250766	39.26091112	-01.7920797	259109.1025536623	343494.06930043	3768.991401486758	3554.2193494177664	3479.960139161471	3489.0590764975686	74.25921025625932	61.16027292071971
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140	179	87460	-279201.1413	702727.1720250766	39.26096884	-01.7851743	259703.52642867326	343494.343918292	3760.389377996243	3550.961405932228	3476.199674694125	3482.709944534719	74.76171300799917	68.2514055850382
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143	179	87463	-277221.1413	702727.1720250766	39.26102535136211	-01.778101	260306.8545133332	343494.6211412484	3752.3177862318894	3547.678657517073	3477.012377818322	3450.560829338534	79.11782820725875	87.11782820725875
144	179	87464	-276561.1413	702727.1720250766	39.261042322302515	-01.7757712	260507.96340058913	343494.53693035	351.0842506180170	3546.576183483468	3477.62579201717	3453.1159847324468	84.9840624175116	93.4601967950413
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157	179	87477	-267981.1413	702727.1720250766	39.261285589783235	-01.7454838	263122.3574602104	343493.6572	3720.826204549176	3531.6755342939177	3469.5667888387325	3447.881434	62.1087454551827	83.7941005170764
158	179	87478	-267321.1413	702727.1720250766	39.26130384074094	-01.743154	263323.4605308486	343493.614988242	3719.21632200361364	3530.4716322001	3466.951023854004	3466.951023854004	62.1087454551827	83.7941005170764
159	179	87479	-266661.1413	702727.1720250766	39.2613232698851	-01.7408242	263524.5684075525	343493.5427	3717.640943156755	3529.2571696114755	3464.9328315728671	3468.038766677982	62.343563802461	61.21300494
160	179	87480	-266001.1413	702727.1720250766	39.2613402765068	-01.738464	263725.6736304914	343493.5137085	3716.50692051978	3528.0435342568	3464.73567793027	3478.73567793027	84.242574790627	84.242574790627
161	179	87481	-265341.1413	702727.1720250766	39.26135832	-01.736146	263928.7785194584	343493.48107178	3715.376240780758	3526.3734903403	3465.794554748002	3472.22951360051	50.94017816000269	50.94017816000269
162	179	87482	-264681.1413	702727.1720250766	39.26137636457722	-01.7338348	264127.837160847	343493.4528912025	3714.243895277027	3525.453341162221	3463.852540743123	3471.479059546673	61.6000049139005	53.9742455154817
163	179	87483	-264021.1413	702727.1720250766	39.26139430453298	-01.731505	264328.9875991063	343491.13680473	3713.47183844745	3524.168080592203	3464.6678057964423	3464.6678057964423	55.8388245908138	55.8388245908138
164	179	87484	-263361.1413	702727.1720250766	39.26141240148826	-01.7291751	264530.0917892213	343493.06515726	3713.079137252891	3522.882186721887	3466.01086959749	3466.01086959749	55.8388245908138	55.8388245908138
165	179	87485	-262701.1413	702727.1720250766	39.26143033744302	-01.7268453	264731.1957466334	343492.93361975	3712.68086161218	3521.598595081778	3468.0981891339397	3468.0981891339397	55.8388245908138	55.8388245908138
166	179	87486	-262041.1413	702727.1720250766	39.2614482392751	-01.7245195	264932.394791549	343492.82155015	3712.281035095458	3520.316407631474	3471.1300071420555	3473.1942410211982	49.18667631118604	47.1245348197951
167	179	87487	-261381.1413	702727.1720250766	39.2614662765068	-01.7222833	265149.5624924924	343492.7045624924	3711.850764524924	3519.850764524924	3470.764524924	3470.764524924	49.18667631118604	47.1245348197951
168	179	87488	-260721.1413	702727.1720250766	39.261484387530385	-01.7198559	265334.50622471067	343492.70905634	3708.97780793023	3517.70208361146	3472.674136	3472.674136	49.18667631118604	47.1245348197951
169	179	87489	-260061.1413	702727.1720250766	39.261501631256195	-01.7175261	265535.609253666	343493.70903198	3703.5769749082					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BR/ElevKgr.f	BR/ElevBthKgr.f	SAthBothKgr.f	SurfBoth.ft
251	179	87571	-205941.1413	70277.71720250766	39.262804479094555	-101.52647474	282025.2882610728	4349893.339625831	351.647020348806	3399.4257891891715	3399.425431289227	3420.2666202523887	58.2233609949302	4.98127646782716
252	179	87572	-205281.1413	70277.71720250766	39.262814849683334	-101.52414745	282226.2377585094	4348979.484376021	351.3006212338311	3424.29835764897164	3396.787311666222	3416.2698334897914	57.5110456776455	8.029420470395629
253	179	87573	-204621.1413	70277.71720250766	39.262801536831456	-101.5218178	282427.4501418971	4348954.429313784	351.846216578187	3423.845638238904	3396.335218391052	3411.8658361674627	58.182770161438943	11.322750161438943
254	179	87574	-203961.1413	70277.71720250766	39.26284640451466	-101.5194479	282628.5114051914	4348971.349034	350.5842399173204	3424.090370843474	3394.1839511951064	3408.7962386108262	57.71996579024137	13.85308437321142
255	179	87575	-203341.1413	70277.71720250766	39.26286029223067	-101.5171578	282829.6246486474	4348967.319751875	350.84422686805	3423.4471635311797	3394.003135613569	3404.45557076569	56.44402791610583	15.99159274450867
256	179	87576	-202641.1413	70277.71720250766	39.26287143300661	-101.5148279	283030.7086053224	4348963.265252322	350.680620441095	3418.836110091511	3393.999727843748	3405.31237869468	55.73227242742673	17.3227242742673
257	179	87577	-201981.1413	70277.71720250766	39.26288782977925	-101.512498	283231.7920318685	4348959.210840111	351.2406832032132	3417.0963947343034	3393.60720806725	3403.571228403232	54.89186113537684	13.52516633107142
258	179	87578	-201321.1413	70277.71720250766	39.262901679548884	-101.5101681	283432.87524479436	4348956.1185815065	351.6210714620518	3415.235745445421	3394.61188332896	3404.15913212323	54.16188557015541	11.094256037190939
259	179	87579	-200661.1413	70277.71720250766	39.26291536831456	-101.5078383	283633.9562444013	4348951.102878412	351.846216578187	3413.33011200276	3395.4658298321245	3401.100410843436	54.97415265354548	19.820102568358996
260	179	87580	-200001.1413	70277.71720250766	39.26292940477722	-101.5055083	283835.014035695	4348947.49128919	351.7345979	3411.343516559185	3390.411773134249	3397.837121312527	54.7074342482148	13.49024459916827
261	179	87581	-199341.1413	70277.71720250766	39.2629446183644	-101.5031784	284036.1236038835	4348942.95656771	351.8358582	3409.304116244802	3386.827714079655	3393.907905146512	54.22661146536659	15.39621028992023
262	179	87582	-198681.1413	70277.71720250766	39.2629562329225	-101.5008484	284237.205964368	4348938.429100348	351.3625744427518	3407.217649123438	3383.112068943991	3389.8792787301383	54.105580179447315	17.23930739329985
263	179	87583	-198021.1413	70277.71720250766	39.26296975834463	-101.4985185	284438.2811225924	4348934.889004968	351.6424940112279	3405.068892491732	3379.505056	3388.98183649302191	54.08193649302191	18.180195146549362
264	179	87584	-197361.1413	70277.71720250766	39.26298323903515	-101.4961886	284639.3700475635	4348930.836053012	351.733654954085	3402.911936	3376.051614891647	3382.7593408119717	54.06800210485274	20.15227857306238
265	179	87585	-196701.1413	70277.71720250766	39.2629967483894	-101.4938857	284840.451710669	4348926.783193102	351.842315379598	3400.8923371519584	3373.01274525992	3377.0274049371377	54.07690286272653	20.990288743815662
266	179	87586	-196041.1413	70277.71720250766	39.263010746695	-101.4915288	285041.5332823964	4348922.73058354	351.855970683774	3398.430405681964	3369.738208129896	3374.207543715736	54.08211287299896	24.22951141412877
267	179	87587	-195381.1413	70277.71720250766	39.2630231131914	-101.4891898	285242.614819481	4348918.671831058	351.83835214202877	3396.12733968127	3387.4032840031764	3371.45300915754	54.0724500915754	26.72405896450692
268	179	87588	-194721.1413	70277.71720250766	39.26303671	-101.486869	285443.6956930454	4348914.625812025	352.033951449131	3393.785294505632	3365.704240092143	3373.412595421064	54.08105441	27.30769846352646
269	179	87589	-194061.1413	70277.71720250766	39.2630496778508	-101.484539	285644.77665454573	4348910.573817805	352.1296381477946	3391.407811269909	3368.363681819215	3374.678055601247	54.07242950684114	12.93105709798038
270	179	87590	-193401.1413	70277.71720250766	39.263063178512624	-101.4822091	285845.851719995	4348906.5218150818	352.252211506818	3388.996975606264	3362.410707854717	3371.86254624083	54.088965154713	17.13715093543094
271	179	87591	-192741.1413	70277.71720250766	39.26307644236654	-101.4798792	286046.9376649754	4348902.40756208	352.1369370410086	3386.5668495372969	3369.963096589602	3368.28510230394	54.095434783341	22.3583750526296
272	179	87592	-192081.1413	70277.71720250766	39.2630894949657	-101.4775943	286248.0170102458	4348898.419	352.048781080636	3384.115874544529	3358.519035094549	3362.94510157036	54.0994452042177	21.1742473807166
273	179	87593	-191421.1413	70277.71720250766	39.2631024967568	-101.4753093	286449.08343277	4348894.76343277	351.8577337454268	3382.127541330202	3357.3871437156877	3484.12424623652	54.0810562716801	23.8810562716801
274	179	87594	-190761.1413	70277.71720250766	39.26311557138608	-101.4728884	286650.1776530174	4348890.3153179085	351.87520401603057	3379.187110087153	3358.180456782192	3359.384168729901	54.06651045323187	19.50942078418226
275	179	87595	-190101.1413	70277.71720250766	39.26312855709514	-101.4705599	286851.2537930308	4348886.25679931	351.945753861422	3376.722544332665	3357.2572350154575	3352.445323917197625	54.05159064361476	24.53159064361476
276	179	87596	-189441.1413	70277.71720250766	39.2631414870045	-101.4682296	287052.3367818252	4348882.214609318	351.880562323525	3374.256523347696	3357.171640922336	3360.632315381326	54.071939241	13.6332464663977
277	179	87597	-188781.1413	70277.71720250766	39.2631543350193	-101.4658997	287253.4159748994	4348878.612606106	350.7814535684627	3371.821409463664	3356.372239539467	3360.05259005497	54.06196924197577	11.75588045816763
278	179	87598	-188121.1413	70277.71720250766	39.26316724419963	-101.4635698	287454.494958443	4348874.14	350.370268948929	3369.39467302047	3355.8449161288454	3358.488730799818	54.071756945621586	10.90635076651106
279	179	87599	-187461.1413	70277.71720250766	39.26318014983064	-101.4613388	287655.573297773	4348870.863091748	350.266228995456	3368.96671674627	3354.241976632467	3357.9960474550716	54.06981673765552	9.89520965
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281	179	87601	-186141.1413	70277.71720250766	39.263205265947	-101.45658	288057.7306541075	4348861.363887875	350.470296232134	3362.24287716591	3354.60345598001	3347.7279958	54.0634411890007	4.66394411890007
282	179	87602	-185481.1413	70277.71720250766	39.263218169651634	-101.45425	288258.808081535	4348857.914060316	350.571328219315	3359.90130485908	3354.133450179024	3357.384221943955	54.06196924197577	2.517082915053379
283	179	87603	-184821.1413	70277.71720250766	39.26323082262985	-101.4519201	288459.886045588	4348853.86462172	350.503455618472	3357.5828025857247	3353.0136713771462	3356.454549506374	54.06196924197577	1.1282453081623555
284	179	87604	-184161.1413	70277.71720250766	39.26324340330409	-101.4499092	288660.9647129024	4348849.815369346	350.5286716294334	3351.5464118347522	3353.851856	3349.678907482105	54.06196924197577	1.473023981623555
285	179	87605	-183501.1413	70277.71720250766	39.2632569589704	-101.4472063	288862.0149939414	4348845.76340347	350.502788014886	3349.0197385244868	3348.6267037607417	3352.7268120577	54.06196924197577	0.292926872
286	179	87606	-182841.1413	70277.71720250766	39.26326942964081	-101.444923	289063.119308709	4348841.714742631	350.4881714742631	3348.773374354268	3347.27541330202	3346.9814242462365	54.06196924197577	0.000000000000000
287	179	87607	-182181.1413	70277.71720250766	39.2632820875032084	-101.4426004	289264.19541580427	4348837.668773721	350.4750587574667	3348.5042262188024	3347.27622364175	3352.048810290073	54.0717898234866	0
288	179	87608	-181521.1413	70277.71720250766	39.263293275967136	-101.4402705	289465.2734513845	4348833.620323902	348.996713047374	3346.349703701025	3339.466532188828	3351.074895	54.063171512	0
289	179	87609	-180861.1413	70277.71720250766	39.26330556162117	-101.4379405	289666.350707449	4348829.519719755	348.77149318312877	3344.171297738984	3335.5912197405237	3349.6836631169	54.06196924197577	0
290	179	87610	-180201.1413	70277.71720250766	39.26331794221111	-101.4356106	289867.426930446	4348825.52789694	348.9029256181885	3342.0146938274625	3331.4918534215444	3348.036771052379	54.06196924197577	0
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293	179	87613	-178221.1413	70277.71720250766	39.26335642969074	-101.4286298	290470.663982984	4348813.248694494	348.9361429649494	3336.773374354268	3323.1368269092108	3337.27541330202	54.06196924197577	0
294	179	87614	-177561.1413	70277.71720250766	39.26336943823935	-101.4262909	290671.7035	4348809.33150046	348.9250258131753	3333.505851822511	3313.0357623223017	3339.576854870106	54.06196924197577	0
295	179	87615	-176901.1413	70277.71720250766	39.2633788	-101.4239609	290872							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtBothKgr.ft	SatHtBoth.ft
377	179	87697	-122781.1413	700277.3172025076	39.26421669606322	-121.232937	307360.3116783596	4348474.05266169	3329.3214495870043	3160.9064848246205	3124.048933699112	3124.6821792129003	36.85708487350825	36.2242689279213
378	179	87698	-122712.1413	700277.3172025076	39.26422504087008	-121.230537	307361.3075424206	4348470.02068301	3323.037278415964	3159.036366349033	3122.6174742333204	3121.67411336638	36.51762391693396	35.5582549686032
379	179	87699	-122161.1413	700277.3172025076	39.26423344607107	-121.228247	307373.4268367365	4348465.98949079	3327.4220436916927	3145.162347420086	3122.317283916703	3122.351788369087	35.8705371803926	34.79604115389925
380	179	87700	-120801.1413	700277.3172025076	39.26424160626618	-121.225917	307363.4883132126	4348470.95818723	3315.07456337233	3155.234568990904	3119.790251	3120.72689212983	35.4440053929197	34.5073576826043
381	179	87701	-120141.1413	700277.3172025076	39.26424982145544	-121.223587	308164.5468145657	4348457.920696187	3319.529447082693	3153.2910583148782	3118.267182525455	3119.4171246614656	35.0367578663271	33.87381170022263
382	179	87702	-119481.1413	700277.3172025076	39.26425913878796	-121.221537	308365.0517261486	4348458.968137243	3315.314467047319	3151.34467047319	3116.654393856583	3117.719362301779625	33.75430837	32.57480387
383	179	87703	-118821.1413	700277.3172025076	39.264266116816245	-121.189237	308566.66218812513	4348459.86392084	3307.627449573557	3149.292578156473	3113.05378	3116.6207804541706	32.4618024541706	32.47849684
384	179	87704	-118161.1413	700277.3172025076	39.26427419696777	-121.161937	308767.7211899437	4348445.835	3311.9973439437515	3147.244294051592	3113.37028	3117.9230071889978	33.7126600897196	32.2369036259432
385	179	87705	-117501.1413	700277.3172025076	39.26428222153534	-121.124587	308968.78683641	4348441.80461394	3322.922246981687	3145.1503991722324	3113.6399311307857	3117.457486618916	33.1146894137586	31.86963216330948
386	179	87706	-116841.1413	700277.3172025076	39.2642902221294	-121.112337	309169.8365019423	4348437.77425974	3303.847148847602	3143.020389196126	3110.356575972944	3110.94484761518	33.663470982318	32.1155701
387	179	87707	-116181.1413	700277.3172025076	39.26429817466066	-121.090637	309370.8938770916	4348437.744276825	3299.19427842438	3140.8639730389477	3107.542750549979	3109.503043527455	33.3112133508587	31.350138516913175
388	179	87708	-115521.1413	700277.3172025076	39.2643006761425	-121.072737	309571.9510652962	4348429.714643313	3293.962108212628	3138.62954846984	3105.8892847426414	3109.1894536436951	32.7639671023692	31.4632849174737
389	179	87709	-114861.1413	700277.3172025076	39.26431392	-121.049437	309737.0086606476	4348421.68483811	3288.732969318128	3136.481365696504	3103.966293778987	3108.806144290186	32.4187719175172	31.692227946463
390	179	87710	-114201.1413	700277.3172025076	39.2643217389153	-121.026137	309974.06488145414	4348415.65398805	3283.5023175551337	3134.151034045891	3101.960448693436	3106.331575649876	32.17958546547235	31.87914670013215
391	179	87711	-113541.1413	700277.3172025076	39.264323948602114	-121.002837	310175.12151005387	4348417.626	3278.35439834881	3131.8540905013733	3100.059014087054	3101.943014485149	32.16484909260719	31.684849016224008
392	179	87712	-112881.1413	700277.3172025076	39.26433721814489	-121.197857	310376.17795214604	4348413.597079702	3276.097708306336	3129.527168030085	3098.0621282017605	3105.3365116778436	31.46503892904593	31.19065352602833
393	179	87713	-112221.1413	700277.3172025076	39.26434489	-121.195627	310577.2340883792	4348409.568	3272.904827289983	3127.174058524145	3096.0072253917	3101.9607783747	32.1783598497308	31.977158066745
394	179	87714	-111561.1413	700277.3172025076	39.26435225373761	-121.193237	310778.2907295238	4348405.9350508	3268.711997151514	3124.79582116628	3093.969050566104	3101.088661464275	31.68215160018364	31.30675562353766
395	179	87715	-110901.1413	700277.3172025076	39.26436018047893	-121.190937	310979.364166771	4348401.51099874	3267.0129477229	3122.3945274805347	3092.065459	3099.07573369447	31.3209609746333	31.23187911079076
396	179	87716	-110241.1413	700277.3172025076	39.264367648578165	-121.188637	311180.4016450596	4348397.486277793	3264.807784107151	3119.972067342631	3089.998685731153	3099.9758179014605	32.3422539778161	
397	179	87717	-109581.1413	700277.3172025076	39.26437514367128	-121.186307	311381.4573791156	4348389.545435555	3260.0259393753	3118.221880128936	3088.2733509410396	3099.432112051905	32.25483714029965	31.8906702933465
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399	179	87719	-108261.1413	700277.3172025076	39.2643908839866	-121.181437	311789.826816413	4348385.05	3258.422968416539	3112.95467322942	3083.457854747807	3101.90738318368	32.0919289757968	31.1563539653988
400	179	87720	-107601.1413	700277.3172025076	39.26439735891375	-121.179317	311984.6228146539	4348381.371259413	3258.402321767937	3110.082339050317	3081.97522476509	3094.54550458276	31.81101571807718	31.5369535438928
401	179	87721	-106941.1413	700277.3172025076	39.26440467382234	-121.1769837	312185.675590251	4348379.807565	3254.608490501797	3107.5704008913213	3079.262915327954	3090.91431267594	31.8080154588255	31.6658842374187
402	179	87722	-106281.1413	700277.3172025076	39.2644119404451	-121.1746537	312386.7318309984	4348373.116668717	3252.73398355565	3105.074081012794	3076.8637917747615	3101.90438398303	31.8361632651795	31.806569182645
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404	179	87724	-104961.1413	700277.3172025076	39.26442364915049	-121.169937	312788.840158034	4348365.2628303	3251.27249356331	3099.9898303576315	3072.150959341005	3078.7671612166563	31.74307351655099	31.20222182309716
405	179	87725	-104301.1413	700277.3172025076	39.26442819413	-121.167637	312989.898577069	4348361.23618817	3250.922968416539	3097.845126589967	3076.47251834731	3076.47251834731	31.74307351655099	31.20222182309716
406	179	87726	-103641.1413	700277.3172025076	39.26444057231584	-121.165357	313190.947403557	4348357.0724003	3250.57234938896	3094.80182038896	3076.8162262005	31.739577304123	31.139577304123	31.21017101101016
407	179	87727	-102981.1413	700277.3172025076	39.2644461926268	-121.163037	313392.002389706	4348353.1435752	3251.896638787618	3092.45155387261	3083.503231158326	3088.905942750205	31.72010248934436	31.23096103708517
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409	179	87729	-101661.1413	700277.3172025076	39.26446157430617	-121.158347	313794.1091908248	4348345.13472038	3252.78909472585	3087.4007295129154	3081.1087286542024	3065.64757523876	31.79394977844604	31.245521119397267
410	179	87730	-101001.1413	700277.3172025076	39.26446848431845	-121.1560137	313995.1623176426	4348341.10517097	3260.88716715488	3084.721748992766	3076.26933747624	3065.26933747624	31.79394977844604	31.245521119397267
411	179	87731	-100341.1413	700277.3172025076	39.2644754932441	-121.1536837	314196.215621596	4348337.08262314	3261.107084685965	3082.439051255496	3083.51786827577	3065.4076719865434	31.79394977844604	31.245521119397267
412	179	87732	-99681.1413	700277.3172025076	39.2644821914913	-121.151367	314397.268024613	4348335.05	3261.54879550429	3081.971812461127	3076.47251834731	3076.47251834731	31.74307351655099	31.20222182309716
413	179	87733	-99021.1413	700277.3172025076	39.2644893431743	-121.1490238	314598.3200562842	4348330.029745418	3255.9059046476183	3077.54553940913213	3079.262915327954	3090.91431267594	31.8080154588255	31.6658842374187
414	179	87734	-98361.1413	700277.3172025076	39.26449567403439	-121.1466936	314799.3704200897	4348325.00479482	3253.432217319336	3075.133287	3045.17036542062	3047.02280399087	31.9624051303399	31.10148287012273
415	179	87735	-97701.1413	700277.3172025076	39.26450026	-121.144336	315004.4252218632	4348319.97999945	3251.24341300626	3072.747226	3042.7608408274314	3042.7608408274314	31.9624051303399	31.10148287012273
416	179	87736	-97041.1413	700277.3172025076	39.26450899626234	-121.1420336	315201.4773581514	4348316.95540499	3249.40439455063	3070.389455916297	3040.880675307542	3041.8475410887663	31.9624051303399	31.10148287012273
417	179	87737	-96381.1413	700277.3172025076	39.26451559423654	-121.1397036	315402.5292134773	4348312.99043473	3247.60477831063	3068.037387934253	3039.839570650596	3042.7608408274314	31.9624051303399	31.10148287012273
418	179	87738	-95721.1413	700277.3172025076	39.26452214419177	-121.1373736	315603.5808769507	4348308.96776647	3245.785424915634	3065.772415371333	3038.534064185079	3039.839570650596	31.9624051303399	31.10148287012273
419	179	87739	-95061.1413	700277.3172025076	39.26452963274156	-121.1350837	315809.898577069	4348304.7246148	3245.785424915634	3065.772415371333	3038.534064185079	3039.839570650596	31.9624051303399	31.10148287012273
420	179	87740	-94401.1413	700277.3172025076	39.26453510909354	-121.1327136	316005.86395371	4348300.8589383	3241.369809705334	3061.293308344217	3041.6904001496017	3042.7608408274314	31.9624051303399	31.10148287012273
421	179	87741	-93741.1413	700277.3172025076	39.26454152403753	-121.1303835	3							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	W.Lt.	SurfBoth.f	
503	178	87823	-32621.14133	70277.7170250766	39.26491439139905	-100.9393214	32682.34625770886	4347967.527980327	3068.8139193150514	2563.570171664897	2910.7752579702737	42.794913694623574	43.68712531319579
504	178	87824	-36961.14133	70277.7170250766	39.2649170777267	-100.939314	32683.3714861363	4347963.519748738	3065.113843662475	2952.788660485998	2904.7475717140244	40.04108337197365	44.4991196
505	178	87825	-38301.14133	70277.7170250766	39.26491978513911	-100.934613	33084.04769762895	4347859.511702711	3051.4137848619694	2953.04696270674	2905.9189374716704	45.0238186716945	45.8154948433585
506	178	87826	-36741.14133	70277.7170250766	39.26492229449839	-100.932313	33075.44444116619	4347953.90324237	3051.218976215207	2904.51189524837	2903.98532936611	46.0470780916659	47.2635442401876
507	178	87827	-36981.14133	70277.7170250766	39.26492483885052	-100.930013	33406.48604421473	4347951.48667312	3055.895280279633	2950.423858853573	2902.244323609013	40.843221135664	48.58616474669303
508	178	87828	-36321.14133	70277.7170250766	39.264927338195456	-100.9276712	333697.5170843939	4347947.486877924	3054.6352482078	2900.473537360903	2901.7708801467	49.16447811238754	49.4347480601093
509	178	87829	-35661.14133	70277.7170250766	39.26492979	-100.9253412	333898.556240306	4347943.481374062	3056.02180437382	2948.836471	2899.48776493578	49.34870582	49.4688247201241
510	178	87830	-35001.14133	70277.7170250766	39.2649322186379	-100.9230112	334059.589784479	4347934.47255726	3052.085037511556	2948.033063191809	2899.099613286633	49.9106856361047	49.8262068307984
511	178	87831	-34341.14133	70277.7170250766	39.26493456618717	-100.920681	334700.5246323324	4347893.47222699	3050.92688136947	2947.225014863237	2898.689135904213	49.8849020121898	49.3358796911527
512	178	87832	-33681.14133	70277.7170250766	39.26493685503374	-100.9183511	334501.604254636	4347931.460575759	3055.478651755686	2946.41236716094	2898.220240234992	49.88364574704713	49.477889753289
513	178	87833	-33021.14133	70277.7170250766	39.26493915981235	-100.916021	334702.6956566347	4347927.450413752	3055.053168204531	2946.595659204615	2896.8414669911338	48.7541923034813	48.68313802011794
514	178	87834	-32361.14133	70277.7170250766	39.26494139114156	-100.913691	334903.7131270803	4347913.446734155	3054.627773238338	2944.776616389045	2895.059964594147	48.700192963036	49.829858687593
515	178	87835	-31701.14133	70277.7170250766	39.26494357408736	-100.911361	334904.7662363738	4347919.41472611	3055.987913247188	2943.955400273748	2893.5352212643174	48.736980180114	49.55798174057714
516	178	87836	-31041.14133	70277.7170250766	39.26494571269614	-100.909039	335035.8011849433	4347915.43561123	3059.13358621005	2943.121488139215	2893.50569791126	48.93471156133385	49.62589057952746
517	178	87837	-30381.14133	70277.7170250766	39.26494780697626	-100.906709	335058.9392729643	4347915.429421243	3062.237952314821	2942.3071537591386	2893.584558042483	48.93772097515348	48.72259750690304
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519	178	87839	-29061.14133	70277.7170250766	39.26495186051482	-100.902048	335809.9506052113	4347904.18353744	3067.31025337908	2940.562262331308	2892.773401172676	48.922488534573	47.8768611583148
520	178	87840	-28401.14133	70277.7170250766	39.26495382	-100.8997108	335919.9309759185	4347909.412712455	3067.935207545526	2939.821254963887	2892.1942479308236	48.925751438771	47.8633471387771
521	178	87841	-27741.14133	70277.7170250766	39.26495573042068	-100.8973807	336310.9732587506	4347898.408195998	3068.5601564	2938.988060352614	2891.669752489316	48.9166518890059	47.813078754981
522	178	87842	-27081.14133	70277.7170250766	39.26495760326868	-100.8950507	336510.275123253	4347895.40330236	3069.1851195036273	2938.153273014868	2891.154786652658	48.909159457	46.55871604
523	178	87843	-26421.14133	70277.7170250766	39.264959427505474	-100.8927207	336713.0413412747	4347887.39859929	3068.889125982027	2937.3172297721103	2891.29881	48.9148564403928	46.0204189351919
524	178	87844	-25761.14133	70277.7170250766	39.26496120673502	-100.890306	336914.0750115284	4347883.394074007	3067.6712934726225	2936.47896859447	2888.7458976200442	48.8874509716219	47.10190630510264
525	178	87845	-25101.14133	70277.7170250766	39.2649629189187	-100.8879681	337129.292197627	4347872.3501297627	3068.36712598146	2935.61725911447	2887.983796	48.8729639862876	47.0554077122776
526	178	87846	-24441.14133	70277.7170250766	39.26496450317238	-100.8857305	337316.11478516464	4347875.35856337	3065.23831238119	2934.801198216128	2882.841513694194	48.8627659506674	47.91597816702387
527	178	87847	-23781.14133	70277.7170250766	39.264966274380185	-100.8834005	337571.175091581	4347863.16260575	3063.486630548667	2933.59692369085	2880.2841422156347	48.88005364175021	48.7148147550401
528	178	87848	-23121.14133	70277.7170250766	39.2649687738075	-100.8810705	337718.208104748	4347867.37840186	3061.20185002574	2933.517196915624	2878.008402163794	48.87799225407124	47.91074947518303
529	178	87849	-22461.14133	70277.7170250766	39.2649694777402	-100.8787404	337919.24088251865	4347863.37426515	3058.913705909063	2932.268776737447	2876.1942687837504	48.87030576396641	46.2655272
530	178	87850	-21801.14133	70277.7170250766	39.2649703696006	-100.8764104	338120.272029596	4347859.47083457	3056.62739099232	2931.4718127725237	2874.5946902780046	48.8648992690976	46.83230592762911
531	178	87851	-21141.14133	70277.7170250766	39.26497240113883	-100.8747683	338221.3062641496	4347859.36811142	3058.36712598146	2930.6712934726225	2874.5946902780046	48.8648992690976	46.83230592762911
532	178	87852	-20481.14133	70277.7170250766	39.26497478031013	-100.8727503	338322.3366905894	4347851.364521146	3055.14177784473	2929.70019148732	2873.72291945743	48.87162045324674	46.824030319875
533	178	87853	-19821.14133	70277.7170250766	39.264975194474566	-100.8694203	338723.37091647316	4347847.361718477	3054.91258300969	2928.832551598852	2870.7080731712585	48.87010567108251	46.82447259366
534	178	87854	-19161.14133	70277.7170250766	39.26497632631546	-100.8679002	338924.403068297	4347843.359051305	3054.6838152039	2927.96803714006	2868.803694147982	48.86835069405108	46.82447259366
535	178	87855	-18501.14133	70277.7170250766	39.264977807781236	-100.8647602	339215.4340403438	4347839.35667902	3053.792492	2927.05268580107	2866.354896034285	48.86630136730816	46.82447259366
536	178	87856	-17841.14133	70277.7170250766	39.26497940692365	-100.8624301	339326.4667	4347835.352409357	3052.23893254551	2926.184431272003	2864.5267114888784	48.86450119781366	46.81562952938669
537	178	87857	-17181.14133	70277.7170250766	39.26498024105879	-100.8601001	339527.4983376531	4347831.352156817	3050.68394993123	2925.263625492084	2862.953456159076	48.86237399809306	46.82298063852356
538	178	87858	-16521.14133	70277.7170250766	39.26498130118683	-100.8577101	339729.581981787	4347827.3501297627	3048.36712598146	2924.81655742771474	2861.6311971127276	48.8616311295483	46.82298063852356
539	178	87859	-15861.14133	70277.7170250766	39.264982943271	-100.85554	339927.684387884	4347820.550975994185	3045.25575994185	2923.45519845827	2860.119845054837	48.8601785818378	46.82298063852356
540	178	87860	-15201.14133	70277.7170250766	39.2649853342052	-100.85311	34010.39250	4347819.346931728	3043.751751856465	2922.527067	2858.822477936138	48.85872416043064	46.82298063852356
541	178	87861	-14541.14133	70277.7170250766	39.264986456726525	-100.8507799	340331.6232592005	4347815.34559929	3042.09488117275	2921.5892836662774	2857.363121012477	48.85627347187835	46.82298063852356
542	178	87862	-13881.14133	70277.7170250766	39.26498853662524	-100.8484499	340532.65410055104	4347811.344373833	3042.391444377037	2920.6418071951066	2855.743430238326	48.8550086065703	46.82298063852356
543	178	87863	-13221.14133	70277.7170250766	39.26498964607166	-100.8461199	339273.684766969	4347807.343	3038.7098114501373	2919.683796327413	2854.278118283327	48.8530674398021	46.82298063852356
544	178	87864	-12561.14133	70277.7170250766	39.26498733980084	-100.843789	340034.75178443	4347803.34255734	3038.0498354375	2918.714248	2853.74772855267	48.852062185876	46.82298063852356
545	178	87865	-11901.14133	70277.7170250766	39.2649892428758	-100.8414698	340176.7841283	4347797.343541283	3037.13029716296	2917.7308716296	2852.8198798231686	48.8513042041496	46.82298063852356
546	178	87866	-11241.14133	70277.7170250766	39.264990284758	-100.8391297	340313.760158434	4347796.34149813	3036.70145103458	2916.73435737301	2850.52094400389	48.84911865212897	46.82298063852356
547	178	87867	-10581.14133	70277.7170250766	39.26499077009796	-100.8367997	341537.8036826977	4347791.34219849	3025.906504249214	2915.75595878683	2847.3195586186985	48.84651145004283	46.82298063852356
548	178	87868	-9921.14133	70277.7170250766	39.26499041	-100.8344697	341738.839964682	4347787.3415083	3024.08210064348	2914.685769157483	2845.044995330785	48.84455823905433	46.82298063852356
549	178	87869	-9261.14133	70277.7170250766	39.2649910016233	-100.8321396	341939.865755914	4347783.34125515	3022.204150418956	2913.604799617341	2843.0013341136632	48.842516704109597	46.82298063852356
550	178	87870	-8601.14133	70277.7170250766	39.26499166915287	-100.829906	34214.80954	4347779.341511325	3020.32168443027	2912.5818213738337	2843.0403173110447	48.84058266616623	46.82298063852356
551	178	87871	-7941.14133	70277.7170250766	39.264992								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfLatKrg.ft	SurfBothKrg.ft
629	119	87949	4358.85867307335	870277.1720250766	39.26489756030971	-100.6457364	358021.7658540857	4347463.493454259	2684.6900453132233	2717.0836670486037	2717.5804608090818	49.164712538320146	48.66791549790604	
630	119	87950	4419.85867307335	870277.1720250766	39.264894568767986	-100.6433464	358222.7839214574	4347459.964435091	2681.1295618	2714.804031292451	2712.9194256486273	51.89379479417721	51.709107147591394	
631	119	87951	4489.85867307335	870277.1720250766	39.26489153222061	-100.6417634	358423.8017573574	4347455.551326182	2680.0923273883	2755.24119645678	2697.283140265554	53.89581326941917	54.8681102000762	
632	119	87952	4518.85867307335	870277.1720250766	39.26488850666115	-100.6387463	358624.1849540541	4347451.951536255	2680.4925105844077	2761.9613847778	2703.339606048434	57.02470629179614	58.1021176268272	
633	119	87953	4617.85867307335	870277.1720250766	39.26488320410456	-100.6364163	358825.8370010615	4347448.1076111696	2682.894347811696	2692.60026923716	2697.740431643635	62.8908627373114	63.36068615202157	
634	119	87954	4638.85867307335	870277.1720250766	39.26488152535904	-100.6340863	359026.8542157066	4347440.02691034	2683.296158037913	2759.23724499271	2691.237088	66.9002760473387	68.35454032	
635	119	87955	4749.85867307335	870277.1720250766	39.264877893960105	-100.6317562	359227.8710751783	4347440.426164193	2683.0811529578627	2757.890112572756	2683.777732815734	71.3377282351734	74.15965111	
636	119	87956	4815.85867307335	870277.1720250766	39.2648756374372715	-100.6294262	359428.88885260316	4347436.058804233	2682.0803814248547	2756.559242302065	2675.34862921281	76.25723768	81.21061299874555	
637	119	87957	4861.85867307335	870277.1720250766	39.264872687787284	-100.6270562	359629.8059419268	4347432.05177892	2681.4923273883	2755.24119645678	2697.283140265554	80.7582492694117	83.33547446730654	
638	119	87958	4947.85867307335	870277.1720250766	39.2648691519023	-100.6247161	359830.9227398824	4347428.01736168	2680.85805122911	2753.93589138392	2694.727697267693	84.75301801339418	87.5869999891087	
639	119	87959	5038.85867307335	870277.1720250766	39.26486551958616	-100.6223461	360031.9348001431	4347424.104847674	2682.870004510168	2752.641227374548	2681.343441640808	90.757039225	91.2968573	
640	119	87960	5079.85867307335	870277.1720250766	39.26486217974949	-100.6201061	360232.9508496047	4347420.1245057165	2682.894041406555	2751.356136	2657.578232040251	96.792451679379	98.377403276882	
641	119	87961	5145.85867307335	870277.1720250766	39.2648588135678	-100.617776	360433.9725547064	4347416.1425711625	2682.63997381144	2750.080440117695	2685.092494141913	101.45259697123	103.6791029	
642	119	87962	5211.85867307335	870277.1720250766	39.264855159731525	-100.615446	360634.98889517	4347412.16	2681.474965226294	2748.813067379613	2643.96936378115	104.8561130149794	106.9544403	
643	119	87963	5277.85867307335	870277.1720250766	39.264851933099215	-100.613116	360836.0590860616	4347408.17293115	2681.424705551456523	2747.56255417625874	2634.3553121261887	113.19988201346533	116.954641156547	
644	119	87964	5343.85867307335	870277.1720250766	39.264847961458984	-100.6107859	361037.0211517645	4347404.194957652	2681.489220290952	2746.291153	2631.676752718627	114.6230982661281	115.0325724720206	
645	119	87965	5409.85867307335	870277.1720250766	39.26484425481348	-100.608459	361228.0370864303	4347400.213	2681.053698	2745.0442218756	2646.133194389236	124.338329257904	126.7092628170697	
646	119	87966	5475.85867307335	870277.1720250766	39.26484058	-100.6061259	361439.038583794	4347396.23038903	2680.915395796153	2743.978189953143	2659.000183615939	130.650460446563	132.9233243904572	
647	119	87967	5541.85867307335	870277.1720250766	39.26483682649967	-100.6037958	361640.065848243	4347392.24905738	2680.829405017615	2742.547779647878	2660.768787802493	135.66634451729305	137.7289918749343	
648	119	87968	5607.85867307335	870277.1720250766	39.26483302483226	-100.6014658	361841.0841	4347388.26524935	2681.7318659698	2741.304084565135	2678.889878599434	139.752750549193	141.54480135945729	
649	119	87969	5673.85867307335	870277.1720250766	39.26482917815784	-100.5991358	362024.09942741276	4347384.268045591	2680.545258917636	2740.0591740674918	2685.9115963307063	141.959370378746	144.784358091971299	
650	119	87970	5738.85867307335	870277.1720250766	39.2648252664764	-100.5968057	362243.1147517667	4347380.305	2680.93154917637	2738.808215017483	2691.215865123407	146.5602126774265	149.72974065211326	
651	119	87971	5803.85867307335	870277.1720250766	39.26479675451129	-100.5944763	362434.128645815	4347376.42130367	2680.93154917637	2737.816849568515	2690.7681904456274	150.198414651402	153.3693236894904	
652	119	87972	5871.85867307335	870277.1720250766	39.26481173808293	-100.5921457	362645.1446167404	4347373.342010241	2680.746228	2736.2717032804137	2697.84925676146	157.370386744145	158.9011634068924	
653	119	87973	5937.85867307335	870277.1720250766	39.26481133139027	-100.5898157	362846.15972576384	4347368.36223719	2798.855671852555	2734.9571403184882	2699.891894650914	162.8825920484236	163.9038505	
654	119	87974	6003.85867307335	870277.1720250766	39.2648092696809	-100.5874856	363047.1744571141	4347364.381741481	2796.9504643751	2733.654059	2701.2745005697334	168.689020176545	170.437043737175094	
655	119	87975	6068.85867307335	870277.1720250766	39.264805152964676	-100.5851556	363248.1809567923	4347360.40143315	2797.003535619697	2732.3053556159466	2702.09567332406	170.6854903897092	173.6198652262738	
656	119	87976	6135.85867307335	870277.1720250766	39.26480091124116	-100.5828256	363449.203	4347356.421309814	2798.58423812315	2730.9265680904663	2702.2201941059425	170.9624782481627	173.7063727853365	
657	119	87977	6201.85867307335	870277.1720250766	39.26479675451129	-100.5804895	363650.212695768	4347352.45605078	2799.5717519536874	2729.5717519536874	2700.2960714922574	171.990416581402	174.72974065211326	
658	119	87978	6267.85867307335	870277.1720250766	39.2647921572416	-100.5781653	363849.1621373775	4347348.461517172	2798.43777951295	2728.021142589804	2698.89165171293	172.9121179907506	175.64069807641	
659	119	87979	6333.85867307335	870277.1720250766	39.26478823603013	-100.5758355	364022.26013574885	4347343.482042412	2798.0417834070997	2726.624033246734	2678.951824747691	173.67340874682634	176.16668111598119	
660	119	87980	6398.85867307335	870277.1720250766	39.2647838427932	-100.5735055	364223.2601768728	4347340.503	2801.0011468039126	2725.151168039126	2671.601923603453	174.657954677611	177.529084748267235	
661	119	87981	6465.85867307335	870277.1720250766	39.264779507572366	-100.5711754	364454.2739	4347336.523454937	2797.985075779426	2723.666104809463	2667.13177498299	175.6534303667116	178.5542654809446	
662	119	87982	6531.85867307335	870277.1720250766	39.26477505751593	-100.5688454	364655.267562089	4347332.544436755	2797.96869963116	2722.1739712306717	2665.0252000546	176.765372853363	179.55960263348325	
663	119	87983	6597.85867307335	870277.1720250766	39.26477059958902	-100.5665154	364856.301146332	4347328.56	2790.34110066709	2720.8622736908	2665.026216688764	176.85520763180484	180.5522047339107	
664	119	87984	6663.85867307335	870277.1720250766	39.26476717204949	-100.5641053	365044.128645815	4347324.56106781	2794.10286786371	2719.161044223413	2664.931196715741	177.8554049567225	181.5393236894904	
665	119	87985	6729.85867307335	870277.1720250766	39.26476151042108	-100.5618553	365238.32782101596	4347320.608489627	2793.847591091847	2717.8857792091847	2664.573969071714	178.96577032921708	182.770562920704	
666	119	87986	6795.85867307335	870277.1720250766	39.264756898284	-100.5595253	365459.340789834	4347316.630205424	2791.614263203173	2716.186757801514	2661.307579254145	179.9681736999414	183.75462158772516	
667	119	87987	6861.85867307335	870277.1720250766	39.264752182972	-100.5571953	365660.35400714364	4347312.651210852	2789.09432439396	2714.691414354949	2655.3246725038	180.966877424106	184.670911234188664	
668	119	87988	6927.85867307335	870277.1720250766	39.26474540023755	-100.5548652	365861.36905969774	4347308.67194837	2787.260968051603	2713.1991	2650.61007133384	182.94609615368537	185.6409754905007	
669	119	87989	6993.85867307335	870277.1720250766	39.26474273321096	-100.5525362	366062.3796748546	4347304.6964574	2786.431453669244	2711.699260000839	2658.6246601783623	183.6582678914943	186.5303901721623	
670	119	87990	7058.85867307335	870277.1720250766	39.264738013911515	-100.550252	366263.3921481444	4347301.78182048	2785.601916360894	2710.2063729540558	2656.024551227266	184.6594645312891	187.641435773765	
671	119	87991	7123.85867307335	870277.1720250766	39.264733194846088	-100.547915	366470.162605078	4347297.819360781	2784.72819360781	2709.181044223413	2654.931196715741	185.7654049567225	188.5393236894904	
672	119	87992	7191.85867307335	870277.1720250766	39.264728287151515	-100.5455451	366653.4172079698	4347292.764383385	2783.67233026747	2707.228438044994	2657.828301539475	186.968408481216	189.4513305651474	
673	119	87993	7257.85867307335	870277.1720250766	39.2647235889075	-100.5432151	366866.429614978	4347288.78388856	2782.693543236757	2705.743608	2669.06871788024	186.36053513771792	189.473070709805	
674	119	87994	7323.85867307335	870277.1720250766	39.264718384042176	-100.5408851	367067.4416867256	4347284.10580404	2781.730159563773	2704.26014744463	2669.0418737715146	187.33587317989895	190.4318671249425	
675	119	87995	7389.85867307335	870277.1720250766	39.26471336718849	-100.5385551	367268.453683785	4347280.83366048	2780.75415792384	2702.78405334983	2672.520766597547	187.627268293295	191.55	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogsKrg	BR ElevBothKrg	SatHtLogsKrg	SatHtBothKrg
15	120	88075	-361701.1413	870937.3170250766	39.26004962913429	-102.0763346	23456.995666553324	4350147.14017912	3991.999930351197	3792.736296304024	3707.666392360511	3707.3232672025654	85.10732714289134	85.4502623083704
16	120	88076	-361701.1413	870937.3170250766	39.26004742037161	-102.0740005	23478.13636156114	4350143.40203372	3991.419152939309	3791.62882557174	3705.224116235938	3704.8949075252934	85.1309155188058	86.139155188058
17	120	88077	-360281.1413	870937.3170250766	39.26004966613295	-102.0761673	23489.2767946627	4350114.346	3991.55889588432	3792.94255897966	3702.68192582973	3702.33062744665	85.5787911879325	86.5787911879325
18	120	88078	-359721.1413	870937.3170250766	39.26001334785912	-102.0693546	23510.14696485634	4350134.840828531	3990.25768057867	3787.64172355344	3699.91120359337	3699.61381864804	87.47300453478178	87.8000490501323
19	120	88079	-359601.1413	870937.3170250766	39.260147820410924	-102.067016	23537.156682735503	4350130.741	3989.34700006198	3785.693288222352	3697.0567388222352	3696.781478375625	88.582499996844	88.8570440464097
20	120	88080	-358401.1413	870937.3170250766	39.260172385363504	-102.0646863	23557.62761873859	4350126.642213011	3988.108480928103	3783.631935332	3693.94841475258	3693.626206405125	88.8624960412397	90.1591255321729
21	120	88081	-357741.1413	870937.3170250766	39.260196801621895	-102.0623566	23577.8338901655	4350125.13487671	3988.86270516461	3781.961646789101	3690.6518481980347	3690.2510548546997	89.279859106634	91.65059193
22	120	88082	-357081.1413	870937.3170250766	39.26022171288435	-102.0600269	23597.47970288855	4350118.44435162	3985.630067701163	3779.9619036554	3689.219649990493	3686.764354573991	92.09595494	93.2255363462635
23	120	88083	-356421.1413	870937.3170250766	39.2602456915084	-102.0576872	23619.61138797025	4350114.346	3984.135889588432	3778.94255897966	3688.56927282973	3685.9435472091486	93.473635836825	94.09761967564702
24	120	88084	-355761.1413	870937.3170250766	39.26026979042131	-102.055376	23637.25247700119	4350110.2429445	3982.786724437127	3778.06475661728	3683.38046107452	3682.76713913346	93.7657905532632	93.29513747837218
25	120	88085	-355101.1413	870937.3170250766	39.260284016695724	-102.0530379	23657.963981279562	4350106.148824003	3980.637646348933	3774.061331776064	3682.834494376692	3682.17198	91.2264844	91.8893334
26	120	88086	-354441.1413	870937.3170250766	39.26031820797403	-102.0507082	23677.95288873653	4350102.05090747	3978.882502542733	3773.07168024228	3682.2463157443735	3681.360657476599	89.7900526578444	90.675109256494
27	120	88087	-353781.1413	870937.3170250766	39.26034232545617	-102.0483785	23698.0667009071	4350097.95301678	3976.2738853597	3769.95125918112	3682.1973045248304	3680.126197453255	87.987479932817	89.8689584485721
28	120	88088	-353121.1413	870937.3170250766	39.2603664554211	-102.0460488	23718.8042536293	4350093.855317381	3972.793745958232	3767.305082273014	3680.515681437318	3678.45039606006	87.419403789933	89.4847736723523
29	120	88089	-352461.1413	870937.3170250766	39.26039051183181	-102.0437191	23737.84214573571	4350089.758	3968.319239481982	3765.8566486038	3678.4241963049585	3676.8290442125946	88.4236685556796	89.8522144804225
30	120	88090	-351801.1413	870937.3170250766	39.26041452312521	-102.041384	23758.0478774319	4350085.6048738	3965.8334612486934	3763.76025395517	3676.3674195738167	3672.81972067803	85.3028382170093	90.9405376717489
31	120	88091	-351141.1413	870937.3170250766	39.26043849843417	-102.0390597	23778.5214589105	4350081.56534383	3962.836594614283	3761.64514250075	3676.728717	3672.2046371651277	89.6164285685157	89.4005807554731
32	120	88092	-350481.1413	870937.3170250766	39.260462410734824	-102.0367301	23796.35196040323	4350077.466212545	3960.323003006574	3759.51175283174	3675.18370270658	3672.672382	86.957057511624	86.8393711716417
33	120	88093	-349821.1413	870937.3170250766	39.260486287039065	-102.0344004	23818.48821210375	4350069.236960255	3957.800411411757	3757.36402081861	3673.480922258975	3672.87477596646	83.8794866288591	84.3849433252486
34	120	88094	-349161.1413	870937.3170250766	39.26051012	-102.0320707	23838.624204215	4350069.273997167	3955.29582	3755.1916012685083	3671.6571172990652	3672.762643047885	83.544836964304	82.6453669771182
35	120	88095	-348501.1413	870937.3170250766	39.260533904658054	-102.029741	23859.7990455445	4350065.17623379	3953.476306380761	3753.005807317324	3669.1603933785013	3672.390901427473	83.8455473474606	80.61494394054601
36	120	88096	-347841.1413	870937.3170250766	39.26057645977272	-102.0274113	23879.7908954104963	4350061.10683876	3952.507430432654	3750.94333661854	3667.16297487175	3672.17436812384	83.6204591091043	78.6252978494994
37	120	88097	-347181.1413	870937.3170250766	39.26061963694128	-102.0250833	23899.56384694128	4350057.142546588	3951.225467208772	3748.58489677428	3665.04220871494	3664.193101547048	83.6451172051618	78.963281282101
38	120	88098	-346521.1413	870937.3170250766	39.26066049361218	-102.0227519	23913.16558089844	4350052.887371055	3950.100014400824	3746.30717565654	3663.18543589517	3675.78920887587	83.16523739773379	70.5614678679795
39	120	88099	-345861.1413	870937.3170250766	39.26068289993689	-102.0204222	23934.390871814038	4350048.993172038	3948.256781680283	3744.01286436265	3660.848906418155	3672.252104826484	75.25447679	71.84917736716517
40	120	88100	-345201.1413	870937.3170250766	39.260652161624865	-102.0180925	23959.3447170368	4350044.697693161	3945.69574754132	3741.837718671223	3658.5313421593796	3666.514099338422	83.3063765184315	75.32370873758055
41	120	88101	-344541.1413	870937.3170250766	39.26067567759602	-102.0157627	23979.65889778102	4350040.456244565	3943.1347130454835	3739.561267307255	3656.29222239625	3664.008539286225	75.55274341497061	75.55274341497061
42	120	88102	-343881.1413	870937.3170250766	39.260699148930364	-102.013443	23999.7022058057	4350036.507406533	3940.577026330716	3737.2733133773013	3654.1612881555234	3663.406229629262	83.1120252177791	73.867308774373617
43	120	88103	-343221.1413	870937.3170250766	39.260722575267835	-102.0111033	24019.63845694128	4350032.142546588	3939.895749695702	3735.04220871494	3652.013420719158	3662.01232815698	83.6561199584968	72.9632811423826
44	120	88104	-342561.1413	870937.3170250766	39.2607459469038	-102.0087738	24039.8963165092	4350028.318	3938.796040371204	3733.06742152569	3650.895164721217	3658.895164721217	72.7740471912812	72.7740471912812
45	120	88105	-341901.1413	870937.3170250766	39.26076929591956	-102.0064438	24060.1030346132	4350024.22335028	3937.26002625638	3730.358035180007	3648.2005421468484	3655.6873456771395	82.1575830335566	74.6708984128743
46	120	88106	-341241.1413	870937.3170250766	39.26079258239514	-102.0041142	24082.23596343392	4350020.191203215	3929.510515587171	3728.024138503471	3646.55059193281	3653.457102544274	74.8551260312553	74.8551260312553
47	120	88107	-340581.1413	870937.3170250766	39.26081583064802	-102.0017845	24100.3863258726	4350016.03500443	3926.406596463496	3725.725198697493	3644.902432978927	3651.74909930663	80.822765185209	73.97670960681039
48	120	88108	-339921.1413	870937.3170250766	39.26083932000443	-101.9994548	24124.500952073	4350011.04186868	3925.40609290173	3723.40776205453	3643.248762583465	3649.3805909398795	80.161013627877	74.02887026567646
49	120	88109	-339261.1413	870937.3170250766	39.26086218835571	-101.997125	24145.60537495916	4350007.947362499	3919.352699339958	3721.068368101445	3641.683531722533	3646.5047597975458	79.4143686779134	74.59411551259791
50	120	88110	-338601.1413	870937.3170250766	39.26088591929568	-101.9948608	24166.7649415857	4350003.75327324	3918.495714965702	3719.703642149894	3640.193101547048	3643.81172051618	79.4143686779134	74.59411551259791
51	120	88111	-337941.1413	870937.3170250766	39.260903866074624	-101.9925456	24187.89552106	4350000.98481332	3913.32073194417	3716.48418501619	3638.927075121255	3637.775736207018	75.57763480991378	76.72254488091378
52	120	88112	-337281.1413	870937.3170250766	39.26093137434323	-101.9901359	24200.9270967167	4349995.567324528	3911.0345770656	3714.215644973064	3637.619376753206	3634.9671411995704	75.5962821953462	79.2780377249381
53	120	88113	-336621.1413	870937.3170250766	39.260954380449	-101.9878061	24221.01590057152	4349991.473458692	3908.707335	3711.9483575042254	3636.44258642274796	3634.9678201356	75.9814663286965	76.9814663286965
54	120	88114	-335961.1413	870937.3170250766	39.26097729517337	-101.9854764	24241.289864818792	4349987.381574822	3906.403470931914	3709.696239117522	3635.2665280040833	3636.324538	74.4330117036695	73.37509167418211
55	120	88115	-335301.1413	870937.3170250766	39.26100181545489	-101.9831467	24261.24037334892	4349983.288989116	3903.840533314754	3707.4725081768463	3633.738806124406	3633.7318795659	73.7339976	70.4113911871711
56	120	88116	-334641.1413	870937.3170250766	39.261023022971882	-101.980817	24281.55077051115	4349979.19568959	3901.023406197084	3705.269925730644	3631.24043978654	3630.9785529765458	73.1294917519592	66.19137277444182
57	120	88117	-333981.1413	870937.3170250766	39.261045291929568	-101.9784872	24302.764971929568	4349975.19568959	3899.417454046778	3703.484046778	3629.17454046778	3629.17454046778	73.1294917519592	66.19137277444182
58	120	88118	-333321.1413	870937.3170250766	39.261068570774996	-101.9761575	24321.810672334	4349971.02360801	3895.405111388604	3700.94867834926	3627.1662193401172	3628.77577904051	66.12176864331327	66.12176864331327
59	120	88119	-332661.1413	870937.3170250766	39.26109127705595	-101.9738278	24346.84024152023	4						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsK.ft	BREIEvBotK.ft	z	SatHBotK.ft
141	120	88201	-278541.1413	870937.3170250766	39.2628000966257	-101.782749	25908.718765031	439632.033199013	3750.9754371808	348.829153551649	3476.4514040552313	3471.6212469027513	72.37747949641789	77.20790745889781
142	120	88202	-277881.1413	870937.3170250766	39.26281904110319	-101.780451	26018.92579012494	439627.36704261	3756.350097791933	347.71765040097	3474.146544195544	3464.86230023943	71.5171969656272	82.8951671
143	120	88203	-277221.1413	870937.3170250766	39.2628378742914	-101.7781253	26118.58845533638	439628.38107057	3763.44719639578	345.565424	3473.7671317659235	3458.57004482636	57.166855105715	80.067769877747
144	120	88204	-276561.1413	870937.3170250766	39.2628568489172	-101.775594	26010.045548874	439619.80528397	3752.21484021702	354.549588780775	3473.6831224356622	3463.412234356622	68.550061564793	82.0773041543963
145	120	88205	-275901.1413	870937.3170250766	39.2628756841954	-101.7734656	26013.1540023643	439615.792695269	3750.962238570658	354.43720443756624	3479.788479	3465.777589	64.5835657889237	78.5944556688245
146	120	88206	-275241.1413	870937.3170250766	39.2628947685638	-101.7711357	26014.2622042282	439611.65426073	3749.700638900876	354.315444662553	3482.4479629719173	3466.603149175796	76.4584339203508	76.4584339203508
147	120	88207	-274581.1413	870937.3170250766	39.26291322329216	-101.7688059	26115.173020151	439607.57907495	3742.127862357636	354.21278626634	3483.668118616654	3464.3581052972827	77.69127166905125	77.69127166905125
148	120	88208	-273921.1413	870937.3170250766	39.26293192	-101.766476	26136.41775441202	439603.50447035	3744.271868061874	354.100058487074	3484.34693402968	3459.65826382414	76.36589146800584	81.3313261
149	120	88209	-273261.1413	870937.3170250766	39.2629506110406	-101.764462	26118.58845533638	439604.28707837	3744.07475701627	353.897297753847	3485.153037186975	3458.57004482636	57.166855105715	80.067769877747
150	120	88210	-272601.1413	870937.3170250766	39.26296919259297	-101.7618163	26117.818927	439596.34557423	3737.871325320776	353.8734619574102	3484.8903411447265	3452.725873232676	53.622672295734	83.004931941427
151	120	88211	-271941.1413	870937.3170250766	39.2629787502425	-101.7594864	26119.7997660395	439591.28000358	3734.964320105655	352.594745944493	3483.271385347884	3468.289843	60.9340279107289	60.9340279107289
152	120	88212	-271281.1413	870937.3170250766	39.26300620454334	-101.7571566	26210.90658628022	439587.205821782	3734.334735396103	353.64964850935	3481.98079470541	3467.033803415524	54.4605691803943	49.4518182
153	120	88213	-270621.1413	870937.3170250766	39.263024756883176	-101.7548267	26222.0313353745	439583.13176686	3729.744210685635	355.298972577263	3480.150834748747	3465.354621451253	51.181372847841	69.94051043213994
154	120	88214	-269961.1413	870937.3170250766	39.2630431831071	-101.7524969	26223.119647424	439597.057840037	3727.13406559173	353.4124352213043	3478.20553489173	3471.302447329514	55.9369380340744	62.8400219622919
155	120	88215	-269301.1413	870937.3170250766	39.26306151473694	-101.750167	26224.2255647993	439574.384131894	3724.89565007829	352.96002066996	3475.7003145953277	3477.215716073196	57.3643981666295	75.5430893000114
156	120	88216	-268641.1413	870937.3170250766	39.26307991611613	-101.747832	26225.3142761094	439570.91081129	3723.022902949596	353.818030610282	3473.189320951443	3471.671031927895	59.4098967149646	59.4098967149646
157	120	88217	-267981.1413	870937.3170250766	39.2631028215829	-101.745073	263126.437056088	439567.837280931	3721.163712	352.931617178683	3469.864596246245	3467.7904805488834	60.77055754159646	62.84481737979785
158	120	88218	-267321.1413	870937.3170250766	39.2631164640734	-101.7431774	263327.5425403104	439562.7641381165	3719.27920	352.9453730685823	3466.765958959666	3469.02478791396	60.82845123061146	60.82845123061146
159	120	88219	-266661.1413	870937.3170250766	39.263136470427945	-101.7408476	263528.6476	439558.691	3717.89478665364	352.8261559503252	3464.0361251778445	3471.69712860079	62.2543343	56.56443902454203
160	120	88220	-266001.1413	870937.3170250766	39.26315283156969	-101.7385177	263729.756237508	439554.618415767	3716.955524831258	352.0275324396243	3463.081619364195	3475.589013051513	61.9459130754287	51.44948393471
161	120	88221	-265341.1413	870937.3170250766	39.263170984273654	-101.7361878	263930.857306935	439550.5458382045	3716.015749969877	352.5761210105207	3463.625211604394	3477.64726626049	62.135998410810316	48.7237275270754
162	120	88222	-264681.1413	870937.3170250766	39.26318901969655	-101.73388	264131.961790533	439546.43447128	3715.076162244018	354.249961024095	3474.146544195544	3477.64726626049	71.5171969656272	82.8951671
163	120	88223	-264021.1413	870937.3170250766	39.2632076810481	-101.731548	264339.049413146	439542.401248421	3714.052401248421	354.249961024095	3474.146544195544	3477.64726626049	71.5171969656272	82.8951671
164	120	88224	-263361.1413	870937.3170250766	39.26322502751684	-101.7291982	264534.1701117027	439538.329326115	3714.5507917889	352.54179238125	3475.5205203170055	3474.146544195544	54.4222729058099	51.8019637007775
165	120	88225	-262601.1413	870937.3170250766	39.26324298327944	-101.7268684	264735.273723333	439534.3257	3714.51398489173	352.06721328354	3469.90838859493	3471.85302741192	50.8261954238204	50.8261954238204
166	120	88226	-262041.1413	870937.3170250766	39.2632608537375	-101.7245385	264936.3773010052	439530.186	3714.4769897192	351.9141255130517	3473.19345	3474.763206122676	52.179753901174	44.64821939
167	120	88227	-261381.1413	870937.3170250766	39.2632770174503	-101.7222086	265137.4806	439530.11432921	3712.670347342954	351.8159145303447	3476.291933594183	3477.3071501552736	41.85380039226435	40.7668991071145
168	120	88228	-260721.1413	870937.3170250766	39.263296503150954	-101.719879	265338.3586169943	439522.04307704	3708.095265120195	354.7663651689429	3474.466496054257	3474.466496054257	42.1868623317172	41.73304672333186
169	120	88229	-260061.1413	870937.3170250766	39.263314245957674	-101.717548	265539.3964913146	439518.52495079743	3706.530049079743	355.912091959675	3475.589013051513	3477.64726626049	51.8019637007775	51.8019637007775
170	120	88230	-259401.1413	870937.3170250766	39.2633319705973	-101.715287	265740.789	439518.52495079743	3704.94657047657	354.1370737845005	3468.2457678927803	3471.671031927895	59.4098967149646	59.4098967149646
171	120	88231	-258741.1413	870937.3170250766	39.26334963735779	-101.7128891	265941.8914641898	439509.830424653	3703.06096060249	353.1120565096662	3465.69743712657	3465.69743712657	47.42312130373945	47.42312130373945
172	120	88232	-258081.1413	870937.3170250766	39.26336725875632	-101.7105592	266142.96302221	439505.79591918	3694.2889419380985	354.7326018877047	3463.47514425737	3471.4141681440924	48.3987444037974	48.3987444037974
173	120	88233	-257421.1413	870937.3170250766	39.2633845315289	-101.7082293	266344.0955021136	439501.68962167	3690.3769142759306	351.6302383845807	3461.985692746816	3461.536750190954	48.6445913098917	49.0923379326655
174	120	88234	-256761.1413	870937.3170250766	39.26340237	-101.7058995	266549.191783548	439497.614734364	3686.448866167304	350.9389349401757	3460.255916023404	3459.691151482247	49.2933239195096	49.2933239195096
175	120	88235	-256101.1413	870937.3170250766	39.26341985299474	-101.703598	266746.2986305747	439493.54933088	3683.24533054586	350.9389349401757	3460.255916023404	3459.691151482247	50.2653072832424	50.2653072832424
176	120	88236	-255441.1413	870937.3170250766	39.2634372433075	-101.701287	266947.398945989	439489.4978728	3680.255916023404	350.9389349401757	3460.255916023404	3459.691151482247	51.8019637007775	51.8019637007775
177	120	88237	-254781.1413	870937.3170250766	39.26345690719254	-101.6989098	267148.630077017	439485.02217258	3678.022823639716	350.574890194667	3458.377123738997	3457.8844966322	52.704740805752	52.704740805752
178	120	88238	-254121.1413	870937.3170250766	39.26347204105676	-101.6965799	267349.601585499	439481.34047195	3676.91156739534	350.437013232364	3452.49263852366	3452.49263852366	51.1505219311	51.9447343856706
179	120	88239	-253461.1413	870937.3170250766	39.2634894848996	-101.69425	267550.170126475	439477.271654627	3675.40038186312	350.319904851242	3450.202915543915	3449.84724333221	52.704740805752	52.704740805752
180	120	88240	-252801.1413	870937.3170250766	39.2635066087211	-101.6919022	267751.80240581726	439473.20555744	3674.548705443238	350.1960627483006	3447.417815158568	3447.056176235546	54.5428010324387	54.5428010324387
181	120	88241	-252141.1413	870937.3170250766	39.26352382625204	-101.6899903	267952.9047717546	439469.1338451365	3673.1907616701064	350.719101045934	3447.417815158568	3447.056176235546	56.7008336217772	56.7008336217772
182	120	88242	-251481.1413	870937.3170250766	39.26354097672974	-101.687204	268154.002084852	439465.0622891	3672.8453279570985	349.471272107075	3440.135179370348	3440.135179370348	59.5680144036949	59.5680144036949
183	120	88243	-250821.1413	870937.3170250766	39.26355810367974	-101.684418	268365.101637305	439461.0258191	3671.728223639716	349.471272107075	3440.135179370348	3440.135179370348	61.870338185494	61.870338185494
184	120	88244	-250161.1413	870937.3170250766	39.26357520516161	-101.682006	268556.2012951439	439457.95254911	3669.31327355644	349.471272107075	3440.135179370348	3440.135179370348	64.830512309014	64.830512309014
185	120	88245	-249501.1413	870937.3170250766	39.26359224174913	-101.6802707	26875.304544839	439452.86480345	3667.24668704325	349.471272107075	3440.135179370348	3440.135179370348	66.9248484868	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevLogs.fg	BR/ElevBoths.fg	SurfAtchs.fg	SurfBoths.fg
267	120	88327	-19581.1413	870937.3170250766	36.26483607833891	-101.489216	285246.6762481485	34391.1919675398	350.5811214254936	3397.489895109342	3360.0046973050808	3370.2848642584295	31.4942904026135	27.214130850912625
268	120	88328	-19472.1413	870937.3170250766	36.26484937941211	-101.488686	285447.75357172337	34391.1672618332	351.1940227008884	3397.317694810296	3363.9450511531584	3378.9639037371253	31.19156794944547	16.15129743904242
269	120	88329	-194061.1413	870937.3170250766	36.26484226794068	-101.4854561	285468.5341912955	34391.1818469096	353.2893296187432	3392.735821874035	3362.88771707051	3389.264849733044	31.34477647911315	13.34477647911315
270	120	88330	-193401.1413	870937.3170250766	36.26485784654229	-101.482261	285491.9466200055	34391.1726628812	351.6584387766848	3390.29465846077	3361.34434575862127	3375.965051723764	31.95511824575298	14.33444122121961
271	120	88331	-192741.1413	870937.3170250766	36.26488901	-101.479861	286050.9949271507	34391.1703672882	355.226067771122	3387.835898666307	3359.220008	3369.0707144877034	31.865187189653605	18.76408037900272
272	120	88332	-192081.1413	870937.3170250766	36.26490213365727	-101.477561	286252.040745763985	34390.9592592086	355.0022572976465	3358.25648914133	3358.559394876955	3361.47135025338	28.79665240317126	23.88121396607136
273	120	88333	-191421.1413	870937.3170250766	36.26491520970654	-101.4752361	286453.1548130447	34390.906738892	351.477842187171	3382.85701404721	3357.55129871764	3360.689844883121	33.56070242359669	22.167022159968
274	120	88334	-190761.1413	870937.3170250766	36.26492824075092	-101.4729062	286654.2344043844	34391.556408008	351.454601393695	3380.3586821436934	3357.889890426175	3360.102783529695	22.46897101507885	20.34858807933915
275	120	88335	-190101.1413	870937.3170250766	36.26494122679405	-101.4705762	286855.813957599	34390.952062698	351.9735018718735	3385.85455578366	3357.180898347367	3358.80467290765	33.83494720695883	19.05887826501785
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277	120	88337	-188781.1413	870937.3170250766	36.264967603854634	-101.4659162	287257.47026245374	34390.743033315	350.769696969034	3372.807346349724	3356.793047419281	3361.4042238348253	31.1387481569136	11.503116146547168
278	120	88338	-188121.1413	870937.3170250766	36.26497991487929	-101.4635862	287458.5500505067	34390.732950538	350.158444175535	3370.4568727309347	3356.4779614442355	3361.3129993370583	13.878911286609218	9.143873394
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289	120	88349	-180861.1413	870937.3170250766	36.265118619181	-101.4378764	289674.03084965704	34390.3203817852	348.2462314745334	3345.12884564334	3342.02971571045	3353.6236829747	3.5881256189505205	0
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312	120	88372	-165681.1413	870937.3170250766	36.26539007160074	-101.3843664	294295.1065420248	34390.079681	345.6784128194323	3311.				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Ls	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
329	128	88453	-112221.1413	870937.3170250766	39.26615793908076	-01.1956336	101858.2676674826	4348610.784998595	3275.6949371507217	311.26.317007401471	3096.0400720016807	3102.9264813156774	32.79835399682396	23.39052688959368
394	128	88454	-11561.1413	870937.3170250766	39.2661652224433	-01.1933035	101762.3254300528	4348606.7612108	3272.80125057353	312.3236989403362	3093.953256990135	3101.0965673483319	29.94493374944865	22.8333101187901
396	128	88455	-139001.1413	870937.3170250766	39.26617281	-01.1969734	101693.7089526524	4348602.7243190	3274.163979426	3106.9647263654	3099.38070212689	3105.90913989897	29.71613620169897	22.97168401785065
396	128	88456	-110241.1413	870937.3170250766	39.26618034	-01.188634	101184.4347878654	4348596.69825914	3267.61992057385	3119.092013765207	3098.649484322013	3098.504298244704	29.44077854510474	20.7393523042344
397	128	88457	-109681.1413	870937.3170250766	39.26618784508763	-01.1863133	101385.490058864	4348594.67008286	3265.130322265117	3116.639031999828	3087.677883949245	3098.5793678785494	29.68114805073747	18.0596342143335
398	128	88458	-108921.1413	870937.3170250766	39.266192536419	-01.1839833	101586.541904339	4348590.442	3262.640712400165	3114.168290131193	3085.6907226149654	3098.611247185965	28.5865761622786	15.55704259139643
399	128	88459	-108261.1413	870937.3170250766	39.2662027063345	-01.1816532	101787.6001444974	4348586.61532314	3260.6110947485385	3111.6800892241367	3083.2893845520975	3096.372513132913	28.39070467219502	15.30773191084539
400	128	88460	-107601.1413	870937.3170250766	39.26621006	-01.1793231	101988.6549146974	4348582.58171354	3259.047147743327	3111.68688686803	3081.048439634148	3082.45890743231	28.1280493485465	16.71781136172107
401	128	88461	-106941.1413	870937.3170250766	39.2662157981503	-01.176983	102198.708924146	4348576.559203982	3247.6183979426	3106.9647263654	3078.61477428564	3079.61477428564	28.04571030304182	15.727198572002
402	128	88462	-106281.1413	870937.3170250766	39.266224633974	-01.174663	102390.763897255	4348574.531819443	3255.902122170826	3104.137335389374	3076.135284008615	3085.212935751024	28.00146933005538	18.92383161579644
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405	128	88465	-104301.1413	870937.3170250766	39.26624618709509	-01.1676728	102993.925979967	4348550.48528528	3250.24996209868	3096.5259989483	3068.280784175657	3075.006717601445	28.27245781382522	21.55470833790677
406	128	88466	-103641.1413	870937.3170250766	39.2662523271292	-01.1653248	103194.979643271	4348554.421470145	3248.30296750147	3094.029742767742	3065.5011510689597	3074.6568881116	28.5282320978221	22.2551758603034
407	128	88467	-102981.1413	870937.3170250766	39.26626032233344	-01.1630127	103396.031234921	4348554.397995358	3248.296025009187	3091.512180806516	3062.825585706327	3068.55165969487	28.6869514189305	22.9604881700042
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409	128	88469	-101661.1413	870937.3170250766	39.2662747792192	-01.1583526	103798.139653548	4348546.345361632	3254.162103229396	3086.503705	3058.128356001244	3060.270825270042	28.53735480485162	26.23632148765862
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411	128	88471	-100341.1413	870937.3170250766	39.26628805239072	-01.1536924	104200.2452178134	4348538.293754001	3253.869704045963	3081.548259774848	3051.1874897306047	3054.596732197137	28.36070044243054	26.951527582134077
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413	128	88473	-99021.1413	870937.3170250766	39.2663016486296	-01.1490323	104602.50317191875	4348530.242290528	3249.1019673143267	3076.6473633697	3047.943939	3046.963790489337	28.034785923793	29.6974054887754
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417	128	88477	-96381.1413	870937.3170250766	39.26632829220795	-01.139712	105406.5800216424	4348514.73439159	3240.802110514455	3067.225687226776	3034.504168814437	3037.15184082403	28.32583001936179	
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421	128	88481	-93741.1413	870937.3170250766	39.26635242968782	-01.1303816	106210.7628361874	4348498.467	3233.81174144841	3060.5225096903723	3033.222598883613	3035.4931815374052	28.2997260112557	25.02932815296708
422	128	88482	-93081.1413	870937.3170250766	39.26635793097663	-01.1280125	106411.6137383992	4348494.03209639	3231.154933658416	3061.28973658416	3033.9625372625	3035.9625372625	28.319251161455713	22.8543503187775
423	128	88483	-92421.1413	870937.3170250766	39.26636692487583	-01.1257316	106612.8641774382	4348489.998317985	3230.2807131483037	3060.53446501658	3030.29615162033	3030.474793932493	28.306863133662475	23.6256914040853
424	128	88484	-91761.1413	870937.3170250766	39.2663732	-01.1234016	106813.916756295	4348485.976991428	3052.015796991428	3052.015796991428	3027.011523399824	3027.0966603181414	28.25056922303925	24.9185142564494
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426	128	88486	-90441.1413	870937.3170250766	39.26638530100665	-01.1187414	107216.0148379843	4348479.534795373	3224.05972776777	3047.940792795969	3020.011316300905	3020.076384180574	28.47946405874026	27.62869337746153
427	128	88487	-89781.1413	870937.3170250766	39.26639175103512	-01.1164113	107417.6469993628	4348475.307324569	3221.63942039878	3045.8804410257954	3018.63942039878	3018.63942039878	28.3526935032359	29.142678196736325
428	128	88488	-89121.1413	870937.3170250766	39.2664039018549	-01.1140818	107619.114831947	4348469.85769873	3218.98122989783	3041.511265189377	3017.241165140892	3017.241165140892	28.346741543892802	31.95824937226993
429	128	88489	-88461.1413	870937.3170250766	39.2664039018549	-01.1116712	107819.1638878454	4348463.761711312	3216.123038	3041.80771054513	3016.053997920612	3017.0116648951004	28.34203718331227	30.81471206837278
430	128	88490	-87801.1413	870937.3170250766	39.26640994023244	-01.1094211	108020.213411652	4348461.404776268	3213.344846485973	3039.92382	3008.02655131126	3008.07020246279	28.319723492	31.616790067097
431	128	88491	-87141.1413	870937.3170250766	39.26641590532219	-01.107091	108221.26262339	4348457.81879577	3212.480264665573	3037.9742834747394	3005.6348113607305	3006.052170538374	28.319723492	31.616790067097
432	128	88492	-86481.1413	870937.3170250766	39.266421825343386	-01.104761	108422.3113325675	4348453.79709241	3211.4693877272984	3036.034851838521	3004.461921587634	3004.4708013603326	28.31252665275736	31.95680547818244
433	128	88493	-85821.1413	870937.3170250766	39.2664277035689	-01.1024309	108623.3601250626	4348449.75405256	3210.458478979154	3034.11266638592	3003.461921587634	3003.461921587634	28.31252665275736	31.95680547818244
434	128	88494	-85161.1413	870937.3170250766	39.26643535306214	-01.1001008	108824.4087402898	4348445.73396709	3210.458478979154	3034.11266638592	3003.461921587634	3003.461921587634	28.31252665275736	31.95680547818244
435	128	88495	-84501.1413	870937.3170250766	39.266443031580635	-01.097876	109025.4542691874	4348441.7628361874	3210.458478979154	3034.11266638592	3003.461921587634	3003.461921587634	28.31252665275736	31.95680547818244
436	128	88496	-83841.1413	870937.3170250766	39.266450535094	-01.0954407	109226.505431317	4348437.71171312	3210.458478979154	3034.11266638592	3003.461921587634	3003.461921587634	28.31252665275736	31.95680547818244
437	128	88497	-83181.1413	870937.3170250766	39.2664570353341	-01.0931106	109427.5535217967	4348433.690852462	3207					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKgr.ft	BRIEVEBothKgr.ft	SurfElevKgr.ft	SatTB0thKgr.ft
519	120	88579	-29061.14133	870937.3170250766	36.26676457660728	-100.9020344	335912.914061456	348104.613695299	3058.671135729875	2940.877637106604	2893.385072	2893.4585668103564	2893.4585668103564	47.4197092624781
520	120	88580	-28901.14133	870937.3170250766	36.266766535915636	-100.8997313	335113.54817549575	348100.608723526	3058.844612964673	2940.840183921111	2893.200736633104	2893.200736633104	46.8394652360111	46.79097221
521	120	88581	-27741.14133	870937.3170250766	36.2667684602159615	-100.887382	335124.8621297626	348096.603626343	3051.918147	2893.22630715287	2893.1336303784394	2893.1336303784394	45.87858414	45.87858414
522	120	88582	-27081.14133	870937.3170250766	36.26677032	-100.8850513	335615.015245727	348097.593793332	3062.191652396524	2938.357379190903	2893.470604396104	2893.706558936322	46.73697894886	46.5271879554753
523	120	88583	-26421.14133	870937.3170250766	36.26677214379041	-100.882723	336717.046606077	348088.993117235	3062.459541265558	2935.514080223328	2894.024624372597	2894.517966632282	47.0467840512344	42.9977039315488
524	120	88584	-25621.14133	870937.3170250766	36.266773306523	-100.890329	336910.8306305346	348084.5843678	3061.821413474067	2936.670373480806	2889.5108897047107	2889.532719661295	47.14338191561	45.173138191561
525	120	88585	-25011.14133	870937.3170250766	36.26677565733167	-100.8880628	337191.116354045	348080.58934101	3061.184085199423	2935.8223915951285	2885.8782621955286	2885.8782621955286	45.02507272795	50.151062002542492
526	120	88586	-24411.14133	870937.3170250766	36.26677746538971	-100.8857327	337320.14951290574	348076.59362807	3060.54567179912	2934.673883125153	2883.437601875493	2883.231787780277	51.536281071978	51.7400374448836
527	120	88587	-23781.14133	870937.3170250766	36.2667789863856	-100.8834026	337521.1625125296	348072.75508757	3059.98986821662	2937.878168115416	2880.866765818676	2880.866765818676	54.0485816983586	54.0485816983586
528	120	88588	-23121.14133	870937.3170250766	36.2667809006059	-100.8810725	337722.213554129	348068.672	3055.543208859164	2933.265231129129	2875.9536211265195	2875.9536211265195	54.3127000151016	54.65005922212104
529	120	88589	-22461.14133	870937.3170250766	36.26678214431446	-100.8787424	337923.24803946936	348064.56717943	3054.087018845665	2932.40683793965	2877.05709571787	2876.38347478029	55.34974040778025	55.4683634936046
530	120	88590	-21801.14133	870937.3170250766	36.2667836353789	-100.8764123	338124.2806566557	348060.564250963	3051.63082283726	2931.542416266378	2875.296432737333	2875.296432737333	56.247229624249	56.30438296247055
531	120	88591	-21141.14133	870937.3170250766	36.26678511775382	-100.8740822	338325.312342083	348056.56689323	3050.632072965028	2873.494123504328	2873.494123504328	2873.494123504328	57.17794946159984	57.17266930782857
532	120	88592	-20481.14133	870937.3170250766	36.266786536961554	-100.8717521	338526.3451453026	348052.5673731	3051.091869377601	2929.794786323325	2873.2480673737454	2873.2480673737454	57.8546718694587	57.8546718694587
533	120	88593	-19821.14133	870937.3170250766	36.26678791116075	-100.869422	338726.37711991512	348048.55466232	3051.551293794045	2928.910237698987	2870.9039364792524	2870.9039364792524	58.0008730963474	58.0008730963474
534	120	88594	-19161.14133	870937.3170250766	36.26678924035153	-100.867019	338928.409059044	348044.551837861	3052.018717602203	2928.018717602203	2868.847500025931	2868.847500025931	59.6200190054471	59.6200190054471
535	120	88595	-18501.14133	870937.3170250766	36.26679052453896	-100.864716	339129.4406350373	348040.54198397	3053.7536829206	2927.118436544278	2868.199769674228	2868.199769674228	60.91866776881296	60.91866776881296
536	120	88596	-17841.14133	870937.3170250766	36.26679176370786	-100.8624317	339330.474192087	348036.54674443	3049.58014522589	2926.20964773349	2864.186498381444	2864.291008012699	61.9186567300434	61.9186567300434
537	120	88597	-17181.14133	870937.3170250766	36.26679296787339	-100.8601016	339531.503846209	348032.544475989	3047.9077692592	2925.291651122013	2862.855755796852	2862.855755796852	62.4359853216035	62.4178423
538	120	88598	-16521.14133	870937.3170250766	36.26679411	-100.8577715	339732.351166013	348028.542329645	3046.03340019285	2924.346960079076	2861.3457939037394	2861.3457939037394	63.019102116827	63.00892746597544
539	120	88599	-15861.14133	870937.3170250766	36.26679521179194	-100.8554414	339933.56623158674	348024.54	3044.49904793448	2923.42870880348	2859.948456303981	2859.9484779599143	63.4802520406945	63.5396048433566
540	120	88600	-15011.14133	870937.3170250766	36.266796310119105	-100.8531113	340134.597190408	348020.538783383	3043.205681006286	2922.483122472467	2858.843473438687	2858.843473438687	63.65387197168904	63.65387197168904
541	120	88601	-14261.14133	870937.3170250766	36.26679740268629	-100.8508498	340345.806570353	348016.537989821	3042.229463336306	2921.5673677884322	2857.848698148474	2857.848698148474	63.726754580995	63.726754580995
542	120	88602	-13581.14133	870937.3170250766	36.26679825357459	-100.848511	340536.5864815986	348012.535916252	3040.6717164	2920.564834291196	2856.020330136314	2856.020330136314	64.544510515283	64.5439132803579
543	120	88603	-13221.14133	870937.3170250766	36.26679917768535	-100.846121	340737.689134271	348008.534759912	3038.075178730373	2919.5914880517	2854.780480995406	2854.694808787567	64.811007560114	64.80770791400912
544	120	88604	-12561.14133	870937.3170250766	36.26680006799606	-100.8437909	340938.79147195317	348004.53789628	3036.728746501274	2918.607516104846	2853.193025558544	2853.029407385226	65.14419055	65.1781911262056
545	120	88605	-11901.14133	870937.3170250766	36.26680088984515	-100.8414608	341139.74957477874	348000.53002774	3030.489751007218	2917.6938086071904	2851.682730011512	2851.7537628781264	65.2656059567844	65.238079206391
546	120	88606	-11241.14133	870937.3170250766	36.26680167996412	-100.8391307	341340.7797839061	347996.532403324	3028.710238054074	2916.596074795786	2850.134132894767	2849.627888398686	65.4149119019175	65.3681864
547	120	88607	-10581.14133	870937.3170250766	36.2668024486829	-100.8368868	341541.806570353	347992.531989821	3027.19567367781122	2915.6736777884322	2848.93777884322	2847.195673677884322	65.726754580995	65.726754580995
548	120	88608	-9921.14133	870937.3170250766	36.2668031231799	-100.8344075	341742.8398701	347988.531760629	3026.056621451876	2914.542539765021	2847.93777884322	2847.93777884322	66.075119778416	66.075119778416
549	120	88609	-9261.14133	870937.3170250766	36.26680377202256	-100.8321404	341943.868842594	347984.53171768	3016.88319596744	2913.466395989445	2845.6813424331995	2845.6813424331995	67.7850535562456	69.053944303705
550	120	88610	-8601.14133	870937.3170250766	36.26680439	-100.8298103	342144.3864536285	347980.532	3013.710949786049	2912.3988484432	2845.67725432071	2843.768395139104	68.62548971052138	68.62548971052138
551	120	88611	-7941.14133	870937.3170250766	36.2668050035047	-100.8274802	342345.927613189	347979.532186978	3012.143023538194	2911.310053575154	2844.063475821195	2843.4572876412353	69.1562761488007	69.1562761488007
552	120	88612	-7281.14133	870937.3170250766	36.266805469344005	-100.8251051	342546.9697182475	347973.523699832	3010.9902137130313	2910.2143524862284	2846.67366620922	2846.67366620922	70.378636033758	70.378636033758
553	120	88613	-6621.14133	870937.3170250766	36.26680594537489	-100.82282	342747.9856702295	347969.533398039	3010.5951029871975	2909.052989157975	2843.235607762683	2843.235607762683	71.06880586087935	71.06880586087935
554	120	88614	-5961.14133	870937.3170250766	36.266806753814674	-100.820489	342948.014469258	347964.53421589	3010.144473432284	2907.79843432284	2842.8862230694	2842.8862230694	72.126754580995	72.126754580995
555	120	88615	-5301.14133	870937.3170250766	36.2668075641008	-100.8181598	343150.0431157027	347960.53504678	3010.771301372617	2906.820910224516	2842.508662023963	2842.508662023963	73.5859643982527	73.5859643982527
556	120	88616	-4641.14133	870937.3170250766	36.26680790411529	-100.8158297	343351.071609334	347956.53604294	3010.444309778534	2905.633924322376	2848.150965408034	2839.474731221303	74.82798591434191	74.82798591434191
557	120	88617	-3981.14133	870937.3170250766	36.26680785941266	-100.8134996	343552.0995077975	347952.536044233	3011.118482158501	2904.36608874834	2842.2297495227195	2842.2297495227195	75.4706609202795	75.4706609202795
558	120	88618	-3321.14133	870937.3170250766	36.26680763840051	-100.8111695	343753.128140967	347948.53669081	3009.70266562744	2902.88597707647	2843.96598162933	2843.96598162933	76.2230917049652	76.2230917049652
559	120	88619	-2661.14133	870937.3170250766	36.26680784238028	-100.8088394	343954.156714973	347944.541479233	3008.913672284945	2901.5493771806378	2842.7207970606875	2842.7207970606875	77.858808638277	77.858808638277
560	120	88620	-2001.14133	870937.3170250766	36.2668080153161	-100.806993	344155.1846031828	347940.543474681	3008.4815940374681	2900.062903453745	2840.6629740408034	2840.6629740408034	78.73023005343426	78.73023005343426
561	120	88621	-1341.14133	870937.3170250766	36.266808753814674	-100.804681	344356.2179720654	347936.537989821	3007.63421589	2898.443432284	2840.134132894767	2840.134132894767	79.622754580995	79.622754580995
562	120	88622	-681.14133	870937.3170250766	36.266809184256875	-100.801891	344557.2393028438	347932.548021427	3007.617275347643	2897.026058352927	2842.204094051195	2842.204094051195	80.525793728513	80.525793728513
563	120	88623	-1.14133	870937.3170250766	36.26680928014805	-100.799519	344758.2668210095							

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLL	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
645	102	88705	54098.8586730335	870937.3170250766	39.26665700816856	-100.6848512	316242.0217330000	4347601.389423207	271.3242192783327	2671.19804935052602	2654.4580845870284	42.80460479	90.00305370354625
646	102	88706	54178.8586730335	870937.3170250766	39.26665329642008	-100.6061121	316443.0373456885	4347597.407321706	2813.253745640426	2642.71766020189	2658.907289497549	50.517941054527	84.32265022989828
647	102	88707	54148.8586730335	870937.3170250766	39.26664954	-100.617891	316444.92819248	4347585.32321706	2812.264735448819	2672.0060720348518	2672.9007720348518	79.1124680606688	79.1124680606688
648	108	88708	56078.8586730335	870937.3170250766	39.26664573790025	-100.614069	316485.0815611909	4347589.43673221	2812.076805564694	2740.801114771625	2681.3906575175256	59.4050751195432	74.87403538
649	108	88709	56738.8586730335	870937.3170250766	39.26664189112822	-100.5991308	316240.83396696	4347581.462124414	2811.917341610816	2739.5858913538273	2687.9641033944877	51.62178795938462	72.9186708898951
650	120	88710	57398.8586730335	870937.3170250766	39.26663739934774	-100.5968007	316247.098429687	4347584.804761019	2811.75787575816	2738.366297548259	2692.542742950463	60.681667067674	68.6842904
651	120	88711	58058.8586730335	870937.3170250766	39.26663406259156	-100.5944706	316248.1133696094	4347577.49862129	2811.257073198418	2737.1367548458933	2695.299137	67.2411247124222	41.83761792552688
652	120	88712	58718.8586730335	870937.3170250766	39.26663008076247	-100.5924105	316249.1281712401	4347575.118587737	2811.044925465	2735.890552573746	2696.521418181976	69.345792966964	61.54075890714954
653	120	88713	59378.8586730335	870937.3170250766	39.2666265365763	-100.5898106	316250.1426426247	4347569.538	2809.2151909638	2734.6203137583884	2697.010467248992	67.030473529719	67.03089581
654	120	88714	60038.8586730335	870937.3170250766	39.2662198214471	-100.5874804	316301.15738194576	4347565.57152402	2733.91734231077	2696.91915943177	2694.70012325288	68.4007548803431	48.5592103
655	120	88715	60698.8586730335	870937.3170250766	39.26661786532674	-100.5851503	316322.1717888107	4347561.57671441	2808.79212233116	2731.88307048858	2696.21746602987	68.8924018480235	57.3132435467065
656	120	88716	61358.8586730335	870937.3170250766	39.26661370494532	-100.5826202	316343.186063213	4347557.596	2808.75733459806	2730.6088816904276	2694.012000808596	68.862816803627	56.96880829571546
657	120	88717	62018.8586730335	870937.3170250766	39.2666109465733	-100.5804901	316364.200205859	4347553.6182891	2807.120254745986	2729.197834012398	2688.983205779153	68.425622332338	41.6935507480261
658	120	88718	62678.8586730335	870937.3170250766	39.26660524481205	-100.57816	316385.214421790647	4347545.6349528	2807.16873602118	2727.154726880407	2680.186052824786	69.5680740556149	47.9613199633814
659	120	88719	63338.8586730335	870937.3170250766	39.26660094795966	-100.575929	316406.2280977824	4347546.6597213	2807.18485483100794	2726.265898552386	2671.859598650724	67.1839024263111	54.446466980715384
660	120	88720	63998.8586730335	870937.3170250766	39.266600907245	-100.573498	316425.2148494384	4347541.67723366	2807.1274869251793	2724.796896917474	2684.233077869378	68.4992208865	56.5629025019845
661	120	88721	64658.8586730335	870937.3170250766	39.2665921922776	-100.5711698	316448.254640573	4347537.69709303	2803.761090440278	2723.29787381854	2686.96576904548	66.543513568293	55.7633601151112
662	120	88722	65318.8586730335	870937.3170250766	39.26658737350254	-100.5685397	316469.2690505233	4347531.78197019	2801.7206647305378	2721.396692894253	2668.01915484291	64.3959711804805	53.737051101616
663	120	88723	65978.8586730335	870937.3170250766	39.26658310464675	-100.5665096	316480.2823070134	4347529.79824379	2796.00841245363	2720.2851037520813	2669.22873984715	66.969167106957	51.0563630466634
664	120	88724	66638.8586730335	870937.3170250766	39.26657878857108	-100.5641795	316501.2953279374	4347526.71082439	2790.5943823121453	2718.778053964107	2670.3912425740066	68.1069814507581	47.80890888526275
665	120	88725	67298.8586730335	870937.3170250766	39.26657422166948	-100.5618494	316522.306283471	4347518.74245683	2787.160437350737	2717.273267384484	2667.36540890184537	66.7407439630714	49.86711804881545
666	120	88726	67958.8586730335	870937.3170250766	39.26657006975985	-100.5595193	316543.3216	4347517.800433923	2785.778162739523	2715.767517179365	2662.8598844146653	62.5909767307164	53.21891200831543
667	120	88727	68618.8586730335	870937.3170250766	39.2665659616441	-100.5571983	316564.324494561	4347512.625119115	2777.65595198735	2694.914029	2659.7689771960923	62.52202316424	50.191709
668	120	88728	69278.8586730335	870937.3170250766	39.2665625091161	-100.5545692	316585.3475137967	4347509.848	2774.15637245111	2712.7623395305	2661.500131109351	66.14453787056764	51.262082412427
669	120	88729	69938.8586730335	870937.3170250766	39.26655503386302	-100.5525291	316606.3597125587	4347505.8699022755	2772.8211552469437	2711.261830393973	2657.570821884878	66.340979374255	42.9668317197379
670	120	88730	70598.8586730335	870937.3170250766	39.26655071204145	-100.550199	316627.3721601343	4347501.892227286	2771.1259736067173	2709.7643252441035	2667.799913497605	66.68241183039135	41.5231144
671	120	88731	71258.8586730335	870937.3170250766	39.26654588	-100.5478689	316648.384787296	4347497.914736622	2769.850595026116	2708.269951499585	2667.18562774948	66.70845778477096	41.185378302248864
672	120	88732	71918.8586730335	870937.3170250766	39.26654099313441	-100.545538	316669.39668548	4347493.937430278	2768.994313717067	2706.77876558257	2667.3654295090922	66.6876985482	39.4133968426484
673	120	88733	72578.8586730335	870937.3170250766	39.2665360616648	-100.543198	316680.4096781825	4347491.658569623	2768.1377917819827	2705.795751664075	2668.448957135472	66.6876985705238	37.4885729005254
674	120	88734	73238.8586730335	870937.3170250766	39.266531217	-100.5408717	316707.420757593	4347488.93368128	2767.2843577578992	2704.74573789092	2667.173395840716924	67.73423960930265	40.191709
675	120	88735	73898.8586730335	870937.3170250766	39.26652607721176	-100.538548	316722.43256731634	4347482.006515084	2767.2358737029217	2702.321349048019	2672.33277564657	67.73423960930265	29.2385245084309
676	120	88736	74558.8586730335	870937.3170250766	39.2665210152249	-100.5362185	316743.4442407484	4347478.03	2767.00729482126	2700.83518599855	2676.1086178372454	67.7270077220406	22.985061670784
677	120	88737	75218.8586730335	870937.3170250766	39.26651590825344	-100.5338884	316764.4557930841	4347470.0361033	2766.75655240334	2699.36620415534	2684.306371184034	68.74845305461182	15.04028996416995
678	120	88738	75878.8586730335	870937.3170250766	39.26651076220235	-100.5315583	316785.4757241536	4347470.07460404	2766.530410059043	2691.87126661109	2691.371699720491	68.913024567282	5.2134522828373
679	120	88739	76538.8586730335	870937.3170250766	39.2665055920729	-100.5292283	316806.4768508601	4347466.101444036	2765.715110989047	2696.341700928126	2693.725134632028	68.95035460744471	1.091137494054949
680	120	88740	77198.8586730335	870937.3170250766	39.2665007284854	-100.5269892	316827.489576381	4347462.1256119115	2764.9216595198735	2694.914029	2692.32202316424	68.95035460744471	1.091137494054949
681	120	88741	77858.8586730335	870937.3170250766	39.26649503015775	-100.5245681	316848.675007	4347458.14964029	2762.87409406665	2693.434984	2671.344643115624	67.979192874674	22.990340166246
682	120	88742	78518.8586730335	870937.3170250766	39.2664890812116	-100.522238	316869.5161289984	4347454.174500371	2767.98563614595	2691.957373499237	2690.421442884316	68.96018586025273	31.3535043421079
683	120	88743	79178.8586730335	870937.3170250766	39.26648432107646	-100.519908	316888.5224	4347450.139852993	2768.130834895467	2690.481600551347	2690.477690226066	67.979192874674	22.990340166246
684	120	88744	79838.8586730335	870937.3170250766	39.2664788902448	-100.5175779	316908.15307626117	4347446.224125708	2768.250980432469	2689.00800784503	2682.309287040047	68.4158674496302	46.871519940826
685	120	88745	80498.8586730335	870937.3170250766	39.26647343	-100.5152478	316922.5430166186	4347442.249214688	2768.370951603493	2688.933858297	2684.903484789458	68.4158674496302	46.871519940826
686	120	88746	81158.8586730335	870937.3170250766	39.2664679198647	-100.5129177	316943.550150658	4347438.27447854	2768.4010095713124	2686.067301021034	2686.94827	68.4158674496302	46.871519940826
687	120	88747	81818.8586730335	870937.3170250766	39.26646270873722	-100.5106276	316964.574509187	4347434.32567373	2768.4010095713124	2686.067301021034	2686.94827	68.4158674496302	46.871519940826
688	120	88748	82478.8586730335	870937.3170250766	39.26645708707372	-100.5083974	316985.574509187	4347430.32567373	2768.4010095713124	2686.067301021034	2686.94827	68.4158674496302	46.871519940826
689	120	88749	83138.8586730335	870937.3170250766	39.26645113645914	-100.5059275	317006.58404990434	4347426.35141428	2768.32413339052	2686.1873109409525	2686.22762665219	68.4158674496302	46.871519940826
690	120	88750	83898.8586730335	870937.3170250766	39.266445154684	-100.5035974	317027.59439784905	4347422.37422279	2768.283505166456	2686.214046172	2686.67889764515	68.4158674496302	46.871519940826
691	120	88751	84458.8586730335	870937.3170250766	39.266439684439966	-100.5012673	317048.601798173	4347418.01661275	2768.283505166456	2686.214046172	2686.67889764515	68.4158674496302	46.871519940826
692	120	88752	85118.8586730335	870937.3170250766	39.2664330232536	-100.4989373	317069.61138710						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
31	121	88831	-351141.1413	871597.3170250766	39.26225104567817	-102.0390905	237789.3201001076	4350282.859779378	3964.8281711936297	371.0043780022156	3676.230383535354	3666.961964870558	74.739944886169	94.00821313165761
32	121	88832	-350481.1413	871597.3170250766	39.262274987587416	-102.0367008	237900.4544131876	4350276.765288484	3951.304853995203	375.872393575768	3674.090603250129	3669.873454134304	74.26293523591229	88.99875214096392
33	121	88833	-349861.1413	871597.3170250766	39.2623884149506	-102.0367008	238191.59348674717	4350274.865975984	3957.872869694118	375.721834581692	3672.889271800039	3671.4755741809603	74.2463562733917	92.2463562733917
34	121	88834	-349161.1413	871597.3170250766	39.262325764113156	-102.0367008	238392.782635841	4350276.568258045	3954.395103888032	375.453923712141	3670.93519695363	3671.828471722774	74.81859667190492	82.7253205
35	121	88835	-348501.1413	871597.3170250766	39.2623466332953	-102.0297715	238593.8637990645	4350266.472130401	3951.942051749397	375.2368430555304	3668.90480456861366	3671.8155985338956	74.8062263916387	80.5523505140484
36	121	88836	-347841.1413	871597.3170250766	39.26237025024822	-102.0274418	238794.9990753624	4350263.75691884	3950.5136207912	375.1660919205914	3666.199818739124	3671.82053476643	74.8362723	78.2454569
37	121	88837	-347181.1413	871597.3170250766	39.262339302169165	-102.025112	238996.1340926934	4350258.29442847	3948.08520947482847	374.747482870648	3664.028564684437	3671.8488205078783	74.8188402205317	75.485791986084
38	121	88838	-346521.1413	871597.3170250766	39.2624175409231	-102.0227822	239197.26885126566	4350254.183382795	3947.6567747117837	374.571262	3662.106370851871	3672.862033303685	74.80624907368931	75.20258689187508
39	121	88839	-345861.1413	871597.3170250766	39.2624411610178	-102.0187654	239586.40355128125	4350250.087518173	3945.7927869483113	374.2912619235927	3659.636985418563	3667.889271800039	74.80624907368931	75.20258689187508
40	121	88840	-345201.1413	871597.3170250766	39.26244722945005	-102.0181227	239599.5792504716	4350249.951832527	3943.556612003903	374.119830488545	3657.138907795843	3668.555371823069	74.80624907368931	75.20258689187508
41	121	88841	-344541.1413	871597.3170250766	39.2624838794465	-102.0157929	239800.6757464827	4350241.896341329	3941.215802478473	373.9812145303504	3654.753055950597	3660.87059290607	74.80145138047352	75.20258689187508
42	121	88842	-343881.1413	871597.3170250766	39.26251171180596	-102.0134632	240001.805302404	4350237.801093762	3938.925347595313	373.632789551838	3652.655057548931	3661.934077110677	74.80624907368931	75.20258689187508
43	121	88843	-343221.1413	871597.3170250766	39.26253513873945	-102.011334	240202.9387698953	4350234.203952762	3936.23429056812	373.4374228592417	3650.6172682963415	3661.43869578661	74.80624907368931	75.20258689187508
44	121	88844	-342561.1413	871597.3170250766	39.26255852067485	-102.008036	240404.0719802144	4350226.911043735	3933.316953724814	373.23208702	3648.4752738609978	3653.5248164442935	74.80624907368931	75.20258689187508
45	121	88845	-341901.1413	871597.3170250766	39.26258185761215	-102.0064739	240605.20493320897	4350215.516270912	3930.341515207874	372.9176877705	3646.559446329396	3653.48483296438	74.80624907368931	75.20258689187508
46	121	88846	-341241.1413	871597.3170250766	39.26260514955125	-102.0044141	240806.3378290854	4350211.421726963	3927.368192734055	372.714089768364	3645.00111339243	3650.330819049211	74.80624907368931	75.20258689187508
47	121	88847	-340581.1413	871597.3170250766	39.262638394222	-102.0018143	241007.4706808412	4350217.3237	3924.237840068406	372.508489175901	3643.519530047507	3648.394219527373	74.80624907368931	75.20258689187508
48	121	88848	-339921.1413	871597.3170250766	39.2626515084342	-101.9994845	241208.6025203567	4350213.23206997	3922.770331372287	372.370331372287	3642.038110451517	3646.603198744506	74.80624907368931	75.20258689187508
49	121	88849	-339261.1413	871597.3170250766	39.26267475379344	-101.9971548	241409.37417605905	4350209.139231162	3917.675413764646	372.045810062907	3640.426871706873	3642.862730870522	74.80624907368931	75.20258689187508
50	121	88850	-338601.1413	871597.3170250766	39.26269786732345	-101.994825	241610.865845157	4350205.05444715	3914.394178642035	371.8152458911964	3638.91317	3642.862730870522	74.80624907368931	75.20258689187508
51	121	88851	-337941.1413	871597.3170250766	39.2627209342713	-101.9924952	241811.9975288486	4350200.951847693	3912.048463339563	371.5758473736612	3637.6245246143985	3641.68379196008	74.80624907368931	75.20258689187508
52	121	88852	-337281.1413	871597.3170250766	39.26274356622315	-101.9901654	242013.1284163603	4350195.958459965	3910.632693359543	371.368055731222	3636.535894755862	3640.736497532424	74.80624907368931	75.20258689187508
53	121	88853	-336621.1413	871597.3170250766	39.26276613317327	-101.9878454	242218.3658211935	4350190.788191155	3908.6112868184413	371.158128192927	3635.42485542801124	3639.535218577875	74.80624907368931	75.20258689187508
54	121	88854	-335961.1413	871597.3170250766	39.26278865125576	-101.9855059	242415.3899648508	4350188.672192991	3907.1778051031877	370.9039051708447	3634.63181045582	3637.295822379738	74.80624907368931	75.20258689187508
55	121	88855	-335301.1413	871597.3170250766	39.2628127125079356	-101.9831761	242616.52053554478	4350184.57935091	3906.7270201829787	370.6820582359622	3633.165955156222	3637.148621286218	74.80624907368931	75.20258689187508
56	121	88856	-334641.1413	871597.3170250766	39.26283550403452	-101.9808463	242817.6504915336	4350180.486702839	3904.1210398456783	370.4587907941374	3631.47834524679	3636.026889259663	74.80624907368931	75.20258689187508
57	121	88857	-333981.1413	871597.3170250766	39.26285830991084	-101.9785165	243018.7873266433	4350176.392419333	3900.444876774897	370.2400635755963	3629.904948155819	3634.489215246533	74.80624907368931	75.20258689187508
58	121	88858	-333321.1413	871597.3170250766	39.26288114294896	-101.9761867	243219.90999914162	4350172.13079361	3897.777155032054	370.0240959736017	3627.482760135353	3635.957342543487	74.80624907368931	75.20258689187508
59	121	88859	-332661.1413	871597.3170250766	39.26290394898016	-101.9738675	243421.0387116835	4350168.2211683	3895.61774022896	369.841212215927	3626.4331029247	3634.489215246533	74.80624907368931	75.20258689187508
60	121	88860	-332001.1413	871597.3170250766	39.26292651	-101.9715271	243622.01857076	4350164.117905196	3892.161791057178	368.219873051576	3625.03901356716	3630.59013271524	74.80624907368931	75.20258689187508
61	121	88861	-331341.1413	871597.3170250766	39.26294912883007	-101.9691973	243823.293757005	4350160.02691587	3889.370456979634	368.3565314907764	3621.273319486393	3627.013050299622	74.80624907368931	75.20258689187508
62	121	88862	-330681.1413	871597.3170250766	39.2629717079279	-101.9668675	244024.542062613	4350155.3477287	3887.122495807645	367.31038896027814	3623.80331701199	3622.06020486611	74.80624907368931	75.20258689187508
63	121	88863	-330021.1413	871597.3170250766	39.26299427575662	-101.9645377	244225.55431890136	4350151.843	3883.87519983536	366.915589745796	3616.634044010781	3625.03901356716	74.80624907368931	75.20258689187508
64	121	88864	-329361.1413	871597.3170250766	39.263016709721526	-101.9622079	244426.682417654	4350147.752316588	3881.15785789846	366.327288523923	3614.070132819232	3618.6942658583957	74.80624907368931	75.20258689187508
65	121	88865	-328701.1413	871597.3170250766	39.26303914688745	-101.9598781	244627.81027414373	4350143.361701373	3879.275196306393	365.969500122385	3611.3198936038	3620.741584103678	74.80624907368931	75.20258689187508
66	121	88866	-328041.1413	871597.3170250766	39.26306185345434	-101.9575483	244828.9379133037	4350139.57013037	3876.42174022896	365.841212215927	3609.44311956247	3618.6942658583957	74.80624907368931	75.20258689187508
67	121	88867	-327381.1413	871597.3170250766	39.2630838562215	-101.9552185	245030.65221188113	4350135.480045175	3874.570783903634	365.8023967024123	3608.756667314833	3617.933061224835	74.80624907368931	75.20258689187508
68	121	88868	-326721.1413	871597.3170250766	39.26310619	-101.9528887	245231.19230311128	4350131.39964584	3869.057283540595	360.149628315	3602.425131397858	3617.933061224835	74.80624907368931	75.20258689187508
69	121	88869	-326061.1413	871597.3170250766	39.2631284456047	-101.9505589	245432.3914194653	4350127.29947251	3864.53806394845	367.8216197491083	3599.413990202671	3610.2806504541209	74.80624907368931	75.20258689187508
70	121	88870	-325401.1413	871597.3170250766	39.263150665306	-101.9482291	245633.4572589053	4350123.19947712	3860.030328495006	367.72719441561	3596.819686631679	3607.404765693491	74.80624907368931	75.20258689187508
71	121	88871	-324741.1413	871597.3170250766	39.2631728352002	-101.9459893	245834.57026351234	4350119.2066339	3856.113734862921	367.43300497248492	3594.553084304054	3602.404765693491	74.80624907368931	75.20258689187508
72	121	88872	-324081.1413	871597.3170250766	39.263194545473891	-101.9436959	246035.6961451317	4350115.030044747	3852.794060362393	367.236862818874	3590.724960713807	3600.19602791752	74.80624907368931	75.20258689187508
73	121	88873	-323421.1413	871597.3170250766	39.26321627444645	-101.9414041	246236.821244645	4350111.39964584	3850.469274897591	367.0469714897591	3588.794271230714	3600.19602791752	74.80624907368931	75.20258689187508
74	121	88874	-322761.1413	871597.3170250766	39.26323904543081	-101.9391099	246437.9465733317	4350107.85136722	3848.15468093054	366.8397607024123	3587.655667314833	3600.19602791752	74.80624907368931	75.20258689187508
75														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBokth.f	SatHtKgr.f	SatHtBokth.f
127	181	88957	-267981.1413	871597.3170250766	36.26491083650117	-101.74555308	263130.516897570	4349768.103143963	372.0256059128722	3529.5984668387845	3470.58257008724	3481.9403846254955	50.9193928912098	47.65808172383536
158	121	88958	-267321.1413	871597.3170250766	36.264529068367646	-101.7452009	263331.622095408	4349764.029717010	3718.700015119254	3428.4306617012084	3471.423062292328	3476.9345964781914	60.9846546197048	47.59489891923457
159	121	88959	-266961.1413	871597.3170250766	36.26494729827149	-101.7460799	263352.7776	4349759.3520419253	3717.148629991378	3417.257415598634	3464.188723268356	3480.110543262182	53.9688140710999	47.14701887467263
160	121	88960	-266001.1413	871597.3170250766	36.26496545716174	-101.738541	263373.8318969482	4349755.837991019	3710.7194457370258	3526.035572718932	3463.2869698567801	3470.058365119212	46.7458771198038	47.0678771198038
161	121	88961	-265341.1413	871597.3170250766	36.264983574042028	-101.7362111	263394.93638617056	4349751.810781956	3716.65529149883	3523.79224075411	3464.102534980097	3471.5510714170355	60.6772070953186	47.2289464674674
162	121	88962	-264681.1413	871597.3170250766	36.26500165	-101.7338812	2641.36040495526	4349747.738163503	3715.900573270257	3524.722464895457	3465.112400702572	3476.2551374270267	46.7810687829011	47.267151647470655
163	121	88963	-264021.1413	871597.3170250766	36.265019672789194	-101.7315512	264337.1448783653	4349743.656733054	3715.697175369974	3522.2658554960226	3466.5160440887485	3471.9291737497056	55.74891140727414	47.330681746227006
164	121	88964	-263011.1413	871597.3170250766	36.2650376	-101.7292213	264538.2446772232	4349739.59432998	3716.022825758013	3521.009890601767	3468.154710368682	3471.628113737529	45.26518049149459	49.3520734848777
165	121	88965	-262361.1413	871597.3170250766	36.26505559152761	-101.7268614	264739.3520419253	4349735.521439733	3716.378632659567	3519.7545237133984	3467.432136292957	3472.431814674382	47.01301038791978	47.314083869731
166	121	88966	-262041.1413	871597.3170250766	36.265073483393167	-101.7245515	264940.5405471367	4349731.449575648	3716.672944743966	3518.499961940784	3472.213491534357	3473.66659178706	46.2847046	44.8337015207626
167	121	88967	-261381.1413	871597.3170250766	36.26509133025346	-101.7222315	265141.5584740276	4349727.377001584	3714.96110054715694	3517.247695645658	3473.6165516310157	3473.6165516310157	43.73114001755229	42.927025378202019
168	121	88968	-260721.1413	871597.3170250766	36.265109132112336	-101.7199016	265324.66134193214	4349723.30641319	3714.21206332011	3515.998466866837	3472.95728026077	3473.187931042735	42.8103680601274	42.8103680601274
169	121	88969	-260061.1413	871597.3170250766	36.2651268896827	-101.7175717	265543.763977924	4349719.253114811	3707.463122066862	3514.75332651758	3471.039552229343	3471.039552229343	43.7194780128829	44.300326841546394
170	121	88970	-259401.1413	871597.3170250766	36.2651446002122	-101.7152417	265744.866825242	4349715.164	3703.714180817208	3513.513581970226	3468.65383212883	3468.65383212883	44.659974984139626	45.7622428516713
171	121	88971	-258741.1413	871597.3170250766	36.265162267671194	-101.7129118	265945.8665551262	4349711.093936897	3698.7310924941652	3512.2780333603014	3466.4711743970256	3465.3047979239373	45.8068586325757	46.9732346336412
172	121	88972	-258081.1413	871597.3170250766	36.26517989518066	-101.7098728	266147.074967453	4349707.02235046	3698.5199424562034	3511.0472872490573	3464.517840217897	3463.162376143875	46.5230452128761	47.8849111
173	121	88973	-257421.1413	871597.3170250766	36.2651974	-101.7082519	266348.17202731557	4349705.951806731	3691.306763961667	3509.820713339303	3462.192917610093	3463.362029059657	47.627799283271	48.45710629289631
174	121	88974	-256761.1413	871597.3170250766	36.26521490820216	-101.705922	266549.27368740375	4349698.81	3687.0538547074774	3508.59793914774	3460.58973914774	3460.58973914774	48.8713671248174	48.8713671248174
175	121	88975	-256101.1413	871597.3170250766	36.26523248504011	-101.703592	266750.374369134	4349694.81128364	3683.7621816354	3507.378735795037	3458.531119921797	3457.7350312253484	48.84761576968845	49.6437406968845
176	121	88976	-255441.1413	871597.3170250766	36.265249687458	-101.7012621	266951.4795947928	4349690.7413051985	3681.29877601305	3506.1623569738051	3456.52736226429	3456.52736226429	49.63949487139626	50.410991649691
177	121	88977	-254781.1413	871597.3170250766	36.265267323705764	-101.6989321	267153.574732256	4349687.61151304	3678.84012451856	3504.947433408206	3454.342220864326	3454.342220864326	50.6052325438761	51.5263946794526
178	121	88978	-254121.1413	871597.3170250766	36.26528467553372	-101.6966022	267352.671016351	4349682.60191367	3676.381731258666	3503.733312399536	3451.9348661571104	3451.295405614823	51.26459142195224	52.43786175719333
179	121	88979	-253461.1413	871597.3170250766	36.2653028235535	-101.6942723	267554.7776	4349678.532300182	3674.3532500182	3502.551333363934	3449.4876565	3449.4876565	52.371984498192	53.17019451151021
180	121	88980	-252801.1413	871597.3170250766	36.26531924	-101.691923	267755.8772210254	4349674.843725482	3672.901466713623	3501.308184814096	3446.063553	3445.395145844962	52.2439317147954	55.0720389671774
181	121	88881	-252141.1413	871597.3170250766	36.26533636997716	-101.6896124	267956.877598788	4349671.442392954	3671.414487437623	3500.094422440238	3442.854657253798	3442.854657253798	52.269751864356	57.3610998696114
182	121	88882	-251481.1413	871597.3170250766	36.265336381236	-101.6872824	268158.07723916415	4349666.325391495	3669.91527857479	3498.7016259185	3439.203239813586	3439.203239813586	56.9734927782426	59.62893101
183	121	88883	-250821.1413	871597.3170250766	36.2653707962357	-101.6848525	268359.1766505438	4349662.567232191	3667.8898016	3497.62587693251	3435.102277776494	3435.102277776494	62.2659918808148	62.527410763173065
184	121	88884	-250161.1413	871597.3170250766	36.2653874143138	-101.6826225	268560.278531338	4349658.182621342	3665.3598119410053	3496.4192006694123	3430.523656158774	3430.523656158774	65.8906186069596	65.8906186069596
185	121	88885	-249501.1413	871597.3170250766	36.2654048	-101.6803285	268760.37478713784	4349654.119878936	3663.181617622575	3495.765208844498	3425.505490768137	3425.505490768137	68.96987650873486	68.96987650873486
186	121	88886	-248841.1413	871597.3170250766	36.26542187003526	-101.6779629	268950.4735	4349650.052	3660.394542415737	3493.90456244154	3420.290511613963	3420.290511613963	73.62890412538	73.70194511151021
187	121	88887	-248181.1413	871597.3170250766	36.265438816833786	-101.6756327	269163.5702102105	4349645.983974929	3658.210609054868	3492.623740532292	3415.06471702003	3415.06471702003	74.2724946028892	77.6474234771127
188	121	88888	-247521.1413	871597.3170250766	36.26545572	-101.6733027	269364.7607296919	4349641.61262314	3656.603215274367	3491.314210221721	3411.06487776536	3410.880370204676	80.24724245	80.24724245
189	121	88889	-246861.1413	871597.3170250766	36.26547258	-101.6709728	269565.76832140546	4349637.848733611	3654.9583441081656	3489.9323647673	3407.93488813435	3407.93488813435	82.06679473161239	82.06679473161239
190	121	88890	-246201.1413	871597.3170250766	36.265489327404084	-101.6686428	269766.861356521	4349633.781393231	3653.3884464166156	3488.075226013133	3405.236193030334	3405.236193030334	83.27193853951349	83.27193853951349
191	121	88891	-245541.1413	871597.3170250766	36.26550515398888	-101.6663128	269967.3652726254	4349628.17414249	3652.78570260085	3487.2119585810265	3403.63244911226	3403.63244911226	84.8167406698004	83.31672367807731
192	121	88892	-244881.1413	871597.3170250766	36.2655228	-101.6639283	270169.1610210516	4349624.52772732	3651.181617622575	3485.195490768137	3402.19052309433	3402.19052309433	85.757050754272	85.757050754272
193	121	88893	-244221.1413	871597.3170250766	36.265539525414045	-101.6616529	270370.15821472567	4349621.580502282	3650.357952936798	3484.36134206591	3401.66357093467	3401.66357093467	86.79124960454519	86.79124960454519
194	121	88894	-243561.1413	871597.3170250766	36.26555618431303	-101.659323	270571.2551206903	4349617.514	3653.974399474136	3482.916031776645	3402.403175112948	3409.756087343791	85.5125666369768	73.1599443285445
195	121	88895	-242901.1413	871597.3170250766	36.26557277108087	-101.656993	270772.35180013266	4349613.447571731	3653.95863855313	3481.66578383084	3408.26065542538	3411.655210388269	72.784512308269	69.811217847317
196	121	88896	-242241.1413	871597.3170250766	36.2655931284488	-101.654663	270974.482532414	4349609.381307736	3653.523124886668	3480.01946852509	3409.7014194282474	3410.753286137484	73.7012804277858	66.9438660111364
197	121	88897	-241581.1413	871597.3170250766	36.2656050960506	-101.6523331	271174.544802276	4349605.31528611	3653.0884617123024	3478.579363505024	3408.790148918089	3410.753286137484	73.7012804277858	66.9438660111364
198	121	88898	-240921.1413	871597.3170250766	36.26562253136139	-101.6500331	271375.6404812965	4349601.248452812	3652.650297557376	3477.153500595133	3415.496378912119	3415.496378912119	61.65652368739438	61.65652368739438
199	121	88899	-240261.1413	871597.3170250766	36.2656408	-101.6477387	271569.368611967	4349597.29218087	3651.9239154778	3476.15892191617	3414.589219117918	3414.589219117918	62.81697392133	62.81697392133
200	121	88900	-239601.1413	871597.3170250766	36.26565503	-101.6454332	271777.831805502	4349593.11835258	3650.41234833357	3474.36943074307	3414.60177510089	3414.60177510089	63.975201189149	63.975201189149
201	121	88901	-238941.1413	871597.3170250766	36.26567134660564	-101								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVElevKrg.ft	BREVElevBothKrg.ft	Lat2BothKrg.ft	SatThBoth.ft	
283	121	89083	-184821.1413	871597.3170250766	39.26685616834312	-101.45195825	288467.99678851856	342956.3412598587	3499.6816613996716	3359.437192053953	3358.174898323845	3362.086056520275	1.522293730180128	0	
284	121	89084	-184161.1413	871597.3170250766	39.26686874965765	-101.4496225	288689.07412813656	343924.2915970483	3486.895296935828	3357.122172609679	3357.47816174838	3361.523669157367	0	0	
285	121	89085	-183501.1413	871597.3170250766	39.26687618365638	-101.4482824	288760.15125969313	344363.2421229133	3484.0568249591744	3354.8377779337675	3358.264369731938	3359.864254294847	0	0	
286	121	89086	-182841.1413	871597.3170250766	39.2668897776783	-101.4446284	289071.22818336415	344924.219203438	3401.2445561688355	3352.582938355934	3353.379046532333	3359.60035702901	0	0	
287	121	89087	-182181.1413	871597.3170250766	39.266906223563446	-101.4426323	289272.3048998586	345240.2174374952	3488.2462059444123	3350.3541810482598	3348.8113004452307	3359.021374405064	1.542880604209051	0	
288	121	89088	-181521.1413	871597.3170250766	39.26691862485887	-101.4403023	289473.3815079054	345836.00442035	3489.348230495846	3348.1508838850799	3348.68046803997	3358.1284513154164	3.47807801428473	0	
289	121	89089	-180861.1413	871597.3170250766	39.2669338814175	-101.4379722	289674.45780922106	346322.04069068	3488.856781862729	3348.972342288556	3348.30670678072	3358.61248078067	5.64023487838332	0	
290	121	89090	-180201.1413	871597.3170250766	39.2669439241823	-101.4356422	289875.53390349064	346927.2275959493	3484.4815828712	3343.817861845307	3343.598761619744	3357.673254394215	8.16423634392715	0	
291	121	89091	-179541.1413	871597.3170250766	39.2669555658829	-101.4333121	290076.60978091993	347492.349221036	3481.659526195677	3341.659526195677	3341.4372744854322	3356.813808365377	10.4888747328688	0	
292	121	89092	-178881.1413	871597.3170250766	39.2669677	-101.4309821	290277.6855	348219.9219	3485.802594112716	3339.5711288619	3337.861474262462	3351.123502492452	11.7153626297778	0	
293	121	89093	-178221.1413	871597.3170250766	39.2669795620056	-101.428652	290478.760460787	348521.8583	3484.159094312005	3337.491357678945	3337.491357678945	3342.04514100017	13.482214665110801	0	
294	121	89094	-177561.1413	871597.3170250766	39.26699209	-101.426322	290679.8362142736	349211.28058791	3482.515595	3335.427724302536	3320.4184	3343.780530624147	15.009324628295672	0	
295	121	89095	-176901.1413	871597.3170250766	39.26700417370385	-101.423919	290880.9112167304	349307.75691343	3480.3283817468387	3333.385979452258	3317.256125559004	3343.500569569878	16.12985389325422	0	
296	121	89096	-176241.1413	871597.3170250766	39.26701621494146	-101.421619	291081.9861326424	349193.70280514	3477.5972670401238	3331.366517192343	3312.5781690385723	3347.59486040328	17.84838153770558	0	
297	121	89097	-175581.1413	871597.3170250766	39.26702821117251	-101.419318	291283.0607833803	349196.063570299	3479.86621526409	3329.3677873202896	3310.298025015154	3358.624061543113	19.069762305135555	0	
298	121	89098	-174921.1413	871597.3170250766	39.26704016239697	-101.417018	291484.1352286283	349195.061621686	3472.13516318918	3327.38726575189	3308.17545688906	3323.654051719726	19.12140288920167	0	
299	121	89099	-174261.1413	871597.3170250766	39.2670526861485	-101.4146717	291685.20946871943	349191.569173675	3470.074942	3325.42512470058	3306.37845222773	3330.440223192559	19.0667427226808	0	
300	121	89100	-173601.1413	871597.3170250766	39.26706303926269	-101.4123417	291886.2830536181	349187.525213521	3468.604548616753	3323.477378120661	3303.771193878194	3328.208720119039	19.04671842424666	0	
301	121	89101	-172941.1413	871597.3170250766	39.267075746037076	-101.4100116	292087.3573341245	349183.476040413	3467.161157292704	3321.542822889212	3301.7902376694597	3324.73047040478915	19.75285821975229	0	
302	121	89102	-172281.1413	871597.3170250766	39.267087517272863	-101.407815	292288.431	349179.4752971547	3465.717766264514	3319.620758270254	3299.301466272691	3324.13236745031	20.312865940513	0	
303	121	89103	-171621.1413	871597.3170250766	39.26709924341986	-101.405315	292489.5048319174	349175.383657447	3463.65462	3317.70917139856	3296.875795109526	3323.068446695617	20.83326040459763	0	
304	121	89104	-170961.1413	871597.3170250766	39.26711052403196	-101.403024	292680.575983615	349171.37747306	3461.9077245	3315.807774410743	3295.1372608573	3318.3409676125502	20.5136354668203	0	
305	121	89105	-170301.1413	871597.3170250766	39.2671226078214	-101.400784	292875.581156213	349174.17469478	3460.245246249817	3313.8345246249817	3293.8345246249817	3313.8345246249817	21.494170202414	0	
306	121	89106	-169641.1413	871597.3170250766	39.2671345155312	-101.3983163	293092.7230095574	349183.24649886	3455.618811	3312.022513611233	3290.8110040505494	3310.763505479047	21.1215067548334	1.2590050241920244	0
307	121	89107	-168981.1413	871597.3170250766	39.26714568811739	-101.3960312	293293.7960269577	349159.20141264	3453.6571855254546	3310.34714638846	3288.6559274830647	3306.911008796343	21.4787876	3.223707659212323	0
308	121	89108	-168321.1413	871597.3170250766	39.267157159274806	-101.3937012	293494.6684298175	349155.155982182	3452.41358524516	3308.246964597191	3286.536732022784	3303.63468824801	21.710231394871626	4.811276348700176	0
309	121	89109	-167661.1413	871597.3170250766	39.26716865525415	-101.3913711	293695.940620722	349151.11009724	3451.1669837193876	3306.357817456335	3284.9257953214733	3299.9331402561033	21.74178426140236	6.42444148930162	0
310	121	89110	-167001.1413	871597.3170250766	39.26718006659918	-101.389041	293887.01262520935	349147.066227479	3449.926911863566	3304.465102456217	3282.391369935425	3296.571871624583	22.07373252375237	7.9373213972689415	0
311	121	89111	-166341.1413	871597.3170250766	39.26719142770085	-101.386711	294068.064189224	349143.021627338	3447.997365767058	3302.59776750548	3279.62683249993	3295.321171538703	22.74695350656388	9.124247898985432	0
312	121	89112	-165681.1413	871597.3170250766	39.26720276336074	-101.3843809	294298.150100525	349139.167197107	3445.385724949005	3300.587217480406	3278.520456251733	3293.651701058238	22.97180210892193	10.7065243745595	0
313	121	89113	-165021.1413	871597.3170250766	39.26721402956916	-101.3820358	294500.2273389846	349134.33294948	3442.7728140271676	3298.739716	3276.0879836142035	3290.572313955642	23.127346908671	8.165002127648215	0
314	121	89114	-164361.1413	871597.3170250766	39.26722591075325	-101.3797208	294701.298556021	349130.3889	3440.160247180524	3296.8627312426251	3272.9194576391935	3284.807200899877	9.09327800570564	7.83405186454884	0
315	121	89115	-163701.1413	871597.3170250766	39.26723644718451	-101.3773097	294902.3696	349127.7195263472	3438.4789687880135	3271.18416317557	3266.538401414646	3280.571215625781	9.42671715625781	8.3405186454884	0
316	121	89116	-163041.1413	871597.3170250766	39.26724758828673	-101.3750066	295103.4405334683	349122.801452458	3437.832664056882	3292.937564699495	3269.6671685788897	3283.811094076818	23.27408112060526	9.126506622677061	0
317	121	89117	-162381.1413	871597.3170250766	39.26725865431964	-101.372706	295304.501935309	349123.7978992	3436.4070958471675	3290.983828	3267.38726596618	3278.152688700473	23.3014984849817	12.8369583748617	0
318	121	89118	-161721.1413	871597.3170250766	39.267269754270085	-101.370489	295505.581330136	349117.4169478	3435.116535102927	3289.3409171759494	3265.51168012993	3274.83168012993	23.494168012993	13.294230967072053	0
319	121	89119	-161061.1413	871597.3170250766	39.26728074151535	-101.3687004	295706.651494688	349110.67197107	3435.32537	3287.077192918236	3263.415855202723	3272.934451173536	23.66690381051285	14.3313899069999	0
320	121	89120	-160401.1413	871597.3170250766	39.2672917025485	-101.3657403	295907.7214772431	349106.62886876	3425.1217107396313	3285.1071604956	3261.620400905064	3270.275246516187	23.8325514439193	14.82648934427399	0
321	121	89121	-159741.1413	871597.3170250766	39.26730262	-101.3634103	296108.791250328	349102.586	3424.909664557564	3283.127006	3259.51214800201	3267.5945748427601	23.96457896718604	15.354351059139	0
322	121	89122	-159081.1413	871597.3170250766	39.26731348975413	-101.3610802	296309.860827432	349098.53428685	3423.141405993847	3281.1759646786604	3257.1795646786604	3264.9331120082913	23.961841315174297	16.19628395543387	0
323	121	89123	-158421.1413	871597.3170250766	39.26732431580523	-101.3587501	296510.93024587	349094.50180714	3423.857166375822	3279.147611784173	3254.953324054646	3262.2863805659315	24.19428713760464	16.86157262048573	0
324	121	89124	-157761.1413	871597.3170250766	39.2673351	-101.3564201	296711.995810111	349090.48820149	3422.386505562545	3277.1450378574386	3250.4989700627075	3258.495168301815	24.366677947311	18.4698655562347	0
325	121	89125	-157101.1413	871597.3170250766	39.26734623089681	-101.3541301	296912.945819654	349090.48820149	3421.386505562545	3276.1450378574386	3249.162814686801	3250.4989700627075	24.588831934584	19.62674145843486	0
326	121	89126	-156441.1413	871597.3170250766	39.267356523200725	-101.351759	297114.1371311854	349084.35161206	3419.450584452999	3273.10708236601	3247.5257064763988	3245.0044054951946	24.89308114907904	20.9308114907904	0
327	121	89127	-155781.1413	871597.3170250766	39.26736716994487	-101.3494298	297315.2057128828	349078.73262186	3416.97659345177	3271.079663093565	3245.63126396549	3245.072690244075	25.06270433857467	20.1470266880163	0
328	121	89128	-155121.1413	871597.3170250766	3										

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgrg.f	BRElevBothKgr.f	SatHtKgrg.f	SatHtBoth.f
409	121	89209	-101661.1413	871597.3170250766	39.26806986265888	-101.583615	31802.170071431	3438747.559401777	3342.4335699730145	3054.2735945257555	3058.4590167308324	31.5508069046524	27.16546468236263
410	121	89210	-101001.1413	871597.3170250766	39.26805383052285	-101.550314	31043.22260525175	3438743.533337882	3347.203646144311	3052.293123696939	3056.1482520263178	26.99047263233768	
411	121	89211	-100041.1413	871597.3170250766	39.26810765376268	-101.537912	31424.2786426454	3438739.54144483	3346.632454114483	3054.1478765516882	31.83914173813855	26.52585441349715	
412	121	89212	-99681.1413	871597.3170250766	39.26801578725015	-101.513711	314405.32737776643	3438735.482	3344.22237868714593	3045.436349894741	30.43823056916494	32.7875197671835	29.91251990801
413	121	89213	-99022.1413	871597.3170250766	39.26811430643931	-101.49041	314606.3799291877	3438731.45623499	3342.213428152474	3075.7976441321894	30.43436846454966	33.846417943710094	31.43936948692802
414	121	89214	-98361.1413	871597.3170250766	39.26811210439271	-101.467109	314807.4313987535	3438730.4319033441	3040.003925	3073.79785640377	30.38.19345411242	30.39391492738126	33.58404229134926
415	121	89215	-97701.1413	871597.3170250766	39.268127769713566	-101.444307	315008.438773517	3438730.4505747075	3327.9187918523935	3071.0284079147937	30.34.3005451674253	30.35.4250724837804	36.72786274736836
416	121	89216	-97041.1413	871597.3170250766	39.2681344102905	-101.424006	315029.8353145676	3438719.381	328.953801512315	3068.693254331666	30.30.820517005584	30.31.602772093826	37.8727394268169
417	121	89217	-96381.1413	871597.3170250766	39.26814105532624	-101.397295	31514.2786426454	3438715.266633752	3346.396834390356	3056.396834390356	30.28.501864365466	38.14669698567071	37.89497413
418	121	89218	-95717.1413	871597.3170250766	39.26814755627344	-101.373594	315611.633659741	3438711.331474032	3327.03505673058	3054.14281957345114	30.27.447778330967	30.28.192475303392	36.89454534
419	121	89219	-95051.1413	871597.3170250766	39.26814506991344	-101.350602	315821.68937074304	3438707.30781344	3320.562782389989	3061.331389090796	30.27.690818174884	30.27.768717043597	34.162618047198976
420	121	89220	-94401.1413	871597.3170250766	39.26816052119081	-101.327301	316013.7402951028	3438703.28287530	3229.576096765287	3059.75532118362	30.28.91833779333	30.95293113489602	30.83951933
421	121	89221	-93741.1413	871597.3170250766	39.26816693645948	-101.3034	316214.7910392844	3438699.288585907	3057.6176729147923	30.29.29256706194132	30.29.625076194132	28.1637544424098	
422	121	89222	-93081.1413	871597.3170250766	39.26817331	-101.280699	316415.8416034483	3438695.23337043	3322.627764163085	3055.580872460017	30.28.9173570363777	30.28.981902540693	26.795216889624044
423	121	89223	-92421.1413	871597.3170250766	39.26817963197056	-101.257397	316616.8919879083	3438691.21521034	3320.7767852145178	3053.428884814768	30.28.9674094936822	30.27.43739677656045	26.3442739677656045
424	121	89224	-91761.1413	871597.3170250766	39.26818512211296	-101.234096	316817.94219275995	3438687.187917482	3228.054592485495	3051.373131055697	30.24.085228147633	30.24.17139617777	27.28782208063874
425	121	89225	-91101.1413	871597.3170250766	39.268192147446605	-101.212795	317018.99221045658	3438683.164644573	3225.3513897564733	3049.341717664366	30.22.735892386905	30.22.7904549298609	28.16281400667614
426	121	89226	-90441.1413	871597.3170250766	39.2681983767142	-101.187493	317220.4026245074	3438679.142	3224.64820727451	3047.33223003888	30.17.238515473337	30.06.913530545096	30.009363596394
427	121	89227	-89781.1413	871597.3170250766	39.26820442887848	-101.164192	317421.0917319339	3438676.118568543	3222.773108276901	3045.3436982402227	30.13.948625609015	31.43873795526042	31.395073171207514
428	121	89228	-89121.1413	871597.3170250766	39.26821058300674	-101.140891	317622.1412205472	3438671.096	3219.7261034861926	3043.375920520065	30.10.393956520264	30.10.393956520264	32.4696082
429	121	89229	-88461.1413	871597.3170250766	39.268217586329311	-101.117589	317823.19053601446	3438663.074318855	3216.679098701835	3007.9836396866003	30.07.9836396866003	30.07.9836396866003	33.18704238466626
430	121	89230	-87801.1413	871597.3170250766	39.26822264848267	-101.094288	318024.2366233349	3438660.051078865	3213.63202939171956	30.09.495246043398	30.05.733873449516	30.02.65594112486	33.17155295475184
431	121	89231	-87141.1413	871597.3170250766	39.26822981453576	-101.070489	318239.2089534359	3438659.288585907	3210.4659927	30.08.4182238466126	30.03.572744832384	30.03.572744832384	34.281729225443
432	121	89232	-86481.1413	871597.3170250766	39.26823453383529	-101.047485	318426.33739158174	3438655.008955658	3212.53428449473	30.05.81745122801	30.01.178466369446	30.00.1692219289059	34.503372957545914
433	121	89233	-85821.1413	871597.3170250766	39.26824040898828	-101.024384	318627.3889895107	3438650.985178237	3212.8348197249816	30.03.796837135494	29.99.457643415226	30.00.2102619428624	33.391903
434	121	89234	-85161.1413	871597.3170250766	39.26824623915242	-101.001083	318828.434099165	3438646.963844501	3213.1253110052803	30.02.370890601374	29.98.055983818845	29.99.265010748446	32.6820559792816
435	121	89235	-84501.1413	871597.3170250766	39.268252024297645	-100.977781	319029.48265300714	3438642.496217781	3211.8261613620927	30.03.0731715039014	29.97.425067528283	29.98.625071074445	31.44602401645526
436	121	89236	-83841.1413	871597.3170250766	39.26825776443398	-100.954748	319230.5307188817	3438638.920664375	3208.93770798437	30.28.235976150496	29.96.240505295612	29.98.7741817449384	29.96.4570260914602
437	121	89237	-83181.1413	871597.3170250766	39.2682633635766	-100.931917	319431.57869605458	3438634.899922205	3206.46820324048	30.08.4182238466126	29.96.4570260914602	29.98.7741817449384	29.96.4570260914602
438	121	89238	-82521.1413	871597.3170250766	39.26826910677991	-100.907877	319637.900744704	3438630.659704749	3204.615979660366	30.04.615979660366	29.94.615979660366	29.94.615979660366	29.99.60542619448
439	121	89239	-81861.1413	871597.3170250766	39.26827471478949	-100.884576	319833.672586388	3438626.85413249	3198.0587626282507	30.02.83070102055	29.76.516853723203	29.90.218916213616	31.8122863793468
440	121	89240	-81201.1413	871597.3170250766	39.26828027489011	-100.861275	320034.731565126	3438622.8793805	3190.745469	30.02176370739231	29.65.34483455892	29.86.677320464191	31.39930050508371
441	121	89241	-80541.1413	871597.3170250766	39.26828579	-100.837973	320235.7684	3438618.187650244	3183.4251955913895	30.19.37271033854	29.65.938067303254	29.84.074291349758	31.262979837353141
442	121	89242	-79881.1413	871597.3170250766	39.26829126006449	-100.814672	320436.8154056959	3438614.7975844505	3176.1189027246023	29.94.7445813161335	29.80.772553	33.67941152846984	36.84614462820174
443	121	89243	-79221.1413	871597.3170250766	39.26829668515873	-100.791371	320637.8662388675	3438610.77336122	3171.464537626226	30.0152176585372	29.77.4251353880787	29.81052677081007	38.49561261549522
444	121	89244	-78561.1413	871597.3170250766	39.2683026516041	-100.768499	320839.750042949	3438606.750042949	3167.4589927	30.014724575046615	29.84.077118897368	31.763713749012	42.3426320225443
445	121	89245	-77901.1413	871597.3170250766	39.268307400025823	-100.747688	321029.953576316	3438602.778386125	3167.473648639174	30.02.568674419002	29.50.129140907128	29.64.73567378292	42.3426320225443
446	121	89246	-77241.1413	871597.3170250766	39.26831269035407	-100.721467	321241.001682555	3438598.719	3165.870215248948	30.01.970681	29.84.57648	29.84.57648	36.2942005689903
447	121	89247	-76581.1413	871597.3170250766	39.26831795334319	-100.698165	321442.078139244	3438594.699386283	3165.870215248948	30.09.369956751584	29.84.186367	31.879182866484	36.15839926128383
448	121	89248	-75921.1413	871597.3170250766	39.26832314	-100.674864	321643.0937053904	3438590.68085153	3162.150791300747	30.07.7956045416377	29.81.0354420267913	32.4889333269874	96.7016341484637
449	121	89249	-75261.1413	871597.3170250766	39.268328293919565	-100.651562	321844.1395527005	3438586.62059433	3167.3714791278308	30.06.2407345416	29.81.0354420267913	32.4889333269874	124.57013675408042
450	121	89250	-74601.1413	871597.3170250766	39.26833340040218	-100.628621	322045.1851606284	3438582.6434462211	3168.572740429554	30.04.7235699974244	29.82.8077003089494	31.41449573482143	91.2149696236468
451	121	89251	-73941.1413	871597.3170250766	39.26833856463075	-100.605919	322246.258515128	3438578.258515128	3168.572740429554	30.04.7235699974244	29.82.8077003089494	31.41449573482143	91.2149696236468
452	121	89252	-73281.1413	871597.3170250766	39.26834338539625	-100.581658	322447.2759	3438574.746725	3165.870215248948	30.01.7425796789144	29.81.0354420267913	32.4889333269874	87.20720492313481
453	121	89253	-72621.1413	871597.3170250766	39.26834846	-100.558337	322648.3200408884	3438570.58873351	3161.741389042542	30.00.292394382024	29.82.2873187036134	29.82.2873187036134	73.99674741716456
454	121	89254	-71961.1413	871597.3170250766	39.268353390354044	-100.535055	322849.365853989	3438566.70867855	3158.795512942307	29.98.6898705820622	29.84.0623393348312	29.83.86533737843	73.99674741716456
455	121	89255	-71301.1413	871597.3170250766	39.26835828	-100.511574	323050.410937004	3438562.53190386	3157.32143945692	29.97.42734585348	29.82.837279089494	29.83.7886466739864	63.14679037446467
456	121	89256	-70641.1413	871597.3170250766	39.2683631157543	-100.488453	323251.4551605381	3438563.53988341	3157.32143945692	29.96.1029332164367	29.82.771198621038	29.83.73154959	

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElev.f	W.Lt.f
521	ix21	89335	-18501.14133	871597.3170250766	39.26860324240897	-00.8647634	33913.4468959661	4348241.742	3048.915026088522	267.127889840716	2865.9182998833803	2865.927325807926	61.24448095335634
536	ix21	89336	-17481.14133	871597.3170250766	39.26860446161447	-00.8624333	339334.4726855645	4348237.73940484	3046.927451972465	2926.236131086954	2863.905896596604	2864.004426387334	62.32632448891396
537	ix21	89337	-17181.14133	871597.3170250766	39.26860567581039	-00.8601931	339635.50861874827	4348233.73697981	3044.9304253472157	2925.299892032574	2862.9331898844566	2862.7535815100487	62.366792752588
538	ix21	89338	-16521.14133	871597.3170250766	39.26860602496745	-00.8587737	339736.5405957191	4348239.73477157	3042.938134471964	2861.080115073554	2861.076058025237	2861.076058025237	63.28439674083733
539	ix21	89339	-15861.14133	871597.3170250766	39.268607029173506	-00.8554428	339937.5715166828	4348225.73268998	3041.490305894306	2860.04115969475	2859.813905170071	2859.689457679303	63.5872554683888
540	ix21	89340	-15201.14133	871597.3170250766	39.2686089834071	-00.8531126	340138.6022814536	4348201.731	3038.42137144812	2858.62399915981	2858.560506257161	2858.560506257161	63.87742303236272
541	ix21	89341	-14541.14133	871597.3170250766	39.26861000249833	-00.8507825	340339.6328914903	4348172.1394653	3038.823875953143	2857.6480133497785	2857.38994576786	2857.38994576786	64.07539284999166
542	ix21	89342	-13881.14133	871597.3170250766	39.26861071466373	-00.8484523	340540.663345816	4348213.72638449	3038.848244458164	2856.40381511277	2856.217770236886	2856.20562118282	64.26004524758841
543	ix21	89343	-13221.14133	871597.3170250766	39.26861189578484	-00.8465122	340711.63844556646	4348209.726327878	3038.441744179538	2855.9686727706785	2854.9686727706785	2854.9686727706785	64.84891035815816
544	ix21	89344	-12561.14133	871597.3170250766	39.26861277	-00.843752	340942.73785695	4348205.725	3032.54939745087	2853.950107710267	2853.255926848754	2853.255926848754	65.2372467132955
545	ix21	89345	-11901.14133	871597.3170250766	39.2686138003341	-00.8414619	341143.7538777257	4348201.724261617	3028.608133584518	2851.479560340217	2852.3095950216275	2851.880225684362	65.59933375555374
546	ix21	89346	-11241.14133	871597.3170250766	39.26861438143086	-00.8391317	341344.7831327656	4348197.723507897	3024.691105105577	2851.40679695997	2851.2186561696367	2850.40795181173	65.2321047963009
547	ix21	89347	-10581.14133	871597.3170250766	39.26861514224319	-00.8368016	341545.81329594	4348193.723	3020.49904242017	2849.9254915794427	2848.8245653338945	2848.8245653338945	66.02897152421396
548	ix21	89348	-9921.141327	871597.3170250766	39.26861584133369	-00.8344714	341746.8428197876	4348189.722557252	3016.01326349696	2847.348053228496	2846.86713947731	2847.367171045077	66.48091327737307
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550	ix21	89350	-8601.141327	871597.3170250766	39.26861710448594	-00.8298111	342148.9015094023	4348181.722348941	3007.095710092182	2842.184029692095	2846.46329709528	2842.694482722425	67.31763205714026
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555	ix21	89355	-5301.141327	871597.3170250766	39.2686194746985	-00.8181637	343154.0503205267	4348161.725	3011.5350362324214	2836.871813959487	2857.8455542927544	2839.842636978904	85.2641409896265
556	ix21	89356	-4641.141327	871597.3170250766	39.26861973171241	-00.8158301	343355.073602445	4348167.72177322	3005.9251902239574	2835.2650348714	2861.89892428976	2847.617582305193	97.5962005706137
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558	ix21	89358	-3521.141327	871597.3170250766	39.26862035671113	-00.8111698	343757.127490656	4348149.7283763	3008.816443	2902.60242892308	2833.16546211993	2860.25985021607	90.45477742325415
559	ix21	89359	-2961.141327	871597.3170250766	39.26862056060608	-00.8088397	343958.1575891323	4348130.73069083	3001.2088781267466	2835.50465854582	2852.85972017637	2847.704472722542	48.31348181091042
560	ix21	89360	-2401.141327	871597.3170250766	39.268620719671446	-00.8065095	344159.1852025026	4348141.73430995	3008.669438278515	2839.761670416566	2841.547689051243	2841.547689051243	68.302477532266
561	ix21	89361	-1841.141327	871597.3170250766	39.26862083367215	-00.8041794	344360.2128226914	4348137.73449389	3008.7853532628957	2838.2535042156	2831.738717697703	2831.738717697703	66.40150077
562	ix21	89362	-681.1413269	871597.3170250766	39.2686209259336	-00.8018492	344561.2402120325	4348133.73684251	3007.076682979395	2836.790442433794	2825.372657387927	2825.4761272791925	71.417760564977
563	ix21	89363	-61.1413269	871597.3170250766	39.26862096539924	-00.799819	344762.2402592973	4348129.72979	3008.05296883487	2835.2788716893487	2861.7404448903108	2847.617582305193	73.873258145894
564	ix21	89364	-6686730.33514	871597.3170250766	39.2686209692091	-00.7971889	344945.29425654	4348125.716107307	3005.790544747097	2833.707938468645	2819.950847529405	2819.950847529405	74.00477638174807
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566	ix21	89366	1958.858673033514	871597.3170250766	39.26862073220006	-00.7925286	345365.3482055654	4348117.732892675	3001.292504017	2890.6462383516578	2817.88995206712	2817.996657222181	72.6257625984586
567	ix21	89367	2618.858673033514	871597.3170250766	39.26862057223015	-00.7901984	345566.7348964492	4348113.750540365	2999.3485767195654	2889.066877431313	2817.336663234881	2817.336663234881	71.73003453943011
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571	ix21	89371	5258.85867303351	871597.3170250766	39.268619487756814	-00.7808778	346407.47994163784	4348099.73733934	2992.05402472011	2883.307805528193	2813.581802918791	2813.581802918791	68.9891875
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573	ix21	89373	6578.85867303351	871597.3170250766	39.268618690475	-00.7762175	346772.5156790906	4348089.72386515	2987.1048698588325	2880.089561259998	2809.26923023669	2809.26923023669	70.04227383163534
574	ix21	89374	7238.85867303351	871597.3170250766	39.2686182931854	-00.7738873	346973.571576857	4348085.7726316	2986.57875712967	2877.352323054261	2807.118060668833	2807.38930290142	70.23351639
575	ix21	89375	7898.85867303351	871597.3170250766	39.268617701349914	-00.7715572	347174.5825988308	4348081.78235618	2986.448695292163	2875.36530501574	2804.365850269197	2804.365850269197	71.1779425180955
576	ix21	89376	8558.85867303351	871597.3170250766	39.26861714593192	-00.769227	347375.6078915472	4348078.78162015	2978.345020895935	2871.63095118876	2801.63095118876	2801.63095118876	72.5041672327356
577	ix21	89377	9218.85867303351	871597.3170250766	39.26861651193792	-00.7669455	347576.633630414	4348073.79158131	2976.919581151	2870.365181924057	2800.365181924057	2800.365181924057	73.873258145894
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579	ix21	89379	10538.85867303351	871597.3170250766	39.268615188379506	-00.7622365	347978.682881817	4348065.80270585	2975.61545727801	2868.062030883175	2800.365181924057	2800.365181924057	74.1302242114532
580	ix21	89380	11198.85867303351	871597.3170250766	39.26861467162946	-00.7599064	348179.705822327	4348061.80825795	2973.610245319413	2866.10245319413	2800.365181924057	2800.365181924057	75.04363647089
581	ix21	89381	11858.85867303351	871597.3170250766	39.26861366093675	-00.7575762	348380.321358841	4348057.8139911	2971.72522903351	2864.106816	2800.365181924057	2800.365181924057	76.270140187698
582	ix21	89382	12518.85867303351	871597.3170250766	39.26861128	-00.7552461	348581.756624336	4348053.81991631	2969.781148626378	2862.0792804957	2800.36		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIEVELogKg.r	BRIEVEBothKg.r	SAthBothKg.r	SurfBothKg.r		
661	121	89461	64658.8586730335	871597.3170250766	39.26840493205608	-00.5711641	364462.2371785588	447737.827605098	2809.537105100814	2722.92025308429	2666.0202794822817	2666.4132449690757	56.89979360614734	56.50700890923532
662	121	89462	65131.8586730335	871597.3170250766	39.2684050006574	-00.5688339	364683.2504726846	447734.398	2805.8209	2721.40071213703	2667.861129141117	2667.3667849849834	53.539572072590545	53.03286422912268
663	121	89463	65638.8586730335	871597.3170250766	39.2683960239065	-00.5669398	364864.263632009	447739.914265917	2801.676892869528	2719.8407329848622	2669.4132449690757	2669.4132449690757	48.7158631233011945	48.23333333333333
664	121	89464	66318.8586730335	871597.3170250766	39.2683915	-00.5641737	364655.276693122	44777.08647611799	2797.08647611799	2718.363309171034	2672.7770406258473	2673.518481592962	45.58626751186666	44.8442680540024
665	121	89465	67298.8586730335	871597.3170250766	39.268396934039754	-00.5618435	365266.2896222219	447772.9566843828	2792.497167156963	2716.849921200353	2667.9507663254826	2668.136693291045	48.9891548748024	48.7132279
666	121	89466	67958.8586730335	871597.3170250766	39.26832232012755	-00.5595134	365467.3023413583	447781.703102731	2797.70766657181	2715.3385205328113	2663.849786511834	2663.849786511834	51.64818712668129	51.64818712668129
667	121	89467	68618.8586730335	871597.3170250766	39.26837766497664	-00.5571832	365668.3148882585	447774.9986844	2784.332545	2716.899182142138	2661.891961821438	2661.891961821438	51.936807782136	52.132936807782136
668	121	89468	69278.8586730335	871597.3170250766	39.2683729263133	-00.5548351	365889.32750179444	447711.021510425	2781.3215987062	2712.3214203117036	2664.724861848723	2665.0923853776934	47.2293043400431	47.2293043400431
669	121	89469	69938.8586730335	871597.3170250766	39.2683661159176	-00.552623	366070.3388959453	447707.432582845	2781.210897289953	2710.816689895928	2667.1551073911475	2667.9329073697584	39.26552595748849	37.82598196234469
670	121	89470	70598.8586730335	871597.3170250766	39.2683423813492	-00.5501528	366271.3521402626	447703.05717595	2779.815342273026	2668.058284032067	2669.68452241527	2669.68452241527	40.63079138577996	40.63079138577996
671	121	89471	71258.8586730335	871597.3170250766	39.26835856740774	-00.5478627	366479.34266963085	447769.08095268	2773.6916593831	2707.817654	2665.986749414609	2665.986749414609	41.8033586262333	41.8033586262333
672	121	89472	71918.8586730335	871597.3170250766	39.2683537465904	-00.5455325	366673.3763	447695.110359257	2776.35795691366	2706.323574	2665.450254010014	2665.450254010014	40.8685409795844	41.1353662979241
673	121	89473	72578.8586730335	871597.3170250766	39.2683477565734	-00.5432024	366874.3882327657	447681.33047769	2766.975989943897	2704.83299869376	2666.2714134084313	2665.73359674155	39.09937195231026	39.09937195231026
674	121	89474	73238.8586730335	871597.3170250766	39.26834380546581	-00.5408723	367075.3997308294	447678.15638758	2763.362907629179	2703.345737095894	2668.2781733005198	2667.67651122931	35.6692540936963	35.6692540936963
675	121	89475	73898.8586730335	871597.3170250766	39.26833878635677	-00.5389421	367276.4115852634	447683.17946227	2761.7519175169896	2701.86027268024	2671.091968977723	2670.2028230401196	30.74682084720136	30.74682084720136
676	121	89476	74558.8586730335	871597.3170250766	39.268337262389	-00.536212	367477.423094608	447679.20271168	2761.3781456522013	2700.376042	2670.268561315226	2670.268561315226	24.08947882117577	24.08947882117577
677	121	89477	75218.8586730335	871597.3170250766	39.268326911158	-00.5338818	367678.434253913	447675.26	2761.0017957771228	2698.8927122345804	2683.070905804817	2683.070905804817	15.3544791743512	15.3544791743512
678	121	89478	75878.8586730335	871597.3170250766	39.26832346697538	-00.5315517	367879.456446413	447671.24915476	2760.40984165716	2697.07558142381	2693.240461763459	2693.240461763459	5.0233602333374	4.16922250224077
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682	121	89482	78518.8586730335	871597.3170250766	39.26830240343096	-00.5222311	368689.509259716	447655.34644308	2770.34166585593	2691.484619779605	2698.20971005027	2698.20971005027	32.3030287414378	32.3030287414378
683	121	89483	79178.8586730335	871597.3170250766	39.2682962883185	-00.5198922	368900.568110014	447649.318469734	2774.831165892274	2691.2086259890724	2691.684842768438	2691.684842768438	49.05998163742515	49.05998163742515
684	121	89484	79838.8586730335	871597.3170250766	39.2682910589863	-00.5175709	369055.10361031	447647.3951389	2771.500238640051	2688.538271684376	2640.493276954426	2640.2004977378274	48.04233448989495	48.3381473401025
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686	121	89486	81158.8586730335	871597.3170250766	39.26828029561445	-00.5129106	369487.5309194856	447639.45921975	2771.178303640363	2685.599646379521	2626.79953296127	2628.315748678871	50.8801080843974	50.7283970604996
687	121	89487	81818.8586730335	871597.3170250766	39.26827507234431	-00.5105805	369688.5410097806	447635.417255895	2764.133485	2684.133485	2628.179011036285	2628.179011036285	69.9540478381525	69.9540478381525
688	121	89488	82478.8586730335	871597.3170250766	39.26826947011822	-00.5082053	369889.5509745631	447631.49676752	2785.341455671635	2682.670511453687	2621.921498646084	2621.921498646084	74.8555200274855	74.8555200274855
689	121	89489	83138.8586730335	871597.3170250766	39.268262883185	-00.5059292	370090.568110014	447627.34669515	2784.831165892274	2691.2086259890724	2691.684842768438	2691.684842768438	89.04598163742515	89.04598163742515
690	121	89490	83798.8586730335	871597.3170250766	39.2682581304357	-00.5035913	370291.581304357	447623.5509113	2783.7525910563	2692.31139	2683.208579110257	2683.208579110257	94.1716007458013	94.1716007458013
691	121	89491	84458.8586730335	871597.3170250766	39.268253333637	-00.5012599	370492.5801180905	447619.51481849	2800.1841211642	2678.302734687365	2621.960613145222	2621.960613145222	105.4634235214312	105.4634235214312
692	121	89492	85118.8586730335	871597.3170250766	39.26824661124624	-00.4989298	370693.5896257959	447615.600671023	2808.323734	2676.859444223494	2621.59062228973	2629.122216246696	55.2908319325109	55.2908319325109
693	121	89493	85778.8586730335	871597.3170250766	39.26824073853976	-00.4965997	370894.5982339143	447611.62710723	2809.48315664077	2675.42791003228	2620.11015801935	2623.90294962099	55.146328387234	55.146328387234
694	121	89494	86438.8586730335	871597.3170250766	39.2682391154424	-00.4942965	371095.681395454	447607.6257387236	2808.642579363294	2673.9986715246664	2618.099933038597	2620.43526819079	53.65340314961293	53.65340314961293
695	121	89495	87098.8586730335	871597.3170250766	39.26822894226034	-00.4919394	371296.6172314027	447603.588354087	2811.1419157103437	2672.781251598868	2615.546133440706	2616.994773804328	56.4986423629649	56.4986423629649
696	121	89496	87758.8586730335	871597.3170250766	39.2682192198078	-00.4896903	371497.62319818	447599.701618	2814.73172462518	2671.12211404381	2611.947828217383	2611.947828217383	69.9540478381525	69.9540478381525
697	121	89497	88418.8586730335	871597.3170250766	39.2682170246827	-00.4872791	371698.63504447697	447596.734695758	2818.170579102494	2669.777192301494	2668.1785011872016	2668.1785011872016	82.02872038783199	82.02872038783199
698	121	89498	89078.8586730335	871597.3170250766	39.2682109723677	-00.484949	371899.6437652287	447591.76205581	2821.549655490293	2668.308157333765	2604.828524363431	2604.828524363431	95.051676994763	95.051676994763
699	121	89499	89738.8586730335	871597.3170250766	39.26820487504397	-00.4826189	372100.65236319	447587.79953729	2823.437157246816	2666.96809194241	2602.072804227375	2601.425568428368	64.9240053150354	64.9240053150354
700	121	89500	90398.8586730335	871597.3170250766	39.26819873	-00.4802887	372301.6608384065	447583.817324062	2823.833971015177	2665.6217111988294	2600.1647712033037	2600.1647712033037	65.450938296898	65.450938296898
701	121	89501	91058.8586730335	871597.3170250766	39.26819254537003	-00.4779586	372502.691904506	447579.8345235939	2824.230424605939	2664.254660356427	2600.372201	2599.75096968317	63.846004477779	64.5039912717714
702	121	89502	91718.8586730335	871597.3170250766	39.2681963130199	-00.4756285	372703.677418704	447575.8733161	2826.895397140465	2660.5289530740465	2600.1006696702	2600.1006696702	62.749284439373	62.749284439373
703	121	89503	92378.8586730335	871597.3170250766	39.26819416233716	-00.4733984	372904.63296866	447571.737462586	2828.737462586	2660.12211404381	2601.947828217383	2601.947828217383	74.8555200274855	74.8555200274855
704	121	89504	93038.8586730335	871597.3170250766	39.2681731138224	-00.4709623	373105.6931156254	447569.330704297	2818.05798210635	2660.13910914175	2601.269236312105	2601.269236312105	88.929435423793	88.929435423793

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.t	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
47	122	89587	-340581.1413	872527.3170250766	39.26444096344685	-102.0018442	10101.57118376291	4350418.619920186	3922.069283733817	372.47119031683508	3642.383990969491	3645.134901397193	82.08821247	79.37371303055775
48	122	89598	-339921.1413	872527.3170250766	39.2644417	-101.9995143	24112.7013780215	4350414.525503035	3918.9186974843387	3722.1566807474999	3641.0714586744913	3643.96945526288	81.1392235004062	78.169173694871103
49	122	89609	-339061.1413	872527.3170250766	39.264478313614	-101.9871485	24114.83354398314	4350410.431729013	3915.7881369592561	3719.8440403865616	3638.283225168815	3642.738995870949	80.45081521871008	77.06414458961256
50	122	89609	-339601.1413	872527.3170250766	39.26451043064704	-101.9948547	24114.967017051405	4350406.337238305	3917.17575706252	3717.35676782857	3637.1344595021027	3641.136141973822	79.82272713418297	76.93025625900345
51	122	89691	-337941.1413	872527.3170250766	39.2645330538226	-101.9952548	24118.09623044087	4350402.243	3910.783594472664	3712.354055487176	3636.228537184492	3640.645545819292	79.00686836252573	74.58895973042536
52	122	89692	-337281.1413	872527.3170250766	39.264556526117325	-101.990195	24201.72291941458	4350391.497813627	3910.26161920339	3712.94160640607	3635.465753	3643.752443544188	77.4780775861887	69.19174705845843
53	122	89693	-336621.1413	872527.3170250766	39.2645709365276	-101.9878562	24218.3598985786	4350394.052626336	3909.7487913394125	3710.66500585196	3635.125148713546	3638.8260475091292	75.90688721206124	74.58895973042536
54	122	89694	-335961.1413	872527.3170250766	39.26459436188596	-101.985533	24224.819643753916	4350392.962839209	3909.231389774008	3708.40051965364	3634.291562808767	3636.4543499414174	74.10899916	71.945176971229139
55	122	89695	-335301.1413	872527.3170250766	39.26462532372469	-101.9830255	24260.52265123622	4350385.869893834	3907.71235059498	3706.1539780066773	3632.9389969814853	3635.481616069897	73.21448802	70.46581633077022
56	122	89696	-334641.1413	872527.3170250766	39.26464816525104	-101.9809756	24321.7504787438	4350371.77692993	3905.19167542391	3703.72925464954	3631.262691	3633.084712365400	72.66539541051361	68.03734413102483
57	122	89697	-333811.1413	872527.3170250766	39.2646706379764	-101.9789458	24302.88016365955	4350377.862481928	3906.01697	3701.7261416518704	3629.1475106783003	3635.084701484545	72.66539541051361	66.6414016325555
58	122	89698	-333321.1413	872527.3170250766	39.26469371633442	-101.9762159	24322.04099279682	4350371.99769093	3900.1503196175504	3695.0516558730102	3626.87483238057	3633.8017930168176	72.65471254324032	65.74986258448267
59	122	89699	-332661.1413	872527.3170250766	39.26471642387132	-101.9738861	24325.1387674921	4350369.499429193	3897.55746779777	3697.4082623814026	3624.5257937830165	3630.3462484438607	72.66539541051361	66.64204150910999
60	122	89700	-332001.1413	872527.3170250766	39.26473906400831	-101.9715562	24326.26767794926	4350365.407	3894.893334	3695.298794708895	3622.3082938913356	3627.3082938913356	72.9904957795534	67.99290124
61	122	89601	-331341.1413	872527.3170250766	39.264761703945354	-101.9692264	24387.396534733	4350361.315342359	3892.22488079486	3619.8958443195088	3623.99119045482	3623.99119045482	69.2312966246282	68.2312966246282
62	122	89602	-330681.1413	872527.3170250766	39.26478427648242	-101.966895	24402.8124760714	4350357.223871054	3889.56447126037	3691.17702282785	3617.53674907955	3620.197837014844	73.64027316482996	70.97913026130104
63	122	89603	-330021.1413	872527.3170250766	39.26480260401942	-101.9645667	24422.8592594832	4350353.13197343	3887.29677270869	3689.1617676105	3614.981420497507	3613.714184551735	73.719256354797	74.58895973042536
64	122	89604	-329361.1413	872527.3170250766	39.2648299655635	-101.9622368	24430.78083150912	4350345.02681122	3885.425805649385	3687.171827984121	3612.3692329444003	3613.796857644841	74.80260403972079	73.44496113195785
65	122	89605	-328701.1413	872527.3170250766	39.26485172409315	-101.959907	24463.19084838585	4350344.948138585	3883.554833909009	3685.20397330361	3610.453446628468	3617.49231131145906	74.74862660471406	67.71506018897025
66	122	89606	-328041.1413	872527.3170250766	39.26487164287132	-101.9575771	24483.0358320452	4350340.858413128	3881.683752130788	3683.256915465346	3607.361491682627	3620.4811339059274	73.891199638176	63.07155460407246
67	122	89607	-327381.1413	872527.3170250766	39.2648964616222	-101.9552472	24503.16032974775	4350336.76797337	3878.140761050379	3681.32120891053	3604.021053551145	3622.054826316016	72.9904957795534	59.25738519496343
68	122	89608	-326721.1413	872527.3170250766	39.2649187667024	-101.9529174	24525.28992369710	4350328.678971013	3872.925507793157	3679.3762353025002	3604.047543375233	3614.754364	78.2299624796966	64.61218653320209
69	122	89609	-326061.1413	872527.3170250766	39.2649410625916	-101.950628	24546.41686525916	4350324.5841428	3870.448701428985	3675.438071927315	3603.04817927315	3613.448701428985	78.2299624796966	61.85472172340205
70	122	89610	-325401.1413	872527.3170250766	39.2649632673778	-101.9482576	24563.542545439	4350324.4962783	3862.494494516906	3675.495271027357	3594.298302151127	3594.584101488346	81.19636905329676	80.91116972
71	122	89611	-324741.1413	872527.3170250766	39.2649854033006	-101.9459278	24583.66909203248	4350327.4682785	3847.41439395128	3673.5416983903234	3592.278164775386	3594.3074119260507	72.66539541051361	79.23445026422771
72	122	89612	-324081.1413	872527.3170250766	39.2650072684383	-101.9435979	24603.9749777953	4350316.31626045	3852.54509597281	3671.5746025147464	3591.53740723811	3594.856485259043	80.037951866347	76.71812399165206
73	122	89613	-323421.1413	872527.3170250766	39.26502960478135	-101.94128	24620.92061171395	4350312.22689102	3847.6728968037	3669.980814478887	3590.901478724802	3596.92173803772	72.66539541051361	73.3742141
74	122	89614	-322761.1413	872527.3170250766	39.26505163692285	-101.9389382	24644.0469438	4350308.37189396	3842.765231123993	3667.588356967654	3590.20485026517	3597.080935848413	72.9904957795534	70.500262949417
75	122	89615	-322101.1413	872527.3170250766	39.26507362	-101.9366972	24664.3171229821	4350304.4798993	3840.466414699255	3665.785411291161	3589.3476784976	3596.682727517453	78.2299624796966	69.8727172340205
76	122	89616	-321441.1413	872527.3170250766	39.265095976875	-101.9342784	24684.221055039	4350298.50718226	3840.743402559813	3663.48402191915	3588.277271983398	3594.277271983398	78.2299624796966	69.2435041152527
77	122	89617	-320781.1413	872527.3170250766	39.26511746452076	-101.9319485	24705.4027363404	4350295.87	3841.0262264733415	3663.443093139444	3586.33416699139	3589.29988361429	74.84167653030495	72.1540047327991
78	122	89618	-320121.1413	872527.3170250766	39.26513931705211	-101.9296187	24726.5451156367	4350291.78124689	3839.23060329049	3659.3615829760556	3583.816848661504	3589.5600737086203	75.54473472990524	69.80145526743356
79	122	89619	-319461.1413	872527.3170250766	39.26516112458277	-101.927288	24747.669244583	4350287.692820703	3839.943720992525	3657.24563487939	3580.52881259077	3592.3215431917656	76.7197358	64.92409165103345
80	122	89620	-318801.1413	872527.3170250766	39.26518287811264	-101.9249589	24768.7931232237	4350283.902428703	3838.930292377787	3655.104572362649	3577.131638911236	3593.42271278963	77.97273345	61.682513436898
81	122	89621	-318141.1413	872527.3170250766	39.26520405447474	-101.922628	24789.9187552275	4350279.51606475	3833.91686376949	3652.387635939749	3573.67135204959	3593.150168615226	78.2299624796966	59.766978495054
82	122	89622	-317481.1413	872527.3170250766	39.2652262717698	-101.920292	24815.041151597	4350275.42890213	3830.90345514212	3650.90435142912	3569.387272517453	3593.150168615226	78.2299624796966	59.766978495054
83	122	89623	-316821.1413	872527.3170250766	39.2652479049737	-101.9179693	24832.163261175	4350271.30409512	3826.567637698646	3648.099612414832	3568.099612414832	3593.150168615226	78.2299624796966	59.766978495054
84	122	89624	-316161.1413	872527.3170250766	39.2652694722385	-101.9156394	24853.28614153588	4350267.25270916	3824.71565542400	3646.281244391664	3562.53524006973	3576.4054780371734	74.7270338479134	70.23446011240065
85	122	89625	-315501.1413	872527.3170250766	39.26529102407497	-101.9133095	24875.404777885	4350263.16530266	3821.584954348703	3644.0100752142935	3559.6611751845003	3567.8579030778823	74.84167653030495	71.521051929949
86	122	89626	-314841.1413	872527.3170250766	39.26531251727389	-101.9109796	24895.53115514485	4350259.07805506	3818.47425153529	3641.716222038439	3558.28262573855	3562.427561429608	74.84167653030495	71.521051929949
87	122	89627	-314181.1413	872527.3170250766	39.2653336479735	-101.9086497	24906.65328880536	4350254.05910576	3815.313184520170	3639.388812940497	3556.8262448420637	3560.524634580335	80.2663895912084	78.864811980317
88	122	89628	-313521.1413	872527.3170250766	39.26535536731976	-101.9063198	24925.7711798763	4350250.3042311715	3815.117934475928	3637.038618783426	3560.770739927055	3567.8579030778823	74.84167653030495	71.521051929949
89	122	89629	-312861.1413	872527.3170250766	39.265377198936	-101.904049	24946.8910969035	4350246.2278161	3812.90427236051	3635.14872768193	3558.430509746579	3561.681198943042	74.84167653030495	71.521051929949
90	122	89630	-312201.1413	872527.3170250766	39.2653983761196	-101.90166	24960.0181996302	4350242.73111019	3810.70110313443	3632.26069374667	3561.28073595272	3568.508236821598	75.90688721206124	73.75799605492934
91	122	89631	-311541.1413	872527.3170250766	39.2654190488007	-101.8993302	24981.13934026017	43502						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SatThLoKgr.ft	SatThBoth.ft
173	172	89713	-254721.1413	872527.3170250766	39.2670101	-101.7082745	266632.2491475956	4349904.214188905	3692.236613656404	3508.998766045078	3462.158411963766	3459.869075671873	48.48034854094216	49.12975234283524
174	172	89714	-256741.1413	872527.3170250766	39.2670276305974134	-101.7094845	266653.3504307019	4349900.1430062325	3687.72284338112	3507.793134804080	3460.480846345926	3459.227107477713	47.3128648795959	48.56602732633739
175	172	89715	-256191.1413	872527.3170250766	39.2670451162569096	-101.7086145	266754.4514837182	4349896.2122672944	3685.422838931	3506.460915692629	3458.26765846158195	3457.658946158195	48.93323643490578	49.12975234283524
176	172	89716	-255641.1413	872527.3170250766	39.26706295053494	-101.7075845	266765.55203522924	4349900.1430062325	3681.344010256342	3505.394705405094	3456.1149002585194	3455.524301	49.28007193284756	49.07609682164134
177	172	89717	-254781.1413	872527.3170250766	39.2670796780881	-101.6898645	267156.6529	4349887.9329096423	3678.598021923546	3504.2010951902103	3453.758727008945	3452.661218033015	50.995482386897964	50.995482386897964
178	172	89718	-254121.1413	872527.3170250766	39.26709317007306	-101.6966245	267357.753258735	4349853.6612599	3675.851182821257	3503.096997788858	3451.207314	3450.632519250909	51.04226812398762	52.34617026849754
179	172	89719	-253461.1413	872527.3170250766	39.26711461734336	-101.6894295	267558.8519633968	4349879.793523413	3673.407386773502	3501.820620553556	3448.40459733373257	3445.016803680214	53.1569171802985	53.8962738
180	172	89720	-252801.1413	872527.3170250766	39.26713187963966	-101.6819545	267759.9539327916	4349876.724072907	3671.360378780267	3500.634947117087	3443.215653389227	3445.02166253077	55.41929717816238	55.6132486401634
181	172	89721	-252141.1413	872527.3170250766	39.26714936999088	-101.6898635	267981.0596627944	4349874.354811075	3669.1258807870818	3498.4020411624217	3441.993313107976	3441.9071721518972	57.45682895	57.54368640446835
182	172	89722	-251481.1413	872527.3170250766	39.26716628911173	-101.6873405	268162.1524	4349867.585773899	3665.961277733887	3498.263582453417	3438.4840102773276	3438.425670101307	59.81091562231976	59.81091562231976
183	172	89723	-250821.1413	872527.3170250766	39.2671839635879	-101.6849745	268363.2516249036	4349863.61863378	3664.411950973382	3497.071496736335	3434.7546414865474	3434.59488	61.358523767767	62.4761639504531
184	172	89724	-250161.1413	872527.3170250766	39.2672047860126	-101.6824444	268564.3506109347	4349859.448157505	3661.406335	3495.8703137006205	3430.495763150865	3430.32660781305	63.4727338553404	63.574057291931849
185	172	89725	-249501.1413	872527.3170250766	39.26721751583913	-101.6803144	268765.4494	4349855.37965024	3658.400496777005	3494.655894141285	3426.1687511302753	3425.927567138573	65.6824311009272	68.6833268221976
186	172	89726	-248841.1413	872527.3170250766	39.2672345074685	-101.6779844	268966.5478974709	4349851.23131673	3655.395149028787	3493.422097468105	3421.750011853787	3421.5521496807105	67.822878930619	71.8698028397435
187	172	89727	-248181.1413	872527.3170250766	39.26725145530085	-101.6756544	269167.6461983834	4349847.243201699	3648.556627529292	3492.162220776445	3417.4587648853515	3417.004121425999	74.081372452999	74.88139638760973
188	172	89728	-247521.1413	872527.3170250766	39.2672683572467	-101.6733244	269368.7443	4349843.175263404	3652.081014568131	3490.873462282424	3413.10242900517	3413.1879121438603	77.563219622835	77.6855043388517
189	172	89729	-246861.1413	872527.3170250766	39.26728521473744	-101.6709844	269569.84211652516	4349839.108	3650.87618007405	3489.50175402876	3408.935411256803	3408.807518550992	80.4617347107169	80.7426585187675
190	172	89730	-246201.1413	872527.3170250766	39.26730230695802	-101.6686644	269770.939741341	4349835.039434585	3649.677070455957	3488.19208531193	3403.82554969027	3403.474012934871	84.3665338	84.7190520732187
191	172	89731	-245541.1413	872527.3170250766	39.267318794167515	-101.6663344	269972.0371244552	4349830.972576716	3648.49548639627	3486.801201774904	3398.68795984169	3398.0913628511576	87.123142719037	88.70983892
192	172	89732	-244881.1413	872527.3170250766	39.26733195178391	-101.6640043	270173.13428760297	4349826.305380615	3645.3510097778	3485.38240359171	3400.089463	3400.089463	89.2924074030167	89.16618578237
193	172	89733	-244221.1413	872527.3170250766	39.26735219357193	-101.6616743	270374.23122381454	4349822.8382991	3651.2065511859682	3482.942754562373	3402.038353509429	3402.038353509429	91.8039280573843	91.8039280573843
194	172	89734	-243561.1413	872527.3170250766	39.26736825776677	-101.6593443	270575.327332948	4349818.71572792	3652.052093	3482.49053722651	3403.33144835287	3403.33144835287	93.761358583	93.761358583
195	172	89735	-242901.1413	872527.3170250766	39.26738431256706	-101.6570147	270776.4241652487	4349814.308183701	3648.556627529292	3481.014862552006	3401.91865730827	3401.91865730827	95.684268100235	95.684268100235
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197	172	89737	-241581.1413	872527.3170250766	39.26741845322165	-101.6523542	271178.61703334	4349806.572	3651.093871771457	3478.1345031770614	3405.7629175564252	3405.7629175564252	99.7806542911945	99.7806542911945
198	172	89738	-240921.1413	872527.3170250766	39.26743490449568	-101.6500242	271379.7125079964	4349802.506	3650.556357513549	3476.71256867369	3406.93530452387	3406.93530452387	101.9677263179817	101.9677263179817
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200	172	89740	-239601.1413	872527.3170250766	39.26746767383123	-101.6453642	271781.9034029083	4349794.347867378	3648.2365615877425	3474.031082002053	3410.544712237145	3410.544712237145	105.6373959653862	105.6373959653862
201	172	89741	-238941.1413	872527.3170250766	39.26748219070841	-101.6430344	271989.968963923	4349790.388918701	3648.556627529292	3473.096997788858	3412.20976092876	3412.20976092876	107.8419807380159	107.8419807380159
202	172	89742	-238281.1413	872527.3170250766	39.26750020315347	-101.6407401	272184.0935713671	4349796.23486219	3647.752746878546	3471.235746878546	3411.6051674454194	3411.6051674454194	109.684268100235	109.684268100235
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204	172	89744	-236961.1413	872527.3170250766	39.26753267244855	-101.6360441	272586.2827033836	4349798.11386274	3644.095483198269	3468.653366785653	3415.3097678931	3415.3097678931	113.9493470859214	113.9493470859214
205	172	89745	-236301.1413	872527.3170250766	39.26754909858676	-101.633714	272787.376831907	4349794.049	3641.801320716303	3467.401526032795	3415.8292289649376	3415.8292289649376	115.722566029304	115.722566029304
206	172	89746	-235641.1413	872527.3170250766	39.267564891719226	-101.631384	272988.4703606027	4349799.94589193	3639.5071582649917	3466.174571	3416.496881451526	3416.496881451526	117.8427464691722	117.8427464691722
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210	172	89750	-233001.1413	872527.3170250766	39.26762880200095	-101.6220638	273792.8471681796	4349793.72645471	3622.148579529262	3461.465510692074	3417.429251186123	3417.429251186123	125.8417636259314	125.8417636259314
211	172	89751	-232341.1413	872527.3170250766	39.26764648730682	-101.6197338	273993.937602457	4349798.62562134	3619.569257309456	3460.326492431555	3417.437932015096	3417.437932015096	127.8417636259314	127.8417636259314
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213	172	89753	-231021.1413	872527.3170250766	39.26768265034	-101.6150738	274396.127	4349791.330401795	3613.943268291618	3458.08453	3417.236197897477	3417.236197897477	131.8417636259314	131.8417636259314
214	172	89754	-230361.1413	872527.3170250766	39.2676980185408	-101.6127437	274597.21482512303	4349797.474864345	3611.130261982697	3456.96146526292	3417.19308260067	3417.19308260067	133.8417636259314	133.8417636259314
215	172	89755	-229701.1413	872527.3170250766	39.26771436989885	-101.6104325	274798.308262946	4349793.688398394	3609.21486918942	3454.96897967827	3417.236197897477	3417.236197897477	135.8417636259314	135.8417636259314
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217	172	89757	-228381.1413	872527.3170250766	39.26773894843145</									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurfSktBoth.ft	SurfThkBoth.ft
299	122	98839	-174261.1413	872527.3170250766	39.26886474813641	-101.414687	219689.2616877299	4349392.804497206	3488.0667815513634	3326.3204606365756	3306.9551451305024	3328.199861086311	19.363515232525638	0
300	122	98840	-173601.1413	872527.3170250766	39.26887661	-101.423669	21980.3526526098	4349398.757634451	3467.0651473470332	3324.384673883837	3304.3534179301946	3325.925003121317	20.03125590846238	0
301	122	98841	-172941.1413	872527.3170250766	39.2688845615484	-101.420068	22091.4091611567	4349394.83485254	3463.061448950277	3322.46148950277	3302.3548403984336	3326.3204606365756	20.02742412	21.353619197776576
302	122	98842	-172281.1413	872527.3170250766	39.2688901765231	-101.4176966	22022.48259112796	4349390.64	3465.0658773082705	3320.50069912445	3309.9624553362425	3319.6751143174	20.587136102634	0.8863125001134008
303	122	98843	-171621.1413	872527.3170250766	39.26891192041498	-101.4053665	22493.55881672466	4349376.61817228	3463.1008200620027	3318.6488317180156	3307.211232255936	3317.158211221694	21.42759946027968	0
304	122	98844	-170961.1413	872527.3170250766	39.268923605623755	-101.4033064	22694.62683815414	4349372.57201318	3460.188473669098	3316.7555670343073	3305.6715698135376	3317.1100417458124	21.08399813026008	0
305	122	98845	-170301.1413	872527.3170250766	39.2689354209766	-101.4007063	22985.70165562455	4349368.5261935	3457.276127689927	3314.867458938837	3303.3854857903083	3317.09027307167	21.47109710084823	0.8681281921167283
306	122	98846	-169641.1413	872527.3170250766	39.26894683356368	-101.3983762	230396.7742693373	4349364.40040995	3454.363708769922	3312.983415653148	3301.4034904607865	3313.393527	21.579025192361314	2.95088486197855
307	122	98847	-168981.1413	872527.3170250766	39.26895838002175	-101.396046	232897.846749474	4349360.3485254	3453.041794	3311.100729513751	3300.354816272016	3307.632222222222	21.74591304632615	2.43765327238661
308	122	98848	-168321.1413	872527.3170250766	39.2689698174189	-101.3937159	233498.91898631135	4349356.38491778	3452.701675093493	3309.215678382085	3307.6902615257113	3303.975257023235	21.52641513497182	2.51409606973479
309	122	98849	-167661.1413	872527.3170250766	39.26898133914035	-101.3913858	233969.980989842	4349352.34317475	3452.578541203392	3307.325655009295	3305.617586560255	3300.78641558735	21.71799424652385	6.543154460276509
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313	122	98853	-165021.1413	872527.3170250766	39.26902671962524	-101.3820263	234504.2768773587	4349336.165503623	3444.611091899303	3301.716231117	3301.6717384808398	3292.0396147047088	22.789139442713857	7.881359526402957
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316	122	98856	-163041.1413	872527.3170250766	39.26906027278416	-101.3750749	235107.48924405146	4349324.03326262	3433.859051544017	3302.927449478249	3302.7496991378774	3282.39250775752	24.4748034037184	11.5340490700676998
317	122	98857	-162381.1413	872527.3170250766	39.26907136916718	-101.3727448	235308.55963807437	4349319.989691389	3429.8070773696063	3301.977714596783	3308.182172035144	3280.27010802013	23.79552456163874	11.707703794772442
318	122	98858	-161721.1413	872527.3170250766	39.26908240523125	-101.3704147	235509.6208154991	4349315.46270244	3425.724094595183	3300.9192064205323	3306.3117064100756	3277.6061453887765	24.07807061157414	12.16410351456722
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322	122	98862	-159081.1413	872527.3170250766	39.26912617592702	-101.3610041	236313.9085451459	4349299.74148005	3422.862919785343	3302.091703756855	3305.285846487827	3305.612035595472	23.45184909205726	16.2820616137825
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324	122	98864	-157761.1413	872527.3170250766	39.26914778357538	-101.3564339	236716.046705249	4349291.68924073	3421.11266358124	3302.78705719	3301.532296315406	3261.95259592991	26.5434213409274	17.1597651665867
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326	122	98866	-156441.1413	872527.3170250766	39.26916921119052	-101.3517376	237118.1840706158	4349283.050009442	3418.7317593445503	3302.47175524073	3302.485949549555	3256.141598048121	26.59300290022528	17.87115715655864
327	122	98867	-155781.1413	872527.3170250766	39.2691798574859	-101.3494483	237319.252455253	4349279.316881494	3416.95963294987	3301.72804180377	3302.0396147047088	3253.59115897577	25.797841055336	18.37507517408065
328	122	98868	-155121.1413	872527.3170250766	39.26919045677227	-101.3471133	237520.320	4349275.61087122	3413.001414777973	3300.978195816346	3301.534912147472	3251.477448936521	25.797841055336	18.37507517408065
329	122	98869	-154461.1413	872527.3170250766	39.26920101505057	-101.3447832	237721.3868195021	4349270.48026689	3412.0646240840477	3307.367116277134	3302.458496030614	3248.5578770001	25.78820246513947	19.2921850173028
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331	122	98871	-153141.1413	872527.3170250766	39.2692219825711	-101.3401229	238123.5240900616	4349263.39786683	3401.828905905918	3303.63395573222	3303.7452120944495	3302.899631789736	24.918183478772335	19.76376373448212
332	122	98872	-152481.1413	872527.3170250766	39.26923241384012	-101.3377928	238324.5914789745	4349259.357129165	3400.45976791816	3302.559354396344	3302.559354396344	3241.238110517547	24.6500114533575	20.123248207399
333	122	98873	-151821.1413	872527.3170250766	39.26924270006484	-101.3354627	238525.658686778	4349256.31649025	3400.45976791816	3302.559354396344	3302.559354396344	3241.238110517547	24.6500114533575	20.123248207399
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336	122	98876	-149841.1413	872527.3170250766	39.26927364876721	-101.3284722	239128.8590508356	4349243.195573721	3391.167930302121	3303.041012502334	3302.923862718063	3302.698496734576	24.12136352170428	20.31604576715808
337	122	98877	-149181.1413	872527.3170250766	39.26928344877664	-101.3261421	239329.9254	4349239.155653361	3384.255273701764	3300.886030733368	3302.715550517014	3302.698496734576	24.12136352170428	20.31604576715808
338	122	98878	-148521.1413	872527.3170250766	39.26929396179635	-101.323812	239530.9916516169	4349235.115921033	3387.342623773803	3301.73818727692	3302.74372424972	3302.74372424972	24.12136352170428	20.31604576715808
339	122	98879	-147861.1413	872527.3170250766	39.26930410372384	-101.3214818	239732.0556739606	4349231.07635921	3386.891783110812	3304.5517478703374	3302.941047104711	3302.453889084591	24.690957689825712	21.1078718549232
340	122	98880	-147201.1413	872527.3170250766	39.26931453557648	-101.319157	239933.1236439151	4349227.03701828	3386.891783110812	3304.5517478703374	3302.941047104711	3302.453889084591	24.690957689825712	21.1078718549232
341	122	98881	-146541.1413	872527.3170250766	39.26932498105016	-101.3168818	240134.05698103	4349218.99281681	3385.991783110812	3304.5517478703374	3302.941047104711	3302.453889084591	24.690957689825712	21.1078718549232
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343	12													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothsKrg.ft	SatHtBothsKrg.ft	SatHtBoths.ft
421	122	89965	-91101.14133	872527.3170250766	39.7000485983196	-111.1201875	317023.019827053	4348884.376013958	3242.571913278394	304.8874645430704	3017.853866023432	3017.832275828913	30.82285834731168	30.814718380643
426	122	89966	-90441.14133	872527.3170250766	39.7200110365957	-111.1187573	317224.0064789892	4348890.52749945	3225.240417727225	304.8724433789332	3014.397488410264	3014.478101694202	32.372947379064	32.32423431
427	122	89967	-89821.14133	872527.3170250766	39.72001719173803	-111.1164271	317425.1188615256	4348876.329872721	3223.908761453025	304.8196313344455	3010.861108855887	3010.861108855887	33.58342718586636	33.58342718586636
428	122	89968	-89041.14133	872527.3170250766	39.72002392100551	-111.1148659	317462.16025431904	4348872.7062297320	3220.570977782720	304.86730521489253	3010.848898989374	30.0483364791941	35.0082940746734	35.0082940746734
429	122	89969	-88461.14133	872527.3170250766	39.72002934745302	-111.117667	317827.21736052766	4348868.284078906	3217.235159610964	304.80727370794635	3005.225242309242	3005.375368758444	34.7471377022169	35.59702403619144
430	122	89970	-87801.14133	872527.3170250766	39.7200357379557	-111.1043635	318028.2626974936	4348864.261561701	3213.89934144685	303.97074228368264	3002.783029	3003.032705944133	36.29439360574636	36.4147168926033
431	122	89971	-87411.14133	872527.3170250766	39.72004132312811	-111.1071063	318229.3150562824	4348860.292321551	3212.02737786633	302.700244970793	3000.553973700616	3000.846891320582	36.646501270176486	36.59702403619144
432	122	89972	-86481.14133	872527.3170250766	39.720047425430676	-111.104761	318430.3636371481	4348866.217	3211.61928166963	303.334083446613	2998.544257478328	2998.544257478328	36.4393844672968	36.4393844672968
433	122	89973	-85821.14133	872527.3170250766	39.72005312	-111.102449	318651.014202944	4348852.195131487	3211.21168476724	303.334083446613	2998.544257478328	2998.544257478328	36.168366892419416	36.168366892419416
434	122	89974	-85161.14133	872527.3170250766	39.7200589406571	-111.1001157	318852.409	4348846.173261556	3210.8030517741813	303.334083446613	2998.544257478328	2998.544257478328	35.9547707640873	35.9547707640873
435	122	89975	-84501.14133	872527.3170250766	39.7200647435818	-110.9977856	319033.508314269	4348844.151778349	3209.391049358685	302.9483414942966	2995.69667457467	2996.203530338886	34.496361562563	33.6428112064005
436	122	89976	-83841.14133	872527.3170250766	39.72007047464061	-110.995454	319234.5561854649	4348840.13038158	3208.9931955587	302.8046072744743	2996.106947290437	2997.399496473049	31.94192154544444	30.64910770404696
437	122	89977	-83181.14133	872527.3170250766	39.72007676991286	-110.9931252	319435.6038787826	4348836.190172075	3208.268751707855	2995.480485718024	2998.011238478995	2998.011238478995	27.4575132995525	27.4575132995525
438	122	89978	-82521.14133	872527.3170250766	39.72008182017535	-110.990795	319636.6513974007	4348832.0814892	3207.19649952886	302.4507811326384	2988.289313302058	2995.480485718024	36.21827994613159	35.9702403619144
439	122	89979	-81861.14133	872527.3170250766	39.720087425427905	-110.9884648	319837.6987358383	4348828.67215299	3207.2649867186277	302.2766949456893	2993.758101559	2998.042581398647	38.1885639412031	35.44211350472048
440	122	89980	-81201.14133	872527.3170250766	39.7200928656964	-110.9861346	320038.7459033874	4348824.04682889	3189.7943451455058	302.4507811326384	2988.289313302058	2995.480485718024	36.014809854809	36.014809854809
441	122	89981	-80641.14133	872527.3170250766	39.7200985090168	-110.9838044	320298.7928921556	4348820.06198857	3187.934530572384	301.9193484501958	2985.023718782658	2998.042581398647	36.014809854809	36.014809854809
442	122	89982	-79881.14133	872527.3170250766	39.72010371123596	-110.981472	320440.8397050496	4348816.005923489	3174.8536611990252	301.7662641841273	2937.485209673643	2937.9193791300584	53.7428425121459	53.7428425121459
443	122	89983	-79221.14133	872527.3170250766	39.7201093633541	-110.979144	320641.8863242741	4348811.98583371	3174.57736230295	301.603319	2937.396918880224	2995.62232754746	50.3809910208774	50.3809910208774
444	122	89984	-78561.14133	872527.3170250766	39.7201147765308	-110.9768138	320842.933040329	4348816.3603873245	3169.433071834023	301.4366568233316	2943.2794663780537	2964.831992292037	47.0871904452778	49.5304579405131
445	122	89985	-77901.14133	872527.3170250766	39.72012011172893	-110.9744836	321043.9799030526	4348803.946214314	3168.3184501	301.212735482548087	2949.212628814056	2949.212628814056	45.6091603080525	45.6091603080525
446	122	89986	-77241.14133	872527.3170250766	39.72012540195969	-110.9721534	321245.0251071907	4348799.526845317	3167.1933951443375	301.1615656991883	2948.69846707257	2953.46234859817	41.46526219512816	41.70108447
447	122	89987	-76581.14133	872527.3170250766	39.7201307738849	-110.9698421	321462.3436977534	4348791.793427157	3167.126267428848	301.1615656991883	2948.69846707257	2953.46234859817	40.435209716874	40.435209716874
448	122	89988	-75921.14133	872527.3170250766	39.720135847242265	-110.967493	321647.1169005182	4348791.88184844	3169.501121605525	300.816186491886	2937.049135830092	2928.402540532665	37.01206801	37.01206801
449	122	89989	-75261.14133	872527.3170250766	39.72014100239314	-110.9651268	321848.1625	4348787.869214919	3171.426741293783	300.5464419820787	2927.716734483357	2927.716734483357	33.74523888	33.74523888
450	122	89990	-74601.14133	872527.3170250766	39.72014611	-110.9628326	322049.20791299	4348783.85043514	3171.344372126945	300.5534198259197	2920.54661511408	2950.76165447512	45.8068047145187	45.8068047145187
451	122	89991	-73941.14133	872527.3170250766	39.720151177664296	-110.9605024	322250.2551045167	4348783.81834868	3172.86780326474	300.3832442847027	2917.720713606534	2911.1998407545185	45.8068047145187	45.8068047145187
452	122	89992	-73281.14133	872527.3170250766	39.72015619778454	-110.9581723	322451.2980599526	4348785.71394272	3169.90375345712	300.2136518542513	2919.802151215242	2920.065051213675	42.3343972088926	42.3343972088926
453	122	89993	-72621.14133	872527.3170250766	39.7201611738849	-110.9558421	322652.3436977534	4348781.793427157	3167.126267428848	301.1615656991883	2948.69846707257	2953.46234859817	40.435209716874	40.435209716874
454	122	89994	-71961.14133	872527.3170250766	39.72016610294416	-110.9535119	322857.381781139	4348781.77116411	3167.126267428848	301.1615656991883	2948.69846707257	2953.46234859817	39.7307485236415	39.7307485236415
455	122	89995	-71301.14133	872527.3170250766	39.7201709808338	-110.9511817	323054.43236130837	4348783.759137326	3162.6128605451766	300.4733951741544	2924.557766261947	2937.396918880224	37.38591862	37.38591862
456	122	89996	-70641.14133	872527.3170250766	39.72017588163325	-110.9488515	323255.4767334749	4348789.74164945	3162.198305832767	2996.59062198022	2923.442785677562	2929.245154144444	37.38591862	37.38591862
457	122	89997	-69981.14133	872527.3170250766	39.72018062323241	-110.9465213	323456.5208328379	4348785.724172508	3161.783410340075	2995.27675	2921.729503886195	2922.79408354265	37.38591862	37.38591862
458	122	89998	-69321.14133	872527.3170250766	39.720185137329126	-110.9441911	323657.5649959034	4348781.706881707	3161.369312240484	2993.985307343694	2919.088473389961	2919.088473389961	34.9008573537332	34.9008573537332
459	122	89999	-68661.14133	872527.3170250766	39.72019001834207	-110.9418089	323858.6089139223	4348747.68973458	3160.212959362128	2992.7386821942614	2916.554435547974	2916.554435547974	36.168366892419416	36.168366892419416
460	122	90000	-68001.14133	872527.3170250766	39.7201953340823	-110.9397025	324059.6525911513	4348784.672857638	3158.314855996005	2991.52631317533	2921.0914657023	2921.0914657023	34.9008573537332	34.9008573537332
461	122	90001	-67341.14133	872527.3170250766	39.72019935340823	-110.9375025	324260.6961052566	4348739.66126447	3156.413204235884	2992.52373427146	2911.864448975502	2916.644788362574	34.9008573537332	34.9008573537332
462	122	90002	-66681.14133	872527.3170250766	39.7202033242589	-110.9354703	324461.739447588	4348735.63987114	3154.18118372762	2998.21647041316	2909.2406405116812	2918.251179618875	34.9008573537332	34.9008573537332
463	122	90003	-66021.14133	872527.3170250766	39.7202084843319	-110.9332501	324662.7861162434	4348731.62221773	3151.502802266864	2998.187738844635	2906.985397126273	2920.327158778315	31.7338251773185	31.7338251773185
464	122	90004	-65361.14133	872527.3170250766	39.72021293	-110.9310299	324863.8256071204	4348727.601075123	3147.3704446718184	2997.0578912371225	2905.40159696331	2923.89239660438	31.7338251773185	31.7338251773185
465	122	90005	-64701.14133	872527.3170250766	39.72021736	-110.928797	325064.6884314599	4348723.91096453	3143.230864119504	2996.03260638875	2904.330801018988	2921.8292872171227	31.7338251773185	31.7338251773185
466	122	90006	-64041.14133	872527.3170250766	39.7202217533394	-110.925495	325265.915	4348719.75267652	3143.105728160824	2995.041785355333	2903.83921666211	2910.602419704714	31.7338251773185	31.7338251773185
467	122	90007	-63381.14133	872527.3170250766	39.72022612298752	-110.923269	325467.86334966	4348715.442931414	3142.04274096555	2994.036989591428	2902.87528715428	2909.0287528715428	31.7338251773185	31.7338251773185
468	122	90008	-62721.14133	872527.3170250766	39.7202303831488	-110.920891	325667.99587954883	4348711.54422949	3141.9350456152825	2993.7152191927	2902.9403311460037	2916.644788362574	31.7338251773185	31.7338251773185
469	122	90009	-62061.14133	872527.3170250766	39.7202346326017	-110.918589	325869							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRrElevKgr.f	BRrElevBtk.f	SatHtKgr.f	SatHtBtk.f
551	122	90091	-7941.141327	87.27257	31.70250766	39.27043036791423	-00.8274816	342353.9336963403	34483.7819304016	2999.0922757168987	291.8085304737438	284.258572666697	50.06665754791475
552	122	90092	-7261.141327	87.27257	31.70250766	39.27043036979584	-00.8251514	342564.9624139327	34483.7413247282	2909.69780739087	285.3441159062352	284.5846735039395	56.23326097673498
553	122	90093	-6581.141327	87.27257	31.70250766	39.27043110077805	-00.8229123	342755.900875489	34483.6735989633	2908.544563696924	286.108610847424	285.723997292	52.81704422294024
554	122	90094	-5961.141327	87.27257	31.70250766	39.27043110077805	-00.820491	342957.913901798	34483.6214712783	3008.005117	285.8093444668746	284.8701612323602	48.87516765026286
555	122	90095	-5301.141327	87.27257	31.70250766	39.27043219411118	-00.8181608	343158.04764089883	34483.6219481734	3008.300675914228	286.1491095137108	284.167696413791	40.98171693339675
556	122	90096	-4641.141327	87.27257	31.70250766	39.27043253313356	-00.8158305	343359.07554387	34483.5910831308	3008.81390674014	287.218663171201	285.79653845716	32.077700512230076
557	122	90097	-3981.141327	87.27257	31.70250766	39.270432827145214	-00.8135003	343560.1037956606	34483.5419667614	3008.3027105	288.017757226238	286.765307722802	27.090524960073782
558	122	90098	-3231.141327	87.27257	31.70250766	39.27043308	-00.811701	343761.1351115426	34483.5018382619	3002.942311914047	290.2244301162146	288.1491173354907	20.75089671240094
559	122	90099	-2681.141327	87.27257	31.70250766	39.27043346913627	-00.808859	343962.1591618162	34483.4519843522	3008.1696958787	290.84456876014	288.160731503555	12.868438874688
560	122	90100	-2001.141327	87.27257	31.70250766	39.27043343911566	-00.8050507	344163.1686599563	34483.421586704	3008.5737719523	289.14119736828105	284.887398812362	57.52137438102685
561	122	90101	-1341.141327	87.27257	31.70250766	39.2704335036431	-00.8041795	344364.2140688715	34483.394734657	3009.67984407365	289.5475557366851	284.7307342825021	69.6844138318367
562	122	90102	-681.1413269	87.27257	31.70250766	39.27043322042424	-00.8018493	344565.2412024813	34483.3492526498	3010.538611248236	288.64623260317226	281.12114111565246	75.3499148715901
563	122	90103	-21.14132693	87.27257	31.70250766	39.2704334589842	-00.799519	344766.2682669986	34483.30727777885	3009.6491191744234	289.57789526402174	287.1643457191938	77.16126289215708
564	122	90104	36.8586730733514	87.27257	31.70250766	39.27043324925514	-00.7971888	344967.29514063837	34483.263930212921	3007.009425163866	289.1329245830334	285.7915722508044	77.3027751298147
565	122	90105	129.8586730733514	87.27257	31.70250766	39.27043359	-00.7948586	345168.3219836057	34483.2232933605	3008.376788529013	289.189672488376	285.391818955447	77.179682785421
566	122	90106	195.8586730733514	87.27257	31.70250766	39.2704344776614	-00.7925284	345369.348476101	34483.1833539921	3001.7439125419354	289.340215914897	284.90253622268	75.4378807488017
567	122	90107	261.8586730733514	87.27257	31.70250766	39.2704332917063	-00.7901982	345570.37491832424	34483.1493831861	2998.609403705963	288.739721314436	284.170315338417	74.593667970185
568	122	90108	327.8586730733514	87.27257	31.70250766	39.2704330056407	-00.787868	345771.4012105209	34483.1041909149	2987.1666944171	288.7669944171	283.170351812075	73.858167398804
569	122	90109	393.8586730733514	87.27257	31.70250766	39.2704328444675	-00.7855378	345972.4273528475	34483.0645172582	2998.30634071665	288.547521388863	282.198055684663	72.8553051453128
570	122	90110	459.858673073351	87.27257	31.70250766	39.2704325331873	-00.7830275	346173.453455247	34483.02348712349	2984.26610627545	288.30420551813383	281.1088322648092	71.28519273
571	122	90111	525.858673073351	87.27257	31.70250766	39.270432171792	-00.7808773	346374.478491789523	34482.9845655705	2982.024701938581	288.235138646461	280.894659113087	70.3275951
572	122	90112	591.858673073351	87.27257	31.70250766	39.27043184	-00.778471	346575.50488759	34482.94254573543	2980.39717129958	288.230895563006	280.73829729724	72.788082618275
573	122	90113	657.858673073351	87.27257	31.70250766	39.27043158	-00.7760129	346789.540435056	34482.904277113	2978.965826828943	288.196587299993	280.584717891	71.02032681782
574	122	90114	723.858673073351	87.27257	31.70250766	39.2704303899114	-00.7738687	346977.555823801	34482.864772233	2976.4121100195107	287.751557395175	280.4793722454156	70.84532293149144
575	122	90115	789.858673073351	87.27257	31.70250766	39.270430251735	-00.7715665	347178.58017135005	34482.826924886	2974.7862196014679	287.759782637818	280.272472723859	70.9005273982255
576	122	90116	855.858673073351	87.27257	31.70250766	39.270428134864	-00.7692262	347379.60170448	34482.7897391048	2973.7395139241	287.42065957669	280.017383129496	70.810268228173
577	122	90117	921.858673073351	87.27257	31.70250766	39.270429255121606	-00.766896	347580.63112132414	34482.749758767	2976.671020224027	287.1560824144319	279.875101839959	72.89890514871038
578	122	90118	987.858673073351	87.27257	31.70250766	39.2704286307654	-00.7645858	347781.6559241897	34482.7038799202	2975.600829591564	286.9656676688303	279.6315265712688	75.0232403
579	122	90119	1053.858673073351	87.27257	31.70250766	39.2704279782965	-00.7622816	347982.8685782512	34482.6668901079	2967.7160877050473	286.7716087050473	279.8342862591	73.8586730733514
580	122	90120	1119.858673073351	87.27257	31.70250766	39.27042716644752	-00.7600254	348183.1645350536	34482.6245015087	2964.744502540236	286.7957879270058	279.7337275	75.156128175799
581	122	90121	1185.858673073351	87.27257	31.70250766	39.2704263800213	-00.7575752	348384.7294467764	34482.59	2968.522981469426	286.7327661146075	279.786124810454	75.791387508297355
582	122	90122	1251.858673073351	87.27257	31.70250766	39.2704254894442	-00.755245	348585.753659527	34482.55007801	2967.30196039262	286.611081358782	279.85162251153	73.22429651373065
583	122	90123	1317.858673073351	87.27257	31.70250766	39.27042672676796	-00.7529147	348786.7777254527	34482.511704049	2966.978481174704	285.6900851550024	278.752783431252	72.8991653126244
584	122	90124	1383.858673073351	87.27257	31.70250766	39.27042731398425	-00.7505485	348993.9601646531	34482.471078027	2965.5284355897	285.488555113158	278.7219108912672	71.1576634904032
585	122	90125	1448.858673073351	87.27257	31.70250766	39.27042775819325	-00.7482543	349188.8254171875	34482.42504218534	2964.12720591853	285.3449913438643	277.58226996475	70.85167022
586	122	90126	1513.858673073351	87.27257	31.70250766	39.270427134	-00.7459241	349389.840435056	34482.3910376123	2962.70156831098	285.17016831098	277.463417891	71.02032681782
587	122	90127	1588.858673073351	87.27257	31.70250766	39.2704271749898	-00.7436939	349590.875233482	34482.3503438769	2960.476212184387	285.050732348642	277.2559680400586	70.87591155378
588	122	90128	1647.858673073351	87.27257	31.70250766	39.2704196117715	-00.7412637	349791.899573131	34482.3140423472	2966.2937335953	284.75317883433	276.9223109194572	70.9043583541336
589	122	90129	1713.858673073351	87.27257	31.70250766	39.27041846984515	-00.7389335	349992.9191455925	34482.251039838	2967.4497300362317	284.67497300362317	276.54719391524964	70.87100716137532
590	122	90130	1779.858673073351	87.27257	31.70250766	39.27041727850423	-00.7366032	350193.9248188214	34482.23059	2967.97678380926	284.413091377213	276.008491707738294	73.8586730733514
591	122	90131	1848.858673073351	87.27257	31.70250766	39.270417240414899	-00.734273	350394.96085070225	34482.19066101721	2965.33136999534	284.2013991367715	275.6239647326827	73.8586730733514
592	122	90132	1918.858673073351	87.27257	31.70250766	39.2704170677487	-00.7319248	350595.98767374214	34482.1517331506	2964.99200895666	283.956813906673	274.817486010507	73.8586730733514
593	122	90133	1988.858673073351	87.27257	31.70250766	39.270416508308654	-00.7296133	350803.1430568484	34482.113230741	2964.5268573199226	283.7443020959142	274.631638189815	73.8586730733514
594	122	90134	2043.858673073351	87.27257	31.70250766	39.2704120634201	-00.7272824	351098.9302780138	34482.070957246	2962.110287269028	283.421913596705	274.27936575127	73.8586730733514
595	122	90135	2109.858673073351	87.27257	31.70250766	39.2704166462814	-00.7249522	351319.09552	34482.0307973225	2961.150757543101	283.2259959919052	274.27164821833533	73.8586730733514
596	122	90136	2175.858673073351	87.27257	31.70250766	39.27041951822118	-00.722622	351400.077399579	34481.9911061452	2961.172659000483	283.10291668522117	274.4923693569077	73.8586730733514
597	122	90137	2241.858673073351	87.27257	31.70250766	39.270416778803515	-00.7202918	351601.09942917794	34481.9511466126	2961.19450548529218	282.7749852	273.8598848529218	73.85900530991362
598	122	90138	2307.858673073351	87.27257	31.70250766	39.27041612735113	-00.7179615	351802.12314146693	34481.911233379	2961.2164619140394	282.57394726927916	273.8571809140392	73.859133829047189
599	122	90139	2373.858673073351	87.27257	31.70250766	39.27041583	-00.7156813	352003.1430568484	34481.87132330741	2961.2368373199226	282.45268573199226	273.8571809140392	73.859133829047189
600	122	90140	2439.858673073351	87.27257	31.70250766	39.2704120634201	-00.7133011	352204.1645350536	34481.831443494	2961.258114167	282.28193192676205	273.8571809140392	73.859133829047189
601	122	90141	2505.858673073351	87.27257	31.70250766	39.2704120359054	-00.7109708	352405.16811					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKgf.ft	BRElevBothKgf.ft	SatHtLogKgf.ft	SatHtBothKgf.ft
677	122	90217	75218.85867307335	8727257.3170250766	39.27014133	-00.5338752	367862.4131927471	4347876.399010559	2753.238006313917	2648.42794138065	2676.482262037946	2676.7867719690007	21425322.100119024	21.63802216906423
678	122	90218	75678.85867307335	8727257.3170250766	39.27013671885417	-00.5315445	367883.4422283643	4347874.422526897	2751.71744783905424	2696.540858267898	2682.499499557205	2682.499499557205	15.2356761944202	14.44138710692884
679	122	90219	76348.85867307335	8727257.3170250766	39.2701308191672	-00.5292148	36805.43173780157	4347868.446779833	2761.2020784820493	2695.457135486984	2682.667871049197	2682.667871049197	12.79291464377822	11.94378703822975
680	122	90220	77198.85867307335	8727257.3170250766	39.27012573928903	-00.5268487	368285.4591554484	4347874.470191604	2751.7025569	2693.975559386133	2675.9076095328	2676.235402268015	10.76079444122117	17.74015710961852
681	122	90221	77858.85867307335	8727257.3170250766	39.27012045	-00.5245545	368486.4565743729	4347860.449287903	2752.199171	2692.494779933324	2665.89361414064	2665.700626448946	26.59847176209646	26.79415264387395
682	122	90222	78518.85867307335	8727257.3170250766	39.27011511968324	-00.5222423	368687.4671024905	4347855.61586824	2752.695773697906	2691.0157949718155	2655.795373487216	2655.23494846002	35.2202573	35.78114512581351
683	122	90223	79178.85867307335	8727257.3170250766	39.270104236511	-00.5198941	368888.4775041009	4347854.30430352	2754.218779605516	2689.539083421279	2646.321277472946	2647.04375306481	54.37180554838084	43.815716873509
684	122	90224	79838.85867307335	8727257.3170250766	39.27010432003681	-00.5179539	369089.4877949096	4347852.567848481	2756.78758403754	2688.051614140443	2637.633252843654	2637.633252843654	50.43162739398034	50.9860303586196
685	122	90225	80498.85867307335	8727257.3170250766	39.2700985269848	-00.5152337	369290.4879266227	4347846.529582627	2759.1316901006555	2686.554593181083	2629.844665047652	2629.844665047652	46.9898113343656	46.9894698
686	122	90226	81158.85867307335	8727257.3170250766	39.270090334	-00.5129035	369491.50795194326	4347840.617538511	2761.8655961705957	2685.126764308279	2632.4205108973415	2632.4205108973415	61.7052314033728	60.195274920417
687	122	90227	81818.85867307335	8727257.3170250766	39.270087762991425	-00.5105793	369692.5178455756	4347836.42742392	2767.775136	2683.661273965124	2618.84543170258	2621.781391688345	61.7052314033728	60.195274920417
688	122	90228	82478.85867307335	8727257.3170250766	39.27008219602275	-00.5082431	369893.5276	4347832.668130336	2768.19952500971503	2682.19952500971503	2616.603910921887	2616.603910921887	65.595690133719	65.595690133719
689	122	90229	83138.85867307335	8727257.3170250766	39.27007653324401	-00.5059129	370094.5327658977	4347828.69370838	2778.3152835351766	2680.7411201205331	2661.145378	2661.145378	65.595690133719	65.595690133719
690	122	90230	83798.85867307335	8727257.3170250766	39.2700708405516	-00.5035827	370295.546790391	4347824.719461384	2795.585351018671	2679.288135491954	2616.6404429513104	2616.6404429513104	62.446370598784925	61.13909329915675
691	122	90231	84458.85867307335	8727257.3170250766	39.27006530456304	-00.5012525	370496.5961873277	4347820.745403474	2800.316514185931	2677.8378128512436	2628.6717967452484	2628.6717967452484	60.63813105959166	49.16676433031126
692	122	90232	85118.85867307335	8727257.3170250766	39.27005912047884	-00.4989223	370697.5645899093	4347816.71130092	2800.508755	2676.3970190778286	2627.12381408681	2627.12381408681	59.1580049114751	49.25500644025479
693	122	90233	85778.85867307335	8727257.3170250766	39.27005343932842	-00.4965921	370898.5746074005	4347812.79784128	2800.70995334208	2674.96439227933	2616.32755931724074	2621.5553947576013	58.823910062547	49.30935175431566
694	122	90234	86438.85867307335	8727257.3170250766	39.2700474621199424	-00.494262	371099.583039597	4347808.42336875	2800.89353027208	2673.541777	2614.6591822773016	2618.2198023900517	58.823910062547	49.30935175431566
695	122	90235	87098.85867307335	8727257.3170250766	39.27004170376043	-00.4919318	371300.5925304632	4347804.851071027	2803.77999252956	2672.127697200659	2612.0654555488454	2612.0654555488454	60.06315164217338	59.08874181
696	122	90236	87758.85867307335	8727257.3170250766	39.2700357331411446	-00.4896106	371501.60136112575	4347800.87781674	2806.834968751164	2670.722639313303	2608.5750912340054	2609.5351068972324	61.147584079297394	61.147584079297394
697	122	90237	88418.85867307335	8727257.3170250766	39.270029733852446	-00.4872714	371702.60995814635	4347796.90438002	2811.73173450127	2669.326379692044	2604.535552282103	2604.535552282103	64.7898249	64.57970709294887
698	122	90238	89078.85867307335	8727257.3170250766	39.27002361835458	-00.4849412	371903.618486731	4347792.53216405	2814.628402125434	2667.5387891726794	2600.732174532096	2600.732174532096	67.5986317956597	67.5986317956597
699	122	90239	89738.85867307335	8727257.3170250766	39.2700173290451	-00.482618	372104.6280968	4347787.5274897	2817.227589674907	2665.498362914222	2601.7389345128484	2601.7389345128484	14.081212606518	14.081212606518
700	122	90240	90398.85867307335	8727257.3170250766	39.27001144141552	-00.4802808	372305.6317441554	4347781.95175004	2816.189615804692	2665.7859289142	2597.2423602739914	2596.73948	67.5452901515075	68.4452977542507
701	122	90241	91058.85867307335	8727257.3170250766	39.270005633391677	-00.4779506	372506.643332505	4347781.015	2819.26396042548	2663.82599831158	2597.687146880924	2597.687146880924	66.645215026571	66.645215026571
702	122	90242	91718.85867307335	8727257.3170250766	39.26999902	-00.4756204	372707.6513708178	4347777.0242396	2820.33756514927	2662.1047551051052	2598.6321520107504	2598.6321520107504	63.7835554035487	63.7835554035487
703	122	90243	92378.85867307335	8727257.3170250766	39.26999274388929	-00.4732093	372908.6592852925	4347763.09291241	2821.281484049803	2661.12156485865572	2599.658764620148	2599.658764620148	61.62027997355575	61.62027997355575
704	122	90244	93038.85867307335	8727257.3170250766	39.26998642136068	-00.4709901	373109.681	4347769.0439508	2822.19948415020763	2599.77905519004	2600.8316128330002	2600.8316128330002	64.7898249	64.7898249
705	122	90245	93698.85867307335	8727257.3170250766	39.26998063827174	-00.4686929	373309.67478456	4347762.87847456	2823.967363342281	2598.45460734762	2601.838257981216	2601.838257981216	56.78037688407402	56.78037688407402
706	122	90246	94358.85867307335	8727257.3170250766	39.26997364127478	-00.4662997	373511.65673272	4347758.156873272	2825.4882256522	2597.11707895605	2602.681931050614	2602.681931050614	54.1237654	54.1237654
707	122	90247	95018.85867307335	8727257.3170250766	39.269967183715515	-00.4643695	373712.6897	4347753.18566749	2796.97620004177	2695.78997335654	2603.691733	2603.691733	52.3010631278079	52.3010631278079
708	122	90248	95678.85867307335	8727257.3170250766	39.26996188114741	-00.4616393	373913.670286988	4347751.1644616	2794.471288736607	2695.14973757575	2604.964741130817	2604.964741130817	49.51481760577534	49.51481760577534
709	122	90249	96338.85867307335	8727257.3170250766	39.26995413356942	-00.4593091	374114.7042103108	4347749.2306852	2785.434019488496	2693.518016048364	2607.750288142973	2607.750288142973	45.5768696727289	45.5768696727289
710	122	90250	96998.85867307335	8727257.3170250766	39.26994754098161	-00.456979	374315.712736459	4347746.29333459	2776.6929623268	2691.05026554321	2612.156223202076	2612.156223202076	43.980844166805	43.980844166805
711	122	90251	97658.85867307335	8727257.3170250766	39.26994093353876	-00.4546848	374516.7182189047	4347741.20288423	2772.425903935343	2690.5482773812764	2610.741483525949	2610.741483525949	42.968673527398	42.968673527398
712	122	90252	98318.85867307335	8727257.3170250766	39.26993420776534	-00.452318	374717.725040968	4347737.3279737	2772.727589674907	2689.7415358433463	2609.54462024092	2609.54462024092	41.73776517652618	41.73776517652618
713	122	90253	98978.85867307335	8727257.3170250766	39.26992749315928	-00.4498488	374918.7173242522	4347733.363	2780.019513703557	2687.962900376352	2614.52569536191	2614.52569536191	61.042052728985	61.042052728985
714	122	90254	99638.85867307335	8727257.3170250766	39.2699207053225	-00.4476582	375119.783239918	4347729.3928334	2781.35767876586	2686.679478100173	2612.411508411945	2612.411508411945	52.25643985028166	52.25643985028166
715	122	90255	100298.85867307335	8727257.3170250766	39.26991380289543	-00.445328	375320.7447550494	4347725.423	2785.265699	2645.400734381326	2611.899593481598	2611.899593481598	51.301369571461	51.301369571461
716	122	90256	100958.85867307335	8727257.3170250766	39.26990704024545	-00.4429979	375521.7512271885	4347721.45302236	2791.841418051068	2644.126664141	2603.2583921495216	2603.2583921495216	45.068271991675556	45.068271991675556
717	122	90257	101618.85867307335	8727257.3170250766	39.26990013289912	-00.4406677	375722.7547940655	4347718.43932951	2792.4583598397572	2642.8503839751972	2596.870038140423	2596.870038140423	43.9339894942626	43.9339894942626
718	122	90258	102278.85867307335	8727257.3170250766	39.26989317993033	-00.4383375	375923.765528227	4347715.51965465	2805.01025459683	2641.5651502117676	2591.908201	2591.908201	43.9339894942626	43.9339894942626
719	122	90259	102938.85867307335	8727257.3170250766	39.26988629849896	-00.4360262	376124.862408986	4347712.32049098	2806.37836345256	2640.37836345256	2591.908201	2591.908201	43.9339894942626	43.9339894942626
720	122	90260	103598.85867307335	8727257.3170250766	39.26987913591766	-00.4336771	376325.775400838	4347705.57595751						

id	Y.R	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.	W.L.R	BRELevLogh.Kg.R	BRELevLogh.Kg.R	SurfLevLogh.Kg.R	SurfLevLogh.Kg.R
62	123	90343	-330021.143	727917.3172025076	39.26661938139541	101.96454956	244233.757988159	43050554.4027191861	3928011908917329	3688.4285699	3614.468517263983	3615.24717137164417	37.96008130307895
63	123	90344	-32961.143	727917.3172025076	39.26661938139541	101.962257	244434.8795068512	4305050.32906238	3888.271727288875	3688.436526185127	361.167269310738375	3614.91401719338735	74.7692932291913
65	123	90345	-327961.143	727917.3172025076	39.2666643	101.9599358	244634.0086169573	4305054.236763194	3684.468130438297	3684.468130438297	361.167269310738375	3614.91401719338735	74.7692932291913
66	123	90346	-327041.143	727917.3172025076	39.266666957183	101.9576058	244837.341163377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
67	123	90347	-327041.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
68	123	90348	-327041.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
69	123	90349	-326061.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
70	123	90350	-325401.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
71	123	90351	-324741.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
72	123	90352	-324081.143	727917.3172025076	39.2667904832673	101.9552759	245038.261125377	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
73	123	90353	-323421.143	727917.3172025076	39.26684821742349	101.9412964	246245.0175095614	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
74	123	90354	-322701.143	727917.3172025076	39.26684821742349	101.9412964	246245.0175095614	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
75	123	90355	-322101.143	727917.3172025076	39.26684821742349	101.9412964	246245.0175095614	4305042.163898225	3884.411369851804	3682.511962064815	3605.7001433200815	361.16789013915478	74.81801965340282
76	123	90356	-321441.143	727917.3172025076	39.266908157112606	101.9343066	246848.3921209195	4305041.244284611	3849.64824184967	3662.74107368047	3588.05051537087	3601.00127414949637	74.81801965340282
77	123	90357	-320781.143	727917.3172025076	39.2669304980183	101.9319767	247490.5186444785	4304971.15511737	3839.528702634517	3662.74107368047	3588.05051537087	3601.00127414949637	74.81801965340282
78	123	90358	-320121.143	727917.3172025076	39.2669304980183	101.93197	247490.5186444785	4304971.15511737	3839.528702634517	3662.74107368047	3588.05051537087	3601.00127414949637	74.81801965340282
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81	123	90361	-318141.143	727917.3172025076	39.2670119214018	101.9226569	247854.0170707694	4305040.80343275	3832.663227015823	3562.133069760296	3582.01131129612	3593.58904	77.098496302493
82	123	90362	-317481.143	727917.3172025076	39.2670386521994	101.920327	248051.135255240	4305046.71213738	3849.938892683756	3649.938892683756	3571.705954539654	3590.07810356335	78.22896327391916
83	123	90363	-316821.143	727917.3172025076	39.26706403379768	101.919787	248256.25818480356	4305042.62039314	3827.228749490303	3647.70947739644	3568.305591102633	3585.756283369543	79.0803136334108
84	123	90364	-316161.143	727917.3172025076	39.267026703233	101.915671	248457.3806776217	4305048.752635234	3824.3819237815045	3647.01109625178	3565.969840052338	3578.631948399664	79.0803136334108
85	123	90365	-315501.143	727917.3172025076	39.26710361444691	101.913372	248688.5030016223	4305044.848802427	3821.307335298044	3643.1849026022134	3561.1774664547	3572.38253	79.0803136334108
86	123	90366	-314841.143	727917.3172025076	39.2671805185185	101.9110873	248900.744228709	4305056.273692941	3816.381530526264	3638.552103186614	3561.24138913246	3567.20908520081	79.0803136334108
88	123	90368	-313521.143	727917.3172025076	39.2671679865459	101.9063473	249261.891106693	4305042.16786933	3814.608018335651	3636.195010256676	3566.322541743716	3567.04546082962	79.0803136334108
89	123	90369	-312861.143	727917.3172025076	39.267160671934	101.9040174	249624.9905501901	4305048.0989411	3812.834533165561	3637.03409901923	3568.8480183653	3571.074012318583	79.0803136334108
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91	123	90371	-311541.143	727917.3172025076	39.267160671934	101.9040174	249624.9905501901	4305048.0989411	3812.834533165561	3637.03409901923	3568.8480183653	3571.074012318583	79.0803136334108
92	123	90372	-310881.143	727917.3172025076	39.267160671934	101.9040174	249624.9905501901	4305048.0989411	3812.834533165561	3637.03409901923	3568.8480183653	3571.074012318583	79.0803136334108
93	123	90373	-310221.143	727917.3172025076	39.267160671934	101.9040174	249624.9905501901	4305048.0989411	3812.834533165561	3637.03409901923	3568.8480183653	3571.074012318583	79.0803136334108
94	123	90374	-309561.143	727917.3172025076	39.26729543020771	101.892376	250264.5940380213	4305047.66827561	3818.531115501964	3621.520303814553	3592.86414261463	3576.929471661777	79.0803136334108
95	123	90375	-308901.143	727917.3172025076	39.2673156200584	101.8900376	250669.738496952	4305043.253	3821.764138005167	3619.014037056265	3571.5869367966	3565.31434236916	79.0803136334108
96	123	90376	-308241.143	727917.3172025076	39.26733756310528	101.887707	250870.8339237205	4305049.49690428	3825.772521681807	3616.508965011877	3564.17517258478	3564.389677232465	79.0803136334108
97	123	90377	-307581.143	727917.3172025076	39.26733756310528	101.887707	250870.8339237205	4305049.49690428	3825.772521681807	3616.508965011877	3564.17517258478	3564.389677232465	79.0803136334108
98	123	90378	-306921.143	727917.3172025076	39.26733756310528	101.887707	250870.8339237205	4305049.49690428	3825.772521681807	3616.508965011877	3564.17517258478	3564.389677232465	79.0803136334108
99	123	90379	-306261.143	727917.3172025076	39.26733756310528	101.887707	250870.8339237205	4305049.49690428	3825.772521681807	3616.508965011877	3564.17517258478	3564.389677232465	79.0803136334108
100	123	90380	-305601.143	727917.3172025076	39.2674212852706	101.878675	251675.3100573055	4305043.16569242	3832.60200967427	3606.815002168089	354.761343861972	3546.81820811984	79.0803136334108
101	123	90381	-304941.143	727917.3172025076	39.2674421	101.876539	251675.3100573055	4305043.16569242	3832.60200967427	3606.815002168089	354.761343861972	3546.81820811984	79.0803136334108
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103	123	90383	-303621.143	727917.3172025076	39.26748363435564	101.871379	252278.674649393	4305046.9302927	3826.464980524484	3600.55435359217	355.59579591445	355.10936495928	79.0803136334108
104	123	90384	-302961.143	727917.3172025076	39.26748363435564	101.871379	252278.674649393	4305046.9302927	3826.464980524484	3600.55435359217	355.59579591445	355.10936495928	79.0803136334108
105	123	90385	-302301.143	727917.3172025076	39.2675459	101.866738	252680.899438247	4305032.73577828	3818.405480170671	3597.175821197727	353.02165857872	354.94030450826	79.0803136334108
106	123	90386	-301641.143	727917.3172025076	39.2675451843842	101.864408	252882.017234604	4305037.65170524	3816.07622630487	3595.5374616881206	354.840110553787	356.098995050494	79.0803136334108
107	123	90387	-300981.143	727917.3172025076	39.2675660654912	101.862078	253083.134024087	4305037.65280313	3814.7700179551	3593.32324470034	3529.371744200143	3540.97820673647	79.0803136334108
108	123	90388	-300321.143	727917.3172025076	39.2675865694612	101.859741	253284.2510015124	4305043.48429698	3808.8049146942	3592.36067989847	3529.36067989847	3540.97820673647	79.0803136334108
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111	123	90391	-298341.143	727917.3172025076	39.26764780840049	101.852781	253687.5989211044	4305038.23185927	3800.23447612634	3587.629003404003	3526.836729177373	3526.836729177373	79.0803136334108
112	123	90392	-297681.143	727917.3172025076	39.26766813	101.850242	25408						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.	SatHtKlogs.	SatHtBothKrg.
193	123	90469	-246861.1413	872917.3170250766	39.26690785518882	-101.671016	269573.9161503899	4350040.3664959687	3648.538526467581	3418.1159721293507	3417.8923256822778	3417.780251	3417.33571	72107880082
190	123	90470	-246201.1413	872917.3170250766	39.26911466783038	-101.658886	269775.7175312961	4350036.298671611	3646.8743532077	3487.765176992573	3405.907206504792	3405.9217277593587	341.8572923	332906895
191	123	90471	-245181.1413	872917.3170250766	39.26913143546777	-101.658588	269876.1107466814	4350032.0213704236	3648.693454774732	3409.8074471520785	3399.8074471520785	3409.8074471520785	85.565889	19646352
192	123	90472	-244881.1413	872917.3170250766	39.269148150897366	-101.6640258	270177.0137129293	4350023.363620624	3647.27471544178	3484.94704285134	3399.650372218417	3399.650372218417	85.2967110239212	85.5507511563472
193	123	90473	-244221.1413	872917.3170250766	39.269146833721554	-101.6616957	270378.304707914	4350024.09644003	3648.27623390473	3483.498660751593	3400.207443	3400.456025355838	83.28841675	83.0398347193213
194	123	90474	-243661.1413	872917.3170250766	39.26918146833972	-101.6593657	270579.400835651	4350021.402970553	3648.036923487642	3482.036923487642	3400.392973246039	3401.04952453857674	81.3771904739224	80.9811499076646
195	123	90475	-242901.1413	872917.3170250766	39.2691805595175	-101.6570356	270849.94972698186	4350015.56263642	3648.1992357444024	3480.5622883900437	3400.1372123621404	3400.1778268294	80.42506702790329	79.3835801214967
196	123	90476	-242421.1413	872917.3170250766	39.26921458557724	-101.6547055	270981.5932397573	4350011.895098132	3648.5448507776656	3479.1001131549274	3399.982546128338	3400.4075470443387	79.11756702659073	78.62437670509073
197	123	90477	-241891.1413	872917.3170250766	39.26922109615751	-101.6525754	271162.589165857	4350017.829441547	3647.890808	3477.6604747557215	3400.552641954882	3400.552641954882	79.78810024670982	79.1400225
198	123	90478	-240921.1413	872917.3170250766	39.2692236653856	-101.6500453	271383.784715107	4350013.76133708	3647.235502747225	3476.2211738087382	3402.433746115338	3401.049223249107	73.78427693378	75.1762058382555
199	123	90479	-240261.1413	872917.3170250766	39.2692336653856	-101.6477153	271584.8801537354	4350009.69704599	3648.723688074125	3474.61566161399	3404.743475	3400.79373046293175	70.0730068602873	70.0192186822357
200	123	90480	-239601.1413	872917.3170250766	39.26923031891755	-101.6453852	271785.9753104654	4349995.63174219	3647.66678893513	3473.4397128108258	3408.91067701139	3407.706202896615	63.456451096659	72.73185078
201	123	90481	-238941.1413	872917.3170250766	39.26922663649466	-101.6430551	271987.0702	4349951.56542556	3646.0083869719313	3472.0921197871508	3408.838925468093	3401.040038294967	65.2582139052454	70.1752296123374
202	123	90482	-238281.1413	872917.3170250766	39.26931230907135	-101.640725	272188.106462283	4349987.49933754	3645.64929867153	3470.74246128426	3410.3895176113583	3410.3895176113583	60.3847851706774	69.4024227283018
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208	123	90488	-234321.1413	872917.3170250766	39.2694039394895	-101.6267445	273394.7285711307	4349963.110762447	3630.6074120150257	3463.6479420796692	3414.3802088885816	3409.6436240871995	49.0677351910876	53.7834371
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210	123	90490	-233001.1413	872917.3170250766	39.26944146593967	-101.6220843	273765.914620508	4349956.96254675	3622.475871674569	3461.1753870260317	3414.8892137159396	3412.7237073007494	46.2861736049027	47.90370431329138
211	123	90491	-232341.1413	872917.3170250766	39.2694591925259	-101.6194262	273937.07129251672	4349952.07162136	3618.6109323218985	3458.500841361508	3414.8892137159396	3412.7237073007494	45.1078154699926	46.2861736049027
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217	123	90497	-228381.1413	872917.3170250766	39.26955159862325	-101.6058738	275204.5497730542	4349925.381733868	3600.44539738296	3453.381798782326	3414.766224792957	3428.059747394326	38.87122357166845	26.577721131163604
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219	123	90499	-227061.1413	872917.3170250766	39.269586256744184	-101.6011134	275606.7048712996	4349914.8140133675	3595.34525038719	3451.500976	3414.2315920410406	3427.283048679497	37.26938333141927	24.217951004510724
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221	123	90501	-225741.1413	872917.3170250766	39.269611336637344	-101.5964532	276008.922	4349910.29084713	3589.890242028646	3449.46282886133	3413.6495298406317	3423.918107470572	35.30034055041361	25.54464913087573
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224	123	90504	-223761.1413	872917.3170250766	39.2696591925259	-101.5894262	276612.1920571672	4349898.106162136	3584.6109323218985	3445.500841361508	3414.8892137159396	3412.7237073007494	32.989121230414	
225	123	90505	-223101.1413	872917.3170250766	39.26967475634066	-101.5871328	276813.2816432257	4349894.05	3580.497670243398	3445.547793158074	3414.9027443801945	3420.82400833437474	31.34705483561296	24.72379848210053
226	123	90506	-222441.1413	872917.3170250766	39.26969484749026	-101.5848027	277014.3710091257	4349898.98381052	3582.364046861793	3444.631572458035	3414.685411190158	3420.756141119455	29.92810055645458	23.8573671265798
227	123	90507	-221781.1413	872917.3170250766	39.26970509615034	-101.5824726	277215.4601550706	4349885.932173981	3581.359466687575	3443.6987141339696	3415.2460911555763	3420.8275604797323	22.87181048369952	
228	123	90508	-221121.1413	872917.3170250766	39.26972019854458	-101.5801424	277416.5490812645	4349881.862554892	3583.472478627244	3442.805622005568	3415.851805	3421.0014317126197	26.95487551998116	21.80420547948593
229	123	90509	-220461.1413	872917.3170250766	39.26973255931735	-101.5778123	277617.6378791565	4349879.802124499	3581.359466687575	3441.9359762359327	3414.956974068854	3421.188613	25.4708082978637	20.7473632613251
230	123	90510	-219801.1413	872917.3170250766	39.26975026831174	-101.5754822	277818.726752267	4349874.71882521	3583.696145065637	3441.990313954848	3417.4881723961992	3421.357244813827	23.60274103205208	19.73369914462758
231	123	90511	-219141.1413	872917.3170250766	39.26976815805026	-101.5731823	278019.814340813	4349869.46	3581.359466687575	3441.9359762359327	3414.956974068854	3421.188613	23.60274103205208	19.73369914462758
232	123	90512	-218481.1413	872917.3170250766	39.26978015501076	-101.570822	278220.92059556	4349865.61940555	3580.1386204783294	3439.476828553564	3417.79861802248	3421.6827191159105	20.7360210310829	17.7936378345986
233	123	90513	-217821.1413	872917.3170250766	39.2697953									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHLogsKrg.ft	SatHBoth.ft
315	123	90595	-163701.1413	872917.3170250766	38.709861816735376	-101.3774194	294810.4679562345	4349529.309511226	3435.690914764185	3273.3919049538563	3286.7312711312444	324.3888187136468	110.7315711978516	
316	123	90596	-163001.1413	872917.3170250766	38.72076258046047	-101.3750862	295111.5383	4349525.26542802	3431.573073277404	3274.86281001041594	3283.9505510042495	324.6444805499745	10.942259037344884	
317	123	90597	-162801.1413	872917.3170250766	38.72084655064724	-101.372759	295312.608573587	4349521.221842236	3427.4556991272187	3268.8191556306745	3281.1931172500348	324.9543739683866	11.7503385383792	
318	123	90598	-161721.1413	872917.3170250766	38.72089516071545	-101.3704288	295316.6785273144	4349517.177895058	3423.3380921847406	3290.96203545445	327.0630324173	3278.4640687267439	23.91500522271704	
319	123	90599	-161601.1413	872917.3170250766	38.72090611335686	-101.3680087	295317.748314201	4349513.134046818	3421.133671	3289.012017669635	3264.8765957738015	327.465163929474	24.135421896534012	
320	123	90600	-160401.1413	872917.3170250766	38.7209171707488984	-101.3657685	295319.8179012295	4349509.91070553	3420.842151619267	3263.082802119727	3272.6726087647839	324.985326354478071	14.359326354478071	
321	123	90601	-159741.1413	872917.3170250766	38.720927891611586	-101.3634383	296116.8827873658	4349505.048	3420.5511992559494	3285.031962918043	3258.5382480493095	327.0301739116157	16.500048242494815	
322	123	90602	-159081.1413	872917.3170250766	38.72093886322487	-101.3611081	296317.95647303376	4349501.05046878	3420.2599635829233	3283.7693601059193	3265.4018192022465	326.44003755949023	15.63287300274129	
323	123	90603	-158421.1413	872917.3170250766	38.7209465862726	-101.3587759	296519.025481234	4349496.362303249	3419.75517786378	3281.018404132174	3264.368491181289	324.7897332742403	26.4468685947371	
324	123	90604	-157761.1413	872917.3170250766	38.72095047142318	-101.3564477	296720.04024378444	4349492.91747241	3419.038411531963	3276.99495761263	3252.1272038906323	3262.557650589595	16.963320891549393	
325	123	90605	-157101.1413	872917.3170250766	38.720971208008184	-101.3541175	296921.1628292768	4349489.87739381	3418.31850533605	3276.9614488182945	3250.3120742621923	3260.458378281956	326.6337455610221	
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327	123	90607	-155671.1413	872917.3170250766	38.72099254614971	-101.3495371	297323.2994015325	4349483.9206632	3417.283947517527	3272.83947457159	3246.8028522655956	325.595195790184	17.24430236188505	
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329	123	90609	-154641.1413	872917.3170250766	38.721013704253185	-101.3447968	297725.4317618577	4349472.7094489	3407.847321164999	3268.819594858124	3243.959665455587	325.568931050243744	18.02671413547614	
330	123	90610	-153801.1413	872917.3170250766	38.72102422	-101.342466	297926.5027661193	4349468.68583737	3404.127649150454	3266.585491076573	3241.253890278402	324.8405728596764	18.57319101890855	
331	123	90611	-153141.1413	872917.3170250766	38.721034822326204	-101.3401384	298127.0752657462	4349464.62112257	3404.148701759108	3264.47622706937	3239.426767638886	324.610553329913	24.73965016705185	
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333	123	90613	-151821.1413	872917.3170250766	38.72105548035054	-101.335476	298529.70443305724	4349455.545192517	3391.7262632475232	3260.225415326654	3233.73536860567	324.166548047417	18.55993448	
334	123	90614	-151161.1413	872917.3170250766	38.7210618184946	-101.3331458	298730.7172309078	4349452.5045142295	3381.55105828731	3258.0841598271654	3233.7519693230016	323.870148927608	20.2779777	
335	123	90615	-150501.1413	872917.3170250766	38.721076098338774	-101.3308156	298931.83787334	4349444.46043952	3387.3034262348435	3253.932093026176	3232.05250581671	323.8592801043427	20.12288259179877	
336	123	90616	-149841.1413	872917.3170250766	38.7210863381845	-101.3284854	299132.90423797563	4349438.423720782	3391.09182	3253.7693601715564	3230.75303529276	323.61046657620033	20.045205995312	
337	123	90617	-149281.1413	872917.3170250766	38.72109699940358	-101.3261274	299340.3636582469	4349434.3636582469	3400.623173071776	3258.678197481818	3229.358585811446	323.71857983116678	20.158935049045	
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339	123	90619	-147861.1413	872917.3170250766	38.72111671419917	-101.3214948	299736.256236186	4349432.304	3400.711792489	3242.25022525522	3225.63089970803	3226.334902074675	21.594321551749226	
340	123	90620	-147201.1413	872917.3170250766	38.7211268553995	-101.3191646	299937.167868632	4349428.26436176	3401.0113041577474	3242.03091828952	3223.794410761767	322.6251722746437	21.2836058068051	
341	123	90621	-146541.1413	872917.3170250766	38.7211387207976	-101.3168344	300138.23328439106	4349421.20521709	3401.31082906527	3245.828629268615	3221.6192262119393	321.82265036384894	21.164758789011224	
342	123	90622	-145881.1413	872917.3170250766	38.72114684349216	-101.3145042	300339.2986037513	4349420.1858449945	3401.610353971860116	3245.387186801164	3219.3525795467276	321.34223636476374	21.21113913438874	
343	123	90623	-145221.1413	872917.3170250766	38.721157699940358	-101.312172	300540.3636582469	4349416.146658723	3400.623173071776	3258.678197481818	3229.358585811446	323.71857983116678	20.158935049045	
344	123	90624	-144561.1413	872917.3170250766	38.7211692430731	-101.3094438	300741.4282651915	4349410.3308431	3398.354904902747	3236.022031071	3212.45694090275	326.164560107217	21.92674712883308	
345	123	90625	-143901.1413	872917.3170250766	38.7211767696906	-101.3075136	300942.492958567	4349408.0943026	3393.08389970130	3233.82583475657	3230.9465839237266	326.2058543127614	21.78250291072992	
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347	123	90627	-142581.1413	872917.3170250766	38.7211960254078	-101.3028532	301344.621662222	4349399.99277453	3392.1866181125515	3229.5646040190583	3230.28944448452	324.0143953212525	20.4050957421307	
348	123	90628	-141921.1413	872917.3170250766	38.7212057261289	-101.3005229	301545.685707646	4349393.954724395	3391.20351477983626	3226.3597983626	3198.79200741541	324.59884817541905	28.25334187605788	
349	123	90629	-141261.1413	872917.3170250766	38.72121538316504	-101.2981927	301748.7456582156	4349391.91868963	3390.220411337373	3225.765825679616	3198.767121277788	319.9532500143416	28.880531061892256	
350	123	90630	-140601.1413	872917.3170250766	38.7212249540731	-101.2958425	301947.8132140191	4349387.978195133	3392.327307479818	3222.35173563376	3198.767121277788	319.9532500143416	28.880531061892256	
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352	123	90632	-139281.1413	872917.3170250766	38.7212440261169	-101.2912021	302349.9399	4349379.94062318	3385.701664337129	3217.674832994475	3191.382677400776	318.717304854551	26.292155104308964	
353	123	90633	-138621.1413	872917.3170250766	38.7212535647423	-101.2888719	302551.0030151203	4349375.76928125	3383.973622107892	3215.33371778445	3188.630127395219	318.717304854551	26.292155104308964	
354	123	90634	-137961.1413	872917.3170250766	38.7212628977654	-101.2865417	302762.0658940746	4349371.73035792	3381.642875803193	3212.980327058523	3185.797658767414	318.717304854551	26.292155104308964	
355	123	90635	-137301.1413	872917.3170250766	38.72127237606882	-101.2842115	302963.128793103	4349367.68916196	3379.436277776515	3213.8162471600765	3177.566586763825	317.5453077077973	30.763301332954	
356	123	90636	-136641.1413	872917.3170250766	38.72128171735106	-101.2818183	303154.19107105804	4349365.567069189	3377.0542421338962	3208.243492191946	3180.170714776493	317.5453077077973	30.763301332954	
357	123	90637	-135981.1413	872917.3170250766	38.7212916936234	-101.279525	303366.1547848024	4349363.58430947	3372.28942250554	3203.16825955959	3177.566586763825	317.5453077077973	30.763301332954	
358	123	90638	-135321.1413	872917.3170250766	38.72130162048534	-101.2772209	303556.3154784802	4349361.58430947	3372.28942250554	3203.16825955959	3177.566586763825	317.5453077077973	30.763301332954	
359	123	90639	-134661.1413	872917.3170250766	38.721309471137336	-101.2748906	303757.377873274	4349351.54853116	3370.534699144416	3201.607196873494	3172.6131038372578	316.1867074	24.54096010136254	
360	123	90640	-134001.1413	872917.3170250766	38.721318632379256	-101.2725604	303958.4910718383	4349343.51724806	3369.404356681122	3198.65857568012	3169.96443415568	316.1867074	24.54096010136254	
361	123	90641	-133341.1413	872917.3170250766	38.72132774861101	-101.2702302	304159.5006335248	4349334.47130001	3368.275164537833	3196.245251328639	3167.3253367549444	316.1867074	24.54096010136254	
362	123	90642	-132681.1413	872917.3170250766	38.72133681963205	-101.2679	304360.5619659598	4349334.41704498	3367.145957223455					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgr.ft	SatHtKgrs.ft	SatHtBoth.ft
441	123	90721	-80541.14133	872917.3170250766	39.271911212947074	-101.0838115	320243.8176695804	4349021.235	3181.2497757097826	39.3515439128632	2929.59198003329	2940.004304215403	89.7596388	79.3475099746028
442	123	90722	-79881.14133	872917.3170250766	39.27191668330825	-101.081482	320444.8681875478	434901.714479091	3147.489936510225	39.3710720283456	2918.6358432591273	2928.453781269528	89.73371020432854	89.25333901382696
443	123	90723	-79221.14133	872917.3170250766	39.27192109569768	-101.078151	320645.9162865412	434899.31942151628	3173.38383085473	39.36182415899366	2930.634213843613078	2934.634213843613078	89.73453806836391	81.70127238649332
444	123	90724	-78561.14133	872917.3170250766	39.2719274889974	-101.076827	320846.9586696915	434900.174717795	3107.808840517027	39.341482982521864	2933.5251821377254	2944.5617117327854	81.95911611443398	79.37121651040097
445	123	90725	-77901.14133	872917.3170250766	39.271932824324075	-101.0744905	321048.0208829394	434900.154247385	3107.6800562547277	39.3290753865706	2944.4496648000068	2948.315867169793	81.66790906569937	89.8198669773332
446	123	90726	-77241.14133	872917.3170250766	39.271938114640086	-101.0721602	321249.0408944415	434900.1354343821	3107.472719924397	39.3140489843178	2948.290453157444	2948.271018697562	81.6644528	81.6644528
447	123	90727	-76581.14133	872917.3170250766	39.27194335994483	-101.0698299	321450.0946465478	434899.7115	3171.3241799661328	39.300926853381196	2942.820412	2946.44158618427	81.70001713374629	81.6644528
448	123	90728	-75921.14133	872917.3170250766	39.2719485023822	-101.0674997	321651.1402136153	434899.05697151	3173.3587801758063	39.308324848752756	2936.5326437631184	2945.9253758194737	81.70020489863746	81.6644528
449	123	90729	-75261.14133	872917.3170250766	39.27195371552031	-101.0651849	321852.1850625254	434898.765542828	3175.38383085473	39.30549492	2930.4189518210865	2946.048918911386	81.70020489863746	81.6644528
450	123	90730	-74601.14133	872917.3170250766	39.27195892579106	-101.0628392	322063.2326426592	434898.057697704	3177.4279605591537	39.3005380115769954	2932.648409204565	2945.59621028279	81.70020489863746	81.6644528
451	123	90731	-73941.14133	872917.3170250766	39.27196389105044	-101.0605089	322254.2758694049	434898.103828165	3177.156306208213	39.300340577887712	2932.693826856484	2945.29028020261	81.70020489863746	81.6644528
452	123	90732	-73281.14133	872917.3170250766	39.27196981129848	-101.0581787	322455.3027396134	434897.025424105	3174.57839	39.3002522597525893	2924.3194372729076	2927.8450523754905	81.70020489863746	81.6644528
453	123	90733	-72621.14133	872917.3170250766	39.2719738865136	-101.0558484	322656.3564356583	434897.001849428	3172.00041804107	39.300126670698805	2925.915263473336	2927.8450523754905	81.70020489863746	81.6644528
454	123	90734	-71961.14133	872917.3170250766	39.27197881676048	-101.0535182	322857.4096901154	434896.93840213	3169.422464425754	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
455	123	90735	-71301.14133	872917.3170250766	39.27198371974408	-101.0511879	323058.454104808	434896.965671753	3167.633986872782	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
456	123	90736	-70641.14133	872917.3170250766	39.27198854217691	-101.048857	323259.4984878004	434896.94762039	3166.646209	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
457	123	90737	-69981.14133	872917.3170250766	39.2719933736803	-101.0465274	323460.5468748024	434896.9313066	3165.6621027100824	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
458	123	90738	-69321.14133	872917.3170250766	39.27199808754774	-101.0441971	323661.58632432844	434896.921670826	3164.66783451843	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
459	123	90739	-68661.14133	872917.3170250766	39.27200279271838	-101.0418669	323862.6300838105	434896.8953372	3163.1866041684366	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
460	123	90740	-68001.14133	872917.3170250766	39.27201745287522	-101.0395366	324063.673712559	434894.87303414	3161.21433	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
461	123	90741	-67341.14133	872917.3170250766	39.272027021	-101.0372064	324264.718686887	434894.861402185	3159.2420567043473	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
462	123	90742	-66681.14133	872917.3170250766	39.2720361354575	-101.0348761	324465.70303522	434894.844687029	3157.2627022943473	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
463	123	90743	-66021.14133	872917.3170250766	39.2720452382205	-101.032516	324666.72437061	434894.827986165	3155.284381873	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
464	123	90744	-65361.14133	872917.3170250766	39.272054338809	-101.0302156	324867.8458031963	434894.811615304	3153.4576910500535	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
465	123	90745	-64701.14133	872917.3170250766	39.27206300784766	-101.0278853	325068.9468247854	434894.79699605	3151.105889	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
466	123	90746	-64041.14133	872917.3170250766	39.27207246857574	-101.025551	325269.9308914293	434894.779921064	3149.634770652574	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
467	123	90747	-63381.14133	872917.3170250766	39.27208138135234	-101.0232248	325470.971793225	434894.76154017	3147.6910161906326	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
468	123	90748	-62721.14133	872917.3170250766	39.27204317711705	-101.020846	325672.0152966213	434894.748314894	3136.274576708038	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
469	123	90749	-62061.14133	872917.3170250766	39.272052438771946	-101.018456	325873.0572437076	434894.735087155	3134.434517225884	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
470	123	90750	-61401.14133	872917.3170250766	39.27206162579106	-101.016234	326074.097026038	434894.722871348	3132.441189	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
471	123	90751	-60741.14133	872917.3170250766	39.272070554384363	-101.0139038	326275.1620775714	434894.705804633	3130.642961113245	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
472	123	90752	-60081.14133	872917.3170250766	39.27207958386264	-101.0115735	326476.1820648031	434894.68779952	3128.461927336838	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
473	123	90753	-59421.14133	872917.3170250766	39.27208833887014	-101.0092433	326677.2233250787	434894.671375111	3126.28085360037	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
474	123	90754	-58761.14133	872917.3170250766	39.2720979886606	-101.006913	326878.264310018	434894.65681968	3124.099587940244	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
475	123	90755	-58101.14133	872917.3170250766	39.2720979886606	-101.0045827	327079.305630529	434894.644372819	3122.78441317058	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
476	123	90756	-57441.14133	872917.3170250766	39.2721073282205	-101.0022516	327280.34617906	434894.63286165	3120.4719817244336	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
477	123	90757	-56781.14133	872917.3170250766	39.2720787887454	-100.9999227	327481.3887124908	434894.62087616	3118.384896	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
478	123	90758	-56121.14133	872917.3170250766	39.272087363734216	-100.9975919	327682.4271373505	434894.60925149	3116.34383725555	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
479	123	90759	-55461.14133	872917.3170250766	39.2720874	-100.9952617	327883.467390665	434894.59802386	3114.07326138374	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
480	123	90760	-54801.14133	872917.3170250766	39.27209120359881	-100.9929314	328084.5074775752	434894.586571785	3112.441556218723	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
481	123	90761	-54141.14133	872917.3170250766	39.27209481851375	-100.9906012	328285.544	434894.5756515	3110.25667695126	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
482	123	90762	-53481.14133	872917.3170250766	39.2720985841704	-100.9883704	328486.587471912	434894.56439178	3108.25334142805	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
483	123	90763	-52821.14133	872917.3170250766	39.2721073282205	-100.986104	328687.626817453	434894.55311958	3106.25045195918	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
484	123	90764	-52161.14133	872917.3170250766	39.2721073318881	-100.9838704	328888.661484039	434894.5420316692	3104.2550572057378	39.3001266711645495	2926.627611645495	2926.627611645495	81.70020489863746	81.6644528
485	123	90765	-51501.14133	872917.3170250766	39.2721073282205	-100.9812801	329089.705979609	434894.5311743115	3102.25334142805	39.3001266711645495	2926.627611645495</			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLog.f	SatHtBoth.f
567	123	90847	2618.8586730733514	872917.3170250766	39.272246012237396	-100.790198	4455473.705977611	14348516.126905026	2994.4200146570565	288.4456875978946	2811.4586119725866	76.1237136203087	76.62736470650261
568	123	90848	2738.8586730733514	872917.3170250766	39.2724581112572	-100.787867	34575.701401190324	14348512.129362528	2992.752915765882	2886.851101601657	2810.339264876567	76.5139752329133	76.5917692103268
569	123	90849	3038.8586730733514	872917.3170250766	39.27244314301169	-100.771558	34762.57699992144	14348504.133146032	2995.237786186271	2885.237786186271	2810.339264876567	76.40280286	76.5913589894194
570	123	90850	4598.858673073351	872917.3170250766	39.272457386671	-100.7832071	34717.45203423274	14348505.955623235	2988.59799995024	2807.5627099445587	2810.339264876567	76.5032009494766	76.9650446027098
571	123	90851	5258.858673073351	872917.3170250766	39.2724483771934	-100.7808769	34637.8478592334	14348500.14030217	2986.81113051814	2808.136626804014	2806.090922	76.5382047646168	75.8783470766615
572	123	90852	5918.858673073351	872917.3170250766	39.2724455660125	-100.7785466	34657.950409271	14348496.14300082	2985.237786186271	2880.236418030455	2804.883847637272	76.430032673273	75.4350714242915
573	123	90853	6478.858673073351	872917.3170250766	39.27244130389005	-100.7762163	34670.5294343893	14348492.14785515	2979.681270107286	2878.5097379340864	2803.3897891967	74.7558741481926	74.8756376690167
574	123	90854	7238.858673073351	872917.3170250766	39.2724365920598	-100.773886	34691.5546460827	14348491.11599006	2976.7490815287188	2803.38948506615	2803.245349103963	74.602130226772	73.5037324475598
575	123	90855	7698.858673073351	872917.3170250766	39.2724365920598	-100.773886	34691.5546460827	14348491.11599006	2976.7490815287188	2803.38948506615	2803.245349103963	74.602130226772	73.5037324475598
576	123	90856	8558.858673073351	872917.3170250766	39.27242581804335	-100.769225	34718.5699992144	14348490.16584164	2975.685456323503	2801.578758245683	2801.578758245683	73.1904129142185	73.87357480289476
577	123	90857	9218.858673073351	872917.3170250766	39.2724197555566	-100.7668952	34758.6293003218	14348489.16054165	2974.9104678	2801.578758245683	2801.578758245683	73.0756742825238	73.3604954361722
578	123	90858	9788.858673073351	872917.3170250766	39.2724130435511	-100.764565	34778.5639170125	14348474.170426415	2969.7842970	2806.5292687072	275.68883164972078	73.79374319	73.4646491236117
579	123	90859	10538.858673073351	872917.3170250766	39.27240628112684	-100.762347	34798.67342331827	14348467.15974382	2967.975851573904	2807.374393538884	2794.9239213884484	73.79374319	73.4646491236117
580	123	90860	11198.858673073351	872917.3170250766	39.272239868535	-100.7599044	34817.7027459687	14348464.18074504	2965.62001688231	2865.384157133615	2793.288191529463	73.79374319	73.4646491236117
581	123	90861	11858.858673073351	872917.3170250766	39.272239868535	-100.7599044	34817.7027459687	14348464.18074504	2965.62001688231	2865.384157133615	2793.288191529463	73.79374319	73.4646491236117
582	123	90862	12518.858673073351	872917.3170250766	39.272239868535	-100.7599044	34817.7027459687	14348464.18074504	2965.62001688231	2865.384157133615	2793.288191529463	73.79374319	73.4646491236117
583	123	90863	13178.858673073351	872917.3170250766	39.272239868535	-100.7599044	34817.7027459687	14348464.18074504	2965.62001688231	2865.384157133615	2793.288191529463	73.79374319	73.4646491236117
584	123	90864	13838.858673073351	872917.3170250766	39.27223647172236	-100.7505833	34891.785827642	14348468.196363579	2962.954411439395	2857.0524637054928	2783.061726068266	73.0320247372263	70.8810713072352
585	123	90865	14498.858673073351	872917.3170250766	39.27223550540866	-100.748253	34919.8210270532	14348444.21	2965.08788	2854.86120624724	2779.914093873838	73.0320247372263	70.8810713072352
586	123	90866	15158.858673073351	872917.3170250766	39.27223440408312	-100.7459228	34939.3455393848	14348406.2193521	2962.954411439395	2857.0524637054928	2783.061726068266	73.0320247372263	70.8810713072352
587	123	90867	15818.858673073351	872917.3170250766	39.27223440408312	-100.7459228	34939.3455393848	14348406.2193521	2962.954411439395	2857.0524637054928	2783.061726068266	73.0320247372263	70.8810713072352
588	123	90868	16478.858673073351	872917.3170250766	39.2722333635969	-100.7412622	34959.682064215	14348372.24989972	2961.919535781829	2856.23365918981	2791.3976400741662	73.0320247372263	70.8810713072352
589	123	90869	17138.858673073351	872917.3170250766	39.2722333635969	-100.7412622	34959.682064215	14348372.24989972	2961.919535781829	2856.23365918981	2791.3976400741662	73.0320247372263	70.8810713072352
590	123	90870	17798.858673073351	872917.3170250766	39.2722298956161	-100.7366017	35019.737095946	14348424.53430035	2953.40418490979	2843.62453341876	2760.906570002795	73.0320247372263	70.8810713072352
591	123	90871	18458.858673073351	872917.3170250766	39.27222876227669	-100.7342714	35038.9606136317	14348420.251	2946.074507	2841.60496382207	2755.53830650933	73.0320247372263	70.8810713072352
592	123	90872	19118.858673073351	872917.3170250766	39.27221748087934	-100.7319411	35059.9837121644	14348416.258134255	2936.690426158	2838.967225	2749.251096947428	73.0320247372263	70.8810713072352
593	123	90873	19778.858673073351	872917.3170250766	39.2722165447131	-100.7296109	35080.0010558598	14348412.26584462	2925.26580775496	2836.613207704275	2742.3362701514834	73.0320247372263	70.8810713072352
594	123	90874	20438.858673073351	872917.3170250766	39.272234730305845	-100.7272086	35102.0278546015	14348408.27384019	2914.858117624474	2834.242346410018	2738.234707195887	73.0320247372263	70.8810713072352
595	123	90875	21098.858673073351	872917.3170250766	39.2722333635969	-100.7258913	351203.2498790114	14348396.258134255	2908.02632819916	2831.85458914974	2736.040720091496	73.0320247372263	70.8810713072352
596	123	90876	21758.858673073351	872917.3170250766	39.2722195057437	-100.720271	351404.0719055034	14348400.29010828	2904.913594787511	2834.650347973679	2734.650347973679	73.0320247372263	70.8810713072352
597	123	90877	22418.858673073351	872917.3170250766	39.2722188718346	-100.7202898	351605.0937949976	14348396.258134255	2901.520087213675	2834.650347973679	2734.650347973679	73.0320247372263	70.8810713072352
598	123	90878	23078.858673073351	872917.3170250766	39.2722188718346	-100.7202898	351605.0937949976	14348396.258134255	2901.520087213675	2834.650347973679	2734.650347973679	73.0320247372263	70.8810713072352
599	123	90879	23738.858673073351	872917.3170250766	39.2722175	-100.7156292	35200.7710353657	14348396.258134255	2892.715780493174	2822.904198073073	2753.1377026932	73.0320247372263	70.8810713072352
600	123	90880	24398.858673073351	872917.3170250766	39.27221560927928	-100.713299	352208.158440029	14348394.349271217	2908.30561427228	2819.756430990351	2754.1758812496005	73.0320247372263	70.8810713072352
601	123	90881	25058.858673073351	872917.3170250766	39.2722139227799	-100.709887	352488.17970175424	14348390.34520478	2907.0834155128946	2819.756430990351	2754.1758812496005	73.0320247372263	70.8810713072352
602	123	90882	25718.858673073351	872917.3170250766	39.2722139227799	-100.709887	352488.17970175424	14348390.34520478	2907.0834155128946	2819.756430990351	2754.1758812496005	73.0320247372263	70.8810713072352
603	123	90883	26378.858673073351	872917.3170250766	39.2722139227799	-100.709887	352488.17970175424	14348390.34520478	2907.0834155128946	2819.756430990351	2754.1758812496005	73.0320247372263	70.8810713072352
604	123	90884	27038.858673073351	872917.3170250766	39.27220893194554	-100.7039779	353012.2426287096	14348364.3620291	2902.521442375857	2810.026715283577	2755.3319354955	73.0320247372263	70.8810713072352
605	123	90885	27698.858673073351	872917.3170250766	39.27220763	-100.7016476	353213.3137914717	14348364.3620291	2902.521442375857	2810.026715283577	2755.3319354955	73.0320247372263	70.8810713072352
606	123	90886	28358.858673073351	872917.3170250766	39.27220841508173	-100.6993173	353414.2836731935	14348360.38281271	2907.148483	2805.202117628333	2755.3319354955	73.0320247372263	70.8810713072352
607	123	90887	29018.858673073351	872917.3170250766	39.27221028585743	-100.6969871	353615.304724296	14348356.39284829	2908.2862690575	2802.826165	2755.118047243153	73.0320247372263	70.8810713072352
608	123	90888	29678.858673073351	872917.3170250766	39.27220893194554	-100.6949653	353816.3455780368	14348352.40347658	2907.148483	2805.202117628333	2755.3319354955	73.0320247372263	70.8810713072352
609	123	90889	30338.858673073351	872917.3170250766	39.27221028585743	-100.6969871	353615.304724296	14348356.39284829	2908.2862690575	2802.826165	2755.118047243153	73.0320247372263	70.8810713072352
610	123	90890	30998.858673073351	872917.3170250766	39.27219671871372	-100.6894638	354124.3646414473	14348350.4347028	2918.62502511706	2795.813130451581	2747.00189941704	73.0320247372263	70.8810713072352
611	123	90891	31658.858673073351	872917.3170250766	39.27219450489222	-100.687666	354419.384813558	14348340.43779642	2918.62502511706	2795.813130451581	2747.00189941704	73.0320247372263	70.8810713072352
612	123	90892	32318.858673073351	872917.3170250766	39.27219240045892	-100.6853357	354620.4104023354	14348336.44668466	2918.62502511706	2795.813130451581	2747.00189941704	73.0320247372263	70.8810713072352
613	123	90893	32978.858673073351	872917.3170250766	39.27219013813826	-100.6830055	354821.4237382775	14348336.44668466	2918.62502511706	2795.813130451581	2747.00189941704	73.0320247372263	70.8810713072352

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BR ElevLogsKrg.f	BR ElevBothKrg.f	SatHLogs.f	SatHBoth.f	
693	123	90973	85778.85867307335	872917.3170250766	36.27186620542827	-100.4965846	470702.55042195146	4380.13968757514	2790.5482875675534	2674.498134772491	2631.322634596628	2622.4812824385062	61.1750017586291	52.016852339484
694	123	90974	85784.85867307335	872917.3170250766	36.271860319154962	-100.4942544	470131.5592526922	4380.09512712704	2793.573473759075	2673.077641895931	2611.9800847061224	2618.5502254803105	61.10974718908768	54.52761641562074
695	123	90975	85789.85867307335	872917.3170250766	36.27186441	-100.4931241	471304.667993934	4380.0219189891	2794.182718093546	2673.967328385446	2609.423838501197	2622.328849482485	62.2386933802365	55.8248033802365
696	123	90976	85789.85867307335	872917.3170250766	36.271864451759446	-100.4895439	471505.576522584	4380.00204842368	2797.3104065902769	2670.265697026097	2605.8236116004746	2607.3307134034026	62.3306249225212	56.932661559657114
697	123	90977	85818.85867307335	872917.3170250766	36.27186424414754	-100.4872366	471706.585	4379.0763746272	2804.462650111167	2668.8735667949313	2601.277617461046	2601.880380132114	67.595493388535	66.9931861171992
698	123	90978	858078.85867307335	872917.3170250766	36.27183639152452	-100.4849334	471907.5933373017	4379.4994.102	2809.6149033025757	2667.4900303176597	2596.406295988345	2596.2505425777385	71.04000073	71.2400503872331
699	123	90979	857838.85867307335	872917.3170250766	36.2718302389039	-100.4826031	472108.6015488803	4379.129744938	2812.057862616887	2666.115594127194	2593.162808878747	2592.668079	72.952785267573	73.44751466025074
700	123	90980	90398.85867307335	872917.3170250766	36.271824511245134	-100.4802729	472309.6096345877	4379.152722777	2813.20170957027	2664.749051914357	2593.471438496813	2592.963771261307	71.7777006642826	71.7853748828236
701	123	90981	91058.85867307335	872917.3170250766	36.271817985368816	-100.4779426	472510.61760621745	4379.18489763	2813.634555933527	2663.39019868685	2593.4522716500238	2594.5422716500238	68.3373268996303	68.34862368996303
702	123	90982	91718.85867307335	872917.3170250766	36.27181710302139	-100.4756124	472711.6254503685	4379.78.213	42.12004761975634	2662.04894206533	2596.913209861173	2596.45015825255	65.152480344695	65.152480344695
703	123	90983	92378.85867307335	872917.3170250766	36.27180545324292	-100.4738282	472912.633171169	4379.4792470270625	2812.305175726734	2660.893373	2598.38293942757	2598.38293942757	62.3041334986435	62.3041334986435
704	123	90984	90398.85867307335	872917.3170250766	36.27179913505338	-100.4709519	473113.6407716689	4379.4707.2886874	2807.5140680598	2658.354250766695	2600.03935100655	2600.390108460638	59.51915666314595	59.51915666314595
705	123	90985	90398.85867307335	872917.3170250766	36.271792762852805	-100.4686217	473314.648249273	4379.4696.29738954	2803.529277703761	2612.310527753545	2601.2851197123715	2601.2851197123715	66.99952492840639	66.99952492840639
706	123	90986	94358.85867307335	872917.3170250766	36.27178630141119	-100.4662214	473515.655069476	4379.352975019	2799.318195462038	2656.681969730528	2602.440437517419	2602.440437517419	65.25414321239391	65.25414321239391
707	123	90987	94018.85867307335	872917.3170250766	36.27177989241858	-100.463912	473713.6626391848	4379.4568.5475677	2813.7078866683	2656.6774529739114	2603.2713288203754	2603.2713288203754	52.0964167487388	52.0964167487388
708	123	90988	96678.85867307335	872917.3170250766	36.27177336934945	-100.4616309	473917.66995199224	4379.4754.38370013	2798.07369511729	2654.04795048138	2604.25179573458	2604.129251938374	49.7961591458797	49.7961591458797
709	123	90989	96398.85867307335	872917.3170250766	36.2717664194031	-100.4593007	474118.6764362596	4379.4750.413	2778.8401974167746	2652.732427606377	2606.320648455981	2605.944979368246	46.783296654906	46.783296654906
710	123	90990	96398.85867307335	872917.3170250766	36.27176024918471	-100.4569705	474319.6838142909	4379.474624165092	2801.6715758112	2651.421248990734	2609.870815	2609.870815	41.5530410565343	41.5530410565343
711	123	90991	97658.85867307335	872917.3170250766	36.27175361181813	-100.4546402	474520.696641918	4379.479417.670414	2768.77773065502	2650.114685098606	2615.9622911473375	2615.9622911473375	34.1523939225360	34.1523939225360
712	123	90992	98318.85867307335	872917.3170250766	36.27174693	-100.45231	474721.6791953213	4379.4830.50136742	2808.81192525557	2648.81392525557	2624.3822698749	2624.3822698749	22.9995526115304	22.9995526115304
713	123	90993	98978.85867307335	872917.3170250766	36.27174028052115	-100.4499797	474922.7032051965	4379.48313245485	2771.958725470151	2647.573478885094	2627.540873579624	2629.33198030762	19.9847431054702	18.18414895772334
714	123	90994	98978.85867307335	872917.3170250766	36.27173342805271	-100.447495	475123.710913536	4379.4930.56130816	2775.545021677434	2646.27580626813	2618.915748423716	2618.915748423716	26.3484317799147	25.1074210249873
715	123	90995	100598.85867307335	872917.3170250766	36.27172691028817	-100.445027	475324.716	4379.5027.478	2782.326829951729	2644.93244079287	2618.915748423716	2618.915748423716	57.334862368996303	57.334862368996303
716	123	90996	100598.85867307335	872917.3170250766	36.2717197471471	-100.442989	475525.7226	4379.51621984641	2785.97970570201	2643.665338343612	2602.660078899407	2602.94211299337	41.00527497370058	40.7490245400752
717	123	90997	101618.85867307335	872917.3170250766	36.2717128358557	-100.4406588	475756.728839255	4379.52662009935	2793.736491401245	2642.392492462866	2596.51426124225	2596.517796	45.8206327046625	45.8206327046625
718	123	90998	102238.85867307335	872917.3170250766	36.27170586742545	-100.4383285	475927.7345420703	4379.4784.6340127	2801.493325022887	2641.1145592772923	2591.48849416998	2591.5095823027514	46.0947969249039	46.0947969249039
719	123	90999	102938.85867307335	872917.3170250766	36.2716888888885	-100.4359983	476128.74030436224	4379.4791.13428621	2802.976450182667	2639.7341587161425	2587.106982217496	2587.106982217496	52.6291604393764	52.6291604393764
720	123	10000	103598.85867307335	872917.3170250766	36.27168194602389	-100.433681	476329.7640125956	4379.4796.74555577	2798.185906	2638.343965632503	2583.225224561283	2583.2097451640984	55.1186256965224	55.1186256965224
721	123	10001	104258.85867307335	872917.3170250766	36.27167338914831	-100.431378	476530.751568175	4379.4830.6129044	2793.383614260443	2638.362216692617	2579.638211688547	2579.638211688547	57.334862368996303	57.334862368996303
722	123	10002	104918.85867307335	872917.3170250766	36.27167170252818	-100.429659	476717.750711152	4379.4808.50481127	2786.604948127	2638.362216692617	2579.638211688547	2579.638211688547	52.6291604393764	52.6291604393764
723	123	10003	105578.85867307335	872917.3170250766	36.27167047346345	-100.426673	476932.7623178116	4379.4894.8017081	2784.500351482916	2634.2293791089114	2573.54409944013	2573.54409944013	60.679966750843	60.7230268251814
724	123	10004	106238.85867307335	872917.3170250766	36.2716632445664	-100.4243471	477137.7651640346	4379.4879.0728724	2781.081057879612	2632.87679831161	2571.34225968815	2571.34225968815	61.212013662014	61.212013662014
725	123	10005	106898.85867307335	872917.3170250766	36.271655956373	-100.4220169	477334.772597058	4379.4886.90416991	2776.619980330525	2631.5300478878653	2569.727874	2569.727872766	60.03736649515	61.80816113135835
726	123	10006	107558.85867307335	872917.3170250766	36.27164486436022	-100.419686	477536.7735.7776	4379.4882.934646125	2774.224973091265	2630.18910079283	2569.1842633109327	2569.2041604136421	60.0491671705049	60.9847766367197
727	123	10007	108218.85867307335	872917.3170250766	36.2716412556678	-100.417364	477736.78240561594	4379.4786.96808667	2771.183907127013	2628.83084881575	2568.74024	2568.419392764938	59.4280368735708	59.43309368932386
728	123	10008	108798.85867307335	872917.3170250766	36.27163891759534	-100.415027	477936.78240561594	4379.4786.96808667	2771.183907127013	2628.83084881575	2568.74024	2568.419392764938	59.4280368735708	59.43309368932386
729	123	10009	109558.85867307335	872917.3170250766	36.27162643745498	-100.4126595	478178.7917498876	4379.4783.03480942	2768.756536315881	2626.19969375027	2570.916588149539	2570.916588149539	55.194428831437	55.194428831437
730	123	10010	110198.85867307335	872917.3170250766	36.27161894178245	-100.4103657	478339.7962396274	4379.4786.9734654	2763.085306194343	2624.8831795283527	2571.961094	2572.150114409931	52.9220859190272	52.73306574349585
731	123	10011	110858.85867307335	872917.3170250766	36.271611407399206	-100.4080355	478530.7860166673	4379.4831.0095273	2761.21269103993	2623.567045798814	2573.0196832860247	2573.0196832860247	50.36125740833404	50.36125740833404
732	123	10012	111158.85867307335	872917.3170250766	36.27161038005296	-100.4057052	478741.8049	4379.4859.13397518	2760.16413571662	2622.249248	2572.044060670025	2573.952545586122	48.845161478127469	48.29670195900785
733	123	10013	112178.85867307335	872917.3170250766	36.27159619	-100.403375	478942.890028854	4379.4855.176419845	2759.115577996040	2620.928904	2572.044060670025	2573.952545586122	48.845161478127469	48.29670195900785
734	123	10014	112838.85867307335	872917.3170250766	36.27158851978544	-100.4014408	479134.81305170053	4379.4851.20139128	2758.067021939537	2619.604103121834	2570.029251957977	2570.029251957977	49.54785113695715	49.54785113695715
735	123	10015	113438.85867307335	872917.3170250766	36.2715793091759534	-100.3996433	479336.78240561594	4379.4851.20139128	2758.067021939537	2619.604103121834	2570.029251957977	2570.029251957977	52.6291604393764	52.6291604393764
736	123	10016	114158.85867307335	872917.3170250766	36.2715									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevLogsKrg	BR/ElevBothKrg	SatfthLogsK	SatfthBoth
79	124	91009	-319461.1413	87357.37170250766	39.26878628482816	-101.9273448	247455.86093355255	4350890.262297072	3843.2040771792584	3555.719690190495	3582.060493896166	3591.5458165884437	73.5854663	64.1701363205133
80	124	91100	-318801.1413	87357.37170250766	39.26880806	-101.9250148	247561.86093355255	4350896.1734303395	3840.3734770044746	3653.564270343954	3579.236852903356	3597.90073596152124	74.3273703435377	61.656696676476934
81	124	91011	-319181.1413	87357.37170250766	39.26882978075474	-101.9226848	247658.16785117292	4350892.264798774	3837.1427176382781	3651.3827837142527	3579.366812763654	3589.888324875374	75.020911242	61.64687676567911
82	124	91102	-317481.1413	87357.37170250766	39.26885145	-101.9203548	248059.23063531864	4350777.996332467	3834.7122738634063	3649.1852626146063	3573.543472530916	3595.474227261789	75.6420002369032	53.7112059087044
83	124	91103	-316821.1413	87357.37170250766	39.26887306301411	-101.9180248	248260.35339696056	4350673.9080590595	3832.05419963627	3646.95838284957	3570.9754255963967	3582.96688643916	75.9826968840243	59.3925757365093
84	124	91104	-316161.1413	87357.37170250766	39.2688946663903	-101.9156948	248461.475855361	4350669.919074999	3830.7405841659988	3648.859022450245	3579.711957625701	3584.961207097209	76.4932554029781	64.932554029781
85	124	91105	-315501.1413	87357.37170250766	39.268916205260716	-101.9133648	248662.5980915991	4350665.724437327	3827.0831049331473	3642.4263953384952	3567.498532284156	3573.931700277544	74.92766011007661	68.508490609508
86	124	91106	-314841.1413	87357.37170250766	39.2689379889799	-101.9110348	248863.720789254	4350661.604973928	3824.1057915405232	3647.1585510465232	3567.1585510465232	3573.931700277544	76.1883241705961	69.4839545208871
87	124	91107	-314181.1413	87357.37170250766	39.26895914768414	-101.9087496	249064.8418	4350657.558687998	3822.1057476382781	3647.707999892897	3567.91627284219	3573.931700277544	76.37047705026816	69.87047705026816
88	124	91108	-313521.1413	87357.37170250766	39.2689805110584	-101.9065748	249265.9633781854	4350653.469531714	3819.607352711774	3635.4269230118	3569.7930432348422	3570.965505203075	76.6401599047035	74.4601599047035
89	124	91109	-312861.1413	87357.37170250766	39.26900109711007	-101.9040448	249467.0845457512	4350649.382	3817.100536191504	3633.053848597053	3572.1431290118153	3574.1827167911493	76.80927558327865	85.25370763633894
90	124	91110	-312201.1413	87357.37170250766	39.2690223231889	-101.9017148	249668.20554362625	4350645.256448694	3814.611437	3630.617830444467	3569.690348095592	3581.838097345766	76.824882385494	84.778030108709
91	124	91111	-311541.1413	87357.37170250766	39.269044469192027	-101.8993848	249869.3262896371	4350641.208691706	3813.238955414265	3628.171694792734	3568.8915495449037	3583.02595009144	76.824882385494	84.778030108709
92	124	91112	-310881.1413	87357.37170250766	39.269065715518096	-101.8970548	250070.4647879934	4350637.121244099	3813.144791118626	3625.6829853011	3564.906212494155	3582.9667755238	76.824882385494	84.778030108709
93	124	91113	-310221.1413	87357.37170250766	39.2690878894112334	-101.8947247	250271.56730890022	4350633.05748793	3812.9997268198847	3623.200515724795	3563.9182074843064	3573.0968260394104	76.824882385494	84.778030108709
94	124	91114	-309561.1413	87357.37170250766	39.269108027702956	-101.8923347	250472.6870425624	4350628.949558813	3812.8548625213494	3620.481861	3562.421158025054	3570.35338598916	76.824882385494	84.778030108709
95	124	91115	-308901.1413	87357.37170250766	39.26912916289925	-101.8900047	250673.8067991858	4350624.8635602	3812.48434383143	3618.1842344097552	3560.4209471873373	3568.42289621447	76.824882385494	84.778030108709
96	124	91116	-308241.1413	87357.37170250766	39.26915015987319	-101.8877347	250874.9263087628	4350620.77751971	3819.311222403463	3616.7403884032	3557.51387872134	3566.667171919187	76.824882385494	84.778030108709
97	124	91117	-307581.1413	87357.37170250766	39.2691715845276	-101.8854047	251076.0455713534	4350616.992133018	3818.626044255954	3613.069090719605	3554.0522460096838	3563.4897152240123	76.824882385494	84.778030108709
98	124	91118	-306921.1413	87357.37170250766	39.26919112028556	-101.8830747	251277.1645887325	4350612.606730714	3823.01676448822	3610.546801824556	3550.3660362232225	3551.409451275147	76.824882385494	84.778030108709
99	124	91119	-306261.1413	87357.37170250766	39.26921302060255	-101.8807446	251547.2833993034	4350608.521	3829.78297740406	3608.067130859205	3545.2167057161265	3546.6473923780904	76.824882385494	84.778030108709
100	124	91120	-305601.1413	87357.37170250766	39.2692338416886	-101.8784146	251879.40188300904	4350604.436414021	3826.952847296124	3605.6740849105	3540.620305405763	3542.70017166665	76.824882385494	84.778030108709
101	124	91121	-304941.1413	87357.37170250766	39.2692546839445	-101.8761042	252187.2468432794	4350597.946832994	3824.1427176382781	3603.428737898027	3538.76826284219	3540.620305405763	76.824882385494	84.778030108709
102	124	91122	-304281.1413	87357.37170250766	39.26927548	-101.8737546	252081.6135956928	4350596.268280137	3822.32258707043	3601.3828455147	3537.208211652947	3531.333575118403	76.824882385494	84.778030108709
103	124	91123	-303621.1413	87357.37170250766	39.26929620484555	-101.8714245	252282.7589834005	4350592.18240671	3825.093546227398	3599.5393868216065	3535.7825200109252	3532.220310472247	76.824882385494	84.778030108709
104	124	91124	-302961.1413	87357.37170250766	39.2693168840186	-101.8690945	252483.873259103	4350588.08111005	3821.4555838168476	3597.8455337091646	3534.18394533447	3532.04184108455	76.824882385494	84.778030108709
105	124	91125	-302301.1413	87357.37170250766	39.26933732695017	-101.8667645	252684.9902343513	4350584.01008146	3817.8162948898	3596.232221767395	3532.579203578652	3531.636915917735	76.824882385494	84.778030108709
106	124	91126	-301641.1413	87357.37170250766	39.2693581204537	-101.8644345	252886.10787617843	4350579.79035779	3814.1796626209487	3594.67819568186	3529.454849199853	3525.284844738752	76.824882385494	84.778030108709
107	124	91127	-300981.1413	87357.37170250766	39.26937886933445	-101.8621064	253187.2468432794	4350575.558687998	3812.8548625213494	3592.36785153036	3527.36785153036	3525.284844738752	76.824882385494	84.778030108709
108	124	91128	-300321.1413	87357.37170250766	39.26939917257037	-101.8597744	253488.1342481435	4350571.76233789	3812.47176382781	3591.61952389849	3525.406221112748	3526.36785153036	76.824882385494	84.778030108709
109	124	91129	-299661.1413	87357.37170250766	39.26941963110207	-101.8574444	253849.5456777725	4350567.679641205	3810.904242852625	3590.08715993323	3523.11346410594	3524.041963296265	76.824882385494	84.778030108709
110	124	91130	-299001.1413	87357.37170250766	39.269440044629526	-101.8551143	253890.576343507	4350564.596354084	3801.9494132789814	3588.548278064599	3526.38761301373	3521.3313719546795	76.824882385494	84.778030108709
111	124	91131	-298341.1413	87357.37170250766	39.26946041315272	-101.8527843	253891.6894736885	4350559.5337754	3799.14140686714	3587.01011711317	3525.8087818925826	3526.7818536207	76.824882385494	84.778030108709
112	124	91132	-297681.1413	87357.37170250766	39.269480736671596	-101.8504543	254092.80560373895	4350555.430602615	3785.05025622162	3585.466837170903	3525.30674494656	3524.9076375519393	76.824882385494	84.778030108709
113	124	91133	-297021.1413	87357.37170250766	39.26950101519611	-101.8481242	254293.9204087657	4350551.980871799	3783.859653767107	3583.9189653789604	3524.9632973495292	3524.9632973495292	76.824882385494	84.778030108709
114	124	91134	-296361.1413	87357.37170250766	39.2695218296929	-101.8457494	254505.035110633	4350547.266	3791.217695119258	3582.36785153036	3524.9632973495292	3524.9632973495292	76.824882385494	84.778030108709
115	124	91135	-295701.1413	87357.37170250766	39.26954437302916	-101.8434641	254795.1503698002	4350543.183	3788.615923657696	3580.8146145848735	3521.041963314531	3524.9632973495292	76.824882385494	84.778030108709
116	124	91136	-295041.1413	87357.37170250766	39.26956158070314	-101.8411341	254987.2649853536	4350539.101398145	3785.735363952164	3579.261061422993	3523.456045739901	3524.9632973495292	76.824882385494	84.778030108709
117	124	91137	-294381.1413	87357.37170250766	39.26958167298614	-101.838804	255098.3794551396	4350534.15968804	3782.951384146927	3577.708067082896	3520.381538279136	3524.9632973495292	76.824882385494	84.778030108709
118	124	91138	-293721.1413	87357.37170250766	39.26960173270194	-101.836474	255299.493590008	4350530.398	3780.229063991632	3576.15834991307	3519.880611615474	3524.9632973495292	76.824882385494	84.778030108709
119	124	91139	-293061.1413	87357.37170250766	39.26962174118949	-101.834144	255500.60784017664	4350525.856	3776.36369599114	3574.616221162023	3518.428124736998	3524.9632973495292	76.824882385494	84.778030108709
120	124	91140	-292401.1413	87357.37170250766	39.26964174067243	-101.8318139	255701.7217154424	4350522.7523397	3777.811516254549	3573.084650794531	3517.265334042494	3524.9632973495292	76.824882385494	84.778030108709
121	124	91141	-291741.1413	87357.37170250766	39.26966174067243	-101.8295813	255912.8463321196	4350518.4196	3776.740474001123	3572.34269497107	3516.8394981967	3524.9632973495292	76.824882385494	84.778030108709
122	124	91142	-291081.1413	87357.37170250766	39.26968174067243	-101.827358	256103.94789738225	4350514.1327472	3776.3784077554214	3570.058777945176	3514.255525264306	3524.9632973495292	76.824882385494	84.778030108709
123	124	91143	-290421.1413	87357.37170250766	39.26970132509306	-1								

ix	iy	x	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatElevLog.f	SatBothLog.f	
205	124	91225	-236301.1413	875357.3170250766	39.27117410501393	-01.6337555	272795.5189411078	43501.765600734055	398.9619878469866	346.5424795815306	3409.985905	3388.5806785793935	56.55657433518081	77.96160100159113
206	124	91226	-235641.1413	875357.3170250766	39.2711901796659	-01.6314253	272966.6125523394	43486.7525525916	346.5314430108178	3410.7900705523932	3385.665282904166	54.713737248	71.9961061065113	
207	124	91227	-234891.1413	875357.3170250766	39.2723619811664	-01.628262	273197.026896207	43501.4435458452	3931.90577555737	3464.20481989845	3411.216355557245	3397.738510684915	52.88815412912606	68.57000811924996
208	124	91228	-234321.1413	875357.3170250766	39.272224848908	-01.626765	273398.791028558	43501.6635673407	3628.0766564391067	3411.70706666519	3401.384101929636	51.2946371948746	61.68462193137066	
209	124	91229	-233661.1413	875357.3170250766	39.27238206778875	-01.6244349	273599.982	43501.6012011734	3624.24733192144	3461.950132313084	3412.198870873748	3404.255437142655	49.75126443333585	57.69469517042896
210	124	91230	-233001.1413	875357.3170250766	39.2725141709096	-01.6221407	273800.984758083	43501.56132071130	3620.41841917292	3460.5645602927604	3412.510473828963	3404.666397499975	48.3438664379212	53.23906279272928
211	124	91231	-232341.1413	875357.3170250766	39.2726998761534	-01.6197746	274002.07275183654	43501.5217293126	3616.376569591153	3459.7528949485427	3412.256800249005	3404.88640303101	47.49690470044784	48.866489194151
212	124	91232	-231681.1413	875357.3170250766	39.2728581052196	-01.6174444	274203.16962183566	43501.48110911736	3614.261526578876	3457.950967967908	3412.398262533324	3404.776234032824	46.27266534357578	46.73374562756786
213	124	91233	-231021.1413	875357.3170250766	39.27301758117274	-01.6151143	274404.2615680207	43501.4435458452	3931.90577555737	3464.20481989845	3411.216355557245	3407.738510684915	52.88815412912606	68.57000811924996
214	124	91234	-230361.1413	875357.3170250766	39.27317312311184	-01.6127841	274605.353933897	43501.3919727533	3603.1941973913563	3455.54386249593	3412.3949754473992	3402.25577110986	44.1398074956336	34.3292536809697
215	124	91235	-229701.1413	875357.3170250766	39.273300919503	-01.6104538	274806.449554766	43501.351982334	3930.930716526102	3455.49544098115	3412.6915380381624	3426.193277151684	42.78800371629076	29.28626938628284
216	124	91236	-229041.1413	875357.3170250766	39.2734865207036	-01.6081238	275007.536756991	43501.318552681	3977.779442288834	3454.432495928745	3412.6119889	3404.468901680392	41.81260713699521	23.96359428353274
217	124	91237	-228381.1413	875357.3170250766	39.2736244993776	-01.6057396	275208.6233565247	43501.277960895	3956.62511711614	3453.3989753651786	3412.281660725237	3402.22583794287	22.51063237268973	
218	124	91238	-227721.1413	875357.3170250766	39.2737902797306	-01.6034635	275409.7148699117	43501.232948004	3932.474	3452.3641623806284	3412.117085224185	3402.2407771540699	23.3863245254887	
219	124	91239	-227061.1413	875357.3170250766	39.2739531064882	-01.6011333	275610.78918048315	43501.19667	3931.956899144854	3451.343872359369	3412.22810721346837	3426.0181967293002	26.926390316	
220	124	91240	-226401.1413	875357.3170250766	39.2741073440242	-01.5988031	275811.8996775672	43501.150050681	3588.678054771935	3450.334743126115	3412.250620546978	3423.81866928895	38.0828577493377	26.714805023716508
221	124	91241	-225741.1413	875357.3170250766	39.27426191327654	-01.596473	276012.9899456733	43501.11542911993	3588.1904156206981	3449.332814756817	3412.3017768948644	3421.5956071408614	37.03017861752031	23.730716752031
222	124	91242	-225081.1413	875357.3170250766	39.2744145615544	-01.5941428	276214.9800006093	43501.07484991384	3584.344482319954	3448.344482319954	3412.252458213954	3420.31260589937	36.09202404684993	28.1031217300614
223	124	91243	-224421.1413	875357.3170250766	39.2745689187468	-01.5918127	276415.1698308737	43501.034195138	3582.8550216114424	3447.3732735459967	3411.856274146428	3419.348033106306	35.1560830369666	28.03152434696616
224	124	91244	-223761.1413	875357.3170250766	39.27471471748619	-01.5894825	276615.2964505757	43500.99357453435	3580.62158112136	3446.4173866068572	3412.233967768967	3418.826784161684	34.177892696055	27.590611908881
225	124	91245	-223101.1413	875357.3170250766	39.27487481258939	-01.5871523	276817.3489991143	43500.9526173272	3584.349280749927	3445.480377141099	3412.738674547272	3417.70268472699	26.82840182840957	
226	124	91246	-222441.1413	875357.3170250766	39.2750265053441	-01.5848222	277018.4329991117	43500.91235	3585.094102777926	3444.335625100267	3418.68160160398	31.2047668759723	25.8795403688676	
227	124	91247	-221781.1413	875357.3170250766	39.2751783171274	-01.582492	277233.63569424	43500.8617330634	3586.422071232405	3443.338625100267	3418.68160160398	31.2047668759723	25.8795403688676	
228	124	91248	-221121.1413	875357.3170250766	39.2753285594987	-01.5801168	277420.615677585	43500.8131000491	3587.279853488935	3442.789575330242	3415.254062350713	3419.890501929716	27.535512505170573	23.99843058553768
229	124	91249	-220461.1413	875357.3170250766	39.27549471720255	-01.5778317	277621.70418761915	43500.76505425461	3588.486458589525	3441.38683895702	3416.092264096566	3419.878575039485	24.00110684752507	
230	124	91250	-219801.1413	875357.3170250766	39.275626268327	-01.5755015	277822.7948744897	43500.7199196285	3589.5842222715	3441.112600813683	3416.882139247474	3420.270980468564	24.2304615020808	20.84161994432192
231	124	91251	-219141.1413	875357.3170250766	39.2757788423615	-01.5731713	278023.808495367	43500.70392	3589.5311887	3440.31910009965	3417.549889692562	3417.549889692562	26.912000507953	19.73889686168797
232	124	91252	-218481.1413	875357.3170250766	39.27592816961172	-01.5708411	278224.968402539	43500.6617464044	3587.9780271567	3439.53892767759	3417.963297524055	3420.390685325834	21.578303152704027	19.46559144175778
233	124	91253	-217821.1413	875357.3170250766	39.27607684718725	-01.5683811	278426.9556380413	43500.62158114424	3588.678054771935	3440.334743126115	3412.250620546978	3423.81866928895	38.0828577493377	26.714805023716508
234	124	91254	-217161.1413	875357.3170250766	39.2762327447454	-01.5661808	278624.143451755	43500.5751025145	3588.1904156206981	3443.338625100267	3418.68160160398	31.2047668759723	25.8795403688676	
235	124	91255	-216501.1413	875357.3170250766	39.2763731516772	-01.5638506	278828.2306488735	43500.5469236685	3582.9604149749257	3437.392728188396	3417.81386913511	3415.941591408548	27.5889053285214	18.45171907848316
236	124	91256	-215841.1413	875357.3170250766	39.276526507879564	-01.5615204	279029.317627749	43500.503623017475	3580.6701975307	3436.745393723014	3417.9732349183256	18.9290242	18.77215893718264	
237	124	91257	-215181.1413	875357.3170250766	39.2766775568259	-01.5591903	279230.3403879956	43500.46574	3578.42174335668	3436.132518791852	3415.878709296142	19.0220022131593	20.25380949543242	17.15671567802591
238	124	91258	-214521.1413	875357.3170250766	39.2768140827781	-01.5568601	279431.490931572	43500.43515124852	3576.15240751615	3435.554474726152	3415.4326657835155	3414.5326657835155	19.0220022131593	20.25380949543242
239	124	91259	-213861.1413	875357.3170250766	39.2769601596417	-01.5545429	279632.5772580135	43500.3845634662	3572.954664542213	3435.01618942771	3415.9297029148374	3414.4477651268135	21.71589933986138	20.53366377995628
240	124	91260	-213201.1413	875357.3170250766	39.2771057941516	-01.5521987	279833.63569424	43500.338617330634	3584.83291711743	3434.504101029534	3414.46893705185	3418.748314153809	20.755205726265	
241	124	91261	-212541.1413	875357.3170250766	39.277250963116	-01.5498695	280034.7942581423	43500.3134017059	3587.17131281117	3434.05166771333	3409.384121022196	3417.963297524055	24.615517283715	22.29038558533467
242	124	91262	-211881.1413	875357.3170250766	39.2773956897176	-01.5475394	280235.83437889	43500.2621216631	3586.588239510635	3433.6056784121124	3409.072359019968	3409.0370930475	25.13313921442	20.84161994432192
243	124	91263	-211221.1413	875357.3170250766	39.277539623733	-01.5452092	280436.9230907704	43500.2223211111	3556.5453661925	3433.2156441122124	3404.516360144274	3407.036127	26.89932836974001	26.17957125914238
244	124	91264	-210561.1413	875357.3170250766	39.2776837926701	-01.542879	280638.3065229166	43500.1816394187	3552.588906016367	3432.8658579492653	3405.548630267844	31.27725642292715	27.3172781480903	
245	124	91265	-209901.1413	875357.3170250766	39.2778317690872	-01.5405488	280839.0907575167	43500.1417076338	3548.612698120407	3432.554694725993	3405.342569475993	3412.212011430134	29.45826550084963	
246	124	91266	-209241.1413	875357.3170250766	39.2779767095349	-01.5382186	281040.1756673323	43500.1035034091	3544.659516224443	3432.260001260599	3393.75971341416	3415.424593151768	28.54203679	24.38175891541754
247	124	91267	-208581.1413	875357.3170250766	39.2781237447454	-01.535942	281244.3445378382	43500.0931030153	3543.3869681007	3431.840091150233	3405.342569475993	3412.212011430134	29.45826550084963	
248	124	91268	-207921.1413	875357.3170250766	39.27825459760024	-01.5335582	281442.3445378382	43500.0931030153	3543.3869681007	3431.840091150233	3405.342569475993	3412.212011430134	29.45826550084963	
249	124	91269	-207261.1413	875357.3170250766	39.27839617359554	-01.5312281	281643.42870013753	43499.978136273	3542.55776332248	3431.674034058075	3408.444129637515	3411.7927874291843	25.229904327547	22.79520976623197
250	124	91270	-206601.1413	875357.3170250766	39.27853729950244	-01.5288979	281844.512							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
331	124	91351	-153141.1413	875757.3172025076	39.272847373185556	-11.3401498	298131.616630779	4349665.856	3398.026342013936	3256.278120897887	3240.131618279076	3247.5267374347444	32.145602708911612	17.7513475532425
332	124	91352	-152481.1413	875757.3172025076	39.272677754969305	-11.3378198	298322.6836270132	4349661.815	3395.034681859974	3238.1423357405038	3237.348172871327	3238.32744842038075	24.79262569380075	24.81488732024049
333	124	91353	-151921.1413	875757.3172025076	39.272686777417111	-11.3354893	298633.754105844	4349657.71405738	3393.45043886127	3236.32675221713	3230.345181944496	3242.945181944496	22.6294633151446	20.65058916231465
334	124	91354	-151611.1413	875757.3172025076	39.2726785030373	-11.333159	298734.1072502477	4349653.733231785	3395.03196550027	3235.838316764963	3234.5129491808016	3238.289481214314	24.5905269569472	20.54900506304918
335	124	91355	-150501.1413	875757.3172025076	39.272688706254875	-11.3308288	298935.8384254147	4349649.69254274	3388.9638640533	3235.6704532721164	3232.8282839	3236.2200817849434	23.841618161606474	20.45037148717031
336	124	91356	-149841.1413	875757.3172025076	39.272690903	-11.3284985	299136.949632427	4349645.206520797	3391.4780429953787	3231.570844947553	3233.967780036235	3231.570844947553	20.52402782311526	20.3719969789396
337	124	91357	-149181.1413	875757.3172025076	39.272939023	-11.3261683	299330.015638955	4349641.6117373435	3394.597057308335	3232.303143030542	3229.836642110846	3232.63622227114	22.08622119695586	19.66681799578396
338	124	91358	-148521.1413	875757.3172025076	39.272939044334	-11.323838	299539.014849565	4349637.151614975	3391.47313652170338	3230.1039643700583	3228.02121295098	3229.732167722743	22.02475139946045	20.3719969789396
339	124	91359	-147981.1413	875757.3172025076	39.2729546715111	-11.321507	299740.1470265027	4349633.153168494	3393.039976772305	3217.8944266132275	3226.3276395899783	3227.5206483350867	21.55646958953037	20.3719969789396
340	124	91360	-147201.1413	875757.3172025076	39.2729546715111	-11.3191775	299941.2147324755	4349629.491933691	3398.4758513914703	3215.673983188377	3224.330694328515	3224.2809728821084	21.34269859759615	20.46569435613027
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353	124	91373	-138621.1413	875757.3172025076	39.27312116889386	-11.2890484	302516.848102747	4349578.202227	3381.49667712304	3216.38242963176	3189.430442983425	3187.5672851127198	25.24526114142542	26.00864302049228
354	124	91374	-137961.1413	875757.3172025076	39.2730756864493	-11.2865358	302756.107625818	4349572.95520242	3379.840563957922	3213.3238033753	3186.402531380033	3187.68950574671	25.3801439527572	25.6427562958426
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367	124	91387	-129381.1413	875757.3172025076	39.27319420047741	-11.2562603	305369.90509193187	4349520.489876078	3362.858176103338	3181.961372322854	3151.476667317113	3149.64059526764	32.0590261275627	32.3240910765212
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373	124	91393	-125421.1413	875757.3172025076	39.27324677254937	-11.242368	306579.1741212857	4349496.19461017	3354.8771212857	3168.7241712857	3137.4807159452967	3136.7241712857	31.18402505116336	32.18902505116336
374	124	91394	-124761.1413	875757.3172025076	39.27325486	-11.2400923	306793.3211222796	4349492.55272613	3354.774101	3166.07387185928	3135.743940907204	3134.234242	31.6090919520774	32.18902505116336
375	124	91395	-124101.1413	875757.3172025076	39.27326335	-11.237618								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREVELogKrg.ft	BREVEBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
457	12	1477	-69981.14133	875757.3170250766	-37.28730606523133	-101.0465338	32364.5642307403	4349158.136274542	3168.939441332689	2966.2705838370434	2924.4190297540395	2919.416940748544	71.85155408300398	76.85364380849921
458	12	1478	-69921.14133	875757.3170250766	-37.27381080251926	-101.0442032	32365.6012736438	4349154.119340088	3168.939441332689	2924.4190297540395	2922.317833313984	2922.317833313984	72.10483424505753	77.0483424505753
459	12	1479	-69861.14133	875757.3170250766	-37.2678156222233	-101.0416729	32366.6514363574	4349150.1911922	3168.939441332689	2924.4190297540395	2920.165142298137	2920.165142298137	73.03711834116231	78.03711834116231
460	12	1480	-69801.14133	875757.3170250766	-37.261801684778	-101.0394268	32406.6947260411	4349146.038469281	3163.244680390957	2992.64885233962	2971.1051408115035	2900.59837405027	75.54370341	82.0490157354912
461	12	1481	-69741.14133	875757.3170250766	-37.25382478376065	-101.0372123	32426.8737847380	4349142.068659343	3161.177421680957	2991.5134608802227	2914.286701973185	2906.0282810601985	77.2267589073075	85.48517987
462	12	1482	-69681.14133	875757.3170250766	-37.245832935410935	-101.034882	32446.978079605894	4349138.05	3159.110619259065	2990.412904528903	2911.330513	2908.944119697243	78.0371073051037	81.47017015754805
463	12	1483	-69621.14133	875757.3170250766	-37.23783387924864	-101.0325516	32467.8023731821	4349134.032724416	3155.870363155436	2989.351276664717	2908.628372804752	2910.764349196315	80.6889849171954	78.5896240715676
464	12	1484	-69561.14133	875757.3170250766	-37.23383836	-101.0302213	32487.716671895466	4349130.41671866	3153.4577744131	2988.323484605383	2906.246613635291	2908.76415641588	82.076983	86.591391989036
465	12	1485	-69501.14133	875757.3170250766	-37.22984279486158	-101.027681	32502.7860135867	4349126	3147.0449133307567	2987.294846538631	2904.172294971003	2908.165730977199	83.15718666735818	85.6554377984967
466	12	1486	-69441.14133	875757.3170250766	-37.22584718485958	-101.0256507	325273.9508772586	4349121.9841794	3142.632051918475	2986.363835304346	2902.60568005458	2901.792606869539	83.7017752497659	84.5757028479563
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471	12	1491	-69141.14133	875757.3170250766	-37.2058648065425	-101.013991	326279.15983876864	4349101.96407827	3132.78897	2982.033588393217	2988.0036394908733	2999.0768297315156	83.99727890213944	82.9755021968113
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473	12	1493	-69021.14133	875757.3170250766	-37.2078765590053	-101.0092485	326681.241935397	4349093.67569537	3130.9634846792606	2980.4359119133264	2898.232526249187	2903.85191644539	84.2033856421015	82.8396206878745
474	12	1494	-68961.14133	875757.3170250766	-37.203860662907	-101.0069181	326882.2828748627	4349089.961915592	3129.296166445367	2979.680533777667	2894.77456173499	2892.33190717736	84.0021272	87.34666231
475	12	1495	-68901.14133	875757.3170250766	-37.203878641714885	-101.0045878	327083.323591427	4349084.84458434	3128.3421234007515	2978.7037852490354	2893.09821941973	2887.276137388453	85.8471632526735	91.6618470080713
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477	12	1497	-68781.14133	875757.3170250766	-37.2038992624837	-101.0099272	327485.405453629	4349077.819104445	3127.333454874135	2977.471934068783	2889.70172160509	2887.058693073405	87.77024625457816	90.3614049874673
478	12	1498	-68721.14133	875757.3170250766	-37.2038963529607	-101.0079569	327686.4447827489	4349073.805207403	3127.8864630508595	2976.734706409102	2888.69263879187	2914.2158927255	86.402168652916	96.4963871365528
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483	12	1503	-68421.14133	875757.3170250766	-37.2039143134384	-101.0085945	328691.643046296	4349053.738524462	3125.743702030484	2899.43425639532	2886.92634533535	2886.92634533535	75.973676769343	85.973676769343
484	12	1504	-68361.14133	875757.3170250766	-37.20391811314605	-101.0063619	328892.682642913	4349048.72571807	3122.47960359117	2972.06808298134	2904.530380297249	2883.4814790558335	65.5557021063485	88.6044038230044
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492	12	1512	-67881.14133	875757.3170250766	-37.2039455232932	-101.0045472	33050.904043385	4349017.45041398	3120.1094167728415	2965.022782368973	2914.914123671138	2914.914123671138	65.5557021063485	88.6044038230044
493	12	1513	-67821.14133	875757.3170250766	-37.20394870579097	-101.0026242	330702.02813012543	4349013.619196012	3120.243957080924	2964.332108540054	2915.5447358064454	2915.5447358064454	65.5557021063485	88.6044038230044
494	12	1514	-67761.14133	875757.3170250766	-37.2039518332317	-101.0003117	330903.0569068035	4349009.60251158	3120.36919798867	2963.550540540043	2917.4467962019976	2917.4467962019976	65.5557021063485	88.6044038230044
495	12	1515	-67701.14133	875757.3170250766	-37.20395482015364	-101.0057984	331103.1031	4349005.959250255	3120.3033744093143	2962.574882	2916.3447358064454	2916.3447358064454	65.5557021063485	88.6044038230044
496	12	1516	-67641.14133	875757.3170250766	-37.2039576991706	-101.0055651	331305.14031702225	4349001.58699103	3120.3033744093143	2961.703129124645	2919.010690240843	2919.010690240843	65.5557021063485	88.6044038230044
497	12	1517	-67581.14133	875757.3170250766	-37.20396054775745	-101.0033207	331506.177831778	4348997.576641589	3120.683226820556	2960.830198551825	2919.010690240843	2919.010690240843	65.5557021063485	88.6044038230044
498	12	1518	-67521.14133	875757.3170250766	-37.20396394	-101.0010904	331707.2142484704	4348993.56487826	3120.731432814247	2959.731432814247	2919.010690240843	2919.010690240843	65.5557021063485	88.6044038230044
499	12	1519	-67461.14133	875757.3170250766	-37.20396730946575	-101.0012641	331908.2227819882	4348989.2227819882	3120.731432814247	2958.731432814247	2919.010690240843	2919.010690240843	65.5557021063485	88.6044038230044
500	12	1520	-67401.14133	875757.3170250766	-37.2039696911269	-101.0043298	332109.287952285	4348985.54714031	3120.024645942949	2958.232155720341	2919.010690240843	2919.010690240843	65.5557021063485	88.6044038230044
501	12	1521	-67341.14133	875757.3170250766	-37.2039724386594	-101.0043994	332310.3240061002	4348981.537	3120.024645942949	29				

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatThLgts.f	SatThBoth.f
583	124	91603	13178.85867303351	87357.37170250766	39.72405011449975	-100.7529124	348794.7720354524	4348653.38717575	2950.5678612822376	2786.684895688117	2787.5278416565744	72.919528898706	71.2035678052991
584	124	91604	13188.85867303351	87357.37170250766	39.72404915174505	-100.750921	348995.7956679993	4348649.39	2952.72800896359	2856.6209545632044	2784.891580914647	73.12889523406724	71.7293638628954
585	124	91605	13169.85867303351	87357.37170250766	39.72404146	-100.7462518	348966.1618	4348653.38606842	2954.885152510477	2854.4321941062726	2786.2131978655679	73.21890470436995	68.663717085571
586	124	91606	13153.85867303351	87357.37170250766	39.7240471548491	-100.7452124	348974.847190214	4348641.40132691	2952.72800896359	2856.6209545632044	2784.891580914647	73.12889523406724	71.7293638628954
587	124	91607	13181.85867303351	87357.37170250766	39.72404616	-100.7435911	349588.665282307	4348637.40823122	2956.343133399446	2849.698500607616	2773.53027556337	74.42787745	64.6452237442825
588	124	91608	13167.85867303351	87357.37170250766	39.7240455742704	-100.7412608	349799.888328762	4348634.41183731	2947.678987595975	2770.14364204407	2787.041893047134	76.735393156796	60.6370379180318
589	124	91609	13178.85867303351	87357.37170250766	39.72404381352344	-100.7389305	350000.911291772	4348629.421618954	2948.202433270618	2845.36137100097	2766.3866328330923	78.73731022100596	78.9894885
590	124	91610	13179.85867303351	87357.37170250766	39.72404271994899	-100.7366001	35001.933748427	4348625.42886957	2945.620382602018	2845.3616704547686	2762.121585	78.681102311367395	80.9300854329665
591	124	91611	13169.85867303351	87357.37170250766	39.72404146	-100.7462518	348966.1618	4348653.38606842	2954.885152510477	2854.4321941062726	2786.2131978655679	73.21890470436995	68.663717085571
592	124	91612	13118.85867303351	87357.37170250766	39.724020210323	-100.7319395	350033.978659543	4348617.437037937	2930.831751791074	2838.343995502625	2762.3456963035397	73.7045035179	56.9950032198533
593	124	91613	13177.85867303351	87357.37170250766	39.72403875660335	-100.7296091	350085.0008782859	4348613.450043398	2922.1544891274	2835.9641964394814	2747.504249720231	78.6616992275288	84.9594671925018
594	124	91614	13167.85867303351	87357.37170250766	39.7240354205406	-100.7272788	351006.022953622	4348609.45831571	2934.76872547181	2833.56855803743	2744.254215730099	76.361964842203	69.3134248
595	124	91615	13169.85867303351	87357.37170250766	39.72403608737095	-100.7249485	351207.0448837298	4348608.56241769	2909.84058463896	2831.156782806599	2744.3437292073586	75.170372563527	86.1302599321043
596	124	91616	13175.85867303351	87357.37170250766	39.72403462652572	-100.7226181	351408.0666999124	4348604.47294136	2917.137453619148	2829.39017222172	2747.0999469990575	74.7805472874985	80.9300854329665
597	124	91617	13167.85867303351	87357.37170250766	39.72403311976136	-100.7202878	351509.0883	4348602.46622636	2912.247021771945	2826.293199688248	2748.53780647432	74.84837700231947	76.753940215563
598	124	91618	13170.85867303351	87357.37170250766	39.724031568254024	-100.7179575	351810.1098111397	4348593.491016138	2913.80289929248	2823.845964964683	2750.641741579877	75.07654571282	73.66941078
599	124	91619	13173.85867303351	87357.37170250766	39.72402971733675	-100.7156272	352011.1311645867	4348589.496810592	2913.901387362654	2823.91591361975	2751.173840805063	75.3733686495	69.2740278146583
600	124	91620	13169.85867303351	87357.37170250766	39.724028330037	-100.7132968	352212.152755741	4348585.504810979	2912.765569187368	2818.93257324654	2753.230994866914	68.501029661035	70.6715824376927
601	124	91621	13167.85867303351	87357.37170250766	39.724026634507	-100.7109665	352413.1734432774	4348581.574292617	2911.629697561027	2816.474540231133	2754.04184770578	75.4540184586426	62.4290815710967
602	124	91622	13167.85867303351	87357.37170250766	39.72402491209481	-100.7086362	352514.1944	4348579.51628691	2910.49382710827	2814.010832039295	2754.4523012709437	75.56394835500514	59.2963031635375
603	124	91623	13167.85867303351	87357.37170250766	39.72402313552257	-100.7063058	352815.251496642	4348573.536	2910.566674511784	2811.553407	2754.702162614462	75.54561332	56.8331906040233
604	124	91624	13167.85867303351	87357.37170250766	39.72402131953738	-100.7039755	353006.235787577	4348569.56453927	2911.848159	2809.102111855515	2754.488529549891	75.451678131157	54.61358890091244
605	124	91625	13167.85867303351	87357.37170250766	39.72401944723919	-100.7016258	353209.5089706713	4348562.5682838145	2910.528578194353	2807.9770784	2754.6002895447	75.5434053889575	52.634053889575
606	124	91626	13167.85867303351	87357.37170250766	39.72401537280556	-100.6993149	353418.276637509	4348561.565330056	2911.4111552724	2804.23260420925	2754.599932310093	75.463243698259	49.86963827265596
607	124	91627	13167.85867303351	87357.37170250766	39.72401557910396	-100.6968485	353619.2968520888	4348561.57458281	2912.964438357	2804.23260420925	2754.599932310093	75.463243698259	49.86963827265596
608	124	91628	13167.85867303351	87357.37170250766	39.72401357746691	-100.694542	353820.3162925303	4348553.58579167	2919.199303672842	2804.23260420925	2754.599932310093	75.463243698259	49.86963827265596
609	124	91629	13167.85867303351	87357.37170250766	39.72401153081962	-100.6923239	354021.33685136517	4348549.95626709	2912.964438357	2804.23260420925	2754.599932310093	75.463243698259	49.86963827265596
610	124	91630	13167.85867303351	87357.37170250766	39.72400949315364	-100.689936	354222.356637539	4348545.606947993	2912.913888734	2794.71708884218	2750.570647696887	74.930597388018	41.464440820917
611	124	91631	13167.85867303351	87357.37170250766	39.7240076727688	-100.6876323	354423.7679247898	4348541.81875718	2908.12368914833	2794.71708884218	2750.570647696887	74.930597388018	41.464440820917
612	124	91632	13167.85867303351	87357.37170250766	39.7240051207962	-100.685323	354624.2907300373	4348542.36789162	2907.1077084	2792.0538245433	2750.570647696887	74.930597388018	41.464440820917
613	124	91633	13167.85867303351	87357.37170250766	39.7240028040747	-100.6830208	354825.4515434126	4348543.60120929	2912.913888734	2794.71708884218	2750.570647696887	74.930597388018	41.464440820917
614	124	91634	13167.85867303351	87357.37170250766	39.7240002237775	-100.6806722	355026.434780257	4348545.61532904	2919.12497080939	2785.76914120807	2745.5168397589528	74.6422691948646	39.54290376432904
615	124	91635	13167.85867303351	87357.37170250766	39.7239983054615	-100.6783419	355227.4534612974	4348545.61532904	2919.12497080939	2785.76914120807	2745.5168397589528	74.6422691948646	39.54290376432904
616	124	91636	13167.85867303351	87357.37170250766	39.72399639404616	-100.6760116	355428.6714093574	4348541.674393055	2914.2267510173823	2781.684400218427	2741.260572234417	75.1023024161655	40.5691979903644
617	124	91637	13167.85867303351	87357.37170250766	39.72399533715116	-100.6738783	355629.4912074143	4348541.674393055	2914.2267510173823	2781.684400218427	2741.260572234417	75.1023024161655	40.5691979903644
618	124	91638	13167.85867303351	87357.37170250766	39.72399371029	-100.6715939	355830.5089706713	4348541.674393055	2914.2267510173823	2781.684400218427	2741.260572234417	75.1023024161655	40.5691979903644
619	124	91639	13167.85867303351	87357.37170250766	39.7239921029	-100.669206	356001.5283634553	4348509.7114041385	2907.255314871377	2776.25087481216	2737.825274105162	75.1023024161655	40.5691979903644
620	124	91640	13167.85867303351	87357.37170250766	39.72399064811332	-100.666903	356232.5477860846	4348505.732879289	2906.312854671917	2774.5997889149708	2735.25882536347	75.4590416362514	38.3403063813602
621	124	91641	13167.85867303351	87357.37170250766	39.72398834000827	-100.66436	356433.560236969	4348501.73671094	2905.370245624785	2773.015894374327	2734.2462260760124	75.4590416362514	38.3403063813602
622	124	91642	13167.85867303351	87357.37170250766	39.7239862819029	-100.6620296	356634.583129944	4348497.749611238	2904.428019456586	2772.0280596411765	2733.6547111208272	75.4590416362514	38.3403063813602
623	124	91643	13167.85867303351	87357.37170250766	39.72398511359415	-100.659993	356835.601071366	4348493.763	2902.564395659676	2769.9977412127823	2729.952495246207	75.4590416362514	38.3403063813602
624	124	91644	13167.85867303351	87357.37170250766	39.7239842951969	-100.657389	357036.618925864	4348497.76360306	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
625	124	91645	13167.85867303351	87357.37170250766	39.7239834000827	-100.65478	357239.6512074143	4348493.763	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
626	124	91646	13167.85867303351	87357.37170250766	39.7239825000000	-100.652138	357438.651685278	4348493.763	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
627	124	91647	13167.85867303351	87357.37170250766	39.7239816930717	-100.650378	357639.6171582072	4348477.81860425	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
628	124	91648	13167.85867303351	87357.37170250766	39.7239809201195	-100.6480477	357840.688593326	4348477.81860425	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
629	124	91649	13167.85867303351	87357.37170250766	39.72398015410386	-100.6457174	358041.7059831315	4348469.45170324	2900.779491124896	2768.54203572827	2727.4945837683358	75.4590416362514	38.3403063813602
630	124	91650	13167.85867303351	87357.37170250766	39.723978								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BREVELogsKrg.f	BREVEBothsKrg.f	SurfBothsKrg.f
70	124	91729	96338.85867307335	87357.37170250766	39.27357995143834	-100.4559292	37122.6489013406	3448151.581967807	2774.996997936225	2652.299594907013	2602.4774924556286	49.8221045134858	50.12342968326875
710	124	91730	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
711	124	91731	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
712	124	91732	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
713	124	91733	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
714	124	91734	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
715	124	91735	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
716	124	91736	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
717	124	91737	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
718	124	91738	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
719	124	91739	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
720	124	91740	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
721	124	91741	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
722	124	91742	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
723	124	91743	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
724	124	91744	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
725	124	91745	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
726	124	91746	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
727	124	91747	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
728	124	91748	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
729	124	91749	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
730	124	91750	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
731	124	91751	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
732	124	91752	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
733	124	91753	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
734	124	91754	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
735	124	91755	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
736	124	91756	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
737	124	91757	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
738	124	91758	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
739	124	91759	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
740	124	91760	96338.85867307335	87357.37170250766	39.27357296514872	-100.4559642	37423.65647412235	3448136.611159748	2765.78814342896143	2650.384047961308	2603.4339424896143	2603.4071231069876	40.57672635232029
1	25	91761	-370941.1413	87423.37170250766	39.26876263	-102.1091124	331771.553337784	3451211.082227384	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
2	125	91762	-370281.1413	87423.37170250766	39.2687790004595	-102.1067825	321972.69754218235	3451148.179432582	380.9181479432582	380.9181479432582	380.9181479432582	380.9181479432582	68.20840245
3	125	91763	-369621.1413	87423.37170250766	39.268781125424356	-102.1044528	322173.8403906526	3451035.27865324	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
4	125	91764	-368961.1413	87423.37170250766	39.2687931811814	-102.1021126	322274.9837041589	3451138.17101617	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
5	125	91765	-368631.1413	87423.37170250766	39.26880333020275	-102.0997298	322576.125886646	3451194.6671051	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
6	125	91766	-367641.1413	87423.37170250766	39.2688054758995	-102.0947427	322777.2683235962	3451186.54495658	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
7	125	91767	-366981.1413	87423.37170250766	39.2688135696945	-102.091328	322978.0417142486	3451190.6152072	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
8	125	91768	-366321.1413	87423.37170250766	39.2688380135196	-102.089028	323179.5521363528	3451182.3876221	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
9	125	91769	-365661.1413	87423.37170250766	39.268839360732935	-102.0904279	323380.63969589	3451178.2561221	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
10	125	91770	-365001.1413	87423.37170250766	39.268849451712835	-102.0881429	323581.8349603276	3451173.15738821	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
11	125	91771	-364341.1413	87423.37170250766	39.2688603181914	-102.085843	323783.116671981	3451165.116595	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
12	125	91772	-363681.1413	87423.37170250766	39.26886381688918	-102.0831429	323984.116671981	3451165.116595	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
13	125	91773	-363021.1413	87423.37170250766	39.268869248245534	-102.0811531	324185.257264914	3451161.8470435	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
14	125	91774	-362361.1413	87423.37170250766	39.2688768262002	-102.0788231	324386.3974858726	3451157.74602585	401.0865205750247	381.2931760561005	374.8157945280236	47.16289021241	63.270853418465
15	125	91775	-361701.1413	87423.37170250766	39.268891321199435	-102.0764932							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtLogBoth.f	SatHtBoth.f
95	125	91855	-308901.1413	784237.3170250766	39.7094711364046	-101.8900918	50767.8998723369	4350826.144778121	3808.17085	3817.39293684853	3563.927625898425	3569.115050147468	35.44536082501043	48.27787767010636
96	125	91856	-308241.1413	784237.3170250766	39.70962757759314	-101.8877617	505879.018436968	4350822.5067308975	3817.844995468465	3541.8226712542035	3560.355447535371	3566.362050651252	35.446723718699714	48.45986559297583
97	125	91857	-308161.1413	784237.3170250766	39.7098736976036	-101.8854516	50106.1382497806	4350817.973289624	3817.588891212877	3812.24261844143	3568.1597138954808	3561.997138954808	35.4171849170966294	48.45986559297583
98	125	91858	-306921.1413	784237.3170250766	39.707004710982346	-101.8831016	50125.21570587743	4350813.88719876	3822.26005879006	3609.66240379514	3551.641765700007	3553.6881203798428	35.4026523788428	55.9741474009363
99	125	91859	-306621.1413	784237.3170250766	39.7072052006045	-101.8807715	51482.37564155608	4350809.801771508	3824.806295714655	3602.702723433998	3546.65640888396	3546.786826907455	35.404631535300364	50.3189651594095
100	125	91860	-30601.1413	784237.3170250766	39.70446484185554	-101.8784414	51563.4936833131	4350805.71624005	3825.323684713025	3604.609137320353	3542.08644108927	3543.256926069111	35.42260421944255	61.352269130202346
101	125	91861	-304941.1413	784237.3170250766	39.71068737963	-101.8761113	51588.61420430634	4350801.63142499	3825.841707889146	3602.27397321984	3539.9019533415794	3547.1309816419843	35.427543308044725	55.41641586029945
102	125	91862	-304281.1413	784237.3170250766	39.710887376684	-101.8737812	525085.7298846496	4350775.54641289	3826.358473002987	3600.234734388452	3537.9533695489	3551.84571484887	35.41810594231263	48.388901396809585
103	125	91863	-303681.1413	784237.3170250766	39.711868256263	-101.8714512	525228.6647467678	435075.4651993576	3826.492178929075	3536.468970477404	3553.110261617325	3552.336984542685	35.4236984542685	50.64657336734065
104	125	91864	-302961.1413	784237.3170250766	39.711234905132	-101.8691121	525487.9648197852	435073.97115837	3826.50031889754	3536.20031889754	3553.4559693	3552.11569221178053	35.4213130434373	
105	125	91865	-302301.1413	784237.3170250766	39.71150129604806	-101.866791	525889.0189130063	435075.292815951	3817.141841300255	3595.417920870087	3532.5223879582495	3553.90091626873	35.42895041236014	51.41700882072327
106	125	91866	-301641.1413	784237.3170250766	39.7117072367114	-101.8644609	525890.1987743476	435076.28636326	3813.3170802813	3593.830686963175	3528.889254035263	3555.089642384885	35.4092552829117	38.848684321294
107	125	91867	-300981.1413	784237.3170250766	39.7119127273616	-101.8621308	525991.1353842703	435077.1205	3808.95626656492	3527.761259887433	3527.761259887433	3547.70927039075	35.40472598824906	40.43893998491765
108	125	91868	-300321.1413	784237.3170250766	39.7121718	-101.8599007	525992.4312045153	435073.740927411	3806.958306973623	3580.1835619103	3526.189030897413	3538.1631902370046	35.47928047131177	52.8164517601856
109	125	91869	-299661.1413	784237.3170250766	39.7122223584629	-101.8574706	525943.5487279985	435076.985744109	3803.95995129321	3599.491631371296	3524.5530073874565	3522.91074208046	35.49386232963965	56.8804881322963
110	125	91870	-299001.1413	784237.3170250766	39.712524089329	-101.8551405	525904.663750917	435074.873506167	3800.951599575477	3587.991599575477	3524.687205218673	3538.6910823769	35.40340131309464	79.30051420170862
111	125	91871	-298341.1413	784237.3170250766	39.712730189487	-101.8528104	525895.77938515614	435076.79077478	3798.04845225993	3586.48724066967	3524.038852472115	3495.781760157249	35.42428989548575	90.6990819062633
112	125	91872	-297681.1413	784237.3170250766	39.7129334297097	-101.8504804	525906.8947756804	435076.77077325	3795.21052412593	3584.962794363085	3523.595773164114	3487.620607749085	35.43670191198972	97.3425056220999
113	125	91873	-297021.1413	784237.3170250766	39.7131362200161	-101.8481503	525428.009923423	435075.624904835	3792.41369502549	3583.43062095467	3523.260429812687	3474.29313717315523	35.40176528227807	104.11890477990423
114	125	91874	-296361.1413	784237.3170250766	39.7134250626665	-101.8458202	525949.1428748512	435074.9452273864	3788.956266562545	3581.90312385046	3522.944502358194	3548.793277305145	35.40980803527214	107.60975027789407
115	125	91875	-295701.1413	784237.3170250766	39.71354045046166	-101.8434901	525490.3294888003	435074.44	3786.913765832834	3580.366033769314	3522.58339960848	3522.76516480328	35.411643509735007	111.64509735007
116	125	91876	-295041.1413	784237.3170250766	39.7137148900044	-101.84116	525491.3539073951	435074.37573895	3784.02995867125	3578.826393	3522.158625220054	3540.498459	35.46772643554594	118.330341
117	125	91877	-294381.1413	784237.3170250766	39.713878907658	-101.8388498	525518.9648197852	435076.265814615	3783.353728	3568.1716231240857	3515.432599969234	3548.94180518973	35.472911317	103.6244044577934
118	125	91878	-293721.1413	784237.3170250766	39.71414342007746	-101.8364988	525533.582172117	435073.21360743	3778.010229476758	3575.74017494403	3518.6911097704	3527.02527380211	35.4054071703989	122.6574348209212
119	125	91879	-293061.1413	784237.3170250766	39.714343107753	-101.8341696	525504.6958087296	435072.31947372	3774.05470762848	3574.212958760155	3517.544047683508	3546.486494046118	35.468911770286	117.2646468959872
120	125	91880	-292401.1413	784237.3170250766	39.71454315068524	-101.8318395	525575.8092585377	435074.50448048	3776.67125581076	3572.68789038835	3516.6943607922785	3545.84725361245	35.4993326460496	117.8393967363843
121	125	91881	-291741.1413	784237.3170250766	39.7147423405375	-101.8295904	525506.924266972	435071.96914715	3773.30218549507	3571.170684367776	3515.761777178125	3547.603189	35.515932660503664	123.564950636036
122	125	91882	-291081.1413	784237.3170250766	39.7148410803309	-101.8271793	525610.034327237	435071.888024812	3775.926243473936	3569.664530636789	3514.436528302683	3452.77641040365	35.528002332925815	116.8890759642418
123	125	91883	-290421.1413	784237.3170250766	39.7151879076057	-101.8248495	525579.1829076057	435071.807	3776.353728	3568.1716231240857	3515.432599969234	3548.94180518973	35.472911317	103.6244044577934
124	125	91884	-289761.1413	784237.3170250766	39.715337207412	-101.8225191	525610.2606427772	435071.73259892	3774.54836308953	3571.9235083612543	3512.65300836917	3471.66818071139	35.4168529039697	95.0258035891059
125	125	91885	-289101.1413	784237.3170250766	39.71555346	-101.820189	525671.3288611117	435073.64581915	3773.1545533392	3565.23360619615	3511.179557	3474.239165281997	35.40330378854488	90.90419533
126	125	91886	-288441.1413	784237.3170250766	39.7157531389131	-101.8178589	525691.48488877818	435069.56549139	3773.046458235887	3573.7907753771	3509.61846226796	3474.1940281731604	35.41739632697531	89.5967350297031
127	125	91887	-287781.1413	784237.3170250766	39.7159280284089	-101.8155288	525691.48488877818	435069.56549139	3773.046458235887	3573.7907753771	3509.61846226796	3474.1940281731604	35.41739632697531	89.5967350297031
128	125	91888	-287121.1413	784237.3170250766	39.7161124067838	-101.8131986	525714.7801292883	435069.45305858	3770.38590564871	3560.963250401567	3505.0771222117323	3467.14923769126	35.438128963435	93.81325663244115
129	125	91889	-286461.1413	784237.3170250766	39.716319657278	-101.8108688	525715.8196571094	4350687.25916436	3768.854985216984	3578.918704878187	3503.0381250020406	3467.2048045975	35.54505521733591	96.8584938978463
130	125	91890	-285801.1413	784237.3170250766	39.7165143087624	-101.808534	525716.14909696	435069.24501613	3768.12120898517	3568.1716231240857	3515.432599969234	3548.94180518973	35.472911317	103.6244044577934
131	125	91891	-285141.1413	784237.3170250766	39.7167058767208	-101.8060293	525718.0142927035	435067.16506445	3766.07968851954	3556.86235067615	3497.923756425427	3470.148019754	35.48893803216586	100.4640793091075
132	125	91892	-284481.1413	784237.3170250766	39.716903742993	-101.8038782	525811.915622367	435067.08728595	3765.0542167734	3555.257883310727	3495.392205639033	3452.9041285176626	35.4013567276873	103.4335913410098
133	125	91893	-283821.1413	784237.3170250766	39.7170975140953	-101.801548	525830.2621895702	435067.08728595	3764.0284554871	3554.2778032132127	3491.75347634103	3461.65164216321	35.42544363821451	92.5661418691053
134	125	91894	-283161.1413	784237.3170250766	39.7172906531584	-101.7992179	525821.3720676834	435066.92410634	3763.00285879808	3552.900764371536	3488.781264285196	3472.090892658563	35.41186022879349	80.806765456812
135	125	91895	-282501.1413	784237.3170250766	39.7174837415508	-101.7968878	525812.481166548	435066.850761677	3761.363126698408	3551.60578286227	3486.358461519791	3484.142040395716	35.42544363821451	67.481784184507
136	125	91896	-281841.1413	784237.3170250766	39.7176319657278	-101.7945577	525823.5172338309	435065.72299448	3760.1962007811	3550.21865085783	3483.257399530123	3468.704187107502	35.4064181356713	51.614359632134
137	125	91897	-281181.1413	784237.3170250766	39.71782419076057	-101.7922812	525834.69209696	435065.72299448	3760.1962007811	3550.21865085783	3483.257399530123	3468.704187107502	35.4064181356713	51.614359632134
138	125	91898	-280521.1413	784237.3170250766	39.718015077611	-101.7898574	525935.81023347	435067.16506445	3757.89020905965	3471.78389	3483.257399530123	3468.704187107502	35.4064181356713	51.614359632134
139	125	91899	-279861.1413	784237.3170250766	39.71820579571174	-101.7875673	525926.891716003	435064.53805157	3756.38901210576	3546.530				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	W.Lt.	BRLEvLogKg.f	BRLEvBothKg.f	SatHvLog.f	SatHvBoth.f	
219	125	91981	-225741.1413	784237.3170250766	39.27323884714257	-01.5964928	276017.05815505126	4350312.795155818	3582.5064192525586	3449.156841292279	3410.205781	3418.8052646820974	389.1506042629688	30.351576430181467
222	125	91982	-225081.1413	784237.3170250766	39.27325420361366	-01.5941626	276218.1480091355	4350308.732970222	3580.2891586104564	3447.1833446646947	3410.286891536554	3447.4432429074233	37.8946623063933	30.74011155924245
223	125	91983	-224621.1413	784237.3170250766	39.27326945827096	-01.5918123	276419.2376424573	4350304.670973211	3578.9715846	3447.225133279467	3410.61133729684	3416.851028	36.7549611969349	30.5747037
224	125	91984	-223761.1413	784237.3170250766	39.2732843177124	-01.5899021	276620.3705522387	4350303.680163465	3576.5033680165455	3446.284996975475	3411.36709917917	3416.389404904233	35.1179078	29.89505501241968
225	125	91985	-223101.1413	784237.3170250766	39.27330006966229	-01.5877179	276821.616247838	4350302.564574814	3578.210891249654	3445.3620410121636	3413.2328895866235	3416.4745644421362	32.12915142299016	28.8874675109394
226	125	91986	-222441.1413	784237.3170250766	39.27331526314401	-01.5848417	277022.5052199026	4350292.486	3574.884136911541	3444.458053295574	3414.155206290234	3416.728869136204	30.32044496550448	27.72918415936065
227	125	91987	-221781.1413	784237.3170250766	39.27333041136141	-01.5825114	277223.58972324	4350288.244877525	3578.787076356054	3443.576328912485	3417.183101099556	3416.888388103154	26.39313861962245	26.39313861962245
228	125	91988	-221121.1413	784237.3170250766	39.27334551447945	-01.5801812	277424.6825042564	4350284.36325754	3581.08687923562	3442.71754724731	3416.2853147739146	3417.7301099385	26.4712744016625	24.94381264
229	125	91989	-220461.1413	784237.3170250766	39.27335957	-01.577851	277625.7708178867	4350280.303	3583.98662114471	3441.86305896307	3417.40991962737	3418.433068545794	24.7380923753461	22.46692538727567
230	125	91990	-219801.1413	784237.3170250766	39.27337558777316	-01.575328	277826.8599115214	4350276.24228921	3585.68245934822	3441.07336348282	3418.477134809309	3419.082540248379	22.59623054543769	21.99024952475693
231	125	91991	-219141.1413	784237.3170250766	39.2733905531209	-01.5731905	278027.8647862395	4350272.81803843	3588.496251569836	3440.2890951896843	3418.3858782032046	3419.62943477823	22.66921633959178	20.65915171809955
232	125	91992	-218481.1413	784237.3170250766	39.2734051073738	-01.5708603	278229.0340413962	4350268.125107648	3585.804091609339	3439.5305832284553	3420.069154078638	3419.594923241303	19.46142914981737	19.9356599715212
233	125	91993	-217821.1413	784237.3170250766	39.27342035515316	-01.5685301	278430.121878284	4350264.061400329	3588.117270057095	3438.79917658883	3419.9855959311535	3419.5619603919234	19.82001720566977	19.82001720566977
234	125	91994	-217161.1413	784237.3170250766	39.2734351825942	-01.5661998	278631.290974111	4350260.04181879	3584.4296234990184	3438.1017741910855	3420.076382990184	3419.2336911071	18.02541593206782	18.96853728001451
235	125	91995	-216501.1413	784237.3170250766	39.2734497635611	-01.5638986	278832.2960975965	4350259.942	3582.9591265058994	3437.935996440626	3419.851662863964	3418.35835532416	17.82001720566977	17.82001720566977
236	125	91996	-215841.1413	784237.3170250766	39.27346471943421	-01.5615384	279033.3628798674	4350251.882211515	3580.705857372183	3436.8070575957475	3417.476701520697	3417.187148	16.9300047865042	16.9300047865042
237	125	91997	-215181.1413	784237.3170250766	39.27347941752069	-01.5592091	279234.469443887	4350247.82288964	3578.1925621384364	3435.2187053671	3416.62489716342	3417.6042583374947	20.04969732329235	18.96853728001451
238	125	91998	-214521.1413	784237.3170250766	39.27349407505853	-01.5568789	279435.5557904084	4350243.76309615	3576.1992669764524	3436.6517266947308	3414.657141860762	3414.558267246527	20.94584637178052	21.09345097078507
239	125	91999	-213861.1413	784237.3170250766	39.27350876646685	-01.5545487	279636.6419	4350239.740722394	3573.2047241366874	3435.126596519221	3412.868605449514	3412.1595830141519	22.25679102426966	22.25679102426966
240	125	92000	-213201.1413	784237.3170250766	39.27352324169515	-01.5522184	279837.7278312102	4350235.46530969	3569.468182124927	3434.637290040014	3410.82373596231	3409.640794650551	23.3354041663338	24.9963495
241	125	92001	-212541.1413	784237.3170250766	39.2735377597338	-01.5498882	280038.8319259056	4350231.587	3565.731896803041	3434.189586827787	3408.537438238394	3407.5054791067375	25.6485303493746	26.88017471021157
242	125	92002	-211881.1413	784237.3170250766	39.2735522376285	-01.5475479	280239.899037382	4350227.528932649	3561.73728923364	3433.7728923364	3405.1210633264	3405.160595975104	26.8512750974663	26.81291381682804
243	125	92003	-211221.1413	784237.3170250766	39.27356712913564	-01.545237	280440.9846	4350223.471	3552.69886	3432.9586962	3404.14514540375	3404.35814540375	26.8512750974663	26.81291381682804
244	125	92004	-210561.1413	784237.3170250766	39.27358104379142	-01.5428975	280642.0639036317	4350219.41268305	3554.151539110633	3433.093275788534	3399.2811052716975	3398.73627245337106	33.78892115684185	34.27545434822874
245	125	92005	-209901.1413	784237.3170250766	39.273595831798074	-01.5405672	280843.1542380629	4350216.159581022	3550.16759110983	3432.77482474041703	3395.935214	3396.37455126334	36.889111386005	36.4004652207684
246	125	92006	-209241.1413	784237.3170250766	39.2736096747772	-01.538237	281044.23850493	4350211.2917439	3548.136532314455	3432.51683745938	3391.660728250414	3396.070095845961	35.861104058158	36.4004652207684
247	125	92007	-208581.1413	784237.3170250766	39.27362382276749	-01.5359067	281245.3232470846	4350207.329723656	3541.8913071141	3432.29950564697334	3387.5671137125346	3387.5671137125346	36.9990440057221	36.9990440057221
248	125	92008	-207921.1413	784237.3170250766	39.27363813	-01.5335765	281446.40742804296	4350203.12484581	3537.2905560008354	3432.1119677610686	3382.78820375444	3382.658466202993	49.3237856354284	49.3237856354284
249	125	92009	-207261.1413	784237.3170250766	39.27365226389722	-01.5312642	281647.4913935759	4350198.125236289	3532.69886	3431.789236289	3381.735852148415	3381.735852148415	48.52438165898974	48.52438165898974
250	125	92010	-206601.1413	784237.3170250766	39.27366712913564	-01.528916	281848.5751438922	4350185.08467401	3529.05956384362	3431.0854457251585	3381.9517741472844	3381.9517741472844	46.1941099124166	46.1941099124166
251	125	92011	-205941.1413	784237.3170250766	39.2736804456703	-01.5265857	282049.6586791779	4350191.011755876	3524.527861264147	3431.765585	3381.61561863971	3377.171659346374	45.5942936770474	45.5942936770474
252	125	92012	-205281.1413	784237.3170250766	39.273694487516934	-01.5242555	282250.17419995684	4350182.55237895	3520.051265717017	3431.68361832714	3381.625032040626	3381.625032040626	44.8503311531156	44.8503311531156
253	125	92013	-204621.1413	784237.3170250766	39.27370845436755	-01.5219252	282451.8205105323	4350182.89804425	3519.955585307988	3431.4415386612196	3381.4747409924673	3382.8661066727273	79.6667898857272	78.57543319
254	125	92014	-203961.1413	784237.3170250766	39.2737224	-01.519595	282652.907997030	4350178.462176181	3517.0684489575	3429.981623599624	3380.420017582915	3380.420017582915	70.07740126971728	70.07740126971728
255	125	92015	-203301.1413	784237.3170250766	39.2737362266155	-01.5172467	282853.9606742794	4350174.76807851	3514.881487684965	3428.97163768959	3380.3411727	3380.3411727	73.6501498425588	73.6501498425588
256	125	92016	-202641.1413	784237.3170250766	39.27375012913564	-01.514945	283055.07137639	4350173.1214264	3512.91181454558	3428.91181454558	3380.4172079686	3380.4172079686	68.9745214105448	68.9745214105448
257	125	92017	-201981.1413	784237.3170250766	39.273763927015004	-01.5126042	283265.15387070107	4350166.75469092	3511.118510680953	3427.831604515372	3380.335975	3380.335975	70.43183529749202	70.43183529749202
258	125	92018	-201321.1413	784237.3170250766	39.27377769884176	-01.510274	283457.234227938	4350162.62078254	3509.23701821466	3427.78910931864	3380.57307355763	3380.57307355763	66.9567712	66.9567712
259	125	92019	-200661.1413	784237.3170250766	39.27379138774313	-01.5079437	283658.319245182	4350158.56449795	3506.487309173776	3419.7654208157663	3384.3478157439977	3384.3478157439977	65.54590141	65.54590141
260	125	92020	-200001.1413	784237.3170250766	39.27380505905185	-01.5056135	283859.4008489007	4350154.50986613	3502.866256145233	3417.75005872913	3386.7548325288894	3386.7548325288894	51.00017334042355	50.161579132337
261	125	92021	-199341.1413	784237.3170250766	39.27381866843028	-01.5032832	284060.48225129244	4350150.45046795	3500.42198231766	3415.7524709618	3386.4171251370544	3386.4171251370544	47.969215399583015	47.969215399583015
262	125	92022	-198681.1413	784237.3170250766	39.27383224125847	-01.500929	284261.5634339054	4350146.451	3496.634914488298	3414.79192269688	3384.9133536747013	3386.510256963724	48.8353830433116	47.2081390433116
263	125	92023	-198021.1413	784237.3170250766	39.273846327015004	-01.4986411	284462.64904025	4350142.348991134	3494.14572697967	3413.74832967967	3384.9133536747013	3386.510256963724	48.8353830433116	47.2081390433116
264	125	92024	-197361.1413	784237.3170250766	39.27385952188381	-01.4962924	284663.7516476107	4350139.090526115	3490.6792015	3413.0556788924	3384.9133536747013	3386.510256963724	48.8353830433116	47.2081390433116
265	125	92025	-196701.1413	784237.3170250766	39.2738726869086	-01.4939362	284864.805713543	4350134.237660454	3487.5987319631	3407.556024314				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatElevLog.ft	SatBoth.ft
342	125	92107	-142581.1413	874237.3170250766	39.27482141651574	-01.3028782	33522.708354859194	4349802.445338989	3367.625108434174	320.2982653756226	3206.838191764376	3205.271916391365	23.46070831124657	25.080348984257398
348	125	92108	-141921.1413	874237.3170250766	39.274831118371715	-01.3005478	301553.77199942368	434978.400692014	3386.055711509785	3227.955318142943	3204.235434969344	3202.187747619606	23.72006624903688	25.767784752330684
349	125	92109	-141261.1413	874237.3170250766	39.27484077521549	-01.2882175	301754.833854859194	434979.348683504	3384.54563687783	3225.801589128793	3204.341627912623	3204.341627912623	24.241627912623	25.29219941112444
350	125	92110	-140601.1413	874237.3170250766	39.2748503704704	-01.2598872	301955.8987219678	434979.400692014	3383.058958548231	3222.236921	3198.469919113835	3197.545834291347	24.767001585804087	25.519051737401394
351	125	92111	-139941.1413	874237.3170250766	39.27485983366633	-01.2353569	302156.9619713766	434979.229719395	3381.636350110287	3220.8651320917447	3195.2734585473324	3194.674383408065	25.591673544371588	26.1074986836745
352	125	92112	-139281.1413	874237.3170250766	39.27486947567337	-01.2912265	302358.0246664035	434978.255034498	3380.437009171982	3218.467385415502	3192.5614440692307	3193.654613427143	24.822860298872456	26.219394893678682
353	125	92113	-138621.1413	874237.3170250766	39.2748786246813	-01.2888962	302559.073474922	434978.21573467	3379.2376632327467	3216.103497688075	3189.76499022929	3194.947579476066	26.36199865142346	26.1159918212005417
354	125	92114	-137961.1413	874237.3170250766	39.27488834250595	-01.2865659	302760.1498346091	434977.180224441	3378.0383174757616	3213.710990320887	3186.945200707748	3191.801604	26.71789613012297	26.219394893678682
355	125	92115	-137301.1413	874237.3170250766	39.274897771020728	-01.2842536	302961.2121280833	434977.043107258	3376.895336899566	3211.308633789861	3184.198126638574	3185.7268517049425	27.118507040423727	26.181781974018577
356	125	92116	-136641.1413	874237.3170250766	39.27490711277853	-01.2819052	303162.274273871	434976.106174217	3374.69167292442	3208.8950364596785	3181.484904226744	3180.9571671787	27.41013223394	26.7957175
357	125	92117	-135981.1413	874237.3170250766	39.27491640952396	-01.2795749	303363.33614581	434976.06429005	3373.5827252725577	3206.470328895876	3178.537679449956	3176.2001455720284	27.93259439627764	26.320714557702282
358	125	92118	-135321.1413	874237.3170250766	39.2749256125703	-01.2772446	303564.3947842564	434976.038277116	3373.362377560873	3204.038092455226	3175.997415615836	3173.0356993727675	28.040634989268656	26.13021958682515
359	125	92119	-134661.1413	874237.3170250766	39.27493486797774	-01.2749143	303765.4594	434975.939621746	3372.386801820806	3201.600159785125	3173.5038032497413	3170.161060342104	28.09185728712173	26.4100944298457
360	125	92120	-134001.1413	874237.3170250766	39.27494402968602	-01.2725839	303966.520697075	434975.490320825	3371.600138938364	3199.158191906356	3170.8663653241055	3169.1262637211242	28.16143841225098	26.4100944298457
361	125	92121	-133341.1413	874237.3170250766	39.27495314638184	-01.2702536	304167.5819326721	434975.452423173	3370.871693989318	3198.755942697646	3168.71934966411	3165.139759	28.35473973253776	26.57733756414725
362	125	92122	-132681.1413	874237.3170250766	39.274962218065284	-01.267923	304368.547760327	434974.888521643	3370.027334489477	3194.2702290427	3165.48568518127	3162.695801629544	28.78454716039025	26.57733756414725
363	125	92123	-132021.1413	874237.3170250766	39.274971244736236	-01.2650929	304569.7032572482	434974.875209384	3368.1903831373735	3192.82932424404	3162.7819178485053	3160.1871911214984	29.04740376	26.64267014290545
364	125	92124	-131361.1413	874237.3170250766	39.274980236239473	-01.2632626	304760.764086225	434973.317473944	3366.383637619379	3189.39446177948	3160.288917895297	3157.19104699997	29.10554336921099	26.471357707825091
365	125	92125	-130701.1413	874237.3170250766	39.27498916304072	-01.2609323	304971.8245465925	434972.9278	3367.445335137865	3186.968237194356	3157.539422963457	3154.28847869331	29.42881432089875	26.514578051024974
366	125	92126	-130041.1413	874237.3170250766	39.27499805467421	-01.2586019	305127.884631407	434972.574717717	3366.56836931126	3184.5546210552516	3154.793258707455	3152.967347345996	29.76136225779645	26.5867186051964
367	125	92127	-129381.1413	874237.3170250766	39.27500691029517	-01.2562716	305373.94461624266	434972.172313188	3365.091795132329	3182.176707328656	3152.129893440261	3150.528864797905	30.02681525451687	26.62786095026876
368	125	92128	-128721.1413	874237.3170250766	39.27501570691389	-01.2539411	305575.7046103989	434971.6176752303	3363.011192650713	3179.756502476674	3148.509427666714	3148.134806376016	30.16419627106484	26.62786095026876
369	125	92129	-128061.1413	874237.3170250766	39.27502454694941	-01.2516215	305776.064137384	434971.043142252	3361.84719336385	3177.84916293857	3146.847519292444	3145.87176921492	30.3165497623544	26.62786095026876
370	125	92130	-127401.1413	874237.3170250766	39.27503317	-01.2492086	305977.123426458	434970.6083943	3358.05805969384	3175.08218052302	3144.62620746596	3143.481424	30.61943773235938	26.62786095026876
371	125	92131	-126741.1413	874237.3170250766	39.2750418763539	-01.2469503	306178.18264879123	434970.57472436	3356.799112854030	3172.722006577005	3142.077822222953	3141.29602564391	30.89330847421797	26.61478100800394
372	125	92132	-126081.1413	874237.3170250766	39.27505045921147	-01.2446199	306379.2416809127	434970.540797251	3354.777786809256	3170.487233636896	3139.759445344243	3139.1875164608126	30.72837801944651	26.61478100800394
373	125	92133	-125421.1413	874237.3170250766	39.2750593575692	-01.2422896	306580.3005233604	434969.507507873	3352.76544090541	3168.227195053405	3137.529806127082	3137.117161422395	30.69073883	26.61478100800394
374	125	92134	-124761.1413	874237.3170250766	39.27506756729396	-01.2399953	306781.3592751519	434969.437004485	3350.735104931477	3165.988044838736	3135.2223305097065	3134.963176003816	30.76770942416715	26.61478100800394
375	125	92135	-124101.1413	874237.3170250766	39.27507656381469	-01.2376788	306982.417738804	434969.40449494	3348.233698597838	3163.766496464638	3133.23595878	3132.89991101467895	30.8153776234557	26.61478100800394
376	125	92136	-123441.1413	874237.3170250766	39.27508445215154	-01.235398	307184.4701142724	434969.40449494	3345.260317344514	3161.454524988913	3131.44524988913	3129.8749234504	30.93692454696	26.61478100800394
377	125	92137	-122781.1413	874237.3170250766	39.2750931891632	-01.2329862	307384.53409561806	434969.33796248	3342.29423160859	3159.35713736203	3128.895373448604	3128.895157866648	30.6461763913472	26.61478100800394
378	125	92138	-122121.1413	874237.3170250766	39.27510124	-01.2306379	307585.5919008164	434967.741715782	3340.3214847304	3157.157945474534	3126.924133870937	3126.969036062967	30.233807107440043	26.61478100800394
379	125	92139	-121461.1413	874237.3170250766	39.2751095497672	-01.2283076	307786.646972875	434967.33056308	3338.271784306666	3154.560490492517	3125.10254982772	3125.14951999969	30.28578300247968	26.61478100800394
380	125	92140	-120801.1413	874237.3170250766	39.27511781122432	-01.2259772	307987.70712517182	434966.276138105	3336.1759336066	3152.70609452333	3123.24820108899	3123.38747240793	30.5098563636497	26.61478100800394
381	125	92141	-120141.1413	874237.3170250766	39.27512602768186	-01.2236489	308188.7645471203	434965.23300889	3330.04149536102	3150.554636816704	3121.37122038432	3121.3623056153147	30.78742703262103	26.61478100800394
382	125	92142	-119481.1413	874237.3170250766	39.2751341909925	-01.2213615	308399.12147164	434965.21181105	3328.92434380545	3148.22573408537	3119.44524988913	3119.44524988913	30.78742703262103	26.61478100800394
383	125	92143	-118821.1413	874237.3170250766	39.275142255175	-01.2189862	308590.8786353295	434965.17989642	3326.11634460267	3146.0486760055705	3117.4621136108503	3117.4621136108503	30.78742703262103	26.61478100800394
384	125	92144	-118161.1413	874237.3170250766	39.2751504092304	-01.2166559	308791.93540522875	434965.148315603	3319.51176836494	3143.829112779559	3115.47177249297	3115.924253149784	30.78742703262103	26.61478100800394
385	125	92145	-117501.1413	874237.3170250766	39.2751584431573	-01.2143255	308992.991983388	434964.116829275	3315.609801523494	3141.553338427415	3113.54881939165	3114.011403661914	30.80545465	26.61478100800394
386	125	92146	-116841.1413	874237.3170250766	39.2751664369558	-01.2119952	309194.0483247164	434964.05830647	3311.707834211923	3139.256604804873	3111.650444876303	3112.243390176595	30.78742703262103	26.61478100800394
387	125	92147	-116181.1413	874237.3170250766	39.275174381062584	-01.2096648	309395.1405779193	434964.05419174	3308.1193484110706	3136.938989747985	3108.8846492030763	3107.6037479422158	30.61943773235938	26.61478100800394
388	125	92148	-115521.1413	874237.3170250766	39.27518226417015	-01.2073435	309596.16059470165	434963.073	3304.84385276254	3134.598576140275	3106.126144233712	3106.29817518186	30.47226171690408	26.61478100800394
389	125	92149	-114861.1413	874237.3170250766	39.275190387287295	-01.2050121	309797.2345676704	434963.073	3302.944353185797	3132.44524988913	3104.44524988913	3104.44524988913	30.47226171690408	26.61478100800394
390	125	92150	-114201.1413	874237.3170250766	39.2751978906338	-01.2026738	309992.991983388	434962.9622130084	3300.292559	3129.855182212605	3104.116333333333	3105.718925671	30.7398747302654	26.61478100800394
391	125	92151	-113541.1413	874237.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.N	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SatfElevKgr.f	SatfBoth.f
473	125	92233	-59421.14133	784237.3170250766	-39.75689937412064	-101.0092537	326685.260703896	3439295.080162835	3141.635795992104	2881.1753741701163	2896.9745584304646	2904.3925959215207	84.20081568025171	76.7924149
474	125	92234	-58761.14133	784237.3170250766	-39.7569304342175	-101.006223	326886.3014615335	3439291.065350954	3140.4967175046874	2890.4336774014314	2895.694584430529	2898.2504930311157	84.2387187900248	76.8118437031166
475	125	92235	-58101.14133	784237.3170250766	-39.75697389290082	-101.0044929	327087.3420090986	3439287.560723536	3138.291961976612	2889.7033927241836	2894.93399215719	2894.93399215719	85.023072418366	76.821395857374
476	125	92236	-57441.14133	784237.3170250766	-39.75701339682434	-101.002625	327288.3823713446	3439283.30627052	3138.254935312511	2879.9840776829641	2892.49274448285	2892.83334710921	86.4913230296411	86.150730102842
477	125	92237	-56761.14133	784237.3170250766	-39.757052764841985	-100.9999322	327489.4225731206	3439279.02203735	3138.792012865265	2878.26460438231	2890.987349707451	2894.359020331735	87.12771668485997	83.90558405749607
478	125	92238	-56121.14133	784237.3170250766	-39.7570907498768	-100.9976108	327690.466064413	3439276.907137136	3137.3330938326244	2877.540025	2891.333955233529	2891.333955233529	86.20669652230365	76.350143650455
479	125	92239	-55461.14133	784237.3170250766	-39.75711880119485	-100.9952714	327891.50247148576	3439270.994039368	3136.5514590118594	2876.8071694118594	2892.67438209453	2894.3283070087636	84.13229120456258	72.1748040425578
480	125	92240	-54801.14133	784237.3170250766	-39.757126602473434	-100.992941	328092.54216469544	3439266.90435025	3135.432220878278	2876.058416055718	2893.7292622555527	2904.684590475353	81.32971493013529	71.19395030736072
481	125	92241	-54141.14133	784237.3170250766	-39.757203554148	-100.9906106	328293.58169758716	3439262.96898971	3134.291296307845	2875.19161976612	2895.158471409793	2894.869692638377	81.3386425635981	70.42281014797442
482	125	92242	-53481.14133	784237.3170250766	-39.7572402543161	-100.9882203	328495.635538362	3439257.95383362	3132.7193592528065	2874.5041662142794	2897.485059375197	2897.485059375197	77.01056329007	90.859753630232
483	125	92243	-52821.14133	784237.3170250766	-39.75726705050786	-100.9859499	328695.6602530738	3439254.50435673	3124.26248228584	2873.6413892998707	2900.744406828204	2878.604873439324	72.019562017732	94.884573360438
484	125	92244	-52161.14133	784237.3170250766	-39.7573123057019	-100.9836195	328896.69975784953	3439250.5710091	3121.516740290593	2872.66291632907	2904.548304189138	2880.753628480167	83.145654476988	92.10936312529321
485	125	92245	-51501.14133	784237.3170250766	-39.757374765618594	-100.9812891	329097.731858664	3439246.915	3118.77305959045	2872.013803723674	2908.22531751293	2882.480170322887	83.78848592107425	89.760075700875
486	125	92246	-50841.14133	784237.3170250766	-39.757382555308	-100.9798587	329298.77683189205	3439242.90186023	3116.031432	2871.150153	2911.3808593212397	2878.475007431737	90.76923944972041	92.60314534922327
487	125	92247	-50181.14133	784237.3170250766	-39.7574170087366	-100.9786284	329499.8153587625	3439238.89	3114.255005251159	2870.275488482343	2913.91891860112233	2883.815675047533	96.8636063710526	96.8636063710526
488	125	92248	-49521.14133	784237.3170250766	-39.7574510060229	-100.9764298	329700.8375195122	3439234.87760894	3112.165811136704	2869.392031217924	2915.255021774717	2890.350231157255	91.364290742309	94.70970753994
489	125	92249	-48861.14133	784237.3170250766	-39.7574845567298	-100.974976	329901.819	3439230.865003345	3110.503368532201	2868.503925467304	2915.2963179078345	2904.53545411608	93.51673888991	63.96363737420406
490	125	92250	-48201.14133	784237.3170250766	-39.757517565517	-100.9696372	330102.9209359526	3439226.357788335	3108.840721769675	2867.61048958595	2913.960352669091	2901.535067121294	95.066238738077	72.959628738077
491	125	92251	-47541.14133	784237.3170250766	-39.7575503616494	-100.9673608	330303.9678016577	3439222.84214184	3107.106101231171	2866.75187453282	2911.7345	2915.088847	54.9813613273199	51.6258699237173
492	125	92252	-46881.14133	784237.3170250766	-39.7575825056732	-100.9649765	330505.004997865	3439218.830966738	3106.124115417965	2865.820241919937	2910.540632567145	2913.0789891696277	52.7415062301868	52.7415062301868
493	125	92253	-46221.14133	784237.3170250766	-39.7576142550416	-100.9626461	330706.403286723	3439214.815430465	3104.92752950881	2864.254858620703	2913.32921218841	2913.32921218841	51.6016732423168	52.532391930277954
494	125	92254	-45561.14133	784237.3170250766	-39.757645554705	-100.9603157	330907.0803942807	3439210.80361259	3103.652343599648	2863.73397609485	2917.785012912562	2914.342750504843	46.24436319	50.8592659300714
495	125	92255	-44901.14133	784237.3170250766	-39.75767640336864	-100.958003	331124.3374533676	3439207.158489694	3102.432186937815	2862.8427607158194	2918.492186937815	2918.492186937815	45.67070715378	50.8592659300714
496	125	92256	-44241.14133	784237.3170250766	-39.757708023096	-100.9555649	331309.1546307345	3439202.78573412	3103.82023685315	2862.2340348676	2919.217701536403	2910.3844854349754	43.0256028034676	51.5581895179273
497	125	92257	-43581.14133	784237.3170250766	-39.7577378	-100.9532246	331510.1915091851	3439197.7265996	3103.351709833334	2861.353740783156	2919.518238029575	2914.286584583037	40.0567156200476	50.8592659300714
498	125	92258	-42921.14133	784237.3170250766	-39.7577662497873	-100.9509942	331711.228208691	3439194.7653272	3104.87327368139	2860.46718	2919.093645785998	2916.727651240076	41.3678148672008	43.739244124926
499	125	92259	-42261.14133	784237.3170250766	-39.7577952983167	-100.9486638	331912.2645157886	3439193.75579234	3103.9351611908423	2859.585346788664	2917.9644411092138	2915.905390661545	43.92550677632436	43.92550677632436
500	125	92260	-41601.14133	784237.3170250766	-39.7578239677057	-100.9463334	332113.30133233	3439186.745839269	3103.52083459007	2858.7084428905307	2917.627280889896	2916.5813132951696	41.106126099363155	42.120376938411
501	125	92261	-40941.14133	784237.3170250766	-39.75785490449548	-100.944003	332314.3374533676	3439184.57230316	3102.5749231216	2857.8407317198	2917.70109189524	2917.70109189524	40.0567156200476	50.8592659300714
502	125	92262	-40281.14133	784237.3170250766	-39.75788747307725	-100.9416726	332515.734969706	3439182.654966564	3101.567780165835	2856.856447077567	2908.0856195078904	2907.97039212296	42.4050256966256	42.7566119130646
503	125	92263	-39621.14133	784237.3170250766	-39.7579069014554	-100.9393423	332716.4093847491	3439174.70177059	3098.930390312555	2856.084361699317	2918.8583913757517	2919.018453	37.2253854156528	37.0689283185702
504	125	92264	-38961.14133	784237.3170250766	-39.7579373788738	-100.9370119	332917.451096837	3439170.7079149	3098.910930930303	2855.209253178895	2917.65902875578	2917.65902875578	35.7353503032071	37.2253854156528
505	125	92265	-38301.14133	784237.3170250766	-39.7579601365615	-100.9346815	333118.4806716769	3439162.69887813	3086.19486146904	2854.334375185	2915.9959990515577	2916.91594	33.4847470032104	38.1384296171771
506	125	92266	-37641.14133	784237.3170250766	-39.7579860341088	-100.9323511	333319.5167093477	3439162.69887813	3084.76792003423	2853.459053052433	2914.1097007135204	2914.1097007135204	39.394999172289	39.3208583
507	125	92267	-36981.14133	784237.3170250766	-39.7580114815158	-100.9300027	333520.5510037611	3439158.81392768	3079.610118545836	2852.584831706474	2912.179976740344	2912.179976740344	40.404653032071	40.3760379032164
508	125	92268	-36321.14133	784237.3170250766	-39.7580427047812	-100.9276938	333721.586320676	3439154.57230316	3077.588971	2851.71019895196	2912.104281161629	2912.104281161629	41.567070715378	41.567070715378
509	125	92269	-35661.14133	784237.3170250766	-39.758069102590806	-100.92536	333922.621294343	3439150.6666564	3076.557780165835	2850.856447077567	2908.0856195078904	2907.97039212296	42.4050256966256	42.7566119130646
510	125	92270	-35001.14133	784237.3170250766	-39.7580851229395	-100.9230296	334123.65604470903	3439146.656574505	3075.545689313	2849.960757085933	2905.902335139394	2905.826904949799	44.0584219462935	41.1320655894336
511	125	92271	-34341.14133	784237.3170250766	-39.75810876973814	-100.9206992	334324.690033622	3439142.466573131	3069.71663746602	2849.040150708186	2904.128737570385	2904.02504505254	45.081566182442	45.081566182442
512	125	92272	-33681.14133	784237.3170250766	-39.7581319664422	-100.9183688	334525.7251	3439138.64062433	3068.478033799083	2848.2051679113075	2903.632696497887	2903.632696497887	45.1435751237372	45.1435751237372
513	125	92273	-33021.14133	784237.3170250766	-39.7581547130054	-100.9160384	334726.732635594	3439134.33436401	3058.439337375658	2847.32987884079	2902.731381058861	2902.731381058861	45.19506025218065	45.19506025218065
514	125	92274	-32361.14133	784237.3170250766	-39.7581770094279	-100.9137378	334927.7934311061	3439130.6269073	3052.800376407848	2846.430784056287	2901.643719107694	2901.643719107694	44.795704949571	44.68864766265306
515	125	92275	-31701.14133	784237.3170250766	-39.75820844954168	-100.9114728	335124.3374533676	3439126.57230316	3051.765335698542	2845.796133891654	2901.765335698542	2901.765335698542	43.8592659300714	43.8592659300714
516	125	92276	-31041.14133	784237.3170250766	-39.7582392518506	-100.9090473	335329.89612	3439122.611978234	3050.77410441107	2844.68054762054	2901.81835733983	2900.919403919214	42.6050256966256	42.7566119130646
517	125	92277	-30381.14133	784237.3170250766	-39.75826211978506	-100.9067169	335530.8497808284							

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurElev.f	W.Lt.	BRIElevLogs.kg.f	BRIElevBoth.kg.f	SatElevBoth.kg.f	LatLthBoth.f
95	92359	23738.8586770335	874237.3170250766	39.27584269382664	-100.7156251	320515.1254445131	3438790.683991698	2167.250680397794	220.596850000367	2752.1366481953587	2752.062859753891	284.60261680547801	68.5340524694553
600	125	92360	24398.8586770335	874237.3170250766	39.2758416022515336	-100.7132947	352216.1464614317	3438790.682723333	216.225523914478	2818.112689583275	2753.2716317178374	2753.2004530134377	64.9123637488974
601	125	92361	25048.8586770335	874237.3170250766	39.27584036966221	-100.7132947	352216.1464614317	3438790.682723333	216.225523914478	2818.112689583275	2753.2716317178374	2753.2004530134377	64.9123637488974
602	125	92362	25708.8586770335	874237.3170250766	39.27583763405697	-100.7086339	35218.1860556334	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
603	125	92363	26338.8586770335	874237.3170250766	39.27583587441514	-100.7063305	35218.1860556334	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
604	125	92364	26708.8586770335	874237.3170250766	39.2758343058094	-100.703731	35320.220984627	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
605	125	92365	27698.8586770335	874237.3170250766	39.2758321691423	-100.7016428	35322.249401036	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
606	125	92366	28348.8586770335	874237.3170250766	39.2758305750445	-100.6993124	35342.2696	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
607	125	92367	29018.8586770335	874237.3170250766	39.2758283083565	-100.696862	35362.2696362	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
608	125	92368	29678.8586770335	874237.3170250766	39.2758262914254	-100.694516	35382.2696362	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
609	125	92369	30338.8586770335	874237.3170250766	39.2758245240415	-100.6923212	35402.2991026	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
610	125	92370	30998.8586770335	874237.3170250766	39.275822160724246	-100.689908	35422.348784096	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
611	125	92371	31658.8586770335	874237.3170250766	39.2758200239396	-100.6876064	35442.36832593	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
612	125	92372	32318.8586770335	874237.3170250766	39.27581784224958	-100.6853301	35462.3874775544	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
613	125	92373	32978.8586770335	874237.3170250766	39.27581561549115	-100.682997	35482.406781017	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
614	125	92374	33638.8586770335	874237.3170250766	39.2758134031182	-100.680693	35502.4257478401	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
615	125	92375	34298.8586770335	874237.3170250766	39.27581102693026	-100.6783389	35522.4446371731	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
616	125	92376	34958.8586770335	874237.3170250766	39.27580865113136	-100.676005	35542.463638304	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
617	125	92377	35618.8586770335	874237.3170250766	39.2758062583166	-100.6736781	35562.4819954387	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
618	125	92378	36278.8586770335	874237.3170250766	39.27580396048786	-100.6713478	35582.500647849	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
619	125	92379	36938.8586770335	874237.3170250766	39.2758013094501	-100.6690174	35602.518794525	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
620	125	92380	37598.8586770335	874237.3170250766	39.27579876778811	-100.666687	35622.53656942167	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
621	125	92381	38258.8586770335	874237.3170250766	39.27579613719954	-100.6643616	35642.554772292	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
622	125	92382	38918.8586770335	874237.3170250766	39.2757935403222	-100.6620292	35662.5724354131	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
623	125	92383	39578.8586770335	874237.3170250766	39.27579087213323	-100.6596958	35682.59072161454	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
624	125	92384	40238.8586770335	874237.3170250766	39.27578815020194	-100.6573655	35702.6083657148	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
625	125	92385	40898.8586770335	874237.3170250766	39.2757853293914	-100.6550351	35722.6258532784	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
626	125	92386	41558.8586770335	874237.3170250766	39.27578271352046	-100.6527407	35742.64321164956	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
627	125	92387	42218.8586770335	874237.3170250766	39.27577971236954	-100.650416	35762.661672292	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
628	125	92388	42878.8586770335	874237.3170250766	39.2757771247878	-100.6480939	35782.68001547126	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
629	125	92389	43538.8586770335	874237.3170250766	39.2757746544473	-100.6457138	35802.6984595503	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
630	125	92390	44198.8586770335	874237.3170250766	39.27577207344615	-100.6433832	35822.711367107	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
631	125	92391	44858.8586770335	874237.3170250766	39.27576973643503	-100.6410528	35842.72803841	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
632	125	92392	45518.8586770335	874237.3170250766	39.27576715440994	-100.6387224	35862.7445711894	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
633	125	92393	46178.8586770335	874237.3170250766	39.275764612737087	-100.636392	35882.760695474	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
634	125	92394	46838.8586770335	874237.3170250766	39.27576207139854	-100.6340616	35902.7772292	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
635	125	92395	47498.8586770335	874237.3170250766	39.27575953282507	-100.6317312	35922.79513820587	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
636	125	92396	48158.8586770335	874237.3170250766	39.275756916716981	-100.6294009	35942.809321585	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
637	125	92397	48818.8586770335	874237.3170250766	39.275754366074865	-100.6270705	35962.8319439026	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
638	125	92398	49478.8586770335	874237.3170250766	39.27575179169598	-100.6247401	35982.8490109272	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
639	125	92399	50138.8586770335	874237.3170250766	39.27574911984313	-100.6224097	36002.8654919386	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
640	125	92400	50798.8586770335	874237.3170250766	39.275746577706376	-100.6200793	36022.88193773167	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
641	125	92401	51458.8586770335	874237.3170250766	39.27574403111325	-100.6177484	36042.896561404	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
642	125	92402	52118.8586770335	874237.3170250766	39.2757414839104	-100.6154188	36062.90242228	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
643	125	92403	52778.8586770335	874237.3170250766	39.2757278121252	-100.6130882	36082.917465398	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
644	125	92404	53438.8586770335	874237.3170250766	39.2757250290207	-100.6107578	36102.933270279	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
645	125	92405	54098.8586770335	874237.3170250766	39.275720591817316	-100.6084274	36122.941443607	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
646	125	92406	54758.8586770335	874237.3170250766	39.27571789593475	-100.6060971	36142.961782789	343877.781	216.12645563468	2813.100873496877	2753.77771640183	2754.527112492533	58.96317610274337
647	125	92407	55418.8586770335	8									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
725	125	92485	10868.95867307335	874237.31720520766	39.27528137011768	-100.4219891	377342.1722661102	434289.238722637	2763.105041942813	263.40719227689713	2562.0655375246693	2561.7847930202598	63.34165475230202	68.62223997437349
726	125	92486	10875.85867307335	874237.31720520766	39.27627405771577	-100.4196876	377343.1768432419	434829.2507606565	2629.058238698907	2662.381134522217	2562.2512717909097	2562.381134522217	66.807002	68.62223997437349
727	125	92487	10882.85867307335	874237.31720520766	39.2765929607286	-100.4173274	377344.170302638	434931.302838293	2621.383246865453	2653.7938972348984	2563.59375	2563.7938972348984	64.2094133006469	64.2094133006469
728	125	92488	10885.85867307335	874237.31720520766	39.2765929607286	-100.4150071	377345.1799452583024	434927.335309011	2747.597057495076	2628.381849040977	2564.5357657602291	2564.8251732349864	61.853080821905574	61.5021249111286
729	125	92489	10905.85867307335	874237.31720520766	39.27625184773187	-100.4126767	378146.7299	434829.7367983109	2743.810812023963	2625.0636137769916	2565.721665916008	2565.885721114493	59.3744176608351	59.1778926239679
730	125	92490	11018.85867307335	874237.31720520766	39.2754453437786	-100.4103464	378347.73380801154	434829.7367983109	2740.024724851167	2623.745438323257	2566.46631064888	2567.161168261783	57.27880725833755	57.27880725833755
731	125	92491	11085.85867307335	874237.31720520766	39.27526386101089	-100.4080816	378548.7379720199	434826.417222009	2739.932977178552	2622.471332980848	2567.0759928010185	2567.2588835199294	55.35203041706622	55.1682497185134
732	125	92492	11115.85867307335	874237.31720520766	39.275292323061	-100.405867	378749.7418	434826.417222009	2734.535659671414	2621.106339677822	2568.615340963626	2567.47273738396	54.2909699146921	53.63523238658
733	125	92493	11217.85867307335	874237.31720520766	39.27522160423799	-100.4035853	378962.5210439864	434825.7367983109	2747.138334411727	2619.7830612872335	2568.935845154877	2568.7045779745849	53.84776770745849	53.078473
734	125	92494	11238.85867307335	874237.31720520766	39.27521393683209	-100.401025	379151.7452011776	434825.5334	2750.74111052315	2618.457267330214	2564.95181132924	2564.737909241922	53.8554511401221	53.7192740406872
735	125	92495	11349.85867307335	874237.31720520766	39.2750621241235	-100.3988948	379352.7572776249	434829.567417676	2745.82550890446	2617.1288991567975	2561.892471655757	2562.0016410713307	55.2426351004036	55.1272518446881
736	125	92496	11415.85867307335	874237.31720520766	39.27519484981506	-100.3963643	379553.7561844474	434824.613022629	2732.391829161022	2615.7978757794326	2559.5296380231253	2560.46081451019	56.2383997730035	56.17149324813425
737	125	92497	11418.85867307335	874237.31720520766	39.27519064053684	-100.394034	379574.7595	434824.613022629	2732.391829161022	2615.7978757794326	2559.5296380231253	2560.46081451019	56.2383997730035	56.17149324813425
738	125	92498	11547.85867307335	874237.31720520766	39.2751827807932	-100.3917036	379955.7626670174	434827.696827387	2705.524467864193	2613.127453059865	2550.551292744844	2553.4769221602796	56.2383997730035	56.17149324813425
739	125	92499	11618.85867307335	874237.31720520766	39.2761748890891	-100.389373	380156.76573318196	434823.704066983	2700.570171511899	2611.787817	2547.1818713333097	2550.551292744844	56.2383997730035	56.17149324813425
740	125	92500	11678.85867307335	874237.31720520766	39.2751699412562	-100.387029	380357.76868453727	434822.799	2704.0989628537	2610.445122324258	2546.814070391228	2545.5971471618936	63.6110523410543	62.84797510388926
1	126	92501	-370941.1431	874897.31720520766	39.27057516867129	-102.1091449	231775.66580172232	432.1018149	4005.600947849563	11.004888794481	3749.8257180758815	3749.36779876221	61.8108685826011	61.8108685826011
2	126	92502	-370281.1431	874897.31720520766	39.270600443710724	-102.1068149	231976.8901460582	432.1068149	4005.6544027600392	3743.348276170098	3744.195372082486	3744.195372082486	64.8277132274411	64.8277132274411
3	126	92503	-369621.1431	874897.31720520766	39.27062567	-102.1044849	232177.951961586	432.1044849	4006.1190542097	3807.535520707926	3741.598603658318	3742.006268790387	65.9362034	65.9292519713536
4	126	92504	-368961.1431	874897.31720520766	39.270650858756916	-102.1021549	232379.0944281617	432.1021549	4006.306048116707	3804.0369840116707	3740.833998425066	3740.8471461430074	65.203804916408	65.3895342666328
5	126	92505	-368301.1431	874897.31720520766	39.270719598781556	-102.0998249	232880.237058531	432.0998249	4008.332102170785	3804.525662644685	3738.570311913715	3738.20870627884	65.952057150954	66.31685639
6	126	92506	-367641.1431	874897.31720520766	39.2707105380412	-102.0974849	232817.3752089548	432.0974849	4010.7202055212035	3803.02138422487	3738.59011321728	3736.564146999658	64.412028	64.4373627255931
7	126	92507	-366981.1431	874897.31720520766	39.2707105380412	-102.095149	232817.3752089548	432.095149	4010.7202055212035	3803.02138422487	3738.59011321728	3736.564146999658	64.412028	64.4373627255931
8	126	92508	-366321.1431	874897.31720520766	39.270751148492976	-102.0928349	233183.662747586	432.0928349	4012.1185228272	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
9	126	92509	-365661.1431	874897.31720520766	39.270761070885451	-102.0905049	233384.8070505027	432.0905049	4012.51658922887	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
10	126	92510	-365001.1431	874897.31720520766	39.270801023873084	-102.0881749	233585.94516177685	432.0881749	4012.913564520306	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
11	126	92511	-364341.1431	874897.31720520766	39.270825388476	-102.0858449	233787.08589876756	432.0858449	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
12	126	92512	-363681.1431	874897.31720520766	39.27085072	-102.0835149	233988.226516864	432.0835149	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
13	126	92513	-363021.1431	874897.31720520766	39.27085072	-102.081161	234189.3696507372	432.081161	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
14	126	92514	-362361.1431	874897.31720520766	39.27085072	-102.078859	234350.59056712752	432.078859	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
15	126	92515	-361701.1431	874897.31720520766	39.270924933077114	-102.0765249	234561.6467	432.0765249	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
16	126	92516	-361041.1431	874897.31720520766	39.2709456890727	-102.0741949	234792.78616675491	432.0741949	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
17	126	92517	-360381.1431	874897.31720520766	39.270974618904296	-102.0718648	234993.92541238444	432.0718648	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
18	126	92518	-359721.1431	874897.31720520766	39.27099873289968	-102.0695348	235195.0649351833	432.0695348	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
19	126	92519	-359061.1431	874897.31720520766	39.27102323380968	-102.0672048	235396.201755835	432.0672048	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
20	126	92520	-358401.1431	874897.31720520766	39.27102323380968	-102.064749	235597.3417987263	432.064749	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
21	126	92521	-357741.1431	874897.31720520766	39.27107211886584	-102.0625447	235798.4759817167	432.0625447	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
22	126	92522	-357081.1431	874897.31720520766	39.271066438349356	-102.0602147	235999.61770209105	432.0602147	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
23	126	92523	-356421.1431	874897.31720520766	39.27112082383003	-102.0578847	236200.7553737206	432.0578847	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
24	126	92524	-355761.1431	874897.31720520766	39.2711451080784	-102.0555547	236401.892783365	432.0555547	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
25	126	92525	-355101.1431	874897.31720520766	39.27116935	-102.0532246	236601.892783365	432.0532246	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
26	126	92526	-354441.1431	874897.31720520766	39.271193543754929	-102.0508486	236804.166199941	432.0508486	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
27	126	92527	-353781.1431	874897.31720520766	39.27121765846258	-102.0482454	237017.3584648258	432.0482454	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
28	126	92528	-353121.1431	874897.31720520766	39.27124718856584	-102.0459427	237246.3908171771	432.0459427	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
29	126	92529	-352461.1431	874897.31720520766	39.2712685865199	-102.0439045	237407.5791729576	432.0439045	4011.38089	3739.591786249642	3733.2453853409575	3736.40400988467	66.48213152	66.48213152
30	126	92530	-351801.1431	874897.31720520766	39.2712897361151	-102.0415745	237608.7117620398	432.0415745	4011.38089	3739.591786249642	3733			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	Surf.Elev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatH.Kgms.f	SatHBoth.f
111	126	92611	-298341.1413	874897.3170250766	39.273089562583405	-101.8528366	25899.86895047425	4350962.068293793	3796.954297775726	3586.0223384660508	3521.276272980873	3486.72803984253	74.6066557417745	99.3142964079792
112	126	92612	-297681.1413	874897.3170250766	39.273105560301765	-101.8505065	25410.9047433132	4350957.38560204395	3793.9618992020439	3584.5405176162276	3521.49047042692	3469.826107850416	75.036507535342	114.7144138
113	126	92613	-297081.1413	874897.3170250766	39.273122362960865	-101.8481763	25430.2066922602	4350969.801977463	3790.946896816243	3583.28924924484	3521.5746327072167	3475.298679782728	75.12581268812996	107.7281268812996
114	126	92614	-296361.1413	874897.3170250766	39.27314646447795	-101.8458461	25437.1464447795	4350973.8918104216	3787.974830536495	3581.508251336584	3521.425838	3475.475416304185	68.04261470418246	106.3030800420696
115	126	92615	-295701.1413	874897.3170250766	39.273166654011966	-101.843516	25470.3288626646	4350945.736420886	3785.122833670814	3578.981950549436	3521.211522	3472.589188985975	58.7704246786621	107.3827607086113
116	126	92616	-295014.1413	874897.3170250766	39.2731867853857	-101.841158	25490.54403834092	4350941.653274517	3782.412354727086	3578.451302718876	3520.9197529720814	3467.301189927604	57.547497467545	111.421276171549
117	126	92617	-294381.1413	874897.3170250766	39.273206806834	-101.8388557	25510.65571616188	4350937.572	3779.87178277555	3578.168280689514	3519.5653446669294	3456.97106359611	57.352904460022506	119.94718290734045
118	126	92618	-293721.1413	874897.3170250766	39.2732269528128	-101.836525	25530.3760897546	4350938.458908336	3777.391390962323	3575.36514312535	3517.32322226506	3459.90644444444	58.0365195020286	115.480273
119	126	92619	-293061.1413	874897.3170250766	39.27324726987335	-101.8341765	25550.9784913856	4350929.801977463	3775.684658461243	3573.858112685778	3516.9677886246897	3458.165441204513	56.95034374	127.7281268812996
120	126	92620	-292401.1413	874897.3170250766	39.2732692559645	-101.831852	25570.89746311674	4350925.32585077	3775.54113757696	3572.334919093772	3516.3554839654	3455.706971615116	55.936972411044	116.627945
121	126	92621	-291741.1413	874897.3170250766	39.27328646078655	-101.829355	25591.010653565	4350921.24308683	3775.477789229029	3570.871437727237	3515.772343607134	3447.789407505334	54.05500412108476	123.0279671720976
122	126	92622	-291081.1413	874897.3170250766	39.273306750563845	-101.8272048	25611.12342232867	4350917.162952779	3775.4144402504173	3569.706954017897	3515.1939031939615	3449.56381739365	54.1683922078222	119.743816782468
123	126	92623	-290421.1413	874897.3170250766	39.27332655042015	-101.8248477	25631.233548981318	4350913.082	3774.80775560427	3567.80775560427	3514.195719912461	3461.1374270183974	53.525805051116	106.6703485685784
124	126	92624	-289761.1413	874897.3170250766	39.27334635134111	-101.8224545	25651.3426322537	4350909.000814218	3773.6519607628047	3567.3194603787083	3513.63103625016	3470.765185784931	52.6884425872431	95.5542751528731
125	126	92625	-289101.1413	874897.3170250766	39.27336607397711	-101.8202143	25671.54608177027	4350940.520209718	3772.507645905028	3564.84765984152	3512.520825443217	3467.76578546412387	52.323405409538	92.47681132491654
126	126	92626	-288441.1413	874897.3170250766	39.27338576843337	-101.8178842	256916.7520865274	4350900.839450631	3771.35796424992	3563.384836343415	3511.1384163024113	3469.15551811186	52.0072001942319	94.229353326556
127	126	92627	-287781.1413	874897.3170250766	39.2734054178836	-101.815554	257117.88365107686	4350966.79930247	3770.664042426836	3561.140176	3509.376195298099	3465.87933568153	52.664018639203	96.024264175717
128	126	92628	-287121.1413	874897.3170250766	39.273425022326116	-101.8132238	25731.78475724985	4350982.678812528	3768.428069091738	3560.5118252823216	3506.9469161293277	3463.284294593429	53.5640915268491	97.2273302388836
129	126	92629	-286461.1413	874897.3170250766	39.2734458176136	-101.8108936	257519.90605937556	4350885.986790095	3767.191733768262	3559.099671882135	3504.632904734898	3456.2950635079437	54.6667714462745	102.8046037418877
130	126	92630	-285801.1413	874897.3170250766	39.2734646018928	-101.808635	257721.0169306306	4350884.818954745	3765.753984339517	3557.703023629934	3502.032030993517	3448.32610054972	55.64961302371223	100.734006564574
131	126	92631	-285141.1413	874897.3170250766	39.2734839565087	-101.8062333	257922.127508305	4350880.43939024	3764.489116419732	3556.32091266726	3499.584895503344	3441.2588789590387	56.7360711097411	115.0620336036970
132	126	92632	-284481.1413	874897.3170250766	39.273502900301762	-101.803931	258123.237835258	4350876.359854366	3763.7289894002	3554.263842375984	3498.961173147842	3445.39789585028	58.3385198492741	117.7356366041087
133	126	92633	-283821.1413	874897.3170250766	39.27352236428874	-101.801729	258302.3474822824	4350874.608873715	3764.13907689877	3553.1854343845	3497.8622188042	3498.57907723933	58.2838354	118.208354133328
134	126	92634	-283161.1413	874897.3170250766	39.2735417032736	-101.7992428	258525.457885489	4350868.20151367	3760.920423836143	3552.25511343294	3498.5329616767876	3470.870270859439	62.72715615838	81.5842683450708
135	126	92635	-282501.1413	874897.3170250766	39.27356093218304	-101.7969126	258756.567534642	4350864.12262492	3760.686168682617	3550.9242623112627	3486.74872132762	3485.431688520928	64.162390118	65.4925783833478
136	126	92636	-281841.1413	874897.3170250766	39.2735802760172	-101.7945824	258927.6768419237	4350854.0328391	3758.338973604953	3549.6045607792025	3483.19782561455	3497.9207447520866	64.4177821774772	51.6838160271158
137	126	92637	-281181.1413	874897.3170250766	39.273599438977605	-101.7925252	259178.1153356	4350855.9654215565	3757.011592763106	3548.2956473697016	3479.7025985967626	3506.239033972738	65.617782774772	42.0560357902752
138	126	92638	-280521.1413	874897.3170250766	39.27361859134568	-101.789922	259329.89504827844	4350851.807144805	3756.68328543251	3546.997742460105	3476.44669496159	3509.45511193675	70.5510459643965	37.542711300737664
139	126	92639	-279861.1413	874897.3170250766	39.273637700705894	-101.7876318	259581.3074382767	4350847.608873715	3754.13907689877	3545.128911166182	3475.1928171371223	3489.161027574484	71.91942956984	38.258354133328
140	126	92640	-279201.1413	874897.3170250766	39.27365670501945	-101.785378	259732.1122003871	4350843.73103977	3752.741349490044	3544.43384227426	3473.105390649128	3471.083396459524	73.3530966459524	33.622317758343
141	126	92641	-278541.1413	874897.3170250766	39.27367578440482	-101.7832314	259933.204199651	4350838.3592317396	3750.61883010214	3543.1816075126144	3470.02502691094	3512.04459295670	73.1564048215048	30.7771427153354
142	126	92642	-277881.1413	874897.3170250766	39.27369478474251	-101.780613	260134.32840216326	4350835.576	3748.858706168237	3541.39496018328	3467.7222558566465	3515.2542561851587	74.2127401648164	26.68523993163962
143	126	92643	-277221.1413	874897.3170250766	39.27371368807237	-101.7782711	260335.43614719005	4350831.498526348	3747.249756972162	3540.741384374804	3466.691562334632	3516.811727965847	74.021921471611	23.90175688095275
144	126	92644	-276561.1413	874897.3170250766	39.273732572394394	-101.7759409	260536.54356524813	4350827.411865775	3745.6201375015064	3539.35035269879	3466.680428740334	3517.343624	72.829140477652	22.1599291133287
145	126	92645	-275901.1413	874897.3170250766	39.27375141170859	-101.7736707	260737.6502554477	4350823.344197619	3744.07179840508	3538.30939345283	3467.56599194649	3517.736884402534	74.0449474874427	20.55525054989874
146	126	92646	-275241.1413	874897.3170250766	39.27377029014295	-101.7712895	260938.756128204	4350819.257673867	3742.475457938677	3537.128911166182	3469.061071371223	3489.161027574484	71.91942956984	38.258354133328
147	126	92647	-274581.1413	874897.3170250766	39.27378895317	-101.7687033	261139.8647596708	4350815.190789055	3741.03362731885	3535.961313288455	3512.61022274495	3516.82770985175	73.3819095404515	48.2858431783948
148	126	92648	-273921.1413	874897.3170250766	39.27380765960385	-101.7666201	261340.9713219112	4350811.11436932	3739.7222732747157	3534.804500787159	3476.132048293715	3510.544527079435	74.67254934423	24.2599730715744
149	126	92649	-273261.1413	874897.3170250766	39.27382631888364	-101.7642899	261542.07768213	4350807.038137435	3738.41085191745	3533.65642315534	3478.994118207266	3501.386775771041	58.62240304926774	32.269665341423206
150	126	92650	-272601.1413	874897.3170250766	39.27384493316085	-101.7619597	261743.1837877308	4350802.96208227	3737.09476511037	3532.514843102054	3479.57458033536	3497.970260273278	57.83306665795	34.7839170476105
151	126	92651	-271941.1413	874897.3170250766	39.2738635	-101.7596295	261944.28993305	4350878.88623747	3735.595262198716	3531.3774382171894	3479.0649059793072	3497.8891958973902	59.320802317324	33.4882389198791
152	126	92652	-271281.1413	874897.3170250766	39.2738832066567	-101.7572993	262145.39521351305	4350794.610586189	3733.820177608763	3530.24243356967	3478.9674357971384	3512.789399542416	61.354549768097348	31.54549768097348
153	126	92653	-270621.1413	874897.3170250766	39.273902900301762	-101.7550387	262346.506128204	4350791.751498334	3732.07179840508	3529.17351498334	3477.964570309478	3498.57907723933	71.91942956984	38.258354133328
154	126	92654	-269961.1413	874897.3170250766	39.2739184001799	-101.7526389	262547.0567747711	4350783.68426537	3730.322032	3527.970679810958	3481.06934324081	3498.697173724932	74.0449474874427	20.55525054989874
155	126	92655	-269301.1413	874897.3170250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBotH.ft	SatHtElev.ft	SatHtBotH.ft
228	126	92737	-215181.1413	874897.3170250766	38.275292080584954	-015.559228	27928.5347274313	435040.491825015	3578.42633809411857	3364.2053378317654	3415.2395726878794	3415.7436168812985	20.965885165296943	20.46172091789913
238	126	92738	-214521.1413	874897.3170250766	38.27530673402579	-015.556877	27943.60267689276	435040.4512	3576.246126293342	3435.667154237206	3413.493762482784	3413.443114711377	22.16337175447277	22.3140395286232
239	126	92739	-213861.1413	874897.3170250766	38.27531234250766	-015.554574	27946.70680680897	435040.493529911	3575.4524811871813	3435.1435248118713	3414.742224453529	3414.755702974883	25.58867632909835	25.58867632909835
240	126	92740	-213201.1413	874897.3170250766	38.27532035087494	-015.5522371	27941.7925230662	435043.894259691	3574.002445369995	3404.1205567081037	3404.1205567081037	3404.1205567081037	28.329307112091556	28.329307112091556
241	126	92741	-212541.1413	874897.3170250766	38.27533042483234	-015.5499068	28002.8780212627	435042.834248628	3566.752410084864	3434.2229337485357	3406.5688801305325	3406.5688801305325	37.76503618003218	37.76503618003218
242	126	92742	-211881.1413	874897.3170250766	38.2753476876064	-015.5475765	28024.3632030556	435042.786278898	3563.402374531743	3433.820466384207	3403.022536190146	3403.022536190146	35.98690920923415	35.98690920923415
243	126	92743	-211221.1413	874897.3170250766	38.27535730260677	-015.5452462	28045.0484	435042.718395478	3559.724599190921	3433.4557932825146	3400.0228850772436	3400.0228850772436	45.425487714535096	45.425487714535096
244	126	92744	-210561.1413	874897.3170250766	38.2753793942429	-015.5429159	28046.1332139233	435042.601520625	3551.719082119622	3433.127371432967	3398.815169	3398.815169	59.120718381012	59.120718381012
245	126	92745	-209901.1413	874897.3170250766	38.27540684781421	-015.5406856	28047.70680680897	435041.8235299984	3551.719082119622	3433.127371432967	3398.815169	3398.815169	63.4384700078434	63.4384700078434
246	126	92746	-209241.1413	874897.3170250766	38.27542231115769	-015.538253	28108.3026770047	435041.52423015	3547.7080448071171	3432.572539296423	3389.09612782689	3389.09612782689	67.5765099415514	67.5765099415514
247	126	92747	-208581.1413	874897.3170250766	38.27543658951036	-015.535925	28124.386560374	435040.484563565	3543.534996126853	3432.38928148616	3384.982642513026	3384.982642513026	71.4761141375215	71.4761141375215
248	126	92748	-207921.1413	874897.3170250766	38.27545079	-015.5335947	28145.0474033776	435040.42906133	3538.19441638763	3432.144420060507	3380.465499978353	3380.465499978353	74.976006312165	74.976006312165
249	126	92749	-207261.1413	874897.3170250766	38.27546581161177	-015.5312644	28165.1554312879	435040.371767554	3534.8538366527	3431.968217182928	3375.2045868012	3375.2045868012	77.80026582811886	77.80026582811886
250	126	92750	-206601.1413	874897.3170250766	38.27547906447093	-015.5289341	28185.62766622253	435036.314657919	3530.51325691574	3431.802293781932	3378.756762481664	3378.756762481664	80.664005067815	80.664005067815
251	126	92751	-205941.1413	874897.3170250766	38.27549313276894	-015.5266038	28203.7212	435039.25773223	3527.367180742238	3431.762272696986	3364.1764418067546	3364.1764418067546	83.145027296597	83.145027296597
252	126	92752	-205281.1413	874897.3170250766	38.27550716	-015.524375	28225.0430286064	435038.201	3525.39730128605	3431.39110895013	3354.0554983745	3354.0554983745	86.78001919	86.78001919
253	126	92753	-204621.1413	874897.3170250766	38.27552113433144	-015.5219342	28245.8728298654	435038.14462616	3523.3352128986	3430.702229296065	3352.89671157072	3352.89671157072	89.711677235474	89.711677235474
254	126	92754	-203961.1413	874897.3170250766	38.27553057659575	-015.5196129	28265.9690315106	435038.10880985	3521.4697423764746	3429.468297364746	3350.639595480285	3352.3702472025	92.784680919	92.784680919
255	126	92755	-203301.1413	874897.3170250766	38.275548958549025	-015.5172826	28288.0524118453	435037.610319467	3519.544862591555	3427.7855255765245	3350.87495457107	3352.1420003337694	94.79030711851247	94.79030711851247
256	126	92756	-202641.1413	874897.3170250766	38.27556279090992	-015.5149522	28309.1346781957	435037.97567458	3517.65885431354	3425.897634535202	3351.0999944568137	3351.0999944568137	96.78000439670651	96.78000439670651
257	126	92757	-201981.1413	874897.3170250766	38.275576997321496	-015.5126219	28326.2617307655	435036.92	3515.77290523953	3423.963179790387	3350.76300275181	3351.326897630884	97.791025152177	97.791025152177
258	126	92758	-201321.1413	874897.3170250766	38.27559030504575	-015.5102916	28341.2965967451	435036.63481978	3513.889524543752	3421.97157620448	3351.08949572273	3351.08949572273	98.978043264691	98.978043264691
259	126	92759	-200661.1413	874897.3170250766	38.2756036874885	-015.5079374	28359.70680680897	435036.191837171	3511.93581921693	3421.97157620448	3350.76300275181	3350.76300275181	100.14104260892	100.14104260892
260	126	92760	-200001.1413	874897.3170250766	38.2756177129154515	-015.505631	28383.9616705745	435035.735361917	3510.202833400702	3418.105995346716	3350.848672059498	3350.848672059498	102.52731740571	102.52731740571
261	126	92761	-199341.1413	874897.3170250766	38.27563130130246	-015.5033007	28404.5428073583	435035.689820186	3508.375327070995	3417.70473451033	3350.698720717953	3352.091814542306	104.74752731496	104.74752731496
262	126	92762	-198681.1413	874897.3170250766	38.27564491330392	-015.5009704	28425.6237941105	435034.744073391	3499.540672019198	3414.24572451926	3350.143630561497	3352.482602903276	106.51874754898336	106.51874754898336
263	126	92763	-198021.1413	874897.3170250766	38.27565844146611	-015.49884	28446.7045683126	435034.58942378	3496.736499673434	3412.30723789081	3350.7419602673787	3351.830291	108.7236237340746	108.7236237340746
264	126	92764	-197361.1413	874897.3170250766	38.27567192461685	-015.4963097	28467.78513017244	435033.934596092	3491.793285948034	3410.334864248395	3351.185023437367	3351.185023437367	110.1498330105275	110.1498330105275
265	126	92765	-196701.1413	874897.3170250766	38.27568536275686	-015.4946974	28488.9654679826	435033.81989881735	3488.145189209172	3408.253558177124	3350.76300275181	3350.76300275181	112.1498330105275	112.1498330105275
266	126	92766	-196041.1413	874897.3170250766	38.27569745838771	-015.491681	28509.6917180825	435033.426949422	3484.3443434044	3406.147632007323	3350.325041993057	3350.325041993057	114.1498330105275	114.1498330105275
267	126	92767	-195381.1413	874897.3170250766	38.27571210399815	-015.4893188	28521.025437405	435033.273954848	3480.875077699954	3403.833767527988	3350.2039349122384	3350.2039349122384	116.1498330105275	116.1498330105275
268	126	92768	-194721.1413	874897.3170250766	38.275725407104346	-015.4869885	28542.10525872605	435033.180855586	3477.72185813407	3401.041377419585	3350.34373403604	3350.34373403604	118.1498330105275	118.1498330105275
269	126	92769	-194061.1413	874897.3170250766	38.27573866519725	-015.4846581	28563.18476149626	435033.192654468	3474.568393928543	3398.812818723807	3351.85468281375	3351.85468281375	120.1498330105275	120.1498330105275
270	126	92770	-193401.1413	874897.3170250766	38.275751878278506	-015.4823278	28584.26540360387	435033.152131728	3471.415421043004	3398.136434364433	3351.55316413429	3351.55316413429	122.1498330105275	122.1498330105275
271	126	92771	-192741.1413	874897.3170250766	38.27576504658417	-015.4799875	28605.343713408277	435033.1159	3470.325476983746	3393.96727289714	3350.2656957	3350.2656957	124.1498330105275	124.1498330105275
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273	126	92773	-191421.1413	874897.3170250766	38.27579127445226	-015.4753828	28647.5007	435032.035267966	3470.04242210375	3390.4402554205	3351.377819089093	3351.377819089093	128.1498330105275	128.1498330105275
274	126	92774	-190761.1413	874897.3170250766	38.2758024004868	-015.473005	28667.5791150073	435029.090607545	3473.21964304047	3385.18244514887	3351.7302815795474	3351.7302815795474	130.1498330105275	130.1498330105275
275	126	92775	-190101.1413	874897.3170250766	38.27581728850938	-015.4706762	28687.65735462785	435029.84302309	3476.92136304574	3382.492345854562	3352.4687928772782	3352.4687928772782	132.1498330105275	132.1498330105275
276	126	92776	-189441.1413	874897.3170250766	38.275830211520294	-015.4683459	28700.7353843668	435029.896102616	3483.330599142063	3379.838082044347	3350.7928940974966	3350.7928940974966	134.1498330105275	134.1498330105275
277	126	92777	-188781.1413	874897.3170250766	38.27584310951398	-015.4660155	28728.8132044775	435029.846041963	3480.6346949112067	3378.21492402216	3350.8646942771034	3350.8646942771034	136.1498330105275	136.1498330105275
278	126	92778	-188121.1413	874897.3170250766	38.27585594255653	-015.4636852	28742.8905150196	435029.72699114	3480.14927017523	3376.64250458891	3350.7928940974966	3350.7928940974966	138.1498330105275	138.1498330105275
279	126	92779	-187461.1413	874897.3170250766	38.27586873984645	-015.4613639	28762.9138716347	435029.619837142	3480.14927017523	3376.64250458891	3350.7928940974966	3350.7928940974966	140.1498330105275	140.1498330105275
280	126	92780	-186801.1413	874897.3170250766	38.27588153450653	-015.4590245	28785.0448060653	435029.72699114	3480.14927017523	3376.64250458891	3350.7928940974966	3350.7928940974966	142.1498330105275	142.1498330105275
281	126	92781	-186141.1413	874897.3170250766	38.275894251397176	-0								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogs.ft	BRiElevBothKrg.	SatH2Elev	SatH2Both.ft
363	126	92863	-132021.1413	874897.3170250766	39.27678394577635	-101.2656045	304573.74406378963	439939.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
364	126	92864	-131361.1413	874897.3170250766	39.2767925766349	-101.2632741	304734.804001006	449935.041	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
365	126	92865	-130701.1413	874897.3170250766	39.27680184563369	-101.2609154	304875.8646	449935.041	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
366	126	92866	-130041.1413	874897.3170250766	39.27681076339682	-101.2586133	305176.924550382	459935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
367	126	92867	-129381.1413	874897.3170250766	39.27681960324297	-101.2562829	305377.9843410759	469935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
368	126	92868	-128721.1413	874897.3170250766	39.2768284050546	-101.2539526	305579.0439	479935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
369	126	92869	-128061.1413	874897.3170250766	39.27683716189423	-101.2516222	305780.136343127	489935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
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371	126	92871	-126741.1413	874897.3170250766	39.27685450149058	-101.2468514	306182.21589134	509935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
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375	126	92875	-124101.1413	874897.3170250766	39.2768887552233	-101.2376398	306986.458994037	549935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
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382	126	92882	-119481.1413	874897.3170250766	39.27694694028767	-101.221327	308393.8585	619935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
383	126	92883	-118821.1413	874897.3170250766	39.276955039091285	-101.2189966	308594.9152271212	629935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
384	126	92884	-118161.1413	874897.3170250766	39.27696311252408	-101.2166662	308795.971966337	639935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
385	126	92885	-117501.1413	874897.3170250766	39.27697134241082	-101.2143354	308997.025625915	649935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
386	126	92886	-116841.1413	874897.3170250766	39.276979140704026	-101.2120054	309198.084373766	659935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
387	126	92887	-116181.1413	874897.3170250766	39.27698706727383	-101.209675	309399.140381487	669935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
388	126	92888	-115521.1413	874897.3170250766	39.2769949882925	-101.207346	309600.1960225963	679935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
389	126	92889	-114861.1413	874897.3170250766	39.27700284537051	-101.2050142	309801.251836387	689935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
390	126	92890	-114201.1413	874897.3170250766	39.27701066897744	-101.2026838	310002.307283964	699935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
391	126	92891	-113541.1413	874897.3170250766	39.27701849231082	-101.200354	310203.3654525915	709935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
392	126	92892	-112881.1413	874897.3170250766	39.27702614410046	-101.198023	310404.417624049	719935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
393	126	92893	-112221.1413	874897.3170250766	39.27703382139507	-101.1956928	310605.4725095436	729935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
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396	126	92896	-110241.1413	874897.3170250766	39.277056580765574	-101.1887014	311208.630643896	759935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
397	126	92897	-109581.1413	874897.3170250766	39.277064071914154	-101.186371	311408.6962121905	769935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
398	126	92898	-108921.1413	874897.3170250766	39.27707152605056	-101.184009	311609.7441751206	779935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
399	126	92899	-108261.1413	874897.3170250766	39.2770789350082	-101.1817102	311811.799534076	789935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
400	126	92900	-107601.1413	874897.3170250766	39.27708629639484	-101.1793797	312012.8515472364	799935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
401	126	92901	-106941.1413	874897.3170250766	39.27709381276678	-101.1770493	312213.9045651233	809935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
402	126	92902	-106281.1413	874897.3170250766	39.27710088142445	-101.1747189	312414.9581823468	819935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
403	126	92903	-105621.1413	874897.3170250766	39.277110811	-101.1723885	312616.011224033	829935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
404	126	92904	-104961.1413	874897.3170250766	39.2771152917971	-101.1700581	312817.9648210477	839935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
405	126	92905	-104301.1413	874897.3170250766	39.2771203501968	-101.1677358	313019.018619257	849935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
406	126	92906	-103641.1413	874897.3170250766	39.2771259147271	-101.1653793	313219.162948111	859935.076	370.9098114396993	3122.08713662702	3163.234650545395	3161.9969907482505	3825486081606912	30.090145576751628
407	126	92907	-102981.1413	874897.3170250766	39.27713657	-101.1630698	313420.2215565443	869935.076	370.9098114396993	3122.08713662702	3163.2			

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHt533966916	SatHtBoth.ft
615	126	93115	34298.8586730335	784897.3170250766	39.27762374935083	-0.00783399	355235.4396901834	4348928.026646526	2921.58717383098883	2781.131024657176	2743.0852911705792	2749.96496092809686	30.04573339659916	31.166063630106596	
616	126	93116	34295.8586730335	784897.3170250766	39.277621387490036	-0.00760055	355346.45451530484	4348924.0318612675	2920.6464894396628	2779.06177228555	2743.149661	2749.962008868213	35.54651639723497	25.33967634	
617	126	93117	34518.8586730335	784897.3170250766	39.27761898961404	-0.007676	355657.4279330362	4348920.026646526	2919.702715645467	2775.33184163787	2743.38556176387963	2749.96496092809686	34.65866820511334	24.65866820511334	
618	126	93118	34275.8586730335	784897.3170250766	39.27761652872283	-0.0073466	355838.4912055227	4348916.062	2918.70620891859628	2775.0126897240827	2743.269010600573	2749.962008868213	31.14605231890437	25.58809304763173	
619	126	93119	36938.8586730335	784897.3170250766	39.27761403818464	-0.00690141	356039.50934116123	4348910.273821311	2917.2249356138836	2773.747411	2742.160438637948	2745.2561240588934	31.8669719835751937	28.49128652806636	
620	126	93120	37598.8586730335	784897.3170250766	39.27761148989485	-0.0066837	356240.5237324298	4348908.06079899	2915.096512673796	2772.171346195329	2738.4771276574575	2740.668910944101	31.5901535251226233	31.5901535251226233	
621	126	93121	38258.8586730335	784897.3170250766	39.27760802958036	-0.00643532	356441.554195298	4348904.09824231	2912.9680920456227	2770.662637589514	2734.691293453586	2736.871862393996	35.97013441359286	33.79140121935234	
622	126	93122	38918.8586730335	784897.3170250766	39.277606271000686	-0.00622028	356642.5629126624	4348900.111544885	2910.8396702562277	2769.2603323707	2731.4389067317625	2732.34476238734687	37.1642953861444	36.86194569875821	
623	126	93123	39518.8586730335	784897.3170250766	39.27760394038915	-0.00598264	356843.5804920407	4348896.12391256	2909.740486847271	2767.78590081954	2728.334681825922	2730.1003092834167	35.95114421889962	37.74487003	
624	126	93124	40235.8586730335	784897.3170250766	39.277597097	-0.00573789	357044.5973297003	4348892.13697357	2905.93316614946	2766.393611661496	2727.7044451913972	2727.0236032483634	40.59915674007316	39.5700237855155	
625	126	93125	40898.8586730335	784897.3170250766	39.27759811	-0.00550315	357245.615235344	4348888.150161754	2903.372604910513	2765.02375800899	2723.3891085820976	2724.004203723604	41.63465538891325	40.61902732082485	
626	126	93126	41558.8586730335	784897.3170250766	39.2775923040464	-0.0052701	357446.6323996787	4348884.16335946	2907.5114621208374	2763.671351184787	2721.134596418974	2721.904513404366	42.5367547659123	41.76683777422113	
627	126	93127	42128.8586730335	784897.3170250766	39.27759240360181	-0.00503706	357647.642460187	4348880.177095825	2897.5841921082104	2762.336011394925	2718.762340623591	2718.882019190358	43.45126209155625	42.5367547659123	
628	126	93128	42678.8586730335	784897.3170250766	39.2775953397562	-0.00480402	357848.6663147317	4348876.19084161	2893.660719469836	2761.098523109963	2716.303157548995	2716.232432902056	44.7069640200679	44.76250860970664	
629	126	93129	43258.8586730335	784897.3170250766	39.27759659	-0.00457709	358049.683658621	4348872.70473408	2888.747391585768	2759.7002674473285	2713.70216565307	2713.334662	45.1659509092017	45.1659509092017	
630	126	93130	43798.8586730335	784897.3170250766	39.2775939494277	-0.00433793	358250.69977950385	4348868.21888912	2885.833921345206	2758.40330751462	2711.1286715680904	2711.143170281155	47.2598579	47.2598579	
631	126	93131	44585.8586730335	784897.3170250766	39.2775905754305	-0.00410488	358451.7162652803	4348864.23194253	2883.173250641027	2757.1179925129904	2708.630767948396	2708.73473873778	48.1591556903428	48.2741518639212245	
632	126	93132	45185.8586730335	784897.3170250766	39.2775774755072	-0.00387184	358652.732905014	4348860.24781731	2881.676592044815	2755.84218439618	2706.05817864004	2705.708404299142	49.79740057561412	50.13981634470615	
633	126	93133	45718.8586730335	784897.3170250766	39.2775734853207	-0.0036388	358853.748971911	4348856.262356852	2880.246054045883	2754.5932847418763	2703.598532326783	2703.598532326783	50.994781468082	51.46785097446132	
634	126	93134	46318.8586730335	784897.3170250766	39.27757117639824	-0.00340575	359054.764656688	4348852.27271729	2878.26323828525	2753.35240842686	2701.086512796303	2700.5847531991167	52.2696235502392	52.7678476356939	
635	126	93135	47498.8586730335	784897.3170250766	39.2775676924932	-0.00317271	359255.7807952437	4348848.29226458	2876.348717152202	2752.124967310221	2698.891061255975	2698.342049951075	53.234060670454	53.790762315715265	
636	126	93136	48158.8586730335	784897.3170250766	39.2775649670952	-0.0029396	359456.796500384	4348844.307491171	2872.028203145999	2750.9103062492	2697.056116500995	2696.4807569914356	53.8496704539275	54.1788907735551	
637	126	93137	48798.8586730335	784897.3170250766	39.27756214830917	-0.00270614	359658.9228154909	4348840.3228184909	2868.91248354909	2749.74315885404	2695.8115687391	2695.8115687391	54.833820911286	54.833820911286	
638	126	93138	49478.8586730335	784897.3170250766	39.277558037711504	-0.00247538	359858.8277030635	4348836.35195364	2866.38897862672	2748.511527159307	2692.81744093739	2693.3612563503974	55.6987182	55.1548693263337	
639	126	93139	50158.8586730335	784897.3170250766	39.2775544050262	-0.00224053	360059.8431580303	4348832.354	2864.13228454035	2747.33564832359	2690.3206948425745	2692.68852653086	57.014860957842	56.6477480182024	
640	126	93140	50798.8586730335	784897.3170250766	39.2775511982762	-0.00200749	360260.854099639	4348828.37	2863.78364037882	2746.16537539705	2687.952032305038	2687.952032305038	58.2133421076658	55.74038164573304	
641	126	93141	51458.8586730335	784897.3170250766	39.27754771103876	-0.00177445	360461.8735	4348824.38466752	2861.35462530065	2745.004736143658	2686.1967245661076	2686.40546993102	58.800811775559	55.59828047456304	
642	126	93142	52118.8586730335	784897.3170250766	39.27754417874422	-0.0015414	360662.888805501	4348820.402793979	2862.523844221914	2743.653902722532	2685.3166592199846	2690.69714225985	58.8372435	57.1188489390429	
643	126	93143	52798.8586730335	784897.3170250766	39.277540861514695	-0.00130876	360863.9035572977	4348816.41829562	2860.713187153388	2742.71379153388	2684.388572352275	2684.388572352275	59.1768909111286	59.1768909111286	
644	126	93144	53458.8586730335	784897.3170250766	39.2775376072096	-0.00107154	361064.918904977	4348812.43045655	2858.417927152184	2741.52941318822	2683.299994162116	2683.299994162116	60.0667745994929	60.0667745994929	
645	126	93145	54098.8586730335	784897.3170250766	39.27753331193023	-0.00084227	361265.2546701381	4348808.42505012	2854.733891222208	2740.463461997351	2689.267197129771	2689.0335276783184	61.1961826765964	60.3943311903238	
646	126	93146	54758.8586730335	784897.3170250766	39.2775295996154	-0.00060923	361466.947914812	4348804.47	2851.74411772269	2739.360798055674	2692.340872947405	2692.340872947405	62.369625108266	62.369625108266	
647	126	93147	55418.8586730335	784897.3170250766	39.27752584	-0.00037618	361667.9614021069	4348800.647813125	2849.987896	2738.27306914021	2696.495604777101	2738.27306914021	63.1383137327913	63.1383137327913	
648	126	93148	56018.8586730335	784897.3170250766	39.27752203994088	-0.00014314	361868.975970398	4348796.50477733	2848.06544773338	2737.250588589896	2700.18109021001	2703.564907406723	63.18865514331729	63.18865514331729	
649	126	93149	56738.8586730335	784897.3170250766	39.2775181925014	-0.000101	362008.986226474	4348792.522	2848.942191493096	2736.742185	2701.758369762826	2702.049893009504	64.38387166444124	64.38387166444124	
650	126	93150	57398.8586730335	784897.3170250766	39.2775143	-0.00017058	362173.932329734	4348790.5402570915	2848.1213335	2735.97491782743	2699.84155687391	2699.84155687391	65.185049165152	65.185049165152	
651	126	93151	58058.8586730335	784897.3170250766	39.2775103281634	-0.00014041	3622472.071202564	4348785.5827654	2847.33564832359	2734.609091120662	2693.438858512839	2693.438858512839	66.01392592277	65.026654407168	
652	126	93152	58718.8586730335	784897.3170250766	39.2775063041149	-0.00019207	362370.030547586	4348780.57480837	2850.3464550515	2732.0472525952073	2696.187945	2696.187945	67.1849540534567	66.97007078874	
653	126	93153	59378.8586730335	784897.3170250766	39.2775025291654	-0.000179792	362470.044466626	4348776.59487708	2851.8055	2732.0406810859204	2678.35879856655	2698.00807260144	68.53919212935545	68.03261382776025	
654	126	93154	60038.8586730335	784897.3170250766	39.2774982055683	-0.000154748	362675.057680715	4348772.61446386	2853.264534534625	2731.054692951275	2697.090334	2696.30742609879	69.651380978959	68.7380048814307	
655	126	93155	60698.8586730335	784897.3170250766	39.27749416310701	-0.00011813	362876.0710933247	4348768.63207623	2852.13771679614	2730.05469979318	2695.67493979318	2695.67493979318	70.7775485713986	70.7775485713986	
656	126	93156	61358.8586730335	784897.3170250766	39.2774900642236	-0.000178779	363047.084205988	4348764.65114944	2848.42511514944	2728.5622025325	2692.1936068402	2691.76238479934	71.36811941454292	70.62011678	
657	126	93157	62058.8586730335	784897.3170250766	39.2774861316205	-0.00016479	363248.192709015	4348760.192709015	2847.12062	2727.1937187152	2691.76238479934	2691.76238479934	72.1936228517	71.36811941454292	
658	126	93158	62678.8586730335	784897.3170250766	39.277481540067738	-0.000152172	363479.110043313	4348756.6960504	2847.000216716733	2725.3826343753	2686.80471	2686.80471	73.581197625513		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SurfElevBothKrg.ft	
1	127	93241	-370941.1413	875557.3170250766	39.72327871280131	-102.1091774	23179.7780488565	4531613.692484584	400.580240829263	3909.7033031670577	3750.7203839134404	3751.2395463919115	58.282646193371275	58.48376371484616
2	127	93242	-370921.1413	875557.3170250766	39.727412988475007	-102.1068474	23180.92106320012	4531609.588	3998.3704974502743	3743.71883077891	3745.40341417727	3745.5151430303363	62.83053349022015	62.83053349022015
3	127	93243	-369621.1413	875557.3170250766	39.72436291914573	-102.1045173	232192.963811231	4531605.483778412	3998.754688510698	3740.200165024753	3743.12805325572	3743.12805325572	63.62489128122314	63.62489128122314
4	127	93244	-368681.1413	875557.3170250766	39.7246340481333	-102.1021873	232833.20629375376	4531607.379711641	4001.71359	3905.262312115745	3741.4306158422236	3741.881265540071	63.8169626	63.810406084364
5	127	93245	-368301.1413	875557.3170250766	39.7248854543779	-102.0998572	232584.348107719	4531607.275835736	4007.6324919776584	3803.7684554385676	3739.5442546525266	3739.1387900440452	64.21411017143302	64.6186653950134
6	127	93246	-367641.1413	875557.3170250766	39.7251364149904	-102.0975272	232785.490424874	4531593.172150068	4005.613360898926	3737.2974528738437	3737.298560466218	3740.9459152250824	64.9448005203044	64.9448005203044
7	127	93247	-366981.1413	875557.3170250766	39.7253869179708	-102.0951971	232986.631491106	4531598.088656496	4007.03672631814	3800.717204	3734.592389379787	3735.461045279986	64.1284649324129	65.2561586472309
8	127	93248	-366321.1413	875557.3170250766	39.7256389745184	-102.092867	233187.7736705084	4531584.965	4007.888591819084	3799.179588427736	3733.39375734082	3734.0114271641165	65.78582810899148	65.1681586722194
9	127	93249	-365621.1413	875557.3170250766	39.7258985103295	-102.090637	233588.9142728954	4531580.483778412	4007.888591819084	3799.179588427736	3733.39375734082	3734.0114271641165	65.78582810899148	65.1681586722194
10	127	93250	-365001.1413	875557.3170250766	39.727613573751315	-102.088269	233590.552044722	4531576.759	4007.888591819084	3799.179588427736	3733.39375734082	3734.0114271641165	65.78582810899148	65.1681586722194
11	127	93251	-364341.1413	875557.3170250766	39.72638443435966	-102.0858769	233791.1962487785	4531572.65581251	4008.400708951497	3794.4792859188033	3723.718150024842	3723.927033827959	70.7113589035504	70.55225028049438
12	127	93252	-363681.1413	875557.3170250766	39.7266327003712	-102.0835468	233992.3366130151	4531568.554	4005.19274913256	3792.8774674932883	3720.544987969357	3720.660619	72.33247952	72.21684639632655
13	127	93253	-363021.1413	875557.3170250766	39.72685106067478	-102.0812167	234193.474713915	4531565.41698889	4001.975811713383	3791.2563398986573	3717.7627578826377	3717.842781911527	73.4937812704754	73.43176179853253
14	127	93254	-362361.1413	875557.3170250766	39.7271278630854	-102.0788866	234394.6165011238	4531560.34950482	3998.758817349469	3789.6155027653184	3715.54725593817	3715.599676057288	74.0807662135227	74.0185241304582
15	127	93255	-361701.1413	875557.3170250766	39.7274747693954	-102.076586	234595.7961238225	4531556.247572877	3997.9653018555184	3787.9537018555184	3713.65323841563	3713.70573887858	74.0001780135625	74.02099484673261
16	127	93256	-361041.1413	875557.3170250766	39.72776212556615	-102.0742265	234796.894334068	4531552.14579605	3990.689974867658	3786.270277846933	3711.916565799917	3712.072066423696	74.0001780135625	74.02099484673261
17	127	93257	-360381.1413	875557.3170250766	39.7278672318927	-102.0718964	234998.034809337	4531548.04210042	3998.3704974502743	3784.536832215716	3709.7494635237604	3709.930609130389	74.015169871114	74.6274971
18	127	93258	-359721.1413	875557.3170250766	39.7278112780861	-102.0695664	235199.1732645453	4531543.94281793	3982.07580144233	3782.830933817254	3706.158519246127	3706.23341073767	74.67241548559829	76.5977979
19	127	93259	-359061.1413	875557.3170250766	39.7282357894217	-102.0672363	235400.31718606396	4531539.841601321	3978.21747885974	3781.068529903337	3702.636292133593	3702.7204919784895	74.8322371574397	78.3480397
20	127	93260	-358401.1413	875557.3170250766	39.72786206	-102.0649602	235601.4500451698	4531535.74096618	3785.403745945126	3779.275084144967	3699.392233815637	3699.472014477016	78.7505726340327	79.80394267
21	127	93261	-357741.1413	875557.3170250766	39.72788467564371	-102.0625761	235802.5880240503	4531531.639773971	3971.3973910433187	3774.52650544418	3696.47318070055318	3696.4625595930456	79.4896493461424	80.99009143814736
22	127	93262	-357081.1413	875557.3170250766	39.7279905124764	-102.060246	236003.7257692178	4531527.937191483	3967.987347	3775.5071685892	3693.75796134512	3693.699261079263	81.8394004154494	81.89807450045176
23	127	93263	-356421.1413	875557.3170250766	39.72809740237459	-102.057427	236199.62676881358	4531524.150114132	3967.987347	3775.5071685892	3693.75796134512	3693.699261079263	81.8394004154494	81.89807450045176
24	127	93264	-355761.1413	875557.3170250766	39.7295767443344	-102.0555859	236406.000414613	4531519.338493364	3961.042387119788	3771.769348310266	3688.926933550767	3688.759234727714	82.8600117459493	83.02771410331252
25	127	93265	-355101.1413	875557.3170250766	39.72981908032556	-102.0532558	236607.1341151168	4531515.238393964	3958.15218999558	3769.83354507378	3686.7659440180833	3686.4034374828	83.607051126275	83.43010895181763
26	127	93266	-354441.1413	875557.3170250766	39.7300610322294	-102.0509257	236808.2710038706	4531511.13820118	3954.9001261259987	3767.8543557439943	3684.871933549927	3684.155917	82.9824218900168	83.69843215684175
27	127	93267	-353781.1413	875557.3170250766	39.73030254206454	-102.0485956	237009.405282764	4531507.83841593	3953.114660933923	3765.85227229333	3682.9193488100777	3681.766381265544	83.92328242	84.08563910277871
28	127	93268	-353121.1413	875557.3170250766	39.7305435978579	-102.0462655	237210.5407	4531502.939337855	3952.79565161803	3763.826877744878	3681.9509623126637	3681.667486483843	81.87591546221302	84.66049183
29	127	93269	-352461.1413	875557.3170250766	39.730796420376854	-102.0439854	237411.86269191963	4531498.4649870037	3952.4769124552048	3761.778963353535	3680.084914889713	3679.668487386753	85.84868473604572	85.84868473604572
30	127	93270	-351801.1413	875557.3170250766	39.73102455931584	-102.0416675	237612.818240805	4531494.740950174	3951.7507745592574	3759.705147859267	3678.151283186172	3677.057002002407	85.4527274575059	85.4527274575059
31	127	93271	-351141.1413	875557.3170250766	39.73136241	-102.0392752	237813.95373407262	4531490.340233256	3952.680951	3757.61099616505	3676.772256	3672.02768240507	80.70384076412485	85.5833137759477
32	127	93272	-350481.1413	875557.3170250766	39.7315302071886	-102.0369451	238015.0887861154	4531486.5430701	3954.04565170835	3755.493719495264	3674.786912728995	3672.38437979707	80.878371979457	83.10674569735688
33	127	93273	-349821.1413	875557.3170250766	39.7317421262942	-102.034615	238216.2237240675	4531482.444773155	3955.410352	3753.354934226204	3672.98816454095	3673.229234	80.3667691210994	80.12569938558232
34	127	93274	-349161.1413	875557.3170250766	39.7319805	-102.0322849	238416.37643291477	4531478.384249485	3956.77025294875	3751.1951110561154	3670.690526543945	3670.83642160543	80.5048451226991	77.387868955741
35	127	93275	-348501.1413	875557.3170250766	39.7321218387101	-102.0299458	238618.4926805495	4531474.248276474	3955.657325313616	3749.045195155022	3668.458280619335	3673.9937121510957	80.059589674474	75.02069734640556
36	127	93276	-347841.1413	875557.3170250766	39.73234558247459	-102.0276427	238819.62676881358	4531469.150114132	3954.9001261259987	3747.81769341167	3666.16667546776	3674.47323293	82.4741012003407	82.4741012003407
37	127	93277	-347181.1413	875557.3170250766	39.73256984814305	-102.0252546	239020.76058914627	4531466.052426346	3948.0578302198858	3744.594784349255	3665.8379430030415	3674.4771789750157	80.6559901307723	80.1770145982675
38	127	93278	-346521.1413	875557.3170250766	39.7327920434899	-102.0229645	239221.8941687522	4531461.954561304	3944.85862549024	3742.3598013761803	3661.264100684255	36719736232367	81.0957008672545	81.66243090379413
39	127	93279	-345861.1413	875557.3170250766	39.73316550878945	-102.0206344	239423.0274808333	4531457.857670981	3942.054757480134	3740.105867992456	3666.588492924537	3671.026916273335	73.52366238003325	73.52366238003325
40	127	93280	-345201.1413	875557.3170250766	39.733401164016414	-102.0183043	239624.16053460876	4531453.76371207	3940.047671902117	3737.848800211838	3656.132087911414	3657.05642023198396	81.7167120873782	80.2797990340345
41	127	93281	-344541.1413	875557.3170250766	39.73363369294564	-102.0159742	239825.2933026957	4531450.3632905	3938.4191996	3735.578888225406	3654.3075283416556	3650.26779307081	81.6268498375024	85.3089951532292
42	127	93282	-343881.1413	875557.3170250766	39.7338711244012	-102.013644	240026.4268095284	4531446.5663523	3936.03525404837	3733.53282469504	3652.785478937444	3643.16117019255	80.4393457845496	80.128107766487
43	127	93283	-343221.1413	875557.3170250766	39.73410942636862	-102.0113213	240228.4684982137	4531442.17238613	3934.8484982137	3731.441738741167	3650.75483868613	3641.97283087941	82.4741012003407	82.4741012003407
44	127	93284	-342561.1413	875557.3170250766	39.73433028456534	-102.009388	240428.609170642	4531437.37428794	3932.52380402193	3728.704519151827	3650.3847340030415	3641.97283087941	82.4741012003407	82.4741012003407
45	127	93285	-341901.1413	875557.3170250766	39.7345728895372	-102.0066537	240628.9219359194	4531433.271231582	3930.851645577813					

ix	iy	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BRIElevLogsKrg	BRIElevBothKrg	SatHtLogsKrg	SatHtBothKrg
127	127	93367	-28781.1413	875557.3170250766	39.257218034505048	-101.8155792	257121.7709032718	4351088.032963752	3769.089887	3561.544664564838	3464.455645405988	3478.979780730455	97.08900424886997
128	127	93368	-28712.1413	875557.3170250766	39.25723743899197	-101.813249	257322.8802245612	4351093.95202387	3767.362612857701	3560.091455269383	3465.561279835493	3410.522567560227	91.542265319075418
129	127	93369	-28661.1413	875557.3170250766	39.257219719895297	-101.809168	257523.9931558962	4351098.872241943	3768.633628929177	3558.817671212638	3460.570182426995	3410.5490492007863	91.68157876958997
130	127	93370	-28590.1413	875557.3170250766	39.25726713849272	-101.805885	257725.1036190818	4351085.792171058	3765.806063741423	3557.225074004389	3503.946576	3406.319916843523	91.72649759188936
131	127	93371	-28541.1413	875557.3170250766	39.25726618376591	-101.8062583	257926.1239688053	4351081.7123290197	3762.485432678693	3555.811471176316	3473.7698769132576	3483.863503364114	118.01426308305831
132	127	93372	-28481.1413	875557.3170250766	39.257315506873594	-101.8030281	258127.3241354064	4351053.623599298	3761.7275340702457	3545.4095408124167	3497.733219326915	3466.4301248550147	117.97152242544018
133	127	93373	-28362.1413	875557.3170250766	39.25733349	-101.8015978	258328.4306837526	4351073.53089044	3759.96961082636	3553.01958078959	3494.369281754203	3453.4874604761293	95.32137602779585
134	127	93374	-28318.1413	875557.3170250766	39.2573543243527	-101.7992676	258529.5432528908	4351069.47378498	3758.171686051418	3551.640899110148	3490.691456004867	340.94940310529137	80.1359044
135	127	93375	-28260.1413	875557.3170250766	39.257367919895297	-101.7968373	258730.6530310797	4351065.9466554	3757.426280857892	3550.23715008877	3487.132897563524	3487.940372664646	65.50747704327816
136	127	93376	-28184.1413	875557.3170250766	39.2573825821848	-101.7946071	258951.76241471717	4351061.31572693	3756.119742123564	3548.917642900424	3483.04545498349	3458.56770886421	70.2505640369892
137	127	93377	-28118.1413	875557.3170250766	39.257412058083056	-101.7922769	259172.678137879243	4351057.23694902	3754.81015690588	3547.812440475514	3479.0154839040026	358.159274070972	68.5563654714258
138	127	93378	-28052.1413	875557.3170250766	39.257432112938926	-101.789946	259333.98012294536	4351053.08842588	3753.5011137100781	3546.239134461474	3475.3426541368904	3510.65176244047	70.8964282459309
139	127	93379	-27986.1413	875557.3170250766	39.25745032	-101.7876164	259535.9881967438	4351049.150040258	3751.8958865511698	3544.919825025875	3471.613550574354	3471.613550574354	32.45987148093
140	127	93380	-27920.1413	875557.3170250766	39.2574589387624305	-101.7852861	259736.19687922011	4351045.001911303	3749.984309482536	3543.6162410760504	3468.475857821529	353.6162410760504	17.5403819
141	127	93381	-27854.1413	875557.3170250766	39.25748849745378	-101.782659	259937.3040009912	4351040.92330033	3748.092870146738	3542.239912064701	3465.806425605702	352.8340625605702	29.38925936473309
142	127	93382	-27781.1413	875557.3170250766	39.25750738227435	-101.7801256	260138.4126811895	4351036.841381788	3746.191370944522	3541.062251549114	3464.065281	351.048335770026	78.96907051473413
143	127	93383	-27722.1413	875557.3170250766	39.25752631206803	-101.7782954	260339.62023231213	4351022.7683371	3744.020931012467	3539.81199555635	3462.240688240644	351.141969954221818	77.3735113499099
144	127	93384	-27656.1413	875557.3170250766	39.25754519688877	-101.7759651	260540.5254249363	4351028.691125499	3742.775051255545	3538.985976451444	3461.5929967555103	351.0458414716063	76.99296278593369
145	127	93385	-27590.1413	875557.3170250766	39.25756403668251	-101.7736349	260741.73641590637	4351024.614	3741.05219686676	3537.376626514186	3461.4492566941076	351.353742970501	75.9277052007824
146	127	93386	-27524.1413	875557.3170250766	39.25758321467254	-101.7713046	260942.841527101	4351020.358277315	3739.165807401676	3536.1856807401676	3462.396412556939	351.3537320023459	73.7826818
147	127	93387	-27458.1413	875557.3170250766	39.257601582124295	-101.7689744	261134.94083289	4351016.460403095	3737.806725754153	3535.09995512914	3463.474096868153	3508.219362168013	75.990828672613
148	127	93388	-27392.1413	875557.3170250766	39.2576206206017	-101.766441	261334.0544176654	4351012.38339309	3736.3471978706245	3534.337099745245	3464.7426895161276	3489.5745861048193	69.0549017602708
149	127	93389	-27326.1413	875557.3170250766	39.25763945578781	-101.764138	261565.16054811024	4351008.36217482	3735.0716819789245	3532.8913024619	3464.061517895647	3471.75834153860365	67.8054984
150	127	93390	-27260.1413	875557.3170250766	39.2576575605153	-101.761936	261747.2654	4351004.230644395	3734.124861014373	3531.551335389724	3468.3681157358095	3468.109285024393	63.1832200136222
151	127	93391	-27194.1413	875557.3170250766	39.257676130254475	-101.7596533	261948.372096105	4351095.15426665	3733.99246343273	3530.4124384070896	3470.0612209951956	3494.85817368545	61.320510951374
152	127	93392	-27128.1413	875557.3170250766	39.25769646598438	-101.7573231	262149.4775178834	4351096.07062747	3733.071160602415	3529.276278626543	3471.948727	3497.5500932138334	57.32745995283146
153	127	93393	-27062.1413	875557.3170250766	39.25771313	-101.7549828	262350.5827046383	4351092.00267767	3729.241857566396	3528.1408295897835	3474.4951334685725	3495.6418582499027	53.62599132011036
154	127	93394	-26996.1413	875557.3170250766	39.25773154961632	-101.7526825	262551.687556486	4351089.327445948	3727.86655427918	3527.0403381942105	3477.91072542488	3493.1721120373949	49.0940654992241
155	127	93395	-26930.1413	875557.3170250766	39.25774996911584	-101.7504263	262752.7923792629	4351085.82132055	3726.0716819789245	3525.849119116791	3468.688692462966	3471.75834153860365	47.75834153860365
156	127	93396	-26864.1413	875557.3170250766	39.25776763381097	-101.748091	262979.776899896107	4351079.776899896107	3725.0716819789245	3524.7135719751038	3467.91072542488	3471.75834153860365	42.255025331259
157	127	93397	-26798.1413	875557.3170250766	39.25778658	-101.7456717	263155.100104628	4351095.70250738	3716.62977858517	3523.965787476357	3473.569223830094	3477.682728019334	49.585205594626346
158	127	93398	-26732.1413	875557.3170250766	39.2578048816801	-101.7433415	263356.10511889367	4351097.62730209	3712.4235800316	3522.4113539176838	3470.4317320211962	3471.541376920045	45.9178189648751
159	127	93399	-26666.1413	875557.3170250766	39.25782306783231	-101.7410112	263557.20889927604	4351096.55273868	3709.513675133833	3521.247030595701	3468.0138517901228	3479.15152832523	42.31377880557806
160	127	93400	-26601.1413	875557.3170250766	39.25784123249615	-101.7386809	263758.132454991	4351097.43826284	3707.885764139963	3520.074924214915	3466.312960154445	3459.15630667073	53.761964579373
161	127	93401	-26534.1413	875557.3170250766	39.257859325414142	-101.7363507	263959.4158991283	4351099.40417876	3706.288375095627	3518.8955676230887	3465.204143474614	3468.3681157358095	53.691441
162	127	93402	-26468.1413	875557.3170250766	39.257877426777098	-101.7342064	264160.5183054152	4351095.33018432	3705.0716819789245	3517.709913024619	3464.061517895647	3471.75834153860365	53.691441
163	127	93403	-26402.1413	875557.3170250766	39.25789546640314	-101.731691	264361.6217860555	4351095.26830054	3704.548897445335	3516.815824753327	3462.268723984135	3463.391204	53.691441
164	127	93404	-26336.1413	875557.3170250766	39.257913410119576	-101.7293598	264562.724001052	4351094.71865449	3705.97170592213	3515.323003401952	3463.0793320058697	3429.971682793347	52.24367139092395
165	127	93405	-26270.1413	875557.3170250766	39.25793138062631	-101.7272096	264763.8267815044	4351094.30047044	3704.1258917109973	3514.1258917109973	3463.1870867698794	3470.3786238315568	81.78507456252572
166	127	93406	-26204.1413	875557.3170250766	39.25794925722333	-101.7246993	264964.928304578	4351093.6105214	3703.7854732927326	3513.925564022003	3463.66014045548	3471.23356421336394	49.26834187655236
167	127	93407	-26138.1413	875557.3170250766	39.257967124810634	-101.722369	265166.10360471703	4351093.963097575	3703.8989343909755	3511.7337581119	3463.66014045548	3471.23356421336394	49.26834187655236
168	127	93408	-26072.1413	875557.3170250766	39.25798642938814	-101.720037	265367.1325	4351092.89024077	3702.991697041704	3510.5379148799897	3463.231672372769	3471.23356421336394	66.5570097467738
169	127	93409	-26006.1413	875557.3170250766	39.25799543513655	-101.7178278	265573.93369598	4351092.45061677	3702.0995421296133	3509.167147053162	3462.478043581445	3461.5410096253215	45.686279201767425
170	127	93410	-25940.1413	875557.3170250766	39.25799543513655	-101.7157387	265793.32059198	4351092.45061677	3701.1004383175154	3508.167147053162	3462.478043581445	3461.5410096253215	45.686279201767425
171	127	93411	-25874.1413	875557.3170250766	39.257963807306163	-101.7130479	265970.3481957243	4351091.82775533	3704.031043172123	3506.848477045676	3462.210153	3453.797701776344	44.78382144024772
172	127	93412	-25808.1413	875557.3170250766	39.25796556759966	-101.7107176	266171.5369541319	4351094.60067851	3703.1004383175154	3505.81420447843954	3461.93743809516	3456.238512260481	43.571692791474366
173	127	93413	-25742.1413	875557.3170250766	39.2579673271727765	-101.708373	266372.6375	4351091.52871445	3698.168298930878	3504.65194878558	3461.667613011264	3457.838121017916	44.78382144024772
174	127	93414	-25676.1413	875557.3170250766	39.257960811645865	-101.706057	266573.737788716	4351090.457	3696.239219	3503.498291116541	3461.5523245696	3470.37862	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Ln	BRIEveLogKrg.ft	BRIEveLogKrg.ft	SatHtchLog.ft	SatHtchBoth.ft
253	127	93493	-204621.1413	875557.3170250766	39.277333804355145	-101.5219611	282459.949633041	4350585.390200359	3525.0916723865303	3428.892899359095	3354.290259585313	3358.7711524026474	3428.72377378214	71.16574638434768
254	127	93494	-203961.1413	875557.3170250766	39.277347737974246	-101.5196307	282661.0320902062	4350581.33363514	3522.987139427279	3428.741071284049	3351.672896748606	3356.706289638366	3428.708520252	72.7650443767662
255	127	93495	-203301.1413	875557.3170250766	39.2773616259494	-101.5137346	282861.1454740013	4350582.3428725927	3520.87933128162	3427.25869851101	3350.51615134626	3353.99826896041	3428.719053369659	71.25881968505996
256	127	93496	-202641.1413	875557.3170250766	39.27737547017526	-101.511487	283063.1964432038	4350583.2217020752	3519.955734967983	3425.565113879855	3350.7307160489997	3352.8688762827414	3428.7078295512	72.6926376
257	127	93497	-201981.1413	875557.3170250766	39.27738927	-101.5126396	283264.2728966233	4350589.160524136	3517.1396738671956	3423.7681258032885	3350.71286140801	3353.786309301003	3355.796839979	71.408101006411
258	127	93498	-201321.1413	875557.3170250766	39.2774032232648	-101.5103093	283465.3590404964	4350586.102650343	3515.22146842812563	3421.9624842812563	3351.75526804793175	3353.8824302	3358.82680193884	68.0440527095611
259	127	93499	-200661.1413	875557.3170250766	39.2774167308832	-101.5079789	283666.4413689939	4350581.035645359	3512.4444448670676	3420.071293187214	3353.786309301003	3355.796839979	68.2840028	64.27724109892506
260	127	93500	-200001.1413	875557.3170250766	39.2774303942766	-101.5056485	283867.522584367	4350586.9629214844	3510.8823317963726	3418.2174968676795	3353.703119032284	3357.736510297525	62.6248028	60.4809868793705
261	127	93501	-199341.1413	875557.3170250766	39.2774440129594	-101.5033182	284068.603682775	4350582.9428732027	3508.172016719178	3416.570188607584	3350.5633374168515	3358.813898426894	57.4556293376425	57.4556293376425
262	127	93502	-198681.1413	875557.3170250766	39.27745758647864	-101.5009878	284269.6840373111	4350584.488	3505.5358011627524	3414.53506623256	3350.319308712788	3359.047180201787	52.210071100325	55.4833189017825
263	127	93503	-198021.1413	875557.3170250766	39.27747111458523	-101.4986574	284470.765	4350584.83307677	3457.75621962956	3412.688787967183	3355.181451401267	3357.736510297525	54.7473071733006	
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298	127	93538	-174921.1											

by	to	X.Rt.	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	Surflev-X	W.Lt	BathyLogskm-X	BathyBotk-X	Swath1983-X	Swath1978-X
379	127 93619	-11281.14613	875557.31025076	32.27673406021836	121.223289	307974.72463967743	435005.749695937	3326.645035739471	3154.577335	3125.963434843624	3125.967917860259	2681279851527593	26.87717098370595
380	127 93620	-120801.141	875557.31025076	32.276734218908	121.225984	307961.8761764265	435007.176997718	3336.64764546233	3152.290062227782	3124.16796674652	3124.169417041462	28.12213562611718	27.07807981236214
381	127 93621	-120141.141	875557.31025076	32.2767343876129	121.223679	307961.8763810515	435007.684025681	3333.730253172956	3150.99513391147	3122.42232382827	3122.42232382827	26.7552879	27.46831146362814
382	127 93622	-119481.141	875557.31025076	32.276734960804	121.221375	307960.80950526216	435003.651166554	3330.727861898577	3147.68217686611	3120.323514211675	3120.3249736314645	27.388662645743635	27.27863535146628
383	127 93623	-118161.141	875557.31025076	32.27673771004048	121.219067	307980.00845520256	435009.61918759	3324.64612958173	3147.923281865811	3117.932281865811	3117.9336915821	27.1774883627	27.2960375305146628
384	127 93624	-116161.141	875557.31025076	32.27673712165458	121.216545	307980.00845520256	435009.61918759	3324.64612958173	3143.035307727267	3115.891708512958	3115.891708512958	27.1774883627	27.2960375305146628
385	127 93625	-117501.141	875557.31025076	32.27673856950343	121.214361	307901.00545711839	435005.555728275	3321.274905196252	3147.68183895717	3113.64817244684	3113.64817244684	27.06646465227476	26.90063615938385
386	127 93626	-116841.141	875557.31025076	32.2767918474608	121.212057	307902.120659798	435004.520456895	3318.028806	3138.3586016678093	3111.728132341062	3111.727960452967	26.3046954294769	26.8580791845565
387	127 93627	-116811.141	875557.31025076	32.2767979461767	121.209682	307904.176381304	435004.49257206	3314.87213354164	3135.98419584975	3110.125551022166	3110.1278919810225	26.154444684475	26.304296952503
388	127 93628	-115521.141	875557.31025076	32.27880796374175	121.207347	30904.2320590257	435003.461827395	3311.780431897458	3133.95115236923	3108.774997712136	3108.068527712136	24.8162356813189	24.5046921522222
389	127 93629	-114861.141	875557.31025076	32.27881555115436	121.2050243	30805.28743430025	435005.403178452	3308.68740404751	3131.7981816200564	3108.45809470445	3108.068527712136	23.43818456745624	23.43818456745624
390	127 93630	-114161.141	875557.31025076	32.27881555115436	121.2050243	30805.28743430025	435005.403178452	3308.68740404751	3131.7981816200564	3108.45809470445	3108.068527712136	23.43818456745624	23.43818456745624
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393	127 93633	-112211.141	875557.31025076	32.2788465292614	119.95024	31048.5733833553	435003.237990762	3301.1595241321	3123.83481738706	3098.854818073957	3100.072945235823	2	2
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395	127 93635	-110901.141	875557.31025076	32.27886174824364	121.191045	31101.6161949449	435005.22747	3294.7366389804	3116.26682087418	3091.65817625792	3091.65817625792	25.884425	24.64776857725346
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397	127 93637	-109581.141	875557.31025076	32.278876764975	121.186306	311161.742503453	435003.185092218	3287.32382118946	3112.2485913841	3088.042559964423	3088.042559964423	25.2080218665415	24.64776857725346
398	127 93638	-108921.141	875557.31025076	32.2788823810207	121.184051	311161.742503453	435003.185092218	3287.32382118946	3112.2485913841	3088.042559964423	3088.042559964423	25.2080218665415	24.64776857725346
399	127 93639	-108261.141	875557.31025076	32.278891646901	121.181796	311161.742503453	435003.185092218	3287.32382118946	3112.2485913841	3088.042559964423	3088.042559964423	25.2080218665415	24.64776857725346
400	127 93640	-107601.141	875557.31025076	32.27889905263496	121.1793892	31102.618499741	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
401	127 93641	-106941.141	875557.31025076	32.2789063222255	121.177687	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
402	127 93642	-106221.141	875557.31025076	32.2789136222255	121.175987	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
403	127 93643	-105641.141	875557.31025076	32.2789200289765	121.172378	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
404	127 93644	-104961.141	875557.31025076	32.27892802040804	121.1700673	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
405	127 93645	-104301.141	875557.31025076	32.2789351380146	121.167738	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
406	127 93646	-103641.141	875557.31025076	32.2789423032826	121.165044	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
407	127 93647	-102961.141	875557.31025076	32.27894976848515	121.163059	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
408	127 93648	-102281.141	875557.31025076	32.278957267676	121.161065	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
409	127 93649	-101661.141	875557.31025076	32.27896324373382	121.158415	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
410	127 93650	-101001.141	875557.31025076	32.2789701615329	121.1560485	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
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412	127 93652	-99681.141	875557.31025076	32.27898333945794	121.151426	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
413	127 93653	-99021.141	875557.31025076	32.27898961818184	121.149159	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
414	127 93654	-98361.141	875557.31025076	32.2789961452576	121.146891	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
415	127 93655	-97701.141	875557.31025076	32.2790024081828	121.1444321	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
416	127 93656	-97041.141	875557.31025076	32.27901067	121.142107	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
417	127 93657	-96381.141	875557.31025076	32.2790172656884	121.139712	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
418	127 93658	-95721.141	875557.31025076	32.27902381654115	121.137407	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
419	127 93659	-95061.141	875557.31025076	32.2790303233584	121.135102	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
420	127 93660	-94401.141	875557.31025076	32.2790370407445	121.132818	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
421	127 93661	-93741.141	875557.31025076	32.279043007445	121.130493	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
422	127 93662	-93081.141	875557.31025076	32.27904951797941	121.128168	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
423	127 93663	-92421.141	875557.31025076	32.27905598196674	121.125783	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
424	127 93664	-91761.141	875557.31025076	32.27906218	121.123479	31227.93382	434991.104300015	3279.304055079916	3110.380613167038	3107.738832403474	3107.738832403474	24.64776857725346	24.64776857725346
425	127 93665	-91101.141	875557.31										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogs.ft	BRIElevBothK.ft	SatHLogs.ft	SatHBoth.ft
507	127	93745	-38301.14133	875557.3170250766	39.27942145886316	-00.93468682	333126.5068037893	4349569.096046774	3092.87177187444035	2955.137831665898	2919.4090605101667	2919.45179889891	35.72822515573125	35.6890327698094
508	127	93746	-37641.14133	875557.3170250766	39.27942040874978	-00.9323577	333327.54131270526	4349565.068889268	3088.726515179162	2954.23358736208	2917.9730788927637	2918.065857482783	36.26050343425795	36.167725248089574
507	127	93747	-36981.14133	875557.3170250766	39.27944091746852	-00.9304712	333528.57815910666	4349561.0778191891	3086.922720897762	2953.423453181897	2916.5564520130134	2916.5564520130134	36.38933868981511	36.7330538383668
508	127	93748	-36321.14133	875557.3170250766	39.27942090347398	-00.9276607	333279.6108	4349557.690137257	3084.123855905254	2952.4462597563497	2915.0006520445714	2915.144827819813	35.922869719679304	37.31206578634656
508	127	93749	-35661.14133	875557.3170250766	39.27943154831155	-00.9253662	333390.6453651845	4349553.601	3081.9009619147029	2951.5239296346246	2913.6227880500086	2913.7748673374264	37.896048963304306	37.74801212599975
510	127	93750	-35001.14133	875557.3170250766	39.279438132785	-00.9230357	334131.67925721274	434954.052	3079.4015813116425	2950.620338001308	2911.288334905663	2911.411412644448	39.1333079374512	39.1333079374512
511	127	93751	-34341.14133	875557.3170250766	39.279436223376	-00.9207052	334332.713923664	434954.033911564	3076.35277998155	2949.720647889375	2909.3076930417035	2909.42339667341	40.1429584740385	40.2962882200357
512	127	93752	-33681.14133	875557.3170250766	39.27943864272616	-00.9183747	334533.747066469	4349541.035877141	3069.354159558087	2948.818254152847	2907.9734109075294	2907.87040458591724	41.0833432531779	40.9474135936748
513	127	93753	-33021.14133	875557.3170250766	39.279436196203	-00.9164442	334724.7618361838	4349537.028029762	3067.423268738693	2947.814757630486	2906.440217138206	2906.538871059363	41.7453892	41.7453892
514	127	93754	-32361.14133	875557.3170250766	39.27944314725212	-00.9131731	334925.8155507226	434953.33023036471	3057.630299716324	2947.015892935848	2905.1343321127245	2905.151562573944	41.87536272573654	41.4852313380172
515	127	93755	-31701.14133	875557.3170250766	39.2794433199354	-00.9113832	335136.8491040383	4349529.012896205	3054.1213831160424	2946.106580182977	2903.9661285265047	2904.2807170749477	42.1405165642172	41.816763802908
516	127	93756	-31041.14133	875557.3170250766	39.2794471711656	-00.9090527	335337.8824973755	4349525.00560994	3052.965575647036	2945.203765459626	2902.864596812067	2902.93303344977	42.2172697784196	42.0208351146489
517	127	93757	-30381.14133	875557.3170250766	39.27944957	-00.9067222	335538.19517299033	4349520.99851072	3051.80978178031	2944.301832343974	2901.729579794488	2901.85641543604	42.579854980871003	42.45380871003
518	127	93758	-29721.14133	875557.3170250766	39.27945161113484	-00.9043917	335739.94880216976	4349516.91985858	3049.350697090253	2943.4005972305326	2900.467111837188	2900.5821466734522	42.9334853344654	42.8184507380733
519	127	93759	-29061.14133	875557.3170250766	39.27945302078365	-00.9020212	335940.9871413803	4349512.98483731	3047.7635045809954	2942.4997754508954	2899.40832754566	2899.40832754566	43.439842962327036	43.439842962327036
520	127	93760	-28401.14133	875557.3170250766	39.27945580448486	-00.8997307	336142.10146674006	4349508.97833133	3043.13902496776	2941.5980798892526	2897.371121190047	2897.371121190047	44.2160142484773	44.2160142484773
521	127	93761	-27741.14133	875557.3170250766	39.2794545068594	-00.8974002	336343.0470594555	4349504.91983897	3041.532599511624	2940.6979130434893	2895.49684819408	2895.49684819408	45.01206484381055	45.01206484381055
522	127	93762	-27081.14133	875557.3170250766	39.279453964710625	-00.8950697	336544.07949272904	4349503.961957173	3039.850955265448	2939.795419	2893.616296625768	2893.616296625768	45.7191225705378	45.2332376791758
523	127	93763	-26421.14133	875557.3170250766	39.279461189318916	-00.8927392	336745.117766768	4349496.95842534	3030.6209740518826	2938.8893680442	2891.604794326754	2891.604794326754	47.2851453538777	47.32443052005458
524	127	93764	-25761.14133	875557.3170250766	39.27946236891006	-00.8904807	336946.13481177375	4349493.540520623	3027.705232108026	2937.80632562328	2889.6541023317413	2889.549029	48.451360871	48.41360369
525	127	93765	-25101.14133	875557.3170250766	39.27946403486274	-00.8880782	337147.178379534	4349488.94848948	3026.789491554664	2937.066684025466	2887.3327853851	2887.3327853851	49.4832884034508	49.5870717347599
526	127	93766	-24441.14133	875557.3170250766	39.27946630456352	-00.8857477	337348.2076515444	4349483.50332583	3024.873482041056	2936.14677192113	2885.695402704747	2885.695402704747	50.14512160832	50.14512160832
527	127	93767	-23781.14133	875557.3170250766	39.2794685949885	-00.8834712	337549.262096747	4349478.910351898	3023.447972657544	2935.04792587944	2884.70879475807	2884.70879475807	51.029320480574	51.029320480574
528	127	93768	-23121.14133	875557.3170250766	39.27946937311422	-00.881067	337750.270559204	4349476.93276066	3021.705842205942	2934.2655381539587	2881.93096424568	2881.93096424568	52.0578429241768	52.39369240147015
529	127	93769	-22461.14133	875557.3170250766	39.27947119162401	-00.8787562	337951.30207851634	4349472.927009581	3020.22485525972	2933.341744740928	2879.450223814949	2879.450223814949	53.89152145847901	53.8708811405481
530	127	93770	-21801.14133	875557.3170250766	39.2794727	-00.8764257	338152.332436405	4349473.92324646	3019.79128448903	2932.38714888904	2876.445233767257	2876.445233767257	55.9410018613352	55.96013426236295
531	127	93771	-21141.14133	875557.3170250766	39.2794741559434	-00.8740952	338353.36425116856	4349464.919	3017.949518115086	2931.42614271858	2872.358540049456	2872.358540049456	59.10674229212046	59.10674229212046
532	127	93772	-20481.14133	875557.3170250766	39.27947585054875	-00.8717747	338554.3951103417	4349460.91459858	3017.803655436327	2930.410885950353	2866.051240623744	2866.051240623744	64.38984788599634	64.7330134550642
533	127	93773	-19821.14133	875557.3170250766	39.2794775949885	-00.8694824	338755.42457945232	4349459.0351898	3017.657782057544	2929.447972657544	2865.60533969317	2865.60533969317	69.788716695934	69.788716695934
534	127	93774	-19161.14133	875557.3170250766	39.2794782889261	-00.8671307	338956.453630723	4349452.9043026	3017.51192382723	2928.4040724204024	2864.794292028174	2864.794292028174	75.5581509507514	75.5581509507514
535	127	93775	-18501.14133	875557.3170250766	39.27947957	-00.8647732	339157.48679041044	4349450.09266235	3016.81265377577	2927.419020144266	2864.5773279102716	2864.5773279102716	81.2914852334556	81.2914852334556
536	127	93776	-17841.14133	875557.3170250766	39.27948081273256	-00.8624427	339358.516032279	4349444.8914827	3015.59967347489	2926.328841576765	2865.657758671927	2865.657758671927	87.7251269237184	87.7251269237184
537	127	93777	-17181.14133	875557.3170250766	39.2794830071091	-00.8601122	339559.54698827847	4349436.95878809	3015.307289212513	2925.3323297	2865.0397800285937	2865.0397800285937	92.7562172363014	92.7562172363014
538	127	93778	-16521.14133	875557.3170250766	39.27948315647276	-00.8577817	339756.75808366	4349436.8926115	3015.05449440036	2924.2682727625	2863.562174168904	2863.562174168904	98.705063476606	98.705063476606
539	127	93779	-15861.14133	875557.3170250766	39.27948426	-00.8554511	339951.606624891	4349432.89828385	3011.289752398818	2923.19058391058	2862.799039247115	2862.799039247115	105.5541655486958	105.5541655486958
540	127	93780	-15201.14133	875557.3170250766	39.27948532974718	-00.8531206	340152.62096747	4349432.89828385	3008.954745450905	2922.101311335254	2862.072823387194	2862.072823387194	112.03894141234	112.03894141234
541	127	93781	-14541.14133	875557.3170250766	39.27948633	-00.8507901	340363.6657037048	4349432.89828385	3006.95768612574	2921.0062842407024	2861.8795826868732	2861.8795826868732	122.70756025092	122.70756025092
542	127	93782	-13881.14133	875557.3170250766	39.27948730375578	-00.8484596	340564.6949119214	4349420.817889625	3005.7959025418	2919.893670417706	2860.486312	2860.486312	130.647358423703	130.647358423703
543	127	93783	-13221.14133	875557.3170250766	39.2794882280339	-00.8461291	340765.72412354156	4349416.8795446	3002.25081886501	2918.775397436352	2857.731405333029	2857.731405333029	141.0307332258	141.0307332258
544	127	93784	-12561.14133	875557.3170250766	39.27948910729856	-00.8437986	340966.7531005894	4349412.8774676	3000.256141957216	2917.648102700517	2857.580330579382	2857.580330579382	150.061092111342	150.061092111342
545	127	93785	-11901.14133	875557.3170250766	39.27948994154566	-00.8414681	341177.78202375783	4349408.576528085	2998.246141690484	2916.5095761750763	2857.353415017441	2857.353415017441	159.156171963324	159.156171963324
546	127	93786	-11241.14133	875557.3170250766	39.279490773068	-00.8391376	341388.810917431	4349407.873494562	2996.26679614162	2915.35827711212	2856.805141356358	2856.805141356358	169.535135481472954	169.535135481472954
547	127	93787	-10581.14133	875557.3170250766	39.2794916489682	-00.8368173	341599.91329996	4349407.873494562	2994.7819827273	2914.22802732937	2855.891398198	2855.891398198	179.0247515267198	179.0247515267198
548	127	93788	-9921.141327	875557.3170250766	39.27949271748689	-00.8344766	341770.8676	4349396.871151656	2992.7102652747712	2913.01032477122	2855.56932173215	2855.56932173215	188.74440085	188.74440085
549	127	93789	-9261.141327	875557.3170250766	39.279492826374	-00.8321461	341971.89571714091	43493						

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThothKgr.f	SatThBothKgr.f
631	127	93871	44858.85867307335	875557.3170250766	-02.7939320027344	-00.6410449	58585.70461798296	4349065.421993008	2885.97883548445	2708.903745891825	2708.4027370653047	27.2970373445955	47.79801259259114
632	127	93872	4515.85867307335	875557.3170250766	-02.7939019802531	-00.6387414	58586.7207633537	4349051.427344605	2884.58718235297	2706.60100307102	2706.344898000878	48.3438758917532	48.5889682594243
633	127	93873	46178.85867307335	875557.3170250766	-02.79387672829581	-00.6224008	58587.72672723838	4349057.441887242	2883.18659389175	2703.70958482772	2703.179958482772	49.6342373909314	51.48988323233635
634	127	93874	46838.85867307335	875557.3170250766	-02.7938398961244	-00.6304534	59058.75564473574	4349053.45606645	2881.803783609015	2752.4748507846293	2702.314340695847	50.91295965118427	50.016673794458
635	127	93875	47498.85867307335	875557.3170250766	-02.79387672829581	-00.6317229	59529.76838079654	4349049.472	2876.01407059866	2751.2594841040087	2700.764151321667	50.20056674605224	51.00878064348634
636	127	93876	48158.85867307335	875557.3170250766	-02.793877419134526	-00.6293924	59460.78380177097	4349054.486612477	2875.01453820034	2750.0563208913544	2699.27717	50.47913291167533	51.2464895226762
637	127	93877	48818.85867307335	875557.3170250766	-02.793877419134526	-00.6270618	59661.79944486315	4349051.50189438	2872.618285978022	2748.864821198267	2697.8217850246923	50.69326522116525	51.01369177147474
638	127	93878	49478.85867307335	875557.3170250766	-02.79370759591615	-00.6247314	59862.81474727715	4349037.51736228	2869.223294600748	2747.684420202476	2696.775938973735	50.94081228729234	51.5126961962527
639	127	93879	50138.85867307335	875557.3170250766	-02.79367267829581	-00.6224008	59863.829662268	4349033.533	2868.313456910426	2746.514526453455	2695.327925813456	51.26686891886735	51.48988323233635
640	127	93880	50798.85867307335	875557.3170250766	-02.7936391958374	-00.6207074	60254.85450239874	4349029.54868004	2866.884627098209	2745.34574092302	2690.847675820955	52.327818525214	52.021924066307
641	127	93881	51458.85867307335	875557.3170250766	-02.7936034265553	-00.6177389	60565.85946050587	4349025.54686004	2865.465377071016	2744.204008	2688.992851202348	52.8816046231564	52.11156875552205
642	127	93882	52118.85867307335	875557.3170250766	-02.79356903011036	-00.6154094	60666.8743742602	4349021.581935255	2866.041736746504	2743.062734284564	2687.882088706554	53.444399803715	51.8065485
643	127	93883	52778.85867307335	875557.3170250766	-02.79356903011036	-00.613079	60867.8893873602	4349017.597491246	2864.4566808305	2741.9314909465	2686.5003787832734	53.60729953420769	53.431112162390436
644	127	93884	53438.85867307335	875557.3170250766	-02.7934974057348	-00.6107485	61068.903060117	4349013.614074871	2861.7113374040087	2740.809781652194	2686.32002208066	53.891673132895	49.18361332796212
645	127	93885	54098.85867307335	875557.3170250766	-02.793460319042	-00.6084818	61269.91592042055	4349009.630044481	2858.959398989844	2739.700351619443	2685.761034340487	53.9889606194537	49.9015749998941
646	127	93886	54758.85867307335	875557.3170250766	-02.7934232077114	-00.6060875	61470.9325407914	4349005.4779984	2856.220605032559	2738.07258182828	2684.7911371427431	54.0656960413729	49.8158879079733
647	127	93887	55418.85867307335	875557.3170250766	-02.7933838345696	-00.6037675	61671.94656732473	4349001.664841252	2854.617142926575	2737.5294140843566	2684.2133856681215	54.269620479789926	49.3160484022418
648	127	93888	56078.85867307335	875557.3170250766	-02.793347360904085	-00.6014265	61872.96064023173	4348997.862	2851.4171341	2736.466125623546	2685.795465373982	54.507792625811	39.665657808438
649	127	93889	56738.85867307335	875557.3170250766	-02.7933091344626	-00.599096	62073.97484891739	4348993.698761674	2853.96372055802	2735.416311209664	2685.720722865177	54.6954868921426	40.31789797288234
650	127	93890	57398.85867307335	875557.3170250766	-02.7932702097323	-00.5967655	62274.98802595797	4348989.7148079	2852.319353323254	2734.3791525307124	2683.296324194335	54.889706477552758	44.67250475436664
651	127	93891	58058.85867307335	875557.3170250766	-02.7932303842254	-00.594435	62476.0107789227	4348985.7353654	2854.01871947391	2733.4949498988	2688.71142332529	54.9637016375704	50.2839804908087
652	127	93892	58715.85867307335	875557.3170250766	-02.79319100976004	-00.5921405	62677.0123396509	4348981.73436381	2853.184790430504	2732.37344519875	2686.761701628885	54.693170673006	55.802480
653	127	93893	59338.85867307335	875557.3170250766	-02.7931507545385	-00.589774	62878.01981526895	4348978.1381139	2852.2447810538695	2731.27188814526895	2684.96284141358	54.6778291154501	57.45211219452689
654	127	93894	60038.85867307335	875557.3170250766	-02.79311009511515	-00.5874345	63079.0174252553	4348973.70135466	2851.975193237908	2730.305383134983	2686.73693375341	54.6684024727015	51.658424831747
655	127	93895	60698.85867307335	875557.3170250766	-02.7930883360476	-00.585113	63280.05479616125	4348969.80876365	2856.053031060623	2729.202546087766	2682.80394160714	54.66328848506278	65.925487181628
656	127	93896	61358.85867307335	875557.3170250766	-02.7929027078974	-00.5827825	63481.0677140754	4348965.828	2851.955234865544	2727.8315664185343	2681.818820245467	54.66340041906175	60.1274618
657	127	93897	62018.85867307335	875557.3170250766	-02.792851320289	-00.580452	63682.080068686	4348961.84677835	2847.8470792716629	2726.298447536239	2683.348719911214	54.661729582097	62.949725202266
658	127	93898	62678.85867307335	875557.3170250766	-02.7928240259926	-00.5781216	63883.0931647448	4348959.86576385	2847.338923853639	2724.736771412358	2684.719672033704	54.6614871369584	60.17099378654166
659	127	93899	63398.85867307335	875557.3170250766	-02.7927820197871	-00.5758976	64084.10871542081	4348953.8513139	2846.2447810538695	2723.173410538695	2684.563842716958	54.6617099378654166	57.44789877236984
660	127	93900	63998.85867307335	875557.3170250766	-02.792740235976	-00.5734608	64284.11806570784	4348949.04092483	2843.364396582953	2722.04048412116	2684.672031942917	54.6617099378654166	55.6873815250286
661	127	93901	64658.85867307335	875557.3170250766	-02.7926812269458	-00.5713101	64486.13050307383	4348945.92435068	2829.4842406589702	2720.610285603274	2685.671373624057	54.6617099378654166	54.3290936271699
662	127	93902	65318.85867307335	875557.3170250766	-02.7926270007332	-00.5687996	64687.1424845394	4348941.94346501	2828.051500523042	2718.5157481486867	2685.858425144017	54.66576257962864	52.7532205204401
663	127	93903	65978.85867307335	875557.3170250766	-02.79257223344006	-00.5664691	64888.15468158344	4348937.96447918	2822.0264915862917	2716.979662402076	2686.20850772842	54.66101389710106	50.7071172922558
664	127	93904	66638.85867307335	875557.3170250766	-02.7925277996446	-00.5641386	65089.16636024754	4348933.984779586	2821.75114933914	2715.45963613416	2686.5298187532845	54.6617099378654166	48.8601527349375
665	127	93905	67298.85867307335	875557.3170250766	-02.7925322915203	-00.5618081	65290.1782161855	4348930.00565749	2821.47596289175	2713.582578925735	2686.400179061584	54.66568851287716	47.2684258429868
666	127	93906	67958.85867307335	875557.3170250766	-02.7924915745385	-00.5594778	65498.16871542081	4348928.025837653	2820.20448412116	2712.414896905116	2684.96284141358	54.6617099378654166	47.45211219452689
667	127	93907	68618.85867307335	875557.3170250766	-02.792450076779	-00.5571471	65692.2011982822	4348922.045762825	2818.93610005873	2710.907513448783	2680.629470314213	54.6602485009218	50.80702484783102
668	127	93908	69278.85867307335	875557.3170250766	-02.792425869875	-00.5548167	65893.2125516123	4348918.06783633	2814.016136376987	2709.405027208554	2685.331781593753	54.6614871369584	53.9734928
669	127	93909	69938.85867307335	875557.3170250766	-02.7924451090741	-00.5524862	66094.2237751306	4348914.08096799	2809.44444	2707.906677680915	2681.152373	54.6617177877040234	56.7350051092518
670	127	93910	70598.85867307335	875557.3170250766	-02.79239718111924	-00.5501557	66295.2348704903	4348910.110428459	2808.79617781022	2706.411824311147	2683.761361606692	54.6617099378654166	57.57821336215796
671	127	93911	71258.85867307335	875557.3170250766	-02.792348803004	-00.5478252	66496.2436384886	4348906.132082915	2799.263940479384	2704.919304527156	2682.279390139845	54.6617099378654166	57.6490849793901
672	127	93912	71918.85867307335	875557.3170250766	-02.792299747103	-00.5454847	66697.256736933	4348902.150567297	2792.851893	2703.43023269714	2685.570397763174	54.66533069332848	57.84333408705996
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674	127	93914	73238.85867307335	875557.3170250766	-02.792200676779	-00.5408337	67099.27806271	4348897.19963579	2790.04679138024	2700.45732035817	2684.166404705927	54.6617099378654166	58.58906
675	127	93915	73898.85867307335	875557.3170250766	-02.792150788945	-00.5385032	67300.2885151116	4348890.22369319	2787.95067296609	2698.973347615868	2683.917245984083	54.6602485009218	50.80702484783102
676	127	93916	74558.85867307335	875557.3170250766	-02.792100160118	-00.5361728	67501.3895394686	4348886.20268307	2786.2799547237175	2697.40075933203	2683.7063418816597	54.6617099378654166	58.7404305154313
677	127	93917	75218.85867307335	875557.3170250766	-02.792048080938	-00.5338423	67702.3903629377	4348882.56827375	2785.016136376987	2709.405027208554	2685.331781593753	54.6614871369584	53.9734928
678	127	93918	75878.85867307335										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatTh00Kgr.ft	SatThBoth.ft
17	128	93997	-360381.1413	876217.3170250766	39.27459927598544	-102.07191828	325002.14382416033	435179.345457939	3985.5957953245006	3783.926718889276	3708.92715986140804	3708.934676375525064	75.2051027519544	74.9920533678948
18	128	93998	-359721.1413	876217.3170250766	39.274623834838906	-102.0699379	325023.28204904505	435175.24303236	3982.037452399642	3782.2068014003936	3705.57172471681122	3705.765912623211	75.2051027519544	74.9920533678948
19	128	93999	-359561.1413	876217.3170250766	39.27476469460855	-102.0678466	325044.4207321179	435174.142343508	3980.452734576526	3780.452734576526	3702.55323556434	3702.55323556434	75.2051027519544	74.9920533678948
20	128	94000	-359401.1413	876217.3170250766	39.2748728123172765	-102.0643786	325055.5925736734	435173.0410773736	3983.79194401513964	3778.678945836793	3699.170461215644	3699.504704420495	75.2051027519544	74.9920533678948
21	128	94001	-357741.1413	876217.3170250766	39.27469723342191	-102.0626075	325066.69650400484	435172.3329999294	3973.0268772349613	3776.8690661791275	3696.3600588878908	3696.750758467577	75.2051027519544	74.9920533678948
22	128	94002	-357081.1413	876217.3170250766	39.2747216097653	-102.0602773	325077.3607831243668	435172.8319104063	3970.134317303496	3775.027858894742	3694.1991236107	3694.1991236107	75.2051027519544	74.9920533678948
23	128	94003	-356421.1413	876217.3170250766	39.27474594085724	-102.0579472	326208.974006654	435172.7438	3966.428460894042	3773.150858949042	3691.289785141726	3691.289785141726	75.2051027519544	74.9920533678948
24	128	94004	-355761.1413	876217.3170250766	39.274770227199745	-102.0556171	326410.10841329978	435172.637899115	3961.904036822165	3771.240835089441	3689.018864311152	3689.018864311152	75.2051027519544	74.9920533678948
25	128	94005	-355101.1413	876217.3170250766	39.27476469460855	-102.0536269	326611.2451645492	435171.6538	3978.812001575626	3769.2891575459	3686.89890069073	3686.89890069073	75.2051027519544	74.9920533678948
26	128	94006	-354441.1413	876217.3170250766	39.274818656412106	-102.0505658	326812.3815646207	435172.4374596	3952.871007235204	3767.52098869439	3684.849010984556	3684.849010984556	75.2051027519544	74.9920533678948
27	128	94007	-353781.1413	876217.3170250766	39.27484281581034	-102.0486286	327013.517883681	435173.523751	3950.1528758890454	3765.35231310337	3683.03185452435	3683.148524570694	75.2051027519544	74.9920533678948
28	128	94008	-353121.1413	876217.3170250766	39.27486692	-102.0462626	327214.65385198628	435170.7243780442	3948.2357742563963	3763.316963666266	3681.989086148587	3681.2920564199767	75.2051027519544	74.9920533678948
29	128	94009	-352461.1413	876217.3170250766	39.274890833190694	-102.0439663	327415.7885925325	435170.318282037	3948.3186695038407	3761.2741821565273	3680.210975139751	3680.210975139751	75.2051027519544	74.9920533678948
30	128	94010	-351801.1413	876217.3170250766	39.274914939792349	-102.0416362	327616.82500709655	435169.038665255	3947.401560771186	3759.2078056972349	3678.7041041370793	3678.7041041370793	75.2051027519544	74.9920533678948
31	128	94011	-351141.1413	876217.3170250766	39.27493997056116	-102.039306	327816.06029425298	435168.9313993837	3940.7607858	3757.116032485376	3676.816442307514	3676.816442307514	75.2051027519544	74.9920533678948
32	128	94012	-350481.1413	876217.3170250766	39.27496289673213	-102.036978	328019.1952155554	435168.840714132	3948.93748481545	3755.01779550585	3675.02004305649	3675.02004305649	75.2051027519544	74.9920533678948
33	128	94013	-349821.1413	876217.3170250766	39.2749867	-102.0346457	328220.329889075	435168.741925268	3950.267132	3752.863204484796	3674.71102510256	3674.673085373026	75.2051027519544	74.9920533678948
34	128	94014	-349161.1413	876217.3170250766	39.27501160545727	-102.0323155	328421.46429704424	435168.3327276	3951.596773733953	3750.764038214745	3671.21963578534	3674.707430134126	75.2051027519544	74.9920533678948
35	128	94015	-348501.1413	876217.3170250766	39.275034405211336	-102.0299854	328622.598456804	435167.54492013	3950.8332653437	3748.526135	3669.1803928048525	3674.8058058334448	75.2051027519544	74.9920533678948
36	128	94016	-347841.1413	876217.3170250766	39.2750581135971	-102.0276552	328823.732351867	435167.416770368	3947.97694253162	3746.352921629315	3666.8230858130075	3674.1849271991673	75.2051027519544	74.9920533678948
37	128	94017	-347181.1413	876217.3170250766	39.27508185202304	-102.025325	329024.869657678	435166.348678441	3945.120502213789	3744.108271791328	3664.5040708857927	3663.573237360147	75.2051027519544	74.9920533678948
38	128	94018	-346521.1413	876217.3170250766	39.275105505636	-102.022949	329245.965376258	435166.25043584	3942.26401383913	3741.8742671781124	3662.1702923261	3661.995100502447	75.2051027519544	74.9920533678948
39	128	94019	-345861.1413	876217.3170250766	39.2751291977000	-102.020642	329464.133490379	435165.13400196	3938.52174346697	3739.52174346697	3660.445321719227	3660.445321719227	75.2051027519544	74.9920533678948
40	128	94020	-345201.1413	876217.3170250766	39.275152858950044	-102.018345	329629.26530078385	435165.055747182	3938.10236890484	3737.366873130763	3658.0720361473714	3657.287301525564	75.2051027519544	74.9920533678948
41	128	94021	-344541.1413	876217.3170250766	39.27517620701415	-102.0160044	329829.3970023685	435164.95848085	3937.948250311458	3735.0958016003963	3656.334188838175	3651.0301525130644	75.2051027519544	74.9920533678948
42	128	94022	-343881.1413	876217.3170250766	39.27519968312726	-102.0136742	330030.3542197053	435164.861	3936.793124742227	3732.815241222837	3654.99831786459	3645.8687443038216	75.2051027519544	74.9920533678948
43	128	94023	-343221.1413	876217.3170250766	39.275223114234315	-102.011344	330231.6622331077	435164.76533321	3935.476978474422	3730.5266141279158	3653.753842274697	3642.5152372990446	75.2051027519544	74.9920533678948
44	128	94024	-342561.1413	876217.3170250766	39.2752465	-102.0090139	330432.79414716284	435163.66745347	3933.99954426517	3728.2312801217654	3652.85209710065	3640.574122942067	75.2051027519544	74.9920533678948
45	128	94025	-341901.1413	876217.3170250766	39.27526984143016	-101.997274	330632.8713731767	435162.541744765	3932.521610458913	3726.892317346697	3651.99737346697	3640.574122942067	75.2051027519544	74.9920533678948
46	128	94026	-341241.1413	876217.3170250766	39.2752937135187	-101.995478	330835.025593647	435161.442309673	3931.044673509634	3724.95859943697	3650.925593647	3633.8888888888889	75.2051027519544	74.9920533678948
47	128	94027	-340581.1413	876217.3170250766	39.27531638860135	-101.993223	331036.1887584365	435160.375	3929.69143112603	3721.31759418455	3649.988807178106	3630.397277668984	75.2051027519544	74.9920533678948
48	128	94028	-339921.1413	876217.3170250766	39.2753399	-101.9909831	331237.318	435159.28299225	3928.46136345376	3719.0076021346284	3648.103216362284	3629.250077504155	75.2051027519544	74.9920533678948
49	128	94029	-339261.1413	876217.3170250766	39.2753625754754	-101.997363	331438.48441129064	435158.187257055	3927.231631594902	3716.696582255276	3648.383605138537	3628.094213275428	75.2051027519544	74.9920533678948
50	128	94030	-338601.1413	876217.3170250766	39.2753878181111	-101.9950328	331639.579694528	435161.091712045	3926.00192036505	3714.38541071514	3647.83459531203	3630.353647673254	75.2051027519544	74.9920533678948
51	128	94031	-337941.1413	876217.3170250766	39.2754084286834	-101.9927028	331840.7097171554	435160.965379	3924.90145035655	3712.07462629199	3647.35349184598	3628.32230739258	75.2051027519544	74.9920533678948
52	128	94032	-337281.1413	876217.3170250766	39.2754319691915	-101.990374	332041.834930579	435160.901194285	3923.692799274	3709.7643930484	3646.66216111445	3625.74497187448	75.2051027519544	74.9920533678948
53	128	94033	-336621.1413	876217.3170250766	39.27545449596342	-101.9880422	332242.969087612	435160.86022157	3922.95710245197	3707.45539336907	3644.99920210067	3626.701968083642	75.2051027519544	74.9920533678948
54	128	94034	-335961.1413	876217.3170250766	39.2754778600121	-101.985712	332444.092603015	435159.711434985	3921.98513730985	3705.148534658423	3642.2934765290793	3623.92293655676	75.2051027519544	74.9920533678948
55	128	94035	-335301.1413	876217.3170250766	39.27550077303434	-101.983818	332645.2724706953	435159.631684817	3920.1303654164	3702.834186910575	3638.56263658312	3629.87806019735	75.2051027519544	74.9920533678948
56	128	94036	-334641.1413	876217.3170250766	39.27552362305705	-101.9810516	332846.3560240578	435158.52447592	3917.704078949046	3700.540467142026	3633.8906731044335	3628.762327447313	75.2051027519544	74.9920533678948
57	128	94037	-333981.1413	876217.3170250766	39.275546440275024	-101.9787215	333048.483192862	435158.428377185	3914.068051054722	3698.241292345367	3628.10222707812	3624.586241932094	75.2051027519544	74.9920533678948
58	128	94038	-333321.1413	876217.3170250766	39.27556918006631	-101.9763913	333248.6127598715	435158.334218551	3911.096233110974	3695.4047007179547	3622.31534711193	3620.130573136278	75.2051027519544	74.9920533678948
59	128	94039	-332661.1413	876217.3170250766	39.27559271271945	-101.974061	333449.740329182	435158.249899919	3909.8215479436	3693.162157849398	3620.36644573967	3619.36644573967	75.2051027519544	74.9920533678948
60	128	94040	-332001.1413	876217.3170250766	39.27561457088845	-101.9717309	333650.846780262	435157.14752314	3908.59089890196	3691.4024300146817	3620.130573136278	3619.36644573967	75.2051027519544	74.9920533678948
61	128	94041	-331341.1413	876217.3170250766	39.27563717807959	-101.9694007	333851.995956082	435156.9						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRiElevLogs.fg	BRiElevBoth.fg	SatHLogs.fg	SatHBoth.fg
143	128	94123	-277221.1413	876217.3170250766	39.27733893722642	-01.7783197	260343.6046661022	43521234.0388881415	374.437871811536	358.935394717969	3457.2087042262537	3510.4755670807817	81.72699048	28.45982787871818
144	128	94124	-276561.1413	876217.3170250766	39.27737622509884	-01.7783984	260944.7161781893	43531229.36124394	379.6341411984065	357.888252095232	3455.4615198683923	3527.085256712753	27.03715402507417	27.03715402507417
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148	128	94128	-273921.1413	876217.3170250766	39.27743291354214	-01.7666681	261349.137167101635	43531204.75652674	374.2426067027332	352.3219117582369986	3452.9478052636473	348.71010564407	81.963618577335124	45.7916522921764
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177	128	94157	-254781.1413	876217.3170250766	39.2779567595923	-01.6990888	267181.1448881197	43531095.30588615	368.31738453282	349.9200824176664	3456.217544240546	345.21913211298	47.025817711822	47.0189986536632
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187	128	94167	-248181.1413	876217.3170250766	39.2781273096743	-01.675785								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHdgBoth.ft	SatHdgBoth.ft
128	92429	-194061.1413		786217.3170250766	39.27936401745142	-101.4848922	285681.30388491	4350721.75040652	3475.9428028056226	3399.70452	3346.811002704043	3352.523234654401	53.09644919314724	47.38421472789864
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271	128	94251	-192781.1413	786217.3170250766	39.27936039944562	-101.4800213	28603.4609317573	4350689.621731381	3467.646943220315	3394.1611589021175	3349.18398	3353.19398	44.76981399745768	38.9671383483466
272	128	94252	-192081.1413	786217.3170250766	39.27940323671025	-101.4777008	286284.539448306	4350759.58977282	3466.22845155839	3391.300226682463	3347.71476067264	3356.61705115562	42.52314907573645	34.6269156609007
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276	128	94256	-189441.1413	786217.3170250766	39.2794556843573	-101.4683791	287088.85125142324	4350738.138434	3470.110320748441	3380.2811221467878	3351.440334732427	3387.32732640131	38.407673545307	16.35388574542685
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297	128	94277	-175581.1413	786217.3170250766	39.27971688721521	-101.419323	291311.4358697753	4350607.381791534	3484.591569194545	3334.009671102862	3312.4789116102862	3328.292276518722	23.72133848682584	7.33667275651161
298	128	94278	-174921.1413	786217.3170250766	39.27972894953123	-101.4171091	291512.5066510907	4350604.28473901	3481.68785	3332.431128107109	3310.435776634378	3329.437162570083	24.1096718267003	4.91542629474398
299	128	94279	-174261.1413	786217.3170250766	39.27974085	-101.4147787	291713.5796162419	4350600.220028418	3480.339960712494	3330.8083464484805	3306.27163294808	3326.07497319102	24.34921516812735	4.456450745748289
300	128	94280	-173601.1413	786217.3170250766	39.27975271223645	-101.412482	291914.621754558	4350596.127131895	3478.687946794993	3328.8083971255064	3304.496046794993	3325.751669913094	24.3125053206713	3.056727209197102
301	128	94281	-172941.1413	786217.3170250766	39.279764530543815	-101.4101177	292115.7246319277	4350592.12442322	3476.991137711947	3327.020858495885	3304.01483498166	3323.70234371008	22.9880246771697	3.300524778315254
302	128	94282	-172281.1413	786217.3170250766	39.2797763	-101.4077873	292316.768296869	4350587.0564593	3475.294762417167	3325.2049333561	3302.294095321209	3325.65492342345	24.5745709120035	4.4574709120035
303	128	94283	-171621.1413	786217.3170250766	39.27978832120074	-101.405458	292571.8689248042	4350584.293035999	3474.281427642317	3323.40511344445	3300.349596267116	3317.287592317216	23.05537468732567	6.11724417227868
304	128	94284	-170961.1413	786217.3170250766	39.27979987153336	-101.4031263	292718.940719665	4350581.31829834	3473.591169194545	3321.6090671102862	3301.478111998393	3314.21705115562	23.72133848682584	7.33667275651161
305	128	94285	-170301.1413	786217.3170250766	39.27981135	-101.4007959	292920.012403315	4350575.935	3468.6209107269738	3319.81151489829	3296.65272673529	3317.7949556132	23.72133848682584	7.33667275651161
306	128	94286	-169641.1413	786217.3170250766	39.27982295	-101.3984654	293121.083453593	4350571.87640457	3465.052269302	3318.009032111995	3304.4500007770165	3307.6578833740664	23.60403134978572	6.11724417227868
307	128	94287	-168981.1413	786217.3170250766	39.2798345	-101.3961349	293322.1551	4350567.84086428	3463.465484679256	3316.199132043164	3292.6892073390127	3305.12065895403697	23.50924659510367	10.0176253032933
308	128	94288	-168321.1413	786217.3170250766	39.2798459830248	-101.3938045	293523.2261047688	4350563.79432198	3460.14540852248	3314.378409131628	3290.945432985754	3302.765075749567	24.3125053206713	1.61333330731236
309	128	94289	-167661.1413	786217.3170250766	39.27985745649449	-101.391474	293724.2969297101	4350559.74794055	3458.294762417167	3312.5455983970646	3290.341555868403	3321.1995668397417	12.38939977461132	9.98642989432367
310	128	94290	-167001.1413	786217.3170250766	39.2798688961126	-101.3891435	293925.3657517576	4350555.7017697	3453.5054552683	3310.70163276608	3288.05064201144	3297.698524004	22.53657208595206	13.00328205036907
311	128	94291	-166341.1413	786217.3170250766	39.2798803762336	-101.386816	294126.458915688	4350551.458915688	3451.694762417167	3310.478111998393	3286.584762417167	3295.65272673529	23.72133848682584	7.33667275651161
312	128	94292	-165681.1413	786217.3170250766	39.279891569891328	-101.384426	294327.508179017	4350547.60994594	3450.34794061033	3306.9133348673	3284.395275234484	3293.199692641038	23.72133848682584	7.33667275651161
313	128	94293	-165021.1413	786217.3170250766	39.27990283913795	-101.3821521	294528.5782028573	4350543.64328838	3442.694511667557	3305.10149175825	3282.162582239385	32		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHBothKrg.ft
395	128	94375	-110901.1413	786217.3170250766	39.28067445829927	-101.1910512	11015.6508	4350212.465370087	3298.500502992593	11.71576304196576	3089.529967212408	3090.24037496576288	26.18633820724972
396	128	94376	-110241.1413	786217.3170250766	39.28068200012599	-101.1887207	111216.7047272621	4350208.453396043	3296.521384	11.71530397296114	3087.043828484414	3087.043828484414	26.19067394517956
397	128	94377	-10681.1413	786217.3170250766	39.28068494969329	-101.1839292	111417.7548425658	4350204.4058	3292.5428639648	11.6101259008152	3084.632207048837	3084.632207048837	25.86965193687483
398	128	94378	-108921.1413	786217.3170250766	39.2806969873014	-101.1840597	111618.8120530161	4350196.37071482	3289.5631454546547	11.61083419686282	3082.028540729875	3082.028540729875	25.53224114192842
399	128	94379	-108261.1413	786217.3170250766	39.280704355507524	-101.1817291	111819.8638489425	4350196.346069477	3286.627272034416	11.6054685174656	3082.99222936841	3082.99222936841	25.22938690729273
400	128	94380	-107601.1413	786217.3170250766	39.28071171726845	-101.1793986	112020.9186	4350192.31738951	3283.854503516434	11.61028603616343	3075.866183150993	3075.866183150993	25.26094856341329
401	128	94381	-106941.1413	786217.3170250766	39.28071903	-101.1770681	112221.9217657448	4350188.28835796	3281.47911681737	11.61003200382325	3072.763954795795	3074.311326930425	25.5660403726635
402	128	94382	-106281.1413	786217.3170250766	39.28072630574083	-101.1747376	112423.02449058026	4350184.26	3278.229074004327	3077.7494704727856	3069.70167418822	3071.2826041749943	26.467406324791227
403	128	94383	-105621.1413	786217.3170250766	39.2807335522224	-101.172407	112624.0717198924	4350180.23689156	3274.572687989148	11.605183409010543	3068.735615021883	3068.735615021883	25.684327687201083
404	128	94384	-104961.1413	786217.3170250766	39.28074017414712	-101.170075	112825.12905581	4350176.20239161	3270.08361054384	11.60524251589254	3063.84451077056	3063.84451077056	25.85476481701402
405	128	94385	-104301.1413	786217.3170250766	39.28074758052546	-101.1677746	113026.8186718827	4350172.174	3265.600458304536	11.6050873767609	3060.8846779381142	3063.0936337034025	25.89884938944732
406	128	94386	-103641.1413	786217.3170250766	39.28075454248728	-101.1654155	113227.233969337	4350164.18021914	3261.1155565243	11.60537918935325	3067.9187647022744	3060.166532657021	25.71815423078167
407	128	94387	-102981.1413	786217.3170250766	39.28076189913248	-101.1630849	113428.285903003	4350164.18119163	3257.96990707222	11.6050169540518723	3065.013908517717	3077.9892452311806	25.927607084019166
408	128	94388	-102321.1413	786217.3170250766	39.28076890761146	-101.1607544	113629.37637626934	4350160.09044072	3256.175493724049	11.605134124662178	3052.6309147822335	3053.974124662178	25.88322646384429
409	128	94389	-101661.1413	786217.3170250766	39.2807793737318	-101.1584239	113830.3891895454	4350156.06277882	3254.38108674537	11.605068146259314	3050.6897839758276	3050.6897839758276	25.93680989099994
410	128	94390	-101001.1413	786217.3170250766	39.2807826896863	-101.1560934	114031.4405523374	4350152.03533093	3252.58677697056	11.605168051733974	3047.13305165125	31.87101470197493	25.42742111840442
411	128	94391	-100341.1413	786217.3170250766	39.28078972554478	-101.1537828	114232.442741733805	4350148.00838991	3250.723823	11.6051166253805217	3042.34542568672	3043.660282555058	31.7373996473956
412	128	94392	-99681.1413	786217.3170250766	39.28079654710945	-101.1514323	114433.5427454655	4350143.96142672	3248.7925169718214	11.6050969490862	3039.01513067056	3042.66737562825	32.61651917793045
413	128	94393	-99021.1413	786217.3170250766	39.2808032365514	-101.1491018	114634.5936678187	4350139.95	3246.861210768122	11.60510726666693	3035.4910875094065	3036.58322170068	32.61579057286726
414	128	94394	-98361.1413	786217.3170250766	39.28081005518405	-101.1467712	114835.6420680505	4350135.92066243	3244.929904562466	11.6051362251946	3032.329289704643	3033.05118423945	34.90512801249315
415	128	94395	-97701.1413	786217.3170250766	39.2808167189626	-101.1444047	115003.696686271	4350131.902	3241.996915008714	11.60516284348343	3029.28738385391	3029.85473710776	36.3315310815221
416	128	94396	-97041.1413	786217.3170250766	39.280823381195026	-101.1421102	115257.74504623224	4350127.87546043	3238.062240299367	11.6051333897	3026.841551867136	3027.94170717638	36.2241890576335
417	128	94397	-96381.1413	786217.3170250766	39.28082984967854	-101.1397649	115458.7916543696	4350123.58994824	3236.544261188195	11.6051415143276	3024.163899829457	3024.163899829457	37.1420202981253
418	128	94398	-95721.1413	786217.3170250766	39.2808365313595	-101.1374911	115639.8450010707	4350119.824	3230.192968217	11.60519060311903	3023.63086577494	3023.70134882187	35.2699165454472
419	128	94399	-95061.1413	786217.3170250766	39.2808403578133	-101.1351186	115840.8948	4350115.79754038	3228.58585523257	11.6051676890427	3022.526645622695	3022.526645622695	36.2215821342824
420	128	94400	-94401.1413	786217.3170250766	39.28084949090098	-101.13278	116041.94435180945	4350111.7226139	3229.3136794234	11.6051689728894938	3020.771038132601	3020.69149230659	34.0973475689275
421	128	94401	-93741.1413	786217.3170250766	39.280855915421846	-101.1304575	116242.993773595	4350107.74726103	3228.038368532392	11.605143666042277	3018.13466604277	3017.879638360814	35.0547082924545
422	128	94402	-93081.1413	786217.3170250766	39.2808622681196	-101.128127	116444.0429228807	4350103.7211484	3226.76449762409	11.6051033048911843	3015.18928315302	3014.8992219830816	36.1338277086218
423	128	94403	-92421.1413	786217.3170250766	39.28086931195324	-101.1257864	116647.9389878	4350097.12579232	3224.54261188195	11.6051415143276	3013.04918648623	3013.04918648623	36.94765121881
424	128	94404	-91761.1413	786217.3170250766	39.2808748596574	-101.1234565	116846.140	4350093.6727261	3222.0587627261	11.60511750227708	3010.971952400176	3010.971952400176	38.0150428274715
425	128	94405	-91101.1413	786217.3170250766	39.28088113090166	-101.1211354	117047.189432326	4350091.648626271	3220.3224340592626	11.6051044331716255	3008.671588514397	3007.69572727338	39.8107474431463
426	128	94406	-90441.1413	786217.3170250766	39.2808872222261	-101.1188048	117248.237910281	4350087.6399624	3220.06255496206	11.60517310734022	3002.71457290639	3002.71457290639	41.4169627727336
427	128	94407	-89781.1413	786217.3170250766	39.28089346854075	-101.1164743	117449.28620934207	4350083.59955413	3216.42680995008	11.605134610051439	2999.437910122532	2998.967723	42.5081904189064
428	128	94408	-89121.1413	786217.3170250766	39.28089596835086	-101.1141438	117650.3343297001	4350080.75060765	3212.3214717557592	11.605140525359767	2996.3025175760076	2995.623529589604	43.57929596837266
429	128	94409	-88461.1413	786217.3170250766	39.28090562611254	-101.1118132	117851.3822715961	4350075.55133309	3208.215781510511	11.605140684040585	2992.896157	2992.896157	44.5940013697385
430	128	94410	-87801.1413	786217.3170250766	39.2809116372198	-101.1094581	118058.7916543696	4350071.528	3204.110247307	11.6051419454484	2990.87619014251	2990.87619014251	45.7845819309736
431	128	94411	-87141.1413	786217.3170250766	39.28091760361181	-101.1071522	118253.476203638	4350067.506836938	3202.755754001	11.60514208370426	2988.7626649109	2988.7626649109	46.95075405433384
432	128	94412	-86481.1413	786217.3170250766	39.28092352484379	-101.1048216	118454.5205225245	4350063.481663001	3198.379701940965	11.6051364808512269	2983.64808512269	2982.1699284824263	48.82193159275434
433	128	94413	-85821.1413	786217.3170250766	39.28092940105377	-101.1024911	118655.572258148	4350059.45848353	3195.95780689685	11.605133284745183	2980.4274934326653	2977.960512	49.5326339865734
434	128	94414	-85161.1413	786217.3170250766	39.2809352224687	-101.1001605	118856.6191067007	4350055.436	3193.5180126347614	11.6051201414703346	2979.677757	2979.677757	50.5236768222463
435	128	94415	-84501.1413	786217.3170250766	39.280941018423036	-101.09783	119057.6661858818	4350051.41383003	3191.387191057	11.6051214217799591	2978.511240479264	2978.511240479264	51.8500220247682
436	128	94416	-83841.1413	786217.3170250766	39.28094676	-101.0954495	119258.12840431	4350047.390339455	3189.54492810872	11.6051029170940505	2976.55882028613	2976.55882028613	52.947019142837605
437	128	94417	-83181.1413	786217.3170250766	39.280952472482	-101.093167	119459.79489424	4350043.94698424	3187.62348427008	11.60512484271026	2974.62348427008	2974.62348427008	54.0176716701529
438	128	94418	-82521.1413	786217.3170250766	39.28095811	-101.090834	119660.807499966	4350039.345394594	3185.844622374204	11.6051203734	2973.264367534403	2973.264367534403	55.08521736008715
439	128	94419	-81861.1413	786217.3170250766	39.28096371256483	-101.0885079	119861.851911966	4350033.32407813	3184.96183241193	11.605122257392345	2972.36240651132086	2972.36240651132086	56.75421072913671
440	128	94420	-81201.1413	786217.3170250766	39.2809697404991	-101.0861773	120062.8971016746	4350030.32682123	3184.976473430582	11.60512078408736	2940.954397032046	2943.325835705806	59.9216877753147
441	128	94421	-80541.1413	786217.3170250766	39.280974790124375	-101.0838468	120263.9437210433	4350027.281296659	3184.967265237045	11.60512081015632	2939.82081015632	2944.66687	60.8816202227449
442	128	94422	-79881.1413	786217.3170250766	39.28098061181895	-101.0815162	120446.9893621	4350023.26	3184.968600435083	11.6051730623	2932.0234219921504	2932.0234219921504	61.88283062072985
443	128	94423	-79221.1413	786217.3170250766	39.2809867								

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatBoth.f	SatBoth.ft	
521	x2	94501	-27741.14133	876217.3170250766	39.28127022030966	-100.89748026	336347.0504924045	4349706.168275797	3041.961717861795	2940.9067531594233	2886.0404858301863	2886.011975747349	44.886266732923696	44.89477717042749
522	x2	94502	-27081.14133	876217.3170250766	39.28127026986196	-100.8952121	33648.0854924346	434970.161962589	3038.464871039524	2939.9652179540646	2893.958302866763	2893.9804764878187	46.036915085301644	46.01505148
523	x2	94503	-26421.14133	876217.3170250766	39.281273914636714	-100.8937418	33648.1213215181	434968.1588167515	3037.761065336888	2939.8072853223976	2891.786263576733	2891.802715420823	47.28442327	47.2787411146662
524	x2	94504	-2561.14133	876217.3170250766	39.281275694273916	-100.890411	33650.15324117814	434966.151403365	3033.854164913863	2938.96520625805	2889.5524892659637	2889.5100685480687	48.65210670771785	48.65210670771785
525	x2	94505	-2051.14133	876217.3170250766	39.2812742889354	-100.8880084	33715.18500220271	434964.14106351	3037.417766420788	2937.2385710838444	2887.347906226469	2887.2862863640357	49.0686485919557	49.052284711808063
526	x2	94506	-2444.14133	876217.3170250766	39.28129171849562	-100.8857498	33735.21600424967	434966.139	3030.0411746027887	2936.3086585831194	2885.2160042714704	2885.2115289838	51.0926117147047	51.0875124073045
527	x2	94507	-23781.14133	876217.3170250766	39.281280763080154	-100.8834193	33753.24804807814	434962.133	3027.4111587040737	2935.427125609769	2883.454319651244	2883.460383001747	51.91695598524795	51.9082368021864
528	x2	94508	-2121.14133	876217.3170250766	39.2812823624711	-100.8818087	33775.2433356837	434968.172944315	3024.057871680834	2934.4521682208583	2881.7668949006356	2881.82568139229	52.6827320222254	52.5994308160239
529	x2	94509	-2245.14133	876217.3170250766	39.281283179196475	-100.8798751	33795.31046146483	434968.172283117	3028.704591880965	2933.4691364858543	2879.353665907221	2879.42233591112	53.1541741369337	53.0480828754218
530	x2	94510	-2180.14133	876217.3170250766	39.2812854272829	-100.8784276	338156.34143113473	434967.101150232	3031.3511208105	2932.51032509611	2875.613896295233	2875.5940942567163	56.88907240337	56.9078255289477
531	x2	94511	-2114.14133	876217.3170250766	39.2812868912423	-100.874097	33857.372243377	434966.131466339	3021.521873747813	2931.521873747813	2869.35569603808	2869.358910792084	56.8661771440045	56.82537640178225
532	x2	94512	-2048.14133	876217.3170250766	39.28128317039185	-100.8717665	33858.0429892271	434962.19041561	3015.45414262358	2930.527818734556	2859.1326302633456	2858.105715364022	57.394847124918	57.42221039819257
533	x2	94513	-1982.14133	876217.3170250766	39.2812896521827	-100.8694359	33879.5433593003	434968.10479858	3029.518871704596	2929.518871704596	2847.054669552166	2846.38893845243	58.34300232	58.34300232
534	x2	94514	-1916.14133	876217.3170250766	39.28129101467976	-100.8671053	33960.4637366052	434964.10067233	3015.1601537095414	2928.4946040397147	2849.87139443074005	2848.76119593952	58.76320954265124	58.76320954265124
535	x2	94515	-1850.14133	876217.3170250766	39.28129222912367	-100.8647748	339161.49392635848	4349650.698781674	3027.454811339269	2928.280384500916	2852.360383688365	2852.360383688365	59.0944474590937	59.0944474590937
536	x2	94516	-1784.14133	876217.3170250766	39.2812933854998	-100.8624442	339362.523947077	434964.038091716	3021.4823417528946	2926.3949671168464	2854.9672874176723	2854.958737030943	61.002300008415	61.002300008415
537	x2	94517	-1718.14133	876217.3170250766	39.28129423568735	-100.8601137	339653.558189179	434964.028961733	3009.7413554363525	2925.3288392382575	2856.2932773160373	2856.2932773160373	63.005361873515	63.005361873515
538	x2	94518	-1652.14133	876217.3170250766	39.2812958234987	-100.8577831	339764.583377438	434968.380623231	3000.0092334416	2924.243230709295	2857.092711065952	2856.90796	64.15051964	64.15051964
539	x2	94519	-1586.14133	876217.3170250766	39.28129686723426	-100.8554255	339965.6130928116	4349634.083099646	3007.300954207278	2923.143930786247	2857.782022946617	2857.6389884340783	65.3519031326293	65.3519031326293
540	x2	94520	-1520.14133	876217.3170250766	39.28129804607936	-100.8531122	340166.6424564405	434963.00134624	3005.643256065776	2922.03260654757	2858.2085409539734	2858.50621339673	62.52633539673	62.52633539673
541	x2	94521	-1454.14133	876217.3170250766	39.28129906401777	-100.8507914	340367.6717434671	4349626.07	3003.97192184432	2920.90972317666	2858.4832661345054	2858.4771179450285	62.4264570436069	62.3795112329375
542	x2	94522	-1389.14133	876217.3170250766	39.28130030973847	-100.8484049	340588.700857553	434962.07474896	3001.32459586565	2919.77643099854	2858.4546197305294	2858.31108267984	61.381113801494	61.381113801494
543	x2	94523	-1323.14133	876217.3170250766	39.28130162404162	-100.8461891	34079.72872841515	434958.052728599	2978.719165	2919.533238486474	2856.4917717188516	2856.49177188516	62.1929182194787	62.1929182194787
544	x2	94524	-1256.14133	876217.3170250766	39.281303327717	-100.8437997	340970.7585551456	4349614.017013355	2998.485189975632	2917.81919826704	2858.539185127439	2858.250779221985	58.9247346962247	59.2112260471635
545	x2	94525	-1190.14133	876217.3170250766	39.2813026759551	-100.8414692	341171.7872255355	4349610.068161029	2996.488554546283	2916.318949020397	2858.19324976897	2857.6904611431064	58.847951814275	58.847951814275
546	x2	94526	-1124.14133	876217.3170250766	39.28130356845826	-100.8391386	341372.8157555096	434960.0668271	2995.45202933945	2915.14305820873	2857.5800510573217	2856.76045246308	57.56335476351165	58.396233726525
547	x2	94527	-1058.14133	876217.3170250766	39.28130421078534	-100.836808	341573.8440742822	434960.06681279	2991.6554324313934	2913.9650122476708	2856.763222417663	2855.558693825281	57.91789893007565	58.3827411338857
548	x2	94528	-992.14133	876217.3170250766	39.2813045002367	-100.8344775	34174.8727388659	4349598.03221844	2997.879564380257	2912.762291299163	2856.003507154547	2856.377195543937	56.74878378708044	58.3743350822611
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550	x2	94530	-860.14133	876217.3170250766	39.28130613670955	-100.8296164	342176.106156732	434959.00369816	2988.621917	2910.247210632914	2853.63112601891	2849.350670750804	58.211621326411	60.946603873929
551	x2	94531	-794.14133	876217.3170250766	39.2813067278332	-100.8274858	342377.9558103036	434958.05965207	2987.9257271669153	2909.048129131473	2854.25537335303	2847.81422918178	54.9717558776969	61.23389940687384
552	x2	94532	-728.14133	876217.3170250766	39.28130724697787	-100.8251552	342578.3063024676	434958.05965207	2987.746503115475	2907.746503115475	2853.649924107345	2846.8176396006	54.13477620278049	59.4201827553894
553	x2	94533	-662.14133	876217.3170250766	39.28130721104874	-100.8228247	342780.0107573714	434958.07852753	2987.496643271516	2906.50428615817	2852.87690901108	2849.74850110728	53.62791915706234	56.72979505920234
554	x2	94534	-596.14133	876217.3170250766	39.28130815021428	-100.8204941	342981.0380016174	434958.0539093	2987.7921871307696	2905.2073621564573	2851.3899526057826	2849.653532320737	53.620495	55.55328933339359
555	x2	94535	-530.14133	876217.3170250766	39.2813085340367	-100.8181638	343192.0659216527	434957.0058	2987.51294193679	2903.891057	2849.624954238108	2847.6226335196053	56.4641119675414	56.4641119675414
556	x2	94536	-464.14133	876217.3170250766	39.2813091474989	-100.815833	343399.126831715	434956.052728599	2987.719165	2902.54510948377	2849.653532320737	2849.653532320737	56.964112470005	58.9891426542026
557	x2	94537	-398.14133	876217.3170250766	39.281309167436795	-100.813024	343591.181819111	434956.058	2987.51294193679	2901.9981824557	2849.653532320737	2849.653532320737	57.6229607466574	58.628316401697284
558	x2	94538	-332.14133	876217.3170250766	39.28130941647573	-100.8117719	343785.1454393917	434955.0890355	2987.711611429293	2900.802785851078	2832.1886013316126	2849.653532320737	57.6229607466574	58.628316401697284
559	x2	94539	-266.14133	876217.3170250766	39.28130962049705	-100.8088413	343986.1713964017	434954.0590405	2987.376248899134	2898.42276949165	2833.03792909544	2833.03792909544	57.6229607466574	58.628316401697284
560	x2	94540	-200.14133	876217.3170250766	39.2813097590075	-100.8065107	344187.198268242	434955.0628813	2987.702986383408	2897.0069036308	2818.23416870654	2817.4545025705223	57.7268513573407	59.75502543986652
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562	x2	94542	-68.14133	876217.3170250766	39.2813096245526	-100.8018436	344589.25047672556	434954.06125864	2987.375761324697	2894.04098203559	2814.04098203559	2813.806867765107	57.8107580353549	61.76481251902124
563	x2	94543	-2.14133	876217.3170250766	39.28130939584948	-100.7993255	344791.302081827	434954.06125864	2987.375761324697	2894.04098203559	2814.04098203559	2813.806867765107	57.8107580353549	61.76481251902124
564	x2	94544	638.858677033514	876217.3170250766	39.281309653733514	-100.7971885	344991.302081827	434954.06125864	2987.375761324697	2894.04098203559	2814.04098203559	2813.806867765107	57.8107580353549	61.76481251902124
565	x2	94545	1298.858677033514	876217.3170250766	39.2813098925485	-100.7948579	345192.327657244	434953.06700786	2986.644141318295	2889.66930964421	2812.948571724813	2813.437588632215	57.76208137	76.2318

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgs.ft	BREIElevKgs.ft	SatHtKgs.ft	SatHtKgs.ft
647	128	94627	55416.8586730335	786217.3170250766	39.28115228554216	-100.6037521	361675.93205294455	4349202.842774917	2857.8277524297127	2736.7494720980126	2691.5771756307317	2693.1807133060818	45.12729646728083	43.56875909141081
648	128	94628	56077.8586730335	786217.3170250766	39.28114743502283	-100.6104126	361676.9455415549	4349198.859942741	2856.2609131055597	2735.68919720077	2691.5213959335347	2692.4369378	45.76852374029595	43.25294206555678
649	128	94629	56738.8586730335	786217.3170250766	39.281143265474904	-100.598991	362077.9694967506	4349184.877321794	2858.664566719683	2734.5417742981704	2690.855491155697	2689.90993931275	45.7829057985184	43.21790457985184
650	128	94630	57398.8586730335	786217.3170250766	39.2813974287005	-100.5961765	362278.97013787438	4349190.84869922	2859.127245575553	2733.60374020477	2690.855491155697	2688.50851033445	46.0364936896363	47.215143571543
651	128	94631	58078.8586730335	786217.3170250766	39.281135805283704	-100.5944299	362479.98640771373	4349186.912638116	2859.687091662096	2732.5707652371016	2690.855491155697	2681.02367669585	47.86575084062434	51.54708658
652	128	94632	58514.8586730335	786217.3170250766	39.28113182267605	-100.5920994	362680.9966396302	4349182.93057534	2860.33476359931	2731.5392608739369	2679.771507280713	2676.340174589763	55.19905659	55.19905659
653	128	94633	59378.8586730335	786217.3170250766	39.2811279505112	-100.5897488	362882.0127874713	4349178.94869862	2861.060191297663	2730.496803167705	2678.345423396749	2672.8710958812585	56.1155692102144	57.62584845512035
654	128	94634	60038.8586730335	786217.3170250766	39.2811237240893	-100.5874383	363083.0277665055	4349176.97008001	2861.74672963601	2729.417571101029	2668.821088913714	2669.96314	56.5964821781354	59.7244170306908
655	128	94635	60698.8586730335	786217.3170250766	39.28111960474946	-100.5855077	363294.0368376628	4349170.385530359	2862.684566719683	2728.2456073199366	2668.75869262929	2669.43890377114	56.8477381637549	61.790457985184
656	128	94636	61358.8586730335	786217.3170250766	39.2811154402777	-100.5827772	363485.0513466277	4349167.004184757	2865.23363955129	2726.925209168752	2665.165400775312	2666.672326597	57.6271941112096	60.25179542579459
657	128	94637	62018.8586730335	786217.3170250766	39.28111123476734	-100.5804468	363686.064	4349163.023	2865.2623134777323	2725.488620323372	2663.104181	2666.402716776833	58.3468811123375	61.88451459547398
658	128	94638	62678.8586730335	786217.3170250766	39.2811069816753	-100.5781161	363887.0764235967	4349152.04105568	2866.09176692074	2723.912828581134	2663.64693212567	2665.947164476614	60.20658967254658	60.2566643745195
659	128	94639	63338.8586730335	786217.3170250766	39.28110263839054	-100.5757855	364088.0875589806	4349155.061344968	2867.171789258187	2722.4717189258187	2664.514465429831	2665.707174286206	60.25452958766	60.7644067899739
660	128	94640	63998.8586730335	786217.3170250766	39.2810804119335	-100.573455	364289.10095733043	4349151.08707034	2867.5265118776547	2721.5655339752824	2664.771076523404	2665.545283155546	61.17382904044207	62.38300748172787
661	128	94641	64658.8586730335	786217.3170250766	39.28109395343043	-100.571244	364490.11302722106	4349147.100837171	2868.333976167947	2719.419027427232	2665.018795350036	2665.5529637404	62.0402789903027	63.8677593332474
662	128	94642	65318.8586730335	786217.3170250766	39.2810891205033	-100.568739	364691.125	4349143.1201790515	2869.15342948441105	2717.80493202084	2665.46651210675	2665.552091025108	62.5424209140851	62.54242091788702
663	128	94643	65978.8586730335	786217.3170250766	39.28108054285302	-100.5664633	364892.138	4349139.14032136	2869.623435326517	2716.573628326517	2666.3419685926315	2666.50288672403	62.5424209140851	62.54242091788702
664	128	94644	66638.8586730335	786217.3170250766	39.28108052003849	-100.5641328	365093.1484540573	4349135.16031588	2875.78223451645986	2714.8639728396806	2667.314275279395	2667.66778184003	62.5424209140851	62.54242091788702
665	128	94645	67298.8586730335	786217.3170250766	39.28107562260805	-100.5618022	365294.1600240676	4349131.18068775	2876.284390343929	2713.358077	2668.77644138932	2669.26382902506	62.5424209140851	62.54242091788702
666	128	94646	67958.8586730335	786217.3170250766	39.281071734	-100.5594717	365495.1714203909	4349127.01227885	2878.0427859353269	2711.8566011618304	2668.819503829067	2669.441534388672	62.5424209140851	62.54242091788702
667	128	94647	68618.8586730335	786217.3170250766	39.28106681649186	-100.5571411	365697.1827096614	4349123.21954931	2881.454085590307	2710.381362942958	2668.842728435581	2669.441534388672	62.5424209140851	62.54242091788702
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672	128	94652	71918.8586730335	786217.3170250766	39.281042716904395	-100.5454884	366701.232145711	4349103.32879865	2883.265578555452	2702.916102833007	2646.45392244386	2646.606574032489	62.5424209140851	62.54242091788702
673	128	94653	72578.8586730335	786217.3170250766	39.28103778893306	-100.5431578	366902.2472915271	4349099.350219104	2884.4762893244	2701.42894079244	2644.780098719849	2644.780098719849	62.5424209140851	62.54242091788702
674	128	94654	73238.8586730335	786217.3170250766	39.2810321594707	-100.5408273	367103.2582155179	4349095.37224784	2884.7533564412447	2700.269727447468	2642.83756371688	2642.83756371688	62.5424209140851	62.54242091788702
675	128	94655	73898.8586730335	786217.3170250766	39.28102779794937	-100.5384686	367304.267479324	4349091.38461476	2885.984566719683	2699.4691967701326	2639.881885	2639.881885	62.5424209140851	62.54242091788702
676	128	94656	74558.8586730335	786217.3170250766	39.28102300119114	-100.5361672	367505.279641801	4349087.146205316	2887.156271081473	2698.671307193946	2638.1698375152037	2638.1698375152037	62.5424209140851	62.54242091788702
677	128	94657	75218.8586730335	786217.3170250766	39.28101762688565	-100.5338357	367706.286068683	4349083.34947222	2887.156271081473	2696.5049835876	2633.363670433917	2632.859606597452	62.5424209140851	62.54242091788702
678	128	94658	75878.8586730335	786217.3170250766	39.28101247383221	-100.5315051	367907.2968421154	4349079.46218838	2887.156271081473	2694.813624715	2633.363670433917	2632.859606597452	62.5424209140851	62.54242091788702
679	128	94659	76538.8586730335	786217.3170250766	39.281007275760835	-100.5291746	368108.3020304753	4349075.485176271	2887.156271081473	2692.50097423391	2633.363670433917	2632.859606597452	62.5424209140851	62.54242091788702
680	128	94660	77198.8586730335	786217.3170250766	39.2810023267421	-100.526844	368309.317850951	4349071.508391511	2887.156271081473	2690.430467956216	2633.363670433917	2632.859606597452	62.5424209140851	62.54242091788702
681	128	94661	77858.8586730335	786217.3170250766	39.2809967445696	-100.5245135	368510.323449937	4349067.53164853	2887.156271081473	2688.50851033445	2632.859606597452	2632.859606597452	62.5424209140851	62.54242091788702
682	128	94662	78518.8586730335	786217.3170250766	39.2809914144447	-100.522183	368711.3732055	4349063.15163383	2887.156271081473	2686.6710812728	2633.363670433917	2632.859606597452	62.5424209140851	62.54242091788702
683	128	94663	79178.8586730335	786217.3170250766	39.2809860333045	-100.5198524	368912.345952822	4349059.57869392	2887.156271081473	2684.78611012768	2628.56759339607	2627.127743486056	62.5424209140851	62.54242091788702
684	128	94664	79838.8586730335	786217.3170250766	39.28098061014844	-100.5175219	369113.3550679585	4349055.60270376	2887.156271081473	2682.85093340453	2628.56759339607	2627.127743486056	62.5424209140851	62.54242091788702
685	128	94665	80498.8586730335	786217.3170250766	39.280975141974835	-100.5151913	369314.360455628	4349051.62882522	2887.156271081473	2680.614478822964	2627.127743486056	2627.127743486056	62.5424209140851	62.54242091788702
686	128	94666	81158.8586730335	786217.3170250766	39.28096962874426	-100.5128608	369515.3729193727	4349046.5108421	2887.156271081473	2678.614478822964	2627.127743486056	2627.127743486056	62.5424209140851	62.54242091788702
687	128	94667	81818.8586730335	786217.3170250766	39.280964075076985	-100.5105303	369716.38565292	4349043.676	2887.156271081473	2676.614478822964	2627.127743486056	2627.127743486056	62.5424209140851	62.54242091788702
688	128	94668	82478.8586730335	786217.3170250766	39.28095846735253	-100.5081997	369917.3903	4349039.7	2887.156271081473	2674.7125462195	2628.56759339607	2627.127743486056	62.5424209140851	62.54242091788702
689	128	94669	83138.8586730335	786217.3170250766	39.28095300119114	-100.5058675	370128.407759887	4349035.7	2887.156271081473	2672.814478822964	2628.56759339607	2627.127743486056	62.5424209140851	62.54242091788702
690	128	94670	83798.8586730335	786217.3170250766	39.28094712582005	-100.5035386	370319.4071162445							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtBoth.ft	SatHtBoth.ft
32	129	94753	-349821.1413	768677.3170250766	39.27679934428873	-102.0346764	238224.3342430619	4318885.039	3545.1239121853705	37.023398314841407	3673.5033181911003	3676.1581103141965	78.890531239304039	76.23572834217566
34	129	94754	-349161.1413	768677.3170250766	39.27682310150525	-102.0232461	238425.5705305028	4318890.34042578	3946.418006420505	37.02350698209185	3671.6707219185456	3675.6953328931988	78.5650874256362	74.5404563582076
35	129	94755	-348501.1413	768677.3170250766	39.27684967881484	-102.0200118	238626.5044270624	4318876.81741333	3947.634943888164	37.0243693738163	3669.7545738397489	3676.2718138027498	78.2718138027498	72.5291709891022
36	129	94756	-347841.1413	768677.3170250766	39.27687071956773	-102.0273651	23883.896713320492	4318772.43271137	3943.857445009184	37.02456268897	3667.752402262613	3674.5214462932413	78.1050248629634	71.3539609760252
37	129	94757	-347181.1413	768677.3170250766	39.27689442131366	-102.0253555	239028.9716048536	4318868.444991989	3941.78396726219	37.0246070609929	3665.5470689849384	3671.841867086718	78.0939007149047	71.8261028
38	129	94758	-346521.1413	768677.3170250766	39.27691807805262	-102.0230253	239230.1047775114	4318854.5469038775	3939.67121612409983	37.02487025121919	3663.4817050414504	3667.17099112479325	77.9202016036586	74.23781395388462
39	129	94759	-345861.1413	768677.3170250766	39.27694168978459	-102.020865	239431.2376921404	4318860.49090799	3938.4628998318253	37.025057146091	3661.721123752604	3662.200046466387	77.4143400148687	76.9625277823212
40	129	94760	-345201.1413	768677.3170250766	39.276965256509484	-102.0183648	239632.3704822908	4318856.351300741	3936.195851300741	37.02528817606	3659.995228726583	3667.171530677908	76.90887871	79.11696438919626
41	129	94761	-344541.1413	768677.3170250766	39.27698987822732	-102.0161346	239833.5027462148	4318852.50637703	3934.854943888164	37.0254940382762	3658.7544573895853	3667.171530677908	76.90887871	79.11696438919626
42	129	94762	-343881.1413	768677.3170250766	39.27701225453801	-102.0137044	240034.5348695368	4318848.15646176	3937.5507694167	37.0257063830294	3657.1941135977248	3649.404167054535	78.21543400148687	82.9164835834462
43	129	94763	-343221.1413	768677.3170250766	39.27703586641152	-102.0113741	240235.7667871465	4318843.93028653	3935.7057614136812	37.025910765181923	3656.08383813934	3636.15715181923	79.89693136258908	83.7088960242443
44	129	94764	-342561.1413	768677.3170250766	39.27705907	-102.0090438	240436.8993630407	4318839.962386625	3935.471082425131	37.0271983365497	3655.107117267552	3644.2553486331385	77.7610657937428	83.5226707025123
45	129	94765	-341901.1413	768677.3170250766	39.27708281502683	-102.0067137	240638.970612871	4318834.65835591	3934.192573523387	37.025480734	3654.239830353451	3642.107483822481	71.2408010202871	83.37325019126138
46	129	94766	-341241.1413	768677.3170250766	39.2771051170855	-102.0043834	240839.1680719662	4318831.769	3933.1040120424319	37.02319347273838	3653.381280772208	3640.96303653659	69.7980540017585	85.2383623582466
47	129	94767	-340581.1413	768677.3170250766	39.27712896	-102.0020352	241040.2917255762	4318827.67206485	3931.667814255337	37.0278097610434	3652.030299423523	3634.074124346654	76.8428773732604	78.7968772437797
48	129	94768	-339921.1413	768677.3170250766	39.27715171004687	-101.9997229	241241.2423	4318823.7653262	3930.460716897205	37.0256899328046	3652.030299423523	3633.737477717875	65.5336037703306	84.8315156672013
49	129	94769	-339261.1413	768677.3170250766	39.2771753370937	-101.9973927	241442.5526623414	4318819.818	3929.264268044134	37.0256188746682	3651.382337537656	3634.708941624818	64.8795496108844	81.55297027186386
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51	129	94771	-337941.1413	768677.3170250766	39.27722152	-101.9927322	241844.8125787177	4318811.289139802	3926.8687632566	37.025463324569	3650.1471950229934	3630.553079106705	61.49935870315774	81.09347421786424
52	129	94772	-337281.1413	768677.3170250766	39.2772454664281	-101.990402	242045.942148334	4318807.1937255101	3925.143738634513	37.025463324569	3649.1357952730723	3626.935276989919	82.3847034286808	80.7968772437797
53	129	94773	-336621.1413	768677.3170250766	39.2772675	-101.9880717	242247.07146516314	4318803.98021535	3923.598200424174	37.027031611	3647.439423689156	3630.185392	59.99173701268495	76.84576930186995
54	129	94774	-335961.1413	768677.3170250766	39.2772904489375	-101.9857415	242448.2005266514	4318799.003	3922.05316938934	37.0247295307867	3644.838180730901	3635.581298577859	59.9881118998569	68.4299445292786
55	129	94775	-335301.1413	768677.3170250766	39.277313359768	-101.9834297	242649.368612256	4318794.60882262	3920.227974585294	37.0247295307867	3643.78478174568	3634.8295821985	61.595435821985	76.84576930186995
56	129	94776	-334641.1413	768677.3170250766	39.277336201313655	-101.981081	242850.4578389024	4318790.813977638	3918.7872274541974	37.02128754231	3636.060571291878	3635.451320418184	64.0520024136428	61.6577380164265
57	129	94777	-333981.1413	768677.3170250766	39.2773590401227	-101.9787507	243051.58818025106	4318786.7917964	3916.9317887776912	37.0256867792727	3637.9455777256	3637.46771498	59.8540221966588	76.84576930186995
58	129	94778	-333321.1413	768677.3170250766	39.27738176	-101.9764205	243252.7142219937	4318782.62549186	3910.795940696716	37.0256867792727	3636.503397606235	3623.65737739339	62.1466121336716	71.84965602128432
59	129	94779	-332661.1413	768677.3170250766	39.2774044728548	-101.9740902	243453.8420093366	4318778.51137307	3909.2041346190795	37.0256867792727	3635.16100219156754	3623.09154623251	77.167039154623251	77.167039154623251
60	129	94780	-332001.1413	768677.3170250766	39.27742713946025	-101.97176	243654.9966	4318774.47284318	3908.85603233954	37.0256867792727	3634.58102219156754	3623.09154623251	77.167039154623251	77.167039154623251
61	129	94781	-331341.1413	768677.3170250766	39.2774508162703	-101.9694829	243856.966863256	4318770.34589261	3907.994974585294	37.0256867792727	3633.81802219156754	3623.09154623251	77.167039154623251	77.167039154623251
62	129	94782	-330681.1413	768677.3170250766	39.2774735745682	-101.9672033	244057.2324700138	4318766.5092873	3906.59072379723	37.0256867792727	3633.09154623251	3623.09154623251	77.167039154623251	77.167039154623251
63	129	94783	-330021.1413	768677.3170250766	39.2774968913655	-101.9647962	244258.5061867972	4318762.15678007	3905.6717438931068	37.0256867792727	3632.26178501191087	3630.92081344874	77.167039154623251	77.167039154623251
64	129	94784	-329361.1413	768677.3170250766	39.2775173567919	-101.9624389	244459.471737045	4318758.06365103	3904.2804510398132	37.0256867792727	3631.76187316345	3630.92081344874	77.167039154623251	77.167039154623251
65	129	94785	-328701.1413	768677.3170250766	39.27753979721368	-101.9601087	244660.6304045004	4318753.977012452	3903.46433136427	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
66	129	94786	-328041.1413	768677.3170250766	39.277562193740025	-101.9577784	244861.72941473272	4318749.87790653	3902.607452340304	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
67	129	94787	-327381.1413	768677.3170250766	39.2775845425812	-101.9554481	245062.8651742551	4318745.78419691	3901.785994330407	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
68	129	94788	-326721.1413	768677.3170250766	39.2776071761784	-101.9531179	245263.968812256	4318741.63059461	3900.872198154524	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
69	129	94789	-326061.1413	768677.3170250766	39.27762911326949	-101.950876	245465.1053584846	4318737.60890262	3900.03673019653	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
70	129	94790	-325401.1413	768677.3170250766	39.27765132976266	-101.9484573	245666.2308332963	4318733.508917182	3900.27177682726	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
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72	129	94792	-324081.1413	768677.3170250766	39.27769562772382	-101.9437968	246068.4801876366	4318725.32527526	3899.534019050274	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
73	129	94793	-323421.1413	768677.3170250766	39.2777170919172	-101.9414665	246269.6044369955	4318721.23411199	3898.654098674307	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
74	129	94794	-322761.1413	768677.3170250766	39.277739456031	-101.9391362	246470.7263091056	4318717.14290397	3897.8847710697624	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
75	129	94795	-322101.1413	768677.3170250766	39.2777618291382	-101.9368429	246671.848291382	4318713.08179962	3897.118291382	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
76	129	94796	-321441.1413	768677.3170250766	39.2777838355503	-101.9344577	246872.9757696874	4318709.10540716	3896.357191653452	37.0256867792727	3630.92081344874	3630.92081344874	77.167039154623251	77.167039154623251
77	129	94797	-320781.1413	768677.3170250766	39.2778058488858	-101.9321454</								

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRRElevKgr.f	BRRElevKgr.f	BRRElevKgr.f	SurfBoth.f	SurfBoth.f
159	129	94879	-266661.1413	786877.3172025076	39.27944834351116	-171.741058	263655.3714743471	4351370.086216981	3704.0258676818565	3519.3601812208981	3463.176743027891	3383.451471588597	36.183438.91329084	135.9087635342024		
160	129	94880	-266601.1413	786877.3172025076	39.27944649953983	-171.738726	263766.7447248034	4351366.01138134	3703.830179307214	3518.18670433641	3462.074598115386	3382.63280536252	36.15072283556228	155.2540238018686		
161	129	94881	-266581.1413	786877.3172025076	39.27944642059784	-171.738762	263817.836738891	4351361.836738891	3703.830179307214	3518.18670433641	3462.074598115386	3382.63280536252	36.15072283556228	155.2540238018686		
162	129	94882	-266481.1413	786877.3172025076	39.279502690663595	-171.734068	264168.6805265017	4351357.862261214	3701.638803	3517.987077112967	3461.2876271131368	3376.806279300247	36.543540998930224	139.0168447350866		
163	129	94883	-266401.1413	786877.3172025076	39.27952072660769	-171.731364	264369.7827763376	4351343.05526832	3702.448310552683	3517.683622678366	3461.116542476746	3389.4671422720762	35.51714015109064	125.1662041576037		
164	129	94884	-266361.1413	786877.3172025076	39.27953821379775	-171.729406	264570.884942221	4351339.713961092	3703.663014483358	3513.441193110991	3461.066876939566	3401.932685292166	35.73473617142511	112.02474521860158		
165	129	94885	-266201.1413	786877.3172025076	39.27956652659956	-171.7270756	264771.987	4351345.64068813	3704.872119708905	3512.274119272827	3460.825766070168	3431.9880414614713	35.124734585711483	98.25907645176037		
166	129	94886	-266204.1413	786877.3172025076	39.27957455	-171.724752	264973.088732814	4351341.56637678	3704.079234233244	3511.0625792196363	3461.3431122616416	3429.203904557819	35.79466957994664	86.7466746818174		
167	129	94887	-266181.1413	786877.3172025076	39.27958239862472	-171.722416	265174.196028674	4351337.452878465	3706.58728611704673	3509.858984047415	3461.070251384969	3430.98642009105	35.78883091977229	88.8494839863651		
168	129	94888	-266121.1413	786877.3172025076	39.27961024148256	-171.720045	265375.251413116	4351333.42	3708.362153467537	3508.67211032896	3460.739415690495	3427.9740668544	35.77244477944	71.5922497		
169	129	94889	-266061.1413	786877.3172025076	39.279627964206024	-171.7175541	265576.3926	4351329.364441085	3706.137138764807	3507.4788711881224	3460.615317972584	3422.26952604288	35.6235321525041	65.20934513383463		
170	129	94890	-259401.1413	786877.3172025076	39.27964568007994	-171.7154237	26577.4943231325	4351263.275309465	3705.91204061976	3506.2955910302584	3460.453657386025	3467.160238211553	35.83926216455884	59.5768607143015		
171	129	94891	-258471.1413	786877.3172025076	39.27966335052785	-171.7130933	265978.599470428	4351321.200776959	3704.5736746526073	3505.185942872267	3460.3990878661853	3450.51019524488	35.71906421206916	50.75968742922406		
172	129	94892	-258081.1413	786877.3172025076	39.27968097596305	-171.7107629	266179.6945711009	4351317.126216535	3702.66191	3503.9490218909356	3460.430851188364	3453.47018327017122	35.50168270269571	50.168272069571		
173	129	94893	-257421.1413	786877.3172025076	39.27969586536926	-171.7084329	266380.7943117009	4351313.05855264	3705.701464387928	3502.789146927635	3460.602105419865	3456.47155791358	35.42181704504573	46.3135378		
174	129	94894	-256761.1413	786877.3172025076	39.27971609179715	-171.7061021	266581.8941184205	4351308.98380429	3698.47382330055	3501.634383957555	3459.074501100876	3458.2214957472207	35.41404321032678	41.657887706885		
175	129	94895	-256101.1413	786877.3172025076	39.27973358219578	-171.7037717	266782.9840199743	4351304.91702892	3698.21868613314	3500.497854590911	3458.259006423495	3458.006871520117	35.422388415866172	42.4909307		
176	129	94896	-255441.1413	786877.3172025076	39.27975107258203	-171.7014412	266984.0935217723	4351303.79108118325	3693.7910578479336	3499.3764767067856	3454.825641238552	3454.827042429645	35.44520063623347	44.5520940203657		
177	129	94897	-254781.1413	786877.3172025076	39.27978642795593	-171.6991108	267185.192731378	4351296.768310038	3693.34239626745	3498.265284174885	3456.861937267222	3457.013348321306	35.44703460426653	47.51935859357854		
178	129	94898	-254121.1413	786877.3172025076	39.27978578331473	-171.6967804	267386.2917110029	4351292.6989907	3688.93801274597	3497.12496070756	3446.943143087825	3446.4702039179364	35.502293527197364	50.7024566294795		
179	129	94899	-253461.1413	786877.3172025076	39.2798033096649	-171.69445	267587.390460687	4351284.652679028	3687.95472738021	3496.095545246232	3443.2998078738265	3443.590456495806	35.7295737324051	53.6649506002498		
180	129	94900	-252801.1413	786877.3172025076	39.27982035903778	-171.6921196	267782.48898117547	4351284.55468194	3686.342852941198	3495.0362979371777	3438.7324923800293	3438.7324923800293	35.7295737324051	53.6649506002498		
181	129	94901	-252141.1413	786877.3172025076	39.2798374733873	-171.690482	267903.544767874	4351277.580167204	3687.116767309517	3494.289118145562	3438.7324923800293	3438.7324923800293	35.7295737324051	53.6649506002498		
182	129	94902	-251481.1413	786877.3172025076	39.27985475453867	-171.687458	268190.6533393164	4351276.411566933	3684.500470364314	3492.978397395427	3434.535506026547	3432.596245535445	35.7295737324051	53.6649506002498		
183	129	94903	-250821.1413	786877.3172025076	39.27987188493765	-171.6851284	268381.7831667914	4351272.632695995	3681.659374275641	3491.8849017619918	3430.602094216389	3429.58414579029	35.73982734502696	62.12648719106255		
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186	129	94906	-248841.1413	786877.3172025076	39.27992300575882	-171.6781371	268995.075293765	4351260.12463753	3677.34842795926	3489.162385571264	3422.717957	3421.83228896836	35.73982734502696	62.12648719106255		
187	129	94907	-248181.1413	786877.3172025076	39.27993965070784	-171.6759827	269186.1722129078	4351257.129078196	3676.69069698157	3488.2611679898157	3487.195247749248	3419.25467749248	35.73982734502696	62.12648719106255		
188	129	94908	-247521.1413	786877.3172025076	39.2799581234876	-171.6734763	269377.2699412271	4351251.932425716	3675.872095157243	3487.195247749248	3487.195247749248	3419.25467749248	35.73982734502696	62.12648719106255		
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193	129	94913	-244221.1413	786877.3172025076	39.28004071222903	-171.6618242	270402.748848682	4351231.64853253	3638.721216	3479.685892058103	3403.213628713804	3400.09203398947	35.73982734502696	62.12648719106255		
194	129	94914	-243561.1413	786877.3172025076	39.2800574733873	-171.6594038	270603.544767874	4351227.580167204	3637.116767309517	3478.7324923800293	3402.978118145562	3402.978118145562	35.73982734502696	62.12648719106255		
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200	129	94920	-239601.1413	786877.3172025076	39.2801562130555	-171.6455112	271810.4114952213	4351203.73830034	3626.67487772419	3469.1770893847	3469.1770893847	3402.978118145562	35.73982734502696	62.12648719106255		
201	129	94921	-238941.1413	786877.3172025076	39.2801736733873	-171.6431872	272014.951868452	4351199.16884921	3625.127347505812	3468.19448158342	3468.19448158342	3				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SatHt.Kg.f	SatHt.Kg.f
285	129	95005	-183501.1413	876877.3170250766	39.281382718899025	-101.4474211	288022.59704776545	4350888.152620335	3479.4917216859885	43548.78516889696	3351.681031	3356.070430802641	3376.762036889641	2.387420887328157
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288	129	95008	-181521.1413	876877.3170250766	39.28142006539637	-101.4440296	289505.8205773253	4350882.0005248175	3482.8055652620083	43531.299004	3348.9389247738499	3376.751295956308	3376.751295956308	3.1321635670606156
289	129	95009	-180861.1413	876877.3170250766	39.281432424195714	-101.4380991	289706.89730586455	4350881.4893891805	3484.87078301647	43500.916665260455	3337.364343178705	3345.71734284157	3376.751295956308	2.428829224188851
290	129	95010	-180201.1413	876877.3170250766	39.281444737974984	-101.4357686	289907.9718274162	4350877.89981215	3486.930077126043	43498.00927400806	3333.134945613823	3342.31734508948	3376.751295956308	5.69173011717045
291	129	95011	-179541.1413	876877.3170250766	39.28145700747665	-101.4334381	290109.0461421832	4350883.85	3487.76083829467	43436.02557804054	3329.708002731353	3338.915000090184	3376.751295956308	1.711305713923354
292	129	95012	-178841.1413	876877.3170250766	39.28146923050027	-101.4311076	290310.1202503717	4350890.00038845	3487.345295577045	4348.07096642618	3325.802239697024	3332.950858059546	3376.751295956308	10.46178034607196
293	129	95013	-178201.1413	876877.3170250766	39.28148146923721	-101.428717	290511.19415218546	4350895.75435824	3488.92762630441	4342.17042816418	3321.698418175302	3331.600119986898	3376.751295956308	2.4686345
294	129	95014	-177561.1413	876877.3170250766	39.2814935425651	-101.426465	290712.2678473119	4350891.70102202	3489.5141103179	4340.261915827155	3318.3523770261007	3322.254431220774	3376.751295956308	2.922049502617265
295	129	95015	-176901.1413	876877.3170250766	39.2815055166412	-101.424116	290913.3413731574	4350891.657197373	3488.769583130315	4340.810696224373	3315.314510613515	3317.78881137933	3376.751295956308	6.63918578314535
296	129	95016	-176241.1413	876877.3170250766	39.28151767535404	-101.421785	291114.146214401	4350893.602761926	3484.65973991949	4336.576439524495	3312.571624214304	3309.930682755924	3376.751295956308	6.63737117695201
297	129	95017	-175581.1413	876877.3170250766	39.28152967402835	-101.419455	291315.487699114	4350895.503591561	3483.753354699146	4334.738354699146	3310.3206303058354	3328.32650235424	3376.751295956308	6.427585136990729
298	129	95018	-174921.1413	876877.3170250766	39.28154167266686	-101.417125	291516.5605728327	4350850.50525863	3482.54134493819	4332.74527576672	3308.0919114192734	3326.39369568119	3376.751295956308	1.245561616
299	129	95019	-174261.1413	876877.3170250766	39.28155353632597	-101.414739	291717.633204710	4350891.456790627	3481.54479469433	4331.154686771076	3306.241091491778	3324.11969939478	3376.751295956308	7.70349842268441
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302	129	95022	-172281.1413	876877.3170250766	39.28158909216261	-101.4078024	292320.8500155526	4350789.312521714	3476.07007891986	4325.82043730157	3302.5866706384183	3319.849517402546	3376.751295956308	5.9752623900436
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304	129	95024	-170961.1413	876877.3170250766	39.28161240430356	-101.4031413	292722.993101556	4350781.21281014	3472.356911358176	4322.280504469367	3297.889726068933	3316.064213800347	3376.751295956308	8.16636195191271
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306	129	95026	-169641.1413	876877.3170250766	39.2816356363478	-101.3984043	293126.136189111	4350773.12810958	3468.63296671048	4318.726208460155	3295.03313354095	3307.8203648977795	3376.751295956308	10.90017394823967
307	129	95027	-168981.1413	876877.3170250766	39.28164718494052	-101.396168	293326.291691019	4350744.798	3467.3426195496	4316.9352641955204	3293.178303740276	3295.284411610496	3376.751295956308	11.5477380238392
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310	129	95030	-167001.1413	876877.3170250766	39.28168156035181	-101.3891582	293929.4910663823	4350756.36	3454.87614208906	4311.4921463512505	3289.26479	3298.237417855708	3376.751295956308	13.25404495693974
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313	129	95033	-165021.1413	876877.3170250766	39.28171553585882	-101.3821666	294539.269159109	4350744.798	3438.25416952104	4305.926401955204	3283.3178303740276	3292.584811610496	3376.751295956308	14.63186134471548
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316	129	95036	-163041.1413	876877.3170250766	39.28174909582095	-101.375175	295135.8374065882	4350732.661770029	3428.505179243017	4300.2895912999146	3276.386621916353	3283.978559613683	3376.751295956308	16.23019318395716
317	129	95037	-162381.1413	876877.3170250766	39.28176019417604	-101.372845	295336.9064169717	4350728.16705964	3425.520472863466	4298.26648395227	3273.648778	3281.42036437307	3376.751295956308	16.84634195211867
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321	129	95041	-159741.1413	876877.3170250766	39.28180431743431	-101.363223	296134.4804809997	4350712.43838431	3415.350844763556	4290.23648493026	3265.096122142897	3276.751295956308	3376.751295956308	15.89667495116859
322	129	95042	-159081.1413	876877.3170250766	39.28181501070825	-101.3611918	296342.2485430616	4350708.394219096	3413.478169434617	4288.205663662775	3262.774197983386	3274.1172739675	3376.751295956308	16.45490638288945
323	129	95043	-158421.1413	876877.3170250766	39.28182583865915	-101.3588612	296543.3162602971	4350704.35027891	3411.142475078953	4286.196719128674	3260.11824984913	3268.76776	3376.751295956308	17.4289852801876147
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325	129	95045	-157101.1413	876877.3170250766	39.28184736043234	-101.3542002	296945.4517224233	4350696.26949431	3407.5357664936755	4282.01563596385	3256.00258237103	3262.329328962455	3376.751295956308	16.01284873247494
326	129	95046	-156441.1413	876877.3170250766	39.28185805360096	-101.3518696	297145.5184709872	4350682.219631457	3405.747408094787	4279.95819724112	3254.554378561398	3260.7567634949843	3376.751295956308	15.36263231701794
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328	129	95048	-155121.1413	876877.3170250766	39.28187935040926	-101.3472086	297548.6522940473	4350654.13471351	3402.06577313031	4275.6202889701	3250.66417698883	3256.915300700131	3376.751295956308	14.956112118178
329	129	95049	-154461.14											

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
411	129	95131	-100341.1413	876877.3170250766	39.282602439674235	-101.1537716	13246.52361661154	4350349.22333211	3254.8760619033887	3042.01416942423043	3042.014589567814	3043.2037862406173	3042.31743596452289	31.2124080016898	
412	129	95132	-96981.14133	876877.3170250766	39.2826055141013	-101.154471	144437.57422429114	4350345.19639433	3252.4245039306124	3072.0102619330306	3038.733507185132	3039.647902406385	33.276754793198475	33.0973899197212	
413	129	95133	-69021.14133	876877.3170250766	39.28261608126225	-101.1481104	134639.52485020884	4350341.1684391	3248.982748713679	3069.584582025846	3038.624582025846	3040.991520369644	34.0091520369644	33.08340774047024	
414	129	95134	-96361.14133	876877.3170250766	39.2826227968251	-101.146779	141839.6752945557	4350337.142609951	3247.536092119135	3067.292613441148	3037.718951275972	3037.792313384056	33.9754052111135	33.9754052111135	
415	129	95135	-97701.14133	876877.3170250766	39.282629456510975	-101.1444493	151040.72555755835	4350333.106909143	3244.126642424173	3064.991481254853	3029.963758625863	3030.421138745167	34.0272269166874	34.5703424083362	
416	129	95136	-97041.14133	876877.3170250766	39.2826360817888	-101.1421187	151241.775739357	4350329.108907027	3239.754411083276	3062.745824401131	3027.7394312674674	3027.992019145028	34.960511768455	34.7343602028485	
417	129	95137	-96381.14133	876877.3170250766	39.28264428425554	-101.1397881	151424.825640248	4350325.06348852	3237.302217592037	3060.501229191917	3026.119474	3026.218153711551	34.3928182131376	34.29418326836894	
418	129	95138	-96271.14133	876877.3170250766	39.2826494645455	-101.1374578	151643.8750634116	4350321.03748852	3231.009947634546	3058.370931714324	3025.186162270687	3025.273395487438	33.2717694333717	33.097382688459	
419	129	95139	-95951.14133	876877.3170250766	39.28265575	-101.1351265	151844.52485020884	4350317.011690676	3228.49854698836	3056.517913684984	3024.547629881291	3024.707232874798	31.74486229	31.6955833214994	
420	129	95140	-94401.14133	876877.3170250766	39.28266221455874	-101.1327163	161045.9742559347	4350312.988	3220.847764465493	3054.2614031233	3022.14025589541	3022.14025589541	32.1585817026933	32.0557659187561	
421	129	95141	-93471.14133	876877.3170250766	39.28266858	-101.1304657	161247.032485068	4350308.961	3222.197403286146	3052.39242	3018.075028623536	3018.01081158191372	34.1689914366403	34.39126186046334	
422	129	95142	-93081.14133	876877.3170250766	39.28267500279135	-101.1281351	161448.0724375714	4350304.935314984	3223.546873	3050.4997486774764	3014.217917171185	3014.069927033931	36.2818315062918	36.4297636808514	
423	129	95143	-92421.14133	876877.3170250766	39.28268133	-101.1258046	161649.121257297	4350300.910242811	3223.0431627051457	3048.642469974716	3010.5976563281456	3010.5322167654663	38.04481354657022	38.1125392924951	
424	129	95144	-91761.14133	876877.3170250766	39.28268761085231	-101.123474	161850.16989731876	4350296.88538815	3222.686299023117	3046.817375862852	3007.475217248788	3007.4440485196344	39.34276114063624	39.3725713473567	
425	129	95145	-91101.14133	876877.3170250766	39.28269384735588	-101.1211434	17051.21859803384	4350292.86062992	3228.32453341478	3040.2017423015986	3006.442069693616	3006.442069693616	40.49201166968015	41.01978583	
426	129	95146	-90441.14133	876877.3170250766	39.2827003891446	-101.118128	171252.266639575	4350288.361155334	3225.972571659644	3043.254638911165	3001.03061231373	3001.03061231373	42.2240265979185	42.7798948343809	
427	129	95147	-89781.14133	876877.3170250766	39.28271168309124	-101.1164822	171453.31474238227	4350284.812	3222.2711469893046	3041.517512834904	2998.000578341975	2997.0564614714824	43.15168344992976	44.46087121	
428	129	95148	-89121.14133	876877.3170250766	39.28271228675879	-101.1141516	171654.362666146	4350282.77704475	3221.225161341258	3039.80301635624	2994.588275547532	2994.588275547532	45.2152609199216	46.0044216303165	
429	129	95149	-88461.14133	876877.3170250766	39.282718343190474	-101.111821	171855.4011919654	4350276.763712615	3221.13719756911116	3038.14759836375	2991.1564000387702	2990.439810953406	46.95819698760462	47.6207788410348	
430	129	95150	-87801.14133	876877.3170250766	39.28272435460141	-101.1094904	181066.4577979235	4350272.74006179	3220.137190400655	3036.49057362445	2988.101791931203	2987.030876	48.437265431241794	49.4916280514485	
431	129	95151	-87141.14133	876877.3170250766	39.2827303999682	-101.1071598	181257.0559684214	4350268.71649219	3203.53515526213	3034.80595256273	2984.979256865643	2983.604854652467	49.9689740021947	51.2007693139685	
432	129	95152	-86481.14133	876877.3170250766	39.28273624237746	-101.1048292	181548.5557974996	4350264.69300371	3201.385660221937	3033.18306269156	2981.8144419305165	2981.7075989977	51.3686443326239	53.1055272638476	
433	129	95153	-85821.14133	876877.3170250766	39.2827376451151616	-101.1024683	181859.6768994254	4350262.34675633	3198.222416751937	3032.36198291937	2980.73198291937	2980.73198291937	52.53971445807824	53.985782824	
434	129	95154	-85161.14133	876877.3170250766	39.2827475007864	-101.100168	181890.645496024	4350256.64867003	3197.08627510033	3029.90179	2975.32082390327	2972.685245513115	54.66926071257524	57.294464302989	
435	129	95155	-84501.14133	876877.3170250766	39.28275373640214	-101.0978374	191061.69314854394	4350252.640524575	3194.98675165205	3028.4199295797316	2972.204087	2968.95424168019	56.37903222	59.44405789953271	
436	129	95156	-83841.14133	876877.3170250766	39.28275947707759	-101.0955068	191262.73965043476	4350248.61425998	3192.9373116572997	3026.8676436987307	2968.733816017853	2967.407174877988	58.132768087796	59.8197522074284	
437	129	95157	-83181.14133	876877.3170250766	39.282765173994846	-101.0931762	191463.7895748057	4350244.579	3190.8878981434369	3025.33983282606	2965.528873723533	2964.08726659341	59.800519558473305	61.24676176286374	
438	129	95158	-82521.14133	876877.3170250766	39.2827705262447	-101.0908456	191664.8321238854	4350240.556737292	3188.838485	3023.819300392925	2960.749157887855	2959.022129031778	60.7014249	64.7971713581433	
439	129	95159	-81861.14133	876877.3170250766	39.282776451151616	-101.088145	191868.6789567535	4350236.34675633	3186.222416751937	3022.36438592923	2958.73198291937	2958.73198291937	62.0748447201068	63.985782824	
440	129	95160	-81201.14133	876877.3170250766	39.282781992748475	-101.085814	192066.59191592	4350232.581902314	3184.004949	3020.841298114166	2948.132378611167	2948.132378611167	70.082072029784	72.4440489101626	
441	129	95161	-80541.14133	876877.3170250766	39.2827876596341	-101.0838358	192267.36951130894	4350228.491146555	3182.877289603047	3019.378503465956	2939.508443434352	2939.508443434352	78.901896	80.1990514657285	
442	129	95162	-79881.14133	876877.3170250766	39.28279280160224	-101.0815232	192469.0149525207	4350224.46961523	3180.69454092437	3017.834160463894	2937.30396858780175	2936.694724683174	82.075424683174	83.985287487676	
443	129	95163	-79221.14133	876877.3170250766	39.2827980633889	-101.0791926	192670.602234799	4350220.448036417	3182.454797602596	3016.5089554573704	2936.25460967474	2936.25460967474	88.034851059621	73.7502343020227	
444	129	95164	-78561.14133	876877.3170250766	39.28280375	-101.076862	1928071.1053	4350216.447184328	3185.164602650067	3015.105144793715	2925.50871054841	2920.121104738365	89.5982733198777	94.9840413198777	
445	129	95165	-77901.14133	876877.3170250766	39.28280912364177	-101.0745314	192102.1524000984	4350212.40652954	3183.8342551867	3013.72339474372	2925.117931066797	2924.65308262377	96.6608837392208	89.6708711813414	
446	129	95166	-77241.14133	876877.3170250766	39.28281418773076	-101.0722098	192173.1945767125	4350208.385504179	3182.304044841165	3012.36438592923	2922.03813762455	2922.03813762455	97.7077262455	98.5985824	
447	129	95167	-76581.14133	876877.3170250766	39.2828195680719	-101.0698702	1921474.2395445377	4350204.36490597	3011.2804345928704	3011.023954001432	2920.836317435063	2920.836317435063	98.9663651067	76.6638249703808	
448	129	95168	-75921.14133	876877.3170250766	39.28282481959746	-101.0675396	192165.2839371918	4350200.345	3008.8834285097	3009.72096481288	2931.387274348464	2931.387274348464	100.301060206546	76.33372593744115	
449	129	95169	-75261.14133	876877.3170250766	39.28283001802935	-101.065209	1921876.328156705	4350196.324398815	3008.486265782677	3008.486265782677	2932.945606994054	2932.945606994054	102.73235750871208	75.7079306037345	
450	129	95170	-74601.14133	876877.3170250766	39.28283512908074	-101.0628784	192207.3720214011	4350192.130439733	3007.19742834711257	3007.19742834711257	2934.1157486240554	2934.1157486240554	103.0389442723394	72.7502242512636	
451	129	95171	-73941.14133	876877.3170250766	39.282840195113906	-101.0605478	192278.1610714505	4350188.28493548	3196.077217445207	3005.89485	2934.8228164130774	2934.8228164130774	104.5489989792976	75.45498987432697	
452	129	95172	-73281.14133	876877.3170250766	39.2828456112888	-101.0582172	1922479.456971082	4350184.24695216	3195.99999540204	3004.65527673036	2933.719134871604	2932.719134871604	105.733672691754	77.5369264	
453	129	95173	-72621.14133	876877.3170250766	39.28285123101475	-101.055815	1922479.456971082	4350180.24695216	3195.99999540204	3004.65527673036	2933.719134871604	2932.719134871604	106.822945103131	78.6583249703808	
454	129	95174	-71961.14133	876877.3170250766	39.282856123101475	-101.053556	1922479.456971082	4350176.230623073	3195.99999540204	3004.65527673036	2933.719134871604	29			

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WdLs	BRIEVELogKrg.f	BRIEVEBothKrg.f	SatTHKLog.f	SatTHKBoth.f
537	1927	-17181.14133	786877.31720520766	39.28310749594441	-100.8601152	339567.5606083764	434983.284	3007.18499	29.25	327.785510715	2856.5321630225317	2856.372717279599	68.94596717447608
538	1928	-15021.14133	786877.31720520766	39.28310869534824	-100.8577846	339768.5902239595	434939.26032197	3007.18499	29.24	321.4151834936	2857.3239327603697	2857.3239327603697	68.94596717447608
539	1929	-15021.14133	786877.31720520766	39.28310869534824	-100.8577846	339768.5902239595	434939.26032197	3007.18499	29.24	321.4151834936	2857.3239327603697	2857.3239327603697	68.94596717447608
540	1930	-15021.14133	786877.31720520766	39.2831077314942	-100.8583123	340017.704016489	434931.274	3002.3012970055479	29.21	367.7182167187	2855.30289525522	2855.011692	63.607418709639
541	1931	-14541.14133	786877.31720520766	39.28311178751359	-100.8507927	340371.6778367434	434982.27000501	3001.2652275562293	29.08	1157.1175987	2858.72748409939	2858.726824863697	62.03800871
542	1932	-13881.14133	786877.31720520766	39.2831275685902	-100.8448621	340572.7068432616	434950.26367356	3002.291518071101	29.19	615.33233188493	2858.709633982185	2858.709633982185	60.868962490766
543	1933	-13221.14133	786877.31720520766	39.283113681185704	-100.8461615	340773.7358501713	434919.265414658	2998.712157059892	29.18	458.4046115593	2858.96243428538	2859.0124817460738	59.50246118302196
544	1934	-12521.14133	786877.31720520766	39.28311456043464	-100.8439308	340974.764118519	434915.26532749	2998.712225570692	29.17	304949693172	2859.261210210462	2859.261210210462	58.047826747092
545	1935	-11961.14133	786877.31720520766	39.28311538618324	-100.8414702	341175.792396864	434911.265876978	2998.712225570692	29.16	1205873228036	2859.126386583914	2859.126386583914	57.1043687954205
546	1936	-11241.14133	786877.31720520766	39.28311618405367	-100.8391396	341376.5209815279	434907.258989471	2992.716325230265	29.14	5200225851463	2859.226841170805	2859.226841170805	56.0932841433779
547	1937	-10581.14133	786877.31720520766	39.28311680203599	-100.8386809	341577.8491044043	434903.25708072	2990.757899	29.13	703356248417	2857.150252844573	2856.41832638277	55.5548277999875
548	1938	-9921.141327	786877.31720520766	39.28311767238196	-100.8344784	341778.8770408336	434979.255474827	2988.83490542375	29.12	481392872608	2856.1778134757446	2856.1778134757446	53.308793966337
549	1939	-9269.141327	786877.31720520766	39.28311828175233	-100.8321477	341979.904063926	434975.254048729	2986.911914532675	29.11	20419938879	2855.5019035942055	2853.3541013562135	50.7625979459061
550	1940	-8620.141327	786877.31720520766	39.2831188909477	-100.8298171	342180.325510233	434971.25208979	2984.98987485166	29.09	28282913104	2854.8194395058836	2851.377220754814	55.1634340722026
551	1941	-7941.141327	786877.31720520766	39.28311945512433	-100.8274865	342381.9605919087	434977.251757935	2984.077116280627	29.08	71278	2854.019517154103	2849.652354063767	58.05541667
552	1942	-7281.141327	786877.31720520766	39.28311997428217	-100.825159	342592.3871140994	434973.25093219	2984.198713639736	29.07	42991174791	2853.113366215576	2847.907315047246	59.522987006604
553	1943	-6627.141327	786877.31720520766	39.283120448421286	-100.822853	342784.0146	434979.25	2984.27590399081	29.06	132421220475	2851.8716248913697	2846.25489730691	53.510638237817
554	1944	-5961.141327	786877.31720520766	39.28312087541606	-100.8204946	342985.016468212	434975.24975119	2984.375304594875	29.04	818633295258	2850.09040094796	2846.19326359767	58.62536999537235
555	1945	-5301.141327	786877.31720520766	39.28312164134196	-100.818164	343186.0686610987	434971.249421717	2984.031718236683	29.03	4881991663187	2847.5881720491466	2844.877296648393	55.9000271177216
556	1946	-4641.141327	786877.31720520766	39.28312160072598	-100.8158334	343387.09530491946	434977.24305395	2983.261542004213	29.02	1402044074753	2843.935050115312	2841.30512549216315	60.3489605060224
557	1947	-3981.141327	786877.31720520766	39.28312189470001	-100.813928	343588.121986472	434973.24376154	2982.48951155753	29.01	704154454215	2839.25108703147	2837.5902346970404	61.5636747120026
558	1948	-3278.141327	786877.31720520766	39.283122143835296	-100.811722	343789.1453600575	434979.25	2981.71026102599	2899.38936374667	2833.52086517482	2833.52086517482	2833.52086517482	67.0816732333118
559	1949	-2592.141327	786877.31720520766	39.28312248196959	-100.784545	343993.502836936	434977.250078868	2981.71026102599	2899.38936374667	2833.52086517482	2833.52086517482	2833.52086517482	65.6047919
560	1950	-2020.141327	786877.31720520766	39.2831225085852	-100.8055109	344191.207597211	434975.250710905	2981.71026102599	2899.38936374667	2833.52086517482	2833.52086517482	2833.52086517482	63.2915276923404
561	1951	-1341.141327	786877.31720520766	39.2831226056953	-100.8041803	344392.2267443256	434974.251529788	2976.00281248988	2895.1360647312988	2828.1206940973474	2828.1206940973474	2828.1206940973474	73.74698325581381
562	1952	-681.1413269	786877.31720520766	39.2831226988271	-100.8018497	344593.2552077203	434973.25253085	2975.1974962487781	2893.681292109936	2821.081141	2817.30060892238	2817.30060892238	76.3752851769764
563	1953	-281.14132693	786877.31720520766	39.28312271378015	-100.7995191	344794.2783	434973.253728848	2972.25837573035	2892.2156209697987	2815.954011339014	2816.775477876586	2816.775477876586	73.44014309
564	1954	328.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	73.9812907682926
565	1955	1298.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	72.241873855581
566	1956	2198.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	70.94037092947
567	1957	3098.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	69.5926152765252
568	1958	3998.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	68.0059617648846
569	1959	4898.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	66.59956176748846
570	1960	5798.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	65.19429134075755
571	1961	6698.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	63.913147485554
572	1962	7598.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	62.7210639352
573	1963	8498.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	61.53143402556
574	1964	9398.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	60.3489605060224
575	1965	10298.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	59.15924054377
576	1966	11198.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	57.9683218172
577	1967	12098.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	56.778519708
578	1968	12998.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	55.58413919708
579	1969	13898.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	54.3915276923404
580	1970	14798.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	53.2007614855781
581	1971	15698.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	52.01343402556
582	1972	16598.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	50.824913477
583	1973	17498.8586730733514	786877.31720520766	39.28312269712816	-100.7971884	344995.3051915806	434975.2510899	2970.857847	2890.73475919407	2815.74549424218	2816.754525494218	2816.754525494218	49.6352357343713
584	1974												

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BRIELogKrg.f	BRIEBothKrg.f	SatHLogKrg.f	SatHBothKrg.f	
653	129	95383	65978.85867307335	786787.3170250766	39.2828977649936	-00.5664575	648696.119200422	3439430.316029262	281.241950373566	2715.739423489823	2665.3417537808365	2665.4442454209416	50.41888524055639	50.292177627981346
654	129	95384	66938.85867307335	786787.3170250766	39.2828934115698	-00.5641269	365097.1306840964	349336.33667338	2629.8135463872663	2714.264471628411	2666.55873510655	2667.025040593724	47.6853611784581	47.15226523468709
655	129	95385	67288.85867307335	786787.3170250766	39.28289697362167	-00.5617963	365298.1423386413	349332.356	2685.268142240966	2712.767463823334	2669.435529185434	2669.435529185434	43.32279448540319	43.32279448540319
656	129	95386	67658.85867307335	786787.3170250766	39.28289406055334	-00.5594567	365499.1530627614	349226.7617801805	2626.956738421666	2711.2740045501263	2667.70312624384	2667.70312624384	39.72107267763149	39.72107267763149
657	129	95387	68618.85867307335	786787.3170250766	39.28287940267069	-00.5571351	365700.1643571452	349237.392728532	2824.170156	2709.790092398678	2664.730369633623	2665.278344382196	45.05997276655085	45.05997276655085
658	129	95388	69278.85867307335	786787.3170250766	39.2828749696677	-00.5548045	365901.17532302137	349320.418	2820.02534326276	2708.3066615119474	2659.0967114597384	2659.0967114597384	46.95094614263956	46.95094614263956
659	129	95389	69958.85867307335	786787.3170250766	39.28287686164647	-00.5524739	366102.18611597746	349316.404094591	2815.880346740337	2706.825927373696	2654.764573877523	2655.02616464914	52.0613488598177	51.79975802545704
660	129	95390	70598.85867307335	786787.3170250766	39.28286518606924	-00.5501433	366303.1966640574	349312.460204355	2811.735874095447	2705.347702242151	2651.679363922135	2651.679363922135	53.66772593937626	53.66772593937626
671	129	95391	71258.85867307335	786787.3170250766	39.28286032054911	-00.5478127	366504.20744116813	349308.36	2868.2058117672075	2703.968156022873	2649.456519693092	2649.456519693092	54.13216710249545	54.13216710249545
672	129	95392	72178.85867307335	786787.3170250766	39.282854574737025	-00.5454821	366705.2178904811	349304.63072123	2799.294460326712	2702.322461116363	2647.73840951007	2647.73840951007	54.9333162738653	54.9333162738653
673	129	95393	72578.85867307335	786787.3170250766	39.28285050937622	-00.5431515	366906.22801707785	349300.524783173	2792.750808911445	2700.914705969246	2646.322948167028	2646.322948167028	54.591757802225954	54.591757802225954
674	129	95394	73238.85867307335	786787.3170250766	39.28284536263504	-00.5408209	367107.238502587	349292.546682177	2785.4597157435655	2694.34786080883	2644.940809732524	2644.940809732524	54.959653630308	54.959653630308
675	129	95395	73898.85867307335	786787.3170250766	39.28284051813272	-00.5384903	367308.284666801	349296.76857266	2801.44001523544	2697.568232955004	2642.931879303086	2642.931879303086	54.2265339242075	54.2265339242075
676	129	95396	74558.85867307335	786787.3170250766	39.2828354496364	-00.5361597	367509.2580259605	349288.59103839	2780.31597946048	2696.477993346313	2639.352235066196	2639.352235066196	51.1257862769353	51.1257862769353
677	129	95397	75128.85867307335	786787.3170250766	39.28283035	-00.5338291	367701.2688114391	349284.61349558	2784.1931943968704	2694.965372621193	2636.319206	2636.319206	52.0681224519345	52.0681224519345
678	129	95398	75678.85867307335	786787.3170250766	39.28282519330737	-00.5314895	367911.278924403	349280.63138739	2778.06790288727	2693.509529973227	2634.6892414472	2634.6892414472	52.820285779558	52.820285779558
679	129	95399	76538.85867307335	786787.3170250766	39.28281999542703	-00.5291678	368112.2875414654	349276.65867831	2776.53827944583	2692.020334148676	2633.905520602193	2633.905520602193	53.919610799595	53.919610799595
680	129	95400	77198.85867307335	786787.3170250766	39.28281475220511	-00.5268373	368313.296728105	349272.61881923	2770.671694375886	2690.528901872827	2632.93184653342	2632.93184653342	54.57973045	54.57973045
681	129	95401	77858.85867307335	786787.3170250766	39.2828094396469	-00.5245067	368514.306272261	349268.70518437	2772.6755479305184	2689.034223040688	2631.5314170996164	2631.5314170996164	55.70500115045234	55.70500115045234
682	129	95402	78518.85867307335	786787.3170250766	39.28280413070671	-00.5221761	368715.254557876	349264.72851447	2767.5445174130386	2687.5445174130386	2629.443296308143	2629.443296308143	56.829320263428	56.829320263428
683	129	95403	79178.85867307335	786787.3170250766	39.28279875240372	-00.5191495	368916.324925033	349260.752144645	2766.930413030759	2686.05588157089	2626.76408164252	2626.76408164252	57.9912799923663	57.9912799923663
684	129	95404	79838.85867307335	786787.3170250766	39.28277633293508	-00.5157185	369177.333412945	349256.7590376	2761.273695245547	2684.56836235006	2626.731379716977	2626.731379716977	58.1304965186203	58.1304965186203
685	129	95405	80538.85867307335	786787.3170250766	39.282768692281	-00.5124885	369429.78692281	349252.78687788	2757.4629120037	2684.59278447008	2627.85220312148	2627.85220312148	59.5840930308	59.5840930308
686	129	95406	81158.85867307335	786787.3170250766	39.2827637442023	-00.5126537	369519.507604075	349248.83379965	2743.87407169531	2681.014042741955	2616.795626115213	2616.795626115213	60.951853557421	60.951853557421
687	129	95407	81818.85867307335	786787.3170250766	39.2827767891405	-00.5105231	369720.359419038	349244.84266383	2740.90315927781	2680.063229266	2613.806628	2613.806628	62.3721285917295	62.3721285917295
688	129	95408	82478.85867307335	786787.3170250766	39.2827711857759	-00.5081925	369921.3673661175	349240.872799732	2737.64796230453	2678.677375148977	2611.526767309112	2611.526767309112	63.1750681096552	63.1750681096552
689	129	95409	83138.85867307335	786787.3170250766	39.28276537390716	-00.5058619	370122.371289675	349236.489	2732.215270235142	2610.35845228621	2610.35845228621	2610.35845228621	64.266945940085	64.266945940085
690	129	95410	83798.85867307335	786787.3170250766	39.282759843937	-00.5035313	370323.3842963161	349232.92363285	2725.1376311042556	2675.739287181139	2610.8617248027813	2610.8617248027813	64.912030738573	64.912030738573
691	129	95411	84498.85867307335	786787.3170250766	39.2827512611124	-00.5011945	370524.392385897	349229.01285987	2723.482197587827	2674.326815627867	2610.8617248027813	2610.8617248027813	65.5840930308	65.5840930308
692	129	95412	85118.85867307335	786787.3170250766	39.2827422126504	-00.4988579	370724.9725678057	349225.107670457	2724.0510458217	2672.95106775713	2610.8617248027813	2610.8617248027813	66.1440949178514	66.1440949178514
693	129	95413	85778.85867307335	786787.3170250766	39.282743036911	-00.4965395	370926.408050442	349220.98102879	2723.43820986147	2671.48732058077	2610.766002806096	2610.766002806096	67.312128269791	67.312128269791
694	129	95414	86438.85867307335	786787.3170250766	39.28273662019356	-00.4942809	371127.4157199683	349217.0237116	2722.3957161506823	2670.802096071284	2610.766002806096	2610.766002806096	68.1440949178514	68.1440949178514
695	129	95415	87098.85867307335	786787.3170250766	39.28273011699554	-00.4918783	371328.4232650693	349213.05	2720.75401307347	2668.68012584077	2610.8617248027813	2610.8617248027813	69.5840930308	69.5840930308
696	129	95416	87758.85867307335	786787.3170250766	39.2827247381834	-00.4894747	371529.430666528	349209.07515365	2714.951631756295	2667.3171281848245	2610.8617248027813	2610.8617248027813	70.954131578941785	70.954131578941785
697	129	95417	88418.85867307335	786787.3170250766	39.28271872568725	-00.4872171	371730.4379646727	349205.101691241	2718.2336413826817	2663.304613826817	2610.8617248027813	2610.8617248027813	72.63523881467199	72.63523881467199
698	129	95418	89078.85867307335	786787.3170250766	39.2827125611124	-00.484885	371931.4451530205	349201.1287788	2717.4629120037	2664.59278447008	2610.8617248027813	2610.8617248027813	73.910754098439	73.910754098439
699	129	95419	89738.85867307335	786787.3170250766	39.2827057745459	-00.4825559	372132.452107708	349197.155	2716.28396255886	2663.265122523024	2610.8617248027813	2610.8617248027813	75.1907926251675	75.1907926251675
700	129	95420	90398.85867307335	786787.3170250766	39.282704336192	-00.4802253	372333.4591392794	349193.181333885	2716.111307540526	2661.9187312028353	2591.20643794908	2591.20643794908	76.780704792721	76.780704792721
701	129	95421	91058.85867307335	786787.3170250766	39.2826944536035	-00.4778947	372534.4655402986	349189.208253071	2716.03829024364	2660.59520137559	2588.76020449674257	2588.76020449674257	77.813315675	77.813315675
702	129	95422	91718.85867307335	786787.3170250766	39.282688011740845	-00.4755641	372735.476282271	349185.2353605	2710.915467139545	2659.278035109537	2586.4056235805	2586.4056235805	78.7897327208656	78.7897327208656
703	129	95423	92378.85867307335	786787.3170250766	39.28268173	-00.4732336	372936.4789189768	349181.262648586	2709.915467139545	2657.965043414966	2584.028671576054	2584.028671576054	79.3232187283235	79.3232187283235
704	129	95424	93038.85867307335	786787.3170250766	39.28267540944802	-00.470983	373137.4856277408	349177.29014233	2715.5643945657624	2656.35067924235	2581.6270688592	2581.6270688592	80.5840930308	80.5840930308
705	129	95425	93698.85867307335	786787.3170250766	39.2826698335927	-00.4684858	373334.527595216	349173.4891488	2714.951631756295	2654.326815627867	2579.85220312148	2579.85220312148	81.7054098439	81.7054098439
706	129	95426	94358.85867307335	786787.3170250766	39.28266276036496	-00.4662418	373539.4891395837	349169.345635912	2713.85274500456	2654.026351	2581.21507909515	2581.21507909515	8	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBothKrg.ft
49	130	95509	-332621.1413	877537.3170250766	39.78989790879717	-101.9974225	241446.65618405168	4352020.74003287	39.31296905808716	3715.8513676495027	3654.2596424698903	3644.04924	61.594205959944	71.8021278682857
50	130	95510	-336601.1413	877537.3170250766	39.7901102603769	-101.9950262	241647.78606592167	4352016.67	39.30123031523367	3713.548690157251	3653.9594452170096	3644.06354034095972	61.59456452125357	71.8021278682857
51	130	95511	-338841.1413	877537.3170250766	39.7903304493465	-101.9938718	241868.916984635	4352012.69997938	39.29144667881565	3711.245437561728	3653.2284908261324	3643.7849179318	61.594707046033	71.8021278682857
52	130	95512	-337281.1413	877537.3170250766	39.79057125426335	-101.9904316	242050.3589473106	4352008.46843474	39.2863589473106	3709.24854291858	3651.918663765458	3643.7156920501	61.594707046033	71.8021278682857
53	130	95513	-336621.1413	877537.3170250766	39.79080017070699	-101.9881012	242251.1741896013	4352004.39667734	39.28221935350554	3706.6040583502635	3650.302993409901	3638.062569875476	61.594707046033	71.8021278682857
54	130	95514	-335611.1413	877537.3170250766	39.79103044912524	-101.9857709	242452.3030519182	4352000.299677037	39.27941445959801	3704.3803468102273	3648.11430491358	3646.038454878794	61.594707046033	71.8021278682857
55	130	95515	-334501.1413	877537.3170250766	39.79125937109214	-101.9834406	242653.4317	4351996.201	39.27635012517778	3703.03067	3643.9742615202678	3646.038454878794	61.594707046033	71.8021278682857
56	130	95516	-333641.1413	877537.3170250766	39.7914872492702	-101.9811103	242854.5600111058	4351952.10568575	39.273369168977	3699.735898984445	3638.9807325601582	3644.821971359463	61.594707046033	71.8021278682857
57	130	95517	-332841.1413	877537.3170250766	39.79171596475875	-101.97878	243055.916984635	4351908.01967604	39.269144667881565	3697.935485522214	3638.9807325601582	3644.821971359463	61.594707046033	71.8021278682857
58	130	95518	-332321.1413	877537.3170250766	39.7919434364575	-101.9764497	243255.159510752	4351883.15467832	39.2663589473106	3695.13771090145	3637.80495865345	3633.591277258143	61.594707046033	71.8021278682857
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86	130	95546	-314841.1413	877537.3170250766	39.7981327059397	-101.9112004	248888.2911204894	4351869.24499474	39.2095475825754	3577.026911657621	3570.142792275344	3556.485478530046	61.594707046033	71.8021278682857
87	130	95547	-314181.1413	877537.3170250766	39.7983472248485	-101.9088701	249089.413660437	4351865.25819971	39.2078107959765	3574.319688372074	3567.754743142256	3556.485478530046	61.594707046033	71.8021278682857
88	130	95548	-313521.1413	877537.3170250766	39.7985612365704	-101.9065397	249290.533607964	4351861.16973161	39.206389324	3572.43269868623	3565.577534	3556.485478530046	61.594707046033	71.8021278682857
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91	130	95551	-311541.1413	877537.3170250766	39.79919178121105	-101.8995658	249893.8048219397	4351849.75101559	39.2012793412134	3565.738794269837	3559.040407158075	3556.485478530046	61.594707046033	71.8021278682857
92	130	95552	-310881.1413	877537.3170250766	39.7994013210238	-101.8972183	250095.0126811253	4351845.81	39.2000179213	3563.9102184966	3557.3307310371823	3553.4711420958	61.594707046033	71.8021278682857
93	130	95553	-310221.1413	877537.3170250766	39.79962488614444	-101.8948879	250296.1317421605	4351840.72854147	39.1981572766384	3562.0039564412				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLgKrg.ft	BREIEvBothKrg.ft	SatElevLg.ft	SatElevBoth.ft
175	196	95635	-25601.1413	877537.3170250766	39.28154622441355	-101.7037941	66678.027562337	4315506.175060992	3998.291329	3499.535871856492	3455.883137142805	3455.426301814833	43.6527371369164	44.10957042019226
176	196	95636	-25541.1413	877537.3170250766	39.28156337026001	-101.7014636	66698.1718047207	4315502.103042534	3996.3504140359836	3498.409323751749	3452.7655235005406	3452.6933429612772	45.6527999440846	45.71959642387532
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178	196	95638	-25441.1413	877537.3170250766	39.28159843	-101.6969827	66730.369059973138	4315486.659759196	3992.468545670091	3496.2015089065051	3445.24755402351966	3444.592324251966	50.95392326537875	51.60916455456292
179	196	95639	-25346.1413	877537.3170250766	39.28161573765406	-101.6944723	66759.84188731	4315489.888131401	3991.0661092946656	3495.120974226672	3441.738048146373	3441.06202865186	53.3841961203468	53.91489136148584
180	196	95640	-25280.1413	877537.3170250766	39.281633043034024	-101.6921418	66772.5664707715	4315485.8167848515	3990.2505601911	3494.0580223198613	3438.255923	3437.5107022835	55.8020949	56.54658237026246
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209	196	95669	-23366.1413	877537.3170250766	39.2821141298796	-101.6245878	67364.3189670178	4315367.33155394	3980.12102913438	3459.0233359758	3395.6006064818945	3375.1599162530297	63.40268439821304	83.8430168057267
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211	196	95671	-23234.1413	877537.3170250766	39.28214955170496	-101.619868	67406.0581459487	4315359.702204055	3980.167182191946	3457.1529147643987	3393.786288985473	3384.46438	61.366255959234	72.68852594745874
212	196	95672	-23168.1413	877537.3170250766	39.28216714	-101.6175653	67427.2592992752	4315355.67067403	3980.776805132728	3456.259380647985	3396.038752768013	3388.582637397313	60.18062783997204	69.63671991006721
213	196	95673	-23102.1413	877537.3170250766	39.28217712103046	-101.6152358	67442.6838	4315351.075208752	3980.7277683470	3455.2777683470	3396.153934820846	3388.1541761929493	67.12359216441256	
214	196	95674	-23036.1413	877537.3170250766	39.28219325647781	-101.6129053	67462.7440050064	4315347.507209294	3982.94729603429	3454.327951737645	3396.564105091943	3389.27644293936	76.76379123570268	65.0514575
215	196	95675	-22970.1413	877537.3170250766	39.28220984677687	-101.6105748	67483.8648174555	4315343.424899243	3982.917864089014	3453.3702889262194	3396.795067135575	3387.5114890271627	66.75379123570268	63.21918880061776
216	196	95676	-22904.1413	877537.3170250766	39.2822245041564	-101.6082437	67504.31505012451	4315339.27027128	3982.376430103067	3452.40605531255	3396.97628458467	3389.804242961422	65.4283177	62.6017576917337
217	196	95677	-22838.1413	877537.3170250766	39.28224091929717	-101.6059187	67525.1679297677	4315335.1679297677	3982.16279646	3451.9648537	3394.82970760402	3389.642573747628	67.9425737047628	69.9425737047628
218	196	95678	-22772.1413	877537.3170250766	39.28225547572697	-101.603583	67543.134761533	4315331.25021256	3981.871216719496	3450.470918	3394.9738115062678	3391.58550051897	63.5010604717242	58.8913730534313
219	196	95679	-22706.1413	877537.3170250766	39.28227125774738	-101.6012528	67563.224565819	4315327.186178455	3980.62974048075	3449.5189835180286	3394.4528061649944	3392.45994404058	62.06608735303416	57.0588907520044
220	196	95680	-22640.1413	8										

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRELEVLogKrg.f	BRELEVLogKrg.f	SatHLogKrg.f	SatHLogKrg.f	
300	130	95761	-172941.1413	877537.3170250766	39.283389907727106	-01.40101481	292123.8315065296	4359094.959678079	3478.453929839955	3328.139576	3303.8926580623174	3319.552662516742	34.268917593722596	8.586913099297817
302	130	95762	-172281.1413	877537.3170250766	39.28340168162215	-01.40781719	292324.90336274008	4359090.548674364	3476.719395334713	3326.397223513027	3309.9264670444627	3329.563803772936	34.27076426664073	8.714125235371899
303	130	95763	-171621.1413	877537.3170250766	39.28346268410045	-01.40564699	292456.9780146362	4359086.5007364936	3478.1563656581973	3324.864082158183	3309.5082396480303	3316.881938138503	35.15306926950306	7.974452496739
304	130	95764	-170961.1413	877537.3170250766	39.283420594361185	-01.40315563	292727.0464264198	4359082.4530161698	3478.3319502911966	3329.0591447841707	3314.068239177936	3314.068239177936	34.85405051502873	8.845711151293017
306	130	95765	-170301.1413	877537.3170250766	39.28343673320513	-01.4008257	292928.1177063202	4359078.405672921	3472.369674982167	3321.166380629189	3306.9284418759844	3311.0796517336403	24.23786675	10.08656895548913
306	130	95766	-169641.1413	877537.3170250766	39.283448327032005	-01.3984952	293129.1887464833	4359074.355162202	3470.976874645276	3319.410170791857	3305.6851382530685	3308.264158	23.72497253	11.14593167729236
307	130	95767	-168981.1413	877537.3170250766	39.283435988	-01.3961646	293330.2556831676	4359070.31100643	3468.275483453035	3317.642748389827	3304.370642420249	3305.967574559398	22.33341681873393	11.67169937672936
308	130	95768	-168321.1413	877537.3170250766	39.28347173963449	-01.393834	293331.3203166534	4359066.24038994	3464.265983139953	3315.613620016667	3329.87545138024	3309.52059652892	22.38381666342915	12.34038637677489
309	130	95769	-167661.1413	877537.3170250766	39.283493681610045	-01.3918034	293732.4006469805	4359062.17265565	3469.256597894691	3314.867964630706	3329.66472946398	3316.881938138503	22.40311701701837	12.78476314037762
310	130	95770	-167001.1413	877537.3170250766	39.28349425216841	-01.3891728	293333.4074730073	4359058.170674707	3456.274027250248	3312.260158335157	3329.664545778926	3309.965760879031	21.595525054568	12.86443174561284
311	130	95771	-166341.1413	877537.3170250766	39.2835050090615	-01.3868422	294134.54089950474	4359054.12276016	3455.05706928045	3328.667774638663	3297.86844788026	3312.762307945222	12.5675750973889	
312	130	95772	-165681.1413	877537.3170250766	39.28351694643362	-01.3845116	294335.6701	4359050.07066581	3443.186508305735	3308.594309397924	3326.626549650314	3295.366540119956	21.967489747610216	13.22750389292453
313	130	95773	-165021.1413	877537.3170250766	39.28352822	-01.3821811	294536.68034137634	4359046.032046396	3438.8161041337407	3306.7330346567446	3284.342014420775	3293.186689773959	24.327299359679	13.54634488278534
314	130	95774	-164361.1413	877537.3170250766	39.28353945702993	-01.3798505	294737.74975955034	4359041.962125454	3428.4456277609043	3304.852194831465	3282.3061505452429	3282.3061505452429	25.24618694071369	14.26489037329986
315	130	95775	-163701.1413	877537.3170250766	39.283550645702185	-01.3775199	294938.81878974536	4359037.9408573445	3423.083427336043	3302.960449458187	3279.7387794581738	3282.2724448166055	23.21165463794652	15.67805009921176
316	130	95776	-163041.1413	877537.3170250766	39.2835617935719	-01.375183	295139.8878991666	4359033.895112126	3419.729484902048	3301.023005723965	3277.121280457096	3284.631254085493	23.908021153299	16.38904648807286
317	130	95777	-162381.1413	877537.3170250766	39.28357288794985	-01.3728587	295340.956802395	4359029.84989004	3416.735544807804	3299.086203712583	3274.12177924989	3281.219337749888	24.96424464533962	16.86659653170422
318	130	95778	-161721.1413	877537.3170250766	39.28358346115206	-01.3705281	295542.0254147153	4359025.804783952	3413.0216120540756	3297.125116305355	3272.173792472191	3282.3061605581	24.96424464533962	15.8209672395459
319	130	95779	-161061.1413	877537.3170250766	39.2835946021821	-01.3681975	295743.093824622	4359021.759899107	3411.5352743409794	3295.1363107841507	3269.832687	3280.185963900246	25.30362410790076	15.1177414626155
320	130	95780	-160401.1413	877537.3170250766	39.2836059138033	-01.3658669	295944.1602533805	4359015.712503457	3403.9156333811	3293.131718	3267.3980997503218	3279.97540134267	25.3163587304826	13.156316901002874
321	130	95781	-159741.1413	877537.3170250766	39.283618373207261	-01.3636393	296145.2300446752	4359013.67099994	3412.297796335696	3321.78793635968	3264.776203363188	3277.98953398046	26.331630111850245	13.308877048422346
322	130	95782	-159081.1413	877537.3170250766	39.28362710592291	-01.3612057	296347.75952355245	4359009.626799913	3412.67905334496	3289.061227609713	3262.4447101152872	3273.965002316677	26.50216468905047	15.095227993035087
323	130	95783	-158421.1413	877537.3170250766	39.28363752407985	-01.358773	296547.526621262	4359005.25735921	3408.61963778703	3259.82168270873	3264.815243071145	3269.93492489512	26.7302162489512	15.654737538272
324	130	95784	-157761.1413	877537.3170250766	39.28364931772234	-01.3565445	296746.4328078145	4359001.5383126603	3410.90491	3284.90212562577	3258.58211735029	3267.86439272869	26.32001215745780	17.0565371690777
325	130	95785	-157101.1413	877537.3170250766	39.28366005647069	-01.354214	296949.5809707256	4358997.445069725	3408.91676588824	3282.794611795625	3256.534534857768	3263.068500438298	26.26027309842627	17.27361130172845
326	130	95786	-156441.1413	877537.3170250766	39.2836704995165	-01.3518834	297150.567089801	4358993.451022355	3408.28895988027	3280.670043257326	3256.061131660422	3261.259725893245	26.60891159683434	19.41031736350214
327	130	95787	-155781.1413	877537.3170250766	39.28368138415105	-01.3495528	297351.6339884366	4358989.4607630741	3407.427879110555	3278.925094597958	3253.1119658822604	3259.354573868724	25.41107891	19.17448234128551
328	130	95788	-155121.1413	877537.3170250766	39.2836920186105	-01.3472222	297552.7005950178	4358985.346843825	3407.014643023572	3276.371832980605	3251.27410302091	3257.500693244986	25.098080889596	18.87149053164507
329	130	95789	-154461.1413	877537.3170250766	39.283703287985	-01.3448616	297753.7686212074	4358981.92165146	3406.81963778703	3259.82168270873	3264.815243071145	3269.93492489512	26.7302162489512	15.654737538272
330	130	95790	-153801.1413	877537.3170250766	39.28371325730963	-01.3425221	297937.831125737	4358977.278851033	3406.181784056193	3277.013642931033	3267.86439272869	3253.91707771493	26.7302162489512	15.654737538272
331	130	95791	-153141.1413	877537.3170250766	39.2837234209858	-01.3402304	298155.8990484165	4358973.236034017	3405.91169112566	3269.81488135666	3254.9665991442055	3264.85486386659	27.6238991460624	22.59499977
332	130	95792	-152481.1413	877537.3170250766	39.28373396547414	-01.3378998	298365.96406349196	4358968.193080117	3406.351841213051	3267.602574824205	3244.13223114524	3262.30617806085	24.7924870972656	22.59499977
333	130	95793	-151821.1413	877537.3170250766	39.283744383207	-01.3355692	298559.036820549	4358965.15373131	3406.598383484447	3265.375788371787	3242.731435623014	3248.985493829363	22.6460321387732	16.38203489115762
334	130	95794	-151161.1413	877537.3170250766	39.283754677172354	-01.3332386	298759.096102019	4358961.19323695	3406.8451157582495	3263.14093834139	3241.025562840638	3247.154200072325	25.1143354930077	15.62799826
335	130	95795	-150501.1413	877537.3170250766	39.28376495649495	-01.330908	298960.16123416648	4358957.66746495	3406.582545635834	3262.082209180404	3238.491667540838	3245.9248684414942	21.4003471427052	15.55774376546131
336	130	95796	-149841.1413	877537.3170250766	39.2837752407985	-01.328673	299167.85786279	4358953.02753921	3406.42796378703	3259.82168270873	3264.815243071145	3269.93492489512	26.7302162489512	15.654737538272
337	130	95797	-149181.1413	877537.3170250766	39.2837854078074	-01.3262467	299362.2911759407	4358949.383414889	3405.038804217176	3256.362732142981	3241.025562840638	3247.154200072325	25.1143354930077	15.55774376546131
338	130	95798	-148521.1413	877537.3170250766	39.28379550356495	-01.3239161	299563.558006195	4358944.93023444	3404.269631258444	3254.080379417667	3235.447161780985	3240.2482334492304	25.68326225	13.8321435926334
339	130	95799	-147861.1413	877537.3170250766	39.2838056686022	-01.3215855	299764.4200231676	4358940.002	3402.968097	3233.5725937632474	3238.82991431123	3242.05456850253	18.12405954680253	11.9036977976275
340	130	95800	-147201.1413	877537.3170250766	39.2838157184215	-01.3192549	299965.844754589	4358936.861007693	3401.142269901163	3249.480916740625	3231.5718252293236	3238.4706641455545	17.9097664473899	11.01024018517697
341	130	95801	-146541.1413	877537.3170250766	39.28382575	-01.3169243	300166.5485148834	4358932.820283373	3399.31636099133	3247.16271032167	3229.435977310207	3227.2645022698986	17.27361130172845	9.98818824246823
342	130	95802	-145881.1413	877537.3170250766	39.2838357235664	-01.3145837	300367.6125907414	4358928.79748077	3398.40949055316	3244.831027103202	3226.576702243588	3226.576702243588	18.15507386064776	9.15378672619895
343	130	95803	-145221.1413	877537.3170250766	39.2838457143715	-01.3122874	300567.854768051	4358924.38259816	3397.51963778703	3242.815243071145	3269.93492489512	3269.93492489512	26.7302162489512	15.654737538272
344	130	95804	-144561.1413	877537.3170250766	39.2838553549981	-01.3099325	300769.7398411077	4358920.609	3397.870259644379	3240.132292123034	3241.74454855982	3229.75064402509	18.65077563219	10.38281196744299
345	130	95805	-143901.1413	877537.3170250766	39.28386537244614	-01.3								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SurfElevBothKrg.ft	
427	130	95887	-89781.14133	877537.3170250766	39.28451890321633	-101.1164901	317457.343063099	4350486.024299044	3228.1154839914007	3041.1028491701742	2996.13129983338	2995.396239445399	44.57159868404054	45.70661025634308
428	130	95888	-89721.14133	877537.3170250766	39.28452500421376	-101.1141594	317658.3911905646	4350481.999995182	3222.129035128557	3049.4159817637614	2992.917185843075	2992.0461792479664	46.4447989435816114	47.3698433376001
429	130	95889	-88641.14133	877537.3170250766	39.28453108140726	-101.1116388	317659.43872686127	4350477.978705661	3216.1425863661734	3037.75326220770203	2989.7451967201344	2989.020430770203	48.0084618344447	48.7453158275833
430	130	95890	-87801.14133	877537.3170250766	39.284537072974025	-101.1094981	318060.486110258	4350473.999995182	3210.1561740381096	3036.11708361096	2986.5811287160045	2985.734671934785	49.5335821200907	50.38040022225595
431	130	95891	-87141.14133	877537.3170250766	39.28454039952162	-101.1071674	318261.533300333	4350469.999995182	3206.2314537651585	3034.4987937796027	2983.4509016495076	2982.323025739445	51.04789213009508	52.1658912065623
432	130	95892	-86481.14133	877537.3170250766	39.28454108105008	-101.1048368	318462.580317816	4350465.90463928	3204.373611351	3032.904739	2980.259729001167	2978.834311778794	52.64059017522794	54.06992473989567
433	130	95893	-85821.14133	877537.3170250766	39.2845483755931	-101.1020561	318663.6271549737	4350461.881272731	3200.654107694003	3031.328878	2977.0010803314764	2975.191061817932	54.32770162313704	56.13718676127406
434	130	95894	-85161.14133	877537.3170250766	39.2845606904937	-101.1001755	318864.67381467856	4350457.858904023	3200.62545527426	3029.7704704527337	2973.6916614566033	2971.4454301643705	56.7080895713015	58.32504209
435	130	95895	-84501.14133	877537.3170250766	39.2845665552021	-101.097846	319065.7202971532	4350453.83103816	3198.591571225242	3028.700108578967	2970.388647472228	2968.920634657324	57.840261107222478	59.1304611581828
436	130	95896	-83841.14133	877537.3170250766	39.28457219697184	-101.0955142	319265.769025454	4350448.812301482	3196.325163035428	3026.70129434538	2967.025282476197	2964.7930715721504	58.9164507763726	61.91550509188393
437	130	95897	-83181.14133	877537.3170250766	39.284577893404276	-101.0931835	319467.81723112464	4350445.79	3194.0587548416624	3025.204547272004	2963.5409200508575	2961.663026610651	62.62082002244685	64.26208020244685
438	130	95898	-82521.14133	877537.3170250766	39.28458344817444	-101.0908529	319668.856830634	4350441.767262017	3191.792346648707	3023.720542421327	2959.30040470607	2956.258940324297	63.42107193463002	67.46102321694012
439	130	95899	-81861.14133	877537.3170250766	39.28459151211385	-101.0885222	319869.904585838	4350437.9502617	3191.4830197569777	3022.2530700497045	2954.3382117042946	2951.183540650633	64.6148597540997	71.06921544410125
440	130	95900	-81201.14133	877537.3170250766	39.284594712586056	-101.0861916	320070.950576769	4350433.722975571	3193.1307147629785	3020.826995573472	2949.299726917914	2947.531621671474	71.5020868475063	73.2710392193011
441	130	95901	-80541.14133	877537.3170250766	39.28460022894146	-101.0838089	320271.9958411536	4350429.701174707	3194.778526895979	3019.399898827414	2945.49514293255	2943.94619676688	73.4784690954941	75.89737561
442	130	95902	-79881.14133	877537.3170250766	39.28460572207759	-101.0813502	320473.4072851467	4350425.67940273	3196.425262974938	3017.955615430705	2942.58897410617	2940.503412091547	75.3668613209049	78.45162051445277
443	130	95903	-79221.14133	877537.3170250766	39.2846111265944	-101.0791996	320674.08580047055	4350421.65767564	3198.497585145135	3016.560055066291	2938.26497469585	2936.431292525946	80.3054715960558	86.11692881
444	130	95904	-78561.14133	877537.3170250766	39.28461165	-101.0768689	320875.130669929	4350417.636661467	3200.9245540535	3015.1846403046623	2932.356547802372	2930.313438139528	82.7817031513639	89.00000000000000
445	130	95905	-77901.14133	877537.3170250766	39.284621844170225	-101.0745383	321076.1754181776	4350413.615553473	3203.48728499339	3013.816283928225	2930.5526597546937	2928.185724284966	83.2789668312886	94.76459041078286
446	130	95906	-77241.14133	877537.3170250766	39.28462713429414	-101.0720276	321277.219064347	4350409.949363679	3205.98214322282	3012.5017398932545	2930.7396119555656	2928.7396119555656	91.6148597540997	94.76459041078286
447	130	95907	-76581.14133	877537.3170250766	39.28463281668736	-101.069877	321478.26438391446	4350405.573902074	3206.305732718914	3011.1953010719723	2931.125505457126	2929.3562616329864	93.0017851	97.56752374327607
448	130	95908	-75921.14133	877537.3170250766	39.2846375628898	-101.0674943	321679.30532054	4350401.553	3204.612801921566	3009.911053018075	2930.674540459077	2928.7396119555656	97.2364912	97.56752374327607
449	130	95909	-75261.14133	877537.3170250766	39.2846427308892	-101.065167	321879.36255318	4350397.330303937	3203.4312805318	3008.7342494985	2931.125505457126	2929.3562616329864	97.2364912	97.56752374327607
450	130	95910	-74601.14133	877537.3170250766	39.28464785027141	-101.06285	322081.3940350525	4350393.51	3202.1237013087152	3007.405919852544	2933.759774	2928.93567377085	97.2364912	97.56752374327607
451	130	95911	-73941.14133	877537.3170250766	39.28465291643361	-101.060543	322282.4047070325	4350389.42857384	3200.95923460803	3006.18640224102	2933.787598	2928.93567377085	97.2364912	97.56752374327607
452	130	95912	-73281.14133	877537.3170250766	39.28465794	-101.0582237	322483.48375634	4350385.47306661	3200.95923460803	3004.9831047997204	2934.121652488854	2931.94047054466	97.2364912	97.56752374327607
453	130	95913	-72621.14133	877537.3170250766	39.28466291369905	-101.055883	322684.526059684	4350381.63430955	3200.95923460803	3003.78737168881	2935.1242396116772	2931.94047054466	97.2364912	97.56752374327607
454	130	95914	-71961.14133	877537.3170250766	39.28466744803835	-101.0535623	322885.5705093952	4350377.344094453	3200.95923460803	3002.560477225817	2936.350477220295	2934.121652488854	97.2364912	97.56752374327607
455	130	95915	-71301.14133	877537.3170250766	39.2846727308892	-101.0512317	323086.6130389677	4350373.14829355	3200.95923460803	3001.3448431462711	2937.24178424733	2936.350477220295	97.2364912	97.56752374327607
456	130	95916	-70641.14133	877537.3170250766	39.28467757953615	-101.048917	323287.6549317555	4350369.3587784	3200.95923460803	3000.1780774271041	2938.510477220295	2937.24178424733	97.2364912	97.56752374327607
457	130	95917	-69981.14133	877537.3170250766	39.284682769939	-101.0465704	323488.69842422	4350365.73634365	3200.95923460803	2998.9787881137804	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
458	130	95918	-69321.14133	877537.3170250766	39.28468711902572	-101.0442397	323689.7400447639	4350361.358272753	3200.95923460803	2997.842015099217	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
459	130	95919	-68661.14133	877537.3170250766	39.28469182503493	-101.041909	323890.783374118	4350357.33976605	3200.95923460803	2996.73060555894	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
460	130	95920	-68001.14133	877537.3170250766	39.284696486022334	-101.0395784	324091.8245525993	4350353.3210714515	3200.95923460803	2995.63090272613	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
461	130	95921	-67341.14133	877537.3170250766	39.2847011	-101.0372477	324292.867398677	4350349.34012903	3200.95923460803	2994.63487861367	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
462	130	95922	-66681.14133	877537.3170250766	39.2847057293878	-101.034917	324493.9037128239	4350345.38503115	3200.95923460803	2993.5341282299	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
463	130	95923	-66021.14133	877537.3170250766	39.2847102	-101.0325864	324694.950775719	4350341.288	3200.95923460803	2992.465149672906	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
464	130	95924	-65361.14133	877537.3170250766	39.2847146797734	-101.0302557	324895.9920701563	4350337.250247835	3200.95923460803	2991.729663565434	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
465	130	95925	-64701.14133	877537.3170250766	39.28471911566735	-101.027925	325097.035	4350329.23202238	3200.95923460803	2990.825189494242	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
466	130	95926	-64041.14133	877537.3170250766	39.2847230553787	-101.0255944	325298.07455681614	4350329.251744676	3200.95923460803	2989.950789374226	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
467	130	95927	-63381.14133	877537.3170250766	39.2847276833889	-101.0232637	325499.1154750581	4350325.19751411	3200.95923460803	2989.05689593287	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
468	130	95928	-62721.14133	877537.3170250766	39.28473215323028	-101.0209331	325700.1562	4350321.1302366	3200.95923460803	2988.289590897567	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
469	130	95929	-62061.14133	877537.3170250766	39.2847367807727	-101.0186137	325901.2562	4350317.18996406	3200.95923460803	2987.4184242142823	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
470	130	95930	-61401.14133	877537.3170250766	39.2847406192476	-101.0162717	326102.1237207996	4350313.148994064	3200.95923460803	2986.557456722065	2939.26121680595	2938.510477220295	97.2364912	97.56752374327607
471	130	95931	-60741.14133	877537.3170250766	39.2847447859768	-101.0139411	326303.2774475868	4350309.133	3200.95923460803	2985.600999111468	2939.26121680595	2938.5104		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatThLoG.f	SatThBot.f
533	150	96013	-6621.141327	877537.3170250766	38.284933176877495	-100.8228258	342788.0186349652	3449890.441885541	2988.0551755220104	2950.750016713005	2851.121755572043	54.62826114096197	54.62832632887751
534	150	96014	-6601.141327	877537.3170250766	38.28493306000873	-100.8245352	342989.054883773	3449976.441242409	2988.055098606206	2904.420463209876	2849.426537477566	54.2949523519201	54.2949523519201
535	150	96015	-6581.141327	877537.3170250766	38.28493309912005	-100.8181645	343190.271891384	3449976.441242409	2988.055098606206	2904.420463209876	2849.426537477566	54.2949523519201	54.2949523519201
536	150	96016	-6461.141327	877537.3170250766	38.284934329211545	-100.8185338	343391.09873744275	3449968.440518015	2987.0613901806334	2901.7160341609183	2844.011994136782	57.67400402	59.90218663434507
537	150	96017	-3961.141327	877537.3170250766	38.28493462328305	-100.8135031	343592.1253350684	3449964.404347627	2987.0564147650693	2900.304283871615	2846.062009985702	62.6782740010938	62.014041444822
538	150	96018	-3321.141327	877537.3170250766	38.28493487233467	-100.8117124	343793.1517375007	3449960.40452706	2986.308916232776	2898.485499017924	2835.437598548692	64.535891353100154	64.53589176182244
539	150	96019	-2661.141327	877537.3170250766	38.28493507366395	-100.8088418	343994.1774691793	3449964.403852425	2985.140785373409	2987.540853569918	2831.0298483158003	65.611005254171	67.12738006595921
540	150	96020	-2001.141327	877537.3170250766	38.28493525378164	-100.8065111	344195.2034102796	3449952.441316421	2984.102501059703	2896.1157835935105	2826.7214905431827	69.32002134496634	69.32002134496634
541	150	96021	-1341.141327	877537.3170250766	38.28493549377004	-100.8041804	344396.229199124	3449948.441884139	2983.514200474531	2894.8801797619156	2823.5227725175979	71.13132368	71.13132368
542	150	96022	-811.1413269	877537.3170250766	38.2849354183401	-100.8018497	344597.2548	3449944.44	2980.73458843023	2893.22920224646	2821.19032306519	72.0386782094552	71.7312120352089
543	150	96023	-211.14132693	877537.3170250766	38.28493544229404	-100.79959191	344784.2803	3449948.44381257	2978.156076071465	2891.764876898912	2819.6368015188883	72.12384680973871	71.3686178002376
544	150	96024	338.85867303514	877537.3170250766	38.28493541222618	-100.7971884	344999.506605137	3449936.445110642	2976.5122443596495	2890.287391	2818.8622174665303	71.9404641377294	70.58274424300568
545	150	96025	1298.85867303514	877537.3170250766	38.2849353551364	-100.7948577	345200.3306457926	3449932.42	2974.62747898869	2888.796747898869	2818.7524764965303	71.9404641377294	70.58274424300568
546	150	96026	1958.85867303514	877537.3170250766	38.28493524403071	-100.792527	345401.355808791	3449928.44131013	2972.4221741301397	2887.292564744383	2819.1306865245386	71.9404641377294	70.58274424300568
547	150	96027	2618.85867303514	877537.3170250766	38.284935967903115	-100.7901963	345602.3808	3449924.449821983	2970.271757897951	2885.77274018796	2819.95767462537	72.0298271769395	71.6891593258077
548	150	96028	3278.85867303514	877537.3170250766	38.28493486755588	-100.787857	345803.405506618	3449920.451900131	2968.259137941738	2882.1064552574	2822.01604552574	72.4997376949414	72.4997376949414
549	150	96029	3938.85867303514	877537.3170250766	38.2849345058815	-100.785535	346004.0308577137	3449916.454	2968.560503169308	2882.8815402376088	2824.8239790341377	75.852125934719	75.2762075564009
550	150	96030	4598.8586730351	877537.3170250766	38.28493435	-100.7832043	346205.445213007	3449912.456417928	2968.82487580698	2881.105752001855	2828.693004	78.2957970491437	75.12740546272116
551	150	96031	5258.8586730351	877537.3170250766	38.28493401319354	-100.7808736	346406.478807453	3449908.45867562	2968.43343504323	2879.510292977272	2829.41172530073	80.363076850364	75.0086767648898
552	150	96032	5918.8586730351	877537.3170250766	38.284933361966375	-100.778543	346607.5024443447	3449904.414884339	2966.136176796457	2877.8900111075	2822.1537423232195	82.6220565858684	75.3627526
553	150	96033	6738.8586730351	877537.3170250766	38.28493321	-100.7762123	346808.529234885	3449946.454982515	2968.3392058095	2876.242842437837	2801.3680504511003	83.997331075988	85.4743239863138
554	150	96034	7238.8586730351	877537.3170250766	38.28493327	-100.7738816	347098.550771703	3449986.48	2968.291674420734	2874.56333050585	2802.556410886734	86.27120986178156	86.27120986178156
555	150	96035	7698.8586730351	877537.3170250766	38.2849331616542	-100.7715698	347398.6194816	3449986.48	2968.291674420734	2874.56333050585	2802.556410886734	87.158217	87.158217
556	150	96036	8558.8586730351	877537.3170250766	38.28493166	-100.7692202	347411.59800474	3449984.47462718	2962.03270251649	2871.028634160187	2795.819440370398	89.2510934562075	85.7849444311673
557	150	96037	9218.8586730351	877537.3170250766	38.28493100553189	-100.7668896	347612.6139849126	3449984.47125087	2960.090740382267	2793.804363673843	2792.494590548574	91.25949376438356	76.64912358
558	150	96038	9878.8586730351	877537.3170250766	38.2849303918528	-100.7645589	347813.6446	3449980.481975505	2955.04813370275	2867.087917607625	2792.266380805631	93.7891362013881	74.8216028019943
559	150	96039	10538.8586730351	877537.3170250766	38.28492971827184	-100.7622822	348014.673771361	3449876.480011906	2950.79656730938	2865.0274897818774	2790.5541629790054	95.289496999929	76.0283573121219
560	150	96040	11198.8586730351	877537.3170250766	38.28492896143233	-100.7598975	348215.69069470046	3449872.49	2946.07551588271	2862.925137537703	2788.921020257928	97.0033946017124	74.53616905
561	150	96041	11858.8586730351	877537.3170250766	38.28492816	-100.7575688	348416.1734862958	3449876.48	2941.54436137632	2860.763251729768	2787.92298634683	97.158217	97.158217
562	150	96042	12518.8586730351	877537.3170250766	38.2849273	-100.7552734	348616.735458497	3449876.48	2939.6187091888	2858.101780188	2785.105720178013	99.455491	97.158217
563	150	96043	13178.8586730351	877537.3170250766	38.28492646715366	-100.7529055	348818.756654514	3449860.504207955	2933.9265119517255	2857.77759169957	2782.799542403303	101.78800216766544	73.5996278414989
564	150	96044	13838.8586730351	877537.3170250766	38.2849254568764	-100.7505748	349018.701274197	3449856.50899793	2932.265868541724	2854.1128838370564	2780.122331033972	103.958589372663	73.784528038017
565	150	96045	14488.8586730351	877537.3170250766	38.284925479201736	-100.7482441	349220.0324381776	3449852.51458664	2932.0160061116652	2851.406997592735	2779.589058460635	105.789502595385	74.2084393130996
566	150	96046	15158.8586730351	877537.3170250766	38.284923567695934	-100.7459135	349421.825313917	3449848.52	2931.952463179619	2849.8839473208	2776.323994873026	107.31999983143681	73.91842451683796
567	150	96047	15818.8586730351	877537.3170250766	38.2849225117035	-100.7435828	349624.8927735052	3449844.52633747	2929.161893405895	2847.08710382628	2776.264446	109.6226653576238	73.8687178404113
568	150	96048	16478.8586730351	877537.3170250766	38.28492140962406	-100.7412521	349840.53075402	3449840.53075402	2927.4124002451	2847.15533750472	2774.1402179431	112.1307126711	73.8687178404113
569	150	96049	17138.8586730351	877537.3170250766	38.2849203505858	-100.7389214	350024.8907484758	3449836.53662317	2924.58926863383	2846.779173458463	2773.791793474583	114.635579901	73.8687178404113
570	150	96050	17798.8586730351	877537.3170250766	38.28491907147319	-100.7365908	350225.912235284	3449832.5459221	2921.771353246197	2839.769118222474	2775.585735201253	116.8334478012215	73.92698273770064
571	150	96051	18458.8586730351	877537.3170250766	38.28491784867926	-100.7342601	350426.9336793846	3449828.5476031	2920.6668144849	2837.7378878873	2772.659375666074	118.641422279053	55.6118096
572	150	96052	19118.8586730351	877537.3170250766	38.28491655324776	-100.7319294	350627.95477351686	3449824.55504601	2921.278230348894	2834.74588695316	2770.12394376487	120.00216030042	55.6118096
573	150	96053	19778.8586730351	877537.3170250766	38.2849152569797	-100.7295987	350829.8798252256	3449820.592159782	2921.877864212895	2832.214431	2768.00349332598	122.00216030042	55.6118096
574	150	96054	20438.8586730351	877537.3170250766	38.28491385453482	-100.7272881	351029.963732708	3449816.59001599	2922.4874603507796	2922.4874603507796	2768.49523446116	123.6359095897161	55.6118096
575	150	96055	21138.8586730351	877537.3170250766	38.2849124569797	-100.7249797	351235.963732708	3449812.59001599	2922.4874603507796	2922.4874603507796	2768.49523446116	124.6359095897161	55.6118096
576	150	96056	21838.8586730351	877537.3170250766	38.28491097543242	-100.7226077	351432.081131753	3449808.53	2922.4874603507796	2922.4874603507796	2768.49523446116	125.6359095897161	55.6118096
577	150	96057	22418.8586730351	877537.3170250766	38.28490946981893	-100.720276	351633.0586	3449804.59068258	2922.4874603507796	2922.4874603507796	2768.49523446116	126.6359095897161	55.6118096
578	150	96058	23078.8586730351	877537.3170250766	38.28490791807456	-100.7179453	351834.079170967	3449800.58230838	2922.4874603507796	2922.4874603507796	2768.49523446116	127.6359095897161	55.6118096
579	150	96059	23738.8586730351	877537.3170250766	38.28490632110324	-100.7156147	352035.091074035	3449796.004014575	2924.34126016233	2816.698917388633	2768.391422586938	128.6359095897161	55.6118096
580	150	96060	24398.8586730351	877537.3170250766	38.28490467952623	-100.713284	352236.119148064	3449792.61397781	2923.143123	2814.069036454935	2770.631131168316	129.6359095897161	55.6118096
581	150	96061	25058.8										

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SurfBotKgr.f	SatBotKgr.f	
679	19139	76538.85867307335	877537.3170250766	39.28463271623233	-00.5291621	368116.2669957473	4349477.832964731	2781.7068957673719	2691.503654533019	2634.6230252740714	2634.83614306492	56.888020258317574	56.6673612262674
680	19140	77188.85867307335	877537.3170250766	39.28462747	-00.5268305	368317.2762	4349473.85530331	2778.190592579214	2690.009482463677	2633.136226185785	2633.243430710197	56.760545125270885	56.760545125270885
681	19141	77688.85867307335	877537.3170250766	39.28462934502105	-00.5244686	368539.27849178	4349489.878094178	2784.875166822287	2688.5336877043618	2631.4678243486318	2631.5230482634984	56.99020146714346	56.99020146714346
682	19142	78188.85867307335	877537.3170250766	39.284616851108034	-00.5221692	368745.1293120863	4349461.903217679	2784.155252920024	2687.0171527	2629.2962963459926	2631.07102892485	57.7182071813424	57.9464081346731
683	19143	79178.85867307335	877537.3170250766	39.284611472694365	-00.5198385	368920.3032	4349461.925609408	2769.901855	2685.5322221179917	2626.7567431659696	2626.491329	58.79647892202294	59.0189352247182
684	19144	79838.85867307335	877537.3170250766	39.28460460925193	-00.5175079	369121.3118904675	4349457.349	2763.914504560346	2684.032298208403	2624.1106621590857	2623.585736898904	56.56230459317385	56.44655954
685	19145	80498.85867307335	877537.3170250766	39.28460058009936	-00.5151772	369322.32049051626	4349453.97050285	2757.9269585719434	2682.56436622889	2621.31277612024156	2621.31277612024156	61.233606175024156	61.9439007472111
686	19146	81158.85867307335	877537.3170250766	39.28459506733667	-00.5124866	369523.329694761	4349449.97063445	2751.939506	2681.066893011144	2616.9347050537593	2617.687487134396	62.5202974935505	63.3782115996747
687	19147	81818.85867307335	877537.3170250766	39.2845908849134	-00.5105159	369724.3373135594	4349446.878094178	2748.875166822287	2679.5840141735288	2615.9536854502656	2615.9944423278467	64.5986868914921	64.5986868914921
688	19148	82478.85867307335	877537.3170250766	39.2845839533833	-00.5081852	369925.345356226	4349442.04530162	2738.132595952387	2678.123595952387	2613.82914372302	2613.910970067392	64.2952472197627	65.105208494924
689	19149	83138.85867307335	877537.3170250766	39.28457825680929	-00.5058546	370126.3536345827	4349437.019071201	2727.5583688411	2676.7080384536785	2612.3655697794587	2612.5340274521845	64.30052236	64.1386599149397
690	19150	83798.85867307335	877537.3170250766	39.28457256	-00.5035239	370327.3616075347	4349434.094941349	2719.0514512325994	2675.22246716315	2612.5270102031381	2615.801106120944	62.6954573483399	59.4213616042099
691	19151	84458.85867307335	877537.3170250766	39.28456682	-00.5011933	370528.369455731	4349431.11870695	2716.047261119753	2673.783830279977	2613.1094390814253	2619.25655087144203	64.6739087144203	65.542772900501536
692	19152	85118.85867307335	877537.3170250766	39.28456104110678	-00.4988626	370729.3717717936037	4349426.14499693	2718.5801111072	2672.3555252285826	2613.920842527727	2620.9217411953026	61.233606175024156	61.9439007472111
693	19153	85778.85867307335	877537.3170250766	39.28455521250087	-00.496532	370930.3848	4349422.17030853	2713.112975107923	2670.3382531904034	2614.828723788965	2620.371471876264	61.0952904043852	60.6205000412704
694	19154	86438.85867307335	877537.3170250766	39.28454933887578	-00.4942013	371131.302235758	4349418.15796848	2723.6458220913116	2669.34401703067	2615.281056717358	2618.570385363285	61.2538198332885	60.964401336919
695	19155	87098.85867307335	877537.3170250766	39.28454342023145	-00.4918707	371332.3996046784	4349414.2142745901	2726.759423317602	2668.1460119655026	2613.23066444365	2614.53795858533	54.92294547037565	53.72710717107484
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697	19157	88418.85867307335	877537.3170250766	39.284531473365611	-00.4872094	371734.413365611	4349406.273	2746.7902891887	2665.410842	2599.87108779937	2599.94148653159	61.53962381612635	61.915392224
698	19158	89078.85867307335	877537.3170250766	39.28452538418361	-00.4848487	371935.4209160495	4349402.296292363	2755.26696112807	2664.0634254463907	2595.669086406999	2595.149753643293	61.3304330913533	61.98136717920615
699	19159	89738.85867307335	877537.3170250766	39.28451929546271	-00.4825481	372136.4477232486	4349398.32602584	2779.9259093939384	2592.387333398945	2592.589702118716	2592.589702118716	61.38534206045631	61.7051380150158
700	19160	90398.85867307335	877537.3170250766	39.284513157122685	-00.4802174	372337.4356747514	4349394.350561824	2774.874867	2661.40349434278	2588.876845408513	2589.456213939852	61.52709915412653	61.9473700474261
701	19161	90938.85867307335	877537.3170250766	39.284507241236875	-00.4775893	372538.441188944	4349388.45049152	2774.874867	2661.40349434278	2588.876845408513	2589.456213939852	61.52709915412653	61.9473700474261
702	19162	91518.85867307335	877537.3170250766	39.28450072185275	-00.4755551	372739.447607743	4349386.40438317	2764.743382002304	2658.70690620116	2584.32013321652	2583.880905708481	61.746035398	64.8957639763492
703	19163	92378.85867307335	877537.3170250766	39.28449257940174	-00.4732255	372940.453746522	4349382.43605558	2764.082340406767	2656.486458705737	2580.9838753201716	2580.50455216457	61.8400868877985	61.767215385
704	19164	93038.85867307335	877537.3170250766	39.284488126571546	-00.4708948	373141.4602190438	4349378.40687978	2769.756884513383	2656.1740327639336	2576.859518634633	2576.2526059173525	61.91245112930028	61.9271426840411
705	19165	93698.85867307335	877537.3170250766	39.28448177573607	-00.4685642	373342.4663415946	4349374.448497979	2764.756884513383	2656.1740327639336	2576.859518634633	2576.2526059173525	61.91245112930028	61.9271426840411
706	19166	94358.85867307335	877537.3170250766	39.28447343881853	-00.4662233	373543.4724324204	4349370.51623139	2778.816246464117	2653.596923722223	2575.529084236204	2575.0528189511333	61.9300801101806	61.75068724080899
707	19167	95018.85867307335	877537.3170250766	39.2844683081973	-00.4639829	373744.4782217272	4349366.808157	2779.84059689645	2652.244061042515	2574.6815481125	2574.6815481125	61.9300801101806	61.75068724080899
708	19168	95678.85867307335	877537.3170250766	39.284461111537	-00.4617322	373945.4781771365	4349362.711	2780.8594705291	2651.92711041023	2573.72772004437	2573.72772004437	61.9300801101806	61.75068724080899
709	19169	96338.85867307335	877537.3170250766	39.28445582302374	-00.4592416	374146.489616602	4349358.00514317	2789.878183625051	2649.571058343736	2576.64473410627	2576.64473410627	61.9300801101806	61.75068724080899
710	19170	96998.85867307335	877537.3170250766	39.2844492827314	-00.4569109	374347.4951325749	4349354.628983247	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
711	19171	97658.85867307335	877537.3170250766	39.2844425993233	-00.4545803	374548.5005278495	4349350.67638095	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
712	19172	98318.85867307335	877537.3170250766	39.2844391535493	-00.4522496	374749.508026274	4349346.686	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
713	19173	98978.85867307335	877537.3170250766	39.2844391663678	-00.4499917	374950.51	4349342.716	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
714	19174	99638.85867307335	877537.3170250766	39.2844241236875	-00.4475893	375151.519915154	4349338.745	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
715	19175	100298.85867307335	877537.3170250766	39.2844155933543	-00.4452577	375352.5206090336	4349334.717116495	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
716	19176	100958.85867307335	877537.3170250766	39.2844087292876	-00.442927	375553.52800797	4349330.803988275	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
717	19177	101618.85867307335	877537.3170250766	39.2844018202431	-00.4405964	375754.504761635	4349326.83	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
718	19178	102278.85867307335	877537.3170250766	39.284398614211	-00.4382658	375955.530326547	4349322.863425029	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
719	19179	102938.85867307335	877537.3170250766	39.2843877	-00.4359831	376156.5369490515	4349318.89369503	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
720	19180	103598.85867307335	877537.3170250766	39.2843802921053	-00.4337363	376357.5437874893	4349314.52394815	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
721	19181	104258.85867307335	877537.3170250766	39.2843713732918	-00.431489	376558.57408715	4349310.85408157	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
722	19182	104918.85867307335	877537.3170250766	39.284366	-00.4292432	376759.5520680929	4349306.9510717	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.7703717888618	61.72104788325775
723	19183	105678.85867307335	877537.3170250766	39.2843594204798	-00.4269125	376960.556030289	4349302.01592868	2794.02723404304	2648.217106148114	2576.446728349253	2576.121378182286	61.770371788861	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
61	93	96265	-328701.1413	878197.3170250766	39.281164971074695	-01.9601663	244668.80435987343	43521.5649826454	3880.280202745116	3608.258911366305	3612.8908164404894	3623.0543988880805	367.3908492508687	57.20451247749679
66	93	96266	-328601.1414	878197.3170250766	39.2811673	-01.9678395	244889.959262002	43521.5245686804	3876.363472008358	3670.836195904446	3620.051386261485	367.46980101331415	58.31210378221015	58.31210378221015
67	93	96267	-322781.1413	878197.3170250766	39.28109872139761	-01.9616696	246571.0553149178	43521.63092750475	3872.453899690497	3676.453824178778	3618.4722273634436	367.5017833279647	61.98545177925838	61.98545177925838
68	93	96268	-326721.1413	878197.3170250766	39.2812020943323	-01.9531752	245272.1804263738	43521.74420689474	3870.273406049131	3673.53927721242	3607.9660221189324	3610.97133982421	63.556000239175	63.556346374
69	93	96269	-326061.1413	878197.3170250766	39.28125426167828	-01.9580488	245473.3020809348	43521.40178	3868.01536861127	3672.604737144855	3606.1066316576116	3604.947047667405	66.49810545687387	67.65726634774501
70	93	96270	-325401.1413	878197.3170250766	39.28127659030267	-01.9485144	245674.42988438273	43521.36.08554757	3865.79325476226953	3670.651102869411	3604.2829895195214	3607.734203130292	66.91871487988962	72.9160513911908
71	93	96271	-324741.1413	878197.3170250766	39.28128868191638	-01.9461814	245875.5542367483	43521.993265899	3863.16845988166	3668.677044604255	3602.966184718631	3590.945653463194	67.712198779424	77.3175106100315
72	93	96272	-324081.1413	878197.3170250766	39.2812900591939	-01.9438356	246076.67383738995	43521.1071175342	3860.1401894337	3666.82715197308	3600.92365723321	3588.986061046964	68.7909573639683	79.696541053487
73	93	96273	-323481.1413	878197.3170250766	39.2812826111624	-01.9418223	246277.06218525156	43521.23.609750475	3858.1212846887745	3664.66644786843	3599.21234849748587	3585.501381081176	69.4540836825844	71.16389777925838
74	93	96274	-322761.1413	878197.3170250766	39.28130452070389	-01.9391528	246478.92598431924	43521.19.71657565	3854.084171013697	3662.628572690941	3596.689235676956	3587.649245238894	69.56593247397174	74.97932257195192
75	93	96275	-322101.1413	878197.3170250766	39.2813695227456	-01.9368625	246860.04923103645	43521.38.8841753	3852.204003811445	3660.569158645317	3595.242609342897	3583.625493022876	71.07575920248483	
76	93	96276	-321441.1413	878197.3170250766	39.2814088693422	-01.9345321	246881.1723625574	43521.11.53472918	3851.47160801996	3658.488547342738	3594.4041347415077	3581.9314886971404	68.08409402373004	68.1703548081907
77	93	96277	-320781.1413	878197.3170250766	39.281430772382954	-01.9322017	247082.29517198438	43521.05.83882475	3847.763931	3657.3874960727476	3592.5840808587229	3588.485048094959	68.4054520551868	67.90240720236874
78	93	96278	-320121.1413	878197.3170250766	39.2814562992073	-01.9298713	247283.4170666436	43521.03.2644733	3840.00696643015	3654.267191644635	3590.657088144083	3585.611998629345	67.101322805358	69.14519343170195
79	93	96279	-319461.1413	878197.3170250766	39.28147444244747	-01.9279409	247484.50411196143	43520.99.26189237	3838.995814298483	3652.129148994089	3588.1291926995947	3580.161487926994	63.9999961812262	71.9676703
80	93	96280	-318801.1413	878197.3170250766	39.2814862096316	-01.9257105	247885.96220526214	43520.95.171	3848.9077652818937	3649.97523786991	3585.9306331215125	3574.583020180906	64.0440455147849	75.3913276008437
81	93	96281	-318141.1413	878197.3170250766	39.281517309626776	-01.9228801	247886.7840496725	43520.98.010608	3846.193862430178	3647.807397792178	3583.59879004456	3569.5489914480	64.2086009674428	78.2574864
82	93	96282	-317481.1413	878197.3170250766	39.28153960961214	-01.9205497	248087.9056444155	43520.96.90071214	3847.930372067153	3645.6261222273748	3580.9140615897295	3566.752534338356	64.71206063752195	78.87356883834311
83	93	96283	-316821.1413	878197.3170250766	39.281561244243495	-01.9182193	248289.2086986844	43520.98.90472835	3846.339722	3643.431781874233	3578.3391430177766	3562.381328612184	65.0222885765575	77.1032149024947
84	93	96284	-316161.1413	878197.3170250766	39.281582829914555	-01.9158889	248490.1480857246	43520.98.81097567	3843.6460510587885	3641.222111681051	3575.5947694949037	3568.059208	65.622742318575102	73.1629318575102
85	93	96285	-315501.1413	878197.3170250766	39.281603473274325	-01.9135588	248691.2689377023	43520.97.31391958	3840.3257996398	3638.996580153617	3572.8839680153617	3570.2182094864016	66.11352148091419	68.77830708880181
86	93	96286	-314841.1413	878197.3170250766	39.28162589627485	-01.9112128	248892.3586306372	43520.97.63197458	3838.258708879473	3636.767118740595	3570.043271961108	3567.4133991295415	65.1857621333708	70.5817682133708
91	93	96287	-310221.1413	878197.3170250766	39.28162210789231	-01.8984815	25109.142110611674	43520.92.44023206	3793.49432857816	3603.74423857816	3554.033985171074	3543.53778146748274	64.67024645942	74.224704645942
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99	93	96289	-312861.1413	878197.3170250766	39.2816900210009	-01.9042368	24949.7849342263	43520.98.36480483	3829.48617	3629.889542640072	3561.325642889997	3568.377938058467	68.5638985155265	61.51160458172556
90	93	96290	-312201.1413	878197.3170250766	39.28171140950297	-01.9019064	24966.8694309307	43520.94.276230316	3826.53262912038	3627.554668681302	3558.5701504878266	3562.631067719136	68.9845182	64.9236001023602
91	93	96291	-311541.1413	878197.3170250766	39.28173261894354	-01.899576	249897.9887960217	43520.97.1771218	3822.1678999126355	3625.196611480137	3557.828927992274	3560.29359512984	67.3263249	64.9283803
92	93	96292	-310881.1413	878197.3170250766	39.2817350927416	-01.8972456	25000.1079053968	43520.96.09953176	3816.4034	3622.8164416480003	3557.4019314308057	3560.8724907692085	65.41451022	61.94339087769176
93	93	96293	-310221.1413	878197.3170250766	39.28177509164241	-01.8948155	250300.22676737054	43520.92.44023206	3816.4034	3622.8164416480003	3557.4019314308057	3560.8724907692085	65.41451022	61.94339087769176
94	93	96294	-309561.1413	878197.3170250766	39.281802210789231	-01.8928847	25061.345291381	43520.97.92354023	3816.4034	3622.8164416480003	3557.4019314308057	3560.8724907692085	65.41451022	61.94339087769176
95	93	96295	-308901.1413	878197.3170250766	39.28181732134396	-01.8902543	25072.46377991257	43520.93.83545362	3799.38431373943	3615.569745127277	3555.219004669933	3554.734566028391	59.955404029719067	
98	93	96296	-308241.1413	878197.3170250766	39.2818383687723	-01.8879239	250903.5817809438	43520.99.78431489	3794.165213809674	3613.140187752451	3554.16687394052	3554.827303639865	58.9730383639865	58.9730383639865
97	93	96297	-307581.1413	878197.3170250766	39.28185937098724	-01.8855935	251104.699452822	43520.95.62086747	3788.9458962392725	3610.722132305429	3553.05090354653	3554.5371271964025	56.1883546418406	
98	93	96298	-306921.1413	878197.3170250766	39.28188032383042	-01.883263	251305.8173373056	43520.91.67988263	3783.7267781376	3608.33219103764	3551.865991665275	3552.053302	56.46721171036396	56.2788912736398
99	93	96299	-306261.1413	878197.3170250766	39.28191021406531	-01.8809328	251506.9345751459	43520.97.46897013	3785.395469180527	3605.9469180527	3550.614821870967	3550.614821870967	53.907003363034	53.907003363034
100	93	96300	-305621.1413	878197.3170250766	39.28192210789231	-01.8786622	251708.9518101674	43520.92.44023206	3783.49432857816	3603.74423857816	3554.033985171074	3543.53778146748274	64.67024645942	74.224704645942
101	93	96301	-304941.1413	878197.3170250766	39.28194230166444	-01.8762718	251909.16878112272	43520.99.314	3802.4992107455267	3601.613094952525	3547.109643780854	3556.607504127358	64.50340720236874	64.50340720236874
102	93	96302	-304281.1413	878197.3170250766	39.281963740742861	-01.8739413	252110.2854256696	43520.95.22736582	3811.05206896062	3599.6319111124562	3543.69242845403	3562.6439123605	55.9378262795311	63.9827589388062
103	93	96303	-303621.1413	878197.3170250766	39.2819844367878	-01.8716109	252311.0418246626	43520.91.14176219	3815.4068373726297	3597.74986042715	3539.4112907248914	3554.1167443912608	63.82764215384724	63.82764215384724
104	93	96304	-302961.1413	878197.3170250766	39.28200512691696	-01.8692085	252512.5177980777	43520.95.186983	3815.563641825433	3596.077824566335	3534.91496101818	3541.62265844549	51.4268594278159	51.4268594278159
105	93	96305	-302301.1413	878197.3170250766	39.282025769143054	-01.86695	252731.6338801028	43520.99.9640027	3815.792046672318	3594.4444652373	3530.38893934829	3535.05346404377	64.0555528896402	59.9905118349191
106	93	96306	-301641.1413	878197.3170250766	39.2820463635705	-01.8646196	252914.749527334	43520.98.9830804	3815.87740512618	3592.862516252816	3525.82769178676	3525.216264	67.0380470793932	67.0380470793932
107	93	96307	-300981.1413	878197.3170250766	39.28206725826715	-01.862368	253122.656013389	43520.94.276230316	3815.87740512618	3592.862516252816	3525.82769178676	3525.216264	67.0380470793932	67.0380470793932
108	93	96308	-300321.1413	878197.3170250766	39.282087452478855	-01.8595957	253319.16878112272	43520.99.314	3815.87740512618	3592.862516252816	3525.82769178676	3525.216264	67.0380470793932	67.0380470793932
109	93	96309	-299661.1413	878197.3170250766	39.2821078792605	-01.8576283	253518.5907903344	43520.97.6230138	3807.956072818398	3588.2496725106516	3513.186882774124	3513.071271759462		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.	BREIEvBothKrg.	Sat3tkBoth.	Sat3tkBoth.ft
191	ix1	96391	-245451.1413	878197.3170250766	39.28363260638158	-11.6665281	77008.700846883335	4531642.305534011	3649.7605137572123	3481.143487	3407.8112970303087	3405.5919266431043	73.3231896	75.5514939232557
192	ix1	96392	-244881.1413	878197.3170250766	39.28364933	-11.6641176	77020.803653276	4531638.26354529	3646.407795511174	3479.252128892141	3405.244713340565	74.0306796	76.4431734538464	
193	ix1	96393	-244221.1413	878197.3170250766	39.283660143428626	-11.661867	77041.0690113394	4531634.162138297	3643.05400526258	3473.412254585134	3402.939816817456	73.99948958419387	74.8445148379734	77.1619033049467
194	ix1	96394	-243651.1413	878197.3170250766	39.283626494435	-11.6595365	77061.19639	4531630.098521407	3645.702511001177	3475.69277765058	3400.779214590137	3396.9094191427153	74.193166316592075	78.7835843134265
195	ix1	96395	-242901.1413	878197.3170250766	39.283699240434835	-11.657206	770813.0886476536	4531626.029984632	3638.804241145842	3474.02699257251	3398.845502116697	3394.734777928787	75.1971975	79.8652614447245
196	ix1	96396	-242241.1413	878197.3170250766	39.2837157641003	-11.6548754	771014.182135152	4531623.961458589	3634.358524545124	3472.48314195618	3396.758033	3391.3141312752425	75.7219030468616	81.1680308406343
197	ix1	96397	-241581.1413	878197.3170250766	39.28373222736699	-11.6525449	77125.2773789192	4531617.89321621	3631.913624984570	3471.0549186013703	3395.4434038669424	3388.1662041607579	76.230937963760	82.8534272612375
198	ix1	96398	-240921.1413	878197.3170250766	39.2837487334499	-11.6502143	771416.37140567123	4531613.82517035	3629.4625418447	3469.637696297284	3394.481564451247	3385.2402933468884	75.176318413069	84.5772402593399
199	ix1	96399	-240261.1413	878197.3170250766	39.283765154243696	-11.6478783	771617.4562067866	4531609.757281712	3627.089653129023	3468.345011733265	3393.813078930515	3382.04698428733	74.5318382069758	86.8435306462758
200	ix1	96400	-239601.1413	878197.3170250766	39.283785152015746	-11.6455532	771818.5587244096	4531605.68961675	3624.80466536567	3467.131057327847	3393.316739551944	3378.4059355252647	73.814317702700	88.7416977562999
201	ix1	96401	-238941.1413	878197.3170250766	39.2837784105585	-11.6432227	772019.6521326869	4531601.622131932	3622.510277137116	3465.382905919067	3392.9662233424285	3370.89784635648	73.02166724765812	90.3978946735648
202	ix1	96402	-238281.1413	878197.3170250766	39.28381412	-11.6408921	772220.7538522833	4531597.55453437	3620.2158071776453	3464.90849146494	3392.989241694816	3372.82058	71.9192074696784	92.0787171699428
203	ix1	96403	-237621.1413	878197.3170250766	39.28383034781419	-11.6385616	772421.838258799	4531593.82784964405	3618.829784964405	3463.1375714748347	3391.93380373112	3369.9148074805576	73.9689812332867	93.9689812332867
204	ix1	96404	-236961.1413	878197.3170250766	39.283846531966530	-11.6362311	772622.9300475036	4531589.420817299	3615.3403361951464	3462.033367166630	3392.628465117565	3390.0279717433262	70.2750902789694	96.900393831689
205	ix1	96405	-236301.1413	878197.3170250766	39.28386257450232	-11.6339009	772823.9238295058	4531584.356499316	3612.852369649474	3461.960816574001	3392.489449871406	3383.3860271432222	69.94737948502787	98.5772402593399
206	ix1	96406	-235641.1413	878197.3170250766	39.28387617023205	-11.631569	773025.1156136113	4531581.2871601	3610.370016355819	3461.0468699897083	3392.625047701478	3381.840153078647	68.4122201390504	99.2067109106146
207	ix1	96407	-234981.1413	878197.3170250766	39.283891482112816	-11.6292934	773226.2076169296	4531577.221216991	3608.72927205503	3460.15322682608	3392.71261565088	3380.381340207391	67.4408112732600	99.77190285
208	ix1	96408	-234321.1413	878197.3170250766	39.283910826917584	-11.6269088	773427.2993964519	4531573.155064209	3606.396987214346	3459.2708196164217	3392.859511633774	3371.8946951110457	64.1096845264428	87.3761245059645
209	ix1	96409	-233661.1413	878197.3170250766	39.2839267869134	-11.6245783	773628.3900523776	4531569.089101294	3604.5810091425684	3458.390149727918	3392.93096434914714	3371.724562	65.2995062364663	81.2655881287874
210	ix1	96410	-233001.1413	878197.3170250766	39.283942703449405	-11.6222477	773829.4822849141	4531565.032328778	3602.76115871279447	3457.504921279447	3392.32546820405	3380.931732779816	64.72723447703965	76.5338496496293
211	ix1	96411	-232341.1413	878197.3170250766	39.28395857491795	-11.6199172	774030.573392678	4531560.957744748	3600.921248521006	3456.610337287638	3393.2935851032162	3382.325635919716	63.375621852315	72.2869509792171
212	ix1	96412	-231681.1413	878197.3170250766	39.283974	-11.6175986	774212.664200414	4531559.925347578	3599.0360069915615	3455.70238489524	3393.47150952362	3384.45599194478	62.2173145617014	72.257254561691
213	ix1	96413	-231021.1413	878197.3170250766	39.28399031805076	-11.6152671	774428.294269314	4531558.923219	3597.471179286131	3454.97703142687	3393.47150952362	3384.45599194478	61.57870151464971	72.257254561691
214	ix1	96414	-230361.1413	878197.3170250766	39.28400591632403	-11.6129255	774633.8453852745	4531548.7621407767	3595.344676616699	3453.847866445556	3393.716291200035	3384.45599194478	60.1315751455203	68.9982572491515
215	ix1	96415	-229701.1413	878197.3170250766	39.28402160700308	-11.6105949	774834.93560394295	4531546.9368279136	3593.455096616699	3452.900398878884	3393.8831822049384	3385.469838571537	59.002716284984	67.3030103703463
216	ix1	96416	-229041.1413	878197.3170250766	39.2840372566267	-11.6082644	775036.025600451	4531540.63268769	3591.342511346603	3451.1450811346603	3394.114530961256	3386.4889784057924	57.83128417340413	65.4563825893616
217	ix1	96417	-228381.1413	878197.3170250766	39.2840538331354	-11.6059338	775237.11537510286	4531536.68264691	3589.2616594026347	3450.987640951788	3393.7906798564	3385.987640951788	57.196961056136	61.9635868
218	ix1	96418	-227721.1413	878197.3170250766	39.2840684094846	-11.603632	775438.2049276455	4531532.4049276455	3587.911719286131	3450.030205782015	3393.416947118371	3387.260370566461	56.11258626394405	61.76947512555398
219	ix1	96419	-227061.1413	878197.3170250766	39.284083919660224	-11.6013277	775639.294269314	4531529.4269319	3585.971179286131	3449.07703142687	3393.47150952362	3384.45599194478	55.1354521968819	61.76947512555398
220	ix1	96420	-226401.1413	878197.3170250766	39.28410515967	-11.599821	775840.38329136	4531524.37060459	3583.9557221184	3448.130057721184	3393.3885414520398	3384.45599194478	53.6024019806871	60.7442953077455
221	ix1	96421	-225741.1413	878197.3170250766	39.284114805742874	-11.5966115	776041.4275276277	4531520.312838466	3581.941956620395	3447.194256384916	3393.8202817286134	3387.71057103602	53.304143099	59.42319226411
222	ix1	96422	-225081.1413	878197.3170250766	39.284130811831012	-11.594281	776242.5609256927	4531516.24993008	3584.974721265637	3446.29671265637	3394.605804805608	3390.6472160216293	51.66437918002785	55.6044902407425
223	ix1	96423	-224421.1413	878197.3170250766	39.2841455118627	-11.5919504	776443.6483728497	4531512.18529467	3580.718461586223	3445.3604820819765	3393.1178622484395	3391.64204580767	50.2522697153709	53.71830936320564
224	ix1	96424	-223761.1413	878197.3170250766	39.28416077939631	-11.5896198	776644.73599485	4531508.12824247	3578.365298311594	3444.49460447152	3396.183757982779	3393.03266060878	48.28564846753185	51.483098496333
225	ix1	96425	-223101.1413	878197.3170250766	39.28417603791518	-11.5872893	776845.8256	4531504.09662333	3576.021315058465	3443.59628244923	3395.99499	3392.52178908463	46.96608833827376	49.06608833827376
226	ix1	96426	-222441.1413	878197.3170250766	39.28419123417864	-11.5849567	777046.5133020274	4531500.923219	3574.14691962717915	3442.76442122581	3396.104045095947	3394.1699197711	45.15291131464971	49.06608833827376
227	ix1	96427	-221781.1413	878197.3170250766	39.284203683904376	-11.5826281	777247.650595464	4531495.934292402	3572.03852923703	3441.8200571073784	3396.938173116895	3397.9976784342573	42.10186390483404	49.06608833827376
228	ix1	96428	-221121.1413	878197.3170250766	39.2842214937461	-11.5802975	777449.083049459	4531491.871942568	3570.06354030095	3441.13329454784	3401.721023481758	3400.986238573713	39.9162164640555	41.02803761886116
229	ix1	96429	-220461.1413	878197.3170250766	39.28423648628606	-11.577967	777650.1754321017	4531487.069782815	3568.260186560433	3440.328537781596	3403.955288642315	3402.511986	36.37324913828114	37.8165517131581
230	ix1	96430	-219801.1413	878197.3170250766	39.28425156526628	-11.5756364	777851.2623394897	4531483.747813132	3567.036557787915	3439.565788	3406.6363875917755	3405.3554894137052	32.924904115144745	34.2099378655683
231	ix1	96431	-219141.1413	878197.3170250766	39.2842706368766	-11.5733058	778052.34908271563	4531479.68603515	3565.0257787019346	3438.825186127515	3406.738050438895	3408.604381270522	30.9167404861996	30.9167404861996
232	ix1	96432	-218481.1413	878197.3170250766	39.28428146105296	-11.5709752	778253.434968087	4531475.62443953	3564.539243738226	3438.1067712341837	3412.769168875967	3413.565429419674	25.37401245850828	24.5413194251628
233	ix1	96433	-217821.1413	878197.3170250766	39.284291634148131	-11.5686412	778454.201673616	4531471.90444339	3563.032849619102	3437.032849619102	3412.769168875967	3413.565429419674	24.5413194251628	24.5413194251628
234	ix1	96434	-217161.1413	878197.3170250766	39.28431171685314	-11.566314	778655.6077825917	4531467.502	3561.512145173795	3436.493396751929	3417.77859891676	3414.503456691076	19.671410059309	18.31930540021385
235	ix1	96435	-216501.1413	878197.3170250766	39.28432596720931	-11.5639835	778856.63959709177	4531463.440815536	3561.020833369745	34				

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BR/ElevKgr.f	BR/ElevKgr.f	SatHtKgr.f	SatHtKgr.f
317	131	95817	-162281.1413	878197.3172025076	39.28638558295228	-101.3728729	295345.00740018656	4351131.083191385	3418.080623746527	3279.8887216672624	3274.9650959728423	3284.6335808361	3285.226593838086
318	131	95818	-162171.1413	878197.3172025076	-101.3705423	295546.07581439376	435110.370198162	3414.500284659587	3297.9212221895934	3272.8987336477787	3284.348489303046	32.0148542714666	14.33673238694976
319	131	95819	-161961.1413	878197.3172025076	39.2854784573742	-101.3682116	295747.14442737445	435102.269323243	3293.9904569184639	3270.445507949226	3281.157584624074	25.4859323276455	14.73786222764556
320	130	95820	-160401.1413	878197.3172025076	39.28541860902225	-101.356581	295948.2107993465	435111.8547041262	3413.51570259661	3271.933479312671	3278.925963283344	25.98724535	14.99098043036731
321	131	95821	-159741.1413	878197.3172025076	39.28542952844851	-101.363503	296149.279851674	435111.0430236667	3414.1171685474	3291.890097563522	3265.447069074161	32.7246324073069	17.74685248930461
322	132	95822	-159081.1413	878197.3172025076	39.28544002427622	-101.3612197	296350.34746301186	435110.8587214104	3414.6773247498474	3289.83065267014	3262.9017317404714	27.2466363591697	17.59252732
323	131	95823	-158421.1413	878197.3172025076	39.28545121085354	-101.358889	296551.41487413895	435110.8143595935	3413.4273607	3287.74918217442	3260.70927443119	32.700448366394	17.6644985104767
324	131	95824	-157161.1413	878197.3172025076	39.28546201	-101.356584	296572.48208256475	435110.70259104	3413.077465305026	3285.668451155527	3269.05213705115	32.77492487744336	16.61633141400147
325	131	95825	-157101.1413	878197.3172025076	39.2854784573742	-101.362116	296747.14442737445	435102.269323243	3413.51570259661	3271.933479312671	3278.925963283344	25.4859323276455	14.73786222764556
326	132	95826	-156441.1413	878197.3172025076	39.2854534740109	-101.3518917	297154.6159083358	435104.852554171	3410.57181748475	3291.41769778755	3255.183226693327	3262.340349512724	26.23654319502236
327	131	95827	-155471.1413	878197.3172025076	39.2854049613571	-101.349564	297355.862506904	435108.63885716	3408.85349	3279.27008281236	3253.604535101655	3260.716675076055	26.61956718346842
328	132	95828	-155121.1413	878197.3172025076	39.28550469951636	-101.3472358	297556.748933648	435105.95605659	3409.7762745489526	3270.4446618239	3251.87468022742	32.5847913089481	26.181253258757952
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336	131	95836	-149841.1413	878197.3172025076	39.28558780890391	-101.3285905	299165.2719332513	435105.1054255	3409.208746075927	3259.280173000667	3239.678100124029	32.244744536180457	14.53631386220106
337	131	95837	-149181.1413	878197.3172025076	39.285598107456195	-101.3262598	299366.337821059	435105.217311002	3407.517842975168	3256.99817557873	3238.23192813402	32.24407564877718	17.86664274470846
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341	130	95841	-146541.1413	878197.3172025076	39.2856384545794	-101.3169372	301700.5943228955	435104.048094145	3401.00057262927	3247.71636712276	3231.472432547313	3238.99024824638	16.28917047579628
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348	131	95848	-141921.1413	878197.3172025076	39.28570732022184	-101.3006225	301578.057852727	435100.7679344	3380.612276991644	3231.1376688524	3209.18680087567	32.26101830116438	21.95376780957267
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352	131	95852	-139281.1413	878197.3172025076	39.2857458333635	-101.291269	302392.263729157	435089.61128421	3371.131157	3221.38014481165	3195.051715424204	32.2057245440770306	21.785800444271
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365	131	95865	-1										

ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfKlog.f	SurfKlog.f
43	ix	96843	-7922.14133	878197.3170250766	39.28642384979096	-01.0792906	320678.1115616273	4350622.86779197	3083.825111418618	316.602738818337	2940.598780072503	2946.788688040887
44	ix	96844	-7856.14133	878197.3170250766	39.286429242555	-01.076879	32083.72041322069	305.245971472907	305.245971472907	2943.821558344524	2943.821558344524	2943.821558344524
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446	ix	96846	-7741.14133	878197.3170250766	39.2864395723333	-01.0722144	321281.2451357479	4350610.803054497	309.4809112966314	3012.62782480186	2935.0112203108327	76.115713718592
447	ix	96847	-7658.14133	878197.3170250766	39.286445103606546	-01.0698837	321482.2893106434	4350606.78304387	309.286474233095	301.342889696648	2934.721261449964	2938.942713305892
448	ix	96848	-7592.14133	878197.3170250766	39.2864503495924	-01.067553	321683.333103939	4350602.76232634	307.002893405244	2933.90406460995	2931.0019123	76.17449895974963
449	ix	96849	-7526.14133	878197.3170250766	39.2864455129143	-01.0652222	321884.371368587	4350598.74179527	307.1490683891	300.846885876378	2933.8092136060927	2932.8056146179325
450	ix	96850	-7460.14133	878197.3170250766	39.28645057260315	-01.0626819	322085.4207616756	4350594.21455242	302.43253411490246	300.7636350100127	2933.2191865160657	2932.3039181671915
451	ix	96851	-7394.14133	878197.3170250766	39.2864553884935	-01.0605806	322286.4629641384	4350590.701	318.876286739215	300.846885876378	2933.058538986658	2928.6286753378097
452	ix	96852	-7323.14133	878197.3170250766	39.28647056016501	-01.0582301	322487.5075704584	4350586.981	317.042233419455	300.524539149485	2932.773215891962	2928.77023
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454	ix	96854	-7196.14133	878197.3170250766	39.2864805674472	-01.0535686	322889.5398580975	4350576.841978619	317.37124259321	300.2916795203892	2936.8013701713423	2922.525323754278
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456	ix	96856	-7064.14133	878197.3170250766	39.28649025042256	-01.0489072	323291.61903317945	4350560.337302029	314.12696393116635	300.591722422656	2939.0291235815744	2931.59017912448634
457	ix	96857	-6998.14133	878197.3170250766	39.2864951021014	-01.0468576	323492.71491520	4350556.58434832	318.2402337116251	299.9465521268	2937.32389289955	2918.3584879325714
458	ix	96858	-6932.14133	878197.3170250766	39.286499425747	-01.044458	323693.7637573394	4350552.565515104	316.7334913934623	299.842450948434	2936.482371907667	2912.321990297825
459	ix	96859	-6866.14133	878197.3170250766	39.28650544848654	-01.041915	323894.809595732	4350558.546679676	312.068750505689	297.15749602705	2935.2549124616276	2916.208197186152
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461	ix	96861	-6734.14133	878197.3170250766	39.286513825678156	-01.0372536	324296.886216273	4350550.51142508	3162.7034892493036	299.05160560463	2927.8363517072323	2927.8363517072323
462	ix	96862	-6668.14133	878197.3170250766	39.28651839674303	-01.0349229	324497.931199349	4350546.492026175	3158.0203879656117	294.0886459097937	2924.448973413494	2918.935506115542
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464	ix	96864	-6536.14133	878197.3170250766	39.2865274381095	-01.0302614	324900.0134063126	4350538.4566268	3165.90046329606	292.236701802635	2917.209730216816	2916.0557285073487
465	ix	96865	-6470.14133	878197.3170250766	39.2865324510976	-01.0276133	325114.7325901371	4350542.33850674	3152.14058545921	291.24044614594	2914.183182565574	2914.183182565574
466	ix	96866	-6404.14133	878197.3170250766	39.28653623079629	-01.0256	325302.9537975077	4350530.41623308	3157.734133793374	290.94710931524496	290.46309712008	290.183722019035
467	ix	96867	-6338.14133	878197.3170250766	39.2865405767595	-01.0232693	325503.13651982526	4350541.4244384	3157.386012452575	290.832819756144	290.7155514357305	290.667348906625
468	ix	96868	-6272.14133	878197.3170250766	39.28654477698965	-01.0209386	325704.1770176434	4350522.38	3155.70253402122	290.8334312214022	290.699141236364	290.9425362184236
469	ix	96869	-6206.14133	878197.3170250766	39.28654913819324	-01.0186078	325905.2174552338	4350518.370770504	3154.819456725096	290.855825130637	290.823564877087	290.823564877087
470	ix	96870	-6140.14133	878197.3170250766	39.28655334451898	-01.0162771	326106.2576647397	4350514.35419792	3153.5361802148964	290.35409534668	290.9159037852914	290.3669052272972
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472	ix	96872	-6008.14133	878197.3170250766	39.28656213125421	-01.0116157	326508.3211661467	4350506.132116147	3149.71131715515	290.4391968836	290.5141978137044	290.5141978137044
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474	ix	96874	-5876.14133	878197.3170250766	39.286569737910654	-01.0069542	326910.4168	4350498.289779649	3144.79243916493	290.8458679	291.7674090930606	290.8458679
475	ix	96875	-5810.14133	878197.3170250766	39.28657372370676	-01.0046235	327114.518784555	4350494.27145974	3144.855173162095	290.83677668057093	291.048008080932	291.048008080932
476	ix	96876	-5744.14133	878197.3170250766	39.2865776648216	-01.0022928	327312.495373815	4350495.7800448	3144.31121627313	290.836009792385	291.84526132069	291.765365684896
477	ix	96877	-5678.14133	878197.3170250766	39.286581500226826	-00.999962	327513.53400567	4350494.23443361	3143.5578091677	290.7627832	291.93096752015346	291.42549671614336
478	ix	96878	-5612.14133	878197.3170250766	39.28658451097076	-00.997613	327714.7325901371	4350492.23137308	3142.72345175584	290.720404765458	291.253526121627	291.253526121627
479	ix	96879	-5546.14133	878197.3170250766	39.28658921668315	-00.9953006	327915.6119451567	4350478.21439269	3141.07893016303	290.8172324898415	290.6712324898415	290.6712324898415
480	ix	96880	-5480.14133	878197.3170250766	39.286592377376344	-00.9929699	328116.6047128114	4350474.19879651	3138.789492366226	290.907788614176	291.846735893036	291.846735893036
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482	ix	96882	-5348.14133	878197.3170250766	39.2866033639883	-00.9883084	328518.720120034	4350466.19597915	3134.70167683638	290.7422405862036	291.033133338126	291.033133338126
483	ix	96883	-5282.14133	878197.3170250766	39.286603989328945	-00.9859777	328719.7650316066	4350462.158991818	3133.5589859137531	290.7484953117351	290.9154284180297	290.9154284180297
484	ix	96884	-5216.14133	878197.3170250766	39.2866156993467	-00.983647	328920.8028371723	4350458.142	3132.5578091677	290.7627832	291.93096752015346	291.42549671614336
485	ix	96885	-5150.14133	878197.3170250766	39.28661910352675	-00.9813618	329124.7325901371	4350452.1589633	3130.743291988831	290.720404765458	291.253526121627	291.253526121627
486	ix	96886	-5084.14133	878197.3170250766	39.2866145090446	-00.9789855	329326.87808717124	4350450.114591451	3130.5435311076477	290.7573478881691	291.671472425468	290.6712324898415
487	ix	96887	-5018.14133	878197.3170250766	39.28661804161354	-00.9766548	329523.9153489234	4350446.101214997	3130.31504771037	290.74348673615456	291.5453667338443	291.5453667338443
488	ix	96888	-4952.14133	878197.3170250766	39.28662144216745	-00.9743234	329724.956242999	4350442.08	3130.30904578806	290.7319589795445	292.01709371228458	292.01709371228458
489	ix	96889	-4886.14133	878197.3170250766	39.28662477672715	-00.9719933	329925.896435054	4350430.07626221	3128.786453872676	292.281650239058	292.580862468475	291.84731327144175
490	ix	96890	-4820.14133	878197.3170250766	39.28662810815717	-00.9696626	330127.1027026	4350434.60212385	3128.66604191575	291.285033203762	292.580862468475	292.580862468475
491	ix	96891	-4754.14133	878197.3170250766	39.2866313762077	-00.9673813	330329.953192228	4350430.05	3128.74545	291.7674090930606	292.01709371228458	292.01709371228458
492	ix	96892	-4688.14133	878197.3170250766	39.2866354042636	-00.9650741	330529.097061443	4350426.03153271	3128.715776299228	290.820865805398	292.04304670123935	291.66071222752
493	ix	96893	-4622.14133	878197.3170250766	39.2866376945547	-00.9626704	330730.136062714	4350422.02404971	3128.749152351052	290.82393200041	292.04331982601	292.04331982601
494	ix	96894	-4556.14133	878197.3170250766	39.28664089886564	-00.9603397	330931.1725413816	4350410.81294483	3128.746477608484	290.730420390967	292.3496239024678	291.81829289214
495	ix	96895	-4490.14133	878197.3170250766	39.2866438526678	-00.9580089	331132.2082062415	4350406.33762376	3128.70515385748	290.66329988293617	292.087488017614	292.087488017614
496	ix	96896	-4424.14133	878197.3170250766	39.28664702561615	-00.9556782	331333.244126375					

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevLogKrg	BRiElevBothKrg	SatElevLogKrg	SatElevBothKrg
569	131	96769	3938.8586730733514	878197.3170250766	39.2867473072237	-100.7855346	346008.4311345315	4350117.64300311	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
570	131	96770	4598.858673073351	878197.3170250766	39.2867470920691	-100.7852349	346209.4553744617	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
571	131	96771	5258.858673073351	878197.3170250766	39.28674674281727	-100.7850732	346410.4786603135	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
572	131	96772	5918.858673073351	878197.3170250766	39.286746361575894	-100.7848244	346611.5030640611	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
573	131	96773	6578.858673073351	878197.3170250766	39.28674593531797	-100.7762117	346812.52197883155	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
574	131	96774	7238.858673073351	878197.3170250766	39.28674546403898	-100.773881	347013.5505425088	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
575	131	96775	7898.858673073351	878197.3170250766	39.2867444733893	-100.7715502	347214.5734376375	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
576	131	96776	8558.858673073351	878197.3170250766	39.2867443641782	-100.7692195	347415.5978442274	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
577	131	96777	9218.858673073351	878197.3170250766	39.2867437807569	-100.766888	347616.629324187	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
578	131	96778	9878.858673073351	878197.3170250766	39.2867432812282	-100.764558	347817.643937834	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
579	131	96779	10538.858673073351	878197.3170250766	39.2867428322822	-100.7622273	348018.6668637685	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
580	131	96780	11198.858673073351	878197.3170250766	39.28674169092291	-100.759866	348219.6899222635	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
581	131	96781	11858.858673073351	878197.3170250766	39.2867409449658	-100.7575658	348420.712003685	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
582	131	96782	12518.858673073351	878197.3170250766	39.286740034917	-100.7552351	348621.734661392	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
583	131	96783	13178.858673073351	878197.3170250766	39.286739196580726	-100.7529403	348822.75687515377	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
584	131	96784	13838.858673073351	878197.3170250766	39.28673827509125	-100.750578	349023.77914292796	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
585	131	96785	14498.858673073351	878197.3170250766	39.2867373058075	-100.7482429	349224.80116384255	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
586	131	96786	15158.858673073351	878197.3170250766	39.28673627049146	-100.7459121	349425.8230384623	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
587	131	96787	15818.858673073351	878197.3170250766	39.28673524049626	-100.7435814	349626.847669926	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
588	131	96788	16478.858673073351	878197.3170250766	39.2867341389224	-100.7412507	349827.8664	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
589	131	96789	17138.858673073351	878197.3170250766	39.2867329923766	-100.7389199	350028.8878651037	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
590	131	96790	17798.858673073351	878197.3170250766	39.2867318	-100.7365892	350229.9051780222	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
591	131	96791	18458.858673073351	878197.3170250766	39.2867306407515	-100.7342585	350430.1922674187	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
592	131	96792	19118.858673073351	878197.3170250766	39.28672928241736	-100.7319277	350631.9513253962	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
593	131	96793	19778.858673073351	878197.3170250766	39.28672795573856	-100.729597	350832.9722	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
594	131	96794	20438.858673073351	878197.3170250766	39.28672658	-100.7272663	351033.9929332697	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
595	131	96795	21098.858673073351	878197.3170250766	39.28672516731786	-100.7249355	351235.0134605155	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
596	131	96796	21758.858673073351	878197.3170250766	39.28672371	-100.7226048	351436.0338345696	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
597	131	96797	22418.858673073351	878197.3170250766	39.2867221988131	-100.7202741	351638.07242187	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
598	131	96798	23078.858673073351	878197.3170250766	39.2867207470294	-100.7179433	351838.074297421	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
599	131	96799	23738.858673073351	878197.3170250766	39.28671905022433	-100.7156126	352039.9448858474	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
600	131	96800	24398.858673073351	878197.3170250766	39.2867174083943	-100.7132819	352240.141368614	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
601	131	96801	25058.858673073351	878197.3170250766	39.286715721552	-100.7109511	352441.1338416464	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
602	131	96802	25718.858673073351	878197.3170250766	39.2867139896326	-100.7086204	352642.154034149	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
603	131	96803	26378.858673073351	878197.3170250766	39.2867122719472	-100.7062897	352843.1728223703	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
604	131	96804	27038.858673073351	878197.3170250766	39.286710593491	-100.7039489	353044.1922674187	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
605	131	96805	27698.858673073351	878197.3170250766	39.28670852363834	-100.7016287	353245.121236675	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
606	131	96806	28358.858673073351	878197.3170250766	39.28670671200206	-100.6992975	353446.2302244167	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
607	131	96807	29018.858673073351	878197.3170250766	39.28670465529221	-100.6969667	353647.24907417357	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
608	131	96808	29678.858673073351	878197.3170250766	39.28670265303357	-100.694636	353848.2678214297	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
609	131	96809	30338.858673073351	878197.3170250766	39.28670060020595	-100.6923053	354049.28634852974	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
610	131	96810	30998.858673073351	878197.3170250766	39.286698513984284	-100.6899745	354250.30477373857	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
611	131	96811	31658.858673073351	878197.3170250766	39.286696913984284	-100.6876431	354451.32604710349	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
612	131	96812	32318.858673073351	878197.3170250766	39.286695341945036	-100.6853131	354652.341200247	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
613	131	96813	32978.858673073351	878197.3170250766	39.28669371677512	-100.6829823	354853.35920234653	4350113.6540710114	2975.0840240054176	28.22432688991647	2828.6914553262536	53.551813632911035	53.0770113956938
614	131	96814	33638.858673073351	878197.3170250766	39.28669205632106	-100.6806516	355054.377063931	4350113.6540710114	29				

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLogK.f	SatHtBoth.f	
691	ix1	96895	87098.85867307335	878197.3170250766	39.286356139903795	-100.491863	371336.367043878	4349615.393610882	2765.679813015551	2667.3838704113977	2608.4385087268206	2609.7193821984	51.453652857711	57.8048601841983
696	ix1	96896	87758.85867307335	878197.3170250766	39.286350170688455	-100.48995327	371537.38370176406	4349611.419351058	2739.6973304731855	2666.213192258192	2602.76625076666245	2602.76625076666245	51.437715911567	57.8048601841983
697	ix1	96897	87758.85867307335	878197.3170250766	39.28634416725281	-100.487876	371728.39016391766	4349607.458277527	2783.714847398913854	2658.65589722327	2594.8526369361587	2594.8526369361587	51.437715911567	57.8048601841983
698	ix1	96898	87078.85867307335	878197.3170250766	39.28633811339688	-100.4844709	371939.398	4349603.471390203	2763.723653845854	2663.516296110515	2605.0569864465392	2593.2324620600066	69.865406545292	70.283340148296
699	ix1	96899	87078.85867307335	878197.3170250766	39.286332014520646	-100.4825402	372140.4034664603	4349599.497680999	2772.5483237569335	2662.18839934342	2591.4200569389536	2591.215064199659	70.7683240408829	70.9733514428283
700	ix1	96900	90398.85867307335	878197.3170250766	39.2862570621541	-100.480295	372341.410044731	4349595.524	2768.1495230368	2660.872481366118	2588.9555138	2571.917031292917	72.01716351	
701	ix1	96901	91058.85867307335	878197.3170250766	39.286319681707425	-100.477878	372421.4162176243	4349591.550845528	2769.365123155824	2658.266170903055	2586.23181100276448	2586.169165	73.334877666076	73.3975428966047
702	ix1	96902	91718.85867307335	878197.3170250766	39.286313447770425	-100.4758481	372743.427126566	4349587.578	2768.760721594907	2658.26672285538	2583.2384874107605	2579.0389845333446	75.1827796170445	
703	ix1	96903	92378.85867307335	878197.3170250766	39.2863071	-100.4737174	372944.4288682414	4349583.60478658	2768.4217259913354	2656.8754261951523	2578.5745746894187	2571.7168742581793	77.1168333487679	
704	ix1	96904	93038.85867307335	878197.3170250766	39.28630084483575	-100.4708686	373145.4343834635	4349579.631975616	2765.93227746015	2575.102748040772	2576.1764512041052	2578.5745746894187	79.5386142236104	
705	ix1	96905	93698.85867307335	878197.3170250766	39.28623447583808	-100.4685559	373346.440665839	4349575.93296605	2763.848880018366	2643.88195250687	2573.61810066941	2573.731365759748	80.76938519	81.2508294322274
706	ix1	96906	94358.85867307335	878197.3170250766	39.2862808182023	-100.4662252	373547.446729876	4349571.68894965	2772.8232034	2653.061129297815	2573.5721854322196	2573.18926517217	79.5138349743029	79.89685873805456
707	ix1	96907	95018.85867307335	878197.3170250766	39.28621802782175	-100.4638495	373748.452537808	4349567.715	2770.5118622871214	2651.77293135663	2574.021546643233	2573.634869432244	79.71383475481707	79.89685873805456
708	ix1	96908	95678.85867307335	878197.3170250766	39.2862750872394	-100.4615638	373949.4572914684	4349563.724757715	2761.415396248103	2650.4517928252937	2574.1173462381084	2574.1173462381084	79.71383475481707	79.89685873805456
709	ix1	96909	96338.85867307335	878197.3170250766	39.2862589494556	-100.4593231	374150.4633963503	4349561.781918345	2759.416932810956	2649.1006161655737	2574.0208670626744	2573.610884101281	79.7079497	79.89685873805456
710	ix1	96910	96998.85867307335	878197.3170250766	39.2826195544701	-100.4569024	374351.468685547	4349555.7902506	2743.222464278025	2647.7385485979274	2574.36018420311	2573.912155	73.7838471735817	73.8259890110759
711	ix1	96911	97658.85867307335	878197.3170250766	39.2862565162836	-100.4545177	374552.473886428	4349551.827797965	2737.30279830215	2646.39882311938	2575.049814157066	2574.714630737493	75.26519086232953	75.6425517398203
712	ix1	96912	98318.85867307335	878197.3170250766	39.2862443228955	-100.452241	374753.4786965833	4349547.85616396	2734.6207767374937	2644.96804290074	2576.3899716753826	2576.019680111298	76.71833021469128	76.8471961737756
713	ix1	96913	98978.85867307335	878197.3170250766	39.28624190313063	-100.4499103	374954.838268619	4349543.884822025	2731.918474042717	2643.5622584095554	2578.132582378284	2577.893314148664	76.4390017	76.8471961737756
714	ix1	96914	99638.85867307335	878197.3170250766	39.28623513	-100.4475796	375155.48876703373	4349539.914531137	2729.216171152051	2642.194506589805	2580.1828171754194	2580.15302958035	76.61996324004076	76.91995031195545
715	ix1	96915	100298.85867307335	878197.3170250766	39.2862238075224	-100.4452489	375356.4938427119	4349534.43790391	2726.375755549233	2641.7012303934084	2582.518348	2582.7637936731867	76.8128825561963	76.91995031195545
716	ix1	96916	100958.85867307335	878197.3170250766	39.28622144552925	-100.4424582	375597.498176423	4349531.37	2725.990807	2639.3104349058	2585.2981780022397	2585.8733598445096	76.91995031195545	76.91995031195545
717	ix1	96917	10168.85867307335	878197.3170250766	39.2862135424369	-100.4392813	375864.5270577136	4349524.194704005	2726.910720021008	2638.48919839115	2586.7819840433566	2586.7819840433566	76.91995031195545	76.91995031195545
718	ix1	96918	10228.85867307335	878197.3170250766	39.28620782031345	-100.4382568	375959.5073047746	4349520.037374963	2738.84551050322	2636.49831733831	2578.7254541595903	2579.078074396395	77.5443757424084	77.5827357374903
719	ix1	96919	102938.85867307335	878197.3170250766	39.28620058275024	-100.4359621	376160.51127321296	4349520.063	2734.528889061053	2635.053985	2572.2192938051176	2572.2192938051176	78.63299349259	78.63299349259
720	ix1	96920	103598.85867307335	878197.3170250766	39.2861933845266	-100.4339594	376361.515397096	4349516.09256436	2747.47493420	2633.643416049274	2567.0761702823143	2566.886175551054	66.5672457669597	66.7572405
721	ix1	96921	104258.85867307335	878197.3170250766	39.2861864913329	-100.4312647	376562.5190024227	4349512.13358847	2751.420937398603	2632.29842035408	2563.6714882957	2563.6714882957	68.7969564404836	
722	ix1	96922	104918.85867307335	878197.3170250766	39.28617931479383	-100.428934	376763.5232891458	4349508.15308844	2755.3870244717073	2630.8430616565707	2563.1961454700437	2563.1961454700437	67.6529170866336	67.67738770052913
723	ix1	96923	105578.85867307335	878197.3170250766	39.286172135424369	-100.4269633	376964.5270577136	4349503.71938458	2758.9071702021008	2629.4533221081	2565.7819840433566	2565.7819840433566	68.7969564404836	
724	ix1	96924	106238.85867307335	878197.3170250766	39.28616401105524	-100.4247728	377160.53700725897	4349500.1555547	2769.420937398603	2628.042917979	2564.19309132563	2564.19309132563	68.7969564404836	
725	ix1	96925	106988.85867307335	878197.3170250766	39.28615764165602	-100.4219149	377366.534206585	4349496.246790375	2750.564467770614	2626.700156897391	2565.63511726556	2566.533573099222	61.0626057269528	60.1665378189054
726	ix1	96926	107558.85867307335	878197.3170250766	39.286150327236804	-100.4196112	377567.53700725897	4349492.278	2747.8209252251	2625.35796088003	2560.3255315734077	2561.007303913066	60.5102451695249	60.5102451695249
727	ix1	96927	108218.85867307335	878197.3170250766	39.28614296779769	-100.4172805	377768.5409537815	4349488.309626003	2746.760573598504	2623.86292636201	2555.948422556743	2556.343387836277	60.034841063465	60.6393852537477
728	ix1	96928	108858.85867307335	878197.3170250766	39.2861355633962	-100.4149498	377969.5413420474	4349484.341321422	2729.359917895074	2622.61482927845	2553.61124541128284	2553.61124541128284	68.7969564404836	
729	ix1	96929	109558.85867307335	878197.3170250766	39.28612813859675	-100.4126191	378170.547196637	4349480.372002792	2727.95866939887	2621.512521335336	2553.764427348793	2554.005894657878	67.3032965965555	67.3032965965555
730	ix1	96930	110198.85867307335	878197.3170250766	39.28612061395827	-100.4102884	378371.5501423276	4349475.40649697	2726.510720021008	2619.906474047975	2554.005894657878	2554.005894657878	68.7969564404836	
731	ix1	96931	110858.85867307335	878197.3170250766	39.286113079842174	-100.4078577	378577.552974903	4349472.4325336	2727.95866939887	2618.07797589843	2552.94430319399	2552.94430319399	68.7969564404836	
732	ix1	96932	111518.85867307335	878197.3170250766	39.286105495303616	-100.405627	378773.555686016	4349468.49962525	2708.551632905027	2617.353445481982	2559.371157534723	2560.11132970069	57.98228127258926	57.98228127258926
733	ix1	96933	112178.85867307335	878197.3170250766	39.28609786574524	-100.4032963	378974.558285466	4349464.503	2715.854044	2616.03719305744	2559.270629547113	2560.07548771106	56.83650658	56.83650658
734	ix1	96934	112838.85867307335	878197.3170250766	39.2860909116702	-100.400956	379175.5607070505	4349460.53389589	2712.852774726973	2614.70516006717	2558.46227383918	2558.703129019189	56.01738714832864	56.01738714832864
735	ix1	96935	113498.85867307335	878197.3170250766	39.2860827156996	-100.3986349	379376.631377556	4349456.56938458	2708.551632905027	2613.401901206952	2556.27863302802	2556.27863302802	57.12245841793341	56.833175998014
736	ix1	96936	114158.85867307335	878197.3170250766	39.28607470695117	-100.3963402	379577.656358281	4349452.01857259	2707.91236866657	2612.0793649297	2554.0718190555524	2554.2345222992	58.00171693174737	57.80602697630775
737	ix1	96937	114818.85867307335	878197.3170250766	39.28606704265184	-100.3940278	379777.656358281	4349446.68501427	2706.91236866657	2610.9842917979	2553.19309132563	2553.19309132563	58.00171693174737	57.80602697630775
738	ix1	96938	115478.85867307335	878197.3170250766	39.2860594265184	-100.3917403	379977.656358281	4349442.68501427	2706.91236866657	2610.9842917979	2553.19309132563	2553.19309132563	58.00171693174737	57.80602697630775
739	ix1	96939	116138.858											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SurfElevKgrg.ft	SatHtBoth.ft
81	132	97021	-318141.1413	878857.3170250766	39.28333053008013	-101.922908	247890.8817260843	4325292.366840231	3848.0518059	3547.5186253006495	3576.011745707393	32966647235	71.5068796432563	
82	132	97022	-317481.1413	878857.3170250766	39.28335220812553	-101.9205775	248092.0314148425	4325288.27614603	3848.55740170191161	3582.0727821467953	3574.07206560303	63.723495437576	71.2734865348579	
83	132	97023	-316821.1413	878857.3170250766	39.28336734411669	-101.918452	248293.1243	4325284.18618393	3847.6069847484	3573.16242178157188	3572.9242178157188	70.178432121262	70.178432121262	
84	132	97024	-316161.1413	878857.3170250766	39.28335429172508	-101.915166	248494.24516142072	4325276.061962801	3840.916030821441	3564.9716302893266	3575.257196604815	73.7237397	72.6726848421878	
85	132	97025	-315501.1413	878857.3170250766	39.28341669178761	-101.9135861	248695.36581177903	4325276.061962801	3841.619346671387	3638.7658127300183	3573.25823202748696	65.06780865512173	63.9464026363619	
86	132	97026	-314841.1413	878857.3170250766	39.283438470183434	-101.9112557	248896.48621058124	4325271.6163203	3838.628728537357	3636.543912	3570.159766216144	75.7653041156991	60.6435941566284	
87	132	97027	-314181.1413	878857.3170250766	39.28345992	-101.9098252	249097.60636076052	4325267.827166698	3835.870865316683	3634.302992884095	3567.0325946732127	73.7237397	67.2726134712298	
88	132	97028	-313521.1413	878857.3170250766	39.28348131137644	-101.906947	249298.7262625947	4325263.737890878	3831.3475945816763	3632.0409045673076	3563.765201306704	78.375739348730294	63.6655949297673	
89	132	97029	-312861.1413	878857.3170250766	39.283507491095854	-101.904545	249499.84581630345	4325259.648861931	3828.320265899838	3629.75435357811606	3560.438614274483	78.375739348730294	63.6655949297673	
90	132	97030	-312201.1413	878857.3170250766	39.28352401204155	-101.9015338	249702.965315477	4325251.955912568	3824.75554693022	3627.452403481615	3557.491432842381	73.7237397	63.220773730315	
91	132	97031	-311541.1413	878857.3170250766	39.28354452874565	-101.899033	249902.08497024748	4325251.471200447	3820.294701068315	3625.1265918784266	3556.3773205254578	70.07383621878164	68.279132384464	
92	132	97032	-310881.1413	878857.3170250766	39.28356512684886	-101.8972728	250103.3203893308	4325243.282699493	3814.80611574477824	3622.781675192838	3555.6582815046927	67.123398814537	55.52195902402896	
93	132	97033	-310221.1413	878857.3170250766	39.28357869580244	-101.8949424	250304.3220503068	4325244.394379783	3809.321529887249	3620.781675192838	3554.7941497483716	65.6259146062625	57.8282148290193011	
94	132	97034	-309561.1413	878857.3170250766	39.2836083697277	-101.8926119	250505.4046752685	4325239.282513222	3803.8364604296717	3618.05348660662	3553.7774350832354	55.528475617802957	59.974327856627	
95	132	97035	-308901.1413	878857.3170250766	39.283629926575245	-101.8902814	250760.58836903193	4325235.106214901	3798.461525448015	3615.653952774286	3552.96336883125	62.69681841430343	61.8180920145975	
96	132	97036	-308241.1413	878857.3170250766	39.28365074448406	-101.887659	251007.676571637	4325231.03686903	3793.19527604145	3613.28748012349	3552.0851153463347	65.0202266954046	62.881145615268916	
97	132	97037	-307581.1413	878857.3170250766	39.2836719730456	-101.8852004	251108.7942388234	4325226.943031313	3787.9290167342756	3610.8293490518808	3551.11578	65.0202266954046	64.1876238	
98	132	97038	-306921.1413	878857.3170250766	39.2836915314798	-101.88329	251309.911661607	4325222.856	3782.6627628274055	3608.60540688384	3550.0311611273173	58.54729561069034	59.4592675593178	
99	132	97039	-306261.1413	878857.3170250766	39.2837138478793	-101.8809595	251511.0288442574	4325218.76847393	3782.93413008722	3606.3350408971196	3548.7034601630157	65.0202266954046	60.64885914807746	
100	132	97040	-305601.1413	878857.3170250766	39.28373471579566	-101.878629	251712.1457808923	4325214.861496236	3780.14472383816	3547.1165551040583	3550.54732961939	57.8282148290193011	53.5973273984668	
101	132	97041	-304941.1413	878857.3170250766	39.2837553899976	-101.8762985	251913.2624717677	4325210.5947025134	3774.5525515482307	3602.0552733745674	3544.853119265197	57.8282148290193011	52.687312428254	
102	132	97042	-304281.1413	878857.3170250766	39.28376371639116	-101.873968	252114.3781097027	4325206.580107498	3760.36157815901	3541.9505302191446	3542.39958030654	58.117696812735467	57.6368068886608	
103	132	97043	-303621.1413	878857.3170250766	39.28378162597616	-101.871652	252322.4197816736	4325202.421688933	3753.94787	3537.462849846246	3541.3389230272323	58.117696812735467	57.6368068886608	
104	132	97044	-302961.1413	878857.3170250766	39.28379173693414	-101.869307	252516.6110718975	4325198.334843478	3747.2738197042597	3535.452559501535	3534.4365511035257	59.39426318178506	67.52682143202866	
105	132	97045	-302301.1413	878857.3170250766	39.28383837968585	-101.8669765	252717.72678179428	4325194.2458224	3740.8536988527398	3530.3389254832314	3533.188875158843	62.61426450200226	61.57648146834394	
106	132	97046	-301641.1413	878857.3170250766	39.283858973424256	-101.8646461	252918.8422469548	4325190.163624121	3812.617242033021	3593.1279153825594	3526.261731735017	62.61426450200226	61.57648146834394	
107	132	97047	-300981.1413	878857.3170250766	39.28387953014495	-101.8623156	253119.957467596	4325187.980711781	3812.693998164555	3591.525950329019	3522.4095647115037	62.61426450200226	61.57648146834394	
108	132	97048	-300321.1413	878857.3170250766	39.28390003786128	-101.8599581	253321.07244391306	4325181.99253974	3810.17592618427	3589.94763774719	3518.874502554451	62.61426450200226	61.57648146834394	
109	132	97049	-299661.1413	878857.3170250766	39.283920559975	-101.857658	253522.1871787636	4325175.621989133	3807.65760389131	3587.6526581079787	3516.982625026914	70.85891339685874	70.85891339685874	
110	132	97050	-299001.1413	878857.3170250766	39.2839402790716	-101.8553241	253731.0316440545	4325171.821197185	3795.82145185185	3585.920436935671	3513.9020405702025	73.7237397	63.220773730315	
111	132	97051	-298341.1413	878857.3170250766	39.28396120091644	-101.8529386	253924.415908909	4325169.737207605	3788.266847112283	3585.266847112283	3515.64666669214	63.220773730315	63.220773730315	
112	132	97052	-297681.1413	878857.3170250766	39.283981671854586	-101.850631	254125.5290107877	4325165.65233471	3795.231436709634	3583.70319124006	3515.99548947646	63.220773730315	63.220773730315	
113	132	97053	-297021.1413	878857.3170250766	39.2840019121921	-101.8483326	254326.6437	4325161.56813279	3789.46552550808	3582.523346027	3515.99548947646	63.220773730315	63.220773730315	
114	132	97054	-296361.1413	878857.3170250766	39.28402123850034	-101.8460021	254527.7571825712	4325162.8832211	3783.6591836118074	3580.1959253245084	3515.448995241555	63.220773730315	63.220773730315	
115	132	97055	-295701.1413	878857.3170250766	39.28404233146778	-101.8436716	254748.70454954052	4325153.98718226	3778.93899325495	3579.8287983415848	3515.448995241555	63.220773730315	63.220773730315	
116	132	97056	-295041.1413	878857.3170250766	39.2840624790716	-101.8413411	254929.983553582	4325149.31576288	3773.94787	3577.462849846246	3541.3389230272323	63.220773730315	63.220773730315	
117	132	97057	-294381.1413	878857.3170250766	39.28408259161777	-101.839105	255131.09637017842	4325145.230261487	3772.6802048250865	3575.82996431433	3513.81824336644	63.220773730315	63.220773730315	
118	132	97058	-293721.1413	878857.3170250766	39.2841026324821	-101.83668	255332.2089158786	4325141.148520748	3769.425622700147	3574.31891850868	3512.68831548523	63.220773730315	63.220773730315	
119	132	97059	-293061.1413	878857.3170250766	39.28412265181006	-101.8343495	255533.321261898	4325137.065117072	3762.3643763470235	3572.741428234415	3512.9638046349055	63.220773730315	63.220773730315	
120	132	97060	-292401.1413	878857.3170250766	39.28414262	-101.832019	255734.432773967	4325132.890214665	3760.694488956121	3571.1614273490914	3513.534746308743	63.220773730315	63.220773730315	
121	132	97061	-291741.1413	878857.3170250766	39.28416281848985	-101.8296885	255935.540962722	4325128.9940488	3758.958428258184	3569.57944801652	3514.48225161113	63.220773730315	63.220773730315	
122	132	97062	-291081.1413	878857.3170250766	39.284182419416078	-101.827358	256136.6566736124	4325124.612883975	3756.222695347153	3567.96784693372	3515.87433674875	63.220773730315	63.220773730315	
123	132	97063	-290421.1413	878857.3170250766	39.284202591361676	-101.825007	256358.37910486152	4325116.6520848	3752.186953741413	3565.996185915188	3520.520916034255	63.220773730315	63.220773730315	
124	132	97064	-289761.1413	878857.3170250766	39.284223091361676	-101.822694	256579.8995913603	4325112.56905976	3747.07442163321	3563.239605147594	3522.98716695074	63.220773730315	63.220773730315	
125	132	97065	-289101.1413	878857.3170250766	39.2842417189617	-101.820364	256739.8995913603	4325112.56905976	3747.07442163321	3563.239605147594	3522.98716695074	63.220773730315	63.220773730315	
126	132	97066	-288441.1413	878857.3170250766	39.28426147936156	-101.8180359	256941.1005277836	4325108.40770283	3746.9722839348235	3561.63260488564	3524.470448471255	63.220773730315	63.220773730315	
127	132	97067	-287781.1413	878857.3170250766	39.28428113811821	-101.8157054	257142.21046019374	4325104.40525101	3746.71739088725	3560.4864968046	3521.2841995549684	63.220773730315	63.220773730315	
128	132	97068	-287121.1413	878857.3170250766	39.284300739250156	-101.8133749	257343.3210793637	4325100.33269292	3746.486255078103	3557.463847570823	3517.463847570823	63.220773730315	63.220773730315	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
207	132	97147	-234981.1413	78857.3170250766	39.2857074926314	-01.626296	27320.2802248333	35127.7847783284	3608.791265310012	3390.148990267873	3390.189905981266	376.785265130717	62.2248459560711	82.62936414615615
208	132	97148	-234321.1413	78857.3170250766	39.285723485400174	-01.626294	27343.31718050959	35127.7414114016	3606.9254571130748	3390.23698158414	3390.2549549887961	368.3200684508607	73.52850867030389	73.52850867030389
209	132	97149	-233661.1413	78857.3170250766	39.28573844664037	-01.626298	27362.46316319075	35127.703245	3605.090489691636	3387.749849893272	3390.318148646332	3381.1327629914085	76.81706843694586	76.81706843694586
210	132	97150	-233001.1413	78857.3170250766	39.28575353620371	-01.626292	27383.5542971932	35127.6762300507	3603.19304071130748	3356.95160793415	3390.45092707008	379.760055128123	64.1466356947637	77.14510567
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213	132	97153	-231021.1413	78857.3170250766	39.285802841192364	-01.6152763	27443.62636059723	35127.754082	3600.192488446714	3354.26207510593	3390.725087217933	379.65063060685	65.543194755149	76.6658232179068
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215	132	97155	-229701.1413	78857.3170250766	39.28583444664037	-01.6106151	27483.90625635044	35127.7408129054	3597.498498916136	3352.402741891075	3390.956979864958	3380.7643396452036	65.543194755149	76.6658232179068
216	132	97156	-229041.1413	78857.3170250766	39.28584991442023	-01.608245	27500.0964	35127.7418729256	3595.851477148852	3351.4549483261	3391.006023984958	3381.833274917098	66.344604	76.6658232179068
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218	132	97158	-227721.1413	78857.3170250766	39.285880171500185	-01.6036232	27542.2735206788	35127.758150318	3594.2035468492	3349.54735685429	3390.8189121684736	3383.70749203916	58.7284466818752	65.8166093
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221	132	97161	-225741.1413	78857.3170250766	39.28592746947969	-01.5966313	27604.5420896656	35127.721366	3593.682963275673	3346.7167460321	3391.6562813262745	3382.20478021528	65.06048672804516	64.5120447829487
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251	132	97191	-205941.1413	78857.3170250766	39.2863691656332	-01.5267121	28207.101091127	35127.6348779093	3548.75631203047	3332.75734485125	3391.947048160982			

ix	iy	Xc	Y.rft	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIElevBothKrg	BRIElevBothKrg	SatThLgts.rft	SatThBoth.rft		
332	132	92723	-151821.1413	878857.3170250766	29.28736974361994	-101.3359598	298566.12576396216	34125267.6119073825	3104.868072445574	32.671841793708	3244.617209	3251.5200112377406	22.10463244718767	15.5010555967263
334	132	92724	-151161.1413	878857.3170250766	29.28736974076631	-101.3326351	298767.1907866983	3264.363251784796	3104.139516120483	3243.081898116282	3250.2014485762904	321.3873462197644	14.2182560218672	15.5010555967263
335	132	92725	-145001.1413	878857.3170250766	29.28736974076631	-101.3326351	298858.2546186732	3252.1938980113405	3248.7218624280934	3241.747611890435	3248.7218624280934	3241.747611890435	14.2182560218672	15.5010555967263
336	132	92726	-149841.1413	878857.3170250766	29.287400610159736	-101.3286038	299169.20204513604	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
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359	132	92749	-134661.1413	878857.3170250766	29.287623792612294	-101.2749969	303793.7526754527	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
360	132	92750	-134001.1413	878857.3170250766	29.287632955953005	-101.2726662	303984.8126	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
361	132	92751	-133341.1413	878857.3170250766	29.28764267	-101.2703354	304195.872384664	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
362	132	92752	-132681.1413	878857.3170250766	29.28765114757491	-101.268047	304396.154904069	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
363	132	92753	-132021.1413	878857.3170250766	29.28766017585485	-101.265674	304597.991325762	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
364	132	92754	-131361.1413	878857.3170250766	29.28766915911429	-101.263342	304799.05044974	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
365	132	92755	-130701.1413	878857.3170250766	29.28767803735322	-101.2610125	305000.1094947315	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
366	132	92756	-130041.1413	878857.3170250766	29.287686990571615	-101.2586818	305201.1683	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
367	132	92757	-129381.1413	878857.3170250766	29.28769583876945	-101.256351	305402.228901276	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
368	132	92758	-128721.1413	878857.3170250766	29.28770441934673	-101.2540203	305603.2653496991	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
369	132	92759	-128061.1413	878857.3170250766	29.2877134001033	-101.2516985	305804.345329206	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
370	132	92760	-127401.1413	878857.3170250766	29.287722113239525	-101.249358	306005.4057953084	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
371	132	92761	-126741.1413	878857.3170250766	29.28773078	-101.2470281	306206.4594	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
372	132	92762	-126081.1413	878857.3170250766	29.28773940449844	-101.2446973	306407.5171	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
373	132	92763	-125421.1413	878857.3170250766	29.28774798252406	-101.2423666	306608.57454416074	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
374	132	92764	-124761.1413	878857.3170250766	29.2877565458181	-101.2400358	306809.6193150033	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
375	132	92765	-124101.1413	878857.3170250766	29.28776518396466	-101.2377458	307010.6742909991	3153255.485159106	3408.4084155133743	3259.914181121301	3254.56089784782024	18.39896984782024	14.350091456970778	15.5010555967263
376	132	92766	-123441.1413	878857.31702507										

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatHtLogs.	SatHtLogs.	
459	132	97399	-68661.14133	787857.3170250766	39.288317273081226	-101.0419211	323886.8282332329	4530759.754121978	31.91348253278995	2957.502962065484	2936.441280195532	2926.0136043784914	61.11086011016595	71.5384912805698
460	132	97400	-68660.14133	787857.3170250766	39.28832195430055	-101.0399093	324009.8740722746	4530755.74884147	31.86204609393607	2996.5184785198178	2933.8249170847167	2922.091426373276	62.666841310136	74.42426214654247
461	132	97401	-67441.14133	787857.3170250766	39.28833506509912	-101.0374566	324309.9120203437	4530751.710547983	31.64577086952828	2995.114410368216	2931.409103861714	2921.7282188784514	61.0308673384011	73.7639631688668
462	132	97402	-66681.14133	787857.3170250766	39.28833112694026	-101.0349287	324501.9534060085	4530747.698948765	31.59243323275684	2994.504795697455	2928.1433347208132	2920.754884435261	62.7904709576389	73.7653072590025
463	132	97403	-66621.14133	787857.3170250766	39.28833564784995	-101.032598	324702.9564156696	4530743.680741416	31.592404971191513	2993.6014742524317	2924.8628434410753	2922.462842569687	68.73863801135642	73.09922586724488
464	132	97404	-65361.14133	787857.3170250766	39.28834031	-101.0302672	324904.0365135017	4530739.66276931	31.59168134004176	2992.6935781866146	2921.5794131502495	2919.639478167215	71.114710363908	72.75817363968308
465	132	97405	-64701.14133	787857.3170250766	39.2883456510337	-101.0279364	325105.07652115315	4530735.645181814	31.59066549611354	2991.8513851115103	2920.082895	2919.068405260983	73.78638998102	74.8282645901917
466	132	97406	-64041.14133	787857.3170250766	39.288348966157844	-101.0250656	325306.11271474766	4530731.627984564	31.59047496882127	2990.963877444668	2919.3442412927297	2918.959405260983	75.0471263153827	75.8074718367343
467	132	97407	-6381.14133	787857.3170250766	39.2883530227022	-101.0232746	325507.1573471272	4530729.107561983	31.58914834722726	2990.114410368216	2919.3207129315025	2918.426268986844	75.8372817280788	75.757645745592
468	132	97408	-62711.14133	787857.3170250766	39.28835703320776	-101.0205441	325708.1980983111	4530722.93255575	31.5822207315583	2989.502459389854	2917.728308312475	2910.412526342647	76.5210410845477	76.75372704069309
469	132	97409	-62061.14133	787857.3170250766	39.28836185934499	-101.0186133	325909.2382302329	4530719.57632638	31.5826809510985	2988.5825700492416	2913.375450423356	2910.2162548216	78.201710780806	78.26130920700383
470	132	97410	-61401.14133	787857.3170250766	39.2883667035642	-101.0162825	326106.1728290696	4530715.55980905	31.58333960561616	2987.8427307199097	2914.6864386901375	2909.9862342445113	73.15629833	77.8565027359344
471	132	97411	-61041.14133	787857.3170250766	39.2883702363148	-101.0139517	326311.3181431084	4530711.50420435	31.5837575894826	2987.1325695895043	2914.6415545186936	2910.3273577471273	70.76910941331074	76.8452121
472	132	97412	-60681.14133	787857.3170250766	39.2883734	-101.0116209	326512.3578184723	4530707.52668147	31.58200474724939	2986.451005143724	2918.183108795558	2916.9168251913	68.2679963416623	75.25932218118106
473	132	97413	-60421.14133	787857.3170250766	39.2883783324606	-101.0092901	326713.3973243926	4530703.501947929	31.58127485555024	2985.796966	2919.871844	2913.352683430423	66.9426249864042	72.4439327
474	132	97414	-59761.14133	787857.3170250766	39.288382461416557	-101.0069564	326914.4366107885	4530699.49489968	31.48550929	2985.167474325482	2921.6047105324864	2915.7001061351402	63.6275918346182	69.467381008002
475	132	97415	-58101.14133	787857.3170250766	39.2883865063214	-101.004298	327115.4782872724	4530695.478687598	31.47762824121806	2984.562208548824	2923.196157	2918.1163787192	61.37605172001345	66.0505706790223
476	132	97416	-57441.14133	787857.3170250766	39.28839039093898	-101.0022978	327316.5148275774	4530691.403470591	31.47616138621297	2983.97394628573	2924.436555918635	2920.32173232216	62.591770363945	62.6505706790223
477	132	97417	-56781.14133	787857.3170250766	39.28839428679285	-100.999967	327517.5536775235	4530687.447649556	31.466106143102934	2983.41652801796	2924.5982358566595	2922.934532251734	58.8134371612662	60.5790476617276
478	132	97418	-56121.14133	787857.3170250766	39.28839813762485	-100.9976362	327718.5923153486	4530683.31274849	31.46406746193943	2982.870796382177	2923.5467067722933	2922.652878490192	60.32318663922395	60.1271027202576
479	132	97419	-55461.14133	787857.3170250766	39.28840194343494	-100.9953055	327919.6308131055	4530679.417434548	31.460747430354057	2982.3341423556635	2922.060320024911	2922.728833487302	60.60171223307195	59.60268087792328
480	132	97420	-54801.14133	787857.3170250766	39.28840540724314	-100.9929747	328106.3691386881	4530675.402054476	31.4195348190769	2981.776738667834	2920.34472734342	2920.956665849361	61.4290139149136	58.6800720832709
481	132	97421	-54141.14133	787857.3170250766	39.28840933972689	-100.9906467	328297.702964277	4530671.321638158	31.41413818380323	2981.776738667834	2920.34472734342	2920.956665849361	61.4290139149136	58.6800720832709
482	132	97422	-53451.14133	787857.3170250766	39.28841300733755	-100.9883131	328252.7542855891	4530667.331394707	31.41785552563298	2980.219958978284	2916.514046684585	2914.504202465394	63.7050991982534	60.78953743155025
483	132	97423	-52821.14133	787857.3170250766	39.28841671645617	-100.9859823	328273.7831093587	4530663.359053901	31.417279710607596	2979.182375	2914.682826923817	2914.5192685898813	64.049458446296	62.0580859785984
484	132	97424	-52161.14133	787857.3170250766	39.28842029715669	-100.9836515	328294.2027640423	4530659.344649676	31.413325066	2977.1035829727	2914.829496816327	2911.594247084013	63.28406148131444	65.51931123136195
485	132	97425	-51501.14133	787857.3170250766	39.2884238235235	-100.9813207	329125.8582535756	4530653.31028315	31.413244157033017	2977.04105	2917.566109	2914.829496816327	63.28406148131444	65.51931123136195
486	132	97426	-50841.14133	787857.3170250766	39.28842732491845	-100.97899	329326.8955735783	4530651.329017815	31.41096765552054	2975.973255456275	2920.32317705086	2915.810796737019	65.059194704129	60.16683806806244
487	132	97427	-50181.14133	787857.3170250766	39.28843078538305	-100.9767437	329537.9287332	4530649.33737585	31.41413818380323	2974.824131477778	2920.34472734342	2920.956665849361	61.4290139149136	58.6800720832709
488	132	97428	-49521.14133	787857.3170250766	39.28843429139176	-100.9743284	329738.9417948294	4530647.29491618	31.4179751132376	2973.87938070093	2923.81737980983	2923.81737980983	60.60171223307195	52.3172102815212
489	132	97429	-48861.14133	787857.3170250766	39.28843752532991	-100.9719976	329930.0005	4530639.32721368	31.413689894012585	2972.8442855778962	2924.8048647846753	2921.6603857067284	60.3623873220946	51.18389971167796
490	132	97430	-48201.14133	787857.3170250766	39.2884403858967	-100.9696668	330103.0431989577	4530635.264257472	31.41342681711904	2971.819261978079	2925.433961395836	2920.63409360326	62.3853058384924	51.185166745271
491	132	97431	-47541.14133	787857.3170250766	39.28844410144544	-100.967336	330332.079689923	4530631.25469815	31.4122351082233	2970.803661981963	2925.85779966043	2920.43572509177	64.4586231159201	50.3679038801913
492	132	97432	-46881.14133	787857.3170250766	39.28844732197024	-100.9650052	330533.1160154197	4530629.3348998354	31.41157293977213	2969.796429345657	2923.501408270128	2922.0754002312885	62.4295238021268	47.38946462211469
493	132	97433	-46221.14133	787857.3170250766	39.2884504974741	-100.9626745	330734.2157155329	4530623.28455885	31.42649977698987	2969.796429345657	2923.501408270128	2922.0754002312885	62.4295238021268	47.38946462211469
494	132	97434	-45561.14133	787857.3170250766	39.28845378538305	-100.9603474	330935.1805176057	4530619.214	31.42413818380323	2968.984219320734	2922.060320024911	2922.728833487302	60.60171223307195	52.3172102815212
495	132	97435	-44901.14133	787857.3170250766	39.2884570131263	-100.9580129	331136.22604050423	4530615.202194621	31.4225901623618	2968.81788851895	2923.81737980983	2923.81737980983	60.60171223307195	52.3172102815212
496	132	97436	-44241.14133	787857.3170250766	39.28845973349443	-100.9556821	331337.2596656101	4530611.19034362	31.420655654074	2968.81788851895	2923.81737980983	2923.81737980983	60.60171223307195	52.3172102815212
497	132	97437	-43581.14133	787857.3170250766	39.2884627496242	-100.9533513	331538.2591666515	4530607.178862703	31.41658024504575	2968.4582670517173	2930.975226215925	2922.934532251734	58.8134371612662	60.5790476617276
498	132	97438	-42921.14133	787857.3170250766	39.28846569656964	-100.9510205	331739.3305	4530603.167214335	31.41068134348844	2968.38345933671	2923.2312108658768	2923.3817690326204	61.6522484088425	55.14249073851
499	132	97439	-42261.14133	787857.3170250766	39.28846890502768	-100.9486958	331940.366754802	4530600.9155900354	31.41157293977213	2968.984219320734	2922.060320024911	2922.728833487302	60.60171223307195	52.3172102815212
500	132	97440	-41601.14133	787857.3170250766	39.28847146537767	-100.9463589	332141.4007	4530596.144834915	31.41832416406053	2967.973162654583	2922.934532251734	2922.934532251734	58.8134371612662	60.5790476617276
501	132	97441	-40941.14133	787857.3170250766	39.28847492773416	-100.9440764	332345.9187009074	4530592.0320718	31.42413818380323	2967.973162654583	2922.934532251734	2922.934532251734	58.8134371612662	60.5790476617276
502	132	97442	-40281.14133	787857.3170250766	39.28847875010094	-100.9416764	332543.470398524	4530587.123006045	31.41785552563298	2967.01417292137	2920.34472734342	2920.956665849361	61.4290139149136	58.6800720832709
503	132	97443	-39621.14133	787857.317										

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskg.r	BREIEvBothkg.r	SatHkLogskg.r	SatHkBoth.r	
585	132	97525	14498.85867303351	878857.3170250766	39.28855003910334	-100.7482416	42928.7992375785	4350254.888474707	2940.9487579881907	2680.9698293753168	2778.3308215357715	2784.9218747608496	62.3900783393653	66.0479548911849
586	132	97526	15158.85867303351	878857.3170250766	39.2885409	-100.7459108	3948429.6209165091	4350250.58237859	2938.6343795794114	2848.600435463693	2775.37611488079	2783.93138889846	73.22413217689016	68.48678976
587	132	97527	16218.85867303351	878857.3170250766	39.28854798666476	-100.74358	3948429.6209165091	4350250.58237859	2938.6343795794114	2848.600435463693	2775.37611488079	2783.93138889846	73.22413217689016	68.48678976
588	132	97528	16758.85867303351	878857.3170250766	39.2885469836424	-100.7412492	394831.8639625592	4350242.90194392	2934.497847	2784.740324597692	2775.096105094846	2788.172605131419	68.622608002465	66.422608002465
589	132	97529	17138.85867303351	878857.3170250766	39.28854572274031	-100.7389184	350032.8857175584	4350238.90890734	2932.511667858565	2841.259333858426	2775.32054865360	2779.809702968349	63.878520522276	61.4461289
590	132	97530	17798.85867303351	878857.3170250766	39.2885453109426	-100.7365876	350233.9062733949	4350235.915612643	2930.721935057212	2838.74261947337	2774.4952312136893	2780.62849742547	64.2470307326473	58.11331451979004
591	132	97531	18458.85867303351	878857.3170250766	39.2885432442601	-100.7342568	350434.9272339886	4350232.916202559	2929.7712472347126	2836.19478966451	2772.944051218643	2782.3851548540183	63.2504745726963	53.8096348054291
592	132	97532	19118.85867303351	878857.3170250766	39.28854207123556	-100.7319261	350635.94802948326	4350226.92778016	2930.249190446713	2833.620318110364	2771.133219454455	2783.2111334836562	62.42996164681936	50.48979671571
593	132	97533	19778.85867303351	878857.3170250766	39.28854069912256	-100.7295853	350836.968691462	4350222.934144285	2938.721935057212	2831.022735859836	2769.412417949552	2783.0707568632744	61.8101695244176	48.1608989618176
594	132	97534	20438.85867303351	878857.3170250766	39.28853934212821	-100.727245	351037.982061637	4350218.94069987	2932.25078760998	2828.40532313304	2767.974730406552	2780.541192105076	60.4309717465836	47.77134542028254
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596	132	97536	21758.85867303351	878857.3170250766	39.28853643575217	-100.7226029	351440.0298050751	4350210.9543303	2935.10096292962	2823.130048004647	2766.798180080854	2781.65767297138	57.3618609578865	47.49232726251339
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602	132	97542	25718.85867303351	878857.3170250766	39.2885269119234	-100.7086181	352646.1485158333	4350187	2946.598719211694	2807.182117710698	2775.793325415992	2778.17317795325	31.4719710610671	29.03404980753308
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615	132	97555	34298.85867303351	878857.3170250766	39.28850010774256	-100.6783179	355259.3869184253	4350125.135256389	2942.910543	2774.571643708749	2773.782304128234	2766.10334345654	42.7893395792558	38.46231327418354
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617	132	97557	35618.85867303351	878857.3170250766	39.2884953287712	-100.6736563	355661.4216231272	4350127.14038396	2939.90214717069	2770.5140925211637	2768.966070166692	2768.966070166692	41.544422408471535	41.544422408471535
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619	132	97559	36938.85867303351	878857.3170250766	39.2884903823356	-100.6689437	356053.4559549047	4350118.7635673	2938.1458991981778	2767.3329675452462	2767.3329675452462	2767.3329675452462	40.7290577868076	40.7290577868076
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621	132	97561	38258.85867303351	878857.3170250766	39.2884855908137	-100.6643331	356465.48621057116	4350111.18830053	2938.14589	2765.801152144984	2762.60111495556	2762.60111495556	40.272748	40.272748
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623	132	97563	39578.85867303351	878857.3170250766	39.28847994935105	-100.6596751	356867.5221700072	4350103.212	2924.128957356874	2761.80237657855	2761.2620957873874	2761.2620957873874	42.49028671697621	42.49028671697621
624	132	97564	40238.85867303351	878857.3170250766	39.28847726952368	-100.6573408	357068.5384	4350099.22343195	2923.97765994978	2760.483343465938	2761.75984630235384	2761.75984630235384	42.8848042445514	42.8848042445514
625	132	97565	40898.85867303351	878857.3170250766	39.288474459532566	-100.65501	357269.5545754365	4350095.23689745	2918.066752958715	2759.180425365398	2761.235479303964	2761.235479303964	42.84567578718497	42.84567578718497
626	132	97566	41558.85867303351	878857.3170250766	39.28847164790025	-100.6526792	357470.5705791163	4350091.24523262	2915.038567023462	2758.91968824235	2761.0581865734208	2761.0581865734208	41.7354021785825	41.7354021785825
627	132	97567	42218.85867303351	878857.3170250766	39.28846917250925	-100.6503474	357671.5821942368	4350087.18423636	2912.94873891952	2757.84873891952	2760.92683891952	2760.92683891952	40.6233772687499	40.6233772687499
628	132	97568	42878.85867303351	878857.3170250766	39.28846589	-100.6481676	357872.0021480726	4350083.27487879	2908.24896					

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BR/ElevKgsrg.	BR/ElevKthrg.	SatThrg.	SatThBoth.
711	132	97651	97858.85867307335	787857.3170250766	39.28808083467568	-100.4545631	734566.44737116909	4349752.998124586	2753.4438385212725	2572.9348980239965	24270.79613967599	72.9297369859193	
712	132	97652	9813.85867307335	787857.3170250766	39.28806135036666	-100.4522324	734757.4525725206	43497.48267398791	2772.405293762929	2644.4549725695944	2575.018483737698	2574.651781196202	69.43919137375233
713	132	97653	98973.85867307335	787857.3170250766	39.28805129595054	-100.4498616	734849.5531692178	43497.45351692178	2782.2832701885448	2643.321753847987	2575.18322923740166	69.3142292	55.56958166719104
714	132	97654	96938.85867307335	787857.3170250766	39.28804744668483	-100.4475709	735159.1467	43497.4108493032	2772.1874234960969	2641.5994778548547	2578.3654240661696	2575.35403318924	63.31008113390375
715	132	97655	100208.85867307335	787857.3170250766	39.28804102731207	-100.4452401	735360.4661941865	43497.3114269472	2783.1014224226035	2640.162201432395	2578.795164407078	2579.9442473159024	60.36703702584782
716	132	97656	100958.85867307335	787857.3170250766	39.28803416291465	-100.4420933	735561.1470070074	43497.3123894042	2785.3003177896605	2638.72317896605	2580.6212197070463	2580.95316852405	58.10209992556177
717	132	97657	101618.85867307335	787857.3170250766	39.2880272549944	-100.4405786	735762.4749865802	43497.2125713673	2786.9792251517897	2635.78265486857646	2578.662362385775	2578.9340780501872	58.29444483152128
718	132	97658	102178.85867307335	787857.3170250766	39.28802029906334	-100.4382478	735963.4791538416	43497.2522027328	2787.919255156675	2635.8518630740243	2572.88857253636	2572.87317889177	62.96309204307115
719	132	97659	102638.85867307335	787857.3170250766	39.2880132995054	-100.4359171	736164.5820209253	43497.2123133807	2789.2983291885448	2634.4235371918674	2580.4317813820654	2580.9712807120615	59.93719907120615
720	132	97660	103598.85867307335	787857.3170250766	39.2880025512669	-100.4335983	736365.4871314368	43497.2512	2797.093351647454	2632.226331174712	2591.7695346001826	2591.7695346001826	70.7405322422573
721	132	97661	104258.85867307335	787857.3170250766	39.28799915662676	-100.4312555	736566.4908241803	43497.1329245697	2791.902027146402	2631.5893936852937	2597.8364130874816	2597.8364130874816	73.7335239
722	132	97662	104518.85867307335	787857.3170250766	39.287992031105716	-100.4289248	736767.4946	43497.0925326427	2793.18745300211	2587.2270532007587	2586.74523962821	2586.74523962821	73.4444897387967
723	132	97663	104978.85867307335	787857.3170250766	39.28798485156315	-100.426594	736968.4982085782	43497.033590162	2795.740014244765	2586.3213544176833	2586.8821556153295	2586.8821556153295	73.4444897387967
724	132	97664	106238.85867307335	787857.3170250766	39.28797760020023	-100.4242632	737169.5016646434	43497.033590162	2795.740014244765	2586.3213544176833	2586.8821556153295	2586.8821556153295	73.4444897387967
725	132	97665	106686.85867307335	787857.3170250766	39.28797037415883	-100.4219235	737370.505026946	43496.97148442526	2796.4312349513472	2586.03552514649	2586.9352859281712	2586.9352859281712	73.4444897387967
726	132	97666	107158.85867307335	787857.3170250766	39.287963042810325	-100.4198018	73751.5082253333	43496.8344664072	2797.6204174509812	2584.6698358102	2587.6204174509812	2587.6204174509812	73.4444897387967
727	132	97667	108218.85867307335	787857.3170250766	39.28795568318378	-100.417271	737772.513267646	43496.69480475483	2798.734364651563	2583.734364651563	2584.6698358102	2584.6698358102	73.4444897387967
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729	132	97669	109538.85867307335	787857.3170250766	39.2879408286753	-100.4126095	738174.5178183217	43496.5138128595	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
730	132	97670	110198.85867307335	787857.3170250766	39.2879333417782	-100.4102787	738375.5190340741	43496.57333406	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
731	132	97671	110858.85867307335	787857.3170250766	39.2879257446712	-100.407948	738576.5226972966	43496.630548941	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
732	132	97672	111518.85867307335	787857.3170250766	39.287918209735416	-100.4056172	738775.5250892045	43496.6937760776	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
733	132	97673	112178.85867307335	787857.3170250766	39.28791076953045	-100.403287	738976.530426968	43496.7510791918	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
734	132	97674	112838.85867307335	787857.3170250766	39.2879025020044	-100.4009557	739179.572972209	43496.8170391752	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
735	132	97675	113438.85867307335	787857.3170250766	39.2878951854443	-100.398625	739380.5193579028	43496.8770971275	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
736	132	97676	114158.85867307335	787857.3170250766	39.28788742059886	-100.3962942	739581.534006362	43496.9376839562	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
737	132	97677	114818.85867307335	787857.3170250766	39.2878791076236	-100.3939635	739782.5358467958	43496.98480187801	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
738	132	97678	115478.85867307335	787857.3170250766	39.28787175590494	-100.3916327	739983.5377270708	43496.935626514	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
739	132	97679	116178.85867307335	787857.3170250766	39.287863984953045	-100.389302	740184.538426968	43496.98480187801	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
740	132	97680	116878.85867307335	787857.3170250766	39.28785611127444	-100.386971	740385.5377270708	43496.935626514	2799.77842563497	2584.605073491319	2584.488312890519	2584.488312890519	73.4444897387967
1	133	97681	-370941.1413	789517.3170250766	39.283230360257275	-102.1093728	231804.4573972203	4352821.527608882	3901.57991810364	3804.859157306544	3753.28990073377	3753.115003	51.25795229867271
2	133	97682	-370281.1413	789517.3170250766	39.2832828159187	-102.1070422	232005.5992144241	435281.421596702	3995.561791969696	3904.30170237097	3746.21035406345	3746.21035406345	51.0800234837525
3	133	97683	-369621.1413	789517.3170250766	39.2833316116515	-102.1047118	232206.7405774494	435281.3157768715	3990.654062362353	3801.9931909697652	3745.2185432001356	3745.2185432001356	51.7746747692691
4	133	97684	-368961.1413	789517.3170250766	39.28333571	-102.1023814	232407.8820513894	435280.91	3986.656973218	3800.54919581403	3745.197516338983	3745.197516338983	51.9610347066477
5	133	97685	-368301.1413	789517.3170250766	39.2833368015982	-102.100051	232608.02937156386	435280.704173348	3985.059894	3799.699584196343	3745.2185432001356	3745.2185432001356	51.9610347066477
6	133	97686	-367641.1413	789517.3170250766	39.28333894953045	-102.0977708	232810.1639247258	435280.5982096172	3977.64207369674	3791.67430395672	3744.97430395672	3744.97430395672	51.9610347066477
7	133	97687	-366981.1413	789517.3170250766	39.28334140013586	-102.0953902	233011.3043163207	435280.4964791771	3975.60502708986	3786.178777047344	3743.91037375311	3743.91037375311	51.9610347066477
8	133	97688	-366321.1413	789517.3170250766	39.28334013593934	-102.0930598	233212.4445413817	435279.79585317	3972.25342897505	3794.704602	3738.2110551902056	3738.2110551902056	51.9610347066477
9	133	97689	-365661.1413	789517.3170250766	39.28334369760538	-102.0907294	233413.5845	435279.684809801	3968.8416973582	3793.7416973582	3735.666719340958	3735.666719340958	51.9610347066477
10	133	97690	-365001.1413	789517.3170250766	39.283348889750496	-102.088399	233614.714975708	435279.5841051405	3965.43644327149	3791.791533425464	3732.410663790534	3732.410663790534	51.9610347066477
11	133	97691	-364341.1413	789517.3170250766	39.28335177195116	-102.0860685	233813.863923658	435279.4784131426	3963.729077088126	3790.2072978104	3729.68025259344	3729.68025259344	51.9610347066477
12	133	97692	-363681.1413	789517.3170250766	39.28335601384436	-102.083781	234017.0027966718	435279.376303939	3963.74785263657	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
13	133	97693	-363021.1413	789517.3170250766	39.2833581251985	-102.081513	234219.280346923	435279.2681443292	3963.74785263657	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
14	133	97694	-362361.1413	789517.3170250766	39.2833581251985	-102.0790773	234419.280346923	435279.2681443292	3963.74785263657	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
15	133	97695	-361701.1413	789517.3170250766	39.283361281962185	-102.0767469	234620.81478176317	435279.160918607	3963.74785263657	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
16	133	97696	-361041.1413	789517.3170250766	39.283361281962185	-102.0744165	234821.5568319205	435279.05793092	3971.206196240375	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
17	133	97697	-360381.1413	789517.3170250766	39.28336207339424	-102.072086	235022.694817456	435279.05793092	3971.206196240375	3788.181328424038	3725.663770841106	3725.663770841106	51.9610347066477
18	133	97698	-359721.1413	78951									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	BREIElevKgr.ft	SurfElev.ft	SurfElev.ft
97	133	9777	-307581.1413	879517.3170250766	39.28548548564587	-101.8856474	251112.88888113236	435248.225	3786.9120372292773	381.2072513584845	3549.3348410946755	3549.268014173254	381.87241026	61.939327189159	18.7159158159
98	133	9778	-306821.1413	879517.3170250766	39.2855504402284	-101.8833169	251314.062104354	435244.21	3791.597446982624	3608.39830350689	3548.30373725505	3548.6083511784067	60.6367928	60.2740165662327	18.7159158159
99	133	9779	-306261.1413	879517.3170250766	39.28563264738371	-101.8809863	251515.123193745	435239.26	3794.174847972118	3530.34819380476	3548.913365144275	3548.9635454	59.11282254135	59.04165170892	18.7159158159
100	133	9780	-305601.1413	879517.3170250766	39.2857432573442	-101.8786558	251617.2393075616	435215.96	3783.5403491970134	3570.95009932161	3545.1092028114826	3548.6026031418064	59.46900518780894	59.5764005148522	18.7159158159
101	133	9781	-304841.1413	879517.3170250766	39.28586814906882	-101.8763252	251917.3564221864	435211.87	3785.6213624219093	3562.518822143836	3542.9117455421583	3547.503634015247	59.6070826722256	59.5105187801761	18.7159158159
102	133	9782	-304021.1413	879517.3170250766	39.2859727329822	-101.8739947	252118.1742666096	435211.87	3789.671346480404	3600.552548	3540.363320510743	3547.6177303515874	59.1892162948577	59.8804527002685	18.7159158159
103	133	9783	-303621.1413	879517.3170250766	39.2860960695222	-101.8716642	252319.5886680152	435203.70	3793.797379969863	3598.6740677600023	3537.2196889492902	3542.393466758258	61.454378810712115	58.2860101744344	18.7159158159
104	133	9784	-30261.1413	879517.3170250766	39.2865034898961	-101.869336	252520.7044041603	435219.61	3798.983997577485	3596.474853345775	3533.8261682525044	3538.491783782752	61.400728207061	58.3504254929979	18.7159158159
105	133	9785	-30201.1413	879517.3170250766	39.2865922245666	-101.8670301	252721.9189449682	435239.26	3794.174847972118	3596.474853345775	3533.8261682525044	3538.491783782752	61.400728207061	58.3504254929979	18.7159158159
106	133	9786	-301641.1413	879517.3170250766	39.2867159052719	-101.8646725	252922.9332002438	435239.44	3800.357233351238	3593.459526372945	3526.950784473003	3526.3394586011189	60.5611604241157	61.1774939617583	18.7159158159
107	133	9787	-300881.1413	879517.3170250766	39.28686214377571	-101.862342	253124.05022146986	435239.26	3793.797379969863	3591.0882838004	3523.871916343708	3522.2431012477996	61.99005649069613	61.56577159020435	18.7159158159
108	133	9788	-300321.1413	879517.3170250766	39.2871265200974	-101.8600114	253325.1649983233	435233.72	3809.156936497831	3590.188006144808	3521.100175890922	3520.822678844791	61.987032941889	61.987032941889	18.7159158159
109	133	9789	-299661.1413	879517.3170250766	39.2873311522927	-101.8578088	253526.27963118007	435239.73	3807.359177899863	3588.584749148006	3518.992573438717	3517.388202987592	61.987032941889	61.987032941889	18.7159158159
110	133	9790	-299001.1413	879517.3170250766	39.287533343426	-101.8553053	253727.3932080926	435235.71	3805.525214499926	3586.022544447173	3517.630768	3523.583727773384	61.987032941889	61.987032941889	18.7159158159
111	133	9791	-298341.1413	879517.3170250766	39.28773936626855	-101.8530917	253928.5076852911	435235.71	3805.525214499926	3586.022544447173	3517.630768	3523.583727773384	61.987032941889	61.987032941889	18.7159158159
112	133	9792	-297681.1413	879517.3170250766	39.2879423480043	-101.850892	254129.6217	435236.36	3798.05728905539	3583.8240273893047	3515.4869032022963	3535.402198405193	61.987032941889	61.987032941889	18.7159158159
113	133	9793	-297021.1413	879517.3170250766	39.2881451796153	-101.8483586	254330.73252541986	435236.36	3790.359260575887	3582.243467	3514.928629394302	3520.012753693636	61.987032941889	61.987032941889	18.7159158159
114	133	9794	-296361.1413	879517.3170250766	39.2883457610793	-101.8460281	254531.8485540738	435236.36	3794.174847972118	3580.61784	3513.2482033582046	3509.5266096358	61.987032941889	61.987032941889	18.7159158159
115	133	9795	-295701.1413	879517.3170250766	39.2885454923959	-101.8436975	254732.96163127192	435236.36	3780.18931326594	3579.078723679634	3512.682403243656	3507.391468023685	61.987032941889	61.987032941889	18.7159158159
116	133	9796	-295041.1413	879517.3170250766	39.288751	-101.841369	254934.074443005	435235.94	3776.943994353015	3577.9443979091026	3511.730410937167	3496.346710586775	61.987032941889	61.987032941889	18.7159158159
117	133	9797	-294381.1413	879517.3170250766	39.28895020468524	-101.8390364	255135.1871300076	435236.36	3779.69484879423	3577.9443979091026	3511.730410937167	3496.346710586775	61.987032941889	61.987032941889	18.7159158159
118	133	9798	-293721.1413	879517.3170250766	39.289152585571	-101.8367058	255336.2994753622	435236.36	3770.45295554085	3574.351044185098	3511.090071753464	3493.21064521173	61.987032941889	61.987032941889	18.7159158159
119	133	9799	-293061.1413	879517.3170250766	39.28935407446833	-101.8343754	255537.4248444948	435236.36	3768.2248444948	3570.45295554085	3511.090071753464	3493.21064521173	61.987032941889	61.987032941889	18.7159158159
120	133	9800	-292401.1413	879517.3170250766	39.2895552396536	-101.8320047	255738.5234395103	435236.36	3766.227501784545	3571.121630437656	3511.683163915963	3493.21064521173	61.987032941889	61.987032941889	18.7159158159
121	133	9801	-291741.1413	879517.3170250766	39.28975516227775	-101.8297141	255939.6350950246	435236.36	3764.1867158906	3569.52115247231	3512.561259466033	3493.21064521173	61.987032941889	61.987032941889	18.7159158159
122	133	9802	-291081.1413	879517.3170250766	39.2899504075512	-101.8273835	256140.7464370928	435236.36	3763.214072406186	3567.9187624581186	3513.899505503053	3504.219620404328	61.987032941889	61.987032941889	18.7159158159
123	133	9803	-290421.1413	879517.3170250766	39.289801487376456	-101.8250529	256341.8573749242	435236.36	3762.97427319729	3565.31732852807	3515.7624045792835	3510.817380265604	61.987032941889	61.987032941889	18.7159158159
124	133	9804	-289761.1413	879517.3170250766	39.289603461764724	-101.8227224	256542.964697282	435237.19	3764.09779796963	3564.705485487564	3516.63301791426	3515.693403118385	61.987032941889	61.987032941889	18.7159158159
125	133	9805	-289101.1413	879517.3170250766	39.289403461764724	-101.8203818	256744.709770706	435237.19	3763.214072406186	3563.969769781444	3516.63301791426	3515.693403118385	61.987032941889	61.987032941889	18.7159158159
126	133	9806	-288441.1413	879517.3170250766	39.28921071027138	-101.8181624	256945.198529066	435237.19	3762.97427319729	3562.97427319729	3516.63301791426	3515.693403118385	61.987032941889	61.987032941889	18.7159158159
127	133	9807	-287781.1413	879517.3170250766	39.2890035566561	-101.8157306	257146.2997310133	435236.36	3760.359260575887	3559.8778011782283	3520.2751763411993	3517.6177828334	61.987032941889	61.987032941889	18.7159158159
128	133	9808	-287121.1413	879517.3170250766	39.28911336302134	-101.8134001	257347.4064867509	435237.19	3762.350640717599	3558.26940517599	3516.650247782883	3517.6177828334	61.987032941889	61.987032941889	18.7159158159
129	133	9809	-286461.1413	879517.3170250766	39.28913292652341	-101.8110695	257548.519424035	435229.51	3759.31727855103	3556.630456239867	3512.342309	3515.598795975293	61.987032941889	61.987032941889	18.7159158159
130	133	9810	-285801.1413	879517.3170250766	39.28912544442939	-101.8087389	257749.6297944235	435229.51	3758.27947381873	3555.058494705197	3508.383957712774	3514.4857697224552	61.987032941889	61.987032941889	18.7159158159
131	133	9811	-285141.1413	879517.3170250766	39.28911731202026	-101.806483	257950.7380087682	435229.51	3757.1591960552	3553.46703385984	3505.220479398463	3514.504691324701	61.987032941889	61.987032941889	18.7159158159
132	133	9812	-284481.1413	879517.3170250766	39.28911731202026	-101.8040777	258151.846987381	435229.51	3756.227501784545	3551.187812481924	3502.72769321915	3512.342309	61.987032941889	61.987032941889	18.7159158159
133	133	9813	-283821.1413	879517.3170250766	39.28921071027138	-101.8017471	258352.9557195044	435236.36	3754.035574259174	3550.2677258157203	3498.7620411430485	3511.0211702778	61.987032941889	61.987032941889	18.7159158159
134	133	9814	-283161.1413	879517.3170250766	39.2892306589946	-101.7994166	258554.0642163051	435237.19	3754.765574804514	3548.6709767257166	3499.0157505090243	3512.342309	61.987032941889	61.987032941889	18.7159158159
135	133	9815	-282501.1413	879517.3170250766	39.2892306589946	-101.797086	258755.1724743334	435237.19	3744.8811204625053	3547.08290486013	3481.1610247185017	3497.687107253087	61.987032941889	61.987032941889	18.7159158159
136	133	9816	-281841.1413	879517.3170250766	39.2892306589946	-101.7947554	258956.28049379724	435229.51	3743.442184509354	3545.489891285534	3472.671107669770	3499.0157505090243	61.987032941889	61.987032941889	18.7159158159
137	133	9817	-281181.1413	879517.3170250766	39.2892306589946	-101.7924428	259157.3827490102	435236.36	3742.671107669770	3543.919191226492	3494.610807315988	3496.197705512504	61.987032941889	61.987032941889	18.7159158159
138	133	9818	-280521.1413	879517.3170250766	39.2892306589946	-101.790042	259358.4987174898	435229.51	3740.5429369496	3542.34513140417	3495.5746633739	3496.197705512504	61.987032941889	61.987032941889	18.7159158159
139	133	9819	-279861.1413	879517.3170250766	39.2892306589946	-101.787543	259570.7019009098	435236.36	3738.40702983617	3539.232371517473	3494.00518	3497.687107253087	61.987032941889	61.987032941889	18.7159158159

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogKgr.ft	BRElevBothKgr.ft	SaHtHsLogKgr.ft	SaHtBoth.ft
223	ix 97903	-224421.1413		879517.13170250766	39.28777084293935	-101.59189898	276451.78840702565	4531914.692009571	3582.7953796230445	3344.369587882481	3388.5010722139923	3381.9127276757846	55.8881566848726	62.45731171
224	ix 97904	-222761.1413		879517.13170250766	39.287776613	-101.5986591	276652.6762997567	4531910.628461402	3578.800548570626	3443.483505408713	3389.0183291491373	3383.8827485179533	54.46547626714937	59.601055891198484
225	ix 97905	-222191.1413		879517.13170250766	39.28780137054081	-101.5873244	276853.6369009365	4531908.56810713	3574.821780412187	3442.619221581737	3389.043026989878	3395.918178055591	53.9187296200398	56.8779296200398
226	ix 97906	-222441.1413		879517.13170250766	39.287816566824645	-101.5849977	277055.0513	4531902.50104117	3570.834994307689	3441.7297023172621	3391.0572003090343	3387.2602132172657	50.7157456184562	54.5095254
227	ix 97907	-222171.1413		879517.13170250766	39.28783171808278	-101.582667	277256.138467448	4531884.348971206	3568.08449674978304	3440.944828335974	3392.0428608814964	3388.645683316463	48.90556805210099	52.09887830195112
228	ix 97908	-221211.1413		879517.13170250766	39.287842342238	-101.5803363	277457.2254170274	4531874.381787171	3567.023705583816	3440.14419787067	3393.485682530733	3390.46756748102	49.67685213896493	49.67685213896493
229	ix 97909	-220461.1413		879517.13170250766	39.287861885543435	-101.5780056	277658.31247131055	4531860.31396809	3564.25137547083	3439.360866373236	3394.843861447172	3392.182124	47.17610492606146	47.17610492606146
230	ix 97910	-219801.1413		879517.13170250766	39.28787691745896	-101.5757675	277859.35869726024	4531886.21195309	3562.414952375884	3439.597692321987	3396.513812540276	3394.0186991230826	42.03387978171095	44.5758932
231	ix 97911	-219141.1413		879517.13170250766	39.2878917252973	-101.5733443	278060.4946	4531882.198	3560.3299696589207	3437.854711556225	3398.129686989587	3395.9343870283824	39.72625079566571	41.82032453040212
232	ix 97912	-218481.1413		879517.13170250766	39.2879067900494	-101.5710136	278251.5710223039	4531876.1296366	3557.85397575793	3437.13165157479	3399.646055029673	3397.750734838966	37.485596417911178	39.3755704108264
233	ix 97913	-217821.1413		879517.13170250766	39.287921680241475	-101.5686829	278462.568678974	4531874.05313508	3556.20890926556	3436.432100154488	3400.5770711447913	3399.8017856789	35.85502093969684	37.35192158589924
234	ix 97914	-217161.1413		879517.13170250766	39.2879365136928	-101.5663522	278663.7425127577	4531870.003	3553.301806903576	3435.75970621763	3400.393551	3399.4793941377	35.36435064255034	36.5377629687994
235	ix 97915	-216501.1413		879517.13170250766	39.2879513074389	-101.5640215	278864.8279302297	4531865.02404483	3551.598215154893	3435.1082437186624	3399.0410350534196	3406.211896241855	36.00720683242825	28.89634715476887
236	ix 97916	-215841.1413		879517.13170250766	39.2879606356872	-101.5616908	279065.9131297412	4531861.881	3550.3513673295203	3434.482082168129	3397.0286291645248	3404.60126888632	37.4552530036041	29.8801327949703
237	ix 97917	-215181.1413		879517.13170250766	39.28796875440027	-101.5593901	279266.9681114812	453185917917132	3548.474155325913	3433.878162355374	3394.9598767376564	3399.6256778874402	35.83806476872295	35.83806476872295
238	ix 97918	-214521.1413		879517.13170250766	39.2879841069302	-101.5570294	279468.0628754659	4531853.75883904	3548.4121269015523	3433.294052913975	3392.815446	3393.8157501122507	40.47806907450551	39.120280171585
239	ix 97919	-213861.1413		879517.13170250766	39.28800217226526	-101.5546897	279669.1674220864	4531849.69815195	3546.7921092448043	3432.730576560656	3391.051451	3392.2640704009393	41.67912576375984	40.46650581971866
240	ix 97920	-213201.1413		879517.13170250766	39.288025477741944	-101.552368	279870.2517514889	4531845.638	3544.61412321127	3432.1803603752824	3389.349798353155	3393.45772278334	42.83056202	40.4208135
241	ix 97921	-212541.1413		879517.13170250766	39.28803918073808	-101.5500373	280071.3366367387	4531841.57737209	3542.436958747	3431.63887858913195	3387.80395221541	3394.37455314926	43.8304860977835	41.2013227453968
242	ix 97922	-211881.1413		879517.13170250766	39.28805358	-101.5477066	280272.4197594565	4531830.571230682	3540.254805686983	3431.015545181	3386.652452422402	3389.415725514616	44.0491022787918	41.68528392633618
243	ix 97923	-211221.1413		879517.13170250766	39.2880681567356	-101.5453759	280473.304383317	4531833.457	3537.77393406046	3430.56858733297	3388.3649193580437	3388.3649193580437	45.31669215	42.22950096
244	ix 97924	-210561.1413		879517.13170250766	39.288082461612628	-101.5430452	280674.5869010081	4531830.571230682	3534.963365157124	3430.2606055457464	3388.3733643	3388.93222	46.2931627106466	43.09448502826205
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246	ix 97926	-209241.1413		879517.13170250766	39.28811103844146	-101.5383838	281076.7337274225	4531821.27966138	3529.400133240627	3428.9130984362873	3390.431874079705	3387.221679040564	48.4412372505087	36.941149313005
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251	ix 97931	-205941.1413		879517.13170250766	39.28818184286114	-101.5267302	282062.1651970722	4531803.96476491	3519.758089585052	3425.4825816280726	3394.378663763671	3395.368288274433	61.0381749720167	31.6381749720167
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256	ix 97936	-202641.1413		879517.13170250766	39.28825152140095	-101.5150766	283067.5717474731	4531780.6953217	3511.6551583189944	3420.487524431974	3393.828797777454	3393.508246023862	66.2229654674334	56.5405098811124
257	ix 97937	-201981.1413		879517.13170250766	39.288265322091038	-101.5127495	283288.6525153586	4531776.63820495	3510.204557057165	3418.894148171409	3392.745136875824	3390.7617859405	65.94901155	57.94898738800391
258	ix 97938	-201321.1413		879517.13170250766	39.28827917813786	-101.5104152	283499.732870777	4531772.81249832	3508.75381392439	3417.2720748740306	3391.29143404308	3390.7617859405	66.2229654674334	56.5405098811124
259	ix 97939	-200661.1413		879517.13170250766	39.28829278841315	-101.5080485	283728278841315	4531768.52367611	3506.163621320497	3415.759802147096	3390.9556466531	3391.07117584986	68.36313788153464	58.69464138865721
260	ix 97940	-200001.1413		879517.13170250766	39.28830645045106	-101.5057538	283981.93139395	4531764.46767631	3502.4378508524239	3414.2766217106437	3391.27786995612	3390.9556466531	64.50375175452245	58.6366570638907
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264	ix 97944	-197361.1413		879517.13170250766	39.2883506657823	-101.4964309	284696.2112475575	4531748.242814444	3489.477191080127	3408.754860979508	3392.571598	3394.53484791747	55.25718120700816	57.94898738800391
265	ix 97945	-196701.1413		879517.13170250766	39.28836363429686	-101.494168	284897.309032964	4531744.1978456296	3487.81878456296	3407.81878456296	3391.6116589	3393.91824500099	58.62559274713734	55.95346277
266	ix 97946	-196041.1413		879517.13170250766	39.2883768241783	-101.491794	285098.3688	4531740.132	3484.618185565596	3404.1627769070344	3390.9556466531	3391.07117584986	68.36313788153464	58.69464138865721
267	ix 97947	-195381.1413		879517.13170250766	39.28840082523246	-101.4894387	285299.4473861136	4531736.071605912	3481.6049038					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Ln.	BREIValueKgr.f	BREIValueKgr.f	BREIValueKgr.f	SurfBothKgr.f	SurfBothKgr.f
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350	133	98030	-140601.1413	879517.3170250766	38.28935020344971	-101.2956986	301888.2488230824	43154004.135511226	3730.020814	3227.332750877451	3203.717667326373	3211.857685815767	23.615404095083704	17.4188022958742428	
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352	133	98032	-139281.1413	879517.3170250766	38.28937100956472	-101.2913243	302390.3171548046	4315392.0408183635	3372.9700317386078	3227.4119577742326	3217.0326264561987	3211.857685815767	23.615404095083704	17.4188022958742428	
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355	133	98035	-137301.1413	879517.3170250766	38.2893939037750134	-101.2843319	302993.55448430226	4315379.48390494	3365.86538101974	3214.9268336381793	3188.042628904563	3196.89820923989	26.88420333717138	10.8266240818443	
356	133	98036	-136641.1413	879517.3170250766	38.28940870747321	-101.2820011	303194.614973456	4315379.90926885	3363.397286710273	3212.404591320545	3185.0927255277884	3193.97198537189	27.21036360426606	18.4350319407652	
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371	133	98051	-126741.1413	879517.3170250766	38.289543065841	-101.246978	306204.4967444297	4315315.4532552574	3339.45315542365	3174.64234652928	3148.077541765239	3149.16574468054516	29.217600177073	25.064505184029	
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382	133	98062	-119481.1413	879517.3170250766	38.28963587332024	-101.2214004	308422.1458171343	4315271.963760374	3322.119777135	3146.78333131585	3117.004428323568	3118.183362058807	29.34045348271945	28.505014132570424	
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386	133	98066	-116841.1413	879517.3170250766	38.28966811548309	-101.2120771	309226.3418734346	4315254.844096306	3317.90730955132	3136.603226677093	3104.5094313344975	3105.060122279871	29.068991333211715	31.546200387923636	
387	133	98067	-116181.1413	879517.3170250766	38.28967636469564	-101.2097463	309427.3960318824	4315250.812	3316.638676	3134.053447274102	3101.009404477273	3101.351172655037	29.0480626682916	32.37824746969554	
388	133	98068	-115521.1413	879517.3170250766	38.28968367	-101.2074155	309628.504604797	4315246.77909687	3315.48083795961	3131.487329126282	3104.54223435544	3097.50921134975	29.04106678217356	32.73781177657013	
389	133	98069	-114861.1413	879517.3170250766	38.28969182437517	-101.2050847	309829.505023167	4315242.74885241	3314.323000172995	3128.908722201117	3094.1026081571167	3093.8878777392	29.0450664299502	34.92933541271954	
390	133	98070	-114201.1413	879517.3170250766	38.28969964	-101.2027359	310030.5925772015	4315238.714860033	3312.516529487576	3126.315669	3101.7129349556	3091.11963512819	29.04129494084254	35.19530415846845	
391	133	98071	-113541.1413	879517.3170250766	38.289707619255	-101.1964385	310247.816981453	4315234.22686594	3310.727001325688	3124.62342268654	3100.42981197713	3098.7283246834	29.0450664299502	34.92933541271954	
392	133	98072	-112881.1413	879517.3170250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BR.ElevLogsKrg.ft	BR.ElevBothKrg.ft	Surf.HtLogsKrg.ft	Surf.HtBothKrg.ft
473	183	98155	-1801.14133	879517.3170250766	39.29019917846595	-101.0046337	327119.49568534075	4350886.683512973	150.2961669685157	298.1039995825377	2928.126558909922	2925.382928	54.783436991614564	59.72107207511772
476	183	98156	-1801.14133	879517.3170250766	39.290203119442076	-101.0023262	327320.53404035648	4350882.667731771	114.6211009251044	2984.529575280806	2928.820953949956	2928.904749454912	54.70862530989596	55.6250982589381
477	183	98157	-1801.14133	879517.3170250766	39.2902094562979	-100.999972	327521.5730937555	4350884.625541722	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
478	183	98158	-1801.14133	879517.3170250766	39.290210866325246	-100.9976412	327722.6115587484	4350882.6673734949	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
479	183	98159	-1801.14133	879517.3170250766	39.29021467223228	-100.9953103	327923.648655534	4350880.621519312	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
480	183	98160	-1801.14133	879517.3170250766	39.29021843311625	-100.9929795	328124.6878432057	4350876.606492187	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
481	183	98161	-1801.14133	879517.3170250766	39.29022214897116	-100.9906486	328325.7254513195	4350872.59165341	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
482	183	98162	-1801.14133	879517.3170250766	39.2902251981501	-100.9883178	328526.763778139	4350868.570339005	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
483	183	98163	-1801.14133	879517.3170250766	39.2902294562979	-100.9859859	328727.613647305	4350864.525541722	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
484	183	98164	-1801.14133	879517.3170250766	39.29023365214175	-100.9836561	328928.638623567	4350860.54269522	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
485	183	98165	-1801.14133	879517.3170250766	39.290235652190074	-100.9813253	329129.8761154233	4350856.53418768	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
486	183	98166	-1801.14133	879517.3170250766	39.29024005	-100.9789944	329330.3132405217	4350852.520287507	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
487	183	98167	-1801.14133	879517.3170250766	39.2902434985801	-100.9766636	329531.9501990486	4350848.506579672	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
488	183	98168	-1801.14133	879517.3170250766	39.29024689357314	-100.9743327	329732.98699121503	4350844.493602771	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
489	183	98169	-1801.14133	879517.3170250766	39.29025025503352	-100.9720019	329934.0283712272	4350840.479293125	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
490	183	98170	-1801.14133	879517.3170250766	39.2902536568659	-100.969671	330135.060772889	4350836.46586767	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
491	183	98171	-1801.14133	879517.3170250766	39.2902568311654	-100.9673402	330338.0963716052	4350832.45336328	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
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493	183	98173	-1801.14133	879517.3170250766	39.2902632755073	-100.9626785	330738.166838214	4350824.428	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
494	183	98174	-1801.14133	879517.3170250766	39.29026635806756	-100.9603477	330939.2042621325	4350820.415900639	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
495	183	98175	-1801.14133	879517.3170250766	39.29026946404956	-100.9580168	331140.2398551817	4350816.463700081	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
496	183	98176	-1801.14133	879517.3170250766	39.290272464119164	-100.955686	331340.275634127	4350812.392	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
497	183	98177	-1801.14133	879517.3170250766	39.290275464119164	-100.9533571	331540.3154845576	4350808.378694352	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
498	183	98178	-1801.14133	879517.3170250766	39.29027843007815	-100.9510243	331740.3458017167	4350804.362385916	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
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500	183	98180	-1801.14133	879517.3170250766	39.29028419594416	-100.9463626	332145.415957381	4350796.34522688	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
501	183	98181	-1801.14133	879517.3170250766	39.290287011342784	-100.9440317	332346.4502	4350792.33445223	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
502	183	98182	-1801.14133	879517.3170250766	39.29028978171933	-100.9417009	332547.484824527	4350788.32368108	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
503	183	98183	-1801.14133	879517.3170250766	39.29029250707127	-100.9393741	332748.519481485	4350784.31874296	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
504	183	98184	-1801.14133	879517.3170250766	39.2902952309507	-100.9370392	332949.568174675	4350778.2338778	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
505	183	98185	-1801.14133	879517.3170250766	39.29029782270561	-100.9347804	333150.5870334985	4350772.20251558	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
506	183	98186	-1801.14133	879517.3170250766	39.29030041298795	-100.9323775	333351.621136233	4350772.282	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
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509	183	98189	-1801.14133	879517.3170250766	39.29030791959567	-100.925385	333954.721660495	4350760.253	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
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512	183	98192	-1801.14133	879517.3170250766	39.2903150019433	-100.9183924	334557.8207280234	4350748.25102647	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
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515	183	98195	-1801.14133	879517.3170250766	39.29032169483826	-100.9113999	335160.918344636	4350736.19923786	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
516	183	98196	-1801.14133	879517.3170250766	39.29032385938305	-100.909049	335361.95066176145	4350732.191	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
517	183	98197	-1801.14133	879517.3170250766	39.2903261546665	-100.906781	335563.0115153112	4350728.17505894	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603	53.24315192989603
518	183	98198	-1801.14133	879517.3170250766	39.2903284563309	-100.9044073	335764.105153112	4350724.17505894	314.849661081249	2983.972540908383	2930.184772987614	2930.7343881446982	53.24315192989603</	

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BREIEvLogskrg.f	BREIEvBothrk.f	SevNetBothrk.f	SatBothrk.f
901	ix3281	25058.8586730335	879517.3170250766	39.29034118354382	-107.109467	352449.1238813547	4530392.177022806	2948.9053714062106	2772.0436630422996	36.99923385651664	34.54061471723375	
902	ix3282	25115.8586730335	879517.3170250766	39.290339451587684	-100.708619	352650.14305118025	4530388.1842939178	2952.0074010525826	2806.378987163574	37.05033363766505	37.05033363766505	34.0312025618904
903	ix3283	25378.8586730335	879517.3170250766	39.29033674690274	-100.708285	352851.1627845534	4530384.19324813	2953.7810271912989	2803.7268894388959	37.0432614183514	35.68933538911124	
904	ix3284	27038.8586730335	879517.3170250766	39.29033582605558	-100.703642	353082.180064511	4530390.231071002	2955.136232179359	2760.409313391665	37.06243545218865	38.68677780720041	38.65762642349096
905	ix3285	27698.8586730335	879517.3170250766	39.2903338655799	-100.7016233	353253.1990771902	4530376.2697768355	2956.52140653197	2798.476888502508	37.05165025046822	37.05165025046822	39.04407942605175
906	ix3286	28358.8586730335	879517.3170250766	39.29032730353033	-100.6992255	353454.2183076886	4530372.21843004	2957.90439653120786	2795.825915636726	37.050486154591924	37.050486154591924	39.540771389195
907	ix3287	29018.8586730335	879517.3170250766	39.290330312	-100.6969616	353655.2367262104	4530368.227728603	2958.192657824095	2793.312492516125	37.04748948327232	37.04748948327232	39.540771389195
908	ix3288	29618.8586730335	879517.3170250766	39.29032811436201	-100.6946308	353856.2550696213	4530364.236312601	2957.379457490631	2790.78222654734	37.04387111362011	37.04387111362011	39.540771389195
909	ix3289	30338.8586730335	879517.3170250766	39.29032667242958	-100.6929998	354057.2732581481	4530360.248530005	2958.5625817940123	2788.2478136827319	37.0401100479678	37.0401100479678	39.540771389195
910	ix3290	30998.8586730335	879517.3170250766	39.29032397510005	-100.689691	354258.291	4530356.25439377	2955.753048717793	2785.75296358565	37.037850201	37.037850201	39.540771389195
911	ix3291	31658.8586730335	879517.3170250766	39.29032184	-100.6878362	354459.3081846076	4530352.264351094	2954.76482634334	2783.2880118375206	37.0362853305094	37.0362853305094	39.540771389195
912	ix3292	32318.8586730335	879517.3170250766	39.290319655746146	-100.6853074	354660.2369633853	4530348.274	2952.7100341015414	2780.86143594416	37.0355056256273	37.0355056256273	39.540771389195
913	ix3293	32938.8586730335	879517.3170250766	39.29031742853406	-100.6829765	354861.3445473294	4530344.284281682	2950.9254015373663	2778.4800510326264	37.03479205925325	37.03479205925325	39.540771389195
914	ix3294	33638.8586730335	879517.3170250766	39.29031515629696	-100.680457	355062.36201776017	4530340.29478302	2949.1948164642357	2776.16423395688	37.0336496097857355	37.0336496097857355	39.540771389195
915	ix3295	34298.8586730335	879517.3170250766	39.2903128590411	-100.6783148	355253.3973475654	4530336.294817032	2947.37945494325	2773.342442	37.0327786804368	37.0327786804368	39.540771389195
916	ix3296	34958.8586730335	879517.3170250766	39.29031047575628	-100.675984	355464.39653781697	4530332.315317786	2945.5402243025117	2771.850736371	37.03179271788078	37.03179271788078	39.540771389195
917	ix3297	35618.8586730335	879517.3170250766	39.2903086945321	-100.6736532	355665.4135878258	4530328.32603181	2943.68989134875	2769.9524851812665	37.029876819026389	37.029876819026389	39.540771389195
918	ix3298	36278.8586730335	879517.3170250766	39.29030617124915	-100.6713223	355866.43048911667	4530324.33639005	2941.8937817387597	2767.39279024049	37.027359192153116	37.027359192153116	39.540771389195
919	ix3299	36938.8586730335	879517.3170250766	39.29030311977342	-100.6689915	356067.4472686274	4530320.34820957	2939.3842033197	2725.943823424712	37.0256863785160784	37.0256863785160784	39.540771389195
920	ix3300	37598.8586730335	879517.3170250766	39.2903007373986	-100.666606	356268.46300477	4530316.359310138	2936.34034896575	2765.1340229427187	37.0241962031402495	37.0241962031402495	39.540771389195
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922	ix3302	38931.8586730335	879517.3170250766	39.2902953757956	-100.661998	356690.4967453001	4530308.36242954	2930.2424742567304	2762.3090537373473	37.02090045385705	37.02090045385705	39.540771389195
923	ix3303	39598.8586730335	879517.3170250766	39.29029276819166	-100.659691	356917.512861078	4530304.38991284	2928.0029145833824	2760.091745133824	37.019278145313824	37.019278145313824	39.540771389195
924	ix3304	40238.8586730335	879517.3170250766	39.2902895766761	-100.6573372	357072.529373629	4530300.40439056	2925.748259135965	2758.164059047366	37.01776145019735	37.01776145019735	39.540771389195
925	ix3305	40898.8586730335	879517.3170250766	39.290287190176855	-100.6550004	357273.253	4530296.4185214	2920.43510923132	2758.301832570326	37.01647479530038	37.01647479530038	39.540771389195
926	ix3306	41558.8586730335	879517.3170250766	39.2902843766289	-100.6526755	357474.560772734	4530292.4302506	2917.12956449715	2757.034033175593	37.01397408669	37.01397408669	39.540771389195
927	ix3307	42218.8586730335	879517.3170250766	39.290281520125774	-100.6503447	357675.5764373094	4530288.434516925	2914.177147407515	2755.722109236183	37.01278473587557	37.01278473587557	39.540771389195
928	ix3308	42788.8586730335	879517.3170250766	39.29027861756545	-100.6480138	357876.5916716055	4530284.456295487	2911.600723735353	2754.05448697718	37.01190326199499	37.01190326199499	39.540771389195
929	ix3309	43538.8586730335	879517.3170250766	39.2902760989186	-100.645683	358077.670748563	4530280.46991284	2908.0029145833824	2752.091745133824	37.010978145313824	37.010978145313824	39.540771389195
930	ix3310	44188.8586730335	879517.3170250766	39.29027377378	-100.643321	358278.6898119	4530276.482	2905.74728456	2750.091745133824	37.0101782145313824	37.0101782145313824	39.540771389195
931	ix3311	44858.8586730335	879517.3170250766	39.29027096374396	-100.6410213	358479.67831069254	4530272.49572567	2904.3314052152343	2749.753404050974	37.0092784180314	37.0092784180314	39.540771389195
932	ix3312	45518.8586730335	879517.3170250766	39.2902685709099	-100.6388095	358680.652764082	4530268.50928002	2902.3716945152343	2749.5210577848925	37.00847065977554	37.00847065977554	39.540771389195
933	ix3313	46178.8586730335	879517.3170250766	39.2902634291485	-100.6363596	358881.662547643	4530264.52996416	2901.01858237631	2748.3184533739	37.00741860152487	37.00741860152487	39.540771389195
934	ix3314	46838.8586730335	879517.3170250766	39.2902602671555	-100.634028	359082.682328101	4530260.5989616	2899.3622040269828	2747.126831265848	37.0062193459	37.0062193459	39.540771389195
935	ix3315	47498.8586730335	879517.3170250766	39.2902570389312	-100.631879	359283.696948488	4530256.5958254	2897.52296437565	2745.96470756914	37.00503812585468	37.00503812585468	39.540771389195
936	ix3316	48158.8586730335	879517.3170250766	39.2902543767457	-100.629671	359484.711242459	4530252.6811742	2895.5000000000001	2744.77892624584	37.004178201671	37.004178201671	39.540771389195
937	ix3317	48818.8586730335	879517.3170250766	39.29025064847874	-100.6270362	359685.7261935487	4530248.59725106	2893.7434023833655	2743.7434023833655	37.00329408912563	37.00329408912563	39.540771389195
938	ix3318	49478.8586730335	879517.3170250766	39.29024711568706	-100.6247054	359886.739772508	4530244.59452136	2892.0029145833824	2742.4669725319477	37.002464717359	37.002464717359	39.540771389195
939	ix3319	50138.8586730335	879517.3170250766	39.290243371872144	-100.6223745	360087.75380172656	4530240.609321296	2889.8587906471	2741.32465185484	37.001603300712863	37.001603300712863	39.540771389195
940	ix3320	50798.8586730335	879517.3170250766	39.29024027503412	-100.6200437	360288.7676898997	4530236.6238104	2887.764528545956	2740.18489952192	37.0007338625734276	37.0007338625734276	39.540771389195
941	ix3321	51498.8586730335	879517.3170250766	39.29023677817299	-100.6177129	360488.7844323267	4530232.6329401	2886.7617615041913	2739.06041013255	37.000195883246002	37.000195883246002	39.540771389195
942	ix3322	52115.8586730335	879517.3170250766	39.2902332425875	-100.615382	360690.799616799	4530228.65449098	2886.5277677242443	2737.3063159214088	37.000195883246002	37.000195883246002	39.540771389195
943	ix3323	52798.8586730335	879517.3170250766	39.29023067338442	-100.613095	360892.868645256	4530224.6802501	2884.7142414908131	2736.041431908131	37.000195883246002	37.000195883246002	39.540771389195
944	ix3324	53438.8586730335	879517.3170250766	39.2902260354106	-100.6107203	361092.8121894712	4530220.68820345	2882.10622729581	2734.730408881818	37.000195883246002	37.000195883246002	39.540771389195
945	ix3325	54098.8586730335	879517.3170250766	39.2902228549759	-100.6083895	361293.831102279	4530216.70216912	2879.53157899093	2733.603119	37.000195883246002	37.000195883246002	39.540771389195
946	ix3326	54758.8586730335	879517.3170250766	39.2902186725107	-100.6060587	361494.8481914975	4530212.78131636	2878.02582532777	2732.5039095642035	37.000195883246002	37.000195883246002	39.540771389195
947	ix3327	55418.8586730335	879517.3170250766	39.29021491452147	-100.6037278	361695.8611389794	4530208.73465098	2876.22215310965	2732.421333389397	37.000195883246002	37.000195883246002	39.540771389195
948	ix3328	56078.8586730335	879517.3170250766	39.29021111148985	-100.601397	361896.873529994	4530204.75112498	2874.3733631319604	2731.3361705217053	37.000195883246002	37.000195883246002	39.540771389195
949	ix3329	56798.8586730335	879517.3170250766	39.2902077645316	-100.5991661	362097.86834415	4530200.767881158	2872.482014208156	27			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTTM-X	UTTM-Y	SurfLen.	W.Lt.	BRiEveLogsKrg.ft	BRiEveBothKrg.ft	SatThKlogs.ft	SatThBoth.ft	
727	133	98407	108218.85867307335	879517.3170250766	39.28976840061518	-104.172615	37776.48	2248489854	4349890.465750254	2725.93237143072	2262.63677132331	2544.289749728121	2543.883400951788	73.740274021017	78.75337816
728	133	98408	108678.85867307335	879517.3170250766	39.28976950577896	-104.114307	37977.8481635659	4349896.87203867	2621.2952751213315	2540.8289195129466	2540.935949232651	2540.935949232651	2540.935949232651	81.2002818298068	78.75337816
729	133	98409	109638.85867307335	879517.3170250766	39.28977050577896	-104.114307	37977.8481635659	4349896.87203867	2621.2952751213315	2540.8289195129466	2540.935949232651	2540.935949232651	2540.935949232651	81.2002818298068	78.75337816
730	133	98410	110678.85867307335	879517.3170250766	39.28977150577896	-104.114307	37977.8481635659	4349896.87203867	2621.2952751213315	2540.8289195129466	2540.935949232651	2540.935949232651	2540.935949232651	81.2002818298068	78.75337816
731	133	98411	110688.85867307335	879517.3170250766	39.28977250577896	-104.075383	378580.4922894017	4349874.737700723	2614.168112850844	2613.321257821555	2557.111612905466	2557.111612905466	2557.111612905466	81.2002818298068	78.75337816
732	133	98412	111518.85867307335	879517.3170250766	39.28977350577896	-104.056074	378781.4946140004	434970.805004149	2701.928262720543	2616.030090158363	2561.341217991965	2561.341217991965	2561.341217991965	81.2002818298068	78.75337816
733	133	98413	112178.85867307335	879517.3170250766	39.28977450577896	-104.033276	378982.4986225555	434966.832938765	2709.664824558183	2614.68896224234	2560.404914589818	2560.404914589818	2560.404914589818	81.2002818298068	78.75337816
734	133	98414	112838.85867307335	879517.3170250766	39.28977550577896	-104.009458	379183.4989150768	434962.870689991	2717.4610257911827	2613.372204531266	2559.086254757117	2559.086254757117	2559.086254757117	81.2002818298068	78.75337816
735	133	98415	113498.85867307335	879517.3170250766	39.28977650577896	-103.986815	379384.5008918474	434958.9038221735	2718.320222871975	2612.369819521144	2558.388933292123	2558.388933292123	2558.388933292123	81.2002818298068	78.75337816
736	133	98416	114158.85867307335	879517.3170250766	39.28977750577896	-103.962842	379585.5027535055	434954.93658079	2719.4765711686135	2610.74957411686135	2554.17181989338	2554.17181989338	2554.17181989338	81.2002818298068	78.75337816
737	133	98417	114818.85867307335	879517.3170250766	39.28977850577896	-103.939534	379786.5043982817	434950.969715565	2720.783245202245	2609.428950362986	2550.05880788885	2551.7651317132327	2551.7651317132327	81.2002818298068	78.75337816
738	133	98418	115148.85867307335	879517.3170250766	39.28977950577896	-103.916226	379987.50612963794	434947.03003768	2622.788556656966	2608.110730148913	2547.68290190549	2550.2754714721014	2550.2754714721014	81.2002818298068	78.75337816
739	133	98419	116138.85867307335	879517.3170250766	39.28978050577896	-103.892918	380188.50765441724	434943.03654134	2624.095846616977	2606.7875510239	2545.025912600579	2545.025912600579	2545.025912600579	81.2002818298068	78.75337816
740	133	98420	116798.85867307335	879517.3170250766	39.28978150577896	-103.86961	380389.506404611	434939.07023733	2627.746405628283	2605.4397776535	2547.50491968179	2547.50491968179	2547.50491968179	81.2002818298068	78.75337816
1	134	98421	116984.85867307335	879517.3170250766	39.28978250577896	-103.845238	380587.50765441724	434935.07023733	2630.495846616977	2608.110730148913	2547.68290190549	2550.2754714721014	2550.2754714721014	81.2002818298068	78.75337816
2	134	98422	117028.85867307335	879517.3170250766	39.28978350577896	-103.821911	380788.508765441724	434931.07023733	2633.24095846616977	2609.428950362986	2550.05880788885	2551.7651317132327	2551.7651317132327	81.2002818298068	78.75337816
3	134	98423	117068.85867307335	879517.3170250766	39.28978450577896	-103.798584	380989.509514611	434927.07023733	2636.495846616977	2610.74957411686135	2554.17181989338	2554.17181989338	2554.17181989338	81.2002818298068	78.75337816
4	134	98424	117108.85867307335	879517.3170250766	39.28978550577896	-103.775257	381189.509514611	434923.07023733	2639.746405628283	2612.369819521144	2558.388933292123	2558.388933292123	2558.388933292123	81.2002818298068	78.75337816
5	134	98425	117148.85867307335	879517.3170250766	39.28978650577896	-103.751931	381389.509514611	434919.07023733	2643.00090158363	2614.68896224234	2560.404914589818	2560.404914589818	2560.404914589818	81.2002818298068	78.75337816
6	134	98426	117188.85867307335	879517.3170250766	39.28978750577896	-103.728604	381589.509514611	434915.07023733	2646.2514589818	2616.030090158363	2561.341217991965	2561.341217991965	2561.341217991965	81.2002818298068	78.75337816
7	134	98427	117228.85867307335	879517.3170250766	39.28978850577896	-103.705277	381789.509514611	434911.07023733	2649.502954757117	2617.2952751213315	2562.59341217991965	2562.59341217991965	2562.59341217991965	81.2002818298068	78.75337816
8	134	98428	117268.85867307335	879517.3170250766	39.28978950577896	-103.681951	381989.509514611	434907.07023733	2652.75341217991965	2618.532604531266	2563.8949232651	2563.8949232651	2563.8949232651	81.2002818298068	78.75337816
9	134	98429	117308.85867307335	879517.3170250766	39.28979050577896	-103.658624	382189.509514611	434903.07023733	2656.004914589818	2619.783245202245	2565.132604531266	2565.132604531266	2565.132604531266	81.2002818298068	78.75337816
10	134	98430	117348.85867307335	879517.3170250766	39.28979150577896	-103.635297	382389.509514611	434899.07023733	2659.2554714721014	2620.930090158363	2566.388933292123	2566.388933292123	2566.388933292123	81.2002818298068	78.75337816
11	134	98431	117388.85867307335	879517.3170250766	39.28979250577896	-103.611970	382589.509514611	434895.07023733	2662.50697465117	2622.180730148913	2567.639819521144	2567.639819521144	2567.639819521144	81.2002818298068	78.75337816
12	134	98432	117428.85867307335	879517.3170250766	39.28979350577896	-103.588643	382789.509514611	434891.07023733	2665.758465117	2623.430090158363	2568.883400951788	2568.883400951788	2568.883400951788	81.2002818298068	78.75337816
13	134	98433	117468.85867307335	879517.3170250766	39.28979450577896	-103.565316	382989.509514611	434887.07023733	2669.00990158363	2624.68896224234	2569.930090158363	2569.930090158363	2569.930090158363	81.2002818298068	78.75337816
14	134	98434	117508.85867307335	879517.3170250766	39.28979550577896	-103.541989	383189.509514611	434883.07023733	2672.2604531266	2625.930090158363	2571.1612905466	2571.1612905466	2571.1612905466	81.2002818298068	78.75337816
15	134	98435	117548.85867307335	879517.3170250766	39.28979650577896	-103.518662	383389.509514611	434879.07023733	2675.51095846616977	2626.980158363	2572.404914589818	2572.404914589818	2572.404914589818	81.2002818298068	78.75337816
16	134	98436	117588.85867307335	879517.3170250766	39.28979750577896	-103.495335	383589.509514611	434875.07023733	2678.7614589818	2628.030090158363	2573.639819521144	2573.639819521144	2573.639819521144	81.2002818298068	78.75337816
17	134	98437	117628.85867307335	879517.3170250766	39.28979850577896	-103.472008	383789.509514611	434871.07023733	2682.01195846616977	2629.080158363	2574.883400951788	2574.883400951788	2574.883400951788	81.2002818298068	78.75337816
18	134	98438	117668.85867307335	879517.3170250766	39.28979950577896	-103.448681	383989.509514611	434867.07023733	2685.2624531266	2630.330090158363	2576.132604531266	2576.132604531266	2576.132604531266	81.2002818298068	78.75337816
19	134	98439	117708.85867307335	879517.3170250766	39.28980050577896	-103.425354	384189.509514611	434863.07023733	2688.51395846616977	2631.580158363	2577.383400951788	2577.383400951788	2577.383400951788	81.2002818298068	78.75337816
20	134	98440	117748.85867307335	879517.3170250766	39.28980150577896	-103.402027	384389.509514611	434859.07023733	2691.765405628283	2632.830090158363	2578.639819521144	2578.639819521144	2578.639819521144	81.2002818298068	78.75337816
21	134	98441	117788.85867307335	879517.3170250766	39.28980250577896	-103.378700	384589.509514611	434855.07023733	2695.01690158363	2634.080158363	2579.883400951788	2579.883400951788	2579.883400951788	81.2002818298068	78.75337816
22	134	98442	117828.85867307335	879517.3170250766	39.28980350577896	-103.355373	384789.509514611	434851.07023733	2698.267465117	2635.330090158363	2581.132604531266	2581.132604531266	2581.132604531266	81.2002818298068	78.75337816
23	134	98443	117868.85867307335	879517.3170250766	39.28980450577896	-103.332046	384989.509514611	434847.07023733	2701.51895846616977	2636.580158363	2582.383400951788	2582.383400951788	2582.383400951788	81.2002818298068	78.75337816
24	134	98444	117908.85867307335	879517.3170250766	39.28980550577896	-103.308719	385189.509514611	434843.07023733	2704.770465117	2637.830090158363	2583.639819521144	2583.639819521144	2583.639819521144	81.2002818298068	78.75337816
25	134	98445	117948.85867307335	879517.3170250766	39.28980650577896	-103.285392	385389.509514611	434839.07023733	2708.02195846616977	2639.080158363	2584.883400951788	2584.883400951788	2584.883400951788	81.2002818298068	78.75337816
26	134	98446	117988.85867307335	879517.3170250766	39.28980750577896	-103.262065	385589.509514611	434835.07023733	2711.273465117	2640.330090158363	2586.132604531266	2586.132604531266	2586.132604531266	81.2002818298068	78.75337816
27	134	98447	118028.85867307335	879517.3170250766	39.28980850577896	-103.238738	385789.509514611	434831.07023733	2714.524965117	2641.580158363	2587.383400951788	2587.383400951788	2587.383400951788	81.2002818298068	78.75337816

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKsg.f	BRiElevBothK.f	SatTKhLog.f	SatTKhBoth.f
113	134	98533	-297021.1413	880177.1732050766	38.287627134939726	-101.8483847	254334.82703610283	4325264.125096022	3791.253054641836	3582.3902396756316	3514.6794246260937	3517.624352702737	70.7140749483793	64.76588740393455
114	134	98534	-296361.1413	880177.1732050766	38.28764773360148	-101.848604	254335.54015185972	4325260.420727353	3785.6229738805498	3580.7851398171033	3513.710732574478	3510.1547571496158	67.0740076253548	70.6303266255448
115	134	98535	-295701.1413	880177.1732050766	38.28767673360148	-101.8487234	254373.95302474385	4325255.95859717	3781.1889926354491	3578.1945384917	3512.288631	3504.1361945384745	68.38445333193361	75.04404333193361
116	134	98536	-295041.1413	880177.1732050766	38.28771671587735	-101.8413928	254398.16565490045	4325251.8712836765	3775.5758518040423	3575.758518040423	3510.5909276298383	3500.94079682373	67.5682213171345	77.48105119774164
117	134	98537	-294381.1413	880177.1732050766	38.28777081950312	-101.8390622	255139.2781426667	4325247.787	3774.671631150799	3575.968189157507	3510.0932025919533	3498.6259467269943	65.8478979055357	78.3734135
118	134	98538	-293721.1413	880177.1732050766	38.287772878099304	-101.8367613	255340.3982820035	4325243.703057461	3771.480248115059	3574.36716248315	3509.475043260755	3498.5086446281855	75.848133696911732	75.848133696911732
119	134	98539	-293061.1413	880177.1732050766	38.287747891681256	-101.8344009	255541.5021916552	4325235.916232653	3768.625362987467	3572.7418244331047	3509.445757953471	3498.632082292242	73.29444897687804	74.1036231488258
120	134	98540	-292401.1413	880177.1732050766	38.28776786024713	-101.8320703	255742.6138326422	4325235.335599117	3768.152053	3571.123651	3509.729478874983	3505.8092368245788	61.39421717306672	74.0260776216184
121	134	98541	-291741.1413	880177.1732050766	38.28778737360148	-101.8297289	255943.7527323662	4325231.943066674	3763.6705811704047	3569.302819369027	3510.3840265834562	3504.128737429154	61.1886974231173	75.0685389929158
122	134	98542	-291081.1413	880177.1732050766	38.2878076233045	-101.827409	256144.5345177098	4325227.389059548	3761.204658246	3570.87922195267	3511.44685577675334	3505.638057732597	56.4322242838107	72.2412242838107
123	134	98543	-290421.1413	880177.1732050766	38.28782749584784	-101.8250784	256345.8473890779	4325223.285847414	3760.646841697147	3566.25340891044	3512.957387262658	3509.78854112789	52.93526623	56.46428718274955
124	134	98544	-289761.1413	880177.1732050766	38.28784728439402	-101.8227478	256547.0580853622	4325219.20297976	3762.0120057076985	3562.434962305254	3515.24190791582246	3513.473157570671	49.8158831442299	51.15033865981454
125	134	98545	-289101.1413	880177.1732050766	38.28786702783393	-101.8204172	256748.1685408289	4325215.120394714	3763.374147246195	3562.9163606287435	3517.014597236828743	3516.1678267828743	45.9770387156479	46.82895923361385
126	134	98546	-288441.1413	880177.1732050766	38.28788672630255	-101.8180865	256949.27587568334	4325211.037818553	3764.736288794442	3561.357396	3518.113733181049	3516.723151427745	43.24363235410774	44.6341849887148
127	134	98547	-287781.1413	880177.1732050766	38.28789638	-101.8157569	257150.3887301294	4325205.939129534	3764.06838984827	3559.7226307628857	3518.0170721239588	3514.890243389988	41.7055863898965	44.83238692
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129	134	98549	-286461.1413	880177.1732050766	38.28794555161016	-101.8110846	257552.8075862001	4325204.791512276	3762.7472496470096	3556.455156833042	3509.1307422563727	3510.325842987492	47.3237342839149	46.128057200392956
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131	134	98551	-285141.1413	880177.1732050766	38.287984543399716	-101.8064333	257954.8262279486	4325200.6285027	3753.2830977161598	3553.107409092127	3499.86931284274	3502.62828595485	53.32292155838815	50.5662203
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133	134	98553	-283821.1413	880177.1732050766	38.28802353123116	-101.801772	258357.04339375275	432498.467843324	3747.913714100674	3549.837174051519	3494.346319	3491.18495846782887	58.75225446125205	58.75225446125205
134	134	98554	-283161.1413	880177.1732050766	38.288042635495196	-101.7994414	2585815.183710978	432495.447842395	3745.2282122590574	3548.312835285576	3483.207504	3486.57528777996	65.10530102131649	61.73909651
135	134	98555	-282501.1413	880177.1732050766	38.28806186678016	-101.797128	258795.9689567649	432494.30466674	3743.6705811704047	3547.913691904017	3483.089482923517	3483.089482923517	67.109638193367	71.09638193367
136	134	98556	-281841.1413	880177.1732050766	38.2881023503666	-101.7947801	258960.367	432490.22345702	3741.5390723208653	3545.06983579455	3487.057058485482	3482.5051196780924	68.7572171700234	62.564692701362674
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138	134	98558	-280521.1413	880177.1732050766	38.2881195966404	-101.790118	259362.5826408022	432496.262273949	3738.01193564852	3541.834310028875	3482.623967650109	3481.639964877	63.2044273877619	72.680313541759
139	134	98559	-279861.1413	880177.1732050766	38.2881378989384	-101.7877882	259563.6897465346	432496.982301555	3736.536767650214	3540.226117956334	3486.2674263140773	3461.01589356071	75.90938503691	75.90938503691
140	134	98560	-279201.1413	880177.1732050766	38.28815778139084	-101.7854578	259764.7961428925	432493.903124266	3734.351082534577	3538.621084939113	3488.85837117833	3467.6627299978612	79.7532478117829	80.9858494
141	134	98561	-278541.1413	880177.1732050766	38.28817681540828	-101.783128	259983.6246469202	432493.48309696	3732.16468193554	3536.923899458283	3482.63396286776	3482.63396286776	81.77281919703	81.77281919703
142	134	98562	-277881.1413	880177.1732050766	38.28819577569	-101.78128	260167.00967569	432493.180776376	3732.981890763876	3535.45305707518	3482.4417607980786	3455.39076157857	81.0517484143264	80.1918392314243
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145	134	98565	-275901.1413	880177.1732050766	38.288252440459054	-101.7738042	260797.3273945794	432491.58813995	3723.2809514627587	3531.399060184661	3404.9133023028235	3462.074891457	76.4857578818374	69.3241672808087
146	134	98566	-275241.1413	880177.1732050766	38.288271242193844	-101.7714736	260971.43284029682	432492.48309608	3721.074935112613	3530.192306	3401.362851624911	3466.3975502741423	78.281565843777893	63.791757545757
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148	134	98568	-273921.1413	880177.1732050766	38.28832401421184	-101.7668138	261573.643023035	432491.741361521	3717.818358137	3527.8518358137	3400.554148123071	3451.15884375328	82.1271032261	82.1271032261
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151	134	98571	-271941.1413	880177.1732050766	38.288364557611025	-101.7598203	261976.956528471	432490.937804016	3706.066811762245	3524.394729925994	3409.7270807499613	3452.580926720321	112.6778922263212	100.8624029893919
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155	134	98575	-269301.1413	880177.1732050766	38.2884385001382	-101.750548	262789.589001382	432490.930525313	3710.3445027541512	3520.988652169755	3400.4354238453412	3451.7982520918	97.80125026987844	228.9811641897622
156	134	98576	-268641.1413	880177.1732050766	38.28845675	-101.7481669	262993.744334777	432490.930525313	3710.3445027541512	3520.988652169755	3400.4354238453412	3451.7982520918	97.80125026987844	228.9811641897622
157	134	98577	-267981.1413	880177.1732										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SurfElev.Kg.f	SurfElev.Kg.f
239	134	98659	-213861.1413	880177.3170250766	39.289822684618145	-101.5547174	279673.23413592053	4325020.948129323	345.528890115282	342.074969399998	3385.5056611888066	3387.56469938959345	45.568408211391215	45.0107001406333
240	134	98660	-213201.1413	880177.3170250766	39.28983726100413	-101.5523667	279674.3126265597	4325046.867418101	353.8272384514307	341.4899203269483	3384.3633765143834	3387.361547	47.11258978	44.14737657419634
241	134	98661	-212541.1413	880177.3170250766	39.289848762370114	-101.5509289	280075.4021801963	4325042.838987458	353.8118678913106	340.921196833898	3383.5323277548033	3387.399275484285	47.3899275484285	45.63273478028616
242	134	98662	-211881.1413	880177.3170250766	39.289866258715996	-101.5477582	280276.4585770219	4325.400373123307	343.0352699002498	3383.500739	3387.50900605008	48.65231290209574	42.39117384064194	
243	134	98663	-211221.1413	880177.3170250766	39.289880690041805	-101.5453394	280477.56935725536	4325034.706	3529.213020889956	3429.7774769094458	3383.1427335486324	3388.602612642071	46.63473359617005	41.17486426872847
244	134	98664	-210561.1413	880177.3170250766	39.28989507634747	-101.5430636	280678.56935725536	4325030.646	3529.25276651997	3429.1945827585525	3382.417299766764	3388.57193232077	46.63473359617005	40.622590888605
245	134	98665	-209901.1413	880177.3170250766	39.28990941764012	-101.5407329	280879.75367870654	4325026.58671841	3523.8420683570867	3428.58969543253	3381.65963798079	3390.108984210408	46.63473359617005	38.489717427220638
246	134	98666	-209241.1413	880177.3170250766	39.289923713905424	-101.5384021	281080.81860080044	4325022.527150068	3527.9632939199792	3379.8784371018482	3390.15078227608	48.10449682	37.623804737872	
247	134	98667	-208581.1413	880177.3170250766	39.28993753349415	-101.5361968	281281.9016276758	4325018.46773236	3528.102298869917	3427.8876977456	3377.19327598077	3391.5569196912657	50.14701524747898	35.76337067419034
248	134	98668	-207921.1413	880177.3170250766	39.289952171375425	-101.5337408	281482.9631660185	4325014.409	3527.441812759042	3426.65910333427	3373.846357410226	3392.408763749455	52.1082493	34.1753887139729
249	134	98669	-207261.1413	880177.3170250766	39.28996633258004	-101.5314098	281684.06580156187	4325010.349590149	3515.86080088164	3425.832817866044	3370.327603336315	3391.866057176062	55.60521453342191	34.06576015000221
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251	134	98671	-205941.1413	880177.3170250766	39.28999451992835	-101.5267483	282086.22962620423	4325002.2316908	3513.436514899345	3424.294083611748	3363.6649850545094	3385.022891331586	60.03742734561338	39.2711922308019
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253	134	98673	-204621.1413	880177.3170250766	39.2900225719638	-101.5220867	282488.3923918452	43251994.15599968	3513.22698046243	3422.341006241488	3358.02259895066	3374.5541985128954	64.6274875942025	47.8868208989665
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256	134	98676	-202641.1413	880177.3170250766	39.29006420044283	-101.5150944	283091.6350837014	43251981.94194991	3511.299726259955	3418.76483357095	3353.2901548265463	3363.13396391357	65.4372631344882	55.63949167
257	134	98677	-201981.1413	880177.3170250766	39.29007801484424	-101.5127636	283292.751556288	43251977.88474759	3510.1196472396648	3417.418688167134	3352.14325883731	3360.700972885266	65.27254293	56.717899340847884
258	134	98678	-201321.1413	880177.3170250766	39.29009175705549	-101.5104329	283493.7950858897	43251973.827195474	3508.93956872344	3416.020293340069	3349.61021480006	3356.392318498269	65.7199104356776	
259	134	98679	-200661.1413	880177.3170250766	39.29010546850656	-101.5081021	283694.8785117517	43251969.77010393	3508.051608076794	3414.53047738617	3349.234264	3355.75501396378	65.2962130441198	55.75249144894194
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261	134	98681	-199341.1413	880177.3170250766	39.2901334446055	-101.5033284	284097.03587913	43251965.48214814	3506.3320154535	3412.88176971435	3347.9152868594	3354.834244489134	65.2962130441198	58.122917768038
262	134	98682	-198681.1413	880177.3170250766	39.290146331342454	-101.5011098	284298.14100110086	43251963.594971675	3505.24043241726	3409.82784432186	3348.906810724368	3355.0457339531	60.9229741579522	57.37371103835175
263	134	98683	-198021.1413	880177.3170250766	39.29015982302474	-101.498779	284499.19389248197	43251961.53462027	3408.31664779765	3408.164605769037	3348.55884802485	3352.127170414638	58.002672756256	56.03742774226794
264	134	98684	-197361.1413	880177.3170250766	39.290173820001	-101.4964482	284700.27287157555	43251949.48750282	3405.01848517914	3406.4035724004926	3350.246043838296	3352.163093829273	55.184328466293	54.2674857765527
265	134	98685	-196701.1413	880177.3170250766	39.29018678076884	-101.4941174	284901.351638587	43251945.45133535	3403.6015955271996	3351.5692354107664	3349.031588246135	3351.5692354107664	61.302701164321	51.58770930826524
266	134	98686	-196041.1413	880177.3170250766	39.29020018453033	-101.491766	285102.40319371957	43251941.75794874	3402.420873175847	3402.46228409521	3352.7335101519306	3348.53486614677618	49.906774257590314	48.79522494715917
267	134	98687	-195381.1413	880177.3170250766	39.2902134446055	-101.489458	285303.50683718028	43251937.62826897	3401.629145895787	3401.629145895787	3352.042671730418	3353.464194496375	49.906774257590314	47.058925939868
268	134	98688	-194721.1413	880177.3170250766	39.29022674183311	-101.4871257	285504.56948917167	43251933.26494891	3400.72904986113	3399.229678947033	3351.659240985118	3353.464194496375	49.906774257590314	45.4557311084963
269	134	98689	-194061.1413	880177.3170250766	39.29024010237697	-101.4847433	285705.646589939	43251929.09661155	3401.059512921356	3395.7448850208	3348.551752539125	3352.246697210321	47.058925939868	45.569781285493
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271	134	98691	-192741.1413	880177.3170250766	39.29026648890232	-101.4801327	286107.819785399	43251921.0985715	3400.467352746383	3390.6717167823094	3344.592751602154	3346.425868769197	47.058925939868	44.245848012589704
272	134	98692	-192081.1413	880177.3170250766	39.29027961463704	-101.4778019	286308.897085747	43251917.05240673	3400.2682918247227	3342.0502413988947	3345.415415242322	3346.425868769197	47.058925939868	44.245848012589704
273	134	98693	-191421.1413	880177.3170250766	39.29029265934422	-101.4754711	286509.94761463091	43251912.98081529	3400.072259307562	3385.467958307914	3341.06329004865	3344.0160684337	47.058925939868	40.6477913
274	134	98694	-190761.1413	880177.3170250766	39.2903057130338	-101.4731403	286711.05103180546	43251908.93587913	3400.0320154535	3382.8712611515	3341.06329004865	3344.0160684337	47.058925939868	38.122917768038
275	134	98695	-190101.1413	880177.3170250766	39.2903187170248	-101.470896	286912.1277	43251904.8263883	3398.280696573376	3341.35811777417	3340.04173	3340.04173	47.058925939868	36.01913845307535
276	134	98696	-189441.1413	880177.3170250766	39.29033167	-101.4684788	287113.2041369108	43251900.829	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	33.6579154050928
277	134	98697	-188781.1413	880177.3170250766	39.29034567697616	-101.466148	287314.2804	43251896.77501364	3400.0320154535	3400.0320154535	3387.823291429237	3341.35811777417	47.058925939868	31.7963347750404
278	134	98698	-188121.1413	880177.3170250766	39.29035742358266	-101.4638172	287515.364033341	43251892.72	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	29.74486716227307
279	134	98699	-187461.1413	880177.3170250766	39.29037023416737	-101.4614864	287715.364033341	43251888.66254307	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	27.74486716227307
280	134	98700	-186801.1413	880177.3170250766	39.29038326979006	-101.4591556	287917.507633145	43251884.61516033	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	25.74486716227307
281	134	98701	-186141.1413	880177.3170250766	39.2903962348546	-101.456823	288117.507633145	43251880.44454119	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	23.74486716227307
282	134	98702	-185481.1413	880177.3170250766	39.2904093579502	-101.454484	288319.658427832	43251876.50953124	3400.0320154535	3387.823291429237	3341.35811777417	3340.04173	47.058925939868	21.74486716227307
283	134	98703	-184821.1413	880177.3170250766	39.2904210262936	-101.4521632	288520.734124965	43251872.45710927	3400.0320154535	3387.823291429237				

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKthKgr.ft	SatThLgts.ft	SatThBoth.ft
35	134	98785	-137071.1413	880177.31720520766	39.291303518320795	-121.2610354	350808.1927455226	4351540.796841943	334.435843015535	3189.8931462348196	3160.618805000514	29.27434117430539	21.29760299272375
36	134	98786	-137001.1413	880177.31720520766	39.291321411992216	-121.2587404	3505209.25114885776	4351566.760036185	3347.338628659134	3187.3243193821138	3157.9809891112547	31.543342470648525	21.86348306799364
367	134	98787	-132081.1413	880177.31720520766	39.29132130864077	-121.263327	350410.904134	4351532.9814804	3348.296073305333	3185.3604306770316	3162.9403066770316	29.91043208957105	22.67176872827744
368	134	98788	-128721.1413	880177.31720520766	39.29133006426649	-121.2540429	3501367.382250584	43515268.6713796	3348.1906283469276	3182.1906283469276	3152.9310206655313	29.268960276830724	23.160311633454494
369	134	98789	-128601.1413	880177.31720520766	39.29133882286933	-121.251712	350812.4252127212	4351524.650694283	3337.7153697226254	3179.6306865305646	3150.329514834049	31.58582493255236	29.305671700115454
370	134	98790	-127401.1413	880177.31720520766	39.2913473644925	-121.2493812	350613.4826524726	4351520.61446355	3336.228342497272	3177.07655611149	3147.827096519064	31.5627689130026	29.7387969694613
371	134	98791	-126741.1413	880177.31720520766	39.29135620506295	-121.2470503	3506214.500232396	4351515.5435111	3334.6613732906636	3174.5283613731713	3145.255710491453	31.2765088178164	29.7256088178164
372	134	98792	-126081.1413	880177.31720520766	39.29136483	-121.2447194	350615.597616835	4351512.538515236	3333.021620740467	3171.968405406224	3142.69654504309	31.47060193399976	29.28939134
373	134	98793	-125421.1413	880177.31720520766	39.29137306751566	-121.242388	350616.558317005	4351508.50894892	3331.3795368679573	3169.48729115780227	3140.07721175264	31.33226866269217	29.7256088178164
374	134	98794	-124761.1413	880177.31720520766	39.29138190544035	-121.2400577	350617.71160475	4351504.443	3329.737409651454	3166.917626148845	3137.405239170746	31.36422259456	29.5531391900817
375	134	98795	-124101.1413	880177.31720520766	39.291390429009226	-121.237269	3507018.76830112275	4351503.473788262	3327.9460841937217	3164.380416014144	3134.882748051428	31.4385956417663	29.5052935398827
376	134	98796	-123441.1413	880177.31720520766	39.2913987245144	-121.235396	3507219.824029111	4351496.402925695	3326.005446467598	3161.859615241026	3132.413611582376	31.35619794782095	29.4460035866836
377	134	98797	-122781.1413	880177.31720520766	39.2914027708768	-121.2330651	3507420.8811140656	4351488.326825666	3324.06484735798	3159.33073392930	3129.86538573389	31.33943159915826	29.5657614013500285
378	134	98798	-122121.1413	880177.31720520766	39.29141562426688	-121.2307343	3507621.397236973	4351484.33769159	3322.124240036396	3156.79982062767808	3127.288558040274	31.29363026776732	29.51606423596936
379	134	98799	-121461.1413	880177.31720520766	39.29142395265008	-121.2284034	3507844.29945169	4351484.29945169	3320.798001751637	3154.764405495637	3126.933177231818	31.298859107404705	29.73379798991617
380	134	98800	-120801.1413	880177.31720520766	39.29142195909126	-121.226726	3508044.0491700835	4351480.265370864	3320.085120972007	3151.733809193274	3122.2081389141104	31.232474238722626	29.78596707647213
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382	134	98802	-119481.1413	880177.31720520766	39.2914548672113	-121.2214108	3508468.1598436066	4351476.19730216	3318.632549042926	3148.66282568562	3117.884217242647	31.20145310983171	29.78260990160584
383	134	98803	-118821.1413	880177.31720520766	39.29146671590198	-121.21908	3508627.215025368	4351468.164194213	3317.599948441432	3144.12636699839	3113.5779416001633	31.14689312126602	29.437054573777004
384	134	98804	-118161.1413	880177.31720520766	39.291467391915972	-121.2167491	3508828.2700191997	4351468.13084768	3316.186996491473	3141.577447588087	3110.4251056815974	31.113544036351	29.56213035193613
385	134	98805	-117501.1413	880177.31720520766	39.2914728739434	-121.2144183	3509029.3284556446	4351460.07990631	3314.3710891400715	3139.018263998142	3107.9438162148612	31.07496313638463	31.26890383541841
386	134	98806	-116841.1413	880177.31720520766	39.291480350050785	-121.2120874	3509230.379444663	4351456.04723034	3313.3610987190556	3136.48452452131	3103.339875456065	31.0848679896604	32.419872232620186
387	134	98807	-116181.1413	880177.31720520766	39.29148809172555	-121.2104752	3509432.124564429	4351452.6254111	3312.38984622548	3134.92742547487	3101.8607142567847	31.04043025464865	31.244432963046803
388	134	98808	-115521.1413	880177.31720520766	39.29149658	-121.2074257	3509632.48812189517	4351447.99353614	3311.576523442578	3131.2696903812675	3095.2947329706094	30.95749714058135	31.9592022297274
389	134	98809	-114861.1413	880177.31720520766	39.29150454010116	-121.2050948	3509833.542180433	4351445.68696937	3310.8778866045	3128.660699838226	3091.24156633204	30.9048850140316	31.474103651519436
390	134	98810	-114201.1413	880177.31720520766	39.29151235321987	-121.2027639	3510034.5961	4351439.93474106	3310.13905387411	3126.038253704055	3088.260795757975	30.8782243633129	31.77745704825796
391	134	98811	-113541.1413	880177.31720520766	39.29152012131537	-121.2004331	3510235.649738325	4351435.402726696	3308.481470115107	3123.426819	3086.70548212303	30.85681299646995	36.9578913102817
392	134	98812	-112881.1413	880177.31720520766	39.29152784436176	-121.1981022	3510436.7032382176	4351431.870957005	3308.885037368274	3120.7552405579113	3085.525015256157	30.8514909270611	31.22933093295634
393	134	98813	-112221.1413	880177.31720520766	39.2915352243666	-121.1957173	3510637.7665221473	4351429.124564429	3307.61739524511	3118.978946791297	3084.128467791971	30.84864623415878	31.244432963046803
394	134	98814	-111561.1413	880177.31720520766	39.291541545424	-121.1934048	3510809.7096498	4351423.80701919	3307.6217187104927	3115.614261833427	3082.31424141612	30.82144139230247	31.1713691390124
395	134	98815	-110901.1413	880177.31720520766	39.29155073434689	-121.1911096	3511039.862635458	4351419.776359116	3306.33411	3112.7695003431247	3079.683976305247	30.804548998373284	31.0575329620007
396	134	98816	-110241.1413	880177.31720520766	39.29155826444065	-121.1887787	3511240.9138128903	4351415.74546696	3305.3123207330527	3110.82710158924	3078.26079024829	31.75686311109472	31.8218090817662
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398	134	98818	-108921.1413	880177.31720520766	39.2915732373249	-121.184117	3511643.0203419562	4351407.68388068	3297.870141033618	3110.732342242346	3076.1390645295843	30.738252794222	30.8977014481236407
399	134	98819	-108261.1413	880177.31720520766	39.2915806452169	-121.1817861	3511844.07526118	4351403.653381642	3296.81692712600514	3102.0454389571473	3068.436211245485	30.708723048345166	32.60925723166278
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401	134	98821	-106941.1413	880177.31720520766	39.29159532559006	-121.1771224	3512246.176398972	4351395.592993628	3288.3462218352152	3096.705764	3064.034595	30.5502728	31.19848165264027
402	134	98822	-106281.1413	880177.31720520766	39.29160259829129	-121.1747935	3512447.22804975905	4351391.563001377	3285.080721228063	3094.048572621028	3061.378679533166	30.518726709857	32.66999750878611
403	134	98823	-105621.1413	880177.31720520766	39.29160962664489	-121.1724626	3512648.2795167526	4351387.53253764	3281.614905173839	3091.4041570452062	3058.871344209615	30.483192024711226	30.658805476899643
404	134	98824	-104961.1413	880177.31720520766	39.291617009437196	-121.1701318	3512849.3308001728	4351383.50395108	3277.948322597669	3088.72490707614	3056.42912564393	30.58474393155572	30.30190992
405	134	98825	-104301.1413	880177.31720520766	39.29162415	-121.1678009	3513050.3810902776	4351379.474325763	3274.2812139	3086.196087291893	3054.162406241608	30.506809893102	32.068681287580705
406	134	98826	-103641.1413	880177.31720520766	39.29163212995158	-121.16544	3513251.432671185	4351375.445145721	3270.6151753742497	3083.76573823274	3052.164658892796	30.54164785211731	31.7482403776
407	134	98827	-102981.1413	880177.31720520766	39.2916409173191	-121.163189	3513468.764120082	4351371.246158187	3268.2405315580633	3081.84417501288	3049.7117078823	30.53423268497173	32.25800723898326
408	134	98828	-102321.1413	880177.31720520766	39.29164933072145	-121.1610093	3513635.41022321	4351373.38735305	3267.06093001162	3078.51431913633	3048.93063920095	30.5247134634927	31.583174823236
409	134	98829	-101661.1413	880177.31720520766	39.291652248047235	-121.1584774	3513854.5844066683	4351363.35874139	3265.913245129803	3076.028907127621	3046.9338058020747	30.51431590323662	29.9031036879628
410	134	98830	-101001.1413	880177.31720520766	39.29165960968835	-121.1561465	3514055.6346571576	4351359.33184025	3264.76579145444	3073.583022482404	3044.16199032006	30.44551613634184	29.9130442323971
411	134	98831	-100341.1413	880177.31720520766	39.29166602832692	-121.1538156	3514256.6866131215	4351353.302084746	3263.40172963121	3071.17570794466	3041.0476640479564	30.4160569398163	29.76604734463031
412	134	98832	-99681.1413	880177.31720520766	39.2916728095317	-121.15144							

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgm	BREIElevKft	SurfElevKgm	SurfElevKft
491	ix 98911	-47541.14133	880177.3170250766	39.9200995143379	-100.9673444	3303043.1132251557	4351033.655897114	316.160852597689	2971.764540411332	2932.1881888910007	2929.377654579293	39.567351723112566	42.38688084873896
492	ix 98912	-46861.14133	880177.3170250766	39.920271267122624	-100.9650135	330541.1491570376	4351029.614248686	313.081235641233	2970.748717245765	2931.8746410617573	2929.767123776914	39.56716718400766	40.9814795289723
493	ix 98913	-46281.14133	880177.3170250766	39.92025676787205	-100.9638692	330742.1848293597	4351025.303098515	313.0810177938576	2970.741791786115	2931.861583628392	2930.4717591398123	39.567133336123	42.38688084873896
494	ix 98914	-45561.14133	880177.3170250766	39.9207908842748	-100.9603517	330963.20502502265	4351021.617653805	312.9622005096993	2968.738357531278	2931.6645690337	2933.434127	37.0740778490777	35.30414087107776
495	ix 98915	-44901.14133	880177.3170250766	39.92080217404343	-100.9580208	331144.255961537	4351017.605	312.416661801324	2967.742115300912	2931.6981608241954	2930.570025877922	36.3540344761641	32.62708942298976
496	ix 98916	-44241.14133	880177.3170250766	39.92085214635144	-100.9555689	331345.2912333406	4351013.593112825	312.7324701802436	2966.7500757491766	2931.9872886112867	2935.344434377694	34.76278714878997	30.905731871880562
497	ix 98917	-43581.14133	880177.3170250766	39.9208821002051	-100.953539	331546.326036347	4351009.581125275	312.299322349933	2965.761818317645	2932.37678238003	2936.458031908234	33.485947374167	29.30349923530373
498	ix 98918	-42921.14133	880177.3170250766	39.92091160745535	-100.9510281	331747.3612836325	4351005.56932275	311.886761513623	2964.75043722695	2932.8693809032957	2936.72876672695	31.90564819399337	28.04271670552458
499	ix 98919	-42261.14133	880177.3170250766	39.9209466626427	-100.9486971	331948.3636515245	4351001.357719819	311.815787480747	2963.791791786115	2933.530143982892	2938.20173980002	30.26103474272723	28.59100745635839
500	ix 98920	-41601.14133	880177.3170250766	39.92096925758674	-100.9463962	332149.4306773225	4350997.546239996	311.42015050299	2962.80323600195	2934.443639312403	2937.0519763773	29.182477224456	25.1785472224456
501	ix 98921	-40941.14133	880177.3170250766	39.9209997422875	-100.9440353	332350.4651283645	4350993.35	310.674012035034	2961.8245017277466	2934.345911908473	2936.406162823497	27.478589364274285	25.1785472224456
502	ix 98922	-40281.14133	880177.3170250766	39.9210251267586	-100.9417044	332551.4959166032	4350989.524013626	310.7295675747178	2960.83999850937	2933.10389340841	2935.162730545945	27.73500744789675	25.6729063968730
503	ix 98923	-39621.14133	880177.3170250766	39.9210523809724	-100.9393735	332752.53634115756	4350985.51317256	309.8725835517586	2959.8512584088595	2931.79356803821	2933.35368	26.90759044	26.93784404303939
504	ix 98924	-38961.14133	880177.3170250766	39.9210791849427	-100.9370426	332953.5676026395	4350981.502490385	309.2192004436255	2958.86083075225	2930.3901671054515	2932.979066137045	28.85696369773545	27.56297646152052
505	ix 98925	-38301.14133	880177.3170250766	39.9211053586694	-100.9347117	333154.60140125314	4350977.482013087	308.677723176087	2958.0426564882873	2929.147279079493	2935.2956687793424	28.95646810582326	28.756444898875424
506	ix 98926	-37641.14133	880177.3170250766	39.9211314421528	-100.9323809	333355.6303720457	4350973.481711914	308.2179835207	2956.87203330676	2925.921415007205	2936.72057075836	30.94961832349163	29.95146305482036
507	ix 98927	-36981.14133	880177.3170250766	39.921158983923	-100.9300499	333556.66810682	4350969.416716994	307.6753439885954	2955.87403029986	2924.0165751782524	2924.95198271959	31.85748541735564	30.92240130802702
508	ix 98928	-36321.14133	880177.3170250766	39.921186983845	-100.927719	333757.7018219384	4350965.461702743	307.6085964192016	2954.847119224373	2922.30783042756	2923.159673887854	31.714452383363505	31.714452383363505
509	ix 98929	-35661.14133	880177.3170250766	39.9212064511402	-100.9253881	333958.7349711329	4350959.451977246	307.432448488024	2953.8729223242813	2920.7041987503117	2921.39013204532	31.16872348306964	32.51390092074936
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512	ix 98932	-33681.14133	880177.3170250766	39.9212740779347	-100.9183954	334561.8334484722	4350948.42381438	307.4023971096046	2950.07288530052	2916.09455224911	2916.9154900600234	34.7173694	33.95486342455894
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514	ix 98934	-32361.14133	880177.3170250766	39.92132246124446	-100.9137336	334963.89235515	4350941.406176367	307.895955654766	2948.873185589584	2914.538810406309	2914.5581257269562	34.34050051264214	34.290612839617
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523	ix 98943	-26421.14133	880177.3170250766	39.9215029140578	-100.8927554	336773.182159573	4350905.33603808	305.6063053280102	2940.13491391626	2904.3891391626	2904.3891391626	34.5730579141209	34.5730579141209
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530	ix 98950	-21801.14133	880177.3170250766	39.9216180525654	-100.8764391	338180.3940347706	4350877.291260948	303.44640513105396	2933.1863478782314	2901.7293193172633	2901.7293193172633	34.5730579141209	34.5730579141209
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536	ix 98956	-17841.14133	880177.3170250766	39.9216991831786									

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BRIEveLogskg.ft	BRIEveBothkg.ft	SatHkLogsk.ft	SatHkBoth.ft
617	134	99037	35618.8586730335	880177.17120250766	39.292120808075566	-0.0673965	355669.405697341	4350529.509092856	247.772755	2728.5530340500177	2728.221780758244	40.81307906	41.14432385939664
618	134	99038	35627.8586730335	880177.17120250766	39.292118348484806	-0.0673191	355870.4224118998	4350525.519628477	245.280404280991	2767.6024004154374	2726.893046574493	40.7087985768048	41.050789164906386
619	134	99039	35636.8586730335	880177.17120250766	39.29211586	-0.0669892	35607.438896991	4350521.530781618	294.63358566678	2774.3385463301215	2724.3385463301215	40.8304356579131	41.0286634737819
620	134	99040	35759.8586730335	880177.17120250766	39.2921130265301	-0.0666673	356272.15442251685	4350517.102262765	2939.535518	2764.411623305613	2723.517195070316	41.2445827	41.3798743727749
621	134	99041	35825.8586730335	880177.17120250766	39.292110721166345	-0.0664264	356473.4717190751	4350513.552524019	2936.43787128626	2762.9351777554034	2721.0308633757274	41.27100851973970	41.9266801567273
622	134	99042	35918.8586730335	880177.17120250766	39.29210809	-0.0661995	356574.4878767397	4350509.56476058	2933.34023741580	2761.512056808754	2718.5815063823489	41.6909813273856	41.450751007361835
623	134	99043	35978.8586730335	880177.17120250766	39.2921051116556	-0.0659646	356875.5038957453	4350503.552524019	2929.983622229955	2761.6922942709544	2716.6922942709544	41.7682990119928	43.43408025970174
624	134	99044	40238.8586730335	880177.17120250766	39.29210268862864	-0.0657337	357076.519726067	4350501.5883987825	2926.3987522841944	2758.721286178644	2714.725226155552	41.7482570229387	43.9464239
625	134	99045	40299.8586730335	880177.17120250766	39.2920999106739	-0.0655028	357297.5355184189	4350497.804737649	2927.4623643358362	2757.4623643358362	2713.116385928954	43.25288101227265	44.25015007361835
626	134	99046	41558.8586730335	880177.17120250766	39.2921052719	-0.0652679	357478.5511	4350493.61703368	2919.2085329691	2756.1399350432	2711.98453	41.7194912261606	44.138970878715
627	134	99047	42218.8586730335	880177.17120250766	39.2920425087187	-0.0650341	357679.6568882803	4350489.62156338	2916.24632366363	2754.83423663636	2711.288822601445	41.5740210035507	43.53089048168324
628	134	99048	42878.8586730335	880177.17120250766	39.29209134823763	-0.0648011	357880.58911742806	4350485.63796749	2913.916446604703	2753.568935262935	2710.859256733797	41.70187135828046	42.71300958948895
629	134	99049	43538.8586730335	880177.17120250766	39.29208540057906	-0.06456792	358081.5971085718	4350481.60524859	2911.5867593896723	2752.310730280267	2710.436276414662	41.70141251896153	41.87442686560442
630	134	99050	44198.8586730335	880177.17120250766	39.29208540789496	-0.0643483	358282.6122623654	4350477.663387171	2908.257192132652	2751.06750789007	2710.0158863041756	41.70187135828046	42.71300958948895
631	134	99051	44858.8586730335	880177.17120250766	39.2920763201678494	-0.0641074	358483.621792543	4350473.67840547	2907.3037573197	2749.83890378157	2709.780695903719	41.7082069191287	40.05030514802456
632	134	99052	45518.8586730335	880177.17120250766	39.29207287455955	-0.0638685	358684.64195921866	4350469.680230022	2905.72670030022	2748.622567242181	2709.26520038938	41.70930471792873	39.360471792873
633	134	99053	46178.8586730335	880177.17120250766	39.29207615970014	-0.0636356	358885.65660257125	4350465.70389086	2904.149784	2747.422033030205	2707.969373224067	41.708351453144735	40.5429298
634	134	99054	46838.8586730335	880177.17120250766	39.29207296920054	-0.06340247	359065.617104983	4350461.715725929	2902.57718677012	2746.22910839949	2706.154087896046	41.7061683824533	40.0705200336842
635	134	99055	47498.8586730335	880177.17120250766	39.29206997691269	-0.0631838	359287.684801764	4350457.731525198	2899.76018347773	2745.04870067417	2704.2752611546543	41.7043438418696	40.7508918187476
636	134	99056	48158.8586730335	880177.17120250766	39.29206606028699	-0.06293629	359489.6897146355	4350453.74564086	2898.096291397307	2743.879315	2702.592025235611	41.702751938369245	41.28728933949076
637	134	99057	48818.8586730335	880177.17120250766	39.2920631984304	-0.0627032	359689.7138136757	4350449.759991773	2897.2981661192966	2742.71900113336	2700.8010619232896	41.70504674209376	41.918988048044
638	134	99058	49478.8586730335	880177.17120250766	39.2920595455684	-0.0624701	359897.727769007	4350445.7450093	2895.503716261555	2741.5690835962373	2698.648717115142	41.7088132872802	42.48847061095236
639	134	99059	50098.8586730335	880177.17120250766	39.29205617473748	-0.06224081	360091.741637135	4350441.789021583	2894.1012880155023	2740.58372178983	2697.58372178983	41.7088132872802	42.48847061095236
640	134	99060	50798.8586730335	880177.17120250766	39.29205304702965	-0.06200932	360292.7552973201	4350437.80406753	2893.1492432562454	2739.290101975763	2693.701038605907	41.7088132872802	42.48847061095236
641	134	99061	51458.8586730335	880177.17120250766	39.29204951679684	-0.06177083	360493.7688549252	4350433.91778371	2892.0714252180524	2738.1955221806524	2691.056303019188	41.7088132872802	42.48847061095236
642	134	99062	52118.8586730335	880177.17120250766	39.2920458305465	-0.0615374	360694.7822777316	4350429.834	2891.20641280992	2737.033226251036	2688.306571884168	41.7088132872802	42.48847061095236
643	134	99063	52778.8586730335	880177.17120250766	39.29204240580702	-0.06130465	360895.7955659474	4350425.84898754	2889.36665727047	2735.91041708024	2685.622207327986	41.7088132872802	42.48847061095236
644	134	99064	53438.8586730335	880177.17120250766	39.29203878273435	-0.06107156	361096.8087197675	4350421.865528985	2886.748975358733	2734.7961621230015	2683.8283913161565	41.7088132872802	42.48847061095236
645	134	99065	54098.8586730335	880177.17120250766	39.29203511473748	-0.06083847	361297.8217394231	4350417.855194134	2884.1012880155023	2733.69893239623	2681.53872178983	41.7088132872802	42.48847061095236
646	134	99066	54758.8586730335	880177.17120250766	39.29203164676537	-0.06060529	361498.78340246	4350413.9840246	2881.435620617257	2732.591625787377	2679.515262578737	41.7088132872802	42.48847061095236
647	134	99067	55418.8586730335	880177.17120250766	39.292027645371046	-0.06037229	361699.8473698874	4350409.93364332	2880.430805332655	2731.4981618489807	2678.278017450894	41.7088132872802	42.48847061095236
648	134	99068	56078.8586730335	880177.17120250766	39.29202344051153	-0.0601392	361900.5895931683	4350405.93	2881.0328617437567	2730.4058839278497	2676.761362	41.7088132872802	42.48847061095236
649	134	99069	56738.8586730335	880177.17120250766	39.2920199930786	-0.05990612	362101.872480227	4350401.94652628	2881.634914961178	2729.32148175132	2674.52327235891	41.7088132872802	42.48847061095236
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654	134	99074	60038.8586730335	880177.17120250766	39.29200007626714	-0.05874067	363106.9329118379	4350382.03209718	2882.106265419027	2723.6699811688286	2666.487103899163	41.7088132872802	42.48847061095236
655	134	99075	60698.8586730335	880177.17120250766	39.291995957838035	-0.05850758	363307.946009277	4350378.4097578	2880.84104740638	2722.4706260757	2665.0587417901015	41.7088132872802	42.48847061095236
656	134	99076	61358.8586730335	880177.17120250766	39.2919917462517	-0.05827449	363508.956158084	4350374.07790892	2880.305420409816	2721.253510165055	2663.73395223475	41.7088132872802	42.48847061095236
657	134	99077	62018.8586730335	880177.17120250766	39.29198776828194	-0.0580414	363709.967835249	4350370.08563212	2881.76330571477	2720.028975403807	2662.16678790805	41.7088132872802	42.48847061095236
658	134	99078	62678.8586730335	880177.17120250766	39.29198332971214	-0.05780831	363910.978774422	4350366.104127708	2880.2213405963787	2719.105346890367	2661.1073548602867	41.7088132872802	42.48847061095236
659	134	99079	63338.8586730335	880177.17120250766	39.2919791771361	-0.05757495	364110.96024017	4350362.1394074	2879.3188037254	2718.16321824803	2660.181524803	41.7088132872802	42.48847061095236
660	134	99080	63998.8586730335	880177.17120250766	39.29197489113259	-0.05734213	364310.90170153493	4350358.141231865	2878.542237584466	2717.25622982963	2659.371944201311	41.7088132872802	42.48847061095236
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662	134	99082	65318.8586730335	880177.17120250766	39.2919658924169	-0.05687595	364715.0227401036	4350350.19703259	2881.25174922337	2713.426529300331	2656.194891128313	41.7088132872802	42.48847061095236
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664	134	9											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
3	15	99163	-369621.1413	880837.3170250766	39.26693862383446	-102.1047766	232214.968648708554	4533215.9273938119	3994.9298278191727	3800.3624875065932	3746.687363341034	3748.90439011687	51.67512371358804	51.4575170407527
4	15	99164	-369691.1413	880837.3170250766	39.26696314623204	-102.1024481	222416.9352053056	4533211.621685004	3987.904073685163	3796.366785680886	3747.232840503713	3747.173109020183	51.703334837173	51.7573676628735
5	15	99165	-369741.1413	880837.3170250766	39.26698694041726	-102.1007156	222485.2501515678	4533183.6018544	3980.875651711475	3797.6051851533	3748.68742107454	3748.90439011687	51.67512371358804	51.4575170407527
6	15	99166	-369741.1413	880837.3170250766	39.26701406119012	-102.0977781	222485.2501515678	4533183.6018544	3980.875651711475	3797.6051851533	3748.68742107454	3748.90439011687	51.67512371358804	51.4575170407527
7	15	99167	-369681.1413	880837.3170250766	39.26703911695058	-102.0954546	233019.53095091597	4533195.3905118	3968.203694880188	3794.626491403696	3742.248958680286	3742.248958680286	51.67512371358804	51.4575170407527
8	15	99168	-3696321.1413	880837.3170250766	39.2670412769864	-102.093124	232220.6704193778	4533195.3905118	3963.91706766131	3793.173036444696	3741.274911796783	3741.274911796783	51.67512371358804	51.4575170407527
9	15	99169	-369661.1413	880837.3170250766	39.2670890343421	-102.0907935	233421.8089710263	4533191.29831278	3959.659719430568	3791.710303821713	3738.745831610663	3738.745831610663	51.67512371358804	51.4575170407527
10	15	99170	-365001.1413	880837.3170250766	39.26711401415722	-102.088463	233622.9427439542	4533187.189	3955.387131307663	3790.237365769348	3740.2884519975264	3740.2884519975264	51.67512371358804	51.4575170407527
11	15	99171	-365441.1413	880837.3170250766	39.2671386896767	-102.086187	233622.9427439542	4533187.189	3955.387131307663	3790.237365769348	3740.2884519975264	3740.2884519975264	51.67512371358804	51.4575170407527
12	15	99172	-365681.1413	880837.3170250766	39.2671632054651	-102.083919	234025.2270725069	4533178.97429393	3951.45702155259	3787.252950325007	3729.209513510567	3729.209513510567	51.67512371358804	51.4575170407527
13	15	99173	-363021.1413	880837.3170250766	39.26718850250615	-102.0814714	234226.36557573674	4533178.97429393	3951.45702155259	3787.252950325007	3729.209513510567	3729.209513510567	51.67512371358804	51.4575170407527
14	15	99174	-362361.1413	880837.3170250766	39.2672134692033	-102.0791409	234427.50381355583	4533170.770787568	3949.065841272626	3784.225066798075	3720.05808690205	3720.05808690205	51.67512371358804	51.4575170407527
15	15	99175	-361701.1413	880837.3170250766	39.2672379458267	-102.0768103	234628.617945175175	4533166.66755954	3952.277384059983	3782.68689794803	3715.226641167744	3715.226641167744	51.67512371358804	51.4575170407527
16	15	99176	-361041.1413	880837.3170250766	39.26726259322948	-102.0744798	234829.7795045871	4533162.56291696	3959.8902036249	3781.1367333789789	3710.251489764217	3710.251489764217	51.67512371358804	51.4575170407527
17	15	99177	-360381.1413	880837.3170250766	39.2672871988634	-102.0721492	235030.9158546074	4533158.456989801	3957.919034576843	3779.567387963174	3708.408698910055	3708.408698910055	51.67512371358804	51.4575170407527
18	15	99178	-359721.1413	880837.3170250766	39.26731179	-102.0698167	235222.054118438	4533154.3558152498	3978.1398589176	3777.077157883274	3701.064949297047	3701.064949297047	51.67512371358804	51.4575170407527
19	15	99179	-359061.1413	880837.3170250766	39.26733627592585	-102.0674882	235433.910646493	4533150.25259307	3978.87017415119	3776.3614225473198	3709.766096164075	3709.766096164075	51.67512371358804	51.4575170407527
20	15	99180	-358401.1413	880837.3170250766	39.2673607456878	-102.0651576	235634.3277287693	4533146.149	3978.56159927066	3774.7169325405583	3695.359012250603	3695.359012250603	51.67512371358804	51.4575170407527
21	15	99181	-357741.1413	880837.3170250766	39.267385171269705	-102.0628271	235835.4641288705	4533142.04605609	3978.43243826214	3773.040869734334	3693.19630997114	3693.19630997114	51.67512371358804	51.4575170407527
22	15	99182	-357081.1413	880837.3170250766	39.2674095183835	-102.0604965	236036.6002670072	4533137.943026039	3978.04306382361	3771.329942700726	3691.08602048467	3691.08602048467	51.67512371358804	51.4575170407527
23	15	99183	-356421.1413	880837.3170250766	39.2674338793445	-102.0581626	236237.7361738046	4533138.84174263	3947.96796300712	3769.581262879367	3689.07420207152	3689.07420207152	51.67512371358804	51.4575170407527
24	15	99184	-355761.1413	880837.3170250766	39.26745817759043	-102.0558354	236438.6177520048	4533129.739126855	3968.07676988443	3767.94186232288	3687.36311316223	3687.36311316223	51.67512371358804	51.4575170407527
25	15	99185	-355101.1413	880837.3170250766	39.26748251346541	-102.0535121	236639.5473115685	4533120.62840584	3968.07676988443	3767.94186232288	3687.36311316223	3687.36311316223	51.67512371358804	51.4575170407527
26	15	99186	-354441.1413	880837.3170250766	39.26750506238523	-102.0511743	236841.142203934	4533121.53510233	3957.292787085894	3764.09264011295	3683.520474	3683.520474	51.67512371358804	51.4575170407527
27	15	99187	-353781.1413	880837.3170250766	39.2675307748528	-102.0488438	237042.2770335778	4533113.33878804	3952.882150637685	3762.0988880043	3681.84276112455	3681.84276112455	51.67512371358804	51.4575170407527
28	15	99188	-353121.1413	880837.3170250766	39.2675548897467	-102.0465132	237243.411600295	4533113.33878804	3949.952340379236	3760.2261121435274	3680.871588726093	3680.871588726093	51.67512371358804	51.4575170407527
29	15	99189	-352461.1413	880837.3170250766	39.2675788550655	-102.0441827	237444.54591615248	4533109.2104758	3947.022635	3758.235782593054	3679.384054361683	3679.384054361683	51.67512371358804	51.4575170407527
30	15	99190	-351801.1413	880837.3170250766	39.267602975913146	-102.0418251	237645.68	4533105.12936124	3944.09287768455	3756.209858	3678.09279552477	3678.09279552477	51.67512371358804	51.4575170407527
31	15	99191	-351141.1413	880837.3170250766	39.26762691574065	-102.0396215	237846.8138551683	4533101.02840584	3942.52708619581	3754.144132044	3676.97453182761	3676.97453182761	51.67512371358804	51.4575170407527
32	15	99192	-350481.1413	880837.3170250766	39.2676508190949	-102.0373179	238047.9473853872	4533106.9271421955	3942.52708619581	3754.144132044	3676.97453182761	3676.97453182761	51.67512371358804	51.4575170407527
33	15	99193	-349821.1413	880837.3170250766	39.267676723131	-102.0348604	238249.0805554529	4533092.827601408	3942.123486013027	3749.915243383607	3674.931773307064	3674.931773307064	51.67512371358804	51.4575170407527
34	15	99194	-349161.1413	880837.3170250766	39.2676977639484	-102.0325299	238450.2136661035	4533088.726694141	3941.921607830225	3747.752971074487	3674.021985154664	3674.021985154664	51.67512371358804	51.4575170407527
35	15	99195	-348501.1413	880837.3170250766	39.2677224033394	-102.0301993	238651.3464172806	4533084.626508464	3940.560311341396	3745.575532170786	3673.036915525556	3673.036915525556	51.67512371358804	51.4575170407527
36	15	99196	-347841.1413	880837.3170250766	39.267746153414716	-102.0278687	238852.4789094508	4533080.527	3938.03377666046	3743.37378889974	3672.339221810316	3672.339221810316	51.67512371358804	51.4575170407527
37	15	99197	-347181.1413	880837.3170250766	39.267768587137405	-102.0255382	239053.6114274757	4533076.427	3935.5184439878134	3741.155372901088	3671.508429582638	3671.508429582638	51.67512371358804	51.4575170407527
38	15	99198	-346521.1413	880837.3170250766	39.267792519134794	-102.0232076	239254.7431172559	4533072.301704173	3933.92713202028	3739.82307025484	3670.42869501358	3670.42869501358	51.67512371358804	51.4575170407527
39	15	99199	-345861.1413	880837.3170250766	39.267817134474075	-102.020877	239465.678433973	4533068.22787866	3931.828129736956	3737.68129736956	3668.908984788827	3668.908984788827	51.67512371358804	51.4575170407527
40	15	99200	-345201.1413	880837.3170250766	39.2678407	-102.0185464	239657.0063	4533064.128463353	3927.835831300214	3734.430976507337	3670.10040895352	3670.10040895352	51.67512371358804	51.4575170407527
41	15	99201	-344541.1413	880837.3170250766	39.26786423011081	-102.0162159	239858.137491171	4533060.029	3925.27356213248	3732.17487370647	3669.652286206503	3669.652286206503	51.67512371358804	51.4575170407527
42	15	99202	-343881.1413	880837.3170250766	39.26788771	-102.0138853	240059.268431196	4533055.93090790	3922.687811316543	3729.91493479877	3669.08348867528	3669.08348867528	51.67512371358804	51.4575170407527
43	15	99203	-343221.1413	880837.3170250766	39.26791114569153	-102.0115547	240260.39917141612	4533051.83194256	3919.98917451623	3727.91682899741	3668.448280800763	3668.448280800763	51.67512371358804	51.4575170407527
44	15	99204	-342561.1413	880837.3170250766	39.2679345359077	-102.0092421	240461.529526387	4533047.7348677	3917.17725850732	3725.96179753597	3667.826405180198	3667.826405180198	51.67512371358804	51.4575170407527
45	15	99205	-341901.1413	880837.3170250766	39.26795791474708	-102.006978	240661.6978718146	4533043.59293698	3915.0469230875	3723.97457894128	3667.174215982734	3667.174215982734	51.67512371358804	51.4575170407527
46	15	99206	-341241.1413	880837.3170250766	39.26798118145679	-102.004563	240863.789624419	4533039.53115108	3911.553358518616	3721.66216395066	3666.7328047851	3666.7328047851	51.67512371358804	51.4575170407527
47	15	99207	-340581.1413	880837.3170250766	39.26800436683465	-102.0022324	241064.918281259	4533035.43927103	3910.058379234073	3718.600874				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKg.ft	BREIEVLothKgm.ft	SatHtLothKgm.ft	SatHtLothKgm.ft
129	93	99289	-286461.1413	880837.3170250766	39.28975817783646	-101.8111197	275566.86824906	435270.066397367	352.2727225840265	3556.2826376511575	3503.7785176912926	3503.626010052247	3520.119959684965	52.656638148910366
130	93	99290	-285801.1413	880837.3170250766	39.28977769673654	-101.808789	275575.8058824982	4352695.884	374.95456654677341	3554.63268289818	3498.2302762067954	3497.3354683832771	57.4850097760045	57.4850097760045
131	93	99291	-285141.1413	880837.3170250766	39.28979170619025	-101.8064663	275581.9146984319	4352691.90787439	373.9213247891184	3552.964049853968	3493.0019632810392	3491.228081	58.9648611245332	61.7378437092785
132	93	99292	-284481.1413	880837.3170250766	39.28981659948384	-101.8041276	275810.0232423787	4352697.821107081	374.411326239507	3551.3093920484876	3487.755841928991	3486.0211824129515	63.5353412459655	65.2875706
133	93	99293	-283821.1413	880837.3170250766	39.28983553210092	-101.8017969	275831.1316108748	4352683.739772732	374.6741640899599	3549.65368892286	3481.98470553525	3476.03560615054	67.6688033876078	73.2196258
134	93	99294	-283161.1413	880837.3170250766	39.28985632316026	-101.7994662	275852.2398754878	4352679.65839214	374.53184896389	3547.99662271215877	3475.374421538256	3469.03510053103	72.6240211833319	78.9631076685467
135	93	99295	-282501.1413	880837.3170250766	39.28987352316026	-101.7971355	275863.3476546353	4352675.57742235	374.2142109990047	3546.33498525511	3468.0092144079085	3464.3173355131706	78.9324744780266	82.0260227425409
136	93	99296	-281841.1413	880837.3170250766	39.2898938476553	-101.7948048	275894.45518762447	4352671.49673793	373.585502499661	3544.68953946549	3460.77368223479	3462.104448	83.73147124201921	82.5895514008888
137	93	99297	-281181.1413	880837.3170250766	39.28991306584416	-101.7924741	275915.6565688375	4352667.161122879	373.9297874840096	3543.03449859886	3453.74118652886	3456.860527155847	86.2833122603387	86.17897138304432
138	93	99298	-280521.1413	880837.3170250766	39.2899322170515	-101.7901434	275936.66971370515	4352663.335700487	373.67237570516	3541.374823655784	3447.0461910212864	3447.03021274014	91.342727344515	91.3427097017738
139	93	99299	-279861.1413	880837.3170250766	39.28995314103946	-101.7878127	275967.776619543	4352659.2546908	373.431232667073	3539.7224048637772	3440.796852	3439.7817611494	98.9255517488727	99.9332272228327
140	93	99300	-279201.1413	880837.3170250766	39.2899704097516	-101.785482	275978.8832675427	4352655.175430235	373.2014518472479	3538.069050408842	3433.9667527995227	3431.755769495127	104.1022976129193	104.1022976129193
141	93	99301	-278541.1413	880837.3170250766	39.28998934346564	-101.7831513	275989.88917852023	4352651.09582361	373.0731842777955	3536.342848413919	3426.4879603827	3427.0425173231237	109.93748327999221	109.3822748179553
142	93	99302	-277881.1413	880837.3170250766	39.290000841	-101.7808206	276017.0959117464	4352647.015928181	372.82340790516452	3534.807905160452	3419.394708042677	3425.73632442807	115.413196717771	105.0266868181711
143	93	99303	-277221.1413	880837.3170250766	39.29002374581967	-101.778489	260372.20168811357	4352642.936461083	372.573720698988	3533.269885704716	3411.8877959921542	3423.52844040611	121.40208971256197	97.737049000548
144	93	99304	-276561.1413	880837.3170250766	39.29004623446964	-101.7761591	260573.30758744138	4352638.85178767	372.4118870902458	3531.89246458512	3403.660545479066	3411.94305709095	128.2319503104054	99.849119073471
145	93	99305	-275901.1413	880837.3170250766	39.290065078101264	-101.7738284	260774.4137006194	4352634.77015719	372.2479977	3529.65468551552	3396.127328614438	3445.1950141583834	132.5273993711404	85.45945439316847
146	93	99306	-275241.1413	880837.3170250766	39.29008388	-101.7714977	260975.518351815	4352630.495921236	372.045106077236	3529.473902075341	3392.1468776735123	3442.271369508906	147.3317040182857	87.2025351245438
147	93	99307	-274581.1413	880837.3170250766	39.2910263031013	-101.769167	261176.6232601266	4352626.208051211	371.7345843051175	3528.31196306932	3392.82282	3436.09090024918	135.48914278506163	92.12216624774372
148	93	99308	-273921.1413	880837.3170250766	39.2912133888721	-101.7668363	261377.7208914927	4352622.6208633	371.292053304656	3527.155025353919	3394.558331302635	3422.978796033928	132.59669405155546	104.7227293205281
149	93	99309	-273261.1413	880837.3170250766	39.291400246601	-101.7645056	261578.832673054	4352618.43692502	370.84657736194	3525.997749179946	3395.1745024021484	3399.75775939535	130.822293779792	126.2409755908884
150	93	99310	-272601.1413	880837.3170250766	39.29158620594465	-101.7621748	261779.33659378083	4352614.385656701	370.4502395077777	3524.83748621749	3396.0674967010301	3392.53844040611	142.00208971256197	152.2858572399186
151	93	99311	-271941.1413	880837.3170250766	39.291769450585	-101.759844	261995.372839895	4352610.3405438	369.841903199592	3516.5311471256073	3398.89565222356	3392.431642805236	152.2858572399186	152.2858572399186
152	93	99312	-271281.1413	880837.3170250766	39.291952372011229	-101.7575134	262182.1448379154	4352606.2399285	370.080989849515	3522.500539634115	3413.10318597119	3293.988062633493	109.3970136626261	128.0513370009282
153	93	99313	-270621.1413	880837.3170250766	39.29214206579566	-101.7551827	262383.284342859	4352602.152	370.511047138191	3521.3222932764957	3421.508683729915	3398.183095468066	235.213137409896294	134.980137409896294
154	93	99314	-269961.1413	880837.3170250766	39.2923264964384	-101.7528519	262584.3517957963	4352598.074832215	370.64219624556	3520.136212807803	3428.0300530157815	3287.836186390185	126.19579200223	232.3000486078502
155	93	99315	-269301.1413	880837.3170250766	39.29252104	-101.7505212	262785.4542269573	4352593.97831592	370.4573286323456	3518.8400720062033	3423.9451136340223	3303.95117601136	85.9617902371809	214.9802812250637
156	93	99316	-268641.1413	880837.3170250766	39.29269368442475	-101.7481905	262986.557815073	4352589.92039356	369.5610511247385	3517.38989411727	3436.641113503381	3333.9454579307	107.09645013416	183.5915378186548
157	93	99317	-267981.1413	880837.3170250766	39.2928769023388	-101.7458168	263187.6604723445	4352585.84055454	368.941584199592	3516.5311471256073	3398.89565222356	3392.431642805236	152.2858572399186	152.2858572399186
158	93	99318	-267321.1413	880837.3170250766	39.293061169458	-101.743529	263495.723839895	4352581.76761031	368.554316486074	3515.173879	3424.996315987428	3392.431642805236	134.980137409896294	134.980137409896294
159	93	99319	-266661.1413	880837.3170250766	39.293234162020276	-101.7411983	263689.8650876436	4352577.61095832	367.952762531356	3514.100615	3445.76152675948	3392.431642805236	102.6735214309657	102.6735214309657
160	93	99320	-266001.1413	880837.3170250766	39.2934233038459	-101.7388676	263790.76144238	4352573.61486168	368.0073772335454	3512.8772032277498	3448.27514546014	3400.355049	68.6414618	112.52215212712968
161	93	99321	-265341.1413	880837.3170250766	39.29360345372117	-101.7365368	263992.0688675855	4352569.33828768	368.0319192135736	3511.6491597876957	3450.444233681815	3409.2589393873286	61.20482959195145	108.0896580036713
162	93	99322	-264681.1413	880837.3170250766	39.29378532038986	-101.7342061	264193.1705376296	4352565.46298975	369.163101392575	3510.41770567663	3452.328482362957	3408.26564777339	80.0890820470833	102.1519227412622
163	93	99323	-264021.1413	880837.3170250766	39.2939636533805	-101.7318753	264394.2714146612	4352561.38726028	368.925457000979	3509.16222899322	3453.99628137684	3415.769562650481	93.1452743845718	93.1452743845718
164	93	99324	-263361.1413	880837.3170250766	39.2941451169458	-101.729441	264595.372839895	4352557.131917151	368.581829451895	3507.94399165598	3442.44491464183	3412.511624225037	85.487786237396	85.487786237396
165	93	99325	-262701.1413	880837.3170250766	39.29432369683965	-101.7272138	264796.4734051643	4352553.23666289	367.9214182693328	3506.78363	3456.38000101901	3430.05862361237	50.3294331958849	76.5642607337324
166	93	99326	-262041.1413	880837.3170250766	39.29450359122214	-101.7248831	264957.573989157	4352549.161999984	369.0591010357302	3505.464105084116	3456.5730166195017	3436.2973193270145	48.9108046	69.1667857579307
167	93	99327	-261381.1413	880837.3170250766	39.2946842845852	-101.7225524	265198.6731679636	4352545.888767593	370.041813888765	3504.225643474483	3455.982672572512	3439.83726026387	48.9108046	69.1667857579307
168	93	99328	-260721.1413	880837.3170250766	39.29486055409785	-101.7202216	265399.7744118535	4352541.012048509	370.3913514253613	3502.98422890404	3454.9834157549085	3439.90385842143	48.9108046	69.1667857579307
169	93	99329	-260061.1413	880837.3170250766	39.2950381973617	-101.717889	265600.8742751418	4352537.93575925	370.3913514253613	3502.98422890404	3454.9834157549085	3439.90385842143	48.9108046	69.1667857579307
170	93	99330	-259401.1413	880837.3170250766	39.295215169458	-101.7155802	265817.9739065097	4352532.3620229	370.3913514253613	3502.98422890404	3454.9834157549085	3439.90385842143	48.9108046	69.1667857579307
171	93	99331	-258741.1413	880837.3170250766	39.29539317898	-101.7132807	266024.1724763751	4352527.715241089	370.3913514253613	3502.98422890404	3454.9834157549085	3439.90385842143	48.9108046	69.1667857579307
172	93	99332	-258081.1413	880837.3170250766	39.29557137898	-101.7110887	266234.1724763751	4352522.715241089	370.3913514253613	3502.98422890404	3454.9834157549085	3439.90385842143	48.9108046	69.1667857579307
173	93	99333	-257421.1413	880837.3170250766	39.29574922288415	-101.7085679	266405.2741459833	4352520.642	369.8147466782					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevKgrg.ft	SatHtKgrg.ft	SatHtKgrg.ft
25	135	99415	-203030.1413	880837.3170250766	39.29186303421454	-101.5117443	282894.81615921035	4352187.2463724585	354.906361292336	3418.70010459493284	3353.78193192513651	3366.545116208517	3418169129456777	52.15489925081147
256	135	99416	-202621.1413	880837.3170250766	39.29187688062925	-101.5151122	283095.6968434881	4352183.184984798	3513.524482576517	3417.4169632318437	3352.4101974	3363.5019320270324	3418169129456777	52.15489925081147
257	135	99417	-201881.1413	880837.3170250766	39.2918968202234	-101.5157184	283296.7788140462	4352183.184984798	3486.123240678864	3406.89482198881	3347.1423063416582	3359.819218418072	3418169129456777	52.15489925081147
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259	135	99419	-200661.1413	880837.3170250766	39.291918149743566	-101.5081197	283698.9384812896	4352176.010261581	3507.551584307052	3413.161357	3348.147855462493	3357.236213823231	3418169129456777	52.15489925081147
260	135	99420	-200001.1413	880837.3170250766	39.291931807167165	-101.5057889	283900.0184454853	4352166.969810457	3502.5151814762894	3411.621749914986	3348.01975666054413	3353.6951531183287	3418169129456777	52.15489925081147
261	135	99421	-199341.1413	880837.3170250766	39.29194544	-101.503458	284101.0978631055	4352162.01989953	3497.478778602503	3410.400227808658	3347.465860148836	3353.969600286186	3418169129456777	52.15489925081147
262	135	99422	-198681.1413	880837.3170250766	39.2919590136261	-101.5011272	284302.177068256	4352158.454620605	3492.442757287163	3408.398988719985	3347.261449522734	3350.858997563919	3418169129456777	52.15489925081147
263	135	99423	-198021.1413	880837.3170250766	39.29197245924545	-101.4987195	284503.2569068129	4352154.789270786	3488.123240678864	3406.89482198881	3347.1423063416582	3359.819218418072	3418169129456777	52.15489925081147
264	135	99424	-197361.1413	880837.3170250766	39.29198601116648	-101.496465	284704.3348110963	4352150.73272104	3484.521711619954	3403.945113451906	3346.960241944841	3348.594202015027	3418169129456777	52.15489925081147
265	135	99425	-196701.1413	880837.3170250766	39.29199947238567	-101.4941347	284905.413409301	4352146.67210416	3480.919503170141	3403.042059250926	3346.26210279569	3347.261449522734	3418169129456777	52.15489925081147
266	135	99426	-196041.1413	880837.3170250766	39.29201268583014	-101.4918038	285106.4917653515	4352142.62024612	3477.7176342712638	3405.05229594334	3344.205606074335	3344.73070151027144	3418169129456777	52.15489925081147
267	135	99427	-195381.1413	880837.3170250766	39.29202621975848	-101.489473	285307.5699103029	4352136.46496858	3474.668751373076	3398.93246734022	3339.291720574594	3342.37622639356	3418169129456777	52.15489925081147
268	135	99428	-194721.1413	880837.3170250766	39.29203925912074	-101.4871421	285508.76474351084	4352130.50883229	3472.972746208578	3396.691106827518	3342.2384266309364	3342.37622639356	3418169129456777	52.15489925081147
269	135	99429	-194061.1413	880837.3170250766	39.29205276704373	-101.4848113	285709.725566394	4352124.05387437	3471.276776808474	3394.33566422344	3342.37622639356	3342.37622639356	3418169129456777	52.15489925081147
270	135	99430	-193401.1413	880837.3170250766	39.2920690315343	-101.4824805	285910.8037036515	4352126.39	3469.580971531173	3391.889841117715	3341.179445303234	3343.076684803193	3418169129456777	52.15489925081147
271	135	99431	-192741.1413	880837.3170250766	39.29207917	-101.4801498	286111.88037462185	4352122.32433563	3468.06923881595	3389.38871	3340.166603131645	3342.309986186996	3418169129456777	52.15489925081147
272	135	99432	-192081.1413	880837.3170250766	39.29209230306834	-101.4778188	286312.964563946	4352118.286730153	3466.743227184239	3386.632436290372	3338.985992	3342.37622639356	3418169129456777	52.15489925081147
273	135	99433	-191421.1413	880837.3170250766	39.29210538135051	-101.4754879	286514.0344382287	4352114.23669733	3465.416830380474	3384.355229972567	3338.086753585347	3340.147041593684	3418169129456777	52.15489925081147
274	135	99434	-190761.1413	880837.3170250766	39.29211841732144	-101.4731571	286715.111037565	4352110.13996368	3463.822303372584	3381.822303372584	3337.346789943404	3340.714554	3418169129456777	52.15489925081147
275	135	99435	-190101.1413	880837.3170250766	39.29213141	-101.4708262	286916.187422035	4352106.125114059	3462.65033829883	3379.394958112062	3338.2562019080506	3340.714554	3418169129456777	52.15489925081147
276	135	99436	-189441.1413	880837.3170250766	39.292145434915	-101.4684854	287117.2637212154	4352102.01	3461.1046272329683	3376.89398188682	3337.346789943404	3340.714554	3418169129456777	52.15489925081147
277	135	99437	-188781.1413	880837.3170250766	39.29215937152706	-101.465834	287324.309389554	4352097.13041247	3459.842781165213	3374.61630242975	3336.424831804547	3338.16425140904	3418169129456777	52.15489925081147
278	135	99438	-188121.1413	880837.3170250766	39.292170111237624	-101.463337	287519.4155900045	4352093.963493348	3458.0716525436	3372.4103963592	3337.73435513384	3341.162814828214	3418169129456777	52.15489925081147
279	135	99439	-187461.1413	880837.3170250766	39.29218292214863	-101.4615028	287720.49211038	4352089.100706762	3455.9451211302956	3369.84843623635	3336.064692704364	3340.714554	3418169129456777	52.15489925081147
280	135	99440	-186801.1413	880837.3170250766	39.2921956803744	-101.459172	287921.5666276946	4352085.85670856	3453.369935782977	3367.6015522473817	3338.014156080258	3340.714554	3418169129456777	52.15489925081147
281	135	99441	-186141.1413	880837.3170250766	39.29220840890388	-101.4568411	288122.6418256246	4352081.80399017	3450.794196024078	3364.057900420876	3338.116293581112	3340.714554	3418169129456777	52.15489925081147
282	135	99442	-185481.1413	880837.3170250766	39.292221064748306	-101.4545103	288323.7169199671	4352077.75067985	3448.218363874304	3363.2672337319	3336.99579682153	3340.714554	3418169129456777	52.15489925081147
283	135	99443	-184821.1413	880837.3170250766	39.29223571527036	-101.4521794	288524.7919359131	4352073.953195131	3446.199140841428	3362.19740814024	3336.237856319673	3340.714554	3418169129456777	52.15489925081147
284	135	99444	-184161.1413	880837.3170250766	39.292249317017007	-101.449486	288736.6618362346	4352069.465	3444.26	3360.95710385	3335.878657698123	3335.878657698123	3418169129456777	52.15489925081147
285	135	99445	-183501.1413	880837.3170250766	39.292258842147525	-101.4475177	288926.9405533046	4352065.59030535	3443.1128902139335	3357.1558821501985	3333.3121465700283	3340.714554	3418169129456777	52.15489925081147
286	135	99446	-182841.1413	880837.3170250766	39.2922713790263	-101.4451868	289128.0147514069	4352061.540076615	3441.871580018616	3355.221580758167	3329.283840123273	3340.714554	3418169129456777	52.15489925081147
287	135	99447	-182181.1413	880837.3170250766	39.2922837886334	-101.442856	289329.088698485	4352057.48801678	3440.189862352075	3353.31706854309	3327.312640028892	3332.99539657181	3418169129456777	52.15489925081147
288	135	99448	-181521.1413	880837.3170250766	39.292296194351835	-101.4405251	289530.1265	4352053.47462118	3439.4059387488003	3351.4849228672695	3325.196431973331	3331.764396810514	3418169129456777	52.15489925081147
289	135	99449	-180861.1413	880837.3170250766	39.29230855903774	-101.4381943	289731.2365058199	4352049.385875882	3438.6290926521256	3349.6863030456374	3323.1500480739735	3331.764396810514	3418169129456777	52.15489925081147
290	135	99450	-180201.1413	880837.3170250766	39.29232037152706	-101.435834	289932.309389554	4352045.31041247	3437.842781165213	3347.61630242975	3336.424831804547	3338.16425140904	3418169129456777	52.15489925081147
291	135	99451	-179541.1413	880837.3170250766	39.29233314134816	-101.433337	290138.38251605036	4352041.282947097	3436.875816250674	3346.178534329765	3335.762467518344198	3335.762467518344198	3418169129456777	52.15489925081147
292	135	99452	-178881.1413	880837.3170250766	39.2923453696897	-101.4310217	290334.45545375834	4352037.231959958	3437.73847098021	3344.499596170104	3315.573069942644	3328.3049942437	3418169129456777	52.15489925081147
293	135	99453	-178221.1413	880837.3170250766	39.2923574576664	-101.4288708	290535.528149137	4352033.18133584	3435.592144896233	3342.820447514675	3313.434585504583	3328.66657640054	3418169129456777	52.15489925081147
294	135	99454	-177561.1413	880837.3170250766	39.292369683142134	-101.42654	290736.600656346	4352029.130501191	3434.54542698311	3341.7702803234	3311.34454844779	3328.3049942437	3418169129456777	52.15489925081147
295	135	99455	-176901.1413	880837.3170250766	39.29238173796903	-101.4242091	290937.6729771424	4352025.3908057356	3433.8020947463554	3339.577317746664	3309.3303493125372	3306.296846612907	3418169129456777	52.15489925081147
296	135	99456	-176241.1413	880837.3170250766	39.29239381923206	-101.4218782	291138.740553372	4352021.932093882	3432.81939192594	3337.9841952574	3308.521712797475	3308.521712797475	3418169129456777	52.15489925081147
297	135	99457	-175581.1413	880837.3170250766	39.29240619230676	-101.419486	291340.618434346	4352017.40017456	3431.8989201921198	3337.023095111581	3307.623095111581	3307.623095111581	3418169129456777	52.15489925081147
298	135	99458	-174921.1413	880837.3170250766	39.29241778	-101.4171265	291540.8886282833	4352012.92967974	3430.81816250674	3336.8480941794234	3306.8480941794234	3306.8480941794234	3418169129456777	52.15489925081147
299	135	99459	-174261.1413	880837.31702507										

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurElev.f	W.L.R	BRIELogKs.f	BRIEBoth.f	SaTLogKs.f	SaTBoth.f	
31x	93y	95541	-120.141,1413	880837.3170250766	29.2932512955579	-121.227352	308229.1433190206	4316677.453193962	31.16,1929161206726	3149.2213416304173	31019.16835035345	3121.076132133137	30.240560130671244	28.145020980880355
382	135	95542	-119.841,1413	880837.3170250766	29.29262130369774	-121.224143	308430.1984033432	4316714.918292299	31.13,1968734018665	3146.657216609776	31.071775529595	31.17835800722197	30.5413905826882	28.28312419882559683
383	135	95543	-119.641,1413	880837.3170250766	29.29237503069774	-121.221625	308430.1984033432	4316714.918292299	31.13,1968734018665	3146.657216609776	31.071775529595	31.17835800722197	30.5413905826882	28.28312419882559683
384	135	95544	-118.614,1413	880837.3170250766	29.2923751502127	-121.216795	308382.3081827779	4316655.30228008	31.13,2323365200808	3141.512314675808	31.0987611915227	31.10436132179703	31.5340655288505	30.468701746077613
385	135	95545	-117.501,1413	880837.3170250766	29.29235553546063	-121.214268	30933.367291101	4316611.31868536	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
386	135	95546	-116.841,1413	880837.3170250766	29.29333534687571	-121.212076	30933.367291101	4316611.31868536	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
387	135	95547	-116.181,1413	880837.3170250766	29.29330149526645	-121.209767	30933.367291101	4316611.31868536	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
388	135	95548	-115.521,1413	880837.3170250766	29.29330399682389	-121.207435	30936.5254935758	4316419.2195335	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
389	135	95549	-114.861,1413	880837.3170250766	29.29331725697501	-121.205140	30937.5753435858	4316419.2195335	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
390	135	95550	-114.201,1413	880837.3170250766	29.29332702271	-121.202779	31038.633025798	4316419.2195335	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
391	135	95551	-113.541,1413	880837.3170250766	29.293323858612	-121.200443	31029.68651543	4316371.12612004	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
392	135	95552	-112.881,1413	880837.3170250766	29.2933456185511	-121.198121	31040.739814801	4316371.12612004	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
393	135	95553	-112.221,1413	880837.3170250766	29.29334824009704	-121.195872	31064.792345947	431629.0587711735	31.13,722451742937	3117.722451742937	31.0436132179703	31.5340655288505	30.468701746077613	28.145020980880355
394	135	95554	-111.561,1413	880837.3170250766	29.29335637319875	-121.193450	31042.845865084	431625.027	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
395	135	95555	-110.901,1413	880837.3170250766	29.29335634615963	-121.191193	31042.845865084	431625.027	31.13,595204417384	3138.925646697439	31.06593576772696	31.0737183543949	32.3205895016954	31.553812384345673
396	135	95556	-110.241,1413	880837.3170250766	29.29337014046694	-121.188784	31124.45171170047	431616.96441863	31.13,31063588059	3109.68925410548	31.0721282122936	31.0745975286295	30.437758410624	28.3933758410624
397	135	95557	-109.581,1413	880837.3170250766	29.293370250766	-121.186475	31164.001404993	431616.96441863	31.13,31063588059	3109.68925410548	31.0721282122936	31.0745975286295	30.437758410624	28.3933758410624
398	135	95558	-108.921,1413	880837.3170250766	29.2933855959521	-121.184126	31164.001404993	431616.96441863	31.13,31063588059	3109.68925410548	31.0721282122936	31.0745975286295	30.437758410624	28.3933758410624
399	135	95559	-108.261,1413	880837.3170250766	29.2933833640512	-121.181796	31184.1077405504	431616.96441863	31.13,31063588059	3109.68925410548	31.0721282122936	31.0745975286295	30.437758410624	28.3933758410624
400	135	95560	-107.601,1413	880837.3170250766	29.2934007271251	-121.179647	312048.159561639	431600.84130021	3299.768295	3098.89112614769	3065.572204	31.3908207101924	32.1284777827928	30.1284777827928
401	135	95561	-106.941,1413	880837.3170250766	29.2934080451671	-121.177137	312250.211189563	431596.01809927	3286.575190386	3096.20412854185	3062.942106867107	31.3064191763438	32.2620216751429	30.2120190748994
402	135	95562	-106.281,1413	880837.3170250766	29.2934151820076	-121.1748028	312451.262651564	431592.7808713615	3283.394743105	3093.527220443607	3060.37393733295	31.3064191763438	32.2620216751429	30.2120190748994
403	135	95563	-105.621,1413	880837.3170250766	29.29342279175905	-121.171681	312650.1302678415	431588.7509813175	3280.26781194086	3090.479368290316	3057.949366729261	31.3064191763438	32.2620216751429	30.2120190748994
404	135	95564	-104.961,1413	880837.3170250766	29.29342972175905	-121.167041	312850.609571415	431584.721200798	3277.33526657415	3087.21879551473	3055.78630320935	30.7399128519217	30.7399128519217	30.205895016954
405	135	95565	-104.301,1413	880837.3170250766	29.29343687126506	-121.167181	313054.415906335	431580.691649575	3273.4731487189176	3085.5667263841	3053.76792906106	31.956137931390974	30.93073323034	28.3933758410624
406	135	95566	-103.641,1413	880837.3170250766	29.2934396005276	-121.165479	313255.466672463	431557.662	3270.64254568115	3083.00149010874	3051.25992902304	31.956137931390974	30.93073323034	28.3933758410624
407	135	95567	-102.981,1413	880837.3170250766	29.29345101	-121.1631482	313456.517639018	431516.73311689	3267.999804126681	3080.438043294343	3049.8629921	31.956137931390974	30.93073323034	28.3933758410624
408	135	95568	-102.321,1413	880837.3170250766	29.2934580183122	-121.1608172	313657.5657137597	431568.04133267	3267.224912911777	3077.90723939077	3049.09428338259	31.956137931390974	30.93073323034	28.3933758410624
409	135	95569	-101.661,1413	880837.3170250766	29.29345849688334	-121.1584863	313858.6176881915	431516.73311689	3266.40501697776	3075.41831664156	3047.5051938760837	31.956137931390974	30.93073323034	28.3933758410624
410	135	95570	-101.001,1413	880837.3170250766	29.2934710811123	-121.156154	314050.647638912	431516.73311689	3265.751307435943	3074.901451130265	3046.9495130265	31.956137931390974	30.93073323034	28.3933758410624
411	135	95571	-100.341,1413	880837.3170250766	29.29347874931264	-121.153824	314260.7174831416	431516.73311689	3264.82026	3073.5058961173352	3044.711740741358	31.956137931390974	30.93073323034	28.3933758410624
412	135	95572	-99.681,1413	880837.3170250766	29.2934857520254	-121.1514935	314461.70767272	431516.73311689	3263.870173043535	3068.197310361757	3042.774605024294	31.956137931390974	30.93073323034	28.3933758410624
413	135	95573	-99.021,1413	880837.3170250766	29.2934923498625	-121.1491266	314662.8165503924	431516.73311689	3262.9336835592	3065.8478324342	3040.93306216243	31.956137931390974	30.93073323034	28.3933758410624
414	135	95574	-98.361,1413	880837.3170250766	29.29349802573545	-121.1468316	314863.8686116453	431516.73311689	3262.01967054439	3063.6243619544	3039.9872964304	31.956137931390974	30.93073323034	28.3933758410624
415	135	95575	-97.701,1413	880837.3170250766	29.29350570727967	-121.1445007	315064.914891584	431516.73311689	3261.046506508	3061.41906613265	3038.70259958073	31.956137931390974	30.93073323034	28.3933758410624
416	135	95576	-97.041,1413	880837.3170250766	29.29351241296258	-121.1421698	315265.930939329	431516.73311689	3260.4542278473	3059.20753957485	3037.358437609197	31.956137931390974	30.93073323034	28.3933758410624
417	135	95577	-96.381,1413	880837.3170250766	29.293519027524	-121.139709	315468.061145543	431516.73311689	3259.8451927607	3057.18379192264	3035.78630320935	31.956137931390974	30.93073323034	28.3933758410624
418	135	95578	-95.721,1413	880837.3170250766	29.293525632708524	-121.137579	315688.061145543	431516.73311689	3259.032872523	3055.2330356834	3033.74731473	31.956137931390974	30.93073323034	28.3933758410624
419	135	95579	-95.061,1413	880837.3170250766	29.293532078524	-121.1351769	315893.05908938	431516.73311689	3258.23203535634	3053.17647362318	3031.95819157691	31.956137931390974	30.93073323034	28.3933758410624
420	135	95580	-94.401,1413	880837.3170250766	29.2935385343355	-121.132846	316105.17567675	431516.73311689	3257.451027117512	3051.263837951345	3030.0618626498	31.956137931390974	30.93073323034	28.3933758410624
421	135	95581	-93.741,1413	880837.3170250766	29.2935445908938	-121.1305151	316271.206575182	431516.73311689	3256.618186457727	3049.405916195997	3028.975893366123	31.956137931390974	30.93073323034	28.3933758410624
422	135	95582	-93.081,1413	880837.3170250766	29.2935513235044	-121.128314	316472.25491674	431516.73311689	3255.76419651084	3047.600113205875	3026.984433629	31.956137931390974	30.93073323034	28.3933758410624
423	135	95583	-92.421,1413	880837.3170250766	29.29355786102871	-121.1261352	316673.3011285193	431516.73311689	3254.90502709984	3045.8111945434	3024.9719245216	31.956137931390974	30.93073323034	28.3933758410624
424	135	95584	-91.761,1413	880837.3170250766	29.293564307656	-121.123917	316874.3011285193	431516.73311689	3254.051927607	3043.92327616397	3022.97456858182	31.956137931390974	30.93073323034	28.3933758410624
425	135	95585	-91.101,1413	880837.3170250766	29.29357107096478	-121.121913	317075.39564076	431516.73311689	3253.200691130385	3042.04823577538	3020.966617	31.9561		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIEVLogsKrg.f	BRIEVbothKrg.f	SatHLogs.f	SatHboth.f
507	195	9667	-36981.14133	880837.3170250766	39.29392842	-00.9300632	33560.6828535657	43151.707641339	3078.3438033603074	2596.220972946935	2925.1967973267697	31.0255686330078	31.0247156719723792
508	195	9668	-36321.14133	880837.3170250766	39.29393052234398	-00.9277222	333761.7154996251	43151.661861	3077.301291620104	2595.2069244747927	2922.5207901156396	32.6861343591513	31.66174466540343
509	195	9669	-35681.14133	880837.3170250766	39.29393776879814	-00.9258312	333983.7484518453	43151.62451472755	3075.2577768719629	2594.1918005482934	2921.8194005482934	33.13089526781922	32.37122727217836
510	195	9670	-35001.14133	880837.3170250766	39.2939357893939	-00.9230063	334163.7812422293	43151.621641774534	3075.126268139697	2593.71762215671625	2919.714212356438	32.60330536316864	32.60330536316864
511	195	9671	-34341.14133	880837.3170250766	39.29393815328072	-00.9207293	334364.8138708065	43151.55432624954	3074.2719652724291	2592.1567907072284	2918.5692377941414	33.5874718130782	33.35662347298294
512	195	9672	-33681.14133	880837.3170250766	39.29394047341916	-00.9183983	334565.8463831364	43151.5062240041	3074.77596228129	2591.1413975891	2917.1560155178863	33.58717816	33.63237397363034
513	195	9673	-33021.14133	880837.3170250766	39.293942787775	-00.9160674	334766.8786442712	43151.4638118167	3074.829929531828	2590.12848034582	2915.774494211718	33.587448560035	33.42339353
514	195	9674	-32361.14133	880837.3170250766	39.293944978967646	-00.9137364	334967.91078952304	43151.4426049674	3074.883964339507	2914.3940537047054	2914.5354434144813	34.75379890224706	34.75379890224706
515	195	9675	-31701.14133	880837.3170250766	39.29394746317223	-00.9114054	335168.9427738078	43151.385961192828	3074.084714130311	2913.0721689139298	2913.15974829309	35.043856253229	34.9562330918922
516	195	9676	-31041.14133	880837.3170250766	39.29394934531123	-00.9090745	335369.9745974895	43151.34572625729	3073.6523257529	2911.1536655184	2911.360074825498	35.043856253229	35.639160503201746
517	195	9677	-30381.14133	880837.3170250766	39.2939514	-00.9067438	335571.006260785	43151.303579	3065.803051032148	2908.127341785571	2908.082775426006	35.043856253229	36.92479705654316
518	195	9678	-29721.14133	880837.3170250766	39.293953449572605	-00.9044126	335772.03736533	43151.265979012	3062.19771948006	2905.142999024805	2905.213673389243	34.985485388449	39.92962163490776
519	195	9679	-29061.14133	880837.3170250766	39.2939554545453	-00.9020816	335973.069106074	43151.2267982224	3060.371391196282	2904.164374146577	2899.673602416456	34.985485388449	44.60894311662878
520	195	9680	-28401.14133	880837.3170250766	39.29395741471174	-00.8997506	336174.1002092575	43151.185551602	3060.5802465503	2903.1908289702	2894.298328330567	34.985485388449	49.1964781079421
521	195	9681	-27741.14133	880837.3170250766	39.29395932974295	-00.8974917	336375.131336658	43151.145452329	3060.592349451683	2902.2118853364	2890.940015977629	34.985485388449	51.53329822769194
522	195	9682	-27081.14133	880837.3170250766	39.29396119974658	-00.8950807	336576.1621783385	43151.1054	3060.6766114412	2901.25391869177	2888.570602774193	35.043856253229	52.8021657456164
523	195	9683	-26421.14133	880837.3170250766	39.29396302472864	-00.8927757	336777.192883252	43151.0532860611	3058.0775065894	2900.28724635323	2886.19085324569	35.043856253229	54.19435232405141
524	195	9684	-25761.14133	880837.3170250766	39.2939640468314	-00.8904268	336978.2234297402	43151.01256	3052.795042595684	2900.3189742275927	2883.250390087056	35.043856253229	56.06858140536586
525	195	9685	-25011.14133	880837.3170250766	39.2939653691204	-00.8880958	337179.25381719606	43150.9815833006	3051.472524532128	2900.345765569895	2879.930505710005	35.043856253229	58.47675476304586
526	195	9686	-24441.14133	880837.3170250766	39.293966295125	-00.8857468	337380.284046971	43150.9451251974	3042.230064684893	2900.374695224006	2876.04923238335	35.043856253229	61.48585790343405
527	195	9687	-23781.14133	880837.3170250766	39.29396874393085	-00.883439	337581.3141664747	43150.905795445	3038.381972345227	2900.3736934954075	2871.980886430716	35.043856253229	64.7926744604068
528	195	9688	-23121.14133	880837.3170250766	39.2939714742524	-00.8811029	337772.344250351	43150.864954512	3036.38469287183	2899.36549287183	2869.29330531716	35.043856253229	67.621735262676
529	195	9689	-22461.14133	880837.3170250766	39.2939741248338	-00.8787719	337963.57038315	43150.823982864	3034.74773636495	2898.45423241167	2868.0502515888	35.043856253229	70.5930891895225
530	195	9690	-21801.14133	880837.3170250766	39.2939745387274	-00.876441	338184.403204404	43150.784471295	3034.1142602498	2900.331011995694	2871.777116230945	35.043856253229	73.595172710045
531	195	9691	-21141.14133	880837.3170250766	39.2939760364806	-00.87411	338385.438194414	43150.7418671491	3032.56565742197	2900.323058214836	2872.810184196292	35.043856253229	76.180971174453
532	195	9692	-20481.14133	880837.3170250766	39.2939774233977	-00.871779	338586.4621013126	43150.6914724048	3030.828549800706	2901.33066237254	2872.5585729020972	35.043856253229	78.595172710045
533	195	9693	-19821.14133	880837.3170250766	39.29397878191293	-00.8694841	338787.491226026	43150.6074762359	3030.09112441794	2900.300299670323	2871.205730728056	35.043856253229	81.595172710045
534	195	9694	-19161.14133	880837.3170250766	39.29398012720246	-00.8671171	338989.520193954	43150.564589115	3028.83896932686	2899.403475068714	2869.502215805434	35.043856253229	84.595172710045
535	195	9695	-18501.14133	880837.3170250766	39.2939814248338	-00.8647861	339189.54960181	43150.521964306	3027.847713636495	2898.45423241167	2868.0502515888	35.043856253229	87.595172710045
536	195	9696	-17841.14133	880837.3170250766	39.2939826521406	-00.8624464	339393.57038315	43150.47343406	3027.07175370777	2897.45423241167	2866.0502515888	35.043856253229	90.595172710045
537	195	9697	-17181.14133	880837.3170250766	39.293984676236	-00.8601242	339591.6061579483	43150.425119958	3026.7958433163	2896.19085324569	2865.02515888	35.043856253229	93.595172710045
538	195	9698	-16521.14133	880837.3170250766	39.2939869635844	-00.8577932	339792.6345001671	43150.374647804	3026.320238306135	2900.345765569895	2869.3903630373	35.043856253229	96.595172710045
539	195	9699	-15861.14133	880837.3170250766	39.2939881092888	-00.8554623	339993.662686197	43150.3245249521	3024.69795251244	2900.374695224006	2867.56026165066	35.043856253229	99.595172710045
540	195	9700	-15201.14133	880837.3170250766	39.293987160473075	-00.8531313	340194.6907711335	43150.2843806491	3023.929072921036	2901.36212526356	2860.49115972612	35.043856253229	102.595172710045
541	195	9701	-14541.14133	880837.3170250766	39.29398874959204	-00.8508003	340396.718929253	43150.2434862115	3022.160110524816	2900.674482713265	2859.488159415962	35.043856253229	105.595172710045
542	195	9702	-13881.14133	880837.3170250766	39.2939914449549	-00.848464	340596.743217454	43150.203924984	3021.102177627305	2900.7454332	2858.502515888	35.043856253229	108.595172710045
543	195	9703	-13221.14133	880837.3170250766	39.29399269585446	-00.8461384	340797.739	43150.16254704855	3020.11713501151	2900.8484489674	2857.683436706676	35.043856253229	111.595172710045
544	195	9704	-12561.14133	880837.3170250766	39.2939938439675	-00.8438074	340989.8012892684	43150.122421912	3019.499974754627	2900.8484489674	2856.25727630402	35.043856253229	114.595172710045
545	195	9705	-11901.14133	880837.3170250766	39.29399718281383	-00.8414765	341199.8264214014	43150.081421	3017.828821871977	2900.8484489674	2855.04330411	35.043856253229	117.595172710045
546	195	9706	-11241.14133	880837.3170250766	39.29399957220484	-00.8391455	341405.5545729636	43150.0414820378	3016.176654040796	2900.8484489674	2854.06994142185	35.043856253229	120.595172710045
547	195	9707	-10581.14133	880837.3170250766	39.293999616570244	-00.8368145	341601.882895356	43150.01451479472	3015.27432	2900.8484489674	2853.04330411	35.043856253229	123.595172710045
548	195	9708	-9921.14133	880837.3170250766	39.29399407515999	-00.8344636	341802.9048260105	43150.010643	3014.157841716933	2900.8484489674	2852.04330411	35.043856253229	126.595172710045
549	195	9709	-9261.14133	880837.3170250766	39.29399789074954	-00.8321158	342004.1926057884	43150.0095945	3013.0481881154828	2900.8484489674	2851.04330411	35.043856253229	129.595172710045
550	195	9710	-8601.14133	880837.3170250766	39.29399527951259	-00.8298216	342204.962057884	43150.0084	3012.000000000000	2900.8484489674	2850.04330411	35.043856253229	132.595172710045
551	195	9711	-7941.14133	880837.3170250766	39.29399634775406	-00.8274907	342405.88837407	43150.00944065611	3011.042647548785	2900.8484489674	2849.04330411	35.043856253229	135.595172710045
552	195	9712	-7281.14133	880837.3170250766	39.2939963012624	-00.8251597	342607.01511578716	43150.0084462248	3010.04103305152	2900.8484489674	2848.04330411	35.043856253229	138.595172710045
553	195	9713	-6621.14133	880837.3170250766	39.2939983724185	-00.8228287	342808.0411411594	43150.0084038825	3009.04330411	2900.8484489674	2847.04330411	35.043856253229	141.595172710045
554	195	9714	-5961.14133	880837.3170250766	39.29399726641009	-00.8204878	343009.067136949	43150.008401682375	3008.04330411	2900.8484489674	2846.04330411	35.043856253229	144.595172710045
555	195	9715	-5301.14133	880837.3170250766	39.29399765057038	-00.8181688	343210.927338279	43150.008401682375	3007.04330411	2900.8484489674	2845.04330411	35.043856253229	147.595172710045
556	195	9716	-4641.14133										

ix	iy	x.ft	y.ft	Latitude	Longitude	UTMR-X	UTMR-Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft	
633	ix	99793	46178.8586773035	880837.3170250766	39.293888891134664	-100.6363515	55888.4572370676	4350666.848908317	2907.643148574656	274.5224803108574	2712.311419	2712.482800535777	34.01210551754519	34.03963355497909
634	ix	99794	46183.8586773035	880837.3170250766	39.29388571827373	-100.6342026	55900.06	4350662.89443203	2906.163186540224	2745.330522917247	2710.540548335966	2710.562506203612	34.761870228012725	34.761870228012725
635	ix	99795	46188.8586773035	880837.3170250766	39.2938825038737	-100.6316896	55891.8712083655	4350658.912498662	2904.584681397148	2743.148191817171	2707.93880127344663	2707.93880127344663	36.17532431519427	36.17532431519427
636	ix	99796	46193.8586773035	880837.3170250766	39.293879237475615	-100.6293586	55942.6882475904	4350652.952625689	2902.762582620818	2742.9785612455175	2705.2716208012617	2705.281132123376	37.70653949761528	37.70724211337616
637	ix	99797	461818.8586773035	880837.3170250766	39.29387592953839	-100.6270277	55963.70215054054	4350650.940432366	2901.229990781491	2741.871814425456	2702.515636314036	2702.1728075789047	39.902782128509685	39.6450108634089
638	ix	99798	46184.8586773035	880837.3170250766	39.293872576575794	-100.6246967	55984.719178779	4350646.954821396	2899.552737691636	2740.665813460332	2699.680383113544	2699.272366411275	40.327751567756	41.39344705175699
639	ix	99799	46188.8586773035	880837.3170250766	39.29386917858775	-100.6223586	56005.72954881297	4350642.969387056	2898.219848	2739.5213722589434	2696.76382982749	2695.94337355693	42.75843324811511	43.57735342021076
640	ix	99800	50798.8586773035	880837.3170250766	39.29386573574336	-100.6200348	56026.7430465509	4350638.94140251	2897.540110668795	2738.382765427883	2693.765520514608	2692.741369234035	44.6147902818034	44.6147902818034
641	ix	99801	51458.8586773035	880837.3170250766	39.293862475755515	-100.6177038	56048.7540828963	4350634.99980963	2896.242024268823	2737.245537487704	2691.745537487704	2691.745537487704	45.2568691252689	45.2568691252689
642	ix	99802	52118.8586773035	880837.3170250766	39.29385871447132	-100.6153729	56068.79535253	4350631.012929185	2895.254355282456	2736.120985327016	2687.810504406381	2687.399465744705	48.30909391432075	48.7214259779405
643	ix	99803	5272.8586773035	880837.3170250766	39.29385513638173	-100.6130419	56089.782772646	4350627.029492816	2893.339955665618	2734.90488363741	2684.931825309328	2684.90488363741	50.23589117190051	50.23589117190051
644	ix	99804	53438.8586773035	880837.3170250766	39.293851513266766	-100.610781	56110.795685620	4350623.040528136	2890.499232510617	2732.777249902123	2682.76587265895	2682.7673456731753	51.0899034046092	51.0899034046092
645	ix	99805	54098.8586773035	880837.3170250766	39.293847845126436	-100.608311	561301.8085094144	4350618.060718842	2887.6580580732819	2732.767901453587	2680.55808732819	2680.62712425877	52.20962801852195	52.20962801852195
646	ix	99806	54758.8586773035	880837.3170250766	39.29384413196076	-100.606049	561502.9112992567	4350615.076597025	2884.4811778620614	2731.640492809664	2682.4575511620955	2682.568678480193	53.1935415887019	53.1935415887019
647	ix	99807	55418.8586773035	880837.3170250766	39.293840373769726	-100.6037811	561703.8337538315	4350611.052662764	2882.5840173718444	2730.564141400878	2678.679839262566	2678.762074222127	54.88175747	54.88175747
648	ix	99808	56078.8586773035	880837.3170250766	39.29383657055332	-100.6013871	561904.8641779136	4350607.108915779	2880.55022803067	2729.465119836347	2677.4540206045	2677.050095177783	54.68979575401896	54.68979575401896
649	ix	99809	57388.8586773035	880837.3170250766	39.2938327	-100.5990562	562105.854678087	4350603.125833287	2884.1113836766026	2728.364257329865	2677.21470212239	2669.661762124668	56.19284831762618	56.19284831762618
650	ix	99810	57398.8586773035	880837.3170250766	39.2938282904554	-100.5967252	562306.78062311615	4350600.14164334	2884.396973864231	2727.258035236943	2670.802267506307	2670.2025177921346	56.454576751294	57.055132420873
651	ix	99811	58058.8586773035	880837.3170250766	39.29382480075162	-100.5943843	562507.88264619815	4350595.158797964	2882.786990340607	2726.142420031152	2669.471887162015	2667.869959	56.67055484113436	58.27248272086126
652	ix	99812	58718.8586773035	880837.3170250766	39.29382097043447	-100.5920633	562708.9635454084	4350591.175826116	2879.2813474187959	2725.013407124184	2668.2003198192633	2665.4565326441425	57.380730420383	59.5570148004169
653	ix	99813	59038.8586773035	880837.3170250766	39.29381687909147	-100.5897323	562909.9026394381	4350587.192929884	2875.775852999474	2723.867748303564	2666.07859053633	2663.368406050759	59.0894080801553	60.898439025244
654	ix	99814	60038.8586773035	880837.3170250766	39.293812605723164	-100.5874041	563174.89951013794	4350583.210370555	2872.277027621557	2722.700815605768	2665.615973609153	2659.811382917239	62.4894326884941	62.4894326884941
655	ix	99815	60488.8586773035	880837.3170250766	39.2938087622965	-100.585093	563455.8284138181	4350578.227869892	2870.4480080808	2721.511684201983	2664.52881698538	2664.52881698538	63.893631101581	63.893631101581
656	ix	99816	61358.8586773035	880837.3170250766	39.29380452310667	-100.5827395	563512.4077461225	4350575.24568970	2865.78585890444	2720.298852860444	2663.01050041204	2661.1953630166734	64.27325448031	64.27325448031
657	ix	99817	62018.8586773035	880837.3170250766	39.29380033154669	-100.5804085	563713.952043287	4350569.212639212	2862.629978310223	2719.01652993533	2661.5718974634096	2648.19411186603	57.4900053125547	57.4900053125547
658	ix	99818	62678.8586773035	880837.3170250766	39.29379617900516	-100.5780776	563914.9631025346	4350567.281756116	2859.4740634794	2717.802895326677	2659.84575195932	2649.82243896978	57.91543801307436	57.91543801307436
659	ix	99819	63388.8586773035	880837.3170250766	39.2937917630238	-100.5757466	564115.9741	4350561.30006983	2857.147748343934	2716.63280491784	2658.50551797227	2649.63280491784	58.081932119524	58.081932119524
660	ix	99820	63998.8586773035	880837.3170250766	39.293787411996241	-100.5734517	564316.98409523465	4350559.318571598	2855.58714335222	2715.227871732444	2656.73857560167	2652.470669	58.43401412726875	62.757030242327
661	ix	99821	64598.8586773035	880837.3170250766	39.293783531437515	-100.5710847	564517.89951013794	4350557.32370555	2854.06471211678	2714.549814101933	2654.94871983239	2652.80746837747	59.072665715026	59.072665715026
662	ix	99822	65318.8586773035	880837.3170250766	39.2937793789679	-100.5687738	564719.1465117445	4350551.345714455	2852.567890156945	2713.2951967181594	2653.961487181594	2652.961487181594	60.60959574726337	60.60959574726337
663	ix	99823	65978.8586773035	880837.3170250766	39.29377411927113	-100.5664228	564920.166280769	4350547.37201375	2849.580220708705	2711.2683787529136	2650.94515268217	2650.530183007784	60.9328622999188	60.9328622999188
664	ix	99824	66638.8586773035	880837.3170250766	39.2937695956023	-100.5640919	565121.0268415214	4350543.35429609	2845.265277027903	2709.93611713937	2648.6306274647395	2648.433727374145	61.3022842798919	61.3022842798919
665	ix	99825	67298.8586773035	880837.3170250766	39.293765027004135	-100.5617609	565322.037124888	4350539.413891153	2840.951051964224	2708.59467876733	2646.324131354926	2646.324131354926	62.2708542274754	62.2708542274754
666	ix	99826	67968.8586773035	880837.3170250766	39.29376014333284	-100.5594299	565523.0747183858	4350535.34316996	2836.6363839044	2707.25304093964	2644.8809563725484	2644.659356529254	62.37217412046726	62.37217412046726
667	ix	99827	68618.8586773035	880837.3170250766	39.2937557456365	-100.5570979	565724.0571621024	4350531.45330129	2834.781500318956	2705.9048148372726	2643.9543859610732	2643.9543859610732	62.8891753760818	62.8891753760818
668	ix	99828	69488.8586773035	880837.3170250766	39.2937510391467	-100.5547478	565925.069695912	4350527.473230547	2832.47047121678	2704.549814101933	2642.94871983239	2642.94871983239	63.893631101581	63.893631101581
669	ix	99829	69838.8586773035	880837.3170250766	39.293746302167825	-100.5524371	566126.0765616924	4350523.8518228	2830.8413059114596	2703.7112889738837	2641.7775914034	2641.7775914034	64.4574807826754	64.4574807826754
670	ix	99830	70598.8586773035	880837.3170250766	39.29374150395804	-100.5501061	566327.08097745	4350515.51393717	2815.368207041147	2701.8152863976534	2648.869753251594	2648.869753251594	65.24535404	65.24535404
671	ix	99831	71258.8586773035	880837.3170250766	39.2937365989864	-100.5477752	566528.950549554	4350513.55428381	2810.83407010524	2700.434667052221	2648.86934117343	2650.03123362258	55.533029669297	55.533029669297
672	ix	99832	71918.8586773035	880837.3170250766	39.29373178577629	-100.545442	566729.104783208	4350511.55524026	2807.14877212427	2699.04210483455	2650.951266776177	2651.204213	56.47831976745334	56.47831976745334
673	ix	99833	72578.8586773035	880837.3170250766	39.29372686926355	-100.5431133	566930.17633075	4350507.57183953	2803.535515	2697.635199433334	2651.539994333334	2651.539994333334	49.0953722939371	49.0953722939371
674	ix	99834	73238.8586773035	880837.3170250766	39.2937218053571	-100.5407623	567131.123054494	4350503.97263442	2798.86256732255	2706.21138599441	2648.1730907533947	2648.6253093234	50.4734885847617	50.4734885847617
675	ix	99835	73938.8586773035	880837.3170250766	39.2937164415596	-100.538467	567329.044717678	4350501.9849654	2796.2782969658	2704.98173296424	2646.58173296424	2646.58173296424	51.226892315004	51.226892315004
676	ix	99836	74558.8586773035	880837.3170250766	39.2937118002314	-100.5361204	567531.1075137164	4350495.640702915	2793.749610211626	2704.3816797565413	2647.1128897			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBohr.f	WtSLoTs.f	SurfBohts.f
19	99	9919	-359061.1413	881497.3170250766	39.28914884077965	-102.0675197	324537.30221551674	4335351.554710648	3607.0418474143216	375.78207858989714	3699.276318	3701.7492084320415	76.5057821510165	74.03286743
20	99	9920	-358401.1413	881497.3170250766	39.289173311997935	-102.0651891	325638.43877121956	4353347.451384004	3967.904200341691	377.613125903593	3698.711956218659	3697.78076661813	78.0311696843714	74.4853132897704
21	99	9921	-357741.1413	881497.3170250766	39.289197330019865	-102.062868	326839.57487675094	4353343.348516881	3968.76862454987	377.613125903593	3699.54078509047	3698.02116807963	79.02411580716974	74.50171580716974
22	99	9922	-357081.1413	881497.3170250766	39.28922212	-102.0605279	326040.7108142635	4353339.2954530785	3968.62800647519	377.613125903593	3699.114205047488	3697.1057013113436	79.14205477162878	73.72287211
23	99	9923	-356421.1413	881497.3170250766	39.289246455567344	-102.0581972	326241.84649012523	4353335.143	3968.612655705413	3769.105935334554	3698.86100655474	3697.49978341018	80.2443048880291	73.60615193273988
24	99	9924	-355761.1413	881497.3170250766	39.28927074672854	-102.055866	326442.196149042304	4353331.040001787	3965.717101145559	3767.3493732289803	3687.0201702796408	3694.1854946252865	80.33802460433955	73.5384076203077
25	99	9925	-355101.1413	881497.3170250766	39.289294682975384	-102.053536	326644.1170573475	4353327.963763493	3962.822946805874	3765.538712638954	3684.94690348543	3692.7397143528142	80.59248091535255	72.79828991108116
26	99	9926	-354441.1413	881497.3170250766	39.289319194007774	-102.0512054	326845.2519431365	4353322.83456568	3959.42950258404	3763.685894473028	3683.4644214013983	3691.39713483939	80.21165307126599	72.72881708983307
27	99	9927	-353781.1413	881497.3170250766	39.289343350125705	-102.048876	327046.3965789895	4353316.733486581	3958.89662847359	3761.78981142893	3691.69896971646	3690.432226297755	80.1025442944728	71.8533386
28	99	9928	-353121.1413	881497.3170250766	39.2893674	-102.046542	327247.22601011703	4353310.61699513	3957.377550792447	3759.649612343389	3689.608091113025	3690.674053145129	79.2415212302687	71.7023028876993
29	99	9929	-352461.1413	881497.3170250766	39.2893915721783	-102.0442136	327448.65505971923	4353314.03105134	3950.575483133144	3757.8683903386764	3679.195542578232	3695.54381881759	78.31892521	62.31892521
30	99	9930	-351801.1413	881497.3170250766	39.28941554839217	-102.041883	327649.7889090506	4353306.429	3947.04131401159224	3755.845628017232	3677.58752846044	3687.14518311814	78.28451530208265	67.69925882917678
31	99	9931	-351141.1413	881497.3170250766	39.28943952544635	-102.039523	327850.92259816395	4353302.327	3945.3848949160924	3753.78283356775	3676.673688102367	3683.26518433856	70.51271901291818	67.51271901291818
32	99	9932	-350481.1413	881497.3170250766	39.2894637	-102.037217	328052.0590274131	4353298.226474709	3944.489936357	3751.628564536264	3675.68584851176	3680.69097068034	71.79970716024053	71.03464675
33	99	9933	-349821.1413	881497.3170250766	39.289487341535956	-102.0348911	328253.1889989988	4353294.126	3943.5949777896335	3749.549220061996	3673.62584136387	3679.21481552433	70.596999777256	70.33404498180653
34	99	9934	-349161.1413	881497.3170250766	39.289511162533916	-102.032505	328454.3218076994	4353290.05018079	3942.70019226504	3747.38709989308	3674.034339751477	3678.849480514325	73.3526660734012	68.53751103
35	99	9935	-348501.1413	881497.3170250766	39.28953478554336	-102.030229	328655.4544	4353285.943780395	3941.256793079272	3745.20153355878	3673.226345700147	3677.793580845608	71.97470756573235	67.4075441027093
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64	99	9964	-329361.											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
145	136	100405	-275901.1413	881497.3170250766	39.291877713285736	-01.7738526	6007.784899936436	4523836.049	3722.7373441367995	3529.996804266636	3388.3743582185643	3344.867151889562	141.62248204807156	95.12988387703736
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152	136	100502	-271281.1413	881497.3170250766	39.29200835152423	-01.7573732	602186.22993611626	4523707.495994243	3698.652006	3521.8026177371007	3413.691026663326	3397.146230804940	108.193497107377457	223.39879946616005
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156	136	100506	-268641.1413	881497.3170250766	39.29208027273068	-01.748214	602990.6415412922	4523791.18961651	3697.156481814033	3516.9741147067093	3435.121415873117	3353.69894258163	81.85288311939762	163.27513544854628
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182	136	100802	-251481.1413	881497.3170250766	39.2925432965442	-01.6876132	608219.23044687	4523685.29476343	3685.747949	3484.807723803653	3418.57564246897	3418.57564246897	66.2320081576817	66.12701145
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186	136	100806	-248841.1413	881497.3170250766	39.29261155987314	-01.6782699	609023.614244116	4523670.562469962	3678.80634322736	3479.64422380065	3409.273138287332	3409.273138287332	70.4292921957179	95.12988387703736
187	136	100807	-248181.1413	881497.3170250766	39.2926298747678	-01.6759433	609229.7307230451	4523665.39716041	3677.85198819827	3478.5488198819827	3408.1464195715064	3408.1464195715064	71.8256103557445	95.12988387703736
188	136	100808	-247521.1413	881497.3170250766	39.29264542135132	-01.6736283	609425.8052040056	4523660.820119489	3677.1014638113278	3477.65549289065	3406.852644982325	3403.00224870304		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLgns.ft	SatThBoth.ft
271	136	10171	-192741.1413	881497.3170250766	39.29389186072686	-101.4801665	286115.9411756473	4352323.5868595828	3471.6035038767964	3387.990974233754	3336.436432420882	3338.502668716718	51.55453042872134	49.488105517036274
272	136	10172	-192081.1413	881497.3170250766	39.293945867172692	-101.4778356	286317.0180669189	4352313.512277616	3470.265304895556	3385.54075865025	3335.516274621985	3337.658123817465	50.024731102626536	47.88263474596806
273	136	10173	-191421.1413	881497.3170250766	39.29391104857889	-101.4618193	286518.9047461903	4352315.11844674	3468.927217118154	3383.671914046147	3334.697638247853	3337.17128178353	46.38772276	45.81481784109261
274	136	10174	-190761.1413	881497.3170250766	39.29393110485789	-101.4731738	286719.1711145004	4352311.42273264	3467.589073733126	3384.6415922528076	3333.074073	3337.1610240427656	45.9067517964975	43.90056105002207
275	136	10175	-190141.1413	881497.3170250766	39.2939440618797	-101.4708429	286920.274456811	4352307.36776613	3466.085355660205	3378.223250869642	3334.735413817917	3336.4591798439824	43.48787305172491	41.76407102566953
276	136	10176	-189441.1413	881497.3170250766	39.29395704249519	-101.468512	287121.323256476	4352303.31367866	3464.4253565619678	3375.384313089491	3333.3306966611	3336.2800319034272	41.5106123	39.63506999154394
277	136	10177	-188781.1413	881497.3170250766	39.2939694	-101.4661811	287322.3924	4352299.259529412	3462.76175967098	3373.5079461325478	3334.378229494675	3336.197914574544	39.17014202977225	37.31057402643435
278	136	10178	-188121.1413	881497.3170250766	39.29398280039764	-101.4638502	287523.4749996325	4352295.56041852	3461.26246772235	3371.2194313396607	3334.483711080532	3336.95325925979	38.73560493162683	36.426097718188
279	136	10179	-187461.1413	881497.3170250766	39.29399661127709	-101.4618193	287724.5841872297	4352291.15184674	3459.8383866725	3368.671914046147	3334.553049679457	3336.838991127659	34.4259281366988	32.14016727865524
280	136	10180	-186801.1413	881497.3170250766	39.2940037149104	-101.4591884	287925.5258314915	4352287.08847638	3455.878021214124	3364.7634288154	3334.067612311283	3336.770940058124	32.7170057025256	30.01252778641141
281	136	10181	-186141.1413	881497.3170250766	39.2940120868166	-101.4568575	288126.7006547516	4352283.05122325	3452.9521623327	3363.651723373227	3333.501339093077	3336.2491130415292	31.3033243695487	28.480248922030494
282	136	10182	-185481.1413	881497.3170250766	39.294037484886	-101.4545265	288327.7754306762	4352278.91998135	3450.0263015789237	3362.5664872003386	3332.562228392923	3336.29797681845	30.0042517104634	27.63670210188369
283	136	10183	-184821.1413	881497.3170250766	39.2940464059926	-101.4521956	288528.8500179023	4352274.93905429	3447.352798709311	3360.535060785965	3331.21726396143	3334.408506144646	29.7127968245287	27.12499983905676
284	136	10184	-184161.1413	881497.3170250766	39.29405892112994	-101.4498647	288729.943296375	4352270.886230546	3444.9317637326918	3358.5156290331	3329.642980761247	3334.2968021484955	28.9688222905823	26.07300284183748
285	136	10185	-183501.1413	881497.3170250766	39.2940715320989	-101.4475338	288930.9986674707	4352266.633767603	3443.2105087056967	3356.612201405624	3327.9508211801335	3331.5268810398397	28.6683998999067	25.05234000988445
286	136	10186	-182841.1413	881497.3170250766	39.29408402292635	-101.4450209	289132.0725307715	4352262.781405284	3440.089363779484	3354.7347594112506	3326.180358200856	3330.988532303634	28.55440112	24.1622181186686
287	136	10187	-182181.1413	881497.3170250766	39.29409648033313	-101.442872	289333.146	4352258.72923591	3437.211654327022	3352.896238	3324.6493547857046	3329.97072027482	28.2468826826335	22.89835045107754
288	136	10188	-181521.1413	881497.3170250766	39.2941088636561	-101.4405411	289534.2199453753	4352254.77255495	3445.93130938186	3351.1015433001003	3322.89021325645	3328.782475217074	28.2186540435526	22.18965364039292
289	136	10189	-180861.1413	881497.3170250766	39.2941213736835	-101.4382101	289735.292576602	4352250.62460019	3450.364165490524	3349.3484234448993	3321.190211802374	3328.09303018203	28.15821164255202	21.25539426696173
290	136	10190	-180201.1413	881497.3170250766	39.2941335634752	-101.4358792	289936.3664097452	4352246.57386014	3455.348832525483	3347.6345062336695	3319.9027722078342	3327.7328428489	25.21562025835296	21.151022520335
291	136	10191	-179541.1413	881497.3170250766	39.29414583403094	-101.4334583	290171.4933371491	4352240.12221681	3459.90908944584	3345.968284971146	3318.087056	3322.426399440773	27.86978881722603	23.530465933077048
292	136	10192	-178881.1413	881497.3170250766	39.29415800230503	-101.4312174	290338.5120580204	4352238.41532416	3464.323907813774	3344.309057510397	3316.2300516065824	3321.624827407523	28.07955410011315	22.6847786637167
293	136	10193	-178221.1413	881497.3170250766	39.29417024114504	-101.4288629	290538.548575781	4352232.42040434	3469.7583866725	3343.60695727196	3314.584739879394	3320.3477655318	27.92891782284587	21.59487874881567
294	136	10194	-177561.1413	881497.3170250766	39.29418237702787	-101.426555	290740.65881003	4352230.36396476	3473.153524152043	3341.091169375624	3321.475057354018	3322.999526546436	28.0211120216758	19.09653452187644
295	136	10195	-176901.1413	881497.3170250766	39.29419464788875	-101.4242246	290941.7288352676	4352226.318719477	3474.614662326086	3339.525758314882	3310.6222415848288	3322.7547054854638	28.9035173030542	16.77104982941864
296	136	10196	-176241.1413	881497.3170250766	39.294206513725925	-101.4218937	291142.80080336	4352222.266230435	3472.1514242355	3337.97585599447	3308.30984251494	3322.068779079537	28.66649134795307	15.90706519913517
297	136	10197	-175581.1413	881497.3170250766	39.2942185145393	-101.4195628	291343.87257164123	4352218.217997135	3471.628618233651	3336.43160512612	3306.584029254428	3324.651257292602	29.6994912581838	11.79193020009772
298	136	10198	-174921.1413	881497.3170250766	39.29423047032899	-101.4172219	291544.940457486	4352214.17621774	3470.135694241438	3334.924137480651	3304.998255885587	3326.970326576796	29.9258828405233	795.3908163891356
299	136	10199	-174261.1413	881497.3170250766	39.29424245877774	-101.4148828	291748.5085756134	4352210.118063493	3468.7583866725	3333.61906874923	3303.584739879394	3324.39639152298	29.8318689552298	795.3908163891356
300	136	10200	-173601.1413	881497.3170250766	39.29425424685386	-101.412157	291947.084145898	4352206.08342633	3470.954923314918	3332.971938595653	3302.374119017072	3324.733848138676	29.8399778112827	71.78594792324317
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302	136	10202	-172281.1413	881497.3170250766	39.29427784349425	-101.4079081	292349.22795279627	4352197.96955251	3471.9702873028036	3328.917622510027	3300.748704845897	3320.120155	28.9635166142199	7.879474678462673
303	136	10203	-171621.1413	881497.3170250766	39.294289378918655	-101.4055772	292550.284813875	4352193.92042671	3467.837524135412	3327.4168010526673	3299.285446008775	3319.763232808912	28.91335505178979	10.6564273275823
304	136	10204	-170961.1413	881497.3170250766	39.2943012595644	-101.4032463	292751.36867391045	4352189.871470466	3463.832388184328	3325.9068417105814	3299.1048527352405	3313.761764394564	28.7983897530495	12.177052740746201
305	136	10205	-170301.1413	881497.3170250766	39.29431290018955	-101.4009154	292952.4839728575	4352185.822728825	3464.829134	3324.86026717688	3298.374653394944	3311.777587991784	28.9017371891348	12.98847796858052
306	136	10206	-169641.1413	881497.3170250766	39.29432445877774	-101.3985484	293153.5085756134	4352181.774177121	3463.832388184328	3322.9849674923	3300.177325152993	3312.765455318	28.626013830352	11.59487874881567
307	136	10207	-168981.1413	881497.3170250766	39.294336046362446	-101.3962535	293354.57822713465	4352177.72581651	3463.832388184328	3321.92127109588	3300.7816140014413	3313.732958761602	28.5017492553525	13.978847491438046
308	136	10208	-168321.1413	881497.3170250766	39.29434755191317	-101.3939226	293555.6476714414	4352173.67764045	3452.911830544334	3319.70323883594	3301.81454599171	3307.236024929278	17.8927884224024	12.3710397541627
309	136	10209	-167661.1413	881497.3170250766	39.29435901243986	-101.3915916	293756.716921705	4352169.63	3447.9711574072776	3318.089892132121	3302.647192308657	3306.917737839403	17.65299681425532	11.17213537818609
310	136	10210	-167001.1413	881497.3170250766	39.294370472942546	-101.3892067	293967.7895911327	4352165.8187658	3443.030484	3316.434425835414	3303.198191495942	3306.937167130207	17.23623433947048	4.987298705
311	136	10211	-166341.1413	881497.3170250766	39.29438179842115	-101.3869298	294158.847869289	4352161.53477515	3439.60518684328	3314.737594	3302.9310588455705	3306.968228382726	17.11335311440924	8.68077082130708
312	136	10212	-165681.1413	881497.3170250766	39.29439315813515	-101.3845898	294359.9324029564	4352157.48686875	3437.695268061024	3312.97267270618	3301.57125756184	3303.32628383287	17.2357400165266	9.26443398
313	136	10213	-165021.1413	881497.3170250766	39.29440461949485	-101.3822062	294557.991815781	4352153.40638803	3435.719417111554	3311.9186627493	3300.481188645458	3302.3477655318	17.11335311440924	10.6564273275823
314	136	10214	-164361.1413	881497.3170250766	39.29441563971239	-101.379937	294742.060058059	4352149.39262857	3434.847366375033	3309.383304795566	3300.964540316391	3295.10255334221	18.11898116316567	12.42146714345505
315	136	10215	-16370											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVEKgr.f	BRIEVEBthKgr.f	SatThLgts.f	SatThBth.f
397	130	100297	-109581.1413	881497.3170250766	39.29519122241765	-101.864671	3114560.03930089	4351814.15233049	3294.9684970722895	307.6203630259045	307.73207608757884	304.0036682180553	33.376426059223	
398	130	100298	-108921.1413	881497.3170250766	39.29519685752989	-101.847361	311651.09132204147	4351810.121	307.592457405852634	308.181867504039	306.8836347693306	307.101640650933	34.0182925305458	
399	130	100299	-108261.1413	881497.3170250766	39.29520094901663	-101.818051	311662.1431	4351816.1931	307.5465555557	308.19159153	306.94568741572	304.0398763102412	33.1647375728104	
400	130	100300	-107601.1413	881497.3170250766	39.2952134477751	-101.794471	312063.1945725637	4351802.059717341	307.084266256427	309.40242362760524	304.409558889593	306.432638799046	32.8665207071075	
401	130	100301	-106841.1413	881497.3170250766	39.2952205651281	-101.771431	312254.2641914614	4351780.792523791	3284.2317066334	3095.7330770982444	306.61283961179557	306.279074489318	33.0233626982614	
402	130	100302	-106281.1413	881497.3170250766	39.29522788872456	-101.748121	312455.2947463934	4351783.99282367	3281.3796383476437	3081.93479602862	3059.235734	306.3078161696756	33.79050821	
403	130	100303	-105621.1413	881497.3170250766	39.2952325669042	-101.724812	312656.384581756226	4351789.96881859	3278.5518527335926	3090.351057164576	306.639916399948	308.1022331375425	33.248752961851	
404	130	100304	-104961.1413	881497.3170250766	39.2952426006466	-101.701502	312857.3949051745	4351785.39	3275.74920393415	3087.6870552261125	306.486562746919	307.02782628724	33.65918278921513	
405	130	100305	-104301.1413	881497.3170250766	39.29524958919723	-101.678191	313058.59109436	4351791.30915678	3272.9465555557	3087.47800336687	306.51069684985	305.433413389759	30.71786938910295	
406	130	100306	-103641.1413	881497.3170250766	39.2952568130406	-101.654882	313259.500354555	4351777.9167379	307.14309255957	3082.43705254672	3051.14311444575	305.48029565284	31.0240011059442	
407	130	100307	-102881.1413	881497.3170250766	39.29526372385134	-101.631572	313460.5506871546	4351773.850260436	3268.531438395783	3079.85823653905	3050.1947314343457	305.45547814143	30.4662202919576	
408	130	100308	-102231.1413	881497.3170250766	39.2952703244048	-101.608262	313661.6011241485	4351769.821096793	3268.110367105857	307.318629417761	3043.419841230053	305.0234816109	27.88664529475545	
409	130	100309	-101661.1413	881497.3170250766	39.29527769	-101.584952	313862.6510970486	4351765.92122812	3267.68890618405	307.478191497601038	3048.18293922259	3048.182939274627	27.956483784492	
410	130	100310	-101001.1413	881497.3170250766	39.29528463473796	-101.561642	314063.7008876222	4351761.76333498	3267.2674141131296	307.3056853637304	3044.933964	304.456177726444	26.9044859108594	
411	130	100311	-100341.1413	881497.3170250766	39.29529147145178	-101.538332	314264.750496073	4351757.734748345	3267.0405711712364	306.9947458	3041.90798	304.49428315674604	28.03969707696943	
412	130	100312	-99681.1413	881497.3170250766	39.29529824043956	-101.515022	314465.7902720079	4351753.708338135	3266.89419596352	306.758487367386	303.71843373917	303.71843373917	30.022053050035	
413	130	100313	-99021.1413	881497.3170250766	39.2953057232032	-101.491712	314666.84916743025	4351749.678123431	3266.7685820141055	306.5274947352356	303.329654526053	303.329654526053	31.98840210185245	
414	130	100314	-98361.1413	881497.3170250766	39.29531180523045	-101.468403	314867.89823074546	4351745.650097675	3266.77564	306.321427498596	302.857934483622	302.857934483622	34.353274605008146	
415	130	100315	-97701.1413	881497.3170250766	39.295318483105526	-101.445093	315068.947127585	4351741.622	3264.365482435308	306.826978151806	302.545648740942	302.545648740942	36.54810054203085	
416	130	100316	-97041.1413	881497.3170250766	39.29532513595765	-101.421783	315269.9959136116	4351737.594613015	3263.5728823155958	306.892089736766	3020.19777	302.07278727706326	38.45903936876765	
417	130	100317	-96381.1413	881497.3170250766	39.29533173378058	-101.398473	315471.0442336159	4351735.967156096	3258.28916998901285	305.6196989001285	305.81842321357434	305.81842321357434	40.95475566983415	
418	130	100318	-95721.1413	881497.3170250766	39.29533826576105	-101.375163	315677.4542277581	4351729.339887716	3250.755379777259	304.607935035716	301.45953054569	301.45953054569	43.37589872	
419	130	100319	-95061.1413	881497.3170250766	39.29534582911796	-101.351683	315872.14931534	4351725.91905317	3248.06351345626	304.266480125298	308.022955187314	307.8224819431965	54.22436875884262	
420	130	100320	-94401.1413	881497.3170250766	39.29535125709403	-101.328543	316074.1889104135	4351715.45222884	3246.6605928957	306.79370798742	302.802126721149	302.802126721149	48.1152693265315	
421	130	100321	-93741.1413	881497.3170250766	39.2953576748133	-101.305223	316275.278082185	4351714.9422927	3245.451143426238	304.827644996555	2998.5885	2998.5885	50.983414460073538	
422	130	100322	-93081.1413	881497.3170250766	39.2953640450675	-101.281923	316476.2842375635	4351714.32715281	3244.236195221206	304.714250792186	2994.410445193519	2994.410445193519	52.7302671389953	
423	130	100323	-92421.1413	881497.3170250766	39.295370375174194	-101.258613	316677.3317665438	4351709.40638917	3244.1515705	304.5405468916018	2991.1027214946603	2991.1027214946603	54.72094196847655	
424	130	100324	-91761.1413	881497.3170250766	39.29537666	-101.235303	316878.379206077	4351705.30265902	3244.289670558676	304.7104940314707	2989.2195881878966	2989.2195881878966	56.66261302330385	
425	130	100325	-91101.1413	881497.3170250766	39.2953826845765	-101.211983	317079.4261963355	4351703.35425222	3228.531904004557	304.213843170468	2987.622119431965	2987.622119431965	57.0392675884262	
426	130	100326	-90441.1413	881497.3170250766	39.2953908207755	-101.188633	317287.432657479	4351697.32587479	3226.43762453479	304.042936028338	2987.70077181574	2987.70077181574	58.37890119410526	
427	130	100327	-89781.1413	881497.3170250766	39.2953953558431	-101.165373	317481.5197294036	4351693.30313557	3227.56032382524	303.8586165497473	2985.26379315205237	2985.26379315205237	59.6885053	
428	130	100328	-89121.1413	881497.3170250766	39.29540133812186	-101.142203	317682.5662736925	4351689.27764152	3224.37148921497	303.705634222094	2983.423604252944	2983.423604252944	63.7902378374732	
429	130	100329	-88461.1413	881497.3170250766	39.2954073956337	-101.118753	317883.6126390127	4351685.25459249	3224.9031740182704	303.784476003705	2981.5345644353083	2981.5345644353083	65.14909156839678	
430	130	100330	-87801.1413	881497.3170250766	39.29541340811889	-101.095443	318084.658261018	4351681.227	3223.754599114358	303.4241991703506	2979.56444953756	2979.56444953756	54.8259351727546	
431	130	100331	-87141.1413	881497.3170250766	39.29541935757836	-101.072133	318285.704851719	4351677.20653142	3225.4516045588	302.8523929738376	2977.275447175453	2977.275447175453	55.6540919444204	
432	130	100332	-86481.1413	881497.3170250766	39.29542582911796	-101.048821	318486.7596094263	4351673.781949317	3225.531904004557	304.213843170468	2987.622119431965	2987.622119431965	57.0392675884262	
433	130	100333	-85821.1413	881497.3170250766	39.2954317541917	-101.025513	318687.7962309565	4351669.15362498	3225.66592582323	302.929565823642	2972.08621593932	2972.08621593932	57.87939171471016	
434	130	100334	-85161.1413	881497.3170250766	39.29543700700416	-101.002203	318888.841796301	4351665.12930079	3225.69369110505	302.85640003704702	2969.37050534072	2969.37050534072	59.6885053	
435	130	100335	-84501.1413	881497.3170250766	39.29544279515653	-100.978893	319089.88078953365	4351661.10534455	3225.28080182658	302.779508446747	2966.25090437356	2966.25090437356	61.09525673739836	
436	130	100336	-83841.1413	881497.3170250766	39.29544834874475	-100.955583	319290.9321273724	4351657.081	3224.394117200645	302.85126318889496	2963.244177696047	2963.244177696047	62.6654519328495	
437	130	100337	-83181.1413	881497.3170250766	39.29545424787734	-100.932273	319491.9771626193	4351653.057822145	3223.491425998353	302.841612388930	2960.7491579723514	2960.7491579723514	63.9629337	
438	130	100338	-82521.1413	881497.3170250766	39.2954598706405	-100.908863	319683.0215912818	4351649.304	3222.5917347966233	302.817663194543	2958.281450238937	2958.281450238937	64.84621296052194	
439	130	100339	-81861.1413	881497.3170250766	39.29546734323834	-100.880281	319894.8597075627	4351645.097057374	3222.46459107537	302.74913582970584	2957.133542974549	2957.133542974549	65.747391519506	
440	130	100340	-81201.1413	881497.3170250766	39.29547106540045	-100.856243	319905.1109	4351640.987959123	3222.73413397162	302.506794946207	2954.86475720585	2954.86475720585	66.632218903399	
441	130	100341	-80541.1413	881497.3170250766	39.2954767373851	-100.830933	320296.1557179534	4351636.96500278	3222.12896382562	301.91220061779028	2953.805622764244	2953.805622764244	68.0439853131583	
442	130	100342	-79881.1413	881497.3170250766	39.29548204591063	-100.815723	320497.192441616	4351632.94233044	3221.573433863562	301.71494135090395	2951.715152654796	2951.715152654796	64.1674242583049	
443	130	100343	-79221.1413	881497.3170250766	39.29548747305699	-100.792413	320688.249	4351628.91800778	3221.00894478998	301.616950292703	2949.086502582332	2949.086502582332	63.69640274958372	
444	130	100344	-78561.1413	881497.3170250766	39.2954928517695	-100.769103	320898.28684541613	4351624.897460122	3220.578662161	301.454909639143	2946.2830175012764	2946.2830175012764	62.0054731306822	
445	130	100345	-77901.1413	881497.3170250766	39.295498919227075	-100.746281								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIElevLogKrg.f	BRIElevBothKrg.f	SurfThkLog.f	SurfThkBoth.f
649	136	100459	56738.8586730335	81.48197	31.70250766	39.29664545346638	-00.5990512	36029.84498936601	4350804.30437315255	2885.888624648756	2669.790980619129	2668.7046604143318	58.70518522244731	58.70518522244731
650	136	100500	57398.8586730335	81.48197	31.70250766	39.296641560100144	-00.5962002	36230.810568539912	4350800.321	2886.055062112061	2669.085479538595	2667.741192	58.7052733274311504	58.7052733274311504
651	136	100551	58018.8586730335	81.48197	31.70250766	39.296657821707405	-00.5943892	36251.18688309662	4350786.338	2884.2196148389665	2668.755928077796	2665.264162471475	57.983543030953	57.983543030953
652	136	100552	58018.8586730335	81.48197	31.70250766	39.29663538288265	-00.5920562	36272.8800573504	4350792.354418659	2887.074356178806	2667.063410301717	2665.90378520143	56.98203452170357	56.98203452170357
653	136	100553	58038.8586730335	81.48197	31.70250766	39.296626904842635	-00.5897271	36291.8336711883	4350788.374738665	2887.069598218643	2667.063410301717	2665.90378520143	56.98203452170357	56.98203452170357
654	136	100554	58038.8586730335	81.48197	31.70250766	39.29662556337055	-00.5873961	36311.94031	4350784.38718473	2887.2646188128652	2667.13000055157	2665.9449004101787	56.94759964496528	56.94759964496528
655	136	100555	58068.8586730335	81.48197	31.70250766	39.296624117872056	-00.5850651	36331.9143641066	4350780.460150674	2889.214129478758	2667.26647175335	2665.027113973963	56.87429541	56.87429541
656	136	100556	58138.8586730335	81.48197	31.70250766	39.296617254347086	-00.5827341	36335.9252956968	4350780.742770455	2889.26249128910937	2667.26647175335	2665.027113973963	56.9130406028461	56.9130406028461
657	136	100557	58218.8586730335	81.48197	31.70250766	39.2966130457978	-00.5804031	36337.83665395796	4350778.441577812	2890.197368145529	2667.26647175335	2665.027113973963	56.9374011756868	56.9374011756868
658	136	100558	58267.8586730335	81.48197	31.70250766	39.29660870221704	-00.5780721	36339.9474656087	4350784.595277133	2891.61742376421	2667.26647175335	2665.027113973963	56.95184640213529	56.95184640213529
659	136	100559	58338.8586730335	81.48197	31.70250766	39.29660493613173	-00.5757411	36411.958266424	4350764.477550209	2893.71162520032	2667.26647175335	2665.027113973963	56.9501274003408	56.9501274003408
660	136	100560	58398.8586730335	81.48197	31.70250766	39.29660014986312	-00.573741	36432.96887653443	4350760.496125233	2895.806140373737	2667.26647175335	2665.027113973963	56.95092912142869	56.95092912142869
661	136	100561	58468.8586730335	81.48197	31.70250766	39.29659576132612	-00.571079	36452.9197835539	4350756.514862795	2898.8306614013655	2667.26647175335	2665.027113973963	56.9514232978481	56.9514232978481
662	136	100562	58518.8586730335	81.48197	31.70250766	39.296591374224754	-00.568748	36472.9873693625	4350752.5342378885	2911.955179510617	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
663	136	100563	58578.8586730335	81.48197	31.70250766	39.296589684933008	-00.566474	36484.000110170835	4350748.55236061	2908.059740024078	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
664	136	100564	58638.8586730335	81.48197	31.70250766	39.2965832519888	-00.564006	36512.0510122801	4350744.571480624	2908.059740024078	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
665	136	100565	58698.8586730335	81.48197	31.70250766	39.29657796132612	-00.561755	36536.02011678496	4350740.596782851	2907.00115829729	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
666	136	100566	58758.8586730335	81.48197	31.70250766	39.296573142645594	-00.559424	36557.029744206	4350736.61028373	2907.00115829729	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
667	136	100567	58818.8586730335	81.48197	31.70250766	39.296568438330394	-00.557093	36578.0297040895	4350732.62969575	2932.55479674595	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
668	136	100568	58878.8586730335	81.48197	31.70250766	39.29656378	-00.554762	36599.0243003925	4350728.46383068	2947.26248339017	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
669	136	100569	58938.8586730335	81.48197	31.70250766	39.29655903112008	-00.552431	36610.30870022113	4350724.66989307	2922.370997313567	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
670	136	100570	58998.8586730335	81.48197	31.70250766	39.296554271226985	-00.550099	36631.05811045855	4350720.590138614	2927.179984589373	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
671	136	100571	59058.8586730335	81.48197	31.70250766	39.2965491922628	-00.547769	36652.071281853	4350692.92344487	2930.521457411452	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
672	136	100572	59118.8586730335	81.48197	31.70250766	39.29654451435976	-00.545473	36673.084046216	4350712.731190055	2907.16627562923	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
673	136	100573	59178.8586730335	81.48197	31.70250766	39.2965395638426	-00.543109	36693.0885458783	4350715.71996315	2908.12713244686	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
674	136	100574	59238.8586730335	81.48197	31.70250766	39.29653461138492	-00.540759	36715.1042849895	4350704.7229105	2905.477617200767	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
675	136	100575	59298.8586730335	81.48197	31.70250766	39.296529623593	-00.538449	36736.11298308	4350700.794173228	2908.822699113448	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
676	136	100576	59358.8586730335	81.48197	31.70250766	39.296524328307475	-00.5361139	36757.121533596	4350686.91542793	2908.10409997564	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
677	136	100577	59418.8586730335	81.48197	31.70250766	39.29651941922628	-00.5337879	36778.1299621028	4350682.9347899761	2902.493403684646	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
678	136	100578	59478.8586730335	81.48197	31.70250766	39.29651425125038	-00.531481	36799.1383112848	4350680.958944114	2901.82875176441	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
679	136	100579	59538.8586730335	81.48197	31.70250766	39.2965090659445	-00.5291209	36810.146493461	4350684.881	2908.59032884274	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
680	136	100580	59598.8586730335	81.48197	31.70250766	39.2965032183767	-00.526789	36831.15456041205	4350680.90289437	2908.704143	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
681	136	100581	59658.8586730335	81.48197	31.70250766	39.29649832654655	-00.5244589	36852.162494685	4350676.95201395	2908.704143	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
682	136	100582	59718.8586730335	81.48197	31.70250766	39.29649319845455	-00.5221729	36873.170323764	4350672.948	2911.1465595964	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
683	136	100583	59778.8586730335	81.48197	31.70250766	39.296487919210045	-00.5197968	36894.177983685	4350668.97357531	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
684	136	100584	59838.8586730335	81.48197	31.70250766	39.296482719210045	-00.5174659	36915.185381927	4350664.93244487	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
685	136	100585	59898.8586730335	81.48197	31.70250766	39.29647769210045	-00.5151348	36936.192967959	4350661.01630043	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
686	136	100586	59958.8586730335	81.48197	31.70250766	39.2964721134684	-00.5128038	36957.20072137164	4350657.90534764	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
687	136	100587	59978.8586730335	81.48197	31.70250766	39.296465820682	-00.5104728	36978.207442022	4350653.06294154	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
688	136	100588	60038.8586730335	81.48197	31.70250766	39.29646074640634	-00.5081418	36999.241501678	4350649.08691912	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
689	136	100589	60098.8586730335	81.48197	31.70250766	39.2964559824831	-00.5058108	37010.2512490026	4350645.10936934	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
690	136	100590	60158.8586730335	81.48197	31.70250766	39.2964493832869	-00.5034798	37031.22823137796	4350641.13439226	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
691	136	100591	60218.8586730335	81.48197	31.70250766	39.29644417254359	-00.501148	37052.24817268304	4350637.16874218	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
692	136	100592	60278.8586730335	81.48197	31.70250766	39.29643737991471	-00.4988178	37073.241621082	4350633.18205612	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
693	136	100593	60338.8586730335	81.48197	31.70250766	39.2964315041801	-00.4964688	37094.2478906173	4350629.204748699	2907.362538464475	2667.26647175335	2665.027113973963	56.95084972114111	56.95084972114111
694	136	100594	60398.8586730335	81.48197	31.70250766	39.2964257589523	-00.4941558	37115.254195508	4350625.232	2907.362538464475	2667.26647175335	26		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfElev.f	SurfBoth.f
35	137	100675	-348501.1413	882157.3170250766	39.29134756	-102.0302604	328968.56257039707	4353487.222827377	394.51932827361986	374.84.830539	3673.2770617356064	3675.385834816375	75.553462525378	69.44474703475532
36	137	100676	-347841.1413	882157.3170250766	39.29137130680402	-102.0279237	328860.6946613997	4353483.122326372	390.4912476783044	374.81619525154457	3672.8254740458475	3675.0237651265859	69.7406211	67.5957641886801
37	137	100677	-347181.1413	882157.3170250766	39.29138013378462	-102.0258591	328861.6284858296	4353478.022017782	390.8148972444191	3672.723786	3674.842591438993	3674.6581314722111	65.74514300419803	65.74514300419803
38	137	100678	-346521.1413	882157.3170250766	39.29141687493673	-102.0232584	32902.596506699127	4353479.190119086	393.57166877305	374.8170103327647	3672.594442066133	3680.2730891395624	65.6933661395624	57.88472115011236
39	137	100679	-345861.1413	882157.3170250766	39.29144221478866	-102.0209337	329464.0808391133	4353470.81279806	393.581166476274	373.814138209596	3672.3354721590171	3685.624391155309	63.87666661494764	50.289816666661
40	137	100680	-345201.1413	882157.3170250766	39.2914658300481	-102.018607	32965.2403847332	4353466.722247007	393.581166265706	373.6657540393555	3672.2982648317347	3681.67378938324	61.36748920802074	51.99196445143132
41	137	100681	-344541.1413	882157.3170250766	39.29148938951449	-102.0162763	32986.3512324395	4353462.627093793	393.0141794278833	373.414794278833	3672.4798941574654	3679.07113816428	58.9349001213672	52.34365611450494
42	137	100682	-343881.1413	882157.3170250766	39.291512871007875	-102.0139456	32906.7481726783	4353458.32346257	393.4712869524712	372.9162489021378	3672.582861600296	3678.4883876994704	56.9796247284184	50.64710132966735
43	137	100683	-343221.1413	882157.3170250766	39.291536931	-102.0116148	32908.40982890627	4353454.424211288	393.4712869524712	372.9162489021378	3672.582861600296	3678.4883876994704	56.9796247284184	50.64710132966735
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45	137	100685	-341901.1413	882157.3170250766	39.29158305	-102.0069535	32907.8167585781	4353446.22643045	391.491293726984	372.241547520655	3669.5655453654	3677.19057972512	54.048524155893	46.92238043629807
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47	137	100687	-340581.1413	882157.3170250766	39.29162360232877	-102.0022921	32910.73130621993	4353438.02960497	390.491293726984	371.7303404493237	3668.534377995247	3672.20820423497	49.3960249799408	45.3960249799408
48	137	100688	-339921.1413	882157.3170250766	39.29165281462347	-101.9999614	32914.274259620703	4353433.93134778	390.491293726984	371.7303404493237	3668.534377995247	3672.20820423497	49.3960249799408	45.3960249799408
49	137	100689	-339261.1413	882157.3170250766	39.2916798100153	-101.9978307	32914.274259620703	4353433.93134778	390.491293726984	371.7303404493237	3668.534377995247	3672.20820423497	49.3960249799408	45.3960249799408
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57	137	100697	-333981.1413	882157.3170250766	39.2918597142295	-101.979086	32930.8428916283	4353397.183872623	390.38403301833	370.465012003252	3670.303831600163	3705.647281507887	34.55590090271234	0
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63	137	100703	-330021.1413	882157.3170250766	39.2919958136223	-101.9650007	32942.0183872623	4353372.481581374	390.38403301833	370.465012003252	3670.303831600163	3705.647281507887	34.55590090271234	0
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65	137	100705	-328701.1413	882157.3170250766	39.29204052075639	-101.9603393	32946.04315244627	4353364.29155295	390.6045293798026	367.30027633789026	3667.699557455115	3678.68123935226	33.803188826555	17.6421520427562
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71	137	100711	-324741.1413	882157.3170250766	39.29217425202927	-101.9463549	32958.10562237692	4353339.72608474	391.32904510133	368.765173050227	3667.699557455115	3678.68123935226	33.803188826555	17.6421520427562
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77	137	100717	-320781.1413	882157.3170250766	39.2923062787026	-101.932387	32970.09370704112	4353315.183872623	390.38403301833	370.465012003252	3670.303831600163	3705.647281507887	34.55590090271234	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SurfBothKgr.f	SatBothKgr.f
161	137	100801	-265341.1413	882157.3170250766	39.29388574028138	-101.7365834	264000.2345671647	4352972.07264307	3699.912620145017	3509.976704049959	3448.213303749654	3444.5933896939596	31.76340030304966	55.383143559957
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165	137	100805	-262701.1413	882157.3170250766	39.29405778710998	-101.72726	264804.6325209624	4352965.770262235	3700.13097692935	3504.910573181361	3456.1730195796754	3453.05791097159103	48.73756301685704	50.95967602255785
166	137	100806	-262041.1413	882157.3170250766	39.29407566626428	-101.7245291	265005.73769175087	4352951.695	3699.754161128771	3503.641898467229	3457.911882119577	3457.911882118696	45.730016347652054	55.8268681535925
167	137	100807	-261381.1413	882157.3170250766	39.29403534039739	-101.7225982	265206.26378192281	4352947.619421984	3699.01876290377	3502.3472769078887	3455.3266739672415	3453.05791097159103	47.0473332	49.316414903811
168	137	100808	-260721.1413	882157.3170250766	39.29411134950926	-101.7202674	265407.9373147326	4352945.54265915	3697.9229917124235	3501.109589324799	3452.748802233336	3448.91701973343	46.307780146027	52.1927383145572
169	137	100809	-260061.1413	882157.3170250766	39.29412913599884	-101.7179365	265609.6367784777	4352939.469341533	3698.3221	3499.84644841296	3450.596698312	3446.255020355875	46.281692690546	53.853349
170	137	100810	-259401.1413	882157.3170250766	39.2941483266913	-101.7156057	265810.139105096	4352934.5088787	3695.731443066314	3498.59041723275	3448.367656149512	3444.235072426757	50.028513997615	54.351034811759
171	137	100811	-258741.1413	882157.3170250766	39.294164506713	-101.7132748	266011.23501148506	4352931.32007818	3695.112765422667	3497.3363013184667	3446.258403906075	3447.28070700585	51.07788432785921	54.6280933440813
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175	137	100815	-256101.1413	882157.3170250766	39.29422475	-101.7039513	266815.62870535254	4352915.70330536	3693.995992182046	3492.3699773073745	3437.0496245003837	3435.6395451112293	55.301352807599774	56.7143579674526
176	137	100816	-255441.1413	882157.3170250766	39.294252210163554	-101.7016205	267016.728524849	4352910.950097068	3692.6749789385904	3491.10485112077	3434.108989728446	3433.2861218521994	56.9595811392317	57.8165259877465
177	137	100817	-254781.1413	882157.3170250766	39.29426960555474	-101.6992896	267217.82416948474	4352906.67866491	3691.3800356915	3489.854690473311	3431.0094550569387	3430.5944031991976	58.747446761747	59.2602872113138
178	137	100818	-254121.1413	882157.3170250766	39.29428696445238	-101.6969587	267418.92155658005	4352902.80347603	3690.08502545049	3488.60003133007	3427.86203176551	3427.8677041946974	60.99772406	60.92252329330056
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183	137	100823	-250821.1413	882157.3170250766	39.29437305165513	-101.685304	268424.05046153	4352874.9235897273	3680.3471520446952	3482.09548	3430.0519158412	3430.0519158412	71.60245444107431	71.60245444107431
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187	137	100827	-248181.1413	882157.3170250766	39.294441168554876	-101.6759809	269228.7877798134	4352866.153	3673.385475474081	3476.618648064253	3435.016520558857	3435.016520558857	72.3681707389579	71.60245444107431
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192	137	100832	-244881.1413	882157.3170250766	39.294525261375764	-101.6642265	270234.2609445637	4352845.799	3659.7044851786703	3468.604178474825	3398.8701181760035	3398.8701181760035	73.02791062768	70.4056083781466
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196	137	100836	-242241.1413	882157.3170250766	39.29459175586705	-101.6550293	271038.634243085	4352829.41527898	3650.291152346804	3462.09548	3389.0519158412	3389.0519158412	73.02791062768	73.02791062768
197	137	100837	-241581.1413	882157.3170250766	39.29460823	-101.652672	271239.7289965054	4352825.48695906	3648.11968116021	3461.70448325609	3387.2756642777317	3387.2756642777317	73.02791062768	74.2854944077834
198	137	100838	-240921.1413	882157.3170250766	39.2946246827458	-101.6503411	271440.8213180735	4352821.379304704	3644.771842	3459.746082521623	3383.335586	3383.302877094598	73.02791062768	73.02791062768
199	137	100839	-240261.1413	882157.3170250766	39.2946411	-101.6480102	271641.913830048	4352817.310110374	3642.5801701563148	3459.9105823700306	3379.94170333047	3379.94170333047	73.02791062768	81.1527317566442
200	137	100840	-239601.1413	882157.3170250766	39.294657469676544	-101.6456793	271843.0053818877	4352813.241104105	3640.648529197234	3459.1701508543924	3378.6472241979154	3378.6472241979154	73.02791062768	81.1527317566442
201	137	100841	-238941.1413	882157.3170250766	39.2946737306907	-101.6433844	272044.0984751735	4352809.172290704	3638.158182792387	3457.756196342026	3377.39495292377	3377.39495292377	73.02791062768	83.00331470907212
202	137	100842	-238281.1413	882157.3170250766	39.29469007144735	-101.6410176	272245.1900551286	4352805.10366626	3636.78337632573	3456.71946235623	3376.405805772134	3376.405805772134	73.02791062768	81.1527317566442
203	137	100843	-237621.1413	882157.3170250766	39.29471228310968	-101.638765	272446.21929884	4352801.379304704	3634.921152346804	3454.8724873891316	3375.1752681837	3375.1752681837	73.02791062768	81.1527317566442
204	137	100844	-236961.1413	882157.3170250766	39.2947224831025	-101.6363558	272647.3789226954	4352796.967	3632.982587	3455.7807797976386	3374.3295343875214	3374.3295343875214	73.02791062768	81.1527317566442
205	137	100845	-236301.1413	882157.3170250766	39.29473863642351	-101.6340249								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogm.Km	BR ElevBothg.Km	SatHtLogm.Km	SatHtBothg.Km
287	137	100927	-182181.1413	882157.1372025076	39.26599917318023	-101.442888	289337.2041206184	435245.6997085535	3327.263623243655	3321.963755849313	3326.690131369226	34.01748300366246	25.69113748047675
288	137	100928	-181521.1413	882157.1372025076	39.2659951759626748	-101.440587	28938.327765917984	435443.9175203934	3324.455732961724	3330.646325896626	3325.451754654546	30.10581919026399	25.18912264454431
289	137	100929	-180861.1413	882157.1372025076	39.26603340846439	-101.438262	289739.29017173654	435451.865352141	3344.661710284979	3348.940494437085	3318.154584207214	29.78410408971678	25.08665113133466
290	137	100930	-180201.1413	882157.1372025076	39.265964652713929	-101.435895	289940.4236468078	435457.81732126	3347.8488672367653	3347.72998236301	3318.009094500012	32.112199990411	25.16608233556948
291	137	100931	-179541.1413	882157.1372025076	39.26599582840744	-101.433641	290141.4964	435424.762108904	3345.932849901301	3345.654720165049	3316.5090076279284	33.21283216503385	25.14751254
292	137	100932	-178881.1413	882157.1372025076	39.266997075	-101.4312331	290342.5688969544	435434.711	3456.9090852626	3344.059739	3314.8337307410943	31.24608744165483	29.26049342828653
293	137	100933	-178221.1413	882157.1372025076	39.26598293856938	-101.4289021	290543.61124249516	435433.654945917	3342.49215722775	3313.090323126596	3313.090323126596	29.40182790115254	32.3569748895508
294	137	100934	-177561.1413	882157.1372025076	39.26599507206312	-101.4265711	290744.7132189436	435431.6804138835	3468.861505609759	3340.950602	3311.2982756326594	30.5909084140946	29.45176813949051
295	137	100935	-176901.1413	882157.1372025076	39.26600716320033	-101.424041	290945.7825253857	435431.5755693731	3468.022865089165	3339.43103896408273	3309.50912924177	33.09472684002658	28.87831157654517
296	137	100936	-176241.1413	882157.1372025076	39.26601920376055	-101.421992	291146.8959	435423.507	3468.369725717163	3337.832370383377	3307.724756653621	31.930210869531	27.1005223834575
297	137	100937	-175581.1413	882157.1372025076	39.26603121	-101.4195782	291347.9284154636	435429.54453668	3367.716465548668	3336.450790909156	3305.59828394982	31.0683513531561	28.79007119173744
298	137	100938	-174921.1413	882157.1372025076	39.26604317	-101.4172472	291548.9997024712	435425.4015671737	3467.362058131193	3334.98225265462	3304.016053	32.71607126081562	30.966772439741817
299	137	100939	-174261.1413	882157.1372025076	39.26605577658686	-101.4149162	291750.07078438764	435431.356705334	3466.931344833167	3334.5247308337166	3302.6530218701746	33.37180044896066	30.7681196354196
300	137	100940	-173601.1413	882157.1372025076	39.2660694372029	-101.4125852	291951.1416614219	435420.3671047407	3467.320893545663	3332.073526898957	3301.4859930797724	33.0184594117853	30.485935919187303
301	137	100941	-172941.1413	882157.1372025076	39.26607835714745	-101.4102542	292152.2133781735	435420.25648273	3467.107346825914	3330.626490495846	3300.65950223068	32.741289843071	30.96989962578057
302	137	100942	-172281.1413	882157.1372025076	39.26609047071665	-101.407923	292353.2629	435420.2906931198	3468.099836970014	3329.1804929070717	3300.0304313	33.2119151120277	29.14617949344165
303	137	100943	-171621.1413	882157.1372025076	39.266102271685946	-101.405923	292554.3506529223	435420.1578284919	3467.261983357016	3327.7307758	3299.711265047206	33.16849840432915	28.748326594422
304	137	100944	-170961.1413	882157.1372025076	39.26611396730176	-101.4032613	292755.4231	435420.1584961265	3465.19643706145	3326.723490470294	3299.0193844534523	32.75206458377068	27.252964364274348
305	137	100945	-170301.1413	882157.1372025076	39.26612550854935	-101.4009303	292956.4280965186	435420.0709552115	3463.188018551185	3324.803463784221	3299.33255654122	32.8100113008981	27.59365803419758
306	137	100946	-169641.1413	882157.1372025076	39.26613719444342	-101.3985993	293157.5626326186	435423.01709774	3461.063346140492	3323.371769124433	3297.701591845841	32.25448014409916	27.75621772561574
307	137	100947	-168981.1413	882157.1372025076	39.26614873112348	-101.3962683	293358.63028123087	435423.06293087	3457.117394545274	3321.80701255984	3301.4981638133977	32.70943310258634	27.444971724016797
308	137	100948	-168321.1413	882157.1372025076	39.26616025	-101.3939373	293573.9132660243	435423.913867078	3451.2870519091252	3320.26265710722	3302.59287230679	30.669913060378	27.31571043884847
309	137	100949	-167661.1413	882157.1372025076	39.26617195117548	-101.3916304	293792.7016989733	435423.7018586776	3449.754573627474	3324.049821237434	3284.906582413345	32.78474162044437	27.1680351988165
310	137	100950	-167001.1413	882157.1372025076	39.2661831277663	-101.3892754	293961.3379981937	435423.53761626	3448.935297722173	3301.428764303198	3281.42764330198	32.86653940919246	26.136294372901924
311	137	100951	-166341.1413	882157.1372025076	39.26619448836568	-101.3869444	294162.9074533153	435423.7696977	3439.626568151595	3317.055271884929	3304.791610273641	32.71168887416	26.129091151965072
312	137	100952	-165681.1413	882157.1372025076	39.266205824279625	-101.3846134	294363.9727979152	435423.5288409	3438.2575964871555	3322.77995498575	3311.005069808068	3297.19605186977	26.12345180218356
313	137	100953	-165021.1413	882157.1372025076	39.26621710499741	-101.3822824	294565.045120455	435423.448371555	3432.77995498575	3311.005069808068	3297.19605186977	26.12345180218356	26.12345180218356
314	137	100954	-164361.1413	882157.1372025076	39.26622834068993	-101.3799514	294766.1125427582	435423.607444313	3431.2018748060605	3310.033856702097	3291.034652722353	32.9435651588093	26.1547699082114377
315	137	100955	-163701.1413	882157.1372025076	39.266239574357145	-101.3775294	294967.1805707244	435423.681381	3428.7731258745075	3286.900447678065	3290.075021254116	32.2311815420254116	26.1731191420345832
316	137	100956	-163041.1413	882157.1372025076	39.2662507699465	-101.3753984	295175.2479971635	435423.73761626	3428.935297722173	3301.428764303198	3281.42764330198	32.86653940919246	26.136294372901924
317	137	100957	-162381.1413	882157.1372025076	39.26626717781565	-101.3726584	295369.3154230089	435423.481066169	3427.2062640902275	3307.3063081801763	3277.299041487024	32.85945583918495	26.1039693152105
318	137	100958	-161721.1413	882157.1372025076	39.26627732306885	-101.3706274	295570.3826472658	435423.440412905	3425.927550976375	3302.338467676506	3274.7872262684	32.8575398120405	26.79606104765527
319	137	100959	-161061.1413	882157.1372025076	39.2662834377273	-101.3682964	295771.44667053947	435423.39436682	3426.005821433614	3300.308171912657	3271.2018699	32.8329689957044	26.790947308437723
320	137	100960	-160401.1413	882157.1372025076	39.26629480931321	-101.3659564	295972.5164930315	435423.348234233	3425.45048195613	3298.24816234965	3268.46761469206	32.811825349447643	26.79058173095937
321	137	100961	-159741.1413	882157.1372025076	39.26630572962584	-101.3636344	296137.5831149579	435423.30290056	3425.927550976375	3296.18074918315	3265.933682444493	32.8223057878782	26.7913608897271
322	137	100962	-159081.1413	882157.1372025076	39.26631693117855	-101.3613034	296374.5495	435423.26582718	3425.45048195613	3294.049821237434	3284.906582413345	32.78474162044437	26.1731191420345832
323	137	100963	-158421.1413	882157.1372025076	39.266327435781976	-101.3589724	296575.717590556	435423.1711175319	3424.917813927190	3291.91569039471	3281.940045322628	32.7914888435865	26.197524057208891
324	137	100964	-157761.1413	882157.1372025076	39.26633821220665	-101.3566414	296776.78177934093	435423.165857358	3424.904710464312	3289.764589614598	3260.1415971034153	32.755645137	26.22929251118293
325	137	100965	-157101.1413	882157.1372025076	39.26634898163382	-101.3543104	296977.8476010231	435423.120772719	3427.771606971043	3289.5973486254466	3258.6446619047133	32.744965292665365	26.285286770373254
326	137	100966	-156441.1413	882157.1372025076	39.26635965702146	-101.3519794	297178.9132231558	435423.07582175	3426.445244593655	3285.415244593655	3257.479990522453	32.64386977488465	26.3052330965704
327	137	100967	-155781.1413	882157.1372025076	39.2663703783576	-101.3496844	297379.97864595114	435423.031032188	3424.94570424955	3284.94570424955	3257.479990522453	32.64386977488465	26.3052330965704
328	137	100968	-155121.1413	882157.1372025076	39.26638097272012	-101.3473714	297581.0436960042	435423.29336	3423.263317279384	3281.9071166961948	3255.100114252573	32.625997878782	26.3052330965704
329	137	100969	-154461.1413	882157.1372025076	39.26639238538369	-101.3450814	297792.1986433162	435423.26582718	3423.263317279384	3281.9071166961948	3255.100114252573	32.625997878782	26.3052330965704
330	137	100970	-153801.1413	882157.1372025076	39.2664019831646	-101.3426554	297983.17370232895	435423.8957025141	3419.8947118279309	3276.539493000315	3252.32019937375	32.60336383473	26.31557034058013
331	137	100971	-153141.1413	882157.1372025076	39.266412458581348	-101.3403244	298184.2384477514	435423.85390551	3417.412977855144	3274.284324065791	3252.201797739193	32.58532528986422	26.2814949
332	137	100972	-152481.1413	882157.1372025076	39.2664228834156	-101.3379934	298385.3028769104	435422.771013706	3414.124414	3272.015833694354	3251.082956805316	32.57338268403825	26.447703345605351
333	137	100973	-151821.1413	882157.1372025076	39.26643324602389	-101.3356624	298586.3671075959	435422.76633091	3410.835850566976	3269.7348054590458	3249.8864790091734	32.564949109517	26.447703345605351
334	137	100974	-151161.1413	882157.1372025076	39.26644399206613	-101.3333314	298787.4311410995	435422.723113734	3407.547286925238	3267.			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogKrg.f	BR ElevLogKrg.f	LatH3LogKrg.f	SurfH3LogKrg.f
413	137	101053	-99021.141313	882157.1370250766	-39.29711779596643	-101.1491799	314670.88197514333	4315950.894367391	3270.6183750926184	3064.663462659284	3032.52312399665213	3032.52172239629373	32.140332727762725	32.15073869634671
414	137	101054	-98961.141313	882157.1370250766	-39.29712452039049	-101.1468489	314781.9300403086	4315946.866167131	3271.335456354631	3062.451774815022	3027.884713650205	3027.7040467078186	34.53106116481695	34.69530817023346
415	137	101055	-97701.141313	882157.1370250766	-39.29713217083637	-101.1368518	315027.978241791	4315943.138	3288.860741194616	3048.45263744787	2993.6187018653656	2993.635313103703	37.0338354483856	37.18954740498944
416	137	101056	-97041.141313	882157.1370250766	-39.297137860108494	-101.124168	315274.10221689974	4315938.317817351	3058.1117273185964	3018.498035078313	3018.3097441763235	3018.3097441763235	39.80179642780504	39.80179642780504
417	137	101057	-96381.141313	882157.1370250766	-39.29714446	-101.1386557	315475.0764877643	4315934.782681161	3257.5277059715304	3056.0664208747604	3013.730952981753	3013.48183383465	42.3254679903705	42.57123759111528
418	137	101058	-95721.141313	882157.1370250766	-39.2971501105992	-101.1375247	315676.12459001393	4315930.75	3251.88178359888	3054.054308248686	3009.036819865576	3009.7862781973035	45.22746833210995	45.22746833210995
419	137	101059	-95061.141313	882157.1370250766	-39.2971557899655	-101.1351936	315877.1726	4315926.727788505	3248.239064979131	3052.1366689597478	3004.479018080629	3004.280592780476	46.57684851119956	46.57684851119956
420	137	101060	-94401.141313	882157.1370250766	-39.297163891906735	-101.1328626	316078.2203312328	4315922.7090177	3246.661331856506	3050.2668777428303	3004.1094437551373	2999.874529259382	50.14733623278986	50.39044412482805
421	137	101061	-93741.141313	882157.1370250766	-39.297170399789564	-101.1306315	316279.2678616435	4315918.438	3246.68216272299	3048.45263744787	2993.6187018653656	2993.635313103703	53.05647579114451	53.05647579114451
422	137	101062	-93081.141313	882157.1370250766	-39.2971767254531	-101.128205	316480.213521954	4315914.67247136	3243.505871350992	3046.691408557203	2990.95478127235	2990.95478127235	55.023297740334	55.023297740334
423	137	101063	-92421.141313	882157.1370250766	-39.29718310047396	-101.1258694	316681.3625930336	4315910.6204982565	3243.7071895053024	3044.9754014921614	2986.955198	2986.5756834059105	58.2020209	58.398564462593
424	137	101064	-91761.141313	882157.1370250766	-39.29718938	-101.1235383	316882.409654527	4315906.595	3242.657555355133	3043.30452457586	2986.419040548294	2986.148088864	58.8549922	57.120482889471
425	137	101065	-91101.141313	882157.1370250766	-39.297195621049944	-101.1212073	317083.4563674856	4315902.568432527	3247.667615659633	3041.67394272886	2985.989337820453	2985.74175018416	58.68481147043308	59.39219088720154
426	137	101066	-90441.141313	882157.1370250766	-39.29720181379725	-101.1188762	317284.05323991483	4315898.54249122	3248.648287956413	3040.0803433179725	2985.209638028153	2984.9573433183486	54.87069630304064	55.12329147898726
427	137	101067	-89781.141313	882157.1370250766	-39.29720765157142	-101.1165452	317485.5497642796	4315884.7569435	3247.800063964163	3038.5200416019613	2984.06150666228	2983.965974769703	54.45975793693919	54.5548328258494
428	137	101068	-89121.141313	882157.1370250766	-39.297212140271043	-101.1142741	317686.5961099519	4315880.491207458	3242.123085076115	3036.902913358691	2982.500645	2982.5972472438103	54.8433608091105	54.3956611
429	137	101069	-88461.141313	882157.1370250766	-39.29722016	-101.1118831	317887.64272723295	4315868.465848187	3236.446219230467	3034.455484472288	2980.860720260045	2980.98186167625817	54.83378456122475	54.512738084647026
430	137	101070	-87801.141313	882157.1370250766	-39.2972613451496	-101.109552	318088.686262499	4315862.400467805	3235.769238920919	3034.02404709321	2979.132090743872	2979.0193540079321	54.9194096644853	55.004866644853
431	137	101071	-87141.141313	882157.1370250766	-39.29723210212644	-101.107221	318289.73407734424	4315878.416	3227.949016124002	3032.5800715650506	2977.11554549562	2976.738302628385	54.6447027048868	55.84701493671271
432	137	101072	-86481.141313	882157.1370250766	-39.297238202471075	-101.104889	318490.77971058397	4315874.39008496	3227.949016124002	3031.164403826205	2975.931859636216	2975.7373057625819	56.2262507625819	56.5840121175681
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448	137	101088	-75921.141313	882157.1370250766	-39.29732662531905	-101.067629	321707.465277703	4315810.02054583	3217.3785527120648	3010.81798018526	2935.71577392832	2935.71577392832	63.94384147728215	60.1021071
449	137	101089	-75261.141313	882157.1370250766	-39.29733181472255	-101.065218	321908.528656345	4315806.98817575	3217.3785527120648	3009.869056281771	2933.216315335732	2933.216315335732	64.77240093	60.213829874623
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451	137	101091	-73941.141313	882157.1370250766	-39.2973419863071	-101.0605997	322310.61323121376	4315797.95522491	3216.239537180169	3007.4846708487835	2933.290840244347	2949.08128595134	71.9638051	58.4365422563076
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457	137	10												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfBothKrg.ft	SatHtBoth.ft
539	137	11719	-15861.14133	882157.1370205766	39.2976157220627	-100.8554651	400001.6783279284	4315444.832992427	3029.9170724795767	39.224371606671257	2861.843528907524	2982.9889866253243	60.59383175937324	59.448264081801394
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542	137	1182	-13891.14133	882157.1370205766	39.29761465159184	-100.8484718	394064.7077714112	4315430.020896922	3029.0409412325083	39.2156167521109	2857.468258069003	2980.17689094314084	60.883397143084	58.1475843694308
543	137	1183	-13221.14133	882157.1370205766	39.29761554043398	-100.8461407	394085.7879421881	4315428.81331547	3029.255147019663	39.216197213377943	2856.572558288776	2980.06322429422	60.39957428917068	56.9087102863109
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546	137	1186	-11241.14133	882157.1370205766	39.29761804381198	-100.8391475	394148.8686261675	4315416.8060800805	3024.119804547828	39.21786943810228	2854.552965103878	2981.69605113305	58.2330761467011	51.0590848
547	137	1187	-10581.14133	882157.1370205766	39.29761879	-100.8368164	394169.8958778724	4315412.803849875	3023.50505	39.2193373584017	2853.951587596914	2982.8261813411264	57.42238989710309	46.51778624899054
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554	137	1194	-5961.141327	882157.1370205766	39.29762273825638	-100.8204898	394307.0767456296	4315384.78170337	3017.397476	39.200139698610254	2848.86000453679	2985.03498987409	52.4330014814942	46.371481141655
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556	137	1196	-4641.141327	882157.1370205766	39.29762346158814	-100.8158367	3943419.1272454314	4315376.784257055	3014.960373604848	39.20706858245827	2850.951031743933	2981.2311490257776	47.15974486154543	43.8736273661703
557	137	1197	-3981.141327	882157.1370205766	39.29762375571217	-100.8135056	3943620.152266954	4315372.783	3013.8431842171396	39.20659558140615	2845.920128187228	2984.548581545616	51.4203429933284	48.047043
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560	137	1200	-2001.141327	882157.1370205766	39.297624567916358	-100.8069123	3944223.2264204532	4315360.780001304	3010.067460136924	39.202768584131323	2849.51768704669	2984.1297262001783	50.9291810146641	51.3343123594545
561	137	1201	-1341.141327	882157.1370205766	39.297624824182684	-100.7873772	3944529.2593527829	4315356.780123376	3008.98438610281	39.201681174855874	2848.048439811215	2983.1448168743376	50.9291810146641	51.3343123594545
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564	137	1204	638.85867303514	882157.1370205766	39.29762455	-100.797118	3945027.321376057	4315344.780369038	3006.249453	39.20067672010339	2834.17212555427	2983.40556176671	52.3040443795977	50.71545503
565	137	1205	1298.85867303514	882157.1370205766	39.29762448769794	-100.7948569	3945228.3468950154	4315340.780724248	3005.371848474706	39.200139698610254	2833.5846	2983.1904821104463	52.3040443795977	50.71545503
566	137	1206	1958.85867303514	882157.1370205766	39.297624376570454	-100.7925258	3945429.37064608216	4315336.781	3004.401492404353	39.200139698610254	2832.70421291707	2983.87593628771	52.3040443795977	50.71545503
567	137	1207	2618.85867303514	882157.1370205766	39.29762426320524	-100.7903772	3945629.3946109119	4315332.780259632	3003.89836810281	39.200139698610254	2831.967206969775	2983.26129777058	52.3040443795977	50.71545503
568	137	1208	3278.85867303514	882157.1370205766	39.297624102191584	-100.7878373	3945831.4716101095	4315328.78054169	3003.75079105092	39.200139698610254	2831.04871238517	2983.26129777058	52.3040443795977	50.71545503
569	137	1209	3938.85867303514	882157.1370205766	39.2976237302026	-100.7855326	3946032.440722809	4315324.7804701816	3003.299483999028	39.200139698610254	2830.17322010533	2982.240984827993	52.3040443795977	50.71545503
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571	137	1211	5258.8586730351	882157.1370205766	39.29762314551378	-100.7808704	3946434.59647460405	4315316.786782682	3002.99620260311987	39.200139698610254	2828.3670921780834	2981.938128091965	52.3040443795977	50.71545503
572	137	1212	5918.8586730351	882157.1370205766	39.297622764218644	-100.7785393	3946635.50964678023	4315312.7885588	3002.9916203058	39.200139698610254	2827.4796463989256	2981.938128091965	52.3040443795977	50.71545503
573	137	1213	6578.8586730351	882157.1370205766	39.29762233789556	-100.7762082	3946835.52081911	4315308.79047592	3002.9916203058	39.200139698610254	2826.785761748584	2981.938128091965	52.3040443795977	50.71545503
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575	137	1215	7898.8586730351	882157.1370205766	39.29762172361667	-100.7715461	3947228.57684611054	4315300.794736471	3002.9916203058	39.200139698610254	2825.19635327033	2981.938128091965	52.3040443795977	50.71545503
576	137	1216	8558.8586730351	882157.1370205766	39.29762078875871	-100.769215	3947439.5990330293	4315296.79173635	3002.9916203058	39.200139698610254	2824.4077186525407	2981.938128091965	52.3040443795977	50.71545503
577	137	1217	9218.8586730351	882157.1370205766	39.29762018232386	-100.7668839	3947640.62105385924	4315292.799799261	3002.9916203058	39.200139698610254	2823.61953163525	2981.938128091965	52.3040443795977	50.71545503
578	137	1218	9878.8586730351	882157.1370205766	39.297619530861105	-100.7645528	3947841.642628606	4315288.80261347	3002.9916203058	39.200139698610254	2822.828751067954	2981.938128091965	52.3040443795977	50.71545503
579	137	1219	10538.8586730351	882157.1370205766	39.297618834370425	-100.7622217	3948042.6605615885	4315284.805615885	3002.9916203058	39.200139698610254	2822.0394931941408	2981.938128091965	52.3040443795977	50.71545503
580	137	1220	11198.8586730351	882157.1370205766	39.29761802875105	-100.7598807	3948243.6862296701	4315280.8080862	3002.9916203058	39.200139698610254	2821.25078077648	2981.938128091965	52.3040443795977	50.71545503
581	137	1221	11858.8586730351	882157.1370205766	39.29761721923024	-100.757525	3948445.708362974	4315276.81574111	3002.9916203058	39.200139698610254	2820.469317528148	2981.938128091965	52.3040443795977	50.71545503
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583	137	1223	13178.8586730351	882157.1370										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft	
65	137	10305	67298.8586730335	882157.1370250766	39.29739048701744	-100.5617491	365330.0032452062	4350941.76780826	2841.1691785095363	2707.022554139478	2646.8774613097894	2646.8591803689924	61.4509292898565	60.16337370748558
66	137	10306	67958.8586730335	882157.1370250766	39.29735873171	-100.559418	365331.0125067788	4350937.78723231	2837.5379689481156	2705.72416840562	2646.17394	2646.0474733811274	59.55347702	59.6799435428885
667	137	10307	68618.8586730335	882157.1370250766	39.29738121	-100.567887	365325.0234387017	4350943.26836716	2833.389019197347	2704.4271548334464	2646.85900042177	2646.0731409021477	58.5705748010221	58.5719434096435
668	137	10308	69278.8586730335	882157.1370250766	39.2973765102115884	-100.5547559	365303.0138	4350929.86527076	2828.620965564706	2703.121033761567	2646.065614220972	2646.576139191373	55.0541925948988	56.54489604249816
669	137	10309	69938.8586730335	882157.1370250766	39.29737161722703	-100.5524248	366134.014114185	4350925.846	2823.901593156534	2701.808680581287	2646.753925374371	2647.0563903774724	55.05435465415875	54.7526726424462
670	137	10310	70598.8586730335	882157.1370250766	39.29736697210806	-100.5500938	366335.0502582204	4350921.866569675	2819.7117214373	2700.488732637675	2647.335686807292	2647.59678761767715	53.1530453047555	52.8907707690902
671	137	10311	71258.8586730335	882157.1370250766	39.29736212816706	-100.5477627	366356.0592739952	4350917.886827281	2815.987143116575	2699.158929422211	2647.750621966028	2648.05421956028	51.40830726601085	51.1047106861088
672	137	10312	71918.8586730335	882157.1370250766	39.297357244005885	-100.5454316	36737.06817443	4350913.30736233	2814.447373104376	2697.815824682834	2647.68811728079	2648.197776478715	50.4617739504464	49.6177403031109
673	137	10313	72578.8586730335	882157.1370250766	39.29735214964846	-100.543106	366938.0701899426	4350909.22683365	2812.70831868683	2697.056857670217	2647.65868419384	2647.65868419384	49.39972273	48.5719435873454
674	137	10314	73238.8586730335	882157.1370250766	39.2973474068579	-100.5407695	367139.0595401073	4350905.49994234	2811.052903505446	2695.072345	2646.93295571427	2646.83605179682	48.1053597453731	48.236233136805
675	137	10315	73898.8586730335	882157.1370250766	39.29734272111533	-100.5384384	36804.0941512092	4350903.96964348	2808.354443280274	2693.658177800482	2644.3650986011193	2645.305698330456	48.0592050939279	48.30757968775
676	137	10316	74558.8586730335	882157.1370250766	39.29732757534444	-100.5361074	367541.1025255043	4350897.99128239	2807.564897779257	2692.209110989748	2644.525254	2643.7473394274334	48.6865075814781	48.4617715623044
677	137	10317	75218.8586730335	882157.1370250766	39.2973214832619	-100.5337763	367742.1107720024	4350894.01262637	2806.7785326871	2690.7238051807817	2640.7628648994413	2641.70311345240376	48.99367056574414	48.99367056574414
678	137	10318	75878.8586730335	882157.1370250766	39.29732690490054	-100.5314452	367943.118914996	4350880.034242613	2803.905925797721	2689.2604587440537	2639.1218055729273	2639.8821619445007	50.08466031126405	49.32430329553025
679	137	10319	76538.8586730335	882157.1370250766	39.297321794827525	-100.5291142	368144.126883067	4350876.05946165	2799.919120636326	2687.666440792567	2636.670458762783	2638.351423290897	50.9996230113549	49.31500789
680	137	10320	77198.8586730335	882157.1370250766	39.29731655053712	-100.5267813	368345.134748787	4350882.078037278	2793.56417508551	2686.111629747395	2635.3299920417644	2636.9671718575094	50.7816380653052	49.5105778898558
681	137	10321	77858.8586730335	882157.1370250766	39.29731126119356	-100.524452	368546.1424870674	4350878.10215946	2787.2092211074887	2684.5491701566007	2633.06964343956	2637.050334028218	49.47952781164486	47.49883702782706
682	137	10322	78518.8586730335	882157.1370250766	39.29731058974266	-100.5221121	368747.150098306	4350874.122582162	2780.854217129467	2682.940955	2632.940955	2632.940955	48.71558217737305	47.441045086795
683	137	10323	79178.8586730335	882157.1370250766	39.2973054750183	-100.5197899	368948.1575842211	4350870.145135912	2784.01242359088	2681.424279222244	2633.682303343116	2634.6447304085794	47.74192404791285	46.7794977064501
684	137	10324	79838.8586730335	882157.1370250766	39.297305132102074	-100.5174588	369149.160434337	4350866.16777914	2776.301479776767	2679.87081060815	2633.150068038954	2633.8233954894511	46.72074259159484	46.72074259159484
685	137	10325	80498.8586730335	882157.1370250766	39.29729963571001	-100.5151278	369350.121767046	4350862.19009594	2775.499512360246	2678.32759952307	2632.824242095827	2632.984167667479	46.555178594898	45.3434318561738
686	137	10326	81158.8586730335	882157.1370250766	39.29728413922062	-100.5127667	369551.1762840587	4350858.21932204	2774.677956567426	2676.7969047469931	2631.2681657971102	2631.2681657971102	45.302579496109554	45.302579496109554
687	137	10327	81818.8586730335	882157.1370250766	39.29727208919816	-100.5104619	369756.2659949817	4350854.381	2774.94377947904	2675.17407970704	2630.59550225097	2630.59550225097	45.1752105731921	44.7414919
688	137	10328	82478.8586730335	882157.1370250766	39.2972725722998	-100.5081346	369953.132127613	4350850.267171416	2775.40770776776	2673.78476426209	2628.372347658396	2627.6602018010867	45.4065287623315	44.716624512327
689	137	10329	83138.8586730335	882157.1370250766	39.29726735693735	-100.5058035	370054.15199	4350846.28436203	2774.9703793752	2672.292301651129	2626.281264464534	2625.056891074043	45.01103719	44.2352037708596
690	137	10330	83798.8586730335	882157.1370250766	39.2972616113023	-100.5034725	370355.20646074245	4350842.30826243	2773.5853479613666	2670.8218315637296	2624.10336741087	2621.9956543018598	46.71649482542744	45.8261721869816
691	137	10331	84458.8586730335	882157.1370250766	39.29725589133965	-100.5011414	370562.2512942597	4350838.32	2774.107915087375	2669.382261013223	2621.83980192412454	2621.83980192412454	46.5890686076875	45.8261721869816
692	137	10332	85118.8586730335	882157.1370250766	39.29725010692149	-100.4988104	370757.21929978917	4350834.357	2773.8284801141	2667.932121025139	2619.648943165185	2619.648943165185	46.2835276595412	45.509529749848264
693	137	10333	85778.8586730335	882157.1370250766	39.29724277276295	-100.4961718	370965.258279743	4350830.381	2773.6477948147226	2666.5164689514725	2617.176787031899	2617.176787031899	46.232725897418211	45.8261721869816
694	137	10334	86438.8586730335	882157.1370250766	39.29723440239065	-100.4941482	371167.231641549	4350826.450602075	2773.41154407489	2665.2380910583	2616.1239071920364	2616.1239071920364	46.1752766764075	45.727667764075
695	137	10335	87098.8586730335	882157.1370250766	39.2972348290419	-100.4918172	371360.2376244428	4350822.43040556	2774.106593405461	2663.7343554841386	2609.669348582764	2609.50410263035	50.50500609136227	54.323024853346
696	137	10336	87758.8586730335	882157.1370250766	39.297226518177325	-100.4894861	371561.243487359	4350818.455369481	2706.07540509657	2662.37673072077	2604.467891925564	2605.983319	51.7719042728615	56.3933484749706
697	137	10337	88418.8586730335	882157.1370250766	39.29722051	-100.4871551	371762.249225331	4350814.405874812	2704.08424669774	2661.041915089175	2600.940917332826	2602.610229389051	60.10097753647515	58.4318670102449
698	137	10338	89078.8586730335	882157.1370250766	39.297214453642084	-100.484824	371963.254397113	4350810.50504501	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
699	137	10339	89738.8586730335	882157.1370250766	39.2972083583371	-100.482493	372164.260331007	4350806.53149364	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
700	137	10340	90398.8586730335	882157.1370250766	39.29720228919816	-100.4801619	372365.2659949817	4350802.552241172	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
701	137	10341	91058.8586730335	882157.1370250766	39.297196101913551	-100.4778038	372566.2659949817	4350798.36263053	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
702	137	10342	91718.8586730335	882157.1370250766	39.2971897424575	-100.4754998	372767.270683642	4350794.60927306	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
703	137	10343	92378.8586730335	882157.1370250766	39.2971834215228	-100.4731687	372968.2810693253	4350790.65359912	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
704	137	10344	93038.8586730335	882157.1370250766	39.29717717938483	-100.4708377	373169.285842169	4350786.06209687	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
705	137	10345	93698.8586730335	882157.1370250766	39.29717089041372	-100.4685906	373370.2905204196	4350782.68874761	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
706	137	10346	94358.8586730335	882157.1370250766	39.297164341554	-100.466175	373571.293400452	4350780.71561178	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
707	137	10347	95018.8586730335	882157.1370250766	39.29715794339065	-100.463829	373772.306545116	4350778.79958129	2700.0924828906	2659.73006705442	2597.5382149395456	2597.5382149395456	60.8081212949709	60.8081212949709
708	137	10348	95678.8586730335	882157.1370250766	39.2971514293379	-100.461513	373973.3042741674	4350776.71909298	2700.09248					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBoth.f	SurfThk.f	Both.f
1	13	104131	-337941.1413	882821.3170250766	39.29353476604923	-101.992999	241881.7503473037	43352622.932310364	3895.621863412672	37.078908915424	3670.4202964664264	3715.032326687929	38.595104489975	0
52	138	104143	-337281.1413	882817.3170250766	39.29355577963681	-101.9906862	242082.8781202371	433536.8135	3897.489975	37.0765985504184	3670.43191774600212	3722.21056236913	38.1667075443919	0
53	138	104143	-336621.1413	882817.3170250766	39.29360784896049	-101.9916374	242284.06053572249	433536.1473161438	3898.3368010691069	37.07428142259564	3668.945613299916	3708.55000793655	38.17989458305845	0
54	138	104143	-335961.1413	882817.3170250766	39.29360372673922	-101.9906007	242485.1328994333	433536.104	3901.2261965571474	37.07266552	3665.81106556706	3691.18517193519	38.45826867	11.08778031530984
55	138	104143	-335301.1413	882817.3170250766	39.293626623539989	-101.9836759	242686.2599061745	433536.0624832284	3900.9943414908236	37.071232972406698	3661.722472706698	3678.944893901938	38.40005502788991	21.62840327292524
56	138	104143	-334641.1413	882817.3170250766	39.29364947544252	-101.9813451	242887.3865795082	433536.047583266	3902.662453962255	3697.941487873667	3657.314568	3671.0340902430933	38.406792035657235	26.5657962627978
57	138	104143	-333981.1413	882817.3170250766	39.29367222826703	-101.9790144	243088.5115459697	433536.0439175838	3896.3305489162734	3695.8765019540288	3652.9686304001275	3667.504583577492	38.402879146	28.33591834765493
58	138	104143	-333321.1413	882817.3170250766	39.29369504407343	-101.9766836	243289.6339974328	433536.0256261118	3893.936689716023	3693.78023305535	3648.744814460314	3658.83416317141	38.40534184510378	34.94581988814208
59	138	104143	-332661.1413	882817.3170250766	39.29371776088162	-101.9747528	243490.7635854625	433536.0156339581	3891.70363024259564	3694.8110711211545	3653.19443719586	3648.8925971244179	38.40292591244179	38.58918952272938
60	138	104140	-332001.1413	882817.3170250766	39.29374045235157	-101.972022	243691.8911552502	433536.06209641	3890.395247938123	3693.46412296459	3641.320775770567	3654.01703213203	38.4025459343779	35.62913308292165
61	138	104141	-331341.1413	882817.3170250766	39.29376303832345	-101.9696913	243893.0169695655	433536.0581	3888.770245063364	3697.6065457954896	3637.685890564665	3650.92497142568	38.40264974002314	37.36807867
62	138	104142	-330681.1413	882817.3170250766	39.293785641116635	-101.9673605	244094.141265368	433537.786852741	3887.1452421925496	3685.58483507862	3634.2693115885754	3645.40714833015	38.40251571928641	38.147078614208
63	138	10443	-330021.1413	882817.3170250766	39.293808177831636	-101.9650297	244295.2667864214	433537.727729739	3886.37195	3683.5803480540776	3631.071785256885	3631.071785256885	38.410804703562185	38.147078614208
64	138	10444	-329361.1413	882817.3170250766	39.29383069528226	-101.9626989	244496.3911810597	433536.6978	3886.4503691791	3681.5907483636936	3627.7386137674357	3631.071785256885	38.410804703562185	38.147078614208
65	138	10445	-328701.1413	882817.3170250766	39.29388312	-101.960381	244697.5158444118	433536.562452101	3886.528788127846	3679.812974530233	3624.089719531666	3627.7386137674357	38.410804703562185	38.147078614208
66	138	10446	-328041.1413	882817.3170250766	39.29391757196608	-101.9580374	244898.6401978753	433536.481478451	3886.677420776526	3677.842022126654	3621.109611412416	3619.408960740754	38.410804703562185	38.147078614208
67	138	10447	-327381.1413	882817.3170250766	39.293938787	-101.9557568	245099.7641858908	433536.392697401	3885.416825650676	3675.674717407423	3618.337250221864	3614.356334697193	38.410804703562185	38.147078614208
68	138	10448	-326721.1413	882817.3170250766	39.29392019612977	-101.9533758	245300.8878668273	433535.298	3882.957647152136	3673.709992401117	3615.77034225138	3613.9396501887302	38.410804703562185	38.147078614208
69	138	10449	-326061.1413	882817.3170250766	39.293942452733724	-101.951045	245502.01132275947	433534.203713088	3880.498461824753	3671.7396861196808	3614.00735600131	3614.42240234868	38.410804703562185	38.147078614208
70	138	10450	-325401.1413	882817.3170250766	39.29396467431902	-101.9487142	245703.1345260551	433534.109509809	3878.039279943177	3669.726086247025	3611.752449309305	3611.752449309305	38.410804703562185	38.147078614208
71	138	10451	-324741.1413	882817.3170250766	39.29398688085858	-101.9463834	245904.2547865605	433534.015490102	3875.483190309887	3667.714227298128	3608.961868808973	3611.752449309305	38.410804703562185	38.147078614208
72	138	10452	-324081.1413	882817.3170250766	39.2940086243344	-101.9440526	246105.3801785003	433536.316806967	3873.80202824844	3665.772897899157	3607.075374943257	3606.74849132816	38.410804703562185	38.147078614208
73	138	10453	-323421.1413	882817.3170250766	39.29403168982456	-101.9417238	246306.5232766238	433536.232834328	3872.630284823489	3664.783498223489	3605.93498223489	3605.93498223489	38.410804703562185	38.147078614208
74	138	10454	-322761.1413	882817.3170250766	39.294053114036374	-101.939391	246507.624925187	433532.73402338	3867.52422172555	3661.7193459692004	3604.14781714198	3611.752449309305	38.410804703562185	38.147078614208
75	138	10455	-322101.1413	882817.3170250766	39.29407510697015	-101.9370602	246708.7468716552	433536.41379968	3865.8051434009	3659.6385983092002	3602.582558	3609.391498192751	38.410804703562185	38.147078614208
76	138	10456	-321441.1413	882817.3170250766	39.29407058447456	-101.9347294	246909.8665729313	433532.504331308	3865.24613607813	3657.586574206916	3601.056605932327	3608.329766810385	38.410804703562185	38.147078614208
77	138	10457	-320781.1413	882817.3170250766	39.29411896490094	-101.9323986	247110.9001226953	433536.1645547634	3864.618721773767	3655.486974140611	3599.1645547910534	3608.107232343856	38.410804703562185	38.147078614208
78	138	10458	-320121.1413	882817.3170250766	39.29414062363547	-101.9300078	247312.1110679975	433536.1262813674	3863.971360945406	3653.36306578148	3597.936501370075	3608.107232343856	38.410804703562185	38.147078614208
79	138	10459	-319461.1413	882817.3170250766	39.2941628475989	-101.9277377	247513.2251511293	433536.093238	3862.957076742562	3651.2168301328083	3596.88954583141	3607.9310381492	38.410804703562185	38.147078614208
80	138	10460	-318801.1413	882817.3170250766	39.29418441141724	-101.9254052	247714.352544772	433536.059494	3861.054591	3650.6598122224	3595.63102443372	3616.35120443372	38.410804703562185	38.147078614208
81	138	10461	-318141.1413	882817.3170250766	39.29420614052453	-101.9230754	247915.4732897743	433536.05980167	3858.654145400263	3646.8514281522466	3595.67209036005	3621.293897601655	38.410804703562185	38.147078614208
82	138	10462	-317481.1413	882817.3170250766	39.29422781882615	-101.9207446	248116.5934858716	433535.9946073375	3856.652292646037	3643.7430081087313	3593.296107973113	3622.25889434841	38.410804703562185	38.147078614208
83	138	10463	-316821.1413	882817.3170250766	39.29424945822152	-101.9184138	248317.73429962	433534.90238703	3854.2263125940606	3642.7297588281085	3586.873669818124	3612.65718655275	38.410804703562185	38.147078614208
84	138	10464	-316161.1413	882817.3170250766	39.294271049541166	-101.916083	248518.8332613497	433534.810791514	3851.368102879566	3640.724580189708	3580.914875996963	3610.914875996963	38.410804703562185	38.147078614208
85	138	10465	-315501.1413	882817.3170250766	39.29429255958146	-101.9137522	248719.9525729552	433534.71995378	3848.512587961106	3638.687369591597	3575.5419622453802	3593.419221088887	38.410804703562185	38.147078614208
86	138	10466	-314841.1413	882817.3170250766	39.29431692712264	-101.9114213	248913.628440891	433534.628440891	3845.702476714252	3637.504788192525	3568.5910381492	3585.5910381492	38.410804703562185	38.147078614208
87	138	10467	-314181.1413	882817.3170250766	39.2943355383433	-101.9090905	249127.9107142852	433534.5710310459	3842.4750217113005	3636.578665173455	3565.362136920807	3579.897602973537	38.410804703562185	38.147078614208
88	138	10468	-313521.1413	882817.3170250766	39.29435696426516	-101.9067597	249323.3094228006	433534.474672485	3838.96642603292	3632.488935341429	3631.436548681513	3577.911279572127	38.410804703562185	38.147078614208
89	138	10469	-312861.1413	882817.3170250766	39.294378330849455	-101.9044289	249524.748758985	433534.365226692	3835.458734073178	3630.831446900326	3558.287042573478	3579.897602973537	38.410804703562185	38.147078614208
90	138	10470	-312201.1413	882817.3170250766	39.29439965205796	-101.9020081	249725.5460811965	433534.26578383	3831.9492348116125	3628.258973823108	3555.6430548224653	3561.260126321346	38.410804703562185	38.147078614208
91	138	10471	-311541.1413	882817.3170250766	39.29442092823664	-101.8997673	249926.604368287	433534.175132344	3829.7366761161125	3626.124143084078	3553.331683487165	3578.6993294891195	38.410804703562185	38.147078614208
92	138	10472	-310881.1413	882817.3170250766	39.29444126	-101.8973484	250127.78174849125	433534.085745033	3822.802154394193	3623.96447421695	3551.632913384594	3573.5654484763257	38.410804703562185	38.147078614208
93	138	10473	-310221.1413	882817.3170250766	39.294463405556	-101.8949738	250327.853295444	433534.00029581	3817.90258426444	3621.80258426444	3549.8885114845478	3571.632913384594	38.410804703562185	38.147078614208
94	138	10474	-309561.1413	882817.3170250766	39.29448486675058	-101.8927748	250530.1642823262	433534.906358748	3812.9711080335	3619.862243538756	3548.00206879168	3559.0206879168	38.410804703562185	38.147078614208
95	138	10475	-308901.1413	882817.3170250766	39.29450558277592	-101.890444	250731.1333947							

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevLogKg.f	BRIElevBothKg.f	SatHtLogKg.f	SatHtBoth.f
177	138	10557	-254781.1413	882821.3170250766	39.26068225778514	-101.699312	26722.9014853715	4333108.14103589	3688.558962839214	370.504680027373	3428.42515281292	3428.4504773605295	30.34265272144524	60.2999906420783
178	138	10558	-254121.1413	882821.3170250766	39.26069661712496	-101.696981	267423.0013724284	433303.9675880179	3688.432912253195	3487.465113300044	3425.087762355799	3425.092009068353	62.3773300460517	62.04403939
179	138	10559	-249501.1413	882821.3170250766	39.26116921144206	-101.694661	267624.0009287783	433309.9453423485	3688.720990571945	3428.189290445176	3422.225238424928	3422.225238424928	64.8417220932001646	64.8417220932001646
180	138	10560	-252801.1413	882821.3170250766	39.2613420073633	-101.682192	267825.1905576281	433305.1027279445	3684.965447684243	3418.53793136657	3419.004475750888	3419.004475750888	67.65810020333556	67.65810020333556
181	138	10561	-252141.1413	882821.3170250766	39.2615143	-101.689982	268026.2915561825	433307.1484820403	3682.461567488743	3483.544082949646	3415.473682227416	3415.865679603014	68.07062012673036	67.67406898173252
182	138	10562	-251481.1413	882821.3170250766	39.261680425646	-101.6876753	268227.3678254691	433308.776	3680.298238361059	3412.430948243136	3412.9433477073056	3412.9433477073056	69.7165307	69.25936754575333
183	138	10563	-250821.1413	882821.3170250766	39.26185738482194	-101.6853264	268428.483866221	433308.703237597	3678.55840736118	3480.8362073206404	3409.76289651184	3410.337042	71.0688937695432	70.49916517011025
184	138	10564	-250161.1413	882821.3170250766	39.262022768502	-101.682955	268628.5796781257	433303.6420394283	3677.24207444616	3479.439300582186	3407.426727442037	3408.420595313292	72.0125761618139	71.41470654
185	138	10565	-249501.1413	882821.3170250766	39.2621987198468	-101.680646	268820.5626155993	433305.358839895	3675.9257415200137	3478.005654898837	3405.94154526965	3422.736525099777	72.0641465588852	72.0641465588852
186	138	10566	-248841.1413	882821.3170250766	39.26236877021804	-101.678338	269031.7706170716	433307.1484820403	3675.6504952252	3476.529944712556	3403.634372153172	3404.273755504	72.2923232	72.2923232
187	138	10567	-248181.1413	882821.3170250766	39.2625382515568	-101.676028	269232.8657437955	4333067.41205921	3677.9780640459717	3475.007823	3402.149345917977	3402.1752048007418	72.6584715459232	72.9258265654824
188	138	10568	-247521.1413	882821.3170250766	39.26267073426651	-101.6736717	269433.960634034	433306.34381553	3671.031707881347	3473.434889908593	3401.46867818473	3401.38048519791	71.9477002725152	72.0539947
189	138	10569	-246861.1413	882821.3170250766	39.26287598354276	-101.6713408	269635.0553416496	433305.22925513	3669.083531716715	3471.8095832513394	3400.4078174694225	3400.4078174694225	71.9610535	71.38840591080452
190	138	10570	-246201.1413	882821.3170250766	39.263034417418924	-101.6690098	269836.1497574976	433305.201317365	3667.13995520789	3470.13958048869	3399.916455	3399.916455	72.0231327717884	70.084224
191	138	10571	-245541.1413	882821.3170250766	39.26323119146044	-101.6666789	270037.24397596384	433305.130248883	3664.845234769302	3468.440592742213	3399.6133044340363	3399.6133044340363	72.08728831	68.4794190864958
192	138	10572	-244881.1413	882821.3170250766	39.2633702047679	-101.6643479	270238.379654941	433304.709	3662.2042454912457	3466.740899	3398.1817881001816	3396.30278873849	70.5580011091263	70.4381042546092
193	138	10573	-244221.1413	882821.3170250766	39.263540447473826	-101.662017	270439.431	433304.98891907	3659.561219570663	3465.015974984084	3398.325375299573	3393.28811807898	71.9394741600302	71.9394741600302
194	138	10574	-243561.1413	882821.3170250766	39.26371243445805	-101.6596861	270640.525264906	433304.98151688	3656.9212495195763	3463.7155203543	3390.79992065439	3390.862142	72.7162546313812	72.65541032374317
195	138	10575	-242901.1413	882821.3170250766	39.26387387339443	-101.6573551	270841.6185748776	433303.483626028	3654.45312684275	3462.106275803452	3388.500728666144	3388.6611331181502	73.6055489373088	73.44514446
196	138	10576	-242241.1413	882821.3170250766	39.2640343831974	-101.6550242	271042.1716586347	433303.77826209	3652.1562340700157	3460.898077010057	3386.000498	3386.336611684823	74.5531963735193	74.5531963735193
197	138	10577	-241581.1413	882821.3170250766	39.2642089022176	-101.6528932	271243.8061563807	433302.708599717	3649.893156237488	3459.873156237488	3382.874546859623	3383.192223449906	75.989017434999	75.68073339376679
198	138	10578	-240921.1413	882821.3170250766	39.26437349100394	-101.6503623	271444.8971	433302.233689159	3647.952130703696	3459.02662655994	3378.743136474392	3378.743136474392	76.292070060217	76.0378948088513
199	138	10579	-240261.1413	882821.3170250766	39.264537529959273	-101.6481467	271649.1900573393	433301.646569	3645.204570154564	3457.448705916122	3378.4691474140264	3378.4691474140264	76.58941474140264	76.58941474140264
200	138	10580	-239601.1413	882821.3170250766	39.26470131737846	-101.6457004	271847.0817350616	433301.540032953	3642.972116	3457.801201028825	3374.9887357903186	3373.74202090671	82.6913842236368	83.932918121137
201	138	10581	-238941.1413	882821.3170250766	39.2648645559583	-101.6433694	272048.1736913551	4333010.431	3640.67576624177	3457.115671807382	3375.7382900527305	3374.52859487685	81.7869751456166	82.58707232
202	138	10582	-238281.1413	882821.3170250766	39.26502734388795	-101.6410385	272249.2655207843	4333006.36242106	3638.383057418423	3456.596072865176	3376.3684948731043	3374.806976	82.277580031343	81.78696951152753
203	138	10583	-237621.1413	882821.3170250766	39.2651898810512	-101.6387075	272450.3570280772	4333003.29786983	3635.099024655122	3456.109072959564	3376.694268172716	3376.694268172716	81.78696951152753	81.78696951152753
204	138	10584	-236961.1413	882821.3170250766	39.2653516858793	-101.6363765	272651.44830949215	4332998.25308256	3633.825538	3455.64714835304	3376.5023897338653	3376.5178200851473	81.86202754874967	81.86202754874967
205	138	10585	-236301.1413	882821.3170250766	39.265513006211	-101.6340616	272852.157039138	433298.25308256	3632.50516203846	3454.204570154564	3376.5178200851473	3376.5178200851473	81.86202754874967	81.86202754874967
206	138	10586	-235641.1413	882821.3170250766	39.26567102271804	-101.6317416	273059.619492036	433298.09891702	3631.277856	3453.77115689513	3376.77005580924	3376.77005580924	81.86202754874967	81.86202754874967
207	138	10587	-234981.1413	882821.3170250766	39.2658345295697	-101.6293837	273254.7008083455	433298.01075843	3630.915092294234	3454.35587636227	3375.287413026742	3371.978818950093	82.0746600748533	82.0746600748533
208	138	10588	-234321.1413	882821.3170250766	39.2659946160296	-101.6270527	273455.8112	4332981.95381587	3629.61894214299	3473.829476404207	3371.978818950093	3371.978818950093	82.10372251	82.10372251
209	138	10589	-233661.1413	882821.3170250766	39.266154252257	-101.6247218	273656.9013511904	4332977.88587829	3628.38367384714	3453.9901302882	3374.245533393284	3374.245533393284	82.2537769	82.0703181
210	138	10590	-233001.1413	882821.3170250766	39.2663134	-101.6223098	273857.99129341956	4332981.95381587	3627.08125580748	3452.999107298463	3373.709416685746	3373.709416685746	82.2537769	82.0703181
211	138	10591	-232341.1413	882821.3170250766	39.26647271739049	-101.6200598	274059.0810085631	4332969.75144862	3618.091777853439	3452.401294269227	3373.188313989779	3368.71955564794	82.228033314359	83.22119392621687
212	138	10592	-231681.1413	882821.3170250766	39.266630	-101.6177289	274260.1760073319	433296.84520446	3616.418421754545	3451.646537315386	3372.768042340495	3372.768042340495	82.228033314359	82.228033314359
213	138	10593	-231021.1413	882821.3170250766	39.2667896294329	-101.6153979	274461.297025292	433296.78170493	3615.00751056535	3450.759910401018	3372.57857772129	3368.71955564794	82.228033314359	82.228033314359
214	138	10594	-230361.1413	882821.3170250766	39.2669456796391	-101.6130669	274662.348472211	4332957.551239298	3613.071716831761	3449.79148486275	3372.54840250996	3364.64173498279	82.228033314359	82.228033314359
215	138	10595	-229701.1413	882821.3170250766	39.267102144066	-101.610736	274863.4367418671	4332948.8488055	3611.3628919105918	3448.795655309006	3372.47324263633	3363.17125623633	85.1626400249378	85.1626400249378
216	138	10596	-229041.1413	882821.3170250766	39.267259089349	-101.608405	275064.5264440234	4332948.41724356	3608.618595421453	3447.796142272329	3372.493903750165	3362.067927	85.2963835221635	85.2963835221635
217	138	10597	-228381.1413	882821.3170250766	39.2674151332239	-101.606074	275265.614625031	4332945.35274193	3607.8742995743984	3447.796142272329	3372.493903750165	3362.067927	85.2963835221635	85.2963835221635
218	138	10598	-227721.1413	882821.3170250766	39.26757017727235	-101.6037431	275466.7027835957	4332941.2699574	3606.3300453252	3445.80724681107	3372.493903750165	3362.067927	85.2963835221635	85.2963835221635
219	138	10599	-227061.1413	882821.3170250766	39.26772591182106	-101.601416	275667.81739144	4332937.17444848	3605.294959289	3444.829428794398	3372.493903750165	3362.067927	85.2963835221635	85.2963835221635
220	138	10600	-226401.1413	882821.3170250766	39.2678805	-101.5990811	275868.874375456	4332931.55992847	3604.608324275324	3443.7991014018	3372.57857772129	3368.71955564794	82.228033314359	82.228033314359
221	138	10601	-225741.1413	882821.3170250766	39.2680347679795	-101.5967502	276069.96983259234	4332929.09078758	3597.5048183818673	3442.925625184358	3371.6117291368905	3368.02598764083	82.228033314359	82.228033314359

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtBoth.ft	
300	138	16883	-171621.1413	882821.3170250766	39.29791497060369	-101.405073	292558.4079295259	432596.39037034	363.68664425789313	328.000889281865	3299.212811366064	313.55983089584806	28.78807767122654	12.402508040705904
304	138	16884	-170961.1413	882821.3170250766	39.29796266568456	-101.403273	292759.4778991313	432592.534702227	362.59564380804	3326.59580077367	3299.299070602556	3311.264175343523	27.304901001481378	15.335412673213341
306	138	16885	-170301.1413	882821.3170250766	39.29793280861134	-101.409485	292658.946444648	432589.35859825	343.2417821848425	3315.038593868448	3294.118429106987	3309.115642010633	26.04479807483927	10.0796987
308	138	16886	-169641.1413	882821.3170250766	39.2979498425088	-101.398612	293161.6169991304	432594.2848	3400.305783955054	3324.737953476624	3300.3655303157333	3300.3655303157333	26.04479807483927	16.992251189501076
307	138	16887	-168881.1413	882821.3170250766	39.29796144541411	-101.396232	293362.8681479675	432596.198882214	346.3822295043613	3322.2963006344203	3317.011539457256	3306.8251471488005	25.6847611777164182	15.472791646115328
308	138	16888	-168321.1413	882821.3170250766	39.2979727515103	-101.393521	293563.7551950194	432526.75	3449.66227343963	3320.802570444861	3303.323759357056	3306.746427	24.78747800870488	14.1279804541199
309	138	16889	-167661.1413	882821.3170250766	39.29798441266167	-101.3916211	293764.8201951526	432526.7210889015	3442.94251682867	3319.260936202993	3304.2884617424834	3306.34719022764	24.78747800870488	15.472791646115328
310	138	16900	-167001.1413	882821.3170250766	39.2979958274599	-101.38929	293855.8926758816	432526.6804	3436.22230016189	3317.679753965074	3304.427600407075	3305.6511707745876	23.25213555782633	12.02777919269854
311	138	16901	-166341.1413	882821.3170250766	39.29800719980339	-101.385424	294166.9611163456	432594.3057007574	3432.2417821848425	3315.038593868448	3294.118429106987	3309.115642010633	26.04479807483927	10.0796987
312	138	16902	-165681.1413	882821.3170250766	39.29801653	-101.3846279	294368.0235168846	432595.97892462	3431.0008623085	3314.340317	3301.524715138763	3304.42869679548	23.25213555782633	12.02777919269854
313	138	16903	-165021.1413	882821.3170250766	39.2980280684069	-101.382296	294569.0793842646	432595.970274882	3429.759342772783	3313.8318067413	3295.7801654305784	3297.482058109185	16.80024744	15.10037576522971
314	138	16904	-164361.1413	882821.3170250766	39.29804104281946	-101.379958	294770.1652159594	432551.863	3428.519020323678	3307.76748662228	3289.980279504394	3292.581750152054	20.7847467361824383	18.18604171901737
315	138	16905	-163701.1413	882821.3170250766	39.29805223377178	-101.3776348	294971.23284529625	432547.815612433	3428.519020323678	3308.897140786437	3284.748017043095	3289.980279504394	24.41339020420047	16.80024744
316	138	16906	-163041.1413	882821.3170250766	39.29806379697634	-101.3753037	295172.3007203451	432543.76867349	3427.5270261524875	3306.97541331309	3280.118442541042	3280.118442541042	25.6847611777164182	15.472791646115328
317	138	16907	-162381.1413	882821.3170250766	39.29807446059705	-101.372926	295373.3674994045	432539.37173047	3427.5270261524875	3306.97541331309	3280.118442541042	3280.118442541042	25.6847611777164182	15.472791646115328
318	138	16908	-161721.1413	882821.3170250766	39.2980853646994	-101.370616	295574.4345245826	432535.675	3427.031643224677	3303.013881195905	3273.430272403166	3285.36714742958	25.6847611777164182	15.472791646115328
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320	138	16910	-160401.1413	882821.3170250766	39.29810751313611	-101.3659795	295976.5672722516	432520.44551278156	3429.404512778516	3308.897024016155	3267.728652538746	3282.340267617353	23.6253163290926	15.0695653421276
321	138	16911	-159741.1413	882821.3170250766	39.29811843392639	-101.3636484	296177.6343950883	432523.36203038	3431.069053799628	3296.76875616774	3265.345192943438	3280.69532860921	24.41339020420047	16.80024744
322	138	16912	-159081.1413	882821.3170250766	39.2981239306906	-101.3613174	296378.7006175944	432523.36203038	3431.069053799628	3296.76875616774	3265.345192943438	3280.69532860921	24.41339020420047	16.80024744
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324	138	16914	-157761.1413	882821.3170250766	39.2981510526196	-101.356653	296810.832462425	432511.39901472	3431.069053799628	3292.57177804836	3261.37937346762	3261.37937346762	25.6847611777164182	15.472791646115328
325	138	16915	-157101.1413	882821.3170250766	39.2981616958362	-101.354342	297058.793359092	432544.78182778	3429.412191951724	3308.897024016155	3267.728652538746	3282.340267617353	23.6253163290926	15.0695653421276
326	138	16916	-156441.1413	882821.3170250766	39.29817326495464	-101.3519931	297182.963508115	4325203.30808269	3425.6191479231	3285.9634686984	3257.532429228268	3258.542512458157	28.452504154004398	21.3828234208275
327	138	16917	-155781.1413	882821.3170250766	39.2981831212992	-101.3496621	297384.0828178963	432524.769631366	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
328	138	16918	-155121.1413	882821.3170250766	39.29819361873666	-101.347331	297585.093755649	432524.769631366	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
329	138	16919	-154461.1413	882821.3170250766	39.29820417931667	-101.3449999	297786.1588822735	432549.173439651	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
330	138	16920	-153801.1413	882821.3170250766	39.29821468469934	-101.3426688	297987.223092791	4325487.12964819	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
331	138	16921	-153141.1413	882821.3170250766	39.29822516540162	-101.3403404	298188.2973771715	4325487.12964819	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
332	138	16922	-152481.1413	882821.3170250766	39.29823730959129	-101.338068	298397.9157190008	432549.173439651	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
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334	138	16924	-151161.1413	882821.3170250766	39.29825636082023	-101.3333466	298791.47983415786	432549.173439651	3423.769564494812	3283.77322663535	3256.242987040464	3263.89671100875	24.41339020420047	16.80024744
335	138	16925	-150501.1413	882821.3170250766	39.298266597239405	-101.3310136	298992.5347064346	432546.91048612	3404.10512667919	3265.6509701543	3248.275457714557	3255.472066090823	17.3896389888334	10.193031510528272
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337	138	16927	-149181.1413	882821.3170250766	39.29828704299721	-101.3263514	299394.6015153535	432546.91048612	3404.10512667919	3265.6509701543	3248.275457714557	3255.472066090823	17.3896389888334	10.193031510528272
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339	138	16929	-147861.1413	882821.3170250766	39.29830730847459	-101.3216933	299796.7960347459	432540.7914785162	3408.275784983148	3266.329549460437	3248.136617535959	3248.136617535959	25.6847611777164182	15.472791646115328
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345	138	16935	-143901.1413	882821.3170250766	39.29836730959129	-101.307682	301048.2973771715	432544.78182778	3404.10512667919	3264.4404967184723	3248.136617535959	3248.136617535959	25.6847611777164182	15.472791646115328
346	138	16936	-143241.1413	882821.3170250766	39.29837620073244	-101.305378	301204.234828571	432544.78182778	3404.10512667919	3264.4404967184723	3248.136617535959	3248.136617535959	25.6847611777164182	15.472791646115328
347	138	16937	-142581.1413	882821.3170250766	39.2983865016879	-101.303047								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
429	131089	-88461.14133		882821.3170250766	39.29903285	-111.118908	317891.67210269405	4352087.679420784	3227.989150770284	305.2183230868891	2980.302723942001	2980.3805042877084	51495604.126889775	54.8378237181258
430	131090	-87801.14133		882821.3170250766	39.29903882065366	-111.099597	318092.1779351397	4352083.650474435	3222.963876704045	303.76999327881526	2978.6522853232227	2978.7315354890326	51.710779555106	55.451633838456
431	131091	-87441.14133		882821.3170250766	39.29904422913303	-111.083919	318293.7635259534	4352085.6288917964	3222.96442785547002	302.74362475658949	2977.038138715027	2976.56756568949	53.117717389891	55.790733905352
432	131092	-86841.14133		882821.3170250766	39.29905057564099	-111.048795	318494.8809	4352075.603913745	3220.436799170005	303.04991728351364	2975.2580369910747	2974.859679516558	55.6917570017125	56.0131006675821
433	131093	-85821.14133		882821.3170250766	39.29906563027094	-111.025664	318695.8541987557	4352071.579174646	3220.4271689779185	302.9575161826907	2973.3300425269476	2973.0158925705544	56.251192901393	56.256968907331
434	131094	-85161.14133		882821.3170250766	39.29906642949415	-111.002352	318896.8992787824	4352067.554587714	3220.421785847202	302.9281220434412	2971.34867104208	2971.34867104208	56.66824500344084	56.8607023736039
435	131095	-84501.14133		882821.3170250766	39.29906805599504	-111.007904	319097.94481618226	4352063.530190752	3220.416029348833	302.677344963462	2969.4145815682146	2969.4145815682146	56.9823739342354	57.4665869188156
436	131096	-83841.14133		882821.3170250766	39.29907393221214	-111.095573	319288.988074821	4352059.505983715	3229.473873475568	302.5525430480643	2967.6544866548424	2967.713688	57.8906728602096	57.8367694948248
437	131097	-83161.14133		882821.3170250766	39.29907969814516	-111.069419	319500.7635259534	4352055.481966223	3228.851202269877	302.42421115330284	2965.7180492437155	2965.783784	58.5246229891358	58.5246229891358
438	131098	-82521.14133		882821.3170250766	39.29908334337941	-111.0509108	319701.0776298034	4352051.458	3228.55060710074	302.42654049893	2963.60303433652	2963.71759782312	59.4737319724684	
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441	131101	-80541.14133		882821.3170250766	39.29910203909358	-111.0839174	320304.209889247	4352039.37979499	3227.686373933204	301.91914812851603	2957.328128384497	2957.328128384497	61.8199934866314	61.8199934866314
442	131102	-79881.14133		882821.3170250766	39.2991070335472	-111.081863	320505.2535758295	4352031.36472696	3227.369585	301.7148568033312	2954.70105828681	2954.70105828681	62.31800654317	61.182472774404
443	131103	-79221.14133		882821.3170250766	39.29911293077741	-111.079552	320676.2970502608	4352031.341848175	3226.3001555640975	301.7148568033312	2951.719996467254	2954.837148539564	64.980290425928	61.862726363526
444	131104	-78561.14133		882821.3170250766	39.29911831317162	-111.076021	320907.3403676617	4352027.311594298	3224.32102208948	301.5504818904267	2948.736651301201	2953.48963393862	66.71767876	62.01797036440635
445	131105	-77901.14133		882821.3170250766	39.29912350537336	-111.074529	321108.4383509922	4352023.29666454	3222.342264476925	301.432963787886	2945.55018496737	2952.942246363346	67.7983907	61.4052374044495
446	131106	-77241.14133		882821.3170250766	39.29912894274596	-111.072518	321309.4267475146	4352019.21473512355	3220.362992498903	301.137916996176	2942.003117513852	2951.6794027888013	71.1706741857652	61.4943891081627
447	131107	-76581.14133		882821.3170250766	39.2991341901833	-111.0699307	321510.4693	4352015.252	3218.2737910179558	301.0337751883217	2938.395127258516	2949.247364032435	73.6864743080082	62.7864291586715
448	131108	-75921.14133		882821.3170250766	39.2991393246355	-111.0675996	321711.518879406	4352011.23020248	3216.074707	301.008636199872	2934.8021490983852	2946.47922660395	76.1048711	64.432135338307
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451	131111	-73941.14133		882821.3170250766	39.29915472913303	-111.060619	322316.6389712247	4351998.618551362	3209.1825387367	300.58482538767	2926.5438433324	2940.6348025324	83.8819711538979	71.1706741857652
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453	131113	-72621.14133		882821.3170250766	39.2991647284366	-111.055944	322716.722367349	4351992.13249038	3206.984717825347	300.405504186689	2932.86889697975	2942.86889697975	90.621403829731584	75.3313692371584
454	131114	-71961.14133		882821.3170250766	39.29916966	-111.0536128	322917.7630345062	4351987.102707875	3205.9707060018	300.44886718958	2935.60312313878	2959.062497704783	95.840573505079965	45.3863941971957
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456	131116	-70641.14133		882821.3170250766	39.29917939677741	-111.0489506	323319.8465744888	4351979.01694095	3205.533945824464	300.393088695063	2930.89025989315	2944.013520591774	110.5028827701912	38.380284104732244
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458	131118	-69321.14133		882821.3170250766	39.2991898390547	-111.044283	323712.1027247	4351971.017232747	3201.89750778992	300.409350503015	2937.017675050095	2942.818631761945	127.32116255189928	62.131255189928
459	131119	-68661.14133		882821.3170250766	39.29919334566374	-111.0419572	323922.9693271001	4351967.01593845	3200.16611963217647	300.450672242565	2937.06156303	2962.29022901634227	133.863378847665	37.2410558482913
460	131120	-68001.14133		882821.3170250766	39.29919837601046	-111.0396261	324124.020966936	4351962.81940408	3200.19348245117	299.8154588617448	2956.754227095329	2966.594540167247	147.7603567641572	41.9200448
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465	131125	-64701.14133		882821.3170250766	39.29922094185784	-111.027974	325128.2099927338	4351942.886517813	3182.618575123963	299.6475251909917	2946.767901579252	2947.918662592025	155.6397602882795	57.0926247843785
466	131126	-64041.14133		882821.3170250766	39.29922533	-111.0256393	325330.2495041501	4351938.696910845	3181.6611963217647	299.8380914713286	2938.822424560108	2943.60850609108	155.54058491517385	58.7812354222059
467	131127	-63381.14133		882821.3170250766	39.2992268035987	-111.0233082	325531.2884853024	4351934.84965776	3179.268058959631	299.8261007348366	2937.771632456933	2936.275143317766	158.8343922141341	56.3349164995016
468	131128	-62721.14133		882821.3170250766	39.2992328067854	-111.0209771	325732.3280160314	4351930.83139155	3177.9471375170715	299.8152657314227	2938.130708995565	2936.754844155272	159.7204783146616	55.0964215761053
469	131129	-62061.14133		882821.3170250766	39.29923823874712	-111.0186459	325933.367165306	4351928.61392156	3176.6262755827	299.8116423040294	2937.112266261663	2935.2944159042633	161.5454130198979	53.454130198979
470	131130	-61401.14133		882821.3170250766	39.29924245	-111.0163148	326134.4058470589	4351922.76883776	3175.3059253249922	299.8039407788474	2936.07199665473	2936.850238814577	162.5142974220474	53.5431682780035
471	131131	-60741.14133		882821.3170250766	39.29924655019634	-111.0140619	326336.428976752	4351918.28396848971	3174.08465817485	299.8039407788474	2936.07199665473	2936.850238814577	163.731717829807	53.731717829807
472	131132	-60081.14133		882821.3170250766	39.29925073381265	-111.011626	326532.4829988467	4351914.79034508	3172.273528	299.8039407788474	2936.07199665473	2936.850238814577	164.7540576825096	52.526359
473	131133	-59421.14133		882821.3170250766	39.29925485117702	-111.0093214	326737.5213205717	4351910.744	3170.6048616119186	299.8039407788474	2936.07199665473	2936.850238814577	165.8439318672904	50.106772141303

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRRElevKgs.ft	BRRElevBothKgs.ft	SurfElevBoth.ft	SatHBoth.ft
55	101935	-5301.141327	882817.3170250766	39.29943586010108	-00.1818162	343222.1068810169	4531581.978421885	3949.4476245026203	2899.347396392953	2847.7845296378837	2852.0378758103693	51.56621000411163	47.30686383	
556	138	-4641.141327	882817.3170250766	39.29943619926162	-00.1815871	343423.1319574935	4531577.977	3015.273389305023	2897.876298049802	2846.7126276529193	2849.9836348057101	51.16396195260092	47.8876547626089	
557	138	-3981.141327	882817.3170250766	39.29943639307682	-00.1816699	343624.1567817926	4531573.978	3012.674532694817	2896.403627121572	2846.780491615344	2848.123131613648	50.830755589103894	48.283115589103894	
558	138	-3138	882817.3170250766	39.2994364249543	-00.1811748	343825.18154111764	4531573.978452983	3018.17378620251	2894.817305036878	2844.1237050306878	2845.7854387890606	50.119005687034	49.14850631047749	
559	138	-2661.141327	882817.3170250766	39.29943668656873	-00.8088436	344026.20597467653	4531565.978301196	3014.721711865276	2893.4624035519873	2842.618191203779	2844.040897621225	50.84421235	49.13374138866479	
560	138	-2040	882817.3170250766	39.299437056112924	-00.8065125	344227.2304367463	4531565.978291616	3013.6967159179158	2891.8888007747004	2841.179811512675	2841.957203	50.0082262025534	50.03159734762939	
561	138	-1941	882817.3170250766	39.2994371962804	-00.8041814	344428.2546613076	4531555.972372385	3012.688309501053	2890.5143057314413	2839.917997270184	2841.162769382702	50.596380461257195	49.3513634867447	
562	138	-1942	882817.3170250766	39.29943728861405	-00.8018502	344629.2786	4531553.972	3011.679503722963	2889.038083080494	2838.619432782324	2839.6194727069158	50.4549370301777034	49.4190560149391	
563	138	-1943	882817.3170250766	39.29943732570894	-00.7996191	344829.326289017	4531549.971819465	3010.692639494817	2887.5611375959852	2837.3146759898952	2838.254645331335	50.24666153666176	49.25156717265192	
564	138	-1944	882817.3170250766	39.299437521498026	-00.7971879	345031.32630811783	4531545.971843714	3012.4774735004207	2886.08117	2836.0842145092065	2837.4048515897516	49.99000041133	48.6703673886265	
565	138	-1945	882817.3170250766	39.29943723597554	-00.7945858	345232.3499223075	4531545.972056746	3013.348685350108	2884.598494172391	2834.745923176686	2835.192326713489	49.8502709595041	49.4062574589203	
566	138	-1946	882817.3170250766	39.2994371426724	-00.7925256	345433.3733862904	4531557.974585396	3014.2198413907954	2883.11771013176	2833.008739551075	2832.519696245574	50.1029714626411	48.8927114781885	
567	138	-1947	882817.3170250766	39.29943698810781	-00.7901945	345634.3967	4531533.973	3014.2613735637373	2881.617310393818	2830.5954666241906	2832.7043934822036	50.10296415127205	48.91293757714222	
568	138	-1948	882817.3170250766	39.29943675691929	-00.7878634	345835.419639491	4531529.973823595	3015.1529347823595	2880.1124239487854	2828.0843923400285	2830.8977404414672	50.02803915568302	49.142889430903	
569	138	-1949	882817.3170250766	39.29943670107168	-00.7855322	346036.4428780979	4531525.974796371	3016.18563617231	2878.5941948525377	2826.35709260015	2828.9584950567867	50.232710225225268	49.6856907576059	
570	138	-1950	882817.3170250766	39.2994361945501	-00.7832011	346237.4657427323	4531521.979583107	3016.97197174689	2877.05925	2822.88348128556	2826.759415646508	51.759811443283495	50.2998339253423	
571	138	-1951	882817.3170250766	39.29943588317922	-00.7809639	346438.484848505845	4531517.977298554	3012.817794142273	2875.503580537056	2819.6486598679047	2824.191385119172	50.84586956915564	51.3121820200798	
572	138	-1952	882817.3170250766	39.29943558187438	-00.7785388	346639.5110240283	4531513.9787002	2998.8378661700028	2872.40249283438	2816.68556862773	2822.150991149755	50.72368342556478	51.7716014769148	
573	138	-1953	882817.3170250766	39.29943557554044	-00.7762077	346840.533416037	4531509.985055653	2995.189398	2872.310626623718	2813.961287595093	2820.290560525828	50.34933906727247	52.02012040653481	
574	138	-1954	882817.3170250766	39.2994346	-00.7738765	347041.555710231065	4531505.982467104	2991.5500102248116	2870.66209	2811.641342374673	2818.205460095167	50.82451341633145	52.45613341633145	
575	138	-1955	882817.3170250766	39.29943406778528	-00.7715454	347242.57338731014	4531501.984567324	2992.4230364488	2868.97075319228	2809.298958751028	2811.7184966205433	50.673867731726205	53.2525871667362	
576	138	-1956	882817.3170250766	39.29943353	-00.7692142	347443.5996022236	4531497.986866216	2988.81301689499	2867.230674495810	2807.234105770015	2812.6829922594549	50.54857536969684	54.15857297468684	
577	138	-1957	882817.3170250766	39.2994329380767	-00.7665783	347645.6216289017	4531485.9824929536	2985.448264979508	2865.429845498917	2806.790791647903	2810.482645498917	50.3791155702924	54.71757042877	
578	138	-1958	882817.3170250766	39.29943226844444	-00.764552	347845.6433190315	4531489.91999979	2983.5821770710771	2863.535055181728	2803.9337158020955	2806.220059	50.64949538212	57.3635043227795	
579	138	-1959	882817.3170250766	39.29943157926014	-00.7622208	348046.664831304	4531485.98458453	2985.704128038181	2861.668471268804	2802.3502048114124	2804.66411855696	50.312664580097	57.0040514411238	
580	138	-1960	882817.3170250766	39.29943083038474	-00.7598897	348247.6862108995	4531478.919798324	2982.6444482712663	2859.687614	2800.836922391324	2803.693195191324	50.8506903406764	55.9933043406763	
581	138	-1961	882817.3170250766	39.299430043821886	-00.7575585	348448.704444045	4531481.901130445	2979.5487409905647	2857.637409905647	2799.389709866024	2802.4980566880562	50.64279993202296	55.139370147617	
582	138	-1962	882817.3170250766	39.29942921226263	-00.7552274	348649.7285305853	4531474.00455118	2976.4530887402293	2855.5148625064	2797.8325969310386	2800.868400874444	50.678190558	54.646461163316734	
583	138	-1963	882817.3170250766	39.29942857930874	-00.7528783	348849.7486494917	4531470.9160536	2974.288175853677	2853.398454819853	2796.54799314888	2797.388629616709715	54.31625797468684	54.31625797468684	
584	138	-1964	882817.3170250766	39.29942741394769	-00.7504724	349047.7702614174	4531466.012	2973.48478095473	2851.4466.012	2795.6508198785297	2797.11571092924	54.265018785297	54.265018785297	
585	138	-1965	882817.3170250766	39.2994264756478	-00.748234	349252.7900990374	4531462.015945035	2964.787820255766	2848.711996	2790.848121358505	2793.45625967427	50.82035202710958	55.2567387553701	
586	138	-1966	882817.3170250766	39.2994253555284	-00.7459028	349453.8114012157	4531458.02	2960.74823619675	2846.294959735528	2787.87238971671275	2792.3452760240317	50.4926256480528	53.9496621151019	
587	138	-1967	882817.3170250766	39.29942347881184	-00.7435717	349654.8317644665	4531454.02483881	2959.014862877125	2843.8040178727424	2785.055005028635	2789.431243965204	50.6940736988786	54.37277390753843	
588	138	-1968	882817.3170250766	39.2994232704119	-00.7412066	349855.850278197	4531450.029	2958.609520278193	2841.2419507372265	2782.4790539624025	2786.5421550117867	50.76289134223994	54.6997935	
589	138	-1969	882817.3170250766	39.29942210522623	-00.7389994	350066.8719252545	4531446.03759007	2956.204971778532	2838.615388804713	2780.87787273047	2783.653418755015	50.5343808744244	54.95984602469836	
590	138	-1970	882817.3170250766	39.2994209384138	-00.7365783	350267.8020351046	4531442.03704295	2955.144230347039	2836.52932147544	2777.573250911227	2780.498410754302	50.438982154263179	54.8982154263179	
591	138	-1971	882817.3170250766	39.299421901556516	-00.7342471	350468.9118625148	4531438.04382225	2951.0599476893153	2833.187517622994	2776.168593436133	2780.789357447893	50.48841420312357	54.88421420312357	
592	138	-1972	882817.3170250766	39.29941841967017	-00.731916	350659.9314523865	4531434.04128786	2950.984717296365	2830.40753579934	2772.7826885207637	2771.67726643487	50.4178580597112	58.7297090451246	
593	138	-1973	882817.3170250766	39.299417092754794	-00.7295849	350860.95083473897	4531430.05462371	2950.90487	2827.593506004315	2770.4238310164956	2762.531792752344	51.169647887819235	50.65181825	
594	138	-1974	882817.3170250766	39.29941572081035	-00.7272537	351061.9702725151	4531426.06	2946.7550426409943	2824.755030158634	2768.137587	2765.270295638402	50.6183434635372	59.48009005483202	
595	138	-1975	882817.3170250766	39.29941433836855	-00.7249828	351262.898699008	4531422.0661792895	2941.77490490383	2821.90324594651	2765.8237700924154	2765.2111121480814	50.67340750043571	56.692130446633760	
596	138	-1976	882817.3170250766	39.299412841834235	-00.7225914	351464.0085150996	4531418.072	2940.743123301347	2819.0440038022445	2764.19568572011	2764.0717667790074	50.48841420312357	54.97224152321678	
597	138	-1977	882817.3170250766	39.2994123480272	-00.7203783	351648.134887897	4531414.00488797	2939.451628404764	2817.93478766662	2763.1882171248295	2763.1882171248295	50.48841420312357	54.97224152321678	
598	138	-1978	882817.3170250766	39.299409771565516	-00.7179292	351866.0641817535	4531410.0480281	2937.6644870192146	2813.7803818135	2762.168593436133	2762.7826885207637	50.48841420312357	54.97224152321678	
599	138	-1979	882817.3170250766	39.29940818565248	-00.715598	352067.0647996275	4531406.091582237	2936.014679595102	2810.504992504263	2762.1174442798408	2762.1540611366245	48.3874572558575	48.350931068801845	
600	138	-1980	882817.3170250766	39.299406543533806	-00.7132669	352268.08324713036	4531402.98166367	2935.04737102332	2807.692311995103	2761.043874147716	2761.043874147716	46.4547845803137	46.4547845803137	
601	138	-1981	882817.3170250766	39.29940456386076	-00.7109357	352468.106504718	4531398.10536929	2934.052394455207	2804.904036177513	2759.547613437257	2759.547613437257	44.356016453377156	44.7387141614844	

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogKrg.f	BRIEVEbothKrg.f	SurfBoth.f	SatBoth.f
681	139	102061	7858.85867307335	882821.3170250766	-39.29912399	-100.5244452	685886.12261253607	4351079.2754161355	2787.4576366158885	2635.03493953272666	2636.9795898582983	48.84870551	46.9392091817405	
682	138	102062	7858.85867307335	882821.3170250766	-39.299118656547016	-100.5221141	686751.1300281517	4351075.2975464445	2780.591727703236	2682.3372027595937	2634.3425722495937	2636.023136023934	47.99481350096196	
683	138	102063	7858.85867307335	882821.3170250766	-39.29911327680194	-100.519793	6880.761382714154	4351071.3481981308	2777.1230431	2690.7614839253483	2633.90237230814	2634.832357230814	46.85801516829978	
684	138	102064	7858.85867307335	882821.3170250766	-39.29910785241016	-100.5174518	69193.1444805154	4351067.3249539454	2777.1230927356012	2697.195138400515	2633.491052917551	2634.1679111698346	45.70405487279826	
685	138	102065	7858.85867307335	882821.3170250766	-39.29910238243743	-100.5151207	69354.155176615	4351063.365497194	2777.1455323780612	2677.6404831548657	2633.248025429767	2633.4793757404515	44.392871725098666	
686	138	102066	7858.85867307335	882821.3170250766	-39.2990968624884	-100.5127896	69555.158420587	4351059.384846966	2777.158130234633	2676.10057094013	2632.668992740421	2632.5845945585	43.1685211394548	
687	138	102067	7858.85867307335	882821.3170250766	-39.299091308625535	-100.5104585	69695.1652149143	4351051.41663989	2774.2446445457827	2674.5760033840286	2631.73751515347	2631.35155526482	42.8388522908158	
688	138	102068	7858.85867307335	882821.3170250766	-39.29908573097377	-100.5081274	69695.171875248	4351055.43209778	2768.404590429878	2673.067240609439	2630.372229665827	2629.913120626587	42.8388522908158	
689	138	102069	7858.85867307335	882821.3170250766	-39.29908050429361	-100.5059785	697158.178410895	4351047.458881354	2763.546984126893	2671.5747217107785	2628.5810745482014	2627.4277590386215	42.8388522908158	
690	138	102070	7858.85867307335	882821.3170250766	-100.5034651	-100.5034651	69735.184212605	4351043.48231586	2757.0492315383274	2670.092315285156	2626.4981035383274	2624.323781	41.801129046819	
691	138	102071	7858.85867307335	882821.3170250766	-39.2990681984804	-100.501134	70560.911068736	4351039.506249495	2747.3077384395483	2668.6414566372214	2624.523083165483	2621.428613564183	41.18373451737625	
692	138	102072	7858.85867307335	882821.3170250766	-39.29906235062665	-100.4988029	70761.1973	4351035.53065031	2734.313572546293	2671.09763762337	2623.31431137391	2619.746286	40.77589011873685	
693	138	102073	7858.85867307335	882821.3170250766	-39.2990575005288915	-100.4964718	70962.2030508717	4351031.555	2731.319406472731	2665.7812884420977	2622.853825	2618.743506499536	42.92746329570764	
694	138	102074	7858.85867307335	882821.3170250766	-39.2990511346679	-100.4941407	71163.1292	4351027.59159044	2708.325404981687	2664.39817627007	2616.082556973615	2614.92994837162	42.29696192964539	
695	138	102075	7858.85867307335	882821.3170250766	-39.29904451061633	-100.491809	71364.21500674748	4351023.60373491	2704.37078271371	2662.9881841243487	2616.3448308545055	2610.9134759293367	42.29696192964539	
696	138	102076	7858.85867307335	882821.3170250766	-39.299039245737504	-100.4894784	71565.2206719243	4351019.62870353	2700.4560331513385	2661.639045456847	2615.654192746075	2606.40717103466	41.9830211820771	
697	138	102077	7858.85867307335	882821.3170250766	-39.2990323583036	-100.4871473	71766.2262136066	4351015.6737222	2698.54125835073	2660.3042154312557	2602.954677611677	2602.954677611677	41.9830211820771	
698	138	102078	7858.85867307335	882821.3170250766	-39.29902719089489	-100.4848162	71967.231631973	4351011.67899448	2696.6254032373	2659.89273950122	2598.191963267844	2598.191963267844	41.9830211820771	
699	138	102079	7858.85867307335	882821.3170250766	-39.29902108	-100.4824851	72168.2368273021	4351007.704427342	2695.36390287313	2657.705725076336	2594.992716519791	2596.247277697534	41.9830211820771	
700	138	102080	7858.85867307335	882821.3170250766	-39.2990143593904	-100.480154	72369.2421	4351003.73	2701.15089379427	2656.42459907348	2592.103146685858	2593.286125066129	41.9830211820771	
701	138	102081	7858.85867307335	882821.3170250766	-39.2990074591868	-100.4778229	72570.2471494734	4350999.75887478	2703.136959471564	2655.20308748623	2589.748044066501	2590.5930483126284	41.9830211820771	
702	138	102082	7858.85867307335	882821.3170250766	-39.29900251087003	-100.4754917	72717.25207674963	4350995.7933484	2705.12645953504	2653.96733506972	2587.32909648552	2587.32909648552	41.9830211820771	
703	138	102083	7858.85867307335	882821.3170250766	-39.2989950279331	-100.473168	72942.25681778	4350991.846851	2706.127161582014	2652.9870390081	2586.7235910081	2586.7235910081	41.9830211820771	
704	138	102084	7858.85867307335	882821.3170250766	-39.2989905856787	-100.470825	73173.21654705	4350987.83485127	2699.075805102535	2651.6244933974873	2583.20406965178	2583.20406965178	41.9830211820771	
705	138	102085	7858.85867307335	882821.3170250766	-39.2989833555456	-100.4684884	73374.261257967	4350983.861	2694.37921930404	2650.474733338592	2581.426327771794	2581.426327771794	41.9830211820771	
706	138	102086	7858.85867307335	882821.3170250766	-39.29897712039295	-100.4661673	73575.270655235	4350979.81601028	2689.682740546724	2649.341807113291	2579.93201222609	2601.366914629	41.9830211820771	
707	138	102087	7858.85867307335	882821.3170250766	-39.298971089489	-100.4638362	73776.2748832258	4350975.9610278	2685.786271059193	2648.21504471528	2578.755224849279	2578.755224849279	41.9830211820771	
708	138	102088	7858.85867307335	882821.3170250766	-39.29896415498508	-100.461501	73977.27979748	4350971.94172702	2682.6897403118	2647.0544014379743	2578.08841983304	2578.232327380407	41.9830211820771	
709	138	102089	7858.85867307335	882821.3170250766	-39.29895976047388	-100.459174	74178.2631558852	4350967.96981261	2678.59321	2645.78899701785	2576.13804407034	2576.13804407034	41.9830211820771	
710	138	102090	7858.85867307335	882821.3170250766	-39.29895410044544	-100.4568428	74379.2877	4350963.9522993	2678.496069770317	2644.19297597458	2574.65851987458	2574.65851987458	41.9830211820771	
711	138	102091	7858.85867307335	882821.3170250766	-39.29894436916187	-100.4545117	74580.29044811224	4350960.02420024	2678.30213777448	2642.599033836426	2577.85279096491	2578.148420875164	41.9830211820771	
712	138	102092	7858.85867307335	882821.3170250766	-39.2989376838115	-100.4521806	74741.2946588737	4350956.02068885	2671.572772766648	2641.03258848803	2577.507179325757	2577.8977875044	41.9830211820771	
713	138	102093	7858.85867307335	882821.3170250766	-39.29893095347228	-100.4498495	74982.29852524634	4350952.080123027	2669.324341855243	2639.4912040010835	2576.965846778245	2577.558600177786	41.9830211820771	
714	138	102094	7858.85867307335	882821.3170250766	-39.29892417808529	-100.4475184	75183.10317254014	4350948.10836422	2667.071915614387	2637.850540565935	2571.27425354613	2571.3380835551	41.9830211820771	
715	138	102095	7858.85867307335	882821.3170250766	-39.29891735767017	-100.4451873	75384.3500795248	4350944.137	2664.887	2636.29862477	2569.53004802004	2569.49531339414	41.9830211820771	
716	138	102096	7858.85867307335	882821.3170250766	-39.2989104222254	-100.442858	75595.36853084	4350940.155	2662.7078891736	2634.7625505713	2567.6234571708142	2567.6234571708142	41.9830211820771	
717	138	102097	7858.85867307335	882821.3170250766	-39.2989058175221	-100.4405251	75786.3115285064	4350936.194212058	2660.548890463503	2632.503635820176	2567.304618401095	2567.304618401095	41.9830211820771	
718	138	102098	7858.85867307335	882821.3170250766	-39.2989006252581	-100.438194	75987.31452405254	4350932.22303272	2658.384727368937	2631.5718202397955	2567.12843931657	2567.12843931657	41.9830211820771	
719	138	102099	7858.85867307335	882821.3170250766	-39.29889585272538	-100.4358629	76188.3174006881	4350928.25328099	2656.261006572487	2630.27090425059	2566.87389461076	2566.87389461076	41.9830211820771	
720	138	102100	7858.85867307335	882821.3170250766	-39.29888258169874	-100.4335318	76389.30215850185	4350924.282	2656.24328055341	2628.80779770697	2565.451737349895	2565.988025194344	41.9830211820771	
721	138	102101	7858.85867307335	882821.3170250766	-39.29887549595632	-100.4312007	76590.3297773476	4350920.31017278	2655.931158245935	2626.37166897518	2564.97835052346	2564.97835052346	41.9830211820771	
722	138	102102	7858.85867307335	882821.3170250766	-39.2988683539777	-100.428986	76761.3521859213	4350916.341	2654.87187031163	2625.302419512952	2564.93321326853	2564.93321326853	41.9830211820771	
723	138	102103	7858.85867307335	882821.3170250766	-39.2988629102678	-100.426718	76969.38697184658	4350912.70719	2653.78909181263	2624.782035981927	2564.782035981927	2564.782035981927	41.9830211820771	
724	138	102104	7858.85867307335	882821.3170250766	-39.2988534767671	-100.4242074	77183.3300509308	4350908.40106801	2701.8518530119617	2623.125711394764	2559.31958476214	2559.31958476214	41.9830211820771	
725	138	102105	7858.85867307335	882821.3170250766	-39.29884667697206	-100.421862	77394.3321725952	4350904.43138947	2712.875648062587	2622.747564806258	2560.628146310783	2561.867953892366	41.9830211820771	
726	138	102106	7858.85867307335	882821.3170250766	-39.298839124854	-100.4195451	77595.3342	4350900.416791795	2714.937062	2620.387589122928	2564.4361050156185	2564.4361050156185	41.9830211820771	
727	138	102107	7858.85867307335	882821.3170250766	-39.29882300497086	-100.417214	77796.33815415185	4350896.49257451	2709.96975097957	2619.043712498376	2566.51448956603	2568.19455821998	41.9830211820771	
728	138	102108	7858.85867307335	882821.3170250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SurfElevHt.	SatThBothHt.
67	19	102187	-327381.1413	883477.3170250766	39.29671047224151	-01.95573953	445103.8664820421	4353758.683281179	3884.8315274555353	3675.6894666251885	3619.091814660234	3616.423252492085	56.97765199194535	59.26621410610357
68	19	102188	-326721.1413	883477.3170250766	39.29673276443324	-01.9534044	2453.30439895893323	4353754.584645197	3883.142136043842	3673.728432956309	3617.0987353531173	3616.474835852566	59.6286924921196	59.0536983378262
69	19	102189	-326061.1413	883477.3170250766	39.2967556160387	-01.9512672	245656.1132443379	4353750.493091897	3881.452746631435	3671.76375398608	3617.774890130814	3616.363965692656	59.6882599138274	59.0536983378262
70	19	102190	-325401.1413	883477.3170250766	39.29677773735488	-01.9487427	245707.7324272572	4353746.393051572	3879.763521904985	3669.79252604985	3612.62342133881	3617.77176775094	57.16818301000425	52.0707592739091
71	19	102191	-324741.1413	883477.3170250766	39.29679945088637	-01.9464119	245808.3589983016	4353742.500309322	3877.887468162233	3667.812034793338	3609.7702173686234	3616.009651	58.04187142471915	51.80238404149855
72	19	102192	-324081.1413	883477.3170250766	39.2967815299797	-01.944081	246109.4819767317	4353741.21029037	3875.61919022195	3665.818714102749	3608.341692303936	3612.181501832878	57.47707175875523	53.63721226867018
73	19	102193	-323421.1413	883477.3170250766	39.29684367008965	-01.9417502	246301.6037455783	4353734.711058911	3873.774212027678	3663.801154003452	3606.5791083873482	3613.00595632256	57.2310071	50.8041876808911
74	19	102194	-322761.1413	883477.3170250766	39.2968571	-01.9394193	246811.725842197	4353730.47345749	3868.91643320406	3661.78435273603	3604.6436661208293	3611.705735230363	56.9206624977355	50.0785991396974
75	19	102195	-322101.1413	883477.3170250766	39.2968776922387	-01.9370885	246712.8478778827	4353725.928986868	3867.978706494737	3659.89865956242	3603.808859172893	3608.341692303936	56.9882599138274	51.80238404149855
76	19	102196	-321441.1413	883477.3170250766	39.2969051255564	-01.9347576	246913.9690325765	4353721.83694998	3866.436363468905	3657.675333146138	3601.7522075171883	3604.842936038774	55.923125262495	52.83232954
77	19	102197	-320781.1413	883477.3170250766	39.29693156826707	-01.9324288	247115.0300326214	4353717.433993083	3865.735108287277	3655.598463142004	3599.821507706972	3603.841692303936	56.7680755172332	49.83027545040294
78	19	102198	-320121.1413	883477.3170250766	39.29693342005845	-01.9300059	247316.21132027585	4353713.650858361	3865.034135107695	3653.4827482414285	3598.450507207093	3601.1992152130674	55.03224104333584	43.2853203286103
79	19	102199	-319461.1413	883477.3170250766	39.29697524722963	-01.927765	247517.3202636632	4353709.57969632	3651.3558540296425	3597.405919314901	3585.0145200630263	3601.45200630263	54.36453336364392	36.45337466364392
80	19	102200	-318801.1413	883477.3170250766	39.29699701918058	-01.9254342	247718.452557006	4353705.46446613	3861.510301149503	3649.2131507659705	3595.8967749873054	3597.45494997405	53.1637577777019	29.9379172633516
81	19	102201	-318141.1413	883477.3170250766	39.29691874611129	-01.9231033	247919.5728006592	4353701.73116299	3858.3947357146508	3647.069980113033	3594.132910686574	3623.164303067305	52.90594974572832	23.90594974572832
82	19	102202	-317481.1413	883477.3170250766	39.29694042020169	-01.9207724	248120.8927460862	4353697.281	3857.279171916363	3644.077113200517	3590.853609512742	3623.49842146331	51.123036871745	21.478900544220809
83	19	102203	-316821.1413	883477.3170250766	39.29696206491174	-01.918416	248321.81253914896	4353683.189033748	3854.7473875165978	3642.56620964352	3588.680436276296	3613.944790339954	57.2785723622249	20.1158123065957
84	19	102204	-316161.1413	883477.3170250766	39.29693635678143	-01.9161107	248522.9320434183	4353689.097281503	3851.7993831466984	3640.560174237589	3579.97923471109	3607.97655048126	57.1524814333247	19.1524814333247
85	19	102205	-315501.1413	883477.3170250766	39.29610523630646	-01.9137798	248724.5012808132	4353685.00571926	3848.85137877417	3638.930202903207	3574.49549333588	3597.919486784	64.43756006	45.5382802035981
86	19	102206	-314841.1413	883477.3170250766	39.2961267055491	-01.911449	248925.170273456	4353680.913455019	3845.304744037356	3636.898740873918	3568.90910901137	3583.16541	67.9863207872181	53.7333080249413
87	19	102207	-314181.1413	883477.3170250766	39.29614816226767	-01.9091181	249126.28902729013	4353676.82180774	3842.8345882858636	3634.846103130974	3563.8995105725425	3573.8990914995716	59.928405045489	60.94260191352578
88	19	102208	-313521.1413	883477.3170250766	39.29616954055384	-01.9067872	249327.4057278487	4353673.72199184	3839.6596322265806	3632.775918	3559.828105662525	3571.34140694022	70.947703631461	61.4345173891806
89	19	102209	-312861.1413	883477.3170250766	39.29619161999951	-01.9044657	249526.330942185	4353674.10812328	3838.6298693969391	3631.789652982158	3558.6886974597923	3568.90910901137	62.5359223	62.5359223
90	19	102210	-312201.1413	883477.3170250766	39.29621226256898	-01.9021255	249729.6437846306	4353664.50813395	3837.299789931814	3628.590191921738	3554.631400101529	3564.309645191814	73.82605059045633	44.2922740255717
91	19	102211	-311541.1413	883477.3170250766	39.2962333929479	-01.8997946	249930.76154126457	4353661.40410263	3829.284736435753	3626.479601385273	3552.65186465014	3580.293189873483	73.82605059045633	44.2922740255717
92	19	102212	-310881.1413	883477.3170250766	39.29625477099988	-01.8974637	250131.8790533512	4353662.30199218	3824.340286921707	3624.3612605690426	3550.797937143123	3573.8670162401077	73.5633218541279	50.4942432891692
93	19	102213	-310221.1413	883477.3170250766	39.29627596768422	-01.8951328	250332.96931204765	4353663.28018792	3819.5710976966	3622.387587809553	3549.0848957637572	3566.020412229168	73.5633218541279	50.4942432891692
94	19	102214	-309561.1413	883477.3170250766	39.2962709934777	-01.8928019	250534.113326072	4353648.19054193	3814.7239221736327	3620.1160184905075	3547.470400185452	3555.18943034481	72.8475816305545	46.9268345600249
95	19	102215	-308901.1413	883477.3170250766	39.29631816999951	-01.8904671	250735.330942185	4353645.17891167	3809.6298693969391	3617.879667802424	3546.673861326834	3548.125426381407	72.7187854	46.9268345600249
96	19	102216	-308241.1413	883477.3170250766	39.29634021411	-01.8881402	250936.156150747	4353640.1012813	3804.889513074634	3615.70204944628	3545.950251494474	3547.1545849759394	72.7187854	46.9268345600249
97	19	102217	-307581.1413	883477.3170250766	39.296363054213276	-01.8858093	251137.462898418	4353635.92203317	3799.950381004045	3613.785120965227	3542.920337060723	3536.921251817073	70.8588171601804	46.9268345600249
98	19	102218	-306921.1413	883477.3170250766	39.29638121579327	-01.8834784	251338.789174208	4353631.82377715	3791.70997168717	3611.70997168717	3541.18373961515	3536.60282702232	71.068149021226	46.9268345600249
99	19	102219	-306261.1413	883477.3170250766	39.2964021323524	-01.8811475	251539.694969256	4353627.74114859	3789.06348059173	3609.60143191639	3539.226236185455	3547.303657309328	72.2018722538392	46.9268345600249
100	19	102220	-305601.1413	883477.3170250766	39.296423003890204	-01.8788166	251740.810235248	4353623.65444575	3783.099342429706	3607.64226896438	3537.2209545483435	3538.651808104903	70.421303120758	46.9268345600249
101	19	102221	-304941.1413	883477.3170250766	39.29644383040708	-01.8764857	251941.8252548714	4353619.68966853	3776.754586498534	3605.58660498593	3535.116330369216	3540.425334988381	70.421303120758	46.9268345600249
102	19	102222	-304281.1413	883477.3170250766	39.296464819028	-01.8741549	252143.040702155	4353615.47891167	3774.3763870834	3603.710195	3532.27430240905	3541.174572407206	70.421303120758	46.9268345600249
103	19	102223	-303621.1413	883477.3170250766	39.29648538377466	-01.8718239	252344.8269363844	4353611.39689075	3769.118055873628	3601.7846320691	3531.33345692984	3539.736781097604	70.421303120758	46.9268345600249
104	19	102224	-302961.1413	883477.3170250766	39.2965030393091	-01.8694931	252545.269923928	4353607.30289005	3772.791317605276	3599.4048264573	3529.301502190568	3536.70105820499	70.421303120758	46.9268345600249
105	19	102225	-302301.1413	883477.3170250766	39.2965266626312	-01.8671622	252746.3823339318	4353603.21486149	3768.0401560813428	3598.0401560813428	3527.353993	3533.150066	70.421303120758	46.9268345600249
106	19	102226	-301641.1413	883477.3170250766	39.29654728764024	-01.8648313	252947.49829813576	4353599.127	3760.1378410782377	3596.199080301026	3525.920287023535	3528.857934389696	70.421303120758	46.9268345600249
107	19	102227	-300981.1413	883477.3170250766	39.296568764046365	-01.8625004	253148.6118139394	4353593.65444575	3753.069342429706	3607.64226896438	3537.2209545483435	3538.651808104903	70.421303120758	46.9268345600249
108	19	102228	-300321.1413	883477.3170250766	39.29658835541932	-01.860169	253348.7256437505	4353590.35014004	3751.090547191452	3592.57843511232	3532.702567392393	3522.2775170104049	70.421303120758	46.9268345600249
109	19	102229	-299661.1413	883477.3170250766	39.29660730480887	-01.857831	253548.7256437505	4353586.1968143	3749.118055873628	3601.7846320691	3531.33345692984	3539.736781097604	70.421303120758	46.9268345600249
110	19	102230	-299001.1413	883477.3170250766	39.29662943140285	-01.8555077	253751.9521142347	4353582.79331582	3743.0819577184	3600.301400101529	3530.736781097604	3531.33345692984	70.421303120758	46.9268345600249
111	19	102231	-298341.1413	883477.3170250766	39.29664961940829	-01.8531768	253963.0649587035	4353578.692771145	3740.768					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevBotKgr.f	SatfHtKgr.f	SatfHtBot.f
190	19	102313	-242221.1413	88347.3170250766	39.2816726479192	-01.6620384	27044.5087260727	43233244.24985479	3759.83262	3389.671427144037	3389.673191925105	3389.794272920056	73.4748679512645	73.353903240132
194	190	102314	-243561.1413	88347.3170250766	39.28163930418772	-01.6599704	27044.601185552	4323240.17925491	3657.27597699953	3461.519634289306	3387.774390214807	3387.95161935024	73.44532507	73.5680723248187
196	190	102315	-242901.1413	88347.3170250766	39.28200479650089	-01.6575764	27045.698144702	4323263.10886196	3655.0337	3460.931807612462	3388.173546613632	74.233042263902	73.900864	73.900864
198	190	102316	-242421.1413	88347.3170250766	39.2821704709602	-01.6565054	27046.7881123129	4323260.97829739	3653.01478033438	3458.911578033438	3387.470447637982	3387.821778135795	74.013039636613	75.0843908269689
197	190	102317	-241581.1413	88347.3170250766	39.2823352228474	-01.6527144	271247.8807693325	4323227.969	3651.026145520642	3458.034996668314	3380.263742676338	3380.4389966831	77.7397572904289	77.5676036031466
198	190	102318	-240921.1413	88347.3170250766	39.2825001512642	-01.6503834	271448.973017525	4323233.988772451	3649.032152045333	3457.29885097079	3375.9328964567867	3375.781343171725	81.5115077990033	81.5115077990033
200	190	102319	-240261.1413	88347.3170250766	39.28260542579983	-01.6480524	271650.0654079786	4323201.932131607	3646.85623243734	3456.70716369384	3371.37222081743	3370.691933	86.016728906837	86.016728906837
200	190	102320	-239601.1413	88347.3170250766	39.2826279504885	-01.6457214	271851.1574	4323215.79898219	3646.198591488587	3372.936112686307	3371.9917039880033	83.2624788	84.206875	84.206875
201	190	102321	-238841.1413	88347.3170250766	39.28269912	-01.6433964	27262.249144702	4323263.10886196	3642.10873766689	3454.106718697654	3373.100772141816	81.49071436174472	82.63876812691	82.63876812691
202	190	102322	-238281.1413	88347.3170250766	39.2831358480554	-01.6416594	27253.3407510626	4323207.621358162	3645.0688056848	3471.98557273335	3371.48104591317	81.51152351262	82.8236413771109	82.8236413771109
203	190	102323	-237621.1413	88347.3170250766	39.2833163265548	-01.6387283	272454.432081011	4323205.45624703	3638.56676180059	3454.88425724082	3375.3213527879524	3372.599389978586	79.6806974485566	82.9483726249633
204	190	102324	-236961.1413	88347.3170250766	39.2834378	-01.6363973	272655.521623472	4323199.848	3632.6110112415	3454.500478387914	3375.162310797096	79.33816804269554	82.4739261474087	82.4739261474087
205	190	102325	-236301.1413	88347.3170250766	39.28363369593118	-01.6340663	272856.61409131965	4323185.415313256	3628.651448786705	3454.1206263786235	3374.7849159090224	3371.1471825446343	82.97875113398914	82.97875113398914
206	190	102326	-235641.1413	88347.3170250766	39.2839060503189	-01.6317353	273057.7046521363	4323191.947102552	3624.692863826755	3453.752442696952	3373.879090446544	3370.78734630546	82.9783392529778	82.9783392529778
207	190	102327	-234981.1413	88347.3170250766	39.28396319107187	-01.6293403	273258.79906100167	4323187.279	3621.91744668812	3453.396313414122	3372.76724401764	3370.625890352685	83.16057288	83.16057288
208	190	102328	-234321.1413	88347.3170250766	39.2841128158986	-01.6270733	273459.882641195	4323183.210944622	3622.310330013808	3453.038978883763	3371.956254035277	3370.375084373899	81.0827244858515	82.6639845098436
209	190	102329	-233661.1413	88347.3170250766	39.2842680218527	-01.6247423	273660.9752076985	4323179.143272057	3622.041516938495	3452.88133300348	3371.264912574916	3369.5825901190843	81.8164204285721	83.09842981264501
210	190	102330	-233001.1413	88347.3170250766	39.28444011186675	-01.6224112	273862.0645403967	4323172.70370516	3622.296302104137	3370.5285111022563	3369.379294571663	81.7611911	82.916753278436	82.916753278436
211	190	102331	-232341.1413	88347.3170250766	39.284589851363	-01.6200802	274063.15446104655	4323171.08402183	3620.53436774051	3451.7990342811863	3369.858182	3368.208122320001	81.8408517596638	83.59901105118523
212	190	102332	-231681.1413	88347.3170250766	39.28475714114171	-01.6177492	274264.24375233136	4323166.941254907	3618.341171775633	3451.031389659403	3369.5585727122307	3366.471482513004	81.4726262570963	84.5991694146387
213	190	102333	-231021.1413	88347.3170250766	39.28491480441315	-01.6154182	274465.332262995	4323164.47299392	3616.143998938147	3450.074885714263	3369.39577921196	3366.088017972654	81.470396232036	83.8924165997157
214	190	102334	-230361.1413	88347.3170250766	39.2850722694289	-01.6130871	274686.4217	4323158.80735529	3613.946279172487	3449.055911452134	3368.275041080136	3365.985527073863	79.78087037201703	83.06635874474706
215	190	102335	-229701.1413	88347.3170250766	39.28522839291945	-01.6106941	274867.6342902444	4323154.6838315	3608.16986374349	3442.1321709170816	3368.156983831353	3366.936989712435	79.75756968176727	83.06635874474706
216	190	102336	-229041.1413	88347.3170250766	39.2853857957094	-01.6084251	275056.59869681986	4323150.56453394	3608.996291546954	3447.015630324283	3368.514197492562	3366.882487127267	75.5014327472251	80.1313401701665
217	190	102337	-228381.1413	88347.3170250766	39.2855143193737	-01.6060941	275269.88867745585	4323146.68383154	3608.09538944725	3446.08012746077	3369.644015432185	3369.53345882207	75.6043112024613	81.75464378638699
218	190	102338	-227761.1413	88347.3170250766	39.2856942239667	-01.603763	275470.7748363974	4323142.54297972	3606.19476834217	3445.01233406519	3369.234556	3372.16448851406	75.1777023493976	80.8507457897875
219	190	102339	-227101.1413	88347.3170250766	39.2858525607482	-01.601432	275671.8626	4323138.462982974	3603.89349410392	3444.0531574508254	3368.880260473276	3372.026890119153	75.1551131437408	72.00871243891015
220	190	102340	-226401.1413	88347.3170250766	39.2860072482578	-01.599101	275872.950002088	4323134.40597748	3600.999212418657	3443.074701324664	3368.439382331384	3369.793033135344	73.6743609147609	73.12816818932004
221	190	102341	-225741.1413	88347.3170250766	39.28616148851578	-01.596877	27607.63738811226	4323130.4155577865	3598.756737401405	3438.021490178734	3368.366987331353	3368.366987331353	73.75756968176727	73.75756968176727
222	190	102342	-225081.1413	88347.3170250766	39.28631572725502	-01.5944389	276275.1245495704	4323126.454963815	3597.339465068333	3441.207925	3368.113394212596	3367.40442312627	73.0044034126372	73.75756968176727
223	190	102343	-224421.1413	88347.3170250766	39.28648600672335	-01.5921079	276476.21131288196	4323115.21594842	3593.216785534629	3440.3031360612363	3367.7438547303364	3368.152666	72.5520913069992	72.1504720259635
224	190	102344	-223761.1413	88347.3170250766	39.28666214957731	-01.5897769	276677.297459685	4323118.154028455	3591.80251457737	3394.81385876568	3367.30779394	3367.888728373604	72.1109416588576	72.1590804024037
225	190	102345	-223101.1413	88347.3170250766	39.28687733201916	-01.5874458	276878.3843880153	4323110.08577891	3590.388397420045	3438.55016275426	3366.774925471956	3367.5903909515097	71.778090034015	70.9629236303293
226	190	102346	-222441.1413	88347.3170250766	39.2869829180125	-01.5851148	277079.405515801	4323101.32134609	3588.97433033954	3437.7057224071377	3366.124501212271	3367.107069689616	70.959654382713	70.959654382713
227	190	102347	-221781.1413	88347.3170250766	39.2870775	-01.582738	277280.556255123	4323105.367528918	3587.73650757055	3436.85078779402	3365.3074599861674	3367.187637684841	70.959654382713	70.959654382713
228	190	102348	-221121.1413	88347.3170250766	39.28722839291945	-01.5804527	277481.6247730374	4323101.89318	3586.756737401405	3436.021490178734	3366.366987331353	3366.366987331353	71.7176285776727	71.7176285776727
229	190	102349	-220461.1413	88347.3170250766	39.28739717144678	-01.5781217	277682.7278116582	4323097.82908465	3585.260247755875	3435.260247755875	3362.9383738184938	3362.9383738184938	71.52068195007074	71.52068195007074
230	190	102350	-219801.1413	88347.3170250766	39.2875235934437	-01.5757906	277883.81312628184	4323093.76378962	3584.473371706337	3434.47337189756	3361.175714092213	3361.175714092213	70.959654382713	70.959654382713
231	190	102351	-219141.1413	88347.3170250766	39.28767690941649	-01.5734596	278084.89221801	4323089.702	3582.793827	3433.70138886287	3359.659928363483	3357.429416757435	70.4140649916244	76.2719710359725
232	190	102352	-218481.1413	88347.3170250766	39.2878238786306	-01.5711286	278285.983098558	4323085.63869437	3579.9052793115	3432.400640616204	3357.935717229648	3356.91071421789	70.0489643	76.8489043473115
233	190	102353	-217821.1413	88347.3170250766	39.28797712728411	-01.5687795	278487.06756781884	4323081.54574599	3577.0112879193103	3432.195392317032	3356.91071421789	3356.91071421789	70.0489643	76.8489043473115
234	190	102354	-217161.1413	88347.3170250766	39.2881259679578	-01.5664665	278688.15219557123	4323075.512517388	3574.120018277022	3431.46309545388	3354.316765241708	3353.523297047816	71.7176285776727	71.7176285776727
235	190	102355	-216501.1413	88347.3170250766	39.2882964591897	-01.5641804	278890.6717859025	4323069.4787784	3572.449177784	3430.649177784	3352.649177784	3352.649177784	71.7176285776727	71.7176285776727
236	190	102356	-215841.1413	88347.3170250766	39.2884211033932	-01.5618044	279090.320416337	4323069.38721393	3568.87419312959	3430.02779161028	3351.415407192764	3351.415407192764	71.7176285776727	71.7176285776727
237	190	102357	-215181.1413	88347.3170250766	39.2885680471217	-01.5594733	279291.4020471786	4323065.342672327	3563.006389861767	3429.317272228426	3350.916340379816	3354.752182	71.7176285776727	71.7176285

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SatHtSgLogKrg.ft	SatHtBoth.ft
319	39	10438	-161061.1413	88347.3170250766	39.2999095201391	-101.3683247	2957.79.5532379339	4352732.863	3428.197764009884	3301.581404537872	3269.035070274585	3281.9453568862527	32.54833426041346	19.6358671619265
320	39	10440	-160401.1413	88347.3170250766	39.29992021811313	-101.3693336	29580.6196620748	43527.78.4249109	3429.896251319204	3299.495151368348	3266.590604038967	3280.2013672734642	32.5043988452113	19.29376664052614
321	39	10441	-159781.1413	88347.3170250766	39.29993118918406	-101.3696264	29618.165895865305	43527.24.77	3431.601356471153	3297.381356471153	3264.370023021744	3278.7010302717152	33.0113316330440	19.6171584740005
322	39	10442	-159081.1413	88347.3170250766	39.2999401522841	-101.3613313	29632.751908925	43527.24.78140128	3430.243987315924	3295.2439812226658	3262.4539812403818	32.7965909268844	32.7965909268844	17.889582587177
323	39	10443	-158421.1413	88347.3170250766	39.29995284624334	-101.3590002	296583.8177320196	43527.61.68193994	3432.8049671165570	3293.07482110038	3260.7373595139675	3275.83832542475	32.1250225968702	17.249149568510347
324	39	10444	-157761.1413	88347.3170250766	39.29996363223266	-101.3566691	296764.88335117095	43527.61.63247748	3430.1049724716870	3290.9145708727711	3259.5498902228115	3274.70674428275	31.3646874898952	16.2078243863062
325	39	10445	-157101.1413	88347.3170250766	39.299973437	-101.354338	296985.848775833	43527.60.886951897	3427.404968381001	3288.7259605329423	3258.3916962033059	3274.668597482472	30.3342632360559	15.06110784217615
326	39	10446	-156441.1413	88347.3170250766	39.2999850912573	-101.3520069	297187.014002623	43527.50.541671216	3424.35849193616	3287.459291908362	3247.4705849734014	3272.6988707372245	30.4502406834960493	13.824121143117328
327	39	10447	-155781.1413	88347.3170250766	39.29999720030545	-101.3496757	297388.070720162	43527.50.6947434	3425.5119237803847	3286.459291908362	3246.459291908362	3271.8815489661157	27.8815489661157	20.6515897
328	39	10448	-155121.1413	88347.3170250766	39.3000032590749	-101.3473446	297589.1439	43526.59.45152047	3420.827954502247	3282.07989526556	3256.163522076543	3262.79355890922	25.915714500121263	19.2953094051784
329	39	10449	-154461.1413	88347.3170250766	39.30001688675656	-101.3450135	297790.2084785951	43526.60.4683548	3418.146319214235	3279.83841221313	3255.7089324307076	3262.344085045524	24.1300087860522	17.484603075286427
330	39	10450	-153801.1413	88347.3170250766	39.30002740527774	-101.3426824	297991.2729067583	43526.68.362187417	3417.462879304162	3277.5882990238606	3255.274105080080	3264.8478573730757	22.21471916002835	15.7404148513091047
331	39	10451	-153141.1413	88347.3170250766	39.300033787	-101.3403513	298192.3273395877	43526.84.7805151	3414.7564031414886	3275.3265107337394	3254.693931852126	3261.280176037394	20.62711825126007	14.04643732941109
332	39	10452	-152481.1413	88347.3170250766	39.30004829914151	-101.3380201	298393.401266989	43526.80.27361578	3411.026903	3273.031818448053	3253.84125506133	3254.81326533011	19.213633716996	12.50881659453347
333	39	10453	-151821.1413	88347.3170250766	39.30005897897888	-101.335689	298594.4869498841	43526.76.23	3407.249730506631	3270.768520395275	3252.64338329989	3259.4720583032418	18.12136380172222	11.296214200913276
334	39	10454	-151161.1413	88347.3170250766	39.30006915582633	-101.3333579	298795.528734885	43526.72.1850905	3403.567290389203	3268.472761147854	3251.220520544692	3257.60425054923	17.2522457003327	10.912535468862189
335	39	10455	-150501.1413	88347.3170250766	39.30007931	-101.3310268	298986.59271220184	43526.68.142192669	3402.76869875692	3266.167004640945	3248.2123817191964	3256.159001723885	16.6645292689802	9.102463292290016
336	39	10456	-149841.1413	88347.3170250766	39.3000895192299	-101.3289656	299197.6554120361	43526.60.0976647	3402.2176993966647	3263.851178920443	3246.7502961275604	3257.729494301965	17.100841764383903	10.1610050058738
337	39	10457	-149181.1413	88347.3170250766	39.3000995254832	-101.3263645	299398.7184545492	43526.60.5531447	3402.560729746507	3261.526234750429	3244.53818264845	3252.17282419401	16.988052101974063	9.5336231028165
338	39	10458	-148521.1413	88347.3170250766	39.3001090814562	-101.3240334	299599.7813007399	43526.56.0124876	3402.902761469157	3259.193207772626	3242.2446594102023	3250.27881138172	16.244846672419525	8.91334345405673
339	39	10459	-147861.1413	88347.3170250766	39.30012001871484	-101.3210723	299800.8349487011	43526.51.999834908	3400.49691920799	3256.85103813984	3240.453988745686	3248.9334736272217	16.39806264	7.89841074
340	39	10460	-147201.1413	88347.3170250766	39.30013004255997	-101.3193711	30001.9046006511	43526.4475697049	3400.49691920799	3256.85103813984	3240.453988745686	3248.9334736272217	16.39806264	7.89841074
341	39	10461	-146541.1413	88347.3170250766	39.300140076884	-101.3172627	30021.9692255774	43526.383673309	3397.8584984982623	3237.76143821934	3239.468693374387	3239.468693374387	16.39806264	7.89841074
342	39	10462	-145881.1413	88347.3170250766	39.3001500025388	-101.3147098	30040.90370154185	43526.383673309	3397.8584984982623	3237.76143821934	3239.468693374387	3239.468693374387	16.39806264	7.89841074
343	39	10463	-145221.1413	88347.3170250766	39.30016001701061	-101.3123778	30060.09257862624	43526.383673309	3397.8584984982623	3237.76143821934	3239.468693374387	3239.468693374387	16.39806264	7.89841074
344	39	10464	-144561.1413	88347.3170250766	39.3001698961391	-101.3100466	30080.1542459398	43526.31.75822447	3403.634875278177	3245.061852778654	3226.276128207136	3234.3806621291	18.7295245715179	1.655253265745246
345	39	10465	-143901.1413	88347.3170250766	39.30017973653958	-101.3077155	301007.2157177252	43526.27.18516848	3401.750125178617	3242.708725158208	3222.397701552808	3241.590250465274	20.1212589202545	1.14880898920114
346	39	10466	-143241.1413	88347.3170250766	39.30018953191177	-101.3053844	301208.277	43526.23.67000445	3399.88549193616	3240.199532202479	3218.4720258213224	3240.401236909987	21.72750681156672	0
347	39	10467	-142581.1413	88347.3170250766	39.30019938225757	-101.3030625	301409.783570384	43526.19.34713146	3397.8584984982623	3237.76143821934	3239.468693374387	3239.468693374387	16.39806264	7.89841074
348	39	10468	-141921.1413	88347.3170250766	39.3002097771445	-101.3007221	301610.3899116056	43526.15.7426505348	3397.8584984982623	3237.76143821934	3239.468693374387	3239.468693374387	16.39806264	7.89841074
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364	39	10484	-131361.1413	88347.3170250766	39.3003581487465	-101.2634239	304827.34678273427	43526.03.47027715	3388.45948287623					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevKgs.ft	BR/ElevMts.ft	SatHtKgs.ft	SatHtMts.ft
439	12556	-77901.14133	88347.3170250766	39.0093638140436	-10.0745998	121112.41040329	432224.507612197	3202.01563153918	37.13415861803157	2946.631165241091	2952.4426915130443	7.704240294	61.9289846027138	
446	139	-77241.14133	88347.3170250766	39.0034617367648	-10.0726662	121313.4511722544	432220.485129348	3220.932485848417	37.1323482051396	2943.009748962454	2950.558496366717	70.2237474089903	62.6748396467197	
447	139	-75681.14133	88347.3170250766	39.0094691318966	-10.0698574	121514.49871150483	432136.35813561	3218.231676536157	37.13167568446	2938.26801221076	2947.294757650652	72.8118737638347	64.3394784173939	
448	139	-75268.75921.14133	88347.3170250766	39.0095212373167	-10.0706286	121515.538112714	432170.440073742	3217.381913222774	37.10110093684698	2934.2651124802794	2947.0100957837443	76.3591175621848	68.0900663651958	
449	139	-75268.75261.14133	88347.3170250766	39.00957281114776	-10.0652751	121916.580536737007	432208.418204345	3215.931956801476	30.009501163411523	2928.745930882845	2936.9934931646077	81.1591854830709	72.9116317654516	
450	139	-74601.14133	88347.3170250766	39.0096233468225	-10.0629439	122117.6244808616	432170.97097322	3213.683240341396	30.0229152646277125	2929.47253737655	2940.99169372026	79.16091169372026	69.35091169372026	
451	139	-73941.14133	88347.3170250766	39.0096746079195	-10.0606127	122318.664545545	432200.375654212	3213.111591782174	30.075464317267	2927.379009110082	2937.456520768092	83.0017893401413	70.38491034113	
452	139	-72571.7281.14133	88347.3170250766	39.009724360598	-10.0582815	122519.7069931206	432166.35422026	3208.444931899246	30.0673075650195	2927.594677763905	2930.9183107166884	79.19609797700832	75.78206493	
453	139	-7261.14133	88347.3170250766	39.0097746035051	-10.0559583	122720.7416195923	432136.35813561	3205.87577172180715	30.05785192813153	2944.04881	2946.3632424250567	81.63074912210596	52.9138448072944	
454	139	-71961.14133	88347.3170250766	39.009823258482	-10.0536191	123251.789685863	432198.312103924	3202.769862401963	30.0452095867569	2956.42918632914	2958.771965507229	48.197724851828	45.8549336019494	
455	139	-71001.14133	88347.3170250766	39.0098727978982	-10.051288	123218.8300205078	432184.29133001	3198.882593877687	30.0360817987756	2957.109228329646	2959.03539	49.9976945811932	44.5729884242553	
456	139	-70641.14133	88347.3170250766	39.0099212196495	-10.0489568	123323.8712315565	432180.720746549	3197.1245506500506	30.02643352892534	2959.793062956613	2961.1245665321217	42.86497232592156	41.47976875731715	
457	139	-70681.14133	88347.3170250766	39.009969911036	-10.0466256	123352.8102089367	432166.35813561	3194.3607521724116	30.0161849605571	2962.865530410913	2963.765340667679	37.85316263829322	37.85316263829322	
458	139	-69321.14133	88347.3170250766	39.0100167122598	-10.0442944	123725.95275785334	432172.321048631	3191.596997406735	30.0063580293334	2963.657411183768	2963.705521706681	36.99262745565325	36.9445168226523	
459	139	-68681.14133	88347.3170250766	39.01003678314185	-10.0419632	123928.99364	432168.210134252	3190.439364468468	2999.704814	2961.010527633397	2960.9646717630448	38.94661371630448	38.94661371630448	
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461	139	-67381.14133	88347.3170250766	39.0101567396604	-10.0373009	124329.073006221	432160.170673809	3191.3368787190257	30.0188159361416	2953.9717289672	2957.3407300208187	43.09082406274394	44.5968333339732	
462	139	-66681.14133	88347.3170250766	39.0102023	-10.0349697	124530.113898940	432156.151228924	3191.785714005756	2997.0030792050969	2950.881602152086	2948.635671791439	46.171470988359	48.36746115315081	
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464	139	-65361.14133	88347.3170250766	39.0102923829672	-10.0303073	124932.1933810727	432148.11208908	3188.35417232642	2995.312682534197	2945.69516804794	2942.46518566068	48.259544871576	52.84700964811784	
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467	139	-63581.14133	88347.3170250766	39.010425226535	-10.0239038	125555.5424698022	432136.35813561	3182.05322127454	2993.6416791373	2943.757689	2943.757689	54.7511643378956	56.393046720344	
468	139	-6288.7212.14133	88347.3170250766	39.0104671547407	-10.0209826	125736.350	432120.03584673	3180.18664753815	2992.17418977307	2942.773843220294	2939.6333010469602	51.4165791540975	52.5408903	
469	139	-62061.14133	88347.3170250766	39.0105097	-10.0186514	125937.380970157	432128.20430529	3178.80051	2991.434983567466	2940.4165101753097	2939.465714755617	51.0145818143963	51.9682596318634	
470	139	-61401.14133	88347.3170250766	39.01055148216184	-10.0163202	126138.4277293778	432124.00250414	3177.423371797025	2990.715370464134	2941.1440348600313	2939.727502110427	49.571337743208	50.9876184526703	
471	139	-6091.14133	88347.3170250766	39.0105935	-10.013898	126339.4661919436	432119.985	3175.335503679337	2990.0134843596193	2941.7987871290275	2938.69349426024	48.21469726691884	51.3519418959364	
472	139	-60081.14133	88347.3170250766	39.01063472171782	-10.0116758	126540.504484919	432115.96220914	3173.735454884145	2989.32683788125	2942.6564419235074	2938.9995405153694	46.37943946647172	52.6367127752572	
473	139	-5942.14133	88347.3170250766	39.010693266	-10.0093266	126741.5426980022	432111.94989362	3171.79349688374	2988.62678058374	2942.414331112823	2938.9995405153694	44.7286536559574	46.2386536559574	
474	139	-58761.14133	88347.3170250766	39.0107185010468	-10.0075874	126942.580526006	432107.93269024	3169.7359752698	2987.980321566077	2941.65073269609	2941.65073269609	43.3265311198574	43.3265311198574	
475	139	-58101.14133	88347.3170250766	39.0107576363205	-10.0046643	127143.61834531	432103.915718307	3168.358413605926	2987.340278086265	2945.5943043585663	2943.59722070025	41.7294746770025	43.7270538	
476	139	-57441.14133	88347.3170250766	39.0107951	-10.0023331	127344.6559649875	432099.8983029	3167.67455145967	2986.66038139529	2946.2594745825627	2945.71948739313	40.9401355666316	40.9401355666316	
477	139	-56781.14133	88347.3170250766	39.01083405760146	-10.0000019	127545.693413079	432095.82233191	3166.96707364205	2985.98757253738	2945.86667311139	2946.56138788265	40.12000414	39.426308456473084	
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479	139	-55481.14133	88347.3170250766	39.0109036767677	-10.9959379	127947.767043721	432087.849704445	3164.619835828125	2984.5823181686524	2945.4300281101014	2946.39349427288	39.1522909634288	38.1884774	
480	139	-5491.14133	88347.3170250766	39.0109425226535	-10.9930483	128148.04747895	432083.934	3162.05322127454	2983.6416791373	2943.757689	2943.757689	39.7511643378956	40.7511643378956	
481	139	-54141.14133	88347.3170250766	39.0109854165546	-10.9906771	128349.84153285856	432079.81783563	3161.575170685498	2983.045987168974	2944.1876112534655	2945.570022100314	38.369770634318	37.4769638686824	
482	139	-53481.14133	88347.3170250766	39.0110021354456	-10.9883459	128550.8781321872	432075.80218576	3160.290887812248	2982.21728503614	2944.3694681823717	2945.616542571857	37.8426032124238	36.6011822442638	
483	139	-52821.14133	88347.3170250766	39.01105839423485	-10.9860148	128751.9145371787	432071.787	3154.219029671337	2984.857194814067	2945.1662004040312	2946.899115806666	35.93108503170246	35.93108503170246	
484	139	-52161.14133	88347.3170250766	39.0110940276254	-10.9836836	128952.50648047038	432067.74154767	3154.1816303622674	2984.0020624394	2945.604772232035	2946.547072232035	33.7912935430081	33.7912935430081	
485	139	-51501.14133	88347.3170250766	39.0111296701378	-10.9813524	129153.989835965	432063.7537378	3154.544231562297	2979.5905117724563	2946.16698168511	2946.594095849742	33.3380037043549	32.5568582682085	
486	139	-50841.14133	88347.3170250766	39.0111648351054	-10.9790321	129355.02294178	432059.74148295	3153.768249739325	2978.5494646438	2946.098391144014	2946.31824094395	32.452055343646	32.3906374393834	
487	139	-5007.14133	88347.3170250766	39.01120395676	-10.976383	129548.047878187	432055.934	3152.05322127454	2978.6416791373	2944.69147239863	2944.69147239863	32.114827989785	32.114827989785	
488	139	-49521.14133	88347.3170250766	39.0112394819075	-10.9743258	129757.904	432051.71268497	3151.556170685498	2976.603478181856	2944.309196733983	2942.21293074816	32.2935047487316	32.3621192707028	
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490	139	-4810.14133	88347.3170250766	39.0112963173555	-10.9699694	1301.2996316935	432043.68313003	3150.91354145967	2974.63197330120	2940.6620924166536	2939.878301311587	33.9770445354719	34.7603804	
491	139	-47541.14133	88347.3170250766	39.011322929645	-10.9673652	130360.2001157285	432039.6896936	3147.4287240271637	2973.65621038626	2939.462710082756	2938.35324286234	33.981011289		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
571	102691	5258.858673073351	88347.3170250766	39.3012486200184	-00.7808695	46464.4903693784	435719.176909573	3004.825073090044	2784.922869625201	2820.2871591217595	2826.2783220762567	2843.6373503441305	48.6445454949409	
572	102690	5918.858673073351	88347.3170250766	39.3012482405673	-00.7785383	46464.5173272885	435719.169348698	3001.360536716257	2837.326233496204	2824.1262440394824	2826.1262440394824	56.03097047349593	49.22642201050006	
573	102689	6578.858673073351	88347.3170250766	39.30124431098617	-00.7752021	46464.534865936973	435719.170986996	2997.90696134247	2871.25412134821	2814.7286138419171	2822.613734831514	57.02303720265036	49.14038650371734	
574	102694	7238.858673073351	88347.3170250766	39.301247342967436	-00.7737589	46464.57045557	4357107.123315588	2994.447583668683	2870.121291459263	2812.62623470653	2812.5212874179418	56.4505498869081	48.99004041220116	
575	102698	7898.858673073351	88347.3170250766	39.30124682656215	-00.7715447	46472.658924934	4357103.7458333	2992.438468107748	2868.74031394028	2810.4704063186644	2813.93133373238	57.8782071236345	49.829300456793135	
576	102696	8558.858673073351	88347.3170250766	39.30124626512665	-00.7692135	46477.6007707074	435699.17723086	2986.75595258814	2866.430318032993	2808.584053495818	2815.960084200796	58.146265734514	50.77024961239105	
577	102698	9218.858673073351	88347.3170250766	39.30124568669094	-00.7668823	46478.622353373	435695.179053479	2991.3860340117	2864.9607808033957	2807.0456512827413	2812.148060817607	57.9151292605342	52.81217958978859	
578	102699	9878.858673073351	88347.3170250766	39.30145007164695	-00.7645511	46478.6463321265	435695.181571818	2990.756870156152	2863.1345974201176	2805.731382907276	2815.005159801564	57.42086912939001	52.79097744	
579	102699	10538.858673073351	88347.3170250766	39.30144431068378	-00.7622199	46480.66516719653	435687.154278997	2988.1247419838463	2861.269138857223	2806.170521281187	2815.005159801564	57.42086912939001	52.79097744	
580	102701	11198.858673073351	88347.3170250766	39.301243590227	-00.7588877	46482.51686347153	435683.187175009	2985.6814714755104	2859.24941503736	2802.8581497540245	2807.4611752712175	56.43849217381115	51.83426212760834	
581	102701	11858.858673073351	88347.3170250766	39.3012427249572	-00.7557575	46482.570328572	435679.190258495	2982.439867994335	2857.270129115495	2801.503674500065	2805.5971175238975	56.764545653836	51.67301159151657	
582	102702	12518.858673073351	88347.3170250766	39.3012419508787	-00.7552263	46483.72822721197	435675.193383306	2979.28610238304	2855.1706871368033	2800.1220762306425	2803.2994054882467	55.04861906167715	51.87128164853957	
583	102703	13178.858673073351	88347.3170250766	39.301241074231804	-00.7528951	46485.7490145946	435671.196995597	2975.871133133906	2852.995004589749	2798.384371256456	2806.360165226116	52.95889807		
584	102704	13838.858673073351	88347.3170250766	39.30124015255449	-00.7505639	46495.7696103413	435667.201	2972.390756938	2850.73904899662	2795.3805095602046	2798.9658073114074	55.355142430423166	51.722368220456	
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592	102712	19118.858673073351	88347.3170250766	39.3012315804782	-00.7319143	46495.91522219131	435635.236650474	2965.2696755029	2829.884386789474	2773.522645109747	2787.933440179013	56.37167416797274	55.95989848714559	
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600	102720	24398.858673073351	88347.3170250766	39.3012191610386	-00.7132747	46496.01774668447	435603.2847347455	2969.049560228145	2803.647603510485	2760.585934284995	2761.921046175905	45.9692173732396	45.9692173732396	
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608	102728	29678.858673073351	88347.3170250766	39.30120452338525	-00.6946152	46496.120520499712	435571.34489218	2967.23567905481	2785.542600247657	2743.79675322128	2751.373916214214	41.74547043267594	41.74547043267594	
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610	102730	30998.858673073351	88347.3170250766	39.30120083344366	-00.6899528	46496.1452245401543	435563.361871524	2966.6622754155683	2780.73410780432	2739.4691322778626	2747.256958656717	40.282338052699	40.282338052699	
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613	102733	32978.858673073351	88347.3170250766	39.30119415913944	-00.6828238	46496.183121059882	435549.3839138021	2957.9343819138021	2774.343819138021	2733.43819138021	2733.43819138021	36.936799779966	36.936799779966	
614	102734	33638.858673073351	88347.3170250766	39.30119195126451	-00.680028	46496.195620123986	435545.373793004	2957.06871779745	2771.66830211229	2732.02191779023	2732.02191779023	35.846721243515	35.846721243515	
615	102735	34298.858673073351	88347.3170250766	39.30118924551875	-00.6782968	46496.20833666437	435541.40340591	2956.236497117775	2769.83196519					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.fg	BR/ElevBoth.fg	SatHt.fg	SatHtBoth.fg
697	19	102817	88418.85867307335	88347.3170250766	39.30084596439369	-100.4871396	371770.2033315387	4321516.82712592	2698.931919	2659.335016134495	2601.9063262389295	2603.706551390144	57.82717534751999	55.82690523230663
698	19	102818	89078.85867307335	88347.3170250766	39.30083990303924	-100.4880484	371971.20855371666	4351212.852	2696.159111320511	2658.200851786102	2598.3901512885445	2600.4005171250944	58.18026953257248	58.18026953257248
699	19	102819	89738.85867307335	88347.3170250766	39.30083389184724	-100.4882772	372122.31863581819	4351208.417451937	2696.432337606517	2656.930305	2598.3168973386728	2598.78207058741	61.15808935805894	61.15808935805894
700	19	102820	90306.85867307335	88347.3170250766	39.3008276640307	-100.4881486	372373.2186290347	4351200.9303561	2696.759410616988	2655.6694516378448	2592.4980234775394	2593.880545514392	63.17142816030537	61.78430712345289
701	19	102821	91058.85867307335	88347.3170250766	39.300821473857994	-100.4778149	372574.22348268094	4351200.923719695	2698.6704618349304	2654.4308287775197	2590.23761720024937	2591.172066809148	64.19322187562061	63.25791719610843
702	19	102822	91718.85867307335	88347.3170250766	39.30081523865047	-100.4754837	372775.228212710984	4351206.964587582	2699.3871741849304	2653.21689750186475	2587.9138664510892	2588.725998907466	65.3030316	64.49089175861084
703	19	102823	92378.85867307335	88347.3170250766	39.300808986413576	-100.4731525	372976.2328255221	4351192.981	2698.0315891967567	2652.025891967567	2585.7900892940592	2586.387127588221	66.23275190256272	65.64031761
704	19	102824	93038.85867307335	88347.3170250766	39.3008023314724	-100.4708214	373177.23730934196	4351190.08686593	2697.9796404329287	2650.862757817265	2584.009203622706	2584.475409882685	66.4534741585588	66.3734409
705	19	102825	93698.85867307335	88347.3170250766	39.300796252851556	-100.4684892	373478.2416742628	4351185.033317698	2698.2987500186475	2649.722192819075	2582.76853077002	2582.956291380728	67.44413981137495	67.44413981137495
706	19	102826	94388.85867307335	88347.3170250766	39.3007894752646	-100.466159	373729.24591738096	4351181.059363225	2698.87276559255	2648.05629829636	2580.771100400157	2580.851783301214	67.5700515284473	67.5700515284473
707	19	102827	95018.85867307335	88347.3170250766	39.3007833717204	-100.4638278	373780.250340423	4351179.0768743057	2698.6128824142663	2647.512706281267	2579.4007951671071	2579.4096807358778	68.111901120041	68.111901120041
708	19	102828	95678.85867307335	88347.3170250766	39.30077688178824	-100.4614967	373981.2540400756	4351173.11372923	2681.0640621443976	2646.422621892845	2578.107324056977	2578.0139013966809	68.42382255812208	68.42382255812208
709	19	102829	96338.85867307335	88347.3170250766	39.3007703317512	-100.4591655	374182.2571919661	4351169.140401293	2679.17924	2645.163270482766	2577.466630286356	2577.466630286356	67.77001451624383	67.77001451624383
710	19	102830	96988.85867307335	88347.3170250766	39.3007633593267	-100.4568343	374383.2616784395	4351161.18828838	2678.14218904662	2643.5063231208587	2577.637506448914	2577.77867	66.8888167175446	65.7276334588994
711	19	102831	97658.85867307335	88347.3170250766	39.3007570954601	-100.4545032	374584.2653165948	4351161.195846126	2674.532425458464	2641.870035321988	2576.891705642033	2577.07615061078	64.9783827195566	64.9783827195566
712	19	102832	98318.85867307335	88347.3170250766	39.30075040956825	-100.452172	374785.26863433596	4351157.224	2670.839340728024	2640.2548111678901	2575.0448184535814	2575.242387781239	65.2089031430883	65.2089031430883
713	19	102833	98978.85867307335	88347.3170250766	39.300743679429495	-100.4498408	374986.2722318666	4351153.2532694	2667.146229003223	2638.662080355594	2573.157051081713	2573.191208678019	67.3871975538806	67.3871975538806
714	19	102834	99638.85867307335	88347.3170250766	39.30073693869876	-100.4475907	375187.2755093366	4351149.279634504	2663.451127725606	2635.451127725606	2572.67941472975	2565.237362561516	67.74078092	67.74078092
715	19	102835	100298.85867307335	88347.3170250766	39.3007300328097	-100.4451785	375388.2787	4351145.30791851	2660.35113106602	2635.530849109833	2564.947373348598	2564.758913005324	70.58351176123506	70.71719610450922
716	19	102836	100958.85867307335	88347.3170250766	39.30072231765941	-100.4428473	375589.28180517105	4351141.33645403	2657.723233074462	2633.950906178969	2565.062284245728	2565.094214364318	68.900335667151687	68.900335667151687
717	19	102837	101618.85867307335	88347.3170250766	39.3007163071023	-100.4405162	375790.2873291254	4351135.36128554	2655.1493475181631	2632.478002396385	2565.5495377326328	2565.95155793154	69.2846466	66.7188466432943
718	19	102838	102378.85867307335	88347.3170250766	39.30070931335406	-100.438185	375991.2875244884	4351133.39399313	2652.56401961707	2630.93745806397	2565.5637034527626	2565.954958868365	65.4152439787709	65.0238719200467
719	19	102839	103088.85867307335	88347.3170250766	39.3006952696296	-100.435948	376192.2875035713	4351131.424689829	2650.9287500186475	2629.0287500186475	2564.9287500186475	2564.9287500186475	66.78232501877	66.78232501877
720	19	102840	103598.85867307335	88347.3170250766	39.30068594304575	-100.4335227	376393.292755444	4351125.45203932	2649.259136637441	2628.591012893904	2562.185200504206	2562.619580839025	65.850527884361	65.162328074027
721	19	102841	104258.85867307335	88347.3170250766	39.300688214130375	-100.4311915	376594.2952097033	4351121.48717372	2648.5846273003	2626.059140408636	2558.8554170423886	2558.8554170423886	65.4152439787709	65.4152439787709
722	19	102842	104918.85867307335	88347.3170250766	39.30068107833699	-100.4288604	376795.297533534	4351115.11352825	2643.379590956562	2625.16384272939	2556.0119616929487	2556.3946003581676	65.156225799009	68.7689389141717
723	19	102843	105578.85867307335	88347.3170250766	39.3006738975145	-100.4265292	376996.299406736	4351113.541166966	2640.731589856126	2623.7535255234805	2554.997551411169	2554.997551411169	68.7575041	68.7575041
724	19	102844	106238.85867307335	88347.3170250766	39.3006667166278	-100.424198	377197.3016293824	4351109.571163203	2640.65023115956	2622.36928	2556.275279709399	2556.95155793154	66.0848687833116	65.24454877560947
725	19	102845	106988.85867307335	88347.3170250766	39.30065960078201	-100.421969	377398.3086003713	4351105.61346892	2640.928673587597	2620.928673587597	2554.974897417755	2554.974897417755	66.7678698925113	66.7678698925113
726	19	102846	107558.85867307335	88347.3170250766	39.3006529625486	-100.4195418	377599.30536211	4351107.61781317	2640.706824515457	2619.62307196663	2554.9287500186475	2554.9287500186475	67.5700515284473	67.5700515284473
727	19	102847	108218.85867307335	88347.3170250766	39.30064472353308	-100.4172045	377800.3073899621	4351097.662271169	2640.58358597324	2618.2857304047293	2554.07877657253	2554.511267657801	67.3584623900396	67.3584623900396
728	19	102848	108878.85867307335	88347.3170250766	39.3006371796496	-100.4148734	378001.3900898939	4351093.69203341	2641.0584164044117	2616.960537480076	2548.1801684047124	2548.65405269292	52.7803643923951	51.63670245131561
729	19	102849	109538.85867307335	88347.3170250766	39.3006298696777	-100.4125422	378202.3051082916	4351089.723957423	2640.533426830481	2615.634247836926	2546.4894240172634	2546.380145456125	51.154048959179	52.25940543137015
730	19	102850	110198.85867307335	88347.3170250766	39.30062237094156	-100.4102111	378403.3118962341	4351085.75078814	2638.008077	2614.330254257156	2545.856329208597	2546.7580152170462	48.52293830977086	47.52293830977086
731	19	102851	110858.85867307335	88347.3170250766	39.3006148298629	-100.4078799	378604.3131650175	4351081.76836798	2635.6839298750038	2613.020259579375	2545.73799006477	2546.885952442488	47.20663555728978	47.20663555728978
732	19	102852	111518.85867307335	88347.3170250766	39.30060743801984	-100.4054548	378805.3184301584	4351077.81919663	2635.958611451507	2611.7129011916663	2545.0287132020096	2545.0287132020096	48.781232501877	48.781232501877
733	19	102853	112178.85867307335	88347.3170250766	39.300599561268824	-100.4032176	379006.315353835	4351073.849678798	2635.248775670528	2610.482645958218	2540.3108134456907	2540.3108134456907	49.05741521257188	49.35943340106996
734	19	102854	112838.85867307335	88347.3170250766	39.30059139563443	-100.4008864	379207.3163	4351069.8143205	2635.061494809905	2609.106033945828	2556.8802625157	2556.84458824268	52.1801271342565	52.1801271342565
735	19	102855	113498.85867307335	88347.3170250766	39.300584215375025	-100.3985553	379408.3170790196	4351065.91497695	2627.462543	2607.860134480185	2552.748956860374	2552.69809010574	50.06123875644314	50.06123875644314
736	19	102856	114158.85867307335	88347.3170250766	39.3005764417473	-100.3962241	379609.3176826025	4351061.945744172	2622.8816609512728	2606.50779625542	2549.170764330065	2549.0670795915007	51.47407180614014	51.47407180614014
737	19	102857	114818.85867307335	88347.3170250766	39.300568984	-100.393983	379810.3183420694	4351057.978177821	2621.9787810226	2605.210814296565	2546.9955141431337	2546.544389	50.21350030923571	50.21350030923571
738	19	102858	115478.85867307335	88347.3170250766	39.3005607618732	-100.391618	380011.3188012614	4351054.01798897	2621.719890682768	2603.919057715457	2538.610793848147	2541.925393774174	51.98959334291261	51.98959334291261
739	19	102859	116138.85867307335	88347.3170250766	39.3005529698743	-100.3892918	380212.3184301584	4351050.84307392	2621.569478168168	2603.919057715457	2538.610793848147	2541.925393774174	52.1801271342565	52.1801271342565
740	19	102860	116798.85867307335	88347.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
83	140	102943	-316821.1413	884137.3170250766	39.297874872748996	-101.9184694	248325.91190100617	4333894.457860945	3854.8032640321107	3634.264838410184	3583.920528459735	3614.94907	34.294295381283246	28.31753648418415
84	140	102944	-316161.1413	884137.3170250766	39.29786265116871	-101.9161384	248527.0120426367	4333890.38364305	3841.919668326714	3641.250635200442	3578.5619667192343	3603.405147863896	62.6884352609901	35.76981741405324
85	140	102945	-315541.1413	884137.3170250766	39.29781917696683	-101.9139075	248729.0145666622	4333886.2905694345	3839.234892397255	3637.1276734861364	3594.4787439341676	3615.0988279	44.75607330585671	44.75607330585671
86	140	102946	-314841.1413	884137.3170250766	39.29793931494337	-101.9117766	248929.2690405023	4333882.2049049325	3844.652172439343	3637.2089826546882	3567.6006250476523	3604.905348756253	60.6007085765244	54.305357178275623
87	140	102947	-314181.1413	884137.3170250766	39.297960727298225	-101.9091457	249130.3795396307	4333878.19031584	3841.496607887806	3635.1668242821497	3562.297429377636	3569.376700026276	72.27119490451369	65.79192405268731
88	140	102948	-313521.1413	884137.3170250766	39.29798218	-101.9068147	249331.5058949304	4333874.17060387	3838.570234966791	3633.1141198012347	3557.887349683814	3562.949381805325	76.2883481905325	70.16486585
89	140	102949	-312861.1413	884137.3170250766	39.2980035194285	-101.9040483	249532.6234844383	4333869.92747043	3835.6430954956	3555.677667475611	3577.5807688494914	361.0460780849412	62.6884352609901	54.305357178275623
90	140	102950	-312201.1413	884137.3170250766	39.298024874232496	-101.9021529	249733.7147748294	4333865.83594512	3832.7167831428123	3628.9662113011227	3563.96536394214	3585.98217107488597	75.2898459071293	42.9641005326718
91	140	102951	-311541.1413	884137.3170250766	39.29804615150334	-101.8996919	249954.6593036525	4333861.7452873853	3828.96787085193	3557.17710185131778	3582.447228822622	357.1068632805599	44.75607330585671	44.75607330585671
92	140	102952	-310881.1413	884137.3170250766	39.29807383746314	-101.897481	250135.9768119147	4333857.65443936	3824.193520231576	3624.760857947843	3549.915007627552	355.758636	74.9550620721224	49.1944980182435
93	140	102953	-310221.1413	884137.3170250766	39.29808857097401	-101.89516	250337.0936726222	4333853.564572902	3819.53027324385	3622.881384675285	3548.165894856357	3562.617917280367	61.054607117156	60.0205187167145
94	140	102954	-309561.1413	884137.3170250766	39.29810971172536	-101.8928291	250538.2104861912	4333849.475404566	3814.8410414471131	3620.581271189037	3546.570324951688	3562.00023965271	74.01150217	66.58880315
95	140	102955	-308901.1413	884137.3170250766	39.29813081035272	-101.8904982	250739.327058124	4333845.384629216	3810.7843179126906	3618.484836518837	3545.257431015209	3544.58096101771	73.227405362778	73.07407401706602
96	140	102956	-308241.1413	884137.3170250766	39.2981518625108	-101.8881672	250940.44332770144	4333841.29446564	3805.280358151521	3616.3941789144594	3544.0829372997373	3533.851781445694	73.1214161526031	82.5424077042818
97	140	102957	-307581.1413	884137.3170250766	39.29817289649655	-101.8859363	251151.5994405878	4333837.265406706	3800.393695050167	3614.3151371168528	3541.888376321938	3529.201410803894	74.42676084658942	81.517236634238
98	140	102958	-306921.1413	884137.3170250766	39.29819383176052	-101.883053	251342.6727320888	4333833.116159823	3798.530019716582	3612.255200163368	3539.7488453800205	3531.9961164115816	72.50544479434757	80.259177178178642
99	140	102959	-306261.1413	884137.3170250766	39.298214748852764	-101.8811744	251543.7908540002	4333829.027055314	3790.02442096806	3610.2193794649083	3537.7430514165535	3534.618229765385	72.47632048543584	75.601147
100	140	102960	-305601.1413	884137.3170250766	39.298235620922426	-101.8789434	251744.960189947	4333824.393171371	3783.840168934724	3608.21745931084	3535.657374863028	3537.0464725721198	75.5604344478365	71.1642732589666
101	140	102961	-304941.1413	884137.3170250766	39.298256474969687	-101.8765125	251946.0212728132	4333820.849442988	3777.655937726583	3606.2317288444634	3533.700578	3539.49702684922	72.3515009278834	66.73470215977613
102	140	102962	-304281.1413	884137.3170250766	39.298277229995055	-101.8741815	252147.1361220436	4333816.760898598	3771.471702610555	3604.287319934546	3531.955174442582	3540.7593324924574	72.825557006348	63.524395
103	140	102963	-303621.1413	884137.3170250766	39.29829779699796	-101.8718506	252348.2507205489	4333812.627565673	3769.226035	3602.364268182899	3530.0527215327766	3539.8937625161523	72.3119403012231	62.5003962676874
104	140	102964	-302961.1413	884137.3170250766	39.29831865897852	-101.8699196	252549.3657393547	4333808.54432518	3770.9116415879453	3600.4679684575	3528.20618772207	3536.16284474153	72.27144957	63.8498484716194
105	140	102965	-302301.1413	884137.3170250766	39.29833964221368	-101.8679208	252750.44050151348	4333804.647677314	3772.721246	3575.4263831742336	3526.5897475481215	3549.5347032685243	72.168034725597	75.985057544461
106	140	102966	-301641.1413	884137.3170250766	39.298359978772445	-101.864557	252951.593042639	4333800.49	3774.28712565955	3569.738251605764	3524.872677665284	3528.408741953607	71.8595248023801	68.3259736610571
107	140	102967	-300981.1413	884137.3170250766	39.298380464785765	-101.8625286	253176.7065650658	4333796.31159849	3773.7373696013885	3564.901900148823	3523.319024242047	3524.743934	71.8595248023801	70.1579570059236
108	140	102968	-300321.1413	884137.3170250766	39.29840097676575	-101.8601958	253353.8200467965	4333792.23390186	3768.083730435104	3593.082140275596	3521.800823035174	3521.78500198972	71.281702689922	71.29713828
109	140	102969	-299661.1413	884137.3170250766	39.29842144354487	-101.8578468	253554.9337116856	4333788.166412228	3759.239362452297	3519.27362452297	3520.290052270597	3519.71529680526	70.8873572252375	71.56406389227186
110	140	102970	-299001.1413	884137.3170250766	39.2984418653095	-101.8555339	253756.0405883046	4333784.0958268304	3760.68639209722	3589.491431	3517.691756210113	3517.115928473011	71.79967435331719	71.79967435331719
111	140	102971	-298341.1413	884137.3170250766	39.2984622921368	-101.8532808	253957.15807023004	4333780.972837927	3802.02175242241	3607.7158381742336	3515.1644796386966	3518.016916386966	71.5610582627045	69.680623222805
112	140	102972	-297681.1413	884137.3170250766	39.2984831934901	-101.850972	254178.27110212034	4333775.88265005	3773.9200722991582	3519.3491458471816	3517.900771772053	3517.17717717096	70.987791721236	68.737593008509
113	140	102973	-297021.1413	884137.3170250766	39.29850286079189	-101.848541	254359.3825915395	4333771.799832827	3765.728631007673	3518.899558164887	3508.011923699266	3513.342960496265	71.780321172276	70.7575597762261
114	140	102974	-296361.1413	884137.3170250766	39.29852310254694	-101.84621	254560.4951729008	4333767.714	3788.172671291393	3582.439163830746	3505.22366245157	3510.115680958025	72.21095374	72.319438729179159
115	140	102975	-295701.1413	884137.3170250766	39.2985432992792	-101.8438791	254761.6084382958	4333762.67597855	3783.941529573865	3580.682354496874	3502.674040476194	3507.141177941952	70.8083139735679	73.56823660773549
116	140	102976	-295041.1413	884137.3170250766	39.29856345098895	-101.8415811	254962.71827212142	4333759.54176925	3780.20143998685	3578.931080676592	3500.49362616081	3504.810709	74.12071123311813	74.12071123311813
117	140	102977	-294381.1413	884137.3170250766	39.29858357685284	-101.8392717	255163.8256576274	4333756.458132008	3776.17936892813	3577.17936892813	3498.458732039738	3500.53624285702	71.710664883937	76.63434170471098
118	140	102978	-293721.1413	884137.3170250766	39.29860361934901	-101.8369809	255374.94050151348	4333751.07089095	3772.721246	3575.4263831742336	3495.5897475481215	3500.5347032685243	72.168034725597	75.985057544461
119	140	102979	-293061.1413	884137.3170250766	39.29862363598656	-101.8345552	255593.1052025167	4333747.28438759	3769.253520535446	3573.66902114557	3504.104414335823	3495.066536790287	71.8595248023801	68.3259736610571
120	140	102980	-292401.1413	884137.3170250766	39.29864360767694	-101.8322242	255767.1616630246	4333743.200381074	3768.05013355557	3571.909758012612	3492.770846331476	3490.272104	71.8391168113605	81.6373659407222
121	140	102981	-291741.1413	884137.3170250766	39.29866335320257	-101.8298932	255968.271881311	4333735.11556101	3767.862823547551	3570.146688768607	3491.43428557717	3484.875333794276	71.7121062108905	85.2712549743200
122	140	102982	-291081.1413	884137.3170250766	39.29868341577441	-101.8275623	256169.38185814355	4333730.03043595	3769.661743369635	3568.380200561952	3490.4391852101576	3497.5439852101576	71.8410152337545	88.8452133
123	140	102983	-290421.1413	884137.3170250766	39.29870325233717	-101.8252313	256370.4919378317	4333726.948639312	3768.88896147366	3561.619564240316	3488.598335106136	3474.5724174297755	70.8310491789549	82.0848112627612
124	140	102984	-289761.1413	884137.3170250766	39.29872343848845	-101.8229003	256571.6010884396	4333726.948639312	3764.572071	3564.8426037843064	3486.3108977341536	3467.1035605012287	71.8595248023801	68.3259736610571
125	140	102985	-289101.1413	884137.3170250766	39.2987436313168	-101.820668	256779.3606206707	4333722.77478167	3762.721246	3575.4263831742336	3495.5897475481215	3500.5347032685243	72.168034725597	75.985057544461
126	140	102986	-288441.1413	884137.3170250766	39.298762941934901	-101.818283	256973.8195361535	4333718.694077325	3760.830294715343	3561.2968303217613	3490.7161390037035	3464.160583368605	80.535432	71.15287714019272
127	140	10298												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft	
208	140	103069	-233661.1413	884137.3170250766	39.30024076030053	-101.6247628	273665.0492948138	4333380.400847056	3621.6076535102075	3541.771457892688	3368.399957891201	3367.925365666542	83.315000166685	83.84592102722581
210	140	103070	-233001.1413	884137.3170250766	39.30025668	-101.6222417	273668.13883279945	4333376.33069491	3622.927865502391	3541.478569	3367.359613016534	3367.925777681072	83.315001944611	83.84912971078725
211	140	103071	-232841.1413	884137.3170250766	39.30027256409668	-101.6201906	273672.256837961	4333372.26537981	3621.484245	3541.1784918956572	3368.60902229567	3368.170754847683	84.5845698771189	86.0073736171189
212	140	103072	-231681.1413	884137.3170250766	39.30028383432774	-101.6177695	273681.3172369043	4333368.19171274	3619.186435092991	3450.315275156296	3368.2566510093	3364.944324777798	84.70966241	85.3711847373175
213	140	103073	-231021.1413	884137.3170250766	39.30030416777202	-101.6154384	274469.4061088341	4333364.130996604	3616.918628701513	3449.261384781821	3368.18454733977	3366.147883	83.07683742784411	83.1130153693903
214	140	103074	-230361.1413	884137.3170250766	39.30031991	-101.6131074	274670.494755551	4333360.04013885	3614.650204752142	3448.215495211056	3366.332019402775	3366.90457833566	81.310404376932	81.310404376932
215	140	103075	-229701.1413	884137.3170250766	39.3003360315101	-101.6107763	274871.58317987296	4333355.992723106	3612.500935492934	3447.181688468647	3366.402152801265	3366.402464492981	80.7796575387615	79.13904584717309
216	140	103076	-229041.1413	884137.3170250766	39.30035125060121	-101.6084452	275072.6713822932	4333351.306324263	3610.467949430294	3446.1607627297467	3366.4659810154417	3369.96623236976	79.69478171430501	76.19153039
217	140	103077	-228281.1413	884137.3170250766	39.3003685482518	-101.6061141	275273.75982971655	4333347.864217548	3608.453046418179	3445.151879518715	3366.26529965327	3368.170754847683	84.5845698771189	86.0073736171189
218	140	103078	-227721.1413	884137.3170250766	39.30038241402288	-101.603783	275473.84712146135	4333343.798022342	3606.402595754528	3444.161527252253	3366.14546685671	3367.0222837102398	78.0165007355434	78.1369091582709
219	140	103079	-227061.1413	884137.3170250766	39.300397828194315	-101.6014518	275675.3346587196	4333337.31937921	3603.9813855177034	3443.1673386585457	3365.5645202592527	3375.0132268507927	68.1741105026313	68.1741105026313
220	140	103080	-226401.1413	884137.3170250766	39.30041339733938	-101.5991209	275877.02197470097	4333333.66148092	3601.172834283299	3442.23706845265	3365.272002183092	3372.9393371467754	76.9587046647846	70.3687369848674
221	140	103081	-225741.1413	884137.3170250766	39.300428314458134	-101.5967898	276078.1091	4333330.360058814	3598.3632331375554	3441.261914741664	3364.914365196484	3364.914365196484	73.37526077767225	71.29390406447237
222	140	103082	-225081.1413	884137.3170250766	39.30044420055407	-101.5944587	276279.19594365576	4333327.430691424	3595.554481642816	3440.3704598763246	3364.7513568234967	3368.346047327366	75.6191030526938	72.0244125489027
223	140	103083	-224421.1413	884137.3170250766	39.30045953461641	-101.5921726	276480.285970385	4333323.49895918	3593.282157513413	3439.484897156625	3364.282287831444	3368.346047327366	75.6191030526938	72.0244125489027
224	140	103084	-223761.1413	884137.3170250766	39.300474823655004	-101.5897785	276681.369029658	4333319.40472288	3591.545811354954	3438.5854743950957	3363.70047	3365.820342056872	74.877117122558	72.76530478922358
225	140	103085	-223101.1413	884137.3170250766	39.30049006766895	-101.5874564	276882.4552426429	4333315.339670527	3589.80485178293	3437.721341643931	3363.00856415808	3364.7513568234967	74.877117122558	72.76530478922358
226	140	103086	-222441.1413	884137.3170250766	39.3005052665548	-101.5851343	277083.2175290634	4333311.259190658	3588.07319190327	3436.870418370293	3362.12659416845	3363.664589406686	74.877117122558	72.76530478922358
227	140	103087	-221781.1413	884137.3170250766	39.30052042061549	-101.5828032	277284.6270054555	4333307.211	3586.662212065216	3436.042496751737	3361.873437086365	3362.62186505248	74.877117122558	72.76530478922358
228	140	103088	-221121.1413	884137.3170250766	39.3005352954893	-101.5804721	277485.71256112156	4333303.1464063795	3584.9252651993722	3435.800839356047	3361.0705342523	3362.1237107345263	74.877117122558	72.76530478922358
229	140	103089	-220461.1413	884137.3170250766	39.30055093455796	-101.578141	277686.7798494874	4333299.08202018	3584.6412767939394	3434.42269319271	3361.860716270003	3367.90877835477	75.6191030526938	72.0244125489027
230	140	103090	-219801.1413	884137.3170250766	39.3005656123305	-101.5758989	277887.883004512	4333285.01389448	3583.615800979024	3433.622343821167	3361.83010236197	3368.831148489445	76.0173631952961	74.877117122558
231	140	103091	-219141.1413	884137.3170250766	39.30058136816965	-101.5734781	278089.964508252	4333271.54720012	3582.836238182924	3432.86176187015	3361.8007381053	3369.1421199121	82.7726854046935	82.7726854046935
232	140	103092	-218481.1413	884137.3170250766	39.30059552	-101.5711747	278290.052581056	4333266.81139892	3581.99101286759	3432.05459293425	3361.521047292536	3369.1421199121	82.7726854046935	82.7726854046935
233	140	103093	-217821.1413	884137.3170250766	39.3006103881366	-101.5688166	278491.137036665	4333262.87202809	3578.047011969573	3431.328637521908	3361.882236061298	3369.1421199121	82.7726854046935	82.7726854046935
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235	140	103095	-216501.1413	884137.3170250766	39.30064005	-101.564154	278893.3053	4333274.70170405	3575.609481280145	3429.845084547385	3361.349480989597	3367.90877835477	75.6191030526938	72.0244125489027
236	140	103096	-215841.1413	884137.3170250766	39.30065478	-101.5618233	279094.38910425187	4333270.639	3568.776834046143	3429.113010809056	3362.789296	3364.1759417051003	86.3237139352617	82.7726854046935
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239	140	103099	-213861.1413	884137.3170250766	39.30069875665605	-101.55483	279697.630287462	4333258.45187002	3566.03462345	3426.90221798871	3362.07342466555	3368.079096151	82.8348935220556	78.04303093
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241	140	103101	-212541.1413	884137.3170250766	39.3007278482271	-101.5501678	280099.8048858795	4333250.328013043	3564.464287098476	3425.38462879845	3361.589859091957	3361.589859091957	82.8348935220556	78.04303093
242	140	103102	-211881.1413	884137.3170250766	39.300742326812944	-101.5478367	280300.8873586979	4333246.26639028	3563.146482913875	3424.606362311354	3361.3025997	3361.589859091957	82.8348935220556	78.04303093
243	140	103103	-211221.1413	884137.3170250766	39.30075673034486	-101.5454956	280501.9699419624	4333242.205	3562.830343858916	3423.80654	3361.4262713459023	3361.589859091957	82.8348935220556	78.04303093
244	140	103104	-210561.1413	884137.3170250766	39.30077115	-101.5431745	280703.9617089756	4333238.14572001	3561.5303472228	3422.86176187015	3361.4262713459023	3361.589859091957	82.8348935220556	78.04303093
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246	140	103106	-209241.1413	884137.3170250766	39.3007997078478	-101.5385122	281105.215294445	4333230.01269991	3559.484995525965	3421.2645052792904	3361.487105439366	3361.589859091957	82.8348935220556	78.04303093
247	140	103107	-208581.1413	884137.3170250766	39.30081404	-101.5361811	281306.2967	4333225.26121458	3558.45903147154634	3420.3995187456354	3361.0872129463	3361.589859091957	82.8348935220556	78.04303093
248	140	103108	-207921.1413	884137.3170250766	39.3008285260469	-101.53385	281507.377917063	4333221.901	3557.43730984152	3419.4139425309179	3361.0872129463	3361.589859091957	82.8348935220556	78.04303093
249	140	103109	-207261.1413	884137.3170250766	39.300842415973946	-101.5315189	281708.45890531375	4333217.84047473	3556.4414087442213	3418.426813040695	3361.0872129463	3361.589859091957	82.8348935220556	78.04303093
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251	140	103111	-205941.1413	884137.3170250766	39.30087061937968	-101.5269127	282109.623919471	4333209.1714781	3554.423919471	3416.35997794463	3361.30760100821	3361.589859091957	82.8348935220556	78.04303093
252	140	103112	-205281.1413	884137.3170250766	39.30088484	-101.5245256	282311.700581234	4333205.06300398	3553.951647704817	3415.34754	3361.51657528323	3361.589859091957	82.8348935220556	78.04303093
253	140	103113	-204621.1413	884137.3170250766	39.30089861917903	-101.5221944	282512.780791122	4333201.601327635	3553.8748453031253	3414.3335504494841	33			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
461	140	13321	-67341.14133	884137.1370250766	39.30282839144204	-101.0373068	324333.09774709714	4532361.379	3195.451253411574	294.14684485814627	2954.248625878037	2952.80008955205	43.84922770342569	45.34483952657504
462	140	13322	-66681.14133	884137.1370250766	39.302832963550505	-101.0349735	324534.1735467299	4532357.39439834	3195.183091195985	294.1756216685106	2951.7853147697097	2949.584201726963	40.205200539187	47.6917249581398
463	140	13323	-62601.14133	884137.1370250766	39.302837490637124	-101.0269463	324735.1271705962	4532353.340014639	3194.567363967463	294.624701	2948.58093933584	2946.8145262512	46.9181721269075	49.617381750853
464	140	13324	-63561.14133	884137.1370250766	39.30284197268821	-101.0304375	324936.21663210227	4532350.320779466	3194.6052914934004	294.595293239404	2947.535458418569	2947.04728622231	48.0648644257007	49.5519463891598
465	140	13325	-64701.14133	884137.1370250766	39.30284646970839	-101.0279818	325137.2559181253	4532345.301734291	3194.742724433174	294.6941493250748	2945.5533886776016	2942.73454551038	49.23814057	50.4160386970104
466	140	13326	-64041.14133	884137.1370250766	39.302850801697455	-101.0250506	325338.2509133334	4532341.283	3184.6802097129284	294.6942017594912	2944.308061078157	2943.4602218279663	49.411487099478	50.54192166155625
467	140	13327	-63381.14133	884137.1370250766	39.30285514865574	-101.0233193	325539.3339779336	4532337.264213889	3184.34371146041225	294.73329981	2943.4231493602238	2942.98362059082	49.8068033034741	50.2463598
468	140	13328	-62721.14133	884137.1370250766	39.302859450562936	-101.0209881	325740.37275212957	4532329.25726486	3182.682391047624	294.73749661306	2943.169779793974	2942.264514328485	49.3036851271365	50.2092503676752
469	140	13329	-62601.14133	884137.1370250766	39.30286377079715	-101.0186568	325941.4115561258	4532329.22743598	3178.834765865023	294.720781	2943.16722111088	2942.18172229546	49.6271389596929	49.8187217269075
470	140	13330	-61401.14133	884137.1370250766	39.3028679193434	-101.0163256	326179.407912719	4532325.209	3177.23068810042	294.712383388824	2943.36895572839	2942.81811507282	47.6439801193238	48.6844217859041
471	140	13331	-60741.14133	884137.1370250766	39.302872066178525	-101.0139843	326343.48805443105	4532321.91452661	3175.052761	2940.7084479064	2943.691128688136	2942.810788858764	48.6156579009099	47.4962954094639
472	140	13332	-60081.14133	884137.1370250766	39.30287621	-101.0116631	326544.55614897024	4532317.17373217	3172.387892936986	294.6914375	2944.688126275235	2939.300677647593	44.92624921756659	50.21347943997084
473	140	13333	-59421.14133	884137.1370250766	39.30288028475383	-101.0093139	326725.5640742207	4532313.156217033	3169.72680456108	294.6883415776012	2945.6204832855447	2940.92739	43.10974848175203	48.00406778915203
474	140	13334	-58761.14133	884137.1370250766	39.30288431649493	-101.0070006	326946.6013029657	4532309.138679109	3165.16826377817	294.68254387108957	2946.290617845167	2943.52497910371	41.96379255724894	47.7294079769867
475	140	13335	-58101.14133	884137.1370250766	39.3028883520499	-101.0048694	327147.6394	4532305.121734028	3165.16824087956	294.6758478517769	2947.000465766171	2945.694630782932	40.57243076	47.8834853836996
476	140	13336	-57441.14133	884137.1370250766	39.30289214488397	-101.0023381	327348.768337465	4532301.10477449	3163.96394778719	294.6806360777337	2947.531665778268	2946.97182060073	39.366402946587	49.29485511712636
477	140	13337	-56781.14133	884137.1370250766	39.30289614153192	-101.0000089	327549.7140855305	4532297.088008768	3162.7850214876826	294.6802492390136	2947.72724	2947.54767205252	38.658926369245	48.658926369245
478	140	13338	-56121.14133	884137.1370250766	39.302899903148785	-100.9976756	327750.1765965854	4532293.071432775	3161.606095174377	294.685490202773065	2944.5517380292935	2942.81153300052	39.8416399642305	37.987487276163
479	140	13339	-55461.14133	884137.1370250766	39.30290379973459	-100.9953444	327951.7880024014	4532289.055	3160.076617743835	294.68476638607267	2945.688432779244	2946.8434311840384	39.0773832880233	37.9320126236435
480	140	13340	-54801.14133	884137.1370250766	39.30290756129392	-100.9930131	328152.824525749	4532285.03885419	3158.1965772481967	294.68045143396455	2945.6738899255405	2946.31253470691625	37.9320126236435	37.9320126236435
481	140	13341	-54141.14133	884137.1370250766	39.30291127781292	-100.9906819	328353.861037433	4532281.022440335	3156.316541295245	294.681314899135695	2945.4341907127287	2946.6847176378883	37.777295200640854	36.52730827568121
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483	140	13343	-52821.14133	884137.1370250766	39.30291846989186	-100.9860719	328735.3490778502	4532272.589182769	3152.558719385466	294.6789719385466	2947.1146630634573	2946.8145262512	39.366402946587	49.29485511712636
484	140	13344	-52161.14133	884137.1370250766	39.302922511971922	-100.9836881	328956.9701315827	4532268.95363992	3149.557463840755	294.68026305793705	2945.20520083352571	2946.4430012752146	35.10922149679961	34.18630450151594
485	140	13345	-51501.14133	884137.1370250766	39.30292585396436	-100.9813569	329158.006042028	4532264.960718881	3146.93149112775	294.6813417179574	2945.401041	2946.23475604827	33.47667147472716	33.47667147472716
486	140	13346	-50841.14133	884137.1370250766	39.302929184964055	-100.9790256	329359.0417822055	4532260.945699791	3144.3054343847925	294.677431928655	2944.763672627516	2945.104538396702	33.01063407190336	33.6698036190336
487	140	13347	-50181.14133	884137.1370250766	39.30293263301466	-100.9766944	329560.077371855	4532256.937924151	3142.55102299104	294.67823460798594	2945.5672567303677	2943.5271937919476	32.962081950828	32.962081950828
488	140	13348	-49521.14133	884137.1370250766	39.3029363260728	-100.9743631	329761.1127666823	4532252.911641843	3140.528700648128	294.6783395398953	2943.605011737294	2944.500077953722	32.2689836615898	35.36241744523067
489	140	13349	-48861.14133	884137.1370250766	39.30293985898186	-100.9720319	329962.1480949785	4532250.589182769	3138.55259182769	294.6789719385466	2947.1146630634573	2946.8145262512	39.366402946587	49.29485511712636
490	140	13350	-48201.14133	884137.1370250766	39.30294307125485	-100.9697008	330163.1830871195	4532248.54569456	3137.5706548710919	294.6789719385466	2947.1146630634573	2946.8145262512	39.366402946587	49.29485511712636
491	140	13351	-47541.14133	884137.1370250766	39.30294596337485	-100.9673964	330364.2179860103	4532240.87220875	3129.7923037468864	294.673589745551243	2939.131605764354	2942.81153300052	37.987487276163	37.987487276163
492	140	13352	-46881.14133	884137.1370250766	39.30294918751903	-100.9650381	330565.2567454598	4532238.859304238	3127.1986738512	294.6798024138487	2938.279621264963	2938.6801472627662	34.71571471460568	34.71571471460568
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494	140	13354	-45561.14133	884137.1370250766	39.302955484787945	-100.9603756	330967.3217409632	4532228.032034851	3122.011375066162	294.678888651426	2936.327210336504	2936.327210336504	31.3671182509417	31.3671182509417
495	140	13355	-44901.14133	884137.1370250766	39.3029585087564	-100.9580444	331168.3595997388	4532224.818865821	3120.008022042236	294.67707751648812	2934.009959200353	2935.27185858959	34.359218285992	34.359218285992
496	140	13356	-44241.14133	884137.1370250766	39.30296162152134	-100.9557131	331369.2490778502	4532220.589182769	3118.603927839322	294.6789719385466	2947.1146630634573	2946.8145262512	39.366402946587	49.29485511712636
497	140	13357	-43581.14133	884137.1370250766	39.30296461756745	-100.9533819	331570.4239965034	4532216.793	3117.1909135896294	294.6789719385466	2947.1146630634573	2946.8145262512	39.366402946587	49.29485511712636
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499	140	13359	-42261.14133	884137.1370250766	39.3029707447149474	-100.9487194	331972.94105205137	4532208.767186306	3113.78197110843	294.6661285555545	2931.545769321172	2933.14015762214	36.23833534382356	33.32071871833402
500	140	13360	-41601.14133	884137.1370250766	39.30297333584617	-100.9463881	332173.5247797568	4532204.754784575	3111.9124447704955	294.665176289377186	2930.965247254476	2933.760458059745	32.2110421120073	31.412230671744055
501	140	13361	-40941.14133	884137.1370250766	39.302976157176655	-100.9440669	332374.558056217	4532200.72547882	3108.602934041865	294.6713976041865	2930.9127389592274	2932.791295447934	30.606601082907	31.39426951998712
502	140	13362	-40281.14133	884137.1370250766	39.30297926219209	-100.9417256	332575.59124779676	4532196.73055171	3106.013409601901	294.6713976041865	2930.9127389592274	2932.791295447934	30.606601082907	31.39426951998712
503	140	13363	-39621.14133	884137.1370250766	39.30298239129629	-100.9393761	332777.659633961	4532192.77087391	3104.1275944577987	294.6713976041865	2930.9127389592274	2932.791295447934	30.606601082907	31.39426951998712
504	140	13364	-38961.14133	884137.1370250766	39.30298549329629	-100.9370361	332979.8239129629	4532188.77087391	3102.175944577987	294.6713976041865	2930.9127389592274	2932.791295447934	30.606601082907	31.39426951998712
5														

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
587	140	103447	15818.85867303351	884137.1370250766	39.30304986	-100.7435689	349662.829428385	43518586401	2987.006357553395	2792.3543435617302	56.11712680158231	50.80904874161979	
588	140	103448	1474.8586730335	884137.1370250766	39.3030487	-100.7412377	349683.454242238	4351858240547434	2968.2548019533213	2840.502034169446	58.00520335187184	52.029629215671784	
589	140	103449	11098.8586730335	884137.1370250766	39.3030476854546	-100.7389054	350054.869104784	435185840678434	2875.8813020997973	2785.258020997973	55.838115849421264	52.6031589431214	
590	140	103450	17798.8586730335	884137.1370250766	39.303044641645651	-100.7365751	350265.888533342	435184141515173	2903.8140771911069	2805.009962372304	57.6268379330096	51.6726827923349	
591	140	103451	18458.8586730335	884137.1370250766	39.30304517953621	-100.7342439	350466.9071099636	435184019342448	2968.685825892017	2823.262178	57.7764565966466	57.8013677093935	
592	140	103452	19118.8586730335	884137.1370250766	39.3030438758455	-100.7319126	350667.9271436691	435183642358646	2958.17809679374	2829.384604342633	57.124.102892113306	56.52378173132679	
593	140	103453	19778.8586730335	884137.1370250766	39.30304257060152	-100.7295814	350883.94623315582	435183242963757	2968.6270853458935	2826.407803385887	57.771.839796466038	57.792.01146117047	
594	140	103454	20434.8586730335	884137.1370250766	39.30304119858719	-100.7272501	351069.96517466905	435182843496777	2968.096363723396	2823.53263308227	57.680.80336907227	57.72.699768	
595	140	103455	21098.8586730335	884137.1370250766	39.30303978154148	-100.7249185	351270.963978154148	435182440350694	2968.0605017513752	2829.3816278881984	57.770.268020997973	57.78.006357553395	
596	140	103456	21758.8586730335	884137.1370250766	39.30303831944444	-100.7225876	351472.002626577	435182046	2968.51959212432	2827.6282457590563	57.776.002307010573	57.788.854027501285	
597	140	103457	22418.8586730335	884137.1370250766	39.30303812635055	-100.7202564	351673.021138376	435181645273184	2968.978234121272	2814.8622476187	57.67.021648991007	56.16313678670025	
598	140	103458	23078.8586730335	884137.1370250766	39.30303526021365	-100.7179251	351874.0356041834	435181458422744	2968.435671812326	2811.753715922466	57.63.2689640928	48.45414511271596	
599	140	103459	23738.8586730335	884137.1370250766	39.3030336304532	-100.7155938	352075.0572799902	43518084647165	2968.179677999247	2808.84912593264	57.61.9105022851923	57.605.5682338471654	
600	140	103460	24398.8586730335	884137.1370250766	39.30303200428493	-100.7132626	352276.0789104885	435180474128439	2968.20259463231	2805.979263425963	57.60.661122195132	57.58.03412782946	
601	140	103461	25058.8586730335	884137.1370250766	39.30303336950236	-100.7109313	352477.93710436	435180048	2967.222511129437	2803.1378073999883	57.59.024070769991	57.56.61441558159212	
602	140	103462	25718.8586730335	884137.1370250766	39.3030290134421	-100.7080001	352678.115140984	4351796440095	2968.24827096543	2800.339829709047	57.57.0514884513	57.54.284513274676	
603	140	103463	26378.8586730335	884137.1370250766	39.30302680240478	-100.7052688	352878.12919241497	435179249003305	2968.87894584781	2977.586427992463	57.56.089573055524	57.573.73600030149	
604	140	103464	27038.8586730335	884137.1370250766	39.3030250172022	-100.7033376	353080.14670120965	435178849	2968.11995241249	2974.882209238267	57.52.85719011033746	57.523.50162607134	
605	140	103465	27698.8586730335	884137.1370250766	39.30302313436126	-100.7016063	353281.1640676752	4351784506757326	2966.39593367017	2972.2360170404537	57.50.853858562945	57.575.1334664558	
606	140	103466	28358.8586730335	884137.1370250766	39.30302122	-100.6992751	353482.181290212	4351780514417548	2968.39983217846	2974.63408860464	57.48.827115	57.45.4025314201202	
607	140	103467	29018.8586730335	884137.1370250766	39.30301926544934	-100.6969438	353683.189734504	43517765226661	2968.16410974028	2974.09789225916	57.46.974014931572	57.42.253754378585	
608	140	103468	29678.8586730335	884137.1370250766	39.3030176260595	-100.6946126	353884.2151511717	435177253030438	2965.054162767906	2974.612652247	57.44.900090354251	57.40.264289959745	
609	140	103469	30338.8586730335	884137.1370250766	39.3030160142385	-100.692304	354072.91854185	4351768359	2968.698928620485	2974.616294224	57.43.981733684949	57.39.818733684949	
610	140	103470	30998.8586730335	884137.1370250766	39.30301122096914	-100.68995	354296.2487722994	435176454846273	2962.8280539557	2797.844565782047	57.39.907203	57.34.692827826112	
611	140	103471	31658.8586730335	884137.1370250766	39.30301089197211	-100.6882575	354487.262891871	4351760556	2960.58915178617	2797.425497242144	57.37.2112417689359	57.33.98073466149	
612	140	103472	32318.8586730335	884137.1370250766	39.3030080197211	-100.6862575	354688.2616654409	435175663442323	2951.9612126698106	2775.319533456481	57.34.596140234707	57.36.031668218287	
613	140	103473	32978.8586730335	884137.1370250766	39.303007436276	-100.6829653	354889.297002885	435175373242811	2953.904735532044	2773.158403164814	57.32.3978183402232	57.30.6084824991206	
614	140	103474	33638.8586730335	884137.1370250766	39.3030031722176	-100.680625	355090.313995047	43517485429135	2950.55634347498	2771.0680362190	57.31.7175447247	57.29.9183647395958	
615	140	103475	34298.8586730335	884137.1370250766	39.30299845032	-100.6784953	355291.3298455217	43517434915841	2948.698928620485	2769.94816294224	57.30.818733684949	57.28.818733684949	
616	140	103476	34958.8586730335	884137.1370250766	39.3029962134716	-100.6759623	355492.354793456	43517401401346	2946.01625941454	2770.10341919334	57.29.909549396077	57.28.69950441796	
617	140	103477	35618.8586730335	884137.1370250766	39.30299378161277	-100.6736313	355693.361	43517366111384155	2947.513589	2765.231044831461	57.28.03076697152726	57.34.9286335343516	
618	140	103478	36278.8586730335	884137.1370250766	39.3029947084711	-100.6713	355894.3769737386	43517326106383	2946.95195323866	2763.312201468115	57.27.68057	57.27.68057	
619	140	103479	36938.8586730335	884137.1370250766	39.3029926350521	-100.6689688	356095.3923688705	4351728631	2945.8003988244	2761.7010676529067	57.26.544357665997	57.27.288898297815	
620	140	103480	37598.8586730335	884137.1370250766	39.3029897202201	-100.666375	356296.4074629626	4351724641479972	2943.0636977495743	2764.162911212094	57.25.10524084313	57.25.10524084313	
621	140	103481	38258.8586730335	884137.1370250766	39.30298713	-100.6643033	356497.4224711685	435172058191719	2942.26159283344	2763.433692433888	57.24.807835924388	57.22.334336924388	
622	140	103482	38918.8586730335	884137.1370250766	39.302984491797	-100.661975	356697.4224711685	435171646251	2942.26159283344	2763.433692433888	57.24.807835924388	57.22.334336924388	
623	140	103483	39678.8586730335	884137.1370250766	39.3029818215006	-100.6596438	356899.4526500574	43517126359573	2942.26159283344	2763.433692433888	57.24.807835924388	57.22.334336924388	
624	140	103484	40238.8586730335	884137.1370250766	39.302979039696	-100.6573125	357100.4672617906	435170864576741	2936.330443935707	2753.923617873829	57.24.769573273252	57.24.769573273252	
625	140	103485	40938.8586730335	884137.1370250766	39.302976301262	-100.6549813	357301.481824205	435170649582258	2934.148253965204	2752.5005049719857	57.24.676496969634	57.24.676496969634	
626	140	103486	41558.8586730335	884137.1370250766	39.30297351759704	-100.65265	357502.4962495247	435170370726881	2931.96602523167	2751.11023539554	57.24.676496969634	57.24.676496969634	
627	140	103487	42218.8586730335	884137.1370250766	39.30297069550304	-100.650318	357703.5103539594	435168671880033	2929.66417711664	2749.78478573503	57.24.676496969634	57.24.676496969634	
628	140	103488	42878.8586730335	884137.1370250766	39.3029677664721	-100.644795	357904.5246853963	435166273069164	2927.34437937033	2748.41511423184	57.24.676496969634	57.24.676496969634	
629	140	103489	43538.8586730335	884137.1370250766	39.3029648936312	-100.642375	358105.5246853963	435163847969465	2925.148253965204	2748.41511423184	57.24.676496969634	57.24.676496969634	
630	140	103490	44198.8586730335	884137.1370250766	39.30296185122123	-100.640375	358306.556279247	43516247847828	2923.40519715682	2748.41511423184	57.24.676496969634	57.24.676496969634	
631	140	103491	44858.8586730335	884137.1370250766	39.3029587704965	-100.640938	358507.566410589	435160767256268	2920.98541426986	2744.504689820678	57.22.717311068842	57.22.717311068842	
632	140	103492	45518.8586730335	884137.1370250766	39.302955638466	-100.6386625	358708.56011967	4351582728225	2920.59595126136	2726.741910541062	57.16.76750783883	57.16.76750783883	
633	140	103493	46178.8586730335	884137.1370250766	39.3029526512884	-100.6363313	358909.5347545803	435156729256861	2919.135651093764	2724.055555862275	57.14.9232274035764	57.14.9232274035764	
634	140	103494	46838.8586730335	884137.1370250766	39.302949323477	-100.634	359110.6080471617	4351546806	2918.737019525656	2724.055555862275	57.14.9232274035764	57.14.9232274035764	
635	140	103495	47498.8586730335	884137.1370250766	39.30294647405146	-100.631668	359311.618967586	4351524818851896	2918.222379586169	2724.055555862275	57.14.9232274035764	57.14.9232274035764	
636	140	103496	48158.8586730335	884137.1370250766	39.30294329	-100.629375	359512.63502457	435150381971913	2917.650772982161	2723.47479782161	57.14.9232274035764	57.14.9232274035764	
637	140	103497	48818.8586730335	884137.1370250766	39.302940306356	-100.6270063	359713.6459729704	4351483540667	2917.292894305416	2723.47479782161	57.14.9232274035764	57.14.9232274035764	
638	140	103498	49478.8586										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKgt.	BR/ElevBothKgt.	Wt.HtElevKgt.	SurfBothKgt.
713	140	103573	98978.85867307335	884137.1370250766	39.30255640554665	-100.4498322	74890.2463	4133584.423110853	2671.058460134911	2673.8713037039566	2567.6547913362083	2567.4932667051153	70.1765789674836	70.1765789674836
714	140	103574	98968.85867307335	884137.1370250766	39.302549630812386	-100.447400939	3751.912484189438	4133530.451107985	2666.942275	2636.2643040075485	2562.0237583076038	2562.695500118784	73.76074042892034	73.76074042892034
715	140	103575	100298.85867307335	884137.1370250766	39.302542010649894	-100.4451697	25392.25320862221	4133436.472965448	2661.2363873700003	2643.2156310737672	2561.489921479672	2561.63585912847	72.1589856912847	72.1589856912847
716	140	103576	100958.85867307335	884137.1370250766	39.30253594425321	-100.4428085	75593.2553221837	4133410.567069166	2659.905357446515	2633.184453	2562.201635920127	2562.253245565515	70.20861676170296	70.20861676170296
717	140	103577	101618.85867307335	884137.1370250766	39.30252903342971	-100.4405073	375794.25804466906	4133338.563231568	2656.581412702648	2671.871786570434	2563.208566250074	2564.09429517610672	67.95082995442665	67.5765869596197
718	140	103578	102278.85867307335	884137.1370250766	39.30252027757587	-100.438176	75995.2606479809	4133314.564881783	2653.266925509479	2630.177406483476	2564.350793607656	2564.9052036831057	65.27184326036665	65.27184326036665
719	140	103579	102938.85867307335	884137.1370250766	39.30251507669166	-100.4358448	376196.2631323208	4133250.139391972	2656.1596016039682	2628.700084	2562.705551210801	2563.17554536289	65.94531120651901	65.524509820070078
720	140	103580	103580.85867307335	884137.1370250766	39.30250803077712	-100.4335136	76367.2654978938	4133236.623045591	2665.264170812287	2627.21152778008	2559.256211260857	2559.5739605142676	67.9849411715113	67.66719232637506
721	140	103581	104258.85867307335	884137.1370250766	39.302492069862221	-100.4311624	76598.2674483036	4133222.8522691875	2674.3687400161875	2655.8006384343687	2558.021270581891	2555.169289796664	70.778767265968	70.630746546702847
722	140	103582	104578.85867307335	884137.1370250766	39.30248380385702	-100.4288511	37679.290385702	4133181.690511	2674.576210141874	2571.364415070444	2557.364415070444	2557.364415070444	72.9154614517463	72.9154614517463
723	140	103583	104585.85867307335	884137.1370250766	39.30248662255151	-100.4265199	77000.2718845956	4133174.1154919	2688.787400593299	2622.96314914685	2550.27375047224	2550.5316456597028	72.89564487	72.4377323384848
724	140	103584	106238.85867307335	884137.1370250766	39.3024793681573	-100.4241887	377201.2737766123	413310.714426479	2690.312034	2621.579523598412	2552.500670722734	2553.235197558474	68.07875566213853	68.3442360399371
725	140	103585	106898.85867307335	884137.1370250766	39.3024712574965	-100.4218575	77402.27555142617	4133030.74149081	2691.8363279541	2620.26578379541	2556.19484288701	2557.3467245536413	67.088253384959	67.86003328384959
726	140	103586	107558.85867307335	884137.1370250766	39.30246480965332	-100.4195263	77603.2772870006	4133031.80743418	2693.360621641147	2618.832537000236	2559.1383813679043	2560.541161574474	58.714836397429	58.212041252765
727	140	103587	108218.85867307335	884137.1370250766	39.30245744852675	-100.4171951	77804.277484068	4133026.83218478	2698.1506400000367	2617.5164014543434	2561.315781881562	2562.7489756252625	60.990159861887	60.8415038
728	140	103588	108788.85867307335	884137.1370250766	39.3024504236994	-100.4148638	37805.260714535	4133024.862811255	2697.336472057624	2616.195691255781	2560.187325913146	2563.323561618471	53.97078586449555	52.8721296371008
729	140	103589	109538.85867307335	884137.1370250766	39.30244259118291	-100.4125328	378206.2841774342	4133019.89626737	2698.4789411112105	2614.8831414143688	2562.897601452336	2563.6389888882	52.18539769135175	51.3232525456896
730	140	103590	110188.85867307335	884137.1370250766	39.3024350490566	-100.4102014	778407.2826651027	4133026.9426916	2699.621410714208	2613.5742173379185	2561.908597820635	2562.645053043616	51.908597820635	50.92916704355886
731	140	103591	110688.85867307335	884137.1370250766	39.30242755318246	-100.4078702	378608.2837917076	4133025.985820786	2697.2227752718	2612.2686167593756	2561.308980234258	2561.960433084018	50.9683652511773	50.30818367535767
732	140	103592	111518.85867307335	884137.1370250766	39.30241966740404	-100.405539	378809.284965518	4133028.97199335	2694.0215285885648	2610.965499	2559.69867063888	2560.365313472258	51.26963169	50.600185487213
733	140	103593	112178.85867307335	884137.1370250766	39.30241233613287	-100.4032077	379201.28553576325	4133017.01855649	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
734	140	103594	112838.85867307335	884137.1370250766	39.3024046979495	-100.4008765	379211.2863	4133017.01855649	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
735	140	103595	113498.85867307335	884137.1370250766	39.3023970349936516	-100.3984953	379211.2863	4133017.01855649	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
736	140	103596	114158.85867307335	884137.1370250766	39.30238917020274	-100.3962141	379613.28733191524	4133023.114590128	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
737	140	103597	114818.85867307335	884137.1370250766	39.3023813606045	-100.3938829	379814.2877397945	4133029.14680631	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
738	140	103598	115478.85867307335	884137.1370250766	39.302373504142096	-100.3915517	380015.2880258774	4133025.1791	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
739	140	103599	116138.85867307335	884137.1370250766	39.3023650626536	-100.3892205	380216.2881505082	4133021.2103405	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
740	140	103600	116798.85867307335	884137.1370250766	39.3023576561351	-100.386893	380417.288187575	4133027.24489304	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
1	141	103601	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
2	141	103602	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
3	141	103603	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
4	141	103604	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
5	141	103605	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
6	141	103606	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
7	141	103607	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
8	141	103608	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
9	141	103609	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
10	141	103610	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
11	141	103611	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
12	141	103612	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
13	141	103613	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
14	141	103614	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
15	141	103615	117091.85867307335	884137.1370250766	39.302349344936516	-100.3845619	380623.288187575	4133028.97199335	2697.240784965211	2609.664720840451	2556.755544	2557.31188822805	52.90917705068775	52.35393222116439
16	141	103616	117091.85867307335	884137.1370250766	39.30234									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
99	141	103699	-306261.1413	884797.3170250766	39.30002736650303	-101.8812013	215547.88726694023	434030.301176618	3790.663961344946	37.90126939204241	3536.192414	3531.6639618131	34.70060520390795	79.1298424281002
100	141	10370	-305601.1413	884797.3170250766	39.30004882910446	-101.8788703	215479.0024007638	434026.221023831	3784.6103530397383	3608.7916259017	3534.59066960186	35.3003684145714	74.49476623413225	73.8960760348
101	141	10371	-304841.1413	884797.3170250766	39.30005966686251	-101.8766392	215493.1172688831	434022.130363923	3788.5571094482	3536.815424111806	3532.411896259654	35.3587571543142	74.4004351195421	68.2433646867747
102	141	10372	-304281.1413	884797.3170250766	39.30008984923717	-101.8742082	215211.23193150523	434018.043092711	3774.50246350226	3604.762883344489	3530.5004168200776	35.34136925521167	74.3647654211327	63.496068035259
103	141	10373	-303621.1413	884797.3170250766	39.30011058676838	-101.8718772	215232.34632883433	434001.954723168	3769.325135234325	3602.945978883813	3528.6496295323763	35.4046859875714	74.2964519506403	62.2970201257053
104	141	10374	-302961.1413	884797.3170250766	39.3001312927611	-101.8695462	215253.46048107685	434003.864325158	3760.9119565738	3601.044097239311	3526.854294091853	35.36163015174852	74.1741131474581	64.433454045931
105	141	10375	-302301.1413	884797.3170250766	39.3001519262032	-101.8672152	215275.4743884382	434005.7743884382	3759.160271106896	3599.160271106896	3525.1317812131924	35.322374033149636	74.0284895672416	66.78623956728276
106	141	10376	-301641.1413	884797.3170250766	39.30017522929095	-101.8648842	215295.6880511267	434001.690158913	3748.677590253072	3597.2937310089483	3523.441563326527	35.289391920794837	74.0267168152122	69.2003389266458
107	141	10377	-300981.1413	884797.3170250766	39.300196656861	-101.8626528	215316.801468336	433997.80236988921	3742.558683984162	3595.434574506395	3524.0227174285	35.2791807995538	73.791807995538	71.12048613107148
108	141	10378	-300321.1413	884797.3170250766	39.30021359907142	-101.8602222	215357.9146432458	433995.514747233	3741.098057921481	3593.607084530504	3520.1837744915653	35.29313682957028	74.232350451685	72.1207540250422
109	141	10379	-299661.1413	884797.3170250766	39.3002340666114	-101.8578911	215359.02753171535	433989.427300878	3738.6732225544	3591.7489049873424	3518.3606105840084	35.183135120510563	74.0243799032618	74.04894732826313
110	141	103710	-299001.1413	884797.3170250766	39.3002544882717	-101.855601	215376.1402052072	433985.34	3736.17680583605	3589.97618729652	3515.883030588886	35.20467807283965	74.0928774967659	69.5090644566674
111	141	103711	-298341.1413	884797.3170250766	39.30027487	-101.8532291	215396.12520715912	433981.253	3738.1782231834108	3588.1782231826265	3512.537048677129	35.24611744517955	74.0647511825823	63.46427511825823
112	141	103712	-297681.1413	884797.3170250766	39.3002951948478	-101.8508981	215412.3640053136	433977.16238871	3735.926985051956	3586.3887183831	3509.2849500027282	35.3034103053965	74.171032184	60.75836153292448
113	141	103713	-297021.1413	884797.3170250766	39.30031548676247	-101.8485671	215438.4789652324	433973.079593954	3731.598045952001	3584.057386103494	3506.181482236902	35.183439129010423	74.0242561674723	66.27199999969225
114	141	103714	-296361.1413	884797.3170250766	39.30033572905319	-101.846226	215454.5885890048	433969.93141498	3727.234306789046	3582.82012811695	3503.198473254213	35.12181218487134	73.97746551	70.00773434460807
115	141	103715	-295701.1413	884797.3170250766	39.300355925300046	-101.843905	215475.70003874134	433964.906882704	3723.1167533258905	3580.484843118024	3500.403921601854	35.08845487099707	74.0644627903833	72.501026031877
116	141	103716	-295041.1413	884797.3170250766	39.3003760772295	-101.841574	215496.61126595098	433960.821	3719.22864551052	3579.27207776113	3497.951377140283	35.0685222556586	74.118989002137	72.7450510127071
117	141	103717	-294381.1413	884797.3170250766	39.30039618473181	-101.8392429	215517.92235073206	433956.734040824	3715.3403717662625	3577.4955713012896	3495.0109286879104	35.0723699020122	74.02648414333924	72.021782728
118	141	103718	-293721.1413	884797.3170250766	39.3004162469068	-101.8369119	215539.36039332053	433952.64260158	3711.41199898814	3575.716216046428	3493.048370352294	34.98837402039997	74.0684389894175	76.8797734964682
119	141	103719	-293061.1413	884797.3170250766	39.300436260547474	-101.8345809	215557.1439393008	433948.57722331	3707.92400547992	3573.9350709224054	3493.0323669933	34.98348152147043	74.2534773154725	80.0919187
120	141	103720	-292401.1413	884797.3170250766	39.3004562618415	-101.8322489	215571.2536258393	433939.474477304	3704.756349449158	3572.1071639196	3490.22321015294	34.9874604607562	74.18265858	82.44363032410365
121	141	103721	-291741.1413	884797.3170250766	39.30047616328454	-101.829915	215592.3638969831	433930.236923715	3701.586229815791	3569.26229815791	3488.1597162905246	34.9817689248758	74.124194544651984	82.44363032410365
122	141	103722	-291081.1413	884797.3170250766	39.30049645356508	-101.8275878	215613.47364556475	433936.30457171	3708.421752514897	3568.572343229647	3487.117237111397	34.97191250450417	74.14551127156754	88.3911037372925
123	141	103723	-290421.1413	884797.3170250766	39.30051588241921	-101.8252568	215637.5831802741	433932.293247117	3705.614854083248	3566.78095813273	3484.9657705299094	34.97047051480322	74.185225283362	96.290290665247
124	141	103724	-289761.1413	884797.3170250766	39.30053657444914	-101.8229257	215657.6924739046	433928.139	3703.296209071599	3564.988565339367	3482.680690723975	34.95495922839287	74.2037605113341	110.0239369
125	141	103725	-289101.1413	884797.3170250766	39.30055524154574	-101.8205947	215676.8015267613	433920.054894308	3700.925533	3563.194581290676	3479.6740670354425	34.93051425523399	74.2037605113341	130.55391607103196
126	141	103726	-288441.1413	884797.3170250766	39.30057512343602	-101.8182638	215697.91033904877	433919.976507474	3708.506803805305	3561.39791571043	3476.012011096563	34.90335645565675	74.2037605113341	157.861710014756
127	141	103727	-287781.1413	884797.3170250766	39.30059478039568	-101.8159238	215719.0189197722	433915.869819516	3706.871746414022	3559.58698195125	3471.413820470114	34.88184835729845	74.2037605113341	178.029084407284
128	141	103728	-287121.1413	884797.3170250766	39.3006143925544	-101.8136016	215740.12734077803	433911.789703319	3705.851831907158	3558.779408235	3469.123303395323	34.8617678073683	74.2037605113341	177.08700145513072
129	141	103729	-286461.1413	884797.3170250766	39.3006336923355	-101.8112705	215761.2353345508	433907.71949787	3704.8446417502273	3555.909284787192	3459.45725378946	34.8370649656248	74.2037605113341	168.943189144913
130	141	103730	-285801.1413	884797.3170250766	39.3006534111714	-101.8089395	215782.341661666	433903.361308005	3703.810930331476	3554.20065216776	3451.890822435954	34.8056313030586	74.2037605113341	148.5474688218027
131	141	103731	-285141.1413	884797.3170250766	39.300672957976225	-101.8066084	215798.45019913898	433895.52595632	3702.8451073010775	3553.40220090464	3443.754070698746	34.83266051485097	74.2037605113341	119.1374941954913
132	141	103732	-284481.1413	884797.3170250766	39.30069239810756	-101.8042774	215814.5581723263	433889.45949878	3701.68761933444	3550.670136102943	3435.4210632671566	34.816370334971295	74.15185757849378	114.3737080079937
133	141	103733	-283821.1413	884797.3170250766	39.3007117765071	-101.8019463	215835.6653063805	433881.387185586	3700.128426859313	3548.81715631169	3432.880088224565	34.8081585514038	74.1271348087126	145.2321321710618
134	141	103734	-283161.1413	884797.3170250766	39.30073118405034	-101.800015	215856.7220115102	433877.30459437	3700.0717381778	3547.023067181424	3431.024115017638	34.80145917850246	74.1271348087126	170.029084407284
135	141	103735	-282501.1413	884797.3170250766	39.30075045116668	-101.7978242	215876.8785791732	433873.202185902	3700.0029893714	3545.23638716555	3427.49604181466	34.7864324196489	74.1271348087126	198.60211551996645
136	141	103736	-281841.1413	884797.3170250766	39.3007696903627	-101.7945532	215898.9852758103	433870.139597058	3700.35962040176	3543.455713314467	3414.909673515357	34.7824816755664	74.1271348087126	216.410375582313
137	141	103737	-281181.1413	884797.3170250766	39.3007887361389	-101.7926221	215910.09145539356	433867.950765955	3700.325832111227	3541.6828402790698	3413.194724507495	34.781553128	74.1271348087126	242.1466219906097
138	141	103738	-280521.1413	884797.3170250766	39.300808035300335	-101.7902911	215931.1973968721	433860.976131526	3700.29125581927	3539.92014418994	3411.925456475633	34.780217468847016	74.1271348087126	219.77277157984804
139	141	103739	-279861.1413	884797.3170250766	39.30082875	-101.78796	215952.30310045017	433856.89498786	3700.1387557170604	3538.717537474283	3410.68594899686	34.780217468847016	74.1271348087126	219.77277157984804
140	141	103740	-279201.1413	884797.3170250766	39.3008482359881	-101.785629	215973.4085633405	433852.813058726	3700.340633026233	3536.44442508513	3401.062312485067	34.780217468847016	74.1271348087126	219.77277157984804
141	141	103741	-278541.1413	884797.3170250766	39.30086843717973	-101.783389	215994.16178584302	433848.506756617	3700.321078877414	3534.91081985841	3400.29842341516	34.780217468847016	74.1271348087126	219.77277157984804
142	141	103742	-277881.1413	884797.3170250766	39.3008882417973	-101.781169	216015.46178584302	433844.20872758	3700.321078877414	3534.91081985841	3400.29842341516	34.780217468847016	74.1271348087126	219.77277157984804
143	141	103743	-27											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SurfBoth.f	SatBoth.f
225	141	10825	-223101.1413	884797.3170250766	39.3020374329097	-101.587485	77686.5263576084	43535.1659413512	3589.230532975742	336.8489844421209	3359.3807376702734	3362.1651618100127	74748916075093568	74.68468261119642
226	141	10826	-222441.1413	884797.3170250766	39.302317642604798	-101.5851358	777087.611498779	43535.1252393812	3587.1720346993125	3436.003143399082	3358.32656	3360.5851453608246	75.67563963500229	75.41739803825749
227	141	10827	-221781.1413	884797.3170250766	39.30233398701091	-101.5868357	777288.8972226123	43535.0872262943	3585.9171220477174	3357.0938922496277	3358.981467830768	35.1144005920951	75.18875234959126	75.18875234959126
228	141	10828	-221211.1413	884797.3170250766	39.30248306329304	-101.5804915	777489.7803751202	43535.00440020251	3584.576491071768	3354.3526741926575	3355.3311682841513	35.027090582345	77.10591383	77.10591383
229	141	10829	-220641.1413	884797.3170250766	39.30236370620035	-101.5781604	777680.8682085408	43535.00033701674	3583.532747955483	3433.5470958445647	3353.482142176661	3355.483753614824	80.2779646790394	78.0638208580326
230	141	10830	-219801.1413	884797.3170250766	39.3027828988299	-101.5758292	777891.95312267094	43535.06472753275	3582.488704092948	3352.758254831523	3350.87951	3353.21641479146024	81.94487492	79.5341069
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTTM.X	UTTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThkBoth.ft	SatThkBoth.ft
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386	141	103986	-116841.1413	884797.3170250766	39.304169887014	-101.2121591	009259.5474447514	452864.41232585	3310.14451794574	3139.507446115245	3107.5767902404	3107.5767902404	31.03995644532595
387	141	103987	-116181.1413	884797.3170250766	39.3041778183133	-101.209829	009459.7009679874	452860.588160965	3308.6591195667	3137.537493133976	3102.4296124867245	3103.5172758590316	31.03995644532595
388	141	103988	-115521.1413	884797.3170250766	39.3041857228803	-101.2074968	009660.7538420416	452856.54627458	3306.72793525748	3300.790052321726	3100.421663313208	3100.250327195808	31.03995644532595
389	141	103989	-114861.1413	884797.3170250766	39.30419358241495	-101.2051653	009861.8065106964	452852.51284753	3304.605814556086	3127.888300219083	3096.192542708213	3096.891131016748	31.03995644532595
390	141	103990	-114201.1413	884797.3170250766	39.3042013694374	-101.2028341	010062.85899295734	452848.47902849	3302.48378157863274	3125.176496503208	3092.952223056212	3092.952223056212	31.03995644532595
391	141	103991	-113541.1413	884797.3170250766	39.30420916642473	-101.2005928	010263.911289032	452844.45517717305	3300.55132625004	3122.3552095249018	3090.456149526137	3090.456149526137	31.03995644532595
392	141	103992	-112881.1413	884797.3170250766	39.3042168057407	-101.1981715	010464.963210674	452840.42661392	3298.95395792226	3119.525243116888	3088.026984661271	3086.435517723045	31.03995644532595
393	141	103993	-112221.1413	884797.3170250766	39.3042242589767	-101.195899	010665.927810674	452836.42661392	3297.02721323281	3116.867810674	3086.435517723045	3086.435517723045	31.03995644532595
394	141	103994	-111561.1413	884797.3170250766	39.3042320480034	-101.193509	010867.067021954	452832.413963031	3295.75526510782	3113.843107144554	3078.85434369842	3079.2010556390048	31.03995644532595
395	141	103995	-110901.1413	884797.3170250766	39.304239740435844	-101.191777	011068.1168155786	452828.314430968	3294.014983239133	3110.993364048863	3075.1665346675795	3075.1665346675795	31.03995644532595
396	141	103996	-110241.1413	884797.3170250766	39.3042473383036	-101.1888464	011269.168938033	452824.22077694	3292.153201143334	3108.139883	3071.4262432819805	3071.796726155297	31.03995644532595
397	141	103997	-109581.1413	884797.3170250766	39.30425483765364	-101.1865151	011470.2211670126	452820.2499111425	3290.02899589225	3105.2845370349855	3067.808686065237	3067.808686065237	31.03995644532595
398	141	103998	-108921.1413	884797.3170250766	39.304262291915336	-101.184138	011671.221670126	452816.218	3288.42099589225	3102.4293732184583	3063.748084032426	3063.748	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatThLgts.ft	SatThBtKgrg.ft
477	141	10407	-56781.14133	88479.73170250766	39.30470887864636	-101.0000118	327563.734934019	432548.294	315.06229693270993	2994.151034894557	2949.1546710422017	2948.976923413075	37.26036244725401	37.438110058380516
478	141	10407	-56121.14133	88479.73170250766	39.30471273017938	-100.987809	327754.771187762946	435249.447126936	316.9549032686887	2985.6914723072873	2947.8333833132135	2948.830137126716	37.65808939407025	36.8607370453216
479	141	10407	-55461.14133	88479.73170250766	39.30472945128196	-100.9836429	327875.806053158	435249.447126936	316.9549032686887	2985.6914723072873	2947.8333833132135	2948.830137126716	37.65808939407025	36.8607370453216
480	141	10408	-54001.14133	88479.73170250766	39.3047203851277	-100.9930179	328156.8451	435249.447126936	316.9549032686887	2985.6914723072873	2947.8333833132135	2948.830137126716	37.65808939407025	36.8607370453216
481	141	10408	-54141.14133	88479.73170250766	39.3047240151111	-100.9906866	328357.8814555744	435248.2942807263	315.145876471246	2983.371362524315	2946.3795402302444	2947.649737068219	36.99496022187125	35.72439814212416
482	141	10408	-53481.14133	88479.73170250766	39.3047278667114	-100.9883553	328558.917670141	435248.2942807263	315.145876471246	2983.371362524315	2946.3795402302444	2947.649737068219	36.99496022187125	35.72439814212416
483	141	10408	-52821.14133	88479.73170250766	39.3047313211034	-100.988024	328789.9537140033	435247.196261073	315.145876471246	2983.371362524315	2946.3795402302444	2947.649737068219	36.99496022187125	35.72439814212416
484	141	10408	-52161.14133	88479.73170250766	39.304734884792624	-100.9836927	328960.98959155026	435247.196261073	315.145876471246	2983.371362524315	2946.3795402302444	2947.649737068219	36.99496022187125	35.72439814212416
485	141	10408	-51501.14133	88479.73170250766	39.30473845128196	-100.9813614	329162.02503017849	435246.150229122	314.318697	2979.30483291195	2947.8333833132135	2948.830137126716	37.65808939407025	36.8607370453216
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487	141	10407	-50181.14133	88479.73170250766	39.304745369163776	-100.9768898	329564.0692223448	435246.150229122	314.318697	2979.30483291195	2947.8333833132135	2948.830137126716	37.65808939407025	36.8607370453216
488	141	10408	-49521.14133	88479.73170250766	39.30474870556266	-100.9743675	329765.1314330771	435245.121460340	313.8750123061975	2977.103461393557	2942.9350854726667	2940.7939004488385	34.1683792089041	36.3096904471967
489	141	10408	-48861.14133	88479.73170250766	39.304752126916476	-100.9720362	329966.166477191	435245.121460340	313.8750123061975	2977.103461393557	2942.9350854726667	2940.7939004488385	34.1683792089041	36.3096904471967
490	141	10409	-48201.14133	88479.73170250766	39.30475543244345	-100.9697409	330167.2013564736	435244.091030305	314.240576343233	2975.198336774243	2939.910341087816	2939.528832366839	35.2880479664269	35.6695078087521
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493	141	10409	-46242.14133	88479.73170250766	39.30476510234234	-100.962711	330770.30499947844	435243.081063922	313.11698689832	2973.203816620876	2937.682817232357	2938.351144051664	35.6005342963703	34.9187016235963
494	141	10404	-45561.14133	88479.73170250766	39.30476832323289	-100.9603796	330971.3392176381	435243.081063922	313.11698689832	2973.203816620876	2937.682817232357	2938.351144051664	35.6005342963703	34.9187016235963
495	141	10409	-44901.14133	88479.73170250766	39.3047713939215	-100.9580483	331172.3733	435242.021564424	312.424029550167	2971.400210676685	2933.974068932097	2934.7620433587863	34.1205314587307	34.68104137735362
496	141	10409	-44241.14133	88479.73170250766	39.304773460533216	-100.955717	331373.4071568806	435242.021564424	312.424029550167	2971.400210676685	2933.974068932097	2934.7620433587863	34.1205314587307	34.68104137735362
497	141	10407	-43581.14133	88479.73170250766	39.3047773663488	-100.9533857	331574.0448801743	435241.995107775	312.2204698277614	2968.47768821948	2932.405697081763	2932.595164950703	36.02689840161605	34.2181524288762
498	141	10409	-42921.14133	88479.73170250766	39.3047803770419	-100.9510544	331773.4754	435241.995107775	312.2204698277614	2968.47768821948	2932.405697081763	2932.595164950703	36.02689840161605	34.2181524288762
499	141	10409	-42261.14133	88479.73170250766	39.30478349248555	-100.948161	331976.0480227794	435241.995107775	312.2204698277614	2968.47768821948	2932.405697081763	2932.595164950703	36.02689840161605	34.2181524288762
500	141	10410	-41601.14133	88479.73170250766	39.3047870474575	-100.9463198	332177.51053538	435240.95847157	311.6114151275303	2965.54112685272	2930.739646708976	2933.423678760272	36.016589755002	32.11783348625507
501	141	10410	-40941.14133	88479.73170250766	39.3047888071799	-100.9440605	332378.5741329314	435240.95847157	311.6114151275303	2965.54112685272	2930.739646708976	2933.423678760272	36.016589755002	32.11783348625507
502	141	10410	-40281.14133	88479.73170250766	39.3047916165925	-100.9417292	332579.601369262	435239.93287261	310.672812371108	2963.529249343236	2928.929167	2931.071674071456	36.0012694	32.45012732499805
503	141	10403	-39621.14133	88479.73170250766	39.304793483756673	-100.9393979	332780.638778739	435239.93287261	310.672812371108	2963.529249343236	2928.929167	2931.071674071456	36.0012694	32.45012732499805
504	141	10404	-38961.14133	88479.73170250766	39.30479706841836	-100.9370666	332981.674557495	435239.93287261	310.672812371108	2963.529249343236	2928.929167	2931.071674071456	36.0012694	32.45012732499805
505	141	10408	-38361.14133	88479.73170250766	39.30479970429555	-100.9343638	333182.7046708146	435239.93287261	310.672812371108	2963.529249343236	2928.929167	2931.071674071456	36.0012694	32.45012732499805
506	141	10406	-37641.14133	88479.73170250766	39.304803393	-100.9314339	333373.12327407	435239.93287261	310.672812371108	2963.529249343236	2928.929167	2931.071674071456	36.0012694	32.45012732499805
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509	141	10409	-35661.14133	88479.73170250766	39.30480979733155	-100.92541	333986.832907365	435236.852	309.871506382156	2966.0312065286807	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
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511	141	10411	-34341.14133	88479.73170250766	39.304815473960614	-100.9207474	334388.96	435236.852	309.871506382156	2966.0312065286807	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
512	141	10412	-33681.14133	88479.73170250766	39.304819842741146	-100.918461	334589.921234774	435236.852	309.871506382156	2966.0312065286807	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
513	141	10413	-33021.14133	88479.73170250766	39.3048191696803	-100.916048	334790.9683547325	435235.784716223	309.871506382156	2966.0312065286807	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
514	141	10414	-32361.14133	88479.73170250766	39.3048214	-100.9137534	334991.9893172183	435234.901	308.440217766196	2965.004462113995	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
515	141	10415	-31701.14133	88479.73170250766	39.30482358592973	-100.9114221	335193.0211159203	435234.901	308.440217766196	2965.004462113995	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
516	141	10416	-31041.14133	88479.73170250766	39.30482572641594	-100.9090908	335394.050749612	435234.901	308.440217766196	2965.004462113995	2931.6530212013063	2934.721028107344	34.3781853273447	32.75710372
517	141	10417	-30381.14133	88479.73170250766	39.304827821869736	-100.9067595	335595.0812962422	435233.771230101	308.0330931082585	2964.1771559014504	2930.7742830261423	2930.949336842807	37.2972018836185	35.72282266622348
518	141	10418	-29721.14133	88479.73170250766	39.30482987229107	-100.9044282	335796.1115411605	435233.771230101	308.0330931082585	2964.1771559014504	2930.7742830261423	2930.949336842807	37.2972018836185	35.72282266622348
519	141	10419	-29061.14133	88479.73170250766	39.30483196833175	-100.9021889	335997.13192713485	435233.771230101	308.0330931082585	2964.1771559014504	2930.7742830261423	2930.949336842807	37.2972018836185	35.72282266622348
520	141	10420	-28401.14133	88479.73170250766	39.30483383036416	-100.8997656	336198.1716988456	435233.771230101	308.0330931082585	2964.1771559014504	2930.7742830261423	2930.949336842807	37.2972018836185	35.72282266622348
521	141	10421	-27741.14133	88479.73170250766	39.30483537336039	-100.8974343	336399.2015368112	435233.771230101	308.033093					

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	LatBoth.f	LatBoth.ft
603	141	104203	26378.8586730335	88479.73170250766	-00.3483956431052	-100.7062665	525883.12035965217	4315993.6783133075	291.2155669398926	276.26272224392375	275.2650409486687	41.36218148070884	43.89338480759204
604	141	104204	27038.8586730335	88479.73170250766	-00.34083774193642	-100.7039352	53084.142048739	4362598.85453133	290.6500536193294	273.9145244461155	273.390170121977	41.5244132418434	43.5551401349578
605	141	104205	27398.8586730335	88479.73170250766	-00.34043587452669	-100.701639	533295.1587230775	43695.892718985	293.590172458947	273.1508468526025	273.1508468526025	38.51724295739425	38.16848564738275
606	141	104206	26378.8586730335	88479.73170250766	-00.34038396200989	-100.6992278	535486.1766008703	4351981.7	293.70506623403	278.667205043363	274.757680089055	37.631359221	35.3065659410033
607	141	104207	29018.8586730335	88479.73170250766	-00.34038204619435	-100.6969413	535687.193485871	4351977.708032169	293.719005333722	278.6137888964197	274.511405841927	37.97542537307054	34.6267843242697
608	141	104208	29678.8586730335	88479.73170250766	-00.69461	-100.69461	535888.102291417	4351977.715002417	296.211115330325	278.6371332711724	274.6351608741415	37.31702639703096	35.52778215323258
609	141	104209	30338.8586730335	88479.73170250766	-00.6922786	-100.6922786	53609.2286309289	4351967.72338196	296.9033253669393	278.12703240737733	274.53126915520377	37.7576325173556	35.8399626
610	141	104210	30998.8586730335	88479.73170250766	-00.6899473	-100.6899473	534290.243914261	4351965.72306912	296.965335354633	277.830792149737	274.0303542623183	37.44620416471892	36.5246375260516
611	141	104211	31658.8586730335	88479.73170250766	-00.687616	-100.687616	534481.2596108352	4351967.740723368	298.59080345193	277.856655065025	273.7687607837778	35.47569634155025	35.47569634155025
612	141	104212	32318.8586730335	88479.73170250766	-00.685247	-100.685247	534692.27593017	4351957.74573579	295.659595218797	274.4825263431369	273.9326842527805	35.4654138135629	35.3976564622109
613	141	104213	32978.8586730335	88479.73170250766	-00.6826534	-100.6826534	534893.2918272094	4351953.758215806	295.634556058535	272.208571363761	273.01562310595	34.1306493286475	41.00692743511354
614	141	104214	33638.8586730335	88479.73170250766	-00.6806221	-100.6806221	535094.307	4351949.767245302	294.617821695252	270.2383746847163	272.938472262555	34.7504517429554	41.18420718916208
615	141	104215	34298.8586730335	88479.73170250766	-00.6782908	-100.6782908	535295.32348169584	4351945.76463718	294.848383182721	276.823215645713	273.044215645713	33.70022633866715	33.70022633866715
616	141	104216	34958.8586730335	88479.73170250766	-00.6759595	-100.6759595	535496.339097432	4351941.785971043	294.831707709725	274.36125048582407	273.7327253076984	34.15109914567764	33.91828426222156
617	141	104217	35618.8586730335	88479.73170250766	-00.6736282	-100.6736282	535697.354579531	4351937.759467269	294.815181959224	274.64431193163937	273.8320360818594	34.73627332735262	33.5226832353427
618	141	104218	36278.8586730335	88479.73170250766	-00.671269	-100.671269	535898.369134693	4351933.80525239	294.798578474715	272.6485402039043	272.978111351536	34.703071409557805	34.703071409557805
619	141	104219	36938.8586730335	88479.73170250766	-00.6688655	-100.6688655	536099.38511155837	4351929.815226393	294.81012019216667	274.9197222434586	272.75474554533757	34.728631193610963	34.728631193610963
620	141	104220	37598.8586730335	88479.73170250766	-00.6666342	-100.6666342	536300.4001704039	4351925.85239271	294.820350988271	275.120637319764	274.26340921569342	33.71201166580713	32.8437714892932
621	141	104221	38258.8586730335	88479.73170250766	-00.6643209	-100.6643209	536501.41509021225	4351921.83741014	294.843671476066	274.565182634934	272.921745624347	34.72274525199347	33.72274525199347
622	141	104222	38918.8586730335	88479.73170250766	-00.6619176	-100.6619176	536702.429871186	4351917.84261817	294.86544466649	275.0600925003708	272.1051658518387	34.72247273301814	33.50837641768055
623	141	104223	39578.8586730335	88479.73170250766	-00.6596403	-100.6596403	536903.445135324	4351908.910071068	295.068974605991	275.458026841901	271.9185972834976	34.721042656885423	34.9905403681149
624	141	104224	40238.8586730335	88479.73170250766	-00.6573309	-100.6573309	537104.459017454	4351909.88	295.04525745233	273.51049419425	271.662595704046	34.7171046930853	34.7171046930853
625	141	104225	40898.8586730335	88479.73170250766	-00.654977	-100.654977	537305.547525297	4351905.730648316	295.142355471194	272.51170498954	270.920676757527	34.709263757527	34.709263757527
626	141	104226	41558.8586730335	88479.73170250766	-00.6526464	-100.6526464	537506.48610504	4351901.8903324315	293.0040225156176	275.07223396645	271.802022051014	34.71809473396934	32.090304563078
627	141	104227	42218.8586730335	88479.73170250766	-00.6503151	-100.6503151	537707.501700733	4351897.902	293.03606525167	274.806358111794	271.9195677965886	34.7181925845058	32.91937579371
628	141	104228	42878.8586730335	88479.73170250766	-00.6479837	-100.6479837	537908.515653201	4351889.913490755	292.28310076656	275.122237859187	274.72624767367	34.72043961341253	34.72043961341253
629	141	104229	43538.8586730335	88479.73170250766	-00.6456524	-100.6456524	538109.5294678918	4351883.92435115	292.2941174291715	274.4620816524626	272.87912277817636	34.7285165931969	34.7285165931969
630	141	104230	44198.8586730335	88479.73170250766	-00.6433211	-100.6433211	538310.542545016	4351885.374022038	292.012095847469	274.443033803772	273.0309204184705	34.73007277498595	34.73007277498595
631	141	104231	44898.8586730335	88479.73170250766	-00.6409816	-100.6409816	538511.547625297	4351884.949828032	291.845698369385	273.95389578251	272.92638176251	34.729816982923	34.729816982923
632	141	104232	45458.8586730335	88479.73170250766	-00.638622384	-100.638622384	538719.1660204712	4351885.02546561	290.817549556575	273.041543156525	269.921691405041	34.729816982923	34.729816982923
633	141	104233	46178.8586730335	88479.73170250766	-00.6363272	-100.6363272	538913.5834574006	4351879.97468838	291.497615379052	274.116672842511	273.2376588131284	34.72430647475013	34.72430647475013
634	141	104234	46838.8586730335	88479.73170250766	-00.6339959	-100.6339959	539114.59683984	4351869.97	291.915232179953	273.943940371189	272.0153097207262	34.72430647475013	34.72430647475013
635	141	104235	47498.8586730335	88479.73170250766	-00.6316646	-100.6316646	539315.609831868	4351866.00499538	291.908815887793	273.735870245303	271.604909241961	34.72198539593909	34.72198539593909
636	141	104236	48158.8586730335	88479.73170250766	-00.6293333	-100.6293333	539516.622420108	4351859.61372325	291.653486249071	273.7450514116148	271.51588272	34.72198539593909	34.72198539593909
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638	141	104238	49478.8586730335	88479.73170250766	-00.6246707	-100.6246707	539914.747525297	4351854.04306773	290.817549556575	273.041543156525	269.921691405041	34.729816982923	34.729816982923
639	141	104239	50198.8586730335	88479.73170250766	-00.62232384	-100.62232384	53919.1660204712	4351885.02546561	290.817549556575	273.041543156525	269.921691405041	34.729816982923	34.729816982923
640	141	104240	50798.8586730335	88479.73170250766	-00.6200081	-100.6200081	539302.6252715434	4351846.06395157	290.422319119377	273.2538008199557	269.562089618463	34.729816982923	34.729816982923
641	141	104241	51458.8586730335	88479.73170250766	-00.6176767	-100.6176767	539521.6847038237	4351842.0224389	290.422319119377	273.2538008199557	269.562089618463	34.729816982923	34.729816982923
642	141	104242	52118.8586730335	88479.73170250766	-00.6153454	-100.6153454	539722.6967116544	4351838.06738034	290.4130744469817	273.541031393131	268.9489631195485	34.729816982923	34.729816982923
643	141	104243	52778.8586730335	88479.73170250766	-00.6130141	-100.6130141	539923.686379244	4351834.1124289	290.379036	272.9394173399261	268.972508	34.729816982923	34.729816982923
644	141	104244	53438.8586730335	88479.73170250766	-00.6106828	-100.6106828	53917.12044245136	4351830.12593612	289.266498373216	272.253212147093	268.42962459005	34.729816982923	34.729816982923
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647	141	104247	55418.8586730335	88479.73170250766	-00.6036889	-100.6036889	539727.754973909	4351818.17147795	289.266498373216	272.253212147093	268.42962459005	34.729816982923	34.729816982923
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649	141	104249	56798.8586730335	88479.73170250766	-00.5990263	-100.5990263	53919.1660204712	4351885.02546561	290.817549556575	273.041543156525	269.921691405041	34.729816982923	34.729816982923
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651	141	104251	58098.8586730335	88479.73170250766	-00.59437	-100.59437							

ix	iy	ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRrElevLogs.Rt	BRrElevBoth.Rg	SatHLogs.Rt	SatHBoth.Rt
729	141	104329	103958.8567307335	884797.3170250766	39.3042551655764	-100.412523	378210.255665259	4351482.09348275	2659.424635398345	2611.122506195184	2558.49933	2559.2269526067016	55.61292030846835	54.88529801281675	
730	141	104330	1110.186567307325	884797.3170250766	39.30424762014395	-100.401197	378411.255359349	4351480.94367362	2612.804424532515	2558.147612557387	2558.8171327447516	54.66029549337816	53.93630340346568		
731	141	104331	1108.6567307325	884797.3170250766	39.30424027670978	-100.407696	37861.2543566556	4351483.12540717	2648.92519469517	2611.507811396337	2557.581919	54.73308612988594	53.9289119702357		
732	141	104332	1110.186567307335	884797.3170250766	39.3042366223835	-100.405592	378813.2551956818	4351480.15670143	2655.42825569379	2610.205909407816	2555.538620092225	54.69070438193184	54.1952029826297		
733	141	104333	11217.8567307335	884797.3170250766	39.30422506073661	-100.403179	379014.2558360355	4351476.188150054	2661.04384686948	2608.9134	2552.95053022775	55.253366990279336	56.9627040983436	55.54640146476544	
734	141	104334	1128.386567307335	884797.3170250766	39.30421738420308	-100.400866	37925.2557636463	4351472.219786511	2666.605125460037	2550.621198080919	2550.22510346140037	55.96270336981896	57.3471454851264	57.3471454851264	
735	141	104335	1140.186567307335	884797.3170250766	39.3042066263829	-100.398534	379416.2567798801	4351468.251610871	2668.8254732279206	2606.268881	2547.27598035947	55.96270336981896	58.85428520313513	59.04492193191195	
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737	141	104337	1148.6567307325	884797.3170250766	39.3041948441563	-100.393878	379819.257584349	4351460.15282297	2682.479469114148	2603.246825762246	2541.376892138676	55.4473070593939	62.08511676555225	62.5324705699176	
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739	141	104339	1161.86567307335	884797.3170250766	39.3041783206651	-100.3892103	380220.257276504	4351452.38076313	2643.426623078553	2601.170332	2535.5962011472324	55.4473070593939	66.5488966362626	66.5488966362626	
740	141	104340	1167.86567307335	884797.3170250766	39.304170379345535	-100.386879	38041.2571155961	4351448.41549714	2632.481263356873	2598.803237211987	2533.809097500385	55.4473070593939	68.570113971160	68.570113971160	
1	142	104341	-370941.1413	885457.3170250766	39.29957601	-102.109654	38141.4952673446	435463.25524446	3996.02490255446	3797.07852254446	3754.1608907043847	55.4473070593939	70.4680451262044	70.4680451262044	
2	142	104342	-370281.1413	885457.3170250766	39.29960129638979	-102.1073435	382042.6327469009	4354629.18330068	3977.2224154632633	3756.73652480286	3750.3044616954626	55.4473070593939	72.4502298423612	72.4502298423612	
3	142	104343	-369621.1413	885457.3170250766	39.299625369934	-102.105036	382243.759160434	4354625.07867708	3982.02198958904	3794.364331192538	3752.106457388173	55.4473070593939	74.257832436192	74.257832436192	
4	142	104344	-368961.1413	885457.3170250766	39.29965173198925	-102.102677	382444.4914816514	4354620.96709917	3991.621644333091	3792.991291242918	3753.1910172456833	55.4473070593939	76.39027399723454	76.39027399723454	
5	142	104345	-368301.1413	885457.3170250766	39.2996788255759	-102.100348	382646.05370224145	4354561.85902451	3980.821900886218	3791.617279150614	3755.073133858284	55.4473070593939	78.3544125978594	78.3544125978594	
6	142	104346	-367641.1413	885457.3170250766	39.2996719750522	-102.098018	382847.1926474173	4354562.75342387	3980.0621753835218	3790.239843645836	3756.780054450036	55.4473070593939	80.397919189015	80.397919189015	
7	142	104347	-366981.1413	885457.3170250766	39.29972704773441	-102.095679	383048.332758434	4354604.64566711	3978.431211241236	3788.85877807729	3758.3556110393674	55.4473070593939	82.3503766836154	82.3503766836154	
8	142	104348	-366321.1413	885457.3170250766	39.29975206294214	-102.093349	383249.46974294813	4354608.57376421	3974.06476594337	3787.474191021255	3754.999459762716	55.4473070593939	84.3503766836154	84.3503766836154	
9	142	104349	-365661.1413	885457.3170250766	39.29976033129374	-102.091018	383450.8078937422	4354600.431	3973.664070782755	3786.08662309669	3751.375411	55.4473070593939	86.3503766836154	86.3503766836154	
10	142	104350	-365001.1413	885457.3170250766	39.2997615682603	-102.088871	383651.457080882	4354562.3356818	3971.204956132755	3784.69622136646	3747.901513545681	55.4473070593939	88.3503766836154	88.3503766836154	
11	142	104351	-364341.1413	885457.3170250766	39.2997630844215	-102.086539	383852.834027286	4354562.3356818	3969.477844711458	3784.204155821685	3744.1215728682	55.4473070593939	90.3503766836154	90.3503766836154	
12	142	104352	-363681.1413	885457.3170250766	39.299764735676204	-102.084252	384054.0270648264	4354581.11027977	3962.256418139894	3781.509134894155	3738.145051058555	55.4473070593939	92.3503766836154	92.3503766836154	
13	142	104353	-363021.1413	885457.3170250766	39.2998676372234	-102.0816943	384255.157854313	4354584.0703509	3957.034891545867	3780.5114201952833	3732.02802213928	55.4473070593939	94.3503766836154	94.3503766836154	
14	142	104354	-362361.1413	885457.3170250766	39.29990120875622	-102.0793634	384456.2946857753	4354579.8982789	3951.8133495782	3779.1109564378	3726.07466930074	55.4473070593939	96.3503766836154	96.3503766836154	
15	142	104355	-361701.1413	885457.3170250766	39.2999259081939	-102.0770324	384657.4312532714	4354579.8982789	3946.75782124653	3776.10984205563	3720.34903790463	55.4473070593939	98.3503766836154	98.3503766836154	
16	142	104356	-361041.1413	885457.3170250766	39.29995036817335	-102.074715	384858.5675576072	4354571.687192554	3941.898431311864	3774.99398260637	3713.130617981349	55.4473070593939	100.3503766836154	100.3503766836154	
17	142	104357	-360381.1413	885457.3170250766	39.299975173883705	-102.072038	385059.70389529	4354568.81743028	3937.0274847113674	3774.887047461848	3712.02802213928	55.4473070593939	102.3503766836154	102.3503766836154	
18	142	104358	-359721.1413	885457.3170250766	39.299976717388371	-102.070393	385259.8307776263	4354563.47687219	3932.15953751402	3773.40140163278	3708.02247846717	55.4473070593939	104.3503766836154	104.3503766836154	
19	142	104359	-359061.1413	885457.3170250766	39.29998245886327	-102.067708	385461.974893791	4354571.3425122	3928.453623277383	3772.04309460327	3701.9075808621	55.4473070593939	106.3503766836154	106.3503766836154	
20	142	104360	-358401.1413	885457.3170250766	39.30004873	-102.065377	385663.110474748	4354555.267	3925.91505185327	3770.60241048376	3697.95964258896	55.4473070593939	108.3503766836154	108.3503766836154	
21	142	104361	-357741.1413	885457.3170250766	39.3000731637592	-102.063048	385864.2541390844	4354551.16182033	3923.3751023787356	3769.159033382973	3694.153151250287	55.4473070593939	110.3503766836154	110.3503766836154	
22	142	104362	-357081.1413	885457.3170250766	39.30009754967557	-102.0607158	386065.3796897958	4354547.05	3920.83369024236	3767.61933032026	3690.4142808805	55.4473070593939	112.3503766836154	112.3503766836154	
23	142	104363	-356421.1413	885457.3170250766	39.300121888570736	-102.058348	386266.514336772	4354542.953113172	3922.129584	3768.1987104318	3688.64526766727	55.4473070593939	114.3503766836154	114.3503766836154	
24	142	104364	-355761.1413	885457.3170250766	39.30014613844774	-102.056039	386467.6485423308	4354542.953113172	3917.47784731155	3764.80217272726	3682.3329127175804	55.4473070593939	116.3503766836154	116.3503766836154	
25	142	104365	-355101.1413	885457.3170250766	39.3001704	-102.0537229	386668.784883522	4354543.7512012	3917.38617236216	3763.094482316	3680.074842316	55.4473070593939	118.3503766836154	118.3503766836154	
26	142	104366	-354441.1413	885457.3170250766	39.3001943812881	-102.051392	386869.916	4354530.61417398	3914.41439941861	3761.460791635661	3675.40383973359	55.4473070593939	120.3503766836154	120.3503766836154	
27	142	104367	-353781.1413	885457.3170250766	39.3002187978835	-102.049061	387001.046955827	4354526.53709146	3909.736361529825	3759.736361529825	3672.4006213126283	55.4473070593939	122.3503766836154	122.3503766836154	
28	142	104368	-353121.1413	885457.3170250766	39.30024291277252	-102.0467301	387272.1827580365	4354452.43582153	3902.051298434776	3757.90254671084	3670.746324122247	55.4473070593939	124.3503766836154	124.3503766836154	
29	142	104369	-352461.1413	885457.3170250766	39.30026698249776	-102.0443991	387473.3156600232	4354451.381	3904.69980783304	3755.953331	3670.91618080792	55.4473070593939	126.3503766836154	126.3503766836154	
30	142	104370	-351801.1413	885457.3170250766	39.3002910724405	-102.042081	387674.488	4354451.28525084	3907.348315932145	3753.9030028	3668.72849517814	55.4473070593939	128.3503766836154	128.3503766836154	
31	142	104371	-351141.1413	885457.3170250766	39.3003151866863	-102.039752	387869.74277252	4354451.28525084	3904.69980783304	3751.80248079125	3666.82498107125	55.4473070593939	130.3503766836154	130.3503766836154	
32	142	104372	-350481.1413	885457.3170250766	39.30033812671971	-102.037402	388076.7129051373	4354506.02304051	3907.3564537331	3749.57422028217	3670.02377312197	55.4473070593939	132.3503766836154	132.3503766836154	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgs.fg	BRrElevKgs.ft	SatHdgKgs.fg	SatHdgBoth.ft
115	142	104455	-295071.1413	885457.3170250766	39.30216855247335	-101.843931	254769.79348845422	4354166.186388905	3782.2924170912975	381.43952453553963	397.8020639491506	3508.4422393610753	83.6376040624574	72.99728499432103
116	142	104456	-295041.1413	885457.3170250766	39.30218870520909	-101.841599	254970.90405	4354162.90004354	3778.2558161032053	379.6538949597103	3495.006438765107	3503.457408888857	84.61630171919962	76.1800770905347
117	142	104457	-294981.1413	885457.3170250766	39.302208123098	-101.839248	255172.0158978742	4354133.031380913	3774.219265116426	377.9249485	3492.027238752638	3496.363806348877	85.89202167789948	83.331138333
118	142	104458	-293721.1413	885457.3170250766	39.30222875616026	-101.839377	255373.12593918343	4353.920125335	3770.18273417966154	3576.02363478526	3490.052479000237	3490.861702	85.8905883654535	85.1709034043614
119	142	104459	-293061.1413	885457.3170250766	39.30224888327772	-101.8340606	255574.23623849618	4354146.42677178	3766.5844737386392	3574.225823676664	3488.7190810058796	3488.826448	85.50674199475988	85.4011750440953
120	142	104460	-292401.1413	885457.3170250766	39.30226865913284	-101.8322755	25575.76428601106	4354145.75674842	3763.452523416024	3572.4163641426024	3487.5365757774824	3486.306141	84.8793653612002	86.10993323235242
121	142	104461	-291741.1413	885457.3170250766	39.3022887352357	-101.829944	255976.565411193858	4354141.67415516	3760.3145713588898	3568.216615474007	3482.92258600541	3486.216615474007	85.38813539365936	87.86218337
122	142	104462	-291081.1413	885457.3170250766	39.30230867610852	-101.8278133	256177.5656860483	435371.58629192	3577.174620690115	3578.79159602316	3476.93470596545	3476.93470596545	84.2368903262139	91.9566638589899
123	142	104463	-290481.1413	885457.3170250766	39.30232851986884	-101.8255282	256378.6701984577	4354133.031518585	3569.97107644164	3482.275238752638	3467.4411334256382	3467.4411334256382	84.70187918851752	92.53587421852464
124	142	104464	-289761.1413	885457.3170250766	39.30234835020231	-101.8225511	256578.7841122363	4354129.41565531	3572.05405220398	3565.16161266492	3479.3325430499545	3450.429991571395	85.8209351402828	114.7321610352779
125	142	104465	-289101.1413	885457.3170250766	39.30236805371104	-101.82002	256780.8929638586	435361.2311685173	3579.68591378678	3563.345048955904	3476.079552619349	3421.340554832484	87.26552201125	142.003403
126	142	104466	-288441.1413	885457.3170250766	39.3023775619434	-101.818289	256982.0015741924	4354121.24761395	3574.318421352058	3561.526214696138	3472.2054577272884	378.2798293821193	89.756796858067	182.34263045801792
127	142	104467	-287781.1413	885457.3170250766	39.302407413652105	-101.8159579	257183.1094562143	4354117.16332384	3574.516741932465	3559.70503	3467.252949625876	334.745193246634	82.4520837030841	214.9583638180405
128	142	104468	-287121.1413	885457.3170250766	39.3024270604324	-101.8136268	257384.21807617185	4354110.34904333	3574.38089764133	3557.838495472746	3461.5413927910204	3341.360176274644	82.462342976	216.5232132726319
129	142	104469	-286461.1413	885457.3170250766	39.30244693490556	-101.8112956	257585.3292593036	4354108.9958438	3574.0526925959005	3554.104495316954	3349.279540520884	310.96145237427102	86.7094989897208	226.1476106323501
130	142	104470	-285801.1413	885457.3170250766	39.30246611587196	-101.808945	257786.4336176308	4354104.01204589	3574.017823867847	3554.243633141235	3445.691460149125	3363.45023824462	80.55276192132255	70.7209202677307
131	142	104471	-285141.1413	885457.3170250766	39.3024859322731	-101.8066334	257987.5410289635	4354100.82836279	3574.019622779635	3552.426143204883	3438.332507738247	3389.261373995955	71.09236391310384	163.1674692891046
132	142	104472	-284481.1413	885457.3170250766	39.302505052556954	-101.8042033	258188.6482009604	4354096.75419604	3573.98037226267	3550.611037646566	3426.585746737946	3404.41334875864	72.0425092967715	146.197277881074
133	142	104473	-283821.1413	885457.3170250766	39.302524412860076	-101.8019712	258389.7551382785	4354092.662395854	3573.841735819883	3548.79112495444	3421.32264055747	3383.846125082879	71.4767484369708	164.9530032371644
134	142	104474	-283161.1413	885457.3170250766	39.30254375519833	-101.7996401	258590.8618277858	4354088.979565022	3573.702709234383	3546.991424619161	3410.348057	334.24512308798	73.66334913719143	202.740193716337
135	142	104475	-282501.1413	885457.3170250766	39.3025635239136	-101.797309	258791.9682030136	4354084.49627101	3573.580451595923	3545.18948460837	3407.038738168769	3321.1018243179187	73.181506502773143	248.0587641
136	142	104476	-281841.1413	885457.3170250766	39.3025832461785	-101.7949779	258993.07494957106	4354080.41482086	3572.474905505523	3543.349409	3405.96345625292	3321.247482017958	73.40596273500797	226.1476106323501
137	142	104477	-281181.1413	885457.3170250766	39.30260301181846	-101.792642	259180.19564957	4354072.328298158	3572.36198181625	3542.036575681735	3405.930619201414	3321.247482017958	73.40596273500797	226.1476106323501
138	142	104478	-280521.1413	885457.3170250766	39.30262267399313	-101.7903157	259395.28671502075	4354072.501707375	3572.25379555577	3539.839101821096	3405.5075639561414	3308.08132956408	73.434176558782	231.7570193795172
139	142	104479	-279861.1413	885457.3170250766	39.30263971141885	-101.7879486	259596.391720307	4354068.16830434	3572.02456354263	3538.0840446178655	3405.44513621561	3321.247482017958	73.40596273500797	226.1476106323501
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141	142	104481	-278541.1413	885457.3170250766	39.30267789036136	-101.7832223	259998.602129437	4354060.05105265	3571.82373433419	3534.64927050399	3406.60266506097	3375.14212112750	72.9890040167667	159.50714354248167
142	142	104482	-277881.1413	885457.3170250766	39.30269687243201	-101.7809192	260198.7068023016	4354055.93286589	3572.031679219921	3532.984727500552	3408.0372461116904	3311.707224959327	72.9474813886143	121.2145025051991
143	142	104483	-277221.1413	885457.3170250766	39.3027158926976	-101.7786008	260400.8113554833	4354051.282025858	3571.981731	3531.3611467841465	3407.038738168769	3321.247482017958	73.40596273500797	226.1476106323501
144	142	104484	-276561.1413	885457.3170250766	39.3027347	-101.776329	260601.9156718923	4354047.16784971	3571.921698846825	3529.79352249035	3411.699855202649	3411.699855202649	73.6537630166894	121.2145025051991
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146	142	104486	-275241.1413	885457.3170250766	39.30277235	-101.7716667	261004.123594209	4354039.60004114	3571.692403435285	3526.7854805163392	3428.816536516953	3497.0122317667037	70.9698439938268	29.73248485879897
147	142	104487	-274581.1413	885457.3170250766	39.30279171039311	-101.7693356	261205.2272008912	4354035.520316579	3571.52360497921517	3526.398901847932	3436.9532651950296	348.73407132	73.009507841622053	33.009507841622053
148	142	104488	-273921.1413	885457.3170250766	39.30280981930664	-101.7670045	261406.3505715277	4354031.40185863	3571.372373433419	3523.213036995266	3445.653013028423	3489.5064594954085	78.25929403705235	34.0637203888126
149	142	104489	-273261.1413	885457.3170250766	39.302828466193874	-101.7646734	261607.4339226283	4354027.36	3571.8144851757921	3522.5053958981903	3453.471591712853	3482.544153134229	69.037767030803	39.96520617471385
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151	142	104491	-271941.1413	885457.3170250766	39.30286586326463	-101.7600111	262009.82699251907	4354019.20065057	3571.570421762335	3519.740271264805	3448.1614810732085	3489.5064594954085	78.25929403705235	34.0637203888126
152	142	104492	-271281.1413	885457.3170250766	39.30288421669725	-101.75758	262210.7417	4354015.12191405	3571.52360497921517	3518.367113305395	3456.1599367424046	3434.389780185646	70.7627213487846	43.1115031600576
153	142	104493	-270621.1413	885457.3170250766	39.30290273047885	-101.7553489	262411.84389122005	4354011.42541324	3571.3697174876546	3515.977487670874	3402.122154047	63.0842963506671	114.8704207002737	63.0842963506671
154	142	104494	-269961.1413	885457.3170250766	39.30292114523399	-101.7530177	262612.945849897	4354006.963450367	3571.2367370595871	3512.738049274324	3473.323171932816	63.48857016843931	142.3624013160612	43.1115031600576
155	142	104495	-269301.1413	885457.3170250766	39.3029395196259	-101.7506886	262814.074739691	4354002.84669185	3571.1018228006	3510.257632730314	3450.7795136198908	3398.074609884314	73.4748906	146.129353088126
156	142	104496	-268641.1413	885457.3170250766	39.30295789365459	-101.7483553	263005.1490635763	4353996.60680781	3570.9136525887652	3512.893513740247	3448.774777097166	3394.481710332618	73.6537630166894	121.2145025051991
157	142	104497	-267981.1413	885457.3170250766	39.302976219721972	-101.7460362	263206.228298158	4353992.16784971	3570.781698846825	3510.11991604473	3457.030857702615	3472.690819201414	73.6537630166894	121.2145025051991
158	142	104498	-267321.1413	885457.3170250766	39.30299446198885	-101.7436832	263417.35134058923	4353990.96447178	3570.670151023717	3510.155027164805	3448.5874954042075	3489.5064594954085	78.25929403705235	34.0637203

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatHtKgr.f	SatHtBoth.f
241	142	14581	-212541.1413	885457.3170250766	39.04353217732326	-11.5502051	280107.0490065107	4333562.829838523	3505.969630719015	3334.3188978705618	3340.3424221363375	82.84675656928044	82.84675656928044	
242	142	14582	-211881.1413	885457.3170250766	39.03436769	-11.5478739	280309.0235006014	4335648.767800445	3505.2688976077144	3342.349760166952	3345.673245172135	83.6718952	83.6718952	
243	142	14583	-211221.1413	885457.3170250766	39.034367693706	-11.5456196	280510.1046881587	4335444.435307163	3514.13861987117	3421.487368919683	3349.743454598262	80.043315871011	71.7531337	
244	142	14584	-210561.1413	885457.3170250766	39.03436515570508	-11.5432114	280711.1865543708	4335460.644	3551.787210032626	3420.6014892106095	3341.0430333226	75.580827738339	67.4555170176185	
245	142	14585	-209901.1413	885457.3170250766	39.034108597080	-11.5408802	280912.2681044139	4335366.583	3553.03303484431	3419.688442	3344.624827341251	75.36506101358879	63.66791146899201	
246	142	14586	-209241.1413	885457.3170250766	39.034042518970155	-11.538549	281113.385345706	4335362.521567349	3544.278857701056	3418.7450247405613	3345.473395519488	73.27166518861259	59.56545157591336	
247	142	14587	-208581.1413	885457.3170250766	39.0340439413120065	-11.5362177	281314.043057059	4335362.40489836	3553.03303484431	3419.688442	3345.473395519488	73.27166518861259	59.56545157591336	
248	142	14588	-207921.1413	885457.3170250766	39.034435322240565	-11.5338865	281515.5112	4335324.39904411	3511.569451646805	3417.751633223206	3345.71547685842	73.017642	54.5933411703783	
249	142	14589	-207281.1413	885457.3170250766	39.03446778631516	-11.5315553	281716.591742827	4335363.33891168	3548.347885526854	3415.941322077164	3345.2151888182626	73.017642	54.5933411703783	
250	142	14590	-206501.1413	885457.3170250766	39.03448195338246	-11.529224	281917.621023045	4335316.27840796	3547.1254358592034	3414.5875240758475	3344.556350599104	73.017642	54.5933411703783	
251	142	14591	-205841.1413	885457.3170250766	39.034595942537	-11.5268928	282118.7522773347	4335361.21100592	3544.423801725632	3413.426851198778	3342.73919371663	70.86756166678235	57.2763345	
252	142	14592	-205281.1413	885457.3170250766	39.034510008427975	-11.5245616	282319.8322054056	4335368.157983446	3541.240561466319	3412.209015521426	3341.69990738871	70.5910657327177	58.629092078713256	
253	142	14593	-204621.1413	885457.3170250766	39.03452398240102	-11.5222303	282520.9119485486	4335368.05803485	3538.05722106316	3410.9319272930534	3340.743670271186	70.1882527	58.629092078713256	
254	142	14594	-203961.1413	885457.3170250766	39.0345379134453	-11.5198991	282721.99143063	4335360.038325297	3540.9383262104918	3409.9383262104918	3340.285108661852	70.3495178496979	58.629092078713256	
255	142	14595	-203301.1413	885457.3170250766	39.03451582525841	-11.5179579	282923.0740761356	4335365.97842749	3533.054824445048	3408.94360481046	3340.4286105175174	70.765760848170617	60.531725475842	
256	142	14596	-202641.1413	885457.3170250766	39.0345667414269	-11.5152266	283124.1498493174	4335391.91435291	3525.63213922885	3406.73185289326	3336.65509003638	70.0781052096949	60.9895650315444	
257	142	14597	-201981.1413	885457.3170250766	39.03457947799315	-11.5129054	283325.2287218177	4335366.86272832	3523.19875802222	3405.210300369323	3337.984383786504	67.2259168282189	61.21776664240494	
258	142	14598	-201321.1413	885457.3170250766	39.0345933262227	-11.5105742	283526.3074	4335383.801313705	3531.765376800593	3405.625481568096	3336.6109574807551	64.02261704425854	60.1028611200479	
259	142	14599	-200661.1413	885457.3170250766	39.03460066061754	-11.5082429	283727.385266438	4335379.742540424	3529.482504332319	3401.97868410466	3336.289504145088	64.0691149959527	59.92869659488542	
260	142	14600	-200001.1413	885457.3170250766	39.03462019393065	-11.5059117	283928.4609503735	4335375.68396472	3525.781403894703	3400.26908132638	3336.202814214114	64.0691149	59.92722051383698	
261	142	14601	-199341.1413	885457.3170250766	39.03463424311884	-11.5038084	284129.5407925557	4335371.62550514	3521.26928265605	3398.49715646173	3336.30796849312	63.981497885229	59.909313206286	
262	142	14602	-198681.1413	885457.3170250766	39.03464721242844	-11.5012482	284330.6189864913	4335367.567	3517.15752081761	3396.6643657506	3336.675239271242	63.981497885229	59.909313206286	
263	142	14603	-198021.1413	885457.3170250766	39.03466035591013	-11.499128	284531.659412307	4335369.435926	3514.9247216142	3394.9126391277	3336.742391927468	63.981497885229	59.909313206286	
264	142	14604	-197361.1413	885457.3170250766	39.034674844147414	-11.4965867	284732.7746380597	4335359.451555509	3511.873122	3392.819277417678	3336.742391927468	63.981497885229	59.909313206286	
265	142	14605	-196701.1413	885457.3170250766	39.03468827763916	-11.4942555	284933.852	4335355.39934347	3508.720775839246	3391.8110423926	3336.742391927468	63.981497885229	59.909313206286	
266	142	14606	-196041.1413	885457.3170250766	39.03470166350505	-11.4919242	285134.92899311846	4335351.3363334	3507.568430222518	3388.75194930526	3328.13301923217	63.981497885229	59.909313206286	
267	142	14607	-195381.1413	885457.3170250766	39.0347103990727	-11.489593	285336.0057	4335347.279268149	3506.00519028037	3386.6672234729	3325.1220179505763	63.981497885229	59.909313206286	
268	142	14608	-194721.1413	885457.3170250766	39.03472834480716	-11.4872617	285537.08227590634	4335343.22222916	3503.031056060204	3384.50409874032	3322.167626203671	63.981497885229	59.909313206286	
269	142	14609	-194061.1413	885457.3170250766	39.0347411819381	-11.4848305	285738.1586043886	4335339.15536812	3504.066914902763	3382.346487124263	3320.8096765588167	63.981497885229	59.909313206286	
270	142	14610	-193401.1413	885457.3170250766	39.03475430337776	-11.4825922	285939.10435291	4335335.10776913	3501.077279913	3381.0419135	3319.742391927468	63.981497885229	59.909313206286	
271	142	14611	-192741.1413	885457.3170250766	39.0347680383464	-11.480268	286140.3166155126	4335331.052	3501.608503227837	3379.97580001849	3317.027027692367	63.981497885229	59.909313206286	
272	142	14612	-192081.1413	885457.3170250766	39.03478113224144	-11.4779367	286341.3863064536	4335326.99561211	3498.643068498466	3375.81550948522	3314.234025319156	63.981497885229	59.909313206286	
273	142	14613	-191421.1413	885457.3170250766	39.03479215618195	-11.4756055	286542.4617903518	4335322.93885849	3497.695345649549	3373.676716650374	3312.961556602674	63.981497885229	59.909313206286	
274	142	14614	-190761.1413	885457.3170250766	39.03480753964874	-11.4732742	286743.53701671878	4335318.8838817885	3495.682001920324	3371.576180118893	3312.361308257704	63.981497885229	59.909313206286	
275	142	14615	-190101.1413	885457.3170250766	39.03482024728146	-11.470943	286944.6122142884	4335314.82879313	3492.10259553953	3369.543474178967	3310.087543410834	63.981497885229	59.909313206286	
276	142	14616	-189441.1413	885457.3170250766	39.0348331795567916	-11.4686117	287145.8957292054	4335310.77276913	3489.913813	3367.505491104645	3309.419135	63.981497885229	59.909313206286	
277	142	14617	-188781.1413	885457.3170250766	39.0348461	-11.4662805	287346.7616714249	4335306.71741581	3487.537876352007	3365.554781913245	3308.090018186593	63.981497885229	59.909313206286	
278	142	14618	-188121.1413	885457.3170250766	39.0348589570531	-11.4639492	287547.830502807	4335302.66252514	3476.534918867122	3363.641561555780	3307.0333560300	63.981497885229	59.909313206286	
279	142	14619	-187461.1413	885457.3170250766	39.03487177	-11.461618	287748.9102738871	4335301.67391085	3471.38782326167	3361.769432468506	3306.778374568307	63.981497885229	59.909313206286	
280	142	14620	-186801.1413	885457.3170250766	39.034884538411876	-11.4592867	287949.9842877335	4335304.55248532	3466.311966303858	3359.984470045615	3305.54461723075	63.981497885229	59.909313206286	
281	142	14621	-186141.1413	885457.3170250766	39.03489781547296	-11.4569554	288151.05809471	4335300.48907805	3463.233931406114	3350.407805413909	3304.66826688844	63.981497885229	59.909313206286	
282	142	14622	-185481.1413	885457.3170250766	39.03490959652541	-11.4546242	288352.1316927707	4335304.43739911	3456.14094100244	3356.53740201281	3303.4735959219	63.981497885229	59.909313206286	
283	142	14623	-184821.1413	885457.3170250766	39.03492172397068	-11.4523117	288559.61563015	4335300.48907805	3451.24517190331	3351.942451700331	3302.458174681706	63.981497885229	59.909313206286	
284	142	14624	-184161.1413	885457.3170250766	39.03493516771805	-11.4499617	288754.2786235077	4335303.53656875	3444.6351895187529	3348.709001983245	3301.139378768104	63.981497885229	59.909313206286	
285	142	14625	-183501.1413	885457.3170250766	39.0349477	-11.4476304	288955.351235432	4335347.288131475	3438.660133508901	3351.71119264727	3300.74725263687	63.981497885229	59.909313206286	
286	142	14626	-182841.1413	885457.3170250766	39.0349602176978	-11.4452991	289156.4240047964	4335340.22212104	3430.190836425556	3340.401353912649	3300.97680161398	63.981497885229	59.909313206286	
287	142	14627	-182181.1413	885457.3170250766	39.034976725472317	-11.4429679	289357.4859564737	4335346.174821656	3428.53170282549	3348.70972123804	3308.686508871466	63.981497885229	59.909313206286	
288	142	14628	-181521.1413	885457.3170250766	39.03498506252314	-11.4406366	289585.569091443	4335346.174821656	3427.26159308848	3347.265546189812	3308.102918	63.981497885229	59.909313206286	
289	142	14629	-180861.1413	885457.3170250766	39.03499742554483	-11.4383053	289759.641152861	4335346.174821656	3426.0679887272	3345.855945172643	3306.6874868551</			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft		
367	142	10477	-123981.1413	88.5457	31.70250676	39.305822990573965	-01.2566465	40524.64721469645	43531.4253265623	3348.208855952167	3138.328803890395	3156.6699112082827	3170.594521129404	31.66189272656756	17.73428528153568
368	142	10478	-128721.1413	88.5457	31.70250676	39.306831765942614	-01.2541332	30543.7034535053	43531.40465724525	3346.994843358215	3185.654571531134	3154.0348012602567	3167.05098893046	31.67170252657506	18.60367262267560
369	142	10479	-128691.1413	88.5457	31.70250676	39.306449556302414	-01.2518193	30544.4785953249	43531.40862375446	3347.908623275446	3182.674261708783	3153.424273329481	3163.524228899941	31.57188378311986	19.4523132808851746
370	142	10470	-127401.1413	88.5457	31.70250676	39.305484927173856	-01.2494706	30545.8159348044	43531.30445677310	3342.227921155713	3180.264957081368	3160.06610502446	315.1939557848042	20.21940133638745	
371	142	10471	-126741.1413	88.5457	31.70250676	39.306587942066216	-01.2471393	306246.8718	43531.2631349045	3339.97420381371	3177.5954213248588	3146.255338507286	317.4867396404867	31.34008267125693	21.1154252000918
372	142	10472	-126081.1413	88.5457	31.70250676	39.30658766735458	-01.2448079	306447.9274631414	43531.2632035235	3337.327654392572	3174.8629033173	3143.6001404872114	3153.041713013936	31.29671590296175	21.8570700779573
373	142	10473	-125421.1413	88.5457	31.70250676	39.30587514761441	-01.2424766	306486.982423991	43531.1829909128	3337.919791296383	3172.1903604396362	3140.9369345647672	3149.6325559367006	31.25342554870572	22.5570429498487
374	142	10474	-124761.1413	88.5457	31.70250676	39.3063836284634	-01.2401453	306680.0383319381	43531.1426234844	3332.163176734839	3169.477041640891	3138.202038937617	3147.25007203129758	31.27002703129758	22.12034199764684
375	142	10475	-124011.1413	88.5457	31.70250676	39.30689217384183	-01.2378714	307051.0943407222	43531.1022579191	3326.567143407132	3166.567143407132	3138.5320221153335	3143.8564243279735	31.2229225379735	22.896289013851703
376	142	10476	-123441.1413	88.5457	31.70250676	39.30590518205214	-01.2354826	307252.1493	43531.0618943016	3326.063825434767	3164.023745570367	3132.86286	314.38268	31.15898016973146	23.6374653871194
377	142	10477	-122781.1413	88.5457	31.70250676	39.30690901833636	-01.2331513	3074653.006347838	43531.02135260648	3326.199179176681	3161.2893553423755	3130.1989310282907	3136.9461941762993	31.09044234116583	24.34361116607623
378	142	10478	-122121.1413	88.5457	31.70250676	39.30591737345336	-01.23082	307654.257597768	43530.98117281768	3324.3345352914912	3158.525640636875	3127.4026815616526	3133.536134181297	31.140969075220977	25.015606455576746
379	142	10479	-121461.1413	88.5457	31.70250676	39.305925683502124	-01.2284887	307855.51194211566	43530.90418149368	3322.3194418197186	3155.8138317337953	3124.7135627575876	3129.74446540365	31.10028976207054	26.069385193402087
380	142	10480	-120801.1413	88.5457	31.70250676	39.30593348536655	-01.2261574	30806.3660980285	43530.9045897129	3320.153095863139	3153.072696502568	3122.167769679324	3126.408626998274	30.905091953733292	26.6633841420338
381	142	10481	-120141.1413	88.5457	31.70250676	39.30694216853896	-01.223826	308257.4200657124	43530.8010497531	3317.9883699116062	3153.784416564753	3119.70440451032	3122.89189	30.74365029880332	27.4365029880332
382	142	10482	-119481.1413	88.5457	31.70250676	39.30593034350896	-01.2214407	308458.4738453723	43530.819737694	3315.82382396073	3147.577477421546	3116.62023	3119.6330954545825	30.765851849814577	27.94237927629017
383	142	10483	-118821.1413	88.5457	31.70250676	39.306958473446715	-01.2191634	308659.5274372139	43530.77404253403	3314.373022	3144.818951421265	3114.3073873443286	3116.640373737136	30.511628067936524	28.1797777484752
384	142	10484	-118161.1413	88.5457	31.70250676	39.3059655835217	-01.2168321	308680.5808414412	43530.7654020881	3313.639328663096	3142.050444600246	3114.7943749010246	3113.555032991025	30.2557090497749	28.49541174976663
385	142	10485	-117501.1413	88.5457	31.70250676	39.3059745822531	-01.2145007	309061.6340582595	43530.69870793895	3312.904844120977	3139.2718717056186	3110.1502905840025	3110.4162861643254	30.21526472714	28.85536424239326
386	142	10486	-116841.1413	88.5457	31.70250676	39.30598253006612	-01.2121694	309262.6870878751	43530.638328922	3312.1707535647	3136.483064761933	3106.131981123631	3107.183051691751	30.2018383302043	29.9963107251108
387	142	10487	-116181.1413	88.5457	31.70250676	39.30599054874625	-01.2098381	309463.7939049224	43530.60102609473	3310.627025949404	3133.6841926474067	3103.472439838794	3103.84973223757	29.9351194226394	30.25450645377255
388	142	10488	-115521.1413	88.5457	31.70250676	39.3059894747607	-01.2075067	309634.929651351	43530.5776800131	3308.25477492522	3130.67308461304	3099.786037616612	3100.457017357364	31.0850474488212	30.4160348592399
389	142	10489	-114861.1413	88.5457	31.70250676	39.3059894747607	-01.2051861	309845.949555514	43530.543231236589	3306.859251	3129.7845826816032	3100.457017357364	3100.457017357364	31.0850474488212	30.4160348592399
390	142	10490	-114201.1413	88.5457	31.70250676	39.30610412210591	-01.2028441	310066.8739340305	43530.4907	3303.522819479424	3125.216555437676	3093.052645934466	3093.052645934466	31.0339503021011	31.6531718802194
391	142	10491	-113541.1413	88.5457	31.70250676	39.30602181784894	-01.2005128	310267.94943507796	43530.4566941674	3301.6287444773426	3122.973103372744	3089.6066197198597	3089.6066197198597	31.26648617414684	32.3268058899695
392	142	10492	-112881.1413	88.5457	31.70250676	39.30620626164136	-01.1981814	310469.0013	43530.4163367184	3300.2066834754532	3119.5203648239412	3086.007544848587	3086.325617379955	31.1521897535443	33.1947442986216
393	142	10493	-112221.1413	88.5457	31.70250676	39.306037296045595	-01.1958501	310670.05307701307	43530.360023662	3298.7845248176735	3116.659184063017	3082.394483047583	3082.394483047583	31.264267015434184	34.0349625534189
394	142	10494	-111561.1413	88.5457	31.70250676	39.30604390207228	-01.1935188	310871.1406100857	43530.3336760109	3297.362481476983	3113.7905852694375	3078.684194807505	3078.684194807505	31.14853719032373	34.9225464150435
395	142	10495	-110901.1413	88.5457	31.70250676	39.30605520017654	-01.1918741	311072.1589050968	43530.30333	3296.7094103816673	3110.9139175011018	3077.96086386979	3077.96086386979	31.14853719032373	35.8751788124965
396	142	10496	-110241.1413	88.5457	31.70250676	39.3061737394542	-01.1898561	311273.207	43530.252388284	3293.8259221141	3108.03612465195	3077.101033393151	3077.101033393151	31.122950452686	37.0237950157
397	142	10497	-109581.1413	88.5457	31.70250676	39.30607654177596	-01.1865248	311474.25811687135	43530.2149970906	3291.9413280530935	3105.153914994373	3066.962343775927	3067.078832299961	31.8176340218599	38.07580126047641
398	142	10498	-108921.1413	88.5457	31.70250676	39.3067051862396	-01.1841934	311675.3087046326	43530.1743729203	3290.027368676585	3102.7005	3062.636624761644	3062.636624761644	31.8176340218599	39.1643476295134
399	142	10499	-108261.1413	88.5457	31.70250676	39.30606824280486	-01.1818621	311876.35953067685	43530.1340582416	3288.154195175197	3099.38911306676	3058.474105022475	3058.8255761164432	30.91500804300976	40.5633695032946
400	142	10490	-107601.1413	88.5457	31.70250676	39.3060897245339	-01.1795308	312077.4096907614	43530.0934704545	3286.912905790409	3101.63266567	3054.39541869403	3054.79271145846	41.7834542171837	41.7834542171837
401	142	10491	-106941.1413	88.5457	31.70250676	39.306089711719651	-01.1771994	312278.46071500433	43530.0542489583	3284.90094238253	3093.64524385857	3049.54548496429	3049.54548496429	41.7834542171837	42.7193543783946
402	142	10492	-106281.1413	88.5457	31.70250676	39.3061043926114	-01.1748691	312479.5102949544	43530.027374631	3282.974174260378	3090.78457849452	3047.03989716132	3047.03989716132	41.7834542171837	43.72640179008101
403	142	10493	-105621.1413	88.5457	31.70250676	39.3061116540031	-01.1725388	312680.5601749036	4352.99727889834	3274.79334151544	3087.945780245628	3040.072388132897	3040.072388132897	43.72640179008101	44.59129162169196
404	142	10494	-104961.1413	88.5457	31.70250676	39.3061179955681	-01.1702054	312881.6094296445	4352.993428487536	3276.3901451623738	3085.1198701044195	3041.594174972806	3041.767117405894	43.72640179008101	45.352659295491
405	142	10495	-104301.1413	88.5457	31.70250676	39.306125598880704	-01.1678741	313082.6595546818	4352.989218054009	3273.023896905262	3082.31537	3039.144241974243	3039.283824913093	43.71128184766985	46.3510767700506
406	142	10496	-103641.1413	88.5457	31.70250676	39.306133030271	-01.1655427	313283.70882979174	4352.98518722448	3269.67537865812	3079.533168070133	3036.7436821933316	3037.023301080412	42.7894856771178	47.06968698961545
407	142	10497	-102981.1413	88.5457	31.70250676	39.3061400822306	-01.1632114	313484.75783279614	4352.981157	3268.498188074653	3076.18397903243	3033.47885782152	3033.47885782152	42.7894856771178	48.1734542171837
408	142	10498	-102321.1413	88.5457	31.70250676	39.306147085092248	-01.160871	313685.8095702428	4352.97717621583	3268.051253163117	3074.071892054412	3031.907467144192	3031.907467144192	42.7894856771178	49.1644404292704
409	142	10499	-101661.1413	88.5457	31.70250676	39.30615909551076	-01.1582174	314067.9041708432	4352.96916088471	3265.501759934044	3068.82125766208	3027.8766610071	3027.8766610071	42.7894856771178	50.1644404292704
410	142	10490	-101001.1413	88.5457	31.70250676	39.30616095951076	-01								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatH.Kgms	SatHBoth.f
43	142	14083	-46221.14133	88545.3170250766	-39.30657784156214	-100.962715	33074.32284712314	4532635.252172963	31.51510424524014	292.71452744043774	2936.1855341289165	2937.369886973567	34.4289932746025	35.244640381025
494	142	14083	-45561.14133	88545.3170250766	-39.3065897284057	-100.960336	330975.3566657856	4532631.238355059	31.0306792	296.7167350569391	2934.911071915503	2936.278727578495	36.762861538814	35.385792938602
496	142	14083	-44941.14133	88545.3170250766	-39.30658495959216	-100.9586923	331176.297196966	4532627.234629698	31.2839768898941	2970.7185819282834	2933.9857160814153	2935.75887271641386	35.40186537314586	35.40186537314586
496	142	14083	-44241.14133	88545.3170250766	-39.30658710029706	-100.9557209	331177.4240087576	4532623.211114163	31.28729746854502	2969.760119466688	2933.019370403075	2934.654263280193	35.11269318147515	35.11269318147515
497	142	14083	-43561.14133	88545.3170250766	-39.30659006647508	-100.9533895	331578.457933476	4532619.197844150	31.2658183081504	2968.811624031403	2932.287422416065	2934.083373337267	35.24621962740324	34.72826871
498	142	14083	-42921.14133	88545.3170250766	-39.30659304761958	-100.9510582	3317179.492393746	4532615.184737248	31.267806877515	2967.850686375993	2931.844250352248	2933.442667372028	36.00661802374498	34.40817134039707
500	142	14083	-42261.14133	88545.3170250766	-39.3065959537061	-100.9487268	331980.5249040633	4532611.172	31.23292741793177	2966.880841448807	2931.1974871793177	2932.864291847966	36.8353425048942	34.034622650151
502	142	14084	-41841.14133	88545.3170250766	-39.30659814808126	-100.946394	332181.557230263	4532607.15993748	31.2103585387016	2956.89927819028	2930.563811427728	2931.8829323111537	36.33546147129982	34.01635037847429
501	142	14084	-40941.14133	88545.3170250766	-39.3065963852516	-100.944661	33282.9596292123	4532603.146551375	31.1644987026998	2948.30456559048	2928.70587680375737	2931.2115287287	35.95876714474256	35.95876714474256
502	142	14084	-40291.14133	88545.3170250766	-39.30660147185402	-100.941727	332583.52319753284	4532599.13240905	31.1523426405909	2963.95550980406	2928.870594049524	2930.02547827187	35.52082054718278	35.52082054718278
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504	142	14084	-38301.14133	88545.3170250766	-39.3066124464928	-100.9347386	333186.7203538132	4532587.08930385	31.0914794749288	2961.77022147023	2926.174089284336	2927.7715284675	34.59629328	32.9957907005495
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512	142	14085	-33681.14133	88545.3170250766	-39.30629635124235	-100.918419	334593.9413043414	4532559.021	30.96268975834906	2952.849403485849	2919.5157501218864	2920.3554183150286	33.2633633636264	32.49389517802405
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537	142	14077	-17181.14133	88545.3170250766	-39.3067301608139	-100.8601348	339619.656632287							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt.	BRfEELogKgr.f	BRfEEbothKgr.f	SothKgr.f	SatThBoth.f
619	142	104959	39858.8586730335	885457.3170250766	39.30661774297685	-100.6686923	356103.3780001746	43521.30.9994615335	2942.595858450005	2728.1111213739387	2729.6990716422004	32.0064233090895	30.508472704774176	
620	142	104960	39858.8586730335	885457.3170250766	39.306615200019074	-100.6666309	356304.3926620132	43521.27.009483678	2942.011028857307	2758.451597707971	2727.5447082734483	32.8106414039952	30.904514804629332	
621	142	104961	39858.8586730335	885457.3170250766	39.30661261267777	-100.6644966	356505.4504263815	43521.23.019697401	2943.426071870089	2756.841508243208	2732.517474142115	32.334038101092704	30.9688382937174	
622	142	104962	39858.8586730335	885457.3170250766	39.306609920092914	-100.6619682	356700.29471727686	43521.19.000493839	2940.841114882603	2758.2522080439944	2727.0353504149944	32.3476167060974	30.917103406969074	
623	142	104963	39857.8586730335	885457.3170250766	39.30660730094455	-100.6596368	356907.36442155355	43521.15.004688787	2938.619174444145	2753.766593738548	2720.9378897366355	32.2752726637019	30.96327400191268	
624	142	104964	40238.8586730335	885457.3170250766	39.30660457785264	-100.6573054	357108.4508195853	43521.11.054682075	2937.170007554686	2752.290193	2720.435632903281	31.854801442871	29.92769817726028	
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626	142	104966	41558.8586730335	885457.3170250766	39.3065989656828	-100.6524427	357510.4791173616	43521.03.0394125	2934.041982775542	2740.4407270634347	2720.67048480615	27.2421260178524	28.19940280910773	
627	142	104967	42118.8586730335	885457.3170250766	39.30659613837584	-100.6503113	357711.493097597	43520.99.36496001	2933.426071870089	2754.841508243208	2732.517474142115	25.745247110292916	25.449138973404892	
628	142	104968	42378.8586730335	885457.3170250766	39.30659323514981	-100.64798	357912.5647556966	43520.96.09	2932.322403776035	2746.780549702025	2730.81939074891	15.889548991139402	15.652849439104547	
629	142	104969	42638.8586730335	885457.3170250766	39.3065902689043	-100.6456488	358113.5203819695	43520.91.108200545	2931.6253600756395	2745.308057548442	2733.20894	27.3335610104909715	27.16067366331866	
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635	142	104975	47498.8586730335	885457.3170250766	39.30657165162903	-100.6316044	359319.599312632	43520.67.18253704	2917.596243637317	2738.818582878568	2715.071036966567	17.167508772009	22.7648789502218	
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638	142	104978	49478.8586730335	885457.3170250766	39.30656173	-100.6246663	359922.638898348	43520.55.222114445	2905.709184900574	2734.264284914966	2702.762414813185	27.07035365194733	27.6289252322284	
639	142	104979	50138.8586730335	885457.3170250766	39.30655832745318	-100.622335	360123.6474461144	43520.51.23583846	2903.308112124955	2732.0921584672515	2699.130300242155	26.99945484136853	26.9991822309562	
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649	142	104989	56738.8586730335	885457.3170250766	39.3065218647426	-100.5990213	362133.7642936802	43520.11.38262358	2894.0245565937406	2721.637176894817	2680.057591015028	26.9845914091821	25.91290667	
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656	142	104996	61338.8586730335	885457.3170250766	39.30649631243515	-100.5827018	363540.83690711843	43519.83.496	2855.4304799455	2713.569459	2658.754691570337	26.9473904386807	25.400933839502	
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658	142	104998	62678.8586730335	885457.3170250766	39.30648519782055	-100.5780391	363942.856433004	43519.75.5307948	2852.37474951287	2711.97884107230	2656.3718118773295	26.9574513292399	25.400933839502	
659	142	104999	63338.8586730335	885457.3170250766	39.3064808859513	-100.5757077	364136.86139742	43519.71.57769692	2850.659027158845	2710.0101121270316	2655.0987261223954	26.9501694612177	25.400933839502	
660	142	105000	63998.8586730335	885457.3170250766	39.30647655425447	-100.5737164	364344.8755930094	43519.67.56548794	2849.3773691767638	2708.798040229321	2653.62623658586	26.94343717785364	25.400933839502	
661	142	105001	64638.8586730335	885457.3170250766	39.30647316490454	-100.5716722	364542.918490454	43519.63.54282416	2848.198149489296	2707.68340572085	2652.64082181164	26.938184804541164	25.400933839502	
662	142	105002	65338.8586730335	885457.3170250766	39.30646775557122	-100.5693784	364746.8941214815	43519.59.601072571	2845.810524931227	2706.376907055565	2649.90865113129	26.948513543515	25.400933839502	
663	142	105003	65978.8586730335	885457.3170250766	39.30646323118067	-100.5663823	364947.9038582844	43519.55.61927104	2843.64229685974	2705.1613721947283	2647.8964640753284	26.947667334	25.400933839502	
664	142	105004	66638.8586730335	885457.3170250766	39.3064587267591	-100.5640509	365148.9121271357	43519.51.63751181	2842.552102279434	2703.9440212103896	2647.8404749817967	26.948513543515	25.400933839502	
665	142	105005	67298.8586730335	885457.3170250766	39.30645415291896	-100.5617196	365349.920351895	43519.47.6607						

ix	iy	ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Ln	BR/ElevLogsRt	BR/ElevBothRg	3rdSatAlt	4thSatAlt	5thSatBoth
5	143	105085	-368301.1413	886117.3172025076	39.30148944709933	-102.1003741	323650.16969090924	4354818.166957181	3977.161685	37.90.724783148204	3754.3983740141016	3754.8692146549247	36.326409134102505	35.855568349327941		
6	143	105086	-367641.1413	886117.3172025076	39.3015145252961294	-102.098341	323651.30855207485	4354814.059163189	3977.1844477214183	3753.351693073522	3755.778777715394	3756.2293805074564	35.772915352129	33.1237869896592		
7	143	105087	-366991.1413	886117.3172025076	39.3015339613854224	-102.0967121	323652.446613708125	4354809.951470187	3977.1874584846451	3753.551933070024	3755.854949198711	37.42774537453837	34.42774537453837	30.923598447833384		
8	143	105088	-366321.1413	886117.3172025076	39.3015642960931	-102.093811	323253.55804331985	4354805.84017666	3975.3078307201326	3786.6015647086984	3753.968023223035	3753.6237455951454	33.6772344783321	32.24052172545292		
9	143	105089	-365661.1413	886117.3172025076	39.301589600522725	-102.091001	323454.72299194142	4354801.737	3974.049155158313	3785.221867456856	3750.7729062290229	3751.0224455146245	35.41896123476774	34.199741301161125		
10	143	105090	-365001.1413	886117.3172025076	39.30161452362443	-102.0887191	323655.86067618447	4354797.629694337	3972.7904795964937	3783.7841415522034	3747.8627262437108	3748.1822273602354	35.9871530849251	35.65921491950014		
11	143	105091	-364341.1413	886117.3172025076	39.301639407142635	-102.0863831	323856.99809262425	4354793.522283918	3969.550981621235	3782.459081261235	3744.913358823803	3745.371708735065	35.7452724834187	37.0873724834187	35.7452724834187	
12	143	105092	-363681.1413	886117.3172025076	39.3016642428355	-102.0840471	324058.135252352945	4354789.41471252	3964.32965581291	3781.071338263686	3737.927447743596	3743.96242086077	34.1765935304254	42.63949161903157		
13	143	105093	-363021.1413	886117.3172025076	39.30168932936986	-102.0817252	324267.1614643876	4354785.30965453	3968.48965258429	3779.689549021506	3753.53581809699	3751.855435674755	35.4520226254669	47.8341554540358		
14	143	105094	-362361.1413	886117.3172025076	39.3017137793137	-102.079552	324460.4087733737	4354781.2037574	3953.897574555672	3778.934105767525	3725.266177821196	3725.98121154461	33.0362325452592	32.521289131011326		
15	143	105095	-361701.1413	886117.3172025076	39.3017384000578	-102.0770642	324651.54513877846	4354779.20790911	3948.55423465596	3776.913468545628	3719.554161736792	3720.65421	35.3603680883166	56.259205500789		
16	143	105096	-361041.1413	886117.3172025076	39.3017613567628	-102.0747332	324862.681240110398	4354772.91973993	3943.138435215153	3775.522561990644	3744.023896951485	3715.85851153206	61.1021722954962	59.6640534743816		
17	143	105097	-360381.1413	886117.3172025076	39.30177674632476	-102.0724022	325063.8170803208	4354768.885627988	3947.12455986436	3774.1293558229963	3709.768218848658	3711.495042070736	64.16871369743348	62.63840162		
18	143	105098	-359721.1413	886117.3172025076	39.30181231195115	-102.0700712	325264.9520565649	4354764.78150914	3922.285665613544	3772.733303	3705.503467701304	3707.6891415554196	67.2298305056658	65.0441611575036		
19	143	105099	-359061.1413	886117.3172025076	39.30183683255543	-102.0667742	325466.0870765733	4354760.675	3927.319399196958	3771.331928444289	3701.489412011912	3704.737562673329	68.54962169325658	66.5939762793995		
20	143	105100	-358401.1413	886117.3172025076	39.30186130813752	-102.0654091	325667.223023515	4354756.56971544	3924.085148940476	3769.02271210971	3697.625431	3701.65436937792	72.297202380112	68.2654161194899		
21	143	105101	-357741.1413	886117.3172025076	39.30188573869741	-102.0630781	325868.3678120868	4354752.46478083	3920.3652110175367	3768.53069176862	3693.8724359774606	3693.845150251913	74.63717320122137	69.674116116265		
22	143	105102	-357081.1413	886117.3172025076	39.30191014223502	-102.0607741	326069.49233971792	4354748.36	3916.618511710267	3767.0273684039704	3690.144707994864	3696.2220216621642	76.9217604091467	70.8503662357477		
23	143	105103	-356421.1413	886117.3172025076	39.30193446475032	-102.0584161	326270.6260563271	4354744.25502976	3912.913794964138	3765.627183052248	3686.649068581627	3693.7752334141	78.9771144432615	71.8544961379421		
24	143	105104	-355761.1413	886117.3172025076	39.3019587602433	-102.0560851	326471.7606	4354740.15132328	3924.061058989872	3764.1599559974784	3682.6935139080715	3691.81264782875	81.4686412940668	72.3473121		
25	143	105105	-355101.1413	886117.3172025076	39.30198301771863	-102.0537541	326674.8943314178	4354736.04699734	3920.208322826955	3762.662173272294	3678.3112454027914	3689.9271038706929	82.68203593475	72.68416989160278		
26	143	105106	-354441.1413	886117.3172025076	39.30200771619192	-102.0514231	326874.0726351446	4354731.50333549	3916.356762732395	3761.01959172058	3674.371252527688	3688.85496976665	87.0178717914795	72.236303014748		
27	143	105107	-353781.1413	886117.3172025076	39.30203213554578	-102.0491787	327075.1614643876	4354726.1071687	3916.540733082994	3761.15596730272	3665.28011215677	3681.73914408297	88.7505422219834	74.780522219834		
28	143	105108	-353121.1413	886117.3172025076	39.30205549199059	-102.046761	327276.2941676987	4354723.73	3945.595323135456	3757.660179189097	3677.35534330095	3692.4955680835	90.2687338924041	65.1281238137012		
29	143	105109	-352461.1413	886117.3172025076	39.30207956237107	-102.04443	327477.4267	4354719.832312407	3940.780862601357	3755.66603993529	3669.4261476659033	3703.9124062181	51.7536573717415	71.735837170475		
30	143	105110	-351801.1413	886117.3172025076	39.302103587728915	-102.042099	327678.5591526213	4354715.52917658	3933.819631394013	3753.576927545795	3672.1852281555757	3701.311939	61.39169939	52.2649808626502		
31	143	105111	-351141.1413	886117.3172025076	39.302217258075974	-102.03978	327879.6914386018	4354711.42611395	3956.0083401742838	3751.4012720418827	3673.51708548318	3690.895793452916	60.505478589117	60.505478589117		
32	143	105112	-350481.1413	886117.3172025076	39.30215150338841	-102.037437	328080.82335558734	4354707.2331393	3956.27407763847	3749.176813318943	3673.4551192378403	3682.880803662101	75.72139408110297	66.29570085684252		
33	143	105113	-349821.1413	886117.3172025076	39.30218135053462	-102.035108	328281.85591585465	4354702.728744	3956.540073330017	3748.356858421733	3676.465016119567	3681.04835793865	86.4672921307177	66.76349698585849		
34	143	105114	-349161.1413	886117.3172025076	39.3022137259786	-102.0327749	328483.61102695	4354698.11331538	3956.809472798379	3744.654502189857	3671.134105296398	3679.53417389238	93.753417389238	72.9121846075		
35	143	105115	-348501.1413	886117.3172025076	39.3022330918888	-102.0304439	328684.2175576283	4354695.01609779	3947.4527466241847	3742.4010552949653	3669.7693138333675	3656.794381105875	92.732174146159781	85.6306417438683		
36	143	105116	-347841.1413	886117.3172025076	39.302264794409974	-102.0281128	328885.34894782	4354690.14707418	3945.40540847391	3740.138223807491	3668.4307974925	3652.90078065439	71.70352546190585	87.23471621620931		
37	143	105117	-347181.1413	886117.3172025076	39.30227056048089	-102.0257818	329086.4790634822	4354686.81224022	3944.458317062675	3737.880297511525	3667.3901595944033	3651.797130726895	90.4901372626414	86.08316796208303		
38	143	105118	-346521.1413	886117.3172025076	39.30229416978324	-102.0234508	329287.60942827605	4354682.71	3938.466093280556	3735.63838058586	3666.440738517765	3644.400738517765	97.1884853627937	91.2009928467208		
39	143	105119	-345861.1413	886117.3172025076	39.302321779	-102.0211797	329488.7953469624	4354678.69165364	3935.766241956132	3733.37730089787	3663.652994077447	3643.97134801196	67.761736202228	96.4703817		
40	143	105120	-345201.1413	886117.3172025076	39.30234135053462	-102.018787	329689.893289387	4354674.5017687	3936.540733082994	3732.4523798127	3658.28011215677	3681.73914408297	93.753417389238	72.9121846075		
41	143	105121	-344541.1413	886117.3172025076	39.302365899421659	-102.0164577	329890.9897307536	4354670.40686179	3931.951284214677	3728.935254237128	3665.92497221583	3649.574723242084	96.7898188150636	74.780522219834		
42	143	105122	-343881.1413	886117.3172025076	39.3023883052589	-102.0141266	330092.1283054412	4354666.300633083	3928.54530436355	3727.763698023853	3664.80453823959	3652.27603947875	61.845870742616	74.450328954974		
43	143	105123	-343221.1413	886117.3172025076	39.302411820312386	-102.0117956	330293.2538021062	4354662.205331835	3926.542075	3724.529968583647	3664.688724031223	3653.98432254372	64.9841161342327	70.5457431463793		
44	143	105124	-342561.1413	886117.3172025076	39.30243521534861	-102.0094465	330494.3861975624	4354658.10485952	3924.946094525216	3722.466226124273	3664.284634527047	3655.9364124239076	60.9186808720046	66.9793473151767		
45	143	105125	-341901.1413	886117.3172025076	39.30245856351615	-102.0071338	330695.51457754733	4354654.05057951	3923.30511276924	3720.17684183239	3658.3677738	3655.9364124239076	56.40410392547892	64.2400475699104		
46	143	105126	-341241.1413	886117.3172025076	39.30248187035111	-102.0048025	330866.6436030527	4354649.904	3921.7541329146055	3718.01058547468	3657.6407139331	3654.338368170337	56.40410392547892	64.2400475699104		
47	143	105127	-340581.1413	886117.3172025076	39.30250699421659	-102.002514	331075.1614643876	4354645.0006919	3919.845810006919	3716.935277748011	3656.040406987684	3652.27603947875	61.845870742616	74.450328954974		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
131	143	105211	-285141.1413	886117.3170250766	30.30429822963351	-101.8066588	257991.63151016086	4354302.104047844	3740.730649	35562.47065	3430.2153798401578	3730.78248080936306	122.2608530353217	181.6935860505932
132	143	105212	-284841.1413	886117.3170250766	30.30431766245308	-101.8043273	258192.73848075298	4354298.021046206	3738.513700713398	35640.647132246458	3418.9128249996923	3390.1582727424935	131.7230072594751	160.4841907156452
133	143	105213	-283821.1413	886117.3170250766	30.30432596256244	-101.801891	258303.84512161984	4354293.388	3738.296182913433	3548.8132368433	3407.80469431808991	3378.831931808991	141.7476611930485	169.8745185370422
134	143	105214	-283161.1413	886117.3170250766	30.304356303027255	-101.799665	258589.95170478418	4354328.5472228	3734.07890153009154	3550.6679079406065	3394.962581970066	3341.392890640666	148.9635154354005	190.5590136025395
135	143	105215	-282501.1413	886117.3170250766	30.30437569077131	-101.7973338	258796.05795863652	4354285.71849992	3735.1704828911787	3545.1704828911787	3396.742425711311	3313.49207	148.24805718040154	225.7677826217327
136	143	105216	-281841.1413	886117.3170250766	30.30439434488376	-101.7950026	258987.163973084	4354281.88997073	3729.61862501896	3542.3621338615444	3397.940193804622	3311.631001660211	145.42190150692227	231.9236231784478
137	143	105217	-281181.1413	886117.3170250766	30.30441415117842	-101.7926715	259198.26975103497	4354277.6068496	3727.383490441212	3541.565544682763	3398.8813421159425	3310.53367393324	142.6842036468207	231.031274344298
138	143	105218	-280521.1413	886117.3170250766	30.30443313841386	-101.7903403	259399.35728999514	4354273.53419679	3725.1483656701313	3539.7359285629363	3398.466284400862	3308.6373369184194	140.712719892737	231.1462191094418
139	143	105219	-279861.1413	886117.3170250766	30.30445251477726	-101.7880091	259600.4669105892	4354231.6181984	3723.940068676727	3538.918554813673	3398.918554813673	3311.631001660211	138.0915897862699	225.8887719248355
140	143	105220	-279201.1413	886117.3170250766	30.30447150406599	-101.785678	259801.589545713	4354265.3608476	3723.57810423245527	3538.79243245527	3400.845907219084	3338.389205	135.4254351264432	197.875826564248
141	143	105221	-278541.1413	886117.3170250766	30.30449053166755	-101.7833468	260021.69048037197	4354261.278671075	3723.5771800428774	3534.565329	3402.6404258741536	3377.27745500904	131.9249026286652	197.25185800207382
142	143	105222	-277881.1413	886117.3170250766	30.30450951422189	-101.7810156	260203.795069108	4354257.197150331	3723.3967366259524	3532.886907076596	3405.297720203531	3410.4033757395793	127.5891750012856	122.4423231189682
143	143	105223	-277221.1413	886117.3170250766	30.304528451749015	-101.7786844	260404.89942059395	4354253.115822639	3724.6051850453473	3531.2469895103876	3410.0152129146845	3433.9505693027206	121.7317585957006	97.2963496376317
144	143	105224	-276561.1413	886117.3170250766	30.30454734424883	-101.7763533	260606.0033531304	4354249.03468798	3727.2055250310626	3529.465783399668	3415.961897783373	3401.460478417525	113.6658977619372	69.1604125821428
145	143	105225	-275901.1413	886117.3170250766	30.30456619712316	-101.7740221	260823.101033747	4354244.953748377	3725.805897724843	3528.08587724843	3423.0910973951973	3460.40149882452	116.949780526634	37.6843700028884
146	143	105226	-275241.1413	886117.3170250766	30.30458498416648	-101.7716809	261008.21105499248	4354240.813	3725.4620358124923	3526.36123650996	3431.205432120844	3502.011802421727	95.3540933743152	41.541056317823168
147	143	105227	-274581.1413	886117.3170250766	30.304603751884246	-101.7693597	261209.3140640626	4354236.792442227	3721.074098543638	3525.0679888926564	3439.339045218379	3502.319591913453	85.7289434742776	22.74844110131073
148	143	105228	-273921.1413	886117.3170250766	30.30462246397458	-101.7670285	261410.2147629963	4354232.710279678	3726.80530315601	3523.6005903758937	3446.95310843596	3461.91609196166	75.926593409966	27.44884105499274
149	143	105229	-273261.1413	886117.3170250766	30.30464113133744	-101.7646973	261611.52066319377	4354228.631910138	3722.0099106576	3522.1537299584134	3452.944162200474	3485.708090118237	69.2095677579393	36.4456393859636
150	143	105230	-272601.1413	886117.3170250766	30.304659575367285	-101.7623662	261812.6236106464	4354224.551933599	3724.51140911915	3520.725569711283	3456.534717	3475.4659341887495	41.785233	45.2563582327875
151	143	105231	-271941.1413	886117.3170250766	30.30467833096071	-101.760035	262013.72572351173	4354220.472150051	3726.0286889495	3519.3928721068	3457.614211088066	3464.354942609081	61.68869012941825	54.9479286600491
152	143	105232	-271281.1413	886117.3170250766	30.3046968326099	-101.7577038	262218.72576507449	4354216.392595949	3708.022476372656	3517.891684	3456.914736615335	3465.173568106875	60.47487055864	62.7132366051235
153	143	105233	-270621.1413	886117.3170250766	30.3047152948169	-101.755438	262423.536972285	4354212.618468984	3708.398297696858	3508.97443394128	3448.71474387425	3480.13309398968	58.38717882538735	52.1889748105746
154	143	105234	-269961.1413	886117.3170250766	30.30473372973873	-101.7530414	262617.0317003762	4354208.233467299	3698.3059573485706	3515.01847448494	3454.226392789423	3393.874218203035	60.85050819	121.2071923453579
155	143	105235	-269301.1413	886117.3170250766	30.304752189936096	-101.7507102	262818.1332218776	4354204.15949652	3697.4525392386173	3513.67930355812	3452.988932188882	3379.0588624224006	60.85050819	134.620441368321
156	143	105236	-268641.1413	886117.3170250766	30.30477054210575	-101.748379	263019.23451160407	4354200.07126693	3700.523517514169	3512.280485657957	3451.927058939438	3411.351864233904	60.35342671851867	100.9286214229699
157	143	105237	-267981.1413	886117.3170250766	30.30478884924769	-101.7460478	263220.335565828	4354195.99701227	3703.62148597527	3510.884156353467	3450.7634215050916	3461.273484837014	65.56124039543077	106.62173484837014
158	143	105238	-267321.1413	886117.3170250766	30.30480711136183	-101.7437166	263421.4368360847	4354191.910684315	3706.719474037658	3509.439558583845	3450.128228533407	3455.392225107389	59.36142733004284	54.16043037310601
159	143	105239	-266661.1413	886117.3170250766	30.30482529414815	-101.741385	263622.536972285	4354187.94689875	3708.398297696858	3508.97443394128	3448.71474387425	3480.13309398968	58.38717882538735	52.1889748105746
160	143	105240	-266001.1413	886117.3170250766	30.3048435005156	-101.7390543	263823.536972285	4354183.76277916	3708.022476372656	3508.70739502287	3448.047367122977	3461.273484837014	65.56124039543077	106.62173484837014
161	143	105241	-265341.1413	886117.3170250766	30.30486162754626	-101.7367231	264024.7375448947	4354179.684295065	3708.86488000374	3505.319100800149	3448.039625931094	3460.31968955615	60.85050819	144.9992316430397
162	143	105242	-264681.1413	886117.3170250766	30.30487979548986	-101.7343919	264225.83174312453	4354170.10644085204	3709.10644085204	3504.8318790011266	3447.843073397686	3458.856757290746	60.85050819	144.9992316430397
163	143	105243	-264021.1413	886117.3170250766	30.30489775	-101.7320067	264426.9307804607	4354171.529796329	3708.216453368323	3502.5471916079186	3447.339505098886	3456.9597988937	55.2061155	45.5874117854176
164	143	105244	-263361.1413	886117.3170250766	30.30491573470434	-101.7297295	264628.0360502804	4354167.45521041	3706.198861513405	3501.1681814143355	3446.845160264649	3454.350178997903	54.23203114903436	46.8173021465073
165	143	105245	-262701.1413	886117.3170250766	30.30493369533917	-101.7273983	264828.159693735	4354163.73483848	3704.181278	3499.794637107664	3446.113013599903	3449.600997897322	53.79550660705105	50.1939372788461
166	143	105246	-262041.1413	886117.3170250766	30.3049518377509	-101.725067	265030.2346912357	4354159.208549142	3702.163893393979	3498.426118515527	3444.62528691458	3460.207467354695	52.1889748105746	52.1889748105746
167	143	105247	-261381.1413	886117.3170250766	30.304969444142436	-101.7227358	265231.3337373553	4354155.22185511	3698.965965119969	3497.062404999447	3442.75000774077	3463.61997240064	54.3054041756349	54.3054041756349
168	143	105248	-260721.1413	886117.3170250766	30.30498752597691	-101.7204046	265432.4318641434	4354151.145387573	3697.5992927765394	3505.7028572951504	3440.710258318849	3441.4070713914456	54.9925897630145	54.9925897630145
169	143	105249	-260061.1413	886117.3170250766	30.30500502728322	-101.7180734	265633.5031	4354147.069037853	3695.228896413373	3494.3689864539375	3438.8826360457417	3439.37093384486	54.9925897630145	54.9925897630145
170	143	105250	-259401.1413	886117.3170250766	30.30502274456131	-101.7157422	265834.6215821580206	4354142.993	3692.858457105927	3492.9632637163475	3436.8657032542397	3439.37093384486	54.9925897630145	54.9925897630145
171	143	105251	-258741.1413	886117.3170250766	30.305040421311726	-101.713411	266035.729	4354139.819994634	3690.377020197196	3490.6402866438475	3435.29141310192	3465.870427291616	56.34913434951562	56.34913434951562
172	143	105252	-258081.1413	886117.3170250766	30.30505805301932	-101.7109174	266236.823159521	4354136.41262287	3690.78404681742	3490.265365940512	3432.653579534387	3433.283932	57.0247338481965	57.0247338481965
173	143	105253	-257421.1413	886117.3170250766	30.30507613912917	-101.7084714	266438.5000241131	4354133.61834584	3690.78404681742	3490.265365940512	3432.653579534387	3433.283932	57.0247338481965	57.0247338481965
174	143	105254	-256761.1413	886117.3170250766	30.30509381391392	-101.7059174	266639.1545254554	4354130.360736096	3682.601100669684	3487.3676030025	3427.759102977285	3428.555091117167	58.108184132	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	BR/SatElev.ft	BR/SatBoth.ft
257	143	105337	-201981.1413	886117.3170250766	39.30639216771146	-101.1529231	283329.2938770376	4333789.108074803	3330.2195577402235	3330.577507090789	3334.9157956271342	3341.1160814889284	38.66711714635648	62.41624560216049
258	143	105338	-201321.1413	886117.3170250766	39.306405926936705	-101.1505918	283330.3723253004	4333786.048895231	3330.196684067045	3341.9640171356827	3334.1074260741155	3340.535825940138	61.42819119644494	61.42819119644494
259	143	105339	-199701.1413	886117.3170250766	39.30641984108146	-101.1508268	283373.4508602401	4333785.989016448	3528.428027763144	3330.288923991454	3333.701751574905	3338.914637178531	61.37418397680476	61.37418397680476
260	143	105340	-200001.1413	886117.3170250766	39.306433310195324	-101.1505292	283332.5268128281	433377.9631125655	3524.91356526731	3338.5511771967745	3333.5661717967745	3336.9592356777	64.89965786	60.913203
261	143	105341	-199341.1413	886117.3170250766	39.30644683427828	-101.1503597	284133.606432153	433377.8275266869	3512.399303870463	3336.752400319427	3333.487049334131	3336.4570232927485	61.26735988527403	60.2952173939141
262	143	105342	-198681.1413	886117.3170250766	39.30646051333033	-101.1501266	284334.6804389054	433376.814120354	3517.8849419332632	3334.893042589032	3333.47154357565	3335.483195817827	59.4009302027841	59.4009302027841
263	143	105343	-198021.1413	886117.3170250766	39.30647047351415	-101.1489933	284535.7614311635	433376.7475900608	3515.169373128919	3332.992177803936	3333.0106909	3334.1581777938764	59.1520834553603	58.81708001551942
264	143	105344	-197361.1413	886117.3170250766	39.30648735634155	-101.1466604	284736.83861519943	433376.6078983828	3513.2259746581	3331.000157486885	3331.01967689799	3331.693876865764	59.98027905888694	59.98027905888694
265	143	105345	-196701.1413	886117.3170250766	39.30650098030063	-101.1442427	284937.9156821208	433376.56049537975	3511.3358218011685	3330.915421166784	3329.614867644655	3328.5876918658985	60.95854742023274	60.95854742023274
266	143	105346	-196041.1413	886117.3170250766	39.30651437922874	-101.1491414	285138.923424002	433375.824151923	3514.919461572039	3336.893155074719	3324.895717809542	3325.4139041466236	61.9969332211515	61.9969332211515
267	143	105347	-195381.1413	886117.3170250766	39.30652773312577	-101.1489610	285340.0688995958	433375.8452407817	3508.03348673296	3384.73392747461	3322.235713205128	3322.43582938367	62.356706951285	62.31945023327397
268	143	105348	-194721.1413	886117.3170250766	39.3065410491971	-101.1487278	285541.14522517787	433374.4476716582	3517.19719681484	3382.623340190666	3319.147175724017	3319.7414584970945	61.7361446685115	62.81816937717
269	143	105349	-194061.1413	886117.3170250766	39.30655430582555	-101.1484475	285742.2213	433374.0410565105	3506.324865898973	3336.7256151447314	3317.387013276232	3317.387013276232	63.0694858046413	63.0694858046413
270	143	105350	-193401.1413	886117.3170250766	39.30656762463026	-101.1482616	285943.2972614823	433373.3537857475	3506.470541516641	3378.28513674827	3313.4983936433036	3313.28513674827	64.7862003152335	63.0017793019878
271	143	105351	-192741.1413	886117.3170250766	39.30658098944283	-101.1480249	286194.372964347	433373.2279108498	3503.92059059849	3376.122443774326	3313.1959216	3313.2891947047834	64.833248242598939	62.833248242598939
272	143	105352	-192081.1413	886117.3170250766	39.30659387144228	-101.1477936	286345.4844596224	433372.824032336	3501.6747381092364	3373.9812607157487	3310.267738015434	3311.748702973055	63.1332270072566	62.22348118443194
273	143	105353	-191421.1413	886117.3170250766	39.3066091085443	-101.1475623	286546.5237371976	433372.78183309	3499.145355519246	3371.87374712564	3308.8603715869917	3310.36629916132	63.1402558667228	61.5074701124215
274	143	105354	-190761.1413	886117.3170250766	39.3066194953336	-101.1473291	286747.598082596	433372.74229349	3497.183212975413	3369.810279672572	3308.1547194143736	3309.110576287628	61.6555096609234	60.6997027875910
275	143	105355	-190101.1413	886117.3170250766	39.30662394318106	-101.1470957	286948.6736693525	433371.670232406	3493.28041957544	3367.79862634523	3307.2891988925242	3308.21886205769	60.5094275326651	59.5794739662474
276	143	105356	-189441.1413	886117.3170250766	39.30664589179749	-101.1468283	287149.7483	433371.021603602	3487.7206325497	3365.63094728341	3306.200751082117	3307.60857344924	59.642403262881	58.234437353488534
277	143	105357	-188781.1413	886117.3170250766	39.30665875938261	-101.1466297	287350.82724552	433370.7091	3482.16083132789	3363.945735606345	3305.795184450973	3305.795184450973	59.156910966167	56.3815741865925
278	143	105358	-188121.1413	886117.3170250766	39.306671653936045	-101.1463957	287551.899649847	433370.305746237	3476.6017959530753	3360.247959530753	3305.881953500656	3307.536632498016	58.22860518785	54.5679586827376
279	143	105359	-187461.1413	886117.3170250766	39.30668467458884	-101.146164	287760.914815623	433369.892953444	3470.99583013957	3360.746581486833	3304.99471772626	3305.92986746837	58.15286117895	52.3501104531746
280	143	105360	-186801.1413	886117.3170250766	39.30669723594991	-101.1459301	287954.0448374795	433369.795501045	3465.736942506154	3358.584093878445	3305.50283218621	3306.91238097495	58.012851386256	51.6717028094527
281	143	105361	-186141.1413	886117.3170250766	39.30670964905957	-101.1456978	288151.118438077	433369.790604159	3460.34691406027	3356.803403880945	3304.794373186708	3306.8264085945	57.8210666301983	50.04192353435394
282	143	105362	-185481.1413	886117.3170250766	39.306722637837815	-101.1454605	288356.19183512684	433368.768335932	3454.951284408974	3355.2719355482463	3304.7747968339013	3307.099158141352	50.4973173435056	48.172774089451
283	143	105363	-184821.1413	886117.3170250766	39.30673527124594	-101.1452309	288557.260523599	433368.631963423	3450.80016256516	3353.688392734036	3304.775972007512	3306.88392251882	48.6251071521397	46.8251071521397
284	143	105364	-184161.1413	886117.3170250766	39.30674789	-101.1449978	288758.3380044115	433367.975778928	3443.615284040155	3352.150037493717	3304.8437327045476	3308.2247371626424	47.30630478916919	45.0600479827591
285	143	105365	-183501.1413	886117.3170250766	39.30676042433375	-101.1447466	288959.410777162	433367.523794441	3437.850515433191	3350.85251433191	3304.99471772626	3305.92986746837	47.151286117895	42.3501104531746
286	143	105366	-182841.1413	886117.3170250766	39.30677329123605	-101.1445152	289160.93241559	433367.416999747	3432.0858116919804	3349.1992917016432	3303.0526150227497	3308.24100682613	46.915797935373	40.9518533381916
287	143	105367	-182181.1413	886117.3170250766	39.30678535	-101.1442938	289361.5556962984	433366.416939442	3427.9236299381946	3347.812858625767	3305.5757200285974	3307.616770274057	42.2055656397933	40.1196077801701
288	143	105368	-181521.1413	886117.3170250766	39.30679776275216	-101.1440625	289562.6279475867	433365.362978904	3425.3639413482474	3346.398413482474	3306.28743732426	3307.9747483	40.1116614504479	38.423903540941594
289	143	105369	-180861.1413	886117.3170250766	39.30681012559572	-101.1438321	289763.698982401	433365.309758358	3422.844393625734	3345.0486948273833	3307.3544271948836	3307.925170523865	37.6942676234996	37.12352430409783
290	143	105370	-180201.1413	886117.3170250766	39.30682244413568	-101.1435989	289964.71629037	433365.256792777	3420.2409446991123	3343.730245465976	3306.7478253709073	3308.668287382806	36.94293917596026	35.061973168316945
291	143	105371	-179541.1413	886117.3170250766	39.30683471728005	-101.1433658	290165.8415855706	433365.20389156	3419.639775589511	3342.441161091483	3308.225771626424	3308.3574917319583	32.8216864474387	33.0831849569289
292	143	105372	-178881.1413	886117.3170250766	39.30684704535854	-101.1431272	290369.514815623	433364.151249485	3418.99583013957	3341.19017290413	3307.925170523865	3308.225771626424	32.8216864474387	32.8216864474387
293	143	105373	-178221.1413	886117.3170250766	39.306859128473605	-101.1428959	290567.9855893128	433363.08798757	3418.0240428824	3339.822211519837	3308.520037518937	3308.520037518937	32.1241653515066	35.702527639289284
294	143	105374	-177561.1413	886117.3170250766	39.30687126552292	-101.1426646	290769.055691054	433363.040534969	3412.6891974343903	3338.7375217293575	3303.6964781254915	3307.3407024452175	35.0410436	38.39619284020994
295	143	105375	-176901.1413	886117.3170250766	39.306883359540436	-101.1424333	290970.127381314	433363.94466105	3412.453190502133	3337.549429413715	3301.625490199691	3297.438491999691	35.042504021	40.10969619
296	143	105376	-176241.1413	886117.3170250766	39.30689504752623	-101.1422019	291171.1971279689	433363.924899164	3411.3631368405051	3336.306697835166	3329.9282702595365	3295.0325953999917	35.042504021	40.10969619
297	143	105377	-175581.1413	886117.3170250766	39.306907410480214	-101.1419670	291372.26806607203	433363.924899164	3410.89549929929	3335.2297302106103	3329.008329692358	3290.836920012283	32.2340421225772	44.345741818938405
298	143	105378	-174921.1413	886117.3170250766	39.30691936840441	-101.1417339	291573.339051275	433362.93441015	3405.984172199277	3334.0958142751734	3295.394418097163	3297.003503658455	38.7139618796111	37.0252639093189
299	143	105379	-174261.1413	886117.3170250766	39.30693128433274	-101.1415006	291784.289179079	433362.8419819907	3405.984172199277	3334.0958142751734	3295.394418097163	3297.003503658455	38.7139618796111	37.0252639093189
300	143	105380	-173601.1413	886117.3170250766	39.30694341915137	-101.1412766	291975.477651100	433362.747300457	3405.984172199277	3334.0958142751734	3295.394418097163	3297.003503658455	38.713961879611	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogs.kg	BRiElev.kg	LogSurf.kg	SurfBoth.ft
383	143	105483	-118821.1413	886117.3170250766	39.307771198353976	-101.2191738	308663.5673782304	4332379.163087904	3127.268094841349	3145.0657049884137	3116.7713114341377	30.48842063442089	28.2943935007179396	
384	143	105484	-118611.1413	886117.3170250766	39.307771923546549	-101.2168247	308664.6205803247	4332375.128696876	3316.1644352470043	3127.272894356647	3112.118478354685	30.1568660178186	28.556182295582875	
385	143	105485	-117801.1413	886117.3170250766	39.30787232384383	-101.146111	308665.9739754524	4332371.993324876	3139.460776014066	3139.460776014066	3112.4387097058932	29.7832932689530176	28.730469492300176	
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387	143	105487	-116181.1413	886117.3170250766	39.307803268599216	-101.2098483	309467.7790747386	4332363.024162326	3312.511581852095	3133.8300669486215	3103.607425933285	30.22323717228343	29.70862960622327	
388	143	105488	-115521.1413	886117.3170250766	39.30781117537695	-101.2075169	309668.8312656586	4332359.989800357	3309.832491229068	3130.965198700025	3097.9712821171156	30.100821894	30.12523712594685	
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430	143	105510	-87801.1413	886117.3170250766	39.30810251719889	-101.1095982	318112.868835094	4332309.724	3226.031809490306	3032.76158991				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatThKgr.f	SatThBoth.f
50	143	105589	-35661.14133	886117.1370250766	39.30845327983018	-100.92541963	333994.8624191967	4325772.25407703	3105.744151928699	2956.663878902503	2922.3805032560595	2924.1448652344005	34.28337565	32.51901365910271
510	143	105590	-35601.14133	886117.1370250766	39.308437690633795	-100.9230048	333944.59138936	4352768.203092915	3104.27172790304	2955.408493956655	2922.062479439394	2923.534477582363	34.26017451731695	31.9540119637429145
511	143	105591	-34341.14133	886117.1370250766	39.30845330528711	-100.920754	334396.9248149095	4352764.232293178	3101.473086129528	2954.294168	2922.98024761478	2922.33326334865102	31.898143486581102	31.898143486581102
512	143	105592	-33691.14133	886117.1370250766	39.30844237713691	-100.918422	334597.95554549883	4352760.216686257	3077.705283289546	2953.0662408634193	2920.334485620615	2921.115933731228	32.75149221	31.97037132191465
513	143	105593	-33021.14133	886117.1370250766	39.3084465283641	-100.9160066	334798.98627834977	4352751.212695165	3051.2725981417	2951.873864153762	2919.2036905427103	2919.9167409078826	32.6699963110572	31.9120550587944
514	143	105594	-32361.14133	886117.1370250766	39.3084468350117	-100.9137591	335000.0168420515	4352752.2010248	3089.103293349279	2950.690485822987	2918.04587648297	2918.077898544917	32.627020932189	31.96205037381687
515	143	105595	-31701.14133	886117.1370250766	39.3084490913119	-100.9114277	335201.04724140663	4352748.91006545	3086.7256306291635	2949.42898680121	2916.5781873020494	2917.2820680969643	32.6171129932643	32.2100961
516	143	105596	-31041.14133	886117.1370250766	39.30845120972613	-100.9090963	335244.0775	4352744.18160303	3085.192358883704	2948.3587416071707	2914.6954780848564	2914.62508695933	32.603252825432	32.01064647775795
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520	143	106060	-28041.14133	886117.1370250766	39.3084592176043	-100.8997706	336206.19684318616	4352728.143678173	3078.0327605082927	2944.174205634616	2901.4993206657514	2901.6073084242144	42.6748849971328	42.5668972392478
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522	143	10602	-27081.14133	886117.1370250766	39.30846311	-100.8951077	336608.2556585845	4352710.12705565	3069.397558	2942.1350592022	2894.335248910366	2894.1745932649313	47.79884715798543	47.9585374409078
523	143	10603	-26421.14133	886117.1370250766	39.3084645292104	-100.8927763	336809.2946884341	4352716.11569276	3068.1484429987106	2941.107713156424	2891.1108945110996	2890.42981330588	49.79868780452481	50.3647899850435
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525	143	10605	-25101.14133	886117.1370250766	39.30846845	-100.8881134	337211.3424570902	4352708.101098772	3056.792186870083	2939.03732337694	2889.459963580654	2892.418784234797	51.679694291539	51.619210028969
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528	143	10608	-23121.14133	886117.1370250766	39.30847318416016	-100.8811191	337814.4272919103	4352697.07834359	3052.69374730576885	2935.8809247776644	2887.836280578446	2887.677139518623	48.044441991875	48.044441991875
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536	143	10616	-17841.14133	886117.1370250766	39.30848456	-100.8624677	339422.648896219	4352664.021155394	3053.493181961925	2925.832978191156	2863.86478758235	2863.86478758235	66.98090943830005	66.98090943830005
537	143	10617	-17181.14133	886117.1370250766	39.30848575919961	-100.8601383	339623.6788132885	4352660.61830494	3053.11217869295	2924.738047990793	2861.180423	2862.022977623776	68.4589473097495	68.4589473097495
538	143	10618	-16521.14133	886117.1370250766	39.30848704228177	-100.857408	339820.594594557	4352656.121098772	3054.792304204	2923.657511719714	2859.780304204	2859.780304204	69.7379268954305	69.7379268954305
539	143	10619	-15861.14133	886117.1370250766	39.30848801832569	-100.8554734	340025.7291786176	4352652.007160613	3048.511749423913	2921.366772671705	2856.27982763559	2857.0034234768377	69.80780919516115	69.80780919516115
540	143	10620	-15201.14133	886117.1370250766	39.30848907	-100.853142	340226.755627768	4352648.018756045	3054.30597505455	2919.859180620432	2854.002954441961	2854.002954441961	65.496349312048	65.496349312048
541	143	10621	-14541.14133	886117.1370250766	39.3084900831252	-100.8508106	340427.7819	4352645.96780543	3052.339626071559	2918.342906717794	2852.23805450243	2853.36684407338	65.1052361253656	64.976427244569
542	143	10622	-13881.14133	886117.1370250766	39.3084910500373	-100.8484791	340628.8080602894	4352639.92	3054.338218392629	2916.819894714338	2851.4099967129614	2853.84416791328	65.40998	62.975572300744
543	143	10623	-13221.14133	886117.1370250766	39.3084918626015	-100.8461477	340829.830435477	4352635.96716025	3054.529858240812	2915.296427373394	2851.159506787246	2853.159506787246	61.1333705887162	60.9508704390509
544	143	10624	-12561.14133	886117.1370250766	39.3084928228177	-100.8438163	341030.8598722652	4352631.9234954	3052.96444367545	2914.7520361915	2851.11542059056	2850.7946461153	62.897177154031	62.897177154031
545	143	10625	-11901.14133	886117.1370250766	39.30849368688636	-100.8414847	341211.8856543186	4352627.97829759	3051.409542091674	2912.21182117293	2851.089576321726	2851.089576321726	63.1227818516353	63.95496513400985
546	143	10626	-11241.14133	886117.1370250766	39.3084944642084	-100.8391534	341432.91116605187	4352623.974152138	3049.845941449141	2910.6598223774	2851.059273546251	2850.72794218594	65.06780919516115	65.06780919516115
547	143	10627	-10581.14133	886117.1370250766	39.3084952309382	-100.836822	341633.936515971	4352621.919076576	3047.700418	2909.100253270413	2851.474599437224	2851.474599437224	65.6265539799196	65.6265539799196
548	143	10628	-9921.14133	886117.1370250766	39.30849593042036	-100.8344905	341834.96174316417	4352615.96430091	3044.96174316417	2908.4349742258	2852.276314519734	2852.276314519734	64.03226685102534	64.03226685102534
549	143	10629	-9261.14133	886117.1370250766	39.3084968467875	-100.8321591	342035.9880090539	4352611.96285103	3042.23329147249	2905.3613983181853	2850.95089589348	2850.95089589348	62.86631236782476	61.8660035185231
550	143	10630	-8601.14133	886117.1370250766	39.30849714240555	-100.8298277	342237.0117051725	4352607.95469172	3039.484784059754	2904.23630848921	2850.95133474898	2850.95133474898	61.45441587432163	61.45441587432163
551	143	10631	-7941.14133	886117.1370250766	39.308498071424055	-100.8275948	342438.01872302	4352603.91872302	3038.4784059754	2903.1454297123045	2850.95133474898	2850.95133474898	62.31931391930516	62.31931391930516
552	143	10632	-7281.14133	886117.1370250766	39.3084982700146	-100.8251648	342639.0155731844	4352599.953	3037.568807	2901.227586901206	2849.331050671264	2849.331050671264	62.9425639839426	61.2946009001151
553	143	10633	-6621.14133	886117.1370250766	39.30849875320971	-100.8228334	342840.805	4352595.9540515	3037.204437169045					

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRRElevKgr.f	BRRElevBoth.f	SatHBoth.f
635	143	105715	4748.8586730335	886117.3170250766	39.30838439	-100.6316562	359323.5891850522	432268.364724403	2515.262252	2736.9381553107582	2714.0570495650413	22.887049660345373	21.21238330398004
636	143	105716	4815.8586730335	886117.3170250766	39.30831212658695	-100.6293428	359524.0014684851	432160.3747353047	2100.996014	2735.73153257691	2710.0462158486626	21.793244214983	25.93528636177728
637	143	105717	4881.8586730335	886117.3170250766	39.3083778190428	-100.6293428	359524.0014684851	432160.3747353047	2724.339898	2736.9381553107582	2714.0570495650413	22.887049660345373	21.21238330398004
638	143	105718	4947.8586730335	886117.3170250766	39.308374466329106	-100.624662	359526.6261694088	432256.404	2902.465358	2736.9381553107582	2714.0570495650413	22.887049660345373	21.21238330398004
639	143	105719	5013.8586730335	886117.3170250766	39.30837106748336	-100.6223306	360127.638226589	432252.417501635	2898.7898578021827	2732.17130931118	2698.6714795657883	26.99779621800335	33.49692872612962
640	143	105720	5079.8586730335	886117.3170250766	39.3083676233303	-100.6199991	360328.6501486283	432160.3747353047	2898.7898578021827	2732.17130931118	2698.6714795657883	26.99779621800335	33.49692872612962
641	143	105721	5145.8586730335	886117.3170250766	39.30836413518313	-100.6176677	360529.66193577286	432244.45042825	2897.627611554055	2729.63233674131	2693.093918648795	26.99779621800335	33.49692872612962
642	143	105722	5211.8586730335	886117.3170250766	39.3083600139688	-100.6153363	360730.67388105	432240.459070034	2896.54684822991	2728.6728473816784	2691.136087081898	26.99779621800335	33.49692872612962
643	143	105723	5278.8586730335	886117.3170250766	39.30835702259038	-100.6130048	360831.685106832	432160.3747353047	2896.54684822991	2728.6728473816784	2691.136087081898	26.99779621800335	33.49692872612962
644	143	105724	5349.8586730335	886117.3170250766	39.30835339872607	-100.6107674	361122.694896738	432232.488	2896.54684822991	2728.6728473816784	2691.136087081898	26.99779621800335	33.49692872612962
645	143	105725	5408.8586730335	886117.3170250766	39.30834972983794	-100.608342	361333.7077391618	432228.502339999	2896.6101415747	2725.22857083482	2685.1994671719287	26.99779621800335	33.49692872612962
646	143	105726	5475.8586730335	886117.3170250766	39.30834602	-100.6060106	361534.7185475043	432224.517	2896.54684822991	2725.22857083482	2685.1994671719287	26.99779621800335	33.49692872612962
647	143	105727	5541.8586730335	886117.3170250766	39.308342625695808	-100.6036792	361735.7298364623	432210.532131842	2896.54684822991	2725.22857083482	2685.1994671719287	26.99779621800335	33.49692872612962
648	143	105728	5607.8586730335	886117.3170250766	39.3083345296636	-100.6013478	361936.7406850294	432216.516471298	2891.71402679105	2721.8162615259154	2673.1975183631475	26.99779621800335	33.49692872612962
649	143	105729	5673.8586730335	886117.3170250766	39.30833463940725	-100.5990163	362137.7410017518	432122.562679126	2886.54010210812	2719.63922817323	2669.51237040996	26.99779621800335	33.49692872612962
650	143	105730	5739.8586730335	886117.3170250766	39.30833070987038	-100.5966849	362338.7619821293	432208.578237229	2884.55876300515	2719.540312709506	2666.220867144355	26.99779621800335	33.49692872612962
651	143	105731	5805.8586730335	886117.3170250766	39.3083267708415	-100.594335	362539.7724313884	432204.539839891	2882.784903768918	2718.398039818453	2664.87701182907	26.99779621800335	33.49692872612962
652	143	105732	5871.8586730335	886117.3170250766	39.30832276665438	-100.5920221	362740.782749045	432190.60991911	2872.26545509124	2717.2545509124	2662.3466159425	26.99779621800335	33.49692872612962
653	143	105733	5937.8586730335	886117.3170250766	39.3083187549015	-100.5896907	362941.792319276	432196.62603458	2865.18664831253	2716.0996263801267	2662.379418	26.99779621800335	33.49692872612962
654	143	105734	6003.8586730335	886117.3170250766	39.3083146832194	-100.5873592	363142.80208374084	432192.162435632	2858.10549342922	2714.941346318937	2659.414978587923	26.99779621800335	33.49692872612962
655	143	105735	6069.8586730335	886117.3170250766	39.30831056405825	-100.5850278	363343.8129032473	432188.65892973	2853.6729738501	2713.77607451015	2659.98872557963	26.99779621800335	33.49692872612962
656	143	105736	6135.8586730335	886117.3170250766	39.308306970061	-100.5826964	363544.8227	432184.75505653	2851.674840674413	2712.6035818444	2658.776505815603	26.99779621800335	33.49692872612962
657	143	105737	6201.8586730335	886117.3170250766	39.30830342046883	-100.580365	363745.8329475282	432180.829631935	2849.724370216583	2711.427374701815	2657.981592165027	26.99779621800335	33.49692872612962
658	143	105738	6267.8586730335	886117.3170250766	39.30829793615194	-100.5780338	363946.8418721368	432176.704999349	2848.26572303447	2710.277063000167	2656.592418681117	26.99779621800335	33.49692872612962
659	143	105739	6333.8586730335	886117.3170250766	39.30829368780945	-100.5757022	364147.8512656677	432172.727	2847.473672703222	2709.4050388040265	2655.537431332333	26.99779621800335	33.49692872612962
660	143	105740	6399.8586730335	886117.3170250766	39.3082892937552	-100.5733707	364348.8605283926	432168.744205023	2847.693500513546	2707.84677280323	2654.2346595033464	26.99779621800335	33.49692872612962
661	143	105741	6465.8586730335	886117.3170250766	39.30828492035654	-100.5710393	364549.869660808	432164.76184019	2847.693500513546	2707.84677280323	2654.2346595033464	26.99779621800335	33.49692872612962
662	143	105742	6531.8586730335	886117.3170250766	39.3082804864139	-100.5687709	364750.8786611606	432160.77965711	2846.13315613345	2705.4370563073	2651.104627284766	26.99779621800335	33.49692872612962
663	143	105743	6597.8586730335	886117.3170250766	39.30827695875715	-100.5664885	364951.883152814	432156.7896316784	2845.24270127878	2704.2297878	2649.519043956885	26.99779621800335	33.49692872612962
664	143	105744	6663.8586730335	886117.3170250766	39.30827346040938	-100.5642511	365152.81581844	432152.81581844	2844.537058482222	2703.016780120033	2649.007186910233	26.99779621800335	33.49692872612962
665	143	105745	6729.8586730335	886117.3170250766	39.30826864832165	-100.5617137	365353.9048827486	432148.834723367	2843.7339689101853	2701.8055448191853	2648.783962200218	26.99779621800335	33.49692872612962
666	143	105746	6795.8586730335	886117.3170250766	39.30826228022032	-100.5593822	365554.913363369	432144.85256348	2841.923913668177	2700.595176223088	2646.665428235827	26.99779621800335	33.49692872612962
667	143	105747	6861.8586730335	886117.3170250766	39.30825762	-100.5570508	365755.9217141903	432140.871622784	2840.530526527825	2699.38407202347	2648.10737781458	26.99779621800335	33.49692872612962
668	143	105748	6927.8586730335	886117.3170250766	39.3082531589352	-100.5547194	365956.929366773	432136.89058788	2839.4830842038	2698.1719253913	2646.9056578649	26.99779621800335	33.49692872612962
669	143	105749	7003.8586730335	886117.3170250766	39.3082481661786	-100.552388	366157.938025863	432132.92077262	2838.45810228896	2696.95967035364	2645.21900876045	26.99779621800335	33.49692872612962
670	143	105750	7069.8586730335	886117.3170250766	39.30824374142293	-100.5500695	366358.945920535	432128.929631935	2837.42307210165	2695.747861945387	2644.127374701815	26.99779621800335	33.49692872612962
671	143	105751	7125.8586730335	886117.3170250766	39.3082383164564	-100.5477252	366559.938267496	432124.94868738	2836.3906251855	2694.53778055564	2641.1278485122197	26.99779621800335	33.49692872612962
672	143	105752	7191.8586730335	886117.3170250766	39.3082334682771	-100.5453398	366760.961532902	432120.96380092	2832.38273638878	2693.32285229974	2639.508266459528	26.99779621800335	33.49692872612962
673	143	105753	7257.8586730335	886117.3170250766	39.30822871697298	-100.5430623	366961.9692105804	432116.98820062	2829.02348130805	2692.1206407935	2638.0624816618056	26.99779621800335	33.49692872612962
674	143	105754	7323.8586730335	886117.3170250766	39.3082237406637	-100.5407309	367162.97660197	432113.00829179	2825.865195603737	2690.89177025495	2636.899671305295	26.99779621800335	33.49692872612962
675	143	105755	7389.8586730335	886117.3170250766	39.3082187216537	-100.5383995	367363.9838185184	432109.0285871413	2821.612299403437	2689.681800362634	2635.9066412224515	26.99779621800335	33.49692872612962
676	143	105756	7455.8586730335	886117.3170250766	39.30821365710274	-100.536081	367564.994192	432105.04309379	2816.250884171926	2688.366001448487	2634.832195232107	26.99779621800335	33.49692872612962
677	143	105757	7521.8586730335	886117.3170250766	39.30820872190704	-100.5337403	367765.9610511242	432101.06380092	2815.205884171926	2687.317983371319	2633.788321298618	26.99779621800335	33.49692872612962
678	143	105758	7587.8586730335	886117.3170250766	39.30820383164564	-100.5314053	367967.0051811242	432097.00542843	2805.267511516875	2685.15002746558	2632.278474456976	26.99779621800335	33.49692872612962
679	143	105759	7653.8586730335	886117.3170250766	39.30819818213904	-100.5290739	368168.0119929854	432093.11577485	2802.213320148944	2683.492726434154	2630.90131532189	26.99779621800335	33.49692872612962
680	143	105760	7719.8586730335	886117.3170250766	39.30819295	-100.5267425	368369.0186779404	432089.3280062	2800.5447238164	2681.838961794032	2629.66533203654	26.99779621800335	33.49692872612962
681	143	105761	7785.8586730335	886117.3170250766	39.308187656920296	-100.524411	368570.02536141	432085.15212963	2798.774727127267	2680.91891689216	2628.77006526347	26.99779621800335	33.49692872612962
682	143	105762											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRRElevLogs.f	BRRElevBothK.f	LatSngLog.f	SurfElevBoth.f
1	14	05841	-357471.1413	886777.3170250766	39.30369831478697	-102.0631095	235872.47076012683	4354953.767866701	3920.5027859228267	3767.809736015098	3693.6498728774227	3698.498813535205	74.1598631767553	69.3107546677771
22	144	05842	-357081.1413	886777.3170250766	39.30372270049584	-102.0607168	236073.60505847636	4354949.663	3916.3054791054847	3766.414812317493	3690.0476176826592	3695.937664763031	76.36713543	70.47694756
23	144	05843	-356821.1413	886777.3170250766	39.30374742981816	-102.0584474	236274.73914911172	4354945.453707006	3933.67674884398	3765.014058129164	3688.5594671394484	3693.42724754870323	78.45711448226701	71.541313381413
24	144	05844	-356571.1413	886777.3170250766	39.30377133819344	-102.0567185	236475.87295125402	4354941.45367006	3919.3999732595703	3763.60223034273	3687.724505453673	3691.281676547343	80.84972949	72.320561785294
25	144	05845	-356101.1413	886777.3170250766	39.30379585928161	-102.0537853	236677.00642099105	4354937.344553424	3922.8620716374423	3762.166848017696	3678.6042431202177	3689.188447283521	83.564244897343	72.9790403741476
26	144	05846	-354441.1413	886777.3170250766	39.30381976534675	-102.0514542	236878.139711783394	4354933.2082347534	3926.3241770009134	3760.696062279865	3674.036267596693	3687.603667126086	86.33586337899343	73.08593013707064
27	144	05847	-353781.1413	886777.3170250766	39.30384356638798	-102.0491231	237079.22779069432	4354929.140813879	3930.6609782188775	3759.114271297014	3668.984974988922	3687.521009252035	90.12924231	71.86320809186873
28	144	05848	-353112.1413	886777.3170250766	39.303868072405486	-102.046792	237280.20545887027	4354925.036894259	3935.8724962616334	3757.357146653151	3663.7190582195026	3689.372671948083	93.6380843401057	67.8944675042826
29	144	05849	-352461.1413	886777.3170250766	39.30389143399929	-102.044461	237481.53864659868	4354923.33348681	3941.0849143943868	3755.01608113498	3670.444053881408	3686.82274587072387	94.83111541726815	59.5490267608021
30	144	05850	-351801.1413	886777.3170250766	39.3039167	-102.042129	237682.6702839972	4354919.629077125	3945.29532374145	3753.21195097705	3674.621725164381	3701.71227573567	75.89745993733485	51.90757524138055
31	144	05851	-351141.1413	886777.3170250766	39.303940150327406	-102.039798	237883.8026134437	4354915.766756561	3948.92736920826	3750.858283376125	3675.49653734953	3692.79417868978	84.98717460256596	58.1916467842368
32	144	05852	-350481.1413	886777.3170250766	39.30396406249685	-102.0374677	238084.9347884697	4354908.623604406	3951.979524889731	3748.74924247304	3674.57295836730	3685.3980361704628	74.1466961056541	63.452433694146
33	144	05853	-349821.1413	886777.3170250766	39.30398797714809	-102.0351366	238286.0653669478	4354905.775445435	3954.031680570535	3746.422766362813	3672.784420137201	3687.603667126086	76.36713543	70.47694756
34	144	05854	-349161.1413	886777.3170250766	39.30401812	-102.0328055	238487.1967350915	4354900.418	3956.08363251414	3744.16449477186	3670.7042713388985	3682.8699343843693	73.45987548582004	61.29416336343923
35	144	05855	-348501.1413	886777.3170250766	39.304039623872934	-102.0304745	238688.76747425172	4354906.315607358	3964.84492527984	3741.8902281322785	3668.839917205683	3657.326429362033	75.89745993733485	84.98717460256596
36	144	05856	-347841.1413	886777.3170250766	39.3040593796928	-102.0281434	238889.45505436962	4354892.213303016	3950.3124404006233	3739.827194615205	3667.0208620330704	3654.245567283543	72.00275740845059	75.376157316189
37	144	05857	-347181.1413	886777.3170250766	39.30408309050155	-102.0258123	239090.588755662	4354884.11246478	3945.780806274522	3737.366828199067	3665.693180029605	3655.772024571167	71.6734817063622	81.5946023629808
38	144	05858	-346521.1413	886777.3170250766	39.30410675677967	-102.0234812	239291.71893831316	4354880.09356917	3949.2416351452423	3735.12035757077	3664.417541743201	3653.3760529715187	70.4767140150585	81.74426279
39	144	05859	-345861.1413	886777.3170250766	39.3041307307363	-102.0211501	239492.848425501	4354879.90761326	3937.936382720179	3732.88572627561	3663.63800411632	3646.4903407614695	69.28942721592892	86.3954246609146
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41	144	05861	-344541.1413	886777.3170250766	39.3041778468677	-102.0164879	239895.1078658044	4354871.704852018	3933.7485522744322	3728.4549216822784	3663.2743683979463	3657.103693589045	65.1804377433231	71.1252809247471
42	144	05862	-343881.1413	886777.3170250766	39.30420096914988	-102.0141568	240096.2707607826	4354863.60378288	3931.6546355272965	3726.2597760410313	3663.1187668781404	3658.5317065042743	63.14100916260906	67.72801198
43	144	05863	-343221.1413	886777.3170250766	39.3042241179077	-102.0118721	240304.1337769516	4354858.38712163	3929.821900184174	3724.078267487983	3660.959781016429	3658.0213694411785	61.0494414129373	54.0864271429373
44	144	05864	-342561.1413	886777.3170250766	39.30424780543898	-102.009446	240498.494496018	4354859.40209248	3925.431059991153	3721.912437100657	3662.835081465659	3654.80021218332	59.073355049085	67.31222491734479
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46	144	05866	-341241.1413	886777.3170250766	39.30424661463026	-102.0048324	240900.750560135	4354851.201222719	3923.3172074115063	3717.624329647892	3661.722710303869	3652.95136187976	55.9016916402033	64.65246818212608
47	144	05867	-340581.1413	886777.3170250766	39.30431772218909	-102.0025013	241101.87879792135	4354847.101078627	3919.466304145364	3715.5020132804398	3660.8974480203874	3650.24759278319	54.50646507882238	65.2565400209077
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49	144	05869	-339261.1413	886777.3170250766	39.304364118223966	-101.9978187	241506.1082581624	4354838.20818624	3908.246681	3711.3021274877983	3658.98580762678	3647.934586818252	52.21317761517072	57.8513576864651
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53	144	05873	-336621.1413	886777.3170250766	39.30445920042316	-101.9885146	242308.6044265133	4354825.04285899	3892.507996437473	3703.08432232518	3655.2383170702255	3659.808550068873	47.8460815262944	43.2758342256306
54	144	05874	-335961.1413	886777.3170250766	39.3044765401014	-101.9861835	242509.766532201	4354815.4909017	3890.57637419272	3701.067485921734	3654.0360655043896	3648.5426736606	45.5252182	42.5252182
55	144	05875	-335301.1413	886777.3170250766	39.30450218577100	-101.9838524	242710.8932356035	4354814.306089592	3886.20768188895	3699.065647078948	3652.494875270001	3647.32777636877	40.8937170869375	60.8937170869375
56	144	05876	-334641.1413	886777.3170250766	39.30452450117077	-101.9813214	242912.0178751574	4354810.20851824	3884.391900184174	3700.95871016429	3650.959781016429	3647.934586818252	38.5614267082747	42.5168917425458
57	144	05877	-333981.1413	886777.3170250766	39.30454785418108	-101.9791902	243113.1416239885	4354806.110305101	3878.576195181456	3695.108136312636	3649.609261547334	3628.52596162271	45.4986747809526	65.566696904273
58	144	05878	-333321.1413	886777.3170250766	39.30457061764055	-101.976859	243314.2681962015	4354802.01290015	3874.764094787213	3693.154764644338	3648.384270378315	3631.392359794058	44.770492602298	61.7624044893001
59	144	05879	-332661.1413	886777.3170250766	39.30459333696496	-101.9745279	243515.3298751524	4354797.91472361	3871.42452557865	3701.216885429815	3647.3823251495335	3646.232593	43.7042327998155	44.98429280808526
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62	144	05882	-330681.1413	886777.3170250766	39.30466127259803	-101.9675346	244118.76578818358	4354782.62182327	3862.855845040297	3685.90502	3645.642728903113	3643.717890179723	39.8267178053865	24.390596495227328
63	144	05883	-330021.1413	886777.3170250766	39.304684816318601	-101.9651766	244326.2652669676	4354775.5673647	3860.84582096914	3684.934758222363	3644.934758222363	3643.717890179723	38.5614267082747	42.5168917425458
64	144	05884	-329361.1413	886777.3170250766	39.30470627892803	-101.962873	244521.0130624085	4354774.428	3860.1406560360392	3683.1677469	3643.717890179723	3643.717890179723	38.5614267082747	42.5168917425458
65	144	05885	-328701.1413	886777.3170250766	39.304728									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIEVLogsKrg.f	BRIEVLogsKrg.f	SatHtLogs.f	SatHtLogs.f
143	144	105967	-274581.1413	886777.3170250766	39.30641639693315	-107.7693838	261213.401967768	3444348.005	3733.1633574714556	3524.8210153106493	3441.446426390445	3504.070681710715	36.3558892020412	20.7359339993447
148	144	105968	-273921.1413	886777.3170250766	39.306435109003206	-107.7620261	26114.5043658571	3444434.8155444	3729.055092682274	3523.30303231592	3448.53012925934	3497.38240490514	74.7251014899763	25.910182749005
149	144	105969	-273261.1413	886777.3170250766	39.30645767633892	-107.7647213	26115.607667366	3444293.5421544	3724.9466278964985	3523.814369214603	3453.5145434329767	3485.131000089652	110.17132828971302	36.4631791599052
150	144	105970	-272601.1413	886777.3170250766	39.306472400448875	-107.7623091	26116.71016392038	3444385.6354414	3720.835651067704	3520.324124350925	3456.28394059732	3474.854711419006	64.05837147716056	45.4877417062904
151	144	105971	-271941.1413	886777.3170250766	39.306490978230116	-107.7600688	262017.81424454676	3445442.174333161	3716.691740711604	3518.883060355104	3457.460676343793	3467.143272898493	61.42228401131135	51.73368736625481
152	144	105972	-271281.1413	886777.3170250766	39.306509510982686	-107.7572726	262218.91454451875	3446763.760371003	3714.033700722794	3517.434335051076	3457.534069615981	3461.377694443986	59.05633841061899	56.05633841061899
153	144	105973	-270621.1413	886777.3170250766	39.30652798760486	-107.7553963	262026.01624134707	3445314.584081609	3708.320980729645	3515.991419840579	3456.619474805079	3442.551132602992	58.9427016870995	73.4402721988707
154	144	105974	-269961.1413	886777.3170250766	39.3065444410151	-107.7530651	262621.117977278	3445409.50464352	3704.13560707361	3514.525858591215	3455.609478800675	3441.1337624727059	58.9427379790547	102.6150113206269
155	144	105975	-269301.1413	886777.3170250766	39.306564836637704	-107.7507338	263222.9178186159	3445445.426402523	3703.2225112898916	3513.117698762106	3454.555617703646	3447.326539221444	110.17132828971302	36.4631791599052
156	144	105976	-268641.1413	886777.3170250766	39.306583179170505	-107.7484028	263323.320035535	3445401.34	3705.584721230847	3511.8674402711584	3453.473717120097	3447.1297437300577	58.0992757706131	84.5573005570604
157	144	105977	-267981.1413	886777.3170250766	39.30660149931352	-107.7460714	263224.4211	3445397.267495513	3707.94591349732	3510.261641653046	3452.525751263793	3451.530048834616	57.73580928142816	58.730928142816
158	144	105978	-267321.1413	886777.3170250766	39.30661971893046	-107.7437401	263425.521677112	3445393.188368562	3707.70114582618	3508.839076055762	3451.877587622404	3446.950737697054	56.961484328163	49.47189148257994
159	144	105979	-266661.1413	886777.3170250766	39.3066397944363	-107.7414088	263626.622062122	3445389.11307325	3707.4116381512705	3507.4022428157705	3450.907283057892	3461.459422558055	55.62126930787846	45.95080225717153
160	144	105980	-266001.1413	886777.3170250766	39.306656151974224	-107.7390776	263827.72231352967	3445385.302088935	3707.4116381512705	3507.4022428157705	3450.907283057892	3461.459422558055	55.62126930787846	45.95080225717153
161	144	105981	-265341.1413	886777.3170250766	39.30667247946676	-107.7367483	264028.8222316102	3445380.95400509	3711.13130841161	3504.9002233326347	3448.989791919966	3458.765716581871	56.0920414383068	45.4371879530809
162	144	105982	-264681.1413	886777.3170250766	39.306692619303224	-107.7344151	264229.91189163315	3445378.1678115429	3710.988776700332	3503.818178746896	3447.322740273496	3456.833575389592	55.8512960119347	46.34830348571335
163	144	105983	-264021.1413	886777.3170250766	39.3067103936462	-107.7320388	264431.02136850345	3445372.79841398	3709.87527290241	3507.17769893275	3448.336730628133	3454.784542786359	54.006868681657	47.0291569091453
164	144	105984	-263361.1413	886777.3170250766	39.30672831769845	-107.7297526	264632.1205877265	3445368.7201914378	3707.791569959778	3500.3807666332	3445.6115605279488	3451.78041101547	54.7685161356842	48.59966464822284
165	144	105985	-262701.1413	886777.3170250766	39.306736314596	-107.7274213	264833.2196547048	3445364.643034925	3705.707617212356	3449.885779683045	3454.188574549764	3445.62630489066	53.8000037308724	53.3262937923681
166	144	105986	-262041.1413	886777.3170250766	39.30676424149283	-107.72509	265034.3132875416	3445360.5645683	3702.63264242833	3497.602738303973	3442.927972008889	3443.7100494059164	54.32647620504841	54.32647620504841
167	144	105987	-261381.1413	886777.3170250766	39.30678208810494	-107.7227588	265235.218650998	3445356.48996051	3701.356427789947	3454.222034447274	3440.83351462341	3441.0820734027536	55.38835471	55.3883547173873
168	144	105988	-260721.1413	886777.3170250766	39.3067991109888	-107.7204275	265436.5514123587	3445352.41292533	3698.905078209404	3454.222034447274	3440.83351462341	3441.0820734027536	55.38835471	55.3883547173873
169	144	105989	-260061.1413	886777.3170250766	39.30681645504584	-107.7187787	265634.196998178	3445348.298583918	3685.29787682887	3452.978376939714	3442.978376939714	3442.978376939714	56.0920414383068	45.4371879530809
170	144	105990	-259401.1413	886777.3170250766	39.3068334005771	-107.7157565	265838.7110268345	3445344.259045119	3694.0048705633	3492.10456060431	3435.007841320474	3435.007841320474	56.0920414383068	45.4371879530809
171	144	105991	-258741.1413	886777.3170250766	39.30685037778811	-107.7134337	266039.8082622681	3445341.783192611	3691.364819875033	3492.10456060431	3435.007841320474	3435.007841320474	56.0920414383068	45.4371879530809
172	144	105992	-258081.1413	886777.3170250766	39.30687070950085	-107.7110125	266240.905872687	3445336.10783318	3688.535425474848	3489.365784062025	3431.097237306615	3431.097237306615	56.0920414383068	45.4371879530809
173	144	105993	-257421.1413	886777.3170250766	39.30688829710063	-107.7087712	266442.031210109	3445332.03206695	3685.705671	3489.365784062025	3431.097237306615	3431.097237306615	56.0920414383068	45.4371879530809
174	144	105994	-256761.1413	886777.3170250766	39.306905939212725	-107.7064399	266643.100240006	3445327.956493279	3682.876096285178	3486.610252	3426.435474262124	3427.095263191954	61.1748020877148	59.51529257375874
175	144	105995	-256101.1413	886777.3170250766	39.30692336256251	-107.7041784	266844.196998178	3445323.881112878	3679.25056742857	3485.29787682887	3426.435474262124	3427.095263191954	61.1748020877148	59.51529257375874
176	144	105996	-255441.1413	886777.3170250766	39.306940798345484	-107.7019674	267045.2931389849	3445319.54521847	3674.54716188915	3482.817110898287	3421.1772164188915	3421.1772164188915	62.4349447152445	62.4349447152445
177	144	105997	-254781.1413	886777.3170250766	39.30695819537181	-106.694461	267246.3893510959	3445315.703031093	3670.434917932606	3482.391454279687	3418.273686495616	3418.273686495616	63.6875627313103	63.6875627313103
178	144	105998	-254121.1413	886777.3170250766	39.30697551365725	-106.6917148	267447.4853342284	3445311.6556	3666.02439434228	3485.93518555544	3415.138443477726	3415.138443477726	64.5182021	64.5182021
179	144	105999	-253461.1413	886777.3170250766	39.30699287432996	-106.6847385	267648.581086037	3445307.582	3663.66543	3479.480869679616	3411.378526494476	3411.65949404783	61.195603025148	67.838902751828
180	144	106000	-252801.1413	886777.3170250766	39.30701104264565	-106.6824523	267849.6766092023	3445303.507105863	3663.358117704071	3478.021382929734	3407.088041036915	3407.088041036915	70.410271828622	70.410271828622
181	144	106001	-252141.1413	886777.3170250766	39.30702731949044	-106.680121	268050.7719032241	3445299.428803483	3663.050805772347	3476.522595327374	3404.692454823737	3402.900961538673	73.8301407	73.8301407
182	144	106002	-251481.1413	886777.3170250766	39.30704350455484	-106.677897	268251.869698145	3445295.38582918	3662.743496742857	3474.978446214684	3398.09617105306	3398.09617105306	75.150712716245	75.150712716245
183	144	106003	-250821.1413	886777.3170250766	39.3070591889935	-106.685454	268462.9618041606	3445291.289017382	3662.720453369236	3473.44158956737	3394.558230002567	3441.0472798131	76.858538964152	76.858538964152
184	144	106004	-250161.1413	886777.3170250766	39.307076783705514	-106.6831271	268654.0564155575	3445287.211	3663.016400936297	3471.65890626396	3393.331900590832	3393.331900590832	78.5270055756407	78.5270055756407
185	144	106005	-249501.1413	886777.3170250766	39.3070958304128	-106.6807959	268855.150790537	3445283.137923165	3662.743496742857	3471.65890626396	3393.331900590832	3393.331900590832	78.5270055756407	78.5270055756407
186	144	106006	-248841.1413	886777.3170250766	39.3071128224718	-106.6784646	269056.2444127615	3445279.04664545	3663.585290127685	3468.582480649696	3390.876248241964	3391.370146146037	77.7062358704018	77.7062358704018
187	144	106007	-248181.1413	886777.3170250766	39.30712979	-106.6761333	269257.338639392	3445274.99160096	3662.83781201434	3466.885363566308	3388.94171129254	3388.94171129254	77.7062358704018	77.7062358704018
188	144	106008	-247521.1413	886777.3170250766	39.307146706925	-106.673802	269458.43585889	3445269.79182884	3661.05714022823	3465.15062258599	3386.651026652758	3386.651026652758	78.057972012458	78.057972012458
189	144	106009	-246861.1413	886777.3170250766	39.3071637918978	-106.671498	269659.619698178	3445265.7336381	3657.49669658134	3461.5992041703947	3381.4073911472486	3381.4073911472486	79.191505269776	79.191505269776
190	144	106010	-246201.1413	886777.3170250766	39.307180389718	-106.6691394	269860.619206516	3445262.77356381	3657.49669658134	3461.5992041703947	3381.4073911472486	3381.4073911472486	79.191505269776	79.191505269776
191	144	106011												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SurBothKgs.f	
273	144	106093	-191421.1413	886777.3170250766	39.30841960725304	-01.4756391	286650.5859048591	4339325.429	3497.265814423306	330.07178390976926	3304.4761388812053	3305.5445151720395	65.54170102648732	64.7343833565315
274	144	106094	-190761.1413	886777.3170250766	39.30843246624364	-01.4733077	286751.6607762418	4339321.37660323	3494.650024397742	3367.369110060713	3304.5899617324048	3304.1081481623235	64.5991483260436	63.89096198387795
275	144	106095	-190501.1413	886777.3170250766	39.30844594025431	-01.4698486	286829.33436627	4339317.316544454	3493.657472721112	3366.023073041115	3303.7268989138815	3303.2393893293349	64.75807897498657	63.6586960275506
276	144	106096	-189441.1413	886777.3170250766	39.30845859	-01.4686845	287133.809863271	4339313.260020854	3485.280648707946	3364.1207841370422	3301.8699985170792	3302.726817047022	62.25077170418984	61.59236274077695
277	144	106097	-188781.1413	886777.3170250766	39.30847148310357	-01.4663136	287354.8841274413	4339305.240895511	3479.905051194577	3362.283501038618	3301.5068516653455	3302.6021634339463	60.77665437472253	59.681373760871074
278	144	106098	-188121.1413	886777.3170250766	39.30848431985055	-01.4639822	287555.051952099	4339309.140354723	3474.5304516819571	3360.506304948929	3301.57805825242	3302.4586732456863	58.0537474662836	56.85037474662836
279	144	106099	-187461.1413	886777.3170250766	39.30849716583407	-01.4616509	287757.018183396	4339301.094038381	3469.027479713464	3358.78745913723	3301.4941793795897	3302.021470973455	57.2936653413333	56.7635240629797
280	144	106100	-186801.1413	886777.3170250766	39.308509945450544	-01.4593195	287958.105955127	4339298.838489876	3463.39623063023	3357.1240994417783	3301.4146801802897	3302.0245941271833	55.51012926	55.1023514145906
281	144	106101	-186141.1413	886777.3170250766	39.30852296	-01.4569487	288159.1790044867	4339293.88896806	3457.785103158689	3357.072137836468	3301.376523546478	3302.0245941271833	54.4286141243605	54.4286141243605
282	144	106102	-185481.1413	886777.3170250766	39.30853533718586	-01.4545657	288360.2511902505	4339288.92116455	3452.130021252374	3353.954513409728	3301.00846578912	3302.0245941271833	53.828952991658	51.81241855627103
283	144	106103	-184821.1413	886777.3170250766	39.30854797090462	-01.4523254	288591.351850415	4339284.74338519	3446.81202784439	3352.400989155324	3301.0263004046377	3301.401728751034	51.23469851069476	51.03927016449825
284	144	106104	-184161.1413	886777.3170250766	39.3085605595907	-01.449994	288762.3979650433	4339280.82157295	3441.799149934822	3350.9714720889115	3301.4144026362324	3301.751609470842	49.55706945258976	49.2196261806933
285	144	106105	-183501.1413	886777.3170250766	39.30857310324427	-01.4476626	288963.4705371363	4339276.76559266	3438.76627205346	3349.5431683521565	3301.2996577550975	3301.4004330435164	48.1326839460408	48.1326839460408
286	144	106106	-182841.1413	886777.3170250766	39.3085856	-01.4453312	289164.5012415243	4339272.71195731	3438.172431157985	3348.1257463728476	3301.6991012054664	3301.495948993267	46.4536516738118	46.4567613796053
287	144	106107	-182181.1413	886777.3170250766	39.3085985545325	-01.4429599	289365.6151	4339268.58487482	3436.210708811224	3346.797852	3302.325463296256	3301.689923240616	45.11229738918155	45.11229738918155
288	144	106108	-181521.1413	886777.3170250766	39.30861046014826	-01.4406685	289566.6871079256	4339264.004520795	3428.0821611575	3344.47408964755	3302.372382315964	3302.5186231252396	42.2040263631612	42.9877855891791
289	144	106109	-180861.1413	886777.3170250766	39.30862282753749	-01.4383371	289767.75880486037	4339260.551104992	3423.985723	3344.186471827613	3304.301426254068	3303.8240242029885	39.88505457300485	40.3652492462438
290	144	106110	-180201.1413	886777.3170250766	39.308635146027406	-01.4360057	289968.830860929	4339259.497827235	3421.8732307112413	3342.902143109636	3305.673463125096	3305.5411125615	37.25275008943396	37.25275008943396
291	144	106111	-179541.1413	886777.3170250766	39.308647419484515	-01.4336743	290169.90171503846	4339258.444831867	3420.71453399971	3341.693910278899	3307.2619773196434	3308.55034800477	34.3183292659329	33.3387647842169
292	144	106112	-178881.1413	886777.3170250766	39.30865964790882	-01.4313429	290370.9728735105	4339257.391983327	3420.68847474524	3340.488313280966	3307.151852414886	3308.544834121968	33.121561406701	31.9398618262768
293	144	106113	-178221.1413	886777.3170250766	39.30867183	-01.4290116	290572.0437351754	4339256.39327328	3420.602789549129	3339.305118697175	3304.213820775535	3306.073162881319	30.9969973222142	30.9969973222142
294	144	106114	-177561.1413	886777.3170250766	39.30868396595893	-01.4268002	290773.1144635685	4339254.8042666321	3420.510711623743	3340.51780526975	3301.285297172003	3304.589786709033	28.566041544300634	28.566041544300634
295	144	106115	-176901.1413	886777.3170250766	39.30869612928467	-01.4245488	290974.1846911518	4339253.7880444	3420.40596178904014	3339.025978904014	3300.925978904014	3304.589786709033	27.5609781487409	27.5609781487409
296	144	106116	-176241.1413	886777.3170250766	39.30870811	-01.4220174	291175.2525677433	4339252.182511487	3420.641247598033	3335.905977692678	3296.746412509913	3302.5482731996763	26.19356474168651	26.19356474168651
297	144	106117	-175581.1413	886777.3170250766	39.30872011453744	-01.419686	291376.3253996602	4339258.328131	3420.7525642279034	3334.809231865094	3294.97546742288	3297.836846889863	24.783472462002	24.783472462002
298	144	106118	-174921.1413	886777.3170250766	39.308732072764414	-01.4173546	291577.39524790354	4339260.07892811	3434.86380847815	3333.70148000005	3293.5602541281064	3282.5562573987017	24.01698932769905	24.01698932769905
299	144	106119	-174261.1413	886777.3170250766	39.30874399	-01.4150232	291778.46438018	4339260.07244265	3435.938634738233	3332.66713614499	3292.339102348692	3285.20539	23.0280712746688	23.0280712746688
300	144	106120	-173601.1413	886777.3170250766	39.30875584119404	-01.4126919	291919.5340488645	4339258.917113184	3437.618625898325	3331.6196199041665	3291.3189297222243	3286.704952478059	22.00069018194217	22.00069018194217
301	144	106121	-172941.1413	886777.3170250766	39.30876767224741	-01.4103468	292169.862863358	4339257.9234981518	3432.625017052042	3330.51077052042	3290.589876240678	3286.49464265951	21.45462464368415	21.45462464368415
302	144	106122	-172281.1413	886777.3170250766	39.30877945373643	-01.4080921	292387.87751373643	4339257.074066335	3433.055978904014	3329.570592631804	3290.659789431804	3290.659789431804	20.9678131020213	20.9678131020213
303	144	106123	-171621.1413	886777.3170250766	39.30879118840426	-01.4056977	292582.7416617172	4339258.3331305	3429.01714881502	3328.572308070569	3288.825493871042	3288.85554030674	19.374714204027304	19.374714204027304
304	144	106124	-170961.1413	886777.3170250766	39.308802876433084	-01.4033663	292783.1027698104	4339259.72788133	3428.01638689233	3327.57139161649	3287.88412325486	3288.707154190913	18.369049193810015	18.369049193810015
305	144	106125	-170301.1413	886777.3170250766	39.30881451942879	-01.4013049	292984.873689757	4339259.72437007	3428.796528923434	3326.582997169406	3286.977286531057	3287.672669891232	17.360574516300395	17.360574516300395
306	144	106126	-169641.1413	886777.3170250766	39.30882611739136	-01.3987035	293185.9468773719	4339259.7371	3428.6862189773657	3325.5770926119215	3285.569979260547	3287.51670119215	16.4070999691215	16.4070999691215
307	144	106127	-168981.1413	886777.3170250766	39.30883767020709	-01.3963721	293387.0150373742	4339257.62310863	3427.80498157159	3324.545497646908	3284.92867323764	3286.191285479886	15.42629321324145	15.42629321324145
308	144	106128	-168321.1413	886777.3170250766	39.30884917821707	-01.3940407	293589.082841945	4339257.1234981518	3426.140556459405	3323.728154564278	3284.92867323764	3286.191285479886	14.52912610711893	14.52912610711893
309	144	106129	-167661.1413	886777.3170250766	39.3088604108013	-01.3917093	293789.15052810155	4339257.92592821	3424.402847350965	3322.316715326977	3280.02113689049	3282.595743919835	13.49567843919835	13.49567843919835
310	144	106130	-167001.1413	886777.3170250766	39.30887206	-01.3893779	293990.2179690584	4339257.473561818	3422.819973032895	3321.055238	3277.646377	3279.38664909612	12.44086063707094	12.44086063707094
311	144	106131	-166341.1413	886777.3170250766	39.30888343170662	-01.3870465	294191.2850275317	4339257.42362814	3422.569042539957	3319.64933698982	3274.967974034182	3277.244677095590	11.4663179270064	11.4663179270064
312	144	106132	-165681.1413	886777.3170250766	39.30889479546999	-01.3847151	294392.3522436357	4339257.373555084	3422.724783294794	3318.0187897	3272.243615605423	3275.074109922164	10.4833545133774	10.4833545133774
313	144	106133	-165021.1413	886777.3170250766	39.308906042200064	-01.3823873	294593.9149775345	4339257.326507479	3424.88940437353	3316.34735840775	3269.404712188707	3269.404712188707	9.4616545198774	9.4616545198774
314	144	106134	-164361.1413	886777.3170250766	39.3089127986989	-01.3800323	294794.485709557	4339257.197717937	3426.043947799267	3314.47895572175	3268.73609745044	3267.109612050368	8.47265627310163	8.47265627310163
315	144	106135	-163701.1413	886777.3170250766	39.308924696038	-01.3777093	294995.299469038	4339257.074066335	3426.92847948945	3313.589247948945	3267.92847948945	3267.92847948945	7.4628181146155	7.4628181146155
316	144	106136	-163041.1413	886777.3170250766	39.30893120190465	-01.3753595	295196.116368415	4339257.18274758	3427.647569971004	3310.4590703204194	3267.109612050368	3267.109612050368	6.459104339333	6.459104339333
317	144	106												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatBthKrg.ft	SatBthKrg.ft
399	144	106219	-102621.1413	886777.3170250766	39.3097078534678	-101.181811	311884.432140265	43534515.845810374	327973968021988	307011592730324	3055.806178137575	3055.9335021073875	34.3638131345738	43.23665716564483
400	144	106220	-107601.1413	886777.3170250766	39.30971525010891	-101.739548	312085.4832455107	43534111.39668252	3290.9709348059246	3050.564126302476	3050.626801119047	45.67086210416386	45.6081282734171	
401	144	106221	-103841.1413	886777.3170250766	39.30972256938722	-101.727182	312286.533919869	4353383.94642921	3288.01674222418	3045.940518856543	3045.550518856543	47.75007817216038	47.7883881024565	
402	144	106222	-106281.1413	886777.3170250766	39.309729844528654	-101.741867	312487.58275486925	43533736.986987	3287.364863718375	3090.330423674574	3041.543504587674	40.42623446311605	48.8906733723701	
403	144	106223	-105621.1413	886777.3170250766	39.30973707418624	-101.725553	312688.63234413	43533399.783896275	3284.664535703244	3072.472464017527	3032.3205848223348	49.241879194224566	49.244804583893036	
404	144	106224	-104061.1413	886777.3170250766	39.3097425880894	-101.720238	312889.681529139	43533601.36671281	3281.0663635877246	3084.570286124916	3035.1339503745386	30.1537141095807	49.41467516684406	
405	144	106225	-104301.1413	886777.3170250766	39.3097513883967	-101.678924	313090.7306423979	4353331.655829212	3277.4683714623043	3081.67648823043	3032.288558431954	30.38278595991837	49.397003605	
406	144	106226	-103641.1413	886777.3170250766	39.3097584294967	-101.655909	313291.7796	43533387.64834239	3278.073379418305	3078.798877505613	3029.58467721283	30.2926528423074	49.41589332	
407	144	106227	-102981.1413	886777.3170250766	39.3097655046785	-101.632259	313692.5283	4353383.94642921	3288.01674222418	3075.94812039856	3027.1194241037642	30.2700810333597	48.838883699919	
408	144	106228	-102321.1413	886777.3170250766	39.30977254560704	-101.616588	313963.678821459	4353375.954717227	3277.87561704053	3073.173584109854	3024.435692	30.2247314794215	48.8844661664973	
409	144	106229	-101661.1413	886777.3170250766	39.3097795036881	-101.585668	313894.9253651317	4353375.954717227	3277.87561704053	3070.382124011704	3021.6281002104006	30.241919830179645	48.7830117096825	
410	144	106230	-101001.1413	886777.3170250766	39.30978642081195	-101.562351	314095.97346251394	4353371.502736992	3271.6149198672324	3067.6895152272878	3019.268265991977	30.191364643968083	48.43024923530811	
411	144	106231	-100341.1413	886777.3170250766	39.30979323091031	-101.539037	314297.01479456747	4353367.472728818	3257.145164865204	3065.1069743232476	3017.39244858645026	30.173730049190617	47.76999403821454	
412	144	106232	-99681.1413	886777.3170250766	39.309800114533324	-101.515752	314498.0913463336	4353363.442881509	3257.145164865204	3062.64389056259	3015.50811	30.15121031431322	47.1162738512395956	
413	144	106233	-99021.1413	886777.3170250766	39.30980698384153	-101.492408	314699.1166683714	4353359.412325956	3257.145164865204	3060.263463195515	3013.4308404762813	30.13141026891387	46.852813717239256	
414	144	106234	-98361.1413	886777.3170250766	39.30981362814696	-101.469093	314900.164404582	4353353.38761072	3257.145164865204	3058.032309256833	3010.741157695867	30.10147074054034	47.328303510210844	
415	144	106235	-97701.1413	886777.3170250766	39.30982031735286	-101.445578	315101.217313064	4353351.35487332	3257.145164865204	3055.9311553890134	3007.4672149426756	30.07434173779004	46.4639405	
416	144	106236	-97041.1413	886777.3170250766	39.30982696155025	-101.422464	315302.25894105644	4353345.32402961	3267.5444229725852	3053.644932426523	3003.5779849662657	30.0379054533959	50.7314134400311294	
417	144	106237	-96381.1413	886777.3170250766	39.309833660727306	-101.399149	315503.30580703764	4353343.296511726	3265.0230489121476	3052.083716088587	2999.982174522465	30.1501544893214	52.25085624	
418	144	106238	-95721.1413	886777.3170250766	39.30984011486629	-101.375835	315704.3526183927	4353339.268171722	3262.5029485181215	3050.310443	2996.8942936211893	2996.737029702766	51.1414889644052	
419	144	106239	-95061.1413	886777.3170250766	39.30984662395814	-101.35252	315905.39918623794	4353335.29	3258.655482914028	3048.6165991967086	2993.541979380436	2993.32480628748	50.74760280021053	
420	144	106240	-94401.1413	886777.3170250766	39.3098530802103	-101.329206	316106.454470746	4353321.21085083	3255.4854921615474	3046.9880956491316	2990.94049257249	2989.6925325736964	50.7780040228453	
421	144	106241	-93741.1413	886777.3170250766	39.3098595274455	-101.306129	316310.167417575	4353309.182594682	3253.4182810598677	3044.182810598677	2988.47041824774	2988.47041824774	50.74405896835174	
422	144	106242	-93081.1413	886777.3170250766	39.30986581041375	-101.282576	316508.537089612	4353323.155	3243.1389646751	3042.98185	2987.087005200766	2986.851654352017	50.76393490506407	
423	144	106243	-92421.1413	886777.3170250766	39.3098722099888	-101.255622	316709.58365796334	4353319.127178609	3238.873769601047	3042.38891	2986.85954322874	2986.75879792974	50.75236814513275	
424	144	106244	-91761.1413	886777.3170250766	39.30987849392121	-101.235947	316910.623687503	4353315.09625348	3238.40437924443	3040.92267924349	2986.420624278088	2986.3692797029703	50.75504596235014	
425	144	106245	-91101.1413	886777.3170250766	39.309884732808406	-101.212632	317111.67481659487	4353312.02723188	3236.971462478397	3039.48619083362047	2985.689401123436	2985.79678914319506	53.79678914119134	
426	144	106246	-90441.1413	886777.3170250766	39.309890926660465	-101.1891818	317312.720732387	4353307.0450921246	3235.5384745712354	3038.474242073147	2984.859046714543	2984.8817514075977	53.21537749271495	
427	144	106247	-89781.1413	886777.3170250766	39.30989707547753	-101.166033	317513.7652562534	4353303.618114335	3233.7681379879213	3036.282679879213	2984.262479879213	2984.262479879213	52.7414938	
428	144	106248	-89121.1413	886777.3170250766	39.309903172594024	-101.142589	317714.810212667134	4353298.091323241	3233.7681379879213	3035.3164217684911	2983.7123810395952	2982.7632310395952	52.681739044772	
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431	144	106251	-87141.1413	886777.3170250766	39.30992122	-101.072745	318317.94400340936	4353282.912102921	3225.490064501246	3031.3218145280044	2979.314552	2978.76506899064	52.0076215944551	
432	144	106252	-86481.1413	886777.3170250766	39.30992714403376	-101.04943	318518.988245441575	4353282.886	3225.3661177793435	3030.6234505444	2977.420303545468	2976.9037812828	52.00602461976176	
433	144	106253	-85821.1413	886777.3170250766	39.309933022639558	-101.026115	318720.032081254	4353278.86024444	3221.246711005585	3028.74858418368	2975.8731913963896	2975.00131963896	52.0076215944551	
434	144	106254	-85161.1413	886777.3170250766	39.30993895274455	-101.002891	318921.074193655	4353274.834027004	3218.14243393047	3027.45870674527	2974.72841824774	2974.72841824774	52.0076215944551	
435	144	106255	-84501.1413	886777.3170250766	39.3099446	-101.0979486	319122.1159034465	4353270.8019015418	3217.560400287466	3026.235698598254	2973.233119647604	2972.233119647604	52.0076215944551	
436	144	106256	-83841.1413	886777.3170250766	39.3099503824463	-101.056172	319323.163456293	4353266.73889846	3216.554704015247	3024.997365389468	2970.60584210638	2970.9264314447896	54.0733054991575	
437	144	106257	-83181.1413	886777.3170250766	39.3099566070917	-101.032857	319524.2607910655	4353262.75880278	3215.549001012634	3023.796724701298	2968.762244277664	2968.762244277664	54.0714290423635	
438	144	106258	-82521.1413	886777.3170250766	39.309961740138405	-101.009542	319725.2406999795	4353258.739341703	3214.54329974083	3022.576838025363	2966.82545290126	2966.960184	55.7471385352376	
439	144	106259	-81861.1413	886777.3170250766	39.3099673485325	-101.088628	319926.2929725276	4353254.705912405	3213.368714964397	3021.368797889257	2965.159332854753	2965.132801076734	56.23094241797344	
440	144	106260	-81201.1413	886777.3170250766	39.3099729185096	-101.0682193	320172.3357905215	4353250.684767517	3212.433238978646	3020.21546066057	2963.47549313642105	2963.47549313642105	56.70052369748828	
441	144	106261	-80541.1413	886777.3170250766	39.30997904115865	-101.046909	320381.626944461	4353248.13697788	3211.6420145384293	3019.6420145384293	2961.6420145384293	2961.6420145384293	56.70052369748828	
442	144	106262	-79881.1413	886777.3170250766	39.30998393052101	-101.021824	320529.420044895	4353242.63637213	3211.478310664007	3017.928495	2958.855177178533	2958.755481421355	59.6077548589726	
443	144	106263	-79221.1413	886777.3170250766	39.3098933175481	-101.079269	320730.4632283586	4353238.61421301	3211.227825102116	3016.8118912102453	2956.9100935205724	2957.870176914289	58.38840124663784	
444	144	106264	-78561.1413	886777.3170250766	39.30994714972085	-101.076954	320931.5053479329	4353234.58880739	3211.458895014977	3015.7322946413827	2954.954643858195	2954.954643858195	59.609871306216794	
445	144	106265	-77901.1413	886777.3170250766	39.31000335315394	-101.074634	321132.54729681974	4353230.565138911	3211.689944970307	3014.6308911199953	2953.1591272109743	2954.41781904134	61.471768409021024	
446	144	106266	-77241.1413	886777.3170250766	39.3100534603003	-101.072325	321333.5890710214	4353226.541788021	3211.021048770623</					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Ln.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
525	144	106345	-2501.141133	886777.3170250766	-39.1028119236478	-100.8881156	3273.2153428682073	4532909.299704757	3058.614254654889	29.057098383775	2889.886168199633	2889.74526766257	49.70303018
526	144	106346	-2444.114133	886777.3170250766	-39.102828625597	-100.8857841	3734.1637348274583	4532905.29101464	3057.70389815388	29.97365805839977	2889.862434303494	2889.810749551292	48.170665350374
527	144	106347	-2378.141133	886777.3170250766	-39.1028354368656	-100.8864637	3787.17410239935	4532901.38368811	3059.015401954738	29.981340196456	2889.07862470315	2887.9036722551	48.903778949873
528	144	106348	-2321.141133	886777.3170250766	-39.1028612812297	-100.8811212	37818.93145536604	4532895.2767	3056.67585693555	29.9352048556385	2884.634288177283	2884.62470620047	51.1864297302151
529	144	106349	-2261.141133	886777.3170250766	-39.102876831292	-100.8787897	338019.46712887136	4532893.268	3058.3031611486674	29.9347127090118	2880.519696223679	2880.26090359745	51.0091167238914
530	144	106350	-2180.141133	886777.3170250766	-39.1028919346014	-100.8764582	338220.4940447158	4532890.261091524	3059.908736709604	29.934.581265	2875.95639180578	2875.6249552200174	58.0248740018206
531	144	106351	-2141.141133	886777.3170250766	-39.1029065857146	-100.8741267	338421.5226031023	4532885.253696576	3060.765156	29.932417012385347	2873.371778325234	2869.771474113946	62.04132341
532	144	106352	-2048.141133	886777.3170250766	-39.1029207664681	-100.8717952	338621.5040123623	4532881.246977914	3060.872416383989	29.931.1852599879	2870.351082158617	2862.3437194717467	68.541787010214
533	144	106353	-1982.141133	886777.3170250766	-39.1029345368656	-100.8694637	338823.8439623239	4532877.24	3068.02791426539	29.928.879625868334	2863.93022607907	2863.422277162368	68.54989608
534	144	106354	-1916.141133	886777.3170250766	-39.1029473368977	-100.8671322	339024.5046355694	4532872.23265197	3067.0899442109	29.928.50525378974	2864.020225535694	2864.200201639664	64.4084938031002
535	144	106355	-1850.141133	886777.3170250766	-39.102960685573	-100.8648008	339225.6316661779	4532869.222734114	3060.044977760915	29.927.004002160478	2862.928492090843	2863.45059704665	64.119032505812886
536	144	106356	-1784.141133	886777.3170250766	-39.1029730588964	-100.8624693	339246.658540547	4532865.220103218	3057.857320670185	29.925.608200644864	2861.3138223267643	2861.942357583325	64.2942185172713
537	144	106357	-1718.141133	886777.3170250766	-39.1029850348464	-100.8601378	339627.6658253039	4532861.21022495	3055.666286373125	29.924.124605214218	2859.2878	2860.09685835969	64.0027216628489
538	144	106358	-1652.141133	886777.3170250766	-39.1029965334436	-100.8578063	339828.718220307	4532857.209201398	3053.47196792244	29.922.625147083177	2857.170315201593	2856.135027240163	65.45484817630176
539	144	106359	-1586.141133	886777.3170250766	-39.1030075816817	-100.8554748	340029.7328234044	4532853.20351541	3053.090951	29.921.112740876876	2855.184129108105	2856.2738152709215	65.92864138
540	144	106360	-1520.141133	886777.3170250766	-39.10310318	-100.8531433	340220.76478371	4532849.18131292	3054.520069578	29.919.891551517027	2853.271114202425	2854.687242236167	63.3178142273762
541	144	106361	-1454.141133	886777.3170250766	-39.1032032770787	-100.8508118	340431.79057192826	4532845.192881182	3055.948398343737	29.918.05508343737	2851.165690435963	2853.822061398544	64.62392719451931
542	144	106362	-1389.141133	886777.3170250766	-39.1033038	-100.8448043	340632.8161151855	4532841.18721027	3057.379091215601	29.916.0123664905286	2850.888625189757	2853.9152725739673	65.6236837155026
543	144	106363	-1322.141133	886777.3170250766	-39.10330472710739	-100.8461489	340833.8422967058	4532837.182951357	3057.11784102567	29.914.961935426307	2850.4497688322593	2855.01304047813	64.51216661037142
544	144	106364	-1256.141133	886777.3170250766	-39.10330560743782	-100.8438174	341034.6076298048	4532833.176271263	3055.1658047425617	29.913.440605158793	2850.27989055748	2856.35621390589	64.52384523047776
545	144	106365	-1190.141133	886777.3170250766	-39.10330641356275	-100.8414859	341235.8930254554	4532829.13780003	3053.217410579203	29.911.83869565329	2850.1675532728885	2857.617417607963	54.1667158300345
546	144	106366	-1124.141133	886777.3170250766	-39.1032720526345	-100.8391544	341436.91823731047	4532825.16948473	3051.267144179503	29.910.26781822946	2850.265302444807	2859.30548088363	60.009737831389
547	144	106367	-1058.141133	886777.3170250766	-39.1031355169354	-100.836155	341625.25237298	4532821.165371034	3049.902571824894	29.908.91962278436	2849.151965113117	2851.689487193476	44.545146812147
548	144	106368	-992.141137	886777.3170250766	-39.103087495464	-100.834914	341838.9930332573	4532817.16154578	3046.703440433234	29.907.047278726837	2850.740543112556	2862.550130162277	56.34568476012752
549	144	106369	-926.141127	886777.3170250766	-39.10309329428804	-100.8321599	342039.9386251374	4532813.17222991	3044.19408828658	29.905.490135130493	2850.744613192438	2862.5542501009178	54.75218294
550	144	106370	-860.141127	886777.3170250766	-39.103093885704	-100.8296284	342241.0186	4532809.15481373	3043.75475336192	29.903.88726392146	2849.122528968767	2858.630943160764	54.764734041269126
551	144	106371	-794.141127	886777.3170250766	-39.103105	-100.8274899	342442.043120453	4532805.105834009	3040.523257178907	29.902.3233688894	2847.1047055226086	2853.782775487086	55.1786313465358
552	144	106372	-728.141127	886777.3170250766	-39.1031102	-100.8251655	342643.0671595911	4532801.147674895	3040.491560433964	29.900.68201341159	2845.24304747759	2859.0593864	55.43889174343569
553	144	106373	-662.141127	886777.3170250766	-39.1031146692591	-100.82284	342844.9917867825	4532798.17652891	3040.45986297888	29.898.91692189052154	2843.7446229732804	2860.9689476978712	54.9844776978712
554	144	106374	-596.141127	886777.3170250766	-39.10311592621054	-100.8205923	343045.119262705	4532793.14126769	3040.428166924584	29.897.401173824069	2843.281071824069	2860.9689476978712	49.617350915671
555	144	106375	-530.141127	886777.3170250766	-39.1031231045863	-100.818171	343246.1368801387	4532791.39337745	3040.036724042194	28.985.900777	2842.08458780869	2847.194445041183	53.69918352
556	144	106376	-464.141127	886777.3170250766	-39.1031264967104	-100.8158395	343467.135887181	4532785.13683735	3038.285534943713	28.983.2554394713	2841.330752491044	2846.79742810244	54.4724298501865
557	144	106377	-398.141127	886777.3170250766	-39.103129438477	-100.8135058	343648.187269536	4532781.134729718	3038.034345845113	28.981.700481160098	2841.748362160206	2846.234720417969	50.97597834875215
558	144	106378	-332.141127	886777.3170250766	-39.103131928797	-100.8111765	343849.2107993076	4532778.132710717	3037.783157	28.979.204811029773	2842.026021195644	2845.644510815403	49.173869614124
559	144	106379	-266.141127	886777.3170250766	-39.1031337052408	-100.808845	344050.2340425028	4532773.130881697	3036.950867625454	28.968.650562953047	2842.594246461268	2845.071259801403	54.71318331763
560	144	106380	-200.141127	886777.3170250766	-39.1031355169354	-100.805135	344251.25237298	4532767.15219332	3036.950867625454	28.968.650562953047	2842.594246461268	2845.071259801403	54.71318331763
561	144	106381	-134.141127	886777.3170250766	-39.1031370193466	-100.8041821	344452.280527877	4532762.12736582	3036.950867625454	28.968.650562953047	2842.594246461268	2845.071259801403	54.71318331763
562	144	106382	-68.1413269	886777.3170250766	-39.1031373913063	-100.801506	344653.301326719	4532761.12635447	3035.89591074737	28.965.0959075759	2842.61749361021	2840.40056421326	49.3957627473784
563	144	106383	-2.14132693	886777.3170250766	-39.103137315064	-100.7995191	344854.325660566	4532757.14563518	3035.49048098107	28.963.550494932288	2840.461789862734	2840.461789862734	54.0110234309594
564	144	106384	63.8586730733514	886777.3170250766	-39.1031374207526	-100.7971876	345055.3484379529	4532753.124586108	3035.1923785	28.962.0747102693	2838.202086	2841.128227425596	49.37038514359285
565	144	106385	129.8586730733514	886777.3170250766	-39.1031367596391	-100.794861	345256.37066475914	4532749.139830434	3034.94319471934103	28.960.587764102933	2838.202086	2841.128227425596	49.37038514359285
566	144	106386	195.8586730733514	886777.3170250766	-39.1031356481397	-100.792546	345457.39374112817	4532745.123087489	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
567	144	106387	261.8586730733514	886777.3170250766	-39.1031340862358	-100.7908138	345658.419244292	4532741.123087489	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
568	144	106388	327.8586730733514	886777.3170250766	-39.10313201741169	-100.7878166	345859.437244292	4532737.123087489	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
569	144	106389	393.8586730733514	886777.3170250766	-39.1031296115873	-100.7855302	346060.450711984	4532733.13028932	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
570	144	106390	459.8586730733514	886777.3170250766	-39.1031281971584	-100.7831987	346261.4807485373	4532729.12392914	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
571	144	106391	525.8586730733514	886777.3170250766	-39.1031233	-100.7808672	346462.502768182	4532725.123974977	3029.951194959483	28.958.2651025678	2838.202086	2841.128227425596	49.37038514359285
572	144	106392	591.8586730733514	886777.3170250766	-39.1031195217745	-100.778537	346663.526758514	4532721.124389421	3029.951194959483	28.958.2651025678	2838.202086	2841.1282274255	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRELEVLogKgf	BRELEVBothKgf	SatHtElevLog.ft	SatHtBothKgf
651	144	06471	58058.8586730335	88677.7170250766	39.310139511016835	-100.5943484	362543.75928242225	4352405.747220395	2855.529382578631	217.4737398315313	2653.229159961409	26.76838355454631	54.20821597012218	40.603520476900485
652	144	06472	58119.8586730335	88677.7170250766	39.31013552676555	-100.5920169	362744.7694012255	4352401.790022412	2868.525196330015	217.6.28836576586	2663.39160330015	26.76752601253547	54.36176451502115	
653	144	06473	58173.8586730335	88677.7170250766	39.3101148751861	-100.589865	36295.7486787424	4352397.98017832	2861.5213991734018	217.5.134724896428	2662.915551617478	26.6548947089457	52.8191733689594	50.4945173300971774
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656	144	06476	61358.8586730335	88677.7170250766	39.31011913950408	-100.582891	363548.80553346	4352385.85512228	2848.1261748170719	217.116773056174018	2658.618626187758	26.62685401625734	53.1219437566438	48.95237040805214
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658	144	06478	62678.8586730335	88677.7170250766	39.310110675649696	-100.5780281	363950.8273	4352377.888068979	2847.2737359738047	217.0.2747317289595	2656.852138772203	26.59581638240784	52.42263784975638	49.6604432147574
659	144	06479	63338.8586730335	88677.7170250766	39.310110636	-100.576966	36415.8365559986	4352373.9083034	2843.5552458802162	217.0.84494545454	2656.1521269846266	26.5847911255520106	53.832352960277	49.6604432147574
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661	144	06481	64658.8586730335	88677.7170250766	39.31009764210122	-100.5710337	364553.854545452	4352365.940725459	2845.038470234797	217.0.6584970324797	2654.0170533948564	26.554.9193384564	51.6147495770423	51.6147495770423
662	144	06482	65318.8586730335	88677.7170250766	39.310093021571383	-100.5687022	36475.863380149	4352361.954584182	2844.9864632042228	217.0.486414845263	2652.5972310475445	26.552.318541844785	51.88918379771849	52.16787300047781
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664	144	06484	66638.8586730335	88677.7170250766	39.3100842323684	-100.5640392	36516.8560539374	4352353.99407349	2842.89343	217.0.270237321	2650.1927431424638	26.549.9149627424	51.88907791	52.1170142640772
665	144	06485	67298.8586730335	88677.7170250766	39.310079635326758	-100.5617078	365357.88896503	4352350.012660318	2841.3743495067733	217.0.6696804277385	2648.727726993104	26.549.9149627424	51.88907791	52.1170142640772
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667	144	06487	68618.8586730335	88677.7170250766	39.3100705904428	-100.5570488	365759.950403352	4352342.49748807	2838.6805396719064	217.0.26984503143571437	2648.73247272111096	26.549.9149627424	49.9200396984314	49.45234842315262
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671	144	06491	71258.8586730335	88677.7170250766	39.31005126962931	-100.5477189	366653.967255173	4352326.1293556	2834.638461709639	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
672	144	06492	71819.8586730335	88677.7170250766	39.3100463486658	-100.5453574	366974.94424313905	4352322.15777319	2832.212939614979	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
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675	144	06495	73388.8586730335	88677.7170250766	39.31003145964421	-100.538393	367367.9681	4352310.26	2826.851604716326	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
676	144	06496	74558.8586730335	88677.7170250766	39.310026354559934	-100.5360616	367568.9730871209	4352306.22600218	2816.6869	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
677	144	06497	75218.8586730335	88677.7170250766	39.31002128	-100.5337301	367769.979558922	4352302.64628846	2815.226929544338	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
678	144	06498	75788.8586730335	88677.7170250766	39.310016129280574	-100.531396	367970.9869743934	4352298.26724647	2813.3850567305	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
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682	144	06502	78518.8586730335	88677.7170250766	39.3099958310555	-100.5220772	368775.012394389	4352282.52006045	2800.152839472	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
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693	144	06513	85678.8586730335	88677.7170250766	39.30993479771466	-100.4964154	370985.012394389	4352238.15524832	2762.8517410474	217.0.266845100859303	2642.420534630635	26.545.376791437133	50.904175175582	49.45234842315262
694	1													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatThLocs.kg.ft	SatThBoth.kg.ft
37	145	106597	-34781.1413	87437.3170250766	39.305895677549266	-102.0258427	239094.6987595006	4355089.014299145	3947.103295483208	37.26.8102753780304	3663.5840822363375	37.26.193456466585	77.6904518899495
38	145	106598	-346521.1413	87437.3170250766	39.3059139435617	-102.0238316	23926.52871975473	4355095.308	3943.022330096126	37.34.5730624516164	3662.0533973366787	37.51.7690582591	73.339562873499
39	145	106599	-345891.1413	87437.3170250766	39.30592652268306	-102.0211184	23946.96482159275	4355097.455187	3943.02084640726	37.35.25989951016	3663.198119370395	71.2325848972884	69.1512101224465
40	145	106600	-345201.1413	87437.3170250766	39.3059654161677	-102.0193418	23968.087652210	4355077.10456373	3938.321772099126	37.30.14109481833	3660.979489008473	36.5523567681234	79.8154728020092
41	145	106601	-344541.1413	87437.3170250766	39.3059907292181	-102.0165181	23989.2170508434	4355073.00323289	3936.54582033245	37.27.9470814136566	3661.127704	36.5623723556337	75.0678075313663
42	145	106602	-343881.1413	87437.3170250766	39.306013559201396	-102.014187	24010.3459786812	4355068.902	3934.765175789224	37.25.78311278078	3661.4463549416314	36.5410973644642	71.6573131720718
43	145	106603	-343221.1413	87437.3170250766	39.306037000455456	-102.0118558	24030.14746848789	4355064.8	3932.590597319657	37.23.605097319657	3661.5341917062085	36.5342342994338	62.07009567133719
44	145	106604	-342561.1413	87437.3170250766	39.306060366363975	-102.009247	240502.603173373	4355069.6959085	3930.02028732984	37.21.4577854044583	3661.52737068208	36.522292846567625	69.22680474769676
45	145	106605	-341901.1413	87437.3170250766	39.306083747868985	-102.00741935	240703.731273976	4355068.226696	3931.249824640726	37.19.25989951016	3661.1039754867154	36.522823633830265	66.222019785301
46	145	106606	-341241.1413	87437.3170250766	39.306107054051654	-102.004652	240904.589110075	4355052.4981134	3927.180281904567	37.17.209420755482	3660.3600597563686	36.52222110428945	65.8459361071235
47	145	106607	-340581.1413	87437.3170250766	39.30613031521574	-102.0025312	24115.8867598453	4355049.39773531	3924.0210143438053	37.15.108490623196	3659.3830272586415	36.493396775657	65.1438583823901
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68	145	106628	-326721.1413	87437.3170250766	39.30660839838729	-101.9535764	245329.6808275832	4354963.34255911	3856.79120122866	36.747253641	36.31813556989124	36.512670451347743	40.69075210245086
69	145	106629	-326061.1413	87437.3170250766	39.3066260686269	-101.9512452	245530.3703324852	4354958.23128939	3856.165919125	36.723845750540595	36.314962921386302	36.523651955283277	39.8159152573184
70	145	106630	-325401.1413	87437.3170250766	39.30665284511394	-101.9489914	245731.8521253407	4354954.142195918	3850.67341810234	36.70.50128049326	36.3128010897170348	36.53435869059663	57.709128375771
71	145	106631	-324741.1413	87437.3170250766	39.3066750503377	-101.946828	245932.973663568	4354950.46	3847.2267572325569	36.68628943245511	36.31450333	36.53680405768157	57.709128375771
72	145	106632	-324081.1413	87437.3170250766	39.306697115967	-101.944625	246148.09457383	4354945.95011706	3847.063417820298	36.67103417820298	36.3128010897170348	36.53435869059663	57.709128375771
73	145	106633	-323421.1413	87437.3170250766	39.30671930099702	-101.9415204	246326.2519936068	4354941.8556002	3845.8948123908	36.6480414531813	36.309789349213425	36.530565169933837	50.0457961047481
74	145	106634	-322761.1413	87437.3170250766	39.30674134644951	-101.9395892	246536.3368034892	4354937.76041187	3843.64046059549	36.6229394557903	36.31023286	36.531862640170018	46.0924363129581
75	145	106635	-322141.1413	87437.3170250766	39.30676334686417	-101.937258	246737.541016889	4354933.65437828	3841.7093315451783	36.60100834	36.51512725100835	36.5299672367881	45.49563368768481
76	145	106636	-321441.1413	87437.3170250766	39.30678530225186	-101.9349268	246938.577097954	4354929.57068236	3839.022043587076	36.5950753616789993	36.511249414104994	36.548726294430265	44.743457531316
77	145	106637	-320781.1413	87437.3170250766	39.3068072126182	-101.9325956	247139.697735015	4354925.47069834	3836.3339287828476	36.571320827828476	36.50777699595646	36.5068273921713948	50.0457961047481
78	145	106638	-320121.1413	87437.3170250766	39.3068297794631	-101.9302464	247340.8165191408	4354921.38711184	3835.6554914770836	36.555179470836	36.50937466011578	36.50878681586037	55.42324310153
79	145	106639	-319461.1413	87437.3170250766	39.306850779638394	-101.927987	247548.9490125443	4354918.726848021	3834.31957869503	36.54135147222477	36.507117530651284	36.51874161703684	50.0457961047481
80	145	106640	-318801.1413	87437.3170250766	39.30687677352351	-101.925602	247743.05635709	4354913.19325054	3833.048761342224	36.51.25201219294	36.5054751580428	36.515108339963	52.7054963129581
81	145	106641	-318141.1413	87437.3170250766	39.30689440378443	-101.9232708	247944.17537040936	4354909.097295575	3831.540289	36.49.2808916755057	36.51471059183354	36.51081155918674	50.0457961047481
82	145	106642	-317481.1413	87437.3170250766	39.30691609011414	-101.9209396	248145.29415472932	4354906.00123428	3830.0301701390577	36.47.507803471364	36.507577802521368	36.51678451256705	33.169343089173835
83	145	106643	-316821.1413	87437.3170250766	39.30693772920814	-101.9186084	248346.4128696334	4354903.91271166	3828.9953921316	36.45.32777807731	36.5158360457905	36.517812473482609	34.11281434372
84	145	106644	-316161.1413	87437.3170250766	39.30696392437887	-101.9162771	248547.5307954458	4354900.9149277	3825.445271556583	36.43.364648182937	36.51128138717734	36.517612653267825	57.7091283757

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SatHtElev.f	SatHtBoth.f
163	145	16723	-264021.1413	887437.3170250766	39.0852033635992	-101.732107	2644435	1059896616	43455470.67222826	3711.5346	3501.0221557883397	3444.8828903565048	3450.8879475461677	56.13927543
164	145	16724	-263631.1413	887437.3170250766	39.30845140	-101.7297757	264386	20491445252	434556939490166	3705.38427384755	3499.050757663393	3443.5503228167337	3471.514877054808	52.08626959451234
165	145	16725	-262701.1413	887437.3170250766	39.308456391676	-101.727444	264837	3036959081	4345485111950793	3707.233955651342	3498.19685333542	3442.249175	3443.400316363816	54.78923719269021
166	145	16726	-262041.1413	887437.3170250766	39.3065768986633	-101.725113	264501	402542522	434556138404697	3709.46356582464	3490.39085643	3440.493159158417	3440.676337577696	56.29909240561185
167	145	16727	-261381.1413	887437.3170250766	39.308594754639095	-101.7227817	265239	5905728379	4345557375451871	3702.74312530342	3493.396567179049	3438.6569729651733	3438.7089385444015	56.738682413875786
168	145	16728	-260721.1413	887437.3170250766	39.30611256738142	-101.7204504	265440	59866152063	4345533.68402302	3701.201253403342	3494.03377622773	3436.823056549117	3437.1703800515648	56.9830176476605
169	145	16729	-260061.1413	887437.3170250766	39.3063033059332	-101.7181191	265641	69651814958	434546360725994	3697.68190485008	3492.6155371548443	3435.117856041777	3435.392671373959	57.2562998124247
170	145	16730	-259401.1413	887437.3170250766	39.30648057774725	-101.7157878	265842	7941439517	4345545.527152931	3695.151727306393	3491.2309753974187	3434.78737578203	3433.767051079117	57.5881016359984
171	145	16731	-258741.1413	887437.3170250766	39.3066572542562	-101.7134564	266043	8915381995	4345454145077313	3689.2673647767942	3489.8468525081926	3431.5562421149415	3432.024303543099	58.32043139425104
172	145	16732	-258081.1413	887437.3170250766	39.3068336804599	-101.7111251	266244	9870171706	434553734586524	3688.25086257655	3488.61739552891	3429.959302417105	3428.142145259811	58.86543723567016
173	145	16733	-257421.1413	887437.3170250766	39.3067005563575	-101.7087938	266446	10856333884	4345521787459162	3687.217847591132	3477.07142964132	3427.534555574059	3428.099448045916	58.92700991821637
174	145	16734	-256761.1413	887437.3170250766	39.3087185	-101.7064624	266647	18247	4345452923	3683.10582530277	3485.672542585606	3425.201437606332	3425.886278619469	59.470816652318465
175	145	16735	-256101.1413	887437.3170250766	39.30873595972341	-101.7041311	266848	2788058183	4345525.147180809	3679.106171827803	3484.262476317715	3422.923932462351	3422.96512728369	61.06595734710254
176	145	16736	-255441.1413	887437.3170250766	39.30873448221214	-101.7017998	267049	3750465413	4345421.07172265	3674.087570491555	3482.839254751455	3420.469180201048	3420.875900679343	61.96402475969417
177	145	16737	-254781.1413	887437.3170250766	39.3087705568835	-101.6994885	267250	47105119364	4345416.995651837	3668.067491955854	3481.0274469003154	3417.813644413974	3417.839623437967	63.428117781686
178	145	16738	-254121.1413	887437.3170250766	39.30878821812472	-101.6971371	267451	56683797036	4345451.02124499	3664.044781919476	3479.949437680625	3414.683200967853	3414.947659420168	65.2662307140536
179	145	16739	-253461.1413	887437.3170250766	39.30880553530304	-101.6948408	267652	66238910414	4345464.72609341	3661.18990485113	3478.4789035157003	3411.711293362124	3411.3037499629336	67.30731118
180	145	16740	-252801.1413	887437.3170250766	39.3088220790505	-101.6924745	267853	7577107743	4345504.724490361	3660.492530595034	3476.985244879199	3407.3638671910244	3407.6651775697455	69.49754048240206
181	145	16741	-252141.1413	887437.3170250766	39.3084004	-101.6901431	268054	85280319344	4345406.629670152	3659.78515614828	3475.477022419513	3403.359628	3403.488460470572	72.02905814895858
182	145	16742	-251481.1413	887437.3170250766	39.3085721756203	-101.6878118	268255	9477	4345446.63236601	3659.091771770292	3474.318867286154	3399.428902342631	3399.428902342631	74.5100731284028
183	145	16743	-250821.1413	887437.3170250766	39.3087435484415	-101.6854804	268467	104230110726	4345492.54952043	3658.95262294472	3472.380986392342	3396.2048156530077	3396.284110846548	76.17615271091472
184	145	16744	-250161.1413	887437.3170250766	39.3088147095334	-101.6831491	268658	1367070108	4345448.57417053	3656.359769682257	3470.792064185238	3393.539802	3393.172097580466	76.6189473385922
185	145	16745	-249501.1413	887437.3170250766	39.3089584315549	-101.6808172	268843	140174344	4345484.04718414	3654.42964371842	3468.298011	3392.92157131642	3392.92157131642	78.0136299296987
186	145	16746	-248841.1413	887437.3170250766	39.30892549504756	-101.6784864	269060	324837351	4345480.3259766	3657.523217172527	3470.4906414181748	3390.8671057416108	3390.8671057416108	79.0232572950815
187	145	16747	-248181.1413	887437.3170250766	39.3089425	-101.6761551	269261	418554968	4345464.725	3659.84237	3465.8247748789	3388.59867273114	3388.99614517906	79.2440774075752
188	145	16748	-247521.1413	887437.3170250766	39.3089365789974	-101.6738237	269462	512048385	4345472.18187494	3658.77234968123	3464.13806753707	3386.671970805603	3387.041292	77.4550985684415
189	145	16749	-246861.1413	887437.3170250766	39.3089762328896	-101.6714924	269663	6053142016	4345404.89872249	3652.4042718092965	3384.871550584355	3385.2110381628145	3385.2110381628145	77.9323283
190	145	16750	-246201.1413	887437.3170250766	39.3089305495079	-101.669161	269864	69835261256	4345444.03626625	3656.63429290648	3646.658428484621	3383.363401739916	3383.693274273301	77.29478831070219
191	145	16751	-245541.1413	887437.3170250766	39.3089593188447	-101.666827	270055	7811962658	4345431.051345475	3654.42964371842	3468.298011	3392.92157131642	3392.92157131642	78.548517781686
192	145	16752	-244881.1413	887437.3170250766	39.3089435396955	-101.6644483	270244	8819498	4345455.891498	3651.091731	3457.177952591414	3390.084517039996	3390.084517039996	79.8532530574914
193	145	16753	-244221.1413	887437.3170250766	39.30904325056819	-101.662167	270467	97671	4345441.81923204	3647.753841714497	3455.506252963955	3378.07299	3377.952354649824	77.4839314204566
194	145	16754	-243561.1413	887437.3170250766	39.3090589898815	-101.6598357	270669	106826363245	4345445.74735018	3644.61371449418	3453.954242639385	3376.568617	3376.34980446694	77.5543262370915
195	145	16755	-242901.1413	887437.3170250766	39.3090764898081	-101.6575043	270870	16014082317	4345443.676	3642.393151	3452.6118559561846	3375.954036481395	3375.954036481395	76.6578194747845
196	145	16756	-242241.1413	887437.3170250766	39.3090304168418	-101.6551729	271071	25181913446	4345436.604059644	3641.6841807553546	3445.50257867365	3376.268195022022	3376.268195022022	75.5315871280526
197	145	16757	-241581.1413	887437.3170250766	39.3091095480587	-101.6528416	271272	34324714933	4345445.32701537	3640.973943271337	3377.176662247163	3377.176662247163	3377.176662247163	73.6671738557996
198	145	16758	-240921.1413	887437.3170250766	39.309126013447	-101.6505102	271472	434980565	4345431.051345475	3640.973943271337	3450.190163833947	3376.40163833947	3376.40163833947	71.7121723
199	145	16759	-240261.1413	887437.3170250766	39.3091424271275024	-101.6481789	271622	549590967	4345427.9065451	3638.643628019191	3449.72803892433946	3380.081942002583	3380.081942002583	69.9199770439556
200	145	16760	-239601.1413	887437.3170250766	39.30915879837964	-101.6458475	271875	6163	4345423.91875456	3638.003873834	3449.323521901782	3380.528337170617	3380.528337170617	68.79518473116514
201	145	16761	-238941.1413	887437.3170250766	39.30917512559897	-101.6435162	272076	7068253177	4345441.794919848	3648.95447764894	3448.95447764894	3378.0231547935236	3378.0231547935236	70.73160204414899
202	145	16762	-238281.1413	887437.3170250766	39.30919140729666	-101.6411848	272277	7972508815	4345441.17804053	3637.971900614639	3448.601820087618	3374.526670862703	3374.526670862703	74.10389125170109
203	145	16763	-237621.1413	887437.3170250766	39.309207643953826	-101.6388835	272478	8873174865	4345441.10804055	3636.78480136438	3448.2516211597867	3371.239168678814	3371.239168678814	77.01393728789304
204	145	16764	-236961.1413	887437.3170250766	39.3092233557396	-101.6365221	272679	9772280877	43454407.0389706	3634.963305331183	3447.12683073856	3368.2112683073856	3368.2112683073856	76.9913697630394
205	145	16765	-236301.1413	887437.3170250766	39.3092403152415	-101.6342677	272865	107182628	4345439.47681348	3632.9980978781342	3446.47681348	3366.47681348	3366.47681348	73.6671738557996
206	145	16766	-235641.1413	887437.3170250766	39.30925603735676	-101.6318594	273022	1563800417	4345437.310353257	3637.18162347945	3443.3206636825255	3363.456688628327	3363.456688628327	73.7249061120324
207	145	16767	-234981.1413	887437.3170250766	39.3092714206634	-101.629528	273283	2451159926	4345394.829734693	3629.6614970305845	3446.795912227448	3361.0772103242964	3361.0772103242964	84.60218470439334
208	145	16768	-234321.1413	887437.3170250766	39.3092815176528	-101.6271966	273484	3344927345	4345394.760499674	3628.16276923569	3446.79427160034	3359.461746033603	3359.461746033603	74.7667473
209	145	16769	-233661.1413	887437.3170250766	39.3093041823251	-101.6248653	273685	4232503587	4345394.681457621	3626.406402820515	3445.919808011134	3358.0257585391627	3358.0257585391627	84.3695128420344
210	145	16770	-233001.1413	887437.3170250766	39.30932039667966	-101.6225338	273886</							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevKgs.ft	SurfElev.ft	W.Lt.
28	145	106849	-180861.1413	887437.3170250766	39.1043553028012	-101.43863	289771.8180254774	4354061.793	3425.1671071985675	3324.2732389187603	3300.4957193293437	3300.9745533212927	42.777615354723366	42.29838368687606
290	145	106850	-180201.1413	887437.3170250766	39.10447849063936	-101.4360215	289972.88956031986	4354057.739	3423.501766955237	3342.0765091312234	3301.3896797566096	3302.6771431819302	40.680621571574747	39.3930870392071
291	145	106851	-179681.1413	887437.3170250766	39.1046012285384	-101.4336901	290178.3692869854	4354053.88954392	3421.9065152015268	3340.893943004723	3303.6089484121567	3308.7890480958944	42.014472281995176	37.28540401904524
292	145	106852	-178881.1413	887437.3170250766	39.1047235158992	-101.4313586	290347.7235104119284	4354049.632902395	3420.387519530382	3339.7426767	3301.677968015783	3305.11275772748027	38.04604742054184	34.6209511583164
293	145	106853	-178221.1413	887437.3170250766	39.1048453529192	-101.4290272	290576.10212563605	4354045.580024732	3418.86186694345	3338.616890214234	3299.9415967234613	3324.273262452495	36.8499229762635	34.3792637617385
294	145	106854	-177561.1413	887437.3170250766	39.104967395992	-101.426958	290777.1726	4354041.527373945	3417.5041052434874	3337.514406106213	3297.703334677026	3303.9970323484767	38.11703714291876	33.51173237321364
295	145	106855	-176901.1413	887437.3170250766	39.1050877	-101.4243643	290978.2438356055	4354037.475	3417.606671445504	3336.4313984578	3295.54474525187	3304.6153551862863	40.8856942059072	31.8176045915974
296	145	106856	-176241.1413	887437.3170250766	39.1052081619384	-101.4220329	291179.313036458	4354033.422617677	3419.651126594584	3335.370065707343	3293.85639174883	3306.6523034185763	41.51322979	28.9176228815187
297	145	106857	-175581.1413	887437.3170250766	39.1053281975986	-101.4197014	291398.3692869854	4354029.370252774	3417.689582145663	3334.25533970789	3292.31108647669	3308.435894212567	42.014472281995176	37.28540401904524
298	145	106858	-174921.1413	887437.3170250766	39.1054477829145	-101.41737	291581.4526161236	4354025.319	3417.740037455945	3333.289978429513	3291.07584576193	3301.471655430501	42.22239356758244	31.88132320545382
299	145	106859	-174261.1413	887437.3170250766	39.1055691789095	-101.4150385	291782.5803931227	4354021.26932355	3424.6137123844767	3332.2894944384843	3290.027518483358	3329.423491359497	42.66197559	39.8565303203734
300	145	106860	-173601.1413	887437.3170250766	39.10568560252605	-101.4127071	291983.591376579	4354017.215	3424.3166067552637	3331.2997018964515	3289.180348062515	3288.45256861802	42.1193530902009	42.8471360349443
301	145	106861	-172941.1413	887437.3170250766	39.105803368193	-101.4103756	292184.660442804	4354013.164088558	3424.0195011145637	3330.301768895843	3288.47605402617	3287.605421850784	42.653052363748	42.74295286477587
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333	145	106893	-151821.1413	887437.3170250766	39.10934936552797	-101.3357689	298618.746051534	4353868.632						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
415	145	106975	-97701.14133	87473.3170250766	39.31163305061782	-101.1445864	315105.2456684174	43335352.571845976	3270.368470341549	3055.297549095179	3006.6119548883046	3006.663156874182	48.68559036874474	48.63393403
416	145	106976	-97041.14133	87473.3170250766	39.31163964936308	-101.1225459	315306.2927	43335348.542582168	3268.396956304576	3053.76739	3003.789518177167	3003.789518177167	49.58230871223532	49.58230871223532
417	145	106977	-96381.14133	87473.3170250766	39.31164629343081	-101.1389234	315697.339030284626	43335345.13511725	3264.424768565933	3049.010891124297	3000.858794290459	3000.858794290459	50.68020533037897	50.68020533037897
418	145	106978	-95721.14133	87473.3170250766	39.311652849629676	-101.1375199	315708.3895235854	43335340.48483638	3264.4529420072586	3049.802036952096	2998.20173925701	2998.07184381609	51.61856973459544	51.7464608049074
419	145	106979	-95061.14133	87473.3170250766	39.31166593789372	-101.1352604	315909.4323240615	43335336.455494898	3268.74649696707	3048.181021931845	2995.333674466858	2995.173254440037	52.8473841632669	53.0074884651708
420	145	106980	-94401.14133	87473.3170250766	39.31166582212184	-101.1329288	316110.4785083549	4333532.427	3256.02890545879	3046.60136018199	2992.58766673684	2992.36047777029	54.0164894288304	54.200814091706
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422	145	106982	-93081.14133	87473.3170250766	39.31167861546771	-101.1282658	316512.570344317	43335324.371	3246.111427116105	3043.587745855433	2989.333513100752	2989.15682222975	54.2423258476603	54.43092435818174
423	145	106983	-92421.14133	87473.3170250766	39.311684454586524	-101.1258343	316713.31569284457	43335320.343070718	3242.7580724282977	3042.138522220004	2988.551915467123	2988.464026393376	54.57889776329194	54.6844682633676
424	145	106984	-91761.14133	87473.3170250766	39.31169122869503	-101.1236293	316914.8614619593	43335316.13537082	3241.01162750549	3040.6992137045822	2987.720527949282	2987.6782415458914	54.969657525393	55.029720569806
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438	145	106998	-82521.14133	87473.3170250766	39.31177447008164	-101.090915	32197.2793087509	43335259.722679	3213.7151814036	3022.55812009483	2968.957006835457	2967.153091	55.6621041413727	55.40520926904282
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441	145	107001	-80541.14133	87473.3170250766	39.31179167450942	-101.083969	320332.407189328	43335247.87208602	3210.981056435607	3019.038682381115	2962.138662530007	2961.89288408409154	55.3618209991025	55.79139188608
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447	145	107007	-76581.14133	87473.3170250766	39.31182333	-101.0699777	321538.5682123927	43335232.730341528	3206.72529003933	3012.595057689426	2956.0221777380556	2955.284973737985	55.6217834888697	55.61310240995774
448	145	107008	-75921.14133	87473.3170250766	39.3118283573493	-101.0674662	321739.6994377337	43335231.707	3207.559408978138	3011.56177098364	2954.273096143815	2954.273096143815	55.28868095359756	55.2706896354921
449	145	107009	-75261.14133	87473.3170250766	39.31183389369702	-101.0653147	321940.744898187	43335231.68428137	3206.271594789433	3010.5403895267896	2954.7630371736284	2954.7630371736284	55.250536292594	55.247786029
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451	145	107011	-73941.14133	87473.3170250766	39.311843875140596	-101.060616	322342.8226905205	43335230.88919123	3206.17758	3008.531941759758	2953.8842216	2952.26287214268	55.7689720880807	55.769054459205
452	145	107012	-73281.14133	87473.3170250766	39.3118488902024	-101.0583201	322543.8625955074	43335230.61541235	3206.08971965476	3007.544202818452	2953.329149	2953.5007491249635	55.742150542315427	55.74043536934656
453	145	107013	-72621.14133	87473.3170250766	39.31185387628211	-101.0559886	322744.9025644074	43335229.59453418	3207.223817153476	3006.567598228825	2953.22264652276	2953.2021745234153	55.23852137654876	55.23852137654876
454	145	107014	-71961.14133	87473.3170250766	39.31185880921695	-101.053657	322945.943174967	43335235.5738661	3206.7368375428	3005.603281875694	2953.5742484918425	2953.4967114484814	55.6960633839268	55.7133570908805
455	145	107015	-71301.14133	87473.3170250766	39.3118639716962	-101.051325	323146.9831473208	43335235.0553959	3206.7368375428	3005.603281875694	2953.5742484918425	2953.4967114484814	55.6960633839268	55.7133570908805
456	145	107016	-70641.14133	87473.3170250766	39.31186854008484	-101.048994	323348.22046435	43335237.5289402963	3206.296759540666	3003.711657	2952.12585484675	2952.147179627077	55.6949047893195	55.6949047893195
457	145	107017	-69981.14133	87473.3170250766	39.31187369156384	-101.046703	323549.464869897	43335237.5289402963	3206.296759540666	3003.711657	2952.12585484675	2952.147179627077	55.6949047893195	55.6949047893195
458	145	107018	-69321.14133	87473.3170250766	39.31187900809175	-101.0443309	323750.102296545	43335237.5289402963	3206.296759540666	3003.711657	2952.12585484675	2952.147179627077	55.6949047893195	55.6949047893195
459	145	107019	-68661.1413											

ix	iy	ic	ix	iy	ic	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	SatHtKgr.f	SatBtKgr.f
541	145	10701	-1.4541.14133	887437	312025766		39.3211558727199	-00.8508131	443545.7993855268	4530346.389189004	3059.5031040120293	271.754196669778	2850.6888600715286	2853.722639044875	64.031.367490036
542	145	10702	-1.3891.14133	887437	312025766		39.32116548012625	-00.848418	440636.82126536	4530342.3939414	3060.419796539659	2916.1931171735949	2850.1797451577031	2853.854195023323	62.338962336346
543	145	10703	-1.3221.14133	887437	312025766		39.3211742716224	-00.84615	44067.8507136094	4530338.378928691	3068.70636276328	2914.6229003944737	2848.478417484315	2853.164825451023	63.139673460369
544	145	10704	-1.2561.14133	887437	312025766		39.3211835328264	-00.8438185	441038.876143731	4530334.3409409	3067.173171193684	2913.00180233264	2855.151230873268	64.041.1731157927	57.5290702566043
545	145	10705	-1.1901.14133	887437	312025766		39.32119180172385	-00.8414869	441239.9012504846	4530330.369448623	3055.01801001298	2911.4562608407638	2848.7255512593365	62.3700698142774	54.768097298137945
546	145	10706	-1.1241.14133	887437	312025766		39.3211998	-00.8391554	441440.2664279573	4530326.364990533	3052.67846007996	2909.8567982770146	2848.549363085927	61.307435192734	51.75647885124545
547	145	10707	-1.0581.14133	887437	312025766		39.3212021215969	-00.8368238	441641.95161093655	4530322.360371726	3050.4343820472393	2908.2484324130005	2848.319002245597	59.2695460419279	48.96839372141
548	145	10708	-0.9921.14133	887437	312025766		39.3212142067767	-00.8344923	441842.9746251129	4530318.356689589	3048.2996154339025	2908.6411868520685	2848.0441051051894	58.58774141537914	46.99223891755664
549	145	10709	-0.9261.14133	887437	312025766		39.321217427158534	-00.8321697	442044.0010855324	4530314.352775933	3046.16486826056	2905.300747124287	2847.416281886545	58.58192688051146	46.0963807324112
550	145	10710	-0.8601.14133	887437	312025766		39.3212229	-00.8296292	442245.0255923056	4530310.34509342	3044.030082	2903.280351965548	2846.250596979988	57.1253918774474	45.8018431343363
551	145	10711	-0.7941.14133	887437	312025766		39.3212324900803	-00.8274976	442445.04984590743	4530306.345811795	3043.12370627556	2901.750815237086	2844.682485	56.82527814982416	44.96932041292166
552	145	10712	-0.7281.14133	887437	312025766		39.3212376837846	-00.8251661	442647.0741462767	4530302.34269173	3043.414133366434	2900.123826007452	2843.14941290936	56.0545835	47.497798518
553	145	10713	-0.6621.14133	887437	312025766		39.3212424271087	-00.8228345	442848.09819370555	4530298.339147399	3043.715389675317	2898.501263	2841.6929752320528	54.97802714556719	49.22821620205165
554	145	10714	-0.5961.14133	887437	312025766		39.3212472006156	-00.820053	443049.1220880415	4530294.336	3044.016466	2896.84989199126	2840.679623529708	54.280319921731	46.103260413023
555	145	10715	-0.5301.14133	887437	312025766		39.3212560626434	-00.8181715	443250.1458305677	4530290.33374522	3043.70115155103	2895.2798767094585	2840.0896116484473	54.280319921731	46.103260413023
556	145	10716	-0.4641.14133	887437	312025766		39.32126305483396	-00.8158399	443451.1694	4530286.33023399	3042.79727191752	2893.670657439023	2839.6862790521	54.280319921731	46.103260413023
557	145	10717	-0.3981.14133	887437	312025766		39.321269689315	-00.8135084	443652.192858132	4530282.32862477	3041.884092282434	2892.068386916816	2839.5990321192176	54.280319921731	46.103260413023
558	145	10718	-0.3321.14133	887437	312025766		39.321259381614	-00.8111768	443853.21613433985	4530278.326391477	3040.970811262937	2890.507861502835	2839.686063158013	54.280319921731	46.103260413023
559	145	10719	-0.2661.14133	887437	312025766		39.3212614232583	-00.8088453	444054.2392780378	4530274.32411199	3039.7804376862164	2888.9413476862164	2839.438960642083	54.280319921731	46.103260413023
560	145	10720	-0.2001.14133	887437	312025766		39.321263	-00.8065137	444255.262606307	4530270.32260126	3038.3427344161655	2887.388645618393	2838.7440047189284	54.280319921731	46.103260413023
561	145	10721	-0.1341.14133	887437	312025766		39.3212640633834	-00.8041822	444456.2805919252	4530266.31020618	3038.895029174536	2885.854050096001	2837.85181904011	54.280319921731	46.103260413023
562	145	10722	-0.0681.14133	887437	312025766		39.3212645031234	-00.8018506	444657.271712535	4530262.32	3035.44732356247	2884.2657177070131	2837.132678144085	54.280319921731	46.103260413023
563	145	10723	-0.0021.14133	887437	312025766		39.32126493143415	-00.7995299	444857.2385447556	4530258.32	3032.9757937785	2883.3757937785	2836.164871986221	54.280319921731	46.103260413023
564	145	10724	0.0638.85677033514	887437	312025766		39.3212648719745	-00.7971875	445059.3528006125	4530254.31760909	3032.245704003697	2881.205897255956	2836.043713214735	54.280319921731	46.103260413023
565	145	10725	0.1298.85677033514	887437	312025766		39.3212641804415	-00.794856	445260.3749082051	4530250.36122795	3030.5940092135697	2879.5117328232883	2834.753435993127077	54.280319921731	46.103260413023
566	145	10726	0.1958.85677033514	887437	312025766		39.3212631065425	-00.7925244	445461.396860758	4530246.31587173	3028.9242234772287	2878.20642892141	2833.069732326902	54.280319921731	46.103260413023
567	145	10727	0.2618.85677033514	887437	312025766		39.3212615446696	-00.7901929	445662.81897387594	4530242.35142382	3026.9841341268987	2876.8914341268987	2831.534231399263	54.280319921731	46.103260413023
568	145	10728	0.3278.85677033514	887437	312025766		39.3212599632324	-00.7878814	445863.440	4530238.31143096	3022.471987198296	2875.428889291265	2827.632221484023	54.280319921731	46.103260413023
569	145	10729	0.3938.85677033514	887437	312025766		39.321259681035	-00.785528	446064.4625200866	4530234.31	3020.3757937785	2873.96467260386	2824.61851941894	54.280319921731	46.103260413023
570	145	10730	0.4598.85677033514	887437	312025766		39.3212591282328	-00.7831983	446265.31174811	4530230.315174811	3018.318476	2871.50458952485	2822.50458952485	54.280319921731	46.103260413023
571	145	10731	0.5258.8567703351	887437	312025766		39.32125508	-00.7808667	446466.5051	4530226.31547971	3017.423773634423	2869.413839070856	2818.75369819148	54.280319921731	46.103260413023
572	145	10732	0.5918.8567703351	887437	312025766		39.3212607977373	-00.7785352	446667.5620300933	4530222.31966845	3011.251362383322	2869.564028770986	2816.62371958662	54.280319921731	46.103260413023
573	145	10733	0.6578.8567703351	887437	312025766		39.32126247156371	-00.7762036	446868.547406904	4530218.317	3008.26231334044	2868.07530243731	2814.5819457020225	54.280319921731	46.103260413023
574	145	10734	0.7238.8567703351	887437	312025766		39.32123800116574	-00.7738721	447069.56822374056	4530214.31	3005.27567828056	2865.570630436405	2813.0358969066705	54.280319921731	46.103260413023
575	145	10735	0.7898.8567703351	887437	312025766		39.3212598663963	-00.7715479	447270.5888566034	4530210.318580348	3002.87655215103	2865.058860712684	2811.76353898041	54.280319921731	46.103260413023
576	145	10736	0.8558.8567703351	887437	312025766		39.3212272110985	-00.7692899	447477.6285447556	4530206.32	3000.35511016484	2863.51532448216	2810.29151541894	54.280319921731	46.103260413023
577	145	10737	0.9218.8567703351	887437	312025766		39.3212212	-00.7665874	447672.6299381288	4530202.31272883	2998.20457451907	2861.952234572147	2810.057297599934	54.280319921731	46.103260413023
578	145	10738	0.9878.8567703351	887437	312025766		39.321216345691	-00.7645459	447873.6507236907	4530200.322004185	2997.448496021158	2860.3510804198236	2809.636711621195	54.280319921731	46.103260413023
579	145	10739	1.0538.8567703351	887437	312025766		39.3212076732424	-00.7622143	448074.6704166371	4530196.32	2995.49788912166	2858.70826245835	2809.367495431865	54.280319921731	46.103260413023
580	145	10740	1.1198.8567703351	887437	312025766		39.3212003	-00.7598828	448275.69041217817	4530192.32	2993.6108595345	2857.011835981264	2808.591650512514	54.280319921731	46.103260413023
581	145	10741	1.1858.8567703351	887437	312025766		39.3211923894749	-00.7575513	448476.710260260	4530188.3289818	2991.335748147377	2855.2667315386	2806.811192294536	54.280319921731	46.103260413023
582	145	10742	1.2518.8567703351	887437	312025766		39.321184720346	-00.7552197	448677.7299617867	4530184.3123426	2989.2546877354107	2853.43931370005	2804.75195766521	54.280319921731	46.103260413023
583	145	10743	1.3178.8567703351	887437	312025766		39.3211732685551	-00.7529889	448878.6987256184	4530180.3190968	2987.26974591484	2851.4987689473	2803.931976145303	54.280319921731	46.103260413023
584	145	10744	1.3838.8567703351	887437	312025766		39.321160690407	-00.7505719	449079.7688243946	4530176.336891941	2986.1615588995014	2849.41598778917	2802.75238331277	54.280319921731	46.103260413023
585	145	10745	1.4498.8567703351	887437	312025766		39.3211564174872	-00.7482251	449280.7881859485	4530172.3396413	2984.793159812914	2847.168667892354	2801.36200812828	54.280319921731	46.103260413023
586	145	10746	1.5158.8567703351	887437	312025766		39.32114629852765	-00.7458935	449481.8070313976	4530168.32479425	2983.28470726311	2844.72089549143	2800.391784026	54.280319921731	46.103260413023
587	145	10747	1.5818.8567703351	887437	312025766		39.3211375292673	-00.743562	449682.826708413	4530164.3613591	2981.93961153348	2842.08738134624	2800.391784026	54.280319921731	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRELEV.KgRg.ft	BRELEV.KgRg.ft	SatBthLogKgr.ft	SatBthBoth.ft	
667	145	107227	68616.85867307335	887437.3170250766	39.3118830986269	-100.5570398	365763.8892238133	4325343.228061469	2636.85251275921	2697.49305970903	2690.860004844306	2651.7614504327817	46.3330548659739	31.731609271271606
668	145	107228	68617.85867307335	887437.3170250766	39.3118783576226	-100.5547073	365964.89750471722	4325329.364759091	2636.522489	2696.260516766474	2648.1072043373497	2650.0524683993112	48.17781443168769	48.22804637116116
669	145	107229	68618.85867307335	887437.3170250766	39.3118726	-100.5523255	365751.9468337047	4325325.365457357	2636.192426934997	2695.246097400254	2648.1072043373497	2650.0524683993112	47.80479311888708	47.80479311888708
670	145	107230	70598.85867307335	887437.3170250766	39.3118684881147	-100.5504472	366183.621200739	4325331.284721635	2635.862372931293	2693.8453173030794	2641.30130667	2647.267349841493	52.5417011890384	48.6768164158965
671	145	107231	71258.85867307335	887437.3170250766	39.3118640078112	-100.5477127	366567.91975951387	4325327.303867919	2633.93216876657	2692.8652552880306	2638.408511336222	2642.407537	54.21204305180848	50.21307179458054
672	145	107232	71918.85867307335	887437.3170250766	39.31185912371416	-100.5453811	366786.9270703975	4325323.3440099	2630.40348907668	2691.387411945327	2635.969697875989	2639.072542119877	54.40041406933824	52.31486982333045
673	145	107233	72578.85867307335	887437.3170250766	39.31185413608012	-100.5430496	366969.934328576	4325325.193042849	2626.874256928014	2690.1392048	2634.1742719729293	2636.20305952713	54.690254962748	53.938074092536074
674	145	107234	73238.85867307335	887437.3170250766	39.311849218467884	-100.5407181	367170.9414072505	4325315.362915131	2626.864648	2693.257576920693	2634.26011896747141	265.0669278307693	54.262600569629285	54.262600569629285
675	145	107235	73988.85867307335	887437.3170250766	39.31184419691084	-100.5383655	367371.9468337047	4325311.362915131	2626.864648	2695.246097400254	2634.26011896747141	265.0669278307693	54.262600569629285	54.262600569629285
676	145	107236	74518.85867307335	887437.3170250766	39.31183913307771	-100.536055	367572.9515124214	4325307.403147424	2627.108670259687	2696.15745095324	2634.26011896747141	265.0669278307693	51.191474536381175	51.191474536381175
677	145	107237	75258.85867307335	887437.3170250766	39.3118340222772	-100.5337235	367737.9618031195	4325303.423840465	2614.12750602762	2684.682015046693	2631.2087973988373	2631.2087973988373	51.473217648554	51.473217648554
678	145	107238	75878.85867307335	887437.3170250766	39.3118286675418	-100.531392	367974.968347475	4325299.441373131	2611.1463417952864	2683.14320000015	2629.310830808026	2636.5890484521888	53.8326911998925	51.154154862612
679	145	107239	76538.85867307335	887437.3170250766	39.31182366721109	-100.529064	368175.974742225	4325295.464915713	2608.69456915713	2681.56296599026	2627.057067491873	2631.60851925302	54.05099911	44.9608007399405
680	145	107240	77198.85867307335	887437.3170250766	39.3118184185847	-100.5267289	368376.95105405236	4325291.485832403	2606.758576743928	2679.917590059263	2625.226880072633	2633.00575090254	44.7390709802682	46.95618391503649
681	145	107241	77958.85867307335	887437.3170250766	39.3118134146227	-100.5243974	368567.98721707118	4325287.507038881	2604.88217464397	2678.3542946760813	2623.8051520302693	2629.63392529569	44.71605173121241	44.71605173121241
682	145	107242	78518.85867307335	887437.3170250766	39.31180779602954	-100.5221695	368778.9932537874	4325283.53826527	2602.8956661772104	2676.748587673733	2622.820678038334	2626.967208876065	53.9278808983395	53.9278808983395
683	145	107243	79178.85867307335	887437.3170250766	39.31180241566034	-100.5197343	368979.9949161021	4325279.549802473	2600.490518275983	2675.748718	2622.3106829120993	2624.578319104246	53.680346681409	50.75033472663934
684	145	107244	79838.85867307335	887437.3170250766	39.31179690054624	-100.5174028	369181.004843820	4325275.514944043	2607.62067759787	2673.576235292474	2621.8633454770806	2622.822399611576	51.69427895216677	50.735223918491556
685	145	107245	80498.85867307335	887437.3170250766	39.31179159512376	-100.5150713	369382.0106668463	4325271.593552419	2604.7747827339517	2671.9772413188525	2621.988670072833	2621.5167024466046	49.98734731156901	50.46051187280591
686	145	107246	81158.85867307335	887437.3170250766	39.3117860303396	-100.5127398	369583.016139208	4325267.615655095	2603.7814996723692	2670.480906	2622.245281515732	2621.5167024466046	48.1636248308769	49.85534513041675
687	145	107247	81818.85867307335	887437.3170250766	39.3117804318417	-100.5104082	369784.0125445424	4325263.637950648	2602.7884390870116	2668.83785378231	2621.877902883408	2618.684688	48.8828998613314	50.16981812227095
688	145	107248	82478.85867307335	887437.3170250766	39.31177483766683	-100.5080767	369985.026263375	4325259.60430845	2601.7631967140113	2668.83785378231	2621.877902883408	2618.684688	48.8828998613314	50.16981812227095
689	145	107249	83098.85867307335	887437.3170250766	39.3117692371054	-100.505454	370193.025496518	4325255.63949104	2600.7213405	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
690	145	107250	83798.85867307335	887437.3170250766	39.31176349125418	-100.5034137	370387.03701709556	4325251.70595384	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
691	145	107251	84458.85867307335	887437.3170250766	39.3117575049319	-100.5010821	370580.019243857	4325247.2009564	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
692	145	107252	85118.85867307335	887437.3170250766	39.31175196495816	-100.4987506	370789.0467072158	4325243.725241986	2601.61077823992	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
693	145	107253	85778.85867307335	887437.3170250766	39.31174613861995	-100.4964191	370990.0513657397	4325239.776	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
694	145	107254	86438.85867307335	887437.3170250766	39.31174025799184	-100.4940476	371191.055900347	4325235.79928136	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
695	145	107255	87098.85867307335	887437.3170250766	39.31173453195718	-100.4918424	371392.065110118	4325231.83984949	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
696	145	107256	87758.85867307335	887437.3170250766	39.311728730769	-100.4896425	371593.065110118	4325227.874077244	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
697	145	107257	88418.85867307335	887437.3170250766	39.31172236016285	-100.487093	371794.06876168464	4325223.817	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
698	145	107258	89078.85867307335	887437.3170250766	39.31171630414717	-100.4847615	371995.072802706	4325219.89628741	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
699	145	107259	89738.85867307335	887437.3170250766	39.3117102309511	-100.48243	372196.0767	4325215.91087822	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
700	145	107260	90398.85867307335	887437.3170250766	39.31170450700736	-100.480094	372397.08501399793	4325211.94430049	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
701	145	107261	91058.85867307335	887437.3170250766	39.31169876585024	-100.477769	372598.084185935	4325207.96987312	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
702	145	107262	91718.85867307335	887437.3170250766	39.311692721054	-100.475454	372799.0754465	4325203.9949104	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
703	145	107263	92378.85867307335	887437.3170250766	39.31168534852376	-100.4731039	373000.0916279375	4325200.0301411	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
704	145	107264	93038.85867307335	887437.3170250766	39.3116790229017	-100.4707724	373201.0948412375	4325196.054817825	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
705	145	107265	93698.85867307335	887437.3170250766	39.31167265102031	-100.4684048	373402.09765165736	4325192.0150538	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
706	145	107266	94358.85867307335	887437.3170250766	39.311666234714195	-100.4661093	373603.10071360413	4325188.097391245	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
707	145	107267	95018.85867307335	887437.3170250766	39.31165977317188	-100.4637718	373804.1036541703	4325184.38234	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
708	145	107268	95678.85867307335	887437.3170250766	39.3116533699322	-100.4614463	374005.1067345497	4325180.3520	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
709	145	107269	96338.85867307335	887437.3170250766	39.3116475489162	-100.4591464	374206.10967317052	4325176.32177	2600.0518275983	2667.83147033444	2620.73900900421	2618.684688	48.8828998613314	50.16981812227095
710	145	107270	96998.85867307335	887437.3170250766	39.31164102	-100.4567833	374407.1174960184	4325172.2028708	2600.0518275983	2667.83147033444	2620.739			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHdgKgr.f	SatHdgBoth.f
53	146	107353	-336621.1413	888097.3170250766	39.30808153429928	-101.9885737	242316.5842429878	4355225.09474444	3801.0130868816416	3702.5742840670905	3650.0794525529096	3551.0505057720516	52.4442881418089	51.5237730930894
54	146	107354	-335961.1413	888097.3170250766	39.30810448054574	-101.9862425	242517.9786901792	4355202.905	3986.669610337195	3700.609713155686	3648.7316220567304	3649.347685792375	51.87809109695579	51.26202736349114
55	146	107355	-335301.1413	888097.3170250766	39.30813763236282	-101.9838113	242719.1025323276	4355216.89634471	3696.452427074342	3698.6685314065017	3647.486953110889	3648.7619845927365	51.171362485927365	49.886828137814
56	146	107356	-334641.1413	888097.3170250766	39.30815023883556	-101.98158	242920.23042101949	4355212.797405369	3891.178471789241	3706.728286515848	3644.3572855559247	3649.646192119237	50.8118532364185	48.18533264185
57	146	107357	-333981.1413	888097.3170250766	39.30817360537412	-101.9792488	243121.35503399927	4355208.696790826	3886.899522	3694.811946191245	3645.1375327666633	3649.971419760356	49.6744134268185	44.8403145079193
58	146	107358	-333321.1413	888097.3170250766	39.30819581680342	-101.9769175	243322.4796334736	4355204.600280154	3882.6205712192395	3692.012252045303	3644.4445173106133	3649.945317314007	48.6744134736896	44.8193833129602
59	146	107359	-332661.1413	888097.3170250766	39.30821858222336	-101.9745863	243523.6043066469	4355200.501964428	3878.5559263761885	3692.18272203349	3644.499055051644	3651.83717119754	46.5297155068705	39.191597100594936
60	146	107360	-332001.1413	888097.3170250766	39.30824114612386	-101.9722551	243724.7284267477	4355196.403284577	3874.715597570897	3689.157089264083	3644.725269163194	3655.418523910715	44.4430634763545	37.3385635
61	146	107361	-331341.1413	888097.3170250766	39.30826584977917	-101.9699238	243925.85229921226	4355192.365814696	3867.719525728658	3867.294370718116	3645.177296138156	3647.486953110889	43.11708778	29.346571585016278
62	146	107362	-330681.1413	888097.3170250766	39.30828933214496	-101.9675526	244128.9750941656	4355198.208181439	3855.43498987351	3645.025267172846	3645.025267172846	3648.800775838395	42.774049110351157	26.57949110351157
63	146	107363	-330021.1413	888097.3170250766	39.30830937362354	-101.9652613	244328.0995044181	4355184.110624178	3863.044175836524	3683.591187356628	3641.950281115807	3655.53562482454	41.602809450722	25.0583493
64	146	107364	-329361.1413	888097.3170250766	39.30831469905004	-101.9629301	244529.22237019357	4355180.01297106	3858.92136858228	3681.748035386234	3635.5492319397645	3644.6207193623346	46.19880717899145	37.12713429624281
65	146	107365	-328701.1413	888097.3170250766	39.30833532115885	-101.9605899	244730.5342227781	4355176.91146215	3850.7386386227133	3679.908144091376	3629.4986055304207	3646.5866345304207	45.0045337330314	33.095095059529
66	146	107366	-328041.1413	888097.3170250766	39.30837632738506	-101.9582676	244931.4627269656	4355171.8191893	3850.6746777621092	3678.0694406258312	3624.55716273648	3630.226624583127	44.7621634267006	37.8426136247006
67	146	107367	-327381.1413	888097.3170250766	39.30839658655555	-101.9559364	245132.59016982281	4355167.12248699	3851.312548	3676.2303378907313	3620.4586011978642	3648.7316220567304	46.21154919303295	48.21154919303295
68	146	107368	-326721.1413	888097.3170250766	39.30842100475428	-101.9536051	245333.712264575	4355163.62585173	3858.711648073053	3674.38028903274	3617.0253300592033	3631.10747354056	47.363866797353846	43.2818162367016
69	146	107369	-326061.1413	888097.3170250766	39.30844327589723	-101.9512739	245534.8341070412	4355159.52984348	3862.1047973759	3672.54452559382	3614.240805	3631.10747354056	47.363866797353846	39.6316285529574
70	146	107370	-325401.1413	888097.3170250766	39.308465502012375	-101.9489426	245735.95569746758	4355155.43	3867.508478675724	3670.6943510756805	3611.965664274166	3635.1225111005916	48.72466842562369	35.55717407048886
71	146	107371	-324741.1413	888097.3170250766	39.30848780369963	-101.9466113	245937.0776305777	4355151.33718334	3868.921019309574	3668.872173686803	3610.4533075391687	3636.386427867459	48.39083962811595	33.450574841103
72	146	107372	-324081.1413	888097.3170250766	39.30850891915894	-101.9442801	246138.1981230185	4355147.2162627	3868.7369722140186	3669.1388389122562	3631.69072138603174	37.833271238603174	35.28136814411495	
73	146	107373	-323421.1413	888097.3170250766	39.30853191019033	-101.9419488	246339.3189585427	4355143.14592884	3869.422063940304	3665.08971444466	3608.540412893665	3625.90852959308	46.1554778850033	39.09662185157886
74	146	107374	-322761.1413	888097.3170250766	39.30855396520467	-101.9396176	246540.4396242406	4355138.30813181	3868.017270496496	3663.21367645508	3608.017270496496	3618.117526	45.1966259152153	44.1966259152153
75	146	107375	-322101.1413	888097.3170250766	39.308576971740073	-101.9373688	246746.2767168152	4355133.65813802	3861.5324116277008	3655.017270496496	3605.017270496496	3618.117526	45.1966259152153	44.1966259152153
76	146	107376	-321441.1413	888097.3170250766	39.30859971312721	-101.934955	246942.800856457	4355130.86029488	3867.054386	3659.4100788437	3606.018046105797	3605.037727109343	43.332395242716	54.7316357110027
77	146	107377	-320781.1413	888097.3170250766	39.30861982404634	-101.9326238	247143.7998905382	4355126.76477253	3865.79087846856	3662.077813858676	3602.77741487828	3614.419064279574	41.761175231771	54.7316357110027
78	146	107378	-320121.1413	888097.3170250766	39.3086416993737	-101.9302925	247344.9147042035	4355122.678050114	3864.57244392222	3655.564519658314	3596.93627137354	3605.017352130202	46.62489823	50.547167363116
79	146	107379	-319461.1413	888097.3170250766	39.30866351800003	-101.9279612	247546.038033373	4355118.576	3863.42953691897	3653.607038321094	3591.715911717643	3607.993528108004	45.6332845209629	
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81	146	107381	-318141.1413	888097.3170250766	39.3087071744073	-101.923398	247948.2767168152	4355109.33813181	3861.5324116277008	3655.017270496496	3605.017270496496	3618.117526	45.1966259152153	44.1966259152153
82	146	107382	-317481.1413	888097.3170250766	39.30872073211858	-101.920974	248149.396296153	4355104.2822433	3860.5877	3647.770081	357.7584190117648	3610.295858489705	44.815433974813	41.38953120653194
83	146	107383	-316821.1413	888097.3170250766	39.3087503436807	-101.9186362	248351.5163074427	4355102.2605562	3857.82194180254	3645.806979565979	3573.292337324086	3610.0607713103075	42.51546223348921	35.7461956557181
84	146	107384	-316161.1413	888097.3170250766	39.3087719368918	-101.9163409	248551.6317417077	4355100.1626238	3853.236749597596	3843.787803389739	3627.46105132975	3607.913272898901	43.36628140042262	32.52481409442262
85	146	107385	-315501.1413	888097.3170250766	39.308793490381795	-101.9139736	248752.7495486397	4355094.03894154	3848.651580792935	3641.86340865151	3565.72187235577	3611.724247735569	40.75164250931469	30.135912581913
86	146	107386	-314841.1413	888097.3170250766	39.3088149604595	-101.9116423	248953.8671345102	4355086.02819512	3846.081185831868	3639.880185583124	3561.82538358124	3608.865646680273	45.6332845209629	
87	146	107387	-314181.1413	888097.3170250766	39.30883669581575	-101.9093111	249154.8844715175	4355085.82738898	3839.853167074783	3637.896107304884	3558.29594	3608.865646680273	45.6332845209629	29.7245087248575
88	146	107388	-313521.1413	888097.3170250766	39.30885921775969	-101.906978	249356.1615033802	4355081.73525207	3835.0116277008	3635.017270496496	3558.017270496496	3608.865646680273	45.6332845209629	29.7245087248575
89	146	107389	-312861.1413	888097.3170250766	39.3088792486697	-101.904485	249562.210400122	4355077.84275975	3832.170483339128	3633.9017384814	3551.793919286675	3601.48019570212	42.026955717232	32.0450958789713
90	146	107390	-312201.1413	888097.3170250766	39.30890056416725	-101.9023172	249758.3349977492	4355073.550461173	3828.323195716372	3631.898219425603	3548.7161501035607	3588.15866522017	41.8206933	33.73935290743202
91	146	107391	-311541.1413	888097.3170250766	39.308921848837786	-101.8998589	249959.4513380015	4355069.4356241384	3824.381394	3629.8885856456	3545.911671826286	3595.27680766716	41.8206933	33.73935290743202
92	146	107392	-310881.1413	888097.3170250766	39.3089430443008	-101.8976547	250160.5673453055	4355065.366446029	3820.327196847414	3627.876397505213	3542.926704005262	3595.27680766716	41.8206933	33.73935290743202
93	146	107393	-310221.1413	888097.3170250766	39.3089647489362	-101.8953234	250361.638286495	4355061.274294748	3816.272794939422	3625.862178197761	3539.953398610338	3571.914583458086	40.75164250931469	30.135912581913
94	146	107394	-309561.1413	888097.3170250766	39.30898542023834	-101.8929121	250568.7689587252	4355057.18320884	3814.221882139433	3619.861076958444	3537.001452996624	3555.901637711515	40.75164250931469	30.135912581913
95	146	107395	-308901.1413	888097.3170250766	39.30899727175969	-101.890478	250770.84247401	4355053.25191071	3812.544764863414	3617.817872138764	3529.707660332805	3523.472474737077	41.8006141	44.3353691456434
96	146	107396	-308241.1413	888097.3170250766	39.30900257611143	-101.8883695	250965.02935521974	4355049.00743619	3810.131391308204	3615.8021913604	3528.215686638464	3524.368415469458	41.8006141	44.3353691456434
97	146	107397	-307581.1413	888097.3170250766	39.3090485645914	-101.8859962	251166.1442119925	4355044.9						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	Surf.Elev.	W.Lt.	BREIElev.Kg.f.	BREIElev.Kg.f.	68.Satth.Kg.f.	SatthBoth.ft
179	146	17479	-253461.1413	888097.3170250766	39.1061819789358	-01.694828	267666.73438318297	435470.112042223	3658.7143799397713	3477.49021586700447	3411.4032670278793	3411.4718460952754	68.0684884216538	66.0183697474963
180	146	14048	-252801.1413	888097.3170250766	39.10635437070804	-01.652496	267667.8390510387	435470.331775706	3657.629432480656	3475.9902270808173	3407.850627684227	3407.91308431644	68.1395930236855	68.0771562749169
181	146	107481	-252141.1413	888097.3170250766	39.1061819789358	-01.694828	267666.73438318297	435470.112042223	3658.7143799397713	3477.49021586700447	3411.4032670278793	3411.4718460952754	68.0684884216538	66.0183697474963
182	146	14782	-251481.1413	888097.3170250766	39.1066881242575	-01.687338	268260.028605349	4354697.880277749	3655.402609662745	3472.90488499789	3400.533598011183	3400.59849894757	72.396908498475	72.2923635
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220	146	15020	-226401.1413	888097.3170250766	39.1128945674094	-01.5992401	275901.458192388	4354543.20993497	3603.071761206573	3436.284936447228	3347.042456541397	3347.042456541397	72.2523649722298	75.3202297717308
221	146	15021	-225741.1413	888097.3170250766	39.1130592466231	-01.596979	276109.547549479	4354540.749090172	3600.85928755494	3435.164813396124	3346.18438132967	3346.18438132967	72.2523649722298	75.3202297717308
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.ft	SatHtKgr.f	SatHtKgr.ft
305	146	16705	-173031.1413	888097.3170250766	39.3124399585291	-101.4010648	29922.9906745902	435418.199199357	348.388964313227	332.4323687745317	3282.48977587753	3282.207831909252	40.033911867782	44.3153586852649
306	146	16706	-169641.1413	888097.3170250766	39.12451534406726	-101.3967333	293194.987264338	4354194.14883434	3418.514372175483	3285.685965348655	3280.17142490917	3279.9521701674096	45.5124253638445	45.7296768437945
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309	146	16709	-167661.1413	888097.3170250766	39.12486058955495	-101.3917388	293797.2610624987	4354181.99811071	3413.9032749548687	3323.0667947788647	3273.0375898371067	3273.0375898371067	51.72009761620211	51.72009761620211
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311	146	16711	-166341.1413	888097.3170250766	39.1250885164381	-101.3870757	294199.3949390384	4354178.89872016	3412.96272943878	3320.77867265236	3265.5317241536814	3266.9958346816955	55.2469511155487	55.2469511155487
312	146	16712	-165681.1413	888097.3170250766	39.1252017396464	-101.3847442	294400.4615736746	4354169.84931512	3410.782731031768	3319.231779562432	3262.802315568724	3265.06814029303	56.486712291491	56.486712291491
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314	146	16714	-164361.1413	888097.3170250766	39.12542714555696	-101.3800812	294802.540237031	4354161.70278233	3411.413911722626	3325.704610358996	3260.67540785391	3260.67540785391	57.90530133874372	54.73837034238446
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320	146	16720	-160401.1413	888097.3170250766	39.1260918542281	-101.3660921	296008.9873900854	4354137.46098417	3428.700375118317	3302.421809653359	3249.138114452101	3254.731378344572	47.6905112187881	47.6905112187881
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334	146	16734	-151161.1413	888097.3170250766	39.12759045058	-101.3335077	298823.7895511207	4354043.71865102	3405.45719692472	3275.1749775456	3247.50290762328	3255.9014373512	26.17393178245743	19.86430061291943
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336	146	16736	-149841.1413	888097.3170250766	39.1277854944945	-101.3287877	299226.0007318985	4354072.12505695	3398.380246441186	3264.3302013254	3240.328410308324	3240.328410308324	24.87730473646919	15.3156571661264
337	146	16737	-149181.1413	888097.3170250766	39.127885189468	-101.3264562	299427.0623743469	4354068.677	3392.0623767816768	3264.3302013254	3240.328410308324	3240.328410308324	24.87730473646919	15.3156571661264
338	146	16738	-148521.1413	888097.3170250766	39.1279890303815	-101.3241246	299628.1328197747	4354063.62240465	3387.743529223513	3262.4071790073453	3233.175065319602	3248.368364794505	26.17393178245743	15.3156571661264
339	146	16739	-147861.1413	888097.3170250766	39.1280902176856	-101.3217391	299828.186508387	4354058.9802919	3386.826024	3256.476338805328	3228.3971097222405	3247.171975385795	30.34829738	12.5743260854751
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342	146	16742	-145881.1413	888097.3170250766	39.1283908857918	-101.3147985	30042.3676353806	4354045.4563848	3384.290235145933	3252.7832110545482	3221.1699209707367	3245.4079807472006	31.6132900831153	7.3752303750274
343	146	16743	-145221.1413	888097.3170250766	39.12849042080761	-101.312467	300632.4280987909	4354044.41309422	3383.93039480582	3248.368364794505	3220.444478278016	3244.044478278016	31.6132900831153	7.3752303750274
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345	146	16745	-143901.1413	888097.3170250766	39.12868750175587	-101.3078039	301055.5484384353	4354036.326773971	3377.5603674995964	3245.730488195605	3213.244718185257	3239.34408195605	30.0180910180918	7.3752303750274
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347	146	16747	-142581.1413	888097.3170250766	39.1288854747595	-101.3031093	301426.666566	4354028.21238912	3375.4391787886	3242.4281928922	3209.398811694723	3239.34408195605	30.0180910180918	7.3752303750274
348	146	16748	-141921.1413	888097.3170250766	39.128980054051	-101.3008093	301628.72483071	4354024.197801815	3374.31793516258	3238.5819	3208.06177400648	3237.72754380028	32.84273196	12.040175027395468
349	146	16749	-141261.1413	888097.3170250766	39.129076841739	-101.2984777</								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt	BRElevLogsKgf.ft	BRElevBothKgf.ft	SatHLogs.ft	SatHBoth.ft
431	146	17731	-87141.14313	888097.3170250766	39.313546693236525	-101.1072898	318326.0596637208	4335899.34130468	3228.646490587299	301.172780232029	2980.40827357944	2980.03008	50.7625267408493	51.14269393198871
432	146	17732	-86484.14131	888097.3170250766	39.313556217179376	-101.102856	318927.049051727	4335865.314933176	3226.776524502037	302.896483750537	2978.3518705978568	2978.0934280189624	51.54428777719694	51.803047556091315
433	146	17733	-85921.14131	888097.3170250766	39.31355849608469	-101.102866	318729.031690898	4335881.28477414	3224.90565038677	303.63825832927	2984.420746874235	2982.1588234748923	52.1588234748923	52.1588234748923
434	146	17734	-85161.14131	888097.3170250766	39.31356432996543	-101.104092	318929.1366556798	4335879.76272867	3027.405537901534	302.740745537901	2974.425535567497	2974.779380201542	52.96511467704754	52.611364424515
435	146	17735	-84501.14131	888097.3170250766	39.313570178782636	-101.097935	319130.17996514554	4335873.236894935	3026.1602221210423	302.72656667552675	2973.066621249966	2973.066621249966	53.030655515558	53.03092996672711
436	146	17736	-83841.14131	888097.3170250766	39.31357578625730	-101.0956139	319331.223097766	4335669.211338207	3219.02653038965	302.4347348184284	2971.095115510675	2971.442234138317	53.4862937	53.5015115040766
437	146	17737	-83181.14131	888097.3170250766	39.31358165133033	-101.0933003	319532.2605352625	4335665.186917913	3216.971071179341	302.7242349919893	2969.45671276424	2969.284498393031	54.28552175565346	54.54597369899341
438	146	17738	-82521.14131	888097.3170250766	39.31358722	-101.090987	319732.308382507	4335661.108909126	3214.91973654284	302.2580573486664	2966.9931591107156	2967.373057370867	55.4649833	55.18449979779769
439	146	17739	-81861.14131	888097.3170250766	39.3135926272764	-101.088637	319834.351435877	4335657.135651555	3212.90526508977	302.6342168873476	2964.420746874235	2964.420746874235	56.72432876547718	56.9225922515896
440	146	17740	-81201.14131	888097.3170250766	39.313598373691	-101.086305	3201.25.3939271657	4335653.118095158	3210.46554068996	302.4057271612534	2964.368257836756	2964.0312201708966	56.8774032443984	56.2145069059577
441	146	17741	-80541.14131	888097.3170250766	39.3136030957453	-101.083974	320336.43183257	4335651.868150822	3209.751762945067	301.11667799052087	2962.4396546310593	2962.157335540287	56.6770133594704	56.9593623132058
442	146	17742	-79881.14131	888097.3170250766	39.31360937541525	-101.081624	320537.48718916803	4335645.061687441	3208.496496242507	301.005443238077	2959.517700818325	2960.1667110413255	57.4387241972748	57.8378219567161
443	146	17743	-79221.14131	888097.3170250766	39.3136148080708	-101.0793108	320738.520089028	4335641.45014206	3206.47847187818	301.6191953397726	2957.829651530534	2958.248632094344	58.08228627039052	58.66332130338151
444	146	17744	-78561.14131	888097.3170250766	39.313620191562585	-101.0769792	320939.5618136024	4335637.01334790	3204.896202192873	301.5359749609713	2955.75274194879	2956.297424804703	60.2607076692214	59.54222156270984
445	146	17745	-77911.14131	888097.3170250766	39.3136255001661	-101.0748476	321140.603631748	4335632.98	3203.310682519257	301.744622271517	2953.424225764449	2954.2867841410302	61.35024066270256	60.7446208812147
446	146	17746	-77241.14131	888097.3170250766	39.31363082343296	-101.072316	321341.644737506	4335628.965747295	3201.725892832254	301.725733164776	2951.25033230537	2952.36569590116	62.4754016110054	61.35613812146005
447	146	17747	-76581.14131	888097.3170250766	39.31363670781162	-101.0698485	321542.6859377176	4335624.942240562	3201.7108142198084	301.2168933768962	2948.942211458996	2950.0585484172285	63.74732251798832	62.6238455875775
448	146	17748	-75921.14131	888097.3170250766	39.313641725152605	-101.0676259	321743.7206318253	4335620.91825136	3203.24084179605	301.65432805442	2946.3332176912013	2947.3584111242063	64.3322151424063	64.3070217
449	146	17749	-75261.14131	888097.3170250766	39.31364643345588	-101.0652123	321944.7764181507	4335616.89801006	3204.77086450245	301.653030396804	2943.0458202821483	2945.065483004474	67.6072097526017	66.58754703553404
450	146	17750	-74601.14131	888097.3170250766	39.31365154672143	-101.0629897	322145.8084917387	4335612.78268164	3206.30089110599	300.915939720839	2939.247402872267	2939.93807308576	69.40736951744601	67.6710694138126
451	146	17751	-73941.14131	888097.3170250766	39.31365661494928	-101.0606581	322346.8489511293	4335608.10526908	3206.771522082462	300.861089829552	2935.6751268074536	2936.199626071587	72.989682122492	72.46218823936468
452	146	17752	-73281.14131	888097.3170250766	39.31366163813938	-101.0583265	322547.889244511	4335604.828	3206.1935443963515	300.786233	2933.91873642674	2933.900591041347	73.624109126596	73.701493680045
453	146	17753	-72621.14131	888097.3170250766	39.3136668629174	-101.056045	322748.958216971	4335600.80551296	3205.81196692071	300.631830727276	2932.418302749272	2932.504571625948	74.4897625610136	74.4897625610136
454	146	17754	-71961.14131	888097.3170250766	39.31367154940355	-101.053634	322949.96462457	4335592.783049351	3205.030389	300.476010054023	2930.3204732155167	2930.9301446237967	74.4315449485854	74.2528734165554
455	146	17755	-71301.14131	888097.3170250766	39.31367764743196	-101.0513318	323151.0092742285	4335592.761070314	3205.738153676495	300.5805320535333	2944.3666969991484	2944.736782746973	74.368349420805	74.60734983803014
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459	146	17759	-68661.14131	888097.3170250766	39.31369584	-101.0420054	323958.1698883176	4335576.77676	3213.932956942836	301.171936	2953.5229642836	2953.661823785824	77.45487940417685	77.5092130417685
460	146	17760	-68001.14131	888097.3170250766	39.31370022030966	-101.0396738	324154.2058363515	4335572.654058693	3215.35883098505	300.307703101823	2953.91750542497	2954.1283164893016	78.1803147772439	78.1803147772439
461	146	17761	-67341.14131	888097.3170250766	39.3137048015304	-101.0373422	324357.2484172211	4335568.63	3208.7769623652	299.9465370706493	2953.1931233663767	2953.951313152677	79.4143802	79.45952394972455
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464	146	17764	-65361.14131	888097.3170250766	39.31371820437624	-101.0303475	324960.3599	4335556.572	3202.225818220373	299.674885279715	2950.11122843834	2950.22160324377	82.4638406982954	82.75369789359441
465	146	17765	-64701.14131	888097.3170250766	39.31372284114587	-101.0280198	325161.398003671	4335552.56125288	3210.48508572413	299.617853745874	2949.9718711895376	2950.11707	83.0263656014476	83.0263656014476
466	146	17766	-64041.14131	888097.3170250766	39.31372722385582	-101.025843	325362.432042178	4335548.45194956	3210.63130421021	299.58434781785	2950.504571625948	2950.504571625948	84.0897625610136	84.0897625610136
467	146	17767	-63381.14131	888097.3170250766	39.31373158174979	-101.023527	325563.673737982	4335545.512627176	3210.63130421021	299.58434781785	2950.504571625948	2950.504571625948	85.1389964638773	85.1389964638773
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469	146	17769	-62061.14131	888097.3170250766	39.31374014159111	-101.0186895	325965.54866249174	4335536.4746232	3211.710602450258	299.61710602450258	2951.10782	2952.159789896	87.47350789896	87.47350789896
470	146	17770	-61401.14131	888097.3170250766	39.31374435410046	-101.0163579	326166.589018242	4335532.45437453	3211.8601717507892	299.623744817358	2948.4813392424267	2952.8321974030407	88.3891489314371325	88.3891489314371325
471	146	17771	-60741.14131	888097.3170250766	39.31374852178174	-101.0140263	326367.6229714091	4335531.45489789	3210.933655920797	299.6148271399963	2951.62387230641	2951.62387230641	89.3850940722205	89.3850940722205
472	146	17772	-60081.14131	888097.3170250766	39.31375264100515	-101.011874	326568.6987614596	4335534.241672336	3210.933655920797	299.6148271399963	2951.62387230641	2951.62387230641	90.47350789896	90.47350789896
473	146	17773	-59421.14131	888097.3170250766	39.31375692404051	-101.009615	326775.9245100068	4335531.45489789	3210.933655920797	299.6148271399963	2951.62387230641	2951.62387230641	91.56952394972455	91.56952394972455
474	146	17774	-58761.14131	888097.3170250766	39.31376075	-101.007315	326970.731637918	4335516.379843158	3210.933655920797	299.6148271399963	2951.62387230641	2951.62387230641	92.6638406982954	92.6638406982954
475	146	17775	-58101.14131	888097.3170250766	39.313764741078465	-101.00474	327171.769564361							

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BREIEvLogKgr.f	BREIEvBothKgr.f	SatHLogKgr.f	SatHBothKgr.f
547	146	108757	-3981.1411327	888097.3170250766	39.31393843666189	-100.3139087	343666.1986503089	4353183.522881761	2035.233772611574	2891.392304906405	2836.908457650688	2843.442383615944	54.843459141337335	47.945921290461134
558	146	108758	-3321.141137	888097.3170250766	39.31393685815055	-100.8111717	343657.21237770505	4353179.526158159	3044.158027745635	2836.9898958173	2836.9622783402447	2842.7357086210095	52.0162565657303	47.05819037605254
559	146	108759	-2661.141327	888097.3170250766	39.31393969829606	-100.808845	344654.2468478775	4353175.918122251	3671.474865952991	2888.219027092024	2838.55982678252	2837.973655735573	51.85079447723974	46.23643688515125
560	146	10860	-2001.141137	888097.3170250766	39.3139049005585	-100.805139	342599.26455625553	4353175.11615559	3407.82269656617	2886.62403533238	2836.172954740517	2841.6112912	50.4690085383341	45.0201233005496
561	146	10861	-1341.141137	888097.3170250766	39.313939163044535	-100.8041823	344460.2900883931	4353167.51434225	3308.891377227643	2885.0914062740685	2835.7230281003226	2840.8083477446726	49.36837817374586	44.28305852393953
562	146	10862	-681.14113269	888097.3170250766	39.31393923204516	-100.801507	344661.3125702373	4353163.512873423	3036.989727787475	2884.5619831817	2835.3866279545687	2837.963793226307	47.1917877248324	42.92044005050825
563	146	10863	-21.141299591	888097.3170250766	39.31393925600684	-100.7995191	344862.3340065506	4353159.511022033	3081.8910596743302	2882.0426062291854	2834.931703483038	2839.864955555646	47.11723579085461	42.17730587335974
564	146	10864	638.858673033514	888097.3170250766	39.3139392439037	-100.7971875	345063.3570803965	4353155.51502203	3022.5678035030207	2880.5428551689004	2834.1133942802943	2838.779710573241	46.4294609	41.76314459565497
565	146	10865	1296.858673033514	888097.3170250766	39.31393916881596	-100.794859	345354.3791086854	4353151.509823232	2879.8749584687037	2879.8749584687037	2834.1133942802943	2838.779710573241	46.4294609	41.76314459565497
566	146	10866	1958.858673033514	888097.3170250766	39.3139395762625	-100.7925243	345665.400985704	4353147.509	2877.5012289233968	2877.5012289233968	2834.1133942802943	2838.779710573241	46.4294609	41.76314459565497
567	146	10867	2618.858673033514	888097.3170250766	39.3139389147138	-100.7901927	345867.4622771612	4353143.502732323	3025.94538314427	2876.1194781242266	2828.63048403403	2834.3066941110005	47.4742972082346	41.81278413226064
568	146	10868	3278.858673033514	888097.3170250766	39.31393870241835	-100.787611	345867.4622771612	4353139.50702457	3022.96058	2874.06125086263	2825.82631282264	2834.7742715026864	48.323930939396	40.91376358339676
569	146	10869	3938.858673033514	888097.3170250766	39.31393845397403	-100.7855295	346068.4657261318	4353135.507275251	3020.4283214891734	2873.2063355031137	2822.9171859925733	2834.7742715026864	50.28914951053369	38.92776988120038
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevKgs.ft	BRElevBothKgs.ft	SatThLocs.ft	SatThBoth.ft
683	146	107983	79178.85867307335	888097.3170250766	39.131615154312174	-00.51972724	368683.9798581575	4325680.726360284	303.3366643657164	261.941063715826	261.9807156259363	262.043925326748	55.28539074224636
684	146	107984	79838.85867307335	888097.3170250766	39.13160972968618	-00.51737958	39.13160972968618	4325676.74767085	270.8542535361067	261.812135082566	261.84266740145703	261.888867349215	53.72267373350895
685	146	107985	80488.85867307335	888097.3170250766	39.13157048106456	-00.5168442	39.13157048106456	4325672.760743157	279.53524220146	261.70386243965339	261.71882720314284	261.73331383249634	53.8505322309004
686	146	107986	81158.85867307335	888097.3170250766	39.13156742267146	-00.51727326	369596.98426704043	4325676.77178495	295.8654735670503	262.215873336278	261.70557292014	261.759664206714	53.7690283498246
687	146	107987	81818.85867307335	888097.3170250766	39.13159381571022	-00.510401	369788.015485495	4325664.813883093	276.629387875153	261.77525247834096	261.6158450433048	261.71436093010295	53.242309344516491
688	146	107988	82478.85867307335	888097.3170250766	39.1315767571566	-00.5080695	369999.0066336276	4325670.836230635	279.211048355233	266.35082742556	261.6411632322594	261.650713423332	49.9439182
689	146	107989	83138.85867307335	888097.3170250766	39.13158194883536	-00.5057379	370190.011592644	4325665.858780021	277.273328085715	266.428691	261.172645234182	261.32621067537413	50.68805405
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691	146	107991	84488.85867307335	888097.3170250766	39.13157048106456	-00.51071674	370992.021193105	4325672.760743157	279.53524220146	261.70386243965339	261.71882720314284	261.73331383249634	53.8505322309004
692	146	107992	85118.85867307335	888097.3170250766	39.13156742267146	-00.4987431	370573.0257123896	4325644.924	276.4452181375	260.377061767275	260.41306250989	260.76864211537	54.363904045474
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695	146	107995	87098.85867307335	888097.3170250766	39.13154701106106	-00.4917844	371396.0387319087	4325632.998012024	275.8113998258636	265.65037605768082	259.8934711572153	260.3264760530908	57.1193361086653
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715	146	10015	100298.85867307335	888097.3170250766	39.13141919508625	-00.4451169	375416.093130135405	4325553.51293419	269.93115387404924	262.90827030956143	255.049811763968	255.09686972273567	75.5839133
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725	146	10025	106938.85867307335	888097.3170250766	39.1313484544173	-00.4218722	377428.1022281958	4325513.7696322108	262.9473423227986	255.105698929672	255.179598368079	255.179598368079	57.6727012005558
726	146	10026	107638.85867307335	888097.3170250766	39.131341182716126	-00.4194636	377627.0191296258	4325509.826	270.3217195140033	261.64000937189423	255.316582223157	255.316582223157	58.939557820452
727	146	10027	108218.85867307335	888097.3170250766	39.13133320548136	-00.4171381	377828.1048804796	4325505.85551095	262.9710811253053	262.1078711805993	255.2959623695125	255.2959623695125	59.74857479108687
728	146	10028	108878.85867307335	888097.3170250766	39.13132613210954	-00.4148165	378029.10972945375	4325501.85486255	261.4228194600554	254.067364	254.84056474739	254.84056474739	63.35745644416302
729	146	10029	109538.85867307335	888097.3170250766	39.1313186898298	-00.4124749	378230.109853907	4325497.915573477	260.020488319248	260.1417384592255	254.4414742897835	254.4417384592255	65.7269955161304
730	146	10030	110198.85867307335	888097.3170250766	3								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.T.	BR ElevKgs.f	BR ElevBothKgs.f	SatHtKgs.f	SatHtBothKgs.f
69	147	108109	-320601.1413	888757.3170250766	39.10255883991616	-101.9513025	245538.93814654352	43533680.821021546	3587.46115862180817	372.7147362815213	3612.8559363734325	3632.3627769764526	3658.99990808871	36.513959305068704
70	147	108110	-325401.1413	888757.3170250766	39.10327811	-101.9489712	2457.40056341247	4353536.725	3861.975035460156	3670.8905625920575	3670.484135142151	3634.49342825263	36.404642785095454	36.450895493979921
71	147	108111	-327411.1413	888757.3170250766	39.1040239232576	-101.9466196	2469.11807037658	4353532.608	3868.189356264837	3669.5627179830036	3678.724550262927	3630.893213265854	36.3000213265854	33.8197514100563
72	147	108112	-324081.1413	888757.3170250766	39.10332426849284	-101.9443085	2464.13827413016	4353443.53232173	3864.13175321293	3662.22139523293	3667.832112699145	36.7962317323455	34.3840727	
73	147	108113	-323241.1413	888757.3170250766	39.10334452054368	-101.9419712	2463.341221873083	4353534.346479037	3863.064472499419	3665.376936614846	3606.1341037799016	3625.692193531814	36.239989881583015	39.6815001260041
74	147	108114	-322761.1413	888757.3170250766	39.103365657	-101.9396459	2465.44526689578	4353534.304827185	3863.9975174667087	3664.573176058126	3618.198275726628	36.42618133	45.3174966084602	
75	147	108115	-322101.1413	888757.3170250766	39.10338685858	-101.9373164	2467.45627996614	4353536.245371674	3863.2200752017074	3661.646187085524	3603.624166508018	36.034881850325864	58.0220002580714	51.1573273945814
76	147	108116	-321441.1413	888757.3170250766	39.1034105525162744	-101.9349833	2469.678267955003	4353532.100110466	3861.734162544151	3659.76484272943	3601.2910574041566	3603.78817266796	54.47378532311616	56.0260246114667
77	147	108117	-320781.1413	888757.3170250766	39.1045246540305	-101.9326138	2471.4740220884907	4353532.055843357	3859.6781739620036	3657.871739620036	3597.817245452946	3600.893213265854	60.054289533029	60.054289533029
78	147	108118	-320121.1413	888757.3170250766	39.1045433089534	-101.9303206	2473.940216877325	4353532.960170934	3858.761504598307	3655.967213967427	3593.447778904358	3602.2086453187	62.5194340336873	53.7543433223982
79	147	108119	-319461.1413	888757.3170250766	39.10417612	-101.9279893	2475.061484784007	4353531.865429535	3857.958305867144	3654.05205702246	3588.752835702026	3603.5103912889704	65.29477171	50.5416557237578
80	147	108120	-318801.1413	888757.3170250766	39.1040799089691	-101.925658	2477.512596951806	4353531.77100831	3857.833724628625	3650.1272176844473	3584.082938938044	3604.180275720193	64.02786960424	64.946941962454165
81	147	108121	-318141.1413	888757.3170250766	39.10351963225694	-101.9233266	2479.5278332413783	4353531.6167871831	3857.7184362891	3650.19357299138	3579.732812799113	3604.7615938300249	46.01764141877311	
82	147	108122	-317481.1413	888757.3170250766	39.10541318587525	-101.9209953	2481.53496703554	4353537.582623198	3857.598050062919	3648.251691	3575.40574998279	3603.4934732246383	72.8459413162507	43.9573120971755
83	147	108123	-316821.1413	888757.3170250766	39.1056296	-101.918664	2483.641635354704	4353530.488721918	3856.64180336673	3646.20174668229	3571.2468653162878	3605.032627552816	75.0553093	41.26935302917828
84	147	108124	-316161.1413	888757.3170250766	39.10584545616006	-101.916326	2485.557327144119	4353529.395	3851.84346150704	3644.3544297462078	3567.390301194468	3606.301895612096	78.9460495173963	38.04335400997795
85	147	108125	-315501.1413	888757.3170250766	39.1060761040195	-101.9140013	2487.856785024822	4353529.30102087	3848.054888940746	3642.381676484863	3563.9660301459944	3605.805057888107	74.15464669	36.1776189523367
86	147	108126	-314841.1413	888757.3170250766	39.1062761361421	-101.91167	2489.5736772248722	4353521.208183528	3844.261413170765	3640.417900601616	3560.422809612005	3605.83794563616	79.995051	34.55695054071979
87	147	108127	-314181.1413	888757.3170250766	39.10640974796764	-101.9093386	2491.594084610638	4353528.115059194	3840.4198951485	3638.4325748736205	3556.974211130319	3594.54343241341	81.45836374330156	33.8387423128767
88	147	108128	-313521.1413	888757.3170250766	39.10676740949605	-101.9070703	2493.601750239323	4353520.02129079	3836.53017222206	3636.43730239958	3558.38156733049	3602.8824714819313	83.6962526904607	33.119648746032
89	147	108129	-312861.1413	888757.3170250766	39.1069182607268	-101.904676	2495.61318885413	4353527.896581798	3832.64048506923	3632.45583698344	3550.650578883644	3600.56970396716	83.8007751	33.8867661966512
90	147	108130	-312201.1413	888757.3170250766	39.107131881595	-101.9023446	2497.623447877253	4353524.738651481	3828.750797847381	3632.458749743351	3547.9450835525665	3600.56970396716	83.5136662180547	35.91904403272011
91	147	108131	-311541.1413	888757.3170250766	39.1073025311965	-101.899767	2525.784502475469	4353527.1546155444	3828.4746175438279	3630.499447715172	3547.1589915520268	3572.126818046807	86.299511520244	76.8294763186049
92	147	108132	-310881.1413	888757.3170250766	39.10750575026292	-101.8976189	2501.64668162699	4353526.65205081	3821.075052050961	3628.4525373848473	3541.682411514247	3581.0796278286667	87.1201528700017	47.3276211028045
93	147	108133	-310221.1413	888757.3170250766	39.1077688626651	-101.8953506	2503.6578350562	4353526.56091581	3817.255205099317	3626.45586779966	3538.542595288114	3568.26736839678	87.9000565	58.176848008589
94	147	108134	-309561.1413	888757.3170250766	39.10780424218015	-101.8930193	2505.668796542585	4353528.46826617	3813.434901245446	3624.4735709897503	3535.350823694329	3554.797950778897	89.0867473042135	69.639620708063
95	147	108135	-308801.1413	888757.3170250766	39.1081941438362	-101.8906879	2507.68103180273	4353528.737055848	3809.55624639584	3622.4219525094893	3532.281678397173	3541.352781720297	90.1474641213908	81.0762918991231
96	147	108136	-308241.1413	888757.3170250766	39.1084019097406	-101.8883566	2509.68129251914	4353520.285679239	3806.619837505446	3620.42110826201	3529.32453306591	3531.370783336591	90.157459347018	89.0440325056404
97	147	108137	-307581.1413	888757.3170250766	39.108605212998974	-101.8860252	2511.74262568679	4353527.134649679	3801.68282786135	3618.474611816773	3527.624550262927	3529.324550262927	90.88683052615643	91.28784212
98	147	108138	-306961.1413	888757.3170250766	39.108825075834294	-101.8837638	2513.735699992148	4353522.10308488	3800.74661981726	3616.41274830047	3525.360804456903	3527.819396414356	90.0509017446629	88.5883034659092
99	147	108139	-306261.1413	888757.3170250766	39.1090309665479	-101.8813625	2515.2724714168033	4353528.013	3793.6963223835	3610.4284089318194	3525.331979978283	3527.77652824081	89.0960491489837	85.65152610779339
100	147	108140	-305601.1413	888757.3170250766	39.10923972450496	-101.8790312	2517.73589030042	4353527.12114309	3789.534853785363	3612.4517722112696	3524.2962061426706	3528.31790211879	88.15556607	84.1384091939071
101	147	108141	-304941.1413	888757.3170250766	39.1094480313246	-101.876698	2519.748676960223	4353525.831708416	3785.375494360914	3610.490929012845	3522.028687252735	3529.092007111526	87.4622417602135	81.4006383
102	147	108142	-304281.1413	888757.3170250766	39.109655894575	-101.8743684	2521.7575812	4353525.741496419	3781.21684303179	3608.45902994301	3521.863023556134	3529.5150578147604	87.9303942763627	79.0309423763627
103	147	108143	-303621.1413	888757.3170250766	39.1098623964788	-101.8720371	2523.76325833872	4353521.61478992	3776.176148215442	3605.616655761235	3520.254852526047	3526.967228913667	86.3618724851878	77.5483362815643
104	147	108144	-302961.1413	888757.3170250766	39.11007025311965	-101.869767	2525.784502475469	4353527.1546155444	3768.4746175438279	3604.499447715172	3547.1589915520268	3572.126818046807	86.299511520244	76.8294763186049
105	147	108145	-302301.1413	888757.3170250766	39.1102767596105	-101.8673744	2527.751052017416	4353513.472	3762.082314774442	3602.7871202411476	3516.772186576946	3526.0649195050274	86.01496163722584	76.7222011639054
106	147	108146	-301641.1413	888757.3170250766	39.1104828157198	-101.865043	2529.86234720822	4353529.382590648	3755.184167405802	3600.87307189893	3514.917782727704	3523.4156534713627	85.9056195621287	77.4617431853658
107	147	108147	-300981.1413	888757.3170250766	39.110684215242	-101.8627116	2531.73675690413	4353527.63933825	3752.699470537573	3598.9714858988923	3512.90669880541	3522.525169220892	86.0654160438137	76.46632631
108	147	108148	-300321.1413	888757.3170250766	39.1108935770236	-101.8603803	2533.824764168873	4353521.2043219	3754.473125383834	3597.0650442752794	3510.62896454121	3522.079540770112	86.430783356582	73.985035160734
109	147	108149	-299661.1413	888757.3170250766	39.1110858409	-101.8580489	2535.835996035052	4353517.11549088	3746.884992814741	3595.157389152674	3508.52592979402	3516.756858045674	86.8683631746524	73.90092730725995
110	147	108150	-299001.1413	888757.3170250766	39.1113025311965	-101.8557175	2537.841708319523	4353510.26790042	3738.372340441467	3593.248467871373	3505.700133097634	3520.64503603241	87.4983347780552	74.002343732772
111	147	108151	-298341.1413	888757.3170250766	39.1115202652445	-101.8533878	2539.86234720822	4353529.382590648	3735.184167405802	3592.07307189893	3514.917782727704	3523.4156534713627	85.9056195621287	77.4617431853658
112	147	108152	-297681.1413	888757.3170250766	39.1117065791051	-101.8510548	2541.83035402507	4353518.0504122	3732.699470537573	3589.427629042262	3500.198723128526	3520.0249497508903	89.239337759649	69.402132
113	147	108153	-297021.1413	888757.3170250766	39.11192159996283	-101.8487234	2543.8834079887582	43535180.1677231	3732.					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SurfBothKgr.ft	
196	147	108235	-242901.1413	888757.3170250766	39.31270182951091	-01.65754969	270878.710123761	4354846.199	3637.5040451455247	3531.802511	3374.820141	3374.6726679393668	76.8283700929809	77.12984320557325
196	147	108236	-242221.1413	888757.3170250766	39.31271838222091	-01.65521595	271078.4026871927	4354842.12731458	3636.63524901733	3450.7379139134973	3374.1379170164564	3373.97574332876975	76.5999696204086	76.7613935079174
197	147	108237	-241681.1413	888757.3170250766	39.31272486991962	-01.6558284	271290.479630596	4354838.95329832	3638.76869	3449.5808137331	3373.88142774248	3373.8514818666101	75.8785681773112	75.9785681773112
198	147	108238	-240921.1413	888757.3170250766	39.31273532573294	-01.6560525	271481.59015917636	4354833.984	3634.900761196827	3449.0781396312846	3374.162517003106	3374.1556236281768	75.0967804102169	75.1967804102169
199	147	108239	-240261.1413	888757.3170250766	39.31276770193336	-01.6482211	271682.6807567568	4354829.912504176	3634.2423636488938	3448.4308718201537	3374.208078167595	3374.1541259572077	74.7625796525872	74.7625796525872
200	147	108240	-239601.1413	888757.3170250766	39.312784142776684	-01.6458896	271883.7711289993	4354825.841281304	3633.79373958642	3447.86373958642	3373.70373609777	3373.634514278853	74.1622000000000	74.1622000000000
201	147	108241	-238941.1413	888757.3170250766	39.312800473032206	-01.6435581	272084.861271161133	4354821.702953102	3633.345142485976	3447.3509924278405	3372.338809075852	3372.2582303475878	75.0126025652429	75.0126025652429
202	147	108242	-238281.1413	888757.3170250766	39.312816752590353	-01.6412266	272285.9512962608	4354817.699416568	3632.6518630137	3446.874887092095	3370.180323562316	3370.0643173596332	76.69456173596332	76.69456173596332
203	147	108243	-237621.1413	888757.3170250766	39.31283299	-01.6388854	272482.049957274	4354813.62877354	3631.940055	3446.41967	3367.550949130143	3367.43818666101	75.8936971638619	75.8936971638619
204	147	108244	-236961.1413	888757.3170250766	39.31284918	-01.6365637	272688.1304689769	4354809.55822503	3630.475247131488	3445.974787358436	3364.60995338189	3364.489791390657	75.8145377363904	75.8145377363904
205	147	108245	-236301.1413	888757.3170250766	39.31286353021198	-01.6342322	272889.219732121	4354805.48809753	3629.0114504174165	3444.350489708883	3361.579984001886	3361.490573198953	75.83505305820247	75.83505305820247
206	147	108246	-235641.1413	888757.3170250766	39.31288143259513	-01.6319007	273090.3807	4354801.41800782	3627.5471478701847	3443.85828569502	3358.42229404203	3358.204840764203	75.86593892927919	75.86593892927919
207	147	108247	-234981.1413	888757.3170250766	39.31289748994433	-01.6295692	273291.397545205	4354797.384139382	3626.2034807299433	3444.610487209433	3356.9196227247958	3356.682598633087	76.6968484633713	76.6968484633713
208	147	108248	-234321.1413	888757.3170250766	39.31291350225953	-01.6272738	273492.4861194499	4354793.278462447	3624.980491779028	3443.1517698450515	3355.8056771444158	3355.625894722482	76.31009270063578	76.29887437
209	147	108249	-233661.1413	888757.3170250766	39.3129394954069	-01.6249063	273693.5744229097	4354789.208694254	3623.757488619434	3443.586119533448	3354.596375413916	3354.559375413916	76.889974361953242	76.889974361953242
210	147	108250	-233001.1413	888757.3170250766	39.31294531917871	-01.6225748	273894.6620303177	4354785.139840022	3622.5344851120403	3442.9130248242567	3353.413468115714	3353.65761767504	76.80045631268331	76.73559360555779
211	147	108251	-232341.1413	888757.3170250766	39.31296126900816	-01.6202433	274095.7056	4354781.07059823	3621.388213868714	3442.392814411896	3352.2618776131662	3354.95555053063725	76.10306828727977	76.10306828727977
212	147	108252	-231681.1413	888757.3170250766	39.31297711017974	-01.6179118	274296.8381944117	4354779.016971611	3619.10044904695	3441.7213421929382	3351.213609434373	3351.2174490913206	76.5099612495454	76.5099612495454
213	147	108253	-231021.1413	888757.3170250766	39.31299288382451	-01.6155804	274497.92565597163	4354778.932887274	3617.2187593421954	3441.001750348585	3350.2388207833137	3353.929215385796	76.70234525154482	76.70234525154482
214	147	108254	-230361.1413	888757.3170250766	39.31300863	-01.6132489	274699.012895073	4354774.66473064	3615.377096429656	3440.2381484775726	3349.3371224754255	3349.6354914412577	76.6019018021477	76.6019018021477
215	147	108255	-229701.1413	888757.3170250766	39.313024327511485	-01.6109174	274900.091919121	4354764.7961579	3613.34388882036	3439.4413508182874	3348.466632	3353.1628737231417	76.827487709514572	76.827487709514572
216	147	108256	-229041.1413	888757.3170250766	39.31303995755362	-01.6088589	275110.1867067036	4354760.72802238	3611.350404942163	3438.61196933176	3347.52445845806	3347.6057168959336	76.9107537685498	76.9107537685498
217	147	108257	-228381.1413	888757.3170250766	39.31310542698759	-01.6068254	275320.273278456	4354756.680697973	3609.3362291725124	3437.63782603683	3346.794584897576	3346.794584897576	76.84025518698926	76.84025518698926
218	147	108258	-227721.1413	888757.3170250766	39.31307115	-01.6039229	275503.396300545	4354752.59234159	3607.3714083576	3436.921065156607	3345.93363831417118	3354.255050087887	76.9073801489539	76.9073801489539
219	147	108259	-227061.1413	888757.3170250766	39.31308665474366	-01.6015914	275704.457608237	4354750.254795719	3605.2584389525646	3435.8514888219194	3345.0816621423973	3345.0816621423973	76.81977137349899	76.81977137349899
220	147	108260	-226401.1413	888757.3170250766	39.31310213737926	-01.5992599	275905.5316694646	4354744.45200154	3603.186483	3435.194310889801	3345.198124536786	3354.4006936385	76.9049843612221	76.9049843612221
221	147	108261	-225741.1413	888757.3170250766	39.313117564249794	-01.5969284	276106.6137570793	4354740.38208054	3601.11452924155	3434.3313541824853	3344.7639172101854	3354.3315991824853	76.89567489	76.89567489
222	147	108262	-225081.1413	888757.3170250766	39.31313294605915	-01.5945969	276307.7028237664	4354736.323311213	3599.04256964951	3433.472404669431	3344.56796172539	3352.2037162744711	76.8844839439215	76.8844839439215
223	147	108263	-224421.1413	888757.3170250766	39.31314826987568	-01.5922854	276508.78867038774	4354732.265186679	3596.3362291725124	3432.63782603683	3343.794584897576	3343.794584897576	76.84025518698926	76.84025518698926
224	147	108264	-223761.1413	888757.3170250766	39.31316357465744	-01.5899539	276718.973095321	4354728.189593821	3594.791397198408	3431.7734540306932	3343.7717925485103	3349.357618254075	76.80549418362974	76.80549418362974
225	147	108265	-223101.1413	888757.3170250766	39.3131788138749	-01.5876024	276910.9501402284	4354724.13266414	3589.6430973267162	3430.30973267162	3342.797740157059	3347.1936133045475	76.81332331103435	76.81332331103435
226	147	108266	-222441.1413	888757.3170250766	39.31319402305853	-01.5852709	277112.042486974	4354720.05736923	3587.366604124964	3430.0921469726923	3341.727917937355	3345.601183059274	76.8702917931674	76.8702917931674
227	147	108267	-221781.1413	888757.3170250766	39.31320917974926	-01.5829394	277313.1269	4354715.991	3585.939584181879	3429.256917754964	3340.406839434145	3343.747354	76.8502373208196	76.8502373208196
228	147	108268	-221121.1413	888757.3170250766	39.31322429137826	-01.5806079	277514.2109894564	4354713.92556198	3583.602494818463	3428.428946783496	3338.6883028204594	3341.6370202416038	76.73602599052242	76.73602599052242
229	147	108269	-220461.1413	888757.3170250766	39.31323935795268	-01.5782764	277715.294925751	4354707.58599894	3581.256977762057	3427.585838708306	3338.21674	3338.070247579881	76.8491241621054	76.8491241621054
230	147	108270	-219801.1413	888757.3170250766	39.31325437552344	-01.5759449	277916.3783338774	4354703.794516928	3579.962051460463	3426.7672051460463	3337.63701717277	3337.63701717277	76.80549418362974	76.80549418362974
231	147	108271	-219141.1413	888757.3170250766	39.31326935607564	-01.5736134	278117.4621220476	4354699.72987028	3577.674817028073	3425.885858495369	3337.23996014022	3345.955108833046	76.96556388	76.96556388
232	147	108272	-218481.1413	888757.3170250766	39.313284267547916	-01.5712819	278315.5453919426	4354685.64250431	3574.565441730763	3425.107703987416	3326.9310625034527	3326.980905404335	76.81766549396327	76.81766549396327
233	147	108273	-217821.1413	888757.3170250766	39.31329917400357	-01.5689504	278519.628443761	4354681.59406949	3572.4254593851497	3422.483991168049	3325.7692955847	3325.7692955847	76.81027184993386	76.81027184993386
234	147	108274	-217161.1413	888757.3170250766	39.31331401542447	-01.5666189	278720.7112726259	4354687.53476641	3568.36407	3423.437183853668	3321.737343853668	3319.6905965050242	76.80939418022435	76.80939418022435
235	147	108275	-216501.1413	888757.3170250766	39.3133288181058	-01.5642874	278921.79389107926	4354683.470994935	3565.60236110175	3422.593467858567	3321.78605200509	3319.4325935940307	76.79239473799884	76.79239473799884
236	147	108276	-215841.1413	888757.3170250766	39.31334356319105	-01.5615695	279122.876287696	4354679.406035052	3563.36640635052	3421.741266963754	3320.89962275972	3310.230681751235	76.8113063877331	76.8113063877331
237	147	108277	-215181.1413	888757.3170250766	39.31335876507564	-01.5592854	279320.273278456	4354675.680697973	3561.350404942163	3420.874584897576	3320.0816621423973	3310.16509489374	76.84025518698926	76.84025518698926
238	147	108278	-214521.1413	888757.3170250766	39.31337329315929	-01.5572929	279525.044287076	4354671.27809595	3558.7995184163856	3420.01947114137	3319.1062000499	3318.10266643738	76.81100510836481	76.81100510836481
239	147	108279	-2138											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SaThNoth.f	SaThBoth.f
317	147	108361	-157947.1413	888757.3170250766	39.14443232006053	-101.3637746	296214.10538777406	434534.3468777682	3424.1353052666373	330.30109406555783	3246.0580771190373	3252.2864119811047	54.29302234650965	48.0646824647359
322	147	108362	-159081.1413	888757.3170250766	39.14444310267976	-101.361443	296415.1698091615	4354330.501096625	3423.800475459033	3298.146675451903	3246.400258229474	3253.058229474	51.7458713178973	45.140255942689
323	147	108363	-158421.1413	888757.3170250766	39.14511658896276	-101.3591114	296616.2346394586	434534.3468777682	3422.35089419073	3295.8403110498758	3246.824242667215	3253.57428269683	42.2678447511538	42.2678447511538
324	147	108364	-157761.1413	888757.3170250766	39.1446532268005	-101.3567798	296187.2908157806	434534.3468777682	3419.772627122074	3273.733358	3248.170616816374	3253.803284294716	45.56274121918568	39.80297340588186
325	147	108365	-157101.1413	888757.3170250766	39.1470676583064	-101.3544483	297018.3168736011	435431.845029187	3417.146664425074	3291.5240924484828	3248.367854251145	3254.1358828894554	43.1566831983373	37.38860956002736
326	147	108366	-156441.1413	888757.3170250766	39.14448676394422	-101.3521167	297219.4254958578	434534.3468777682	3416.614711229829	3289.212923118191	3248.545239714656	3254.205394894751	35.1130679273497	35.1130679273497
327	147	108367	-155781.1413	888757.3170250766	39.14349742	-101.3497851	298040.488818441	434530.36559779	3412.460161179073	3287.087157479813	3248.724649292676	3254.165164841847	32.78316645501369	32.9326509013659
328	147	108368	-155121.1413	888757.3170250766	39.1450808256032	-101.3474535	297621.5521427652	434530.319	3410.7250464943	3284.87333700738	3254.1943927122799	3254.1943927122799	36.1271742775592	36.1271742775592
329	147	108369	-154461.1413	888757.3170250766	39.14511658896276	-101.3451219	297822.6151678269	434530.319	3408.989374745383	3282.83705576738	3248.89864282776	3253.864161226416	33.76528147266297	33.76528147266297
330	147	108370	-153801.1413	888757.3170250766	39.1452910502622	-101.3427594	298023.677094234	434529.22657912	3405.8250257677	3280.42395938153	3248.91823302769	3253.473525258005	31.50572680384123	24.64433677232
331	147	108371	-153141.1413	888757.3170250766	39.145358578961735	-101.3404588	298224.74022113025	434529.18265474	3404.857879887714	3278.16886873475	3248.68402371905	3253.58576582045	29.0258421507797	24.56232112527143
332	147	108372	-152481.1413	888757.3170250766	39.1455000685291	-101.3381272	298425.8031518535	4345290.134872157	3404.79099632524	3275.947030672936	3247.900674311172	3250.97697814194	28.04635636176363	22.8493228587412
333	147	108373	-151821.1413	888757.3170250766	39.14563038970696	-101.3357956	298626.8653835276	4345290.08308314	3403.740193276204	3273.698330400623	3246.3580827467404	3252.337465388267	21.36113705692227	21.36113705692227
334	147	108374	-151161.1413	888757.3170250766	39.145670772523865	-101.333464	298827.9274173706	4345282.03368881	3402.681153892095	3271.4419451869207	3243.4996640131844	3251.137037303483	27.8422811737362	20.30490758372458
335	147	108375	-150501.1413	888757.3170250766	39.14581020030564	-101.331324	298927.99675835841	4345277.9967583584	3399.614734737278	3269.1743857948	3240.5273179203163	3250.043713716283	26.0062066627161	19.13370141889635
336	147	108376	-149841.1413	888757.3170250766	39.1459126804067	-101.328808	29920.05089273705	434527.9537171208	3396.445015	3266.9071698632	3237.447851106375	3248.745572768570	29.45886286457218	18.161147112125202
337	147	108377	-149181.1413	888757.3170250766	39.14601407513584	-101.3264962	299431.112333046	4345269.9867956	3390.73592018462	3263.814845459214	3237.4782834881616	3248.042475881037	17.05321160895867	17.05321160895867
338	147	108378	-148521.1413	888757.3170250766	39.14611628419485	-101.3241377	299632.1735785053	4345265.864375085	3386.50239691353	3262.35468548594	3230.7843823245033	3246.13640531190546	16.21504062934354	16.21504062934354
339	147	108379	-147861.1413	888757.3170250766	39.14621710410528	-101.3218061	299833.2346226564	4345261.819965578	3385.545425962275	3260.063016	3227.166372877624	3244.904489382133	13.89664240622622	15.15846122636761
340	147	108380	-147201.1413	888757.3170250766	39.1463180864385	-101.3194745	300034.295474404	4345261.75474838	3384.13044277604	3257.764275106475	3225.293916713672	3240.3735492138127	12.72325196384799	12.72325196384799
341	147	108381	-146541.1413	888757.3170250766	39.1464183120013	-101.3171429	300235.3613215575	4345261.37172963	3380.706417831294	3255.405333767381	3222.3368228680074	3244.3582873776757	11.096745989815543	11.096745989815543
342	147	108382	-145881.1413	888757.3170250766	39.1465181	-101.3148113	300436.416	4345249.687891216	3375.105896496432	3253.1354931286123	3219.3959379893392	3247.1989780901	10.733595159273095	10.733595159273095
343	147	108383	-145221.1413	888757.3170250766	39.1466183120013	-101.3124917	300643.932447472	4345249.687891216	3374.105896496432	3253.1354931286123	3219.3959379893392	3247.1989780901	9.568692616309768	9.568692616309768
344	147	108384	-144561.1413	888757.3170250766	39.1467162584949	-101.3101481	300838.5390207554	4345241.600933458	3368.9564955503023	3248.46732	3216.004009159293	3227.7808207101198	8.36691034262892	10.68649813402675
345	147	108385	-143901.1413	888757.3170250766	39.14681471051905	-101.3078165	301039.596712881	4345237.558	3368.89716621623	3246.1168242799454	3211.888707	3236.475764503334	7.228211733451544	9.96454289252104
346	147	108386	-143241.1413	888757.3170250766	39.1469126842141	-101.3054849	301240.6564671289	4345233.514847715	3363.8278664820034	3243.75406709514	3206.223721340624	3237.6493054372468	6.105661632267129	6.105661632267129
347	147	108387	-142581.1413	888757.3170250766	39.1470102707536	-101.3031533	301441.715847804	4345229.472	3360.855473930134	3241.381624554271	3206.597338822632	3237.364339930103	5.041818621260843	5.041818621260843
348	147	108388	-141921.1413	888757.3170250766	39.1471072804868	-101.3008127	301642.772335171	4345225.42893541	3357.980814697348	3238.966729284197	3204.125591050816	3236.503716	4.8710810190907	4.8710810190907
349	147	108389	-141261.1413	888757.3170250766	39.1472675030353	-101.2981687	301843.832447472	4345225.42893541	3356.28242089548	3235.1354931286123	3219.3959379893392	3247.1989780901	3.733595159273095	3.733595159273095
350	147	108390	-140601.1413	888757.3170250766	39.1473700752535	-101.296158	302044.8922306329	4345217.34115527	3352.230945477843	3217.444423876407	3218.11113280583	3247.1989780901	2.71134457376655	2.71134457376655
351	147	108391	-139941.1413	888757.3170250766	39.1473957970768	-101.2938269	302245.951922340	4345213.302035388	3348.896363051578	3217.37036644373	3196.4944913873023	3229.8738599383562	2.57587051076565	1.89505512003093
352	147	108392	-139281.1413	888757.3170250766	39.14741991	-101.2914953	302447.0140306808	4345209.26	3345.1021238219063	3229.374981861034	3193.9807067169427	3227.7350383746555	35.094346910747	15.87169811447884
353	147	108393	-138621.1413	888757.3170250766	39.1475858858958	-101.2891327	302648.068744451	4345205.218427053	3341.3072590614	3226.84838826036	3191.5933154472054	3223.64503544807	35.094346910747	15.87169811447884
354	147	108394	-137961.1413	888757.3170250766	39.1476802602964	-101.2868321	302849.128650987	4345201.17602169	3337.513972360134	3224.811832405003	3189.1193515934483	3219.171663230903	35.2949801385543	4.709696081193514
355	147	108395	-137301.1413	888757.3170250766	39.1477417801865	-101.2845008	303050.1849716272	4345219.135569828	3335.217519629478	3221.3358987892324	3188.625962156396	3215.4277991272617	35.5764257368377	5.50579896770917
356	147	108396	-136641.1413	888757.3170250766	39.1478765030353	-101.2821689	303251.2425223505	4345213.302035388	3334.10494291126	3219.444423876407	3218.11113280583	3247.1989780901	4.8710810190907	4.8710810190907
357	147	108397	-135981.1413	888757.3170250766	39.1479606701365	-101.2798373	303457.005605286	4345189.053848055	3332.63198167825	3216.937429167825	3216.937429167825	3216.937429167825	3.5433073776174	3.779564287
358	147	108398	-135321.1413	888757.3170250766	39.1480532393315	-101.2775057	303653.354121922	4345185.01275504	3332.82329393698	3214.418131819004	3179.450358716002	3204.131920236937	34.9677831219754	34.9677831219754
359	147	108399	-134661.1413	888757.3170250766	39.14814535815024	-101.2757141	303854.14567591	4345181.97612169	3331.968702901837	3213.9833697687	3176.9627900338132	3207.126556280397	35.0245956387392	11.70862312377569
360	147	108400	-134001.1413	888757.3170250766	39.148237265924	-101.273425	304055.4715297711	4345176.931789735	3331.060828273806	3209.314783600495	3174.9465872085216	3219.1763936737	34.3848915	13.15163849232578
361	147	108401	-133341.1413	888757.3170250766	39.1483223465825	-101.2709109	304256.5289965635	4345172.8916104045	3329.1518761645	3206.7628127301534	3212.452216878244	3219.3959379893392	34.3848915	13.15163849232578
362	147	108402	-132681.1413	888757.3170250766	39.1484191234736	-101.2681793	304457.84847745026	4345168.51623262	3328.242104117753	3204.1757312694517	3211.93712694517	3218.60712746315	34.1948747	15.568804113020228
363	147	108403	-132021.1413	888757.3170250766	39.1485109156947	-101.265911	304659.196547591	4345163.7225516	3327.30239643079	3203.19849618767	3210.461952043813	3218.60712746315	34.1948747	15.568804113020228
364	147	108404	-131361.1413	888757.3170250766	39.14859911952476	-101.263561	304859.6974571961	4345160.7225516	3326.30239643079	3203.19849618767	3210.461952043813	3218.60712746315	34.1948747	15.568804113020228
365	147	108405	-130701.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBotKrg.ft	SatHtKrg.ft	SatHtBoth.ft
437	147	10487	-75681.14133	888757.3170250766	-31.5154481226861	-101.0699912	321546.7138464064	433826.154	3198.136745400273	2012.7897725172625	2947.842750270371	2948.7804228258287	64.9474974489125	64.00934999143373
448	147	10488	-75921.14133	888757.3170250766	-31.51545017542226	-101.0676595	32174.7491794375	433822.131	3198.592217597298	2011.773339436236	2944.5269059257453	2945.409273734287	67.2470279658802	66.364031712089744
449	147	10489	-75916.14133	888757.3170250766	-31.515456917	-101.0653278	321945.9352628375	433826.154	3197.92276897192048	2010.769658494345	2940.701084	2943.405135185643	70.9384450334653	69.5822643388856
450	147	10490	-76001.14133	888757.3170250766	-31.51546287572915	-101.0629062	321949.8350037818	433810.04403443	3202.4221731678761	3009.7762615967335	2958.529035878318	297.2102735009539	73.24722572	72.4952344663403
451	147	10491	-73941.14133	888757.3170250766	-31.51546935529995	-101.0606646	322350.87610373905	433810.061519986	3203.151026766556	3008.79363740918	2933.08547755543	2933.5473108685725	75.702728537488	75.24632618
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SurfBothKgrg.ft	SurfBoth.ft
573	147	08613	6578.858673073351	888757.3170250766	39.31574976664919	-100.7760205	46786.5527185805	4333320.700065443	3003.632529991188	2666.636875446083	2811.777755	2835.490758490249	54.85893218390811	31.1452928604359142
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577	147	08617	9218.858673073351	888757.3170250766	39.31574761052805	-100.7668758	347680.633769791	4333304.703050416	2996.475145872677	2863.78583785553	2803.47932008196	2828.03186504837	53.29009186765918	32.69686979091816
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581	147	08621	11898.858673073351	888757.3170250766	39.31574473377683	-100.7584953	348278.693456627	4333320.706802285	2989.75671007	2854.498024699125	2801.094451983456	2800.2871664015274	54.430387304665576	54.430387304665576
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602	147	08642	25718.858673073351	888757.3170250766	39.31571870983142	-100.7085811	352706.093323442	4333170.73949045	2943.931127451	2794.79492508853	2757.790495053653	2784.61130470873	42.6540726301901	13.48332841210489
603	147	08643	26378.858673073351	888757.3170250766	39.3157160337491	-100.7062528	352907.103647802	4333200.80080983	2937.508843038232	2790.0035853436	2755.717871797137	2780.591422239236	42.6540726301901	13.48332841210489
604	147	08644	27038.858673073351	888757.3170250766	39.315714207722095	-100.7039321	353108.119769789	4333186.80637419	2936.945363328184	2787.26462367519	2753.385065060292	2765.657591847763	42.6540726301901	13.48332841210489
605	147	08645	27698.858673073351	888757.3170250766	39.31571234002994	-100.7015893	353309.1357495145	4333182.812844215	2936.38146426554	2784.625057070135	2751.333107855177	2764.48330006029	42.6540726301901	13.48332841210489
606	147	08646	28358.858673073351	888757.3170250766	39.315710427299434	-100.6992576	353510.151587174	4333188.81958083	2933.817275424903	2782.0380701865	2749.121832712935	2762.4049971627116	42.6540726301901	13.48332841210489
607	147	08647	29018.858673073351	888757.3170250766	39.3157084952761	-100.6969826	353713.11673	4333184.8620414	2931.3961086286	2779.15151928671	2747.257831	2762.4049971627116	42.6540726301901	13.48332841210489
608	147	08648	29678.858673073351	888757.3170250766	39.31570656471742	-100.6946943	353912.182371453	4333180.93406292	2929.107234303512	2777.282574504337	2745.1007840843043	2762.4049971627116	42.6540726301901	13.48332841210489
609	147	08649	30338.858673073351	888757.3170250766	39.315704041886791	-100.6922627	354113.192485653	4333176.8602415	2926.73876023246	2775.009542254317	2742.962214466167	2757.4212077881496	42.6540726301901	13.48332841210489
610	147	08650	30998.858673073351	888757.3170250766	39.3157025259706	-100.689931	354314.2135213027	4333172.84867619	2924.45122810341	2773.18355178828	2740.849195136435	2751.179377655306	42.6540726301901	13.48332841210489
611	147	08651	31658.858673073351	888757.3170250766	39.3157010880591	-100.6875993	354515.2286517625	4333168.85067149	2920.00116556117	2770.690756685203	2738.75534821268	2746.1513347875203	42.6540726301901	13.48332841210489
612	147	08652	32318.858673073351	888757.3170250766	39.3156980508343	-100.6852677	354716.2436	4333164.8634364	2916.0164668007	2768.63580361276	2736.7007405382716	2742.962214466167	42.6540726301901	13.48332841210489
613	147	08653	32978.858673073351	888757.3170250766	39.31569597707663	-100.682936	354917.2584903554	4333160.814742848	2913.810117109553	2766.645010214737	2734.7105098396	2742.962214466167	42.6540726301901	13.48332841210489
614	147	08654	33638.858673073351	888757.3170250766	39.315693540400534	-100.6806044	355118.27319891716	4333156.89662048	2910.20576730498	2764.7143387904	2732.0102831462	2742.962214466167	42.6540726301901	13.48332841210489
615	147	08655	34298.858673073351	888757.3170250766	39.3156911098198	-100.6782777	355319.289621785	4333152.8762415	2907.4249971627116	2762.781641688077	2730.15161688077	2742.962214466167	42.6540726301901	13.48332841210

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SurfTha.f	SatThBoth.f	
69	147	108738	897938.8586730335	888757.3170250766	39.151333567706926	-100.48242142	72204.0321086746	4352818.269323962	724.2942547442394	2549.5220307815534	2587.7335519831267	2593.4955365912137	61.788478798426695	56.02649410933699	
700	147	108740	90388.8586730335	888757.3170250766	39.153239530667905	-100.4800426	72405.0350576147	4352814.73734046	724.7371445372665	2648.719041439647	2586.627129072424	2591.4851261548068	61.551912071522566	56.69391489811409	
701	147	108741	90388.8586730335	888757.3170250766	39.153239530667905	-100.4800426	72405.0350576147	4352814.73734046	724.7371445372665	2648.719041439647	2586.627129072424	2591.4851261548068	61.551912071522566	56.69391489811409	
702	147	108742	90388.8586730335	888757.3170250766	39.153239530667905	-100.4800426	72405.0350576147	4352814.73734046	724.7371445372665	2648.719041439647	2586.627129072424	2591.4851261548068	61.551912071522566	56.69391489811409	
703	147	108743	92378.8586730335	888757.3170250766	39.1531082123065	-100.4730877	737008.4046696283	4352802.368370305	7238.296387307035	2642.228668341865	2587.996664513808	2588.870648349374	54.29302182605675	55.35738792010594	
704	147	108744	90388.8586730335	888757.3170250766	39.15304446474564	-100.470756	737029.0478791747	4352803.368370305	7242.21233060576	2642.92762918643	2587.967976384543	2587.967976384543	54.54778406209454	55.35738792010594	
705	147	108745	90388.8586730335	888757.3170250766	39.15304446474564	-100.470756	737029.0478791747	4352803.368370305	7242.21233060576	2642.92762918643	2587.967976384543	2587.967976384543	54.54778406209454	55.35738792010594	
706	147	108746	94358.8586730335	888757.3170250766	39.15291706446628	-100.4660928	737611.053330296	4352790.44710235	7235.0391771473204	2641.627738323085	2587.400898909346	2580.839953267842	61.64235812262744	59.48454664669174	
707	147	108747	95018.8586730335	888757.3170250766	39.1528547474653	-100.4632971	737812.05897800714	4352784.07853443	7236.209257661474	2639.8131328500224	2578.946337145358	2578.946337145358	61.665654549667	62.4564032324789	
708	147	108748	95678.8586730335	888757.3170250766	39.1527873805414	-100.4614263	737410.0325020444	4352782.45649893	7237.636035078246	2637.690073248114	2579.539183726216	2572.370423315187	68.1509802818965	65.3196454329267	
709	147	108749	96338.8586730335	888757.3170250766	39.152672196315674	-100.4590979	737424.06005058875	4352786.52273605	7232.0622124963705	2636.352658037855	2565.5121942814308	2568.32687578325	70.80406264535478	68.0199635295301	
710	147	108750	96988.8586730335	888757.3170250766	39.15256595289336	-100.456762	737445.06278809434	4352774.549146564	7218.485989191	2634.99997038281	2562.137649	2564.158803873985	72.8623476912079	70.80415892008248	
711	147	108751	97658.8586730335	888757.3170250766	39.152558947702493	-100.4544364	737461.06484975864	4352770.575726875	7217.48505945944	2633.625961674782	2558.448387291577	2559.802489839193	75.1845778590114	73.8304618428534	
712	147	108752	98318.8586730335	888757.3170250766	39.1525226038314	-100.452103	737481.066918035	4352766.60200170	7217.804718907354	2632.258736542733	2555.317011470003	2556.505724001673	78.9421725072297	75.7841251259598	
713	147	108753	98978.8586730335	888757.3170250766	39.15245452895364	-100.4497713	7375018.686122659	4352762.629046007	7217.804718907354	2630.865967765546	2552.7568157393175	2553.705959790173	81.7008010323703	77.1589386065413	
714	147	108754	99638.8586730335	888757.3170250766	39.15238751994116	-100.4474997	737519.0710313510	4352768.557	7217.804718907354	2629.93413586736	2551.17995978105	2552.04174169636	82.74305795157215	78.2923410569326	
715	147	108755	100298.8586730335	888757.3170250766	39.15231593001443	-100.4451081	7375420.071895045	4352754.683949692	7216.971148093522	2628.077433125583	2551.371924647581	2552.162808	83.76104396	79.5136255978296	
716	147	108756	100958.8586730335	888757.3170250766	39.1522506299287	-100.4427765	7375621.07545696824	4352750.71475947	7216.971148093522	2626.01664260273	2550.7706615469374	2554.38934522376	79.7045643423928	72.2919694695349	
717	147	108757	101618.8586730335	888757.3170250766	39.15218150936325	-100.4404448	7375822.074996558	4352746.73919361	7216.971148093522	2625.289563	2557.928125868077	2558.60460274934	81.7634729430266	66.6846711074834	
718	147	108758	102288.8586730335	888757.3170250766	39.152111193841336	-100.4381132	7376023.07602323167	4352742.76990342	7216.971148093522	2623.03261080578	2556.8411424357123	2557.13658280647	82.06209537016375	66.767338250114	
719	147	108759	102938.8586730335	888757.3170250766	39.15204019170799	-100.4357816	7376224.071778987	4352738.79	7216.971148093522	2622.52301403066	2555.545191739905	2557.64067698636	82.8922441724843	64.88292441724843	
720	147	108760	103598.8586730335	888757.3170250766	39.15197114453626	-100.4334499	7376425.081138644	4352734.823	7216.971148093522	2621.1525963895466	2554.555421236397	2559.510951329152	81.60040673492545	61.64235812262744	
721	147	108761	104258.8586730335	888757.3170250766	39.151901575243	-100.4311673	7376626.0788913219	4352679.235235243	7216.971148093522	2620.0679339456	2553.85167223879	2558.85167223879	81.71527408842192	73.71527408842192	
722	147	108762	104918.8586730335	888757.3170250766	39.15182915077706	-100.4287867	7376827.0797305054	4352766.88017812	7216.971148093522	2618.728224077035	2551.414209	2558.167158310057	2558.529021288005	82.0245016803414	49.3127162103489
723	147	108763	105578.8586730335	888757.3170250766	39.15175173279092	-100.4265451	7377028.0803615928	4352762.909470118	7216.971148093522	2614.9487433186996	2551.021880708245	2557.83883398325	82.76785613724613	42.22362696838205	
724	147	108764	106238.8586730335	888757.3170250766	39.1516805456583	-100.4241234	7377229.0804767366	4352718.938511472	7216.971148093522	2614.7408172114205	2551.755022389684	2554.897544009139	82.7642810168538	49.3127162103489	
725	147	108765	106988.8586730335	888757.3170250766	39.1516123	-100.4217918	7377430.0812703202	4352716.58715245	7216.971148093522	2613.528911714625	2551.841839992323	2557.1755784114553	2558.04687500119	47.2862608977704	46.414915429913375
726	147	108766	107558.8586730335	888757.3170250766	39.151545510068	-100.4194602	7377631.0815	4352710.9716169	7216.971148093522	2612.324965014283	2551.1649189302125	2557.958693797937	2558.295656016013	55.2602251327681	54.86926249141968
727	147	108767	108218.8586730335	888757.3170250766	39.15147928157068	-100.417268	7377832.07891541	4352704.7878154	7216.971148093522	2610.9877932466	2550.86977329448	2550.86977329448	61.4373016697963	61.4373016697963	
728	147	108768	108878.8586730335	888757.3170250766	39.151391575243	-100.4147169	737803.075287244	4352703.0568219	7216.971148093522	2610.054320377	2550.7534520779	2550.7534520779	66.2710134829882	66.2710134829882	
729	147	108769	109538.8586730335	888757.3170250766	39.1513163625926	-100.412653	7378234.08167973114	4352699.08655901	7216.971148093522	2609.331655242726	2550.73804365487	2550.73804365487	68.61936168378567	68.61936168378567	
730	147	108770	110188.8586730335	888757.3170250766	39.151241957115	-100.4101337	7378435.0614899374	4352695.71710225	7216.971148093522	2608.012758306784	2550.38262283176	2557.41853953498	70.7916717819047	70.7916717819047	
731	147	108771	110858.8586730335	888757.3170250766	39.151166631816	-100.4078921	7378636.0818183932	4352691.1796008	7216.971148093522	2616.81920505805	2605.7344263778218	2554.137624034833	72.6586024833488	72.6586024833488	
732	147	108772	111518.8586730335	888757.3170250766	39.1510950548697	-100.4054705	7378837.0807612054	4352687.1076008	7216.971148093522	2615.9315980105	2605.34123821773	2552.743699453063	73.7278287	73.7278287	
733	147	108773	112178.8586730335	888757.3170250766	39.1510143281758	-100.403138	7379048.080226758	4352683.208931025	7216.971148093522	2614.28517828856	2604.271701605057	2551.0148989872	75.0092050975514	73.85770876232492	
734	147	108774	112838.8586730335	888757.3170250766	39.150931575243	-100.400872	7379249.0788913219	4352679.235235243	7216.971148093522	2613.0679339456	2550.86977329448	2550.86977329448	81.71527408842192	81.71527408842192	
735	147	108775	113498.8586730335	888757.3170250766	39.15086023245256	-100.3984758	7379408.0788913219	4352675.27	7216.971148093522	2612.0583277854321	2550.73804365487	2552.2191477205	82.7642810168538	73.85770876232492	
736	147	108776	114158.8586730335	888757.3170250766	39.150782458035	-100.396144	7379614.0779120905	4352671.3075415	7216.971148093522	2610.9877932466	2550.86977329448	2550.86977329448	83.80313207417844	83.80313207417844	
737	147	108777	114818.8586730335	888757.3170250766	39.1507045175833	-100.3938124	7379822.07891541	4352667.33255528	7216.971148093522	2609.331655242726	2550.73804365487	2550.73804365487	84.7917872920028	84.7917872920028	
738	147	108778	115478.8586730335	888757.3170250766	39.1506253898176	-100.3914807	7380043.0756661406	4352663.36434361	7216.971148093522	2608.724942337509	2550.791735665027	2551.89516071556473	86.083977600906	75.0813276655624	
739	147	108779	116138.8586730335	888757.3170250766	39.150548999991	-100.3891491	7380244.0756661406	4352659.36820714	7216.971148093522	2607.91529558085	2550.791735665027	2551.89516071556473	86.083977600906	75.0813276655624	
740	147	108780	116798.8586730335	888757.3170250766	39.1504647036554	-100.3868175	7380445.0756661406	4352655.48867676	7216.971148093522	2606.92328798569	2550.791735665027	2551.89516071556473	86.083977600906	75.0813276655624	
1	148	108781	35728.8586730335	889417.3170250766	39.1047691193614	-102.1058295	7379408.0788913219	4352675.27	7216.971148093522	2612.0583277854321	2550.73804365487	2552.2191477205	82.7642810168538		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg.f	BRrElevBothKrg.f	SatHtElev.f	SatHtBoth.f
85	148	108865	-315501.1413	888417.3170250766	39.1241872558469	-01.914029	248760.9514055319	4354596.98929212	3846.1030812329036	3642.913615	3562.1056589995255	3601.280974	80.8076558410451	41.63264077988015
86	148	108866	-314841.1413	888417.3170250766	39.12440232345075	-01.913876	248962.0668557179	4354592.495729745	3843.925115603844	3560.952035394218	3558.8228564566746	3601.7009688423373	82.1291877854442	39.25107302481178
87	148	108867	-314181.1413	888417.3170250766	39.1236168407466	-01.903664	249163.1855173801	4354588.84681705	3845.981547407048	3558.963747405184	3558.6634423257073	3601.7009688423373	83.30314014254059	37.0241311803147
88	148	108868	-313521.1413	888417.3170250766	39.12348317107335	-01.907308	249364.3020211198	4354584.39018076	3837.519695524075	3537.00547819342	3547.672056182583	3602.2496361911335	84.39381897616804	34.710888513170175
89	148	108869	-312861.1413	888417.3170250766	39.12504448244118	-01.9047034	249565.4186365818	4354580.216	3833.954033967591	3535.0201530382246	3549.546926787541	3602.2496361911335	85.4272266508364	32.7705168470131
90	148	108870	-312201.1413	888417.3170250766	39.12401220178025	-01.903272	249756.5342400318	4354576.12344043	3830.931124107076	3533.02876058695	3546.848470408978	3598.068316401588	86.18140545971736	34.961550957107045
91	148	108871	-311541.1413	888417.3170250766	39.125245470968387	-01.9000406	249967.650378377563	4354572.03000046	3826.95034033935	3531.0349273896663	3543.672705618253	3598.068316401588	87.35771982838105	41.786408398739876
92	148	108872	-310881.1413	888417.3170250766	39.1256837275867	-01.897792	250168.7646504305	4354567.938437583	3823.336694273119	3529.036639436612	3540.56922377596	3578.3416684785976	88.46741050915195	50.69407590785255
93	148	108873	-310221.1413	888417.3170250766	39.1258911882042	-01.895378	250369.89120097078	4354563.84265928	3819.116895	3527.035996969484	3537.3596861526863	3565.832927512386	89.76304141658653	61.20367911868654
94	148	108874	-309561.1413	888417.3170250766	39.1261056531505	-01.8930484	250570.9770885516	4354559.75422948	3816.699403329473	3525.034193589165	3534.012147125589	3553.354041425396	91.022777353328	71.6753771839042
95	148	108875	-308901.1413	888417.3170250766	39.1263176679653	-01.890715	250772.1102468294	4354556.66517345	3813.027245245194	3523.003847560745	3530.597251251529	3541.1144693481553	81.91591527259561	
96	148	108876	-308241.1413	888417.3170250766	39.1265282324679	-01.8883836	250973.2267510545	4354551.57097177	3809.094314416666	3521.028324328321	3526.912338935735	3541.1144693481553	82.9466121454178	
97	148	108877	-307581.1413	888417.3170250766	39.1267383466585	-01.8860522	251174.3412119034	4354549.37927976	3805.172103399033	3519.028607721867	3525.3213021503448	3530.734041377793	83.70730507675195	48.29856938731512
98	148	108878	-306921.1413	888417.3170250766	39.126948105363	-01.8837208	251375.455424274	4354543.38131419	3801.243119564003	3517.034172442178	3524.850964998887	3540.04015840806	84.1231624228936	86.2301116389024
99	148	108879	-306261.1413	888417.3170250766	39.127175122410076	-01.8813894	251576.5698887652	4354539.29710602	3796.971381213487	3515.49765215236	3529.3598423545004	3529.3598423545004	85.193152227651979	75.6942713898869
100	148	108880	-305601.1413	888417.3170250766	39.127396	-01.879058	251777.810946176	4354535.202626417	3792.372308724375	3512.0773992741547	3522.894230341108	3528.82432272617	86.08705823204649	84.73430904654303
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129	148	108909	-286461.1413	888417.3170250766	39.1332243235852	-01.8114465	257609.8750481491	4354325.65637271	3700.942336					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.LgsKrg.f	BR Elev.Both.f	SatH.Lgs.f	SatH.Both.f
211	148	108991	-223241.1413	889417.3172025076	39.31477394721658	-101.620637	279490.82607008447	4354982.329197512	3617.135853	341.2246425221407	3350.5475790031514	3351.217021864257	90.00760631952926	90.00762605815388
212	148	108992	-231681.1413	889417.3172025076	39.31478977979904	-101.6173322	274300.9135523485	4354978.260744965	3616.2292741441066	340.5428717439804	3349.332876336095	3349.332876336095	91.20996549805044	91.20996549805044
213	148	108993	-231021.1413	889417.3172025076	39.314899348989655	-101.6161813	275765.0081195135	4354974.911488905	3615.3195959211237	3439.830287444837	3348.1527444469836	3348.1527444469836	93.80165733834409	93.80165733834409
214	148	108994	-230361.1413	889417.3172025076	39.31482130958116	-101.6132691	274703.0874910006	4354970.122041496	3614.6104768008102	3439.03009671325	3401.21211080702	3401.21211080702	95.02960597506032	95.02960597506032
215	148	108995	-229701.1413	889417.3172025076	39.314837030733467	-101.6109375	274904.174663996	4354966.053874505	3612.9393593196837	3438.2760721897585	3438.82563018451	3438.82563018451	92.38309517130765	92.38309517130765
216	148	108996	-229041.1413	889417.3172025076	39.31485269775816	-101.608066	275105.2612565396	4354961.985527131	3610.906623971753	3437.46512596526	3434.842468818194	3434.842468818194	92.62269908	92.62269908
217	148	108997	-228281.1413	889417.3172025076	39.31487066718155	-101.6062744	275306.3472786847	4354957.91734028	3608.87312035864	3436.635863769227	3433.702752664833	3433.702752664833	93.92308850143922	93.92308850143922
218	148	108998	-227271.1413	889417.3172025076	39.314883829551846	-101.603429	275507.3437725314	4354953.849410418	3606.840800903564	3435.7936803703653	3432.960848494002	3432.960848494002	95.5693887786848	95.5693887786848
219	148	108999	-226061.1413	889417.3172025076	39.314899348989655	-101.601613	275765.0081195135	4354949.911488905	3605.8195959211237	3434.943221261205	3436.1527444469836	3436.1527444469836	93.80165733834409	93.80165733834409
220	148	109000	-225401.1413	889417.3172025076	39.31491481918555	-101.5992798	275909.5054113362	4354945.714074814	3602.897391200639	3434.089665348453	3432.178912416445	3432.178912416445	95.035923302377	95.035923302377
221	148	109001	-225741.1413	889417.3172025076	39.31493026445975	-101.5969842	276110.6908974589	4354941.646648185	3601.112759510063	3433.262752661383	3431.977801452197	3431.977801452197	93.896914973093	93.896914973093
222	148	109002	-225081.1413	889417.3172025076	39.314945626877975	-101.5946167	276311.7762	4354937.97508672	3598.226120637493	3432.38510012424	3431.914791843476	3431.914791843476	94.07017907	94.07017907
223	148	109003	-224421.1413	889417.3172025076	39.3149609658701	-101.5922851	276512.861206841	4354933.512515972	3596.95348147863	3431.53807543041	3431.7325545254625	3437.578223493926	98.805531275839	98.805531275839
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226	148	109006	-222441.1413	889417.3172025076	39.31500670274666	-101.5852095	277116.11501812935	4354921.313	3588.9501251812033	3429.0119689197285	3430.77071459658	3430.77071459658	99.2412353607028	99.2412353607028
227	148	109007	-221781.1413	889417.3172025076	39.31502186428465	-101.5828589	277317.19918204576	4354917.246479484	3586.908155	3428.75166179178	3398.681002370767	3427.807798	94.641836804113	94.641836804113
228	148	109008	-221121.1413	889417.3172025076	39.315036973698884	-101.5806274	277518.2812638146	4354913.18043917	3585.4753235660187	3427.340635379153	3337.2341982380144	3427.340635379153	90.1064322990092	90.1064322990092
229	148	109009	-220461.1413	889417.3172025076	39.31505024327736	-101.5782958	277719.3668513421	4354909.114627144	3584.0388922006833	3426.50715729189	3335.349726216808	3335.349726216808	97.8136434913943	97.8136434913943
230	148	109010	-219801.1413	889417.3172025076	39.31506570652007	-101.5759642	277920.40535113195	4354905.848828629	3582.604386460975	3425.675308385074	3332.764502	3335.333347	92.1910668734052	92.1910668734052
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234	148	109014	-217161.1413	889417.3172025076	39.315126102532334	-101.566638	278724.7821926594	4354888.78361661	3577.762826425893	3422.31040387436	3319.912904463067	3320.4085096964303	97.3274904112967	97.3274904112967
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237	148	109017	-215181.1413	889417.3172025076	39.3151709581423	-101.5596433	279328.02878171395	4354876.95925615	3565.847959104633	3419.7131767678006	3311.539075409086	3311.539075409086	98.76883618165093	98.76883618165093
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239	148	109019	-213861.1413	889417.3172025076	39.31520230369884	-101.554987	279730.1928084515	4354869.46035128	3563.91474292708	3417.918466941078	3312.42571524941078	3312.42571524941078	98.438411100892	98.438411100892
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246	148	109026	-209241.1413	889417.3172025076	39.31530126149145	-101.5386591	281137.756910793	4354840.8505191	3558.9402473292708	3410.857739	3321.91296160694	3321.91296160694	97.7023379187122	97.7023379187122
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248	148	109028	-207921.1413	889417.3172025076	39.31532979045446	-101.533996	281539.915712104	4354831.90055046	3556.57664612603	3408.542224036624	3322.885379697084	3328.640919775749	98.658443395338	98.658443395338
249	148	109029	-207261.1413	889417.3172025076	39.31534381573025	-101.5316644	281740.956977677	4354826.938597372	3546.7852861679574	3407.321328145849	3323.777564704008	3327.77564704008	98.585443395338	98.585443395338
250	148	109030	-206601.1413	889417.3172025076	39.31535804562116	-101.5293328	281942.0746630206	4354823.76806035	3542.995925797093	3406.05178009747	3324.035503307886	3325.71259178318	98.014672801931	98.014672801931
251	148	109031	-205941.1413	889417.3172025076	39.315372122705746	-101.527013	282143.15381389257	4354817.51257739	3543.87862662633	3405.849054273532	3324.7932396966	3328.640919775749	98.658443395338	98.658443395338
252	148	109032	-205281.1413	889417.3172025076	39.31538615385393	-101.5246897	282344.2325487097	4354815.65347173	3543.43388794733	3403.34635811892	3324.136031468574	3323.33824103671	97.71538626167	97.71538626167
253	148	109033	-204621.1413	889417.3172025076	39.315400326262626	-101.522367	282545.3131071497	4354813.93617258	3543.019361122862	3402.319361122862	3323.919361122862	3323.919361122862	97.71538626167	97.71538626167
254	148	109034	-203961.1413	889417.3172025076	39.31541408104095	-101.520005	282746.3894	4354807.53164902	3542.58160913	3401.04490263248	3323.16951151127	3321.0441791290756	98.8943479403636	98.8943479403636
255	148													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElev.Kgr.ft	SurfElev.Kgr.ft
327	148	10117	-149181.1413	889417.3170250766	39.16141419078004	-101.3264823	299435.1625006116	4354471.141487553	3388.8530693829543	3244.9005946987763	3231.3394552432896	3245.2467396141603	33.56113962483964	19.65385856516336
328	148	10118	-148521.1413	889417.3170250766	39.16142434877045	-101.3241507	299636.2235404084	4354467.06691036	3385.09505352959	3262.6297619584008	3228.278202475711	3243.830391913836	34.31155948464652	18.7986640464652
329	148	10119	-147691.1413	889417.3170250766	39.16144451859771	-101.321619	299807.264907584	4354463.53210467	3384.493645170439	3260.354501388053	3224.8318781668772	3242.5311158039816	34.5228523053329	17.6222103085967
330	148	10120	-147201.1413	889417.3170250766	39.16144453	-101.3194874	300034.405043837	4354459.07675695	3373.9732552455	3258.082152809153	3232.18746904239	3247.735861668693	34.880746231235	15.3033596640496
331	148	10121	-146541.1413	889417.3170250766	39.16144552257696	-101.3171558	300239.40545452684	4354445.96345856	3389.5344	3255.7723411061424	3220.266227305917	3242.07788137251	35.50368131255077	13.69445196889137
332	148	10122	-145811.1413	889417.3170250766	39.16144553	-101.3148241	300440.4657520314	4354450.91943055	3392.13132843576	3253.46609796682	3217.560253147812	3240.678561486986	12.78951749178759	12.78951749178759
333	148	10123	-145221.1413	889417.3170250766	39.161447462765825	-101.3124825	300641.52581355436	4354446.879569789	3392.150326283103	3251.1485965131475	3215.7212675612695	3239.231860876854	35.42723315817793	11.91341864546216
334	148	10124	-144561.1413	889417.3170250766	39.16144835046219	-101.3101608	300842.58567304467	4354431.61955563	3389.64133402311	3248.81957926041	3213.085232991322	3238.844121050625	36.23496260980435	9.97545809408943
335	148	10125	-143901.1413	889417.3170250766	39.161449119312003	-101.307691	301043.645248484	4354436.78858506	3387.123241763314	3246.497255821743	3210.596858957986	3238.745147778403	35.47456714646451	11.53841144002761
336	148	10126	-143241.1413	889417.3170250766	39.1615039072335	-101.3054785	301244.704824291	4354434.74520529	3384.623435050317	3244.172537383384	3207.973469	3242.961177193	37.117325641393196	11.71325641393196
337	148	10127	-142581.1413	889417.3170250766	39.16151374332007	-101.3031658	301445.761039551	4354431.702186922	3381.607837271461	3241.764335029323	3205.475935070433	3232.904307	36.283401	4.86800270012445
338	148	10128	-141921.1413	889417.3170250766	39.1615234086228	-101.3008342	301646.822	4354426.6593157165	3378.085056057716	3239.3895472537974	3203.0061812312742	3236.027554986825	36.3836022523205	3.91296269149672
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345	148	10135	-137301.1413	889417.3170250766	39.161590142576054	-101.2845126	303054.2313040956	4354398.364606466	3352.275187378539	3222.40329	3186.35512216483	3217.1826032382114	36.08416759	5.220686514818681
346	148	10136	-136641.1413	889417.3170250766	39.16159949	-101.2821809	303255.288875506	4354394.32274937	3351.1017791144	3219.9195986526746	3183.9407142102955	3213.2295133077664	35.97888415137907	6.690083137008142
347	148	10137	-135981.1413	889417.3170250766	39.1616087920325	-101.2794943	303456.3642118954	4354391.282135837	3348.750394449759	3214.421925244742	3181.545743254153	3209.201559639487	35.8761789	8.220395658287043
348	148	10138	-135321.1413	889417.3170250766	39.16161804915875	-101.2775176	303657.4033583454	4354386.241189152	3346.4801	3214.91873142195	3179.3431367403763	3205.12479750288	35.67771691627814	9.696615931907107
349	148	10139	-134661.1413	889417.3170250766	39.16162815725464	-101.2744743	303842.1632870297	4354382.691046196	3343.560747298473	3213.853954154024	3178.547472871739	3204.25188424989	35.483138842998	11.2284261585321
350	148	10140	-134001.1413	889417.3170250766	39.16163543	-101.2725543	304059.517033156	4354378.16	3346.374110533642	3209.8382076524	3179.4502534740077	3197.456376724255	34.889585602163	12.28118625416818
351	148	10141	-133341.1413	889417.3170250766	39.1616455309253	-101.2705226	304260.573642321	4354371.119053159	3345.381663240654	3207.781331702786	3172.49401988333	3197.45631683313	34.7841127884539	13.66178126954938
352	148	10142	-132681.1413	889417.3170250766	39.16165462739282	-101.268191	304461.630192097	4354370.0326421	3344.3971682074341	3204.69887163695	3170.9359671293777	3189.830391376806	34.6622003431727	14.86849399814314
353	148	10143	-132021.1413	889417.3170250766	39.16166369354305	-101.2658593	304662.6860241947	4354364.390317405	3344.434440060808	3202.1022941220813	3167.78696197978	3186.181240984154	35.1291327623933	15.92105137329903
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355	148	10145	-130701.1413	889417.3170250766	39.16168158810607	-101.261186	305064.779928554	4354357.959949369	3346.560472598473	3196.835945178244	3166.028694891494	3181.787472871739	34.25188424989	17.50384261585321
356	148	10146	-130041.1413	889417.3170250766	39.16169158810607	-101.2590535	305235.80121736	4354352.60041738	3347.260192041736	3194.201762340443	3165.5032121801	3181.787472871739	34.25188424989	17.50384261585321
357	148	10147	-129381.1413	889417.3170250766	39.1616993381149	-101.2565327	305466.9002963034	4354349.88132452	3347.840603444567	3191.532049336284	3158.4115219561318	3174.256379315149	33.12052738015245	17.275607201135284
358	148	10148	-128721.1413	889417.3170250766	39.16170814378516	-101.254201	305667.964258104	4354345.842300334	3347.813117083268	3188.845645866269	3155.798627480005	3174.256379315149	33.12052738015245	17.275607201135284
359	148	10149	-128061.1413	889417.3170250766	39.16171690530662	-101.2518693	305869.0192963095	4354341.80347288	3346.585305602053	3186.14216259415	3152.9031925747453	3166.859461395417	33.2389701674504	19.28270125465360
360	148	10150	-127401.1413	889417.3170250766	39.16172502199574	-101.2495377	306070.0741438966	4354337.367	3345.954274831623	3184.421496902432	3150.2504501629833	3163.2011667480574	33.1707974325998	20.2198242258807
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362	148	10152	-126081.1413	889417.3170250766	39.16174323569108	-101.2448743	306472.1832870297	4354329.681046196	3345.61726915259	3177.84055706878	3145.009297607434	3154.2504501629833	33.2389701674504	22.3289523053329
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364	148	10154	-124761.1413	889417.3170250766	39.16176003366645	-101.240211	306874.29173410556	4354321.612022469	3345.439542515657	3172.389252	3139.6420168235	3147.36103136312	33.27465057947967	25.028218904176864
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366	148	10156	-123441.1413	889417.3170250766	39.16177697315176	-101.2355477	307276.399431835	4354313.53701411	3342.366445749293	3166.80028607541	3134.092907856426	3140.576693303684	33.27701210432547	26.22332903360518
367	148	10157	-122781.1413	889417.3170250766	39.161785737731726	-101.233216	307477.452621607	4354309.494974881	3340.333864	3163.891145496185	3130.7864713392764	3137.2706293140208	33.22262316230245	26.3170974325998
368	148	10158	-122121.1413	889417.3170250766	39.16179373174051	-101.2308843	307678.506142344	4354305.46264852	3338.303401043127	3161.1653579998	3131.3627330684	3133.7867587591	33.3917769	27.29735864389478
369	148	10159	-121461.1413	889417.3170250766	39.16180151182925	-101.228611	307880.6129124234	4354301.902909425	3336.732496766115	3155.47183239181	3122.01188900644	3127.14000540816	33.46129413963676	28.33171701961475
370	148	10160	-120801.1413	889417.3170250766	39.1618103111084	-101.226221	308080.6129124234	4354297.306298525	3334.731916651329	3152.606261390634	3119.015228303753	3123.783694048634	33.59103309	28.822657849577182
371	148	10161	-120141.1413	889417.3170250766	39.16181853300457	-101.22388								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BRIElevBothKrg.ft	BRIElevBothKrg.ft	SanthElevBothKrg.ft	SanthBothKrg.ft
463	148	109243	-62621.14133	889417.3170250766	39.317339460796904	-101.0326906	324767.7312485503	4333963.01100393	3200.9067528622545	1968.1361493755587	2946.51108644005	2946.599797536683	51.62506291749378	51.53635182087555
464	148	109244	-63561.14133	889417.3170250766	39.31734389762630	-101.0303589	324988.400911059675	4333598.99400193	3198.3014374380418	1947.6162972633154	2947.7230419134043	49.70930600011479	49.60256135038753	47.00459133683505
465	148	109245	-64701.14133	889417.3170250766	39.31734832788781	-101.0288672	3251.64917305	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
466	148	109246	-64041.14133	889417.3170250766	39.31735270578183	-101.0265055	3253.707325163	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
467	148	109247	-63381.14133	889417.3170250766	39.31735706814649	-101.0233638	3255.7152716052	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
468	148	109248	-62721.14133	889417.3170250766	39.317363137	-101.0210321	3257.725585125167	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
469	148	109249	-62601.14133	889417.3170250766	39.317365288531	-101.0187004	3259.73596506644	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
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472	148	109252	-60081.14133	889417.3170250766	39.317378132037085	-101.0117753	3265.76705897365	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
473	148	109253	-59421.14133	889417.3170250766	39.3173820964057	-101.0093738	3267.77742005505	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
474	148	109254	-58761.14133	889417.3170250766	39.31738624220363	-101.0070419	3269.778826245	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
475	148	109255	-58101.14133	889417.3170250766	39.3173902297289	-101.0047102	3271.7918144	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
476	148	109256	-57441.14133	889417.3170250766	39.31739417220975	-101.0023784	3273.80157919697	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
477	148	109257	-56781.14133	889417.3170250766	39.31739806952534	-101.0000467	3275.8188534738	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
478	148	109258	-56121.14133	889417.3170250766	39.31740192054685	-100.997715	3277.8213210939	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
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481	148	109261	-54141.14133	889417.3170250766	39.31741320902006	-100.9907199	3283.86271593519	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
482	148	109262	-53481.14133	889417.3170250766	39.3174168213614	-100.9883882	3285.87617252519	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
483	148	109263	-52821.14133	889417.3170250766	39.31742050846233	-100.9860658	3287.8926414987	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
484	148	109264	-52161.14133	889417.3170250766	39.31742405062301	-100.9837428	3289.9137237955	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
485	148	109265	-51501.14133	889417.3170250766	39.31742761197914	-100.9814208	3291.9263896915	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
486	148	109266	-50841.14133	889417.3170250766	39.3174311193249	-100.9790613	3293.94118678026	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
487	148	109267	-50181.14133	889417.3170250766	39.317435666325	-100.9767296	3295.962323168705	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
488	148	109268	-49521.14133	889417.3170250766	39.31743939862684	-100.9743979	3297.983668440034	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
489	148	109269	-48861.14133	889417.3170250766	39.31744312582181	-100.9720662	3299.9943006	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
490	148	109270	-48201.14133	889417.3170250766	39.31744683719041	-100.9697345	3301.954131718814	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
491	148	109271	-47561.14133	889417.3170250766	39.3174504616961	-100.9674028	3303.965867674	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
492	148	109272	-46901.14133	889417.3170250766	39.31745411063713	-100.9650771	3305.97762885295	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
493	148	109273	-46241.14133	889417.3170250766	39.317457833254905	-100.9627393	3307.98943764291	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
494	148	109274	-45581.14133	889417.3170250766	39.317461553012294	-100.9604076	3309.99936698956	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
495	148	109275	-44901.14133	889417.3170250766	39.31746525127933	-100.9580759	3311.99200491	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
496	148	109276	-44241.14133	889417.3170250766	39.3174689611916	-100.9557442	3314.01354898925	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
497	148	109277	-43581.14133	889417.3170250766	39.31747265016377	-100.9534125	3316.02638786459	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
498	148	109278	-42921.14133	889417.3170250766	39.31747631167914	-100.9510848	3318.03924512443	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
499	148	109279	-42261.14133	889417.3170250766	39.317479971	-100.948791	3320.0520437979	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
500	148	109280	-41601.14133	889417.3170250766	39.31748372970883	-100.9464174	3322.05658900075	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
501	148	109281	-40941.14133	889417.3170250766	39.3174875096183564	-100.9440856	3324.0691553281	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
502	148	109282	-40281.14133	889417.3170250766	39.31749086761916	-100.9417539	3326.0773163204	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
503	148	109283	-39621.14133	889417.3170250766	39.31749383901936	-100.9394222	3328.08875510151	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
504	148	109284	-38961.14133	889417.3170250766	39.31749675366655	-100.9370093	3330.09878594054	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
505	148	109285	-38301.14133	889417.3170250766	39.31749961167914	-100.9346828	3332.109783915	4333945.970044008	3198.7304268954485	1948.2550137206414	2948.52272008961	47.6162163208961	47.00459133683505	47.00459133683505
506	148	109286	-37641.14133	889417.3170250766	39.317502519525236	-100.9323471	3334.118475734632	43339						

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SurfBothKgr.f	SatBothKgr.f
588	148	109369	17178.8586730335	889417.3170250766	39.317549567354625	-100.3738894	50690.8626240705	4335457.921730447	29969.17069389868	2785.2722389582502	2780.56731441183174	2796.0892371278774	54.75070496688439
590	148	109370	17178.8586730335	889417.3170250766	39.31754837522298	-100.3736927	50529.87806501932	4335453.925034434	2967.1554257398326	2784.16166531450737	2796.1204591560737	54.045304734712036	32.66113134258976
591	148	109371	17178.8586730335	889417.3170250766	39.3175471636354	-100.3734299	50649.898511903	4335449.938989191	2928.2465186211386	2785.176871762205	2796.362812967314	51.08878984821583	25.68971670389735
592	148	109372	17178.8586730335	889417.3170250766	39.3175455853995	-100.3731892	50649.9159726514	4335432.92572386	2962.13332991244	2824.69832859231	2775.656724570216	54.0160395429062	33.1331202765221
593	148	109373	17178.8586730335	889417.3170250766	39.31754453	-100.2795675	50590.934896259	4335441.936717325	2956.4596874	2821.1568453847613	2773.9739017834477	47.1829430313158	35.42816036305625
594	148	109374	17178.8586730335	889417.3170250766	39.317543156289155	-100.2727358	51101.10505545434	4335437.104170737	2956.7805017242155	2817.6345379732257	2772.3698758022883	73.90290323486574	26.64420176075287
595	148	109375	17178.8586730335	889417.3170250766	39.31754173895449	-100.2749041	351302.9680801814	4335433.94543607	2954.829815613884	2814.1499257556006	2770.755548257718	73.90290323486574	18.05091785611787
596	148	109376	17178.8586730335	889417.3170250766	39.317540276579265	-100.2725723	351503.98513466214	4335429.95051922	2953.60476862998	2810.707941	2769.5231349281007	73.90290323486574	13.547410541146746
597	148	109377	17178.8586730335	889417.3170250766	39.317538769163834	-100.270406	3545.222401083617	4335425.954899959	2953.67976989697	2807.317678693541	2769.5231349281007	73.90290323486574	23.68971670389735
598	148	109378	17178.8586730335	889417.3170250766	39.31753721670731	-100.271209	35106.0184196495	4335421.959658775	2953.67976989697	2807.317678693541	2769.5231349281007	73.90290323486574	15.45072576731456
599	148	109379	17178.8586730335	889417.3170250766	39.31753619210545	-100.2715772	352107.0354792343	4335417.95	2949.07308920606	2800.7545400788883	2764.592157789987	36.420072889814	0.42259510031325
600	148	109380	17178.8586730335	889417.3170250766	39.3175339766739	-100.2713245	352308.051973229	4335413.17042521	2946.134844259622	2797.596621834914	2762.587271909073	35.0889982583705	74.93601404356997
601	148	109381	17178.8586730335	889417.3170250766	39.3175322890951	-100.27109137	352509.068324361	4335409.97594959	2946.134844259622	2794.534371144125	2760.5832048218166	35.0889982583705	74.93601404356997
602	148	109382	17178.8586730335	889417.3170250766	39.3175305654772	-100.2708582	352710.045324781	4335405.98175495	2946.134844259622	2791.576137831205	2758.3128677761824	35.0889982583705	74.93601404356997
603	148	109383	17178.8586730335	889417.3170250766	39.317528778818458	-100.2706253	352911.1069795296	4335401.367705018	2938.058017778132	2788.727314	2753.817679855043	35.0889982583705	74.93601404356997
604	148	109384	17178.8586730335	889417.3170250766	39.31752695611918	-100.2703186	35312.116520971	433397.935945623	2938.61988400077	2785.360255463675	2753.580776141438	32.40751590702304	20.8007851071732
605	148	109385	17178.8586730335	889417.3170250766	39.317525083769	-100.2701869	353313.132071747	433390.00176598	2938.1726422241	2783.359887	2751.17821369545	32.40751590702304	20.8007851071732
606	148	109386	17178.8586730335	889417.3170250766	39.317523175599106	-100.6992552	353514.1470442986	433390.00669396	2935.7253664444	2780.832708507754	2749.0245963586617	32.40751590702304	20.8007851071732
607	148	109387	17178.8586730335	889417.3170250766	39.31752127177736	-100.6992324	353715.163437291	433386.013	2935.7253664444	2780.832708507754	2749.0245963586617	32.40751590702304	20.8007851071732
608	148	109388	17178.8586730335	889417.3170250766	39.31751921491718	-100.6949517	353916.178925074	433382.0203116685	2934.069520273813	2776.09467100655	2745.10202463421	35.0889982583705	74.93601404356997
609	148	109389	17178.8586730335	889417.3170250766	39.31751717	-100.69226	354117.194062891	433382.027404045	2934.069520273813	2776.09467100655	2745.10202463421	35.0889982583705	74.93601404356997
610	148	109390	17178.8586730335	889417.3170250766	39.31751507407322	-100.689923	354318.1908783847	4333774.05	2935.49254264811	2771.69514	2740.0634340675	35.0889982583705	74.93601404356997
611	148	109391	17178.8586730335	889417.3170250766	39.3175129103919	-100.687248	354522.154210681	4333724.1592772	2934.069520273813	2771.69514	2740.0634340675	35.0889982583705	74.93601404356997
612	148	109392	17178.8586730335	889417.3170250766	39.31751075306742	-100.685249	354720.328010629	433366.04987371	2929.321245136521	2767.568195449577	2737.555097070306	35.0889982583705	74.93601404356997
613	148	109393	17178.8586730335	889417.3170250766	39.3175085200381	-100.6829331	354921.2534511464	433362.057627437	2924.971665330477	2765.6273311017053	2735.816598596055	35.0889982583705	74.93601404356997
614	148	109394	17178.8586730335	889417.3170250766	39.31750625189975	-100.6806014	35512.2679601953	433338.06570263	2916.919007675013	2763.726289744022	2734.2719926370024	35.0889982583705	74.93601404356997
615	148	109395	17178.8586730335	889417.3170250766	39.3175038375525	-100.6782697	355323.2823028436	433338.06570263	2916.919007675013	2763.726289744022	2734.2719926370024	35.0889982583705	74.93601404356997
616	148	109396	17178.8586730335	889417.3170250766	39.31750157057023	-100.675938	355524.2965597466	433338.06570263	2916.919007675013	2763.726289744022	2734.2719926370024	35.0889982583705	74.93601404356997
617	148	109397	17178.8586730335	889417.3170250766	39.31749916234445	-100.673249	355725.3169481031	433338.06570263	2916.919007675013	2763.726289744022	2734.2719926370024	35.0889982583705	74.93601404356997
618	148	109398	17178.8586730335	889417.3170250766	39.317497172459	-100.671724	355926.425699484	433338.06570263	2916.919007675013	2763.726289744022	2734.2719926370024	35.0889982583705	74.93601404356997
619	148	109399	17178.8586730335	889417.3170250766	39.31749421	-100.6698428	356127.3384101735	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
620	148	109400	17178.8586730335	889417.3170250766	39.3174916742599	-100.6666111	356328.350816713	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
621	148	109401	17178.8586730335	889417.3170250766	39.31748907903815	-100.6642794	356529.3656142004	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
622	148	109402	17178.8586730335	889417.3170250766	39.3174864516123	-100.6619477	356735.37007955	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
623	148	109403	17178.8586730335	889417.3170250766	39.31748377614325	-100.659916	356931.392324415	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
624	148	109404	17178.8586730335	889417.3170250766	39.31748103848978	-100.6572843	357132.405210491	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
625	148	109405	17178.8586730335	889417.3170250766	39.31747872508092	-100.6545285	357334.183586343	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
626	148	109406	17178.8586730335	889417.3170250766	39.317476541496784	-100.6526208	357534.341199349	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
627	148	109407	17178.8586730335	889417.3170250766	39.31747260286718	-100.6502891	357735.4430231406	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
628	148	109408	17178.8586730335	889417.3170250766	39.3174696991977	-100.6479574	357936.456673453	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
629	148	109409	17178.8586730335	889417.3170250766	39.31746750413815	-100.6456257	358137.468985918	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
630	148	109410	17178.8586730335	889417.3170250766	39.317465376714574	-100.643294	358338.4812966478	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
631	148	109411	17178.8586730335	889417.3170250766	39.3174631257512	-100.6406423	358539.5045051513	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
632	148	109412	17178.8586730335	889417.3170250766	39.31746093131263	-100.638305	358734.5615940513	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
633	148	109413	17178.8586730335	889417.3170250766	39.317458505239864	-100.6362898	358931.5173387987	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
634	148	109414	17178.8586730335	889417.3170250766	39.3174563132763	-100.6339671	359142.529032644	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
635	148	109415	17178.8586730335	889417.3170250766	39.317448113275025	-100.6316354	359343.5407	4333338.109	2917.556841	2764.36248394441	2724.507896311411	35.0889982583705	74.93601404356997
636	148	109416	17178.8586730335	889417.3170250766	39.3174458438206	-100.6293037	359544.55216407886	4333338.109	291				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThgLog.f	SatThgBoth.f
715	148	109495	100298.85667307335	889417.3170250766	39.317044666115976	-100.4450993	375424.04661450296	4329595.856794192	2702.400846414927	2527.063460125743	2549.4641648216075	2550.463565440036	757995930411682	76.5999486868847
716	148	109496	100558.85667307335	889417.3170250766	39.31703779891394	-100.4427616	375625.0747844274	4329581.84	2639.28260767429	2585.88969705186	2550.774240188843	2551.41132064835	74.5324446162528	74.7276480519631
717	148	109497	101618.85667307335	889417.3170250766	39.31703029941424	-100.445459	375649.0491231657	4329584.0851747	2684.164370126903	2584.13702029445	2552.715541310975	2553.781843191975	74.8367462222804	74.9870486196503
718	148	109498	102078.85667307335	889417.3170250766	39.3170230941424	-100.4442762	376027.05014876754	4329583.93652395	2675.064130925815	2622.94920989693	2552.386249023515	2552.61411772501	74.7534411738774	74.70335303546811
719	148	109499	102938.85667307335	889417.3170250766	39.317016927102305	-100.4357725	376228.0510554475	4329593.967572747	2668.9607459578184	2621.588449041305	2553.45517110319	2553.50778571407	74.83327794	76.0806632889798
720	148	109500	103598.85667307335	889417.3170250766	39.317009879750984	-100.4334409	376429.0516834978	4329595.955722651	2640.234333639	2555.913217002696	2555.897991772156	2555.897991772156	74.6336323369934	74.6336323369934
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722	148	109502	104918.85667307335	889417.3170250766	39.31699594929696	-100.4287775	376831.05360427466	4329592.052620761	2659.80313	2617.5526702138995	2563.8713210357187	2564.159314858697	74.53813491781808	74.53813491781808
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18	149	109538	-359721.1413	890077.3170250766	39.31268777459966	-102.070266	375289.3281221226	4329						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKft	BR/ElevBmft	SatHtLogs.ft	SatHtBmft
101	149	109621	-304941.1413	890077.3170250766	39.314570058098935	-101.8767533	51982.8946557449	4355632.3997132825	3790.157061198223	35.171450808652285	3520.885068704147	3526.1552898614214	80.86001215208125	85.58970909480712
102	149	109622	-304281.1413	890077.3170250766	39.314590844801976	-101.8744229	52124.00473113313	4355628.3090199176	3785.107960785235	3609.8019890530595	3519.7901446392125	3525.9945189140525	80.70174073391261	83.80717013991261
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105	149	109625	-302301.1413	890077.3170250766	39.3146529348248	-101.8674274	525787.34528744584	4355616.038107068	3760.4789119330467	3604.038510207587	3514.5021099657524	3512.552799613967	80.53640024	82.88323042566504
106	149	109626	-301641.1413	890077.3170250766	39.314673541643906	-101.8650596	525988.45733330125	4355581.948197144	3762.6709734713474	3602.123591948111	3512.609124686213	3519.533489686226	80.51446726189806	82.59012296148836
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128	149	109648	-287121.1413	890077.3170250766	39.31511548484387	-101.8139301	527314.8606700333	4355522.01943214	3766.03637302577	3559.06432734577	3453.13300800699	3485.091436029337	80.930452204737	73.01768
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130	149	109650	-285801.1413	890077.3170250766	39.31515450910568	-101.8091401	527821.9707365406	4355510.849549335	3760.918250729987	3555.143720791125	3447.3910972405348	3486.728593105242	81.735871404334	88.4167570554819
131	149	109651	-285141.1413	890077.3170250766	39.31517047243626	-101.806808	528016.1767468976	4355509.76349359	3756.819608387313	3553.190296704458	3429.7143229014444	3456.659613530927	82.3758653034042	96.3304317389221
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133	149	109653	-283821.1413	890077.3170250766	39.3152128899597	-101.8021456	528418.3906527127	4355501.593695816	3749.14096875834	3549.3011253169216	3441.352515605312	3426.964567292821	83.949896261043	122.34646802410043
134	149	109654	-283161.1413	890077.3170250766	39.31523224472511	-101.7998141	528619.49932235652	4355497.50943225	3745.249175671934	3547.368394665244	3408.9335840603208	3440.9335840603208	81.34849114062036	136.4754549047904
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136	149	109656	-281841.1413	890077.3170250766	39.31527081081818	-101.795116	529021.708759168	4355489.1758	3738.8312100510135	3543.33430867056	3397.93116421325	3401.722052104135	81.61203565617	161.81203565617
137	149	109657	-281181.1413	890077.3170250766	39.315290011709436	-101.7928195	529222.8160420087	4355485.267241215	3732.514302303927	3541.636567906513	3392.374404206405	3389.714387701495	81.9812374854103	172.42218024015984
138	149	109658	-280521.1413	890077.3170250766	39.31530917730299	-101.790488	529423.9149642458	4355481.174	3728.191585	3539.75370981831	3386.7974097972137	3375.592707526715	82.1595632118461708	190.10213429193
139	149	109659	-279861.1413	890077.3170250766	39.31532828786263	-101.7881565	529625.0190548292	4355477.09004359	3725.960724056433	3537.885820426547	3380.41207313215	3375.60171855625	82.373832953194	190.2864925709223
140	149	109660	-279201.1413	890077.3170250766	39.31534737338819	-101.785825	529826.1220557276	4355470.00673747	3725.061150508662	3536.033649993177	3373.891407	3373.891407	82.373832953194	201.5396112869092
141	149	109661	-278541.1413	890077.3170250766	39.315366403879736	-101.7834935	529902.2268187717	4355467.90943225	3724.14520758662	3534.1989641101936	3369.300659693437	3330.42323395369	81.68938071458465	213.3757301565547
142	149	109662	-277881.1413	890077.3170250766	39.3153853933751	-101.7811619	530028.2296948494	4355464.54070036	3723.769210087506	3532.38346461936	3373.040407191455	3348.4027036759	82.50286397475	184.341294086637
143	149	109663	-277221.1413	890077.3170250766	39.31540430619134	-101.778891	530145.464538426	4355460.758	3722.85417818264	3530.56117185224	3369.48218453987	3346.48218453987	82.50286397475	190.2864925709223
144	149	109664	-276561.1413	890077.3170250766	39.31542352149654	-101.776489	530260.33593621636	4355461.619586205	3721.86191590563	3528.813710288548	3367.3005377914			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevWgr.f	SatFthKgr.f	SatFthWgr.f
227	149	10747	-22781.1413	890077.3170250766	39.16883454999061	-01.58292784	277321.2172408337	43551.85100777346	3589.8586546	3427.0731012699575	3337.2188661610717	3340.626947	89.54523510888586	86.46615421389744
228	149	10748	-22121.1413	890077.3170250766	39.16849662390126	-01.58064848	277522.3554843847	43551.14.435353648	3588.3387211508517	3426.263429014423	3335.99042146940926	3338.19473402402085	90.24020351	87.04150849387874
229	149	10749	-22061.1413	890077.3170250766	39.16854118115755	-01.5783152	277723.439072439	43550.85.977264083	3588.62086835912	3425.402174142861	3334.5058711400964	3337.521655192813	90.89140274279134	87.081685529444
230	149	10750	-21980.1413	890077.3170250766	39.16879570207636	-01.5759835	278024.523106766	43551.06.305336348	3585.3025511190871	3424.353786164549	3332.520480490708	3335.505296859170	92.03510654840978	89.05808175484754
231	149	10751	-21914.1413	890077.3170250766	39.1689442936704	-01.5736519	278125.065395752	43551.02.237927019	3583.492182758005	3423.7233024640877	3330.3893686538654	3332.561719336067	92.3333031022233	92.6815052808106
232	149	10752	-21848.1413	890077.3170250766	39.169095161872	-01.5713203	278326.68826177204	43550.98.172504757	3582.876067442855	3422.876067442855	3328.619358889897	3328.6445091192613	94.6366705336522	93.24155832359362
233	149	10753	-21782.1413	890077.3170250766	39.1692455	-01.5689887	278527.77009092454	43550.94.107230976	3579.28330356015	3422.024045129077	3325.282045524483	3325.89731190572	96.17419890948005	96.143880
234	149	10754	-21716.1413	890077.3170250766	39.16939391010976	-01.566657	278728.853383772	43550.90.024150751	3577.178949	3421.165998979161	3322.292564909594	3322.958731758889	98.76373417010147	96.12680020027173
235	149	10755	-21650.1413	890077.3170250766	39.16954118115755	-01.5643524	278929.638549473	43550.85.977264083	3574.82164851687	3420.292712169837	3319.4228894891496	3320.2611055041793	101.87881171992267	96.0386966568778
236	149	10756	-21584.1413	890077.3170250766	39.16969402524504	-01.5619638	279131.0175424316	43550.81.52760961	3571.01205824577	3419.422497455386	3318.92221166824325	3318.72298058362787	102.501303200212	96.07026887909993
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238	149	10758	-21452.1413	890077.3170250766	39.1699830935032	-01.5573036	279533.180675848	43550.73.78352636	3564.192477023415	3417.630064376714	3314.45059124217225	3316.97421050531	103.1794721595148	100.65534398144282
239	149	10759	-21386.1413	890077.3170250766	39.170129632422	-01.5549898	279734.2621608376	43550.69.719652795	3562.739881078919	3416.70832373285	3314.591745937074	3314.655334588822	102.1165889362112	99.0537994142025
240	149	10760	-21320.1413	890077.3170250766	39.1702748296945	-01.5526673	279935.3433941151	43550.65.65373965	3563.24443843844	3415.76332312301	3315.243055792624	3319.0262304111557	100.5322765993368	96.7401190114541
241	149	10761	-21254.1413	890077.3170250766	39.1704202521438	-01.5503357	280136.4242595455	43550.61.5920820815	3561.349004989803	3414.801320628238	3316.163294551215	3320.8309012330403	98.63266277702307	96.973123958915796
242	149	10762	-21188.1413	890077.3170250766	39.1705650709455	-01.548004	280337.5048357383	43550.57.584672973	3564.253580273777	3413.8104823107383	3317.723310449675	3322.784907704118	98.08716690106327	91.0255145032994
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244	149	10764	-21056.1413	890077.3170250766	39.1708533574294	-01.5433408	280739.656660221	43550.49.41992748	3561.762835474185	3411.739978931006	3319.340097785613	3325.321482178994	99.20179158277994	86.41665017031929
245	149	10765	-20990.1413	890077.3170250766	39.170996821823	-01.5410091	280940.7548608091	43550.45.33091185	3559.9332343029076	3410.6548224319117	3320.742733880714	3326.687253952944	90.4475803384037	83.9685650361729
246	149	10766	-20924.1413	890077.3170250766	39.1711398424960	-01.5386775	281141.8256319255	43550.41.276281116	3558.104108356274	3409.534857489045	3320.3480013125386	3327.8187574784635	89.1868616836592	81.716082
247	149	10767	-20858.1413	890077.3170250766	39.1712820494236	-01.5363459	281349.5402012857	43550.37.213716808	3555.390140272679	3408.377826929135	3319.21737235177	3321.10404087924	89.061039512549	81.2674183545072
248	149	10768	-20792.1413	890077.3170250766	39.1714205252438	-01.5340142	281543.9646351796	43550.33.15134558	3551.81213387	3407.1807774120402	3320.119950249426	3334.1473946623	90.06706536	73.0370373850714
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250	149	10770	-20660.1413	890077.3170250766	39.1717074079767	-01.529351	281946.1427773781	43550.25.027183395	3544.5930572158069	3404.649554774639	3321.39612389759	3317.7448790426565	93.8253433847993	72.4766687
251	149	10771	-20594.1413	890077.3170250766	39.1718481734111	-01.5270193	282147.22156209704	43550.20.965	3543.789780886767	3403.34922456429	3321.608779619992	3330.997258459129	94.681242064391	72.307666578893
252	149	10772	-20528.1413	890077.3170250766	39.1719884845697	-01.5246877	282348.300601673	43550.16.904	3543.3565891414	3401.304952149211	3321.704766920104	3330.057617126123	90.19547546	71.84728091308807
253	149	10773	-20462.1413	890077.3170250766	39.1721283531258	-01.5223561	282549.387937977	43550.12.842819189	3537.065028018552	3400.480227586005	3321.563670113042	3326.5830251037	78.94635174555843	71.4636655
254	149	10774	-20396.1413	890077.3170250766	39.172267413598	-01.5200244	282750.454681883	43550.08.17180819	3530.77239693995	3398.92045411208	3321.1922351033727	3326.179802077866	77.73981030763334	70.7604538
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256	149	10776	-20264.1413	890077.3170250766	39.17254944494	-01.5153611	283152.6105439246	43550.00.65399686	3527.3272843377	3383.7716510106736	3320.011427735444	3326.01272475444	96.75201734501368	71.5753774
257	149	10777	-20198.1413	890077.3170250766	39.17268330812226	-01.51310295	283353.6895179944	435499.58.7093036	3525.33233093815	3394.015298909975	3319.226030262654	3326.04217803578	74.78925356473214	69.60808118741043
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261	149	10781	-19934.1413	890077.3170250766	39.173320310570844	-01.5037209	284157.8972415379	435498.38.121524	3498.445240247884	3385.57960590992	3313.9903110742193	3317.2530735983818	89.5854898562824	69.3228846458395
262	149	10782	-19868.1413	890077.3170250766	39.173469292167	-01.5013713	284359.07304245	435498.32.168167345	3496.7294577379	3498.701151459477	3384.560234248456	3321.90257350419087	91.767178330935	71.6989172
263	149	10783	-19802.1413	890077.3170250766	39.1735922	-01.4990398	284560.148263028	435497.27.2388774	3494.61499984515	3382.485488890145	3380.78975	3320.9870272942	72.60951364	70.0808882
264	149	10784	-19736.1413	890077.3170250766	39.17376371397915	-01.496708	284761.2258012324	435496.81.7910904	3492.593275424934	3380.50352638135	3370.1201352175035	3309.5224320664724	73.23236831	70.6300714603608
265	149	10785	-19670.1413	890077.3170250766	39.1739177159994514	-01.4943763	284962.3016356475	435496.4.120627367	3490.76825901471	3378.1653811051488	3304.434159920304	3306.476150125635	73.73196511311835	71.68922209825826
266	149	10786	-19604.1413	890077.3170250766	39.1739056097195	-01.4920447	285163.371141233	435496.01.67137149	3488.944126	3375.9296373229513	3301.664217	3307.037732861794	74.26254026	72.85230073621187
267	149	10787	-19538.1413	890077.3170250766	39.1740391691145	-01.489713	285364.35455311374	435495.00.0340244	3486.65203262836	3373.65203858482	3299.160131007283	3299.451286246772	74.4923258119865	74.2012153410994
268	149	10788	-19472.1413	890077.3170250766	39.174172781301	-01.4873814	285567.5275807405	435495.134463648	3485.1953817464732	3371.3442581612476	3294.972420606505	3295.53472582567	76.1710309466708	75.6100362399184
269	149	10789	-19406.1413	890077.3170250766	39.1743190463949	-01.4850147	285769.49289871862	435494.97.028683	3484.192891674314	3384.560234248456	3320.683232121066	3326.8473945876242	91.767178330935	71.6989172
270	149	10790	-19340.1413	890077.3170250766	39.1744371450207	-01.4827181	285967.6727072555	435494.82810395	3481.4089358563	3366.695113418355	3368.331228370625	3297.019071936005	80.3639037	76.0705045475452
271	149	10791	-19274.1413	890077.3170250766	39.1745689028956	-01.480364	286168.7516974833	435493.977	3478.016959162188	3364.398930506532	3362.19270173			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BR/ElevLogsKgf.	BR/ElevWetKgf.	SatThkLogsKgf.	SatThkWetKgf.
353	149	109873	-138621.1413	890077.3172025076	39.183834028202235	-101.2891881	302656.1626848606	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
354	149	109874	-137961.1413	890077.3172025076	39.183834075753325	-101.2868564	302657.2202666954	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
355	149	109875	-137201.1413	890077.3172025076	39.18402369754636	-101.2846247	302658.2789915585	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
356	149	109876	-136641.1413	890077.3172025076	39.184122157357374	-101.2821829	302659.3255943824	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
357	149	109877	-135981.1413	890077.3172025076	39.1842157186174	-101.2798612	302660.3926610378	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
358	149	109878	-135321.1413	890077.3172025076	39.1843077558646	-101.2775295	302661.4560363306	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
359	149	109879	-134661.1413	890077.3172025076	39.184399879102224	-101.2751978	302662.5065283532	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
360	149	109880	-134001.1413	890077.3172025076	39.1844915522186	-101.2728661	302663.5629190518	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
361	149	109881	-133341.1413	890077.3172025076	39.18458275746386	-101.2705343	302664.6181869917	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
362	149	109882	-132681.1413	890077.3172025076	39.1846735472531	-101.2682028	302665.6753655723	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
363	149	109883	-132021.1413	890077.3172025076	39.1847638691706	-101.2658708	302666.7313645527	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
364	149	109884	-131361.1413	890077.3172025076	39.1848537406881	-101.2635392	302667.781378373	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
365	149	109885	-130701.1413	890077.3172025076	39.1849431618054	-101.2612075	302668.84273595674	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
366	149	109886	-130041.1413	890077.3172025076	39.1850321325222	-101.2588757	302669.89814907603	4354607.677451901	3356.785585966606	332.7671015533476	332.7671015533476	332.7671015533476	332.7671015533476
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400	149	109920	-107601.										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtLogs.f	SatHtBoth.f
479	149	109999	-55461.14133	890077.3172050766	39.19121847589936	-100.9953882	327987.97880576084	4354099911	316.655526433979	296.0911728770716	2996.4632325987363	2997.2946025532838	36.728784918335308	28.79657032378792
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482	149	10002	-53491.14133	890077.3172050766	39.1912962802831	-100.9883299	328614.08286236944	4354087.585945825	316.4041973891595	2963.30233095947	2994.3448810146215	2996.877716	37.198621292973236	36.66578623146834
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486	149	10006	-50841.14133	890077.3172050766	39.19124366953464	-100.9790658	329395.15946986995	4354071.791099768	316.00173293931564	2960.1132938902785	2993.128011629347	2993.9673665811147	42.00718635735075	42.1684143931681
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488	149	10008	-49521.14133	890077.3172050766	39.19125072	-100.9744023	329797.287	4354063.75091674	316.152366678207	2958.4253004682923	2993.89092539751	2997.1831489223951	41.5343753047117	41.2421505436923
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518	149	10038	-29721.14133	890077.3172050766	39.19133184422209	-100.9044491	335828.2193	4353943.36312808	308.0764373659713	2947.3411707566265	2990.204569234136	2990.3467480656484	41.3660152	42.9739620908717
519	149	10039	-29061.14133	890077.3172050766	39.19133384024019	-100.9021173	336029.24789642176	4353939.352897078	308.1847096489166	2946.156721919664	2989.8720991888626	2990.003646232437	42.8426631281283	45.16312779672013
520	149	10040	-28401.14133	890077.3172050766	39.19133580939642	-100.8997865	336230.2763007596	4353935.32466534	308.15446964896	2944.860026054494	2989.64540498844	2989.78200066791	43.34061614	49.1962056369675
521	149	10041	-27741.14133	890077.3172050766	39.191337961161104	-100.8974618	336432.1037533894	4353931.68470265	308.183924870168	2944.860026054494	2989.64540498844	2989.78200066791	43.34061614	49.1962056369675
522	149	10042	-27081.14133	890077.3172050766	39.19133957899401	-100.895122	336632.3326313484	4353925.3234905	308.163957916446	2944.625334861138	2988.601911336973	2988.67432483095	43.02343914521737	43.95051903
523	149	10043	-26421.14133	890077.3172050766	39.191									

ix	iy	ic	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
605	149	11025	27698.8586730335	890077.3170250766	-00.391933783790523	-00.7015844	353317.1290033487	4335395.187959683	2933.962867816127	2782.0374448378273	2751.2284489129493	2761.9831671622082	80.01529514287805	20.06057136719095
606	149	11026	26335.8586730335	890077.3170250766	-00.39133593	-00.6995257	353518.1444428919	4335391.194	2931.633421444518	2779.58162628015	2749.003079	2757.28162076478	80.34505872344487	22.2663453125096
607	149	11027	26181.8586730335	890077.3170250766	-00.3919333867205544	-00.6969209	353719.15974067745	4335387.24462887	2930.139942198144	2757.16274176941844	2753.254769841944	2749.34342329744308	25.8073259173453	25.8073259173453
608	149	11028	26075.8586730335	890077.3170250766	-00.39139196423304	-00.6945891	353720.1748966045	4335383.207404454	2930.066697311	2747.8758572116033	2748.89315426884	2748.240347190239	29.67935116891496	25.6935019604504
609	149	11029	30338.8586730335	890077.3170250766	-00.39139229333931	-00.6922573	354121.1899117253	4335379.214355192	2929.76696600347	2752.676433756685	2742.96515865299	2748.888110264333	29.7128190035894	23.78831323235181
610	149	11030	30998.8586730335	890077.3170250766	-00.39139227334374	-00.6899256	354322.2178344764	4335375.212439631	2929.53099696041	2770.5561546948156	2741.232725486302	2747.708578647838	29.2342820851333	22.84736173337377
611	149	11031	31658.8586730335	890077.3170250766	-00.391325685306566	-00.6875938	354523.2195179079	4335371.228828028	2923.5434963227	2768.507432379894	2739.650579401816	2745.475487934128	28.28656094371728	23.03865305183486
612	149	11032	32134.8586730335	890077.3170250766	-00.3913250222778	-00.685262	354724.2310406605	4335367.236	2925.263494392226	2766.52364624962	2738.246962102146	2742.734968762549	28.7601939347474	23.78895804212867
613	149	11033	32978.8586730335	890077.3170250766	-00.3913271471075	-00.6825302	354925.2465983627	4335363.24462887	2918.199942198144	2764.92704777112	2736.810582354367	2740.3223279041983	27.76888722275834	24.67832572915864
614	149	11034	33629.8586730335	890077.3170250766	-00.39131904094531	-00.6805985	355126.262872009	4335359.252	2915.07342900527	2762.75936015567	2732.348523071282	2737.166237501737	27.38050514274644	25.563252401564
615	149	11035	34298.8586730335	890077.3170250766	-00.39131608874127	-00.6782667	355327.2707405713	4335355.260059699	2912.466611699154	2760.9035340517543	2733.820346272746	2734.792486322389	27.08628642508216	25.11684723065418
616	149	11036	34958.8586730335	890077.3170250766	-00.39139143194649	-00.6759349	355529.2910709482	4335351.26834316	2911.488054840949	2759.135639	2731.502280359082	2747.719792061847	27.62335829463813	27.359446591879532
617	149	11037	35638.8586730335	890077.3170250766	-00.39139111209674	-00.6736031	355729.3046615369	4335349.276818395	2910.4894898067745	2758.143632237656	2728.5907390311047	2736.6234590047366	28.8151087351817	27.359446591879532
618	149	11038	36278.8586730335	890077.3170250766	-00.391390945788129	-00.6712714	355930.391871254055	4335343.28543488	2909.4909412520396	2755.717843952605	2726.791464449396	2731.2762747869942	28.92637948766559	24.441569168080232
619	149	11039	36938.8586730335	890077.3170250766	-00.39139069591128	-00.6689396	356131.3322471434	4335339.294338804	2908.837229851816	2754.069958925262	2724.728778442187	2732.92236195011402	29.234178044253448	27.71507432157963
620	149	11040	37598.8586730335	890077.3170250766	-00.391390411609705	-00.6666078	356332.3457961966	4335335.30338416	2911.523638670741	2752.460870782947	2722.082322	2735.07163869341	29.3785491380472	17.38929121360584
621	149	11041	38258.8586730335	890077.3170250766	-00.3913901827645585	-00.664276	356533.3591301027	4335331.31262115	2913.291487882332	2750.888811307964	2717.788926333423	2737.734810423466	29.09884974821548	13.15440084497236
622	149	11042	38918.8586730335	890077.3170250766	-00.391392991451584	-00.6619433	356734.273242826	4335327.32074913	2914.910632	2749.345626648148	2720.905633212836	2739.7564767549384	28.752476646595	9.95292272092747
623	149	11043	39578.8586730335	890077.3170250766	-00.39129651561555	-00.6596125	356935.385380838	4335323.31665802	2916.352588349284	2749.83128662474	2720.471625878695	2739.426336327296	27.36743238397355	8.441729235
624	149	11044	40238.8586730335	890077.3170250766	-00.39129370207577	-00.6572807	357136.3862987903	4335319.241472651	2917.5453671742175	2746.3578601742651	2719.960477	2737.068717466457	27.36743238397355	9.28854252761546
625	149	11045	40988.8586730335	890077.3170250766	-00.39129102347531	-00.654949	357337.4110784473	4335315.251407611	2918.7318	2744.904297100817	2719.8432938618217	2732.989107595985	27.50619423026031	11.91518944428526
626	149	11046	41558.8586730335	890077.3170250766	-00.39128820917834	-00.6526172	357538.427201616	4335313.16165894	2919.930520136826	2743.47668732522	2718.570466326258	2737.8885137534453	25.0622113590525	14.59157418735913
627	149	11047	42128.8586730335	890077.3170250766	-00.3912852929117	-00.650363	357745.486424691	4335309.173221671	2918.24702400896	2742.931404163382	2717.93169003763	2737.457026912205	26.82111578671374	19.27352428352438
628	149	11048	42878.8586730335	890077.3170250766	-00.39128245	-00.647536	357940.458950755	4335303.38206756	2908.50058221173	2740.692077457187	2719.806959245784	2737.86009141737	27.08383241142852	18.832063004395
629	149	11049	43538.8586730335	890077.3170250766	-00.3912794852523	-00.6456219	358141.4608196866	4335309.39339917	2907.155217301232	2739.3321233585	2719.749348339417	2738.683400162384	28.0487518541398	20.48075718541398
630	149	11050	44198.8586730335	890077.3170250766	-00.3912765496962	-00.6432901	358342.4730115555	4335349.404314001	2894.80634639073	2737.995172546054	2719.471021247015	2716.25716122636	28.5145150759043	21.73006631962056
631	149	11051	44885.8586730335	890077.3170250766	-00.391273456827976	-00.6409583	358543.4846666155	4335349.415	2897.11779995424	2736.678253169048	2718.797336	2715.335731738794	18.80091752899053	23.94017243025541
632	149	11052	45518.8586730335	890077.3170250766	-00.39127038191781	-00.6386265	358744.4967801405	4335347.42584589	2891.2514818025316	2735.380414041924	2717.298304225045	2715.635652853335	18.08200201941936	19.74475876590272
633	149	11053	46178.8586730335	890077.3170250766	-00.3912672929117	-00.6363246	358945.5084946959	4335343.45824524	2887.24702400896	2734.931404163382	2717.482487208136	2714.8291502617683	19.59361658746334	19.27352428352438
634	149	11054	46838.8586730335	890077.3170250766	-00.3912642789	-00.633963	359148.5020123945	4335341.578221375	2891.41078941451	2734.072073800946	2717.336759760132	2713.0426291625498	22.1054511402187	19.7595177259498
635	149	11055	47498.8586730335	890077.3170250766	-00.391261805993825	-00.6316312	359347.53142183216	4335347.461197589	2889.532188283264	2731.5988071660777	2706.735477786203	2710.756435068796	27.58305397874722	20.36730659189074
636	149	11056	48158.8586730335	890077.3170250766	-00.3912575958207	-00.6292995	359548.5427	4335341.47400952	2885.668232278866	2730.36935810645	2702.781329609084	2708.763739881708	27.248626119661208	21.60201782427441
637	149	11057	48818.8586730335	890077.3170250766	-00.39125429	-00.6269677	359749.553322722	4335346.48291531	2883.34156816841	2729.150673329189	2699.60721794069	2707.665215167822	30.143001379193	21.48548064106297
638	149	11058	49478.8586730335	890077.3170250766	-00.39125103258528	-00.6246359	359950.564535952	4335346.499	2877.958901038956	2727.940247400064	2695.3793353287	2708.0729736177223	32.6262133796923	19.86773274858284
639	149	11059	50138.8586730335	890077.3170250766	-00.3912475333464	-00.6223402	360151.5705268307	4335349.511426314	2876.7675148726903	2726.735888785936	2691.759248672206	2705.94368537053	34.9962411365323	20.592404878284
640	149	11060	50798.8586730335	890077.3170250766	-00.39124408914256	-00.6199724	360358.584646959	4335345.524	2875.24702400896	2725.5731404163382	2691.06894074882	2704.8291502617683	35.4265437262288	24.62659178878734
641	149	11061	51458.8586730335	890077.3170250766	-00.3912405998601	-00.6176408	360553.5970137313	4335351.537221375	2874.7129460493106	2724.3747240251685	2684.32066717143	2703.79100891107	37.96375152357325	24.76936035491772
642	149	11062	52118.8586730335	890077.3170250766	-00.3912370655339	-00.6153088	360754.6074943114	4335347.55055415	2874.185661672633	2723.168032365554	2681.090452523104	2685.425597278546	40.27738711424594	37.7424350890105
643	149	11063	52778.8586730335	890077.3170250766	-00.391234386167526	-00.6129771	360955.6178223305	4335343.56339827	2872.26826630078	2721.961170532674	2678.6313270615847	2685.525969823868	42.3647899196275	36.7443122673834
644	149	11064	53438.8586730335	890077.3170250766	-00.391229861759645	-00.6106453	361156.628019531	4335343.57792266	2868.956444733358	2720.830271185957	2676.700716822245	2689.189789076092	44.12955423323461	37.464182109947683
645	149	11065	54098.8586730335	890077.3170250766	-00.3912261923103	-00.6083135	361357.3876091851	4335345.591	2865.64061601964	2719.66903398567	2674.8943528216205	2695.5252185474023	47.7448688488074	34.1168211207917
646	149	11066	54758.8586730335	890077.3170250766	-00.39122247781954	-00.6059818	361558.6480016683	4335341.805	2862.335678479458	2718.5167046410072	2674.120193172655	2707.53213399859	49.39057432434174	15.89544327148126
647	149	11067	55418.8586730335	890077.3170250766	-00.39121871828779	-00.6036964	361768.67452678	4335343.8394987	2860.48545636419	2717.42871487208136	2673.22285107198	2706.48987908	51.22285107198	15.89544327148126
648	149	11068	56078.8586730335	890077.3170250766	-00.3912149137117	-00.6013182	361960.76452678	433534						

ix	iy	icost1	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskg.f	BREIEvBothKrg.f	SurfThtsLog.f	SurThtBoth.f
732	149	110252	111858.85687307335	89007.31720250766	39.31874212061846	-100.4077826	378644.02441167145	4353003.489152259	2630.8437371582843	2605.19359	2525.242415750797	2524.982035424536	79.95176452150301	80.2115976472422
732	149	110252	111858.85687307335	89007.31720250766	39.3187425360038	-100.4054509	378845.025693845	4353009.514067081	2638.0171605234743	2603.9422120392444	2523.7008199446604	2523.6413135399834	80.2341796366699	80.2341796366699
733	149	110253	112178.85687307335	89007.31720250766	39.31872689644179	-100.4031191	378466.0236848979	4353005.549878725	2638.2005844925044	2602.90369	2522.026842723222	2522.30472	79.96761654267874	80.23858715625972
734	149	110254	112838.85687307335	89007.31720250766	39.31871922144273	-100.4007474	379247.02160868415	4353011.540670087	2630.1447400784045	2601.4474097133285	2521.3508795713636	79.96889415263341	80.0624811964046	80.0624811964046
735	149	110255	113498.85687307335	89007.31720250766	39.31871144803301	-100.3984557	379448.02442485966	4353077.61562893	2630.7131971639346	2600.202978747604	2520.5427953827766	2520.225141775313	79.96601836462739	79.97378697229079
736	149	110256	114188.85687307335	89007.31720250766	39.31870317012321	-100.3961239	379649.01916162606	4353018.254362018	2630.1881254731195	2598.9577328324984	2519.390316960073	2518.9251631222449	79.964715366342059	80.0041146
737	149	110257	114818.85687307335	89007.31720250766	39.318695916902804	-100.3937922	379850.0176519371	4353069.673904517	2629.606354184843	2597.712131692927	2518.067587414372	2518.060684899345	79.96436259	79.965036118575073
738	149	110258	115478.85687307335	89007.31720250766	39.3186880584106	-100.3914605	38005.01625573735	4353065.705359303	2628.1792896750	2596.46318341032	2515.814911401582	2515.767202501519	79.96436259	79.968731284
739	149	110259	116138.85687307335	89007.31720250766	39.318680155340715	-100.3891287	380252.0146273545	4353061.744948434	2628.37406742958	2595.2147386938987	2515.374091846586	2515.374091846586	79.9646672983378	79.9646672983378
740	149	110260	116798.85687307335	89007.31720250766	39.3186722059909	-100.38677	380463.0123867274	4353077.76857467	2630.38132955420	2593.94456259445	2507.93198672929	2508.69245241338	85.2747034300811	85.2747034300811
1	150	10261	1370941.1413	8907.31720250766	39.31407651454973	-102.095289	374184.43681411038	4356243.761831169	3497.8005758426143	3789.45854872576	3744.962245585808	3746.912932411545	44.963254167175364	42.5466145142134
2	150	10262	1370281.1413	8907.31720250766	39.314101832034844	-102.1075945	322075.5751979028	4356236.551392158	3946.206011913945	3788.106120134686	3740.7122316192967	3743.013140471164	47.9398850417183	45.02999971
3	150	10263	1369621.1413	8907.31720250766	39.3141207749053	-102.1052631	322276.7133159091	4356239.541148529	3944.324216390777	3786.754033	3743.18452698081	3744.516782460389	47.9398850417183	45.02999971
4	150	10264	1368961.1413	8907.31720250766	39.31415228	-102.1029317	324477.8511683634	4356231.431	3942.1551892710113	3785.402167941563	3744.8799948450313	3745.6799515049734	45.022169538433	39.7222114691827
5	150	10265	1368301.1413	8907.31720250766	39.3141743331358	-102.1006003	322678.98875538917	4356212.1247403	3938.986125151944	3784.0493638509873	3744.011142487111	3744.5991027398173	45.03223137	39.49260111078001
6	150	10266	1367641.1413	8907.31720250766	39.31420243638083	-102.098289	322880.1260772787	4356223.211589890	3937.8171550327	3782.695784084616	3739.753854276394	3740.370213837856	42.9410413206747	42.925546117003
7	150	10267	1366981.1413	8907.31720250766	39.3142276901846	-102.0959375	323081.2631341942	4356219.10217723	3936.89869403999	3781.3415648827904	3738.66535677493	3736.21989310407	45.949292053511	42.729178202637
8	150	10268	1366321.1413	8907.31720250766	39.3142523901269	-102.0936061	323282.299023568	4356214.993	3937.2308404012397	3779.96868248912	3731.63396799725	3732.257187167054	44.3674814918694	47.125108130647
9	150	10269	1365661.1413	8907.31720250766	39.3142706460483	-102.0917248	323483.53645396626	4356210.7884	3937.562963531694	3778.83182066398	3737.7576969017946	3738.261416335189	45.0284172623045	50.2384043288043
10	150	10270	1365001.1413	8907.31720250766	39.314302534853425	-102.0889434	323684.67177123424	4356206.74943713347	3937.895132	3777.276535103925	3724.144450684145	3724.589084515965	53.1270482624759	52.687405943595
11	150	10271	1364341.1413	8907.31720250766	39.31432740207227	-102.086612	323885.80871635705	4356202.6662359	3937.03845146668	3775.921566021177	3720.3182506833197	3720.6567796921256	55.6033135452759	55.26478435788632
12	150	10272	1363681.1413	8907.31720250766	39.3143522602612	-102.084206	324084.84455145455	4356198.557747092	3934.891248776608	3774.568602174031	3716.8285037839564	3716.8285037839564	57.925322327374	57.9358539254495
13	150	10273	1363021.1413	8907.31720250766	39.31437694247879	-102.081949	324284.9872248325	4356194.5494584	3934.81431037343	3775.194821697376	3716.835097095472	3716.835097095472	58.8902481223848	58.8902481223848
14	150	10274	1362361.1413	8907.31720250766	39.314401805549636	-102.0796178	324489.21513036934	4356190.34362108	3934.59434402344	3770.861582292673	3709.90216857154	3710.2535455859056	61.96331367755938	61.961193570672219
15	150	10275	1361701.1413	8907.31720250766	39.314426510648888	-102.0772864	324680.3500755519	4356186.23245075	3929.172824748924	3770.516135096418	3707.3485336260046	3707.516135096418	62.9444788888888	62.9444788888888
16	150	10276	1361041.1413	8907.31720250766	39.31445117071812	-102.074955	324891.48475705192	4356182.126	3928.31382598114	3769.16702	3704.716755324179	3705.020321499945	64.5004672290058	64.1473804565728
17	150	10277	1360381.1413	8907.31720250766	39.31447578575324	-102.0726235	325092.691756479	4356178.01249397	3927.4548271687986	3769.819822915664	3702.1747244976114	3702.648895415737	65.6465779395505	65.17051274999267
18	150	10278	1359721.1413	8907.31720250766	39.31450035576639	-102.0702921	325293.75333153765	4356173.91035737	3926.5958283539682	3766.470138274851	3699.903081780919	3700.3654064761545	66.5697764933164	66.1047317898632
19	150	10279	1359061.1413	8907.31720250766	39.3145248074532	-102.067897	325494.8972248325	4356169.703817354	3924.818775455123	3765.11846416298	3698.293648437345	3697.293648437345	67.2968671939888	67.2968671939888
20	150	10280	1358401.1413	8907.31720250766	39.31454933693406	-102.0656429	325696.029530376	4356165.9894245	3923.12589694245	3763.776801300096	3696.404994059119	3696.404994059119	67.317072409057	67.317072409057
21	150	10281	1357741.1413	8907.31720250766	39.31457379561254	-102.0632979	325897.15425529232	4356150.19616398	3919.4218561489416	3762.38074022982	3693.7591851399197	3694.5804702021186	68.62955509	67.8082072722609
22	150	10282	1357081.1413	8907.31720250766	39.31459818550074	-102.060965	326098.287321899	4356151.484	3917.43450456807	3761.007720452505	3691.747419507668	3692.596773171193	69.681797946372	68.328495740578
23	150	10283	1356421.1413	8907.31720250766	39.3146225303862	-102.0586351	326299.42017765105	4356147.37296475	3914.0885392046833	3759.6102648055	3690.03878644636	3691.9990969343197	69.57138536131	67.6119135364553
24	150	10284	1355761.1413	8907.31720250766	39.3146468301586	-102.0563037	326500.55276164511	4356149.271154378	3913.45397042337	3758.186749137766	3688.327759604344	3690.22114488138	69.5898195334221	67.65959343
25	150	10285	1355101.1413	8907.31720250766	39.3146710489531	-102.0539722	326701.68585437354	4356145.165	3908.8995	3756.719861945408	3686.873762711319	3687.52263035906	69.8481334081216	68.4466809
26	150	10286	1354441.1413	8907.31720250766	39.31469524740876	-102.051640	326902.8171462457	4356141.05445894	3908.30415107343	3755.194821697376	3686.34123269708	3686.34123269708	69.8902481223848	69.8902481223848
27	150	10287	1353781.1413	8907.31720250766	39.3147194568573	-102.0493094	327104.948468629	4356135.958394925	3905.59064584597	3753.975329275254	3684.689019790205	3684.689019790205	69.9232715055191	68.72103808527
28	150	10288	1353121.1413	8907.31720250766	39.31474359191216	-102.046978	327305.0048073428	4356128.44853309	3900.7561131790535	3751.850352733063	3683.977708319992	3683.78596167834	67.8726441303638	68.064390965734
29	150	10289	1352461.1413	8907.31720250766	39.3147676386607	-102.0446465	327506.2117667363	4356128.3732323	3907.925561773103	3750.00012588863	3683.173774164762	3683.76971827853	68.2625317673063	67.6230367222967
30	150	10290	1351801.1413	8907.31720250766	39.31479163810296	-102.0423151	327707.3476725692	4356124.63840163	3895.09013067666	3748.0470801649826	3682.03265454892	3685.4247328708516	68.01681471909069	62.6223472941303
31	150	10291	1351141.1413	8907.31720250766	39.31481568813569	-102.0399837	327908.47365701474	4356120.53829348	3894.59479216441	3746.017205940015	3679.9912166517956	3685.6082473810786	68.05928912805	64.01358404672792
32	150	10292	1350481.1413	8907.31720250766	39.314839967719405	-102.0376325	328189.050445387	4356116.42930362	3908.25907108335	3743.97302526986	3677.106966552688	3685.62895463986	67.6737460740028	38.30804279891072
33	150	10293	1349821.1413	8907.31720250766	39.3148632473076	-102.035312	328390.173101123	4356112.4383047673	3907.12382958	3742.8790781676	3676.14383047673	3676.14383047673	68.01681471909069	68.01681471909069
34	150	10294	1349161.1413	8907.31720250766	39.3148873171845	-102.0329884	328591.1864359583	4356108.122	3907.78813705231	3742.7076036471	3669.810107580377	3668.121607	68.0926530429412	57.56635413041145
35	150	10295	1348501.1413	8907.31720250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
117	150	10337	-294381.1413	89073.73170250766	-36.17670988024657	-01.8394759	255204.76883335523	4355768.252403201	376.002685127594	-381.1983398951375	3490.3049986873493	3488.697220266451	80.894241.26402582	92.50111968
118	150	10338	-293721.1413	89073.73170250766	-36.17672994702364	-01.8371439	255405.8776567002	4355764.15685337	367.55414805342	3579.207800232325	3498.994651706495	3490.09284258426	89.203350620553	89.11751598
119	150	10339	-293061.1413	89073.73170250766	-36.17674997	-01.8348124	255606.9683806354	4355760.00000000	378.4584567712372	3577.215647878264	3489.175884110364	3491.61389189367	88.03917460678903	85.80123991
120	150	10340	-292401.1413	89073.73170250766	-36.17676904547557	-01.8324808	255808.09494774308	4355755.958527969	3769.725013070402	3575.221586001892	3483.350663831763	3490.431365473508	86.87149221701293	81.80805306483871
121	150	10341	-291741.1413	89073.73170250766	-36.17678987714834	-01.8301493	256009.20317585216	4355751.903229051	370.954619738344	3573.227912053791	3488.1903813870616	3496.738040305368	85.11853606672308	74.48837202203738
122	150	10342	-291081.1413	89073.73170250766	-36.17680976378761	-01.8278177	256210.31113224734	4355747.815	372.1842257730795	3571.2333521424616	3488.433630565051	3494.999395780698	82.7997160059561	76.23395636176383
123	150	10343	-290421.1413	89073.73170250766	-36.17682960539236	-01.8254861	256411.848827343	4355743.724803914	372.588729	3569.238805590563	3488.941731213324	3490.1027457679984	80.29707437723891	79.13056092526468
124	150	10344	-289761.1413	89073.73170250766	-36.1768490196253	-01.8231546	256612.5262296328	4355739.647516805	372.162128261525	3567.244801900605	3484.651158413137	3489.0771978501027	72.03964348746931	78.16704049539678
125	150	10345	-289101.1413	89073.73170250766	-36.17686915348686	-01.8208623	256813.6336510095	4355735.655392996	3555.252215358586	3477.397991821944	3483.206890381416	3475.8522353469162	72.04526313494443	75.95759644
126	150	10346	-288441.1413	89073.73170250766	-36.1768895996987	-01.8184915	257014.7400549274	4355731.40930948	3563.261631367594	3468.80384	3487.6910619181974	3457.90172969931	65.571407	
127	150	10347	-287781.1413	89073.73170250766	-36.17690852	-01.8161598	257215.8473036752	4355727.36292328	3769.800237550536	3561.2732321878066	3460.5427783350505	3460.630540455636	64.8570888703751	
128	150	10348	-287121.1413	89073.73170250766	-36.1769281733896646	-01.8138283	257416.9538167608	4355723.29708146	3767.19935642402	3559.2881185571323	3452.9043165342962	3460.733629949151	60.3830202287271	67.91494156261242
129	150	10349	-286461.1413	89073.73170250766	-36.17694770923339	-01.8114968	257618.06008994748	4355719.211408525	3560.3061973	3545.07152841730077	3468.4832264670076	3460.733629949151	112.23644223990235	70.82289033883434
130	150	10350	-285801.1413	89073.73170250766	-36.17696723565529	-01.8091652	257819.16612344387	4355715.104263325	361.9796719724894	3555.2380583678766	3437.61036881927	3468.4832264670076	117.6570214756839	71.9249214918952
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132	150	10352	-284481.1413	89073.73170250766	-36.177006153274576	-01.8045021	258221.377472718179	4355708.955336019	3574.974016800237	3551.3867423219644	3424.095083005992	3459.9371635120584	127.206122629823	91.4490580809009
133	150	10353	-283821.1413	89073.73170250766	-36.17702554453185	-01.8021705	258422.48278763827	4355702.87063537	3571.1526105722987	3549.425704027325	3417.6727272	3441.880660309695	131.7529323146043	127.75541438677899
134	150	10354	-283161.1413	89073.73170250766	-36.177044800754204	-01.7998339	258622.58766462052	4355698.759829279	3747.3347542675084	3547.47824765084	3411.9837306080337	3441.880660309695	135.4890875745527	127.545138421465
135	150	10355	-282501.1413	89073.73170250766	-36.17706419194155	-01.7975074	258824.69270274206	4355694.701415677	3742.978324742575	3545.529626054606	3406.6104024614806	3405.057986425246	138.9192182	130.4771610081808
136	150	10356	-281841.1413	89073.73170250766	-36.177083448039396	-01.7951758	259025.7973024048	4355690.617097143	3738.08348	3543.597747851335	3401.545910358809	3385.605312109954	142.051874343258	157.99243574318098
137	150	10357	-281181.1413	89073.73170250766	-36.1771026521117	-01.7928442	259226.09166381451	4355685.32973872	3733.18857062625	3541.6785555242275	3396.3319049939886	3375.07656478913	145.3466650841537	166.6080906543147
138	150	10358	-280521.1413	89073.73170250766	-36.17712162993338	-01.7905126	259428.00578171588	4355682.40044659	3726.25976726155	3539.77854	3391.310523227404	3401.47710121232323	117.731943238975	118.1933836803788
139	150	10359	-279861.1413	89073.73170250766	-36.17714175	-01.7879124	259638.72800261154	4355679.88984298	3725.260271256437	3537.881978249567	3424.95786862929	3424.95786862929	122.56739607248424	72.15789832900909
140	150	10360	-279201.1413	89073.73170250766	-36.1771610120295	-01.7854905	259830.2132054949	4355674.281769561	3724.408233989	3535.801382142952	3412.941587158453	3452.747145874814	127.75541438677899	127.75541438677899
141	150	10361	-278541.1413	89073.73170250766	-36.17718002352276	-01.7835179	260031.31673102372	4355670.19843638	3723.67689028071	3534.143697914133	3381.980370658196	3381.980370658196	152.1635923731272	201.71238912260358
142	150	10362	-277881.1413	89073.73170250766	-36.177198019270394	-01.7811863	260232.4199042741	4355666.115272202	3722.802925	3532.301612254662	3387.638746488054	3385.853139111767	144.662652740064	193.7184731369538
143	150	10363	-277221.1413	89073.73170250766	-36.17721688017654	-01.7788547	260433.5228044947	4355662.03513153	3724.352363967967	3530.477725535388	3388.324902306026	3376.489417870309	145.1915024683614	153.983383468332987
144	150	10364	-276561.1413	89073.73170250766	-36.17723587604739	-01.7765232	260634.62536981354	4355657.949562518	3728.3061953631704	3528.627848	3410.9409027364927	3410.940271121232323	117.731943238975	118.1933836803788
145	150	10365	-275901.1413	89073.73170250766	-36.1772547268249584	-01.77417916	260835.72800261154	4355652.984942118	3726.25976726155	3537.881978249567	3424.95786862929	3424.95786862929	122.56739607248424	72.15789832900909
146	150	10366	-275241.1413	89073.73170250766	-36.177273735263829	-01.772528	261034.78610456	4355648.294494718	3525.121356180504	3534.982052508843	3422.52774048736616	3422.52774048736616	127.75541438677899	127.75541438677899
147	150	10367	-274581.1413	89073.73170250766	-36.177292230447686	-01.7695284	261237.93221915516	4355642.370430116	3736.17109997594	3523.374629081608	3448.982208887666	3421.31889932349	143.702401804891	152.147393381155
148	150	10368	-273921.1413	89073.73170250766	-36.17731100917693	-01.7671968	261439.037933354	4355641.62	3733.9017480435636	3521.646436419014	3459.137529273623	3472.858362828216	139.4591136557635	148.7807969507981
149	150	10369	-273261.1413	89073.73170250766	-36.177329679876	-01.7648652	261640.13549172322	4355637.538655278	3731.04245870613	3519.936658665054	3465.211799314326	3469.24056276955	147.28857520164	150.71291130549585
150	150	10370	-272601.1413	89073.73170250766	-36.17734835052888	-01.7625336	261841.2367254904	4355633.45705867	3728.1831213110527	3518.2437712502075	3466.054332377991	3461.2035927091542	152.18943914206676	167.504017881
151	150	10371	-271941.1413	89073.73170250766	-36.17736688615154	-01.760202	262042.3627195637	4355629.376	3725.66988822245	3516.566999274805	3463.9437336437236	3448.335498	162.326653118131	182.7753033628493
152	150	10372	-271281.1413	89073.73170250766	-36.1773854217385	-01.7578176	262243.408233989	4355625.294449218	3724.408233989	3514.904382142952	3412.941587158453	3452.747145874814	127.75541438677899	127.75541438677899
153	150	10373	-270621.1413	89073.73170250766	-36.177403912290025	-01.7555389	262444.5392114997	4355621.213436181	3722.62919951133	3513.254195337617	3448.982052508843	3422.52774048736616	127.75541438677899	127.75541438677899
154	150	10374	-269961.1413	89073.73170250766	-36.17742235780577	-01.7532073	262645.6355042526	4355617.13261724	3719.116504361574	3511.612565525555	3456.325095268825	3458.507335	155.2847027037298	155.2847027037298
155	150	10375	-269301.1413	89073.73170250766	-36.17744075828582	-01.7508757	262846.7396619951	4355610.19527903	3718.1756254184	3509.80346135661	3454.488453736309	3454.488453736309	155.2847027037298	155.2847027037298
156	150	10376	-268641.1413	89073.73170250766	-36.17745911373014	-01.7485441	263047.836356141	4355608.971562459	3718.1756254184	3508.362186910562	3452.938326607684	3456.97671618021	155.2847027037298	155.2847027037298
157	150	10377	-267981.1413	89073.73170250766	-36.17747742138694	-01.7462125	263248.939175087	4355603.91326353	3718.837647575325	3506.7621400909247	3451.357031464048	3448.335498	162.326653118131	182.7753033628493
158	150	10378	-267321.1413	89073.73170250766	-36.17749585118432	-01.7438917	263450.0385086187	4355598.11284922	3719.167084230623	3505.713222425474	3448.982052508843	3422.52774048736616	127.75541438677899	127.75541438677899
159	150	10379	-266661.1413	89073.73170250766	-36.1775140610295	-01.7415284	263658.025716303	4355588.17794361	3707.6512337979	3502.942502014198	3448.982052508843	3422.52774048736616	127.75541438677899	127.75541438677899
160	150	10380	-266001.1413	89073.73170250766	-36.1775326951536	-01.7392717	263862.3670670485	4355592.651782516	3717.520485209257	3502.103202014198	3448.982052508843	3422.52774048736616	127.75541438677899	127.75541438677899
161	150	10381	-265341.1											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBotKgr.f	SatHtElev.f	SatHtBotH.f
23	150	10503	-21221.1413	890737.3170250766	39.1888836964284	-101.545691	80542.654964406	4355254.717185487	3565.871739244615	3111.52099	3317.536232530198	3322.2945350437035	39.84765749484198	89.22645498097654
244	150	10504	-21066.1413	890737.3170250766	39.1888902901529	-101.5453959	28074.735186649	4355250.65327447	3563.655704525547	3401.453646372753	3318.1509974572537	3323.105701610759	39.840917892165	87.34888112265167
245	150	10505	-20980.1413	890737.3170250766	39.1889122561528	-101.5451672	26944.41486156225	4355246.66622578	3561.4396716904942	3409.337844837738	3319.106918216466	3323.197423000532	39.84301821	88.15610002
246	150	10506	-20924.1413	890737.3170250766	39.1889607825177	-101.5386599	21585.894580438	4355242.528	3559.226337866344	3408.217453367854	3315.8541308097645	3322.12734791341	39.8331355508989	86.0451057651232
247	150	10507	-20868.1413	890737.3170250766	39.1894094	-101.5363642	28136.4673987637	4355238.464913343	3556.412273500430	3407.634929212559	3316.636236	3322.968698	39.84079330849085	84.07493080759291
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251	150	10511	-20594.1413	890737.3170250766	39.1898751314978	-101.5270374	282151.298465281	4355222.216	3544.3171715	3401.902477381687	3319.263894220069	3327.548511888857	39.842391583846102	74.5581953846102
252	150	10512	-20528.1413	890737.3170250766	39.1901154501341	-101.5247057	282352.3677953397	4355218.15933049	3400.48737035127	3319.3912533575237	3319.9215265801452	3318.915967788936	39.842391583846102	73.56551723405912
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254	150	10514	-20396.1413	890737.3170250766	39.1903947362445	-101.5200423	282754.5238166286	4355210.09666238	3522.985708811869	3329.4790225171655	3319.07520328004304	3325.411384661746	39.84084943673506	72.06763785514943
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256	150	10516	-20264.1413	890737.3170250766	39.19153789	-101.5153789	283156.78818132553	4355201.90833827	3514.246649	3334.226692009083	3317.958891	3326.99563310413	39.8426980145226	70.173726994163
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273	150	10533	-19142.1413	890737.3170250766	39.19295810164164	-101.4757399	286574.9635482852	4355132.900661129	3468.738092089919	3357.70798037171	3268.3204722303583	3328.153868053768	39.841733727118631	70.14774911
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287	150	10547	-18218.1413	890737.3170250766	39.194742856601	-101.4430958	289389.978	4355076.11254761	3438.1346040871	3340.055078191763	3277.947063736526	3282.8372491458746	39.841733727118631	70.14774911

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBokth.f	SatHtKgs.f	SatHtBokth.f
369	150	10629	-128061.1413	890737.3170250766	39.2034236432367	-101.2518918	305877.1073681405	4354744.256787337	3340.713471754795	3167.284150504928	3153.767129057384	3165.0071176159076	3153.7012447544266	322.27732889020575
370	150	10630	-127401.1413	890737.3170250766	39.20351058	-101.24996	306078.1613146137	4354701.271772329	3340.877960890777	3184.570903736783	3151.420172953634	3150.0605934821355	3147.030816044421	23.0703108152479
371	150	10631	-126741.1413	890737.3170250766	39.2035974949674	-101.248828	306279.21686847205	4354736.178949897	3340.7194198147	3181.538673448937	3147.240810801737	3156.036548198978	3146.083548198978	23.00232518528
372	150	10632	-126081.1413	890737.3170250766	39.2036839060075	-101.244895	306480.27013351367	4354732.14	3340.391431755755	3179.066599270724	3145.417071760136	3154.55600991058073	3146.695711058073	24.53059511391608
373	150	10633	-125421.1413	890737.3170250766	39.20376962610524	-101.2425647	306681.3240087439	4354728.10683398	3340.0122440988003	3176.31648855304	3143.07076135363	3151.085406057442	3143.7295872417647	25.231260719867197
374	150	10634	-124761.1413	890737.3170250766	39.20383549953196	-101.2402329	306882.3779473122	4354714.018337098	3339.63054218005	3173.532160785484	3140.34297526961	3151.0847125824683	3151.0847125824683	25.6911326078801296
375	150	10635	-124011.1413	890737.3170250766	39.20393991510315	-101.2379011	307083.431290539	4354702.02585498	3339.05529992578523	3170.328104892832	3137.525999921336	3144.40059289236	3137.525999921336	26.332471455509948
376	150	10636	-123441.1413	890737.3170250766	39.2040423836096	-101.2359593	307284.4849675676	4354718.90772652	3338.27682601217	3167.919067202032	3140.9723281622433	3160.03072886239	3140.97232886239	26.946740845999948
377	150	10637	-122781.1413	890737.3170250766	39.2041184024044	-101.2332375	307485.5371580744	4354711.958906209	3337.50216260499	3165.95997835568	3137.555999921336	3158.888815240895	3147.555999921336	27.534869267897228
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381	150	10641	-120141.1413	890737.3170250766	39.2044399720402	-101.2239104	308289.7483019785	4354685.80132158	3337.346710475262	3153.386170475262	3123.5362233	3123.5362233	3147.9628162061392	29.817232023698074
382	150	10642	-119481.1413	890737.3170250766	39.20452173841325	-101.2215786	308490.80047814606	4354691.764618474	3337.752329301234	3150.717748499352	3116.37863050528	3120.081551453702	3143.3911799406504	30.6361974565008
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385	150	10645	-117501.1413	890737.3170250766	39.2047643350044	-101.2145832	309093.9558091994	4354679.65566473	3332.778862050574	3141.829835304581	3107.79889096306	3147.9628162061392	3143.3911799406504	32.1500243343467
386	150	10646	-116841.1413	890737.3170250766	39.2048449297582	-101.2122514	309295.003707286	4354675.91732054	3330.69701025574	3138.96245964583	3106.470644989056	3147.9628162061392	3143.3911799406504	32.57861281134915
387	150	10647	-116181.1413	890737.3170250766	39.2049283140568	-101.2099196	309496.05854671285	4354671.583991916	3328.346889314757	3130.67580578718	3103.505019490434	3147.9628162061392	3143.3911799406504	32.9875607380373
388	150	10648	-115521.1413	890737.3170250766	39.2050028779401	-101.2075879	309697.109996405	4354667.548444347	3325.868489074497	3133.081193040468	3098.1080579307	3099.175093978174	3143.3911799406504	33.365286081672655
389	150	10649	-114861.1413	890737.3170250766	39.2050814914077	-101.2052561	309888.1606557284	4354663.513089339	3323.33102404007	3130.116851	3095.058017049884	3099.175093978174	3143.3911799406504	33.69671238
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392	150	10652	-112881.1413	890737.3170250766	39.2053134623106	-101.1982607	310501.311945634	4354651.408179612	3315.490732732673	3121.176527603894	3087.25155464209	3092.8749683806	3143.3911799406504	34.5988166705376
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395	150	10655	-110901.1413	890737.3170250766	39.20554337134797	-101.1912653	311104.461756971	4354639.305	3307.606637462216	3112.1566245949084	3078.53111188049	3078.53111188049	3143.3911799406504	35.3669304
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398	150	10658	-109021.1413	890737.3170250766	39.2057847389309	-101.184399	311707.900115267	4354627.30532615	3302.763761917	3103.0489272341156	3067.23485536735	3065.179033175	3143.3911799406504	36.17874945522264
399	150	10659	-108261.1413	890737.3170250766	39.20586428531985	-101.1819381	311908.65891332115	4354623.17	3302.2838524120653	3097.9777444114	3058.69161748955	3058.632651372674	3143.3911799406504	36.43175281
400	150	10660	-107601.1413	890737.3170250766	39.2059451612058	-101.179603	312109.677	4354619.136899101	3295.546163360618	3096.92257769334	3051.879149168493	3051.879149168493	3143.3911799406504	36.7045502616369
401	150	10661	-106941.1413	890737.3170250766	39.2060298705557	-101.1772745	312310.75638504786	4354615.1039627	3302.82843830172	3093.841164909312	3045.248073785454	3045.248073785454	3143.3911799406504	36.9710223272774
402	150	10662	-106281.1413	890737.3170250766	39.2060624786084	-101.1749427	312511.8048450171	4354611.07980793	3300.170124332246	3090.74262151014	3038.845545236061	3038.845545236061	3143.3911799406504	37.02565347429677
403	150	10663	-105621.1413	890737.3170250766	39.2061347962544	-101.1726109	312712.8531213015	4354607.3833369	3297.92334307531	3087.626275063654	3037.748857071624	3037.748857071624	3143.3911799406504	37.29653671299527
404	150	10664	-104961.1413	890737.3170250766	39.206206434907	-101.1702791	312913.901214152	4354603.05056278	3295.6737377981	3084.9206909075	3027.202210710435	3027.202210710435	3143.3911799406504	37.5723929641196
405	150	10665	-104301.1413	890737.3170250766	39.2062780502605	-101.1679473	313114.94123803	4354599.97391811	3284.69040205315	3081.34166874384	3022.321853108337	3022.321853108337	3143.3911799406504	37.8581955061412
406	150	10666	-103641.1413	890737.3170250766	39.2063430066421	-101.1656155	313315.996850334	4354594.941508511	3282.95215243311	3078.1731907788	3018.426839579301	3018.426839579301	3143.3911799406504	38.0594734904986
407	150	10667	-102981.1413	890737.3170250766	39.2064195126056	-101.1632837	313517.04439412267	4354589.90618257	3281.808072	3074.8998675911516	3015.2252790719438	3015.2252790719438	3143.3911799406504	38.3576776816804
408	150	10668	-102321.1413	890737.3170250766	39.2064896	-101.1609519	313781.091752322	4354586.87920416	3281.177013304677	3074.1948466817	3012.409093936815	3012.409093936815	3143.3911799406504	38.64732604963
409	150	10669	-101681.1413	890737.3170250766	39.2065691732781	-101.1586201	313991.1383931905	4354582.846414977	3280.549510334846	3068.58442555074	3008.8482829235	3008.8482829235	3143.3911799406504	38.9467931958338
410	150	10670	-101001.1413	890737.3170250766	39.206632871965	-101.156283	314210.185935073	4354578.51101929	3278.01489963022	3065.963277510546	3007.282406452104	3007.282406452104	3143.3911799406504	39.1860760111728
411	150	10671	-100341.1413	890737.3170250766	39.206709309007	-101.1539857	314429.328746746	4354574.38989821	3276.299999999999	3063.29348494986	3005.92348494986	3005.92348494986	3143.3911799406504	39.45479090506
412	150	10672	-99681.1413	890737.3170250766	39.206785261477	-101.1516247	314522.7397746485	4354570.753	3275.0299020115	3059.07988825545	3004.10121436237	3003.96740383697	3143.3911799406504	39.727219
413	150	10673	-99021.1413	890737.31702										

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
495	10755	-44901.14133	890737.3170250766	39.32108601866678	-00.9580838	331208.5365369044	4354236.855892842	3159.1125206270253	2972.6439276503056	2930.72808	2932.962956412544	41.91584802432544	39.680971237761696
496	10756	-44241.14133	890737.3170250766	39.32108900403965	-00.955752	331409.5686445105	4354232.814032253	3157.37474001226	2971.814242393364	2930.721362563745	2932.195798620529	41.0930607261908	39.61862447283511
497	10757	-43581.14133	890737.3170250766	39.32109256728764	-00.9534929	331610.6005478639	4354228.9284344	3156.786893949227	2970.864887	2930.6816599168	2931.87677209717	40.9342700024383	39.10570493122504
498	10758	-42921.14133	890737.3170250766	39.32109500903460	-00.9510883	331811.6332390436	4354248.2101114	3153.899178776273	2970.174248711503	2930.138555007859	2931.74028011956	40.4056450519148	38.56574485019148
499	10759	-42261.14133	890737.3170250766	39.321097915737845	-00.9487565	332012.63308328404	4354220.79789545	3150.909336165628	2968.04500431915	2929.439090824407	2931.8507969627813	39.86541300750834	37.45370473919684
500	10760	-41601.14133	890737.3170250766	39.32110077398904	-00.9464247	332213.6953757585	4354213.78358634	3146.667451552762	2968.245126965094	2929.332978	2931.8507969627813	39.112921336432	37.16902158207618
501	10761	-40941.14133	890737.3170250766	39.321103584017266	-00.9440828	332414.726846877	4354212.77	3142.425556940276	2967.584844	2929.693249374597	2931.11306633747	37.891984	36.45373785
502	10762	-40281.14133	890737.3170250766	39.321106359594275	-00.941761	332615.7578817695	4354208.756	3138.1836232416275	2966.70402625653	2928.733559966104	2931.6093387474234	37.9650629404257	35.09187277929546
503	10763	-3961.14133	890737.3170250766	39.32110939217272	-00.938429	332816.7889045628	4354204.743	3136.28897	2965.792887477564	2928.8897469344584	2931.8631401403189	36.8831401403189	34.43072647559756
504	10764	-38961.14133	890737.3170250766	39.32111177361274	-00.9357073	333017.8156980537	4354200.729549391	3130.87127345045	2964.854861776226	2929.5194682976555	2931.8631401403189	36.35351304785715	33.932937913913
505	10765	-38301.14133	890737.3170250766	39.3211141006467	-00.9347655	333218.8500280023	4354196.716	3127.336986	2963.873439023678	2929.344657688153	2930.442527530246	36.35351304785715	33.932937913913
506	10766	-37641.14133	890737.3170250766	39.3211170146975	-00.9324337	333419.8806670046	4354192.703955492	3123.926091744435	2962.8556524785	2929.0087157050284	2929.8288934768	33.8468045295642	33.0267689638096
507	10767	-36981.14133	890737.3170250766	39.32111954783181	-00.9301018	333612.9006287046	4354190.95009435	3121.093605594826	2961.784130012391	2928.3592238510554	2929.0840235510554	33.422061883782	32.7010623223545
508	10768	-36321.14133	890737.3170250766	39.32112204915115	-00.927777	333814.01096291	4354184.678106217	3118.862262171327	2960.6511704879127	2927.476051576142	2927.891170671127	33.1751189175901	32.7060370178902
509	10769	-35661.14133	890737.3170250766	39.32112455942775	-00.9254382	334022.9719684621	4354180.66610762	3116.89899393358	2959.46399624208	2926.087515	2926.2300648282415	32.9769047427808	33.2322913996651
510	10770	-35001.14133	890737.3170250766	39.3211269169163	-00.923103	334224.0008785105	4354176.65336924	3114.501472612436	2958.21918439085	2925.965328904832	2926.767363701665	34.1538549426306	33.1538549426306
511	10771	-34341.14133	890737.3170250766	39.32112928265276	-00.9207745	334425.0306271931	4354172.842	3111.650204234528	2956.95263796707	2927.45113807445	2927.5351986405	35.143594702452638	35.143594702452638
512	10772	-33681.14133	890737.3170250766	39.32113160401145	-00.9184427	334626.6001450185	4354168.63331891	3108.145045	2955.921931391606	2918.750279793671	2918.8133716778975	36.41913654741826	36.7782476018304
513	10773	-33021.14133	890737.3170250766	39.3211338801076	-00.9161108	334827.08934071254	4354164.61791755	3104.639886284926	2954.233305287639	2916.0817387200623	2916.127703077308	38.1519623675674	38.1519623675674
514	10774	-32361.14133	890737.3170250766	39.32113611116962	-00.913779	335028.1158062960	4354160.64743161	3101.34277430925	2952.865184530796	2913.4426963843308	2913.462263640061	39.3957016074884	39.3957016074884
515	10775	-31701.14133	890737.3170250766	39.32113829718975	-00.9114472	335229.1471056953	4354156.9268201	3098.161688233907	2951.511239231858	2910.7151476995996	2910.7364358905495	40.7960913252829	40.7960913252829
516	10776	-31041.14133	890737.3170250766	39.3211403816708	-00.9091153	335430.176534085	4354152.96520651	3096.18682025998	2950.18365324825	2907.7857135293786	2907.8011115364718	42.36299310464596	42.36299310464596
517	10777	-30381.14133	890737.3170250766	39.3211425413071	-00.9067929	335631.2534369748	4354148.74546138	3094.87268208394	2949.890582943863	2906.815458261033	2906.815458261033	44.0529610829346	44.0529610829346
518	10778	-29721.14133	890737.3170250766	39.3211445849344	-00.9044517	335832.23362407	4354144.56360414	3090.83724830912	2948.674096343823	2900.597037659436	2900.744819728304	47.03037177445706	46.852895005187
519	10779	-29061.14133	890737.3170250766	39.32114659804248	-00.9021198	336024.361296384	4354140.55372996	3088.3684476930683	2946.386070853227	2898.567576492364	2896.624145325225	49.814843606304	47.9329732970455
520	10780	-28401.14133	890737.3170250766	39.32114856164871	-00.89978	336234.2901306638	4354136.543373462	3085.868691277302	2945.157229951322	2892.564515631846	2892.6475407067	52.92307363213685	52.92307363213685
521	10781	-27741.14133	890737.3170250766	39.32115046741215	-00.8974562	336435.3187154714	4354132.533	3083.369291277302	2943.9343358092224	2889.095984029254	2889.084123008314	54.5297740692701	54.5297740692701
522	10782	-27081.14133	890737.3170250766	39.321152338132826	-00.8951243	336636.34660102423	4354128.532488831	3080.869171000943	2942.7128952697085	2887.958582616815	2886.053541	56.74300425293405	56.74300425293405
523	10783	-26421.14133	890737.3170250766	39.32115416381071	-00.8927819	336837.37378753105	4354124.56181071	3078.87268208394	2941.68977828496	2886.98975004412	2886.98975004412	58.99933708699125	58.99933708699125
524	10784	-25761.14133	890737.3170250766	39.321155944579	-00.8904607	337038.3535	4354120.50440057	3076.913511000943	2940.2573770797842	2881.2567691173903	2881.2567691173903	60.9522824835104	60.9522824835104
525	10785	-25101.14133	890737.3170250766	39.32115768003806	-00.8881288	337239.42876422143	4354116.49520744	3080.884919213567	2939.017083277644	2879.269994	2879.269994192476	63.074086521461	63.074086521461
526	10786	-24441.14133	890737.3170250766	39.32115937057566	-00.885797	337440.4560148148	4354112.486197072	3077.9192847184	2937.7652489754378	2877.45148252757	2877.45148252757	65.3110841156206	65.3110841156206
527	10787	-23781.14133	890737.3170250766	39.3211616094244	-00.8834652	337641.4837011798	4354108.47373729	3076.036675266414	2936.499331553759	2875.750054163488	2875.750054163488	67.4729739027098	67.4729739027098
528	10788	-23121.14133	890737.3170250766	39.32116261658105	-00.8811333	337842.5104152204	4354104.46869808	3083.00826354063	2935.216315806897	2874.026572834163	2874.231650361773	69.1902583239337	69.1902583239337
529	10789	-22461.14133	890737.3170250766	39.32116417197918	-00.8788019	338043.53881804787	4354100.460193302	3083.913985505496	2933.912162609886	2871.420416942848	2871.705910564398	71.499766510405	71.499766510405
530	10790	-21801.14133	890737.3170250766	39.3211658235741	-00.8764958	338244.534369748	4354100.45190196	3084.914737682496	2932.5840495931651	2870.381746811598	2870.381746811598	73.737309807533	73.737309807533
531	10791	-21141.14133	890737.3170250766	39.3211674769284	-00.8741378	338445.58989464	4354092.43814941	3084.914737682496	2931.29318	2863.3229629328	2863.3229629328	76.8270433136726	76.8270433136726
532	10792	-20481.14133	890737.3170250766	39.321169639546	-00.871806	338646.6162027657	4354088.43592174	3082.758026959518	2929.84667159396	2860.08190952133	2860.22108657294	79.0746854674282	79.0746854674282
533	10793	-19821.14133	890737.3170250766	39.3211699432355	-00.8694742	338847.6424	4354084.42081236	3081.022259880175	2928.43803754317	2857.6321330814717	2857.6321330814717	80.8026707825146	80.8026707825146
534	10794	-19161.14133	890737.3170250766	39.3211717342419	-00.8671423	339048.66834058147	4354080.42081666	3079.4064321802175	2926.93142423698	2855.473438945406	2855.473438945406	82.71577034825732	82.71577034825732
535	10795	-18501.14133	890737.3170250766	39.32117258560314	-00.8648109	339249.6947145054	4354076.413	3078.12621029331	2925.921189995562	2853.622848402475	2853.622848402475	84.79192591	84.79192591
536	10796	-17841.14133	890737.3170250766	39.32117379672762	-00.862478	339450.7198524045	4354072.40637698	3077.241954394352	2924.02235846422	2852.056623919435	2852.42296390924	87.1913633054696	87.1913633054696
537	10797	-17181.14133	890737.3170250766	39.3211754261378	-00.860155	339651.743741015	4354064.35161821	3076.241954394352	2923.04895931651	2851.11656214402	2851.11656214402	89.703701714874	89.703701714874
538	10798	-16521.14133	890737.3170250766	39.321176714769284	-00.8578135	339852.7703788011	4354064.395216938	3075.42271234737	2920.943377116521	2849.330716919327	2849.330716919327	91.7020054276614	91.7020054276614
539	10799	-15861.14133	890737.3170250766	39.32117742883453	-00.8554832	340053.7959482236	4354060.386	3074.2996422255819	2919.367017480305	2847.897350857363	2847.897350857363	93.669664496762	93.669664496762
540	10800	-15201.14133	890737.3170250766	39.3211783788448	-00.8531513	340254.8102044836	4354056.73982579	3072.839035555817	2917.768277443567	2846.500439302254	2846.500439302254	95.6217443317377	95.6217443317

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBotKgr.ft	SatHtKgr.ft	SatHtBotKgr.ft
61	1501	10881	42858.8586730335	890737.3170250766	39.32211457743257	-100.6642727	35675.3527919764	4353732.498074589	608.606580380445	2720.965790881024	2736.371427326093	42904938978000956	13.644717132931883
622	1502	10882	42859.18586730335	890737.3170250766	39.3221194387071	-100.6617249	356738.36578744873	4353728.50262154	2908.87352300044671	2748.4822023306477	2737.646300317683	4284856125581906	10.83617717297176
623	1503	10883	42859.38586730335	890737.3170250766	39.32210263524196	-100.6596929	356809.37864436687	4353724.516840322	2911.0777178464624	2749.0203497781104	2749.0203497781104	27363109882591466	10.065348393267528
624	1504	10884	40238.8586730335	890737.3170250766	39.321106541618846	-100.6572772	357140.3913629411	4353725.9502600875	2913.21931876095	2745.487108195644	2737.5824839351212	27332689044321165	11.640024736397991
625	1505	10885	40898.8586730335	890737.3170250766	39.3221037292883	-100.6549454	357341.4030433747	4353716.536638438	2915.36118590723	2744.00418818835	2718.21301342708	272928071181409123	11.634116771792626
626	1506	10886	41558.8586730335	890737.3170250766	39.3211006991167	-100.6526135	357542.1438587386	4353714.541843867	2917.503719	2742.6163120991687	2718.0255200736514	25.890792921517277	16.8638192132713193
627	1507	10887	42218.8586730335	890737.3170250766	39.3221081042074	-100.6502817	357743.428690414	4353708.5566886	2914.749203841257	2741.21963185525	2717.7888192333804	2718.38484	23.42514395214804
628	1508	42878.8586730335	890737.3170250766	39.32105196602656	-100.647949	357944.4005857883	4353706.56708926	2907.097297124519	2739.829613268225	2717.717787848626	2712.5845163667506	22.11733558339883	20.884317933916316
629	1509	42878.8586730335	890737.3170250766	39.3210622474189	-100.645818	358145.4528878068	4353704.516840322	2908.44674	2739.469878514457	2717.65282968989	2716.0345882911228	2736326001735552	20.43491767566974
630	1510	10890	44198.8586730335	890737.3170250766	39.3210925338954	-100.6432862	358364.4648805379	4353696.58	2891.795806982	2737.123148013547	2717.693749720509	2713.855696897794	23.7345565008455
631	1501	10891	44588.8586730335	890737.3170250766	39.32106621489081	-100.6405644	358547.4667634319	4353692.59529339	2887.60686194529	2735.8098149567436	2717.6954731420077	2714.831617833582	21.77030052781647
632	1502	45518.8586730335	890737.3170250766	39.32108313090199	-100.6386226	358748.4882556217	4353688.610771612	2887.642122921443	2734.509365777226	2717.065408032434	2715.876790352876	17.4439675088242	18.53266182435273
633	1503	10893	46178.8586730335	890737.3170250766	39.3211006991167	-100.6362907	358949.4987383099	4353684.62210344	2887.3284036677553	2733.8863504085493	2714.7687107783927	26.0002569712025	18.4596229
634	1504	10894	46838.8586730335	890737.3170250766	39.3210767796425	-100.6339569	359150.5110847022	4353682.63765584	2887.205069374386	2731.72617333694	2709.4830545607947	27.14121030237104	22.48317127899403
635	1505	10895	47498.8586730335	890737.3170250766	39.3210736897966	-100.6316271	359351.522295005	4353676.64540322	2885.32049674967	2730.726067	2708.1725991903187	27.08084584	25.637688269815
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637	1507	10897	48818.8586730335	890737.3170250766	39.32106705318215	-100.6269634	359753.5543	4353664.6611262	2874.27135189008	2728.268728766148	2709.554007445426	27.0768579887584	30.71472130271765
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641	1501	51458.8586730335	890737.3170250766	39.3210534808381	-100.6176361	360567.5887103756	4353662.72007894	2870.895602079912	2723.4603245156874	2682.8487260430914	2681.6283331780163	40.611674259587	37.050175352641
642	1502	5218.8586730335	890737.3170250766	39.3210534808381	-100.6153403	361788.5989777773	4353663.7267371	2870.8956179307265	2678.812622278056	2681.126130735068	43.4656597	41.478640350587	37.15916612984405
643	1503	52718.8586730335	890737.3170250766	39.3210622474189	-100.612724	361894.6027128319	4353662.934949854	2869.53991215457	2723.03458119456	2684.4218458119456	2684.4218458119456	41.014252229412	47.8614705079096
644	1504	53438.8586730335	890737.3170250766	39.321046071005	-100.610408	361160.6170974305	4353640.75993879	2863.94459452095	2719.934318393134	2675.07291186947	2687.4818263485745	46.04106570482382	32.45249219123489
645	1505	54098.8586730335	890737.3170250766	39.32103894016775	-100.6083088	361361.62859809157	4353636.73366223	2860.109107	2718.7692311167234	2673.2915730004956	2683.43113	45.4776681162276	25.3311827598935
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666	1506	67958.8586730335	890737.3170250766	39.32095147	-100.5593405	365582.8034312035</							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SurfHtLogKrg.ft	SurfHtBoth.ft
7	15	11107	-366881.1413	891397.3170250766	39.161040184397316	-102.0959697	233085.3806615396	4356420.41009417	3934.780177777087	3780.325094732822	3732.3537717586625	3733.138298	37.81771214159526	47.1867978
8	15	11108	-366321.1413	891397.3170250766	39.160655205343115	-102.0936381	233266.5174495304	4356416.30056447	3933.914723568139	3778.969350338715	3728.415904536239	3729.237029421651	50.35513067474888	49.7320602873649
9	15	11109	-365861.1413	891397.3170250766	39.160181125812	-102.091368	233487.6377375871	4356412.191234081	3933.86231038627	3778.45260294787	3728.548691838735	3729.744691174482	52.1085422304327	52.1085422304327
10	15	11110	-365001.1413	891397.3170250766	39.1611511214221	-102.0889754	233688.78983298485	4356408.02099214	3932.17787148937	3776.2693134417	3720.936963969447	3721.835415196436	53.18695733472465	54.17106307374733
11	15	11111	-364341.1413	891397.3170250766	39.161399799541	-102.0866439	233889.925625687	4356403.97159878	3930.7554377887404	3774.8999442836575	3717.8134685694357	3718.331195424293	57.165256614221784	56.56874885373187
12	15	11112	-363681.1413	891397.3170250766	39.1616438817635	-102.0843125	234091.0611559887	4356400.641062	3928.772322779373	3773.542818572753	3714.3500228904654	3714.3714370932772	59.19526526787314	58.56130778448086
13	15	11113	-363021.1413	891397.3170250766	39.1618963460882	-102.081891	234292.19642721541	4356395.75867757	3926.7910967617355	3772.191531237896	3711.3436904862416	3711.351235450245	60.8478075147445	60.37629573771817
14	15	11114	-362621.1413	891397.3170250766	39.1621433636885	-102.079649	234483.3143131431	4356391.647154959	3924.8890712563324	3770.838444184914	3708.5444119015893	3708.964356362316	62.2890322832456	61.84330854688232
15	15	11115	-362101.1413	891397.3170250766	39.16239610979584	-102.0774181	234684.466	4356387.53857664	3923.58234286744	3769.485662802585	3706.941611425613	3706.4882538517107	63.64485173731925	62.99740858882648
16	15	11116	-361041.1413	891397.3170250766	39.1626357170565	-102.0748986	234895.6006497774	4356383.431	3921.151151004673	3768.13259314747	3703.547903048904	3704.215554264926	64.5848625493821	63.9170387779957
17	15	11117	-360381.1413	891397.3170250766	39.1628837	-102.0726552	235096.734664582	4356379.32329543	3922.686803334907	3766.778023230776	3701.31921595837	3702.14182787844	65.8100107263904	64.63815835423207
18	15	11118	-359721.1413	891397.3170250766	39.16312938097916	-102.0703237	235297.8688163202	4356375.210683709	3922.23784069514	3765.420739800266	3699.627127188491	3700.2790114169193	65.7936216177776	65.1472838334935
19	15	11119	-359061.1413	891397.3170250766	39.16337346370201	-102.0679922	235499.0250622066	4356371.010857348	3920.909266920118	3764.058657146118	3697.759273589385	3698.3354831107	66.29941959199745	65.7231740395116
20	15	11120	-358401.1413	891397.3170250766	39.1636194	-102.0656508	235700.1335352225	4356367.01504353	3918.7039319168	3762.864186219814	3695.9103699115585	3696.371097397222	66.7760871402296	66.50934822475938
21	15	11121	-357741.1413	891397.3170250766	39.16386379816166	-102.063239	235901.2699897444	4356362.89451910	3916.498957572459	3761.300527339547	3694.118903145096	3694.404881562074	67.7891172513718	66.89959607757277
22	15	11122	-357081.1413	891397.3170250766	39.1641170232609	-102.060978	236102.402020919	4356358.781730032	3914.293262328223	3759.89967401171106	3692.3758116194216	3692.6240837395104	67.5238572209412	67.255902749071
23	15	11123	-356421.1413	891397.3170250766	39.1643511580456	-102.0586664	236303.5346377025	4356354.8136498	3911.894335840481	3758.477683	3690.667863240335	3690.841266872962	67.9808169924624	67.6304234
24	15	11124	-355761.1413	891397.3170250766	39.1645941625148	-102.0563439	236504.667203981	4356350.57473804	3909.635145102853	3757.0247615363783	3689.0963707490796	3689.521129657472	67.9283907872967	67.53533138363053
25	15	11125	-355101.1413	891397.3170250766	39.16483871666816	-102.0540034	236705.7991424924	4356346.48653738	3907.209248979297	3755.5275545479817	3687.529348488077	3687.9999481533414	67.99820469917404	67.52776639464032
26	15	11126	-354441.1413	891397.3170250766	39.165078205054	-102.0516719	236906.9310008476	4356342.36258202	3905.767174549174	3753.9701342918906	3686.550491574601	3686.760681645302	68.299421548961	66.93027559150616
27	15	11127	-353781.1413	891397.3170250766	39.16532047402575	-102.049304	237108.0625970505	4356337.2566716835	3901.6931673342886	3752.347279992072	3685.449358814603	3686.3614	68.68853718	66.018934580184
28	15	11128	-353121.1413	891397.3170250766	39.1655671	-102.047009	237308.1936342257	4356334.15100278	3897.83462535703	3750.60796859736	3684.7006237515484	3685.263292824044	68.956592981878	65.34439340733161
29	15	11129	-352461.1413	891397.3170250766	39.1658123638	-102.044361	237505.0549180334	4356329.782981953	3914.530265378454	3749.2197357268428	3684.791357268428	3684.9201299	69.7553454892015	68.54401473596475
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31	15	11131	-351141.1413	891397.3170250766	39.1662825858508	-102.0400145	237912.5868417604	4356321.835421348	3892.412031296985	3746.8019285095274	3681.165563893005	3691.382700592714	67.8355181165307	67.91158181624703
32	15	11132	-350481.1413	891397.3170250766	39.166521986980	-102.037683	238113.7177766627	4356317.6258617	3900.835374015827	3742.879401809076	3678.213394906866	3688.694529184716	64.6660029021003	64.1848726436065
33	15	11133	-349821.1413	891397.3170250766	39.166760385912	-102.0353515	238314.84681395924	4356313.6596471765	3909.257817001796	3740.824089824053	3678.999303867149	3687.99335840527716	63.73893378959033	63.5370871328141
34	15	11134	-349161.1413	891397.3170250766	39.1669994398818	-102.03302	238515.976590044	4356309.351503107	3917.680259987673	3738.749699740833	3671.540630242883	3683.51174826744	67.20933949795653	62.9186252816941
35	15	11135	-348501.1413	891397.3170250766	39.1672349488261	-102.0306876	238717.1061887824	4356305.735167152	3916.299983484556	3737.838468748556	3669.733576955525	3682.92666240472123	63.92666240472123	62.9186252816941
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37	15	11137	-347181.1413	891397.3170250766	39.16771224182896	-102.0260256	239119.364679668	4356297.290343068	3908.8354916042203	3732.49526311796	3657.962162197374	3687.066271813298	64.56938641442348	64.4293085
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39	15	11139	-345861.1413	891397.3170250766	39.1681851915208	-102.0213626	239521.621591326	4356289.002213112	3907.527360489509	3728.350931759746	3650.048154652574	3688.301078207654	74.3051179	64.049855351980505
40	15	11140	-345201.1413	891397.3170250766	39.1684200988284	-102.0190311	239722.7948167022	4356284.89894139	3905.55832787319	3726.394139686521	3656.116130940665	3685.02339205024	71.17808970445444	64.2706464349709
41	15	11141	-344541.1413	891397.3170250766	39.168665399216	-102.016896	239933.877825634	4356280.7956448	3904.442592619474	3724.248987488438	3659.40825628601	375.9376144	64.84106194	62.77347396
42	15	11142	-343881.1413	891397.3170250766	39.16890123638	-102.014361	240125.0549180334	4356282.932981953	3903.799946454505	3722.2197357268428	3658.791357268428	3684.9201299	65.7553454892015	68.54401473596475
43	15	11143	-343221.1413	891397.3170250766	39.16912568702	-102.012068	240326.1329434372	4356272.59	3904.004247167478	3720.240584012934	3654.945058518705	3685.51373546065	63.6988146568872	63.6988146568872
44	15	11144	-342561.1413	891397.3170250766	39.1693596850952	-102.0097051	240527.2601374277	4356268.487806413	3916.07477232757	3718.206958239457	3654.29402026221	3658.05732355513	63.5412355672452	60.1313247
45	15	11145	-341901.1413	891397.3170250766	39.169593228372	-102.0073736	240728.387047381	4356264.85510991	3918.109122991235	3716.225733686778	3651.07180349032	3643.30056207314	55.1894352577416	72.92517666
46	15	11146	-341241.1413	891397.3170250766	39.1698263302541	-102.005042	240929.5137349425	4356260.28410064	3920.143473649123	3714.262086682202	3657.689993158354	3629.73818909052	56.5270973584464	64.5239071961628
47	15	11147	-340581.1413	891397.3170250766	39.1700587735425	-102.002705	241130.6401775976	4356258.18509109	3920.918376975797	3712.31424083817125	3654.4279467899138	3622.794679899138	71.8889579178325	89.5217448425735
48	15	11148	-339921.1413	891397.3170250766	39.1702917411101	-102.00039	241331.7665444142	4356252.08	3917.179252435091	3709.3893442212916	3651.332930415296	3642.18156379587	80.05641356657933	84.475166531793
49	15	11149	-339261.1413	891397.3170250766	39.1705241666004	-101.998716	241532.740913063	4356248.876963121	3911.870723710484	3706.590094881645	3645.969117504456	3626.16581057207	80.6901743093493	80.42427611428257
50	15	11150	-338601.1413	891397.3170250766	39.17075421666004	-101.9963345	241735.1403371515	4356235.757839347	3909.050144661131	3704.717682193984	3643.1780635486244	3628.6841115552044	61.6396186441592	76.2495706377946
51	15	11151	-337941.1413	891397.3170250766	39.1709850624441	-101.994015	241935.264801884	4356232.65	3906.183253743333	3702.86356508285	3640.817810387488	362		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEvLogsKgt	BRIEvBothKgt	SatHtLogs	SatHtBoth
130	151	11133	-288281.1413	891397.31720250766	39.18838919123842	-101.8021954	58426.57480071141	43559094.147	3751.46731024217	34.59.5566210081306	3419.698587001403	3452.785269741078	12.59.850340062774	96.76836403402285
131	151	11134	-286161.1413	891397.31720250766	39.18855737653996	-101.7998638	58927.67947617103	43559094.062546732	3748.2751450336655	3547.36530250779	3414.376253062378	3437.4376251419804	13.20677625840108	110.10940417898794
132	151	11135	-285011.1413	891397.31720250766	39.18876962963766	-101.7952322	58688.76482362447	4355896.97798946	3744.1834748530965	3545.817116673925	3409.708769820276	333.101416673925	13.3009647022676	120.6973496868581
133	151	11136	-281941.1413	891397.31720250766	39.1889069627671	-101.7952005	58928.87897294337	4355891.80347624	3739.212373	3543.6625980556231	3405.285980556231	3401.5659175835692	14.02.99341354358	140.093941354358
137	151	11137	-281811.1413	891397.31720250766	39.1891537883756	-101.7928689	58920.992375569	4355887.808890599	3734.233070888226	3541.7227848583655	3400.964895058482	3389.530040933872	14.05.42891534813	152.1927752184929
138	151	11138	-280521.1413	891397.31720250766	39.1893447445458	-101.7905373	59494.026865782902	4355883.72477146	3725.2268960715	3539.792532089814	3396.8541859018846	3372.636996032467	14.22.9336406709672	163.15257647661467
139	151	11139	-279861.1413	891397.31720250766	39.1895359589913	-101.7882056	59633.20064026393	4355879.604758878	3726.0442495927	3537.86713243545	3393.46258378235	3361.186868256106	14.41.3574289723301	176.684461834941
140	151	11140	-279201.1413	891397.31720250766	39.1897272487334	-101.785874	59834.303985084	4355875.556895242	3724.607739	3535.87041117847	3391.4634402300837	3345.924567601114	14.51.105774767340	190.094547473585
141	151	11141	-278541.1413	891397.31720250766	39.1899170384621	-101.7835424	60005.40719244708	4355871.4734062385	3722.171051869386	3534.89746520123	3390.556174699186	3333.111116695178	15.02.528948924447	203.6873185849447
142	151	11142	-277881.1413	891397.31720250766	39.191059937460	-101.7812107	60262.51016595454	4355867.30021857	3721.73436725144	3532.217516243574	3396.965151647354	3352.78579463108	15.25.22201597012	170.425769933968
143	151	11143	-277221.1413	891397.31720250766	39.1910263176373	-101.7787891	60437.4128957058	4355863.306828089	3723.04248621472	3530.364361567843	3404.717800632626	3382.34259564226	15.65.62659361699	148.021852003169
144	151	11144	-276561.1413	891397.31720250766	39.19104828116326	-101.7765474	60638.7153920589	4355859.224	3727.0414292078367	3528.5292843183897	3413.445950657299	3421.060816115478	11.04.0943366109078	116.46848282091194
145	151	11145	-275901.1413	891397.31720250766	39.19067379432425	-101.7742158	60839.81765187102	4355851.10436371	3731.0583586012601	3526.716242062341	3424.956283721467	3459.647076761361	11.04.0943366109078	86.76558369309765
146	151	11146	-275241.1413	891397.31720250766	39.19100619	-101.7718842	61040.91967514914	4355851.08434008	3735.07534939637	3524.136523945614	3435.36794014028	3461.37437695749	11.04.0943366109078	63.53971914888115
147	151	11147	-274581.1413	891397.31720250766	39.19104946954984	-101.7695525	61242.2201	4355845.96019029	3735.75844734114	3523.135257706155	3444.9636555130437	3469.164891	11.04.0943366109078	37.937026489
148	151	11148	-273921.1413	891397.31720250766	39.19112366	-101.7672209	61443.12013404408	4355842.984	3733.1108005605474	3521.371364717404	3452.79230204988	3466.1783253050953	11.04.0943366109078	55.1957841127045044
149	151	11149	-273261.1413	891397.31720250766	39.191423343115	-101.7648892	61644.22432881003	4355838.11780003	3732.0542153970581	3519.638789889346	3457.84339593332	3462.1967148115257	11.04.0943366109078	57.37005447408944
150	151	11150	-272601.1413	891397.31720250766	39.19136096404224	-101.7625576	61845.3254806228	4355834.729652341	3727.81570282313	3517.904535488603	3459.676784364396	3454.753727	11.04.0943366109078	63.15080834290302
151	151	11151	-271941.1413	891397.31720250766	39.1917954156061	-101.7602259	62046.4625302257	4355830.648319239	3725.40039902564	3516.1946271238453	3459.167677126123	3472.2889738217106	11.04.0943366109078	68.9056533867466
152	151	11152	-271281.1413	891397.31720250766	39.1919807762193	-101.7578943	62247.5266627753	4355826.56688006	3723.2254901813334	3514.4926117491203	3457.58790187346	3446.913385	11.04.0943366109078	67.5887648048033
153	151	11153	-270621.1413	891397.31720250766	39.1921656864305	-101.7556626	62448.06273267514	4355822.405867203	3721.04563780102	3512.81591929769	3455.800292801656	3447.291973890661	11.04.0943366109078	65.5238135330781
154	151	11154	-269961.1413	891397.31720250766	39.1923501462911	-101.753231	62648.7273761086	4355818.4586373	3718.867976	3511.143349162978	3453.90071164749	3444.879414984465	11.04.0943366109078	62.2639412214429
155	151	11155	-269301.1413	891397.31720250766	39.1924489525776	-101.750877	62845.104952561	4355813.32322527	3716.796438179243	3499.38619737182	3440.168991427378	3438.591467097147	11.04.0943366109078	58.258429130412
156	151	11156	-268641.1413	891397.31720250766	39.192717749057	-101.7485677	63051.9295174116	4355810.2430718355	3715.0359100156	3507.383796532844	3450.611402707981	3449.03777651378	11.04.0943366109078	57.222235486741
157	151	11157	-267981.1413	891397.31720250766	39.193008236555	-101.746236	63235.26382384447	4355806.163	3718.2064723368	3506.204828636073	3449.0962438521	3450.438907430903	11.04.0943366109078	55.7659019205708
158	151	11158	-267321.1413	891397.31720250766	39.1930384204345	-101.7439043	63454.1259081486	4355802.082334527	3717.37403466072	3504.89192072672	3447.598959349587	3453.6124958186	11.04.0943366109078	56.9893321771352
159	151	11159	-266661.1413	891397.31720250766	39.19326569005774	-101.7415727	63655.224556559	4355802.0527628	3717.92841	3502.89368400287	3445.3893487760974	3457.7894069296	11.04.0943366109078	55.9998063373151
160	151	11160	-266001.1413	891397.31720250766	39.1934474	-101.739241	63856.323949372	4355793.92237319	3716.89591755452	3501.40497445628	3443.9772261869	3453.5425364272148	11.04.0943366109078	54.8627480296114
161	151	11161	-265341.1413	891397.31720250766	39.19362875030535	-101.7368684	64057.916585777	4355791.6586577	3716.796438179243	3499.38619737182	3440.168991427378	3438.591467097147	11.04.0943366109078	53.9594643338384
162	151	11162	-264681.1413	891397.31720250766	39.1938261196754	-101.7345777	64250.1021658264	4355785.76191937	3714.772172191136	3498.294707093050	3436.94554889754	3442.981278	11.04.0943366109078	52.9812322737536
163	151	11163	-264021.1413	891397.31720250766	39.1939900184985	-101.732246	64459.6180180656	4355783.68392867	3713.217007	3496.7463925162892	3433.65807745687	3447.2313042226	11.04.0943366109078	51.9433682078663
164	151	11164	-263361.1413	891397.31720250766	39.19417	-101.7299147	64646.7160058052	4355778.60478364	3711.27644970525	3495.220828479935	3430.38927978084	3431.8491366080752	11.04.0943366109078	63.37294623391629
165	151	11165	-262701.1413	891397.31720250766	39.1943494804453	-101.7275827	64861.8136	4355773.52587316	3709.335891051169	3493.710702	3428.2208048466007	3428.1641943315	11.04.0943366109078	65.54869501875519
166	151	11166	-262041.1413	891397.31720250766	39.1945283586014	-101.725251	65062.9190143594	4355769.44716712	3707.39579311181	3492.21149493634	3428.789166704375	3417.119484126978	11.04.0943366109078	63.4285077525913
167	151	11167	-261381.1413	891397.31720250766	39.1947041400298	-101.7229194	65264.008027651	4355765.36841565	3705.78614842595	3490.723007357007	3430.94836945443	3408.8953819421868	11.04.0943366109078	59.7830709112636
168	151	11168	-260721.1413	891397.31720250766	39.19488525776	-101.720587	65465.104952561	4355761.20114845	3704.654569007147	3489.241919	3430.4842956315	3407.41670597147	11.04.0943366109078	58.258429130412
169	151	11169	-260061.1413	891397.31720250766	39.195062998685	-101.718256	65632.26382384447	4355757.2182565	3703.107725	3487.7617605466	3428.7699917580423	3428.73945237068	11.04.0943366109078	56.99771462759835
170	151	11170	-259401.1413	891397.31720250766	39.1952402537908	-101.7159244	65867.297495211	4355753.13446611	3701.7807938716846	3486.2978991395344	3426.640932754853	3426.594971025303	11.04.0943366109078	55.9659636481255
171	151	11171	-258741.1413	891397.31720250766	39.19541705733926	-101.7135927	66068.3841296374	4355749.0552021162	3698.831540474068	3484.81554074068	3424.915124765452	3424.915124765452	11.04.0943366109078	55.9659636481255
172	151	11172	-258081.1413	891397.31720250766	39.1955934105134	-101.711261	66269.490786938	4355744.97852182	3696.351405255227	3483.6426025712	3423.4994315762983	3423.4994315762983	11.04.0943366109078	55.9659636481255
173	151	11173	-257421.1413	891397.31720250766	39.1957693131284	-101.7089293	66460.5879690510	4355740.90159734	3695.180798439523	3481.96138636038	3422.30410762978	3422.30410762978	11.04.0943366109078	55.9659636481255
174	151	11174	-256761.1413	891397.31720250766	39.19594476776374	-101.7065377	66671.6812845457	4355736.8243712	3694.061984435825	3480.4426566258	3421.032498919458	3421.032498919458	11.04.0943366109078	55.9659636481255
175	151	11175	-256101.1413	891397.31720250766	39.19612216221863	-101.704277	66879.3425944747	4355732.15217675	3692.931521758147	3480.4426566258	3421.032498919458	3421.032498919458	11.04.0943366109078	55.9659636481255
176	151	11176	-255441.1413	891397.31720250766	39.1962943	-101.7019374	67073.81758444	4355728.60709913	3690.201344600153	3477.68485383794	3418.014073287893	3420.7725701581828	11.04.0943366109078	54.927780501146
177	151	11177	-254781.1413											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevBoth.fg	SatnThLogs.f	SatnThBoth.f
25	151	11259	-200661.1413	891397.3170250766	39.20992120678702	-101.5808414	283763.9767	435339.9075540237	3503.350121419522	3387.376117938054	3312.0552856108015	75.203323725245	70.9653279139809
260	151	11260	-200001.1413	891397.3170250766	39.20934876668727	-101.5060697	283965.0530915785	435336.98179211006	3396.336179211006	3385.448074825714	3310.828636	73.1204751048541	71.20050772403056
261	151	11261	-199891.1413	891397.3170250766	39.20946855565932	-101.5037378	284166.129826714	435332.854794046	3496.322267	3393.458369584034	3309.03360534569	74.4224140345645	71.4714583034811
262	151	11262	-199681.1413	891397.3170250766	39.20960260737182	-101.5014601	284367.20529327646	435337.994711581	3481.409729307343	3386.993150142415	3309.961576283442	74.91245289673149	71.8561575380209
263	151	11263	-199621.1413	891397.3170250766	39.2097562415317	-101.4990744	284568.2810754621	435337.734822841	3488.202650187665	3379.29412126206	3304.3526783466725	74.91244781533344	72.42034819997208
264	151	11264	-197361.1413	891397.3170250766	39.2098911589438	-101.4967426	284769.3566454778	435337.6157127285	3486.005318176623	3371.1203408508654	3301.4785722875376	74.91244781533344	73.20948519002371
265	151	11265	-196701.1413	891397.3170250766	39.2100256259542	-101.4944108	284910.4320035293	435336.6152625393	3483.80759176643	3374.88829206303	3298.78854262016	73.0609693660	74.1922298080203
266	151	11266	-196041.1413	891397.3170250766	39.2101596425623	-101.4920791	285171.5071498197	435336.565318956	3481.610691711642	3372.6021514621084	3296.54874613155	73.0609693660	74.2019113183369
267	151	11267	-195381.1413	891397.3170250766	39.21029267652	-101.4897475	285372.5690455576	435335.8972050985	3478.527660278472	3369.267693910464	3292.927745787472	73.0609693660	74.2019113183369
268	151	11268	-194721.1413	891397.3170250766	39.210425345713	-101.4874155	285573.6568079409	435334.5438	3478.950149049335	3367.847502458303	3288.3748027191447	73.0609693660	74.2019113183369
269	151	11269	-194061.1413	891397.3170250766	39.2105888997166	-101.4850838	285774.7331018483	435333.97558411	3474.9505857183165	3365.47852496237	3283.68827779454	73.0609693660	74.2019113183369
270	151	11270	-193401.1413	891397.3170250766	39.2106919240968	-101.482752	285975.8056214879	435334.261025062	3472.222079382387	3363.045034973221	3278.01083436991	73.0609693660	74.2019113183369
271	151	11271	-192741.1413	891397.3170250766	39.2108222695526	-101.4804202	286176.897120566	435334.262688467	3464.74429850025	3360.63036673926	3272.468650193151	73.0609693660	74.2019113183369
272	151	11272	-192081.1413	891397.3170250766	39.21200543	-101.4780885	286377.953590298	435334.264541015	3463.07341573361	3358.1806514720233	3265.7879239189206	73.0609693660	74.2019113183369
273	151	11273	-191421.1413	891397.3170250766	39.2110851475394	-101.4757567	286579.0272618166	435334.26891913	3464.37054957303	3355.865468709396	3260.05374367655	73.0609693660	74.2019113183369
274	151	11274	-190761.1413	891397.3170250766	39.211155609216	-101.4734249	286780.10071214169	435330.088831015	3461.70369730043	3353.9201068710415	3260.148445837053	73.0609693660	74.2019113183369
275	151	11275	-190101.1413	891397.3170250766	39.2113455238983	-101.471031	286881.1379911035	435330.61296519	3459.5732929429	3352.39769546406	3263.0213512999876	73.0609693660	74.2019113183369
276	151	11276	-189441.1413	891397.3170250766	39.2114750364726	-101.4687614	287182.7401101832	435331.97395643	3457.979351248359	3351.0122774916595	3265.69450408394	73.0609693660	74.2019113183369
277	151	11277	-188781.1413	891397.3170250766	39.2116040986241	-101.4664296	287383.3198415615	435331.97187395	3456.385451	3349.639305245405	3267.9480263658747	73.0609693660	74.2019113183369
278	151	11278	-188121.1413	891397.3170250766	39.2121737100436	-101.4640978	287584.3924627423	435331.85973476	3454.791468	3348.426519431544	3269.903419115289	73.0609693660	74.2019113183369
279	151	11279	-187461.1413	891397.3170250766	39.21216898717244	-101.46176	287785.4648748309	435330.802944754	3453.706758168815	3347.29072285201	3271.177556588943	73.0609693660	74.2019113183369
280	151	11280	-186801.1413	891397.3170250766	39.2119885871917	-101.4594343	287986.5710780343	435330.764834547	3453.13123332744	3346.040446795616	3271.191301687179	73.0609693660	74.2019113183369
281	151	11281	-186141.1413	891397.3170250766	39.21219232337	-101.4571083	288091.526046808	435330.947204983	3449.5155346	3344.914367781948	3271.128475826217	73.0609693660	74.2019113183369
282	151	11282	-185481.1413	891397.3170250766	39.2122653136014	-101.4547707	288388.0868560004	435329.67336371	3451.98016372061	3343.82865835454	3272.735008872604	73.0609693660	74.2019113183369
283	151	11283	-184821.1413	891397.3170250766	39.21236903134018	-101.4524389	288589.7524363756	435329.77702682	3451.76486076778	3342.776486076778	3273.1050172040025	73.0609693660	74.2019113183369
284	151	11284	-184161.1413	891397.3170250766	39.212494924637	-101.4501071	288790.823806049	435329.521898623	3451.793740792696	3341.759267149521	3273.397662106754	73.0609693660	74.2019113183369
285	151	11285	-183501.1413	891397.3170250766	39.21262038138464	-101.4477754	288991.8949679332	435328.466	3445.367899503935	3340.768456961574	3273.5686770562445	73.0609693660	74.2019113183369
286	151	11286	-182841.1413	891397.3170250766	39.2127453899863	-101.4454346	289122.9659221271	435328.410383197	3442.872668901525	3339.7975053749805	3273.6854657939352	73.0609693660	74.2019113183369
287	151	11287	-182181.1413	891397.3170250766	39.2128698898995	-101.4431718	289354.0366878234	435327.68955819	3440.27158581918	3338.941764744503	3273.731385	73.0609693660	74.2019113183369
288	151	11288	-181521.1413	891397.3170250766	39.212994055765	-101.440775	289595.130543693	435327.305034369	3437.668498079408	3337.916289526926	3273.924804574594	73.0609693660	74.2019113183369
289	151	11289	-180861.1413	891397.3170250766	39.213107130565	-101.4384842	289796.1776047842	435326.926	3435.06160246977	3336.999928548923	3273.505574696195	73.0609693660	74.2019113183369
290	151	11290	-180201.1413	891397.3170250766	39.2132440919937	-101.4361164	289947.27466107	435326.91028904	3432.067553067483	3335.0675307623	3273.366278493424	73.0609693660	74.2019113183369
291	151	11291	-179541.1413	891397.3170250766	39.2133636764145	-101.4337846	290198.3176854072	435326.136661659	3429.50424287326	3333.208010530787	3272.5625400845142	73.0609693660	74.2019113183369
292	151	11292	-178881.1413	891397.3170250766	39.2134859248115	-101.4314529	290399.387397917	435325.078	3426.18801028709	3334.33113691005	3271.91193744639574	73.0609693660	74.2019113183369
293	151	11293	-178221.1413	891397.3170250766	39.2136078381387	-101.4291211	290600.459604373	435325.028677304	3422.871676291676	3333.488131765012	3271.22346656554	73.0609693660	74.2019113183369
294	151	11294	-177561.1413	891397.3170250766	39.2137252337	-101.426783	290801.526046808	435324.947204983	3420.9155346	3332.917209404527	3270.57159927408	73.0609693660	74.2019113183369
295	151	11295	-176901.1413	891397.3170250766	39.2138501962274	-101.4244575	291002.5962951253	435324.820677748	3419.58016372061	3331.798381936723	3270.93031462596	73.0609693660	74.2019113183369
296	151	11296	-176241.1413	891397.3170250766	39.213970702579	-101.4221257	291203.6641814677	435324.607	3417.135721	3330.96663014236	3270.439832999567	73.0609693660	74.2019113183369
297	151	11297	-175581.1413	891397.3170250766	39.2140907566786	-101.4197393	291404.738716815	435323.61821727	3409.961474120915	3330.152023711283	3270.74121704268	73.0609693660	74.2019113183369
298	151	11298	-174921.1413	891397.3170250766	39.2142103602844	-101.4174621	291605.80135002406	435322.767082235	3408.76108477368	3329.3662151356307	3271.37515896433	73.0609693660	74.2019113183369
299	151	11299	-174261.1413	891397.3170250766	39.21438592134903	-101.4151033	291806.8662837885	435322.70789579	3406.312535954048	3328.97323626481	3272.329339587795	73.0609693660	74.2019113183369
300	151	11300	-173601.1413	891397.3170250766	39.2144482162609	-101.4127895	292007.93190716257	435322.655063689	3402.53749946163	3327.846101712739	3273.7834190018652	73.0609693660	74.2019113183369
301	151	11301	-172941.1413	891397.3170250766	39.214569466612	-101.4104718	292202.86904672	435322.6148331247	3400.9155346	3326.94184533623	3273.942586991596	73.0609693660	74.2019113183369
302	151	11302	-172281.1413	891397.3170250766	39.2146827075006	-101.4081349	292410.0732155155	435322.16555	3398.98847277753	3326.388516683093	3273.7255118571705	73.0609693660	74.2019113183369
303	151	11303	-171621.1413	891397.3170250766	39.21480216221888	-101.4058031	292611.1406710361	435322.148606463	3397.13152494221	3325.681438120929	3273.28587925174	73.0609693660	74.2019113183369
304	151	11304	-170961.1413	891397.3170250766	39.2149185	-101.4034713	292812.20725342	435322.044609508	3395.193116995874	3324.760244553226	3281.678615394752	73.0609693660	74.2019113183369
305	151	11305	-170301.1413	891397.3170250766	39.21503497407186	-101.4011395	293013.274807729	435322.034	3393.254701048958	3324.301737268938	3284.34086910221	73.0609693660	74.2019113183369
306	151	11306	-169641.1413	891397.3170250766	39.215151	-101.3988077	293214.3418144716	435321.3024770438	3391.31628590237	3323.619925	3284.61475436336	73.0609693660	74.2019113183369
307	151	11307	-168981.1413	891397.3170250766	39.215265243086	-101.3964759	293415.408551815	435321.1651398508	3389.041281754668	3322.931817123826	3277.67582685196	73.0609693660	74.2019113183369

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SurfElev.f	SatHt.f
357	1511385	-117501.1413	891397.3170250766	39.222289168198246	-101.2145935	909997.9999940793	4354880.879610383	331.889185045613	4142.439892029586	3106.817870535695	3109.6918118932613	35.62210398	32.748170136697354
358	1511386	-116841.1413	891397.3170250766	39.22227815487355	-101.2126217	305929.0481259684	4354866.784342429	313.921635535028	4139.4833257694186	3139.728673637446	3106.5563795048748	35.7249746714533093	32.729746714533093
359	1511387	-116181.1413	891397.3170250766	39.22235116526165	-101.208628	308600.9962571296	4354872.807827247	313.921738355411	4139.689873276933	3136.321763555411	3102.6692016307035	35.828873	32.6281027473761
358	1511388	-115521.1413	891397.3170250766	39.22231302300907	-101.207598	309701.150108464	4354868.771348428	325.615318375222	4137.734235190866	3099.2663504704737	3182.8009445514339	33.98801367047827	32.98801367047827
388	1511389	-114861.1413	891397.3170250766	39.222320884643304	-101.2052661	309902.20077327697	4354864.736	332.1250583232693	4130.578927422975	3094.514209461628	3090.175102523485	36.0447138	34.361912718789976
390	1511390	-114201.1413	891397.3170250766	39.22232810114781	-101.2029343	310103.2512517756	4354866.700948261	328.6271252922603	4127.595845747601	3093.1461317724005	3093.570537	34.49171398	34.025309303450045
391	1511391	-113541.1413	891397.3170250766	39.2223367260961	-101.2006024	310304.3015441645	4354866.665749033	318.15991594513	4124.605463827337	3090.106554257796	3090.47752520057	34.5047509551474	34.12220132528036
392	1511392	-112881.1413	891397.3170250766	39.22234419902864	-101.1982706	310505.3516504695	4354852.631	315.567734333636	4121.606447094835	3087.3898847212345	3087.38987367515	34.2174623731044	34.2257011831997
393	1511393	-112221.1413	891397.3170250766	39.22235116526165	-101.1959387	310706.4015714365	4354846.596639748	318.975227685633	4118.598873276933	3086.172866127136	3084.787817466107	34.1268218654467	34.6281027473761
394	1511394	-111561.1413	891397.3170250766	39.22235616738416	-101.1936909	310907.4513067187	4354844.561487359	3310.383012007075	4115.584174276702	3082.299189156306	3082.299189156306	33.5512270379371	33.5512270379371
395	1511395	-110901.1413	891397.3170250766	39.22236718029134	-101.191275	311108.5008567169	4354840.527104679	3307.806571	4112.5610021160323	3078.64825870543	3079.604515384113	33.2174034648922	33.2174034648922
396	1511396	-110241.1413	891397.3170250766	39.222374562477034	-101.1889432	311309.5502516327	4354836.492914089	3305.245671	4109.528797896356	3076.971519532805	3077.1234641562025	33.2527836108508	33.2527836108508
397	1511397	-109581.1413	891397.3170250766	39.22238215548213	-101.1866113	311510.5994016684	4354836.498162115	3302.684771735205	4106.4850514565715	3073.209627986273	3073.209627986273	33.27544238796851	33.27544238796851
398	1511398	-108921.1413	891397.3170250766	39.2223891164441	-101.1842795	311711.64839702845	4354828.4251110135	3300.123872	4103.428995667024	3066.85157747476075	3066.85157747476075	33.31831190949176	33.31831190949176
399	1511399	-108261.1413	891397.3170250766	39.22239702276597	-101.1819476	311912.6970792637	4354791.3914984865	3297.3601154515263	4100.3638991473637	3059.6133503906335	3059.6133503906335	33.34597465973021	33.34597465973021
400	1511400	-107601.1413	891397.3170250766	39.2224043884036	-101.1796158	312113.7458345487	4354820.35807834	3294.39031300199	4102.212545897566	3052.26185154285	3052.26185154285	33.37451186410241	33.37451186410241
401	1511401	-106941.1413	891397.3170250766	39.222411709874025	-101.1772839	312314.7942771177	4354816.324851442	3291.422688714952	4101.515858507273	3045.484465788448	3045.484465788448	33.4071200827299	33.4071200827299
402	1511402	-106281.1413	891397.3170250766	39.2224189586482	-101.1749521	312515.8425353236	4354807.291816905	3288.46027291485	4101.07831916618	3038.741644006249	3038.741644006249	33.4327149131257	33.4327149131257
403	1511403	-105621.1413	891397.3170250766	39.222426216812715	-101.1726202	312716.890610898	4354808.258970514	3286.19406441335	4100.9478373379934	3032.13706173832	3031.991786376623	33.4581081526165	33.4581081526165
404	1511404	-104961.1413	891397.3170250766	39.222433240271768	-101.1702883	312917.9385	4354800.326235758	3284.704288	4100.7983008809	3026.2309498005	3026.2309498005	33.48677810220408	33.48677810220408
405	1511405	-104301.1413	891397.3170250766	39.22244054379724	-101.1679565	313118.986219086	4354800.19369132	3283.189513282	4100.629678101055	3020.9387810216185	3020.9387810216185	33.51498771648954	33.51498771648954
406	1511406	-103641.1413	891397.3170250766	39.22244769339824	-101.1656246	313320.037326214	4354796.161605128	3281.67140497176506	4100.4110241504	3017.129530486727	3017.125437	33.5417519453138	33.5417519453138
407	1511407	-102981.1413	891397.3170250766	39.22245484017495	-101.1633076	313524.6800751238	4354792.381149827	3280.23273256587	4100.238102400478	3014.238420040178	3014.238420040178	33.56897426843456	33.56897426843456
408	1511408	-102321.1413	891397.3170250766	39.22246195509125	-101.160909	313722.123283666	4354780.07659461	3280.52878109749	4100.209524056254	3011.110326460912	3011.073296543072	33.5929154053414	33.5929154053414
409	1511409	-101661.1413	891397.3170250766	39.22246842484969	-101.158629	313923.17521616904	4354780.06596951	3280.36036765873	4100.7010852523	3008.542217037177	3008.437905404454	33.6189714880505	33.6189714880505
410	1511410	-101001.1413	891397.3170250766	39.2224757224551	-101.1562972	314124.2201144043	4354780.304147456	3280.13829524263	4100.5615425160812	3005.9679657910183	3005.733321	33.642917813462513	33.642917813462513
411	1511411	-100341.1413	891397.3170250766	39.22248242484969	-101.1539653	314325.26862470293	4354776.0037141185	3280.06825426063	4100.248071453763	3003.190875776247	3002.691731393082	33.669593136912915	33.669593136912915
412	1511412	-99681.1413	891397.3170250766	39.22248928441085	-101.1516333	314526.3150561632	4354771.972065706	3280.15051392624	4100.96866222329	3000.525576061229	3000.7390658	33.684430901160992	33.684430901160992
413	1511413	-99021.1413	891397.3170250766	39.22249644892876	-101.1493016	314727.3613067187	4354770.36148927	3280.22273256587	4100.738102400478	3000.238102400478	3000.238102400478	33.70929170874064	33.70929170874064
414	1511414	-98361.1413	891397.3170250766	39.22250371449457	-101.1469937	314929.317445774	4354769.13402508	3280.3134713261594	4100.542302215964	3000.0681095717194	3000.0681095717194	33.7280505893312	33.7280505893312
415	1511415	-97701.1413	891397.3170250766	39.22250947483607	-101.1446379	315129.45326178195	4354769.89955735	3280.2460151412	4100.40522606587	3000.623442862563	3000.83008221192	33.74817973909236	33.74817973909236
416	1511416	-97041.1413	891397.3170250766	39.22251612022831	-101.142306	315330.490680213	4354758.78955502	3280.2801579726305	4100.41236101646	3000.727637373585	3000.7276373585	33.7694652482743	33.7694652482743
417	1511417	-96381.1413	891397.3170250766	39.22252272057416	-101.1399741	315531.5446	4354751.81490806	3279.805554	4100.4381328833446	3000.715981977854	3000.401693215107	33.787379390236	33.787379390236
418	1511418	-95721.1413	891397.3170250766	39.22252975787675	-101.1376423	315722.5893849973	4354747.78945632	3279.585309906077	4100.4530259976993	3000.93365709463	3000.93365709463	33.8081181201993	33.8081181201993
419	1511419	-95061.1413	891397.3170250766	39.2225367861394	-101.1353704	315933.683103875	4354743.759899576	3277.001058855114	4100.470640748594	3000.801307944594	3000.801307944594	33.8286334043139	33.8286334043139
420	1511420	-94401.1413	891397.3170250766	39.22254382135297	-101.132978	316134.6800751238	4354740.31149827	3275.2272025085	4100.45861261	3000.42226041303	3000.42226041303	33.8497705200421	33.8497705200421
421	1511421	-93741.1413	891397.3170250766	39.222549875126356	-101.130647	316335.7290150811	4354737.700752184	3274.0824202145	4100.4408910784737	3000.5105841983274	3000.5105841983274	33.86923987321656	33.86923987321656
422	1511422	-93081.1413	891397.3170250766	39.2225550466556	-101.1283148	316536.7695	4354731.672	3262.57162413043	4100.431920212097	2998.986210975611	2998.983434253501	33.889421595877	33.889421595877
423	1511423	-92421.1413	891397.3170250766	39.222561376743614	-101.125983	316737.8139618704	4354732.742537862	3279.585309906077	4100.4530259976993	3000.93365709463	3000.93365709463	33.9081181201993	33.9081181201993
424	1511424	-91761.1413	891397.3170250766	39.22256768178747	-101.1236511	316938.582277008	4354733.61780165	3265.6290471463417	4100.5846635162	2995.265366112647	2995.265366112647	33.928614622196	33.928614622196
425	1511425	-91101.1413	891397.3170250766	39.22257390177881	-101.1213912	317139.9023414927	4354735.981574442	3262.607097003623	4100.71954363582	2993.9811581727877	2993.9811581727877	33.9487705200421	33.9487705200421
426	1511426	-90441.1413	891397.3170250766	39.222580096459564	-101.118976	317340.946221585	4354751.55671791	3249.585146853714	4100.738102400478	2993.241688239467	2993.241688239467	33.969295398471	33.969295398471
427	1511427	-89781.1413	891397.3170250766	39.222586220049415	-101.116628	317549.317445774	4354749.31149827	3249.585146853714	4100.738102400478	2993.241688239467	2993.241688239467	33.9897705200421	33.9897705200421
428	1511428	-89121.1413	891397.3170250766	39.222592531531036	-101.1143226	317743.0335017138	4354707.500512003	3249.585146853714	4100.738102400478	2993.241688239467	2993.241688239467	34.0097705200421	34.0097705200421
429	1511429	-88461.1413	891397.3170250766	39.2225984115887	-101.1119918	317944.0787391376	4354703.473	3249.3302426	4100.8726817814	2986.128132026324	2986.139416284866	34.029334355143	34.029334355143
430	1511430	-87801.1413	891397.3170250766	39.222604									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKgf.	BRElevBothKgf.	SatHtLogsKgf.	SatHtBothKgf.
511	151151	-34341.14133	891397.3170250766	39.32294203419398	-00.92077275	334429.04632796557	4354373.8442094645	131.3367515665124	2927.394132412922	2920.9908932947915	2921.06617277908	34.0334081913045	36.3279574801394	
512	151152	-33681.14133	891397.3170250766	39.32294355045193	-00.9184456	334380.075148846	4354369.832314713	3108.727710004677	2956.0488131953097	2917.780978415295	2917.83757053072507	38.267058478009554	38.267058478009554	
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523	151163	-26421.14133	891397.3170250766	39.32296618971938	-00.8927948	336841.3871841781	4354325.71415754	3083.296898219526	2940.78621268889	2880.672575300382	2880.786621433404	60.7421398345489	60.7421398345489	
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556	151196	-4641.141327	891397.3170250766	39.32300189502415	-00.8158424	343475.207654794	4354193.48759571	3040.08240465113						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIElevLogK.f	BRIElevBotK.f	SatHLogK.f	SatHBot.f
63	151	11637	48818.8586730335	89139.3170250766	-00.6265991	39.32287978507212	05975.5349256111	4338689.85297926	2817.9178586308264	2727.39273519553	2695.850958	2698.9466995214903	31.54175947311287	28.445783998143725
638	151	11638	48447.8586730335	89139.3170250766	-00.6266372	39.3287645	55998.5452594442	4338685.865179382	2868.9616042239523	2726.179701700378	2692.983711221298	2695.5801846423946	31.18539047979616	30.271517057983147
639	151	11639	48138.8586730335	89139.3170250766	-00.6266594	39.3287303136791	56019.5589620524	4338681.877101158	2867.498229897435	2717.812484682933	2692.836406897521293	2693.3478161404336	34.3535894965627	31.6375835362828
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641	151	11641	41548.8586730335	89139.3170250766	-00.6266963	39.322666047488685	56016.6176316	4338651.902329654	2865.971573433478	2722.5828348847876	2682.6815283799283	2684.53746795372	39.90130650485935	38.40518809
642	151	11642	42118.8586730335	89139.3170250766	-00.6267297	39.32262652683424	56012.5152997	4338672.586946972	2865.0828146724944	2721.3909714128013	2677.991802	2682.67847906928	40.2472698345123	42.95619240857348
643	151	11643	42778.8586730335	89139.3170250766	-00.6267983	39.3226858343445	56011.629878	4338663.566243563	2863.5384529	2720.2199460187	2675.8644890440414	2680.7018625400144	44.35705192818242	39.52013250774574
644	151	11644	53438.8586730335	89139.3170250766	-00.6106359	39.32285358841666	56114.6063195964	4338642.94383616	2858.6647248732815	2719.0499363092813	2674.024991936373	2684.728019832	45.0244437298087	34.23120828849426
645	151	11645	54098.8586730335	89139.3170250766	-00.608304	39.32265166920034	56135.5651889119343	4338637.855918164	2858.66229897435	2717.812484682933	2692.836406897521293	2693.3478161404336	34.3535894965627	31.6375835362828
646	151	11646	54738.8586730335	89139.3170250766	-00.6059722	39.322847452503	56156.5255607307	4338633.969634304	2850.69935215844	2716.715671805587	2693.75867676392	2691.85350714796355	24.86216432596514	31.86216432596514
647	151	11647	55418.8586730335	89139.3170250766	-00.6034043	39.32284421480114	56176.6349027807	4338629.938506315	2850.63423613472	2715.5519276958685	2687.261789621141	2690.2947820832214	48.29015807455235	25.125714647037
648	151	11648	56078.8586730335	89139.3170250766	-00.6228041	39.3228401	56198.6441632367	4338625.997655343	2838.174061173906	2714.387090624777	2665.106893583165	2683.96788274633	49.27840248	30.39946078784747
649	151	11649	56738.8586730335	89139.3170250766	-00.6228365	39.32283650222186	562169.6532905513	4338620.0196223	2832.8121996014018	2713.21996014018	2662.9490742339553	2675.512239871	50.278890619269	35.70478152765956
650	151	11650	57398.8586730335	89139.3170250766	-00.5966446	39.3228326536716	56230.626248555	4338618.02649665	2826.461369229424	2712.049706169545	2660.9875557098085	2671.877460440064	51.06215045973566	40.1724257288818
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653	151	11653	58378.8586730335	89139.3170250766	-00.589649	39.32282071	56293.7884717721	4338606.071055273	2815.206827804979	2708.51463496905	2654.8250909529415	2664.9271021692734	53.6895859306494	42.75677643312
654	151	11654	60038.8586730335	89139.3170250766	-00.5873171	39.32281365510286	563174.696036034	4338602.96304873	2811.97609070584	2707.37093368774	2651.807215480703	2665.82893558275	54.197778809129	41.4980951356656
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656	151	11656	61358.8586730335	89139.3170250766	-00.5826533	39.32280835031985	563576.713468893	4338594.117375615	2807.8014108740447	2704.373111005885	2645.594615052307	2656.987098958234	60.2473385534822	47.9494022033167
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661	151	11661	64658.8586730335	89139.3170250766	-00.5709839	39.322786480080195	564581.7550202638	4338594.117375615	2804.751386601	2700.876021845398	2648.9008434571065	2637.360113240386	59.687738829207	61.510582135994
662	151	11662	65318.8586730335	89139.3170250766	-00.568662	39.32278241370143	564782.7599164508	4338591.251159551	2805.1152685526	2697.642624517555	2652.1049341006387	2640.293483984963	54.53802351117636	57.3495130225912
663	151	11663	65978.8586730335	89139.3170250766	-00.5663302	39.32277793327908	564983.7672	4338596.22132488	2804.857730005612	2696.410872793854	2652.1978170601183	2639.751539858435	56.6537914915445	56.6537914915445
664	151	11664	66638.8586730335	89139.3170250766	-00.5639833	39.322774781312	565184.7743539966	4338592.24927781	2803.97345110996	2695.1746353172475	2649.6936037969485	2636.567884023583	56.40781652096884	58.0648127471222
665	151	11665	67298.8586730335	89139.3170250766	-00.5616664	39.32276885732054	565385.191777846	4338593.13196741	2803.97345110996	2695.1746353172475	2649.6936037969485	2636.567884023583	56.40781652096884	58.0648127471222
666	151	11666	67958.8586730335	89139.3170250766	-00.559345	39.3227645102602	565593.284788710277	4338594.117375615	2802.74053741965437	2702.74053741965437	2642.4096621956114	2642.4096621956114	60.6517850163187	54.8289046617757
667	151	11667	68618.8586730335	89139.3170250766	-00.5570208	39.32275956115388	565779.7950316318	4338593.13196741	2802.74053741965437	2702.74053741965437	2642.4096621956114	2642.4096621956114	60.6517850163187	54.8289046617757
668	151	11668	69278.8586730335	89139.3170250766	-00.5546708	39.32275458551367	56598.8016715093	4338593.13196741	2802.74053741965437	2702.74053741965437	2642.4096621956114	2642.4096621956114	60.6517850163187	54.8289046617757
669	151	11669	69938.8586730335	89139.3170250766	-00.5523389	39.3227504108296	56619.88087175872	4338592.38	2802.74053741965437	2702.74053741965437	2642.4096621956114	2642.4096621956114	60.6517850163187	54.8289046617757
670	151	11670	70598.8586730335	89139.3170250766	-00.550007	39.3227453091268	56639.81846	4338593.365027905	2803.31208593146	2703.73404538269	2643.396253037213	2648.90541	61.037913380125	56.6537914915445
671	151	11671	71258.8586730335	89139.3170250766	-00.5476781	39.32274048381267	5665981.8200821267	4338594.117375615	2804.7736871709913	2703.73404538269	2643.396253037213	2648.90541	61.037913380125	56.6537914915445
672	151	11672	71918.8586730335	89139.3170250766	-00.5453324	39.32273582517566	56679.9238217828	4338596.22132488	2802.74053741965437	2702.74053741965437	2642.4096621956114	2642.4096621956114	60.6517850163187	54.8289046617757
673	151	11673	72588.8586730335	89139.3170250766	-00.5430714	39.3227305316731	56693.8831047653	4338593.13196741	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
674	151	11674	73238.8586730335	89139.3170250766	-00.5406795	39.3227255755976	56719.8388783416	4338592.38	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
675	151	11675	73898.8586730335	89139.3170250766	-00.5383476	39.32272065841164	567395.8446140309	4338594.117375615	2801.69329	2680.8937110883583	2651.174675341102	2651.733033638262	61.7109547256357	65.160470249601
676	151	11676	74558.8586730335	89139.3170250766	-00.5360157	39.32271558882286	567596.5022202334	4338594.117375615	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
677	151	11677	75218.8586730335	89139.3170250766	-00.5336839	39.3227104779114	56779.8570527525	4338596.22132488	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
678	151	11678	75788.8586730335	89139.3170250766	-00.531352	39.3227057211952	56798.8010553416	4338596.22132488	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
679	151	11679	76458.8586730335	89139.3170250766	-00.529025	39.3227004515102	56819.8388783416	4338593.13196741	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380125
680	151	11680	77128.8586730335	89139.3170250766	-00.5266882	39.3226948745311	56839.813136465	4338596.22132488	2800.38931	2700.003743732508	2644.462652664756	2635.3796504509545	56.6254784547521	61.037913380

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	LatBothKrg.ft	LatBothKrg.ft
22	152	11763	-356421.1413	892057.3170250766	39.181247702417494	-102.058978	236307.6493845908	436555.958198834	3906.922958177258	37.5175234643654	3690.592533	3691.7171307772736	66.72270173758398	65.60392867903504
24	152	11764	-355761.7413	892057.3170250766	39.1822702348391	-102.056361	236508.7815608124	436555.878047475	3904.74727153261	37.553748879988	3689.385411415958	3690.030493	65.64519134720381	65.80729159806879
25	152	11765	-355191.1413	892057.3170250766	39.18296259917895	-102.054043	236709.9134757267	436547.772462085	3911.071861700846	37.58431636520647	3687.87374759112252	3688.0702058467	65.68115761871877	65.85115761871877
26	152	11766	-354441.1413	892057.3170250766	39.1832047051853	-102.051703	236911.0451297061	436530.665784356	3900.396351052673	37.572738434	3687.043537063096	3687.298951987206	65.6945957946037	65.4485823
27	152	11767	-353781.7413	892057.3170250766	39.1834643648664	-102.0493715	237112.1765227883	436535.3916971236	3901.09762836783	37.51092401066855	3685.921565195871	3686.438174936155	65.7083587099432	65.44622613071496
28	152	11768	-353121.1413	892057.3170250766	39.18368757421894	-102.04704	237310.3565723575	436535.453844625	3895.08076197863	37.4936268281433	3685.161054087174	3685.3452213411374	64.2028087542959	64.204064300594
29	152	11769	-352461.1413	892057.3170250766	39.1839283332423	-102.0447084	237514.4382721513	436531.348168615	3892.27109554111	37.4756677726515	3684.697792086616	3685.042122	62.6888565798975	62.52445559639494
30	152	11770	-351801.1413	892057.3170250766	39.1841686419361	-102.042379	237715.5691390426	436527.2431	3889.45593029259	37.4569530402755	3684.255494189023	3684.6515331174904	61.4007362385314	60.880498678951246
31	152	11771	-351141.1413	892057.3170250766	39.184406804191	-102.040045	237916.696997917	436523.13740181	3887.474865966554	37.4367767067124	3683.01868703856	3683.7071186377156	61.4996998667754	61.0693832
32	152	11772	-350481.1413	892057.3170250766	39.1846479084524	-102.0377138	238117.829827553	436519.103241291	3885.3271707800072	37.4174987618193	3679.1590711947423	3679.284264550595	62.63588042	61.5107471162433
33	152	11773	-349821.1413	892057.3170250766	39.184888661547	-102.035822	238318.9595151064	436514.932741483	3880.180456	37.397789672307143	3676.3045524219373	3678.30692016212724	63.8478017687	60.482746196341905
34	152	11774	-349161.1413	892057.3170250766	39.1851253735253	-102.0330507	238520.089080538	436510.82270318	3905.03201009912	37.376019515664	3673.5818771435543	3689.1602257071803	64.112432710966	64.60262187584364
35	152	11775	-348501.1413	892057.3170250766	39.185363305647	-102.0307191	238721.2184018052	436506.78127182	3905.348736939814	37.3572393131924	3670.997128226504	3689.768012	64.7268909864201	64.55529657667245
36	152	11776	-347841.1413	892057.3170250766	39.1856010727116	-102.0283876	238922.34754566414	436502.6139107915	3901.127063968102	37.3367918860107	3668.617560695704	3689.8705402998404	64.581166502031	64.389091469070354
37	152	11777	-347181.1413	892057.3170250766	39.1858391936455	-102.026066	239123.4762552395	436498.50939595	3896.90544044545	37.31635294627268	3666.694765314801	3690.87373620696	64.50052719512956	64.7956411756307
38	152	11778	-346521.1413	892057.3170250766	39.1860746996864	-102.0237245	239324.047899327	436494.058381459	3892.683717190978	37.295369234869	3665.584717533585	3692.061329	64.0002148928355	63.53406330928986
39	152	11779	-345861.1413	892057.3170250766	39.1863111553936	-102.0213289	239525.733089506	436490.32160396	3892.044627421017	37.27562146796724	3664.9861059967136	3694.62909381487	63.6750408099236	63.293224008675945
40	152	11780	-345201.1413	892057.3170250766	39.1865469067672	-102.0190614	239726.8610897968	436486.19836255	3894.92762527017	37.25538108852954	3664.498311959253	3690.28458645059	61.0372669	62.9616119823649
41	152	11781	-344541.1413	892057.3170250766	39.1867823158058	-102.0167296	239927.98858232	436482.90530848	3897.83070068152	37.232526500452608	3664.5093724927738	3680.783511720626	60.9162185	62.74868892
42	152	11782	-343881.1413	892057.3170250766	39.1870172239916	-102.0143983	240129.11635780922	436477.99217518	3890.7336396177	37.21261706329916	3664.744491568759	3671.2817149781638	56.78167056232765	50.244451614807965
43	152	11783	-343221.1413	892057.3170250766	39.1872517	-102.0120667	240320.2436538248	436473.88926855	3903.96427368128	37.19154684963716	3664.5496785114524	3667.62184529064	54.7799042091447	54.7799042091447
44	152	11784	-342561.1413	892057.3170250766	39.187485789105	-102.0097351	240531.3705950756	436469.78464062	3907.5216105739815	37.1736580877256	3662.740859259177	3655.82373477428	54.53282651907744	54.53282651907744
45	152	11785	-341901.1413	892057.3170250766	39.187719111	-102.0074063	240749.497238696	436465.824817334	3911.265230245267	37.15421551009758	3661.8251009758	3655.82373477428	54.53282651907744	54.53282651907744
46	152	11786	-341241.1413	892057.3170250766	39.1879523359561	-102.005072	240933.623804347	436461.58194348	3914.635376857267	37.13670376113084	3656.546777795225	3629.058814853925	51.402798317555	64.8261761459158
47	152	11787	-340581.1413	892057.3170250766	39.188184888886	-102.0027404	241134.75002425534	436457.49438617	3915.486407386246	37.1170093934873	3653.1960909694735	3621.142191398268	50.39545402	50.39545402
48	152	11788	-339921.1413	892057.3170250766	39.1884171916731	-102.0004089	241335.87598714663	436453.37477756	3913.629072046764	37.0973005296504	3649.974155982007	3622.92744224964	50.9884931449615	66.9005417015392
49	152	11789	-339261.1413	892057.3170250766	39.1886848401955	-101.9980773	241537.0016937169	436449.426	3911.771410820074	37.07934473017155	3646.923439464583	3623.1153652071	61.07007846132285	61.07007846132285
50	152	11790	-338601.1413	892057.3170250766	39.1888804602078	-101.9957457	241738.1274417317	436445.17442427	3909.941401706493	37.0613239022293	3644.0530234905	3621.97111663395	62.0748998738791	82.34127358
51	152	11791	-337941.1413	892057.3170250766	39.1891111	-101.9934141	241939.2523871987	436441.02727646	3907.694761641835	37.042961715124	3641.39484	3626.1980174294	78.180738974945	78.180738974945
52	152	11792	-337281.1413	892057.3170250766	39.189341499025	-101.991026	242139.727715423	436437.05158909	3905.0277857807	37.0229191133947	3638.7915191149015	3628.65535	61.07007846132285	61.07007846132285
53	152	11793	-336621.1413	892057.3170250766	39.18957145001676	-101.988751	242341.5019609052	436432.87005133	3902.380828956938	37.00662489167038	3636.0625045291237	3625.57188256257	60.422038758007	75.0909263544064
54	152	11794	-335961.1413	892057.3170250766	39.189804194	-101.9864194	242542.6238683053	436428.78917147	3899.7368776924115455	36.983744068772347	3625.905752638235	63.7307067321079	72.9701241771298	72.9701241771298
55	152	11795	-335301.1413	892057.3170250766	39.1900300097524	-101.9840878	242743.750561928	436424.66924048	3897.17139934434	36.967112082852233	3633.0842348206547	3626.82367225017	60.0278480045657	70.2882066
56	152	11796	-334641.1413	892057.3170250766	39.19025080094335	-101.9817563	242944.8748201356	436419.586827089	3894.351655731138	36.9536419047066	3631.104079262026	3627.7149252026	67.155472089552	67.155472089552
57	152	11797	-333981.1413	892057.3170250766	39.1904805056953	-101.9794247	243145.9981434216	436416.46828577	3891.941561116404	36.93401561116404	3628.184032569	3627.4310553307187	64.526267897124	66.209107892174
58	152	11798	-333321.1413	892057.3170250766	39.1907144498537	-101.9771093	243347.121523359	436412.3681872	3891.238230245267	36.91421551009758	3661.8251009758	3626.1980174294	67.155472089552	67.155472089552
59	152	11799	-332661.1413	892057.3170250766	39.19094169875568	-101.9747615	243548.2470703205	436408.268987565	3889.4258466578327	36.89241892815476	3625.406434334417	3621.860839269164	64.8354786	68.3809382249014
60	152	11800	-332001.1413	892057.3170250766	39.1911684973946	-101.9724299	243749.367076543	436404.169	3887.25363115414	36.8685673104615	3623.703458992828	3621.93511582162	64.9603013523692	69.1272422992898
61	152	11801	-331341.1413	892057.3170250766	39.1913943465504	-101.9700983	243950.4902540507	436400.969771521	3880.08142320709	36.84694621320709	3621.73773762542	3616.169386451942	65.158855851492	70.7252246651488
62	152	11802	-330681.1413	892057.3170250766	39.1916202435623	-101.9677767	244151.61264751462	436395.97054656	3876.9009215563074	36.8252921799671	3619.682497148827	3611.148632152015	65.5504245	70.4842894676508
63	152	11803	-330021.1413	892057.3170250766	39.191848191302	-101.9654351	244352.73477818218	436391.81516982	3874.121601123276	36.80319819888565	3617.04488847883	3611.00147804877	65.124941117316	72.5757919179741
64	152	11804	-329361.1413	892057.3170250766	39.192071188334	-101.9631036	244553.8567361144	436387.77280731	3868.715526294341	36.7853025294341	3614.880502569843	3609.4231847494313	67.056177774495	72.5018445420993
65	152	11805	-328701.1413	892057.3170250766	39.19229407692315	-101.9607815	244756.986723215	436383.67043877	3866.423794272693	36.7643130438577	3612.936438577	3607.43130438577	68.3809382249014	68.3809382249014
66	152	11806	-328041.1413	892057.3170250766	39.1925188317642	-101.9584404	244959.0968757926	436379.8159541063	3865.9185611005	36.74825685254513	3609.651085067176	3604.7004616773776	73.91559745209584	73.91559745209584
67	152	11807	-327381.1413	892057.3170250766	39.1927437795115	-101.9561088	245157.22081552197	436375.77526213	3855.27062666969	36.7267976961223	3606.9330181134283	3603.91122943678	70.4036148	73.625103235427
68	152													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
149	152	11189	-27261.1413	892057.3170250766	39.2095489964946	-101.7649132	161648.31431345905	4356040.08058814	3729.51485134956	35.12932058024557	3452.1941439841585	3459.331220090945	37.1289142329722	59.991838108410775
150	152	11189	-27260.1413	892057.3170250766	39.20937615617292	-101.7629818	161849.414200223	4356036.30239512	3727.2809440120054	35.17564178917543	3454.2620418881717	3453.712094698928	37.30176003402812	63.85208421981724
151	152	11189	-27261.1413	892057.3170250766	39.2099161790436	-101.7620486	162650.514	4356012.921165265	3728.034235162618	35.09187462709844	3447.645720708943	3447.645720708943	61.74803336509855	68.1761565320469
152	152	11892	-272181.1413	892057.3170250766	39.2101073	-101.7579181	162251.6153372586	4356017.90936764	3722.7747201700504	35.10443020107013	3455.507233744532	3445.627105840034	60.58706532569109	68.467214229197907
153	152	11893	-270621.1413	892057.3170250766	39.2102923	-101.7555864	162452.7515083244	4356023.758021001	3720.5152066429355	35.12793208737229	3452.3230927	3443.4726737943784	60.05828171839903	68.9065342428061
154	152	11894	-269691.1413	892057.3170250766	39.210476762595	-101.7532547	162653.8154467396	4356016.7547600695	3718.255945156862	35.10167584915702	3450.771710408543	3441.070628178053	59.43001386765233	67.7002970190112
155	152	11895	-269301.1413	892057.3170250766	39.2106607404429	-101.7509229	162854.9514646966	4356015.95655604	3717.08475993924	35.0858660075047	3449.267677115959	3440.92829300133	59.1792895454564	68.05707637037162
156	152	11896	-268641.1413	892057.3170250766	39.2108443	-101.7489912	163056.0161392224	4356011.517450975	3710.70305951627	35.07310566737376	3447.867511808081	3449.0356639676246	59.4430621049239	64.32763199574047
157	152	11897	-267891.1413	892057.3170250766	39.2110274176687	-101.7462596	163257.1138742424	4356007.4346911985	3706.9211423101653	35.055852651448	3446.45259	3446.4525966178375	59.2726257965188	60.657816038811546
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162	152	11902	-264681.1413	892057.3170250766	39.2119362291482	-101.7346009	164262.066068999	4355987.03308181	3714.103137945787	34.9762481317377	3437.406491899744	3440.635715699975	61.2238719716334	56.794230140171
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171	152	11911	-258741.1413	892057.3170250766	39.2135497155554	-101.7136982	166072.43745262	4355930.347444262	3700.89342588747	34.8395425128827	3421.15339100325	3421.15339100325	61.745111517097	73.5445093111016
172	152	11912	-258081.1413	892057.3170250766	39.2137301	-101.7112837	166273.5744907028	4355946.26493584	3698.565215491977	34.8166992947061	3421.84005326482	3421.78970378595	60.7265452237924	60.7265452237924
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175	152	11915	-256101.1413	892057.3170250766	39.21421644438898	-101.7042885	166876.8603443529	4355934.01482838	3686.70786320555	34.781300895712	3417.3803616787454	3417.3803616787454	60.7493921666595	60.7493921666595
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177	152	11917	-254781.1413	892057.3170250766	39.21458910578954	-101.699625	167279.768919554	4355925.981927705	3675.967942776954	34.7515781108954	3415.62749779654	3415.62749779654	60.8982798823581	60.8982798823581
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179	152	11919	-253461.1413	892057.3170250766	39.2149419660397	-101.6949515	167681.2386027685	4355917.70000506	3667.5384477416306	34.7216539472502	3415.047914356113	3415.047914356113	61.7148308136925	56.75039791184464
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191	152	11931	-245541.1413	892057.3170250766	39.21699736858572	-101.6670828	170098.7054957012	4355872.88025239	3638.67619250054	34.5412814494388	3371.15339100325	3371.15339100325	83.09802798823581	83.09802798823581
192	152	11932	-244881.1413	892057.3170250766	39.21711524540582	-101.664648	170295.4410234526	4355873.32329415	3637.61268366282	34.5330623262197	3369.833224484364	3369.833224484364	84.330471311389	83.9000111387326
193	152	11933	-244221.1413	892057.3170250766	39.2173193445506	-101.6623171	170466.532146529	4355860.65831265	3636.18257572					

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatHtA988	SatHtBoth.f	
275	152	12015	-19001.1413	892057.3170250766	39.322947258821536	-101.4711098	268685.2375006994	4355527.276965705	3463.9495664932167	3260.0003681451472	3259.580906256165	3259.653782580688	91.0194788888246	90.9466033647927
276	152	12016	-18944.1413	892057.3170250766	39.322960214009136	-101.468778	287186.1530362574	4355523.210481118	3462.8412736968068	3249.798097623813	3262.76701702226	3262.906572316286	91.563880915617	86.29896523076574
277	152	12017	-18879.1413	892057.3170250766	39.322973116950576	-101.465461	287387.3629663046	4355519.104341253	3461.72569861819	3248.571059412283	3268.671276739857	3265.5371868793	92.914621689927	92.46380712066009
278	152	12018	-18812.1413	892057.3170250766	39.32298597845035	-101.464113	287588.4553819777	4355515.208411460	3460.728847655697	3346.727847571277	3268.632932	3267.469878318164	90.1397412287428	79.203735157427
279	152	12019	-18746.1413	892057.3170250766	39.32299879482195	-101.4617825	287789.52749042025	4355511.047812633	3459.50871077667	3346.5966517311726	3267.763758317756	3267.852758697937	77.8292758939709	78.25160505
280	152	12020	-18680.1413	892057.3170250766	39.323011596342856	-101.4594507	287990.599657623	4355509.951015025	3458.385675914117	3344.472145106305	3268.527067266022	3268.0315543095318	75.9465672458173	76.4402602
281	152	12021	-18614.1413	892057.3170250766	39.323024292722025	-101.4571188	288191.6713873917	4355502.93407381	3457.2624180411956	3343.95211290896	3268.5509640200233	3270.513004	74.8447472886289	72.8827075891622
282	152	12022	-18548.1413	892057.3170250766	39.32303697405941	-101.454787	288362.74297163176	4355496.877992611	3456.139203841907	3342.3619245170394	3268.326764541106	3271.33080620625	73.0316806232873	70.98237317498784
283	152	12023	-18482.1413	892057.3170250766	39.323049610355956	-101.4524561	288593.816470695	4355494.821771643	3455.046568822817	3341.347598942424	3268.572727679857	3271.787028148769	71.787028148769	67.108943472853283
284	152	12024	-18416.1413	892057.3170250766	39.3230622106389	-101.4501233	288794.885144465	4355490.75744435	3454.084410654304	3340.38529419564	3269.773308459273	3273.1681240220095	70.624965496936	67.23012519
285	152	12025	-18350.1413	892057.3170250766	39.32307474782089	-101.4477915	288956.5563793137	4355493.97910089	3453.22845253136	3339.45724959216	3269.901497801981	3269.588	69.555771574061	69.9487446808166
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287	152	12027	-18218.1413	892057.3170250766	39.323099794511929	-101.4431278	289398.0978	4355478.598825353	3441.913538	3337.634865604074	3269.903262260851	3269.771232831442115	67.73124093792218	67.3110425896262
288	152	12028	-18152.1413	892057.3170250766	39.323112442256276	-101.4407959	289599.1682074303	4355474.543571138	3439.082373710838	3336.74243998428	3269.6491441019666	3270.402077167356	67.098099896416	66.34536827016
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309	152	12049	-16766.1413	892057.3170250766	39.323362343459565	-101.3918721	293821.59778017283	4355389.284081589	3389.049784746393	3320.44072633394	3269.058184692515	3269.058184692515	61.3884541754748	61.3884541754748
310	152	12050	-16700.1413	892057.3170250766	39.3233743544633	-101.3894963	294022.6619010773	4355385.37072339	3387.84791915217	3319.471541067142	3267.9512110971645	3267.9512110971645	64.872171608322781	64.872171608322781
311	152	12051	-16634.1413	892057.3170250766	39.32338613950696	-101.3871633	294223.723274474	4355381.2625252	3386.1951920338	3318.31615773304	3268.997156136228	3271.24796492717	61.31909863382304	61.31909863382304
312	152	12052	-16568.1413	892057.3170250766	39.32339646965455	-101.3848315	294424.794662515	4355377.25260233	3383.571426105112	3316.93945612134	3271.415354221299	3272.007103973807	64.7850918908361	64.7850918908361
313	152	12053	-16502.1413	892057.3170250766	39.32340774585995	-101.3824996	294625.858884756	4355372.22050934	3385.188186071755	3315.35084	3275.978553230688	3276.00664123272	74.852175533974	74.852175533974
314	152	12054	-16436.1413	892057.3170250766	39.3234189467494	-101.3801678	294826.9249065344	4355369.17496794	3386.8018942498	3313.5983242265147	3270.514006551183	3272.0412983622454	63.0842335139645	63.0842335139645
315	152	12055	-16370.1413	892057.3170250766	39.323430189621405	-101.3778359	295027.98972897575	4355365.12469759	3385.188186071755	3311.73671869737	3273.2486589150327	3273.2486589150327	62.86201590106679	62.86201590106679
316	152	12056	-16304.1413	892057.3170250766	39.32344133952351	-101.375504	295229.65434576915	4355361.07137016	3388.4074834150617	3309.8071876436318	3271.784643669	3271.784643669	60.7934059119461	60.7934059119461
317	152	12057	-16238.1413	892057.3170250766	39.32345264493966	-101.3731823	295430.91620425835	4355350.214023535	3386.502400889365	3308.502400889365	3270.50400327174	3270.50400327174	64.872171608322781	64.872171608322781
318	152	12058	-16172.1413	892057.3170250766	39.32346350240548	-101.3708043	295631.18297586552	4355345.976050441	3384.091431001737	3305.834767668695	3271.24796492717	3271.24796492717	61.31909863382304	61.31909863382304
319	152	12059	-16106.1413	892057.3170250766	39.3234745									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
401	152	11241	-106941.1413	892057.3170250766	39.324224446873416	-101.772933	131218.83236249525	4355017.5460430905	3289.487496312733	3044.620120509026	3045.100193348108	3044.8787373104856	49.74136274854022
402	152	11242	-106281.1413	892057.3170250766	39.324231725049759	-101.749614	131259.88041974197	435501.5314266447	3286.336363185017	3051.5004373215093	3038.07817000311	3037.8443201198415	43.65601026429015
403	152	11243	-105621.1413	892057.3170250766	39.32423891620968	-101.726298	131270.9282635484	435501.478093647	3283.872335	3059.1277100147086	3031.1666074925517	3031.1666074925517	57.19343365345555
404	152	11244	-104961.1413	892057.3170250766	39.324246142270255	-101.702976	131272.91579835177	435500.14578671	3282.103596718677	3085.2071636506416	3025.109680989726	3025.109680989726	60.077175551691304
405	152	11245	-104301.1413	892057.3170250766	39.3242538331441	-101.679586	1313123.024904566	435500.14333353	3280.3348570773023	3082.0320404242034	3019.7543983480546	3019.7544065632035	62.2776426714882
406	152	11246	-103641.1413	892057.3170250766	39.32426037931446	-101.656337	1313324.0708413704	435500.1881288208	3278.566117739095	3087.148416466266314	3015.6295354257322	3017.907063891074	63.20931753681936
407	152	11247	-102981.1413	892057.3170250766	39.32426743	-101.633018	1313525.117955347	435500.349635689	3277.55215524272	3075.629112738367	3012.5858849531182	3012.5858849531182	63.22776426714882
408	152	11248	-102321.1413	892057.3170250766	39.324274436182215	-101.606939	131376.1649139398	435499.318	3277.924051153903	3072.405801550113	3010.208898426877	3010.208898426877	62.20486121232367
409	152	11249	-101691.1413	892057.3170250766	39.32428198704983	-101.586818	131372.9116900096	435498.25898068	3276.972100147086	3069.1277100147086	3008.148416466266314	3008.148416466266314	61.02329519313763
410	152	11250	-101091.1413	892057.3170250766	39.3242983127346	-101.56309	1314126.2503937204	435498.154034094	3276.247123452295	3065.37433673993	3005.964364969696	3005.964364969696	60.4218845386141
411	152	11251	-100341.1413	892057.3170250766	39.32429518365285	-101.539741	1314229.30469573475	435497.22253539	3278.124168657306	3063.7711052400255	3003.3707268513826	3003.3707268513826	60.10094116668325
412	152	11252	-99681.1413	892057.3170250766	39.324302039088084	-101.515642	1314530.590528054	435497.91264045	3277.717677	3059.531860764741	3000.2831811024575	2999.132747395475	60.39086369266115
413	152	11253	-99021.1413	892057.3170250766	39.324303790079115	-101.493103	1314731.39687428024	435496.916	3277.301086739329	3056.587993	3001.537545	3000.676808907599	55.0504897898014
414	152	11254	-98361.1413	892057.3170250766	39.32431552572595	-101.469784	1314932.42461473484	435496.129626025	3276.904567860318	3054.4564978091511	3006.724498	3006.724498	47.731967395564487
415	152	11255	-97701.1413	892057.3170250766	39.3243216232897	-101.444648	131513.4885272897	435496.198585807	3276.9706276176	3052.345925962006	3007.627324377404	3007.627324377404	45.12349678400462
416	152	11256	-97041.1413	892057.3170250766	39.32432898189027	-101.423145	1315334.5341321665	435495.60863082	3277.515127379142	3051.549705131065	3007.3239274198454	3007.480977558904	44.0697275126098
417	152	11257	-96381.1413	892057.3170250766	39.324335462483303	-101.399826	1315535.57545633703	435495.073711207	3278.0505678973157	3050.188172130994	3006.559958548534	3006.7132250718773	43.63815415245925
418	152	11258	-95721.1413	892057.3170250766	39.32434021477433	-101.376507	1315736.624599431	435494.007570906	3277.549076367104	3048.856094810404	3005.6204209793264	3005.7345369171446	42.14271210690985
419	152	11259	-95061.1413	892057.3170250766	39.32434852829996	-101.353188	1315937.666631913	435494.97793631	3276.56435182057	3047.5716833547	3004.243894730696798	3004.389477562193	42.7365283636727
420	152	11260	-94401.1413	892057.3170250766	39.32435493681336	-101.329868	131618.71843	435494.94798276	3277.912745140267	3046.178810817598	3002.304599	3002.419770941041	42.87331223073716
421	152	11261	-93741.1413	892057.3170250766	39.32436141401841	-101.306549	131639.7589494296	435493.91838386	3277.7994039597449	3044.5015965762243	3000.121948153015	3001.643791698369	44.758675926211
422	152	11262	-93081.1413	892057.3170250766	39.324367189311204	-101.28323	1316480.83723518	435492.889973483	3262.787371935353	3043.50135954336	2998.0202683991514	2998.01549488985	43.62320551974
423	152	11263	-92421.1413	892057.3170250766	39.324411155137521	-101.259811	131674.1819614222	435492.889948258	3262.029677461237	3042.17934122965	2998.31307017861	2998.31307017861	43.8589410465936
424	152	11264	-91761.1413	892057.3170250766	39.324340474763815	-101.236591	1316942.8918122516	435492.8032904	3258.58467542995	3040.824351123897	2994.84964521073	2994.808716776384	45.97469851316776
425	152	11265	-91101.1413	892057.3170250766	39.3243866442365	-101.212372	1317143.935666263	435492.8002494	3257.97972956176	3039.48745337063	2993.5617345718	2993.5617345718	45.834214234181
426	152	11266	-90441.1413	892057.3170250766	39.3243926043912	-101.189953	1317344.9792371048	435491.734587835	3257.353003478917	3038.1523205804304	2992.17820929594	2992.215896	45.97409256583661
427	152	11267	-89781.1413	892057.3170250766	39.32439899110225	-101.166634	1317546.0208069395	435491.7240560747	3249.264132395187	3036.8196340280206	2990.368661722746	2990.1847765873091898	45.635496337800255
428	152	11268	-89121.1413	892057.3170250766	39.32440059136974	-101.143314	1317747.06615011254	435490.718655331	3247.64702850569	3035.409056566266	2988.298444500929	2988.288841021507	47.1961516868327
429	152	11269	-88461.1413	892057.3170250766	39.324411155137521	-101.119995	1317948.1962105273	435490.6845588	3246.029677461237	3034.17934122965	2998.31307017861	2998.31307017861	47.797540656371
430	152	11270	-87801.1413	892057.3170250766	39.3244171700076	-101.096376	1318149.125133989	435490.66102445	3244.123719513899	3032.8607509212	2997.57737632592	2997.57737632592	51.8403124330194
431	152	11271	-87141.1413	892057.3170250766	39.3244231399503	-101.073357	1318350.1951282896	435490.633	3243.781625894707	3031.5714958235894	2992.3804304091864	2992.735715177078	49.191056414403056
432	152	11272	-86481.1413	892057.3170250766	39.32442944800064	-101.050307	1318551.2377667553	435490.60599998	3239.57179347921	3030.29609104415	2990.73846776294	2990.832287157096	49.55414132812140
433	152	11273	-85821.1413	892057.3170250766	39.32443944640796	-101.026718	1318752.280225337	435488.57716777	3238.894519422718	3029.030034785615	2978.90108905064	2978.91307	50.12893527295703
434	152	11274	-85161.1413	892057.3170250766	39.32444078	-101.003399	1318963.32250831206	435488.545167964	3234.210841512947	3027.7850979744697	2977.052453140586	2977.3047968819734	50.25256566241
435	152	11275	-84501.1413	892057.3170250766	39.324446590094	-100.980808	1319154.3646317117	435488.5248019795	3231.65998307303	3026.55573777163	2975.176451983454	2975.176451983454	51.194849636515
436	152	11276	-83841.1413	892057.3170250766	39.324453137521	-100.95676	1319368.405642422	435488.519846222	3230.27278164134	3025.34574209584	2974.730420455296	2974.730420455296	51.8403124330194
437	152	11277	-83181.1413	892057.3170250766	39.324458013379024	-100.933441	1319564.48291410204	435488.474671621	3228.791868271245	3024.15019	2971.457865672807	2971.457865672807	52.6015621
438	152	11278	-82521.1413	892057.3170250766	39.3244636796176	-100.910122	1319757.4989950305	435488.453347965	3227.331179378342	3022.9798440912073	2969.572099146502	2969.677517030884	53.30227400301884
439	152	11279	-81861.1413	892057.3170250766	39.32446927749963	-100.886802	1319968.5312666432	435488.41930768	3221.574187599092	3021.841875799092	2968.041002400097	2968.041002400097	53.534965051
440	152	11280	-81201.1413	892057.3170250766	39.32447484199309	-100.863348	1320159.5724917336	435488.393413511	3218.430995766308	3019.7609456565	2966.141987282165	2966.22997521901	54.46786217440008
441	152	11281	-80541.1413	892057.3170250766	39.32448036	-100.840164	1320361.633897804	435488.367711685	3215.2854095404004	3018.605994254005	2964.3784893141837	2964.3784893141837	54.8672137802134
442	152	11282	-79881.1413	892057.3170250766	39.32448593546424	-100.816848	1320561.6541058105	435488.342202289	3212.14462133700032	3018.5328773750032	2963.3689768719	2963.3689768719	55.168906342436
443	152	11283	-79221.1413	892057.3170250766	39.32449136305654	-100.793611	1320768.189126189	435488.316814658	3210.47173194	3017.48173194	2962.173194	2962.173194	55.4672137802134
444	152	11284	-78561.1413	892057.3170250766	39.3244964945176	-100.770206	1320963.7356278624	435488.291761336	3204.3227115577008	3016.435507097097	2961.730413709737	2961.730413709737	55.6559632
445	152	11285	-77901.1413	892057.3170250766	39.3245001988792406	-100.746887	1321164.779375907	435488.26692659	3200.1562674652003	3015.410935842454	2959.58039314902	2959.58039314902	57.818966527001
446	152	11286	-77241.1413	892057.3170250766	39.32450278	-100.723567	1321365.8164146794	435488.240209085	3198.98953626303	3014.3996928323463	2958.592059286214	2958.592059286214	59.87873246134895
447	152	11287	-76581.1413	892057.3170250766	39.32451252200224	-100.700248	1321666.864115907	435488.21543942	3192.75569703397	3013.41063265101	2957.1376965374521	2957.1376965374521	62.2627469730234
448	152	11288	-75921.1413	892057.3170250766	39.3245177633729	-100.676829	1321877.969632124	435488.19318977	3190.8421158109856	3012.4121158109856	2956.129642514595	2956.129642514595	64.9051818296164
449	152	11289	-75261.1413										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogsKrg.ft	BRELEVBothKrg.ft	SatHBothKrg.ft
527	152	12267	-23781.14133	892057.3170250766	39.32478652157731	-100.884694	37694.508644394	43545.10.876717289	3084.175289897158	293.31456579912934	2871.0906664231625	2871.2423288805344	65.22389156813097
528	152	12268	-23721.14133	892057.3170250766	39.324781722122804	-100.88137134	37850.5349960521	43545.86.7734332	3084.1048955254966	293.4581776759786	2869.0570030551863	2869.206731171824	65.77144674599597
529	152	12269	-23661.14133	892057.3170250766	39.32478098	-100.788858	33861.517386244	43545.82.858943178	3084.0345811874545	293.524578189416	2868.96366713203	2868.945814532457	67.82551891
530	152	12270	-23101.14133	892057.3170250766	39.32479118807846	-100.8767435	33825.5875907686	43544.86.85034317	3083.9641168845231	293.2511563656124	2861.6594891585493	2861.5661832329174	70.585094042350893
531	152	12271	-23141.14133	892057.3170250766	39.32479263488863	-100.8741415	33843.6136528996	43544.84.81936246	3083.13824614727	293.0859607111665	2857.8818042651474	2857.700531455874	73.703791806
532	152	12272	-20481.14133	892057.3170250766	39.32479407385368	-100.8718096	33865.639555368	43544.83.720451	3081.5436149925968	2929.4316745107	2855.2681419514915	2855.2176011468004	74.1680055
533	152	12273	-19821.14133	892057.3170250766	39.324795449173614	-100.8694767	33885.655	43544.82.6962428	3079.95304342717	2927.99084603815	2853.556799892695	2853.661630877314	74.34046014001838
534	152	12274	-19161.14133	892057.3170250766	39.3247967448441	-100.8671457	33895.606993708	43544.81.7864166	3078.36231692837	2926.51930673113	2852.040077384527	2852.0393493985	74.4799351
535	152	12275	-18501.14133	892057.3170250766	39.324798064678055	-100.8648137	33927.5761625876	43544.79.78238325	3077.181938704615	2925.023043949637	2850.5086	2850.7654848247306	74.5143889497174
536	152	12276	-17841.14133	892057.3170250766	39.324799304852444	-100.8624818	33945.6714033211	43544.78.80277489	3076.4096219755023	2923.5009935298	2849.0723136350846	2849.3465367714805	74.1534265891337
537	152	12277	-17181.14133	892057.3170250766	39.324800500002566	-100.8601489	33965.767241023	43544.77.95517859	3075.6373040782324	2921.961416817698	2847.7254833190273	2847.014524161514	74.22529349867066
538	152	12278	-16521.14133	892057.3170250766	39.32480165009634	-100.8587179	33986.791688926	43544.66.78452556	3074.864667585255	2920.374763831934	2846.4613139993457	2846.767239600345	73.9161623834768
539	152	12279	-15861.14133	892057.3170250766	39.32480275514551	-100.8554859	34061.816498006	43544.67.78257822	3073.178887090739	2845.255245687005	2845.6176629998085	2845.6176629998085	73.76122409
540	152	12280	-15201.14133	892057.3170250766	39.324803810514951	-100.853154	34062.8411515273	43544.78.74897095	3072.32329585726	2921.156300945154	2844.0402942349024	2844.488441569826	73.1160671006162
541	152	12281	-14541.14133	892057.3170250766	39.32480483	-100.850822	34083.85654971233	43544.78.70409629	3070.89664433905	2915.510370601849	2842.4574745694344	2843.4852345693208	73.0526330691461
542	152	12282	-13881.14133	892057.3170250766	39.3248058002215	-100.848491	34064.889992743	43544.78.7014853	3069.4407299712145	2913.8417349311957	2840.763711302539	2842.489168690354	73.0780226456561
543	152	12283	-13221.14133	892057.3170250766	39.32480672489076	-100.8461581	34085.9141808382	43544.76.70061662	3067.852179354944	2912.151079415621	2838.759566179508	2841.447291615664	73.0511323971328
544	152	12284	-12561.14133	892057.3170250766	39.3248076	-100.8438262	34106.9362142765	43544.75.70506545	3066.183141200874	2910.430351674259	2836.91589432642	2840.3947108478171	70.40145320541213
545	152	12285	-11901.14133	892057.3170250766	39.3248084394292	-100.8414842	341267.9621930773	43544.74.74431106	3064.8545447633022	2908.704215595434	2835.0870030029032	2839.255834010755	73.6169155925313
546	152	12286	-11241.14133	892057.3170250766	39.32480922922606	-100.8391623	34148.968199717636	43544.73.73829239	3062.78690773722	2906.9474308235968	2833.5192928527	2833.5192928527	68.57719602436093
547	152	12287	-10581.14133	892057.3170250766	39.32480997391405	-100.8368033	341670.0984080783	43544.73.74891892	3061.11422674304525	2905.1969319145589	2833.907328484927	2833.907328484927	68.58991525
548	152	12288	-9921.14137	892057.3170250766	39.3248107355588	-100.8344894	341871.032040169	43544.72.73834096	3059.4872814870946	2903.37198222889	2829.372623612093	2835.9586729309816	68.5772471390174
549	152	12289	-9361.14137	892057.3170250766	39.32481132815514	-100.83161	34215.7285153646	43544.72.73745456	3058.425671453524	2902.430611954272	2827.1538239569778	2827.1538239569778	64.0169851866568
550	152	12290	-8601.14137	892057.3170250766	39.32481193770712	-100.8296345	34223.0707267964	43544.71.78185191	3055.13730908633	2899.72447910411	2825.2985346838013	2821.580007	74.42421322659053
551	152	12291	-7941.14137	892057.3170250766	39.32481202219447	-100.8275025	34247.012232489	43544.71.71044972	3054.09883719599	2887.6597915137	2823.433665246994	2820.358342858383	67.52229163
552	152	12292	-7281.14137	892057.3170250766	39.32481302167672	-100.8251706	342675.125035811	43544.70.70962260	3051.5968144590264	2886.032161286255	2821.469510212201	2821.469510212201	65.6512534084565
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554	152	12294	-5961.14137	892057.3170250766	39.32481392546572	-100.8205927	343077.170183304	43544.69.70147335	3046.5926759130894	2882.333328	2818.1383205032503	2827.9746472630327	74.1950079
555	152	12295	-5301.14137	892057.3170250766	39.324814397920465	-100.818147	343215.7285153646	43544.69.70147335	3044.92275153871	2880.49351368038573	2816.462973279676	2826.489121620094	73.0106777971794
556	152	12296	-4641.14137	892057.3170250766	39.324814649710076	-100.8158428	343377.1702109176	43543.69.694	3044.08411954272	2878.47425604212	2817.74023147351462	2817.74023147351462	71.2598027865348
557	152	12297	-3981.14137	892057.3170250766	39.3248149431053	-100.8135108	343680.2367615203	43543.69.69026745	3043.247092404576	2885.863686401322	2817.905806828166	2824.84918796854	69.0797715731568
558	152	12298	-3321.14137	892057.3170250766	39.32481519250181	-100.8117789	34381.2586507238	43543.68.7394206	3042.4999272850736	2886.089014726739	2818.1786225165003	2824.129019584124	69.9091921476
559	152	12299	-2661.14137	892057.3170250766	39.324815396647935	-100.8088469	34402.28038737655	43543.68.7352175	3040.15483234917	2883.350432951257	2818.445496988016	2824.1426721310954	64.90542796
560	152	12300	-2001.14137	892057.3170250766	39.324815555748884	-100.806515	344283.301973025	43543.68.73193765	3038.181824733977	2881.655140303084	2818.509542	2824.48098093887	64.75489878935246
561	152	12301	-1341.14137	892057.3170250766	39.32481597	-100.804183	344484.3234074483	43543.67.87845851	3032.809485969457	2880.08869503547	2818.529040422689	2824.129523145336	61.479284834274
562	152	12302	-681.14137	892057.3170250766	39.32481573851536	-100.801851	344615.3446929277	43543.67.87374546	3029.412701993143	2878.410471177398	2816.94027129095	2826.489121620094	64.5486985731189
563	152	12303	-21.14132693	892057.3170250766	39.32481576279382	-100.7995191	344886.3565793623	43543.66.7014577	3028.794306939434	2876.87402304388	2815.83724569172	2821.48410790658	65.95373312395886
564	152	12304	638.85867303514	892057.3170250766	39.3248157107115	-100.7971871	34507.386052983	43543.62.72021201	3022.7810633147315	2875.34184907380	2815.950361520466	2819.057272913032	57.9334375534046
565	152	12305	1298.85867303514	892057.3170250766	39.324815755767629	-100.7948552	345288.4760368001	43543.62.70129325	3017.1078321	2873.862947299537	2816.049651592763	2818.5062054283036	61.760772776471
566	152	12306	1958.85867303514	892057.3170250766	39.32481556440628	-100.7925232	345484.3818108515	43543.64.68428305	3016.745477475058	2872.406617675877	2811.920167170077	2820.364395075202	60.490542796
567	152	12307	2618.85867303514	892057.3170250766	39.3248154091112	-100.7901913	345690.4488493585	43543.65.66902027	3013.628616804757	2870.966486156311	2808.675592	2820.36966957612	62.29087644147103
568	152	12308	3278.85867303514	892057.3170250766	39.3248152	-100.7879354	345891.4892062084	43543.64.65602592	3010.3893770001682	2868.261424536746	2804.5517834307789	2817.2347903	62.0203816260049
569	152	12309	3858.85867303514	892057.3170250766	39.32481496072631	-100.7851954	346109.4580160767	43543.64.65602592	3008.2634284663014	2866.4898633068	2803.2634284663014	2803.2634284663014	61.7681716871707
570	152	12310	4598.8586730351	892057.3170250766	39.324814692774567	-100.7831954	346323.5096515167	43543.63.664	3005.9312579511167	2866.64385674234	2802.572723252295	2804.51107309384	61.116481519386
571	152	12311	5258.8586730351	892057.3170250766	39.3248143328786	-100.7808635	346484.52947844507	43543.62.76029026	3001.0963716295388	2865.257305849447	2801.05013834867	2802.572723252295	64.6210051602854
572	152	12312	5918.8586730351	892057.3170250766	39.32481395147896	-100.7785315	346695.5493	43543.62.662	2998.702362495385	2863.82692781912	2799.648484209074	2795.36419236668	64.846061982443
573	152	12313	6578.8586730351	892057.3170250766	39.32481352	-100.776196	346896.5868982507	43543.61.6817815	2996.83981824032	2862.38904420381	2798.4090743765428	2798.18169295805	63.9888696263832
574	152	12314	7238.8586730351	892057.3170250766	39.3248130342052	-100.7738676	347097.5883851878	43543.62.66171938	2993.815616113378	2890.945152562892	2797.1950049357622	2797.195004	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKsg.f	BREIElevKgr.f	SurfAtk.f	SurfBoth.f	
55	152	12393	59378.8586730335	892057.3170250766	-90.32463345996944	-100.5896438	362977.67604017153	4354007.252528245	2819.228633895657	2707.598569669153	2650.6570928093797	2666.239887025988	56.94147675973195	41.35868253416483
554	152	12394	60038.8586730335	892057.3170250766	-90.32462398	-100.5873118	363178.6840505023	4354003.267444807	2816.576347416124	2706.43005490357	2648.133281005535	2659.28296518128	57.12087968722001	37.12087968722001
555	152	12395	60858.8586730335	892057.3170250766	-90.32462398	-100.5849799	363278.692438038	4353999.285226282	2814.55086914588	2705.20435054167	2645.62964054167	2655.29248054167	58.5836989539582	38.911909204861
556	152	12396	61396.8586730335	892057.3170250766	-90.3246210994309	-100.5826479	363380.7043021587	4354004.256406381	2810.020457926017	2703.993904	2645.551191762398	2656.336263549280	59.44804813094915	47.6629135103105
557	152	12397	62018.8586730335	892057.3170250766	-90.324616889166045	-100.580316	363378.7083808248	4353991.314139131	2811.033669538534	2702.788935938534	2642.342993644002	2647.428276020616	60.45459948851385	55.36301757232735
558	152	12398	62678.8586730335	892057.3170250766	-90.324612385322	-100.5779841	363382.7041670763	4353991.330018592	2810.046067520614	2701.524458780052	2642.181090539432	2646.393487328463	61.46477359451272	47.6629135103105
559	152	12399	63338.8586730335	892057.3170250766	-90.32460833495604	-100.5756521	364183.7236541702	4353984.364088726	2808.635369362765	2700.350986362765	2643.522418542394	2635.905118238334	62.58608096655164	64.44948400706784
560	152	12400	63998.8586730335	892057.3170250766	-90.3246039809323	-100.5732022	364384.3711303138	4353979.362349529	2807.23672562959	2699.124454996818	2646.42806089818	2635.905118238334	63.5629340798617	65.89048919814965
561	152	12401	64658.8586730335	892057.3170250766	-90.3245996	-100.5708682	364585.7384757139	4353975.78809991	2806.95268814588	2697.86297481127	2650.323471540866	2633.6174108666	64.62574675898164	67.12087968722001
562	152	12402	65318.8586730335	892057.3170250766	-90.32459618215423	-100.568663	364766.745695272	4353971.32545104	2804.6170240224503	2696.655075014334	2650.30575014334	2636.040561774717	65.61620354222614	69.44948400706784
563	152	12403	65978.8586730335	892057.3170250766	-90.324590861763	-100.5663244	364987.7528	4353967.14278381	2803.800200421193	2695.415825702064	2652.69633739573	2634.812687	66.1947196294114	60.60313874522614
564	152	12404	66638.8586730335	892057.3170250766	-90.3245861506327	-100.5639924	365188.75972948584	4353963.429299246	2800.7615787085	2694.70150367526	2650.0154565117496	2631.741899	67.14536935577626	62.42825171593635
565	152	12405	67298.8586730335	892057.3170250766	-90.3245815854108	-100.5616605	365389.7866539518	4353959.464513254	2798.64019584179218	2682.919584179218	2646.5114268438533	2629.561405020033	68.45081735826465	63.35813415623481
566	152	12406	67958.8586730335	892057.3170250766	-90.3245769	-100.5593286	365590.732396554	4353954.464	2796.51783008436	2691.6639689897	2643.031151130629	2628.097421144245	69.45452580260615	63.56628475472427
567	152	12407	68618.8586730335	892057.3170250766	-90.3245723902391	-100.5569866	365791.7798132655	4353951.481513111	2795.685067611958	2690.38678743087	2639.900996491315	2637.107194687185	70.40888778995536	63.56628475472427
568	152	12408	69278.8586730335	892057.3170250766	-90.324567803236095	-100.5546467	365992.786249847	4353947.480298357	2796.081382403073	2689.123063600987	2637.02561398069	2626.47079099574	72.09148989202545	62.6522728645455
569	152	12409	69938.8586730335	892057.3170250766	-90.32456285248826	-100.5523227	366183.7926	4353945.12725352	2796.081382403073	2687.83980652135	2633.833173878913	2627.4133687434064	73.0028677730052	60.4226119128287
570	152	12410	70598.8586730335	892057.3170250766	-90.3245580660925	-100.5500008	366394.7987345649	4353939.53422434	2796.012536710889	2686.536570184936	2631.710412300664	2622.928179018614	74.0529447792977	63.6081779998126
571	152	12411	71258.8586730335	892057.3170250766	-90.32455321571502	-100.5476869	366595.80478377745	4353935.53799007	2796.6317613851004	2685.2224076973167	2628.857042697876	2621.024609551656	75.36365162752906	63.51224200520114
572	152	12412	71918.8586730335	892057.3170250766	-90.32454832977611	-100.5453398	366796.8107045002	4353931.57248031	2796.07218987229	2683.82048213244	2624.419097870124	2621.03634642723	76.4276502432398	62.2811145697611
573	152	12413	72578.8586730335	892057.3170250766	-90.3245434	-100.543005	366997.816958654	4353927.59104729	2804.706383954567	2682.54331301268	2619.31212235766	2618.5935934949141	77.312955966211	63.9477373064731
574	152	12414	73238.8586730335	892057.3170250766	-90.32453842761878	-100.5406731	367188.82261208	4353923.610013847	2801.7432846535	2681.1746527000263	2614.7005475262	2614.5924503439883	78.74674722	66.5827017636406
575	152	12415	73898.8586730335	892057.3170250766	-90.32453342981545	-100.538241	367389.828263191	4353918.747813699	2798.2294784922485	2679.684784922485	2612.7558434922485	2612.7558434922485	79.7558434922485	67.7558434922485
576	152	12416	74558.8586730335	892057.3170250766	-90.32452833551058	-100.5360092	367600.8332049052	4353915.648	2797.056959629417	2678.37926477324	2608.824037	2612.012815666135	80.7542991211285	65.3520449112185
577	152	12417	75218.8586730335	892057.3170250766	-90.3245232440498	-100.5336773	367801.8384878796	4353911.667794477	2797.105393141204	2677.5841582336903	2603.689475213567	2612.012815666135	81.7542991211285	62.6880316326134
578	152	12418	75878.8586730335	892057.3170250766	-90.3245186820277	-100.5313453	368002.8436419026	4353907.68703178	2792.24401038982	2675.4889711766423	2600.75103808376	2610.391721930107	82.7431402826474	61.5711494026114
579	152	12419	76538.8586730335	892057.3170250766	-90.32451328695148	-100.5290134	368203.846889208	4353903.70517878	2790.96266435141	2674.0177652236	2598.1901472956	2607.133921032678	83.97842662968464	63.97842662968464
580	152	12420	77198.8586730335	892057.3170250766	-90.3245076	-100.5266818	368404.85369098	4353899.727019919	2781.662017811443	2672.530272860416	2596.5215484402	2604.748462581422	84.767171905068	67.7811009094308
581	152	12421	77858.8586730335	892057.3170250766	-90.324502691545	-100.524348	368605.858236107	4353895.747878158	2778.22971989163	2671.0294784922485	2594.39058652545	2598.6858541715	85.73439678	68.73439678
582	152	12422	78518.8586730335	892057.3170250766	-90.32449730313	-100.5220176	368806.863	4353891.78306181	2777.057464171628	2669.5181662389	2592.57845554959	2590.4778151222	86.790031765435924	69.0903143600017
583	152	12423	79178.8586730335	892057.3170250766	-90.32449181150055	-100.5198657	369007.86751051963	4353887.789849845	2768.465311899998	2667.9909785424987	2589.57896826762	2586.580052556004	87.4820007173365	81.4190022889838
584	152	12424	79838.8586730335	892057.3170250766	-90.3244861850264	-100.5173537	369208.8719053245	4353883.80974804	2766.70579341767	2666.4509783176	2592.9957175889	2586.569459173562	88.4282082	79.9056380601281
585	152	12425	80498.8586730335	892057.3170250766	-90.32448071	-100.5150218	369409.8761743035	4353879.83800264	2760.125215643033	2664.9471538701	2594.854054020636	2585.179504156198	90.029551250327	79.7681035110309
586	152	12426	81158.8586730335	892057.3170250766	-90.3244751969461	-100.5126899	369607.8803176582	4353875.852023684	2760.94463735003	2663.417229100066	2595.8836047391967	2587.46516523187	91.5362439439161	79.9407757576875
587	152	12427	81818.8586730335	892057.3170250766	-90.32446953536948	-100.510358	369811.884535958	4353871.87428152	2757.66949105453	2661.88787800118	2592.16388326737	2587.52824724994	92.6150967280165	79.9598525
588	152	12428	82478.8586730335	892057.3170250766	-90.324464028647	-100.508029	370046.898263191	4353867.8520524	2756.121212	2660.32401989163	2592.0510706193	2592.0510706193	93.712341819309	80.3038195126549
589	152	12429	83138.8586730335	892057.3170250766	-90.3244587698055	-100.5056491	370247.8819903384	4353863.918611324	2754.717304084922	2658.8439056028074	2592.1237192875	2593.1440267879	94.6637802351967	65.99878483423853
590	152	12430	83798.8586730335	892057.3170250766	-90.3244526802489	-100.5033622	370414.895639462	4353859.39780145	2750.124287131063	2657.33183086297	2589.259134079334	2592.60907386233	95.67270468	64.7249307006385
591	152	12431	84458.8586730335	892057.3170250766	-90.3244468346126	-100.5010302	370615.89591726037	4353855.96955096	2748.67812181058	2656.357747066257	2590.66913718047	2591.623352566573	96.5158282	65.1528492
592	152	12432	85118.8586730335	892057.3170250766	-90.32444115613118	-100.4986983	370816.90255117946	4353851.983312561	2747.880291803546	2654.3324035966316	2589.8795633427	2590.8579762983572	97.43442729827435	63.47442729827435
593	152	12433	85778.8586730335	892057.3170250766	-90.32443537195624	-100.4963664	371017.902609108	4353848.05860397	2746.883746775943	2652.846378556168	2588.14657438404815	2592.1256005970613	98.3180089113521	60.72105259266391
594	152	12434	86438.8586730335	892057.3170250766	-90.32442943785	-100.4940345	371218.908965875	4353844.02859546	2745.783744147953	2651.37100527746	2586.83521541104	2587.43428826817	99.62780659272	57.62780659272
595	152	12435	87098.8586730335	892057.3170250766	-90.324423981545	-100.4917029	371419.898263191	4353840.02859546	2744.681402859546	2650.259134079334	2585.74555495959	2586.580052556004	100.7542991211285	61.5711494026114
596	152	12436	87758.8586730335	892057.3170250766	-90.32441753586642	-100.4893706	371620.914	4353836.71620194	2743.591691264384	2648.45373138208	2587.252468395462	2584.70771096545	101.75	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
13	15	12519	-345861.1413	892717.1312050766	39.320443713096646	-102.021423	239529.84481783875	4356691.002	3881.476564595122	3726.744388983913	3679.2031717888785	3690.657627254594	5471341.21503466	36.08673129319126
40	153	112520	-345201.1413	892717.1312050766	39.32046725424239	-102.019817	2397.307452345177	4356687.488518118	3884.289624669345	3724.753810526345	3673.0230111166234	3650.51565545211	51.70709431621111	34.23625509193324
41	153	112521	-344681.1413	892717.1312050766	39.32049063233994	-102.016701	2398.621001923482	4356683.94848156	3882.7775540272	3723.773837851216	3669.067908315545	3682.88952	53.70853498172398	39.89781980287178
42	153	112522	-343881.1413	892717.1312050766	39.32051432	-102.014284	2393.123.22794436786	4356679.291549898	3886.975465081779	3720.805925417895	3668.517018446043	3673.934891199657	46.87354651819498	46.87354651819498
43	153	112523	-343221.1413	892717.1312050766	39.32053777	-102.012068	2403.354533784346	4356675.188539448	3893.88833062054	3718.8524832499434	3664.3319418718575	3664.967297420149	54.5205413780891	53.88518826921414
44	153	112524	-342561.1413	892717.1312050766	39.32056116844266	-102.009752	2405.35.4813297595	4356671.08536489	3896.8848848158134	3716.9143385441064	3661.892940534747	3655.37232628084	50.2138909063192	51.64201186202454
45	153	112525	-341901.1413	892717.1312050766	39.32058542440776	-102.0074336	2407.36.6078253737	4356668.922668234	3904.0488621655212	3714.9922818868172	3658.888621655212	3645.0911395541429	56.10546021	69.90114231447524
46	153	112526	-341241.1413	892717.1312050766	39.32060783538016	-102.005102	240937.3741250377	4356662.879961837	3908.1292803214415	3713.087518009395	3656.003813389356	3638.854960798194	56.2325769252046	67.2325769252046
47	153	112527	-340581.1413	892717.1312050766	39.3206311	-102.002703	241138.860140813	4356660.7775540272	3913.139289769915	3711.20103578652	3651.62105068815545	3635.7985095426785	68.118369167691	80.118369167691
48	153	112528	-339921.1413	892717.1312050766	39.32065432	-102.000487	241339.9689920357	4356654.573541887	3910.0788917540524	3709.32304149523	3648.33289453853	3625.491375933876	69.5997506957107	83.8412621
49	153	112529	-339261.1413	892717.1312050766	39.32067749791943	-101.9981071	241541.1114	4356650.53254008	3908.018458941332	3707.482705867979	3645.192900103923	3623.702747876483	69.82874575	83.8412621
50	153	112530	-338601.1413	892717.1312050766	39.32070062870996	-101.9957574	24172.23664810942	4356646.47150453	3905.8960844064	3705.65181705503	3642.213882427454	3621.66585761849	63.4739437639046	83.8961313024384
51	153	112531	-337941.1413	892717.1312050766	39.32072314465444	-101.9934438	241943.3613680554	4356642.369879408	3906.233978377651	3703.840406381677	3639.375456361046	3616.73513425966	64.4658602548566	87.10289205
52	153	112532	-337281.1413	892717.1312050766	39.32074651585166	-101.9911122	242144.4863740092	4356638.268449874	3907.63238257701	3702.048717549028	3636.664499921626	3613.7412423	65.38421763	88.30628430273781
53	153	112533	-336621.1413	892717.1312050766	39.32076975081758	-101.9887805	242345.61085271026	4356634.167219575	3901.485296778424	3700.276799428165	3634.775443399677	3618.89332144605	66.3540179594878	81.3964068282151
54	153	112534	-335961.1413	892717.1312050766	39.32079270152125	-101.9864489	242546.73507673026	4356630.360177704	3899.1025095903	3698.524668874758	3632.676274829563	3620.00994632272	65.84039389214946	78.5236712449887
55	153	112535	-335301.1413	892717.1312050766	39.320815607136126	-101.9841173	242747.85905466827	4356625.95335053	3898.404615407552	3690.7930487879	3630.4818621600793	3619.281896405137	66.311727179975	77.51132833478
56	153	112536	-334641.1413	892717.1312050766	39.320838467715745	-101.9817585	242948.9827597313	4356621.864806116	3893.644364572652	3695.082179867205	3628.244866901957	3615.383063738064	67.6983732393907	79.6983732393907
57	153	112537	-333981.1413	892717.1312050766	39.32086128326005	-101.979454	243150.106219129	4356617.76236586	3890.784119790086	3693.391361	3626.14702973917	3614.1994644307248	67.24433173139187	79.19189716323176
58	153	112538	-333321.1413	892717.1312050766	39.32088405376905	-101.9771223	243351.22944205284	4356613.6638079	3887.98471982673	3691.719589369605	3624.159608699446	3616.849348758257	67.56262849751465	74.87023349113473
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60	153	112540	-332001.1413	892717.1312050766	39.32092945960671	-101.9724591	243753.4750173356	4356605.46055874	3882.46492428114	3688.42369792516	3620.20885324242	3616.723105533582	68.13684447	79.17018824
61	153	112541	-331341.1413	892717.1312050766	39.32095216983456	-101.9698159	243959.1693533524	4356601.34861524	3879.455024467712	3687.584494849029	3619.2838176580954	3616.82819486705	69.312364343635	81.312364343635
62	153	112542	-330681.1413	892717.1312050766	39.3209748554059	-101.9677598	244155.179032722	4356597.265	3877.059258581598	3685.168115207224	3616.033140326536	3624.3104521915452	69.13497487465884	80.6576327577721
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64	153	112544	-329361.1413	892717.1312050766	39.32101973107616	-101.9631325	244557.9633213688	4356589.06553012	3870.5196797716234	3683.3533202077673	3611.611966158938	3605.625082158563	70.3233504882951	76.3102380421907
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67	153	112547	-327381.1413	892717.1312050766	39.32108691753206	-101.9561375	245161.3268513967	4356576.704797819	3859.455024467712	3675.88412297712	3604.11530645814	3590.67478622814746	73.812364343635	81.312364343635
68	153	112548	-326721.1413	892717.1312050766	39.3211092810518	-101.9538159	245369.10925815	4356572.671778985	3854.6208845713843	3673.727621144585	3599.727621144585	3594.727621144585	74.9372076161612	81.24439911600381
69	153	112549	-326061.1413	892717.1312050766	39.32113156	-101.9514742	245563.567243619	4356568.574	3849.784544666605	3673.86560113611	3599.32062135339	3595.356469679991	75.4547808722223	78.50866013
70	153	112550	-325401.1413	892717.1312050766	39.321153787103945	-101.9491425	245764.688109717	4356564.4761511	3844.952604631543	3672.236115203258	3596.82566459169	3596.232610265398	75.41405061	76.03504493786436
71	153	112551	-324741.1413	892717.1312050766	39.32117597214949	-101.9468109	245965.800253283	4356560.378451504	3843.0574357852263	3670.59553869466	3594.539005059058	3598.63268112712	76.06538135608207	79.19189716323176
72	153	112552	-324081.1413	892717.1312050766	39.3211981125911	-101.9444792	246166.927689326	4356558.28033362	3837.9395742439374	3668.9417155421275	3591.9053394182964	3597.719374229217	77.22612027	79.22612027
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74	153	112554	-322761.1413	892717.1312050766	39.32124257708125	-101.9398159	246569.1693533524	4356549.08481524	3831.8116271002134	3665.84212711646	3588.499121	3588.499121	78.512364343635	81.312364343635
75	153	112555	-322101.1413	892717.1312050766	39.32126459198275	-101.9374842	246770.285273825	4356543.989549852	3829.360083877477	3663.883749163288	3588.3882935742802	3584.016724702948	80.00083737352654	79.8671301954341
76	153	112556	-321441.1413	892717.1312050766	39.32128621848126	-101.9351255	246971.0335352573	4356539.8928136565	3827.521100120514	3662.161351528238	3581.120098485962	3582.3345314807193	81.041261825805	79.8286205
77	153	112557	-320781.1413	892717.1312050766	39.32130813667735	-101.93328209	247172.5224366643	4356535.362301391	3825.18609	3660.417961310754	3578.074563253612	3578.561699547281	82.0426308665658	81.8562176319238
78	153	112558	-320121.1413	892717.1312050766	39.32133000647038	-101.9304892	247373.64050145255	4356531.6992768	3823.842815849246	3658.6530973216336	3574.9470937319543	3574.96129054949	83.7060035867931	80.4837636272669
79	153	112559	-319461.1413	892717.1312050766	39.32135183122718	-101.9281575	247574.7581040889	4356527.803778864	3819.991642471374	3657.99142715542175	3591.9053394182964	3597.719374229217	79.22612027	79.22612027
80	153	112560	-318801.1413	892717.1312050766	39.3213739109478	-101.9258259	247775.8761	4356523.76373505	3816.2019057025615	3657.2723020122517	3589.261081836401	3591.7193657240986	77.8107168175058	75.5534482826222
81	153	112561	-318141.1413	892717.1312050766	39.32139591797983	-101.923574	247976.93715465	4356519.08481524	3813.8116271002134	3665.84212711646	3588.499121	3588.499121	78.512364343635	81.312364343635
82	153	112562	-317481.1413	892717.1312050766	39.32141703257966	-101.9211625	248178.110637155	4356515.13601015	3816.432407629317	3655.7490572357	3581.730023831783	3581.730023831783	79.8671301954341	80.00083737352654
83	153	112563	-316821.1413	892717.1312050766	39.32143687989111	-101.9188308	248379.2257462145	435651						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKgr.ft	BR ElevLogKgr.ft	SatHLogKgr.ft	SatHLogKgr.ft
155	112645	-262701.1413		892717.3170250766	39.32306027540959	-101.7276288	648989.848575022	4356176.065323582	3706.1469718842454	3492.3029914872614	3431.1471080323154	3431.290965196307	61.1588834549458	61.012026995451
156	11534	-262004.1413		892717.3170250766	39.32307818186423	-101.725257	265071.0824195263	4356171.386151574	3706.100644667908	3490.7743195483357	3430.93147044789954	3431.0158844672858	59.843717435810489	59.843717435810489
157	115347	-261818.1413		892717.3170250766	39.323093432278014	-101.725963	265072.17911947716	4356178.3081744401	3704.521671630615	3489.256355518782	3431.06832913212865	3431.06832913212865	58.149135078881556	58.149135078881556
158	115348	-262071.1413		892717.3170250766	39.32311385965479	-101.726335	265073.18627310633	4356163.828309253	3703.412362774895	3487.47433950274	3429.584040769564	3429.584040769564	57.9537050871942	57.9537050871942
159	115349	-262060.1413		892717.3170250766	39.32313163099064	-101.7183017	265674.3718238614	4356159.749804527	3702.2969139189654	3486.2478332560045	3426.6142493433096	3426.6142493433096	55.9552801087215	55.9552801087215
170	115350	-259401.1413		892717.3170250766	39.32314935726862	-101.7159699	265875.467829461	4356171.461118095	3701.181456531395	3475.5269770115	3423.7498600840286	3423.7498600840286	61.00543901707626	61.00543901707626
171	115351	-258741.1413		892717.3170250766	39.32316730843334	-101.7136381	266076.563602891	4356151.593213092	3699.32404744425	3483.2670698181323	3421.3182855256347	3421.3182855256347	61.88728716249763	61.88728716249763
172	112652	-258081.1413		892717.3170250766	39.323184674760085	-101.7113063	266277.65914532694	4356147.515210788	3698.10284274778	3478.1678784809073	3419.3932534313603	3419.3932534313603	62.43884241773626	62.43884241773626
173	112653	-257421.1413		892717.3170250766	39.323199435278014	-101.7089745	266574.7545471541	4356143.4374027464	3694.21926981383	3469.25729888193	3417.619643475428	3417.619643475428	62.7036848927444	62.7036848927444
174	112654	-256761.1413		892717.3170250766	39.323216812074254	-101.7056427	266679.8495383443	4356139.359778923	3691.65149719325	3478.812904270077	3415.8608265503567	3415.8608265503567	62.9557372744033	62.9557372744033
175	112655	-256100.1413		892717.3170250766	39.32323731317163	-101.704311	266880.3443810636	4356135.282370161	3687.739818197307	3477.320789	3414.20124204213	3414.20124204213	63.00977652113714	63.00977652113714
176	112656	-255441.1413		892717.3170250766	39.323254769229145	-101.7019792	267082.030096346	4356131.20514617	3682.463081015265	3475.041008602777	3413.026860626925	3413.026860626925	62.76762109161564	62.76762109161564
177	112657	-254781.1413		892717.3170250766	39.32327218024676	-101.6996474	267283.13340016175	4356127.182116935	3677.192789043246	3474.35137851921	3412.3031295232177	3412.3031295232177	61.87976199245313	61.87976199245313
178	112658	-254121.1413		892717.3170250766	39.32328954622446	-101.6973156	267484.227560696	4356123.01824527	3671.91928796495	3472.8576049911	3411.1082782393387	3411.1082782393387	60.75047766057212	60.75047766057212
179	112659	-253461.1413		892717.3170250766	39.32330687	-101.6948938	267685.32149196253	4356119.574847278	3668.800488177232	3471.363905915342	3410.798874471049	3411.15959908146	60.654761348485035	60.203990171385246
180	112660	-252801.1413		892717.3170250766	39.32332414305989	-101.692652	267886.4151	4356118.918919733	3667.837679	3469.866134576758	3407.443717890387	3407.443717890387	62.1228954720738	62.11911969020656
181	112661	-252141.1413		892717.3170250766	39.32334137	-101.6903202	268087.5087	4356110.8219474	3666.872900965162	3468.33835840674	3405.5223675093584	3405.5223675093584	64.54859683	64.54859683
182	112662	-251481.1413		892717.3170250766	39.32335859573523	-101.6879894	268288.06109095293	4356106.14991474	3665.90059056163	3466.86049507416	3398.355380926038	3398.355380926038	65.1812638077775	65.1812638077775
183	112663	-250821.1413		892717.3170250766	39.32337570510277	-101.6855656	268489.6949236846	4356102.670301125	3663.487350383876	3465.371895915215	3392.7782674688224	3392.7782674688224	72.59362846439281	72.57578793
184	112664	-250161.1413		892717.3170250766	39.3233928	-101.6833248	268690.877105033	4356098.94	3659.6071781700634	3463.87604558863	3387.813335870543	3387.813335870543	76.0360469	76.0360469
185	112665	-249501.1413		892717.3170250766	39.32340946947485	-101.68093	268891.8082626084	4356094.18893818	3655.7292310163912	3462.3807247055205	3383.854909	3383.854909	75.6195789332598	75.6195789332598
186	112666	-248841.1413		892717.3170250766	39.32342685260451	-101.6786612	269091.62592976	4356090.43616913	3651.8486434316913	3460.3059457558583	3380.67239543518	3380.67239543518	80.23361621234653	80.23361621234653
187	112667	-248181.1413		892717.3170250766	39.32344431265456	-101.6763285	269291.615334225	4356086.13871117	3649.4268769117	3459.4268769117	3377.85322817	3377.85322817	84.6972277488415	84.6972277488415
188	112668	-247521.1413		892717.3170250766	39.3234607287793	-101.6739785	269495.1565733317	4356078.21964592	3645.4975600392549	3457.96384701739	3375.5456709092783	3375.5456709092783	82.4737607146053	82.4737607146053
189	112669	-246861.1413		892717.3170250766	39.32347759933426	-101.6716657	269696.2842396376	4356078.23854400	3642.5566813458045	3456.556313598345	3373.3275102637995	3373.3275102637995	83.27945036947707	83.27945036947707
190	112670	-246201.1413		892717.3170250766	39.32349442483022	-101.6693339	269897.339635943	4356074.144456094	3639.615266716655	3455.153096418031	3371.448854603034	3371.448854603034	83.7042817	83.7042817
191	112671	-245541.1413		892717.3170250766	39.32351120528586	-101.6670201	270098.43083040783	4356071.90153375	3637.5596657102533	3453.788633621381	3369.7657876183815	3369.7657876183815	84.212613743752974	84.212613743752974
192	112672	-244881.1413		892717.3170250766	39.323527940711015	-101.6646703	270299.5217952811	4356065.996044892	3635.4882115112254	3452.466017867984	3368.1790424059996	3368.1790424059996	84.28697546189687	84.28697546189687
193	112673	-244221.1413		892717.3170250766	39.32354462107695	-101.662338	270500.6152334225	4356061.7615882234	3633.71675882234	3451.19322176752163	3366.58289630022	3366.58289630022	84.6732227488415	84.6732227488415
194	112674	-243561.1413		892717.3170250766	39.32356127841033	-101.6600507	270711.7034503335	4356057.848411415	3631.45780793117	3449.6812909954	3364.853291119755	3364.853291119755	85.0163549777978	85.0163549777978
195	112675	-242901.1413		892717.3170250766	39.32357877670421	-101.6567479	270902.7933032283	4356053.77868687	3630.825783302362	3448.817527310227	3363.365199204639	3363.365199204639	85.56871191660639	85.56871191660639
196	112676	-242241.1413		892717.3170250766	39.32359443195763	-101.6553431	271103.8833984564	4356049.70155645	3627.77226509139	3447.7226509139	3361.919179862805	3361.919179862805	86.0548048633426	86.0548048633426
197	112677	-241581.1413		892717.3170250766	39.32361094217047	-101.6530112	271304.9732227544	4356045.62842015	3629.890440134602	3446.69311288131	3360.79383543067	3360.79383543067	86.5992775280368	86.5992775280368
198	112678	-240921.1413		892717.3170250766	39.323627104734775	-101.6506794	271506.0623030944	4356041.55480909	3628.42285603485	3445.72507550483	3360.784800803395	3360.784800803395	87.14909802143335	87.14909802143335
199	112679	-240261.1413		892717.3170250766	39.32364387474442	-101.6483478	271707.1522123647	4356037.48273375	3628.242967895695	3444.81342841882	3362.599423403972	3362.599423403972	88.15844744800961	88.15844744800961
200	112680	-239601.1413		892717.3170250766	39.32366025205456	-101.6460158	271908.24136911426	4356033.101824095	3628.36780091569	3443.95116567103	3361.7189914218383	3361.7189914218383	89.2719914218383	89.2719914218383
201	112681	-238941.1413		892717.3170250766	39.32367653261582	-101.643684	272109.3300078094	4356029.38	3624.0792518780324	3443.133324542767	3364.168184128897	3364.168184128897	90.3856284284669	90.3856284284669
202	112682	-238281.1413		892717.3170250766	39.323693281763359	-101.6413521	272310.4191075213	4356025.26056326	3622.61076933926	3442.35019427116	3360.947741	3361.0034550740747	91.4025501	91.4025501
203	112683	-237621.1413		892717.3170250766	39.32370906	-101.6390203	272511.5075861966	4356021.19369238	3619.7336436752	3441.595129621574	3358.078778479899	3358.078778479899	92.368353218953093	92.368353218953093
204	112684	-236961.1413		892717.3170250766	39.3237252530508	-101.6366885	272712.5968472443	4356017.121918014	3618.7610787634841	3440.860425	3355.64622883244	3355.64622883244	93.454818233	93.454818233
205	112685	-236301.1413		892717.3170250766	39.32374140241804	-101.6343567	272913.6880800003	4356013.01508104	3617.004116	3440.13978588475	3353.56024018386	3353.56024018386	94.76590868637763	94.76590868637763
206	112686	-235641.1413		892717.3170250766	39.32375770726458	-101.6320428	273107.1716899001	4356008.97895373	3616.137356170139	3439.426844442585	3351.705470544668	3351.705470544668	95.8644744800961	95.8644744800961
207	112687	-234981.1413		892717.3170250766	39.32377406726458	-101.629781	273308.2680873257	4356004.99999913	3615.04989921713	3438.46717365708	3350.94724568243	3350.94724568243	96.96961221727796	96.96961221727796
208	112688	-234321.1413		892717.3170250766	39.32378958183508	-101.627612	273516.9466371015	4356003.86377017	3614.33042040152083	3437.99831	3350.3740779804847	3350.3740779804847	97.996233039554	97.996233039554
209	112689	-233661.1413		892717.3170250766	39.3238055515888	-101.6252094	273718.037754319	4355996.76597007	3612.35135930046	3437.271909168787				

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRElevLogKrg	BRElevBothKrg	SatElevLog	SatElevBoth	
29	153	12771	-175941.1413	892717.1372050766	39.249617919742	-101.4338162	290206.4384868578	4555663.621577671	3431.489548923316	3323.085928129804	3263.19053924028684	3264.720757	389.597370093552	68.3651704839396
292	153	12772	-178881.1413	892717.1372050766	39.234974023207844	-101.4314843	290407.50779486496	4555666.568969778	3428.775812179995	3332.2711651612985	3262.1761216445227	3263.982335061618	70.09040352	68.2892565512856
299	153	12773	-179221.1413	892717.1372050766	39.2349632905114	-101.4291524	290608.5789628036	4555655.512409785	3423.062075312827	3331.466389810058	3261.3193349182227	3263.508115901153	70.1470383916745	67.8601193849745
294	153	12774	-177561.1413	892717.1372050766	39.23498935053919	-101.426205	290809.6519718945	4555651.458	3426.685743471748	3326.731471239156	3262.834504359344	3267.90710259298	67.845462878149	67.845462878149
296	153	12775	-176901.1413	892717.1372050766	39.23501044664003	-101.4244885	291010.7144817095	4555647.404017455	3425.705194740114	3329.880230282522	3260.339005807767	3266.7505287588	69.5412244747492	66.174739493582
296	153	12776	-176241.1413	892717.1372050766	39.23502249789767	-101.4221566	291211.7826952936	4555643.21011085	3417.128618212619	3329.106173054114	3260.575506454147	3266.563250750113	68.562305799908	66.5427246653300936
297	153	12777	-175581.1413	892717.1372050766	39.23503540371204	-101.4198247	291412.8512447692	4555643.29400026	3413.886716951227	3328.347830034779	3261.312725183007	3266.156705287588	69.5412244747492	66.174739493582
298	153	12778	-174821.1413	892717.1372050766	39.2350464648313	-101.4174928	291613.91918143316	4555635.26880034	3410.644815689346	3327.604362212834	3262.55302520003	3266.7619171	69.5412244747492	66.174739493582
299	153	12779	-174061.1413	892717.1372050766	39.23505638061093	-101.4151698	291814.868711943	4555631.189592334	3408.463389669326	3326.872470462223	3264.2193349182227	3266.563250750113	68.562305799908	66.5427246653300936
300	153	12780	-173301.1413	892717.1372050766	39.2350702149541	-101.412629	292016.0548104106	4555627.138	3407.282397777777	3326.15050810633	3264.185917	3268.155670528758	69.5412244747492	66.174739493582
301	153	12781	-172541.1413	892717.1372050766	39.23508207733651	-101.4104971	292217.122310040024	4555623.03832919	3406.1214859818634	3326.434687058843	3264.1424263369384	3269.70180678669	69.5412244747492	66.174739493582
302	153	12782	-172281.1413	892717.1372050766	39.2350935813427	-101.4081652	292418.189654028	4555619.30705957	3404.960353909615	3324.728118871834	3270.072780065702	3271.4359997835	69.5412244747492	66.174739493582
303	153	12783	-171621.1413	892717.1372050766	39.2351055388644	-101.4058333	292619.2561625323	4555614.97025911	3403.7211448	3324.0230318939104	3272.0300939104	3272.733045022648	69.5412244747492	66.174739493582
304	153	12784	-170961.1413	892717.1372050766	39.23511742959664	-101.4030014	292820.3236315676	4555610.93584789	3402.404214311684	3323.717600477637	3273.7999816097645	3274.399001360317	69.5412244747492	66.174739493582
305	153	12785	-170301.1413	892717.1372050766	39.23512895026707	-101.4011694	293021.3901065139	4555606.82788707	3401.089684316867	3322.603931590717	3274.870381854906	3275.244302373494	69.5412244747492	66.174739493582
306	153	12786	-169641.1413	892717.1372050766	39.23514030891126	-101.3988175	293222.4564595453	4555602.82172045	3399.780572495373	3321.87038555644	3273.318433	3273.59039984237	68.51100535	67.845462878149
307	153	12787	-168981.1413	892717.1372050766	39.23515206847168	-101.3965056	293423.5227822404	4555598.77	3397.050771	3321.022925115967	3268.59915151797	3268.73181976484	68.51100535	67.845462878149
308	153	12788	-168321.1413	892717.1372050766	39.23516397007876	-101.3941737	293624.58881541004	4555594.71837631	3392.930040600097	3320.280561023268	3262.50461131295	3262.5096005404084	67.775948389332825	67.775948389332825
309	153	12789	-167661.1413	892717.1372050766	39.235175062502296	-101.3918148	293825.6545645599	4555590.66868183	3388.800341473995	3319.377057697053	3256.31349614609	3256.314923427125	63.1426429664029	63.1426429664029
310	153	12790	-167001.1413	892717.1372050766	39.23518648295228	-101.3895099	294026.72027319126	4555588.75187975	3388.6857974789	3318.3571748620657	3250.410058085316	3250.331306324105	68.025386110038	68.025386110038
311	153	12791	-166341.1413	892717.1372050766	39.2351978583374	-101.3871779	294227.758962169	4555582.56479124	3382.32992428933	3317.1869110339754	3244.625720804294	3244.67513273839	72.5513977513639	72.5513977513639
312	153	12792	-165681.1413	892717.1372050766	39.23520918872154	-101.384846	294428.85082093627	4555581.53872255	3381.732981317634	3315.84622868594	3248.829353337906	3248.829353337906	76.963330217562	76.963330217562
313	153	12793	-165021.1413	892717.1372050766	39.23522040039074	-101.3825141	294629.9384176871	4555574.84837671	3380.6743877533	3314.01301104575	3249.02817280197	3249.02817280197	81.0716145419823	81.0716145419823
314	153	12794	-164361.1413	892717.1372050766	39.235231741316345	-101.3801262	294830.8907028173	4555570.41296564	3380.53341061305	3312.6873300907487	3247.595251107177	3247.830701643487	85.092840257182	84.859565840002
315	153	12795	-163701.1413	892717.1372050766	39.235242490548294	-101.3778503	295032.0453773178	4555568.3764645	3380.693042116272	3310.83008081594	3241.844538451581	3241.87575310458	89.0584557119321	89.0584557119321
316	153	12796	-163041.1413	892717.1372050766	39.235254059736544	-101.3755183	295233.1097289927	4555562.31706996	3381.589515584917	3309.061073082863	3246.215459287526	3246.215459287526	93.25944401	93.25944401
317	153	12797	-162381.1413	892717.1372050766	39.23526516488112	-101.3731864	295434.17400714336	4555549.28871242	3382.50489387766	3307.209301624195	3241.483632323277	3241.483632323277	96.7391594	96.7391594
318	153	12798	-161721.1413	892717.1372050766	39.23527624981917	-101.370845	295635.23802034406	4555542.31229115	3383.409642900416	3305.2483383893	3241.776764	3241.776764	102.50821956415302	102.50821956415302
319	153	12799	-161061.1413	892717.1372050766	39.23528740039074	-101.36846	295836.3018326741	4555530.67863838	3382.036717977533	3303.33136664379	3246.215459287526	3246.215459287526	105.862378104196	105.862378104196
320	153	12800	-160401.1413	892717.1372050766	39.23529811005246	-101.3661907	296037.3544964405	4555514.11426715	3381.53840021442	3301.483632323277	3246.215459287526	3246.215459287526	109.0754103875072	109.0754103875072
321	153	12801	-159741.1413	892717.1372050766	39.23530913502197	-101.3638587	296238.4285555566	4555510.25659138	3380.734460025513	3309.3601146814336	3246.765492270345	3241.8906384890474	115.5949154112902	115.5949154112902
322	153	12802	-159081.1413	892717.1372050766	39.2353201494774	-101.3615286	296439.4921	4555510.06597888	3380.408331046596	3297.35111	3248.3816237192626	3241.81623771366	158.3203820453299	158.3203820453299
323	153	12803	-158421.1413	892717.1372050766	39.23533085	-101.3591949	296640.550774252	4555510.33968	3380.3652110917933	3295.32959724604	3247.9839389057625	3240.868022104093	175.540298766973	175.540298766973
324	153	12804	-157761.1413	892717.1372050766	39.2353416396779	-101.3568629	296841.617888499	4555519.14042695	3380.58014516135	3293.298139338265	3247.3765480546226	3247.509578623137	192.519128	192.519128
325	153	12805	-157101.1413	892717.1372050766	39.2353523484602	-101.354531	297042.6809495903	4555518.871	3380.795072929158	3291.256307789145	3246.72996998188	3246.72996998188	205.533378170545	205.533378170545
326	153	12806	-156441.1413	892717.1372050766	39.235363842127	-101.3521991	297243.7429112678	4555512.82056523	3380.92142005179	3289.02817280197	3246.215459287526	3246.215459287526	218.0716145419823	218.0716145419823
327	153	12807	-155781.1413	892717.1372050766	39.235373389182	-101.3498672	297435.805126696	4555517.75166204	3380.746578409175	3287.14063894266	3245.22835	3245.22835	231.875731781395	231.875731781395
328	153	12808	-155121.1413	892717.1372050766	39.2353843458513	-101.3475352	297645.867134528	4555513.72746079	3380.406714292246	3285.06893886295	3245.12978917645	3248.99465925976	249.01345686493	249.01345686493
329	153	12809	-154461.1413	892717.1372050766	39.2353943191993	-101.3452033	297846.92853383	4555509.6949878	3380.3673679816	3282.862913162515	3248.854137445957	3248.854137445957	262.798567029377	262.798567029377
330	153	12810	-153801.1413	892717.1372050766	39.23540543774545	-101.3428714	298047.9905697141	4555505.6320789	3380.44538293533	3280.871258546781	3247.45894061045	3247.45894061045	276.19518367255	276.19518367255
331	153	12811	-153141.1413	892717.1372050766	39.235415907310386	-101.3405394	298249.0508275916	4555501.85504194	3380.2710203102612	3278.780523946509	3247.061680440517	3247.061680440517	289.63134218752	289.63134218752
332	153	12812	-152481.1413	892717.1372050766	39.2354263679698	-101.3382075	298450.1132072874	4555507.538573025	3380.06458915003	3276.661729764994	3246.303970419197	3246.303970419197	302.7307157967	302.7307157967
333	153	12813	-151821.1413	892717.1372050766	39.23543698172386	-101.3359184	298657.3589426928	4555504.215476245	3380.229011420929	3275.467816715247	3246.215459287526	3246.215459287526	315.0716145419823	315.0716145419823
334	153	12814	-151161.1413	892717.1372050766	39.23544706631038	-101.333546	298852.2515072951	4555499.45219187	3380.024830804943	3273.61033994266	3245.301156577227	3247.32398825121376	349.07317319086	349.07317319086
335	153	12815	-150501.1413	892717.1372050766	39.2354575499256	-101.3312117	299053.2977930487	4555485.399	3382.084197760426	3270.22468260				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	Surf Elev.	W.Lt.	BREIEVLogKg.f	BREIEVBothK.f	Asot100m	Lat	SurfBothK.f
417	153	112897	-96381.14133	8927.717370250766	39.326148205417844	-111.3999911	31558.391645089937	4355154.256199396	329.2955004045116	3005.797930586349	3005.795830456833	3005.845394271122	45.022100120515934	44.952358315227071
418	153	112898	-96247.14133	8927.717370250766	39.326154710549316	-111.3765911	31550.659451308	4355150.246	327.599643535257	3049.479486	3004.09580013988	3004.13727979987	45.28427813964164	45.24246372642646
419	153	112899	-96101.14133	8927.717370250766	39.32616773719283	-111.3535271	31581.704527352	4355166.195770924	327.599643535257	3049.479486	3004.09580013988	3004.13727979987	45.28427813964164	45.24246372642646
420	153	112900	-94401.14133	8927.717370250766	39.32616773719283	-111.3295911	31612.7487924064	4355142.1658474372	371.7115581776383	3046.064753183346	3000.206280126373	3000.2285846219335	46.39478609573216	46.3746343141251
421	153	112901	-93741.14133	8927.717370250766	39.32617417593686	-111.306632	31633.793195885	4355138.1312209	327.355453685725	3045.232104495939	2998.296389960542	2998.305186626055	46.935741533968	46.93479337387348
422	153	112902	-93081.14133	8927.717370250766	39.32618053314905	-111.283212	31654.837417563	4355134.10652746	322.999349129408	3043.864676729408	2996.703598030497	2996.7302356316395	47.1610802095146	47.1426193025146
423	153	112903	-92421.14133	8927.717370250766	39.32618686358394	-111.259992	31676.85460490634	4355130.072860292	329.727607728967	3042.501293886573	2995.340405078844	2995.403405078844	47.1571231781234	47.09772923
424	153	112904	-91761.14133	8927.717370250766	39.326193148923385	-111.236672	31696.925321011	4355126.048072921	3257.540228138787	3041.140929770748	2994.127173193324	2994.1822361416205	47.01756051451385	46.958705165678046
425	153	112905	-91101.14133	8927.717370250766	39.326199589242355	-111.213523	31714.73690070235	4355122.019111847	3258.32698	3039.784036	2993.854619837135	2993.868219837135	46.8988419519663	46.847214461505246
426	153	112906	-90441.14133	8927.717370250766	39.32620559451581	-111.190032	31739.01251198153	4355117.99032532	3253.16546839912	3038.40891307993	2991.5025891779434	2991.524525273638	46.9281031300495	46.90516603435501
427	153	112907	-89781.14133	8927.717370250766	39.326211374743815	-111.166713	31765.055832824	4355113.961760808	3251.408819599525	3037.08129805732	2990.013594621891	2989.890146108231	46.93479337387348	47.01756051451385
428	153	112908	-89121.14133	8927.717370250766	39.32621783992623	-111.143393	31775.019896011	4355109.9335588	3250.08261651191	3035.7396176268157	2988.2981841176947	2988.288444313822	47.44143351	47.4517119345351
429	153	112909	-88461.14133	8927.717370250766	39.32622390006315	-111.120073	31785.2149554716	4355105.905195999	3248.756949242387	3034.407716115852	2986.540186492387	2986.585231231852	47.822239488400005	47.822239488400005
430	153	112910	-87801.14133	8927.717370250766	39.32622991515452	-111.096753	31815.18474648126	4355101.07199227	3247.431016336424	3033.080883714726	2984.7453167765434	2984.7903719276854	47.7327175499292	47.7327175499292
431	153	112911	-87141.14133	8927.717370250766	39.32623588520035	-111.073433	31835.227360273198	4355097.84939267	3245.238004	3031.782037178125	2983.028292016588	2983.059206908735	48.75377101666564	48.75377101666564
432	153	112912	-86481.14133	8927.717370250766	39.32624181020062	-111.050113	31855.2697961121	4355083.821784109	3242.1779107304	3030.49102818917	2981.515627902025	2981.51408533484	49.975405109167	49.97804278543304
433	153	112913	-85821.14133	8927.717370250766	39.32624789015529	-111.026793	31875.613205448	4355088.794365743	3238.117817426077	3029.217632836986	2979.781593479424	2979.781302473387	50.95493397595623	50.95493397595623
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435	153	112915	-84501.14133	8927.717370250766	39.32625931482791	-110.980154	31915.83963943314	4355081.74070364	3233.1458128342	3026.728592341545	2976.0786437855704	2976.141112002518	50.84721545184405	50.81739212226694
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437	153	112917	-83181.14133	8927.717370250766	39.326270951806	-110.933514	31956.07493169842	4355073.687	3227.71296400421	3024.306874411942	2971.939203	2972.077120609951	52.3614752360357	52.2235706230507
438	153	112918	-82521.14133	8927.717370250766	39.32627641424471	-110.910194	31971.52609597	4355069.60165544	3224.988039595203	3022.72783149657	2969.790520306703	2969.85217326013	53.138041626141	53.0704681895292
439	153	112919	-81861.14133	8927.717370250766	39.3262823025714	-110.886719	31991.5619	4355061.534	3221.90036946581	3020.853247147272	2967.832527148436	2967.832527148436	53.138041626141	53.0704681895292
440	153	112920	-81201.14133	8927.717370250766	39.326287585616094	-110.863554	32013.6023	4355051.6703279	3218.468011	3020.0419056759117	2966.349679784613	2966.223257263816	54.025258745038	54.1864841209308
441	153	112921	-80541.14133	8927.717370250766	39.32629318015077	-110.840235	32034.6437562779	4355057.951858432	3216.03131	3019.740163	2965.714957382194	2965.485368381841	54.025258745038	54.2547923493877
442	153	112922	-79881.14133	8927.717370250766	39.32629858	-110.816915	32055.6642650407	4355053.55627468	3211.594815107419	3018.63596871445	2964.688594133826	2964.552375	53.97473784376186	54.111222363448
443	153	112923	-79221.14133	8927.717370250766	39.32630341219314	-110.793595	32076.7249	4355049.30789375	3208.03019704257	3017.609384868712	2963.43661	2963.302581879535	54.025258745038	54.2547923493877
444	153	112924	-78561.14133	8927.717370250766	39.3263093664578	-110.770275	32096.7652405761	4355045.5048580	3207.3342881938	3016.574107346338	2961.814917480126	2961.717365205131	54.7592519866217	54.86045052607716
445	153	112925	-77901.14133	8927.717370250766	39.3263152652716	-110.746815	32116.80836332	4355041.4803635	3205.6493869451	3015.532471434664	2960.854619837135	2960.854619837135	55.7477951966086	55.8480161041777
446	153	112926	-77241.14133	8927.717370250766	39.326321193747872	-110.723263	32139.355174465	4355037.4551549	3203.94465109635	3014.54540156795	2959.732485196587	2959.732485196587	57.1238491650048	57.1238491650048
447	153	112927	-76581.14133	8927.717370250766	39.3263257972947	-110.700315	32157.8058150394	4355033.403747446	3203.94465109635	3013.549330243038	2958.7421212568284	2958.7421212568284	59.064198629057	59.064198629057
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449	153	112929	-75261.14133	8927.717370250766	39.3263356423236	-110.653675	32192.964217542	4355025.38185244	3200.3158825965483	3011.588325965483	2956.01059418523	2956.01059418523	64.7367266589535	64.41309543748795
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455	153	112935	-71301.14133	8927.717370250766	39.3263685626031	-110.513756	32317.972010364	4355001.239922112	3200.3158825965483	3005.907942326247	2950.7970781195745	2950.7970781195745	78.261231122978	78.1872513542899
456	153	112936	-70641.14133	8927.717370250766	39.326373406509874	-110.490436	32338.2534289497	4354997.217	3200.3158825965483	3004.96391715894	2949.6773541736675	2949.6773541736675	80.2309375422663	80.1548510808706
457	153	112937	-69981.14133	8927.717370250766	39.3263793	-110.467116	32361.273543278	4354993.19412003	3200.3158825965483	3004.079819238027	2948.737592633487	2948.737592633487	82.055110896755	81.9304245865545
458	153	112938	-69321.14133	8927.717370250766	39.3263849196613	-110.444379	32382.7611431308	4354989.172	3200.3158825965483	3003.1965949055	2947.83321128914	2947.83321128914	83.7953227330775	83.53402722057375
459	153	112939	-68661.14133	8927.717370250766	39.32639042176613	-110.421037	32403.6419403257	4354985.0764190257	3200.3158825965483	3002.32146719864	2946.91723818632	2946.91723818632	85.1178494321684	85.1178494321684
460	153	112940	-68001.14133	8927.717370250766	39.32639594196613	-110.397716	32424.3813697071	4354981.126914027	3200.3158825965483	3001.41995912436	2946.853113030225	2946.853113030225	86.545828211675	86.545828211675
461	153	112941	-67341.14133	8927.717370250766	39.326399403424845	-110.373836	32445.241631258	4354977.104890						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtElev.f	SatHtBoth.f
543	1513029	-13221.141327	892717.17170250766	39.26619479922854	-00.8461593	400869.9238987804	4354647.95347639	3067.202228918886	2911.814017487263	2837.0878130050073	2839.1067771934063	74.7262048225553	72.7072403938566
544	1513024	-12961.141133	892717.17170250766	39.2662035976673	-00.8483273	341070.9473162133	4354643.47058438	3065.53226260296	2910.085954258966	2833.248662611139	2837.768925905992	74.3961916387099	72.3161283439033
545	1513025	-11901.141133	892717.17170250766	39.26621194592474	-00.8444683	342171.9150987363	4354639.942	3068.346327617133	2908.313985258686	2833.2196273981515	2835.1207709442908	72.083511666614	72.083511666614
546	1513026	-11241.141133	892717.17170250766	39.26621984232004	-00.8391633	342472.9950338908	4354635.9045814028	3067.31226903017	2906.557394664457	2831.054125911133	2834.472595729084	74.596391533328	72.08114374
547	1513027	-10581.141133	892717.17170250766	39.26622272902899	-00.8368313	341674.0184038405	4354631.93	3060.487898137225	2904.752848664885	2828.700875306103	2832.504849243484	76.0519735887166	72.27490037
548	1513028	-9921.1411327	892717.17170250766	39.2662342868967	-00.8344992	341875.04161982005	4354627.9250453925	3058.700241683914	2902.9297103824033	2826.76617669596	2830.738076027338	76.1635247128016	72.191643550835
549	1513029	-9261.1411327	892717.17170250766	39.2662403303407	-00.8321672	342076.064682141	4354623.91935125	3056.9105894505298	2901.0585943669973	2828.8765147166537	2832.4054295540172	72.2909740844531	72.2909740844531
550	1513030	-8601.1411327	892717.17170250766	39.2662469287216	-00.8298352	342277.0875909787	4354619.51016677	3055.124952411	2899.222342010358	2827.5356810309257	2833.273737040718	76.68664031	71.8834966963996
551	1513031	-7941.1411327	892717.17170250766	39.26625257839382	-00.8276593	342478.1129446353	4354584.15391	3049.852678170854	2895.548462917593	2826.7232846	2831.78115107	76.0199897407648	72.083511666614
552	1513032	-7281.1411327	892717.17170250766	39.2662577689642	-00.8255172	342798.1320490086	4354511.906	3050.129144265697	2895.405	2817.9659183079493	2823.97845941393	74.4489196281057	71.5982267762033
553	1513033	-6621.1411327	892717.17170250766	39.2662625	-00.8228382	342880.1535968084	4354607.90141272	3047.3945081430774	2893.507154863458	2815.643252771766	2822.92575142183	77.92645020916916	71.5982267721274
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555	1513035	-5301.1411327	892717.17170250766	39.26627005017995	-00.8181752	343282.1998401655	4354600.9334404	3042.8915617482034	2889.729827383535	2813.2888105620155	2819.567706339616	69.9961367029204	69.9961367029204
556	1513036	-4641.1411327	892717.17170250766	39.2662740430827	-00.8158432	343483.2218323207	4354595.88958572	3042.089579304327	2887.919614762723	2813.5797617765923	2819.6748724741093	74.339825796601	68.2443602214389
557	1513037	-3981.1411327	892717.17170250766	39.266276855221	-00.8135112	343684.23462729105	4354591.889567799	3042.79799860042	2886.067811485662	2812.3278244104945	2820.680791918715	65.97826137861691	65.97826137861691
558	1513038	-3321.1411327	892717.17170250766	39.26627947749834	-00.8111791	343885.2653607054	4354587.882173907	3040.4856144160517	2884.247518041209	2815.03933606095	2820.463223346217	69.2081843851401	63.7842469491786
559	1513039	-2661.1411327	892717.17170250766	39.2662815	-00.8088471	344086.2868977705	4354583.87938164	3038.291585490745	2882.468982534988	2814.5159345492226	2820.576064641167	65.0252678587526	61.89328607087327
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561	1513041	-1341.1411327	892717.17170250766	39.2662842506481	-00.8041831	344488.329516615	4354575.873751465	3031.1194849691468	2879.072650084835	2814.993754979553	2818.563243060485	64.07899508728204	59.59040720399021
562	1513042	-681.1413269	892717.17170250766	39.2662840477326	-00.8018511	344689.350599545	4354571.871	3027.534239301183	2877.463973633467	2814.18904596615	2818.247119736289	63.2749119736289	59.2168197270555
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564	1513044	638.85867303514	892717.17170250766	39.266285	-00.7971971	345091.3923132674	4354563.86629478	3021.805915406425	2874.407146233984	2812.076384181387	2812.4681027	63.2530434847065	61.9335923141561
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566	1513046	1958.85867303514	892717.17170250766	39.2662831966382	-00.7925231	345493.4342530075	435455.862	3016.555904003005	2871.48773934625	2810.9622151734147	2808.9832323536077	65.1565642	70.59254704106479
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569	1513049	3938.85867303514	892717.17170250766	39.2662771586745	-00.785527	346096.4939839237	4354540.80080717	3005.709146210566	2867.903502606269	2809.5064379882564	2809.68312063702	71.30599417198482	71.30599417198482
570	1513050	4598.8586730351	892717.17170250766	39.2662742450397	-00.783195	346297.5138509473	4354539.869816885	3001.893455070339	2865.719438513925	2808.45261411534	2808.325565784333	67.30429764	59.436387092959194
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572	1513052	5918.8586730351	892717.17170250766	39.266267542295	-00.778551	346699.5517619843	4354531.855234138	2996.890440605784	2862.9815187009146	2806.517618009146	2806.45185235333	65.78471601	65.78471601
573	1513053	6578.8586730351	892717.17170250766	39.2662628	-00.776199	346900.572603905	4354527.85451204	2993.825878939323	2861.490311220191	2806.194704277284	2807.2665696483256	64.704079424687	64.7124145386527
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576	1513056	8586.8586730351	892717.17170250766	39.2662473038848	-00.769203	347503.6380181041	4354515.85430859	2985.2620076025567	2856.0194918467146	2801.205849343713	2807.81369697523	68.8134235234927	68.8134235234927
577	1513057	9288.8586730351	892717.17170250766	39.26624172370628	-00.766871	347704.6488926125	4354511.854958358	2982.016938	2854.562403320244	2800.1478840355675	2807.2897391816563	67.266488475668	70.2266623866789
578	1513058	9978.8586730351	892717.17170250766	39.2662347919777	-00.764549	347905.6655467176	4354507.85144592	2978.771867309052	2852.0171867309052	2800.305777823543	2807.670246891507	65.58580610750131	65.58580610750131
579	1513059	10538.8586730351	892717.17170250766	39.26622775020598	-00.7622098	348106.6861051589	4354505.85785221	2976.200510873857	2852.490402088246	2800.439886521324	2807.14884241671057	63.990791767120754	76.20666040717887
580	1513060	11198.8586730351	892717.17170250766	39.2662203381185	-00.7598749	348307.7045010567	4354499.85671412	2974.42864541401	2850.4296204553	2800.1589383562	2807.078143	63.621340316053	76.8648615532294
581	1513061	11858.8586730351	892717.17170250766	39.26621246514435	-00.7575429	348508.727534611	4354495.85671412	2972.705489149607	2849.363952	2800.732538401064	2807.673141405037	62.614137951683	75.6918107076233
582	1513062	12518.8586730351	892717.17170250766	39.26620414600725	-00.7552109	348709.7040588304	4354491.859	2970.927554661387	2847.372654216297	2800.6357571666126	2807.4382629718017	62.09698826	80.2540024482802
583	1513063	13178.8586730351	892717.17170250766	39.26619537400724	-00.7528789	348910.758176767	4354489.860263281	2969.452733673997	2846.035465524943	2800.466061758576	2807.07002657	61.6659033676372	69.0297996004871
584	1513064	13838.8586730351	892717.17170250766	39.2661861563444	-00.7504949	349111.7762590494	4354483.862	2968.19519709197	2844.192661384448	2800.310525452794	2806.984764106532	58.2318022170308	72.083511666614
585	1513065	14498.8586730351	892717.17170250766	39.2661769498176	-00.7481978	349318.7924861817	4354479.86532912	2966.71867309052	2842.117044193473	2800.1784193473	2806.71867309052	60.0798525599626	60.0798525599626
586	1513066	15158.8586730351	892717.17170250766	39.266166364892	-00.7458823	349513.8118156275	4354475.86532912	2965.746459	2839.67210533117	2800.014820376474	2806.18126375918	58.6222419362499	58.6222419362499
587	1513067	15818.8586730351	892717.17170250766	39.2661557933782	-00.7435509	349714.82918591034	4354471.8678005	2964.17837516587	2836.792049730641	2800.01373706271	2806.981362432517	56.78523170387006	57.9007322981244
588	1513068	16478.858673035											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
69	153	11319	70598.8586730335	892717.17170250766	39.26237560127336	-100.55232266	366197.77707137086	43541.046.698833679	2790.118616	2686.780276161638	2635.6633096798723	2613.257167149707	51.11696193845548	73.5225103725072
670	153	11310	70598.8586730335	892717.17170250766	39.26237085229478	-100.5499946	366380.784080247	43541.04.7180693	2790.12984011379	2685.470032526027	2633.310673625076	2606.841914	52.15096620950968	78.6281189469636
671	153	11311	7128.8586730335	892717.17170250766	39.2623696438176	-100.5478636	366389.7688956574	43541.06.33948809	2780.5150	2681.4537601044835	2634.66033482496	2620.369735050291	54.85853212897854	73.7381760198256
672	153	11312	71918.8586730335	892717.17170250766	39.262361078218284	-100.5453306	366386.794020831	43541.32.75157157	2796.084307032314	2682.805725969179	2627.2035610838	2621.721745715135	58.93096035888154	61.0839002
673	153	11313	72578.8586730335	892717.17170250766	39.262363515	-100.5429896	367001.8003	43541.28.77012488	2796.067125802754	2681.4487175988457	2615.765357922425	2615.682306	59.39625964761218	65.76664135369482
674	153	11314	73238.8586730335	892717.17170250766	39.262361170951405	-100.5406666	367202.80577865016	43541.24.789	2803.2499609112753	2683.074286640036	2609.295720188853	2610.349454768996	70.77730847	69.7230972170397
675	153	11315	73898.8586730335	892717.17170250766	39.26236414975047	-100.5383346	367403.8111569767	43541.20.867916095	2801.962912963196	2678.679124016733	2603.8413671042813	2607.033178609037	74.89352045197394	71.64540514579394
676	153	11316	74584.8586730335	892717.17170250766	39.262341063530806	-100.5360027	367604.8162530806	43541.16.82709773	2796.806173965175	2677.2655497377082	2699.52163434755	2607.025634837226	77.743363839531	72.039862898661
677	153	11317	75218.8586730335	892717.17170250766	39.26235972211136	-100.5336707	368075.8214071095	43541.12.846470085	2798.645892966454	2654.323985296454	2598.2629420724757	2602.1018486768684	78.55004359910527	72.5183388891157
678	153	11318	75678.8586730335	892717.17170250766	39.2623501587135	-100.5313287	368006.8206168096	43541.08.8660313	2773.4525796795	2674.38227990721	2594.057224756984	2601.631154964242	80.32504515123626	72.75112494258995
679	153	11319	76538.8586730335	892717.17170250766	39.2623561448922	-100.5290067	368207.831183109	43541.04.858768835	2777.663828118023	2672.9148135255264	2592.68075315258	2605.042051206859	83.63548768287305	73.00012506859
680	153	11360	77198.8586730335	892717.17170250766	39.2623036805958	-100.5266747	368408.8389092055	43541.00.905731317	2777.16777496763	2671.4324073258263	2591.8137876491264	2602.11550740859	85.618619768915	73.6189997317179
681	153	11361	77858.8586730335	892717.17170250766	39.26231570568415	-100.5243427	368609.8404642367	43540.96.926	2766.685162185723	2669.9375153124124	2591.36580526824	2597.82306701023	87.761708558827	72.11412170540007
682	153	11362	78518.8586730335	892717.17170250766	39.2623094006305	-100.5220107	368810.84491194715	43540.96.94192193	2761.1935467268810	2668.4326248444445	2591.85307209362	2594.302718889814	87.58781763	74.12942865346313
683	153	11363	79178.8586730335	892717.17170250766	39.26230435849624	-100.5196787	369014.834234285	43540.96.96708623	2758.80449175984	2666.920500677733	2591.852448812424	2589.82368888254	87.067095950897	77.0963516849893
684	153	11364	79838.8586730335	892717.17170250766	39.262289188372	-100.517467	369212.843288885	43540.94.8115699	2759.518013160243	2662.02298960202	2591.545818023723	2584.537344811849	87.85648094527915	80.864511715308
685	153	11365	80498.8586730335	892717.17170250766	39.26230346022558	-100.5150147	369418.857488256	43540.91.08	2760.2315291236645	2663.804589795603	2592.01472468591	2580.876729406607	87.8165866109507	83.00372967289584
686	153	11366	81158.8586730335	892717.17170250766	39.2626794352168	-100.5128628	369614.8614225509	43540.77.029401767	2760.245035066105	2662.360505770746	2592.49374034081	2580.055346749994	86.26929015	82.30071832717522
687	153	11367	81818.8586730335	892717.17170250766	39.26282381772145	-100.5103508	369815.865261167	43540.73.05808737	2763.21597604138	2660.80896037673	2592.6513500362976	2583.826237908719	86.17954602746977	76.89625815504764
688	153	11368	82478.8586730335	892717.17170250766	39.2626774749768	-100.5080188	370016.868654784	43540.69.07150321	2761.004436677364	2659.3073618254913	2591.563533	2582.9323906948	86.6803594222065	76.89625815504764
689	153	11369	83138.8586730335	892717.17170250766	39.26267123136167	-100.5056868	370217.87252299115	43540.65.0180077	2760.7267676	2657.788091967356	2587.6594302715444	2585.925615294417	87.12886169580164	69.10257491793907
690	153	11370	83798.8586730335	892717.17170250766	39.2626542624972	-100.5033548	370478.9156965095	43540.61.15366128	2774.701428238157	2656.749761665939	2583.125277262674	2585.9853732447834	73.149518980229	70.28840342479543
691	153	11371	84418.8586730335	892717.17170250766	39.26261029440457	-100.47107	372322.811578009	43540.57.2309175627	2745.972309175627	2658.267844841177	2582.816984402424	2582.251708450258	78.55243088533	72.0330054747085
692	153	11372	85118.8586730335	892717.17170250766	39.262633897339974	-100.469808	370280.8248028234	43540.53.1959458	2767.02390375614	2653.2715578206316	2575.7746329335446	2580.529331370387	77.49602480705078	72.7224250420793
693	153	11373	85778.8586730335	892717.17170250766	39.26264807	-100.4663588	371021.885507462	43540.49.1285077	2760.72143857378	2643.8022689043	2572.925831778538	2581.4057928322276	78.98719891050806	70.37779885881539
694	153	11374	86438.8586730335	892717.17170250766	39.2626421882478	-100.4640269	371222.888	43540.45.20490717	2754.37109930937	2650.3042112427335	2570.4619948240374	2581.8156803732	78.9422164231068	68.3856423094717
695	153	11375	87098.8586730335	892717.17170250766	39.262626613341	-100.4618949	371423.8913195563	43540.41.22777397	2751.297993079907	2648.83569280367	2567.9846793376024	2580.7704175384125	78.9422164231068	68.3856423094717
696	153	11376	87758.8586730335	892717.17170250766	39.26262038973414	-100.489329	371624.8940191127	43540.37.25079565	2751.23850237527	2647.378903170545	2565.596507	2579.320156895814	78.1158573309544	68.05807748099414
697	153	11377	88418.8586730335	892717.17170250766	39.26262428676785	-100.4873068	371826.87886	43540.33.27952646	2751.23850237527	2647.378903170545	2565.596507	2579.320156895814	78.1158573309544	68.05807748099414
698	153	11378	89078.8586730335	892717.17170250766	39.26261822951573	-100.4844697	372028.0440754714	43540.29.297	2751.23850237527	2647.378903170545	2565.596507	2579.320156895814	78.1158573309544	68.05807748099414
699	153	11379	89738.8586730335	892717.17170250766	39.26261217220124	-100.482369	372227.90377373734	43540.25.30893586	2750.9566547134525	2643.084687090453	2556.7845020231486	2633.15264150519	78.1103814777966	79.93325505042626
700	153	11380	90398.8586730335	892717.17170250766	39.26261290384735	-100.480035	372428.903841796	43540.21.345	2750.27542572545	2641.68920688506	2552.929628099977	2555.217143100523	88.759737881825	86.4721195746305
701	153	11381	91058.8586730335	892717.17170250766	39.26261978490346	-100.477703	372629.905668536	43540.17.38895546	2748.8543566397916	2640.308807866761	2549.34384988457	2552.9121621628405	90.9649572869025	87.397182365556
702	153	11382	91718.8586730335	892717.17170250766	39.2619355072005	-100.475371	372830.903670126	43540.13.393	2749.8361202916	2638.944095826402	2550.549418143919	2583.12142338376	88.759737881825	86.4721195746305
703	153	11383	92378.8586730335	892717.17170250766	39.2618726757658	-100.473039	373031.904706758	43540.09.41768142	2747.022579	2637.5858737904763	2550.880281758979	2582.0030773014667	88.7139565139736	75.58980725040963
704	153	11384	93038.8586730335	892717.17170250766	39.26182094400457	-100.47107	373232.811578009	43540.05.2309175627	2745.972309175627	2638.267844841177	2582.816984402424	2582.251708450258	78.55243088533	72.0330054747085
705	153	11385	93698.8586730335	892717.17170250766	39.2617455746482	-100.468375	373433.917488854	43540.01.686222	2740.92203045565	2634.9099780751	2568.337179436767	2566.41372643706	86.5972613634633	68.890771638404
706	153	11386	94358.8586730335	892717.17170250766	39.261681498693	-100.4660431	373634.9142596367	4353.99.41768142	2737.871711165727	2633.515023375064	2545.9491762137803	2560.239870263595	87.6565471413883	73.3751513146899
707	153	11387	95018.8586730335	892717.17170250766	39.2616168720947	-100.4637111	373835.91561312584	4353.95.61276806	2735.045036290372	2632.307152546192	2542.29666305073	2560.239870263595	87.6565471413883	73.3751513146899
708	153	11388	95678.8586730335	892717.17170250766	39.26155179503615	-100.4613971	374036.91684548237	4353.91.5567149	2736.658642423758	2630.50764670584	2540.82678281973	2548.272888168704	91.9178375086111	82.7345758377678
709	153	11389	96338.8586730335	892717.17170250766	39.26148675236	-100.4590471	374237.9175963856	4353.87.10071715	2736.8666504445	2629.704148357323	2538.3258295736514	2543.234733258585	90.9649572869025	87.397182365556
710	153	11390	96998.8586730335	892717.17170250766	39.261426726758	-100.456715	374438.918747901	4353.81.59287894	2737.074854587333	2628.416878488894	2536.674148357323	2543.234733258585	90.9649572869025	87.397182365556
711	153	11391	97658.8586730335	892717.17170250766	39.26136838113634	-100.4543782	374639.918747901	4353.77.10071715	2736.8666504445	2629.704148357323	2538.3258295736514	2543.234733258585	90.9649572869025	87.397182365556
712	153	11392	98318.8586730335	892717.17170250766	39.2612869822606	-100.4520512	374840.902667942							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatHBoth.ft	
54	154	133275	-335001.1413	893337.3170250766	39.2262821534736	-101.9841467	24275.96779723399	4356827.261628825	3895.872091	36.4563859830838	3627.6067885425946	351.8801607911073	88.8470712882437	80.57399309739085
56	154	133276	-334641.1413	893337.3170250766	39.2265107605984	-101.981815	24263.091307105943	4356823.160732084	3892.777075633863	3627.730775633863	3625.31136960765	3612.6343696069623	86.733253530601	82.1348326723986
57	154	133277	-333881.1413	893337.3170250766	39.2267380629596	-101.9784833	243154.21466220585	4356819.940031148	3889.648042923937	3603.124313234613	3623.08712320533	3611.3613520973987	81.7226112506158	77.1261112506158
58	154	133278	-333321.1413	893337.3170250766	39.22696666	-101.9771516	24355.337622928	4356814.959500207	3886.575051	3601.4896267591926	3620.8278501174656	3610.8278501174656	79.12373675400872	70.12373675400872
59	154	133279	-332661.1413	893337.3170250766	39.22721938977851	-101.9748199	24356.64003093731	4356810.859216635	3883.901022244813	3609.872329650658	3618.8105592490136	3612.222954988795	71.06237717107447	77.65034196628904
60	154	133280	-332001.1413	893337.3170250766	39.2274207	-101.9724882	24375.5828017745	4356806.759103089	3886.702027545329	3608.770227545329	3617.067739941325	3610.770227545329	74.1062760800045	76.23106740207155
61	154	133281	-331341.1413	893337.3170250766	39.22764767077482	-101.9701565	24398.70540043342	4356802.659185294	3879.443242296927	3608.67809254174	3614.8886712	3610.7285875294172	71.79090732	75.9509511324169
62	154	133282	-330681.1413	893337.3170250766	39.2278774771797	-101.9678248	244159.8270252755	4356798.5943628	3877.210436270297	3605.012858517777	3612.62196827676	3606.737945347508	72.40629957	78.1373404726968
63	154	133283	-330021.1413	893337.3170250766	39.2280964362442	-101.9654831	244360.94875674756	4356794.45937005	3874.836387242595	3603.81826116271	3610.668316230946	3605.668316230946	72.8435988977173	77.54648418513891
64	154	133284	-329361.1413	893337.3170250766	39.22832234	-101.9631614	244562.0702351053	4356790.36004046	3872.321177	3601.8714644339073	3608.288118605297	3602.2519731073	73.645354833710837	79.6854833710837
65	154	133285	-328701.1413	893337.3170250766	39.228548	-101.9608297	244763.1914602554	4356786.261471735	3869.805697428566	3600.364918230755	3605.978233517877	3607.25917127884	74.6866847119475	83.0978054718866
66	154	133286	-328041.1413	893337.3170250766	39.22877211123064	-101.958498	244964.3124326897	4356782.162332718	3867.290175251518	3607.7962153661697	3606.5899134731057	3605.39830698035	75.2063019296041	86.4381756681349
67	154	133287	-327381.1413	893337.3170250766	39.2289957688223	-101.9561662	245165.43315255	4356778.307683493	3867.224271342124	3601.1543570496424	3589.9471923159276	3600.9471923159276	87.27697818819661	97.27697818819661
68	154	133288	-326721.1413	893337.3170250766	39.2292187604478	-101.9538345	245366.5536199288	4356773.642018175	3858.84759307914	3605.64820485215	3599.037422	3590.129336116083	85.1877812444146	85.1877812444146
69	154	133289	-326061.1413	893337.3170250766	39.22944173297984	-101.9515028	245567.6738314897	4356769.969903039	3854.76212711484	3604.06540599216	3596.397457	3589.4128711768	86.7677489	84.6541188421236
70	154	133290	-325401.1413	893337.3170250766	39.2296643038054	-101.9491711	245768.79379837298	4356765.78733316	3849.266786572874	3602.472816717248	3595.906041175675	3587.77976825016	87.5121750015719	84.69304789231749
71	154	133291	-324741.1413	893337.3170250766	39.2298859854929	-101.9468394	245969.9135081226	4356761.670773301	3845.016389572752	3607.86779054038	3591.6876184619805	3585.81811206909	87.5687379025759	85.0521648442916
72	154	133292	-324081.1413	893337.3170250766	39.2301073012342	-101.9445077	246171.03269696126	4356757.573008478	3841.3058765846956	3609.2487216428	3589.245766503229	3586.245766503229	88.00266171319006	83.09113210585429
73	154	133293	-323421.1413	893337.3170250766	39.23030325660405	-101.9421759	246372.15217814964	4356753.47439761	3837.556347812187	3607.33836909264	3586.798888975995	3585.614294416238	88.014746933268	81.9496917468825
74	154	133294	-322761.1413	893337.3170250766	39.23054876171184	-101.9398442	246573.2712354328	4356749.378064375	3833.8848219395404	3605.9650502611777	3583.95028402109	3583.614785449349	82.0002158906851	81.3464841173816
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76	154	133296	-321441.1413	893337.3170250766	39.2309884205098	-101.9351908	246975.508973602	4356741.18300475	3828.776827761926	3602.913213398022	3578.847762698026	3581.169950508386	83.7434872899428	81.4212763863439
77	154	133297	-320781.1413	893337.3170250766	39.2312156974711	-101.9328549	247176.1460276716	4356737.88171424	3826.34675750508	3602.341765573731	3578.1079127484655	3579.78187866325	81.710873054253	81.710873054253
78	154	133298	-320121.1413	893337.3170250766	39.2314462277977	-101.9305173	247377.74455710918	4356732.9505273	3824.439552780185	3605.13259746636	3573.0748052404767	3578.44411535960	80.678704245593	80.6828591297597
79	154	133299	-319461.1413	893337.3170250766	39.23164445311055	-101.9281856	247578.8622616058	4356728.918432753	3821.3213773698618	3607.377799273	3569.589885702266	3577.12165557067	87.78074827261222	80.24507216216222
80	154	133300	-318801.1413	893337.3170250766	39.2318623338691	-101.9258538	247779.979162032	4356724.79733827	3817.2523148252147	3605.570620614783	3565.7028613007	3565.072819577528	88.9838139334776	79.50324203327553
81	154	133301	-318141.1413	893337.3170250766	39.2320796862599	-101.9235221	247981.0986	4356720.7192958	3813.3670844737474	3601.1654663703466	3574.95617370465	3562.95617370465	82.9548110340079	78.8081676969802
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83	154	133303	-316821.1413	893337.3170250766	39.232518308961	-101.9188668	248383.336189781	4356712.611	3805.23562862438	3600.364918230755	3554.7808410215249	3562.25926362438	81.710873054253	81.710873054253
84	154	133304	-316161.1413	893337.3170250766	39.23274204115235	-101.9165289	248574.4073032693	4356708.415092232	3803.4776159117	3600.187670158911	3554.3381164040484	3563.2319891894	82.9548110340079	84.9385025919618
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91	154	133311	-311541.1413	893337.3170250766	39.2342284393084	-101.9002047	249932.252579637	4356679.752690927	3800.364918230755	3602.341765573731	3545.3868469311013	3545.3868469311013	81.50138743525078	81.50138743525078
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93	154	133313	-310221.1413	893337.3170250766	39.2346527584482	-101.8955412	250394.83897510368	4356671.56512317	3815.506733991679	3605.518373530854	3535.49350408847	3538.10269993970	80.5683332640834	92.49417373917841
94	154	133314	-309561.1413	893337.3170250766	39.23486482829599	-101.8932095	250595.5975214148	4356667.472	3810.58066022313	3602.341765573731	3532.7889701195677	3532.7889701195677	81.710873054253	96.27406622
95	154	133315	-308901.1413	893337.3170250766	39.235075330554	-101.8908777	250796.7168224497	4356663.378415542	3804.7989570081713	3602.341765573731	3532.8379881642866	3535.6257934	83.3394957706835	83.3394957706835
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97	154	133317	-307581.1413	893337.3170250766	39.2354976769645	-101.8862824	251140.0513937891	4356655.0997216	3794.834325453043	3602.629037421594	3528.1569080738	3531.754009554472	81.50138743525078	81.50138743525078
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99	154	133319	-306261.1413	893337.3170250766	39.2358912308915	-101.882189	251							

ix	iy	icat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfHtgsKgr.f	SurfHtgsKgr.f
181	154	13401	-252141.1413	89.333731720250766	39.32515404653419	-01.6903423	608091.59173202474	4356312.088319307	3667.6298292782703	3467.5995559807416	3397.9069777130167	3398.04104682934	39.26857819439918	98.55854122488181
182	154	13402	-251481.1413	89.333731720250766	39.325171232700076	-01.6880108	608292.68477607373	4356308.012038442	3666.4133809837268	3466.108942020744	3393.2640712499756	3393.294621023471	39.278018170250978	98.5612718798565
183	154	13403	-250921.1413	89.333731720250766	39.32518374024074	-01.6856786	608493.7776323446	4356303.83863764	3664.0498522749347	3464.5268469877536	3389.2416027982408	3389.167058311988	39.2780180234399	98.5638167294562
184	154	13404	-250161.1413	89.333731720250766	39.32520547017809	-01.6833647	608694.80471607393	4356299.86019685	3663.038718187294	3463.14438711261	3387.673578375886	3387.603590865312	39.2780180234399	98.5638167294562
185	154	13405	-249601.1413	89.333731720250766	39.32522252131017	-01.6810149	608895.96250362426	4356295.784	3657.028717138934	3461.6719074903554	3386.2633291007005	3380.180714383545	39.2780180234399	98.5638167294562
186	154	13406	-248841.1413	89.333731720250766	39.32523953	-01.678683	609097.05465263247	4356291.7088651275	3656.5182309891238	3460.209261851157	3377.809354372266	3377.809354372266	39.2780180234399	98.5638167294562
187	154	13407	-248181.1413	89.333731720250766	39.32525648845024	-01.6763511	609298.1465447239	4356287.6554980126	3649.85625399274	3458.7648065892444	3375.765182800404	3375.765182800404	39.2780180234399	98.5638167294562
188	154	13408	-247521.1413	89.333731720250766	39.32527340445821	-01.6740193	609498.2581171715	4356283.558447804	3646.0436454593423	3457.32916093022	3373.831877263746	3373.831877263746	39.2780180234399	98.5638167294562
189	154	13409	-246861.1413	89.333731720250766	39.325290275424734	-01.6718784	609700.326858709	4356279.483531453	3643.2207703194104	3455.8208496872567	3371.97108223046	3371.97108223046	39.2780180234399	98.5638167294562
190	154	13410	-246201.1413	89.333731720250766	39.32530710134579	-01.6693555	609901.429783627	4356275.408089393	3638.41041707394	3454.5174089346815	3370.167321560543	3370.167321560543	39.2780180234399	98.5638167294562
191	154	13411	-245541.1413	89.333731720250766	39.3253238823333	-01.6670237	610205.5118602452	4356271.343283236	3635.42225225591	3453.1968464090387	3368.421490008074	3368.421490008074	39.2780180234399	98.5638167294562
192	154	13412	-244881.1413	89.333731720250766	39.32534061807533	-01.6646918	610430.6026	4356267.25981537	3631.263373935827	3451.89117246873	3366.7187054526963	3366.7187054526963	39.2780180234399	98.5638167294562
193	154	13413	-244221.1413	89.333731720250766	39.3253573308875795	-01.6623599	610649.8315829116	4356263.185814591	3631.2632619749057	3450.63019749057	3365.136129068475	3365.136129068475	39.2780180234399	98.5638167294562
194	154	13414	-243561.1413	89.333731720250766	39.32537339464664	-01.6600281	610705.7834652675	4356259.11872479	3629.162779325176	3449.4187457807804	3363.403616891217	3363.403616891217	39.2780180234399	98.5638167294562
195	154	13415	-242901.1413	89.333731720250766	39.3253905551895	-01.6576962	610708.673484505	4356255.08125191	3627.8977925715076	3448.2613034884146	3361.8941235989947	3361.8941235989947	39.2780180234399	98.5638167294562
196	154	13416	-242241.1413	89.333731720250766	39.3254071010747	-01.6553463	610717.9634042002	4356250.964572722	3627.457142646797	3447.162587796197	3360.656704892097	3360.656704892097	39.2780180234399	98.5638167294562
197	154	13417	-241581.1413	89.333731720250766	39.32542362166134	-01.6530234	610739.0530431656	4356246.4891215064	3627.019502813687	3446.12183809314	3359.888276	3359.888276	39.2780180234399	98.5638167294562
198	154	13418	-240921.1413	89.333731720250766	39.325440092735304	-01.6507006	61107.1510423871	4356242.810652029	3626.58012136297	3445.13442653623	3359.985247696321	3359.985247696321	39.2780180234399	98.5638167294562
199	154	13419	-240261.1413	89.333731720250766	39.32545680780392	-01.6483867	611171.2316710813	4356238.745084153	3625.916759	3444.197969	3361.017049	3361.017049	39.2780180234399	98.5638167294562
200	154	13420	-239601.1413	89.333731720250766	39.3254728331253	-01.6460368	611219.3207505196	4356234.762310084	3625.0364090158	3443.762335503	3361.816707267552	3362.36017949203	39.2780180234399	98.5638167294562
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202	154	13422	-238281.1413	89.333731720250766	39.325505499212398	-01.6413731	611372.41907250777	4356226.527346652	3623.1410532725296	3441.635405525986	3359.089076076767	3359.089076076767	39.2780180234399	98.5638167294562
203	154	13423	-237621.1413	89.333731720250766	39.32552267524734	-01.6390413	611428.7251713453721	4356222.481571721	3622.1410532725296	3440.7251713453721	3358.1410532725296	3358.1410532725296	39.2780180234399	98.5638167294562
204	154	13424	-236961.1413	89.333731720250766	39.32553937	-01.6367093	611472.6742353575	4356218.33316334	3616.392149015057	3440.070628139985	3357.3409434526963	3357.3409434526963	39.2780180234399	98.5638167294562
205	154	13425	-236301.1413	89.333731720250766	39.32555408523582	-01.6343774	611472.6742353575	4356218.33316334	3616.392149015057	3440.070628139985	3357.3409434526963	3357.3409434526963	39.2780180234399	98.5638167294562
206	154	13426	-235641.1413	89.333731720250766	39.3255710949308	-01.6320455	611489.67414068	4356210.24	3607.84826269776	3438.56252976875	3356.057979576357	3349.819356547348	39.2780180234399	98.5638167294562
207	154	13427	-234981.1413	89.333731720250766	39.32558652070833	-01.6297136	611593.793055507	4356206.16834943	3604.67416726203	3437.156937692006	3348.378713808024	3348.378713808024	39.2780180234399	98.5638167294562
208	154	13428	-234321.1413	89.333731720250766	39.32560256881513	-01.6273818	611593.793055507	4356206.16834943	3604.67416726203	3437.156937692006	3348.378713808024	3348.378713808024	39.2780180234399	98.5638167294562
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210	154	13430	-233001.1413	89.333731720250766	39.32563611101716	-01.6227718	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
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213	154	13433	-231021.1413	89.333731720250766	39.325687616611607	-01.6157223	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
214	154	13434	-230361.1413	89.333731720250766	39.32569471103647	-01.6133904	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
215	154	13435	-229701.1413	89.333731720250766	39.32571134914834	-01.6110858	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
216	154	13436	-229041.1413	89.333731720250766	39.32572875512684	-01.6087626	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
217	154	13437	-228381.1413	89.333731720250766	39.325745944755411	-01.6064387	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
218	154	13438	-227721.1413	89.333731720250766	39.325763194029534	-01.6041026	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
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220	154	13440	-226401.1413	89.333731720250766	39.325797936470735	-01.5993939	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
221	154	13441	-225741.1413	89.333731720250766	39.325815283492481	-01.5970671	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
222	154	13442	-225081.1413	89.333731720250766	39.325832714887643	-01.5947352	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
223	154	13443	-224421.1413	89.333731720250766	39.325850000000000	-01.5924084	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.156937692006	3347.156937692006	39.2780180234399	98.5638167294562
224	154	13444	-223761.1413	89.333731720250766	39.325867283212224	-01.5900714	611604.739214107127	4356202.481571721	3603.94915154776	3436.3782402154776	3347.15693			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThLoHgs.ft	SatThBothH.
300	154	13327	-169881.1413	89337.31720520676	39.2696480526526	-101.3965205	293427.5802660255	4355800.00949927	3401.069748196596	3230.078122363221	3262.9787854117403	57.099336951480836	57.2822269590902
308	154	13528	-168321.1413	89337.31720520676	39.2697631605987	-101.3941885	293628.6465690454	4355796.567179835	3396.2229121425175	3319.24679012525	3258.299769012525	58.059733923676	61.1570088571524
309	154	13529	-168291.1413	89337.31720520676	39.2697818181628	-101.3918665	293629.712426575	4355791.908133914	3393.86710684395	3319.237399878161	3257.971985	58.3033456275016	61.222323548445
310	154	13530	-167001.1413	89337.31720520676	39.269990262307	-101.3892455	294030.7717492241	4355787.854719454	3396.52940034058	3317.229345070212	3247.448713896515	58.790063117456969	69.0180681746018
311	154	13531	-166341.1413	89337.31720520676	39.2701057831961	-101.3871926	294231.8423716787	4355783.804	3382.701489254895	3316.057791867795	3241.913434183383	58.2419035994451037	74.1431347644124
312	154	13532	-165681.1413	89337.31720520676	39.2720271581	-101.384806	294432.9074	4355779.752339983	3374.747951640983	3326.476381731897	3236.417638749338	58.12731136477938	78.33534223
313	154	13533	-165021.1413	89337.31720520676	39.27203319457843	-101.3825286	294633.9722098955	4355775.701729776	3377.084158243078	3313.3010767066207	3230.8538221236126	58.032584380089	82.4487805307157
314	154	13534	-164361.1413	89337.31720520676	39.27044443514071	-101.380196	294835.03682607086	4355771.611153992	3374.275427326825	3313.714622139183	3232.165287336939	58.56617488	86.54223772993146
315	154	13535	-163701.1413	89337.31720520676	39.2706553058144	-101.3778656	295036.101248557	4355767.006891328	3373.101567803377	3312.9526896541647	3231.826896541647	58.64695658008016	90.46891254
316	154	13536	-163041.1413	89337.31720520676	39.27206778113078	-101.3755327	295237.165453525	4355763.550426983	3374.794095759522	3312.94258543113	3215.251064853267	58.903119399	93.5627322392438
317	154	13537	-162381.1413	89337.31720520676	39.270778865854	-101.3730027	295438.229465328	4355759.500428542	3376.06990602844	3306.509045393326	3213.14447522069	58.934571102568	94.1575428573955
318	154	13538	-161721.1413	89337.31720520676	39.2720894694147	-101.3708687	295639.3292700915	4355755.45088006	3377.348040447655	3304.659915707825	3216.59632641668	58.0638306610309	88.705041560394
319	154	13539	-161061.1413	89337.31720520676	39.27209602279505	-101.3685367	295840.356885283	4355751.400491363	3377.73530788545	3302.753570388545	3226.667876112575	58.1767487259697	78.8785043738105
320	154	13540	-160401.1413	89337.31720520676	39.2721053257262	-101.3662407	296041.420294906	4355753.31488603	3377.36439939203	3300.8621812353063	3227.336151676858	58.32696301875997	63.52629558448045
321	154	13541	-159741.1413	89337.31720520676	39.27212186	-101.3638728	296242.4830570256	4355743.307	3393.40530404671	3298.92562415506	3237.74195600111	58.13936940259446	59.3651111349565
322	154	13542	-159081.1413	89337.31720520676	39.272132802405	-101.361498	296443.54651217023	4355739.253	3399.652968172487	3296.906391241114	3226.683003343633	58.2839201594837	58.0704378642766
323	154	13543	-158421.1413	89337.31720520676	39.272145378182326	-101.3592088	296644.693026966	4355735.204	3404.853812947505	3294.99786203906	3228.851676639324	58.32550514325255	56.447291851035516
324	154	13544	-157761.1413	89337.31720520676	39.27215436	-101.3568768	296845.6192918554	4355731.155616264	3400.405548337716	3293.012036479863	3235.354989702907	58.3268018904227	57.6570451
325	154	13545	-157101.1413	89337.31720520676	39.2721651083638	-101.3545448	297046.7343811506	4355727.107132816	3406.267687396016	3291.0130596643535	3234.815068864852	58.328259307	52.7540228697034
326	154	13546	-156441.1413	89337.31720520676	39.2721798387096	-101.3522128	297247.7965476825	4355723.058843204	3407.6659592027	3289.01164667776	3234.1191536289302	58.32837364077697	56.6532439007778
327	154	13547	-155781.1413	89337.31720520676	39.271864363528	-101.3498088	297448.8586	4355719.010747424	3407.712667894774	3286.93387071220	3233.384393401363	58.4934949152102	52.59194817726306
328	154	13548	-155121.1413	89337.31720520676	39.272197329638	-101.3474848	297849.520651065	4355714.562845467	3405.376899789534	3282.974713377728	3233.46647165594	58.227229554737194	51.4723017317375
329	154	13549	-154481.1413	89337.31720520676	39.272408822308	-101.341909	298464.7654595147	4355698.312581148	3397.974732246988	3284.917532246988	3224.415176271784	58.05811082595238	50.54729055626338
330	154	13550	-153801.1413	89337.31720520676	39.27221815802593	-101.342849	298652.043395674	4355676.86722996	3391.817539530696	3280.825705295292	3231.3396820569255	58.3574515513809	49.4860718463048
331	154	13551	-153141.1413	89337.31720520676	39.272382382328	-101.3405529	298823.10471117336	4355702.82	3397.863042345614	3278.749200735284	3229.73462872796	58.4925712623893	49.01274623049
332	154	13552	-152481.1413	89337.31720520676	39.27239062549226	-101.3382209	298845.1657843527	4355698.7317307	3392.806931125197	3276.658519335647	3227.18182231798	58.32446497728014	48.846911024675
333	154	13553	-151821.1413	89337.31720520676	39.272449472988	-101.3358889	298855.2265	4355684.726	3397.764219905232	3274.553220020684	3225.68635416678	58.46867859	42.9852702282594
334	154	13554	-151161.1413	89337.31720520676	39.272597695452	-101.3335659	298865.28716927586	4355680.67950117	3392.6898068562673	3272.432963332014	3222.894622487634	58.229186113299484	49.5383410537782
335	154	13555	-150501.1413	89337.31720520676	39.2727008157154	-101.3312268	299057.347953274	4355682.93569159	3391.97112757968	3270.974179701225	3228.334718963514	58.16700613699004	50.47392369876905
336	154	13556	-149841.1413	89337.31720520676	39.2727382961	-101.328929	299248.07199025	4355682.3487	3392.48178194594	3271.637405516096	3227.637405516096	58.16700613699004	42.104962523787
337	154	13557	-149181.1413	89337.31720520676	39.2727305366987	-101.3265609	299469.6478492178	4355678.96722996	3395.95115589003	3265.961288	3214.798426654566	58.226802664083	51.182861733443376
338	154	13558	-148521.1413	89337.31720520676	39.27273006951512	-101.3242289	299650.5278616777	4355674.49442859	3397.386170545693	3263.8023297189998	3215.95117947369	58.221089246116924	51.182861733443376
339	154	13559	-147861.1413	89337.31720520676	39.2727310895871	-101.321869	299861.587317368	4355670.848712046	3397.548642489127	3261.01628261542	3209.913439195338	58.222752638956446	51.69864342120394
340	154	13560	-147201.1413	89337.31720520676	39.2727308779776	-101.3195649	300062.64675650094	4355660.403135361	3398.139571829771	3259.406711362913	3207.5080069468625	58.196804711428814	36.44324983336853
341	154	13561	-146541.1413	89337.31720520676	39.27330933296384	-101.3172259	300263.7059959244	4355662.5775297	3385.164489	3257.189673	3205.541597628995	58.2223665454515487	51.68407534234374
342	154	13562	-145881.1413	89337.31720520676	39.273408822308	-101.314909	300464.7654595147	4355658.312581148	3397.974732246988	3284.917532246988	3224.415176271784	58.05811082595238	50.54729055626338
343	154	13563	-145221.1413	89337.31720520676	39.273568122004	-101.312689	300665.823696656	4355627.66776076	3396.572897359394	3252.728962568706	3220.848520678206	58.224704571808317	49.842540982114
344	154	13564	-144561.1413	89337.31720520676	39.273760706894	-101.3102369	300866.882516554	4355650.222276373	3385.16591129958	3250.48139252518	3201.343649193752	58.225185961482246	49.13774333156607
345	154	13565	-143901.1413	89337.31720520676	39.2737055025077	-101.3079049	301067.8401111754	4355646.178157609	3382.3589258182002	3200.153972021157	3224.50024120965	58.40722816084504	23.72415710955774
346	154	13566	-143241.1413	89337.31720520676	39.2738034369919	-101.3055729	301268.9927525956	4355642.134	3385.195193828674	3245.957397458015	3198.67413719463	58.22717623258104	47.283079543208714
347	154	13567	-142581.1413	89337.31720520676	39.273901304215	-101.3032409	301470.0573442837	4355638.08952344	3379.18975713873	3237.657315861187	3227.18182231798	58.2223665454515487	51.68407534234374
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349	154	13569	-141261.1413	89337.31720520676	39.2740963651685	-101.298929	301864.7654595147	4355628.912818104	3394.974732246988	3284.917532246988	3224.415176271784	58.05811082595238	50.54729055626338
350	154	13570	-140601.1413	89337.31720520676	39.274190953827	-101.296448	302073.203827221	4355625.968021931	3364.502152364932	3236.751132811904	3210.06165023346	58.2235718814954	44.69004528484550
351	154	13571	-139941.1413	89337.31720520676	39.27428669272	-101.2939129	302274.28763733025	4355621.91457579	3396.969671318822	3242.437346751005	3190.3649267367728	58.2235718814954	44.69004528484550
352	154	13572	-139281.1413	89337.31720520676	39.274328189124725	-101.2915809	302475.347698667	4355617.93232195	3354.805717482452	3232.03664049017	3188.627706213986	58.2235718814954	44.69004528484550
353	154	13573	-138621.1413	89337.31720520676	39.274478184264	-101.2892489	302676.40167251055	4355613.82624308	3348.67179304173	3229.72587889818	3186.91542730214	58.2235718814954	44.69004528484550
354	154	13574	-137961.1413	89337.31720520676	39.2745712	-101.2869169	302877.45881477	4355609.785	3347.67179304173	3227.657315861187	3185.10299740301	58.2235718814954	44.69004528484550
355	154	13575	-137301.1413	89337.31720520676	39.274								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
431	15363	-85281.14133	89337.31720520766	39.32806043689109	-01.1028689	318760.344096423	4355291.010200959	3241.341115422183	2990.442146882651	2980.408577805018	2980.425457	49.0356907763373	49.01668995751695	
434	15364	-85161.14133	89337.31720520766	39.32806627194502	-01.1055648	318961.385485828	4355266.962799541	3237.9040607793934	3028.172749825414	2978.650025857979	2978.7042639344683	49.51732304526233	49.43248547885816	
435	15365	-84901.14133	89337.31720520766	39.3280728196017	-01.0988629	319162.478511498	4355258.766	3234.5562381141	3026.820943384465	2976.9650248730466	2976.9650248730466	50.044200899178564	49.9644636839272	
436	15366	-83841.14133	89337.31720520766	39.32807780692461	-01.0950068	319363.4692	4355275.78952617	3235.3539846675261	3025.660116068768	2975.06105450209252	2975.06105450209252	50.6249173176253	50.6054904074001	
437	15367	-83181.14133	89337.31720520766	39.32808350684225	-01.0933587	319564.51052543205	4355274.901753091	3228.632406473178	3024.4734734010827	2972.913249634817	2972.907081111163	51.566034073600725	51.5666538996384	
438	15368	-82521.14133	89337.31720520766	39.32808617131116	-01.0910267	319765.5169790131	4355270.87513231	3226.619631638103	3023.2681916638103	2970.630486170544	2970.511557129823	52.6824547676903	52.77443593929454	
439	15369	-81861.14133	89337.31720520766	39.32809477	-01.0888946	319966.5269392956	4355266.46886882	3222.5504597611	3022.125646078447	2968.0395830198872	2967.78130331678	54.080630585893	54.34381305	
440	15360	-81201.14133	89337.31720520766	39.3281033631448	-01.0863626	32017.6331402077	4355262.82423147	3218.505260265325	3020.9934347061107	2967.18263211568847	2966.971329681156	53.810802510216035	54.02150502459472	
441	15361	-80541.14133	89337.31720520766	39.3281058634484	-01.0846305	320368.5741582815	4355258.766	3214.770517455454	3019.899611549694	2966.382413301096	2966.3807685375605	52.9062985478351	53.08936527748931	
442	15362	-79861.14133	89337.31720520766	39.32811133072859	-01.0816985	320569.1746289162	4355254.77053437	3210.81185959639	3018.813185959639	2966.364797746735	2966.229893	52.44839085173134	52.5862057781334	
443	15363	-79221.14133	89337.31720520766	39.32811673065452	-01.0793664	320770.75482012943	4355250.744689683	3210.5717264645895	3017.7600444825554	2965.3363211551708	2965.2841044589247	52.4758832084071	52.4758832084071	
444	15364	-78561.14133	89337.31720520766	39.328122144459384	-01.0770344	320971.7983812874	4355246.719397528	3204.3552781960952	3016.7259316978875	2964.003486443753	2963.99412889035	52.72244705413659	52.717802807532044	
445	15365	-77901.14133	89337.31720520766	39.32812744849851	-01.0747023	321172.83498111635	4355243.664118362	3201.138793620167	3015.7078800467134	2962.2932348339597	2962.2932348339597	53.36144520173459	53.36144520173459	
446	15366	-77241.14133	89337.31720520766	39.32813277899475	-01.0723703	321373.8747994754	4355238.66903203	3197.912309569107	3014.702996705574	2960.27814810524	2960.27814810524	53.7720130165276	53.7720130165276	
447	15367	-76581.14133	89337.31720520766	39.32813802844415	-01.0700382	321574.9143428814	4355234.644139875	3194.413204	3013.7091733014384	2959.7561133995653	2959.7561133995653	54.1480912285288	54.1480912285288	
448	15368	-75921.14133	89337.31720520766	39.32814322384666	-01.0677602	321775.953760672	4355230.61948137	3190.611478	3012.735795101244	2958.75970873553	2958.75970873553	57.96602587	57.96602587	
449	15369	-75261.14133	89337.31720520766	39.32814839220228	-01.0653741	321976.99300706474	4355226.59404357	3186.809752474603	3011.751726001885	2957.164948484643	2957.164948484643	60.1022357552433	59.8752121005783	
450	15370	-74601.14133	89337.31720520766	39.32815350651101	-01.0630421	322178.7801707615	4355220.55015629	3183.08025865504	3010.76202125966	2956.2802125966	2956.2802125966	61.4196418432022	61.41709290938302	
451	15371	-73941.14133	89337.31720520766	39.3281585757281	-01.06071	322379.0785730796	4355218.546439642	3180.483472612413	3009.828644796739	2955.70559595536	2955.8249147191324	64.5525888371526	64.0037309924696	
452	15372	-73281.14133	89337.31720520766	39.3281636	-01.058378	322580.1096968463	4355214.522664489	3179.238792320606	3008.87566260073	2954.2828984	2954.17702584837	65.62058318534	65.70133680235272	
453	15373	-72621.14133	89337.31720520766	39.328168579155616	-01.0560459	322781.1428295154	4355210.499	3177.9932120269877	3007.9355470008727	2954.1728334	2954.1393978214484	66.2072103165276	65.99576378588881	
454	15374	-71961.14133	89337.31720520766	39.32817313766646	-01.0537139	322982.186625746	4355206.475246653	3176.747617333173	3006.9952413791338	2954.01701705658	2954.01701705658	67.5682754489745	67.36604723634448	
455	15375	-71301.14133	89337.31720520766	39.3281780365873	-01.0513818	323185.224835873	4355202.451933651	3175.988387	3004.701563745663	2954.05178178454	2954.05178178454	68.62524546732	68.4964636839272	
456	15376	-70641.14133	89337.31720520766	39.3281834537779	-01.0490908	323384.262619458	4355198.447276054	3176.0802243431	3005.147405482611	2954.262489894545	2954.555547946481	68.840059561578	68.840059561578	
457	15377	-69981.14133	89337.31720520766	39.3281880453794	-01.0467177	323585.3007208052	4355194.40581091	3176.05408347839	3004.254088151874	2953.571007109736	2954.003715639635	68.96405475138	68.96405475138	
458	15378	-69321.14133	89337.31720520766	39.3281927992109	-01.0443587	323786.33840731916	4355190.383038632	3176.0207538522476	3004.334654004454	2953.87450278619	2954.276161079447	69.4790715128628	69.4790715128628	
459	15379	-68661.14133	89337.31720520766	39.328197951	-01.0420536	323987.3760213612	4355186.36	3176.401485230279	3002.445320146187	2954.38914539678	2954.38914539678	70.5846017450398895	70.5846017450398895	
460	15380	-68001.14133	89337.31720520766	39.328202172018758	-01.0397216	324188.4133640721	4355182.13073152	3177.129647156345	3001.565784583288	2953.8434935356127	2953.669758	70.49213450971611	70.49213450971611	
461	15381	-67341.14133	89337.31720520766	39.3282074961088	-01.0373895	324389.585678313	4355178.41136281	3176.9318837	3000.703763745663	2953.78141136281	2953.78141136281	71.55838368264538	71.55838368264538	
462	15382	-66681.14133	89337.31720520766	39.3282184545505	-01.0350733	324590.473307314	4355174.33075041	3176.7750261446	2999.84460799139	2953.66400799139	2953.66400799139	72.610335460213	72.610335460213	
463	15383	-66021.14133	89337.31720520766	39.3282185832514	-01.0327254	324791.524361843	4355170.272066522	3176.646426734747	2998.99777990055	2954.90834893539	2954.6101922743304	73.08884389469556	73.08884389469556	
464	15384	-65361.14133	89337.31720520766	39.32822037690522	-01.0303934	324992.56118185986	4355166.25	3176.580376172377	2998.1599674827726	2954.35405432806	2954.35405432806	74.29761316112265	74.29761316112265	
465	15385	-64701.14133	89337.31720520766	39.32822481550929	-01.0280613	325193.597504458	4355162.29207687	3176.549648646729	2998.33057954419	2980.958676054993	2982.960007136355	74.37161193891916	74.4245274887316	
466	15386	-64041.14133	89337.31720520766	39.32822920906629	-01.0257293	325394.383169503	4355152.10779353	3175.501259321831	2996.5071305884063	2975.773631212326	2975.773631212326	75.19679165692447	75.19679165692447	
467	15387	-63381.14133	89337.31720520766	39.32823557676022	-01.0233972	325595.6696942364	4355154.18679727	3175.8717555153846	2995.69993886263	2973.646148999012	2972.3824675781055	75.4044027272535	75.308829710158756	
468	15388	-62721.14133	89337.31720520766	39.32823789107697	-01.0210511	325796.703869873	4355151.165914804	3175.81137048827	2994.8202151708763	2974.57215708976	2974.57215708976	76.211011787692	76.211011787692	
469	15389	-62061.14133	89337.31720520766	39.32824212	-01.0187331	325997.741285058	4355146.008917458	3176.0082243431	2994.028267848674	2973.926267848674	2973.926267848674	77.0651591742739	77.0651591742739	
470	15390	-61401.14133	89337.31720520766	39.3282463328236	-01.016401	326198.7773723023	4355142.10493038	3176.58901097537	2993.2885596890596	2973.541740251626	2972.98896464326	77.9469142753365	77.9469142753365	
471	15391	-60741.14133	89337.31720520766	39.32825050114527	-01.014069	326399.8182419327	4355138.10436177	3176.305418126987	2992.48650718584	2971.373166620787	2970.9604589	78.1253340565038	78.1253340565038	
472	15392	-60081.14133	89337.31720520766	39.32825446149806	-01.0117369	326600.8481731617	4355134.0846183	3176.64738263226	2991.711682093355	2969.2684478924037	2968.6711944537466	78.32427401690475	78.32427401690475	
473	15393	-59421.14133	89337.31720520766	39.32825870264772	-01.0094049	326801.8836231236	4355130.96405445	3176.398983232177	2990.8329633701874	2969.18349473224	2968.5988815221349	78.531304262680615	78.531304262680615	
474	15394	-58761.14133	89337.31720520766	39.32826275827598	-01.0070728	327002.9162020165	4355126.48941576	3176.3308801749094	2990.316710870651	2968.454207902778	2968.454207902778	79.35843306634679	79.35843306634679	
475	15395	-58101.14133	89337.31720520766	39.3282679298077	-01.0047881	327204.967764886	4355122.98346329	3176.378823648735	2989.451066278156	2967.87349895973	2967.87349895973	80.0279340699557	80.0279340699557	
476	15396	-57441.14133	89337.31720520766	39.3282706704686	-01.0024807	327404.967764886	4355118.006991745	3176.173304117454	2988.54905478283	2967.966793579176	2967.966793579176	80.8242712136522	80.8242712136522	
477	15397	-56781.14133	89337.31720520766	39.32827456508581	-01.0000766	327606.02270738895	4355113.98680779	3175.97383254973	2987.745210151476	2965.754313922227	2965.754313922227	81.42986811	81.42986811	
478	15398	-56121.14133	89337.31720520766	39.32827841807762	-0.9977446	327807.05636108737	4355109.0682432	3175.947462094085	2986.932500744801	2964.245696104724	2964.			

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEveLogKrg.f	BRIEveBothKrg.f	SatThBoth.f	SatThBoth.f
55	151379	-2661.1411327	893337.3170250766	-39.328404908340625	-100.8088474	344090.2356668773	435478.074597384	3036.4290073586403	281.6716908393655	2812.647969176954	2817.0653483344513	68.92372171670104	64.50632459520386
560	151379	-2601.1411327	893337.3170250766	-39.328410167544971	-100.8065153	344291.5147512834	435478.071445418	3032.925254602443	2789.8064274171948	2812.3968587269784	2816.3184938087384	67.4956688715187	63.48793374
561	151379	-2611.1411327	893337.3170250766	-39.32841116191132	-100.804183	344492.328746654	435477.9736945874	3024.429005603882	2878.113588739992	2813.160386918165	2815.4232038196174	62.6881458371691	62.6881458371691
562	151378	-682.14113269	893337.3170250766	-39.32841250524866	-100.810512	344693.3566670097	435477.970531723	3025.927516635145	2876.496106321764	2810.25473236984	2816.337012519257	64.2613712819257	64.2613712819257
563	151378	-21.141132693	893337.3170250766	-39.32841274492185	-100.7995191	344894.3737398546	435478.06314016	3023.063506324934	2874.945633175975	2808.3100251172214	2810.9088069526166	66.6356121297617	64.0363836772265
564	151378	638.85867303514	893337.3170250766	-39.32841253411434	-100.797187	345095.39797947255	435478.061067668	3020.830767540334	2873.447178359995	2805.50053937968	2807.3457184803153	66.1021161874142	66.1021161874142
565	151378	1298.85867303514	893337.3170250766	-39.3284112873225	-100.794855	345296.41844809978	435478.058662444	3018.5860387867753	2871.386037832405	2801.624002772187	2802.7361001102464	70.3616011682464	69.5495659455239
566	151378	1958.85867303514	893337.3170250766	-39.3284107610755	-100.7925229	345487.4387	435475.07	3016.32589989152	2870.546547598242	2797.962664220173	2802.7312198929383	72.5838117622462	72.5838117622462
567	151378	2618.85867303514	893337.3170250766	-39.328409198444	-100.790186	345698.45826365	435475.05475087	3012.0255069382	2869.117836927117	2796.1318417715644	2802.7312198929383	74.2244359776992	74.2244359776992
568	151378	3278.85867303514	893337.3170250766	-39.3284071861381	-100.787859	345899.478011938	435475.0313313	3008.659810619415	2867.92506930898	2795.40744599016	2802.7312198929383	76.2284109670518	76.2284109670518
569	151378	3938.85867303514	893337.3170250766	-39.328404722575	-100.7855267	346100.49832151	435474.051713173	3004.76070632051	2866.264467615981	2795.055958270883	2795.4458467989	77.701277889395	70.81905797992
570	151379	4598.8586730351	893337.3170250766	-39.328401893027	-100.7831946	346301.51831372845	435474.05048002	2998.87401540004	2864.831184518454	2794.632627754444	2797.01913885527	79.1974906944015	67.64000147
571	151379	5258.8586730351	893337.3170250766	-39.32840384451731	-100.780826	346502.5378	435474.039438744	2993.41030225963	2863.3868586220227	2794.0254435033047	2790.8059446	80.914611188802	72.58141313
572	151379	5918.8586730351	893337.3170250766	-39.3284039056874	-100.7785305	346703.5572259674	435474.038489271	2993.876574764678	2861.325250412147	2793.1300378065644	2798.4025140560784	80.8025140560784	80.5009094734047
573	151379	6578.8586730351	893337.3170250766	-39.3284039056874	-100.7761984	346904.5764642325	435474.0374183121	2990.464983824788	2859.0447183439952	2793.561615837698	2798.4025140560784	84.903524848552	84.903524848552
574	151379	7238.8586730351	893337.3170250766	-39.32840385490369	-100.774634	347105.590520468	435475.027465719	2988.80028410594	2858.92028410594	2790.562987850424	2797.6215	86.411153204173	81.3569191
575	151379	7898.8586730351	893337.3170250766	-39.32840384839089	-100.7715343	347306.514488102	435475.021479137	2986.047376591815	2857.4820556957426	2788.9961872001254	2797.6215	88.468433956179	79.68273409314526
576	151379	8558.8586730351	893337.3170250766	-39.32843748674006	-100.7690222	347507.6332777119	435471.07	2983.060265574761	2855.968217373767	2787.37966045673	2787.29533457	88.5886011903399	77.7083587509494
577	151379	9218.8586730351	893337.3170250766	-39.328368800428	-100.7668702	347708.65191873285	435470.074219027	2980.37156483107	2854.436416092197	2786.0074542466017	2787.6834427127275	88.4287991146179	79.7528439691077
578	151379	9878.8586730351	893337.3170250766	-39.3284362282978	-100.7645381	347909.6704	435470.07520242	2977.0860426428753	2852.83405595046	2785.245186304597	2771.43709792535	88.6321923	81.46630746921077
579	151379	10538.8586730351	893337.3170250766	-39.3284035150524	-100.762206	348110.878968544	435470.048013419	2974.906456505175	2851.303794524464	2784.830878149142	2789.4931984025926	88.7461935732226	81.411822193453
580	151380	11188.8586730351	893337.3170250766	-39.328437866524	-100.7598739	348311.70695874246	435470.0149	2973.534941435884	2849.49471934405	2784.49471934405	2789.4931984025926	89.194290140006	78.02548176110313
581	151380	11848.8586730351	893337.3170250766	-39.328419573920315	-100.77275	348518.3204115678	435467.048574408	2968.05925303199	2847.913490242325	2784.3490242325	2789.4931984025926	91.154217783125	71.4747003001591
582	151380	12518.8586730351	893337.3170250766	-39.32843170842535	-100.7552098	348713.74291563555	435463.05043179	2967.791571141113	2846.294136181536	2783.31142870374	2784.7504406107134	92.6820843377626	87.5890128074401
583	151380	13178.8586730351	893337.3170250766	-39.32841760673953	-100.7528777	348914.7406739593	435460.051903239	2968.727270326642	2844.45083687827	2782.524003	2789.4931984025926	93.805003097711	83.7045273630477
584	151380	13838.8586730351	893337.3170250766	-39.3284313738065	-100.7505457	349115.728257873	435460.05350527	2968.9697640425944	2842.4694507448285	2781.4736612726474	2789.5938221052780	90.995784721816	82.5312296920744
585	151380	14498.8586730351	893337.3170250766	-39.3284304	-100.7482136	349316.7957512749	435458.04598828	2968.12460408025	2840.256277717121	2780.528735676055	2783.84897125443	90.767535642787	74.4063576462787
586	151380	15158.8586730351	893337.3170250766	-39.3284293262871	-100.745818	349517.8130706366	435467.05883373	2967.4515441152555	2837.707232458047	2779.59103115803	2784.140912488529	91.152912300155	76.34171076
587	151380	15818.8586730351	893337.3170250766	-39.3284293262871	-100.7435619	349718.83204115678	435467.05883373	2966.05925303199	2836.42913490242325	2778.929936978586	2784.140912488529	91.152912300155	76.34171076
588	151380	16478.8586730351	893337.3170250766	-39.3284272332649	-100.7412174	349919.317818875	435469.061072755	2964.018547587371	2835.1430457795371	2777.888513270099	2784.140912488529	91.152912300155	76.34171076
589	151380	17138.8586730351	893337.3170250766	-39.3284026695964	-100.7388853	350102.86452064	435466.053	2962.97230460183	2828.4930814589287	2777.1257446774	2779.4232138091028	91.316553381505746	69.45074337
590	151380	17798.8586730351	893337.3170250766	-39.32842483655026	-100.7365533	350321.881	435466.06069479	2959.93209672099	2825.02896720936	2776.542366059476	2775.958856321034	94.486815	69.070112727652
591	151381	18458.8586730351	893337.3170250766	-39.3284236629316	-100.7342212	350522.89758321247	435465.07888302	2959.0510731789472	2821.4740041342884	2775.9954827031253	2775.00044107156	94.48752143296314	66.7403927325729
592	151381	19118.8586730351	893337.3170250766	-39.328423738839	-100.7318891	350723.9140301307	435463.07186382	2959.351522379313	2817.8622709131	2775.48988449698	2776.06931421348644	95.7521405238638	67.521405238638
593	151381	19778.8586730351	893337.3170250766	-39.3284104642715	-100.7295571	350924.9303274077	435464.0791247	2958.6403	2814.218895	2775.0461045370213	2784.140912488529	97.1228441133875	70.0637174441933
594	151381	20438.8586730351	893337.3170250766	-39.328419573920315	-100.72725	351125.94649071324	435465.047813825	2958.05925303199	2812.77848187	2774.3490242325	2784.140912488529	97.1228441133875	70.0637174441933
595	151381	21098.8586730351	893337.3170250766	-39.32841826371485	-100.7248929	351326.9625043027	435461.081947007	2958.12208952399	2806.89738278097	2774.4882078042005	2789.5916983377	93.4091794563367	33.9382176441933
596	151381	21758.8586730351	893337.3170250766	-39.32841679	-100.7225609	351527.97837409796	435463.0572806	2957.1907454369092	2803.24383794027	2773.14632006091	2772.595302760204	93.4171637	30.65104230820636
597	151381	22418.8586730351	893337.3170250766	-39.3284152612611	-100.7202288	351728.9409919174	435463.08969215	2955.29584	2799.619720516109	2770.619582753285	2771.4670044962285	93.4171637	30.65104230820636
598	151381	23078.8586730351	893337.3170250766	-39.32841373	-100.7178967	351930.006621043	435462.0930428	2953.28074	2796.05325444616	2770.008376442785	2770.00122119791	93.4171637	30.65104230820636
599	151381	23738.8586730351	893337.3170250766	-39.32841321596113	-100.7155647	352131.0251068374	435461.09130841	2952.00478	2796.715151727296	2769.7142122818996	2770.008376442785	93.4171637	30.65104230820636
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601	151381	25058.8586730351	893337.3170250766	-39.328419573920315	-100.7109775	352533.0404163723	435462.112604933	2950.4723043199	2798.17348187	2768.0598685847	2774.3490242325	93.4171637	30.65104230820636
602	151382	25718.8586730351	893337.3170250766	-39.3284077118315	-100.705865	352734.076	435461.11260145	2949.85078449586	2792.689370876367	2773.2349252205303	2775.054651182243	93.4171637	30.65104230820636
603	151382	26378.8586730351	893337.3170250766	-39.3284052425234	-100.7062364	352935.084546026	435460.112604933	2947.738491064666	2797.825941633197	2771.951974661385	2775.054651182243	93.4171637	30.65104230820636
604	151382	27038.8586730351	893337.3170250766	-39.3284034172417	-100.7039043	353136.1001702511	435460.1126						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBohr.f	SatHtKgr.f	SatHtBohr.f
685	154	13905	80498.85867307335	89337.3170250766	39.32810628012869	-00.15150077	69447.83895495464	434282.18600748	2750.373842601195	2662.805294462242	2589.179738587567	2576.8207449210845	73.625558746777	85.984545915732
686	154	13906	81158.85867307335	89337.3170250766	39.32810698128414	-00.15126795	69696.81426994353	434527.206699154	2750.945252992062	2661.2853652016825	2588.8769375672878	270.3625493790373	72.4084273439468	90.9224140739782
687	154	13907	81878.85867307335	89337.3170250766	39.3280951290276	-00.15086135	69889.84651851638	434742.2381216385	2753.859015057623	2659.764123	2588.895726969683	71.2881124612163	82.806851348078	92.7683713480878
688	154	13908	82548.85867307335	89337.3170250766	39.3280952245549	-00.15080115	70020.8489142005	434750.294464927	2758.97653071308	2658.243094190051	2587.3999113324753	2586.419664309703	71.8234928665772	91.8234928665772
689	154	13909	83138.85867307335	89337.3170250766	39.3280837046661	-00.15056795	70221.8531812947	434756.270999014	2764.120466626535	2656.72369874098	2581.690945028564	2581.94470427053	73.0326471533399	74.7789033139287
690	154	13910	83798.85867307335	89337.3170250766	39.3280781743787	-00.15033474	70422.8564254037	434762.252723983	2765.208819724109	2575.8873849298843	2576.780229	73.214347942284	74.8249509504917	82.4911347942284
691	154	13911	84458.85867307335	89337.3170250766	39.32807243135935	-00.15010154	70762.85964438383	434758.314639552	2767.986376599175	2653.70042552329	2570.8831562656846	2572.97242706376	73.0264182595422	80.7823174420213
692	154	13912	85118.85867307335	89337.3170250766	39.32806664423409	-00.1498634	70824.862540073	434754.367345984	2768.204488473173	2652.2004014225255	2566.9569109731465	270.308857904374	85.2434906239788	81.8914533814804
693	154	13913	85778.85867307335	89337.3170250766	39.328061026206	-00.1496317	71025.85964110836	434750.359891475	2752.5700712585107	2651.7087023285385	2568.96695807141	2568.30638683838	85.2434906239788	86.129962138769
694	154	13914	86438.85867307335	89337.3170250766	39.328054434332	-00.14940193	71126.861580844	434746.381531124	2744.857136427587	2649.226412	2562.03019592029	2564.3673060029	87.1962119670118	84.8558812878235
695	154	13915	87098.85867307335	89337.3170250766	39.32804901257783	-00.14916872	71247.870781324	434742.40209814	2751.915889229473	2647.756162220568	2560.567441986225	2570.083765659838	87.18672025	77.67035956
696	154	13916	87758.85867307335	89337.3170250766	39.3280430525564	-00.14893552	71628.8732814033	434742.38427	2742.56128033107	2646.292694076502	2558.93868735231	2573.47818565773	87.353705314277	72.8143710070464
697	154	13917	88418.85867307335	89337.3170250766	39.3280373290674	-00.14870231	71829.87569539185	434734.450139393	2746.842647999025	2644.82467999025	2557.077520848442	2571.5186762028	87.7694971415825	73.30031134783975
698	154	13918	89078.85867307335	89337.3170250766	39.3280307550117	-00.14846911	72030.8710705955	434730.432032065	2744.640565363233	2643.42605502845	2554.861073016956	2564.042655074578	88.193030389809	76.8416843070677
699	154	13919	89738.85867307335	89337.3170250766	39.32802487	-00.14823591	72231.8800406584	434726.4983183	2743.71972543734	2641.382173689886	2552.343696593226	2559.540263210334	89.5838071386801	82.4911347942284
700	154	13920	90398.85867307335	89337.3170250766	39.32801874451719	-00.1480027	72432.8820483807	434722.580164123	2745.136023646115	2640.37842722442	2549.308590115256	2552.514401731792	91.26983340898921	88.0620240513171
701	154	13921	91058.85867307335	89337.3170250766	39.32801253304404	-00.1477695	72633.883033751	434718.54287092	2745.151864279653	2639.192512991398	2547.08631535774	2552.11881456552	92.11881456552	73.78610248125129
702	154	13922	91718.85867307335	89337.3170250766	39.3280062541217	-00.14753629	72834.885690624	434714.56830073	2745.105105927343	2637.823679354139	2546.640531948639	2564.057598962522	91.1831474056022	73.78610248125129
703	154	13923	92378.85867307335	89337.3170250766	39.3280000127331	-00.14730309	73035.887335886	434710.59250505	2743.54394940565	2636.470916832905	2546.193431	2565.382611825356	92.2770363913801	91.08830510732895
704	154	13924	93038.85867307335	89337.3170250766	39.32799380587784	-00.14706989	73232.8888552183	434706.61900052	2740.41029136275	2635.129999784916	2545.219818884404	2562.55989857828	91.813109490121	72.5730141032025
705	154	13925	93698.85867307335	89337.3170250766	39.32798731235576	-00.14683698	73437.8903	434702.64148593	2737.285951767996	2633.80852	2543.222665034574	2558.8024304407	90.8585569862464	75.0064848012296
706	154	13926	94358.85867307335	89337.3170250766	39.32798054875	-00.14660348	73638.8912575449	434718.666261978	2734.1743026417	2632.49539487175	2540.4132005537	2553.85710672178	90.861747253784	76.0368280895709
707	154	13927	95018.85867307335	89337.3170250766	39.32797344515719	-00.14637021	73839.8908652516	434714.689122897	2734.891621262416	2631.798912738247	2538.89454584975	2548.916712738247	90.8585569862464	75.0064848012296
708	154	13928	95678.85867307335	89337.3170250766	39.3279679235797	-00.14613707	74040.8937146523	434710.71368449	2734.700198126208	2629.90038301195	2537.91595634722	2542.035041919234	90.86407228	76.0368280895709
709	154	13929	96338.85867307335	89337.3170250766	39.32796137096158	-00.14590387	74241.89462678164	434716.74734616	2736.100761292079	2628.813660354834	2529.732393632214	2536.48508	90.84907228	76.0368280895709
710	154	13930	96998.85867307335	89337.3170250766	39.3279547299664	-00.14567066	74442.89548121106	434712.76723392	2735.03235821357	2627.30349981146	2526.90204833216	2532.021729152134	90.4328514794868	95.3117708203059
711	154	13931	97658.85867307335	89337.3170250766	39.32794812988519	-00.14543746	74643.8960816035	434718.79300271	2736.910417584996	2626.05704543821	2526.2841416160845	2529.0289158148353	90.728032262457	92.02812962408552
712	154	13932	98318.85867307335	89337.3170250766	39.32794144197218	-00.14520426	74844.8963693136	434714.81892736	2734.32361387208	2624.784671188075	2526.85505523205	2528.654769873474	91.0919855960261	96.1299101313744
713	154	13933	98978.85867307335	89337.3170250766	39.32793478129826	-00.14497158	75045.8971070246	434710.849122897	2734.891621262416	2623.51308492537	2525.76796711825	2528.913841487821	90.8585569862464	75.0064848012296
714	154	13934	99638.85867307335	89337.3170250766	39.327928157684	-00.14473745	75246.89137134046	434716.871334046	2734.1500048921624	2622.48137216206	2526.80597369604	2523.134505320132	90.8585569862464	75.0064848012296
715	154	13935	100298.85867307335	89337.3170250766	39.32792110747418	-00.14450465	75447.8976	434716.89276088	2732.752882427098	2620.931844660316	2532.24007580421	2532.362797188396	91.038106561081	88.6263277763502
716	154	13936	100958.85867307335	89337.3170250766	39.327914239226814	-00.14427144	75648.89147375164	434718.92405633	2726.34562	2619.720569412856	2531.740589223105	2531.6520281137	87.9796762	88.6263277763502
717	154	13937	101618.85867307335	89337.3170250766	39.32790732593639	-00.14403824	75849.89796106	434715.951379139	2725.338002	2618.45940615206	2529.46011493782	2529.17127851458	89.999455142420	89.28818749935726
718	154	13938	102278.85867307335	89337.3170250766	39.32790036759952	-00.14380633	76050.8975241445	434715.90178	2724.330562	2617.2008029760204	2525.121936982526	2524.536162401181	90.0788593494491	92.6518899439343
719	154	13939	102938.85867307335	89337.3170250766	39.3278933421623	-00.14357183	76251.891297437764	4347147.0058631	2723.05406525505	2615.8444627539274	2520.6132461627662	2519.835523818089	95.321265916114	96.10943984
720	154	13940	103598.85867307335	89337.3170250766	39.3278861157854	-00.1433361	76452.8969307205	434714.93140874	2721.46140461312	2614.68096920257	2519.835523818089	2519.835523818089	95.321265916114	96.10943984
721	154	13941	104258.85867307335	89337.3170250766	39.3278792231073	-00.14310453	76653.8963170942	434713.910677551	2720.876586337953	2613.40057365488	2517.85657369604	2517.85657369604	95.321265916114	96.10943984
722	154	13942	104918.85867307335	89337.3170250766	39.3278720878785	-00.14287222	76854.8959	434713.08869027	2720.3222439542	2612.1939795789217	2526.7821911483916	2526.7821911483916	95.321265916114	96.10943984
723	154	13943	105578.85867307335	89337.3170250766	39.3278660021886	-00.14263902	77055.8949173945	434715.118671974	2715.58747133469	2610.95238326255	2527.2574214616685	2527.2574214616685	95.321265916114	96.10943984
724	154	13944	106238.85867307335	89337.3170250766	39.3278597160372	-00.14240582	77256.894	434712.14482314	2711.68842396014	2609.71420937414	2524.639807843127	2524.639807843127	95.321265916114	96.10943984
725	154	13945	106898.85867307335	89337.3170250766	39.32785303942115	-00.14217261	77457.893046181	434713.2139964	2707.7893928373796	2608.77893246363027	2519.961351942784	2519.961351942784	95.321265916114	96.10943984
726	154	13946	107558.85867307335	89337.3170250766	39.327846379234164	-00.14193841	77658.89139741475	434715.918072475	2706.27680340352	2607.27680340352	2517.75254773872	2517.75254773872	95.321265916114	96.10943984
727	154	13947	108218.85867307335	89337.3170250766	39.3278392306395	-00.14170383	77859.891397375	434715.918072475	2705.18394495517	2606.18394495517	2516.666666666667	2516.666666666667	95.321265916114	96.10943984
728	154	13948	10878.85867307335	89337.3170250766	39.3278320637905	-00.141473	78060.8938939735	434711.259531272	2705.80018701571	2604.8943147188	2510.47740890735	2510.47740890735	95.321265916114	96.10943984
729	154	13949	109538.85867307335	89337.3170										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEV.Kg.f	BRELEV.Both.Kg.f	SurfElev.Both.f
71	15	14031	-324741.1413	894037.3170250766	39.2484012081244555	-101.9468679	245974.0192586845	4356962.963279026	3447.5662471120016	371.1459291900747	3589.015264799808	3575.459240223218	95.6817559785697
72	15	14032	-324081.1413	894037.3170250766	39.24842334952616	-101.9448361	246175.1365	4356968.566207148	3843.946470561929	3669.557102525877	3586.614547779092	3573.233941645947	94.32256343801957
73	15	14033	-323421.1413	894037.3170250766	39.24845445330767	-101.9422403	246376.2675131377	4356970.146871268	3849.323241611817	3657.862673384677	3584.230340343575	3573.691971174111	93.7194733959172
74	15	14034	-322761.1413	894037.3170250766	39.24846746643666	-101.9397825	246577.9373125055	4356950.669380178	3836.706922611529	3666.355048509126	3581.5480095891206	3585.58569861576	94.022683933214
75	15	14035	-322101.1413	894037.3170250766	39.24848950246039	-101.9375408	246778.4948732543	4356956.574207186	3833.605102486388	3664.692402855544	3579.2446356480227	3582.72396231013	91.8200783234247
76	15	14036	-321441.1413	894037.3170250766	39.2491114634567	-101.935209	246979.6113415068	4356942.457	3831.021148283087	3663.026791	3576.98176	3583.0662428918	85.465042348795
77	15	14037	-320781.1413	894037.3170250766	39.2493373393253	-101.9328272	247180.7311252072	4356938.38147518	3828.437378681278	3641.3358487409907	3574.4454947582127	3580.074444869402	81.2605038840847
78	15	14038	-320121.1413	894037.3170250766	39.2495525030091	-101.9305454	247381.8488756673	4356934.281	3825.853513079446	3659.6184372750918	3571.7964540678265	3576.520643	83.7198320726524
79	15	14039	-319461.1413	894037.3170250766	39.2497707617073	-101.9282136	247582.9653787878	4356928.58228814	3817.837377731015	3568.525397693993	3573.691971174111	3584.9400119376958	88.94400121212175
80	15	14040	-318801.1413	894037.3170250766	39.25049895700195	-101.9255818	247784.0839	4356926.0822905	3816.75066513653	3566.10553230728	3565.356419	3569.786241309675	86.21421205
81	15	14041	-318141.1413	894037.3170250766	39.25062052979464	-101.92325	247885.2006263285	4356921.991978378	3811.5222242313035	3564.20062685187	3561.1089636283377	3562.6565119308205	83.19136
82	15	14042	-317481.1413	894037.3170250766	39.2504223534861	-101.9212183	248186.16717377684	4356917.89952675	3806.34848181146	3652.432238404696	3558.80464737583	3558.454354786397	96.5827688101134
83	15	14043	-316821.1413	894037.3170250766	39.2506382926305	-101.9188865	248387.43387940666	4356908.5003808794	3806.500339403464	3650.6205950741332	3549.523170410454	3548.73101158300914	92.02310185440282
84	15	14044	-316161.1413	894037.3170250766	39.2508552994044	-101.9165547	248588.5013202416	4356909.704707724	3816.743844489274	3564.770341571029	3557.9004090800024	3543.975021824432	91.0548038127079
85	15	14045	-315501.1413	894037.3170250766	39.2510709	-101.9142229	248789.6661357342	4356905.609	3817.355254068889	3546.847848754054	3558.084926380448	3563.594249	88.7598648735672
86	15	14046	-314841.1413	894037.3170250766	39.251285917774	-101.91181	248990.78189074577	4356901.51382794	3823.078712	3544.92071897257	3558.750323875877	3565.51365239041	86.1714802138304
87	15	14047	-314181.1413	894037.3170250766	39.25150061173226	-101.9095839	249191.89739726347	4356897.418599321	3825.38416308877	3542.867100723675	3556.457900533648	3563.205009376775	86.782879959
88	15	14048	-313521.1413	894037.3170250766	39.2517148	-101.9072275	249393.0126554902	4356892.37211432	3824.471607245434	3541.032064288114	3551.508811470019	3557.313247699584	83.7187157
89	15	14049	-312861.1413	894037.3170250766	39.2519285740625	-101.9048957	249594.1276656043	4356889.22039322	3823.559051401201	3539.063371401038	3545.185406433551	3550.1953570133865	88.86628012671731
90	15	14050	-312201.1413	894037.3170250766	39.25221418818385	-101.9025639	249795.2424279003	4356885.134552979	3822.644006796626	3539.9755726864223	3544.075780160298	3547.1084311100369	93.002676369807
91	15	14051	-311541.1413	894037.3170250766	39.2523573588066	-101.9002321	249996.35682450613	4356881.04026402	3819.7270804205428	3535.096587715843	3537.4744343629575	3540.1629045778564	92.6221543895674
92	15	14052	-310881.1413	894037.3170250766	39.2525671395321	-101.897903	250197.4712096367	4356874.064671583	3814.800854470263	3533.105267995544	3536.2474563793253	3537.582397392318	96.881224251888
93	15	14053	-310221.1413	894037.3170250766	39.252810412541202	-101.895454	250405.264775511	4356868.58228814	3774.812343581479	3525.744031443623	3535.30602017193	3516.8711605712	91.4812426819402
94	15	14054	-309561.1413	894037.3170250766	39.2532095056615	-101.8932366	250599.6900221358	4356864.75855185	3791.452259516689	3522.118265742667	3534.773738287175	3530.13118922518	94.3454287019158
95	15	14055	-308901.1413	894037.3170250766	39.2532016481387	-101.8909408	250800.8125286281	4356864.65057094	3794.30715925511	3527.1267826757645	3533.730032323765	3525.949111623276	93.39675048248002
96	15	14056	-308241.1413	894037.3170250766	39.2534125202233	-101.888573	251001.9258076058	4356860.571475314	3792.951051923234	3523.1380343236	3532.77902958678	3522.338033732025	92.35977375452785
97	15	14057	-307581.1413	894037.3170250766	39.253610240191545	-101.8862412	251203.0834048562	4356859.47629594	3786.5981051978527	3523.1552961958246	3531.51964830524	3519.6564789	102.00800509533
98	15	14058	-306921.1413	894037.3170250766	39.25383210321465	-101.8839394	251404.1516271343	4356852.38570918	3780.243300316532	3521.17764244477	3529.834441107008	3528.452242681484	91.34319544
99	15	14059	-306261.1413	894037.3170250766	39.2540412541202	-101.881678	251605.264775511	4356846.75855185	3774.812343581479	3519.726874811786	3527.6704717414686	3527.6704717414686	91.338628635787
100	15	14060	-305601.1413	894037.3170250766	39.25425015463187	-101.8792458	251806.376249549	4356844.20045438	3770.24525060999	3517.4635352996	3524.7358532996	3516.92481902821	100.257369027966
101	15	14061	-304941.1413	894037.3170250766	39.25445850474935	-101.8769138	252007.4855117257	4356840.108122114	3765.78678624598	3515.2987502162887	3521.251970421089	3515.25704404277	90.4604828
102	15	14062	-304281.1413	894037.3170250766	39.25466640447196	-101.8745821	252208.6031549184	4356836.01584478	3761.92206814596	3513.3641384167	3517.4187318165386	3506.392035	95.4658022512846
103	15	14063	-303621.1413	894037.3170250766	39.2548733837996	-101.8722503	252409.719	4356831.92405253	3757.166461058122	3511.4427727370353	3510.53260934368	3504.993958726964	97.9401633956722
104	15	14064	-302961.1413	894037.3170250766	39.255080527318	-101.8699185	252610.82318716115	4356827.83296241	3754.322055342462	3509.53406541555	3501.124672808743	3506.2862035817	101.248774541246
105	15	14065	-302301.1413	894037.3170250766	39.2552874012685	-101.8679867	252811.934255748	4356823.740745828	3748.677649480224	3507.638765435325	3507.4801768734687	3507.4801768734687	95.6317850781138
106	15	14066	-301641.1413	894037.3170250766	39.2554913789055	-101.8658481	253027.0450205453	4356819.64295187	3745.92343581479	3505.744031443623	3505.30602017193	3516.8711605712	91.4812426819402
107	15	14067	-300981.1413	894037.3170250766	39.2556991471255	-101.862923	253214.1556603372	4356815.58283138	3742.581461482024	3503.843678582874	3503.389105402012	3510.946496783083	100.4545713288221
108	15	14068	-300321.1413	894037.3170250766	39.2559043444965	-101.8605912	253415.2659954628	4356811.46726770	3739.0304358048	3501.92362858474	3501.600882703427	3511.7160214906883	100.3284945881297
109	15	14069	-299661.1413	894037.3170250766	39.2561090914476	-101.8582594	253616.376875826	4356807.37469984	3735.62345521353	3509.907079801533	3499.842134	3509.8009209805314	100.14857415110328
110	15	14070	-299001.1413	894037.3170250766	39.2563133879991	-101.8559275	253817.4859	4356803.28592796	3729.2611177760334	3508.0186953371336	3498.0235096344886	3509.081497206393	99.9918570284298
111	15	14071	-298341.1413	894037.3170250766	39.2565177324152	-101.8539597	254018.5955397538	4356799.19555029	3728.211477703763	3506.07985167395	3506.07985167395	3506.07985167395	86.45877458
112	15	14072	-297681.1413	894037.3170250766	39.2567206290906	-101.8512635	254218.70490070092	4356795.105363379	3726.372488415266	3503.964137482462	3504.973250841263	3506.595155641487	99.8871632593501
113	15	14073	-297021.1413	894037.3170250766	39.2569233262615	-101.8484841	254427.9181484965	4356791.647857882	3724.58281481778	3502.95881481778	3502.95881481778	3502.95881481778	91.689960426519
114	15	14074	-296361.1413	894037.3170250766	39.2571162701835	-101.8460002	254612.92893347	4356786.92539005	3721.375161705304	3498.7004	3489.821748796548	3502.95881481778	91.689960426519
115	15	14075	-295701.1413	894037.3170250766	39.25732811477515	-101.8442864	254823.0315245195	4356782.83995962	3719.46172738797	3587.684813445586	3587.7512539750396	3587.7512539750396	99.9343277
116	15	14076	-295041.1413	894037.3170250766	39.2575297089314	-101.8419365	255024.1399150236	4356787.74660088	3718.26276358132	3485.46300736321	3484.29162463621	3511.7160214906883	100.14857415110328
117	15	14077	-294381.1413	894037.3170250766	39.25773708527871	-101.8396047	255225.24816223673	4356774.65739605	3717.06448288144	3583.460350228555	3583.390339610469	3483.390339610469	100.0780161238665
118	15	14078	-293721.1413	894037.3170250766	39.25793315461419	-101.8372728	255426.35606735267	4356770.56838008	3715.3353499321	3581.36049690005	3481.274277939203	3484.1937281688613	96.7176077123356
119	15	14079	-293061.1413	894037.3170250766	39.2581317890555	-101.834841	255627.4637395484	435676					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElev.Kg.f.	BRIElev.Kg.f.	SatThLog.s	SatThBoth.f
197	155	114157	-241581.1413	894037.3170250766	39.32723630233328	-01.6503637	271313.1330822258	4356448.154194075	3627.401954977754	4545.540613537772	3358.41037	3358.3478265009867	87.13024327216228	87.19278703878538
198	155	114158	-240921.1413	894037.3170250766	39.3275276834538	-01.6507217	271514.222546416	4356444.00803917	3626.812599840518	3444.5370697589367	3358.253543607396	3358.2623517057663	86.26203515766063	86.27381501122667
199	155	114159	-240261.1413	894037.3170250766	39.3276818931445	-01.6468396	271715.2125861696	4356450.007619815	3628.232658969774	3443.578815	3358.306677262294	3358.3168168774162	85.19802723414028	85.16169778825541
200	155	114160	-239601.1413	894037.3170250766	39.3278565502481	-01.6460675	271916.000785408163	4356435.930490379	3628.66078514326	3348.1960355275023	3358.252520639825	3358.4463452737923	84.43675309565057	84.43675309565057
201	155	114161	-238941.1413	894037.3170250766	39.3279189612408	-01.6437259	272117.488532808	4356431.86124993	3625.0911683328143	3441.779173852648	3356.9300372174744	3356.94071329716195	84.647436137364	84.67434546102847
202	155	114162	-238281.1413	894037.3170250766	39.3279181917247	-01.641394	272318.57631625	4356427.789	3624.9277892275477	3354.761314684935	3354.601702286408	3354.6164745261283	83.6260894113951	83.6260894113951
203	155	114163	-237621.1413	894037.3170250766	39.327333442	-01.6393062	272519.66500841547	4356423.717	3622.137152421713	3440.101602394083	3352.4650494995904	3352.2005294378172	83.750073981792	83.750073981792
204	155	114164	-236961.1413	894037.3170250766	39.32735061852389	-01.6367301	272720.75289520083	4356419.64493197	3617.9412324129376	3349.2936318789184	3350.900795535373	3350.618277184016	83.392635234307	83.392635234307
205	155	114165	-236301.1413	894037.3170250766	39.3276679922498	-01.6348385	272921.84048574476	4356415.8383158	3615.74342838158	3348.5008787878687	3348.8026322224147	3348.8168168774162	83.85630436337042	83.85630436337042
206	155	114166	-235641.1413	894037.3170250766	39.32773287409257	-01.6326562	273122.3278882214	4356411.50071489	3617.71921432027	3348.576898439564	3348.3643349257	3348.3643349257	81.1300225333152	81.1300225333152
207	155	114167	-234981.1413	894037.3170250766	39.32738934	-01.6297343	273324.0511	4356407.49118058	3617.04779915258	3348.355583841524	3347.060857190788	3346.81672660072	83.8747016	83.8747016
208	155	114168	-234321.1413	894037.3170250766	39.3274415110947	-01.6274023	273525.102018689	4356403.352842707	3603.419349759984	3346.13368302623	3345.3365241262104	3344.98061689237	80.8166252405292	81.1724249102621
209	155	114169	-233661.1413	894037.3170250766	39.32743092164791	-01.6257074	273726.188753435	4356399.68624607	3600.73159003937	3345.366948616727	3343.450258914864	3343.04917114458	81.9166900468053	81.9166900468053
210	155	114170	-233001.1413	894037.3170250766	39.32744685	-01.6227384	273927.2757012565	4356395.215	3598.043645	3343.547007722026	3341.4746059297536	3340.84067513961	83.1003019	83.1003019
211	155	114171	-232341.1413	894037.3170250766	39.32746272759506	-01.6204068	274128.36154708405	4356391.14458602	3596.313973573554	3343.77738118449	3338.386799884203	3338.320594931284	84.39053815002853	84.39053815002853
212	155	114172	-231681.1413	894037.3170250766	39.32747856303666	-01.618745	274329.4476	4356387.0739129425	3596.5416288607	3342.972723121451	3337.433794489747	3336.69320077633	85.3384222770393	85.2781633481785
213	155	114173	-231021.1413	894037.3170250766	39.3274933336888	-01.6157428	274530.53304445185	4356383.003	3594.769562651785	3342.157612991597	3335.5386782511336	3334.7292330125383	86.6187431405706	86.298397905235
214	155	114174	-230361.1413	894037.3170250766	39.3275100869092	-01.6131406	274731.6190669221	4356379.83164797	3593.957975701895	3341.33268939227	3333.879137096096	3332.65325262694	87.4541318413202	87.4541318413202
215	155	114175	-229701.1413	894037.3170250766	39.3275257898964	-01.6110787	274932.704	4356374.803038865	3594.8125564035	3340.4993494790347	3332.1766574689395	3331.6591155181895	88.32273711	88.32273711
216	155	114176	-229041.1413	894037.3170250766	39.3275415420459	-01.6087467	275133.7896354604	4356370.793221844	3596.538275822318	3340.2695413131473	3330.834808086764	3330.328622199385	89.3426743260374	89.3426743260374
217	155	114177	-228381.1413	894037.3170250766	39.327570564396295	-01.6064148	275334.8748696044	4356367.32336664	3598.4984026821343	3340.800320259418	3329.7494541412857	3329.642328195293	89.0508661182294	89.0508661182294
218	155	114178	-227721.1413	894037.3170250766	39.3275726254498	-01.6040828	275535.9531653294	4356362.6500633	3600.440576	3342.9739461479598	3329.79638063017	3328.96543780384	88.1430724491329	88.9420069667431
219	155	114179	-227061.1413	894037.3170250766	39.3275881496491	-01.6017589	275743.946234249	4356359.47849184	3598.432981871862	3342.9816987	3329.6816987	3328.771862	87.7181962	87.7181962
220	155	114180	-226401.1413	894037.3170250766	39.3276032471035	-01.5994189	275938.121126756	4356354.515662207	3601.477904301617	3342.0528895875	3329.65080068354	3328.03789523341	85.16119671974728	85.16119671974728
221	155	114181	-225741.1413	894037.3170250766	39.327619064727926	-01.597087	276139.212179038	4356350.476630825	3601.519072651957	3342.336652	3329.86356108332	3327.8242916128806	85.47129599	85.47129599
222	155	114182	-225081.1413	894037.3170250766	39.3276343970191	-01.594755	276340.2960243706	4356346.37805338	3601.560241009703	3342.46873662374	3329.893105665005	3328.75662168985	85.9276038997351	85.9276038997351
223	155	114183	-224421.1413	894037.3170250766	39.32764977963226	-01.5924231	276541.3796467934	4356342.906341208	3601.2878349106234	3342.603584100554	3329.788542744725	83.8208973	93.81479286532282	93.81479286532282
224	155	114184	-223761.1413	894037.3170250766	39.32766507451896	-01.5900011	276742.463053472	4356338.241223835	3600.67455333705	3342.716985195007	3329.703796	3329.632173595994	93.0370114224057	93.03600372380125
225	155	114185	-223101.1413	894037.3170250766	39.327681290353	-01.5877697	276943.546238895	4356334.170110265	3600.073739184882	3342.9816987	3329.6816987	3328.771862	92.2331686802931	92.2331686802931
226	155	114186	-222441.1413	894037.3170250766	39.3277038120753	-01.5851416	277144.122638124	4356330.15173485	3599.462023570184	3342.07115871854	3329.6783179213	3329.28479111427	91.3943905	91.3943905
227	155	114187	-221781.1413	894037.3170250766	39.3277106891866	-01.5830952	277345.17194832923	4356326.30344091	3598.4025317799086	3342.170343681124	3329.81156024614	3329.6058285099281	90.3616834356849	90.3616834356849
228	155	114188	-221121.1413	894037.3170250766	39.3277258362866	-01.5807632	277546.794734363	4356321.969092278	3596.7988533849584	3341.920573849594	3330.329169703695	3329.9944257602483	89.9140652992591	89.9140652992591
229	155	114189	-220461.1413	894037.3170250766	39.3277408732965	-01.5784313	277747.876796337	4356317.902558823	3593.55508959778	3341.464807996524	3330.3303527298146	87.2470975906534	87.2470975906534	
230	155	114190	-219801.1413	894037.3170250766	39.32775589792081	-01.5760993	277948.958684992	4356313.8356410152	3591.311866509027	3341.6031326434733	3332.871832748975	3332.381736343453	87.15439033982	87.15439033982
231	155	114191	-219141.1413	894037.3170250766	39.32777087750113	-01.5737673	278150.047034448	4356309.76846228	3589.418106311554	3341.33386882958	3333.2349642260565	3334.83297205095	88.4839458	88.4839458
232	155	114192	-218481.1413	894037.3170250766	39.3277858120753	-01.5714164	278351.1223836124	4356304.710712051	3587.5184053790787	3341.85405787645	3331.919438478232	3331.919438478232	87.7181962	87.7181962
233	155	114193	-217821.1413	894037.3170250766	39.32780017103003	-01.5691034	278552.2038144014	4356301.631326145	3588.33005991927	3341.963856411596	3341.963856411596	3341.215554788042	87.8989323805423	87.8989323805423
234	155	114194	-217161.1413	894037.3170250766	39.32781554597859	-01.5667714	278753.2805263636	4356297.587629115	3584.7860367197786	3341.07479779751	3341.731632533069	3342.16040361123	72.7234526	71.9145374
235	155	114195	-216501.1413	894037.3170250766	39.32783034538319	-01.5644395	278954.3660211663	4356293.502587938	3582.4908239057346	3341.1699420004893	3338.737968	3338.7568576286534	74.9439735823926	74.31136637
236	155	114196	-215841.1413	894037.3170250766	39.32784509974376	-01.5621075	279156.4467976051	4356289.437	3579.4444343695955	3341.252417781894	3332.5790491346543	3332.582251195167	79.6273253654515	79.6273253654515
237	155	114197	-215181.1413	894037.3170250766	39.32785989060363	-01.5597755	279356.527356358	4356285.370822134	3576.3980439947694	3341.316997179426	3332.871832748975	3332.381736343453	84.5828651	84.5828651
238	155	114198	-214521.1413	894037.3170250766	39.32787447332585	-01.5574436	279557.6076079309	4356281.305231292	3573.351651548123	3340.34235033372	3332.003736426217	3327.877420373063	88.15458872	88.15458872
239	155	114199	-213861.1413	894037.3170250766	39.32789016211634	-01.5551791	279758.629381145	4356277.1746338145	3570.42967389148	3340.827978731585	3334.4961747146194	3334.4961747146194	87.7181962	87.7181962
240	155	114200	-213201.1413	894037.3170250766	39.32790366745405	-01.5527796	279959.7677825717	4356273.1746338145	3569.5158609056063	3340.827978731585	3334.4961747146194	3334.4961747146194	87.7181962	87.7181962
241	155	114201	-212541.1413	894037.3170250766	39.32791819588575	-01.5504476	280160.8471862013	4356269.10962913	3569.3707466205074	3341.37198721103	3341.47074849669	3335.927795	92.9012326	91.4444184210238
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SurfElevBothKrg.ft	SurfThgBothKrg.ft
325	15	14283	-158421.1413	894037.3170250766	39.2895629772005	-101.3599227	496648.663787395	435959.3640889162	3395.820247	3324.0160941161047	3233.017871333416	3235.248521227691	61.59300982673604	59.3624199335795
324	15	14284	-157761.1413	894037.3170250766	39.289670810815	-101.358806	496489.72177981	435959.32	3396.003404101534	3327.673666827038	3232.941751337116	3235.914969439739	59.7321534486705	56.75898178873259
325	15	14285	-157101.1413	894037.3170250766	39.2897136345085	-101.3584586	497056.783690352	435959.23249002	3395.18748158667	3329.720717683546	3232.7229357652	3236.03590234989	57.9484942783632	54.62718687426856
326	15	14286	-156441.1413	894037.3170250766	39.2898385374698	-101.3522266	497251.8503991499	435959.024940745	3392.30710990774816	3288.752146357266	3232.459414637072	3236.015607463076	56.29273172021476	52.6586389419394
327	15	14287	-155781.1413	894037.3170250766	39.28999188996024	-101.3498945	497452.9122005622	435959.264514978	3392.727300521253	3286.768161005591	3231.8961267759596	3236.0236550372883	54.7304232963148	50.74405596630275
328	15	14288	-155121.1413	894037.3170250766	39.29007892906004	-101.3475625	497653.9730920243	435959.198414968	3391.409145110822	3284.76394825317	3232.04712304727	3235.36730354706	52.7227217775495	49.41266447061071
329	15	14289	-154461.1413	894037.3170250766	39.2920036345812	-101.3452304	497855.03032190413	435959.150512028	3390.039699781933	3282.760298189972	3230.888943	3234.986179396374	51.8670881712726	47.7698198235895
330	15	14290	-153801.1413	894037.3170250766	39.2930388446932	-101.3428984	498056.094302483	435959.108010559	3388.671278741065	3280.72587171065	3229.570948682354	3235.04898395414	51.152488978112	46.567103192129675
331	15	14291	-153141.1413	894037.3170250766	39.294113695396	-101.3406569	498257.1575430834	435959.0435303077	3386.44682074241	3278.636537626155	3228.340810371343	3232.624464355057	50.4272725791834	45.5497127426856
332	15	14292	-152481.1413	894037.3170250766	39.2951778955038	-101.3382343	498456.21357745	435959.00796059	3384.36214493227	3276.6233763695	3228.322160359828	3232.7694690047	50.30121280112235	45.354702604831
333	15	14293	-151821.1413	894037.3170250766	39.29606217453037	-101.3359022	498659.2789744304	435895.961	3385.279437732234	3274.566525849713	3229.315713437666	3230.0096569682274	49.22921124020468	
334	15	14294	-151161.1413	894037.3170250766	39.2970751445629	-101.3335702	498860.3393338377	435889.91389755	3380.196730561239	3272.451031224433	3221.157340520440	3227.2426752277825	51.29576272202886	45.210427894660825
335	15	14295	-150501.1413	894037.3170250766	39.2980288093358	-101.3312381	499061.3996146774	435881.967150888	3377.54795861029	3270.3425646389123	3218.0223134025287	3225.0563338493903	51.26223233783118	45.28621243458156
336	15	14296	-149841.1413	894037.3170250766	39.2990305916911	-101.3289061	499262.4596386505	435883.920610378	3377.33121879476	3268.214983074575	3215.213585816105	3222.6428025031896	52.9995972563469	45.5721806626786
337	15	14297	-149181.1413	894037.3170250766	39.2991032639591	-101.326574	499463.5194654467	435879.74205713	3377.1162851485	3266.0710785008005	3215.2529211771467	3220.894447	53.1768133734056	45.1768133734056
338	15	14298	-148521.1413	894037.3170250766	39.2991134236928	-101.324242	499664.5790953245	435875.728098985	3376.903448	3263.912213090436	3209.18428713993	3219.8544684284	54.7270417	44.0577658439374
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346	15	14306	-143241.1413	894037.3170250766	39.29919379459596	-101.305585	501273.0405944755	435854.365013101	3377.9715585427	3246.187114401193	3217.425009210924	3224.28852349432	48.7621051902681	22.75826196201801
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355	15	14315	-137301.1413	894037.3170250766	39.29927924716223	-101.284597	503082.562867936	435850.9306039	3341.164094051875	3225.34930204672	3183.46255858917	3217.2494515678295	41.863676165754896	14.1004804684233
356	15	14316	-136641.1413	894037.3170250766	39.299289606386	-101.282249	503283.618987457	435852.1893188385	3339.91943893013	3222.9671505131585	3181.688919734239	3207.168015077595	41.863676165754896	14.1004804684233
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358	15	14318	-135321.1413	894037.3170250766	39.29930715272675	-101.277609	503685.739549218	435854.0613202356	3337.43157052195	3218.156718	3216.739077920026	3201.854246726173	41.863676165754896	14.1004804684233
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362	15	14322	-132681.1413	894037.3170250766	39.29934374349069	-101.268275	504489.9516590454	435857.78451489	3332.2643383489	3208.3077540238487	3170.453607988808	3185.044827507497	37.429413646369352	23.26286127
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366	15	14326	-130041.1413	894037.3170250766	39.29937967054034	-101.258942	505294.169008732	435852.1893188385	3326.163147175504	3216.508176439056	3178.50176442963	3195.41732	32.16285949	39.29937967054034
367	15	14327	-129381.1413	894037.3170250766	39.29938846028108	-101.2566122	505495.223683061	435854.743825022	3322.2668601314783	3215.9553704186877	3199.58525502927	3166.09518826249	37.1674031591387	23.438372

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRElevLogKgr.f	BRElevBothKgr.f	SeaBtH.f	SurfBoth.f
449	151409	-75261.14133	894037.3170250766	39.299661142368724	-01.0653807	321981.0219795047	4355427.808163182	3187.87527720195	31.0132511593713894	2966.8729642229805	2957.411568368672	55.05215114840894	54.51354700271759	
450	151410	-74601.14133	894037.3170250766	39.2996626	-01.0630486	322182.06064880774	4355423.783594754	3183.9490252506262	30.105693452765057	2954.4027003760125	2954.8997672384344	56.568440049157005	56.5097780381513	
451	151411	-73841.14133	894037.3170250766	39.2997153619912	-01.0607238	322389.328	4355418.792811481	3181.0216780310173	30.01014339236765	2951.4014339236765	2951.4107270471	58.05371072670251	57.5802387968575	
452	151412	-73261.14133	894037.3170250766	39.299763054204	-01.058384	322584.1380652314	4355415.75379679	3179.0290438269027	30.00930521243784	2949.93536468887	2950.34748627046	59.114468402691	58.2246610702925	
453	151413	-72621.14133	894037.3170250766	39.2998133	-01.0560623	322785.1764147976	4355411.71371232	3177.16280969422	30.081058214386476	2948.1076705793353	2949.387119257197	59.9815085931232	58.7182701688905	
454	151414	-71961.14133	894037.3170250766	39.29986640483836	-01.0537202	322986.2146	4355407.68759573	3175.233017158536	30.0716588779996	2946.650594209964	2949.88547752635	57.51129157003244	57.2821110033464	
455	151415	-71301.14133	894037.3170250766	39.299911328261	-01.0513881	323187.25259266456	4355403.664133364	3173.90869139213	30.062353052798086	2945.7230136732634	2951.9603077978306	57.9610250682534	54.27522703078222	
456	151416	-70641.14133	894037.3170250766	39.29995997433286	-01.049056	323388.2904223761	4355398.640893372	3171.88171868319	30.05310893198679	2945.029766961355	2945.007069597904	50.28112623719177	49.90382740077108	
457	151417	-69961.14133	894037.3170250766	39.30000753619582	-01.0467238	323589.328	4355396.178671486	3169.467619874024	30.04356836714783	2943.3616497385337	2959.833069785916	45.0142670323989	44.46224682	
458	151418	-69321.14133	894037.3170250766	39.3000550590215	-01.044319	323790.36554637856	4355391.594720419	3171.747132126523	30.032951222682	2942.981675791977	2953.718036398915	40.3124851899201	40.3124851899201	
459	151419	-68661.14133	894037.3170250766	39.3001025959882	-01.0420597	323991.402077104	4355387.571971526	3171.718392114389	30.02596174214389	2940.3049085448923	2956.6222367819	37.91913936949608	42.96995148569984	
460	151420	-68001.14133	894037.3170250766	39.3001492535693	-01.0397276	324192.4401719764	4355383.594413996	3172.3830732754905	30.0177286341426	2945.884767566579	2955.189524703333	44.82801106754914	44.89382509379472	
461	151421	-67341.14133	894037.3170250766	39.3001954	-01.0373954	324393.4770866485	4355379.525049244	3174.074207315624	30.00839942994677	2945.662056423273	2955.458198534074	45.38175034516644	45.38175034516644	
462	151422	-66681.14133	894037.3170250766	39.30020412	-01.0350633	324594.5138438494	4355375.404977797	3173.71411380343	2999.972717915469	2945.90350909617	2956.65559	43.073109454817	43.318619620682	
463	151423	-66021.14133	894037.3170250766	39.3002845142322	-01.0327312	324795.5506101628	4355373.482997917	3173.615072	2999.123595737203	2945.148450985686	2962.26522683907	36.97514053766442	36.98133096788959	
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465	151425	-64601.14133	894037.3170250766	39.300376762501	-01.028067	325197.6232	4355363.43905217	3172.75125155271	2997.441001	2976.424647298515	2977.581704214818	21.0163363656253	21.0163363656253	
466	151426	-64041.14133	894037.3170250766	39.3004196129406	-01.0257349	325398.659634806	4355359.4181205975	3171.045051820511	2996.60945185933	2975.405697133654	2976.35419313087082	21.0163363656253	20.2543519422491	
467	151427	-63381.14133	894037.3170250766	39.300463091494	-01.0234028	325599.69536515	4355355.39694384	3169.623566742866	2995.7841502519	2972.1788703243365	2972.801709920925	23.606324178182604	22.98323511024654	
468	151428	-62721.14133	894037.3170250766	39.3005061348758	-01.0210707	325800.7310726066	4355351.378915867	3167.73279623697	2994.9686066612905	2969.389135640254	2969.332515	25.6342399726055	25.636091988110365	
469	151429	-62061.14133	894037.3170250766	39.3005487201199	-01.0187385	326001.766881393	4355347.345	3165.79512525769	2994.158720327305	2966.639408782175	2966.39916836874	27.99432629408768	27.79980433883139	
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474	151434	-58761.14133	894037.3170250766	39.300754889105	-01.007078	327006.945112509	4355327.2356819	3160.83226465807	2990.572330452957	2958.422363284697	2957.66463284697	23.606324178182604	22.98323511024654	
475	151435	-58101.14133	894037.3170250766	39.3007947714547	-01.0047459	327207.976737453	4355323.23401108	3159.859684989787	2989.3551321125606	2950.911844116564	2956.39916836874	38.7894909245651	38.7894909245651	
476	151436	-57441.14133	894037.3170250766	39.3008342032116	-01.0024137	327409.0111559216	4355319.214792878	3157.72642092927	2988.548215	2947.744469100643	2947.416422968422	40.0374605702673	41.1317821887756	
477	151437	-56781.14133	894037.3170250766	39.30087319470504	-01.0000816	327610.0454901015	4355315.196451474	3156.855369672819	2987.753692730668	2946.715821733666	2946.715821733666	42.019459364574	42.019459364574	
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479	151439	-55461.14133	894037.3170250766	39.30094979602364	-00.9954174	328012.113395320	4355307.157	3152.798975289947	2985.00320828021	2943.032654196617	2943.264519176698	40.0374605702673	41.1317821887756	
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486	151446	-50841.14133	894037.3170250766	39.3012037454191	-00.9790926	329419.34037345	4355279.30021521	3149.570226193021	2980.29678936184	2935.3130381125548	2935.3130381125548	42.019459364574	42.019459364574	
487	151447	-50181.14133	894037.3170250766	39.30123822197045	-00.9767605	329620.378680021	4355275.01020894	3150.009326133567	2979.4738696291507	2934.67439091578	2934.67439091578	42.019459364574	42.019459364574	
488	151448	-49521.14133	894037.3170250766	39.30127224083846	-00.9744283	329821.4110901332	4355270.996113002	3152.195732354892	2978.6548813399395	2933.709323547957	2933.709323547957	42.019459364574	42.019459364574	
489	151449	-48861.14133	894037.3170250766	39.3013058236228	-00.9720962	330022.434342606	4355266.979147835	3154.0905324637642	2977.841039911747	2933.63057261588	2933.63057261588	42.019459364574	42.019459364574	
490	151450	-48201.14133	894037.3170250766	39.3013384872304	-00.9697641	330223.4754126154	4355262.962	3155.983323899173	2977.03334557203	2930.69883130111	2931.936704125457	46.3344913629787	46.09635033123446	
491	151451	-47541.14133	894037.3170250766	39.3013723339768	-00.9674389	330429.5869368956	4355258.45363555	3156.935369672819	2976.043933953919	2929.639459364574	2929.639459364574	46.3344913629787	46.09635033123446	
492	151452	-46881.14133	894037.3170250766	39.3014038477277	-00.9650909	330634.592782476	4355254.929408591	3159.329454	2975.49349313084	2929.639459364574	2929.639459364574	46.3344913629787	46.09635033123446	
493	151453	-46221.14133	894037.3170250766	39.301436211216	-00.9627678	330826.5706588006	4355250.91822347	3160.072767439922	2974.659789303704	2928.523965511566	2928.523965511566	46.3344913629787	46.09635033123446	
494	151454	-45561.14133	894037.3170250766	39.301466442864	-00.9604356	331027.602723967	4355248.997212561	3162.5250818994048	2973.841854463985	2927.59865456759	2927.59865456			

ix	iy	ic	X.Rr	Y.Rr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WtE	BRELEVLogKrg	BRELEVBothKrg	SatBothKrg	SatBothH
575	15435	8988.858673073351	894037.3170250766	39.30250805945504	-00.7715336	37403.61810408253	4354922.240199927	2886.18711919534	2856.435175510634	2785.9058335716954	2781.06480264732	70.5293419383861	75.37037326829026	
576	15436	8558.858673073351	894037.3170250766	39.3025024426054	-00.7692015	34751.63669297059	4354918.230996556	2983.4372254716387	2854.885468516627	2783.7964567532066	2780.51568681897	71.088871	74.36363617	
577	15437	8218.858673073351	894037.3170250766	39.3024987567778	-00.7668493	34722.6551339234	4354914.239811163	2980.68729317454	2853.21139023685	2782.00788974547	2778.21708203685	71.3033490934857	75.09414678	
578	15438	9878.858673073351	894037.3170250766	39.3024898506066	-00.7645372	34719.673422714465	4354910.24006474	2971.7374524133649	2851.707406939648	2781.30248911697	2774.72411159598	70.440917895805	76.0331653052501	
579	15439	10538.858673073351	894037.3170250766	39.30246828899566	-00.7622051	348114.6915728409	4354906.2403420815	2975.9738132412235	2850.066045452477	2781.565176784801	2779.864818873473	68.60176687	76.0212567898492	
580	15440	11198.858673073351	894037.3170250766	39.30245747136736	-00.759873	34815.70967121346	4354902.24067778	2974.796421398163	2848.38025606232	2781.7284942892716	2772.121155158621	66.517071	76.2519100	
581	15441	11858.858673073351	894037.3170250766	39.3024676022919	-00.7575408	34816.7272424271	4354902.241697217	2973.6142619721243	2846.632443090944	2781.59719598383	2770.457651663043	63.05324711524142	76.057914359125	
582	15442	12518.858673073351	894037.3170250766	39.3024592827302	-00.7552087	34817.7451	4354898.24	2972.416377118996	2844.8006561771717	2781.137642806065	2774.71531746965	63.0631369115265	80.0851243020663	
583	15443	13178.858673073351	894037.3170250766	39.3024519512829	-00.7529766	34819.765845666	4354894.243781894	2971.461705	2842.854071035745	2780.56710468916	2773.21708203685	70.2660326712993	75.09414678	
584	15444	13838.858673073351	894037.3170250766	39.3024412251496	-00.7505445	34819.78056034	4354886.24503711	2970.763207308498	2840.752175880498	2779.902438559748	2773.144881801435	60.84572302452193	76.01729407006274	
585	15445	14498.858673073351	894037.3170250766	39.3024316211305	-00.7482123	34930.7973603482	4354882.26345249	2969.856767483404	2838.4947636163	2778.9846146549575	2773.1443754713193	59.4646169670561	75.30508573093474	
586	15446	15158.858673073351	894037.3170250766	39.3024214966255	-00.7458802	34952.81474022044	4354878.24822338	2968.1142687826245	2835.90736582126	2778.223507601122	2760.742797380076	57.6838522003917	75.1645843811832	
587	15447	15818.858673073351	894037.3170250766	39.3024109276346	-00.7435481	34972.83145206975	4354872.25104209	2967.448296916057	2833.11835781035	2777.4478805206468	2757.862651	57.24918524602526	75.1645843811832	
588	15448	16478.858673073351	894037.3170250766	39.3023990515224	-00.741216	34993.24837918554	4354872.25175034	2965.79457525211	2830.051856408	2776.6189	2754.001856408	53.4192969324565	76.0798261	
589	15449	17138.858673073351	894037.3170250766	39.3023884521894	-00.7388838	350124.8650609944	4354866.25439721	2963.842282	2826.857851757143	2776.309897819277	2749.9117675623295	56.94608419448878	75.30508573093474	
590	15450	17798.858673073351	894037.3170250766	39.3023765087411	-00.7365517	35025.881597335	4354862.256806278	2961.889468843043	2824.8769043043	2775.872203	2744.40002724614	61.81548700513008	79.0878711712968	
591	15451	18458.858673073351	894037.3170250766	39.302361348066	-00.7342196	350526.897988796	4354858.25964489	2960.17314368917	2820.012037085019	2775.523674139554	2745.5428352792	57.6838522003917	74.4657354521924	
592	15452	19118.858673073351	894037.3170250766	39.302351130368	-00.7318875	35077.9142332255	4354854.26238495	2961.696555	2816.42638809534	2775.440734226057	2750.8758273802	41.0219054387462	65.587056142251194	
593	15453	19778.858673073351	894037.3170250766	39.30233803548104	-00.729553	350928.3033070811	4354850.265	2962.218366523263	2812.863114444360	2775.26038356728	2756.742036969367	56.170706783201	65.1207447242596	
594	15454	20438.858673073351	894037.3170250766	39.30232413010894	-00.7272232	351129.0462945846	4354846.26840094	2962.231249402437	2809.231249402437	2775.060216373015	2758.44420242954	37.1760352617296	50.701709925028	
595	15455	21098.858673073351	894037.3170250766	39.30231013421226	-00.7248911	35130.9621076474	4354842.27056576	2962.004518185554	2805.58142888123	2774.541975473152	2750.76019147488	31.03890741380734	35.8164631663939	
596	15456	21758.858673073351	894037.3170250766	39.3022950748495	-00.722559	35151.971767657	4354838.27266431	2962.011225899153	2801.326421693694	2773.035653396626	2749.730424	30.89607629413522	32.5861673696357	
597	15457	22418.858673073351	894037.3170250766	39.3022816971406	-00.7199292	35169.9234301012	4354834.274361127	2961.981782145927	2800.57948415297	2772.43708203685	2748.23708203685	24.192161444715	31.819216144715	
598	15458	23078.858673073351	894037.3170250766	39.3022654036674	-00.7178847	35193.008837003	4354830.28345497	2956.02483394497	2794.656513	2768.2361423145403	2764.3057343494482	20.4025708213964	30.5075948347603	
599	15459	23738.858673073351	894037.3170250766	39.3022489258477	-00.7155626	352135.029319268	4354826.283677685	2954.4860189710474	2791.07912473438	2764.86946435827	2760.8376789476	26.20994607612553	30.2485347946324	
600	15460	24398.858673073351	894037.3170250766	39.3022324975427	-00.7132305	352336.039619313	4354822.290212614	2953.36844904283	2787.579780025039	2758.2011236154057	2751.02423240131	27.3786564093264	30.5655748209025	
601	15461	25058.858673073351	894037.3170250766	39.3022156187522	-00.7108983	352537.0369381956	4354818.29659317	2952.290791966462	2784.20817463217	2749.6430678942315	2750.500073786735	34.5650973885576	33.5058460463565	
602	15462	25718.858673073351	894037.3170250766	39.3021982984706	-00.7085628	352738.068	4354814.30137422	2951.197709300454	2781.037820497244	2747.236233392748	2749.793372189085	30.81587104526334	31.2444383818925	
603	15463	26378.858673073351	894037.3170250766	39.3021806971498	-00.7062341	352939.034446663	4354808.30267463	2948.925446161879	2778.1468424669925	2746.5675077217358	2747.874878517358	28.7847895122254	30.5075948347603	
604	15464	27038.858673073351	894037.3170250766	39.302162794858	-00.703902	353120.079968373	4354804.31423497	2945.5025714499	2775.5943519516	2745.7616932578973	2743.8321677173	24.192161444715	31.819216144715	
605	15465	27698.858673073351	894037.3170250766	39.302145897358	-00.7015698	353341.1235080974	4354802.31672627	2943.5025548418	2773.292404550595	2748.4212804497	2757.056406526263	24.87112240538633	31.2573789309606	
606	15466	28358.858673073351	894037.3170250766	39.302124675185	-00.6992377	353542.1265907203	4354798.32228019	2938.6448021688	2771.204845517061	2756.284019066717	2756.284019066717	24.87112240538633	31.2573789309606	
607	15467	29018.858673073351	894037.3170250766	39.302104885816	-00.6969056	353743.140688858	4354794.32800498	2936.299067921728	2769.250765	2742.17584924672	2755.266070557225	27.08125433018025	33.9909411862635	
608	15468	29678.858673073351	894037.3170250766	39.3020848536275	-00.6945735	353944.1546560245	4354790.33313667	2935.073175264738	2767.285256546572	2739.43391043986	2750.500709280696	27.08125433018025	33.9909411862635	
609	15469	30338.858673073351	894037.3170250766	39.3020674109545	-00.6922414	354145.1684850438	4354786.34010451	2933.764760404551	2765.574731	2738.706796789693	2748.0485237688213	28.867451398783487	31.72550730884852	
610	15470	30998.858673073351	894037.3170250766	39.3020493717906	-00.6899292	354346.182144095	4354782.343610127	2932.515118	2763.789800158169	2737.407300329162	2747.38147983161	24.192161444715	31.819216144715	
611	15471	31658.858673073351	894037.3170250766	39.3020220541555	-00.6875771	354547.155668063	4354778.352789886	2930.102708911276	2762.53595990042	2737.123288021967	2740.305719519307	29.8393178382809	31.72550730884852	
612	15472	32318.858673073351	894037.3170250766	39.302000200239	-00.685245	354748.209603453	4354774.359465323	2928.532075162963	2760.332972846696	2730.160334104135	2737.4842551088208	30.172640474256103	32.04847214588434	
613	15473	32978.858673073351	894037.3170250766	39.3019779341025	-00.6829129	354949.22232112666	4354770.363324228	2927.97507612137	2758.634050673387	2728.269626666037	2735.59516081932	30.346444007364	23.88921498979583	
614	15474	33638.858673073351	894037.3170250766	39.3019552001177	-00.6805807	355150.23542355804	4354766.373391191	2918.121402726338	2756.98789796299	2726.4651472619876	2734.2761781879367	27.08125433018025	33.9909411862635	
615	15475	34298.858673073351	894037.3170250766	39.301930104779	-00.6782486	355351.248394413	4354762.381	2916.131059734328	2755.2995050850596	2724.410351023276	2732.348947837107	30.8855043478358	22.94667210213366	
616	15476	34958.858673073351	894037.3170250766	39.301913786594	-00.6759165	355552.261726183	4354760.388035635	2913.1232711452876	2753.6417442578	2730.730587107625	2731.4170525786347	27.9223574836457	31.72550730884852	
617	15477	35618.858673073351	894037.3170250766	39.301897056179	-00.6735871	355753.28649896256	4354756.394052447	2910.13489701276	2750.424084103354	2727.02763314413	2723.506591392249	34.0005733929429	26.921814242337938	
618	15478	36278.858673073351	894037.3170250766	39.3018801755637	-00.6712253	355954.28649896256	4354752.4052447	2907.13489701276	2750.424084103354	2727.02763314413	2723.506591392249	34.0005733929429	26.921814242337938	
619	15479	36938.858673073351	894037.3170250766	39.3018634765446	-00.6689201	356155.2988269007	4354748.411595971	2903.558632863273	2748.846151	2714.492737152544	2720.9842880287	34.353413405476	27.93772166813172	
620	1													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVbothKrg.f	SatThbthLog.f	SatThbth.f
701	15	14661	9038.85867307335	894037.3170250766	39.2982527970559	-100.477687	372627.862236939	43454419.720167273	2737.5815276536946	202.027268200924	2545.3024514079568	2546.608701	91.463567189335631	91.463567189335631
702	15	14662	9038.85867307335	894037.3170250766	39.29819041954245	-100.475349	372838.863898948	43454415.744067317	2737.62440740317	2636.700035544525	2537.04271243135243	2537.04271243135243	91.463567189335631	91.463567189335631
703	15	14663	9038.85867307335	894037.3170250766	39.29812711635764	-100.476923	373039.865393025	4345411.78813829	2738.254340329315	2635.34542938915	2545.2238093897948	2545.2238093897948	91.463567189335631	91.463567189335631
704	15	14664	9038.85867307335	894037.3170250766	39.2980643130826	-100.476057	373204.866695454	4345447.794014108	2734.4730267269885	2634.007096	2541.290362049769	2541.290362049769	91.463567189335631	91.463567189335631
705	15	14665	9038.85867307335	894037.3170250766	39.2980066481364	-100.4683586	373441.86784728366	4345440.816782819	2732.93232028652	2632.685904109463	2538.846272511636	2538.846272511636	91.463567189335631	91.463567189335631
706	15	14666	9038.85867307335	894037.3170250766	39.2979760447127	-100.4660265	373642.866741027	4345399.842	2737.1121932743054	2631.377898751594	2535.914617778614	2535.914617778614	91.463567189335631	91.463567189335631
707	15	14667	9038.85867307335	894037.3170250766	39.29787177481165	-100.4636984	373843.8686776518	4345395.86637071	2737.077596395105	2630.082491299172	2531.273255568536	2531.273255568536	91.463567189335631	91.463567189335631
708	15	14668	9038.85867307335	894037.3170250766	39.297906943435	-100.4613623	374044.8707111016	4345391.89140536	2739.389543937105	2628.797648462947	2527.28702646142	2527.28702646142	91.463567189335631	91.463567189335631
709	15	14669	9038.85867307335	894037.3170250766	39.29791741635764	-100.459802	374245.87142368817	4345387.816831811	2740.532544434103	2627.522544425555	2525.986072548513	2525.986072548513	91.463567189335631	91.463567189335631
710	15	14670	9038.85867307335	894037.3170250766	39.29797518224595	-100.456981	374446.872	4345383.42045925	2743.213512550893	2626.25456456118	2519.5319502508116	2519.5319502508116	91.463567189335631	91.463567189335631
711	15	14671	9038.85867307335	894037.3170250766	39.297967504365	-100.454366	374647.874869699	4345379.66756164	2743.731194813736	2624.902981349486	2518.925511843358	2518.925511843358	91.463567189335631	91.463567189335631
712	15	14672	9038.85867307335	894037.3170250766	39.2975419681507	-100.4520339	374848.8728311637	4345375.99345425	2742.796831132263	2623.763263511234	2520.644838118474	2520.644838118474	91.463567189335631	91.463567189335631
713	15	14673	9038.85867307335	894037.3170250766	39.2974745333836	-100.4497018	375049.8730691957	4345370.14304663	2742.881720255166	2622.483543687575	2524.663061782758	2524.663061782758	91.463567189335631	91.463567189335631
714	15	14674	9038.85867307335	894037.3170250766	39.2974067514964	-100.4473697	375250.8731804219	4345368.04	2742.966690897803	2621.233606804793	2529.876226408903	2529.876226408903	91.463567189335631	91.463567189335631
715	15	14675	9038.85867307335	894037.3170250766	39.2973638184348	-100.4450378	375451.873119915	4345364.071994237	2742.939308591653	2619.966515285795	2534.4433710326287	2534.4433710326287	91.463567189335631	91.463567189335631
716	15	14676	9038.85867307335	894037.3170250766	39.297269834208	-100.442756	375652.87144028	4345360.088538715	2748.79776809447	2618.7411314335224	2538.21695581985	2538.21695581985	91.463567189335631	91.463567189335631
717	15	14677	9038.85867307335	894037.3170250766	39.2972069954135	-100.4403735	375853.872896908	4345356.12508827	2747.85893037167	2617.48803064712	2535.429906958405	2535.429906958405	91.463567189335631	91.463567189335631
718	15	14678	9038.85867307335	894037.3170250766	39.2971311143974	-100.4380414	376054.872	4345352.15242714	2746.518409273865	2616.25605301747	2533.136031394567	2533.136031394567	91.463567189335631	91.463567189335631
719	15	14679	9038.85867307335	894037.3170250766	39.297061878788	-100.4357093	376255.8720547555	4345348.17982319	2745.32519214906	2615.017082626455	2525.473020282713	2525.473020282713	91.463567189335631	91.463567189335631
720	15	14680	9038.85867307335	894037.3170250766	39.2969905967334	-100.433772	376456.8714421189	4345344.26076642	2744.55829377319	2613.779587926066	2521.810592246507	2521.810592246507	91.463567189335631	91.463567189335631
721	15	14681	9038.85867307335	894037.3170250766	39.2969197	-100.431051	376657.8707200706	4345340.23421664	2742.832495043513	2612.544575602115	2524.96371557173	2524.96371557173	91.463567189335631	91.463567189335631
722	15	14682	9038.85867307335	894037.3170250766	39.2968425695072	-100.428713	376858.8698797967	4345340.162137385	2741.58616103744	2611.21552572508	2526.821406589335	2526.821406589335	91.463567189335631	91.463567189335631
723	15	14683	9038.85867307335	894037.3170250766	39.2967849844466	-100.426384	377059.8682151076	4345338.71968841	2740.69156698484	2610.291191566848	2524.96371557173	2524.96371557173	91.463567189335631	91.463567189335631
724	15	14684	9038.85867307335	894037.3170250766	39.2967041435487	-100.424008	377260.8678451457	4345332.317018715	2739.505208627407	2608.962767233472	2524.778120479318	2524.778120479318	91.463567189335631	91.463567189335631
725	15	14685	9038.85867307335	894037.3170250766	39.2966314050784	-100.4217167	377461.86665174	4345324.346	2738.545232720444	2607.650353791014	2521.174555447	2521.174555447	91.463567189335631	91.463567189335631
726	15	14686	9038.85867307335	894037.3170250766	39.2965652161323	-100.4193847	377662.8653046141	4345320.374657027	2737.708115154824	2606.451069133665	2521.488056104457	2521.488056104457	91.463567189335631	91.463567189335631
727	15	14687	9038.85867307335	894037.3170250766	39.296485676116	-100.4170526	377863.8638123171	4345316.03431608	2736.52278514822	2605.241345683355	2514.397605600184	2514.397605600184	91.463567189335631	91.463567189335631
728	15	14688	9038.85867307335	894037.3170250766	39.296414986181	-100.4147055	378064.8623671035	4345312.432165781	2731.59417280185	2604.0364814051495	2512.193208657134	2512.193208657134	91.463567189335631	91.463567189335631
729	15	14689	9038.85867307335	894037.3170250766	39.29636159158515	-100.412384	378265.8645176954	4345308.525312	2728.78107152005	2602.94133073807	2510.049074	2510.049074	91.463567189335631	91.463567189335631
730	15	14690	9038.85867307335	894037.3170250766	39.2962705056028	-100.410025	378466.86263057	4345304.49457061	2727.543047175554	2601.61795668073	2508.359040478176	2508.359040478176	91.463567189335631	91.463567189335631
731	15	14691	9038.85867307335	894037.3170250766	39.2961851542842	-100.4077242	378667.8631072814	4345300.51985825	2726.745960824516	2600.408684371899	2506.819168402947	2506.819168402947	91.463567189335631	91.463567189335631
732	15	14692	9038.85867307335	894037.3170250766	39.2961096224919	-100.4053921	378868.8550207836	4345296.50470791	2725.961460036541	2599.196460036541	2504.531070402573	2504.531070402573	91.463567189335631	91.463567189335631
733	15	14693	9038.85867307335	894037.3170250766	39.2960333	-100.40306	379069.852829219	4345292.57293353	2724.931639704433	2597.983417484365	2502.151294636643	2502.151294636643	91.463567189335631	91.463567189335631
734	15	14694	9038.85867307335	894037.3170250766	39.2959654874962	-100.400728	379270.850	4345288.06926699	2723.957919657269	2591.5854739652724	2500.22613320724	2500.22613320724	91.463567189335631	91.463567189335631
735	15	14695	9038.85867307335	894037.3170250766	39.2958750442731	-100.398399	379471.848291509	4345284.63548025	2722.981871544713	2590.556309205207	2500.150346467034	2500.150346467034	91.463567189335631	91.463567189335631
736	15	14696	9038.85867307335	894037.3170250766	39.2957915058575	-100.396032	379672.8458176954	4345280.525312	2721.98107152005	2589.441800398866	2499.378682007007	2499.378682007007	91.463567189335631	91.463567189335631
737	15	14697	9038.85867307335	894037.3170250766	39.295724064231	-100.3937317	379873.842228688	4345276.7003901	2720.974167585474	2588.42483918757	2498.7914379866	2498.7914379866	91.463567189335631	91.463567189335631
738	15	14698	9038.85867307335	894037.3170250766	39.295644117932	-100.391396	380074.8405247644	4345272.711459575	2720.071379056174	2587.319137242324	2498.726316233707	2498.726316233707	91.463567189335631	91.463567189335631
739	15	14699	9038.85867307335	894037.3170250766	39.2955657666871	-100.3890676	380275.87370610497	4345268.762092094	2719.071598905314	2586.5947	2498.3987197441306	2498.3987197441306	91.463567189335631	91.463567189335631
740	15	14700	9038.85867307335	894037.3170250766	39.2954867110825	-100.3867355	380476.8347291465	4345264.793228761	2718.07167123523	2585.481480039866	2497.378682007007	2497.378682007007	91.463567189335631	91.463567189335631
1	15	14701	-370941.1413	894697.3170250766	39.29498198824188	-102.1101212	318189.1547099877	4357451.62169579	3965.379482906273	3783.21976058745	3733.58477134804	3733.58477134804	91.463567189335631	91.463567189335631
2	15	14702	-370281.1413	894697.3170250766	39.29477282599458	-102.107795	322100.196712875	4357450.59069528	3964.53181458526	3781.85714830973	3732.796370697984	3732.796370697984	91.463567189335631	91.463567189335631
3	15	14703	-369721.1413	894697.3170250766	39.29457282599458	-102.105407	326100.196712875	4357449.58526	3963.481458526	3774.841458526	3731.85714830973	3731.85714830973	91.463567189335631	91.463567189335631
4	15	14704	-368961.1413	894697.3170250766	39.2943773619521	-102.103126	3302							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
87	154	114787	-31481.1413	894697.3170250766	39.2696269038611	-101.9059869	249196.0001380905	4357098.70387281	3816.355231809683	3645.59582539576	3562.520574222813	3565.958345651297	81.0352513176452	77.59748708344614
88	154	114788	-31523.1413	894697.3170250766	39.2696841145354	-101.907255	249397.1151918431	4357094.61245972	3815.251704203617	3641.598005155797	3555.514891437132	3558.925133662293	86.083314986649	83.50549239966778
89	154	114789	-31261.1413	894697.3170250766	39.2702548748608	-101.9048191	249696.2298971975	4357095.37123037	3814.146276698192	3639.823291	3548.007134852674	3528.740265110965	81.85111386135234	79.61861334530334
90	154	114790	-31201.1413	894697.3170250766	39.2702681846809	-101.9025193	249739.5455352578	4357098.2422896	3813.041790900175	3637.6411787574584	3538.032137787843	3531.03194629151	96.00760697	96.6091841280373
91	154	114791	-31154.1413	894697.3170250766	39.27204810441514	-101.9002594	250000.4588664472	4357082.328057859	3810.366364362752	3635.650146657433	3536.9178771831425	3536.945186254107	93.7226947429475	98.70406040333046
92	154	114792	-31081.1413	894697.3170250766	39.2720549352196	-101.8979276	250201.57292814436	4357078.233720402	3806.178598938014	3635.651259056474	3536.175418013668	3534.587840192243	97.74271509	99.0672851340454
93	154	114793	-31021.1413	894697.3170250766	39.2720594118851	-101.8959597	250402.8684675583	4357074.14	3801.971231494222	3631.6576697028941	3535.656968335086	3532.70178468944	96.00070136789554	98.95596035135748
94	154	114794	-30961.1413	894697.3170250766	39.2711169201479	-101.8932438	250403.8003119424	4357074.05633317	3797.76398305717	3629.660127390765	3533.4225703026954	3534.491585138496	94.23755733096594	99.1685420740704
95	154	114795	-30891.1413	894697.3170250766	39.2707278780072	-101.8909632	250604.9136334248	4357075.951883675	3814.146276698192	3629.823291	3548.007134852674	3528.740265110965	92.8552692669575	96.5380640740368
96	154	114796	-30824.1413	894697.3170250766	39.27115385442296	-101.8886001	251006.02787036705	4357071.85832927	3798.1397361078957	3625.672925444534	3534.3280105534472	3526.101653356723	91.94591895	95.6623981808112
97	154	114797	-30758.1413	894697.3170250766	39.27174754251426	-101.8862682	251207.1398368246	4357057.764776165	3783.12600682383	3623.86014906053	3533.4932257201795	3527.131949742403	90.19278918587361	95.5146129632677
98	154	114798	-30692.1413	894697.3170250766	39.2719584491612	-101.8839363	251408.2511905633	4357053.671801272	3778.112277358306	3621.7054827279817	3523.05132963907	3523.9614718584894	89.654153809048	97.74401086849229
99	154	114799	-30621.1413	894697.3170250766	39.2722167705403	-101.8816045	251609.3644526575	4357049.579	3774.0481591482584	3619.732623158108	3529.779154722061	3525.95434843824	89.95346889	97.74401086849229
100	154	114800	-30561.1413	894697.3170250766	39.27227365112397	-101.8792726	251810.4764565537	4357045.486	3770.9316914471647	3617.769764781647	3526.5376060804043	3519.361628	91.2321613976052	98.068118586673
101	154	114801	-30484.1413	894697.3170250766	39.2725846956756	-101.8769407	252011.5889040146	4357041.393500002	3768.76816941500394	3615.8210453251254	3522.56802748926	3518.4333862	93.25284360225236	90.4981735969014
102	154	114802	-30421.1413	894697.3170250766	39.2727927716954	-101.8746088	252212.69989891582	4357037.30112187	3764.704639650003	3613.8868746190152	3517.6853261247176	3509.871046331813	96.201154913657	90.411502818583393
103	154	114803	-30362.1413	894697.3170250766	39.2732002361335	-101.872727	252418.1313490076	4357033.20893240	3761.194917347402	3611.9670784410026	3512.650477483195	3507.693191248057	93.3169725	90.411502818583393
104	154	114804	-30296.1413	894697.3170250766	39.273272035248	-101.8699451	252614.9224531716	4357029.119656277	3757.289962394547	3610.06246317775	3508.718686189471	3507.693191248057	90.411502818583393	90.411502818583393
105	154	114805	-30230.1413	894697.3170250766	39.27341378432855	-101.8676132	252816.0333175632	4357025.025161965	3753.850551325068	3608.173406	3506.211699	3510.329766814935	90.19278918587361	97.74401086849229
106	154	114806	-30161.1413	894697.3170250766	39.2736198877428	-101.8652813	253017.1433973695	4357020.934	3749.48014213562	3606.29035246166	3504.235537423355	3512.636361	90.19278918587361	97.74401086849229
107	154	114807	-30081.1413	894697.3170250766	39.2738255407129	-101.8629944	253218.25432179908	4357015.482168104	3745.991454753039	3604.404116381763	3502.267213032447	3510.329766814935	90.19278918587361	97.74401086849229
108	154	114808	-30021.1413	894697.3170250766	39.2740337425254	-101.8606176	253419.364444551	4357012.70564937	3742.91904732037	3602.514001003573	3500.262236143037	3508.718686189471	90.19278918587361	97.74401086849229
109	154	114809	-29961.1413	894697.3170250766	39.2742435456355	-101.8583219	253624.3084984802	4357008.584677889	3740.5914054281693	3600.5914054281693	3500.262236143037	3508.718686189471	90.19278918587361	97.74401086849229
110	154	114810	-29900.1413	894697.3170250766	39.274439774261	-101.8555538	253821.5837496512	4357004.593140097	3737.7422426206	3598.087683257397	3496.377984813667	3505.513944531793	90.19278918587361	97.74401086849229
111	154	114811	-29834.1413	894697.3170250766	39.27463485762	-101.8536219	254022.693743853	4357004.593140097	3734.03597858233	3595.145828396302	3494.354112876336	3505.513944531793	90.19278918587361	97.74401086849229
112	154	114812	-29768.1413	894697.3170250766	39.2748470495178	-101.85129	254223.80253145573	4356996.38110533	3731.6427936413264	3593.571798858095	3492.273284951533	3501.871279638895	90.19278918587361	97.74401086849229
113	154	114813	-29702.1413	894697.3170250766	39.27505000004905	-101.8489581	254424.9114429823	4356992.29788465	3729.24587192328	3592.4118386466548	3490.2515302668294	3497.097150975788	90.19278918587361	97.74401086849229
114	154	114814	-29636.1413	894697.3170250766	39.275252001697	-101.8466262	254626.0201154945	4356988.207588196	3726.849031	3590.285268128724	3488.201980102624	3492.530117040403	90.19278918587361	97.74401086849229
115	154	114815	-29570.1413	894697.3170250766	39.275456256395	-101.8442843	254827.1284252568	4356984.2562568	3724.85821838919	3588.1509339812724	3486.184102241724	3490.2515302668294	90.19278918587361	97.74401086849229
116	154	114816	-29504.1413	894697.3170250766	39.27565614917624	-101.8419624	255029.4297282295	4356982.328057859	3722.74404754584	3586.923077750503	3484.79207750075	3487.121157866718	90.19278918587361	97.74401086849229
117	154	114817	-29438.1413	894697.3170250766	39.2758572981617	-101.8396305	255229.3477143845	4356975.938940607	3720.816195342152	3583.806057	3481.5800411300484	3485.4882550411	90.19278918587361	97.74401086849229
118	154	114818	-29372.1413	894697.3170250766	39.2760579966347	-101.8372968	255424.452472622	4356971.85	3718.916683210245	3581.73381313202	3479.27542667109	3484.387406605205	90.19278918587361	97.74401086849229
119	154	114819	-29306.1413	894697.3170250766	39.2762582	-101.8349667	255631.5599311488	4356967.76065135	3717.918679102106	3579.63271856615	3476.80713815241	3485.37710374955	90.19278918587361	97.74401086849229
120	154	114820	-29240.1413	894697.3170250766	39.276458	-101.8326348	255832.661748378	4356963.67179305	3717.84675572086	3577.5712577757394	3474.0964195175193	3481.7102663582201	90.4072111223406	97.74401086849229
121	154	114821	-29174.1413	894697.3170250766	39.276657389578	-101.8303029	256033.7741420808	4356959.583140028	3717.7748317413725	3575.4063009250293	3474.943623009676	3488.0416748167986	90.4072111223406	97.74401086849229
122	154	114822	-29108.1413	894697.3170250766	39.2768572981617	-101.827871	256244.3084984802	4356954.46777889	3717.70297558973	3573.29195	3472.69692769854	3487.121157866718	90.4072111223406	97.74401086849229
123	154	114823	-29042.1413	894697.3170250766	39.2770547328008	-101.8258381	256455.9873517976	4356951.406411485	3717.72418603395	3571.10562891824725	3464.2068271824725	3481.7102663582201	90.4072111223406	97.74401086849229
124	154	114824	-28976.1413	894697.3170250766	39.2772572879185	-101.8233072	256637.0360422447	4356947.31840313	3720.83876428956	3569.095204386944	3459.916115291271	3476.792319741587	90.19278918587361	97.74401086849229
125	154	114825	-28910.1413	894697.3170250766	39.2774502743677	-101.8209753	256838.19691597127	4356943.30446559	3726.953309727892	3566.996834722894	3456.3802100116304	3472.860642400398	90.19278918587361	97.74401086849229
126	154	114826	-28844.1413	894697.3170250766	39.2776473695283	-101.8186434	257039.305872473	4356939.143	3725.06763910015	3564.896633359561	3456.156119928208	3469.708851322274	90.19278918587361	97.74401086849229
127	154	114827	-28778.1413	894697.3170250766	39.2778440142728	-101.8163115	257240.19182445	4356935.055303084	3726.1665853174563	3562.8028354853964	3456.498363320603	3468.159968370717	90.19278918587361	97.74401086849229
128	154	114828	-28712.1413	894697.3170250766	39.2780442080614	-101.8139796	257441.5162091822	4356930.38	3726.25704451729	3560.70367462176	3441.8943363340595	3467.154790484147	90.19278918587361	97.74401086849229
129	154	114829	-28646.1413	894697.3170250766	39.27824621400825	-101.8116315	257643.7943716802	4356925.794	3726.35054773675	3558.511477087923	3442.313985793845	3466.538657487032	90.19278918587361	97.74401086849229
130	154	114830	-28580.1413	894697.3170250766	39.27844321400825	-101.8093158	257843.7943716802	4356921.794	3726.35054773675	3558.511477087923	3442.313985793845	3466.538657487032	90.19278918587361	97.74401086849229
131	154	114831	-28514.1413	894697.3170250766	39.2786460890									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogsKgf.	BR/ElevBothKgf.	SatHtLogs.ft	SatHtBoth.ft
213	156	144913	-232021.1413	894697.3170250766	39.293907048180548	-01.6157629	27454.61047569395	4356584.263067646	3995277603932277	331.148072234649	3333.7647519065836	3333.20846028988	97.3383203370547	97.338320246166108
214	156	144914	-230361.1413	894697.3170250766	39.29322787672901	-01.6134309	2743.65968949194	4356580.192503786	3933.9447300017496	332.139690501627	3323.366379136491	98.1653619	98.7213525987698	98.7213525987698
215	156	144915	-229701.1413	894697.3170250766	39.2933584982978	-01.6116698	2748.95781810363	4356576.1704652647	3938.296727	3424.1982557101405	3329.450748369915	3330.615647138338	98.8330949553306	98.086991231305
216	156	144916	-229041.1413	894697.3170250766	39.29354143823944	-01.6087698	2751.7378605070555	4356701.052119913	354.762069808473	3428.587291755848	3329.596701362483	3329.501281969816	98.920448556978	98.0800601500224
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227	156	144927	-221781.1413	894697.3170250766	39.2952338271045	-01.5831477	2773.48738217654	4356527.364826264	3596.067553508238	3418.931041080195	3327.5143939366588	3326.5922962849675	91.47965108435642	91.47965108435642
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
329	151039	-147861.1413	894697.3170250766	39.3039626838077	-101.3219229	299869.6899461738	435607.9216	3376.062234784568	3261.8442177530483	3204.0422537489053	3214.3421973938813	3017.961964004142974	47.50220071	
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367	151067	-129381.1413	894697.3170250766	39.312019178763879	-101.2566238	305569.20707876	435599.7070876	3322.940733861486	3197.1183740284987	3159.1183740284987	3169.867498977055	3017.6773308171497	45.777630570455084	
368	151068	-128721.1413	894697.3170250766	39.3121005020268	-101.2542914	305700.3229470413	435599.65130262	3320.9171615875	3195.51565972934	3157.854719805162	3165.84813366687	3017.6773308171497	45.777630570455084	
369	151069	-128061.1413	894697.3170250766	39.3121876971843	-101.251963	305901.376881676	435599.621190909	3317.663059546029	3193.887498779247	3155.364478744073	3160.26028667054	3017.6773308171497	45.777630570455084	
370	151070	-127401.1413	894697.3170250766	39.312274818602	-101.2496271	306102.42962124816	435599.581053993	3315.1850478450025	3190.2316833246	3153.3820412851583	3158.9157673040174	3017.6773308171497	45.777630570455084	
371	151071	-126741.1413	894697.3170250766	39.3123616160547	-101.247295	306304.426641558	435599.543102795	3313.975451152934	3185.055952140677	3151.143688945433	3156.7225817751037	3017.6773308171497	45.777630570455084	
372	151072	-126081.1413	894697.3170250766	39.31244789976736	-101.2449629	306504.5355170906	435599.503135468	3314.034713152903	3182.8427782107386	3148.78860247299	3154.582073576995	3017.6773308171497	45.777630570455084	
373	151073	-125421.1413	894697.3170250766	39.31253342595816	-101.2426308	306705.5881802605	435599.463592	3314.0940195926523	3180.70112714783	3146.2745848221085	3153.978889287975	3017.6773308171497	45.777630570455084	
374	151074	-124761.1413	894697.3170250766	39.3126191157892	-101.240296	306906.5405731163	435599.421401378	3312.941306729983	3177.351017169877	3144.9214374861311	3151.4553738106	3017.6773308171497	45.777630570455084	
375	151075	-124101.1413	894697.3170250766	39.312704308553	-101.237965	307107.6380076174	435599.38232608	3312.941306729983	3174.567269579884	3143.989978771162	3144.022570376816	3017.6773308171497	45.777630570455084	
376	151076	-123441.1413	894697.3170250766	39.3127885296391	-101.235634	307308.7451331713	435599.34252676	3310.606223823923	3171.755224	3136.770340662314	3140.551763700085	3017.6773308171497	45.777630570455084	
377	151077	-122781.1413	894697.3170250766	39.3128725611403	-101.2333022	307509.797038308	435599.30354573	3308.2223886839	3168.9163564322953	3133.178417174804	3136.926455914235	3017.6773308171497	45.777630570455084	
378	151078	-122121.1413	894697.3170250766	39.3129611419587	-101.2309701	307710.84875675006	435599.267	3306.831734548684	3166.055213603376	3129.633695348214	3133.47987	3017.6773308171497	45.777630570455084	
379	151079	-121461.1413	894697.3170250766	39.313032722941	-101.228638	307911.900285639	435599.212486921	3305.244178414654	3164.171979796084	3126.1783079724862	3130.032746665443	3017.6773308171497	45.777630570455084	
380	151080	-120801.1413	894697.3170250766	39.3131125916248	-101.2263308	308112.9516261905	435599.19023158	3304.4000195926523	3160.261779178417	3122.6071450845548	3126.4628287194	3017.6773308171497	45.777630570455084	
381	151081	-120141.1413	894697.3170250766	39.313205940153	-101.2240296	308316.057826291	435599.161829091	3303.17492188777	3158.34589269027	3120.33401402353	3124.92107160985193	3017.6773308171497	45.777630570455084	
382	151082	-119481.1413	894697.3170250766	39.313295604017	-101.221615	308515.0537431366	435599.11412345	3302.832673171463	3156.20250508958	3119.29637374427	3119.794261175818	3017.6773308171497	45.777630570455084	
383	151083	-118821.1413	894697.3170250766	39.3133872888041	-101.2193094	308716.104519347	435598.07680919	3301.945133641977	3121.940049947328	3116.431346007462	3118.3112864466955	3017.6773308171497	45.777630570455084	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatHtKgr.f	SatHtBothKgr.f
465	156	11655	-64701.14133	894697.3170250766	39.33185032093031	-101.0280727	32501.6491750089	4355564.650201224	1165.8584284470574	2972.416764031904	2972.4163854887165	2972.9918373353466	25.131278543187364	24.555826969557233
466	156	11656	-64041.14133	894697.3170250766	39.33185471711564	-101.025705	325402.685067007	4355560.6201	1164.953181643698	2970.75626241324	2972.524811594165	2972.10408849441	24.12750696957366	23.599513394861125
467	156	11657	-63841.14133	894697.3170250766	39.33186249344324	-101.0234803	325693.7298279097	4355556.607235648	1163.887965041294	2970.672386015479	2972.22386015479	2972.6422646611488	24.6502646611488	24.6502646611488
468	156	11658	-62721.14133	894697.3170250766	39.33186367121564	-101.021072	325804.7563984063	4355552.586072032	1162.9541544154176	2969.404071703384	2968.5315444154176	2968.726833705547	26.517457144965576	26.517457144965576
469	156	11659	-62601.14133	894697.3170250766	39.331867625758704	-101.018744	326005.7917996999	4355548.565081818	1161.2275850339405	2964.229336512427	2966.249336	2966.702322614587	27.9800909	27.980090917842185
470	156	11660	-61401.14133	894697.3170250766	39.33187183934237	-101.0164118	326206.8270306925	4355542.230326045	1159.4312305230645	2963.414671051213	2964.2207527015556	2964.2064206143484	29.310716894656596	29.310716894656596
471	156	11661	-60701.14133	894697.3170250766	39.3318760787665	-101.0140797	326407.86209202127	4355540.52380606	1158.74146228386	2962.6041762228386	2962.5491780938028	2962.3400252924263	30.26230529303584	30.26230529303584
472	156	11672	-60081.14133	894697.3170250766	39.33188013136155	-101.0117475	326608.8969838933	4355536.303269955	1157.174768179034	2961.794088285955	2961.424426661796	2961.201182055327	30.36961196608947	30.36961196608947
473	156	11673	-59421.14133	894697.3170250766	39.33188249344324	-101.0094153	326809.8317065135	4355528.607235648	1156.8241646121	2960.864814933454	2960.15459872584	2962.472683707036	28.6304727639627	28.6304727639627
474	156	11674	-58761.14133	894697.3170250766	39.33188824318315	-101.0070831	327012.9060268675	4355526.46320724	1155.613238032006	2960.1744153899564	2962.361226053151	2962.72597504604	27.813137950532	26.44681589619564
475	156	11675	-58011.14133	894697.3170250766	39.33189223151981	-101.004751	327212.0066448176	4355514.343194843	1154.313851198084	2960.360759385354	2960.654110012049	2949.900844153816	28.7606552468434	27.301152315376
476	156	11676	-57441.14133	894697.3170250766	39.33189617480705	-101.0024188	327413.048609127	4355510.423555998	1152.645459078807	2960.543897369557	2947.891201039568	2947.552321	40.9562661398991	40.95626625892556
477	156	11677	-56781.14133	894697.3170250766	39.33190073044854	-101.0000866	327614.068980548	4355504.104110156	1150.9570766	2960.7722293203057	2945.872036114975	2945.8457325186877	41.85019331781077	41.8769401
478	156	11678	-56121.14133	894697.3170250766	39.3319030623321	-100.9977544	327815.1078810084	4355502.348457329	1148.896601966554	2946.1635114502697	2944.441321101814	2944.7330051622845	42.7330051622845	42.7330051622845
479	156	11679	-55481.14133	894697.3170250766	39.331907134372116	-100.9954223	328016.136494258	4355508.365797506	1148.30878062554	2946.068209733024	2943.9197914069295	2943.9197914069295	43.1847166128985	42.9748912486884
480	156	11680	-54801.14133	894697.3170250766	39.33191148746159	-100.9930901	328217.17	4355504.340630878	1147.977388252103	2945.237862310585	2941.69044003473	2941.954364685148	43.547422	43.5859562543724
481	156	11681	-54141.14133	894697.3170250766	39.331915822	-100.9907579	328418.2034101015	4355503.328266837	1147.64598624662	2944.97516221734	2940.4537337684073	2939.527326721033	43.9350578537664	43.8995540906312
482	156	11682	-53481.14133	894697.3170250766	39.3319188849213	-100.9884257	328619.236627594	4355496.309775971	1147.31436024321	2943.575483474224	2939.332132476214	2939.65959167384	43.9162571720095	43.9162571720095
483	156	11683	-52821.14133	894697.3170250766	39.33192252	-100.9860396	328820.266869656	4355489.214880676	1146.907727	2942.746070397337	2937.955781636046	2938.46383844304	44.7902887373286	44.7902887373286
484	156	11684	-52161.14133	894697.3170250766	39.3319260932479	-100.9836714	329021.3024335195	4355482.373123942	1146.32567205041	2941.9170767986157	2936.873734354237	2937.247365818506	45.62933360491935	44.66913137616506
485	156	11685	-51501.14133	894697.3170250766	39.33192963716666	-100.9814292	329223.32505204024	4355484.25451818	1145.9439047111455	2941.089087	2935.7451700111455	2936.17682892345	45.3439711	44.9125812769517
486	156	11686	-50841.14133	894697.3170250766	39.331933295591	-100.979067	329422.3677919498	4355480.2778219	1145.40604717962	2940.263312397175	2934.548868180976	2935.16241218085	45.7144427163823	45.7144427163823
487	156	11687	-50181.14133	894697.3170250766	39.33193728955115	-100.9764213	329624.705895405	4355474.0119055	1145.14724554408	2939.471423669287	2934.7289311504214	2934.7289311504214	46.180973258916	46.180973258916
488	156	11688	-49521.14133	894697.3170250766	39.3319398039615	-100.9744327	329825.4327305228	4355472.2042843	1144.6341503766	2938.6303060381	2933.57479754503	2934.479893684502	46.042312	46.143173290334
489	156	11689	-48861.14133	894697.3170250766	39.3319433804019	-100.9721005	330026.4641750124	4355468.185812584	1144.247713612152	2937.8107438440375	2931.548377225894	2931.790358056272	46.023668044357	46.023668044357
490	156	11690	-48201.14133	894697.3170250766	39.331946650634755	-100.9697683	330227.49629421526	4355464.168875241	1144.859012149864	2937.0505122013627	2930.5490792198307	2930.7312253565	46.45604208153022	46.45199497797915
491	156	11691	-47541.14133	894697.3170250766	39.33194981179745	-100.9674362	330428.502653057	4355460.152130796	1144.820713176796	2936.2072025160937	2931.1667622190234	2930.1984746837908	46.4504022970029	46.40087278181571
492	156	11692	-46881.14133	894697.3170250766	39.33195314067523	-100.965104	330629.59565116166	4355456.13579247	1145.128164985944	2935.4719907024613	2933.60123585767	2933.749700193033	41.75465444785464	41.66820948042816
493	156	11693	-46221.14133	894697.3170250766	39.3319569381712198	-100.962718	330830.59981307	4355454.700362618	1144.944914923687	2934.638452787683	2933.623732585816	2933.623732585816	42.880973258916	42.880973258916
494	156	11694	-45561.14133	894697.3170250766	39.33196034384	-100.9604396	331031.0741475075	4355450.1004004	1144.7157072	2933.20581256695	2932.20581256695	2932.20581256695	44.68687516782146	44.68687516782146
495	156	11695	-44901.14133	894697.3170250766	39.33196253786442	-100.9581075	331222.6519846556	4355440.07801887	1145.78895540623	2933.119942590285	2928.890394860676	2929.53479984087	44.22100072260606	43.577143644153
496	156	11696	-44241.14133	894697.3170250766	39.33196558	-100.9557753	331433.6840849274	4355440.071301832	1145.547701704593	2932.364746698273	2928.802852	2929.5440343126133	44.5620222891408	42.8028357529896
497	156	11697	-43581.14133	894697.3170250766	39.33196858	-100.9534431	331634.714806898	4355436.052776593	1145.329786759703	2931.766819872495	2928.542731457476	2929.469993538677	43.03831839177355	42.1561922381974
498	156	11698	-42921.14133	894697.3170250766	39.33197152960756	-100.9511109	331835.7451364574	4355432.04302272	1145.044203431	2930.79786084527	2929.710422	2929.710422	42.076216384709	41.18650752099894
499	156	11699	-42261.14133	894697.3170250766	39.3319744675613	-100.9487187	332038.775950827	4355428.25181749	1144.834370489778	2930.77852991788	2929.2529	2929.3053993006575	40.7360260177932	40.14327026915054
500	156	11700	-41601.14133	894697.3170250766	39.33197728955115	-100.9464213	332237.805895405	4355424.0119055	1144.6714724554408	2930.471423669287	2929.7289311504214	2929.7289311504214	43.742422	43.742422
501	156	11701	-40941.14133	894697.3170250766	39.33198011590451	-100.944114	332438.8306516365	4355419.99529471	1144.520400736324	2928.74719705627	2930.012152760923	2930.801972584332	36.36404501877943	37.88346858030274
502	156	11702	-40281.14133	894697.3170250766	39.33198287965079	-100.9417822	332639.8605951504	4355415.9066911	1144.5404761261025	2928.067100154015	2930.960904331545	2931.4270338170095	31.25195224074036	36.6060634
503	156	11703	-39621.14133	894697.3170250766	39.33198561485589	-100.93945	332840.8958000341	4355410.66218858	1144.6472649218	2927.4609524108144	2932.1530232144905	2932.505991963285	31.2530991963285	34.88504561165323
504	156	11704	-38961.14133	894697.3170250766	39.3319883	-100.9371179	333041.9253775992	4355407.95201395	1144.621384637689	2926.776922171303	2932.59168239463	2932.59168239463	34.198523471840162	33.9110784010307
505	156	11705	-38301.14133	894697.3170250766	39.33199093360746	-100.9347867	333242.9547923945	4355403.937695709	1144.7193016314288	2926.041318454404	2932.509563760222	2932.706290723435	33.7623705181165	33.3302812
506	156	11706	-37641.14133	894697.3170250766	39.33199352540884	-100.932435	333443.98474751	4355399.324104807	1144.7247186771457	2925.523673503302	2932.7050608004203	2932.936394589293	32.57465948829	32.38832845092233
507	156	11707	-36981.14133	894697.3170250766	39.331996136719	-100.9301781	333645.9618581614	4355394.5047125454	1144.73047368699	2924.638187243946	2932.63047368699	2932.63047368699	31.7401747481514	31.7401747481514
508	156	11708	-36321.14133	894697.3170250766	39.331998573862705	-100.9277483	333846.0420628134	4355391.869762998	1144.73047368699	2923.593496429434	2932.515839991514	2932.515839991514	30.401655017975	29.48740327670091
509	156	11709	-35661.14133	894697.3170250766	39.33200130551522	-100.925								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.f	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatfThKgr.f	SatfThBoth.f
591	151291	18458.8586770335	894697.3170250766	39.3204917	-100.734218	305030.898546347	4350559.450395265	2963.743045479045	18.5540119629127	2774.9166420475097	2749.887347426799	43.63736955402084	88.6666436113179	
592	151292	1911.8586770335	894697.3170250766	39.3204789933848	-100.731888	350731.9145925051	4350555.450395363	2964.216987825043	18.567942271692	2774.917014550537	2754.162664041628	40.15087081662841	80.90552762306414	
593	151293	1873.8586770335	894697.3170250766	39.32036681859045	-100.729826	350992.8203494198	4350551.450395387	2964.698168943276	18.5189192404853	2783.347338895463	2757.530202154537	36.71730049	53.93683180446465	
594	151294	20438.8586770335	894697.3170250766	39.3204518928488	-100.7272214	351133.1465020406	4350550.439061166	2965.1646480311	28017.9623021483	2775.7240084117537	2755.67386734343	32.190942770837424	52.551433095281	
595	151295	21098.8586770335	894697.3170250766	39.3204371166101	-100.7248892	351334.9618624748	4350543.462326518	2964.316687560275	2804.2967593604783	2776.021872233133	2759.90668650087	27.84877131650303	44.38970606490885	
596	151296	21758.8586770335	894697.3170250766	39.32042308987425	-100.7225571	351535.9737307855	4350540.954579177	2962.164839655299	2800.649092060584	2774.798620204045	2766.431284597456	25.8507441	34.21780426540445	
597	151297	22418.8586770335	894697.3170250766	39.320420840126413	-100.7202249	351736.9926553124	4350535.469447239	2959.9702164046324	2796.992164046324	2771.2691517547855	2764.953172593034	25.72302192545824	32.0384771530301	
598	151298	22248.8586770335	894697.3170250766	39.32039448914112	-100.7178927	351938.0073621834	4350531.432499493	2957.807204770562	2793.33928139785	2765.79698671435	2757.9163045667	27.54258346835013	34.197526321847	
599	151299	22378.8586770335	894697.3170250766	39.3203765668425	-100.7155666	352139.0287970525	4350527.47333934	2957.956846232664	2789.707811754784	2764.684547709854	2753.128125955466	31.13390486105816	53.978918762835	
600	151300	24398.8586770335	894697.3170250766	39.3203607769602	-100.7132283	352340.0371679799	4350522.481565248	2954.4259465309875	2786.14262784711	2768.5486422114825	2743.377439511116	37.575983632828	42.4771909	
601	151301	25058.8586770335	894697.3170250766	39.3203432	-100.7108961	352541.05251824763	4350519.48588285	2952.895055	2782.604133879285	2768.8550072626217	2734.75446244037	45.78512605265687	47.8486945439067	
602	151302	25718.8586770335	894697.3170250766	39.3203259	-100.708564	352742.0612771717	4350510.49603767	2951.364160934337	2779.354843595813	2768.959617496974	2739.07450136781	40.3943038590949	40.2804698280486	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatThKgr.f	SatThBoth.f
716	155417	101618.85867307335	894697.3170250766	39.33153281516068	-100.4403645	757857.8482230251	4354557.299424823	2725.679730776464	26.16545523467824	2544.2038447612576	2544.564799244433	72.312467871	71.99872423239058	
718	155418	10278.85867307335	894697.3170250766	39.33152656649863	-100.4380324	76068.8476517162	4354553.32644393	2723.30372294322	26.15137294322	2539.245470071053	2538.973196783073	76.07663727986535	76.34976706353109	
719	155419	10298.85867307335	894697.3170250766	39.33151865272635	-100.4357022	76569.8469725037	4354553.35834114	2721.713854743689	26.14298150268465	2533.871471473677	2533.38656618521	80.2237232976963	80.761627474569	
720	155420	103598.85867307335	894697.3170250766	39.33151180339869	-100.4333681	76640.8461692106	4354545.30642595	2720.912126180306	26.126784817928595	2530.420003588493	2529.861520017566	82.4564782	83.01495577528294	
721	155421	104258.85867307335	894697.3170250766	39.33150471010095	-100.4313039	76661.8452470153	4354541.40575744	2720.136387170035	26.11665695757884	2529.950115647013	2529.568083064564	81.70639411043787	82.10998282132855	
722	155422	104918.85867307335	894697.3170250766	39.33149757121427	-100.4287038	76682.8462075821	4354537.45433435	2719.302669530173	26.10436892124506	2529.8356684855953	2529.65279890412	80.6032364	80.78593234309369	
723	155423	10558.85867307335	894697.3170250766	39.3314933727891	-100.4263716	77063.843048965525	4354537.62232796	2717.700562471964	26.098233951783063	2528.992739294734	2528.83633663987	80.2312148832922	80.3909984166439	
724	155424	106238.85867307335	894697.3170250766	39.33148316	-100.4240395	77264.8417739312	4354529.49189818	2715.300077171924	26.0801510025397	2526.778035051196	2526.64706258417	81.242429674	81.36803765989005	
725	155425	106898.85867307335	894697.3170250766	39.331478242622	-100.4217074	77655.8460386102	4354525.19347304	2714.899582711621	26.06815853146937	2525.6885146937	2525.578314674759	81.2480719407169	81.29608207841275	
726	155426	107558.85867307335	894697.3170250766	39.3314685518094	-100.4193572	77666.8389890726	4354521.57696282	2710.4910867114454	26.05516196111725	2519.963489824474	2519.855112492785	85.655112492785	85.6139592539372	
727	155427	108218.85867307335	894697.3170250766	39.3314612051011	-100.4170431	77867.8372411991	4354517.52732273	2707.6983059334827	26.04426665958384	2516.687233244272	2516.617143523032	87.371431455687	87.80751330880876	
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729	155429	109538.85867307335	894697.3170250766	39.3314463376539	-100.4123788	78269.8383364356	4354509.63390448	2701.296064181973	26.02292780376767	2511.177042288397	2511.10370785007	90.92390725266978	90.92390725266978	
730	155430	110198.85867307335	894697.3170250766	39.33143884	-100.4100646	78470.8316572347	4354506.30330348	2698.094304306217	26.008734074043093	2508.626230408752	2508.36446858789	92.201102955756	92.4668934552019	
731	155431	110858.85867307335	894697.3170250766	39.33142124045444	-100.4077145	78671.8296264707	4354501.89230701	2696.571827999017	26.00253202939407	2506.368095030206	2506.346777396833	93.2551123131013	93.67642499749363	
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733	155433	112178.85867307335	894697.3170250766	39.3314160283144	-100.4030052	79073.8250512703	4354493.75486742	2696.881608472026	25.991204865302	2501.723718890197	2501.810526440793	95.48632966510408	95.8269600122255	
734	155434	112838.85867307335	894697.3170250766	39.3314073078144	-100.4007181	79274.8225827709	4354489.78136275	2697.0368472094	25.9610183604993	2500.179769778368	2499.86022001187	95.81479625915631	96.161493083093	
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736	155436	114158.85867307335	894697.3170250766	39.3313928696026	-100.3960358	79676.81735134276	4354481.84168717	2697.014737328263	25.933874201819785	2499.073836633012	2498.477277088566	95.40543821867723	95.96469232318	
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1	15541	170941.141	895357.3170250766	39.2676457	-102.1101538	321903.27533746226	35865.631923271367	3742.147098997568	37.82147098997568	3731.373213279238	3731.373213279238	50.77149625027614	50.77149625027614	
2	15542	170281.141	895357.3170250766	39.267896179223	-102.107822	321014.4122894043	35865.6482051873	3780.179109059626	37.79179109059626	3721.39081828507	3724.031175234373	59.38491807862465	56.74815025896275	
3	15543	170621.141	895357.3170250766	39.2681511175389	-102.1054902	32305.5489756028	35864.7644	3862.825745119195	37.814181962385	3719.728910388218	3719.728910388218	57.5667838494724	57.5667838494724	
4	15544	170961.141	895357.3170250766	39.26840316678116	-102.103184	32306.6829526152	35864.709612908	3869.4741233352	37.81420227127867	3717.3295040453276	3717.3295040453276	59.03721043769747	59.03721043769747	
5	15545	171241.141	895357.3170250766	39.2686547685478	-102.100848	32307.6215618755	35864.7636448424	3866.126573961696	37.78162657867725	3716.144388687725	3716.144388687725	67.619205428745	67.619205428745	
6	15546	171581.141	895357.3170250766	39.2689154138047	-102.098154	32308.2915941781	35864.7327956753	3872.372967492	37.75530041770725	3713.314327720783	3713.314327720783	82.825878404411	82.825878404411	
7	15547	171961.141	895357.3170250766	39.269156122539	-102.096131	32310.10903705435	35864.7621698479	3949.4285760156298	37.732794671661	3708.323217994166	3709.68500289028	95.640118774462	95.640118774462	
8	15548	172361.141	895357.3170250766	39.2694068599921	-102.093813	32311.228476067	35864.7624151	3946.0634954044	37.725326949331	3705.216814798445	3706.448928392906	67.3364549046857	67.3364549046857	
9	15549	172761.141	895357.3170250766	39.2696566735344	-102.0914995	32312.36325365057	35864.76204	3942.741859954257	37.7177450120544	3702.159806821225	3703.1457452406626	69.0719383	69.0719383	
10	15550	173061.141	895357.3170250766	39.2699060043367	-102.0891677	32313.4983553837	35864.762041510916	3976.7976931510916	37.7002361751596	3700.72061671596	3700.72061671596	70.956184735381	70.956184735381	
11	15551	173461.141	895357.3170250766	39.2701540094025	-102.086839	32314.6323202169	35864.762041510916	3986.346387443268	37.68420965804237	3698.951671855544	3699.72285199834	69.9152471336927	69.9152471336927	
12	15552	173861.141	895357.3170250766	39.2704034716926	-102.084504	32315.76726755	35864.762041510916	3997.700324391326	37.67100324391326	3697.819419551	3698.719419551	71.619205428745	71.619205428745	
13	15553	174261.141	895357.3170250766	39.2706513430172	-102.082172	32316.910626801	35864.762041510916	4013.616269491185	37.6536538696143	3699.616409602784	3699.616409602784	83.98719031906727	83.98719031906727	
14	15554	174661.141	895357.3170250766	39.2708988485555	-102.0798404	32318.0350433654	35864.762041510916	4028.35022054434	37.6426041026904	3698.829584367018	3699.652167260955	85.610290200205	85.610290200205	
15	15555	175061.141	895357.3170250766	39.271145835741	-102.0775806	32319.1685565137	35864.762041510916	4035.825818912837	37.62869052541381	3698.715257851445	3699.886585662107	64.15379499	64.15379499	
16	15556	175461.141	895357.3170250766	39.271396282821	-102.0751768	32320.3018066212	35864.762041510916	4042.344305604884	37.61467414281965	3698.623938932642	3699.627529433965	63.1274572870523	63.1274572870523	
17	15557	175861.141	895357.3170250766	39.2716382260926	-102.072845	32321.4347902082	35864.762041510916	4051.06311889414	37.60507684062197	3698.3758861182634	3699.640623223627	62.3217971918634	62.3217971918634	
18	15558	176261.141	895357.3170250766	39.2718846665718	-102.0705132	32322.5657188734	35864.762041510916	4060.6757920984	37.59613719505514	3698.30219910921	3699.640623223627	60.2459678281114	60.2459678281114	
19	15559	176661.141	895357.3170250766	39.272134043365	-102.068264	32323.7347171434	35864.762041510916	4070.37639174134	37.587276917434	3698.219816842535	3699.640623223627	59.180490939893	59.180490939893	
20	15560	177061.141	895357.3170250766	39.2723740733005	-102.065946	32324.78321818052	35864.762041510916	4079.5457979236	37.57857616482867	3698.3746116482867	3699.640623223627	58.0735194041055	58.0735194041055	
21	15561	177461.141	895357.3170250766	39.272619090905	-102.0635177	32325.9641190127	35864.762041510916	4088.731301646	37.56942321492883	3698.34123566068	3699.650785640406	57.030858882025	57.030858882025	
22	15562	177861.141	895357.3170250766	39.27286385149	-102.0611859	32327.1079595101	35864.							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtBothKgs.ft	SatHtBoth.ft
100	157	15543	-30821.1413	895357.3170250766	39.2911266	-101.8723036	252417.9110714408	3752323.49420306	3765.223373369882	3612.4568127086022	351.18956339754532	3509.067319213425	101.5611787317044	103.38943490417725
104	157	15544	-30261.1413	895357.3170250766	39.2913336201265	-101.8699177	252619.0217602595	3753720.401794355	3610.555439343879	3507.2091207320644	3507.5010303629674	3503.14651183243	103.2053623811621	
105	157	15545	-30201.1413	895357.3170250766	39.2914781919834	-101.8676397	252826.79146570837	3753720.401794355	3608.768697702582	3508.768697702582	3508.768697702582	3508.768697702582	103.2053623811621	99.96640434882253
106	157	15546	-30164.1413	895357.3170250766	39.2917462878509	-101.8653078	253021.24305105605	3753202.217027918	3753.077004462944	3606.8023589404766	3505.530400288002	3509.550083590206	103.2629529524754	97.25230190045053
107	157	15547	-30098.1413	895357.3170250766	39.29195194604824	-101.8629759	253222.36323191002	3752718.12682922	3749.6705756796042	3604.833002	3501.415268621768	3509.18734343502	103.27173182645185	95.74360273063774
108	157	15548	-30032.1413	895357.3170250766	39.2921571538973	-101.8606439	253423.46314859737	3752718.12682922	3748.6314151094296	3603.054004802226	3499.1693125407273	3507.22400346113	103.88469227949872	95.8300135891098
109	157	15549	-29966.1413	895357.3170250766	39.29236191192006	-101.858312	253624.0758231321	3752718.12682922	3746.604023451497	3601.483407193223	3496.942758686073	3504.898934893112	104.20585203243936	96.15839176621012
110	157	15550	-29901.1413	895357.3170250766	39.29256621826204	-101.85598	253825.6827029027	3752705.825491345	3741.287317448907	3599.190847645844	3494.6769321095844	3502.71793520132	104.51913553625945	96.47770543432754
111	157	15551	-29834.1413	895357.3170250766	39.29277076748129	-101.8536481	254026.79146570837	3752701.761694718	3738.818071	3598.573091576373	3492.452697414487	3500.556925138985	104.67769551031834	96.963111038
112	157	15552	-29761.1413	895357.3170250766	39.292976117181	-101.8513161	254227.9004177818	375197.671036128	3736.500340470226	3595.05113843904	3490.455423245453	3492.799001818556	104.6036900143512	96.7036316121481
113	157	15553	-29702.1413	895357.3170250766	39.2931764366455	-101.8489842	254429.0902671654	375193.580537542	3734.487934817121	3592.9148001069353	3488.5043603412628	3490.90122135183	104.60119236755228	
114	157	15554	-29636.1413	895357.3170250766	39.2933789419345	-101.8466522	254630.1175927164	375189.490306949	3732.228651213562	3590.52258750951	3486.526675332433	3488.80029834217	104.225833732677	101.9519589073141
115	157	15555	-29570.1413	895357.3170250766	39.2935809967967	-101.8444203	254831.22581597013	375185.400236341	3729.915071212625	3588.58584137776	3484.496397602442	3485.987349309778	104.0844337532407	102.5984519366828
116	157	15556	-29504.1413	895357.3170250766	39.29378260123605	-101.841983	255032.337967332	375181.130176175	3727.266446009946	3586.423142427748	3482.140580238329	3482.5543591997045	104.2825440094187	101.6737694804036
117	157	15557	-29438.1413	895357.3170250766	39.2939837553518	-101.8396564	255233.4615313614	375177.220881029	3726.61718982635	3584.267765136516	3479.784848819574	3482.4965254251833	104.0791769407147	101.711325946835
118	157	15558	-29372.1413	895357.3170250766	39.2941844589433	-101.837244	255434.54913145193	375174.131198339	3721.96783496473	3582.123024890326	3477.340718657714	3481.1327896389794	104.7893538211614	101.885128505321
119	157	15559	-29306.1413	895357.3170250766	39.29438471211109	-101.834925	255635.6583966233	375169.04119111	3719.754089	3577.9839703320485	3474.564572041619	3481.163584037791	104.8109629032431	98.8203861427388
120	157	15560	-29240.1413	895357.3170250766	39.2945851485394	-101.832605	255836.7633957205	375165.45282035	3717.975647969073	3571.6774535496565	3465.4724417916	3476.1763514312648	104.9612944774184	
121	157	15561	-29174.1413	895357.3170250766	39.29478366717104	-101.8303285	256037.8701697838	375160.368326003	3716.1927095446	3575.7294736680715	3468.512163210929	3478.47416667587	104.9721044994249	94.98205969328173
122	157	15562	-29108.1413	895357.3170250766	39.2949837698463	-101.8279966	256238.9766997707	375156.775227105	3714.618781122213	3573.60995542760187	3464.914772876384	3478.9783216150629	104.8609471550629	94.6136297735065
123	157	15563	-29041.1413	895357.3170250766	39.29518112205312	-101.8256646	256440.8298853414	375152.68672414	3713.5569403201033	3571.4945797181133	3460.8899631842	3475.2071043097614	104.76061659828064	96.22447501616892
124	157	15564	-28976.1413	895357.3170250766	39.29537821571716	-101.8233327	256641.18935850004	375148.58417098	3713.611679714213	3569.3827102108285	3458.013027108285	3465.028516899973	111.3691725144307	98.55308272727155
125	157	15565	-28911.1413	895357.3170250766	39.2955707271858	-101.8210678	256842.9602305693	375144.3032619495	3713.4433103868319	3567.84456898319	3456.2715515312637	3462.494857210312	111.767961343207	111.40195174060472
126	157	15566	-28844.1413	895357.3170250766	39.29577387237296	-101.8186687	257034.4001405968	375137.442290754	3713.711590740264	3565.161335378843	3448.527785939482	3462.885691977906	116.6334504392313	107.127464013007
127	157	15567	-28778.1413	895357.3170250766	39.2959705221331	-101.8163368	257244.50573714796	375134.3647142	3713.894708858647	3563.050471120754	3443.6304159634467	3460.683883236197	119.4200614963476	102.3665887658187
128	157	15568	-28712.1413	895357.3170250766	39.296167214657	-101.8140048	257445.61082634013	375132.3247148026	3714.187059287494	3560.83870499968	3439.386210403824	3459.362547	121.5523604565557	101.576024196340516
129	157	15569	-28646.1413	895357.3170250766	39.2963624703999	-101.8116728	257646.7156702809	375128.159820491	3714.4784177700046	3558.76047076576	3435.365246482419	3458.315089092071	121.4563394157018	101.6111338450516
130	157	15570	-28580.1413	895357.3170250766	39.2965677688461	-101.8093408	257847.8207727293	375124.02888842	3714.7171767101137	3556.7150982719472	3431.4983633032036	3456.9082707211063	125.2287329417436	99.8068205484093
131	157	15571	-28514.1413	895357.3170250766	39.2967755816832	-101.8070868	258048.9644424515	375120.18753565	3714.8456316869891	3554.603166689091	3429.747688177106	3454.74688177106	126.1525682298813	99.8068205484093
132	157	15572	-28448.1413	895357.3170250766	39.29697014513318	-101.8046789	258249.7014513318	375117.691373308	3714.95167183515	3553.429167007337	3428.59167183515	3453.789012516342	126.789012516342	99.8068205484093
133	157	15573	-28382.1413	895357.3170250766	39.2971409617002	-101.8023438	258451.1327	375117.812469105	3720.550763170293	3550.357575	3421.9182170806426	3454.255386404785	129.675326304172	105.1038327438136
134	157	15574	-28316.1413	895357.3170250766	39.2973344584589	-101.800013	258623.2632128808	375116.72120905	3720.550763170293	3548.2650343414024	3419.948353414024	3440.577173221083	128.1353034089837	107.504797241925
135	157	15575	-28250.1413	895357.3170250766	39.297525047876	-101.79781	258853.38972471984	375113.03698653	3718.19811831955	3546.1520253826784	3420.55604194913	3437.761521423835	125.5995834260758	108.3905039493495
136	157	15576	-28184.1413	895357.3170250766	39.2977201006858	-101.795349	259054.4289814455	375109.50512041	3717.698611501765	3544.0459354886425	3422.452812760287	3435.36516162894	121.5911732840375	108.6784192023483
137	157	15577	-28118.1413	895357.3170250766	39.29791224612585	-101.793017	259255.5458335845	375106.48251356	3717.734715117654	3541.945819021997	3424.3256652581167	3431.607744306844	117.6163539617947	110.3380745895825
138	157	15578	-28052.1413	895357.3170250766	39.298103411185	-101.79065	259456.5485305693	375102.382619495	3717.84456898319	3539.8535753436984	3420.08592215213	3425.767961343207	117.6163539617947	110.3380745895825
139	157	15579	-27986.1413	895357.3170250766	39.2982951857927	-101.788351	259657.7059899277	375107.297134025	3717.937558581865	3537.771388672918	3420.39983584619	3425.43098797481	117.6163539617947	110.3380745895825
140	157	15580	-27920.1413	895357.3170250766	39.2984849799646	-101.7860211	259858.8531190226	375103.21142218	3717.937558581865	3535.700667103138	3426.279194156451	3411.207782960017	109.4214775386276	124.45298491431207
141	157	15581	-27854.1413	895357.3170250766	39.2986763237045	-101.7836891	260059.9551962243	375109.7127	3722.2454718332215	3533.641962775296	3426.2624215012615	3407.375414754965	107.375414754965	126.2654392225731
142	157	15582	-27788.1413	895357.3170250766	39.29886621701114	-101.7813571	260261.056843851	375107.054239152	3716.485413489149	3531.5962507216404	3426.158166005715	3406.9791051437194	105.4453412106896	124.6127233
143	157	15583	-27722.1413	895357.3170250766	39.2990557	-101.7790251	260462.158453175878	375105.97979508	3714.76897178105	3529.56748	3427.0385988904257	3419.7130395427	102.5261676887422	118.7862173387807
144	157	15584	-27656.1413	895357.3170250766	39.2992445622522	-101.776931	260683.2957272603	375106.737193202	3717.096129193202	3527.54843780808	3420.39959074077	3417.20253039327	104.3813817625743	110.3380745895825
145	157	15585	-27590.1413	895357.3170250766	39.29943458672383	-101.774805	260884.9644424515	375102.382619495	3717.84456898319	3525.8535753436984	3420.08592215213	3425.767961343207	117.6163539617947	110.3380745895825
146	157	15586	-27524.1413	895357.3170250766	39.29962212859305	-101.7720291	261083.46156473072	375107.297134025	3717.937558581865	3523.56433423996	3417.6713546334	3417.6713546334	117.6163539617947	110.3380745895825
147	157	15587	-27458.1413	895357.3170250766	39.29980892704164</									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SurfKLogKrg.ft	SurfKBoth.ft
229	157	15669	-220461.1413	895357.3170250766	39.33136626393082	-101.57847	277756.0246587166	43567.20415064514	3591.665636228215	3146.091245687836	3325.634312455019	3324.80406692316757	90.45893211376465	91.2503733710793
230	157	15670	-219801.1413	895357.3170250766	39.33138128932144	-101.5761379	277957.10626099156	43566.7147484528	3591.428748819332	3327.03698921296437	3326.7063004041833	88.18663677050245	88.51840504163377	
231	157	15671	-219181.1413	895357.3170250766	39.33136265966589	-101.5736813	278158.1876867076	43567.1228	3592.236914568692	3314.25249384981884	3329.7862089348817	84.584715049156645	84.584715049156645	
232	15672	-218481.1413	895357.3170250766	39.331411020496155	-101.5714737	278359.2689226434	43567.067213	3588.336859154434	3313.470634399251	3334.4202206422624	3334.06135554663846	78.6506285098646	78.6506285098646	
233	15673	-217821.1413	895357.3170250766	39.33142605621623	-101.5691417	278560.3499502474	43567.04145915424	3586.3332803391957	3312.582256250331	3340.6730031809183	3341.5170000512616	71.91222445114818	71.06525069012496	
234	15674	-217161.1413	895357.3170250766	39.33144090442206	-101.5668066	278761.43075718486	43567.0190715982	3584.3284274867454	3311.6853527246037	3348.175047455282	3350.09191042013	61.53209520379385	61.6754423289448	
235	15675	-216501.1413	895357.3170250766	39.33145574058161	-101.5644775	278962.5113442346	43566.96102511656	3582.6717420551946	3310.76820054507166	3338.117743851382	3340.76820054507166	3338.117743851382	3338.117743851382	
236	15676	-215841.1413	895357.3170250766	39.331470495694845	-101.5621454	279163.59173114115	43566.9461024334	3579.3271792551743	3309.8540513921116	3328.8151640148567	3327.166291263254	80.0388773725492	82.68776012885746	
237	15677	-215181.1413	895357.3170250766	39.331485205167179	-101.5598133	279364.57134543027	43566.878988323	3577.236914568692	3308.914562771154	3318.477861989836	3319.477861989836	84.4258473375993	84.4258473375993	
238	15678	-214521.1413	895357.3170250766	39.331499677072335	-101.5574812	279565.7179803493	43566.8154	3574.1041112607407	3307.95597512076	3313.6002802977323	3313.654548014964	92.3556948273433	92.3556948273433	
239	15679	-213861.1413	895357.3170250766	39.33151440756055	-101.5551491	279766.8511572396	43566.7948043366	3573.107180973682	3306.9578485103913	3313.931021209705274	3314.1275054575	73.62286733396385	73.62286733396385	
240	15680	-213201.1413	895357.3170250766	39.33152906568436	-101.552817	279967.91101544315	43566.761824165	3572.15423654481727	3305.972465487127	3313.351788000434	3313.80657931072	92.625055486912	92.625055486912	
241	15681	-212541.1413	895357.3170250766	39.331543556565726	-101.550485	280168.990283699	43566.716826735	3571.20126036752	3304.824589342491	3313.0899157307026	3313.743613910923	91.85294361	91.19924543156776	
242	15682	-211881.1413	895357.3170250766	39.33155808400061	-101.5481529	280370.0936545126	43566.6715744018	3570.248305667064	3303.8853460526693	3311.1080090908077	3311.7433267265024	92.7713115186162	92.17101078	
243	15683	-211221.1413	895357.3170250766	39.33157250196008	-101.5458208	280571.1482143117	43566.6248670037	3568.361304219409	3307.916596539196	3308.311629043044	3308.311629043044	94.88410410260287	94.88410410260287	
244	15684	-210561.1413	895357.3170250766	39.331586914930895	-101.5434887	280772.2268478505	43566.5914811748	3565.540252095161	3306.477555300234	3305.2316338350164	3305.356258434487	86.44501676521759	86.44501676521759	
245	15685	-209901.1413	895357.3170250766	39.3316012643334	-101.5411566	280973.3053653289	43566.5512967138	3562.719210769829	3304.02898661851	3303.276594488626	3303.18398520103	97.24630236302528	97.24630236302528	
246	15686	-209241.1413	895357.3170250766	39.33161556928209	-101.5388245	281174.3836732204	43566.5319673726	3560.895150543383	3309.3319806438736	3302.5400596352116	3302.49312090965299	96.8924125706908	96.8924125706908	
247	15687	-208581.1413	895357.3170250766	39.3316288288842	-101.5364924	281375.4615530947	43566.4722847118	3556.49645427044	3308.102976660679	3303.6008702030053	3303.628299882774	94.50210664573656	94.50210664573656	
248	15688	-207921.1413	895357.3170250766	39.331644043439745	-101.5341603	281576.5393	43566.414560533	3554.6614517319256	3305.6716049409533	3305.6716049409533	3306.6289144677344	91.1306803972284	90.2062891244757	
249	15689	-207261.1413	895357.3170250766	39.33165821249859	-101.5318822	281777.618679204	43566.3910032157	3548.531879211474	3305.52742241383	3305.52742241383	3305.52742241383	90.4094967424627	90.4094967424627	
250	15690	-206601.1413	895357.3170250766	39.33167233741048	-101.5294861	281978.6942196529	43566.365307	3544.59671020963	3304.73967207033	3304.104452363229	3304.104452363229	84.68848428169163	84.68848428169163	
251	15691	-205941.1413	895357.3170250766	39.3316863495574	-101.527154	282179.7134543027	43566.339370218	3540.903453480182	3303.54373580182	3303.54373580182	3303.54373580182	72.6284514777677	72.6284514777677	
252	15692	-205281.1413	895357.3170250766	39.33170045119487	-101.5248319	282380.4842563608	43566.31008733	3537.5769225150034	3303.314342837843	3303.2426114057048	3303.7147071716987	70.0682387136265	70.0682387136265	
253	15693	-204621.1413	895357.3170250766	39.3317144051684	-101.5224988	282581.925	43566.2818688233	3534.2554259509184	3309.807580746325	3302.767269703652	3302.767269703652	76.02048851173906	76.02048851173906	
254	15694	-203961.1413	895357.3170250766	39.33172834791236	-101.5201677	282783.0143515955	43566.174809709	3530.934263033668	3308.232897412996	3303.1975919121503	3303.1432579440396	76.2569872024567	76.2569872024567	
255	15695	-203301.1413	895357.3170250766	39.33174228402048	-101.5178356	282984.0770403125	43566.151386148	3528.137949666326	3306.6057200108576	3303.1298187343065	3303.1298187343065	73.30753238	73.30753238	
256	15696	-202641.1413	895357.3170250766	39.33175613820202	-101.5155035	283135.1587738193	43566.1068877459	3528.8650640489634	3304.9201415041985	3303.378906052145	3303.174973734348	73.7025098989396	73.7025098989396	
257	15697	-201981.1413	895357.3170250766	39.33176994723967	-101.5131714	283386.2296	43566.0718336	3526.7316	3303.17383969848153	3303.17383969848153	3303.17383969848153	72.6284514777677	72.6284514777677	
258	15698	-201321.1413	895357.3170250766	39.3317837872359	-101.5108392	283602.5302777594	43566.033445201	3523.9191030138	3301.361418994112	3302.3710108383372	3302.3710108383372	70.0682387136265	70.0682387136265	
259	15699	-200661.1413	895357.3170250766	39.3317973046528	-101.5085071	283788.380624176	43566.05472521435	3527.187623840033	3309.461428709682	3305.05400920113	3305.9678250872375	74.4421950790024	73.51360362	
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261	15701	-199341.1413	895357.3170250766	39.33182473406611	-101.5038429	284190.5306330894	43566.894258685	3523.2017604780974	3305.5718635125585	3309.517049348288	3303.730308603797	76.00081816425974	74.8444265217881	
262	15702	-198681.1413	895357.3170250766	39.33183831730603	-101.5015108	284391.60569513	43566.8628791968	3521.217956	3307.3742140717165	3309.271997166081	3309.271997166081	75.4925275461878	75.4925275461878	
263	15703	-198021.1413	895357.3170250766	39.331851866158934	-101.4991787	284592.6801736026	43566.822675592	3518.4445243809503	3307.294674374867	3308.4748630120646	3308.4748630120646	76.61981136260247	76.61981136260247	
264	15704	-197361.1413	895357.3170250766	39.3318653495574	-101.496812	284793.75456532	43566.7916	3516.7316	3306.477081196381	3307.25302578723	3307.25302578723	76.3404351950357	76.3404351950357	
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267	15707	-195381.1413	895357.3170250766	39.33191055109979	-101.4898502	285396.937107226	43566.6598418139	3512.459194702947	3302.911183237826	3308.3482519227073	3308.3482519227073	76.4828664	77.14028409	
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269	15709	-194061.1413	895357.3170250766	39.331932143287396	-101.485186	285799.1231106154	43566.58046036555	3508.130427470624	3307.331729045165	3307.331729045165	3307.331729045165	76.20939109	76.20939109	
270	15710	-193401.1413	895357.3170250766	39.33194536810416	-101.482838	286000.1961941136	43566.5534023369	3506.49670997447	3305.4670997447	3306.49670997447	3306.49670997447	76.79306187	76.79306187	
271	15711	-192741.1413	895357.3170250766	39.3319593170250766	-101.480529	286207.70118907183	43566.5239121927	3504.96814119689	3304.96814119689	3305.4670997447	3305.4670997447	76.20939109	76.20939109	
272	15712	-192081.1413	895357.3170250766	39.3319716787147	-101.4781897	286402.3417	43566.4568238138	3502.4176847712515	3302.4176847712515	3304.730868544164	3304.730868544164	76.02048851173906	76.02048851173906	
273	15713	-191421.1413	895357.3170250766	39.331984767095996	-101.475875	286603.4141817269	43566.4162058276	3500.488278	3304.156213781856	3307.942481755293	3308.05978963219	80.218302656286	80.09642471863708	
274	15714	-190761.1413	895357.3170250766	39.33199781042998	-101.4735254	286804.4864233766	43566.375052263	3498.7588712100684	3					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgs.f	BRfElevKgs.f	SurfToKgs.f	SatToKgs.f
35	157	11795	-137301.1413	895357.3170250766	39.32920471627642	-101.2846211	30090.65941882797	4356209.434304132	3343.893532378478	32.26.096997150384	3383.3132099551275	3206.212911375481	47.5648576	19.8567813395573
356	157	11796	-136641.1413	895357.3170250766	39.3291406555498	-101.2822289	303291.715130278	4356205.391252921	3344.0813919896295	32.26.73323213914	3181.710234575818	3202.859362583363	42.0161035457337	20.8664019630507
357	157	11797	-135981.1413	895357.3170250766	39.3292336994464	-101.278813	304892.7707	4356201.348	3344.265788130545	32.26.74589457347	3180.017115284233	3202.859362583363	41.35070753787371	21.89243187832256
358	157	11798	-135231.1413	895357.3170250766	39.329326292654896	-101.2772636	303683.8259825084	435617.305733036	3344.547109411932	32.28.962331519895	3178.059114	3196.2983017851185	40.9362014025949	22.6936013662870972
359	157	11799	-134661.1413	895357.3170250766	39.3294184349618	-101.2752924	30384.8811181984	4356183.26324347	3343.1129960142586	32.26.5996430786935	3176.1595956433825	3192.845045928278	40.240247435310994	23.659781850415362
360	157	11800	-134001.1413	895357.3170250766	39.3296101267386	-101.2729602	304095.9361	4356189.20898919	3340.2369015077562	32.26.181828780605	3174.903772802988	3190.699687740281	39.48440117507248	23.488314105215262
361	157	11801	-133341.1413	895357.3170250766	39.3296014	-101.270628	304266.99081251014	4356185.178909437	3337.360820001266	32.21.755389	3173.0436616510387	3187.35231209425	38.7172771248103	24.3821382143944
362	157	11802	-132681.1413	895357.3170250766	39.3296991589528	-101.2682958	304486.045715422	4356181.137	3334.484723494796	32.09.3015281045355	3170.86917863368	3184.033429381283	38.423249722819876	25.24780889724947
363	157	11803	-132021.1413	895357.3170250766	39.3297949930755	-101.2659366	304699.9997387623	4356170.2633103	3341.265788130545	32.26.74589457347	3180.017115284233	3202.859362583363	41.35070753787371	21.89243187832256
364	157	11804	-131361.1413	895357.3170250766	39.3297823891552	-101.2636315	304901.15391437614	4356170.2633103	3332.776748009738	32.04.523043835037	3176.51124529229	3178.605013670785	37.61890772127187	25.7223267127187
365	157	11805	-130701.1413	895357.3170250766	39.329696182851815	-101.2612993	30501.10703985943	4356169.012529273	3340.6019884008	32.01.809157605782	3163.8898314399335	3175.469157	37.93932616584284	26.34000333341946
366	157	11806	-130041.1413	895357.3170250766	39.33005057138904	-101.2589671	305302.2661916166	4356164.971	3325.421602880245	3199.2684085973224	3161.7047558434165	3172.31977750759	37.56395275	26.94730404655455
367	157	11807	-129381.1413	895357.3170250766	39.33013935574	-101.2566349	305303.315296348	4356160.931	3322.97447231516	3199.7468526260456	3159.7488526260456	3169.9697937481	36.9598897984911	27.56559323841384
368	157	11808	-128721.1413	895357.3170250766	39.330227436531	-101.2543027	305704.3687049673	4356156.8897245	3320.258518944267	3194.118456335873	3157.704011129293	3165.952727009943	36.4110552043602	28.1661793289309
369	157	11809	-128061.1413	895357.3170250766	39.3303150810482	-101.2519708	305985.421925671	4356152.84952489	3317.545216557329	3191.5059194124096	3155.7708345223027	3162.936804243684	35.73508499108282	28.56937369044206
370	157	11810	-127401.1413	895357.3170250766	39.3304022679464	-101.2496383	306106.47485596328	4356148.809821513	3314.827581220242	3188.86112002917	3153.9150781473477	3159.90446267815	34.9510418825937	28.95862763103547
371	157	11811	-126741.1413	895357.3170250766	39.3304904035344	-101.2473061	306307.5277599094	4356144.769	3313.050987225571	3188.1981037111385	3151.8818631478758	3156.10401833283	34.21624056356677	29.4697063527811206
372	157	11812	-126081.1413	895357.3170250766	39.3305752902669	-101.244974	306508.58044815516	4356137.8380696	3312.341564573304	3183.50303906053	3150.05890203423	3153.61371279067	34.4581219264228	29.8907111169781
373	157	11813	-125421.1413	895357.3170250766	39.3306611256873	-101.2426418	306709.6329066514	4356136.689057825	3311.5884319210383	3186.18763717693	3147.513714	3150.5385712722823	33.268196722939	30.2433050305498
374	157	11814	-124761.1413	895357.3170250766	39.3307461056676	-101.2403096	306910.6827735735	4356133.792968772	3310.83729268772	3182.0347755993	3144.446931069726	3147.45110224284	33.0812453116905	31.052453116905
375	157	11815	-124101.1413	895357.3170250766	39.330830314	-101.2379774	30711.373988347	4356128.61	3309.204770748637	3175.25694649596	3140.97244607599	3143.964913139557	32.3825003360165	31.29078105989816
376	157	11816	-123441.1413	895357.3170250766	39.3309159207775	-101.2356452	30713.7892512254	4356125.7099447	3306.691846488714	3172.451673519217	3137.056256431735	3140.97244607599	32.3825003360165	31.29078105989816
377	157	11817	-122781.1413	895357.3170250766	39.3310019279755	-101.233333	30717.4692921494	4356122.624361	3304.8890777221	3151.1535675996867	3132.729875	3138.930171232565	32.3825003360165	31.29078105989816
378	157	11818	-122121.1413	895357.3170250766	39.3310330544229	-101.230908	30714.8925	4356116.493	3301.65597036143	3166.7599334668	3129.791427650033	3133.3841302879	36.9653168434554	33.7582103
379	157	11819	-121461.1413	895357.3170250766	39.3311667	-101.2286486	30715.8794551173	4356112.45451395	3301.67701123251	3163.78483106107	3126.2319530025593	3129.923037217864	37.968303403517	33.9554588814664
380	157	11820	-120801.1413	895357.3170250766	39.3312493596407	-101.2263164	30718.9649333467	4356110.41258382	3302.39411733047	3160.749909563604	3122.793924579882	3126.478879171031	38.1810627647835	34.496119
381	157	11821	-120141.1413	895357.3170250766	39.3313315913074	-101.2239842	30818.0184583039	4356107.1163903565	3303.71143458985	3158.05267038311	3119.148712	3120.878727356864	38.9039585947129	35.1370998167205
382	157	11822	-119481.1413	895357.3170250766	39.3314133727297	-101.221652	30819.096644009	4356110.4054324	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
383	157	11823	-118821.1413	895357.3170250766	39.3314947029766	-101.2193186	308170.421918016	4356106.9242516	3304.8890777221	3151.1535675996867	3132.729875	3138.930171232565	32.3825003360165	31.29078105989816
384	157	11824	-118161.1413	895357.3170250766	39.3315755737825	-101.2169878	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
385	157	11825	-117501.1413	895357.3170250766	39.3316560122247	-101.2146554	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
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387	157	11827	-116181.1413	895357.3170250766	39.3318155	-101.2099911	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
388	157	11828	-115521.1413	895357.3170250766	39.3318945977105	-101.2076589	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
389	157	11829	-114861.1413	895357.3170250766	39.3319772225143	-101.2053267	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
390	157	11830	-114201.1413	895357.3170250766	39.3320510222716	-101.2030945	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
391	157	11831	-113541.1413	895357.3170250766	39.33212912873314	-101.2006623	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
392	157	11832	-112881.1413	895357.3170250766	39.332206447479	-101.1983301	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
393	157	11833	-112221.1413	895357.3170250766	39.3322832026646	-101.1959579	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
394	157	11834	-111561.1413	895357.3170250766	39.3323596052882	-101.1936567	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
395	157	11835	-110901.1413	895357.3170250766	39.3324352981315	-101.1913335	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
396	157	11836	-110241.1413	895357.3170250766	39.3325103040306	-101.1890013	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
397	157	11837	-109681.1413	895357.3170250766	39.3325857819844	-101.1867278	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
398	157	11838	-108921.1413	895357.3170250766	39.3326600040756	-101.184339	30819.096644009	4356106.9242516	3305.0042145527178	3155.11476011138	3116.1766949711587	3118.886739759923	38.93806513498184	35.3283623101059
399	157	11839	-108261.1413	895357.3170250766	39.332734729415	-101.1820047	30819.096644009	4356106.9242516	3305.00					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SatHtssKgr.f	SatHtBoth.f
481	157	15921	-5411.141313	896357.3170250766	39.333727971653836	-00.90907627	32842.2262917805	4355701.536435988	3143.472157338933	2944.367951	2940.134376327159	2940.475683721027	44.233750470107	43.89226753132876
482	157	15922	-53481.141313	896357.3170250766	39.33373164473808	-00.9884304	328623.2592694384	43569597.518	3143.2989430270045	2963.5330487481704	2939.01132239392	2939.2602970467024	44.2228214477827	44.27330438006054
483	157	15923	-52821.141313	896357.3170250766	39.33373569498965	-00.9861693	328624.291739036	43569593.4894334	3143.48469897176	2962.70111193181	2937.619160467227	2937.621983983489	44.67832803696254	44.67832803696254
484	157	15924	-52161.141313	896357.3170250766	39.33373855574566	-00.983766	329025.3841038023	43569584.0170354	3142.414735555450	2981.870251906495	2938.8036396782819	2938.802321367615	45.0639511373934	44.98802115139734
485	157	15925	-51501.141313	896357.3170250766	39.33374230386699	-00.9813437	329226.3573160751	43569585.46300571	3141.883002117384	2981.040614844705	2935.346828546169	2935.686556499644	45.69432339853606	45.35405845060667
486	157	15926	-50841.141313	896357.3170250766	39.33374586566866	-00.9791015	329427.3896519104	43569581.54130099	3141.312648610717	2980.213467	2934.152105745451	2934.352039298737	45.63161744024892	45.63171324949121
487	157	15927	-50181.141313	896357.3170250766	39.33374733139073	-00.9767693	329628.4218273304	43569577.427449427	3141.7493003049929	2979.389960906993	2932.784575658475	2932.784575658475	46.05139341481808	45.85260031
488	157	15928	-49251.141313	896357.3170250766	39.3337523430973	-00.974457	329829.4538345089	43569573.41	3143.077097534984	2978.517268848506	2931.978129571422	2931.903323265907	46.05139341481808	46.05139341481808
489	157	15929	-48681.141313	896357.3170250766	39.333756909865	-00.971048	330009.485	43569569.38265645	3143.4048947808662	2977.53840525255	2931.818048526525	2931.025863673866	46.34245268661355	46.34245268661355
490	157	15930	-48201.141313	896357.3170250766	39.33375407578888	-00.9697728	330221.517349771	43569573.5653415	3145.73299198749	2976.92779343545	2930.718486402028	2930.886251919856	47.23411482453	46.0553032659635
491	157	15931	-47541.141313	896357.3170250766	39.333762571266	-00.9674043	330423.5488595788	43569561.38584285	3147.909786899973	2976.155271873127	2932.28920070109	2932.38152876522	47.86601117292776	47.8617189960473
492	157	15932	-46881.141313	896357.3170250766	39.33376587794926	-00.9651081	330633.58002023364	43569567.34198241	3150.936179	2975.78292386114	2931.677893648564	2931.776683783543	48.6891355537502	48.6891355537502
493	157	15933	-46221.141313	896357.3170250766	39.3337690752194	-00.9627759	330834.6113820465	43569561.5125285	3153.96219571951223	2974.5891585602467	2931.150094136524	2931.2555908286	49.63211605961908	49.63211605961908
494	157	15934	-45561.141313	896357.3170250766	39.3337720779825	-00.9604436	331035.6423959201	43569559.30908395	3156.989849481389	2973.827254173466	2930.807150508397	2931.153695112456	49.63211605961908	49.63211605961908
495	157	15935	-44911.141313	896357.3170250766	39.33377256223845	-00.9581114	331236.6725043634	43569549.292488712	3157.575197519335	2973.0687459385745	2930.463964504296	2930.463964504296	50.043949	49.63211605961908
496	157	15936	-44211.141313	896357.3170250766	39.333773759872	-00.9557792	331487.7030297906	43569541.27704802	3158.72109118253	2972.32515346864	2927.116014130387	2927.760714156203	50.043949	49.63211605961908
497	157	15937	-43581.141313	896357.3170250766	39.333773432291	-00.9534489	331638.734409725	43569537.26124084	3158.76407496127	2971.892128066336	2927.1800690338973	2927.1800690338973	50.043949	49.63211605961908
498	157	15938	-42921.141313	896357.3170250766	39.33378428719636	-00.9511417	331839.7648014813	43569533.24569042	3159.012964097216	2970.870155058664	2927.07384928007	2927.885593127517	50.043949	49.63211605961908
499	157	15939	-42261.141313	896357.3170250766	39.3337871944191	-00.9487825	332040.7499841254	43569530.33273755	3159.4258302481326	2970.164665663064	2927.497584272851	2928.237601	50.043949	49.63211605961908
500	157	15940	-41601.141313	896357.3170250766	39.33379005691106	-00.9464502	332241.82506979104	43569525.21601128	3163.104119	2969.46602015772	2928.053272564359	2928.5691758942794	50.043949	49.63211605961908
501	157	15941	-40941.141313	896357.3170250766	39.33379287712355	-00.944118	332442.85489204254	43569521.0018153	3167.783003745876	2968.786933016842	2928.945460041104	2928.945460041104	50.043949	49.63211605961908
502	157	15942	-40281.141313	896357.3170250766	39.33379564571287	-00.9417658	332643.88469371374	43569517.16539313	3167.81610437513	2967.823814006676	2928.238740384027	2928.238740384027	50.043949	49.63211605961908
503	157	15943	-39621.141313	896357.3170250766	39.33379842980766	-00.9394134	332845.9238729104	43569513.70891394	3167.81610437513	2966.891061024352	2927.046102524352	2927.046102524352	50.043949	49.63211605961908
504	157	15944	-38961.141313	896357.3170250766	39.33380105473702	-00.9371213	333045.9326	43569509.15401684	3167.81610437513	2965.832947002108	2926.1317675507915	2926.1317675507915	50.043949	49.63211605961908
505	157	15945	-38301.141313	896357.3170250766	39.33380386191828	-00.934789	333246.9728212559	43569502.12950496	3167.81610437513	2964.205145370377	2925.380143484838	2925.380143484838	50.043949	49.63211605961908
506	157	15946	-37641.141313	896357.3170250766	39.333806263558744	-00.9324568	333448.0018718819	43569501.12816178	3167.81610437513	2963.575160115474	2924.5369017851976	2924.5369017851976	50.043949	49.63211605961908
507	157	15947	-36981.141313	896357.3170250766	39.33380880375474	-00.9301246	333649.0307602328	43569500.96563539	3167.81610437513	2962.847969193679	2923.86552303556	2923.86552303556	50.043949	49.63211605961908
508	157	15948	-36321.141313	896357.3170250766	39.33381132014416	-00.9277923	333850.0594865171	43569500.96563539	3167.81610437513	2962.093691700077	2923.093691700077	2923.093691700077	50.043949	49.63211605961908
509	157	15949	-35661.141313	896357.3170250766	39.33381362110985	-00.9254914	334059.2634871005	43569500.96563539	3167.81610437513	2961.348746309034	2922.348746309034	2922.348746309034	50.043949	49.63211605961908
510	157	15950	-35001.141313	896357.3170250766	39.33381592512495	-00.9232177	334264.1186	43569500.96563539	3167.81610437513	2960.6032729973	2921.6032729973	2921.6032729973	50.043949	49.63211605961908
511	157	15951	-34341.141313	896357.3170250766	39.33381856713459	-00.9207956	334463.14469502243	43569500.96563539	3167.81610437513	2959.857476678988	2920.857476678988	2920.857476678988	50.043949	49.63211605961908
512	157	15952	-33681.141313	896357.3170250766	39.3338208869742	-00.9184634	334654.172750924	43569500.96563539	3167.81610437513	2959.117622672997	2920.117622672997	2920.117622672997	50.043949	49.63211605961908
513	157	15953	-33021.141313	896357.3170250766	39.33382316520943	-00.9161311	334855.206994122	43569500.96563539	3167.81610437513	2958.37605844216	2919.37605844216	2919.37605844216	50.043949	49.63211605961908
514	157	15954	-32361.141313	896357.3170250766	39.3338253667065	-00.9137989	335056.2284521334	43569500.96563539	3167.81610437513	2957.6489317844673	2918.6489317844673	2918.6489317844673	50.043949	49.63211605961908
515	157	15955	-31701.141313	896357.3170250766	39.3338275639106	-00.9114867	335257.2594694745	43569500.96563539	3167.81610437513	2956.9216942312265	2917.9216942312265	2917.9216942312265	50.043949	49.63211605961908
516	157	15956	-31041.141313	896357.3170250766	39.33382972444095	-00.909144	335459.2634871005	43569500.96563539	3167.81610437513	2956.19061024352	2917.19061024352	2917.19061024352	50.043949	49.63211605961908
517	157	15957	-30381.141313	896357.3170250766	39.333831820749474	-00.9068022	335659.1370163945	43569500.96563539	3167.81610437513	2955.4622296167	2916.4622296167	2916.4622296167	50.043949	49.63211605961908
518	157	15958	-29721.141313	896357.3170250766	39.3338337200747	-00.9044699	335860.337880234	43569500.96563539	3167.81610437513	2954.72698292977	2915.72698292977	2915.72698292977	50.043949	49.63211605961908
519	157	15959	-29061.141313	896357.3170250766	39.3338357821462	-00.9021377	336061.3648379122	43569500.96563539	3167.81610437513	2954.00981211025	2915.00981211025	2915.00981211025	50.043949	49.63211605961908
520	157	15960	-28401.141313	896357.3170250766	39.33383789370965	-00.8998055	336262.391635394	43569500.96563539	3167.81610437513	2953.284764061156	2914.284764061156	2914.284764061156	50.043949	49.63211605961908
521	157	15961	-27741.141313	896357.3170250766	39.3338397547648	-00.8974732	336463.818273477	43569500.96563539	3167.81610437513	2952.562799740126	2913.562799740126	2913.562799740126	50.043949	49.63211605961908
522	157	15962	-27081.141313	896357.3170250766	39.33384162553117	-00.895141	336644.45723632	43569500.96563539	3167.81610437513	2951.8439496407	2912.8439496407	2912.8439496407	50.043949	49.63211605961908
523	157	15963	-26421.141313	896357.3170250766	39.33384350253905	-00.892815	336825.925623025	43569500.96563539	3167.81610437513	2951.1256942312265	2912.1256942312265	2912.1256942312265	50.043949	49.63211605961908
524	157	15964	-25761.141313	896357.3170250766	39.3338453848034	-00.8904765	337066.497233385	43569500.96563539	3167.81610437513	2950.4036960136	2911.4036960136	2911.4036960136	50.043949	49.63211605961908
525	157	15965	-25101.141313	896357.3170250766	39.33384736693021	-00.8881443	337267.5232589945	43569500.96563539	3167.81610437513	2949.68158039684	2910.68158039684	2910.681580396		

ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
607	157	116047	2018.8586730335	89.3537	31.70250766	39.333836005205896	-0.06969005	35371.1356303345	4355196.75032938	2937.452516983035	2737.8514713462395	27.12725503041752	21.36007036160027
608	157	116048	2018.8586730335	89.3537	31.70250766	39.3338340188489	-0.06949038	35362.1490581147	4355192.710327334	2936.172048137703	2761.28824266792	27.4215364237033	23.17978470332183
609	157	116049	2018.8586730335	89.3537	31.70250766	39.33383193831305	-0.069226	35415.1624991422	4355198.71644483	2934.891	2763.86954783046	27.36861627757042	25.7410637757042
610	157	116050	2018.8586730335	89.3537	31.70250766	39.33382986009425	-0.06893038	35435.1577116931	4355188.7273477	2933.611074785333	2761.933841812657	27.339790920959	32.847504173851485
611	157	116051	2018.8586730335	89.3537	31.70250766	39.333827271616966	-0.06875716	35455.1889033073	4355180.73543478	2930.46745685672	2760.261419350017	27.3204219896097	33.02409940394558
612	157	116052	2018.8586730335	89.3537	31.70250766	39.33382538092725	-0.06852393	35475.2610941776	4355176.73543478	2925.46967496657	2765.604910163511	27.1727192837969	34.96443035043913
613	157	116053	2018.8586730335	89.3537	31.70250766	39.33382330931765	-0.06828297	35495.2147445492	4355174.78133228	2918.468834334213	2756.951227	27.201918755628575	30.7444839
614	157	116054	2018.8586730335	89.3537	31.70250766	39.33382104	-0.06805748	35515.2274545057	4355168.74701089	2915.46967496657	2775.364146590045	27.271943794365737	36.34580578321486
615	157	116055	2018.8586730335	89.3537	31.70250766	39.33381971721514	-0.06789426	35539.24002437317	4355164.758679986	2912.243518697382	2753.8718971790202	27.26391175832936	37.3844471777829
616	157	116056	2018.8586730335	89.3537	31.70250766	39.33381635476784	-0.06759104	35560.2504543152	4355160.78294145	2907.79513540987	2752.04538921525	27.14325724029043	37.12109113248175
617	157	116057	2018.8586730335	89.3537	31.70250766	39.333813844709455	-0.06737871	35581.26474453945	4355156.770194869	2904.346790320396	2750.43256192722	27.162868618487095	37.785030147331
618	157	116058	2018.8586730335	89.3537	31.70250766	39.33381149808404	-0.06712459	35592.276952841	4355152.77477003	2900.89427707031	2743.83569841416	27.101598748711853	38.44149831188179
619	157	116059	2018.8586730335	89.3537	31.70250766	39.3338098200064	-0.06689136	35613.288906476	4355148.78547083	2896.7512501005347	2747.2509418418445	27.07169980393105	35.09894382330354
620	157	116060	2018.8586730335	89.3537	31.70250766	39.3338064897009	-0.06665814	35634.30077894346	4355144.793	2891.21490649272	2745.68114932385616	27.08121673828516	40.2808594
621	157	116061	2018.8586730335	89.3537	31.70250766	39.333803969897	-0.06642492	35656.3125123757	4355140.801528726	2887.099176079711	2744.1400457392015	27.0743225372484	40.8453155690375
622	157	116062	2018.8586730335	89.3537	31.70250766	39.333801255697	-0.06619119	35676.76127104053	4355136.80984125	2882.257168005895	2742.611398911954	27.07068592168783	41.69957544119689
623	157	116063	2018.8586730335	89.3537	31.70250766	39.3337985497384	-0.06594847	35696.73563525175	4355132.818347558	2880.231018512688	2741.617401703375	27.0691630350785	42.4386716225244
624	157	116064	2018.8586730335	89.3537	31.70250766	39.33379521840226	-0.06572525	35716.3468811788	4355128.827	2878.01212702078	2739.0114548033877	27.06422533238438	41.61805045343606
625	157	116065	2018.8586730335	89.3537	31.70250766	39.3337930625587	-0.06549202	35739.3806102725	4355124.83592434	2876.4471733216697	2738.14297403698	27.06174557483233	41.1102888212486
626	157	116066	2018.8586730335	89.3537	31.70250766	39.33379024	-0.0652588	35750.7801029984	4355120.850415493	2872.5847763512628	2737.6911500450504	27.06848525478202	40.66751688834816
627	157	116067	2018.8586730335	89.3537	31.70250766	39.3337873193487	-0.06502558	35771.3800730285	4355116.45828884	2869.46861953038	2736.274298904279	27.069514392893041	40.96348073842565
628	157	116068	2018.8586730335	89.3537	31.70250766	39.33378447	-0.06479235	35792.3907741419	4355112.86375308	2876.7008561261	2733.8743509204265	27.0624206113134	41.0226888
629	157	116069	2018.8586730335	89.3537	31.70250766	39.3337817272064	-0.0645613	35813.7942732064	4355108.874301638	2874.369783882277	2731.26674687434684	27.062033511707	41.046212650741
630	157	116070	2018.8586730335	89.3537	31.70250766	39.3337793097164	-0.0643259	35834.7411965127	4355104.883	2873.13013730621	2731.148111025813	27.06173551769647	40.961457493650634
631	157	116071	2018.8586730335	89.3537	31.70250766	39.33377549	-0.06409268	35857.54223518414	4355100.93829641	2870.67347046146	2729.82147221283	27.065192838309025	40.9475309249034
632	157	116072	2018.8586730335	89.3537	31.70250766	39.333774069434	-0.06385946	35876.4325078073	4355096.9033373	2868.5672516516037	2728.571705234007	27.06456235941594	40.9453637924133
633	157	116073	2018.8586730335	89.3537	31.70250766	39.333772773532	-0.06362623	35897.442653497	4355092.91935591	2866.451190538927	2727.27767726711	27.06172162869334	39.88817279
634	157	116074	2018.8586730335	89.3537	31.70250766	39.3337610271247	-0.06339031	35917.84525996147	4355084.925472478	2864.616042813818	2725.978372492416	27.060163591580663	40.945128262436
635	157	116075	2018.8586730335	89.3537	31.70250766	39.333758282092	-0.06315978	35939.4624101462	4355080.943081638	2862.7500970463611	2723.8743509204265	27.0625724621693	41.046212650741
636	157	116076	2018.8586730335	89.3537	31.70250766	39.333756182768	-0.06292561	35960.4720463264	4355080.943081638	2861.196547170813	2721.83584778575	27.06013554030293	40.9475309249034
637	157	116077	2018.8586730335	89.3537	31.70250766	39.33375630485525	-0.06269334	35978.4816235178	4355076.9573093	2859.803809375712	2722.302019697814	27.061489944383165	40.945128262436
638	157	116078	2018.8586730335	89.3537	31.70250766	39.3337529634226	-0.06246012	35998.24910269187	4355072.9686985	2858.405981674512	2721.102967	27.062141269	40.945128262436
639	157	116079	2018.8586730335	89.3537	31.70250766	39.33374955374801	-0.06222689	36018.5002952372	4355068.980322064	2856.4477363512628	2719.9168719096033	27.062496809673115	40.945128262436
640	157	116080	2018.8586730335	89.3537	31.70250766	39.3337461080312	-0.06199367	36034.5042848565	4355064.9922004	2853.917903011254	2718.739697568334	27.0619736707776	40.945128262436
641	157	116081	2018.8586730335	89.3537	31.70250766	39.33374281807584	-0.06176194	36056.55851584	4355061.04259599	2851.38494398983	2717.7567508	27.0637912976488	40.945128262436
642	157	116082	2018.8586730335	89.3537	31.70250766	39.333739637139	-0.06152722	36078.5273907768	4355057.01641027	2848.857083882277	2716.26674687434684	27.062033511707	41.046212650741
643	157	116083	2018.8586730335	89.3537	31.70250766	39.3337355036455	-0.0612924	36098.7350620259	4355053.029	2847.504625846667	2715.22506467178	27.06171994738937	40.945128262436
644	157	116084	2018.8586730335	89.3537	31.70250766	39.3337318751709	-0.06106078	36118.5481552924	4355049.40128434	2847.327869047807	2714.04923389139	27.06272091439631	40.945128262436
645	157	116085	2018.8586730335	89.3537	31.70250766	39.33372821	-0.06082755	36139.5807862835	4355045.400412482	2845.111213129517	2712.8685669222183	27.06256551137605	40.945128262436
646	157	116086	2018.8586730335	89.3537	31.70250766	39.33372443070314	-0.06059433	36159.5614043494	4355041.06833219	2846.9716819374637	2711.6819873914637	27.0625712426592327	40.945128262436
647	157	116087	2018.8586730335	89.3537	31.70250766	39.3337207	-0.06036111	36179.1969839003	4355036.80030235	2844.6813391514425	2710.48942963306	27.06259203199391	40.945128262436
648	157	116088	2018.8586730335	89.3537	31.70250766	39.33371692741207	-0.06013788	36192.577658883	4355033.93253037	2846.662202189961	2709.267167445344	27.064768028393047	40.945128262436
649	157	116089	2018.8586730335	89.3537	31.70250766	39.3337132720264	-0.05991293	36215.84938842928	4355029.816838158	2844.95149388467023	2708.1931248770784	27.064768028393047	40.945128262436
650	157	116090	2018.8586730335	89.3537	31.70250766	39.33370918156947	-0.05968144	36234.9839307801	4355025.10253818	2843.787775476116	2707.89126373069	27.06384793214862	40.945128262436
651	157	116091	2018.8586730335	89.3537	31.70250766	39.3337052106776	-0.05945281	36259.0510425005	4355021.13440794	2845.8610838056	2706.750573705624	27.06365142634314	40.945128262436
652	157	116092	2018.8586730335	89.3537	31.70250766	39.3337015551459	-0.05921949	36279.67608	4355017.14849648	2844.26568279664	2705.631425785205	27.06342196686318	40.945128262436
653	157	116093	2018.8586730335	89.3537	31.70250766	39.3336972491266	-0.05899177	36299.76159685073	4355013.16279838	2844.08427335617	2703.1921404487327	27.0633051741047297	40.945128262436
654	157	116094	2018.8586730335	89.3537	31.70250766	39.3336931495297	-0.05875825	36318.9823232026	4355009.17181978	2843.195687438621	2701.96059841771	27.062893012002496	40.945128262436
655	157	116095	2018.8586730335	89.3537	31.70250766	39.3336892655334	-0.05852621	36339.9602859682	4355005.19192878	2842.3051621636915	2700.7088969916367	27.06259203199391	40.945128262436
656	157	116096	2018.8586730335	89.3537	31.70250766	39.333685420088	-0.0582921	36360.9537670025	4355001.20866122	2839.50717512335	2700.455019046106	27.062570711153283	40.945128262436
657	157	116097	2018.8586730335	89.3537	31.70250766	39.33368159585	-0.05805828	36381.6442365272	435				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevBothKgs.f	os.SatElev	SatThBoth.f
73	157	116173	11238.85687307335	895357.3170250766	-0.33322813670516	-100.4030043	79797.7972793087	4354849.432890233	2702.124246909708	2596.4419728030713	2501.4137182722307	2501.0421890685104	56.02825403	95.39980023
734	157	116174	11238.85687307335	895357.3170250766	-0.33322113400476	-100.4007881	798278.7946	4354860.95364899	2595.2388876989516	2498.895575444093	2499.503190238271	2499.3433122575852	95.73569746113071	
735	157	116175	11238.85687307335	895357.3170250766	-0.333213462599364	-100.3983759	798479.791876334	4354868.93598669	2590.7689187305577	2498.842527090416	2498.18389447235	2498.1418389447235	95.180780188913	
736	157	116176	11238.85687307335	895357.3170250766	-0.33305064	-100.3960347	798679.7890062469	4354883.17379325	2596.968134750552	2592.829652348375	2498.190670417334	2498.0348188375	95.5218180401251	
737	157	116177	11418.85687307335	895357.3170250766	-0.333319724709636	-100.3937116	79881.786	4354679.044	2693.167450767426	2591.62375375425	2497.38280766449	2496.680530917634	94.23087230897639	94.94316708837942
738	157	116178	11547.85687307335	895357.3170250766	-0.3331899648536	-100.3913794	380082.7829	4354675.07593457	2590.41658746253	2495.6234659080314	2495.4477993758621	94.7312155	94.93839714045198	
739	157	116179	11613.85687307335	895357.3170250766	-0.33318209593149	-100.3890472	380823.7796970304	4354671.10360849	2589.208676287132	2496.570672502682	2496.481973141303	92.6380314542893	92.7267315452893	94.05309245
740	157	116180	11618.85687307335	895357.3170250766	-0.33331740996034	-100.386715	380844.7766465925	4354667.13622144	2688.311114550215	2588.00032216935	2498.078671732703	2494.955231	92.611648043646	94.05309245
741	158	116181	370941.1413	895017.3170250766	-0.28657714652165	-102.101864	231807.2966444372	435776.886	3981.650151589544	3724.0011187358355	3725.967983697486	3725.9599691336051	55.64712196919429	
742	158	116182	370281.1413	895017.3170250766	-0.2871021451658	-102.107845	222108.8309907012	4357850.13059203	3965.819076334648	3779.620074334807	3771.500531450012	3771.70675047325	62.115739834697	59.8952480815759
743	158	116183	369621.1413	895017.3170250766	-0.28262769277149	-102.1055227	220339.66947176278	4357846.01262674	3963.6703010646043	3778.320727489775	3716.0482470150358	3717.862121086777	62.27248011881591	60.45860630017795
744	158	116184	368961.1413	895017.3170250766	-0.2826528933849	-102.103198	22510.80568702094	4357841.90614027	3961.2546471811005	3776.9481695480604	3713.960173011045	3715.042714690274	61.4749548	
745	158	116185	368301.1413	895017.3170250766	-0.28267808866814	-102.100859	22711.94361950408	4357837.794230185	3958.83629325670917	3775.53400524844	3712.0880250579176	3713.0558968267005	63.248623232641387	
746	158	116186	367641.1413	895017.3170250766	-0.2826717435644	-102.0985271	223913.071756173	4357813.684274962	3956.4179394114113	3774.1909067715613	3708.891252646715	3706.874979363006	63.769407708902236	
747	158	116187	366981.1413	895017.3170250766	-0.282728244807294	-102.096193	23378.24212746447	4357829.790404489	3953.688958359646	3772.8222339552275	3706.3202538858545	3706.4284744700026	67.5620854933762	66.9389648222496
748	158	116188	366321.1413	895017.3170250766	-0.282735270219316	-102.093834	233315.3479682087	4357825.459800915	3950.649071164211	3771.4438973426163	3701.724242	3702.741126234119	69.1786502726632	69.77017102005
749	158	116189	365661.1413	895017.3170250766	-0.2827855092521	-102.091518	233516.48278748832	4357821.348498734	3947.60276985776	3770.635225275783	3698.0815071071693	3698.27191989249	71.88201540258905	71.3344205426341
750	158	116190	365001.1413	895017.3170250766	-0.28280318502675	-102.089197	233717.6114135813	4357817.237512604	3944.5694827533416	3768.680049396106	3695.37525249006	3695.843346025667	73.850678905244	72.8374891394367
751	158	116191	364341.1413	895017.3170250766	-0.28280287622207	-102.086876	233918.758	4357813.1267381	3941.4722848938635	3765.296485343107	3695.001528839773	3695.35658951357	72.2914196936346	71.93906258
752	158	116192	363681.1413	895017.3170250766	-0.28283522177836	-102.084536	233918.758	4357813.1267381	3939.159184305436	3765.9072541533275	3695.709882800964	3696.355149598736	73.737711453632	69.5521047545391
753	158	116193	363021.1413	895017.3170250766	-0.28280777216953	-102.082204	234321.019792137	4357813.1267381	3936.55618866233	3764.551101159114	3696.929212188734	3697.65475731154277	67.586188970303	66.8603600403872
754	158	116194	362621.1413	895017.3170250766	-0.282892476873814	-102.0798723	234592.152304313	4357800.75989624	3933.9719803536623	3763.118167302518	3697.762650948746	3698.581482904796	64.5369874204252	
755	158	116195	362181.1413	895017.3170250766	-0.28294432036975	-102.076586	235117.261312396	4357813.1267381	3931.062078	3762.044674698923	3694.6314468136	3695.80392312706	61.15420259163	
756	158	116196	361041.1413	895017.3170250766	-0.282951852112545	-102.075205	234924.91483325994	4357792.575827891	3929.4048700502402	3760.3515227203	3697.998540212977	3699.0949877167	60.2656505326503	60.1265549531178
757	158	116197	360381.1413	895017.3170250766	-0.28297647173234	-102.072876	235125.55241527804	4357786.054052995	3927.22448610679	3768.886186014197	3697.58810924634	3698.731907155059	61.29860517875556	60.9873943680586
758	158	116198	359721.1413	895017.3170250766	-0.2829004719453	-102.070548	235326.684363722	4357784.307304567	3925.044030216333	3757.458041534444	3697.213059804213	3698.023812767463	60.2448871270306	59.4342267691494
759	158	116199	359061.1413	895017.3170250766	-0.282920577176516	-102.0682129	235527.8179154678	4357780.248	3923.09492586776	3756.017598199937	3696.4715785117924	3696.85985899932	59.4601969	59.0320112004494
760	158	116200	358401.1413	895017.3170250766	-0.28295006211911	-102.065881	235728.94918621128	4357776.138883928	3921.37275721982	3754.56192709467	3694.915480322538	3696.01355780786	59.6446846892296	58.54836920880924
761	158	116201	357741.1413	895017.3170250766	-0.282974502022277	-102.063492	235869.6809188553	4357776.138883928	3913.9719803536623	3753.118167302518	3697.762650948746	3698.581482904796	58.31202142985455	58.31202142985455
762	158	116202	357081.1413	895017.3170250766	-0.28297647173234	-102.0612173	236131.212396	4357781.9215009	3917.91751924114	3751.9717099627	3694.6314468136	3695.80392312706	58.255113125125	
763	158	116203	356421.1413	895017.3170250766	-0.282932326471016	-102.058854	236233.345987872	4357763.813434929	3916.4673871480696	3750.0728072602684	3690.419270555747	3690.602082157406	59.6314618028151	59.6314618028151
764	158	116204	355761.1413	895017.3170250766	-0.28291475148477	-102.056535	236333.4745625334	4357751.70394356	3915.273973425997	3748.58242906832	3698.3490469818958	3698.581482904796	58.960102946326	58.960102946326
765	158	116205	355101.1413	895017.3170250766	-0.28291781123978	-102.0542216	236373.640523304617	4357755.598508574	3914.007197502972	3746.955542539304	3686.1693721155007	3687.2551267040476	59.70861182408675	59.70861182408675
766	158	116206	354441.1413	895017.3170250766	-0.28291960254512	-102.051889	236935.735655546	4357751.489154514	3912.77800800813	3745.32565521032	3684.126277010523	3684.83936240556	60.51302749467584	
767	158	116207	353781.1413	895017.3170250766	-0.282920195610796	-102.049578	23738.8665225947	4357747.381585131	3911.462520718639	3743.187738278984	3682.128471195151	3682.729253344674	61.5887171777415	60.9873943680586
768	158	116208	353121.1413	895017.3170250766	-0.282924432036975	-102.047276	237387.9674758537	4357743.1267381	3908.83629325670917	3742.044674698923	3694.6314468136	3695.80392312706	61.15420259163	
769	158	116209	352461.1413	895017.3170250766	-0.282948412359122	-102.044894	237593.1257106418	4357786.054052995	3908.66249657831	3740.346307	3697.8497918714597	3695.80392312706	60.9873943680586	
770	158	116210	351801.1413	895017.3170250766	-0.28292043436905	-102.042652	237740.254575974	4357750.093937654	3907.262281419537	3743.811856398767	3678.5016112315907	3678.5016112315907	60.11069516	56.339353360699
771	158	116211	351141.1413	895017.3170250766	-0.282931642388734	-102.0402303	237941.384	4357730.55132322	3905.2465268241967	3736.85268241967	3677.433861	3685.07147397185	59.4146071745622	51.835794126477595
772	158	116212	350481.1413	895017.3170250766	-0.28293403633576	-102.0378984	238142.51284184484	4357736.7846507784	3901.671569821034	3735.0744508629	3676.803825	3686.53504	58.27091978589897	48.53970487
773	158	116213	349821.1413	895017.3170250766	-0.282936477760235	-102.035665	238343.6414642947	4357727.74	3899.98471420319	3733.27964115321	3686.208097081183	3686.033881009316	47.24573505258941	
774	158	116214	349161.1413	895017.3170250766	-0.2829388122166655	-102.033248	238947.7697903696	4357718.633669585	3897.3537305249997	3731.469925309942	3675.3542642979474	3682.624341744423	46.116977011968174	47.2272976764546
775	158	116215	348461.1413	895017.3170250766	-0.28294432036975	-102.031094	239244.3596819278	4357708.620856	3894.6314468136	3729.8767677846	3674.914684403921	3674.914684403921	45.31202142985455	
776	158	116216	347841.1413	895017.3170250766	-0.282934359681222	-102.0285708	239478.02570317933	4357710.42013005	3892.5819501806	3727.802469554726	3674.914684403921	3674.914684403921	45.31202142985455	
777	158	116217	347181.1413	895017.3170250766	-0.282945941508335	-102.0262389	239148.15371212094	4357706.31861208	3893.07449	3725.98712244378	3674.8176916878204	3683.005975393365	51.7994485465779	42.881196851031
778	158	116218	346521.1413	895017.3170250766	-0.282934359681222	-102.023907								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
119	116299	-293061.1413		896017.3170250766	39.3125111913624	-101.8350182	55639.7530946128	4375370.323356423	3721.589497568298	3580.907839151373	3472.775035428241	3475.524203002584	107.5328004889612	104.78341561461184
120	118300	-292401.1413		896017.3170250766	39.33127109950414	-101.8326862	55640.8990620233	4375366.34228506	3718.104563869273	3578.16627373542	3469.79726205161	3475.523023951073	108.3698453058073	102.8380730405905
121	118301	-291781.1413		896017.3170250766	39.3328103596941	-101.8303452	55641.1669412817	4375362.144896723	3716.419610161333	3576.331584111333	3469.58441	3474.0096404058915	109.44710349484926	102.75219285348206
122	118302	-291081.1413		896017.3170250766	39.3317090535698	-101.8280221	55643.9207943358	4375361.955051089	3711.134664661235	3573.920914236572	3467.870129055611	3471.44306716160296	110.2736937562522	102.633831923391
123	118303	-290421.1413		896017.3170250766	39.33330720709835	-101.8258091	55644.17887484835	4375363.967221572	3708.38961453848	3571.7781958159885	3459.6485716717157	3468.775861456092	112.12662414427284	103.0023345898964
124	118304	-289761.1413		896017.3170250766	39.3335057261893	-101.8235811	55645.2847217721	4375364.978768171	3706.38459157846	3569.654898190904	3455.52579615731	3464.941354912931	114.13030735928	104.71453572779728
125	118305	-289101.1413		896017.3170250766	39.333107328184214	-101.8210261	55646.3903243741	4375345.790330889	3704.379528180431	3567.5390393787804	3450.87736949163427	3460.48917764924	116.6585390624714	107.06612421435648
126	118306	-288441.1413		896017.3170250766	39.33139004	-101.8188941	55647.49056651573	4375341.702179711	3702.37442850441	3565.41738496031	3454.57521369367	3456.154242757649	119.8396210639427	109.2604957388529
127	118307	-287781.1413		896017.3170250766	39.33160921418365	-101.816362	55748.006009388	4375347.614224627	3703.577579617315	3563.5215564520885	3440.911919286923	3452.739637748375	122.3796371670846	121.0721767725196
128	118308	-287121.1413		896017.3170250766	39.3314233241895	-101.81403	55749.705602319	4375333.5264535	3702.118415	3561.155816743782	3439.965219854033	3450.9744952535	124.2003182007198	110.11052014904235
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141	118321	-278541.1413		896017.3170250766	39.33168031969404	-101.7837398	56004.4740281254	4375280.4033	3750.28765112984	3532.316544445457	3423.6778196203	3416.840735243397	114.7115971914216	118.76933642437718
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144	118324	-276561.1413		896017.3170250766	39.3317315553807	-101.7767174	56067.35132014207	4375268.148894271	3715.6018046515	3527.35604819021	3428.8346436890045	3415.182225255287	132.17082488019722	117.61531914880518
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147	118327	-274581.1413		896017.3170250766	39.331769234545458	-101.7697213	56129.76351084584	4375256.9295256	3720.28765112984	3521.28765112984	3428.58304604609	3425.91171298629579	110.88121320097748	115.34356857996295
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157	118337	-267981.1413		896017.3170250766	39.33197877222729	-101.7464007	56328.1634762585	4375215.06772249	3713.7306557544	3502.387702556306	3429.360108805722	3427.96361619171	130.9155278981824	117.61531914880518
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161	118341	-265341.1413		896017.3170250766	39.3320516339533	-101.7371384	56406.0613377045	4375200.3737045	3704.379528180431	3500.427613313892	3425.91171298629579	3425.91171298629579	130.9155278981824	117.61531914880518
162	118342	-264681.1413		896017.3170250766	39.33206962	-101.7347044	56428.7130408533	4375194.659	3703.881029181678	3493.776661444	3422.4822100434	3422.4822100434	130.9155278981824	117.61531914880518
163	118343	-264021.1413		896017.3170250766	39.3320876185645	-101.7324083	5							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.fg	BR/ElevKgs.fg	SurfElev.fg	SurfBot.fg
245	158	16426	-20990.1413	896017.3170250766	39.33341396772614	-101.541175	28097.37733123505	4356856.610301096	3652.582532988337	3309.318662421076	3303.0498656197583	3303.0313361898916	96.2687968013178	96.3036232039461
246	158	16426	-20924.1413	896017.3170250766	39.33342827273979	-101.538429	28145.4423204059	4356852.54563055	3558.631426158578	3308.127214098151	3302.9588570212536	3302.97902396529	95.1683670769979	95.1481901429444
247	158	16427	-20861.1413	896017.3170250766	39.3334253270566	-101.5365107	28137.5291112331	4356848.61154232	3558.204169807115	3308.963168034477	3304.2063831313	3304.2063831313	92.69214475831287	92.69214475831287
248	158	16428	-20792.1413	896017.3170250766	39.33347646723785	-101.5341785	281580.6987601936	4356845.41687628	3552.439505245186	3305.63189776115	3305.8203273303445	3306.3306425864709	89.2958091754749	89.2958091754749
249	158	16429	-20721.1413	896017.3170250766	39.3334791784049	-101.5318464	281781.68702960445	4356840.35782295	3548.650351795067	3304.326830538031	3308.127502006783	3308.8030450026273	86.19933033125254	85.52378494676351
250	158	16430	-20660.1413	896017.3170250766	39.33348504231657	-101.5295142	281982.76416161925	4356836.28889032	3544.8176911375	3302.97653493131	3310.4449649285165	3310.4449649285165	78.1060536	78.1060536
251	158	16431	-20594.1413	896017.3170250766	39.3334912209119	-101.5271821	282183.8410799044	4356832.22520327	3541.53672047915	3301.5777325062145	3312.082945882035	3313.0503589494	74.9497862	75.26299891672046
252	158	16432	-20528.1413	896017.3170250766	39.33351315681794	-101.524849	282384.34177952017	4356828.16170329	3538.76570927696	3302.14742710087	3312.436143304143	3313.412159	77.6913230357272	76.7149637
253	158	16433	-20462.1413	896017.3170250766	39.33352174649673	-101.5226177	282585.944290254	4356824.98839561	3538.0346890731165	3302.0746466983	3312.117146466983	3312.0746466983	75.56962144737523	75.56962144737523
254	158	16434	-20396.1413	896017.3170250766	39.33354101127638	-101.5201856	282787.107666689	4356820.035	3533.28368989967	3302.96352549037	3311.466587945817	3312.56373558941	75.577246	75.50197249911
255	158	16435	-20330.1413	896017.3170250766	39.33354900710546	-101.5178534	282988.1466313754	4356815.972374779	3532.124503617482	3305.49608742445	3310.8548468082024	3311.943112380703	75.572604	75.5064983177648
256	158	16436	-20264.1413	896017.3170250766	39.3335684524549	-101.5155213	283189.222482929	4356811.90956524	3532.557148447654	3303.77663593373	3309.992714855594	3311.08277009003	73.7842873777976	72.6041935032471
257	158	16437	-20198.1413	896017.3170250766	39.33358265	-101.5131891	283390.2891196606	4356807.9437131616	3532.989793233822	3302.042031026204	3308.550224956394	3309.635490591957	73.49180272	72.496192100772
258	158	16438	-20132.1413	896017.3170250766	39.33361941917286	-101.5108569	283591.375436307	4356803.785	3532.42340819994	3306.2397441747476	3306.7149645641225	3307.579474048914	73.504791062505	72.6600012785616
259	158	16439	-20066.1413	896017.3170250766	39.3336104	-101.5085248	283792.4487545305	4356797.722699014	3532.2779842399234	3308.368441364773	3304.06794978764	3304.06794978764	73.504791062505	73.504791062505
260	158	16440	-20000.1413	896017.3170250766	39.33362381250478	-101.5061926	283993.5237524481	4356795.661	3531.002008	3306.427893153247	3301.382254	3301.9063047034824	75.0543961919444	74.52138945014224
261	158	16441	-19934.1413	896017.3170250766	39.33363742119938	-101.5038064	284194.59837277	4356791.588986908	3529.447123592974	3304.714640057836	3298.671006431372	3299.0870042784545	73.474365436411	73.3545581
262	158	16442	-19868.1413	896017.3170250766	39.33365102645835	-101.5015283	284395.3711027396	4356787.623343525	3527.626317818184	3302.3432001189294	3296.119495523527	3296.437021825478	72.7237046	72.7237046
263	158	16443	-19802.1413	896017.3170250766	39.333664565644106	-101.4991961	284596.7470405936	4356783.47608254	3525.774482144003	3302.205848008403	3293.631541911954	3293.821676	73.38417181278328	73.38417181278328
264	158	16444	-19736.1413	896017.3170250766	39.333676195979416	-101.4968639	284797.8216187913	4356781.449170256	3523.789273614945	3308.015516092597	3291.5934604524074	3291.47048772033	74.6160705684913	74.5040645819563
265	158	16445	-19670.1413	896017.3170250766	39.33369151	-101.4945317	284988.8955507276	4356775.33369395	3518.813630648496	3305.72339528165	3289.396183507157	3289.20435347943	73.669150506303	73.669150506303
266	158	16446	-19604.1413	896017.3170250766	39.33370491294561	-101.4921996	285196.9657796416	4356771.29313958	3515.814412603438	3303.468528	3287.192065748717	3286.947788689484	72.7646195706824	72.7646195706824
267	158	16447	-19538.1413	896017.3170250766	39.33371827919585	-101.489849	285401.4342782704	4356767.14463	3512.00490554556	3302.327869278431	3285.527109678431	3285.527109678431	72.7646195706824	72.7646195706824
268	158	16448	-19472.1413	896017.3170250766	39.3337315891159	-101.4875352	285602.116044753	4356763.112025103	3510.9359627180615	3305.79582179576	3282.984231079522	3282.984231079522	75.79535110005418	75.79535110005418
269	158	16449	-19406.1413	896017.3170250766	39.333744882482064	-101.4852031	285803.1891851334	4356759.12262676	3510.776854242185	3306.40758421484	3278.865116916973	3279.75428329406	75.6623854051086	75.6623854051086
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271	158	16451	-19274.1413	896017.3170250766	39.33377125749295	-101.4805387	286205.3473409009	4356750.99228173	3504.3787202135074	3304.065110743453	3274.3798197473312	3274.2293008004165	73.3052815970147	73.3052815970147
272	158	16452	-19208.1413	896017.3170250766	39.33378439125652	-101.4782065	286406.4071952126	4356746.93284062	3501.2410567455054	3304.37987373454	3271.804065889646	3271.685883116596	73.56882178399924	73.56882178399924
273	158	16453	-19142.1413	896017.3170250766	39.33379747997163	-101.4758743	286607.4784409544	4356742.87328138	3498.10208954556	3304.712029889678	3268.466290287975	3268.466290287975	73.56882178399924	73.56882178399924
274	158	16454	-19076.1413	896017.3170250766	39.3338105236353	-101.4735427	286808.4747627018	4356738.1014737275	3497.3845071761639	3303.348908712327	3267.257171096587	3267.257171096587	73.56882178399924	73.56882178399924
275	158	16455	-19010.1413	896017.3170250766	39.333823522256544	-101.47121	287009.6230762245	4356734.50561083	3492.777163171777	3302.47891447704	3265.5188981610306	3265.5188981610306	73.56882178399924	73.56882178399924
276	158	16456	-18944.1413	896017.3170250766	39.33383674582626	-101.4688778	287210.6949	4356730.69624343	3491.537668841914	3304.94159925294	3263.866443812033	3263.866443812033	73.0756111326107	73.0756111326107
277	158	16457	-18878.1413	896017.3170250766	39.333849384347445	-101.4665456	287411.7663566146	4356726.63720796	3489.29810692606	3303.2925334	3261.9559832518116	3261.9559832518116	72.7693512125035	72.7693512125035
278	158	16458	-18812.1413	896017.3170250766	39.33386274827007	-101.4642134	287612.8753370536	4356722.579193139	3488.05674332052	3302.397394957	3259.316808084634	3259.340960181204	75.0951651	75.0951651
279	158	16459	-18746.1413	896017.3170250766	39.33387506624413	-101.4618913	287813.9085267056	4356718.52096044	3486.295057154903	3306.733044413565	3255.9115105677996	3255.9115105677996	73.471469374545	73.471469374545
280	158	16460	-18680.1413	896017.3170250766	39.333887929619585	-101.4594849	288014.730938718	4356714.463	3484.00490554556	3305.72858496463	3251.72784	3251.72784	73.471469374545	73.471469374545
281	158	16461	-18614.1413	896017.3170250766	39.33389507674643	-101.4571218	288216.04882407	4356710.40508026	3477.121408900114	3305.47544	3247.2888	3246.99616641355	73.7265858580979	73.7265858580979
282	158	16462	-18548.1413	896017.3170250766	39.33391321224594	-101.4548487	288417.12024750974	4356706.347432245	3473.4344935657	3304.249251	3244.11288015871	3244.11288015871	73.9630634	73.9630634
283	158	16463	-18482.1413	896017.3170250766	39.33392588945136	-101.4525525	288618.1904043927	4356702.289974919	3469.63324663026	3303.50043586822	3248.46534867284	3248.46534867284	73.0106259	73.0106259
284	158	16464	-18416.1413	896017.3170250766	39.33393848243956	-101.4502203	288819.2603526044	4356698.232711535	3466.39040617337	3302.7410586797	3247.35123266076	3247.35123266076	73.9630634	73.9630634
285	158	16465	-18350.1413	896017.3170250766	39.3339510076703	-101.4478881	289020.3300943163	4356694.17568582	3462.98716815887	3302.04707718811	3248.357187704238	3248.357187704238	73.689960173389	73.689960173389
286	158	16466	-18284.1413	896017.3170250766	39.3339633850407	-101.445556	289221.399677764	4356690.11970052	3459.66487701105	3301.32124780895	3245.913529509918	3245.913529509918	73.471469374545	73.471469374545
287	158	16467	-18218.1413	896017.3170250766	39.333975739619585	-101.4432672	289423.4784409544	4356686.05024985	3457.3845071761639	3300.348908712327	3243.52342849755	3243.52342849755	73.471469374545	73.471469374545
288	158	16468	-18152.1413	896017.3170250766	39.3339884587696	-101.4409816	289623.5813726238	4356682.005637253	3455.14787365327	3300.9591650723	3242.47244017096	3242.47244017096	73.9630634	73.9630634
289	158	16469	-18086.1413	896017.3170250766	39.33400077281382	-101.438594	289824.607084886	4356677.93493369	3448.90622162021	3300.13424276167	3246.751164	3246.751164	73.9630634	73.9630634
290	158	16470	-18020.14											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
371	156551	-126741.1413	896017.3170250766	39.34346164045716	-101.2473173	30631.5731276142	4356345.9966940312	312.211970999182	315.861520220439	315.6259982505344	315.6511606871712	314.15169171509478	30.339913342726895	
372	156552	-126801.1413	896017.3170250766	39.34347026926867	-101.244885	30612.6255479215	4356341.965815892	310.6484159945035	314.1721365170227	315.1150890537546	313.6017167502016	33.02004759448146	30.40710196686093	
373	156553	-126821.1413	896017.3170250766	39.34347865302864	-101.242658	30613.6776322194	4356337.916287998	310.6484159945035	314.1721365170227	315.1150890537546	313.6017167502016	33.02004759448146	30.40710196686093	
374	156554	-126741.1413	896017.3170250766	39.34348739174438	-101.240205	30614.1036003407	4356337.916287998	310.6484159945035	314.1721365170227	315.1150890537546	313.6017167502016	33.02004759448146	30.40710196686093	
375	156555	-126741.1413	896017.3170250766	39.34348958540334	-101.2379883	30711.57187658476	4356329.387279928	310.6484159945035	314.1721365170227	315.1150890537546	313.6017167502016	33.02004759448146	30.40710196686093	
376	156556	-123441.1413	896017.3170250766	39.34349043304137	-101.235566	30733.61836	4356325.7972314	330.7740557503625	3173.60216686797	3137.3936141664044	313.6017167502016	33.02004759448146	30.40710196686093	
377	156557	-122781.1413	896017.3170250766	39.34349172	-101.2333238	30751.8780684817	4356321.75871775	330.7740557503625	3173.60216686797	3137.3936141664044	313.6017167502016	33.02004759448146	30.40710196686093	
378	156558	-122121.1413	896017.3170250766	39.34349106608076	-101.230915	30771.937364	4356317.7194019	329.743820134994	3167.4624389710617	3127.723987592035	3133.301803414675	37.7540711185826	34.1803635483688	
379	156559	-121461.1413	896017.3170250766	39.34349106608076	-101.228659	30779.9675035058	4356313.881028466	329.743820134994	3167.4624389710617	3127.723987592035	3133.301803414675	37.7540711185826	34.1803635483688	
380	156560	-120801.1413	896017.3170250766	39.3434917794563	-101.226327	30812.038435704	4356309.64241109	329.743820134994	3167.4624389710617	3127.723987592035	3133.301803414675	37.7540711185826	34.1803635483688	
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382	156562	-119481.1413	896017.3170250766	39.34349507960793	-101.221625	308523.13974400546	4356301.56568493	3301.24756178289	315.851654090857	316.188870921055	316.188870921055	316.188870921055	36.28655480870194	
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385	156565	-117501.1413	896017.3170250766	39.34349783421454	-101.214688	308926.2905294714	4356289.45426887	3302.8228629345	315.851654090857	316.188870921055	316.188870921055	316.188870921055	36.28655480870194	
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388	156568	-115521.1413	896017.3170250766	39.3435002337871	-101.207669	309729.431630201	4356279.3479633	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
389	156569	-114861.1413	896017.3170250766	39.3435010862296	-101.205337	309930.84841234256	4356273.304	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
390	156570	-114201.1413	896017.3170250766	39.34350178642392	-101.203045	310131.537454005	4356269.62732661	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
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392	156572	-112881.1413	896017.3170250766	39.34350333787854	-101.19834	310333.63535553	4356261.19433206	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
393	156573	-112261.1413	896017.3170250766	39.3435040371757	-101.196083	310439.729200738	4356254.70751434	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
394	156574	-111561.1413	896017.3170250766	39.34350475302273	-101.193675	310595.731891206	4356253.12716215	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
395	156575	-110901.1413	896017.3170250766	39.343505629798804	-101.191342	311136.780003949	4356249.08704839	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
396	156576	-110241.1413	896017.3170250766	39.34350638556425	-101.189019	311337.8279537387	4356245.01557532	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
397	156577	-109581.1413	896017.3170250766	39.34350713810873	-101.186678	311538.8757187051	4356241.01626824	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
398	156578	-108921.1413	896017.3170250766	39.343507880562315	-101.184364	311739.7933	4356236.981211087	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
399	156579	-108261.1413	896017.3170250766	39.34350862184584	-101.182012	311949.78969696	4356232.946819397	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
400	156580	-107601.1413	896017.3170250766	39.3435093195684	-101.179819	312142.0179066901	4356229.912	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
401	156581	-106941.1413	896017.3170250766	39.3435100777773	-101.177349	312343.064341133	4356224.87119732	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
402	156582	-106281.1413	896017.3170250766	39.343510818506796	-101.1750174	312544.117783246	4356220.84280163	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
403	156583	-105621.1413	896017.3170250766	39.34351154	-101.172651	312745.158436418	4356216.80896507	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
404	156584	-104961.1413	896017.3170250766	39.34351226044977	-101.170329	312946.2049155963	4356212.74774557	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
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406	156586	-103641.1413	896017.3170250766	39.343513684371757	-101.165683	313349.729200738	4356204.70751434	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
407	156587	-102981.1413	896017.3170250766	39.343514389675309	-101.163306	313549.432480616	4356200.67415377	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
408	156588	-102321.1413	896017.3170250766	39.3435150902737176	-101.161028	313750.389934792	4356196.014032315	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
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411	156591	-100341.1413	896017.3170250766	39.34351716333322	-101.154027	314353.525136707	4356184.5427598315	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
412	156592	-99681.1413	896017.3170250766	39.343517849016313	-101.151742	314554.570155593	4356180.14832344	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
413	156593	-99021.1413	896017.3170250766	39.34351857225575	-101.149407	314759.478929316	4356174.923945923	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
414	156594	-98361.1413	896017.3170250766	39.34351919691575	-101.147082	314966.6594631577	4356170.44232494	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
415	156595	-97701.1413	896017.3170250766	39.343519860196385	-101.1446979	315157.7041669137	4356168.1444958	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
416	156596	-97041.1413	896017.3170250766	39.34352035377519	-101.142367	315358.748508757	4356164.38249327	3293.213554	3137.98273820124	3096.477991842696	3099.319994535466	51.52025486	38.76243372665354	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRElevKgs.fg	BRElevBothKgs.fg	SatThKgs.fg	SatThBoth.fg
497	158	16677	-43581.14133	896017.3170250766	39.355904093630085	-100.95345608	31642.7542656177	4355838.466982133	3152.441618262464	2971.5097829178877	2925.1801045029415	2925.7704278474865	45.37935402432258	45.73935402432258
498	158	16678	-42921.14133	896017.3170250766	39.35597045978965	-100.951118	31843.7844187949	4355834.51261139	3150.9817564954124	2970.7896245970255	2925.4108553165596	2925.3761943730466	44.851817221737895	44.851817221737895
499	158	16679	-42391.14133	896017.3170250766	39.35599953257577	-100.9484762	32044.41014048	4355830.432373371	3147.4134555991458	2970.2643735136674	2925.8273561138904	2924.253051138904	44.7035123861199	44.7035123861199
500	158	16680	-41601.14133	896017.3170250766	39.35602155207984	-100.9464538	32245.844366119	4355826.420398821	3141.736708	2969.3947393275433	2926.117470060053	2926.5972711583635	43.77792213159066	42.797521608087855
501	158	16681	-40941.14133	896017.3170250766	39.35605632713814	-100.9441216	32446.8738996263	4355822.40525478	3136.059906705248	2968.722166739383	2926.8621746051963	2927.04624622128	41.8599921	41.56990231622416
502	158	16682	-40281.14133	896017.3170250766	39.3561040845563	-100.9417893	32647.9034993964	4355818.390370243	3130.382312135402	2967.607468397988	2927.492848021005	2927.729823	40.5762382084786	40.2692382084786
503	158	16683	-39621.14133	896017.3170250766	39.3561113194587	-100.939457	32848.932360957	4355815.75525296	3126.099882421786	2967.3145009137	2928.311793529657	2928.5781956879185	39.11793056171254	38.8555471941844
504	158	16684	-38961.14133	896017.3170250766	39.35613813963294	-100.9371247	33049.9620099174	4355810.36909033	3124.98385472896	2966.815805778682	2927.859610662426	2928.045913928388	38.9691911625516	38.7567194218183
505	158	16685	-38301.14133	896017.3170250766	39.3561645098814	-100.9349724	33250.910210409	4355806.346622047	3123.275583274535	2967.121788605274	2928.2194487684475	2928.36346859247	40.00279564891628	39.80714027070567
506	158	16686	-37641.14133	896017.3170250766	39.3561904292043	-100.9324601	33462.0196974094	4355802.332446629	3121.578079175154	2965.64142705247	2924.53835483009	2924.65937453058	41.120787132325	40.9857834922278
507	158	16687	-36981.14133	896017.3170250766	39.3562158978412	-100.9301278	33663.0486	4355818.31464368	3119.649376351145	2965.0949181266927	2922.563192369398	2922.761324510628	42.37859365	
508	158	16688	-36321.14133	896017.3170250766	39.3562409161389	-100.9277955	33864.0770805134	4355794.304675258	3117.5200740495532	2964.5239312438152	2919.67274885994	2919.8840642665928	44.851834788413	44.6396697722248
509	158	16689	-35661.14133	896017.3170250766	39.3562654839174	-100.9254632	34055.1054430174	4355790.19709292	3115.39074455953	2963.55689815015	2915.3971911468019	2915.72455698584	47.86884074326544	47.54417304516073
510	158	16690	-35001.14133	896017.3170250766	39.3562896011766	-100.9231309	34256.1364383773	4355790.776746459	3113.261454236317	2961.554016678155	2910.3345091712654	2910.71708276076	51.219507608894	50.8363840207934
511	158	16691	-34341.14133	896017.3170250766	39.3563132979164	-100.9207898	34457.1617	4355782.26446752	3110.919284714271	2959.848402145801	2908.5649407140035	2908.671593823886	54.24026164112655	54.24026164112655
512	158	16692	-33681.14133	896017.3170250766	39.3563384841369	-100.9184693	34658.189561459	4355778.15181163	3108.580235113546	2958.166530508651	2900.414724782546	2900.60926578384	57.75189712610478	57.57341633261746
513	158	16693	-33021.14133	896017.3170250766	39.35635924983784	-100.916134	34859.2172786004	4355774.32866861	3106.169202484904	2956.510352311855	2995.735025569526	2995.913308693104	60.7532674590293	60.59697161875147
514	158	16694	-32361.14133	896017.3170250766	39.3563815650193	-100.9138017	35060.24483491434	4355770.226	3103.75816098262	2954.88017136692	2991.1108952134346	2991.447709200179	63.3007919235274	63.3007919235274
515	158	16695	-31701.14133	896017.3170250766	39.3564034286812	-100.9114694	35261.2722306056	4355766.214	3101.5974657073984	2953.276007885056	2887.640865776086	2887.660126191797	66.6321421086483	66.5181693925341
516	158	16696	-31041.14133	896017.3170250766	39.35642484382376	-100.9091372	35462.29946587863	4355762.201314808	3098.867116413807	2951.697090112726	2883.834513282092	2883.876127400944	67.82601741711816	67.82601741711816
517	158	16697	-30381.14133	896017.3170250766	39.3564458074464	-100.9068408	35663.326540398	4355758.18926375	3097.7767120155	2950.412705323174	2880.388759496833	2880.2226324722374	69.733945374808	69.9193806200805
518	158	16698	-29721.14133	896017.3170250766	39.356465205499	-100.9044726	35864.3534553907	4355754.17740518	3096.864176262455	2948.6107001963437	2947.1626346081675	2947.081959115841	71.4880655262687	71.5254079323485
519	158	16699	-29061.14133	896017.3170250766	39.35648612863131	-100.9021404	36065.38124262	4355750.1810312	3095.821671350402	2947.27127628472	2946.7881695145047	2946.7881695145047	73.22011483219	73.22011483219
520	158	16700	-28401.14133	896017.3170250766	39.356505	-100.899808	36266.048058964	4355746.15268957	3092.301422043385	2945.61270695197	2947.125452310833	2947.65044014441	73.88754171873638	73.9525255357863
521	158	16701	-27741.14133	896017.3170250766	39.3565251567407	-100.8974577	36467.432341552	4355742.1288972	3090.56115428576	2944.11337	2889.642853	2905.051292762	74.8881490590997	74.5503151
522	158	16702	-27081.14133	896017.3170250766	39.356543677615	-100.8951434	36668.5950202774	4355738.131003635	3088.816250921247	2942.683933865407	2967.93305820149	2967.90545362865	74.750035663917	74.7833940236756
523	158	16703	-26421.14133	896017.3170250766	39.3565661282695	-100.8928111	36869.485638187	4355734.12101008	3087.67160047068	2941.278898396278	2866.51890026931	2866.56089932026	74.6759090701696	74.6759090701696
524	158	16704	-25761.14133	896017.3170250766	39.356579938257	-100.8904788	37070.5115971635	4355730.11111169	3086.87819	2939.800860596274	2865.085390376514	2865.12963231174	74.7414813031105	74.67073181965596
525	158	16705	-25101.14133	896017.3170250766	39.356603972971855	-100.8881648	37272.5370838729	4355726.08393	3086.393164648993	2938.491894159047	2863.841768151032	2863.841768151032	74.81194178757508	74.81194178757508
526	158	16706	-24441.14133	896017.3170250766	39.3566244	-100.8854142	37472.5720494772	4355722.09430056	3085.6014495306	2937.308369012194	2862.2191979	2862.2191979	74.74042586909	74.7403381186538
527	158	16707	-23781.14133	896017.3170250766	39.356636650879	-100.8834819	37673.5885	4355718.0736969	3083.8967573184	2935.06740914132	2860.34305330472	2860.345859151683	75.1622545836909	75.1604869444986
528	158	16708	-23121.14133	896017.3170250766	39.3566466729255	-100.8811496	37874.6138512137	4355714.069	3080.95804772929	2934.509341709705	2858.371579215831	2858.355666426309	75.7376382498064	75.7376382498064
529	158	16709	-22461.14133	896017.3170250766	39.356662303771	-100.8788173	38075.6390197159	4355710.05976025	3078.071251813974	2932.62049186728	2856.304795451108	2856.1890823789977	76.3192243356176	76.44393741
530	158	16710	-21801.14133	896017.3170250766	39.3566773	-100.876485	38276.640306723	4355706.05016011	3075.157499	2931.167812624959	2854.137511897203	2853.983418654394	77.0330073719718	77.184397309705895
531	158	16711	-21141.14133	896017.3170250766	39.356691955585	-100.8741527	38477.688842861	4355702.0481609	3074.9572567084	2929.697443748309	2851.590448582995	2851.514543978295	78.103791001760	78.1828980014748
532	158	16712	-20481.14133	896017.3170250766	39.3567109194108	-100.8718204	38678.7135807297	4355698.0130136	3073.82721350402	2928.2717628472	2849.96819814509	2849.96819814509	79.22011483219	79.22011483219
533	158	16713	-19821.14133	896017.3170250766	39.35671995471515	-100.8694881	38879.78120385	4355694.02269964	3073.413384137	2928.5464281955	2845.727148542983	2845.75941269007	80.9789673985605	80.9462433879431
534	158	16714	-19161.14133	896017.3170250766	39.3567333	-100.8671558	39080.7620312687	4355690.01326623	3073.05545147703	2925.180861058613	2842.270548396834	2842.106473906727	81.9321236683015	81.0734725254087
535	158	16715	-18501.14133	896017.3170250766	39.3567461	-100.8648235	39281.7867294218	4355686.00534906	3072.75848430676	2923.63455327162	2839.171590746793	2838.90254950288	84.625715949748267	84.7161631787389
536	158	16716	-17841.14133	896017.3170250766	39.3567585175068	-100.8624912	39482.8107994031	4355681.99665305	3070.0629577511677	2922.064327527123	2838.6113477744855	2838.565083800228	83.4497168469481	83.4497168469481
537	158	16717	-17181.14133	896017.3170250766	39.3567704707302	-100.8601589	39683.8347	4355677.989	3067.36734065137	2920.49696736606	2837.965947	2838.086418989017	82.50378240216596	82.38235466604024
538	158	16718	-16521.14133	896017.3170250766	39.3567819734333	-100.8578266	39884.8584712328	4355673.981	3064.167351951566	2918.026737142427	2837.026737142427	2837.026737142427	81.8224323147416	81.58951464
539	158	16719	-15861.14133	896017.3170250766	39.3567939476163	-100.8554918	40085.84294944	4355670.000963	3063.0847398903	2916.841783051032	2834.841783051032	2834.841783051032	81.35401768087164	81.35401768087164
540	158	16720	-15201.14133	896017.3170250766	39.3568036	-100.853162	40286.905	4355665.9530777	3061.913274988433	2915.52776416556	2834.8002958798	2834.83561730034	81.04747131	80.8425792053191
541	158	16721	-14541.14133	896017.3170250766	39.3568137784211	-100.8508297	40487.92881713023	4355661.957937221	3060.239283167459	2913.8254440743253	2832.393581064095	2832.66171818366	81.43009301	81.1642656578877

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.fg	BRIElevKgs.ft	SatHtKgs.fg	SatHtKgs.ft
62	158	16803	39578.8586730335	896017.3170250766	-39.3561130512008	-100.6595812	565971.33	435533.0405034113	2875.2875164837624	270.4039650912239	2694.088298698424	2701.238557727437	46.221352224296425	39.0710931380163
624	158	16804	42328.8586730335	896017.3170250766	-39.3560580917004	-100.6572489	57172.1417034973	435533.013397738	2876.3619343465925	2738.809898172332	2692.4918203765087	2691.641378378655	46.31807818223117	41.16050588
625	158	16805	40988.8586730335	896017.3170250766	-39.3559161862006	-100.6549166	56723.32343568	435532.02243568	2874.838872113423	2737.339294968758	2691.7468562721107	2695.063035698985	46.2448240825414	42.26816107208638
626	158	16806	41558.8586730335	896017.3170250766	-39.356029735512	-100.6528473	57573.3627897327	435532.013264417	2875.5145500726577	2735.87746578053	2691.01630703509	2693.076995843286	46.416316294135	42.800506
627	158	16807	42218.8586730335	896017.3170250766	-39.3560013799636	-100.650252	57577.37363126583	435531.040421455	2874.1675172967373	2734.4480580378963	2689.4678455787143	2690.798874532666	44.98021245918185	43.6490706262976
628	158	16808	42878.8586730335	896017.3170250766	-39.3559732358595	-100.6479198	57576.38419718645	435531.040974815	2873.204704916956	2734.025988531	2687.058426300064	2687.6086347475174	44.9813304506068	45.43365718713734
629	158	16809	43538.8586730335	896017.3170250766	-39.355845875	-100.6455875	5817.37462585584	435531.05927683	2868.893285897513	2731.628663627432	2683.89345232467	2683.0157712918903	47.7696214592478	48.5470907562248
630	158	16810	44198.8586730335	896017.3170250766	-39.3559128960277	-100.6435252	5368378.4050173999	435530.068987273	2868.971876849713	2730.309841311133	2680.0071310994576	2677.0884961291443	50.1027102186555	53.22345318636897
631	158	16811	44898.8586730335	896017.3170250766	-39.355856925	-100.6409228	558579.415712183	435530.078890712	2868.709689594725	2728.862986984576	2679.831972981089	2678.89253658588	53.6470253658588	56.08884137364066
632	158	16812	45518.8586730335	896017.3170250766	-39.3558516542288	-100.6385956	552509.867892975	435529.087892975	2877.7791953657	2727.8045268445	2670.83369	2672.84151784383	56.8459732836825	54.8302289405344
633	158	16813	46178.8586730335	896017.3170250766	-39.3558203573528	-100.6362583	558891.4307204327	435529.09932697	2866.84583716014	2726.402117046773	2671.6744834345616	2674.967108079351	57.24736355	57.3022535202219
634	158	16814	46838.8586730335	896017.3170250766	-39.355788103105	-100.633926	559182.4448	435529.101794327	2865.915598785045	2726.41679390175	2673.664527503113	2677.245177793735	51.48226648	47.9016181796992
635	158	16815	47498.8586730335	896017.3170250766	-39.3557564125735	-100.6315937	559383.5454269991	435528.120415328	2865.0564275293436	2723.911414135298	2675.128280194759	2678.9313304534065	46.3615903301075	46.3615903301075
636	158	16816	48158.8586730335	896017.3170250766	-39.35572376431855	-100.6292614	559984.63900649	435528.12139191	2865.0564275293436	2722.89213535426	2676.237949214784	2676.9445543242974	46.5456162402974	45.7919519247845
637	158	16817	48818.8586730335	896017.3170250766	-39.355690655445	-100.6269291	559785.4732869008	435528.123245045	2863.48206356185	2677.147313831815	2677.110562645185	2677.147313831815	44.7685929072969	47.0160139596305
638	158	16818	49478.8586730335	896017.3170250766	-39.3556571162537	-100.6245498	559966.482413227	435527.1415382824	2862.69481714294	2676.170315611975	2680.639565511683	2682.02202168	50.6566117223468	50.6566117223468
639	158	16819	50138.8586730335	896017.3170250766	-39.3556231	-100.622245	560187.4915087554	435527.105282305	2860.640558517548	2719.1182684207	2677.829514045306	2677.829514045306	41.288748798596316	48.6436198126575
640	158	16820	50798.8586730335	896017.3170250766	-39.3555886611635	-100.6199322	560388.5004411908	435526.71665473	2857.31902211679034	2677.949021679034	2677.949021679034	2677.949021679034	45.755478505645	47.65471973968245
641	158	16821	51458.8586730335	896017.3170250766	-39.3555537652706	-100.6175999	560589.5092388496	435526.18448681	2853.99750809258	2716.7393645631134	2675.399948	2677.7350529197	41.38401622233175	45.0309159119049
642	158	16822	52118.8586730335	896017.3170250766	-39.35551841309675	-100.6152677	560790.517901892	435526.120449605	2850.7642572369	2715.619295323334	2672.5875583378242	2676.203942672254	43.0733134509186	45.37302680100135
643	158	16823	52778.8586730335	896017.3170250766	-39.3554826120252	-100.6129354	56091.523405684	435525.212702519	2849.52598313075	2714.4516748329838	2668.910033058528	2668.1560415847846	45.5416147444004	46.3160628481369
644	158	16824	53428.8586730335	896017.3170250766	-39.355446359626	-100.6103031	56112.5346250773	435525.20120411	2845.5552684130416	2713.278077535995	2664.819488839558	2664.819488839558	44.7302168233748	48.40132168233748
645	158	16825	54078.8586730335	896017.3170250766	-39.35540976708	-100.607708	56099.5846589565	435523.21728363	2845.5552684130416	2712.915346249876	2663.25283931535	2663.25283931535	44.0088119525004	47.64247238749
646	158	16826	54758.8586730335	896017.3170250766	-39.3553725032736	-100.605385	561594.5512123564	435525.20478102	2852.066895704763	2710.908127363527	2656.261840682352	2661.527542507834	45.6426895720057	49.8058513171882
647	158	16827	55418.8586730335	896017.3170250766	-39.3553384993211	-100.6030632	561795.55055555	435528.263	2852.97014076253	2709.71015153565	2651.48769720152	2654.904219552085	48.2233179454127	54.80679560147935
648	158	16828	56078.8586730335	896017.3170250766	-39.355296444512	-100.6017239	561996.567053987	435523.247662106	2852.66557434813	2708.50515256753	2646.459214075217	2646.459214075217	45.0403867745825	46.16445552619435
649	158	16829	56738.8586730335	896017.3170250766	-39.355258398637	-100.5998416	562197.5748	435523.289891264	2852.66557434813	2707.290352799577	2641.18792112398	2640.772017	60.1240316757883	65.5138611736674
650	158	16830	57398.8586730335	896017.3170250766	-39.355219383598	-100.5966093	562388.582385339	435526.3035281	2852.059249109232	2706.067301264744	2638.6265725568313	2637.828708911164	67.47407289891306	68.24052037362799
651	158	16831	58098.8586730335	896017.3170250766	-39.3551798783059	-100.5942708	562599.589646868	435523.314785327	2851.526922921358	2704.8364720737323	2635.725839231758	2635.725839231758	69.11388797520885	69.5975735415852
652	158	16832	58758.8586730335	896017.3170250766	-39.35514012179714	-100.5919448	562900.597175301	435522.33171785	2850.767424140932	2703.598268698073	2630.726745167345	2630.726745167345	71.240227916197	71.240227916197
653	158	16833	59378.8586730335	896017.3170250766	-39.35509961474075	-100.5896125	563001.604731433	435523.343539076	2850.04473966734	2702.35216962228	2628.734973267793	2634.0952204471023	73.61737735	68.5609471518558
654	158	16834	60038.8586730335	896017.3170250766	-39.3550591	-100.5872802	563202.61143344083	435520.136	2849.243624709642	2701.097790472255	2627.428789	2639.530165905992	73.66902007061553	61.5677425629944
655	158	16835	60698.8586730335	896017.3170250766	-39.355017849075	-100.5849479	563403.6184	435520.634169388	2846.1750865744	2699.83892293832	2625.116786750568	2633.966443013612	73.910554263405	65.869482021967
656	158	16836	61358.8586730335	896017.3170250766	-39.354971904688	-100.5826156	563604.76216789115	435520.388723225	2846.1750865744	2699.567186113615	2622.645751225485	2624.376405291037	75.79145305412872	74.911408252147
657	158	16837	62018.8586730335	896017.3170250766	-39.3549344813444	-100.580233	563805.617387974894	435519.8404	2839.42133502614	2697.28227301148	2625.18938432077	2625.18938432077	72.1029727040172	74.911408252147
658	158	16838	62678.8586730335	896017.3170250766	-39.3548914917034	-100.577851	564006.336742945	43551.941854827	2838.01716929525	2696.011464254578	2624.367158175	2624.367158175	72.728025	74.911408252147
659	158	16839	63338.8586730335	896017.3170250766	-39.3548568115453	-100.5756188	564207.6447807371	43551.941854827	2837.49739690944	2694.724717174107	2623.014052506135	2625.95890251525	67.710719664997214	69.12888165
660	158	16840	63998.8586730335	896017.3170250766	-39.35480550707	-100.5732865	564408.6510526487	43551.941854827	2836.914919275817	2693.43266543575	2623.879204833545	2626.598107707146	55.5354064199307	66.8345577456529
661	158	16841	64658.8586730335	896017.3170250766	-39.3547611386798	-100.5709542	564609.6520113326	43551.941854827	2835.94493328545	2693.40798323768	2628.46140683072	2628.46140683072	56.3649049437774	63.69364642872046
662	158	16842	65318.8586730335	896017.3170250766	-39.3547167779723	-100.5686219	564810.632155085	43551.941854827	2834.83187623405	2693.3187623405	2636.2909527071814	2636.2909527071814	54.54246059492374	65.2819041965093
663	158	16843	65978.8586730335	896017.3170250766	-39.3546719657484	-100.5662986	565011.669995935	43551.941854827	2833.805489608	2689.52868909922	2636.2909527071814	2636.2909527071814	54.54246059492374	65.2819041965093
664	158	16844	66638.8586730335	896017.3170250766	-39.3546273008336	-100.5639373	565212.6748530173	43551.941854827	2832.2909527071814	2688.215425709586	2634.635765794274	2635.506861477332	53.625687749275	62.783950625842
665	158	16845	67298.8586730335	896017.3170250766	-39.35458279708	-100.5616078	565429.618477768	43551.941854827	2831.2909527071814	2687.2909527071814	2633.6353296925	2633.6353296925	53.625687749275	62.783950625842
666	158	16846	67958.8586730335	896017.3170250766	-39.3545382597956	-100.5592298	565615.6897220385	43551.941854827	2830.48170178154	2685.5780907304937	2633.1032627911	2633.1032627911	55.2469831028282	64.8401305589742

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLev.f	WtL	BRELev.Kg.f	BRELev.Kg.f	SurfLev.Kg.f	SurfLev.Kg.f
1	19	16929	-365661.1413	89667.3170250766	39.3050983662937	-102.0915637	23023.60229311742	4388202.657	390.9977700193213	376.8404069521956	3694.546058326655	3694.814231385379	74.39434863	74.12617559377668
10	159	16930	-365001.1413	89667.3170250766	39.33061577	-102.0923218	23371.73674990447	4358018.54616713	3948.25433981471	376.5022458108517	3690.442518018517	3690.1605776954801	71.10973155243437	77.39137187547112
11	159	16931	-363841.1413	89667.3170250766	39.3034069292974	-102.0968988	23592.87809604456	436014.434	3945.691214	376.1519784584647	3691.2543392786536	3691.2543392786536	74.3912017146307	74.9094971746307
12	159	16932	-363681.1413	89667.3170250766	39.306550941972	-102.0845476	23412.047499447	435801.32344251	3943.308228790998	376.1623420915764	3693.765081491516	3694.130617381678	71.009721424283	70.63561391276062
13	159	16933	-363021.1413	89667.3170250766	39.33069031026952	-102.082236	23435.13842685435	4358006.21331151	3930.9324401002524	376.362272954423	3695.8401641770724	3696.306038001224	67.5270637735058	67.00632415319888
14	159	16934	-362361.1413	89667.3170250766	39.3307150667906	-102.0799041	23435.26174792096	4358002.703731409	3935.542529259335	376.1962878203078	3697.25750776361	3697.895778990382	65.7041274546695	64.0670902404571
15	159	16935	-361701.1413	89667.3170250766	39.33073978	-102.0775721	23472.7404896302	4357997.99306139	3936.25927	376.05216258839	3697.91785165572	3698.73663879078	62.63403489	61.815395739013
16	159	16936	-361041.1413	89667.3170250766	39.33074442577205	-102.0752402	23498.5373953443	4357987.803742305	3934.071164075057	376.139426517626	3698.04061512342	3698.93022922139	61.0880105284104	60.1990042254899
17	159	16937	-360381.1413	89667.3170250766	39.33078963265973	-102.0729683	23529.6760214111	4357987.74249374	3933.883016120132	376.17233245058	3697.7261691222307	3698.62269189584	59.9815640278524	58.19349373469078
18	159	16938	-359721.1413	89667.3170250766	39.33041363813624	-102.0705784	23530.8026262444	4357986.636215623	3935.7009118327583	376.2703543722555	3697.373501	3697.973396	58.2909857862453	58.2909857862453
19	159	16939	-359061.1413	89667.3170250766	39.33083816952411	-102.0682444	235531.3946771355	4357981.554190788	3927.7674138185052	375.4213824168765	3696.2047105047833	3697.034772728338	58.139718308328	57.786610138541164
20	159	16940	-358401.1413	89667.3170250766	39.3308266	-102.0659125	23573.0646647533	4357977.445	3926.065107337715	375.357201854196	3695.33303999294	3696.042657549018	58.02416825459022	57.32293096917789
21	159	16941	-357741.1413	89667.3170250766	39.3308709561502	-102.0638206	235934.179933604	4357973.33520337	3924.363063372875	375.1874828148564	3694.1372999175866	3694.84491934614	57.2398823097751	57.02908617241991
22	159	16942	-357081.1413	89667.3170250766	39.33091149	-102.0612486	236135.3229591366	4357969.227	3922.6617239612955	376.5728279883117	3692.440535880283	3693.0432989551	57.3329218023375	56.96438509
23	159	16943	-356421.1413	89667.3170250766	39.3309584154613	-102.0589167	23636.4602602795	4357965.118437958	3921.071035910886	376.849959623073	3690.642032	3691.5459293435074	57.200706413	57.2031672386634
24	159	16944	-355761.1413	89667.3170250766	39.3309014695405	-102.0565484	236537.5910502724	4357961.00992282	3919.89586937679	374.7301844794187	3698.238718114344	3698.138711075357	56.90312565284013	56.1631332040135
25	159	16945	-355101.1413	89667.3170250766	39.33098404731441	-102.0545258	23678.72148050526	4357965.901734905	3918.622877467723	374.579189213716	3698.470466879562	3698.26012681194	60.2587425257608	59.52360241791776
26	159	16946	-354441.1413	89667.3170250766	39.3310082623736	-102.0519209	236939.851706099	4357952.793691918	3917.349055652368	374.2913465552368	3692.668014	3698.01856523837	61.1032974647662	61.1032974647662
27	159	16947	-353781.1413	89667.3170250766	39.331032792919466	-102.0495889	237140.9816652856	4357948.68532719	3915.876689	374.22506621848702	3679.9032817749875	3680.19241583995	62.5973436737148	62.3813802470688
28	159	16948	-353121.1413	89667.3170250766	39.33105691816066	-102.047257	237342.111363909	4357944.57179495	3914.206723920667	374.842379230667	3677.7996083845	3677.758014013812	63.08436521685054	63.08436521685054
29	159	16949	-352461.1413	89667.3170250766	39.3310899383603	-102.044925	237543.240	4357940.0718748	3912.5367613223982	374.658021643224	3676.458021643224	3676.814726254463	62.69654116019226	62.69654116019226
30	159	16950	-351801.1413	89667.3170250766	39.33110053	-102.042931	237714.3698019245	4357936.36434569	3910.786762361713	373.7438224	3675.92591086033	3677.828742675933	61.896531178699	62.39940817502246
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32	159	16952	-350481.1413	89667.3170250766	39.3311529687252	-102.0370292	238146.627555405	4357928.14516217	3906.278529	373.33249844847094	3675.307965774337	3680.1849520701145	59.6357171215655	59.1251941785944
33	159	16953	-349821.1413	89667.3170250766	39.3311768676354	-102.0355972	238347.75605527137	4357924.02842389	3903.7763429439635	373.27118902384	3675.4782545746325	3680.769173636747	58.8625717126565	58.8625717126565
34	159	16954	-349161.1413	89667.3170250766	39.33120072	-102.0332653	238548.8841964395	4357919.83062796	3901.2741698455017	373.3039520482807	3674.5498453121627	3678.15702600608	55.83967510644114	55.83967510644114
35	159	16955	-348501.1413	89667.3170250766	39.33122453	-102.0309333	238750.0120485187	4357915.030882273	3897.22320289962	372.894562082736	3673.089084026588	3675.034687	53.56717402251759	53.56717402251759
36	159	16956	-347841.1413	89667.3170250766	39.3312482962348	-102.028614	238951.1396961126	4357911.724006095	3891.623446113116	372.676589094002	3673.461715867498	3673.34168887711	53.3294304191439	50.4624027019137
37	159	16957	-347181.1413	89667.3170250766	39.33127201849543	-102.0262584	239152.76926826	4357908.11824874	3888.0236634673	374.2942862959862	3673.461715867498	3673.461715867498	53.26947304588128	48.4573047304588128
38	159	16958	-346521.1413	89667.3170250766	39.3312941624658	-102.0236773	239354.012462589	4357903.15432566	3886.423987914278	373.015860732275	3671.189651110269	3675.667384100269	52.70842205096	47.52081387817855
39	159	16959	-345861.1413	89667.3170250766	39.3311933211348	-102.0216055	239554.5210802452	4357899.4064615	3884.766664556268	372.13850071801068	3675.73484573806	3673.1198865233071	51.80859523537985	48.2660212870493
40	159	16960	-345201.1413	89667.3170250766	39.33142907860346	-102.0192735	239755.6475957805	4357894.16464545	3888.7518250862704	371.587250862704	3666.889972944667	367.9037485403374	50.72777917540305	51.68372913913349
41	159	16961	-344541.1413	89667.3170250766	39.3313664756575	-102.0169416	239956.732354868	4357891.196540398	3882.837077006085	371.7945564349484	3663.318300115691	3662.43193	54.5827635192575	55.38064348471835
42	159	16962	-343881.1413	89667.3170250766	39.33139994222961	-102.0146096	240157.8999722116	4357891.6148305	3885.9252283	371.610127546344	3659.422001413294	3655.9006637780203	54.6627405	60.1096116832364
43	159	16963	-343221.1413	89667.3170250766	39.331433185189	-102.0122776	240359.0258118747	4357882.98844447	3883.4654515309748	374.236710042757	3665.384740007285	3660.6267575270786	53.4095920308363	53.4095920308363
44	159	16964	-342561.1413	89667.3170250766	39.3314387463255	-102.009451	240569.1517639405	4357882.58692445	3882.45698117785	374.2942862959862	3671.433396920303	3671.433396920303	53.26947304588128	48.4573047304588128
45	159	16965	-341901.1413	89667.3170250766	39.3315927115716	-102.0076137	240761.2766858805	4357874.7127339	3881.572712034294	371.0712171023427	3667.388784	3668.4348589903	53.388303769454	71.4787686032316
46	159	16966	-341241.1413	89667.3170250766	39.3314340764886	-102.0052817	240962.4071116463	4357870.67401072	3880.54752691404	370.895150494964	3643.411500046608	3683.79478432162	53.683506435728	75.2007361628478
47	159	16967	-340581.1413	89667.3170250766	39.33150673992348	-102.0029497	2411163.5264801428	4357866.57009763	3881.265247311992	371.6072813476617	3639.5349829161937	3628.174513796243	52.7663005604215	79.106767967493
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49	159	16969	-339261.1413	89667.3170250766	39.33155314371005	-101.998258	241565.7763	4357858.36295543	3886.403156020375	371.610127546344	3659.422001413294	3655.9006637780203	54.6627405	60.1096116832364
50	159	16970	-338601.1413	89667.3170250766	39.3315672804006	-101.9959358	241766.899146904	4357854.29593434	3886.973331150917	372.0276947023942	3667.6801437622404	3620.051071897145	74.58702601073817	82.21600451326412
51	159	16971	-337941.1413	89667.3170250766	39.3315927115716	-101.993678	241976.1586969702	4357846.03460871	3886.125099151125	3699.04833088047	3672.8418169803358	3672.8418169803358	53.388303769454	71.4787686032316
52	159	16972	-337281.1413	89667.3170250766	39.33162241157424	-101.991289	242169.1458669702	4357846.03460871	3886.125099151125	3699.04833088047	3672.8418169803358	3672.8418169803358	53.388303769454	71.4787686032316
53	159	16973	-336621.1413	89667.3170250766	39.33164541077835	-101.9898579	242370.2698	4357841.951	3887.03634750337	367.4876994764117	3619.6560221267832	3616.3205119581285	77.8224073462852	81.1587151828328

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatSkthLogKrg.ft	SatBothKrg.ft
135	159	117055	-282501.1413	89667.71720250766	39.33337806354753	-101.7977706	258861.526864364008	4357506.196	3727.242293273149	3546.2898648395376	3418.4514374109917	3423.7622741872638	327.84301098438415	122.52757420811213
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137	159	117057	-281181.1413	89667.71720250766	39.333416539646824	-101.7939664	259263.73213342455	4357498.022391872	3731.999685458096	3541.267518166926	3433.633810287266	3438.9334717588827	108.333941101686985	106.1747101686985
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139	159	117059	-279861.1413	89667.71720250766	39.3334483556441	-101.7884022	259665.93647143375	4357489.850891052	3732.7563263266675	3542.647182216037	3434.7138360212357	3427.2555992499	102.9603619480133	110.3269262235807
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142	159	117062	-277881.1413	89667.71720250766	39.33351194159945	-101.7814509	260281.29411962066	4357477.594659959	3731.9021101265977	3531.319179391761	3430.1107742758813	3411.780567252896	101.2089451158804	119.53912513947221
143	159	117063	-277221.1413	89667.71720250766	39.33353039885327	-101.7797678	260470.34229454782	4357473.509894892	3731.9021101265977	3529.228575838307	3429.26688989868	3410.779625671094	98.4488526873681	119.53912513947221
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146	159	117066	-275241.1413	89667.71720250766	39.33358745234075	-101.7720775	261073.64104659692	4357461.25623136	3736.01536791362	3523.0500874258055	3429.8312131309803	3418.579468295247	93.27196612	104.47061053324282
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148	159	117068	-273921.1413	89667.71720250766	39.33362493743704	-101.7674133	261475.84425490987	4357453.087286337	3737.680445828042	3519.0174528587913	3433.9479653361629	3429.658365983346	85.00948751	89.33179687545676
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158	159	117078	-267321.1413	89667.71720250766	39.33380960163325	-101.7440021	263468.805154564	4357412.25736935	3708.147023263514	3500.04980206511	3426.254910128004	3425.65869452028	73.7947989805053	74.391200158302
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162	159	117082	-264681.1413	89667.71720250766	39.333882267971825	-101.734736	264291.21865516704	4357395.930890782	3707.48509250694	3493.143558610484	3419.156931375394	3419.156931375394	73.6996935148813	73.6996935148813
163	159	117083	-264021.1413	89667.71720250766	39.33390039230984	-101.7324515	264492.314698935	4357391.849761746	3706.471438115702028	3490.34779647191	3417.631518711883	3417.631518711883	73.6996935148813	73.6996935148813
164	159	117084	-263361.1413	89667.71720250766	39.33391831593756	-101.7301994	264693.411420387	4357387.78592738	3704.77015645143	3489.035557719	3416.14569	3416.171274231913	73.685286	73.685286
165	159	117085	-262701.1413	89667.71720250766	39.33393628583522	-101.7277432	264894.5070817786	4357383.688091752	3703.045913527074	3488.205411467679	3414.616804751482	3414.616804751482	73.5886061761986	73.5886061761986
166	159	117086	-262041.1413	89667.71720250766	39.33395419032202	-101.7254351	265095.062789275	4357379.657007575	3701.331726	3486.5994824900777	3413.199497273984	3413.00775195337	73.3999852160938	73.3999852160938
167	159	117087	-261381.1413	89667.71720250766	39.333972099178784	-101.723103	265296.698264612	4357375.52250813	3699.606482415886	3485.012411479132	3412.076269647326	3411.1188308902657	73.3999852160938	73.3999852160938
168	159	117088	-260721.1413	89667.71720250766	39.3339898782089	-101.7207708	265497.9350823135	4357371.47	3697.871296459354	3483.433356540554	3409.292635835246	3409.292635835246	73.3999852160938	73.3999852160938
169	159	117089	-260061.1413	89667.71720250766	39.3340076233964	-101.7184378	265698.888	4357367.367103875	3696.1574664858	3481.889246	3407.151007204191	3407.151007204191	73.3999852160938	73.3999852160938
170	159	117090	-259401.1413	89667.71720250766	39.3340253134541	-101.716106	265899.9832071865	4357363.28734698	3694.401917333028	3480.34779647191	3404.89115872534	3404.89115872534	73.3999852160938	73.3999852160938
171	159	117091	-258741.1413	89667.71720250766	39.33404305630786	-101.713874	266101.077805407	4357359.20785878	3692.8584852425	3478.8171834405	3402.72298010201	3402.72298010201	73.3999852160938	73.3999852160938
172	159	117092	-258081.1413	89667.71720250766	39.33406074223646	-101.7114423	266302.1722	4357355.12842037	3690.6901770604	3477.30057231789	3400.37623433982	3400.37623433982	73.3999852160938	73.3999852160938
173	159	117093	-257421.1413	89667.71720250766	39.33407828092784	-101.7091102	266503.2652592716	4357351.042951761	3688.661580559974	3475.7927175016103	3397.8027365933463	3397.8027365933463	73.3999852160938	73.3999852160938
174	159	117094	-256761.1413	89667.71720250766	39.3340958491524	-101.706778	266704.360128558	4357346.907278641	3686.713243134	3474.29428254894	3395.226651413743	3395.226651413743	73.3999852160938	73.3999852160938
175	159	117095	-256101.1413	89667.71720250766	39.3341133069011	-101.7044459	266905.453739393	4357342.8910474	3684.600187054653	3472.8035181160326	3393.701072074135	3393.701072074135	73.3999852160938	73.3999852160938
176	159	117096	-255441.1413	89667.71720250766	39.3341309941999	-101.7021137	267106.541573489	4357338.812020435	3678.34947936069	3471.3198447574105	3389.123247842853	3389.123247842853	73.3999852160938	73.3999852160938
177	159	117097	-254781.1413	89667.71720250766	39.33414831593756	-101.6997845	267308.7533871737	4357334.653654581	3672.616089772757	3468.30178347805	3387.2480258519937	3387.2480258519937	73.3999852160938	73.3999852160938
178	159	117098	-254121.1413	89667.71720250766	39.33416573173756	-101.6974495	267509.7533871737	4357330.578352132	3668.0183899105	3466.904169708534	3386.02762330698	3386.02762330698	73.3999852160938	73.39998521

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRLEvLogKg.f	BRLEvBothKg.f	SatThLog.f	SatThBoth.f	
261	159	17181	-199341.1413	89667.71720250766	39.35450152183725	-101.503879	284198.66646565043	3531.9121455263617	3373.382347	3296.3060901824274	3297.037358934505	76.7034718442552	76.3450732337498
262	159	17182	-198681.1413	89667.71720250766	39.35463776776724	-101.501457	284391.6543430535	3379.3540279527349	3371.31412253638	3293.660447759149	3294.650778718479	77.6450776793498	76.3450776793498
263	159	17183	-198461.1413	89667.71720250766	39.354772720250766	-101.499218	284600.8146963456	3389.3817702958374	3389.183165345067	3291.6800175882937	3292.00175882937	77.50206358251033	77.18140369251033
264	159	17184	-197361.1413	89667.71720250766	39.35490770817415	-101.496813	284801.8893485554	3569.680164	3366.9419036314904	3290.913637249046	3289.93146991964	76.9034527300787	77.06334617616949
265	159	17185	-196701.1413	89667.71720250766	39.35502422025966	-101.494549	285002.9626671811	3569.676304023272	3354.4248357405714	3362.4747955284263	3288.2190068834858	3288.005391223805	76.745367882489
266	159	17186	-196041.1413	89667.71720250766	39.35511762	-101.492216	285204.30621677194	3569.752.542	3522.465815980024	3362.4714490389565	3286.4043639620054	3286.1463959107818	76.625031437017725
267	159	17187	-195381.1413	89667.71720250766	39.3553098400131	-101.4898846	285405.1904669774	3569.676304023272	3519.8890674955715	3360.15361061634	3285.101788258289	3284.258383149516	75.781768258289
268	159	17188	-194721.1413	89667.71720250766	39.355443	-101.487523	285606.1825946987	3569.676304023272	3516.73945343217	3360.15361061634	3282.57402905341	3282.25770026304	74.95038318282072
269	159	17189	-194061.1413	89667.71720250766	39.3555756754519	-101.485201	285807.25548141275	3569.676304023272	3513.580938379884	3353.053529614476	3280.51328136987	3280.234361874987	74.849031683
270	159	17190	-193401.1413	89667.71720250766	39.3557079	-101.482879	286008.32815725217	3569.676304023272	3510.422223038695	3353.053529614476	3277.849140146747	3277.8094427113324	74.74981641069574
271	159	17191	-192741.1413	89667.71720250766	39.35583970891044	-101.480556	286209.4006241314	3569.676304023272	3507.295205010865	3350.751836970846	3275.90351489776	3275.2340546085975	74.52340172130884
272	159	17192	-192081.1413	89667.71720250766	39.35597104908965	-101.4782234	286414.4727710209	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
273	159	17193	-191421.1413	89667.71720250766	39.3561019403827	-101.4758912	286611.5449215238	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
274	159	17194	-190761.1413	89667.71720250766	39.35623238038174	-101.4735589	286812.6157658257	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
275	159	17195	-190101.1413	89667.71720250766	39.356362696798	-101.4712267	287013.688308905	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
276	159	17196	-189441.1413	89667.71720250766	39.356491908861	-101.468884	287214.759792349	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
277	159	17197	-188781.1413	89667.71720250766	39.356620972864	-101.466522	287415.831006408	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
278	159	17198	-188121.1413	89667.71720250766	39.3567496353943	-101.46423	287616.910960446	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
279	159	17199	-187461.1413	89667.71720250766	39.3568772829052	-101.461877	287817.972783327	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
280	159	17200	-186801.1413	89667.71720250766	39.3569705599185	-101.459565	288019.0362322983	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
281	159	17201	-186141.1413	89667.71720250766	39.3571328243515	-101.457232	288220.131	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
282	159	17202	-185481.1413	89667.71720250766	39.3572596824514	-101.454901	288421.1839315455	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
283	159	17203	-184821.1413	89667.71720250766	39.357386296725	-101.452567	288629.8149963456	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
284	159	17204	-184161.1413	89667.71720250766	39.3575120029198	-101.450265	288823.3236	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
285	159	17205	-183501.1413	89667.71720250766	39.35763748751404	-101.4479043	289024.3931284456	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
286	159	17206	-182841.1413	89667.71720250766	39.357762515374	-101.445572	289225.46254807025	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
287	159	17207	-182181.1413	89667.71720250766	39.35788710506144	-101.443238	289426.5315803913	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
288	159	17208	-181521.1413	89667.71720250766	39.3580112381477	-101.440978	289627.6006	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
289	159	17209	-180861.1413	89667.71720250766	39.3581346296725	-101.438675	289829.600633597	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
290	159	17210	-180201.1413	89667.71720250766	39.358259125976	-101.436425	290029.39046425	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
291	159	17211	-179541.1413	89667.71720250766	39.3583830432224	-101.4339108	290230.806995342	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
292	159	17212	-178881.1413	89667.71720250766	39.3585033625469	-101.4315785	290431.8741876981	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
293	159	17213	-178221.1413	89667.71720250766	39.3586251	-101.4292463	290632.3240698043	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
294	159	17214	-177561.1413	89667.71720250766	39.3587465757941	-101.426914	290834.0097461055	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
295	159	17215	-176901.1413	89667.71720250766	39.35886675553164	-101.4245818	291035.0712765813	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
296	159	17216	-176241.1413	89667.71720250766	39.3589891	-101.422248	291236.1445	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
297	159	17217	-175581.1413	89667.71720250766	39.359108186555	-101.4199172	291437.2115	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
298	159	17218	-174921.1413	89667.71720250766	39.3592277906744	-101.417585	291638.273955446	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
299	159	17219	-174261.1413	89667.71720250766	39.359346683897	-101.4152527	291839.3450457016	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
300	159	17220	-173601.1413	89667.71720250766	39.3594656954034	-101.4129205	292040.4114896696	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
301	159	17221	-172941.1413	89667.71720250766	39.3595839719146	-101.4105882	292241.47701444	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
302	159	17222	-172281.1413	89667.71720250766	39.3597018	-101.408256	292452.543767017	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
303	159	17223	-171621.1413	89667.71720250766	39.359818142656	-101.405918	292658.184696111	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
304	159	17224	-170961.1413	89667.71720250766	39.3599390943115	-101.403514	292844.67522591166	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
305	159	17225	-170301.1413	89667.71720250766	39.3600552739304	-101.401292	293045.7406501627	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
306	159	17226	-169641.1413	89667.71720250766	39.360168962634	-101.3989269	293246.805709209	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
307	159	17227	-168981.1413	89667.71720250766	39.3602841704181	-101.3965946	293447.8708883965	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
308	159	17228	-168321.1413	89667.71720250766	39.36039929340636	-101.394264	293648.9357072772	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316
309	159	17229	-167661.1413	89667.71720250766	39.3605138588901	-101.391981	293850.8149963456	3569.676304023272	3504.197799454275	3348.453262498222	3273.04196869502	3272.73432	75.39327560319316

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgs.f	BRElevBothKgs.f	SatHtKgs.f	SatHtBothKgs.f	
387	19	17307	-116181.1413	89667.7172025076	39.3680703997713	-112.0100115	009532.4320083158	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
388	19	17308	-115521.1413	89667.7172025076	39.3681498	-112.0767919	3073.78622795842	3138.7704114706303	3096.2030616717227	3099.075073753865	42.56110528690754	39.6913576923482		
389	19	17309	-114861.1413	89667.7172025076	39.36822813232134	-112.053468	30884.533657723	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
390	19	17310	-114201.1413	89667.7172025076	39.3683052943177	-112.030145	30135.5791472646	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
391	19	17311	-113541.1413	89667.7172025076	39.3683840247949	-112.006822	30336.6278212084	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
392	19	17312	-112881.1413	89667.7172025076	39.3684613	-112.0198349	301035.673603063	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
393	19	17313	-112221.1413	89667.7172025076	39.3683831341913	-112.01960176	301738.7246117605	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
394	19	17314	-111561.1413	89667.7172025076	39.3686145	-112.0196833	3010938.7272728909	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
395	19	17315	-110901.1413	89667.7172025076	39.3686944154368	-112.0191358	311140.4266565835	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
396	19	17316	-110241.1413	89667.7172025076	39.3687595193878	-112.0189026	311341.8694073582	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
397	19	17317	-109581.1413	89667.7172025076	39.3688409467468	-112.0166883	3115442.915695311	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
398	19	17318	-108921.1413	89667.7172025076	39.3689155235853	-112.0184356	311743.9634365054	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
399	19	17319	-108261.1413	89667.7172025076	39.3689889649038	-112.020237	311945.010358511	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
400	19	17320	-107601.1413	89667.7172025076	39.3690353257014	-112.01796914	312146.057458305	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
401	19	17321	-106941.1413	89667.7172025076	39.3691365509786	-112.0177359	312347.1043730387	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
402	19	17322	-106281.1413	89667.7172025076	39.3692092537347	-112.0175027	312548.1511307958	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
403	19	17323	-105621.1413	89667.7172025076	39.3692616469699	-112.0172644	312749.1947132465	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
404	19	17324	-104961.1413	89667.7172025076	39.3693535236482	-112.01703621	312950.24745209	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
405	19	17325	-104301.1413	89667.7172025076	39.3694244687726	-112.0168029	313151.2898630616	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
406	19	17326	-103641.1413	89667.7172025076	39.3694959195481	-112.01656974	313352.3537438971	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
407	19	17327	-102981.1413	89667.7172025076	39.369566441693	-112.0163351	313553.3814689461	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
408	19	17328	-102321.1413	89667.7172025076	39.369635132977	-112.0161028	313754.42710114305	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
409	19	17329	-101661.1413	89667.7172025076	39.3701144001118	-112.0158708	313951.647743472	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
410	19	17330	-101001.1413	89667.7172025076	39.3697753050196	-112.0156381	314156.5157	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
411	19	17331	-100341.1413	89667.7172025076	39.3698440250828	-112.01540358	314357.562545574	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
412	19	17332	-99681.1413	89667.7172025076	39.3699122942356	-112.01517035	314558.603989606	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
413	19	17333	-99021.1413	89667.7172025076	39.3699801	-112.01493712	314759.6519926427	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
414	19	17334	-98361.1413	89667.7172025076	39.3700474821382	-112.0147038	314960.6944404954	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
415	19	17335	-97701.1413	89667.7172025076	39.3701144001118	-112.0144766	315161.7407743472	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
416	19	17336	-97041.1413	89667.7172025076	39.3701780097567	-112.0142372	315374.784903256	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
417	19	17337	-96381.1413	89667.7172025076	39.3702468453208	-112.01400419	315563.828813261	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
418	19	17338	-95721.1413	89667.7172025076	39.3703214509286	-112.01377095	315764.8725044788	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
419	19	17339	-95061.1413	89667.7172025076	39.3703775668107	-112.0135372	315965.9160882515	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
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421	19	17341	-93741.1413	89667.7172025076	39.3705064471057	-112.0130725	316388.0024534248	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
422	19	17342	-93081.1413	89667.7172025076	39.370572113171	-112.0128382	316599.450562074	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
423	19	17343	-92421.1413	89667.7172025076	39.370632510059	-112.0126075	316790.088407653	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
424	19	17344	-91761.1413	89667.7172025076	39.3706963883708	-112.01237156	316971.1311301636	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
425	19	17345	-91101.1413	89667.7172025076	39.3707580811121	-112.0121382	317172.173600493	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
426	19	17346	-90441.1413	89667.7172025076	39.3708207633296	-112.01190509	317373.2158914921	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
427	19	17347	-89781.1413	89667.7172025076	39.3708827522264	-112.01167186	317574.2580473406	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
428	19	17348	-89121.1413	89667.7172025076	39.3709343	-112.0114362	317755.2995390623	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
429	19	17349	-88461.1413	89667.7172025076	39.3710016937695	-112.0112039	317959.4584987753	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	39.266443542830135
430	19	17350	-87801.1413	89667.7172025076	39.3710641069573	-112.01102716	318177.382371743	4564862.602894021	3287.416190401054	3141.7668458333953	3099.2173786843073	3102.520401930565	42.5494666980804	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatThkBoth.kg.f	SatThkBoth.ft
513	159	17433	-32021.14133	89667.7170250766	39.33744869585386	-100.9161369	334863.2340322962	4355975.441954074	3105.03837616026	2956.3775774538107	2891.673598230251	2891.7486091263234	70.3301931355956	64.62888720487831
514	159	17434	-32361.14133	89667.7170250766	39.3374501752694	-100.913849	335064.2613865172	4355971.429	3102.6423656725343	2954.7534941653048	2887.6091458758644	2887.7500060430483	71.425929004018	66.99543352285627
515	159	17435	-32711.14133	89667.7170250766	39.33745194056924	-100.9114722	335295.2686012267	4355970.416563231	3053.152436231483	2953.152436231483	2884.08185353844	2884.131628723938	68.0700907300444	69.012001
516	159	17436	-33041.14133	89667.7170250766	39.337455245519806	-100.9091399	335664.3156133174	4355988.04162235	3095.888314	2951.5752390427056	2887.71795330059	2880.57240015564	70.8034352654637	71.02190390379137
517	159	17437	-30381.14133	89667.7170250766	39.33745741935576	-100.9068075	335667.3244863094	4355959.391591508	3087.148275581127	2950.0196960708223	2877.554111336166	2877.4142284326213	72.46548930465572	72.60542323820105
518	159	17438	-29721.14133	89667.7170250766	39.3374593329824	-100.9044752	335868.3691993036	4355955.73930403	3065.408039138424	2948.4856339230824	2874.69562745304	2874.5813677766493	73.78999117776493	73.9042852323423
519	159	17439	-29061.14133	89667.7170250766	39.3374613996075	-100.9021428	336069.3957254796	4355951.36810927	3093.727761711057	2946.6726882051067	2871.8399270328627	2871.9263745140316	75.13276279832627	75.40631040977152
520	159	17440	-28401.14133	89667.7170250766	39.3374633068417	-100.8998105	336270.4221461052	4355947.556478861	3091.926855711184	2945.4784740137943	2869.8097211650336	2869.7834333140026	76.66875068474073	76.69504030977074
521	159	17441	-27741.14133	89667.7170250766	39.3374652706745	-100.8974781	336471.7488328286	4355943.345	3088.125964635311	2944.004597436864	2867.955643241217	2867.955643241217	78.34379543	78.69428481028353
522	159	17442	-27081.14133	89667.7170250766	39.33746715	-100.8951457	336672.74455327	4355939.33796625	3086.3253953974385	2942.5353535951953	2865.324691493337	2865.324691493337	79.1534695486165	79.20517715671933
523	159	17443	-26421.14133	89667.7170250766	39.3374691341463	-100.8928134	336873.5004	4355935.322745343	3087.135603917121	2941.082110946264	2865.133581366984	2865.133581366984	80.359325565003	80.93371707287997
524	159	17444	-25761.14133	89667.7170250766	39.3374707535854	-100.890481	337074.5261287441	4355931.311887274	3086.5578446181515	2939.63645411088	2863.748678347082	2863.8038430395965	75.8877679405089	75.83261020512327
525	159	17445	-25101.14133	89667.7170250766	39.33747249134926	-100.8881487	337275.5517274801	4355929.30122403	3085.97556844155	2938.196249498963	2862.6784514324268	2862.734230495664	75.7587901755629	75.46690135
526	159	17446	-24441.14133	89667.7170250766	39.3374741282686	-100.8858163	337476.5717678587	4355923.29047228	3085.4011521709716	2938.7587645829963	2861.152123169257	2861.152123169257	76.6066242356245	75.571909787016
527	159	17447	-23781.14133	89667.7170250766	39.33747582817135	-100.883484	337677.602450084	4355919.26047222	3083.726893024228	2935.200710097194	2859.5621621147042	2859.459816034048	75.7579097950173	75.8605549237152
528	159	17448	-23121.14133	89667.7170250766	39.337477429002654	-100.8811516	337878.62757435767	4355915.170368931	3080.950978	2933.874017352225	2857.844054941002	2857.695927231944	76.03234679462048	76.18042960367862
529	159	17449	-22461.14133	89667.7170250766	39.3374789478083	-100.8788193	338079.65254088916	4355911.260494792	3078.191276573398	2932.425283463445	2855.889646254746	2855.7761001345684	76.538418377901	76.64918323698653
530	159	17450	-21801.14133	89667.7170250766	39.337480495505815	-100.8764689	338280.673498822	4355907.250579609	3076.964089	2930.924079200982	2853.927509589129	2853.927509589129	77.11855986416791	77.11855986416791
531	159	17451	-21141.14133	89667.7170250766	39.33748196117763	-100.8741545	338481.720001541	4355904.231289982	3074.002416426826	2929.489446272815	2851.6188943799207	2851.4979437953016	77.87055219289414	77.99150277517523
532	159	17452	-20481.14133	89667.7170250766	39.33748331719637	-100.8718222	338682.72649607155	4355899.231977297	3073.984215874829	2927.999176469535	2848.91019	2848.8169489892264	79.08803739	79.18226602407
533	159	17453	-19821.14133	89667.7170250766	39.3374847376188	-100.8694898	338883.7508	4355885.222857748	3073.9480151064317	2926.491152747134	2845.989416	2845.989416	80.0173627143931	80.0173627143931
534	159	17454	-19161.14133	89667.7170250766	39.33748605787423	-100.8671575	339083.750145681	4355881.2313325	3073.9118143328262	2924.96376254564	2842.7935205759384	2842.7935205759384	81.1266677129341	81.1266677129341
535	159	17455	-18501.14133	89667.7170250766	39.33748737352341	-100.8648131	339283.750145681	4355878.2313325	3073.9118143328262	2924.96376254564	2842.7935205759384	2842.7935205759384	82.2354669	82.2354669
536	159	17456	-17841.14133	89667.7170250766	39.33748871373944	-100.8624928	339486.8229071058	4355883.196657828	3069.52017644863	2921.8432500805056	2838.9658770649	2839.050078508953	82.8566073385558	82.7923422261031
537	159	17457	-17181.14133	89667.7170250766	39.33748980902254	-100.8601604	339687.8466189759	4355876.138270362	3061.64148560348	2920.27472421567	2837.7464236317496	2837.7464236317496	83.6507378881718	83.20449035102211
538	159	17458	-16521.14133	89667.7170250766	39.3374909391913	-100.857828	339888.87015703614	4355875.180156734	3063.70245265833	2918.6250692243034	2836.43590227469	2836.678174	82.188478996342	81.9468952536325
539	159	17459	-15861.14133	89667.7170250766	39.33749206463842	-100.8554957	340089.8935745083	4355871.172195817	3061.644568	2916.975677037493	2834.95497607681	2835.294809152725	81.96806784476785	81.96806784476785
540	159	17460	-15201.14133	89667.7170250766	39.33749312483172	-100.8531633	340290.9160292143	4355867.164474978	3060.439806174341	2915.2881469024844	2833.3675540214354	2833.7618251200864	81.93009289104905	81.5362137
541	159	17461	-14541.14133	89667.7170250766	39.33749429345384	-100.8504505	340499.87205315	4355863.154562305	3058.07135896977	2913.391809711518	2830.7384041150955	2831.2240989117119	82.8545669	82.8545669
542	159	17462	-13881.14133	89667.7170250766	39.33749551005878	-100.8484986	340692.9628444126	4355860.19447493	3058.02302543032	2911.85517109656	2828.71477569974	2829.6849123527613	82.190180392551	82.190180392551
543	159	17463	-13221.14133	89667.7170250766	39.33749653025556	-100.8461633	340893.98562406295	4355855.124282311	3056.61360833408	2910.0886406164054	2827.846746	2828.2162931160474	82.184092819548	81.67234750035805
544	159	17464	-12561.14133	89667.7170250766	39.33749691507313	-100.8438339	341095.0082404021	4355851.35282711	3056.149683	2908.2869754674307	2826.678398322297	2827.028092473217	81.6088965320095	81.25888326
545	159	17465	-11901.14133	89667.7170250766	39.337497758005901	-100.8415015	341296.0308194893	4355847.12846231	3056.078056015177	2906.4500678889417	2825.761145228562	2826.1410067088	80.6889136603795	80.39096118091389
546	159	17466	-11241.14133	89667.7170250766	39.337498539875004	-100.8391692	341497.0531374592	4355843.181273068	3055.028425054526	2904.577877029161	2825.528485394245	2825.804567766896	79.93163373638	78.732140924019126
547	159	17467	-10581.14133	89667.7170250766	39.3374992460458	-100.8368368	341688.052975958	4355838.154562305	3055.076135596797	2902.669891578226	2823.9591958212858	2823.9591958212858	76.7195124876194	76.43038236869478
548	159	17468	-9921.14133	89667.7170250766	39.33749994463632	-100.8345405	341899.07205315	4355835.10220296	3054.781032992	2900.7261	2821.187801727417	2821.6871553	75.58271553	75.58271553
549	159	17469	-9261.14133	89667.7170250766	39.33750054	-100.8321721	342100.1191	4355830.10202447	3054.354231182025	2898.7464	2820.788557690997	2820.662891233547	75.0839329484549	75.0839329484549
550	159	17470	-8601.14133	89667.7170250766	39.33750124883976	-100.8296398	342301.140623969	4355827.097	3053.992782407	2896.731815856933	2820.77970474242	2820.595300427967	75.0341106265148	75.0341106265148
551	159	17471	-7941.14133	89667.7170250766	39.33750181347986	-100.8275074	342502.1624103506	4355823.091702335	3053.992782407	2894.686655702376	2824.680583584245	2825.435122003875	70.0607211813076	69.2513369850608
552	159	17472	-7281.14133	89667.7170250766	39.33750233009279	-100.825175	342703.1830537385	4355819.08627468	3052.9065638707084	2892.612262303086	2818.3042631496464	2818.606541	70.0479978066216	70.0479978066216
553	159	17473	-6621.14133	89667.7170250766	39.33750280750455	-100.8228427	342904.2050475682	4355815.10810117	3052.906324045317	2890.509378870951	2815.1607940978865	2815.1607940978865	73.348587170508493	73.348587170508493
554	159	17474	-5961.14133	89667.7170250766	39.3375032695336	-100.8205103	343105.2261371459	4355811.076	3051.692452450973	2888.3786	2811.264114368812	2811.264114368812	71.1147451750873	70.244110109305
555	159	17475	-5301.14133	89667.7170250766	39.3375037309768	-100.8181678	343306.246710315	4355807.1474778	3051.692452450973	2888.3786	2811.264114368812	2811.264114368812	71.1147451750873	70.244110109305
556	159	17476	-4641.14133	89667.7170250766	39.3375043069093	-100.8158456	343507.2678592083	4355803.96391947	3042.6622019937316	2884.04308829673	2813.3302619413	2813.3302619413	70.1072046	69.397324304027
557	159	17477	-3981.14133	89667.7170250766	39.33750485249792	-100.8135133	343708.2885	4355799.061905971	3041.834354046846	2889.616255362703	2809.88514043269627</			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
1	157559	5013.85867307335	89667.3170250766	39.337375070736364	-100.6222601	40191.4828643719	4355471.349702973	2863.6051302528526	1718.334839082548	2673.610599599738	2672.2646195424313	44.72423948280935	46.070219540116796
640	15760	5176.85867307335	89667.3170250766	39.33737162561599	-100.6199278	360392.4951995781	4355467.361199281	2680.524764616017	1717.1751021200434	2673.074882506599	2670.9306381194065	44.10021951344455	46.22446040063366
641	15761	5145.85867307335	89667.3170250766	39.33737358144426	-100.619694	361799.54869318917	4355483.928887793	2716.017819442098	1716.017819442098	2673.1248914112133	2669.492178087616	44.30068225647198	46.53861225647198
642	15762	5211.85867307335	89667.3170250766	39.33736400215494	-100.6152631	360794.5086544719	4355459.384706944	2654.372832	1714.8613915262913	2669.348533769238	2667.957273751131	45.0128673393318	46.90411781141802
643	15763	5277.85867307335	89667.3170250766	39.337361019936004	-100.6129307	360995.516821234	4355455.396841383	2853.531519600874	1713.699142031083	2666.120032386814	2665.6569716353265	45.0791096320417	48.0421703957635
644	15764	5343.85867307335	89667.3170250766	39.3373573460354	-100.6105984	361196.525107547	4355451.490106443	2854.9653536131	1712.528704551274	2662.4906235147	2662.8004552516437	45.043781552516437	49.0347551221995
645	15765	5408.85867307335	89667.3170250766	39.33735372421817	-100.608266	361397.5332717134	4355447.421563698	2856.321334546536	1711.3841087192589	2658.778044045633	2659.21348192589	45.0791096320417	52.13488943050675
646	15766	5478.85867307335	89667.3170250766	39.3373500077992	-100.6059337	361598.541160959	4355444.432419055	2857.716237030945	1710.1569976692949	2654.7514373803767	2653.30296793028	45.05206602032835	56.8537296338156
647	15767	5541.85867307335	89667.3170250766	39.3373466288725	-100.603619	361799.54869318917	4355459.384706944	2708.95774654524	1709.5719774233868	2650.9345484592	2648.926583119328	45.05206602032835	58.5836984546684
648	15768	5607.85867307335	89667.3170250766	39.33734244744535	-100.601269	362000.556120733	4355445.400828258	2857.82568684235	1707.741763199306	2649.927235490974	2646.59115242019	45.0145047038334	61.15064795
649	15769	5678.85867307335	89667.3170250766	39.33733852147674	-100.5989368	362201.56413781387	4355443.347314063	2857.82568684235	1706.5717036996239	2643.976338975339	2643.976338975339	45.0145047038334	63.221302336345
650	15770	5739.85867307335	89667.3170250766	39.3373346649747	-100.5966043	362402.57153061737	4355427.486713985	2857.82568684235	1705.2834622598	2642.39082168886	2641.8305418496243	45.0145047038334	63.4526209263645
651	15771	5805.85867307335	89667.3170250766	39.3373307579504	-100.594272	362603.578906872	4355426.500340222	2856.23621265404	1704.0393637892666	2639.716036050745	2639.716036050745	45.0145047038334	64.82293718356217
652	15772	5871.85867307335	89667.3170250766	39.3373267039338	-100.5919396	362804.5899182298	4355419.51411458	2855.0125755168	1702.782763	2633.67161693472	2633.214048981422	45.0145047038334	69.15010857879
653	15773	5937.85867307335	89667.3170250766	39.33732274	-100.5896073	363005.5929134486	4355418.28138395	2853.78892805963	1701.527106896096	2630.72009820556	2630.72009820556	45.0145047038334	69.25928985
654	15774	6003.85867307335	89667.3170250766	39.337318633360364	-100.5872749	363206.5997765489	4355411.54224716	2852.565247956878	1700.2590425867	2628.471791950208	2628.471791950208	45.0145047038334	71.76202467
655	15775	6069.85867307335	89667.3170250766	39.3373145426534	-100.5849426	363407.60650773626	4355407.55670115	2848.93249100528	1698.9843801981	2628.0912704568413	2635.45648464649	45.0145047038334	72.8930783313975
656	15776	6135.85867307335	89667.3170250766	39.3373103764832	-100.5826102	363608.6137012752	4355403.71272384	2847.891991600454	1697.7917988174	2624.7476081183686	2628.30394894071	45.0145047038334	73.9901690905756
657	15777	6201.85867307335	89667.3170250766	39.33730616546842	-100.5802779	363809.61867519094	4355399.5609603175	2836.850130018697	1696.4370861831	2625.9196562801086	2625.9196562801086	45.0145047038334	70.7361517290417
658	15778	6267.85867307335	89667.3170250766	39.3373019039571	-100.5779455	364010.62591186794	4355396.60906863	2835.809099996967	1695.11861212441	2628.2692578514876	2625.61615158116	45.0145047038334	69.0219603712696
659	15779	6338.85867307335	89667.3170250766	39.3372987603938	-100.5756132	364211.6321714496	4355391.616137298	2825.58658987418	1693.81479593637	2628.0912704568413	2628.0912704568413	45.0145047038334	73.9901690905756
660	15780	6398.85867307335	89667.3170250766	39.33729320209186	-100.5732086	364412.6381921457	4355387.61479594	2825.58658987418	1692.5112537489	2623.9149430964787	2627.540751432763	45.0145047038334	69.472327039
661	15781	6458.85867307335	89667.3170250766	39.33728850210423	-100.5708614	364613.645790278	4355383.18637338	2789.951962907833	1691.5133030677	2623.9149430964787	2627.540751432763	45.0145047038334	71.76202467
662	15782	6518.85867307335	89667.3170250766	39.33728443547616	-100.5686162	364814.649496986	4355379.6279321	2812.245540050382	1689.8812039657	2623.9149430964787	2627.540751432763	45.0145047038334	72.8930783313975
663	15783	6578.85867307335	89667.3170250766	39.337279524809	-100.5662838	365015.6556329505	4355375.67840415	2808.568915088582	1688.930383529793	2628.53402557705	2628.53402557705	45.0145047038334	60.0347125211841
664	15784	6638.85867307335	89667.3170250766	39.3372752685059	-100.5639515	365216.6611814067	4355371.69470508	2801.136620610563	1687.2453845563014	2631.6177555881186	2627.93209206526	45.0145047038334	61.3074813466873
665	15785	6698.85867307335	89667.3170250766	39.337271058540384	-100.5616191	365417.666094678	4355367.771	2801.136620610563	1686.25393761458104	2629.5293671458104	2629.5293671458104	45.0145047038334	62.9035928736855
666	15786	6758.85867307335	89667.3170250766	39.3372662389135	-100.5592868	365618.67103013566	4355363.72740051	2801.136620610563	1685.24846958141	2628.712789736673	2627.93209206526	45.0145047038334	62.9035928736855
667	15787	6818.85867307335	89667.3170250766	39.3372617335517	-100.5569654	365819.6770673027	4355359.18422863	2801.136620610563	1684.24846958141	2628.712789736673	2627.93209206526	45.0145047038334	64.82293718356217
668	15788	6878.85867307335	89667.3170250766	39.3372572685059	-100.5546276	366020.6819571574	4355356.710770278	2801.136620610563	1683.24846958141	2628.712789736673	2627.93209206526	45.0145047038334	65.8537296338156
669	15789	6938.85867307335	89667.3170250766	39.33725211911181	-100.5522898	366221.68700823863	4355351.781638206	2798.219048708058	1682.03388750224	2626.1588034490664	2626.1588034490664	45.0145047038334	67.9458530815746
670	15790	6998.85867307335	89667.3170250766	39.33724732240583	-100.5499574	366422.6917853203	4355347.79542308	2798.219048708058	1681.76380435863	2625.76913804	2624.816724765596	45.0145047038334	59.477096889476
671	15791	7058.85867307335	89667.3170250766	39.337242480647156	-100.5476251	366623.696437677	4355343.81827731	2793.842848414371	1680.7831804404356	2625.8212570585363	2624.816724765596	45.0145047038334	68.344036365154
672	15792	7118.85867307335	89667.3170250766	39.337237393835766	-100.5452927	366824.7096337576	4355339.831	2779.219048708058	1679.761380435863	2625.76913804	2624.816724765596	45.0145047038334	69.477096889476
673	15793	7178.85867307335	89667.3170250766	39.3372326196923	-100.5429904	367025.7054455027	4355335.84837368	2774.5867248459526	1678.761380435863	2625.76913804	2624.816724765596	45.0145047038334	71.76202467
674	15794	7238.85867307335	89667.3170250766	39.3372281052041	-100.5406614	367226.7691907828	4355331.8637338	2769.951962907833	1677.5133030677	2623.9149430964787	2627.540751432763	45.0145047038334	72.8930783313975
675	15795	7298.85867307335	89667.3170250766	39.33722360926	-100.5383267	367427.713842538	4355327.88496163	2768.01820901528	1676.2517843150214	2620.709351146444	2620.709351146444	45.0145047038334	73.9901690905756
676	15796	7358.85867307335	89667.3170250766	39.337219060682	-100.5359634	367628.7176530968	4355319.90301575	2768.01820901528	1675.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	75.0645307392
677	15797	7418.85867307335	89667.3170250766	39.337214267851	-100.533631	367829.7217345376	4355315.922	2766.850203932065	1674.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	76.1380435863
678	15798	7478.85867307335	89667.3170250766	39.337209368506	-100.5312987	368030.7255	4355315.922	2766.850203932065	1673.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	77.2380435863
679	15799	7538.85867307335	89667.3170250766	39.33720212467851	-100.5289664	368231.7291150383	4355311.95938712	2766.850203932065	1672.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	78.30435863
680	15800	7598.85867307335	89667.3170250766	39.3371967744582	-100.526634	368432.735150025	4355307.597	2766.850203932065	1671.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	79.3761380435863
681	15801	7658.85867307335	89667.3170250766	39.33719182472255	-100.5243018	368633.736898074	4355303.1829426	2766.850203932065	1670.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	80.447230435863
682	15802	7718.85867307335	89667.3170250766	39.33718642782255	-100.5219693	368834.739353308	4355300.017400524	2766.850203932065	1669.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	81.51515151515151
683	15803	7778.85867307335	89667.3170250766	39.3371808654199	-100.519637	369035.7326420536	4355296.307243842	2766.850203932065	1668.76138282067	2620.709351146444	2620.709351146444	45.0145047038334	82.5826000519721
68													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBotKgr.f	SatHtKgr.f	SatHtBoth.f
25	16	17685	-35501.1413	897337.3172050766	39.33279700451762	-102.054284	236742.83801340562	4358158.206720578	3921.275662377287	3744.5044438852487	3684.6658415217917	3685.226303	59.2781047038995	
26	16	17686	-35444.1413	897337.3172050766	39.33282122051224	-102.054182	236943.968277194	4358154.08413391	3919.7961105396475	3742.308358	3680.527145	3680.9465052966	61.94454167122853	
27	16	17687	-35379.1413	897337.3172050766	39.33284581410864	-102.04968	237145.978123692	4358149.990320338	3919.12082771596557	3741.28713263347	3679.5255893327	3679.5255893327	64.2834153498969	
28	16	17688	-35312.1413	897337.3172050766	39.3328695127642	-102.047288	236742.968277194	4358148.862390553	3919.6395160719056	3739.6395160719056	3678.757596	3678.757596	65.681102076954	
29	16	17689	-35246.1413	897337.3172050766	39.33289358086188	-102.044564	237547.35656071046	4358141.774674886	3914.7367673869353	3737.965897116454	3672.115871	3672.62827932961	66.256467264554	65.3776148238419
30	16	17690	-35180.1413	897337.3172050766	39.3329176358422	-102.042466	237748.9047907622	4358130.761166818	3912.50761166818	3736.2602831521	3671.4619387122984	3673.0841180577604	64.80408691	63.1828102367053
31	16	17691	-35114.1413	897337.3172050766	39.33294162459631	-102.0408292	237949.6142914527	4358133.56	3910.240849292	3734.546644889276	3671.8711410727063	3674.309960121674	62.6750316617346	60.2368465218361
32	16	17692	-35048.1413	897337.3172050766	39.3329657028422	-102.03796	23810.74274407816	4358124.45270878	3907.587610473255	3732.811486344093	3673.1898981608265	3675.981543232368	59.461158818	62.829493117378974
33	16	17693	-34982.1413	897337.3172050766	39.33298947902865	-102.035628	238351.8708714226	4358125.945781725	3907.587610473255	3732.811486344093	3673.1898981608265	3675.981543232368	61.7238476175509	
34	16	17694	-34916.1413	897337.3172050766	39.33301332655318	-102.033259	238522.9889708518	4358121.239051768	3902.75565352386	3729.946798237018	3673.1216853598	3676.253904481497	63.57255768313926	61.7238476175509
35	16	17695	-34850.1413	897337.3172050766	39.33303713709414	-102.0309638	238754.1265440487	4358117.13218995	3898.222903586042	3727.537717298044	3673.88335130389	3672.2579786417814	55.27975418219025	
36	16	17696	-34784.1413	897337.3172050766	39.3330609261267	-102.0286319	238955.25396102277	4358110.02613811	3892.7737179103	3725.765274922786	3673.6521388442037	3672.127059	52.11310907952421	53.6381884487605
37	16	17697	-34718.1413	897337.3172050766	39.33308462308877	-102.026299	239156.3811778962	4358108.0260407425	3887.345323217906	3723.889682664714	3673.044682976766	3671.653444534345	50.94051287950225	52.33625381303682
38	16	17698	-34652.1413	897337.3172050766	39.333108285238	-102.0239679	239357.580162365	4358104.14103283	3881.875346512098	3722.213698331489	3671.37958415436	3670.97178924062	50.87573916053136	52.13451940746245
39	16	17699	-34586.1413	897337.3172050766	39.33313192913424	-102.021639	239585.6384662488	4358100.70585918	3876.852162381098	3720.439491541809	3668.4716812815657	3667.0944153677764	51.9678102802316	53.34507740740239
40	16	17700	-34520.1413	897337.3172050766	39.3331551426189	-102.0193308	239750.761038137	4358096.002811649	3872.254871761945	3718.687359112707	3665.381356117466	3662.143042	53.28737973904575	56.52569412780809
41	16	17701	-34454.1413	897337.3172050766	39.333179054677115	-102.0168178	239960.882	4358092.49741466	3867.6576171428032	3716.9370993641	3661.496415099723	3657.195112908258	53.4573939397815	59.7086619
42	16	17702	-34388.1413	897337.3172050766	39.33320254983087	-102.0146398	240162.013028367	4358088.329308362	3863.06036252361	3715.147005953773	3657.392091471237	3657.1152679450913	57.75406448852755	64.03437651
43	16	17703	-34322.1413	897337.3172050766	39.33322600051283	-102.0123078	240363.13863712222	4358084.287	3859.92344699815	3713.404149604812	3653.34058141209	3645.961333440409	60.9595680850049	67.43851646
44	16	17704	-34256.1413	897337.3172050766	39.33324940522893	-102.0099757	240564.2638578436	4358080.182933615	3857.136736712624	3711.664530067774	3649.132795796568	3640.4906253613754	62.135173120604	71.1395603693988
45	16	17705	-34190.1413	897337.3172050766	39.3332727633679	-102.0076437	240765.3891	4358076.07803456	3856.570532467133	3709.942559954747	3645.084790290406	3637.0627174829587	64.076439660409	73.87528151248898
46	16	17706	-34124.1413	897337.3172050766	39.33329604045577	-102.0053117	240966.5136204178	4358071.574	3854.894061461462	3708.236579454845	3640.9608467008748	3631.101357182315	67.275373561372	75.1352223361669
47	16	17707	-34058.1413	897337.3172050766	39.33331936910985	-102.0029791	241167.6380119547	4358067.88948792	3853.724015078911	3698.97328941815	3638.475287128645	3625.1854081811726	69.591300221891	76.42358233300884
48	16	17708	-33992.1413	897337.3172050766	39.33334575511004	-102.0006476	241368.7628254914	4358063.765259019	3854.613973822159	3704.820335340924	3630.881953572448	3621.5814103895677	70.0030939616423	83.0062314
49	16	17709	-33926.1413	897337.3172050766	39.33336955474176	-101.9983156	241569.888935245	4358057.61754281	3853.283203043355	3703.273983085026	3627.422609	3618.44471938353	74.81537485692243	84.7905848814925
50	16	17710	-33860.1413	897337.3172050766	39.33338890349296	-101.9959386	241771.0107054903	4358055.58177566	3855.358197862554	3701.618829421777	3624.154743044184	3616.075324366746	77.46408679823344	85.543504457308
51	16	17711	-33794.1413	897337.3172050766	39.333411880271315	-101.9936515	241972.134261594	4358051.45479787	3856.582864967397	3700.06274680868	3621.273371570792	3614.167053136015	78.5103720727678	85.151085475583
52	16	17712	-33728.1413	897337.3172050766	39.33343502510524	-101.991319	242173.257620414	4358047.35165181	3858.66014839889	3698.461596055714	3619.0621877699297	3613.9334477293044	79.3994132872625	84.5281483
53	16	17713	-33662.1413	897337.3172050766	39.33345864285961	-101.9888784	242374.3860730743	4358043.98888784	3858.72415078911	3698.97328941815	3618.475287128645	3625.1854081811726	81.545081811726	90.691300221891
54	16	17714	-33596.1413	897337.3172050766	39.333480979643525	-101.986554	242573.5033678905	4358039.145804181	3858.414584109789	3698.461596055714	3617.47822172852	3617.01214768916	82.16415190710437	93.3491845393786
55	16	17715	-33530.1413	897337.3172050766	39.3335038934782	-101.9843234	242776.6293015017	4358030.43249119	3864.47187041815	3693.50421782275	3614.308184845185	3603.738892168046	83.95653693709013	90.56882856547047
56	16	17716	-33464.1413	897337.3172050766	39.33352675400815	-101.9819193	242977.7842113777	4358025.301	3865.700292198933	3692.500340326478	3610.438675503773	3599.728625647938	92.0617277924864	92.72751368233054
57	16	17717	-33398.1413	897337.3172050766	39.33354957362648	-101.9796593	243178.70326624	4358026.8386567	3866.94533979143	3691.082878568695	3598.902248953696	3598.322630995617	92.71645646	92.7604886102772
58	16	17718	-33332.1413	897337.3172050766	39.33357234827007	-101.9773272	243379.9200745198	4358023.7665915	3868.18365704983	3689.69220815981	3598.208352778952	3597.462303162811	91.4838603730628	92.0160655317722
59	16	17719	-33266.1413	897337.3172050766	39.33359507716378	-101.9750822	243581.1153249094	4358018.63482116	3867.48230328943	3688.263688776283	3597.35871277239044	3597.48230328943	90.9691409172198	91.17813058726584
60	16	17720	-33200.1413	897337.3172050766	39.3336178221898	-101.9728361	243792.246765497	4358014.2565497	3868.724015078911	3698.97328941815	3618.475287128645	3625.1854081811726	93.3491845393786	96.091300221891
61	16	17721	-33134.1413	897337.3172050766	39.333640014168284	-101.9703321	243983.3597544527	4358010.43183376	3862.10356360298	3685.467299475815	3598.48892436175	3594.8742343853968	90.1484020436791	90.7285559454722
62	16	17722	-33068.1413	897337.3172050766	39.3336629606316	-101.967999	244184.4765005325	4358006.33022424	3859.423973415464	3684.327808269306	3594.2266834752995	3592.437369727373	90.100973516312	91.8894132269337
63	16	17723	-33002.1413	897337.3172050766	39.33368564541987	-101.965667	244385.5970524248	4358002.22960408	3858.33873175463	3683.015658389534	3593.1082251478424	3590.22171186147	92.9452732209351	92.71637368233054
64	16	17724	-32936.1413	897337.3172050766	39.33370804973292	-101.9633349	244586.7130102674	4357998.129	3857.2732843864	3681.71063838151	3591.41976163401	3587.862540550956	90.29082747	93.8480909
65	16	17725	-32870.1413	897337.3172050766	39.33373059002315	-101.9610208	244787.8372966434	4357994.0281655	3856.732862597724	3680.408258414238	3589.959715640393	3587.442329219794	90.3483117088648	95.3808138925636
66	16	17726	-32804.1413	897337.3172050766	39.33375292327976	-101.9586708	244988.9167048336	4357989.52739904	3856.1908	3679.10540005327	3587.910584713317	3587.442329219794	91.1349703	97.05864302699547
67	16	17727	-32738.1413	897337.3172050766	39.3337752329086	-101.9563878	245176.6380119547	4357985.428	3857.24015078911	3698.97328941815	3618.475287128645	3625.1854081811726	93.3491845393786	96.091300221891
68	16	17728	-32672.1413	897337.3172050766	39.33379765547176	-101.9540067	245391.195767456	4357981.72748011	3856.1908	3679.10540005327	3587.910584713317	3587.442329219794	91.1349703	97.05864302699547
69	16	17729	-32606.1413	897337.3172050766	39.3338198564212	-101.9516746	245592.314753380	4357977.628	3853.0470951122493	3675.1581264760275	3681.0917192692846	3574.672666101244	94.06640726074295	100.465406090314
70	16	17730	-32540.1413	897337.3172050766	39.33384212969427	-101.9493425	245793.43348715908	4357						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtBoth.ft	SatHtBoth.ft
151	160	17181	-27194.1413	897337.3170250766	39.3549349	-01.7604408	26208.2332544282	4537642.111	3716.6171202132064	3512.6937448074003	3439.0727900453226	3439.3574812919974	73.32636361540291
152	160	17181	-27218.1413	897337.3170250766	39.3551203539161	-01.7581408	26284.2326260893	4537638.027056999	3715.3227573531053	3512.7362362374	3436.280167313056	3437.299219127411	74.45606633
153	160	17181	-27261.1413	897337.3170250766	39.3553053689166	-01.7567766	26305.4056443618	4537638.027056999	3714.03354923916	3512.7362362374	3436.280167313056	3437.299219127411	74.45606633
154	160	17181	-26996.1413	897337.3170250766	39.35548979076604	-01.7534443	26266.528675861	4537638.027056999	3712.741411755524	3506.848086909027	3425.4904245370726	3425.59516310003	81.29322268089436
155	160	17181	-26930.1413	897337.3170250766	39.3556738425285	-01.7511211	26287.6263604804	4537625.77687439	3711.452764840251	3504.994654	3424.47168745313	3424.506898	84.0876656042019
156	160	17181	-26864.1413	897337.3170250766	39.35585744378875	-01.7487799	26308.7747022134	4537625.77687439	3710.17633046231	3503.1304038292606	3424.857517184646	3424.984823252799	78.27281864
157	160	17181	-26798.1413	897337.3170250766	39.3560406945764	-01.7464478	26329.82297301404	4537617.61420687	3708.88184243879	3501.2879651450531	3425.3017073732995	3425.399107120608	75.9029748418436
158	160	17181	-26732.1413	897337.3170250766	39.35622239489105	-01.7441156	26340.919736350014	4537613.530081714	3707.598381848468	3499.4819243235593	3424.536023158531	3424.3077985386817	74.5950116520382
159	160	17181	-26661.1413	897337.3170250766	39.3564054477255	-01.7417854	26360.1668987053	4537608.471839003	3706.78089581654	3495.848694857412	3422.757805158672	3422.80249819368	74.5950116520382
160	160	17181	-26601.1413	897337.3170250766	39.35658724411905	-01.7394512	26383.113681194	4537605.35699514	3705.43568195584	3495.941770871712	3420.5611562591975	3420.5611562591975	74.5950116520382
161	160	17181	-26534.1413	897337.3170250766	39.356768930844	-01.737119	26404.20153383785	4537601.284204031	3704.088327133783	3494.2114898986656	3418.08312953571	3417.91709451457	74.5950116520382
162	160	17181	-26468.1413	897337.3170250766	39.3569499150416	-01.7347869	26425.20369670356	4537597.20268238	3703.7435974475666	3492.50682514556	3415.866281250446	3415.866281250446	74.5950116520382
163	160	17181	-26401.1413	897337.3170250766	39.3571300394487	-01.7324547	26446.4032	4537593.12132881	3704.8137	3490.82552130334	3414.394743238287	3414.394743238287	74.5950116520382
164	160	17181	-26336.1413	897337.3170250766	39.3573103691876	-01.7301225	26469.9491338913	4537589.04016704	3703.5264914925294	3489.166914925294	3413.26819099129	3413.26819099129	74.5950116520382
165	160	17181	-26270.1413	897337.3170250766	39.3574895891333	-01.7277903	26488.94986872505	4537584.59201761	3701.873918188725	3487.330121795933	3412.003564211934	3411.5995687947807	74.5950116520382
166	160	17181	-26204.1413	897337.3170250766	39.357668904321	-01.7254181	26509.69037132495	4537580.87432666	3700.391102422475	3485.914568117783	3410.43432898073	3409.8810260147	74.5950116520382
167	160	17181	-26138.1413	897337.3170250766	39.3578471326475	-01.7231259	26530.7807859	4537576.79859776	3698.87210710591	3484.9182855314746	3408.639595189488	3408.110625422826	74.5950116520382
168	160	17181	-26072.1413	897337.3170250766	39.3580255204164	-01.7207937	26551.800686488	4537572.717	3697.305573051215	3482.74332726208	3406.50397837429	3406.112560144853	74.5950116520382
169	160	17181	-26006.1413	897337.3170250766	39.3582032671314	-01.7184615	26572.9758477831	4537568.637	3696.7383359639	3481.181693385916	3404.25651032996	3403.9491459119323	74.5950116520382
170	160	17181	-25940.1413	897337.3170250766	39.35838356617443	-01.7161294	26590.4700635055	4537564.557318243	3694.171897339628	3479.637251382723	3401.980604219552	3401.825225939385	74.5950116520382
171	160	17181	-25874.1413	897337.3170250766	39.35856750587995	-01.7139792	266105.1640802277	4537560.478	3692.399264058916	3476.94254636875	3399.7743049326533	3399.7743049326533	74.5950116520382
172	160	17181	-25808.1413	897337.3170250766	39.358737395376	-01.7114465	26630.2565215394	4537560.39738101	3690.42480138905	3476.38449505701	3397.427728074113	3397.357163785105	74.5950116520382
173	160	17181	-25742.1413	897337.3170250766	39.3589166441453	-01.7089136	26650.3240973683	4537560.39738101	3688.498591581654	3474.03498591581654	3395.498591581654	3395.498591581654	74.5950116520382
174	160	17181	-25676.1413	897337.3170250766	39.35905025341896	-01.7069006	26670.404550393	4537549.32349545	3686.495391382524	3473.577883491585	3391.120682756506	3390.821719349394	74.5950116520382
175	160	17181	-25610.1413	897337.3170250766	39.35926027746145	-01.7044684	26690.53947813005	4537544.16033997	3684.818904589048	3472.0885536258	3389.5815325101453	3389.4423082111595	74.5950116520382
176	160	17181	-25544.1413	897337.3170250766	39.3594346993853	-01.7021362	267110.6327	4537540.081531664	3679.307156014043	3470.608203638594	3387.457768555814	3387.374831862259	74.5950116520382
177	160	17181	-25478.1413	897337.3170250766	39.359600106487	-01.6999804	26731.1267312986	4537536.00220398	3675.195407437669	3469.134594892763	3384.741459508185	3384.593939969837	74.5950116520382
178	160	17181	-25412.1413	897337.3170250766	39.3597827014343	-01.6974718	267512.8186312456	4537531.924050522	3671.083658612847	3467.667321329756	3382.794199587074	3382.657514075022	74.5950116520382
179	160	17181	-25346.1413	897337.3170250766	39.35995864173816	-01.6951368	267713.90177225	4537529.340497861	3668.248817875847	3465.207268848904	3381.57589689404	3381.57589689404	74.5950116520382
180	160	17181	-25280.1413	897337.3170250766	39.3601287319633	-01.6928074	267915.03329305	4537527.76263205	3666.609381164549	3463.79276871485	3380.781591757525	3380.781591757525	74.5950116520382
181	160	17181	-25214.1413	897337.3170250766	39.36030010700714	-01.6904752	268116.950182402	4537519.60344687	3665.137950543487	3463.3017245273936	3379.7542533301756	3379.8741606354926	74.5950116520382
182	160	17181	-25148.1413	897337.3170250766	39.3604729597696	-01.688143	26831.1869965374	4537516.81280575	3661.87515782285	3461.87515782285	3378.642001981503	3378.642001981503	74.5950116520382
183	160	17181	-25082.1413	897337.3170250766	39.3606443981509	-01.6858107	268518.278582196	4537511.53537119	3661.557753043648	3460.450806308217	3378.882312911924	3377.074833352747	74.5950116520382
184	160	17181	-25016.1413	897337.3170250766	39.360811368055	-01.6834785	26879.16939404484	4537507.058132558	3659.07515873473	3459.037692586458	3378.844472843409	3375.103926584545	74.5950116520382
185	160	17181	-24950.1413	897337.3170250766	39.3609895254683	-01.6811463	26902.4610698487	4537503.381	3656.572564702973	3457.63763	3377.032464741654	3373.38593403868	74.5950116520382
186	160	17181	-24884.1413	897337.3170250766	39.361156104036	-01.6788141	26921.601777225	4537499.340497861	3654.071997633215	3455.250773802	3375.45680750024	3371.96733127749	74.5950116520382
187	160	17181	-24818.1413	897337.3170250766	39.361325656561	-01.6764819	26942.6243637626	4537495.27693276	3652.468171306145	3453.07836761243	3374.959725265405	3374.959725265405	74.5950116520382
188	160	17181	-24752.1413	897337.3170250766	39.361494382529	-01.6741497	269623.730393171	4537491.15138958	3651.053961728903	3453.530229368347	3374.842952574482	3374.842952574482	74.5950116520382
189	160	17181	-24686.1413	897337.3170250766	39.3616635683124	-01.6718175	269724.823072473	4537487.07488083	3649.678465461528	3452.199737160017	3374.842952574482	3374.842952574482	74.5950116520382
190	160	17181	-24620.1413	897337.3170250766	39.3618318351354	-01.6694853	269925.9132978725	4537482.98818443	3648.692362139356	3450.891186288576	3374.842952574482	3374.842952574482	74.5950116520382
191	160	17181	-24554.1413	897337.3170250766	39.361996878343	-01.667153	27017.003614047	4537478.93	3647.244556427	3449.611543728572	3373.698421703268	3369.77739310994	74.5950116520382
192	160	17181	-24488.1413	897337.3170250766	39.362176718914	-01.6648208	27032.9525980417	4537474.6728038	3646.05291159724	3448.362081159724	3373.698421703268	3369.77739310994	74.5950116520382
193	160	17181	-24422.1413	897337.3170250766	39.3623565048488	-01.6624819	27053.2709914583	4537466.6959693	3644.35772	3445.95247042716	3373.698421703268	3369.77739310994	74.5950116520382
194	160	17181	-24356.1413	897337.3170250766	39.3625365048488	-01.6601564	27074.2709914583	4537466.6959693	3644.35772	3445.95247042716	3373.698421703268	3369.77739310994	74.5950116520382
195	160	17181	-24290.1413	897337.3170250766	39.3627165048488	-01.6578242	27093.3598484636	4537462.4475116	3641.965640729606	3444.74948480158	3373.698421703268	3369.77739310994	74.5950116520382
196	160	17181	-24224.1413	897337.3170250766	39.3628923105945	-01.655492	27113.424847696	4537458.1466332	3640.537492761332	3443.6832862194	3373.698421703268	3369.77739310994	74.5950116520382
197	160	17181	-24158.1413	897337.3170250766	39.3630692374784	-01.6531597	27133.5368805217	4537454.4781134	3638.10404479418	3442.57416154539	3373.698421703268	3369.77739310994	74.5950116520382
198	160	17181	-24092.1413	897337.3170250766	39.36324911	-01.6508275	27154.6236604146	4537450.397	3637.67309682533	3441.508461166428	3373.698421703268	3369.77739310994	74.5950116520382
199	160	17181	-24026.1413	897337.3170250766	39.363428165273	-01.6484865	27175.7138197519	4537446.2307856	3636.9447268594	3440.4978	3373.698421703268		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVLogsKrg	BRIEVBothKrg	Stat	BothKrg
277	16197	-188781.1413	897337.3170250766	39.337447816323365	-101.4665788	287419.89856682	4357129.13084093	3492.717004770775	3326.512716893268	3264.253035568476	3264.4415034539807	72.25741333642054	72.0711234382748
278	16198	-188121.1413	897337.3170250766	39.337468760452355	-101.4642465	287620.9666777327	4357125.071439305	3490.888957	3335.077343171227	3261.2543811196565	3261.976884137225	73.10045896959752	73.0045896959752
279	16199	-188501.1413	897337.3170250766	39.33750046963047	-101.4618142	287822.3276007975	4357127.00845978	3487.98804594784	3334.316490321454	3258.6588854937	3258.6588854937	73.0080179	73.0080179
280	16200	-186901.1413	897337.3170250766	39.3375137355769	-101.4595819	288023.1076349842	4357116.955052777	3483.9019811110415	3333.572357592957	3254.753397355865	3254.753397355865	71.899761737038	71.899761737038
281	16201	-186141.1413	897337.3170250766	39.337526	-101.4572496	288224.1778005818	4357112.8967573	3480.003408	3332.8380391709075	3248.366472785687	3252.216203148762	71.561169233874	71.561169233874
282	16202	-185481.1413	897337.3170250766	39.33753866645935	-101.4549173	288425.2478	4357108.38737019	3476.01479197199	3332.1098943645648	3245.918042310434	3251.666118586195	86.19100913352136	86.19100913352136
283	16203	-184821.1413	897337.3170250766	39.3375513533373	-101.452585	288626.3175067419	4357104.78073659	3471.23136504875	3331.385005056991	3245.4880748101394	3253.7685969178264	85.89690051957693	85.795864697
284	16204	-184161.1413	897337.3170250766	39.33756391915711	-101.4502527	288827.3870471583	4357100.72305632	3469.52111208729	3330.6611787739585	3246.0021065518006	3253.07389178605	86.84358902221578	86.84358902221578
285	16205	-183501.1413	897337.3170250766	39.33757646782947	-101.4478264	289026.4566828934	4357096.8857329257	3467.70084527399	3329.638695368947	3246.505034268281	3253.58319058197	86.43177110066563	86.43177110066563
286	16206	-182841.1413	897337.3170250766	39.33758897156581	-101.4455891	289228.525056475	4357092.60485547	3465.526905328716	3328.210724221927	3246.6915849494794	3251.400351452684	86.2837537	86.2837537
287	16207	-182181.1413	897337.3170250766	39.33760143032107	-101.4432558	289430.5944264755	4357088.551373474	3460.711067638987	3326.4821045081976	3246.293126842737	3247.09630502307	82.1889753623268	81.8571386816068
288	16208	-181521.1413	897337.3170250766	39.33761384	-101.4409235	289631.663253648	4357084.4944868	3458.13826507148	3327.7503412415563	3246.4818327712774	3246.009550668385	82.2685084	81.74079057319676
289	16209	-180861.1413	897337.3170250766	39.33762621251443	-101.4389911	289832.73173968843	4357080.34793212	3455.5454423851434	3327.014966688656	3243.962042055582	3245.98967832818	82.052043328351	82.052043328351
290	16210	-180201.1413	897337.3170250766	39.3376380331356	-101.436258	290033.800369598	4357076.381297029	3452.95628695152	3326.275575	3241.5922577788126	3241.5886497719937	81.58664121254707	81.58664121254707
291	16211	-179541.1413	897337.3170250766	39.337650814497096	-101.433265	290234.8681276653	4357072.324996122	3450.68579535986	3325.532012393716	3238.4678816084215	3238.688153448179	80.6431707825941	80.6431707825941
292	16212	-178881.1413	897337.3170250766	39.3376634791165	-101.4315842	290435.03601201184	4357068.26890489	3448.74489790594	3324.78796468439	3234.368550607556	3234.658367447481	80.4193277571254	80.4193277571254
293	16213	-178221.1413	897337.3170250766	39.33767526274976	-101.4292619	290637.0036920295	4357064.21280116	3446.840152753234	3324.04978801611	3229.6110201234867	3230.279948369973	80.764878926233	80.764878926233
294	16214	-177561.1413	897337.3170250766	39.33768738	-101.4269296	290838.071624455	4357060.157265005	3443.831326450504	3323.3171259219653	3224.034460796964	3224.0236	92.282651129688	90.293497015846
295	16215	-176901.1413	897337.3170250766	39.33769948	-101.4245973	291038.1384899323	4357056.107451445	3442.041181867316	3322.5890245933624	32197.26580910593	3219.338434631035	81.60393528276963	81.60393528276963
296	16216	-176241.1413	897337.3170250766	39.3377115305758	-101.422265	291240.204589426	4357052.04642053	3438.338162430637	3321.8642681364363	3215.030465915473	3213.92948820252	106.8330222096321	107.9341391816443
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299	16219	-174261.1413	897337.3170250766	39.33774762037849	-101.4152474	291845.5799231485	4357039.45815989	3427.70084527399	3319.683592430687	3220.759426209347	3224.02408219444	91.385101789292	91.385101789292
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301	16221	-172941.1413	897337.3170250766	39.3377712133561	-101.4106034	292245.53771879563	4357031.77225777	3422.055337	3318.2927345537023	3240.489449738045	3240.251563123363	77.7502398138977	77.7502398138977
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306	16226	-169641.1413	897337.3170250766	39.3378290423707	-101.3994819	293250.586400079	4357011.65309126	3414.53092	3314.261119512631	3239.731071098813	3239.731071098813	74.604861836977	74.604861836977
307	16227	-168981.1413	897337.3170250766	39.33784114297244	-101.3969095	293451.926653589	4357007.450733461	3411.61196601613	3313.337374552552	3238.316734143217	3237.7362454992724	75.210304933499	75.210304933499
308	16228	-168321.1413	897337.3170250766	39.3378526556496	-101.3947272	293652.99426408927	4357003.3975114	3408.320656279684	3312.4330784	3236.312696596754	3236.1201393195502	76.1126869403345	76.1126869403345
309	16229	-167661.1413	897337.3170250766	39.33786412310591	-101.391948	293854.0586717205	4356999.344933676	3404.8093593423	3311.4427760521535	3234.153451291399	3234.0904004473183	77.28932476075443	77.28932476075443
310	16230	-167001.1413	897337.3170250766	39.3378754559528	-101.3896125	294055.1276867756	4356989.292371926	3401.2928050607685	3310.395113955894	3311.789882	3231.83713727411	78.9993127899935	78.5813645470076
311	16231	-166341.1413	897337.3170250766	39.33788692303333	-101.3872902	294256.1868791949	4356981.239970511	3398.131663306011	3309.289544808958	3229.292479519846	3229.34739181516	79.9401586844245	79.9401586844245
312	16232	-165681.1413	897337.3170250766	39.33789842541916	-101.3849474	294465.5709674475	4356987.18772315	3396.12452008027	3308.12452008027	3228.759426209347	3228.759426209347	81.385101789292	81.385101789292
313	16233	-165021.1413	897337.3170250766	39.33790954275363	-101.382615	294658.3147775058	4356983.157652626	3395.000892715253	3307.94057855473	3224.170931187187	3224.7474316859473	82.7274810387959	82.7274810387959
314	16234	-164361.1413	897337.3170250766	39.33792078503641	-101.3802832	294859.3776740095	4356979.0335446	3389.71320921577	3305.618100331803	3321.7749017357964	3321.695219804714	83.843195900646	83.843195900646
315	16235	-163701.1413	897337.3170250766	39.3379381822675	-101.3779509	295060.406687297	4356975.33234861	3387.5495127777	3304.2805620957815	3321.762037114903	3321.709530097844	84.0781086887874	84.0781086887874
316	16236	-163041.1413	897337.3170250766	39.33794313	-101.3756186	295261.5306201567	4356970.989017062	3386.628107202415	3303.890770399693	3321.863017725407	3321.8777816726237	84.0782674448573	84.0782674448573
317	16237	-162381.1413	897337.3170250766	39.33795642157456	-101.3732862	295462.5665407546	4356969.342361305	3384.507112471424	3302.45777939867	3321.9644051939414	3321.958391708926	81.58673416592542	80.86758905094078
318	16238	-161721.1413	897337.3170250766	39.33796833050435	-101.3709538	295663.624251013	4356962.87659497	3380.358908	3309.965353589095	3320.053516568304	3321.55172	81.901646207174	81.901646207174
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320	16240	-160401.1413	897337.3170250766	39.33799054275363	-101.3663699	296066.81581412675	4356950.72673117	3364.210580670444	3305.2889890737943	3321.6350935389332	3321.9726192790007	82.65479553486102	82.65479553486102
321	16241	-159741.1413	897337.3170250766	39.3380090143594	-101.364226	296267.876478776	4356946.78540582	3362.76451905167	3304.660826295576	3320.8490200468	3321.70798991306	77.721681	77.721681
322	16242	-159081.1413	897337.3170250766	39.33802819825269	-101.3599223	296468.93919211987	4356943.62429081	3362.452919	3320.01519	3322.1394154951728	3322.99193798415	86.875735451239	86.87573545123

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatElevLogKrg.ft	SatElevBoth.ft
403	160	118083	-105621.1413	8973737	33.38740913887534	-101.727037	312753.2366969015	4356619.2531611	3274.0917288969477	3034.367387	3034.330645509185	3034.079437046677	306.037415693479	60.28790500424299
404	160	118084	-104961.1413	8973737	33.387481143265	-101.703713	31264.2827677006	4356615.118891674	3270.776837416507	3031.3746227352403	3028.45083769092	3028.461158223943	62.91336961423072	62.91336961423072
405	160	118085	-104201.1413	8973737	33.3875235424009	-101.680389	31315.2586352156	4356611.184768673	3267.46196291364	3029.4156275889415	3022.433518849265	3022.433518849265	65.363421226666	65.363421226666
406	160	118086	-103641.1413	8973737	33.3876234138834	-101.165705	313356.374	4356607.210891301	3264.170474145047	3085.455035	3013.206363082803	3015.634254891203	70.24867004637253	69.8207601565391
407	160	118087	-102981.1413	8973737	33.38769383783274	-101.1633741	313557.4198818735	4356603.117190098	3261.958523111363	3062.5343489142078	3007.839618902115	3008.233634235776	74.703067042068318	74.309854905240979
408	160	118088	-102321.1413	8973737	33.3877641112495	-101.1610418	313758.4652212162	4356600.338632635	3260.903273089562	3079.67510339076	3000.48394792292	3000.63157794976	79.1111555	79.0459125400979
409	160	118089	-101661.1413	8973737	33.38780334132556	-101.1587094	313959.5103782091	4356595.05307777	3259.84079368048	3076.871011161085	2994.249632	2993.8431281165177	82.6214692108276	83.02791899595084
410	160	118090	-101001.1413	8973737	33.387926064825	-101.156377	314104.5553530584	4356591.01725238	3258.1812646465037	3074.1360937324157	2995.3281664187517	2994.2840763417084	87.900729054252	87.900729054252
411	160	118091	-100341.1413	8973737	33.3879715262987	-101.154046	314261.6004959637	4356587.345238637	3257.0526120767845	3073.0526120767845	3012.074181054635	3012.074181054635	90.37676049148235	90.37676049148235
412	160	118092	-99681.1413	8973737	33.3879715262987	-101.1517122	314452.5447571457	4356582.95159687	3254.6548351582398	3068.247519321507	3026.412391358107	3028.1774650724987	42.51236054697	42.51236054697
413	160	118093	-99021.1413	8973737	33.388107620305	-101.1493799	314763.6891867943	4356578.919	3252.257060240895	3066.46582829432	3026.613482829432	3027.177412042874	48.0528458595351	39.2889705154351
414	160	118094	-98361.1413	8973737	33.388174900545	-101.1470475	314964.7343511834	4356574.886723385	3249.85928132261	3064.1130572443767	3017.5852795122184	3018.560759056055	46.51772071582625	45.5522981877116
415	160	118095	-97701.1413	8973737	33.38824101022645	-101.1447151	315165.7770252359	4356570.854578857	3250.643959112795	3061.864898544684	3007.951339	3008.4029222884	53.335594013417	53.4399562180035
416	160	118096	-97041.1413	8973737	33.388303794061	-101.1423827	315366.821	4356566.62226205	3254.609735	3059.718865	2998.792229	2998.942343763366	60.926360860601	60.77602196463414
417	160	118097	-96381.1413	8973737	33.3883743980185	-101.140053	315567.8651941421	4356562.790684678	3258.5719001098875	3057.668284743255	2990.66276293744	2990.489431260377	67.06591317495107	67.17884901
418	160	118098	-95721.1413	8973737	33.388439660966	-101.1377179	315768.9071922555	4356558.709011021	3262.541218660042	3055.702131368357	2986.05680218336	2985.99513292915	69.04545150272124	69.805944504372
419	160	118099	-95061.1413	8973737	33.3885050836306	-101.135385	31589.952040106	4356554.77931631	3260.9553285339	3053.90863051029	2988.6448129222426	2986.63052954401	67.16391737	67.17811012061007
420	160	118090	-94401.1413	8973737	33.3885697506487	-101.1330532	316170.9925270453	4356550.69676153	3260.82131411694	3051.871702911274	2988.036492845046	2988.198055707805	63.347174461281	63.77976132126696
421	160	118081	-93741.1413	8973737	33.3886339671226	-101.1307208	316372.03821351053	4356546.66775648	3258.351572996995	3050.201684957183	2989.484701051247	2989.51852040821	60.7202779420731	60.48549933171171
422	160	118082	-93081.1413	8973737	33.38867933106165	-101.1283884	316573.0180186334	4356542.64389034	3256.4478528528296	3048.457492713939	2987.743806744405	2980.984503778854	57.4904513633255	57.4904513633255
423	160	118083	-92421.1413	8973737	33.3887610484657	-101.126056	316774.12364242623	4356540.346039662	3254.34191455313	3046.793344	2991.661157950453	2991.851102892627	55.1172598494228	54.94143364323286
424	160	118084	-91761.1413	8973737	33.388829133346	-101.123726	316975.1609056505	4356534.573986522	3251.371269	3045.14918194315	2991.699934247686	2991.699934247686	53.4520297666239	53.150439458974
425	160	118085	-91041.1413	8973737	33.3889253423681	-101.091071	317176.928379671	4356532.035819671	3248.1222581948074	3042.722581948074	2991.699934247686	2991.699934247686	47.23036517144925	47.23036517144925
426	160	118086	-90441.1413	8973737	33.3889482914658	-101.1190588	317377.2504464163	4356535.573849115	3252.509843867014	3041.957463199449	2990.102014031417	2990.079758841494	51.85845491680201	51.87770433798984
427	160	118087	-89781.1413	8973737	33.38900890472935	-101.1167264	317578.2924	4356522.84	3252.09641087873	3040.4032964176217	2989.2313002458577	2989.172059289695	51.1719617160221	51.23099345792525
428	160	118088	-89121.1413	8973737	33.38907086745664	-101.1143941	317779.3340875461	4356518.442421381	3251.660489708963	3038.875731504479	2988.751339655024	2988.729653383154	50.1225915422363	50.14067812132499
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430	160	118090	-87801.1413	8973737	33.3891916413035	-101.1097293	318181.41701569356	4356510.3568123	3251.44788872741737	3035.8490261471737	2987.94049032244	2987.94049032244	48.0823821270907	47.95371185259686
431	160	118091	-87141.1413	8973737	33.3892519258766	-101.107368	318362.4582129113	4356506.366879687	3248.191308129113	3034.4381129113	2987.94049032244	2987.94049032244	47.23036517144925	47.23036517144925
432	160	118092	-86481.1413	8973737	33.389310613008	-101.105045	318502.47904822	4356502.13040422	3245.8490261471737	3032.611603279693	2987.94049032244	2987.94049032244	46.08195713732006	46.08195713732006
433	160	118093	-85821.1413	8973737	33.3893694230542	-101.1027321	318784.504746598	4356498.309154416	3240.596137191122	3031.577378010399	2984.3424627050406	2984.47342393875	47.23491530475849	47.1035007452394
434	160	118094	-85161.1413	8973737	33.3894277825654	-101.1003997	318985.5807960186	4356494.280691624	3238.296677073621	3030.176614139538	2983.547778630314	2983.738769972108	46.378378363959	46.378378363959
435	160	118095	-84501.1413	8973737	33.3894857	-101.0980673	319186.621275279	4356490.25	3234.0779863842	3028.791313515521	2982.823570593322	2983.063364149705	45.9672429219875	45.9672429219875
436	160	118096	-83841.1413	8973737	33.3895431499781	-101.0957249	319387.6161336447	4356492.24368074	3233.934044645334	3027.419832074001	2982.047199016077	2982.245362465865	45.174262349465	45.174262349465
437	160	118097	-83181.1413	8973737	33.38960015767954	-101.0934225	319588.70167159618	4356482.196484225	3232.9167919065864	3026.062955621293	2981.706658421926	2981.706658421926	45.25697540203286	45.123298840774
438	160	118098	-82521.1413	8973737	33.389656152444	-101.091071	319789.741312855	4356478.169814497	3232.9167919065864	3026.062955621293	2981.706658421926	2981.706658421926	44.330224575	44.330224575
439	160	118099	-81861.1413	8973737	33.38971282027225	-101.0887378	319980.7841418593	4356474.14132879	3231.9646054167996	3024.3116610961914	2982.762195205099	2982.605455176167	41.84045157132586	40.80619770027423
440	160	118100	-81201.1413	8973737	33.389764873633	-101.0864054	320191.82109111353	4356470.11033767	3228.745170145421	3022.2395947193604	2981.2935910354104	2981.580133984408	40.94600338395004	40.6582467945252
441	160	11801	-80541.1413	8973737	33.3898236841172	-101.084073	320392.860482579	4356464.00639946	3225.55608214641	3021.1630898443505	2979.783633714535	2979.823644772085	41.380156468951954	41.2399323409699
442	160	11802	-79881.1413	8973737	33.3898784	-101.0817406	320593.890730227	4356462.0063615	3222.306129113323	3020.106521711557	2978.8922339169233	2978.9505624711675	41.212482364266	41.15566994977146
443	160	11803	-79221.1413	8973737	33.3899374407137	-101.0794082	320794.9387031023	4356458.03372625	3218.978070933723	3019.06032274806	2978.46364407783	2978.467409361386	40.95958232042095	40.6142291341932
444	160	11804	-78561.1413	8973737	33.3899896581559	-101.0770758	320985.97687239	4356454.0068121769	3218.978070933723	3018.023161718754	2978.2526974123334	2978.2526974123334	39.704067948192	39.8069098
445	160	11805	-77901.1413	8973737	33.3899925892065	-101.0658149	321203.456127965	4356448.0068121769	3218.978070933723	3017.018924989842	2978.2526974123334	2978.2526974123334	38.764392949823	38.764392949823
446	160	11806	-77241.1413	8973737	33.3900029548274	-101.072411	321398.05	4356445.9541385	3216.551393194508	3015.76903012283	2977.672715093123	2977.671780418467	38.050874	38.050874
447	160	11807	-76581.1413	8973737	33.3901454573568	-101.0700786	321599.0933013805	4356441.92840398	3205.297259030065	3014.967497608777	2977.121886470983	2977.0880884431	37.8793876556675	37.8793876556675
448	160	11808	-75921.1413	8973737	33.39027915093487	-101.0677462	321800.131555536	4356437.92091896	3201.991767566863	3013.969295301314	2976.407643	2976.399459330579	37.55945913931465	37.55945913931465
449	160	11809	-75261.1413	8973737										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKt	BR/ElevBothKt	SatHtLogsKt	SatHtBothKt
529	16189	-22461.14133	873737.3170250766	39.3929174772164	-0.0788212	338083.6662278371	4356112.461471965	3079.1582782234927	293.2154594485605	2855.6826186779313	2855.5252274862783	76.53284077062926	76.69023196282227	
530	16190	-21801.14133	873737.3170250766	39.39263258465026	-0.0784888	338264.69063445124	4356108.156159305	3077.102830680407	2930.751863260699	2853.3904743099747	2853.7935347656667	76.5211210095198	76.95853284903022	
531	16191	-21141.14133	873737.3170250766	39.39247412418444	-0.0781564	338465.7158414622	4356104.414933242	3075.718426381587	2858.2744828759864	2853.025673728656	2851.628302158629	77.34807483901268	77.4471223	
532	16192	-20481.14133	873737.3170250766	39.39261644849364	-0.0781824	338666.79367565084	4356100.43243984	3075.1055621815	2847.7873754111	2849.544412537895	2849.48357511019	78.2937121232158	78.3451202430917	
533	16193	-19821.14133	873737.3170250766	39.3929752	-0.0694916	338887.7673119621	4356096.423020778	3074.458763358949	2926.2749613230826	2846.8932023549587	2846.7718234699179	79.38175897	79.503178531363	
534	16194	-19161.14133	873737.3170250766	39.3920885	-0.0671592	339088.78769075004	4356094.412151811	3074.8712220988748	2924.704065826586	2843.931537764236	2843.976209767317	80.11552702102587	80.7704470853983	
535	16195	-18501.14133	873737.3170250766	39.3930013648829	-0.06484267	339289.815129432	4356088.405235797	3072.089128701113	2923.1982835829476	2841.2388397487525	2841.33927394913	81.89549383	81.8602911880341	
536	16196	-17841.14133	873737.3170250766	39.3930137692596	-0.0624493	339480.8317888095	4356084.396393722	3069.22048774042	2921.6268717295251	2838.950777569846	2838.1190571136997	82.675933326684	82.5917985115617	
537	16197	-17161.14133	873737.3170250766	39.39302577889	-0.0601619	339691.85686872283	4356080.388036938	3068.494844699713	2920.331146	2837.91379454998	2838.2333415558955	82.179864330126	81.9798433245468	
538	16198	-16521.14133	873737.3170250766	39.3930372263829	-0.0578675	339892.8820425754	4356076.379727444	3063.629129159005	2918.409478561361	2836.112323694984	2836.530713477165	81.87850142659536	81.87850142659536	
539	16199	-15861.14133	873737.3170250766	39.3930482791288	-0.05545971	340093.050240434	4356072.76111229	3061.756552058746	2916.7602919490078	2834.261395091454	2834.656694695763	82.4988633866231	82.1005972743144	
540	16200	-15201.14133	873737.3170250766	39.393058813332	-0.0531647	340294.928283702	4356068.365882845	3060.67289252368	2915.082063279822	2832.366690159631	2832.799743018365	82.7153731210903	82.2823202145633	
541	16201	-14541.14133	873737.3170250766	39.393060329938	-0.0508323	340495.9117124345	4356064.398986807	3059.883246286295	2913.37392581358517	2829.2501631385817	2829.73184663012	84.12378971	83.9831281888387	
542	16202	-13881.14133	873737.3170250766	39.3930787341107	-0.0484998	340696.9730936653	4356060.34824111	3058.505572730316	2911.63516969119	2827.533917076131	2827.9301718381392	84.1012591948679	83.7048521259787	
543	16203	-13221.14133	873737.3170250766	39.3930879648416	-0.0461674	340897.9964812648	4356057.1310789985	3057.796874579226	2909.864249836475	2825.999150345666	2826.938717990208	83.90343369487085	83.5293394822652	
544	16204	-12561.14133	873737.3170250766	39.3930978471444	-0.0438305	341099.0189418195	4356052.333920155	3057.463138189417	2908.05733329336	2824.7533491381864	2825.071652052635	83.3039415568758	82.9858124091025	
545	16205	-11901.14133	873737.3170250766	39.39310513420536	-0.0411026	341300.041272541	4356048.326970348	3057.129401799682	2906.21836440198	2824.167414232958	2824.369957446693	82.9462220590227	81.843700229618	
546	16206	-11241.14133	873737.3170250766	39.39311130314844	-0.0391702	341501.0633867873	4356044.320206852	3056.765549061912	2904.333186997124	2824.3480401391685	2824.5238697551687	80.862598562563	79.8102473	
547	16207	-10581.14133	873737.3170250766	39.3931204815484	-0.0368378	341702.0853469564	4356040.31363659	3056.305784196475	2902.41533131652	2825.484224721998	2825.749625	76.93110641	76.6657014669712	
548	16208	-9921.14133	873737.3170250766	39.393127479406	-0.0345053	341903.171523267	4356036.30729548	3055.363768130623	2900.459643921584	2827.563867139783	2828.02632684539	72.7877619210897	72.4336218916066	
549	16209	-9261.14133	873737.3170250766	39.3931340267175	-0.0321729	342104.128085916	4356032.301075602	3054.507343	2898.467510200605	2830.4706661530995	2831.51060898622	67.9963850666101	66.9564030343826	
550	16210	-8601.14133	873737.3170250766	39.393140723488	-0.0298405	342305.150050248	4356028.29504899	3054.53721668777	2896.43735251378	2832.926312675692	2831.4154940498923	62.521142595632	62.261833107438	
551	16211	-7941.14133	873737.3170250766	39.3931471626784	-0.0275138	342512.2966213036	4356024.288087278	3054.147645	2894.787777002507	2834.77777002507	2834.77777002507	57.181324154908	57.2223417591749	
552	16212	-7281.14133	873737.3170250766	39.393150953955	-0.0251757	342707.1928443094	4356020.28363025	3054.202361	2892.26057752277	2831.626127459565	2831.526278774422	54.658355292612	54.7587840098964	
553	16213	-6621.14133	873737.3170250766	39.3931557105343	-0.0228433	342908.1238451685	4356017.28721829	3052.71627065094	2890.164051285761	2830.57015873695	2830.548421402626	50.959483036626	50.7913188614581	
554	16214	-5961.14133	873737.3170250766	39.3931600512994	-0.0205109	343109.23472711467	4356012.273053798	3051.23942983228	2888.01483689002	2809.79505401995	2809.653491755195	47.21231319	46.3809341	
555	16215	-5301.14133	873737.3170250766	39.3931638491817	-0.0181784	343310.255507308	4356008.26808887	3050.6289619684	2885.83905398982	2809.91550449664	2809.634740527384	45.925026432118	45.7901612506276	
556	16216	-4641.14133	873737.3170250766	39.3931672469025	-0.0158186	343511.2761	4356004.263197124	3041.8852968150793	2883.93168150793	2809.21894586881	2809.259625625337	44.2027336	44.3794253	
557	16217	-3981.14133	873737.3170250766	39.3931701655524	-0.0134918	343712.2966213036	4355998.05884875	3038.147645	2881.71976478633	2808.1893692329	2808.1893692329	42.7877619210897	42.7877619210897	
558	16218	-3321.14133	873737.3170250766	39.393172678706	-0.0111814	343913.316905115	4355996.254112967	3030.409884647625	2879.18037381246	2807.17277500917	2807.63398253012	40.79623712293	40.75261052342071	
559	16219	-2661.14133	873737.3170250766	39.393174719545	-0.0088488	344114.336821427	4355992.49600555	3025.8731865018303	2876.937723329146	2806.724606341634	2806.724606341634	37.41316688044	37.42316354413035	
560	16220	-2001.14133	873737.3170250766	39.39317631128885	-0.0065164	344315.356904305	4355988.245801244	3024.741012	2871.37890704068	2801.070840248338	2801.070840248338	34.76307205791342	34.76307205791342	
561	16221	-1341.14133	873737.3170250766	39.39317745207964	-0.0041839	344516.3727946457	4355984.241930525	3021.201268831317	2872.823718720365	2799.4207060188137	2799.5928267287068	33.0024175522279	33.0289204332973	
562	16222	-861.14133	873737.3170250766	39.3931784123268	-0.001815	344717.396403579	4355980.23621889	3015.865399897596	2871.29606403529	2797.7331839501917	2798.371474955465	32.5628017199147	32.5628017199147	
563	16223	-211.14133	873737.3170250766	39.393178320305	-0.0009191	344818.4159291035	4355984.234781828	3013.158091876585	2869.8672567337294	2795.964103316867	2796.304103316867	31.0526438613314	31.0526438613314	
564	16224	638.85867303514	873737.3170250766	39.3931784123268	-0.001815	344717.396403579	4355980.23621889	3015.865399897596	2871.29606403529	2797.7331839501917	2798.371474955465	32.5628017199147	32.5628017199147	
565	16225	1298.85867303514	873737.3170250766	39.393178320305	-0.0009191	344818.4159291035	4355984.234781828	3013.158091876585	2869.8672567337294	2795.964103316867	2796.304103316867	31.0526438613314	31.0526438613314	
566	16226	1958.85867303514	873737.3170250766	39.39317631128885	-0.0065164	344315.356904305	4355988.245801244	3024.741012	2871.37890704068	2801.070840248338	2801.070840248338	34.76307205791342	34.76307205791342	
567	16227	2618.85867303514	873737.3170250766	39.39317745207964	-0.0041839	344516.3727946457	4355984.241930525	3021.201268831317	2872.823718720365	2799.4207060188137	2799.5928267287068	33.0024175522279	33.0289204332973	
568	16228	3278.85867303514	873737.3170250766	39.3931784123268	-0.001815	344717.396403579	4355980.23621889	3015.865399897596	2871.29606403529	2797.7331839501917	2798.371474955465	32.5628017199147	32.5628017199147	
569	16229	3938.85867303514	873737.3170250766	39.393178320305	-0.0009191	344818.4159291035	4355984.234781828	3013.158091876585	2869.8672567337294	2795.964103316867	2796.304103316867	31.0526438613314	31.0526438613314	
570	16230	4598.85867303514	873737.3170250766	39.39317631128885	-0.0065164	344315.356904305	4355988.245801244	3024.741012	2871.37890704068	2801.070840248338	2801.070840248338	34.76307205791342	34.76307205791342	
571	16231	5258.85867303514	873737.3170250766	39.39317745207964	-0.0041839	344516.3727946457	4355984.241930525	3021.201268831317	2872.823718720365	2799.4207060188137	2799.5928267287068	33.0024175522279	33.0289204332973	
572	16232	5918.85867303514	873737.3170250766	39.3931784123268	-0.001815	344717.396403579	4355980.23621889	3015.865399897596	2871.29606403529	2797.7331839501917	2798.371474955465	32.5628017199147	32.5628017199147	
573	16233	6578.85867303514	873737.3170250766	39.393178320305	-0.0009191	344818.4159291035	4355984.234781828	3013.158091876585	2869.8672567337294	2795.964103316867	2796.304103316867	31.0526438613314	31.0526438613314	
574	16234	7238.85867303514	873737.3170250766	39.39317631128885	-0.0065164	344315.356904305	4355988.245801244	3024.741012	2871.37890704068	2801.070840248338	2801.070840248338	34.76307205791342	34.76307205791	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
650	160	18315	60986.8586730335	897337.3170250766	39.3912720120042	-00.5849372	63411.5947866019	4355668.739427222	2848.945738677238	268.146618662645	2627.727562284106	2630.486536636184	70.41095639	67.66005302046071
650	160	18316	61358.8586730335	897337.3170250766	39.39123113512708	-00.5826048	63631.6118047777	4355664.753665205	2842.785874985518	2696.484526536984	2626.6314747769357	2620.264373393847	70.2190746007846	66.5849317
657	160	18317	62078.8586730335	897337.3170250766	39.3911892399999	-00.5802224	63833.607615588	4355660.788	2838.6278912986193	2695.548430902221	2627.1143820301443	2628.504707055417	68.4315286951764	66.96536804707469
658	160	18318	62678.8586730335	897337.3170250766	39.391146671846	-00.577794	64041.6135874507	4355661.7331923	2830.4701076110873	2694.2369732095417	2628.5804802702848	2627.85486573426	65.6549027950708	66.54893731611
659	160	18319	63388.8586730335	897337.3170250766	39.3911036658319	-00.5750678	64241.516919557	4355662.789332643	2826.14970340263	2692.9227357988163	2629.454572586089	2626.631536589906	63.4681785127276	66.28511810991041
660	160	18320	63998.8586730335	897337.3170250766	39.39106020239376	-00.5732752	64441.6245655834	4355668.814	2823.666779370478	2691.603106053936	2630.77876033318	2627.212640309304	60.824360153278	63.90918676040475
661	160	18321	64658.8586730335	897337.3170250766	39.3910162895078	-00.5709428	64611.6312085362	4355684.82893752	2818.7038348432	2690.279405605923	2631.4714105891258	2628.1073696756673	60.88259616773	62.12750400177765
662	160	18322	65318.8586730335	897337.3170250766	39.3909719253666	-00.5686104	64841.638210196	4355680.44531029	2816.10059285117	2688.290967442237	2631.45387034173	2628.923271813565	57.4866522725239	60.029076065882
663	160	18323	65978.8586730335	897337.3170250766	39.3909271102959	-00.5661738	65019.61240320379	4355681.1014573834	2817.0521152134834	2687.820106188689	2631.458764981967	2627.425656330017	56.38323669707469	60.1954066
664	160	18324	66638.8586730335	897337.3170250766	39.3908819457935	-00.5636456	65230.647655367	43557.72829474	2815.7281471030331	2686.2402518481207	2629.188895	2625.457194531112	57.0553871028931	60.8270573950125
665	160	18325	67298.8586730335	897337.3170250766	39.3908361303874	-00.5616132	65421.6528777004	4355688.9245425	2815.422706	2684.8451036539	2626.861787384587	2624.01168641182	58.08272235050836	60.93287074213444
666	160	18326	67958.8586730335	897337.3170250766	39.39078996425926	-00.5592808	65622.6579705343	4355664.909	2814.600801164028	2683.60048267985	2625.857073582114	2623.1572947935824	60.4431881834937	59.83698822
667	160	18327	68618.8586730335	897337.3170250766	39.39074334759225	-00.5569484	65823.6629	4355650.25369843	2811.105554477	2682.248568033146	2619.953296558846	2622.411807160267	62.2952713034498	59.83698822
668	160	18328	69278.8586730335	897337.3170250766	39.3906962803962	-00.554616	66024.676775318	4355564.92114289	2804.943657810424	2679.87735733896	2615.201034666987	2622.5581753396827	60.682720604239	58.32992175652376
669	160	18329	69938.8586730335	897337.3170250766	39.39064876264148	-00.5522368	66225.6724724637	4355562.99508584	2798.7401770986207	2679.8716564110168	2609.48493849838	2623.74726387622	70.0337176207839	55.79698203239444
670	160	18330	70598.8586730335	897337.3170250766	39.3906007435379	-00.5499512	66426.677485699	43554.49197179617	2792.55598400909	2679.13702895145	2602.83030135445	2624.02117500406	75.2982175	53.73581231467895
671	160	18331	71258.8586730335	897337.3170250766	39.39055257535666	-00.5476188	66627.6814964076	435544.994	2787.730170318214	2676.7483861900746	2598.888944624347	2615.7681330732487	80.8594717263094	60.98024681828191
672	160	18332	71918.8586730335	897337.3170250766	39.39050350617484	-00.5452864	66826.685151057	43554.01101362	2784.231629688185	2675.348858	2590.0951569143267	2604.3965719821375	85.210671293346	70.41269954545827
673	160	18333	72578.8586730335	897337.3170250766	39.39045418625105	-00.542954	67029.6901058674	4355537.082716579	2780.860098018165	2673.399223	2585.857132078677	2597.015203113774	88.08170932271374	76.9240143690265
674	160	18334	73238.8586730335	897337.3170250766	39.39040451813146	-00.5406216	67230.69417605	435553.0407	2777.4688548981635	2672.5194271407414	2583.41840409102	2592.84102552635	89.1042227379327	79.670059440627
675	160	18335	73898.8586730335	897337.3170250766	39.39035419483736	-00.5382992	67431.698107377	4355529.047030715	2776.112782039014	2671.0899303250144	2582.07290296005	2591.1806514771414	88.0165430206949	79.9084185327306
676	160	18336	74548.8586730335	897337.3170250766	39.3903053232323	-00.5359568	67632.7019111546	4355525.0628448	2776.787104033553	2669.495330737315	2681.479331499194	2586.056668037438	88.16596736218128	78.9394414358815
677	160	18337	75218.8586730335	897337.3170250766	39.390254012789	-00.5336284	67833.7659118455	4355521.1014573834	2776.787104033553	2669.495330737315	2681.479331499194	2586.056668037438	88.16596736218128	78.9394414358815
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679	160	18339	76538.8586730335	897337.3170250766	39.390148805523	-00.5289566	68235.7125698813	4355513.13888099	2776.787104033553	2669.495330737315	2681.479331499194	2586.056668037438	88.16596736218128	78.9394414358815
680	160	18340	77198.8586730335	897337.3170250766	39.390096318865	-00.5266272	68436.7156895007	4355509.15820027	2775.999417756183	2667.7922858987	2590.476285925189	2593.8085374292614	83.160013047076	69.9837054036361
681	160	18341	77858.8586730335	897337.3170250766	39.39004304768284	-00.5242948	68637.71904145356	4355505.17722239	2775.25488595113	2662.306248920336	2579.467456567096	2592.712829148782	83.160013047076	69.9837054036361
682	160	18342	78518.8586730335	897337.3170250766	39.3899900329417	-00.5219264	68838.7220875131	4355501.19675092	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
683	160	18343	79178.8586730335	897337.3170250766	39.3899363076626	-00.5196301	69039.7260754254	4355497.216311712	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
684	160	18344	79838.8586730335	897337.3170250766	39.3898819457935	-00.5172972	69240.7273149448	4355493.1014573834	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
685	160	18345	80498.8586730335	897337.3170250766	39.38982720549375	-00.5149653	69441.7304697891	4355489.25615195	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
686	160	18346	81158.8586730335	897337.3170250766	39.3897720286033	-00.5126329	69642.733	4355485.27639018	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
687	160	18347	81818.8586730335	897337.3170250766	39.3897164011757	-00.5103005	69843.7354298311	4355481.29674538	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
688	160	18348	82478.8586730335	897337.3170250766	39.3896623211215	-00.5079681	70044.737202369	4355477.31704334	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
689	160	18349	83138.8586730335	897337.3170250766	39.3896037947098	-00.5056837	70247.7368893695	4355473.38117998	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
690	160	18350	83798.8586730335	897337.3170250766	39.38954915717	-00.503303	70449.73589118455	4355469.3089184	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
691	160	18351	84458.8586730335	897337.3170250766	39.3894893809069	-00.5009739	70647.7348948581	4355465.3089184	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
692	160	18352	85118.8586730335	897337.3170250766	39.389431505985	-00.4986385	70848.74563455024	4355461.40162712	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
693	160	18353	85778.8586730335	897337.3170250766	39.389373175382	-00.4963601	71049.7473131226	4355457.42418161	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
694	160	18354	86438.8586730335	897337.3170250766	39.38931439415425	-00.4939737	71250.7485857861	4355453.44885133	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
695	160	18355	87098.8586730335	897337.3170250766	39.38925532211215	-00.4916413	71451.75020874166	4355449.46881487	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
696	160	18356	87758.8586730335	897337.3170250766	39.389195407119	-00.4893408	71652.7515791573	4355445.48836006	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
697	160	18357	88418.8586730335	897337.3170250766	39.3891367470576	-00.4870432	71854.7515791573	4355441.48836006	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
698	160	18358	89078.8586730335	897337.3170250766	39.3890746740576	-00.4848442	72054.753804199	4355437.5374068	2774.51155520005	2661.812936469384	2578.63118936764	2590.1644031046167	82.18074688	70.64850624232167
699	160	18359	89738.8586730335											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevBoth.f
41	161	18441	-344541.1413	897997.3170250766	39.34399186275508	-102.0170021	239965.000697778	4358293.798558356	3872.478157278998	371.00404695976468	3690.1963967295646	3652.040402127893	58.84070226880213	63.96018548978393
42	161	18442	-343881.1413	897997.3170250766	39.35015158617595	-102.01246	239961.12633020048	4358299.951258915	3868.1984418200737	371.26909505083958	3684.01908993007	3646.793552603174	60.17889196554274	67.5312566985609
43	161	18443	-343221.1413	897997.3170250766	39.35630978937658	-102.0123278	239963.7617331396	4358295.387044698	3868.386776786854	371.2548157178295	3649.60173132983	3613.818088486896	70.88891047008	70.88891047008
44	161	18444	-342651.1413	897997.3170250766	39.3602015211091	-102.0100058	240568.3768778554	4358281.48203765	3864.0244454277043	371.803473477097	3643.3067937030225	3610.93547305159	68.330633907425	74.1780646536766
45	161	18445	-341901.1413	897997.3170250766	39.35680537891633	-102.0076737	240769.50167327484	4358277.378120085	3861.6683529680315	3709.140176980334	3641.034302409214	3630.860272953922	68.055465001208	78.33345396
46	161	18446	-341241.1413	897997.3170250766	39.353108916238	-102.0053417	240970.623698985	4358273.27350355	3857.1260539945	3707.4589922265648	3636.852972069375	3625.288597532812	82.170376262541	82.170376262541
47	161	18447	-340581.1413	897997.3170250766	39.35313196227105	-102.0030096	241171.7077397306	4358269.16908461	3857.2211834499299	3705.79618832044	3632.75108087879	3621.9389916889986	73.0452714016598	83.83719663340524
48	161	18448	-339921.1413	897997.3170250766	39.35515518769645	-102.0006779	241372.874899743254	4358265.04662905	3855.3951217188733	3704.1546632459035	3627.6224311074297	3617.819546867487	73.0322213865385	86.33511639912422
49	161	18449	-339261.1413	897997.3170250766	39.35481665942412	-101.9989545	241573.98947578254	4358260.960837177	3853.5695969851455	3702.536899804928	3623.8011915464133	3613.818088486896	78.2348913479884	85.815181434
50	161	18450	-338601.1413	897997.3170250766	39.3520150330439	-101.9960133	241775.122369157	4358256.85701269	3851.742982514185	3700.354313640573	3620.1056500837963	3610.725033360447	80.212825706256	90.212825706256
51	161	18451	-337941.1413	897997.3170250766	39.3525249400403	-101.9936812	241976.24571124557	4358252.573379972	3850.95164846592	3698.320073001916	3616.5715858552068	3607.87522691647	82.8104214448806	90.9048460102694
52	161	18452	-337281.1413	897997.3170250766	39.3524763982221	-101.9913491	242177.368059226	4358248.64949683	3851.1949997646532	3684.845998930228	3613.582727489708	3605.50750599298	84.25277214	90.2935292372499
53	161	18453	-336621.1413	897997.3170250766	39.35276400419968	-101.989017	242378.945164558	4358245.7645710995	3851.4383465797939	3686.346594678208	3612.340027278908	3610.90771101004283	84.00656739	85.43924268
54	161	18454	-335961.1413	897997.3170250766	39.3523059553278	-101.9866849	242579.6142291017	4358240.436722975	3851.10439598417221	3684.877547470221	3609.142019	3610.915667790901	85.7352832	83.9618739323719
55	161	18455	-335301.1413	897997.3170250766	39.353316651	-101.9843528	24270.73605591583	4358236.341	3852.1670528470432	3693.441242289428	3694.300411750108	3693.304522686396	99.1406298314522	100.13671868300216
56	161	18456	-334641.1413	897997.3170250766	39.35339371050676	-101.9820027	242981.8586324108	4358232.238	3852.70621243432	3692.08445017414	3593.83211135481	3594.02203950206	98.20434185	98.043710120784
57	161	18457	-333981.1413	897997.3170250766	39.35362191256524	-101.9796886	243182.98045175037	4358228.136	3853.3080962582028	3690.662142367904	3594.1057439460283	3594.62246542782	95.56539842105712	96.0418069431349
58	161	18458	-333321.1413	897997.3170250766	39.35334046420776	-101.9773565	243384.102168418	4358224.033	3853.900976152095	3689.316338469803	3593.97058881399	3595.240716092375	95.3462749655142	95.0767175460545
59	161	18459	-332661.1413	897997.3170250766	39.3534709653144	-101.9750244	243585.223277121	4358219.9134376	3854.301234935466	3687.996464147291	3593.7539864365845	3595.50018905731	94.242477107068	92.4967250897992
60	161	18460	-332001.1413	897997.3170250766	39.3534038	-101.9726923	243786.3443845923	4358215.82890795	3854.48203928343	3686.69676403829	3593.0170541628454	3595.10561406482	93.76971224	91.5263123346617
61	161	18461	-331341.1413	897997.3170250766	39.35347362161889	-101.9703602	243987.46581676653	4358211.728	3854.66217841748	3692.386023272535	3594.09936782604	3620.9233045	91.325464998413	91.325464998413
62	161	18462	-330681.1413	897997.3170250766	39.3547561659558	-101.9680281	244188.585371457	4358207.62460861	3854.8435291874019	3684.1937494498	3591.39230603594	3601.480604583824	92.747190053394	92.52688174811378
63	161	18463	-330021.1413	897997.3170250766	39.3536339296274	-101.9657823	244394.0042719648	4358203.92196274	3854.789531366655	3684.1937494498	3591.39230603594	3601.480604583824	92.747190053394	92.52688174811378
64	161	18464	-329361.1413	897997.3170250766	39.3552057414164	-101.9633368	244590.8207613804	4358199.424129451	3854.186571862747	3681.6191018650424	3588.47662976274	3585.98549845887	93.12438887415013	95.6325191454932
65	161	18465	-328701.1413	897997.3170250766	39.355433125696	-101.9610317	244791.9459	4358195.322594258	3853.68351962347	3680.3645864304	3587.51287304013	3582.795293068376	92.851488	97.5738276046637
66	161	18466	-328041.1413	897997.3170250766	39.3556555	-101.9586996	244993.0540321684	4358191.22285611	3853.1902404639657	3679.109204403957	3585.688522154293	3579.830981152895	93.408292510278	95.2791223650024
67	161	18467	-327381.1413	897997.3170250766	39.3558791850892	-101.9563675	245194.1846870083	4358187.122	3853.7024624710516	3677.85007642841	3583.56288448828	3577.3932077726834	94.2871861	100.4568677041445
68	161	18468	-326721.1413	897997.3170250766	39.3561024051447	-101.9540354	245395.3072020348	4358183.021831986	3852.23178935423	3676.883996687203	3581.31972343933	3583.56288448828	95.2639734326975	101.8979300844516
69	161	18469	-326061.1413	897997.3170250766	39.3562520017705	-101.9517038	245596.42259017064	4358179.2750364	3851.789053136655	3675.71671381185	3581.94170083632	3581.94170083632	95.2639734326975	101.8979300844516
70	161	18470	-325401.1413	897997.3170250766	39.3564547470454	-101.9493711	245797.122369157	4358175.122369157	3851.742982514185	3674.0515739304	3580.10561406482	3580.10561406482	95.2639734326975	101.8979300844516
71	161	18471	-324741.1413	897997.3170250766	39.3567943466966	-101.947039	245998.6550457585	4358172.71273857	3850.584584818434	3672.704691309025	3573.448952942198	3587.478943827337	95.2639734326975	101.8979300844516
72	161	18472	-324081.1413	897997.3170250766	39.356990889425	-101.9447609	246199.773294054	4358166.6226871	3849.54468458326	3671.371391315991	3570.78426275533	3566.91104705939	95.2639734326975	101.8979300844516
73	161	18473	-323421.1413	897997.3170250766	39.3567211883768	-101.9423747	246400.8951020318	4358162.53294629	3848.6254522662075	3670.014527264521	3568.115058159448	3567.24821395551	101.8979300844516	101.8979300844516
74	161	18474	-322761.1413	897997.3170250766	39.357432482422	-101.9400426	246602.01272251141	4358158.4296316	3847.654435909596	3668.617560905946	3566.515071902378	3565.62361325468	102.1024941	102.9940460280808
75	161	18475	-322101.1413	897997.3170250766	39.3576525215885	-101.9377708	246803.129966833	4358154.253978048	3846.7506855174259	3667.17801395045	3566.13986366204	3565.289998	101.04893717252137	101.8979300844516
76	161	18476	-321441.1413	897997.3170250766	39.3578722	-101.9354732	247004.24719648	4358150.2269498	3845.912623949035	3665.71671381185	3565.94170083632	3565.94170083632	95.2639734326975	101.8979300844516
77	161	18477	-320781.1413	897997.3170250766	39.3580913583618	-101.9330682	247205.3638	4358146.18278974	3845.11951510735	3662.71411713593	3564.1937494498	3564.1937494498	95.2639734326975	101.8979300844516
78	161	18478	-320121.1413	897997.3170250766	39.3583101011879	-101.9307141	247406.404030752724	4358142.03981619	3843.238603445128	3662.632409186914	3562.43410602233	3565.404080817412	95.2639734326975	101.8979300844516
79	161	18479	-319461.1413	897997.3170250766	39.3585283823898	-101.9283819	247607.5965733218	4358137.3707156	3841.61784649458	3661.02465551019533	3562.2058215019533	3562.2058215019533	95.2639734326975	101.8979300844516
80	161	18480	-318801.1413	897997.3170250766	39.35874623439364	-101.9260498	247808.1725972404	4358133.8356425	3840.71379517065	3659.37955014113	3568.500519917434	3567.8802049228015	95.2639734326975	101.8979300844516
81	161	18481	-318141.1413	897997.3170250766	39.3589636	-101.9237177	248009.828674601	4358129.736	3837.3207693	3657.6088595093	3570.3150829708	3569.916439928708	97.29357161	87.6923681118582
82	161	18482	-317481.1413	897997.3170250766	39.359180566558	-101.921385	248210.9438819174	4358125.6386129	3832.905457542944	3667.78635210087	3572.3481984319164	3572.3481984319164	97.29357161	87.6923681118582
83	161	18483	-316821.1413	897997.3170250766	39.359398632244	-101.9190534	248412.06915624	4358121.23949847	3831.23949847	3666.78635210087	3572.3481984319164	3572.3481984319164	97.29357161	87.6923681118582
84	161	18484	-316161.1413	897997.3170250766	39.359613096711	-101.9167212	248613.174020586	4358116.44710055	3825.11951510735	3662.71411713593	3572.3481984319164	3572.3481984319164	97.29357161	87.6923681118582
85	161	18485	-315501.1413	897997.3170250766	39.359828686338	-101.9143891	248814.288955357	4358113.24704039	3820.366857171894	3660.200434376473	3573.340835766632	3574.28190397175	76.85998	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThKgr.ft	SatThBothKgr.ft
167	161	185657	-261381.1413	897997.3170250766	39.3537974037366	-101.7231489	265304.8732629094	435777.086989656	3698.137977139593	3382.6286908354835	3406.343075256304	3405.30514814045624	77.28499277917945	78.2771989492107
168	161	185658	-260721.1413	897997.3170250766	39.376152527318956	-101.7208166	265505.9608960409	435777.988092455	3696.739650464333	3402.0466621474804	3403.895336	3403.214439804827	78.50317265374036	78.531762360326384
169	161	185659	-260661.1413	897997.3170250766	39.3763302281414	-101.7204688	265707.96369869197	435778.9078872105	3696.3412744415793	3400.88910200242	3401.388591640714	3400.9839484287783	79.08536771746258	79.4069717146258
170	161	185670	-259401.1413	897997.3170250766	39.3765073219501	-101.7162151	265958.157059375	435776.8274552	3693.9435976430233	3478.931794077187	3399.175815836674	3398.9974806687717	79.7507128507357	79.9330373734075
171	161	185671	-258741.1413	897997.3170250766	39.37668417059746	-101.7138199	266109.2512088585	435776.744602675	3692.240277969339	3477.396508089036	3397.380658458378	3397.2741267677484	80.0158496306582	80.1228132128283
172	161	185672	-258081.1413	897997.3170250766	39.3768665687554	-101.7114876	266310.3451173485	435775.7668260	3690.231765090127	3475.8752674404627	3395.35768468618	3395.26125095762592	80.615566	
173	161	185673	-257421.1413	897997.3170250766	39.3770365	-101.7091554	266511.8349805491	435773.5880817685	3688.22522220916	3474.366274038128	3392.948716908375	3392.822581586289	81.41802513456287	81.54416045190919
174	161	185674	-256761.1413	897997.3170250766	39.3772120136025	-101.7068231	266712.5322421668	435774.58095241	3686.2147393517043	3472.8700815642373	3390.374897030683	3390.1761003515285	82.459718482	82.69398130270883
175	161	185675	-256061.1413	897997.3170250766	39.37739076029114	-101.7044689	266913.9264589657	435774.429362566	3684.222697541524	3471.373769074807	3388.48916689777	3388.33569698907	82.893825912924	83.04623338
176	161	185676	-255441.1413	897997.3170250766	39.3775615564814	-101.7021586	267114.718454457	435774.35029107	3682.45504293339	3469.905565346145	3386.762147195446	3386.66533392626	83.14440594	83.24022013334841
177	161	185677	-254781.1413	897997.3170250766	39.3777358021964	-101.6998263	267315.81102007417	435773.2741918805	3678.3070357085663	3468.43748912985	3384.790656421287	3383.7526065057974	83.64663149169837	
178	161	185678	-254121.1413	897997.3170250766	39.3779094974124	-101.6974841	267516.9037289121	435773.192506712	3665.566528294	3466.957197509205	3383.060109053557	3382.004580115824	83.9552579685107	84.0770506473681
179	161	185679	-253461.1413	897997.3170250766	39.3780827421369	-101.6951618	267717.99602619436	435773.114806374	3668.481526359906	3465.5213970316363	3381.6391728667973	3381.6343836190828	84.8822241648304	83.8869124064794
180	161	185680	-252801.1413	897997.3170250766	39.3782553636954	-101.6928296	267919.0880941256	435772.305158079	3664.621400140576	3464.075432212422	3380.33392635344	3380.381749871102	83.7420638947073	83.6937035014037
181	161	185681	-252141.1413	897997.3170250766	39.3784278801102	-101.6904873	268120.795923129	435772.395810682	3664.63188942557	3462.53834110869	3379.250044199078	3379.34566832597	83.7603489077317	83.30348424254643
182	161	185682	-251481.1413	897997.3170250766	39.37861227678	-101.688165	268321.2715427575	435771.688025173	3662.7379571502906	3461.210897254255	3378.409908437159	3378.54719278192	82.8007809289502	82.663051482353
183	161	185683	-250821.1413	897997.3170250766	39.3787712161133	-101.6858328	268522.362923687	435771.802290646	3660.64115946139	3459.793416233071	3378.557386431618	3378.3737102882137	82.6320699	83.05620334084983
184	161	185684	-250161.1413	897997.3170250766	39.378942083755	-101.6835095	268723.454764501	435770.725127795	3658.340850530693	3458.76751227995	3374.4944026185744	3374.736243114308	83.8932486249528	83.6522311366595
185	161	185685	-249501.1413	897997.3170250766	39.3791127501437	-101.6811862	268924.545000701	435770.647860095	3656.040614	3456.9948073338815	3372.6891885471946	3373.023285387575	84.3056817866868	83.9712789512391
186	161	185686	-248841.1413	897997.3170250766	39.37928428414187	-101.678836	269125.635696463	435770.57902621	3655.616513122696	3455.701250525704213	3371.0025457204213	3371.421548337614	84.501055227452	84.1943828994439
187	161	185687	-248181.1413	897997.3170250766	39.3794524821991	-101.6765037	269326.7261650729	435769.493915904	3652.051265819054	3454.25456341817	3369.23140411594	3369.278086060493	85.0419237395673	84.5260525762364
188	161	185688	-247521.1413	897997.3170250766	39.3796216724853	-101.6747174	2695927.8164055974	435768.917237716	3650.9742841876054	3452.916238072323	3367.932508503397	3367.462532238355	85.44876845224235	85.001623265885
189	161	185689	-246861.1413	897997.3170250766	39.3797941227678	-101.672485	269834.4174265317	435768.340434306	3648.7682918172539	3450.981396405497	3366.723193584497	3366.33819684091	85.71915424	85.612326326861
190	161	185690	-246201.1413	897997.3170250766	39.3799587015732	-101.669509	269929.96024357	435768.26470227	3648.819379	3450.284350519625	3360.701937	3360.182102	85.8544503344262	85.10438095
191	161	185691	-245541.1413	897997.3170250766	39.3801265	-101.6677146	270131.0876252524	435768.18838078	3647.4313717119674	3449.018438480475	3359.5874821462486	3359.140431983204	85.9447453346773	85.871893
192	161	185692	-244881.1413	897997.3170250766	39.3803293267924	-101.6648423	270332.175094934	435767.112487568	3645.732057917433	3447.751458597304	3358.489133272414	3358.251593944941	85.8284216231625	85.9159519108395
193	161	185693	-244221.1413	897997.3170250766	39.3804609685484	-101.6625101	270533.2641997537	435766.927438955	3644.032749328955	3446.559923287616	3357.050511671856	3357.0505289828157	85.90548071	85.95592584484594
194	161	185694	-243561.1413	897997.3170250766	39.3806273538012	-101.6601778	270734.3531	435766.761289746	3642.334303803638	3445.368888588536	3355.22528798199	3355.2495249143654	86.14360095036699	86.11906347717045
195	161	185695	-242901.1413	897997.3170250766	39.3807939061736	-101.6578485	270935.4417886317	435766.4298751285	3640.5247810488993	3444.211623589933	3354.1912876783	3353.18946867298	86.39992842987194	86.41236265688
196	161	185696	-242241.1413	897997.3170250766	39.380958793935	-101.6555132	271136.53015690285	435765.810876969	3638.925043021058	3443.081779767514	3353.14791085222	3353.191457484099	86.7136923270277	86.7136923270277
197	161	185697	-241581.1413	897997.3170250766	39.381124117583	-101.6531809	271337.6181	435765.735064449	3638.42896311112	3441.9808405925014	3350.5453957339739	3350.453495337369	87.41508719513238	87.41508719513238
198	161	185698	-240921.1413	897997.3170250766	39.3812887980824	-101.6508487	271538.7063320301	435765.162134838	3637.20929631178	3440.963506030837	3351.1063511916654	3351.068700503387	88.75756645997365	88.75756645997365
199	161	185699	-240261.1413	897997.3170250766	39.3814533239088	-101.6485164	271739.7940813184	435764.58728456	3635.502729577248	3439.856093	3351.520087354949	3351.636109180584	88.3360068	88.22007426
200	161	185700	-239601.1413	897997.3170250766	39.3816168172369	-101.6461841	271940.881605362	435764.31240472	3633.821462781933	3438.821462781933	3351.507592203084	3351.507592203084	89.2717097	89.2717097
201	161	185701	-238941.1413	897997.3170250766	39.3817801510663	-101.6438518	272141.968804737	435763.84277094	3631.82033179867	3437.82033179867	3351.309620106243	3351.4223171230727	89.510417158325	86.3970041470285
202	161	185702	-238281.1413	897997.3170250766	39.3819434347796	-101.6415195	272345.50471860535	435763.3434306	3629.9429179128226	3436.929179128226	3350.921110214948	3350.921110214948	89.75191424	89.75191424
203	161	185703	-237621.1413	897997.3170250766	39.38210546730885	-101.6391872	272544.1428050275	435762.9129068275	3627.180033141762	3435.852882	3350.7191898711	3350.670510561916	85.75766641195245	85.2453722680084
204	161	185704	-236961.1413	897997.3170250766	39.3822674496406	-101.636855	272745.2295317923	435762.271069075	3625.84152685834	3434.8883913247944	3349.485048975665	3349.7108009402357	85.80334265	85.1775832456568
205	161	185705	-236301.1413	897997.3170250766	39.3824288814724	-101.6345227	272946.3127	435762.13725994	3623.9329619524046	3434.043985211866	3348.221592203084	3348.221592203084	85.4573634312804	85.71162815
206	161	185706	-235641.1413	897997.3170250766	39.3825900628014	-101.6321904	273147.4021309863	435761.70597028	3621.1639711421676	3432.9850128130024	3348.232172851381	3348.3467407410201	86.7528399616215	86.7528399616215
207	161	185707	-234981.1413	897997.3170250766	39.3827506963537	-101.6298881	273348.4880840798	435761.97928168	3620.706359192862	3432.043395192862	3347.8992475233287	3347.8992475233287	88.1393799891819	88.1393799891819
208	161	185708	-234321.1413	897997.3170250766	39.3829168739665	-101.6275258	273549.5831375272	435761.704874308	3617.136264611915	3431.170734089664	3347.231238	3347.231238	89.8939451	89.9340440413147
209	161	185709	-233661.1413	897997.3170250766	39.3830829831276	-101.625183	273750.659419724	435761.414727	3615.93313671212	3430.33813672	3346.1845217893	3346.1845217893	90.08313431252	90.08313431252
210	161	185710	-233001.1413	897997.3170250766	39.3832298831427	-101.6228612	273951.744602577	435760.9792147	3609.991792966323	3429.3399	3335.242426101316	3335.242426101316	93.98944666112862	94.0290736
211	161	185711	-232341.1413	897997.3170250766	39.38338871195106	-101.6205289	274152.826625052	435759.70785638	3606.615373002605	3428.92140291227	3332.0229			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBohring.ft	SatHtElevLogs.ft
23	161	18693	-178221.1413	897997.3170250766	39.39487895916879	-101.4292776	400641.0655	435265.456666125	450.186514226789	3232.99162509075	3230.05460580093	92.88706428948208
294	161	18694	-177561.1413	897997.3170250766	39.3950010279074	-101.4268452	400842.1379570109	435261.4004707409	3448.254137583903	3322.25303247705	3225.50137553641	96.7367992004262
295	161	18695	-178091.1413	897997.3170250766	39.39513212167914	-101.4268452	400842.1379570109	435261.4004707409	3448.254137583903	3322.25303247705	3225.50137553641	96.7367992004262
296	161	18696	-176241.1413	897997.3170250766	39.3952454877425	-101.4222805	401344.267142508	435253.289497807	3401.077880071036	3322.7677729967	3221.166542490362	96.1421781905572
297	161	18697	-175681.1413	897997.3170250766	39.3953626334212	-101.4199481	401945.33366569	435249.234165905	3437.01716697526	3320.059514826292	3224.636781379151	96.4277335471008
298	161	18698	-174921.1413	897997.3170250766	39.39546226754324	-101.4176157	402166.398912039	435245.179029423	3446.8451884039	3319.31631371347667	3220.067841688908	96.23983051235423
299	161	18699	-174261.1413	897997.3170250766	39.39560154114035	-101.4152833	402847.466053345	435241.120493835	3429.5809984168627	3318.062193619995	3235.0551716381562	95.86340273426367
300	161	18700	-173601.1413	897997.3170250766	39.3957201842126	-101.412951	402848.53209013224	435237.000835949	3427.218605570289	3317.869638742482	3324.148815573691	95.7265718482287
301	161	18701	-172941.1413	897997.3170250766	39.39583646679914	-101.410618	402849.5972226807	435233.041799343	3424.543612735133	3317.14769696475	3323.458157072697	95.6186398658587
302	161	18702	-172281.1413	897997.3170250766	39.39595623678005	-101.408282	402850.653552207	435228.964375595	3422.46861982098	3316.3747429	3323.70177091343	95.48712149
303	161	18703	-171621.1413	897997.3170250766	39.39607368027536	-101.4059538	402851.72897401766	435224.0356278073	3420.4435965423673	3315.588370913897	3323.4064967762275	95.3684029546301
304	161	18704	-170961.1413	897997.3170250766	39.3961906112445	-101.4036215	402852.7941932697	435218.7852313962	3418.7654524004928	3314.8009612503353	3323.968208425178	95.247712360185
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306	161	18706	-169641.1413	897997.3170250766	39.39642312160365	-101.3989567	403254.2402289703	435212.744971833	3415.41843423554	3313.180033997994	3323.04398526605	95.467047017313437
307	161	18707	-168981.1413	897997.3170250766	39.3965387009951	-101.3966243	403555.9886326816	435208.6292	3415.133845343543	3312.221625811887	3323.687630796999	95.35118867078184
308	161	18708	-168321.1413	897997.3170250766	39.3966532938558	-101.3942919	403857.3082937114	435204.63841114	3410.249721443893	3311.281161409397	3323.8236738746944	95.2457233208777
309	161	18709	-167661.1413	897997.3170250766	39.3967685081916	-101.3919598	403858.11724231036	435200.585432768	3407.445597338903	3310.2938251802357	3322.021033786258	95.1391005014895
310	161	18710	-167001.1413	897997.3170250766	39.39687325753995	-101.3896272	404059.18124319345	435197.632631748	3404.551473623129	3309.254880855412	3322.961383942344	95.029104191257757
311	161	18711	-166341.1413	897997.3170250766	39.3969965132801	-101.3872948	404260.250416215	435192.480035049	3401.75302896155	3308.164382413448	3322.0936388024264	95.08998447310189
312	161	18712	-165681.1413	897997.3170250766	39.39711098402087	-101.3849624	404461.3086378025	435187.9427436365	3400.783305821281	3307.01879638952	3322.043705571956	95.0254904669901
313	161	18713	-165021.1413	897997.3170250766	39.397227271625746	-101.38263	404662.3720319412	435178.347527598	3398.108678700081	3305.820580516347	3322.062584495968	95.0237979208
314	161	18714	-164361.1413	897997.3170250766	39.39733514195395	-101.380277	404863.4352244455	435170.32436780	3395.2866501125435	3304.57106067509	3322.0711990372195	95.02625350519664
315	161	18715	-163701.1413	897997.3170250766	39.3974431121121	-101.377924	405064.4982148138	435162.217878714	3392.329910155874	3303.211647317177	3322.0821764715516	95.028987711406
316	161	18716	-163041.1413	897997.3170250766	39.397555846176105	-101.3756239	405265.56100415817	435157.2199811125	3390.238902070134	3301.9231431808907	3320.064610724375	95.02682147012674
317	161	18717	-162381.1413	897997.3170250766	39.3976697158715	-101.3733005	405466.623921871	435147.189844538	3387.14789445839	3300.5301874454053	3320.0565628483	95.023313867285
318	161	18718	-161721.1413	897997.3170250766	39.39778051250458	-101.370981	405667.6859781674	435137.112262519	3384.0566868065	3299.04139023187	3318.0211334285813	95.021701623766
319	161	18719	-161061.1413	897997.3170250766	39.39789051345424	-101.3686357	405868.781653838	435127.0371040613	3379.2168571788275	3317.761565239785	3318.129504258423	95.01870054808878
320	161	18720	-160401.1413	897997.3170250766	39.3980002350274	-101.3663033	406069.8102	435116.01542699	3376.1071692160026	3316.071692160026	3318.01716884849	95.0150052753674
321	161	18721	-159741.1413	897997.3170250766	39.39811967050701	-101.3638768	406270.8718361647	435106.94808963	3373.685258857876	3315.0325739827152	3318.0235798927152	95.01298719890787
322	161	18722	-159081.1413	897997.3170250766	39.3982381291394	-101.36138	406479.9132311595	435097.14132604	3371.621249752725	3329.079139381167	3321.455471175414	95.0122711486718
323	161	18723	-158421.1413	897997.3170250766	39.3983626994158	-101.3593062	406672.99409816645	435084.618410955	3370.0140589542334	3319.389530244055	3322.7335308856168	95.0123273024325
324	161	18724	-157761.1413	897997.3170250766	39.39846344198178	-101.3569738	406874.050917383	435073.8184048732	3367.03240083626	3324.515065	3322.9190396896	95.0124852245
325	161	18725	-157101.1413	897997.3170250766	39.3985842089688	-101.3546414	407075.1177073039	435061.751847529	3360.13331319973	3321.8124480551053	3322.8162435395615	95.01281655887
326	161	18726	-156441.1413	897997.3170250766	39.3986941090309	-101.3523209	407276.177632969	435051.71451709	3359.1936902328425	3326.45041446995	3328.528529059067	95.01287366815026
327	161	18727	-155781.1413	897997.3170250766	39.398795677184105	-101.349976	407477.2384503993	435041.766605458	3357.830567816296	3328.473400650012	3328.4876285121984	95.0128580217441
328	161	18728	-155121.1413	897997.3170250766	39.398917951198	-101.347642	407678.2982353503	435032.712578714	3356.47247553024	3329.021778519514	3329.021778519514	95.0128580217441
329	161	18729	-154461.1413	897997.3170250766	39.3990674638674	-101.3453118	407879.3502979137	435023.758981628	3354.258891691296	3328.1249574	3328.468735056953	95.0128580217441
330	161	18730	-153801.1413	897997.3170250766	39.39917268108334	-101.3429794	408080.419187382	435015.117962619	3352.472965328336	3329.4664975491396	3328.1150345638052	95.0128580217441
331	161	18731	-153141.1413	897997.3170250766	39.399271744718196	-101.340647	408281.47898116043	435006.958684939	3350.956384083916	3328.717903543891	3328.717903543891	95.0128580217441
332	161	18732	-152481.1413	897997.3170250766	39.399382176397144	-101.3383146	408482.5385	435007.142067907	3349.707015344783	3327.894319734307	3328.4264491502922	95.0128580217441
333	161	18733	-151821.1413	897997.3170250766	39.39949382695915	-101.3359822	408683.5979018935	435003.1732304025	3348.181666881078	3327.93230482196	3327.93230482196	95.0128580217441
334	161	18734	-151161.1413	897997.3170250766	39.3996044457896	-101.3336498	408884.651005589	435000.34199996	3347.2146800175047	3327.022251628343	3324.192489199223	95.0128580217441
335	161	18735	-150501.1413	897997.3170250766	39.3997156833885	-101.3313272	409085.710168794	435000.958349714	3346.252858199223	3326.01452858199223	3323.1452858199223	95.0128580217441
336	161	18736	-149841.1413	897997.3170250766	39.3998265225611	-101.328985	409286.749055107	435001.2287515	3345.258891691296	3325.01452858199223	3325.01452858199223	95.0128580217441
337	161	18737	-149181.1413	897997.3170250766	39.39993765867452	-101.3266526	409487.8331221716	435000.18105461	3344.071162121783	3326.08720102581	3322.7832768128374	95.0128580217441
338	161	18738	-148521.1413	897997.3170250766	39.3999981997016	-101.3243202	409688.89129	435000.3732525	3343.06373275946	3326.03673275946	3326.03673275946	95.0128580217441
339	161	18739	-147861.1413	897997.3170250766	39.40009936214145	-101.3219878	409889.901350921	435000.0968498	3342.073699705303	3326.030315	3326.030315	95.0128580217441
340	161	18740	-147201.1413	897997.3170250766	39.4001700471354	-101.319654	410081.00815167744	435000.039685981	3341.88453169624	3325.9200511939316	3326.5389371098	95.0128580217441
341	161	18741	-146541.1413	897997.3170250766	39.4002603338895	-101.3173293	410282.0789219653	435000.069288867	3341.7678216898175	3325.817678216898175	3326.5389371098	95.0128580217441
342	161	18742	-145881.1413	897997.3170250766	39.4003501461905	-101.315004	410483.1236215376	435000.045377732	3341.65143770206	3325.70445498947	3325.70445498947	95.0128580217441
343	161	18743	-145221.1413	897997.3170250766	39.4004395604781	-101.3126582	410684.1810244785	435000.00202235	3341.640515770526	3325.60540016419	3325.60540016419	95.0128580217441
344	161	18744	-144561.1413	897997.3170250766	39.4004984162313	-101.3103258	410885.238257111	435000.8386904	3341.5353601010966	3325.4119301565884	3325.4119301565884	95.0128580217441
345	161	18745	-143901.1413	897997.3170250766	39.4005986754035	-101.30799						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
419	161	18819	-90501.14133	897997.3170250766	39.4066326124554	-11.1353939	31975.9882	4366755.947664232	3362.254172144505	364.8477226	2987.6791626271274	2987.8312941123704	67.1080932	66.9559317631981
420	161	18820	-94401.14133	897997.3170250766	39.4066972811143	-11.1330615	316175.031905325	4366751.81216006	3259.8178527279907	304.916543649943	2988.6116137347171	2988.8511965439004	64.2951406464728	64.05555627155261
421	161	18821	-93741.14133	897997.3170250766	39.4067614992268	-11.1300729	316276.078921275	4366747.885651432	3251.3874812112993	351.083694892729	2989.778414654585	2990.077891264515	61.4006896	61.006896
422	161	18822	-93081.14133	897997.3170250766	39.4068253	-11.1283966	316577.116573996	4366743.85406705	3254.9452125496018	309.3124965996208	2991.581240336068	2991.75492632014015	58.225354260352154	58.025354260352154
423	161	18823	-92421.14133	897997.3170250766	39.4068886838126	-11.1260641	316778.158996400	4366739.823361412	3253.5014876541614	304.7586921902437	2991.3868008949553	2991.6167800640044	56.20012100781481	55.97014183362441
424	161	18824	-91761.14133	897997.3170250766	39.4069514502585	-11.1237317	316979.2012395369	4366735.70274044	3253.0541971035647	304.501595575755	2991.522783477526	2991.72831210002888	52.922783236243424	52.7283236243424
425	161	18825	-91101.14133	897997.3170250766	39.4070138662114	-11.1213992	317180.2430361607	4366732.76259102	3252.60373381678	304.251971341452	2991.7160055231	2991.871906285473	53.13437078912102	53.06406505978252
426	161	18826	-90401.14133	897997.3170250766	39.40707938315912	-11.1190668	317381.285188840	4366727.732	3252.195275689791	304.26432235737	2990.24573630346	2990.2141347347222	52.38858600539106	52.24011610084468
427	161	18827	-89781.14133	897997.3170250766	39.40713724642564	-11.1167343	317696.3269	4366723.70217882	3251.7487651345178	304.0474682980684	2990.5868571432	2990.8685871432	51.89804706	51.69804706
428	161	18828	-89121.14133	897997.3170250766	39.407184107089	-11.1144019	317783.368423451	4366718.67281209	3251.518712047639	303.8949751661375	2990.107743989878	2989.053162252597	50.382007851477776	50.43658436118752
429	161	18829	-88461.14133	897997.3170250766	39.4072590244696	-11.1120694	317894.4907744406	4366715.64277763	3251.240638504996	303.7650918262314	2988.851336345043	2988.87563962504	49.7744917272716	49.8034529817615
430	161	18830	-87801.14133	897997.3170250766	39.4073191876376	-11.109737	318185.4504530535	4366711.613367997	3250.952656531607	303.645727967961	2988.3269762147318	2988.417584706862	48.12675173524921	48.036142321099824
431	161	18831	-87141.14133	897997.3170250766	39.4073789002809	-11.1074045	318386.49193933856	4366708.515425805	3248.801674817205	303.43079033903815	2987.52186157638	2987.648746	47.4886881398361	47.3219484881414
432	161	18832	-86481.14133	897997.3170250766	39.4074381623764	-11.1050721	318587.53275574953	4366705.555132072	3244.7849191557446	303.358191557446	2985.318074058517	2985.142726621504	46.190171498928885	46.190171498928885
433	161	18833	-85821.14133	897997.3170250766	39.4074989739245	-11.1027396	318788.733947428	4366699.526305987	3240.7589712176355	302.605858945928	2984.83497296317	2984.8417143273383	47.23000745314706	47.25147222139614
434	161	18834	-85161.14133	897997.3170250766	39.40755533439248	-11.1004472	318989.8136552504	4366695.4710277156	3238.731480828934	303.04361961456085	2984.2306281348052	2984.415895171914	46.32303322001265	46.227768489237
435	161	18835	-84501.14133	897997.3170250766	39.4076132	-11.0980747	319190.5614129687	4366691.498	3234.85186725726	302.938627731325	2983.6457760729203	2983.76379106266	45.9528760200319	45.471232668367
436	161	18836	-83841.14133	897997.3170250766	39.407670572813	-11.0957423	319391.694294579	4366687.440992621	3232.059096147432	302.7845901581043	2983.005321494068	2983.05326594017368	44.8526305643612	44.680931146367584
437	161	18837	-83181.14133	897997.3170250766	39.4077217146375	-11.0934098	319592.7341806419	4366683.42943588	3235.3450025462906	302.6474231184265	2982.628671266587	2982.4670000468134	44.14736405760641	44.072723074
438	161	18838	-82521.14133	897997.3170250766	39.40778427344546	-11.0910774	319793.773362425	4366679.8803885	3236.11077676348	302.51177676348	2981.925180562492	2982.065393546204	43.3505117412102396	43.2505117412102396
439	161	18839	-81861.14133	897997.3170250766	39.4078403817051	-11.0887449	319994.813414203	4366675.37428451	3234.0725013740712	302.37905554788117	2982.016817190553	2982.208801247666	41.77437379585546	41.58173451045124
440	161	18840	-81201.14133	897997.3170250766	39.4078963941061	-11.0864125	32005.8529172353	4366671.23965232	3230.77777937052	302.203642218637	2981.149161406881	2981.274800629667	41.4546626486276	41.39071309194114
441	161	18841	-80541.14133	897997.3170250766	39.407952465783	-11.08404	32036.9214278	4366667.30290507	3228.14585823688	302.034585823688	2980.413174898755	2980.413174898755	40.8226714398148	40.8226714398148
442	161	18842	-79881.14133	897997.3170250766	39.408000531928	-11.0817476	320597.931195731	4366663.275612961	3224.1883364619127	302.0411865285073	2979.57905403033	2979.5678349515743	40.8632125814521	40.87400279334997
443	161	18843	-79221.14133	897997.3170250766	39.40806003	-11.0794151	320798.970718371	4366659.274629691	3220.911848379221	301.918387150867	2979.3686293736923	2979.2958246527783	40.8132777717451	40.8060323
444	161	18844	-78561.14133	897997.3170250766	39.40811416477415	-11.0770822	321000.087277754	4366655.22040684	3217.6531318849933	301.8133669	2979.3397493430107	2979.249028810391	39.9819145841949	39.0823699103929
445	161	18845	-77901.14133	897997.3170250766	39.40816756974164	-11.0747502	321201.074298759	4366651.19545839	3215.11076637757	301.7219164	2979.346873	2979.249028810391	39.9819145841949	39.0823699103929
446	161	18846	-77241.14133	897997.3170250766	39.4082205241997	-11.0724718	321402.085649899	4366647.169245438	3211.13600674227	301.626044302939	2979.255862250383	2979.167137436075	37.00484817790084	37.00484817790084
447	161	18847	-76581.14133	897997.3170250766	39.4082732828588	-11.0700853	321603.123626764	4366643.18911979	3207.758378168864	301.515498181818	2979.844341868483	2979.7444341868483	36.394811240565	36.394811240565
448	161	18848	-75921.14133	897997.3170250766	39.408327261158	-11.0677329	321804.161929229	4366639.10277156	3204.14723811456307	301.412382171456307	2978.161362148917	2978.161362148917	35.1104253622054	35.1104253622054
449	161	18849	-75261.14133	897997.3170250766	39.40837668411915	-11.0654204	322005.19965723297	4366635.01509354	3203.12243349274594	301.32243349274594	2978.911865181817	2978.911865181817	34.314787456224	34.314787456224
450	161	18850	-74601.14133	897997.3170250766	39.4084273634024	-11.063088	322206.2373115143	4366631.0659871	3201.236265940856	301.212381675496	2978.505475120126	2978.505475120126	33.7134040154468	33.72700429617485
451	161	18851	-73941.14133	897997.3170250766	39.4084785380117	-11.0607555	322407.274920696	4366627.045562397	3200.934722008425	301.1238291680112	2977.69915380547	2977.650254951504	35.381397329635365	35.381397329635365
452	161	18852	-73281.14133	897997.3170250766	39.40852878913346	-11.058423	322608.3120991043	4366623.016521322	3198.460497015507	301.025435133671	2977.052643228002	2977.6876147336715	35.5653043038365	35.5653043038365
453	161	18853	-72621.14133	897997.3170250766	39.4085786975004	-11.056006	322809.349232253	4366618.96805823	3186.28957934858	300.92958895921	2986.683065219197	2986.70858033003	35.0502281	35.0502281
454	161	18854	-71961.14133	897997.3170250766	39.408627367775	-11.0537581	323010.3862	4366614.96324334	3184.76545081162	300.83028403277	2987.108473	2987.108473	34.194545058654	34.194545058654
455	161	18855	-71301.14133	897997.3170250766	39.4086786831959	-11.0514257	323213.4223	4366610.94128015	3182.737191954142	300.73521421812	2986.109316808755	2986.109316808755	33.822501393647	33.822501393647
456	161	18856	-70641.14133	897997.3170250766	39.4087252812206	-11.0490932	323412.459961484	4366606.91622258	3176.15899715828	300.63755262677	2985.506456994145	2985.506456994145	33.0590973176888	33.0590973176888
457	161	18857	-69981.14133	897997.3170250766	39.40877608	-11.0467608	323613.4908386134	4366602.959275019	3175.184082934248	300.5439026773116	2985.149771	2985.62780213322	32.0274134382815	32.0274134382815
458	161	18858	-69321.14133	897997.3170250766	39.4088205341133	-11.0444283	323814.532308847	4366598.86879716	3170.102967057063	300.447974894584	2984.7318945971133	2985.325896895602	31.7480294771103	31.7480294771103
459	161	18859	-68661.14133	897997.3170250766	39.40887693161076	-11.0420958	324015.5685069585	4366594.840599911	3167.29229731705	300.3542673382924	2983.6118526382924	2983.6118526382924	30.8887532650141	30.8887532650141
460	161	18860	-68001.14133	897997.3170250766	39.4089314755325	-11.039734	324216.604342186	4366590.821428041	3164.704487863232	300.2611702463814	2982.96320419098	2982.96320419098	30.2126762739332	30.2126762739332
461	161	18861	-67341.14133	897997.3170250766	39.40898248959583	-11.037418	324417.64619047	4366586.32909007	3162.74168927127	300.16589711398	2982.7162811398	2982.7162811398	29.71975913213856	29.71975913213856
462	161	18862	-66681.14133	897997.3170250766	39.4090005	-11.0350985	324615.757700267	4366582.77446676	3159.52800714626	300.02337324525	2982.93010306249	2982.93010306249	29.787727289347	29.787727289347
463	161	18863	-66021.14133	897997.3170250766	39.4090518	-11.032766	324819.7112	4366578.751847158	3157.21275180341	2999.860472505134	2982.600218079422	2982.60		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogs.ft	SatHBoth.ft
543	161	18945	-11901.141327	87997.91720250766	39.341123278039866	-100.84155036	341304.051887988	4356249.525647729	308.1879579813517	2906.002373135739	2821.830474	2821.8922727265445	84.17199930571521	84.11010033781506
546	161	18946	-11241.141131	87997.91720250766	39.34112404795435	-100.8391712	341505.0737995404	4356245.517503059	308.0503308	2904.116662445298	2821.901751747816	2821.922905198834	82.2143052011698	82.19317192941526
547	161	18947	-10989.141327	87997.91720250766	39.34112491287619	-100.836887	341575.1205296296	4356241.512049296	308.1314272460934	2903.6071802169034	2822.42701169034	2823.6071802169034	78.530245489321	78.530245489321
548	161	18948	-9921.1411327	87997.91720250766	39.341125512616806	-100.8345062	341907.11761194113	4356230.3246262904	308.3902368256924	2900.2268087852203	2823.501129425525	2826.00216419035	73.6955765396487	73.16659236951522
549	161	18949	-9261.1411327	87997.91720250766	39.34112616736482	-100.8321737	342108.1386	4356233.49138454	308.653235522795	2903.22754638794	2823.70144356170675	2831.0871188352	67.1493189686263	66.2363675527098
550	161	18950	-8601.1411327	87997.91720250766	39.34112677705731	-100.8298413	342309.1599	4356229.429940048	308.914164628973	2896.18311778424	2836.699538788885	2838.3845794497077	57.8302621973547	57.8302621973547
551	161	18951	-7941.1411327	87997.91720250766	39.34112731694325	-100.8275808	342510.1810532584	4356218.48704137	307.8672465214523	2894.110381477322	2840.1564986327033	2842.194096623903	53.938263459603	51.9618248480186
552	161	18952	-7281.1411327	87997.91720250766	39.34112786	-100.8251763	342711.2020440693	4356221.4871025	305.498157595671	2892.006646249741	2816.67397366061	2815.087158727601	73.326678368019	75.9184875221012
553	161	18953	-6621.1411327	87997.91720250766	39.3411283559181	-100.822849	342912.2228920742	4356217.475723	308.1314272460934	2893.673802169034	2822.42701169034	2823.6071802169034	60.93011259574462	60.966971259574462
554	161	18954	-5961.1411327	87997.91720250766	39.341128756272344	-100.8205114	343113.2435674773	4356213.47502669	307.740565114076	2898.809221917003	2828.37259709105	79.904846394407	70.34145304	70.34145304
555	161	18955	-5301.1411327	87997.91720250766	39.34112914968735	-100.8181789	343314.2641004848	4356209.465	304.67510474743026	2885.530432906722	2808.0325139513328	2807.79147743996	77.7389534227602	77.7389534227602
556	161	18956	-4641.1411327	87997.91720250766	39.3411294904864	-100.8158464	343515.2848413006	4356205.46	304.10832919822	2883.7627266977	2806.67232464554	2806.4921991518765	76.55546226124392	76.55546226124392
557	161	18957	-3981.1411327	87997.91720250766	39.34112973350844	-100.813514	343716.3047010131	4356201.455401642	303.1355257836542	2881.13114664196	2804.567996145728	2804.567996145728	75.84411852	75.84411852
558	161	18958	-3321.1411327	87997.91720250766	39.34113003259935	-100.8111815	343917.324787117	4356197.454804339	302.8038038108617	2878.89940202493	2802.806934	2802.8165034951363	70.09291436969923	70.09291436969923
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560	161	18960	-2001.1411327	87997.91720250766	39.34113039299167	-100.8065165	344319.3648496701	4356189.401190233	301.8743731299246	2874.621157489223	2799.8517173704953	2799.8517173704953	74.710012727298	74.710012727298
561	161	18961	-1341.1411327	87997.91720250766	39.341130510011844	-100.8041841	344520.38410969626	4356185.841379016	301.0742808066257	2872.717669	2798.270131087936	2798.56401188504	74.443573730639	74.15356589
562	161	18962	-681.14113269	87997.91720250766	39.34113057903833	-100.8018156	344721.403561736	4356181.434349076	301.07120355134636	2796.671057	2798.270124906074	74.592978	73.7401121545856	73.7401121545856
563	161	18963	-121.14132693	87997.91720250766	39.3411306033093	-100.7995191	344922.422902895	4356177.347810405	301.1621153155641	2869.4683246102674	2795.0412592595494	2796.235607893147	73.23273471712037	73.23273471712037
564	161	18964	638.85867303514	87997.91720250766	39.34113051892479	-100.7971866	345112.402735656	4356174.27280096	300.7542485960437	2793.45248619423	2793.45248619423	74.496277342125	72.60424917400471	72.60424917400471
565	161	18965	1298.85867303514	87997.91720250766	39.34113051892479	-100.7948542	345324.4610393914	4356169.420438639	300.92834288	2866.464173387338	2795.856537385197	2794.539748769084	74.58963602214135	71.960437092517
566	161	18966	1958.85867303514	87997.91720250766	39.34113045458922	-100.7925217	345525.4796647654	4356165.42085928	300.770666113514	2864.352614989298	2790.098763341346	2793.755875632494	74.5328265391709	71.13902593971125
567	161	18967	2618.85867303514	87997.91720250766	39.34113039299167	-100.789816	345739.3648496701	4356161.434349076	300.7542485960437	2863.75027697663	2788.548112389373	2793.75027697663	75.571630624162	75.571630624162
568	161	18968	3278.85867303514	87997.91720250766	39.341130047031676	-100.7876557	345927.5172548448	4356157.514360393	300.961804482534	2861.845761	2787.4875567959584	2794.1086337504	74.5393026762213	73.780773463628
569	161	18969	3938.85867303514	87997.91720250766	39.341129950252085	-100.7855243	346128.5357	4356151.41292571	300.86344492938	2860.265819896327	2786.334949001742	2794.39432249273	73.30807894650525	65.7809764711982
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571	161	18971	5258.8586730351	87997.91720250766	39.34112912777902	-100.7808593	346530.572070095	4356145.408629728	300.364424832134	2857.015340125074	2784.02890103248	2797.58158607277	73.989133048267	59.42916540792976
572	161	18972	5918.8586730351	87997.91720250766	39.341128791250476	-100.7785289	346731.5900347178	4356141.406738101	300.4859468274287	2855.34760858749	2782.77326758905	2797.9202578194013	75.72007899894415	57.42344093047815
573	161	18973	6578.8586730351	87997.91720250766	39.341112411702419	-100.7758164	346930.7249672853	4356138.459850891	300.374686226836	2853.34760858749	2782.77326758905	2797.9202578194013	75.72007899894415	57.42344093047815
574	161	18974	7238.8586730351	87997.91720250766	39.341112411702419	-100.7758164	346930.7249672853	4356138.459850891	300.374686226836	2853.34760858749	2782.77326758905	2797.9202578194013	75.72007899894415	57.42344093047815
575	161	18975	7898.8586730351	87997.91720250766	39.34112737633185	-100.7715294	347334.63470324844	4356120.40222288	300.112478630247	2850.140351885304	2778.182867569023	2781.61172455105	71.95748422936619	58.3241794030955
576	161	18976	8558.8586730351	87997.91720250766	39.34112681458132	-100.769197	347535.660533033	4356125.401103347	299.820225296069	2848.33281189996	2776.63189968508	2788.95317537634	71.95748422936619	58.3241794030955
577	161	18977	9218.8586730351	87997.91720250766	39.34112650777527	-100.7668465	347736.676854767	4356121.400177555	299.6238883895	2846.4790603802674	2775.2715742153887	2786.9723018791613	71.2074860923875	59.50674952656618
578	161	18978	9878.8586730351	87997.91720250766	39.3411255591373	-100.764532	347937.6946799677	4356117.39944899	299.33535918333	2844.574192746674	2774.042110671352	2787.263308031475	71.03192110849240	71.03192110849240
579	161	18979	10538.8586730351	87997.91720250766	39.34112458959686	-100.7621995	348138.1717068841	4356113.39805375	299.27659429935	2842.61127179588	2773.122643596823	2785.992098435515	70.48948733627357	70.48948733627357
580	161	18980	11198.8586730351	87997.91720250766	39.34111027135181	-100.759816	348339.7249672853	4356118.459850891	299.1491671712392	2840.56218213525	2772.46589208232	2781.1617898623053	71.1617898623053	71.1617898623053
581	161	18981	11858.8586730351	87997.91720250766	39.34111027135181	-100.759816	348339.7249672853	4356118.459850891	299.1491671712392	2840.56218213525	2772.46589208232	2781.1617898623053	71.1617898623053	71.1617898623053
582	161	18982	12518.8586730351	87997.91720250766	39.34112269711266	-100.7552021	348741.761352297	4356101.39485522	298.9084951150353	2836.295460192742	2771.651437763386	2780.54525054753	64.044022400356	58.746917672669
583	161	18983	13178.8586730351	87997.91720250766	39.34112269711266	-100.7552021	348741.761352297	4356101.39485522	298.9084951150353	2836.295460192742	2771.651437763386	2780.54525054753	64.044022400356	58.746917672669
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585	161	18985	14498.8586730351	87997.91720250766	39.34111973132924	-100.7482047	349344.8102435829	4356089.4	298.134117735410523	2831.646801074616	2771.03083255823	2774.6894105448073	61.056761879325	56.957396180085
586	161	18986	15158.8586730351	87997.91720250766	39.34111879192378	-100.7458722	349545.82615401485	4356085.400533172	297.7587271	2826.3846013229407	2770.3944251078474	2771.03083255823	61.056761879325	56.957396180085
587	161	18987	15818.8586730351	87997.91720250766	39.34111879192378	-100.7458722	349545.82615401485	4356085.400533172	297.7587271	2826.3846013229407	2770.3944251078474	2771.03083255823	61.056761879325	56.957396180085
588	161	18988	16478.8586730351	87997.91720250766	39.34111659250476	-100.7412073	349745.85737501	4356077.403	297.40574077900122	2821.0885751748756	2773.54555757362	2781.61172455105	71.95748422936619	58.3241794

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
671	161	119071	71258.85867307335	87997.91702507676	39.404687995659096	-105.476126	366631.6666935805	43557.64.174318926	2675.77288249271	2675.722881226048	2596.189006113123	2615.623692672846	79.53397510752484	60.099285807801734
672	161	119072	71219.85867307335	87997.91702507676	39.404683105836036	-105.445201	366832.67081141984	43557.42.191702551	2784.91539297139	2674.251379586533	2591.283179586533	2608.0121471089344	63.0226063155307	66.30209494696836
673	161	119073	72578.85867307335	87997.91702507676	39.4046876480104	-105.442978	367033.67581901154	43557.38.69276508	2787.200456709208	2687.689674816532	2591.283179586533	2608.0121471089344	63.0226063155307	66.30209494696836
674	161	119074	72388.85867307335	87997.91702507676	39.404831193093315	-105.406152	367234.6787628686	43557.34.227047347	2789.437309326733	2674.42710554631	2593.36083099131	2597.09536	86.1612745550037	74.36780513041097
675	161	119075	73898.85867307335	87997.91702507676	39.4048417708356	-105.3382827	367435.682466566	43557.30.2450052565	2784.17443106652	2670.0366747616335	2583.518248057907	2583.518248057907	86.1612745550037	74.36780513041097
676	161	119076	74558.85867307335	87997.91702507676	39.4048310980285	-105.359503	367636.681082522	43557.26.367150806	2784.800198552467	2668.591898552467	2579.042754512275	2579.042754512275	86.1612745550037	74.36780513041097
677	161	119077	75218.85867307335	87997.91702507676	39.4048379746717	-105.336178	367837.686891751	43557.22.38003125	2785.42575865257	2668.591898552467	2579.042754512275	2579.042754512275	86.1612745550037	74.36780513041097
678	161	119078	75878.85867307335	87997.91702507676	39.40483240047656	-105.351284	368038.6923346966	43557.18.20004458	2786.04661524063	2665.67486975715	2582.238246211077	2582.238246211077	86.1612745550037	74.36780513041097
679	161	119079	76538.85867307335	87997.91702507676	39.40482675783509	-105.359503	368239.6891582133	43557.14.18177043	2786.427086412315	2665.67486975715	2582.238246211077	2582.238246211077	86.1612745550037	74.36780513041097
680	161	119080	77178.85867307335	87997.91702507676	39.4048223013505	-105.352620	368440.692525183	43557.10.37691871	2787.103715160675	2662.721196609156	2590.05511282465	2590.05511282465	86.1612745550037	74.36780513041097
681	161	119081	77858.85867307335	87997.91702507676	39.4048170757508	-105.242858	368641.702272587	43557.06.306805935	2780.94018006326	2661.2356718405805	2579.0471313595883	2580.944681337745	86.1612745550037	74.36780513041097
682	161	119082	78518.85867307335	87997.91702507676	39.40481175996474	-105.251955	368842.70507262385	43557.02.371122255	2787.77300852127	2659.7412170113244	2578.02624993534	2578.02624993534	86.1612745550037	74.36780513041097
683	161	119083	79178.85867307335	87997.91702507676	39.40480372799565	-105.2196231	369043.707915084	43556.98.39501731	2775.901381741234	2656.785983	2590.683592914822	2590.683592914822	86.1612745550037	74.36780513041097
684	161	119084	79838.85867307335	87997.91702507676	39.40480094579474	-105.172906	369244.710384399	43556.94.415301448	2772.325339721107	2656.734974043324	2574.81105710986	2574.81105710986	86.1612745550037	74.36780513041097
685	161	119085	80488.85867307335	87997.91702507676	39.4047947680451	-105.149852	369445.71285162494	43556.90.48318462	2768.7492877133895	2655.225364	2572.907694	2572.907694	86.1612745550037	74.36780513041097
686	161	119086	81138.85867307335	87997.91702507676	39.40478995874017	-105.125127	369646.7115326797	43556.86.452594675	2765.712235691074	2653.714274905653	2570.70048738109	2570.70048738109	86.1612745550037	74.36780513041097
687	161	119087	81818.85867307335	87997.91702507676	39.404783696897	-105.102933	369847.7174096733	43556.82.45625793	2757.579725865474	2652.195764204202	2568.178716535387	2568.178716535387	86.1612745550037	74.36780513041097
688	161	119088	82478.85867307335	87997.91702507676	39.404778815047	-105.079608	370048.719007476	43556.78.495696211	2757.96875767512	2650.676950606097	2565.577609684733	2565.577609684733	86.1612745550037	74.36780513041097
689	161	119089	83138.85867307335	87997.91702507676	39.404773151606	-105.056284	370249.72146690304	43556.74.15637833	2754.357789664484	2649.1556224922374	2562.727020071867	2562.727020071867	86.1612745550037	74.36780513041097
690	161	119090	83798.85867307335	87997.91702507676	39.404767341058	-105.032599	370450.72330815725	43556.70.43748106	2752.463458506813	2647.632458506813	2559.206785725972	2559.206785725972	86.1612745550037	74.36780513041097
691	161	119091	84458.85867307335	87997.91702507676	39.4047618402084	-105.009635	370651.720252537	43556.66.558517267	2748.040898281407	2646.108306691097	2554.662411111507	2554.662411111507	86.1612745550037	74.36780513041097
692	161	119092	85118.85867307335	87997.91702507676	39.4047565844043	-104.98931	370852.7266182186	43556.62.59745583	2746.238794184032	2644.584158272434	2554.3647587150367	2554.3647587150367	86.1612745550037	74.36780513041097
693	161	119093	85838.85867307335	87997.91702507676	39.40475112719881	-104.965769	371059.726972004	43556.58.69230416	2744.237086412315	2642.70048738109	2552.90748738109	2552.90748738109	86.1612745550037	74.36780513041097
694	161	119094	86438.85867307335	87997.91702507676	39.40474413426036	-104.939661	371254.7294314895	43556.54.62778071	2742.635091239470	2641.543760438912	2552.352070096330	2552.352070096330	86.1612745550037	74.36780513041097
695	161	119095	87098.85867307335	87997.91702507676	39.4047381210888	-104.916337	371455.7065247515	43556.50.64482479	2740.026821918345	2640.031570744913	2552.5093414898586	2552.5093414898586	86.1612745550037	74.36780513041097
696	161	119096	87758.85867307335	87997.91702507676	39.404732326038	-104.893012	371656.73147996884	43556.46.66657892	2738.779355858717	2638.530663690917	2542.262029257954	2542.262029257954	86.1612745550037	74.36780513041097
697	161	119097	88418.85867307335	87997.91702507676	39.404726289261	-104.869688	371857.7327	43556.42.68677593	2737.435475	2637.0435559815817	2542.46528183056	2542.46528183056	86.1612745550037	74.36780513041097
698	161	119098	89078.85867307335	87997.91702507676	39.4047202374092	-104.846393	372058.7337529775	43556.38.71148277	2736.174124935027	2635.574993409685	2542.779353260933	2542.779353260933	86.1612745550037	74.36780513041097
699	161	119099	89738.85867307335	87997.91702507676	39.40471412719881	-104.823038	372259.72697334	43556.34.792310335	2734.782306412315	2634.119843621617	2542.90748738109	2542.90748738109	86.1612745550037	74.36780513041097
700	161	119100	90398.85867307335	87997.91702507676	39.40470778019576	-104.799474	372460.734091151	43556.30.75485364	2732.9195748496	2632.5893021012108	2542.67427753364	2542.67427753364	86.1612745550037	74.36780513041097
701	161	119101	91058.85867307335	87997.91702507676	39.40470178450426	-104.77339	372661.73539221985	43556.26.79427129	2731.6780279955	2631.284806617239	2542.155409726023	2542.155409726023	86.1612745550037	74.36780513041097
702	161	119102	91718.85867307335	87997.91702507676	39.4046954244234	-104.753066	372862.737530593	43556.22.80229958	2730.13602985041	2629.902420772827	2541.16307186583	2541.16307186583	86.1612745550037	74.36780513041097
703	161	119103	92378.85867307335	87997.91702507676	39.40468925483335	-104.729741	373063.7359918423	43556.18.82932614	2729.8857603801493	2628.563447485641	2539.7630510152762	2539.7630510152762	86.1612745550037	74.36780513041097
704	161	119104	93038.85867307335	87997.91702507676	39.4046823366778	-104.706417	373264.7331	43556.14.849	2728.06467852202	2627.24713072778	2537.980291984726	2537.980291984726	86.1612745550037	74.36780513041097
705	161	119105	93698.85867307335	87997.91702507676	39.4046765979757	-104.689392	373465.7331040528	43556.10.873190605	2726.20464171502916	2625.96149838931	2536.1956672282496	2536.1956672282496	86.1612745550037	74.36780513041097
706	161	119106	94338.85867307335	87997.91702507676	39.40467112719881	-104.665769	373678.7337529775	43556.06.792310335	2724.782306412315	2624.70048738109	2534.90748738109	2534.90748738109	86.1612745550037	74.36780513041097
707	161	119107	95018.85867307335	87997.91702507676	39.4046636789326	-104.643643	373867.7337529775	43556.02.92127637	2723.634888131267	2623.479142923607	2533.555413068056	2533.555413068056	86.1612745550037	74.36780513041097
708	161	119108	95678.85867307335	87997.91702507676	39.40465716759151	-104.613119	374068.733620556	43555.98.94517642	2721.670486903002	2622.278052567346	2528.8136980200234	2528.8136980200234	86.1612745550037	74.36780513041097
709	161	119109	96338.85867307335	87997.91702507676	39.404651377044	-104.589794	374269.7348727924	43555.94.97013662	2688.106805148073	2621.098618021908	2526.268223818519	2526.268223818519	86.1612745550037	74.36780513041097
710	161	119110	96998.85867307335	87997.91702507676	39.4046401462711	-104.56647	374470.734262904	43555.90.94697569	2686.942763316426	2619.936658498354	2525.015751367348	2525.015751367348	86.1612745550037	74.36780513041097
711	161	119111	97658.85867307335	87997.91702507676	39.40463473042936	-104.543416	374671.733359923	43555.87.019572525	2685.681675917022	2618.787684470312	2524.17812680432	2524.17812680432	86.1612745550037	74.36780513041097
712	161	119112	98318.85867307335	87997.91702507676	39.40463061170876	-104.519121	374872.7327	43555.83.04451408	2684.763295709365	2617.647829121059	2523.710783121059	2523.710783121059	86.1612745550037	74.36780513041097
713	161	119113	98938.85867307335	87997.91702507676	39.404626762004	-104.493712	375078.7337529775	43555.79.154304	2683.730489338218	2616.730489338218	2522.90748738109	2522.90748738109	86.1612745550037	74.36780513041097

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SurfBothKrg.ft		
57	162	11917	-333881.1413	898657.3170250766	-0.19377481009276	-0.19797179	24317.09093434282	4358429.433005794	3839.6696580719267	3890.2754035925143	3590.2364941508145	3591.773403528885	98.98104840849988	98.444370821	
58	162	11918	-333321.1413	898657.3170250766	-0.19773858	243388.2129348440	4358425.330507585	3839.63063406923	3688.917647254173	3590.834705581011	3593.3803740116885	98.06284184476042	96.53721042408279	96.53721042408279	
59	162	11919	-332661.1413	898657.3170250766	-0.19761606	244796.0547012271	4358396.33339841954	3838.644017654921	3688.944691943	3591.041223245447	3594.3801195	98.0334587016223	96.86840848522166	96.86840848522166	
60	162	11920	-332001.1413	898657.3170250766	-0.1975727214	243790.454293574	4358417.12101224	3844.180927266017	3688.962661768127	3591.051055704586	3594.6464294415273	98.060360332192	91.72823232657538	91.72823232657538	
61	162	11921	-331341.1413	898657.3170250766	-0.197526642763306	-0.19730893	243991.5748446481	4358413.024448051	3842.222004653093	3685.1562396120263	3590.037350748096	3593.800652119914	95.1225044321678	91.35568239211228	91.35568239211228
62	162	11922	-330681.1413	898657.3170250766	-0.197480571	244192.695190051	4358408.92484225	3850.260264503965	3683.923198269073	3589.725711307784	3591.606128193748	94.20642815621896	92.32620245	92.32620245	
63	162	11923	-330021.1413	898657.3170250766	-0.197457249	244393.81528021907	4358409.9769719	3851.555701306984	3682.710537200607	3588.572197	3588.54589899795	94.19507722001702	94.2615548276547	94.2615548276547	
64	162	11924	-329361.1413	898657.3170250766	-0.197436328	244594.9312424525	4358400.82966134	3851.098959	3681.507816605809	3587.189215555807	3584.637426275086	94.3186010500169	96.87033033072728	96.87033033072728	
65	162	11925	-328701.1413	898657.3170250766	-0.19741606	244796.0547012271	4358396.33339841954	3838.644017654921	3688.944691943	3591.041223245447	3594.3801195	98.0334587016223	96.86840848522166	96.86840848522166	
66	162	11926	-328041.1413	898657.3170250766	-0.197377817	244957.1740324785	4358392.517618094	3850.18817642033	3679.04042360354	3583.624561312405	3576.58835611671	95.4703623737491	95.4703623737491	95.4703623737491	
67	162	11927	-327381.1413	898657.3170250766	-0.197356392	245188.2931111659	4358384.416848426	3850.0623969684825	3678.04718686484	3581.6319029702245	3574.278937473937	96.0628408525972	96.0628408525972	96.0628408525972	
68	162	11928	-326721.1413	898657.3170250766	-0.1973228566981	-0.19545064	245399.4193749498	4358384.416848426	3850.0623969684825	3676.67492053986	3579.446060947483	97.22143211065028	95.04513933849415	95.04513933849415	
69	162	11929	-326061.1413	898657.3170250766	-0.19731379	245600.53051168178	4358380.21604012	3850.07097516289	3675.40797516289	3578.997622	3569.397117989588	94.0420956468461	94.0420956468461	94.0420956468461	
70	162	11930	-325401.1413	898657.3170250766	-0.197346738	245801.64883431905	4358376.11590875	3850.0762528992426	3674.1974273083427	3574.448643523831	3567.528271769244	94.7847837849375	96.6692145916034	96.6692145916034	
71	162	11931	-324741.1413	898657.3170250766	-0.19734957122402	-0.197407678	246022.769804471	4358376.11590875	3850.0762528992426	3674.1974273083427	3574.448643523831	3567.528271769244	94.7847837849375	96.6692145916034	
72	162	11932	-324081.1413	898657.3170250766	-0.19733711716124	-0.19744735	246203.884723816	4358367.1023273741	3849.173056691473	3671.851359100971	3569.651121280759	94.56435487987861	94.0002377021238	94.0002377021238	
73	162	11933	-323421.1413	898657.3170250766	-0.197333816362146	-0.197424031	246405.0029101535	4358363.816968124	3848.103554989068	3670.33767388996	3565.645262022498	95.63375331482372	94.69241236648905	94.69241236648905	
74	162	11934	-322761.1413	898657.3170250766	-0.197357581737268	-0.197400709	246605.197750257	4358359.717357234	3847.034014264758	3668.909114632067	3563.770676213753	95.61291409	94.69241236648905	94.69241236648905	
75	162	11935	-322101.1413	898657.3170250766	-0.1973778132578	-0.197377388	246807.2367730978	4358355.618206801	3845.3804511849	3667.602902922923	3563.884991123156	95.61291409	94.69241236648905	94.69241236648905	
76	162	11936	-321441.1413	898657.3170250766	-0.197359846234605	-0.19735406	247008.3536879085	4358351.14396527185	3843.1396527184	3666.1702744674534	3563.8732980677748	95.61291409	94.69241236648905	94.69241236648905	
77	162	11937	-320781.1413	898657.3170250766	-0.1973307417660264	-0.197330741	247209.401523577	4358343.420510063	3840.907460027327	3664.86855240371	3564.052822	95.61291409	94.69241236648905	94.69241236648905	
78	162	11938	-320121.1413	898657.3170250766	-0.197364354093052	-0.197307422	247470.586465337	4358340.31956635	3838.6702381403165	3663.174271671576	3562.9423700070412	95.61291409	94.69241236648905	94.69241236648905	
79	162	11939	-319461.1413	898657.3170250766	-0.197377651583807	-0.19739274	247626.108304178	4358336.224	3836.243084131115	3662.530801589816	3562.530801589816	95.61291409	94.69241236648905	94.69241236648905	
80	162	11940	-318801.1413	898657.3170250766	-0.197367825533939	-0.197306708	247812.8183454058	4358335.125441419	3833.641223812906	3659.88719203375	3565.874454200534	95.61291409	94.69241236648905	94.69241236648905	
81	162	11941	-318141.1413	898657.3170250766	-0.197370895067715	-0.197323456	248013.8330891157	4358331.024749617	3831.034167210965	3658.16710773033	3567.409446257786	95.61291409	94.69241236648905	94.69241236648905	
82	162	11942	-317481.1413	898657.3170250766	-0.19737706969482	-0.197321434	248215.042923391	4358326.929715009	3828.4271105847324	3656.386071955031	3568.4668304513198	95.61291409	94.69241236648905	94.69241236648905	
83	162	11943	-316821.1413	898657.3170250766	-0.197377523975234	-0.197390812	248416.16428949367	4358324.5813471495	3824.5841835760785	3654.59481531326	3568.9167318322266	95.61291409	94.69241236648905	94.69241236648905	
84	162	11944	-316161.1413	898657.3170250766	-0.1973777394380881	-0.197316749	248617.2791067975	4358318.747733565	3819.5052472730129	3652.6631978404138	3568.306521889943	95.61291409	94.69241236648905	94.69241236648905	
85	162	11945	-315501.1413	898657.3170250766	-0.197377651583807	-0.197316749	248818.367938035	4358314.423696924	3816.4423694697307	3650.73193412576	3568.454320872326	95.61291409	94.69241236648905	94.69241236648905	
86	162	11946	-314841.1413	898657.3170250766	-0.1973777173550	-0.197310246	249019.5706574807	4358310.540628404	3809.3475835177855	3650.73193412576	3568.454320872326	95.61291409	94.69241236648905	94.69241236648905	
87	162	11947	-314181.1413	898657.3170250766	-0.197373848712855	-0.197307524	249220.6221	4358306.4349669	3806.2772606545733	3648.7689708726066	3556.443033	95.61291409	94.69241236648905	94.69241236648905	
88	162	11948	-313521.1413	898657.3170250766	-0.197378591147466	-0.197307524	249422.6221	4358302.34726904	3805.2772606545733	3644.7488051288974	3547.5311659226793	95.61291409	94.69241236648905	94.69241236648905	
89	162	11949	-312861.1413	898657.3170250766	-0.19737881290773765	-0.197305088	249622.8494601863	4358298.250893662	3799.249301672729	3642.7109662342165	3553.132647192193	95.61291409	94.69241236648905	94.69241236648905	
90	162	11950	-312201.1413	898657.3170250766	-0.197307524	-0.197307524	249823.76766204	4358294.154968374	3796.2258162901534	3640.660706017534	3550.637737795544	95.61291409	94.69241236648905	94.69241236648905	
91	162	11951	-311541.1413	898657.3170250766	-0.197307524	-0.197307524	250027.058655478	4358290.05870212	3794.577334348864	3640.660706017534	3550.637737795544	95.61291409	94.69241236648905	94.69241236648905	
92	162	11952	-310881.1413	898657.3170250766	-0.197307524	-0.197307524	250207.36766204	4358286.250893662	3792.58162901534	3638.243084131115	3548.243084131115	95.61291409	94.69241236648905	94.69241236648905	
93	162	11953	-310221.1413	898657.3170250766	-0.197307524	-0.197307524	250407.36766204	4358282.58162901534	3790.243084131115	3546.243084131115	3546.243084131115	95.61291409	94.69241236648905	94.69241236648905	
94	162	11954	-309561.1413	898657.3170250766	-0.197307524	-0.197307524	250628.4136	4358277.71918462	3787.9756874532652	3632.40058514537	3538.84525428299	95.61291409	94.69241236648905	94.69241236648905	
95	162	11955	-308901.1413	898657.3170250766	-0.197308060257945	-0.197308060	250829.7552088276	4358276.767167467	3782.56875658261	3630.40968114537	3538.84525428299	95.61291409	94.69241236648905	94.69241236648905	
96	162	11956	-308241.1413	898657.3170250766	-0.197308060257945	-0.197308060	251030.6375526296	4358269.581721168	3780.243084131115	3628.243084131115	3537.5307476636	95.61291409	94.69241236648905	94.69241236648905	
97	162	11957	-307581.1413	898657.3170250766	-0.197308060	-0.197308060	251231.74915003392	4358265.48904659	3780.243084131115	3626.243084131115	3537.5307476636	95.61291409	94.69241236648905	94.69241236648905	
98	162	11958	-306921.1413	898657.3170250766	-0.197308060	-0.197308060	251432.860501248	4358261.39234238	3780.243084131115	3624.208782	3536.594152606572	95.61291409	94.69241236648905	94.69241236648905	
99	162	11959	-306261.1413	898657.3170250766	-0.197308060	-0.197308060	251633.024659213	4358257.368190924	3778.243084131115	3622.408782	3535.429186279389	95.61291409	94.69241236648905	94.69241236648905	
100	162	11960	-305601.1413	898657.3170250766	-0.197308060	-0.197308060	251835.024659213	4358253.2036641	3776.243084131115	3620.408782	3534.43669941894	95.61291409	94.69241236648905	94.69241236648905	
101	162	11961	-304941.1413	898657.3170250766	-0.197308060	-0.197308060	252036.1937980104	4358249.41	3774.243084131115	3618.169417019106	3524.0908219209523	95.61291409	94.69241236648905		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
182	162	19323	-250821.1413	896657.3170250766	39.33668980460161	-01.685548	268526.44571286	4357914.09999077	3659.724479	3559.1456623032425	3375.373945112852	3375.4642812311286	83.7116809039035	83.68128197
184	162	19324	-250161.1413	896657.3170250766	39.339706904264105	-01.683325	268727.5384525446	435776.65072930352	3657.616571192665	3457.74673483195048	3373.965483195048	3373.965483195048	83.7426528913473	83.7812654878426
185	162	19325	-249501.1413	896657.3170250766	39.33972365907607	-01.6811902	268830.5291716462	435795.9148180291	3655.506833907824	3456.260638290778	3372.248038907824	3372.497774877824	83.7128740031192	83.86293001385164
186	162	19326	-248841.1413	896657.3170250766	39.339740684373	-01.6788578	2689127.919662351	435790.83723263	3653.400755802240	3454.968819861178	3370.610293521240	3370.3531750074023	83.6905806969359	84.0530236071723
187	162	19327	-248181.1413	896657.3170250766	39.33975732348443	-01.6765255	269330.80992571666	4357897.760422964	3651.86093535849	3453.633030626844	3368.7141664485985	3369.057600486387	84.0188641782479	84.5753401584496
188	162	19328	-247521.1413	896657.3170250766	39.33977485240872	-01.6741932	269531.89961097123	435788.63832266	3650.889220513021	3452.295126510371	3366.3021419112256	3366.5528370293687	85.09226459914553	85.74130242668416
189	162	19329	-246861.1413	896657.3170250766	39.339791726818405	-01.6718708	269732.98976898217	4357889.066067472	3648.917468982127	3450.973714613925	3363.329067243703	3363.329067243703	87.64446473702219	87.637063368219
190	162	19330	-246201.1413	896657.3170250766	39.33980556177424	-01.669528	269934.073984758	4357885.30308404	3648.94575374394	3449.6853971332494	3360.71782970033	3360.6777057671566	88.0191883615908	89.0076913609475
191	162	19331	-245541.1413	896657.3170250766	39.33982534048576	-01.6671962	270135.1687030864	4357884.45896755	3647.438186381695	3448.426902808544	3359.278912710313	3359.278912710313	88.7426421325568	88.7426421325568
192	162	19332	-244881.1413	896657.3170250766	39.33984207974335	-01.6648438	270336.257327155	4357877.377577154	3645.9065669997	3446.426902808544	3358.64387598979	3358.64387598979	88.539123206	88.5862513542189
193	162	19333	-244221.1413	896657.3170250766	39.33985873850205	-01.6625315	270537.36472967147	4357873.01956973	3643.351450383434	3445.9716157477733	3357.38602238581	3357.434368225898	88.5853036419238	88.55726876551353
194	162	19334	-243561.1413	896657.3170250766	39.339875423106264	-01.6601992	270738.4354031576	4357869.226236241	3643.70806046687	3444.7869890074803	3355.8391777393963	3355.9084604365	88.0478112680842	88.67826860111525
195	162	19335	-242901.1413	896657.3170250766	39.33989202721155	-01.6578766	270939.5239	4357865.19079193	3638.7709250745371	3443.62950745371	3354.2255190028177	3354.27568745455	89.4308874255334	89.3580292082933
196	162	19336	-242241.1413	896657.3170250766	39.3399058626591	-01.6555345	271140.612071546	4357861.07537826	3638.764275784714	3442.497975784714	3352.785947239439	3352.812135962807	89.7120285425719	89.685641884334
197	162	19337	-241581.1413	896657.3170250766	39.33992510026946	-01.6532022	271341.3006065855	4357857.002424375	3637.7495051282654	3441.3917670208402	3351.985796568372	3351.985796568372	89.4037157006946	89.3804694542872
198	162	19338	-240921.1413	896657.3170250766	39.33994156922206	-01.6508698	271542.787363522	4357852.92530312	3636.734478775846	3440.300232712618	3351.17784248109365	3351.18620533082	89.3307890168146	89.4461813819393
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200	162	19340	-239601.1413	896657.3170250766	39.339974371974435	-01.6462051	271944.8626997337	4357844.758919348	3632.72822022332	3438.208321905366	3351.611330029739	3351.628422424725	86.596901607976	85.240349406413
201	162	19341	-238941.1413	896657.3170250766	39.33999070577411	-01.6438728	272146.409793889	4357840.702	3630.382553105737	3437.185664386977	3351.226836746932	3351.313284515713	85.86933586712645	85.86933586712645
202	162	19342	-238281.1413	896657.3170250766	39.34000694530646	-01.6415405	272347.1367277857	4357836.627516118	3628.062689789136	3436.1784741390475	3350.66950320577	3350.751312684515	85.8086480703977	85.4273434297571
203	162	19343	-237621.1413	896657.3170250766	39.3400232822841	-01.6392071	272548.234072869	4357830.535599921	3626.4028257195814	3435.184098971178	3349.872917158597	3349.8491576168607	85.3120072127647	85.2381520027546
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205	162	19345	-236301.1413	896657.3170250766	39.3400556407022	-01.6345482	272950.4962012193	4357771.467717652	3624.420545039	3432.904545039	3347.278912710313	3347.278912710313	85.9491924945121	85.9491924945121
206	162	19346	-235641.1413	896657.3170250766	39.3400717	-01.6322111	273151.4819514573	4357820.32969243	3623.44177974684	3432.256565128907	3345.4770074797034	3345.709525139089	86.4154684903041	86.4154684903041
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208	162	19348	-234321.1413	896657.3170250766	39.34010378094916	-01.6275464	273553.6526771373	4357812.18623641	3618.14473078699	3430.337911671675	3340.558951941477	3340.558951941477	89.7782648202086	89.7782648202086
209	162	19349	-233661.1413	896657.3170250766	39.34011975433968	-01.6252514	273754.7385688123	4357804.135426	3616.942350827859	3429.378264878364	3337.83194946621	3337.83194946621	91.393403077616	91.393403077616
210	162	19350	-233001.1413	896657.3170250766	39.340135662678934	-01.6228817	273955.8236472923	4357804.041	3611.73990567162	3428.416557103028	3334.934169514344	3334.934169514344	93.4823875	93.2284036
211	162	19351	-232341.1413	896657.3170250766	39.34015164994968	-01.620548	274156.9650116679	4357800.96973731	3608.458336964698	3427.4489770651312	3332.9896298964698	3332.9896298964698	94.71756555538	94.71756555538
212	162	19352	-231681.1413	896657.3170250766	39.34016740240341	-01.618127	274358.031338366	4357795.897	3605.09167020658	3426.420545039	3331.817978671382	3331.817978671382	95.8147447	95.8147447
213	162	19353	-231021.1413	896657.3170250766	39.34018373738862	-01.6158846	274559.0775434556	4357791.827479426	3601.739632366734	3425.497037125216	3329.735889721207	3329.735889721207	96.762044039909	95.552802903075
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215	162	19355	-229701.1413	896657.3170250766	39.340214648604814	-01.6112199	274961.254695755	4357783.681	3594.21220233966	3423.51047498814	3327.4236606257664	3327.4236606257664	98.09138721141504	98.052307972166818
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218	162	19358	-227721.1413	896657.3170250766	39.34026148754304	-01.604228	275564.4962012193	4357771.467717652	3582.37104254039	3420.484517194853	3324.54075323626	3324.54075323626	99.8438192924913	99.8438192924913
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220	162	19360	-226401.1413	896657.3170250766	39.34029248824415	-01.5995581	275966.662190192	4357763.3263041	3574.00705001095	3418.47664108963	3325.4416093751547	3325.056271570436	99.3305316938036	99.3305316938036
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222	162	19362	-225081.1413	896657.3170250766	39.3403233073881	-01.5948934	276368.8272481987	4357755.18568223	3570.24703069416	3416.4858051503438	3323.87854444837	3323.87854444837	99.6103057	99.6103057
223	162	19363	-224421.1413	896657.3170250766	39.3403385140865	-01.592561	276569.909434406	4357751.11565491	3568.7761777628	3415.519607167478	3321.9828961487174	3321.9828961487174	99.756160716757	99.756160716757
224	162	19364	-223761.1413	896657.3170250766	39.340353594920806	-01.5902296	276770.9914813696	4357747.04589136	3567.53342920003	3414.5743315243753	3319.930427265517	3319.930427265517	99.330427265517	99.330427265517
225	162	19365	-223101.1413	896657.3170250766	39.34036912903968	-01.587948	276972.06211861	4357743.82646384	3565.0789896958877	3413.54075323626	3318.9629896958877	3318.9629896958877	99.8438192924913	99.8438192924913
226	162	19366	-222441.1413	896657.3170250766	39.34038441	-01.5855639	277173.1540781076	4357737.3665743	3563.72498514134	3412.761931527717	3315.434691131005	3315.434691131005	99.3084623047629	99.3084623047629
227	162	19367	-221781.1413	896657.3170250766	39.34039957157078	-01.5832315	277374.2360233363	4357734.837491251	35					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevBothK.f	SurfHtKgs.f	SurfHtBoth.f
292	16149	1467661.1413	898657.3170250766	39.341489579730634	-101.391743	293862.1760620625	4357401.826	3410.0822591424576	3410.145552195155	3229.9679804394794	3229.8435561360276	319.7765472603605	79.308000034893794	
310	16149	1467001.1413	898657.3170250766	39.341501002029214	-101.396419	294463.23862245628	4357387.7979232	3407.8914116651465	3408.115220589484	3228.461970294066	3228.303277463577	79.6533139297707	79.81194349472707	
331	16149	1466281.1413	898657.3170250766	39.341491239	-101.387304	294534.3034167678	4357383.7202921543	3397.9748431958271	3397.9748431958271	3228.952702385467	3228.69156528482	80.378130212872	80.378130212872	
212	16149	1465681.1413	898657.3170250766	39.34152371375755	-101.384977	294605.3686086701	4357389.66781802	3402.536661	3305.9125371077585	3225.1798948056951	3225.030423020952	80.872630245819718	80.872630245819718	
313	16149	1465021.1413	898657.3170250766	39.341535001696236	-101.382445	294666.4299865304	4357385.161263641	3399.68604582506	3304.7392753077434	3223.666143971577	3223.51624755031	81.0731313361617	81.22236505240253	
314	16149	1464361.1413	898657.3170250766	39.34154624545275	-101.3803121	294867.49286656126	4357384.03663745	3396.860094612321	3303.91523816194271	3222.363193	3222.21516194271	81.064502948645	81.064502948645	
315	16149	1463701.1413	898657.3170250766	39.341557443255295	-101.3779797	295068.55577272299	4357373.51051898	3392.9104605480526	3302.259303530042	3221.335008593253	3221.1762008053823	80.981898494	81.0777027458629	
316	16149	1463041.1413	898657.3170250766	39.341568595103766	-101.3756472	295269.6183579529	4357374.49329819	3392.453443398654	3300.9444728720027	3220.4583482786816	3220.264583195303	80.486142933216	80.678611593690977	
317	16149	1462341.1413	898657.3170250766	39.34157970278625	-101.3733146	295470.6801772543	4357376.407939363	3392.984641852638	3299.591382398686	3219.121594136954	3218.82296398484	80.4715442678684	80.4715442678684	
318	16149	1461721.1413	898657.3170250766	39.34159076538649	-101.370823	295671.7420448815	4357385.36181294	3392.777469400099	3298.2019358814	3217.500796110223	3217.1960079538203	80.6002974732467	81.050085432777	
319	16149	1461061.1413	898657.3170250766	39.34160178302497	-101.3686499	295872.8049	4357361.305	3393.6653777373756	3296.71379929111	3217.9832760180184	3217.8233069060846	80.6002974732467	81.050085432777	
320	16149	1460401.1413	898657.3170250766	39.34161275555721	-101.3663174	296073.8666878099	4357357.253911516	3390.5758905313614	3295.307189077158	3218.678325582022	3218.215434900264	76.6286831895577	76.56565417889399	
321	16149	1459741.1413	898657.3170250766	39.341623683035316	-101.363685	296274.92862877825	4357353.920360789	3387.52003325437	3293.81134790715	3219.654938685973	3219.654938685973	73.9605215442714	73.9605215442714	
322	16149	1459081.1413	898657.3170250766	39.34163456549591	-101.361625	296475.968945591	4357349.15243947	3384.4604162939332	3292.2683387311	3220.947344278797	3220.747344278797	71.33930910871368	71.0517047	
323	16149	1458421.1413	898657.3170250766	39.341645402825066	-101.3593201	296677.0563037594	4357345.197018226	3381.95196281971	3291.2651139196326	3222.369899211572	3222.0670891619222	68.8941197003553	68.8941197003553	
324	16149	1457761.1413	898657.3170250766	39.341656195144694	-101.3569876	296878.118113786	4357341.051711772	3378.8725723277327	3289.1587960674	3224.009712	3224.0540365667	64.5050695021668	64.5050695021668	
325	16149	1457101.1413	898657.3170250766	39.34166694	-101.3546552	297078.1729828792	4357337.001967425	3366.169055	3287.5888479030616	3225.9165827920375	3226.5465115023994	61.642265110754124	61.0132364066221	
326	16149	1456441.1413	898657.3170250766	39.34167764461329	-101.3523227	297280.231749104	4357335.01761285	3353.46665825882	3285.932768543498	3227.73428183819	3228.408038966246	58.1799467053099	57.5313927627752	
327	16149	1455781.1413	898657.3170250766	39.341688301766226	-101.3499903	297481.29355737311	4357328.902123233	3350.28130549727	3280.280158692703	3228.9446891955167	3229.48534767545	54.5976239251629	54.5976239251629	
328	16149	1455121.1413	898657.3170250766	39.34169801386491	-101.3476578	297682.35374179756	4357324.852496388	3348.0411396618353	3282.60178022338	3229.9850847616117	3229.644517415421	53.60530436270645	53.60530436270645	
329	16149	1454461.1413	898657.3170250766	39.341709480999934	-101.3452524	297883.4137701153	4357320.803	3345.32507628874	3280.985214444052	3228.40470408294	3228.3641494972185	52.4908586	52.60250048683673	
330	16149	1453801.1413	898657.3170250766	39.3417200299957	-101.3429259	298088.4735136796	4357316.75428762	3340.650128756146	3279.158609303471	3227.91692018481	3227.84138043042	51.2510832101498	50.7944712874358	
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334	16149	1451161.1413	898657.3170250766	39.34176164032137	-101.333631	298888.710	4357300.56	3338.30945572768	3271.869264234603	3227.07588827327	3226.625776530447	43.99867541613321	43.4234864	
335	16149	1450501.1413	898657.3170250766	39.34177193703961	-101.3313036	299089.7695759643	4357296.5118004335	3334.842750127783	3269.9551815634713	3219.9365241123254	3219.9365241123254	42.93289133232849	42.93289133232849	
336	16149	1449841.1413	898657.3170250766	39.34178218873041	-101.3289892	299280.8281756684	4357292.463889372	3334.749820352476	3268.053008985497	3212.214232147251	3212.1975604417836	42.792873869495	42.792873869495	
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338	16149	1448521.1413	898657.3170250766	39.34180325333	-101.3243333	299692.547733654	4357284.6373654	3327.29862550175	3259.4305562628	3210.043543107177	3210.043543107177	42.59449494874	42.59449494874	
339	16149	1447861.1413	898657.3170250766	39.34181287336809	-101.3220008	299894.002792499	4357280.321328042	3327.1874893303026	3256.136970306567	3209.498984765986	3209.3883935172875	42.5057154578082	42.5057154578082	
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343	16149	1445221.1413	898657.3170250766	39.34185266824524	-101.312671	300888.2326692454	4357264.133980318	3321.671210823693	3254.781820241916	3209.5502919359	3209.7942638910628	42.0278919040689	42.0278919040689	
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345	16149	1443901.1413	898657.3170250766	39.34187246225255	-101.308006	301100.3467773525	4357256.041	3320.93827790337	3249.363874911252	3209.5502919359	3209.5502919359	41.8253363767721	41.8253363767721	
346	16149	1443241.1413	898657.3170250766	39.3418822734385	-101.3056736	301301.403365581	4357251.99551978	3316.055877566205	3247.152150076037	3209.683760156282	3209.683760156282	41.74683093507815	41.74683093507815	
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348	16149	1441921.1413	898657.3170250766	39.34190164441693	-101.3010087	301703.5160552326	4357243.90418866	3310.42039472038	3242.837196484064	3208.9729331	3208.9729331	41.5830291305663	41.5830291305663	
349	16149	1441261.1413	898657.3170250766	39.341911360371455	-101.2986762	301904.57196719167	4357239.859	3307.50546370381	3240.674595	3208.711265577231	3208.711265577231	41.5032949914858	41.5032949914858	
350	16149	1440601.1413	898657.3170250766	39.34192081271311	-101.2963437	302105.6276847635	4357235.81393927	3304.586800255426	3238.50717420555	3208.49762759944	3208.49762759944	41.4332774889392	41.4332774889392	
351	16149	1440041.1413	898657.3170250766	39.34193087676587	-101.294068	302306.7686676542	4357231.65392765	3301.05678612271	3236.93838497108	3208.370528497108	3208.370528497108	41.3580717026798	41.3580717026798	
352	16149	1439281.1413	898657.3170250766	39.34194100879508	-101.2916788	302507.7313936086	4357227.723690915	3306.05890703833	3234.156417828077	3208.255733202772	3208.255733202772	41.281911988234165	41.281911988234165	
353	16149	1438621.1413	898657.3170250766	39.34194957364254	-101.2893463	302708.794380449	4357223.6728146	3308.078122923948	3231.965926166086	3208.746507869697	3208.746507869697	41.21534346911765	41.21534346911765	
354	16149	1437961.1413	898657.3170250766	39.34195901432344	-101.2870139	302909.8496435596								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevKgs.f	SurfElev.f	W.Lt.f
435	162	119575	-84501.14133	898657.3170250766	39.34257408	-110.098022	31914.68724108406	4356892.686224739	623.6123895867905	3209.726775	2984.665847999955	2984.7316368022963	45.06092723772508	44.9951354833887
436	162	119576	-83841.14133	898657.3170250766	39.34257962725928	-110.095497	31936.7271459547	4356888.58	3236.256097624714	3028.345840150021	2983.707450916876	2983.707450916876	45.17012451522596	44.51701476943226
437	162	119577	-83181.14133	898657.3170250766	39.34258319819414	-110.093471	31956.69687271585	4356884.52691856	3245.8498960527173	3028.343931571284	2982.547897128407	2982.547897128407	45.285892597814875	44.285892597814875
438	162	119578	-82521.14133	898657.3170250766	39.34259118434599	-110.091649	31979.8042635316	4356881.01552149	3257.543143007217	3025.592548917055	2981.300961576504	2981.263545	44.28363713401304	44.32900450054875
439	162	119579	-81861.14133	898657.3170250766	39.34259637533465	-110.0887521	31998.84580061026	435687.6517761649	3268.180396323262	3024.291819366327	2979.36683615533	2979.36683615533	44.3127228612	45.1676872802003
440	162	119580	-81201.14133	898657.3170250766	39.34260263124777	-110.0864196	3201.919985	435687.5460726238	3232.810451254643	3023.0752116923827	2979.2082497677898	2979.2082497677898	44.36696124562924	44.0437231
441	162	119581	-80541.14133	898657.3170250766	39.34260782104915	-110.0840871	32040.90242040984	435686.518630212	3229.440579842895	3021.323217	2979.4637564966342	2979.4637564966342	44.4222241843272	45.1676872802003
442	162	119582	-79891.14133	898657.3170250766	39.34261379360625	-110.0817546	32060.19627216374	4356864.49137263	3227.0705638116	3020.852013964304	2979.511324077396	2979.511324077396	44.31487732	41.36997064108482
443	162	119583	-79221.14133	898657.3170250766	39.34261875865111	-110.0794229	32086.03154495457	4356864.454230964	3228.8453178417194	3019.741253692337	2979.652736289203	2979.652736289203	44.10851580713461	44.1683789968634
444	162	119584	-78561.14133	898657.3170250766	39.34262417	-110.077069	32100.4044025964	435685.437458168	3219.764770011439	3018.708145565976	2979.904056999754	2979.904056999754	44.373035665225	44.3828905764135
445	162	119585	-77901.14133	898657.3170250766	39.342629514573176	-110.0747571	321205.078365287	4356852.410789797	3216.684222164817	3017.6125553310826	2980.259318341667	2980.259318341667	44.45628639381589	37.405740046333757
446	162	119586	-77241.14133	898657.3170250766	39.3426341055015	-110.072426	321406.11561232664	435684.34315979	3213.605745343263	3016.5658205443933	2980.5285919744624	2980.5285919744624	44.36227566930365	36.0328961365641
447	162	119587	-76581.14133	898657.3170250766	39.34263846017106	-110.070022	321607.15466165083	435684.358036395	3210.210355342383	3015.528970199415	2980.5624870967576	2980.5624870967576	44.3674092318382	34.94592380730185
448	162	119588	-75921.14133	898657.3170250766	39.34264356653586	-110.067795	321808.192257828	4356840.3191336	3206.205456	3014.5042568194585	2979.9919149567816	2979.9919149567816	44.31241581177691	34.48619574377466
449	162	119589	-75261.14133	898657.3170250766	39.34264804	-110.065427	322009.229	4356836.30660701	3202.798174	3013.488460901595	2978.6213899795334	2978.6213899795334	44.36625011064163	34.8888132226025
450	162	119590	-74601.14133	898657.3170250766	39.34265344229724	-110.063045	322210.26736170857	4356832.28034567	3198.02083359581	3012.481127347057	2978.3451963303078	2978.3451963303078	44.31360741674037	36.19531947150017
451	162	119591	-73941.14133	898657.3170250766	39.34266061258374	-110.060762	322411.3046380199	4356828.255	3198.722501769067	3011.480872228567	2973.5400662838474	2973.5400662838474	44.379400684	38.01080566997257
452	162	119592	-73281.14133	898657.3170250766	39.34266565738418	-110.0584295	322613.3421742519	4356824.22955227	3191.338694924015	3010.468812168148	2971.1020592749147	2971.1020592749147	44.38209241900084	39.38475525445175
453	162	119593	-72621.14133	898657.3170250766	39.34267061801845	-110.056097	322813.3768313295	4356820.20442186	3187.4051329679087	3009.4868052704824	2968.840805068211	2968.840805068211	44.6057789	40.491653623341307
454	162	119594	-71961.14133	898657.3170250766	39.342675635146606	-110.0537645	323014.154347026	4356816.17952325	3183.4715047340495	3008.515024477017	2967.304321	2967.304321	44.21160395743709	40.99736957337335
455	162	119595	-71301.14133	898657.3170250766	39.34268043211861	-110.0514319	323215.452	4356812.15799234	3180.284257301477	3007.539063908105	2966.354671630807	2966.354671630807	44.185899329179643	40.87251978
456	162	119596	-70641.14133	898657.3170250766	39.3426852822446	-110.049094	323416.488426993	4356808.130296307	3177.8451520417233	3006.50762822053	2965.790566541363	2965.790566541363	44.07996124609303	40.36492246427441
457	162	119597	-69981.14133	898657.3170250766	39.3426904819414	-110.046722	323623.7369141857	4356804.38926985	3175.810423602739	3005.810423602739	2965.232462574065	2965.232462574065	44.081627344465	38.81627344465
458	162	119598	-69321.14133	898657.3170250766	39.342695439047675	-110.044434	323815.5073335005	4356800.081792505	3172.9610515224747	3004.65896213518	2964.95961839648	2964.95961839648	44.0693473378009	39.05349741
459	162	119599	-68661.14133	898657.3170250766	39.3426995524733	-110.0421019	324019.596728243	4356796.057843614	3170.30242550007	3003.710804458605	2964.84739530101	2965.34057325657	44.0693473378009	39.05349741
460	162	119600	-68001.14133	898657.3170250766	39.342704271773846	-110.039764	324220.6324513306	4356792.030491055	3167.4262137675584	3002.7709218744403	2964.414729356205	2964.414729356205	44.35619251823482	37.75181305396518
461	162	119601	-67341.14133	898657.3170250766	39.342708837473374	-110.0374368	324421.6680075324	4356788.01032815	3165.540009681554	3001.866948283324	2964.0648927801935	2964.0648927801935	44.37189202813885	37.13983024
462	162	119602	-66681.14133	898657.3170250766	39.34271341215208	-110.0351403	324622.7033827129	4356783.97168889	3163.5702000753	3000.908925452187	2962.718801942839	2962.718801942839	44.3722514524166	37.222514524166
463	162	119603	-66021.14133	898657.3170250766	39.34271794177481	-110.0328174	324823.7369141857	4356783.97168889	3161.573370714454	3000.908925452187	2962.718801942839	2962.718801942839	44.3722514524166	37.222514524166
464	162	119604	-65361.14133	898657.3170250766	39.3427224440885	-110.0304933	325073.741023946	4356784.01329496	3159.61549283271	3000.908925452187	2962.718801942839	2962.718801942839	44.3722514524166	37.222514524166
465	162	119605	-64701.14133	898657.3170250766	39.3427268555093	-110.028108	325225.804858181	4356779.918	3157.405470530384	2998.165304838854	2961.6716842360285	2961.6716842360285	44.3693427456588	36.29851864165078
466	162	119606	-64041.14133	898657.3170250766	39.342731360304724	-110.025743	325426.8192050056	4356776.8956514	3155.61695072697	2996.265163400744	2960.531109	2960.531109	44.3710718025434	36.34225680534774
467	162	119607	-63381.14133	898657.3170250766	39.342736090702274	-110.023417	325627.877177837	4356773.67263671	3153.7211111096387	2996.372913396351	2960.632702358543	2960.632702358543	44.37696431606788	36.86224078102805
468	162	119608	-62721.14133	898657.3170250766	39.34273991404356	-110.0211092	325827.877177837	4356769.85104551	3151.8419390974027	2996.48655725835	2957.274255425113	2957.274255425113	44.37696431606788	37.3014321345068
469	162	119609	-62061.14133	898657.3170250766	39.3427441	-110.018767	326029.945258764	4356755.82961487	3150.045676284965	2995.8382047708146	2956.876100452895	2956.876100452895	44.37696431606788	37.85784758417094
470	162	119610	-61401.14133	898657.3170250766	39.3427483575735	-110.016442	326230.980724576	4356751.802197171	3148.215370714454	2995.72565051146	2956.232462574065	2956.232462574065	44.37696431606788	38.163277708071
471	162	119611	-60741.14133	898657.3170250766	39.34275256	-110.014117	326432.01404689	4356747.786	3146.124869850197	2994.84061037201	2955.446995152895	2955.446995152895	44.37696431606788	38.163277708071
472	162	119612	-60081.14133	898657.3170250766	39.3427566804601	-110.0117971	326633.0477971047	4356743.764215046	3144.253695070367	2991.97381915584	2952.090028157053	2952.090028157053	44.37696431606788	38.163277708071
473	162	119613	-59421.14133	898657.3170250766	39.3427607599587	-110.009446	326834.0813045345	4356739.743	3142.3564901702727	2991.088900526913	2950.461584914122	2950.461584914122	44.37696431606788	38.163277708071
474	162	119614	-58761.14133	898657.3170250766	39.34276473909446	-110.0071141	327035.1126419474	4356735.721955209	3140.4610224704184	2990.23362787182	2949.78894785802	2949.78894785802	44.37696431606788	38.163277708071
475	162	119615	-58101.14133	898657.3170250766	39.34276878266695	-110.0047816	327236.1146126022	4356731.70116603	3138.5169431895641	2989.3474485649286	2949.071266990485	2949.071266990485	44.37696431606788	38.163277708071
476	162	119616	-57441.14133	898657.3170250766	39.3427727674765	-110.002449	327437.1808136506	4356727.68042198	3148.049538196745	2988.47031131346	2948.2941804346817	2948.2941804346817	44.37696431606788	38.163277708071
477	162	119617	-56781.14133	898657.3170250766	39.34277684746564	-110.000142	327639.980724576	4356723.67263671	3146.124869850197	2987.70877089327	2947.8431584049347	2947.8431584049347	44.37696431606788	38.163277708071
478	162	119618	-56121.14133	898657.3170250766	39.3427807390502	-110.007784	327839.2631017967	4356719.73695491	3144.795505769541	2986.713920535547	2946.489071354633	2946.489071354633	44.37696431606788	38.163277708071
479	162	119619	-55461.14133	898657.3170250766	3									

ix	iy	icnt	X.Rt	Y.Rt	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SatHtLogs.	SatHtBoth.
687	162	19827	8118.85867307335	896657.3170250766	39.42459715263232	-100.1020861	369851.6995210828	4355883.65489909	2768.2420702283866	2561.125702582715	2567.5113377492703	2581.585593	61.43364638344505
688	162	19828	8274.85867307335	896657.3170250766	39.42459154519057	-100.5079356	370652.70114110075	4355897.675	2765.133465050233	2640.64044144775	2641.382614692402	2581.585593	61.43364638344505
689	162	19829	8313.85867307335	896657.3170250766	39.42459154519057	-100.5079356	370652.70114110075	4355897.675	2765.133465050233	2640.64044144775	2641.382614692402	2581.585593	61.43364638344505
690	162	19830	8379.85867307335	896657.3170250766	39.42459154519057	-100.5079356	370652.70114110075	4355897.675	2765.133465050233	2640.64044144775	2641.382614692402	2581.585593	61.43364638344505
691	162	19831	8445.85867307335	896657.3170250766	39.42457445	-100.5069661	370655.70633209427	4355867.736979257	2756.327535981671	2645.027761164945	2645.3235657243	2572.62904136237	61.43364638344505
692	162	19832	8511.85867307335	896657.3170250766	39.4245668290255	-100.4986236	370856.7077325646	4355875.7959254	2754.258711345031	2644.9997203435623	2645.027761164945	2572.62904136237	61.43364638344505
693	162	19833	8577.85867307335	896657.3170250766	39.42456283	-100.496291	370857.7089099597	4355889.73794455	2752.18830108903	2644.9997203435623	2645.027761164945	2572.62904136237	61.43364638344505
694	162	19834	8643.85867307335	896657.3170250766	39.42456050941	-100.4934859	371258.7013444976	4355855.80061967	2750.120549656706	2640.49861624316	2644.9997203435623	2572.62904136237	61.43364638344505
695	162	19835	8709.85867307335	896657.3170250766	39.42456050941	-100.4934859	371258.7013444976	4355855.80061967	2750.120549656706	2640.49861624316	2644.9997203435623	2572.62904136237	61.43364638344505
696	162	19836	8775.85867307335	896657.3170250766	39.42455054059	-100.4892635	371660.712505687	4355847.84	2744.872205247965	2637.42080574005	2642.74624059112	2568.315162081347	61.43364638344505
697	162	19837	8841.85867307335	896657.3170250766	39.424539481979	-100.486961	371861.7128235065	4355843.86647205	2742.067272182073	2635.204641586555	2642.639188540263	2568.315162081347	61.43364638344505
698	162	19838	8907.85867307335	896657.3170250766	39.424532966776	-100.4846285	372062.7134755739	4355839.88731605	2739.251811611618	2634.45193988486	2642.934502198658	2565.64172940321	61.43364638344505
699	162	19839	8973.85867307335	896657.3170250766	39.4245268257893	-100.482296	372623.714005701	4355835.91182278	2734.953377	2632.985201751184	2643.14397613031	2564.20678441828	61.43364638344505
700	162	19840	9039.85867307335	896657.3170250766	39.424520332519	-100.4799635	372464.7140051017	4355831.93232055	2729.13372661372	2631.54474691014	2642.91272786453	2566.8901134366	61.43364638344505
701	162	19841	9105.85867307335	896657.3170250766	39.42451450015614	-100.477831	372665.714687707	4355827.93668585	2725.37336834036	2630.140646161928	2642.5537290155125	2567.937386274307	61.43364638344505
702	162	19842	9171.85867307335	896657.3170250766	39.4245083115019	-100.4752985	372866.714	4355823.97981804	2717.583340654355	2628.7648516740507	2641.53389740229	2578.30693250362	61.43364638344505
703	162	19843	9237.85867307335	896657.3170250766	39.42450021722966	-100.472966	373067.7148844465	4355820.02899457	2706.03817798203	2627.422693722502	2641.53389740229	2578.30693250362	61.43364638344505
704	162	19844	9303.85867307335	896657.3170250766	39.42449569	-100.4706335	373268.7148002902	4355816.026	2703.73473150596	2626.15429931758	2639.33135997528	2561.780561338872	61.43364638344505
705	162	19845	9369.85867307335	896657.3170250766	39.424489314219044	-100.468301	373469.7145944755	4355810.04991148	2701.436811323297	2624.842040704816	2638.262968739716	2554.342835300493	61.43364638344505
706	162	19846	9435.85867307335	896657.3170250766	39.4244829	-100.465985	373670.714	4355808.0737011	2697.13619096037	2623.006062456397	2636.979042052678	2547.801370032048	61.43364638344505
707	162	19847	9501.85867307335	896657.3170250766	39.424476309598	-100.463636	373871.7137825451	4355804.09	2691.708713979846	2622.391774635717	2635.34639833676	2547.801370032048	61.43364638344505
708	162	19848	9567.85867307335	896657.3170250766	39.42446957179579	-100.4613038	374072.713245509	4355800.1218074	2688.15438016147	2621.21475365846	2632.350006396314	2536.21622318474	61.43364638344505
709	162	19849	9633.85867307335	896657.3170250766	39.424462742674	-100.459051	374278.708912675	4355772.26950504	2682.39183484027	2619.428517571257	2625.36424394194	2536.21622318474	61.43364638344505
710	162	19850	9699.85867307335	896657.3170250766	39.4244567821814	-100.4565385	374474.711747944	4355792.19004745	2681.045712625454	2618.97497469562	2620.05849157993	2530.5703160659	61.43364638344505
711	162	19851	9765.85867307335	896657.3170250766	39.42445012380574	-100.454306	374675.7108164686	4355794.19852595	2679.94174978874	2617.9479488981	2617.03850811376	2527.996130143773	61.43364638344505
712	162	19852	9831.85867307335	896657.3170250766	39.42443434426715	-100.4519735	374876.7097650981	4355784.22050756	2681.289510135984	2616.67985287718	2624.9912829141367	2524.99653093236	61.43364638344505
713	162	19853	9897.85867307335	896657.3170250766	39.424366999497	-100.449641	375077.7089354857	4355764.25646726	2682.635249123064	2615.569718877386	2622.864084124079	2522.864084124079	61.43364638344505
714	162	19854	9963.85867307335	896657.3170250766	39.42429920414276	-100.4473089	375278.7073022047	4355767.21	2683.978158	2614.460368718894	2622.810170974294	2522.80724011013	61.43364638344505
715	162	19855	10029.85867307335	896657.3170250766	39.4242921627477	-100.444876	375478.708912675	4355727.26950504	2682.39183484027	2613.468973761665	2625.210204191329	2525.210204191329	61.43364638344505
716	162	19856	10095.85867307335	896657.3170250766	39.42428174271	-100.442438	375690.7142330214	4355719.122215917	2682.39183484027	2612.55370423698	2624.39183484027	2524.39183484027	61.43364638344505
717	162	19857	10161.85867307335	896657.3170250766	39.4242091147324	-100.440311	375881.708912675	4355764.38123863	2684.092078035363	2611.1122540593565	2634.421139453125	2534.290174019811	61.43364638344505
718	162	19858	10227.85867307335	896657.3170250766	39.4242035171609	-100.4379785	376082.701	4355760.374220038	2686.885401027403	2609.98451027403	2640.97979905077	2540.7385023021295	61.43364638344505
719	162	19859	10293.85867307335	896657.3170250766	39.42423934690328	-100.435646	376283.6991556423	4355740.40561031	2687.00489330003	2608.8529983103513	2645.002193216739	2545.193797649835	61.43364638344505
720	162	19860	10359.85867307335	896657.3170250766	39.4242307903486	-100.4333135	376484.6971493802	4355752.47002035	2686.69180492785	2607.71559151297	2647.622244849004	2547.943047425335	61.43364638344505
721	162	19861	10425.85867307335	896657.3170250766	39.423821302110886	-100.430981	376685.6995256574	4355748.45368121	2685.973486765556	2604.554052617315	2651.7685112970126	2551.3708535	61.43364638344505
722	162	19862	10491.85867307335	896657.3170250766	39.423749213129	-100.428645	376896.6991789075	4355744.481	2685.973486765556	2604.554052617315	2651.7685112970126	2551.3708535	61.43364638344505
723	162	19863	10567.85867307335	896657.3170250766	39.42368770991226	-100.426316	377087.6904230541	4355740.50705224	2684.092078035363	2604.28359608695	2651.121973879453	2548.16192410016	61.43364638344505
724	162	19864	10623.85867307335	896657.3170250766	39.42359647005416	-100.423935	377288.6784504293	4355735.35467848	2688.01704959546	2603.141296557454	2658.407232405467	2560.142175743734	61.43364638344505
725	162	19865	10689.85867307335	896657.3170250766	39.4235237185917	-100.421651	377489.6853494562	4355732.5620105	2690.088616867526	2601.969904921484	2654.405336	2544.284299124484	61.43364638344505
726	162	19866	10755.85867307335	896657.3170250766	39.42345051657375	-100.419385	377690.6826365652	4355728.93895862	2692.160177147956	2600.84913642829	2658.008527394747	2548.008527394747	61.43364638344505
727	162	19867	10821.85867307335	896657.3170250766	39.42337386400054	-100.416988	377891.6798063534	4355724.61767074	2696.1712850362967	2599.69867	2656.92983929306	2516.92983929306	61.43364638344505
728	162	19868	10888.85867307335	896657.3170250766	39.4233202760211	-100.414635	378092.6765957626	4355720.48578125	2698.219151338287	2596.5452519073057	2651.144474203885	2510.013131	61.43364638344505
729	162	19869	10954.85867307335	896657.3170250766	39.42327714224477	-100.412381	378293.6798063534	4355718.708912675	2697.449474947975	2595.428517571257	2650.97979905077	2548.008527394747	61.43364638344505
730	162	19870	11019.85867307335	896657.3170250766	39.4231302592214	-100.409888	378494.6705170246	4355712.70244053	2696.104238342144	2596.225463604	2651.144474203885	2510.013131	61.43364638344505
731	162	19871	11088.85867307335	896657.3170250766	39.4230774811599	-100.407661	378695.6673191968	4355708.73100097	2698.219151338287	2595.053948248837	2498.863129	2498.863129	61.43364638344505
732	162	19872	11158.85867307335	896657.3170250766	39.4230018428131	-100.4053236	378896.63605353	4355704.75978491	2700.8673827195	2593.802253099543	2496.065849444363	2495.34796089785	61.43364638344505
733	162	19873	11218.85867307335	896657.3170250766	39.422952489123	-100.402911	379097.660378096	4355700.7886908	2703.446458316444	2592.702738	2494.194241483487	2493.98296340089	61.43364638344505
734	162	19874	11288.85867307335	896657.3170250766	39.4228488045955	-100.400586	379289.6587						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatH.Kg.ft	SatHBoth.ft
73	163	119953	-323241.1413	899317.3172050766	39.39346445538915	-101.9424315	246409.10974316185	4385865.110188986	3846.206150004776	3760.654573555617	3564.545942244484	3560.668832	106.1086313113229	109.98574151860703
74	163	119954	-322761.1413	899317.3172050766	39.39365851112105	-101.9400493	246610.2269537772	4358561.010506414	3844.393171120364	3665.355248086693	3562.7994437105076	3559.917060895184	106.5586437636172	109.44437419168561
75	163	119955	-322191.1413	899317.3172050766	39.3938935	-101.9377671	246811.34381310807	4358561.011204818	3842.890168887146	3658.015731	3562.074469897865	3559.389253387	106.434575459322	109.475459322
76	163	119956	-321441.1413	899317.3172050766	39.3939412477039866	-101.9353448	246802.46042193507	4358561.02118149	3841.4353944400402	3669.62370681564	3561.8148264793126	3559.148324830218	104.80754420251139	107.4380352533223
77	163	119957	-320781.1413	899317.3172050766	39.393434397513315	-101.9331026	247213.5167825955	4358561.03105708	3840.662799630242	3665.174727452885	3561.7437678640285	3559.4004783524429	103.93059889674	106.13385392873624
78	163	119958	-320121.1413	899317.3172050766	39.3937073	-101.9307703	247414.69288829068	4358561.041216083	3838.694028110756	3663.664855632355	3562.1001528941397	3559.15356891564	101.56470273821378	104.151266715754
79	163	119959	-319461.1413	899317.3172050766	39.39347810320911	-101.9284381	247615.8087462321	4358561.051656174	3836.99476426642	3662.44832224192	3562.4564826013766	3560.023603940085	99.63195062281557	102.0680728018364
80	163	119960	-318801.1413	899317.3172050766	39.39499884653835	-101.9261058	247816.924542858	4358561.061712766	3834.9439575	3660.4423177057683	3563.043568315144	3561.1185597309147	97.39873241925397	99.32370401230058
81	163	119961	-318141.1413	899317.3172050766	39.39521628713875	-101.9237783	248019.3371226937	4358561.071905259	3836.915785270927	3658.728395	3563.65524141913	3562.331517036156	95.0780771306677	97.39847818769515
82	163	119962	-317481.1413	899317.3172050766	39.3956432	-101.9214413	248219.15482157387	4358561.082209642	3837.872395775363	3564.0434959458	3563.8851460775093	3562.5926883637	93.05209883637	97.39365988
83	163	119963	-316821.1413	899317.3172050766	39.3956497402726	-101.919109	248404.26968121337	4358561.092411441	3827.31112563974	3565.090852851064	3563.488831188461	3561.0120549654535	90.94965136347338	
84	163	119964	-316161.1413	899317.3172050766	39.39565651911208	-101.9167768	248621.3842917903	4358561.102530695	3822.2293645907675	3563.199764923843	3562.324245366354	3563.19033073726	89.65751955762501	90.0094345
85	163	119965	-315501.1413	899317.3172050766	39.3960813914808	-101.9144445	248822.4986531187	4358561.1125815039	3817.147603911294	3561.258961012324	3559.8839152414935	3560.6614005258405	90.149657545334	
86	163	119966	-314841.1413	899317.3172050766	39.3962965417774	-101.9121123	249023.6127665819	4358561.123003448	3812.065843241545	3549.2674383522058	3555.8677350100273	3555.8677350100273	90.3996835	92.7518653219702
87	163	119967	-314181.1413	899317.3172050766	39.3965112407856	-101.90978	249224.726	4358561.133911183	3808.1338671199565	3547.29986520687	3550.157524239317	3550.498470562048	90.72628155027	92.7518653219702
88	163	119968	-313521.1413	899317.3172050766	39.3967254897125	-101.907447	249425.8404759138	4358561.143760268	3805.3512147489502	3545.210472489502	3542.70769484564	3543.07744460335	102.1322739403816	102.1322739403816
89	163	119969	-312861.1413	899317.3172050766	39.3969382815834	-101.9051158	249628.9536159416	4358561.15408995	3802.68469878527	3543.152192646069	3535.155349070428	3535.155349070428	100.9668435764092	100.9668435764092
90	163	119970	-312201.1413	899317.3172050766	39.3971526361222	-101.9027832	249828.067364483	4358561.1644028457	3799.7872966082423	3541.0817357812712	3530.0282541484817	3530.0282541484817	99.73108733957007	100.9668435764092
91	163	119971	-311541.1413	899317.3172050766	39.397365336042	-101.9004509	250029.17968093672	4358561.174795547	3798.30368331003	3539.003612086288	3529.05471	3526.6997662841	100.9461408035076	112.3042430434689
92	163	119972	-310881.1413	899317.3172050766	39.3975777806034	-101.8981187	250230.292234651	4358561.185175959	3798.117466531065	3537.32122931024	3528.051365365395	3527.507597260154	100.9461408035076	100.9461408035076
93	163	119973	-310221.1413	899317.3172050766	39.397789771197	-101.8957864	250431.40461311385	4358561.195921685	3797.93452341018	3534.837192734134	3528.051365365395	3527.507597260154	99.6873071263442	102.74677860595602
94	163	119974	-309561.1413	899317.3172050766	39.39800152315284	-101.8934541	250632.51674437715	4358561.206807227	3797.764802930126	3532.755544705367	3527.39540471473	3527.39540471473	99.6873071263442	102.74677860595602
95	163	119975	-308901.1413	899317.3172050766	39.398212618702	-101.8911723	250839.294764259	4358561.217620378	3797.5980995539	3530.747187192575	3526.7487352353	3526.7487352353	99.6873071263442	102.74677860595602
96	163	119976	-308241.1413	899317.3172050766	39.3984232635772	-101.8887896	251044.70402670058	4358561.2283987	3794.336976330434	3528.607419455764	3525.1865141905707	3525.1865141905707	99.6873071263442	102.74677860595602
97	163	119977	-307581.1413	899317.3172050766	39.3986334583477	-101.8864573	251235.85165817785	4358561.239475159	3792.126355200304	3526.54111428089	3524.053076482176	3524.053076482176	99.6873071263442	102.74677860595602
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99	163	119979	-306261.1413	899317.3172050766	39.3990524960536	-101.8817927	251638.0730777916	4358561.2625	3788.000915729658	3522.450171049276	3520.838503699875	3520.838503699875	99.6873071263442	102.74677860595602
100	163	119980	-305601.1413	899317.3172050766	39.3992613391782	-101.8794065	251839.18436531716	4358561.273997994	3786.381901	3520.421831925293	3520.324401804235	3520.324401804235	99.6873071263442	102.74677860595602
101	163	119981	-304941.1413	899317.3172050766	39.3994693918168	-101.8771282	252049.294764259	4358561.285397994	3784.7680995539	3518.407187192575	3518.407187192575	3518.407187192575	99.6873071263442	102.74677860595602
102	163	119982	-304281.1413	899317.3172050766	39.399677373968	-101.8747763	252241.40456269298	4358561.2971750394	3783.143871750394	3516.410272914727	3516.410272914727	3516.410272914727	99.6873071263442	102.74677860595602
103	163	119983	-303621.1413	899317.3172050766	39.3998851656336	-101.8724638	252442.5148443414	4358561.308979179	3782.1343297166655	3514.4323121180036	3512.555151656993	3512.555151656993	99.6873071263442	102.74677860595602
104	163	119984	-302961.1413	899317.3172050766	39.400092068111	-101.8701313	252643.62451683875	4358561.3208147143	3775.70247169655	3512.4730425224598	3508.645105322058	3510.117620483105	100.9461408035076	100.9461408035076
105	163	119985	-302301.1413	899317.3172050766	39.4002987975007	-101.867799	252844.7334458977	4358561.33250398	3771.284210356205	3510.630426311807	3505.033604635063	3505.033604635063	100.9461408035076	100.9461408035076
106	163	119986	-301641.1413	899317.3172050766	39.4005049377027	-101.8654667	253045.8431720062	4358561.343977678	3766.841602071646	3508.601620271646	3501.709803224482	3501.709803224482	100.9461408035076	100.9461408035076
107	163	119987	-300981.1413	899317.3172050766	39.40071062741615	-101.8631345	253246.86526697477	4358561.355389975	3765.029485997599	3506.674097796793	3498.56459914346	3498.56459914346	100.9461408035076	100.9461408035076
108	163	119988	-300321.1413	899317.3172050766	39.400915965402	-101.8608022	253449.06781614192	4358561.36720378	3764.7680995539	3504.737187192575	3496.7487352353	3496.7487352353	100.9461408035076	100.9461408035076
109	163	119989	-299661.1413	899317.3172050766	39.401126555755	-101.8584698	253649.16921223677	4358561.378933887	3762.7569369778	3502.7569369778	3493.052050406641	3492.59124831917	100.9461408035076	100.9461408035076
110	163	119990	-299001.1413	899317.3172050766	39.401324936209	-101.8561376	253850.274194316	4358561.390563391	3760.76943905104	3490.482652155893	3487.45126726304	3487.45126726304	100.9461408035076	100.9461408035076
111	163	119991	-298341.1413	899317.3172050766	39.401542893	-101.8538053	254051.3853289071	4358561.40251366	3758.7041816506	3488.071968092518	3484.33322	3484.33322	100.9461408035076	100.9461408035076
112	163	119992	-297681.1413	899317.3172050766	39.4017321864005	-101.851473	254252.49310321047	4358561.414274952	3753.045277499134	3496.8230001167	3488.896003	3488.896003	100.9461408035076	100.9461408035076
113	163	119993	-297021.1413	899317.3172050766	39.4019335041505	-101.8491407	254453.6008038845	4358561.426808101	3751.4463729913	3494.026605417905	3484.845196080083	3484.845196080083	100.9461408035076	100.9461408035076
114	163	119994	-296361.1413	899317.3172050766	39.40213764176917	-101.8468084	254654.701466877	4358561.43898521	3749.8470717493124	3492.023857	3481.8903136257	3481.8903136257	100.9461408035076	100.9461408035076
115	163	119995	-295701.1413	899317.3172050766	39.40234268176917	-101.8445161	254855.8192553614	4358561.4511374107	3747.847187192575	3489.02124252145	3479.02124252145	3479.02124252145	100.9461408035076	100.9461408035076
116	163	119996	-295041.1413	899317.3172050766	39.40254156278824	-101.842138	255056.9215553614	4358561.463740117	3744.041151	3587.87107953579	3477.7777777777777	3477.7777777777777	100.9461408035076	100.9461408035076
117	163	119997	-294381.1413	899317.3172050766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHk24.f	SatHkBoth.f
199	16120079	-240261.1413	899317.3170250766	39.341717068	-01.6485586	271747.95691704575	438580.114587747	3634.439305084934	3438.649402439642	3352.309891175092	3352.386520140714	36.24342126455001	86.2826229892816	
200	16120080	-239601.1413	899317.3170250766	39.341760763421826	-01.6462262	271949.0407363421826	435800.4693821092	3632.103515997633	3437.59768201213	3351.8185270871672	3351.898489543622	85.77916111399554	85.69916986574082	
201	16120081	-238841.1413	899317.3170250766	39.341903386763832	-01.6458934	272150.13091494445	435801.95250081	3629.78809151758	3436.918824429836	3351.2251189308794	3351.302648	85.25643161898381	85.25643161898381	
202	16120082	-238281.1413	899317.3170250766	39.34181966681006	-01.6451614	272315.21783372353	435803.800675374	3627.4324565305634	3435.0394353054487	3350.4394353054487	3350.4394353054487	85.1004294857656	85.1004294857656	
203	16120083	-237621.1413	899317.3170250766	39.34183593092275	-01.639229	272552.3041225277	435803.818698322	3625.852084519023	3434.5294127860066	3349.4242301697047	3349.465206593097	85.1060961630189	85.06420619249684	
204	16120084	-236961.1413	899317.3170250766	39.341852129882534	-01.6368966	272753.390337371	435801.224771785	3625.026791238194	3433.528262069966	3348.153515	3348.208864546657	85.3747673991846	85.3747673991846	
205	16120085	-236301.1413	899317.3170250766	39.34186828399005	-01.6345642	272954.47832081917	435802.568933759	3624.201150446764	3432.542858548993	3346.6830378909323	3347.026206413966	85.85120694566649	85.5080794102371	
206	16120086	-235641.1413	899317.3170250766	39.341884392345528	-01.6323218	273155.5620946385	435802.156934622	3623.126272809764	3431.547165135375	3344.850296907744	3345.245435681742	86.6974634785118	86.304417285	
207	16120087	-234981.1413	899317.3170250766	39.341903386763832	-01.6298984	273356.6478351759	435801.525072721924	3622.525072721924	3430.967408494578	3342.546111	3342.760527691676	86.02129776615976	86.02129776615976	
208	16120089	-234321.1413	899317.3170250766	39.341915476598646	-01.627567	273557.7325607482	435801.44876038	3619.5872913115447	3430.2047342006126	3340.4532246599833	3340.4532246599833	89.3625671109323	89.3625671109323	
209	16120089	-233661.1413	899317.3170250766	39.3419324496746	-01.6252634	273758.8180556694	435800.9375762631	3615.77415684332	3428.065734760617	3337.651828909637	3337.9855521188706	90.26201824	90.26201824	
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211	16120091	-232341.1413	899317.3170250766	39.34196426193564	-01.6205697	274160.9857511645	435801.230355544	3608.878076	3426.6308115161946	3332.2040403617025	3332.254847292124	94.040985449215	93.8753176898224	
212	16120092	-231681.1413	899317.3170250766	39.3419801057636	-01.6182373	274362.072002087	435801.159747293	3606.713094505179	3425.647977262394	3329.644643579812	3329.644643579812	95.99015414642736	95.5093874652007	
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223	16120103	-224421.1413	899317.3170250766	39.34215135	-01.5925807	276573.9860500084	4357952.347416372	3566.692063800638	3414.33847313234	3320.401127477945	3320.401127477945	92.9189725533741	92.9189725533741	
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229	16120109	-220461.1413	899317.3170250766	39.342242464405864	-01.5785862	277780.474	4357927.967051419	3561.90514013034	3409.020047451374	3307.339551576525	3307.339551576525	96.18049159372185	96.18049159372185	
230	16120110	-219801.1413	899317.3170250766	39.34225748209937	-01.5762537	277981.5538283316	4357918.888177795	3561.8604253501	3408.179733956298	3303.16651547031	3303.653473647695	101.311845296693	104.85079374862864	
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237	16120117	-215181.1413	899317.3170250766	39.3423614244805	-01.5599267	279389.1108738475	4357894.415588125	3562.65739892057	3401.96664074346	3294.6727145356424	3295.02900209696	107.29392613870323	107.29392613870323	
238	16120118	-214521.1413	899317.3170250766	39.34237690171367	-01.5575943	279590.188655019	4357891.34255514	3566.54857657994	3401.0063836483763	3294.35890518587	3294.35890518587	106.64731321297838	106.98426566197123	
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244	16120124	-210561.1413	899317.3170250766	39.34246314918										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBthKgr.ft	SatHtKgr.ft	SatHtBth.ft
325	163	120205	-157101.1413	899317.3170250766	39.3434796704384	-101.354669	879083.22881834364	4573578.239316562	3356.195146251768	3266.9750248991163	3225.369715667155	3225.675561195353	61.60530923	61.29946376373195
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330	163	120210	-153801.1413	899317.3170250766	39.34353273889115	-101.3430064	879808.52821726113	4573571.99060481	3344.518865382223	3278.82504384493	3227.59090262586	3227.089431623621	51.85041435579069	51.73607301488215
331	163	120211	-153141.1413	899317.3170250766	39.34354321609946	-101.3406739	879828.5871011697	4573570.91873935	3338.055048832544	3277.102413218414	3226.79872668287	3226.961109635894	50.30380550126955	50.141305281957
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354	163	120234	-137961.1413	899317.3170250766	39.34377156414528	-101.287025	880013.8890544315	4573472.86991708	3307.5299555627525	3230.96955541294	3187.65041155845	3193.30052191015	49.33281825091805	37.93061713908407
355	163	120235	-137301.1413	899317.3170250766	39.34378115228042	-101.2846934	880014.1953490715	4573472.822519493	3307.266405762674	3228.744156697454	3184.339124035079	3194.1943187724403	54.4230366166657	33.5897889034041
356	163	120236	-136641.1413	899317.3170250766	39.343791050390375	-101.2823369	880015.30336108423098	4573472.77322272	3306.9038324933	3225.586160893812	3184.13812626688	3192.9244116477163	54.4230366166657	32.6174905230491
357	163	120237	-135981.1413	899317.3170250766	39.343799808443435	-101.2800284	880016.06721465097	4573472.73430402	3307.127272075432	3223.374886241495	3183.78087575552	3192.083231644215	59.12941046594303	51.3591454973371
358	163	120238	-135321.1413	899317.3170250766	39.34380905942324	-101.2778695	880017.116848201	4573472.6913877	3305.348706165432	3221.1492582215287	3183.020135260194	3190.2845223097464	38.191091650935	30.86443171782366
359	163	120239	-134661.1413	899317.3170250766	39.34381828519434	-101.2753633	880018.10676216475	4573472.648026925	3302.1745891491	3218.90805721004	3181.84009388411	3188.52474373983	37.076963341630275	38.3083087205907
360	163	120240	-134001.1413	899317.3170250766	39.34382746	-101.2730398	880019.30412024487467	4573472.60318636	3304.198977905554	3217.7649170785	3180.74949115894	3186.85512414239889	38.191091650935	30.86443171782366
361	163	120241	-133341.1413	899317.3170250766	39.343836626913024	-101.2706983	880020.3241278011536	4573472.560369302	3303.492393899675	3214.73305508884	3178.8940145421698	3187.937819100647	37.076963341630275	38.3083087205907
362	163	120242	-132681.1413	899317.3170250766	39.34384566177413	-101.2683527	880021.330535888	4573388.517241014	3304.247369954304	3212.076548799553	3173.67815103216	3179.90477288022	38.3984154777952	32.0817706913374
363	163	120243	-132021.1413	899317.3170250766	39.343854667919194	-101.2660332	880022.347233844962594	4573388.474111371	3303.749233891705	3209.57203532625	3170.35903203812	3176.905463304287	39.8941647288128	32.852188202196546
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365	163	120245	-130701.1413	899317.3170250766	39.3438726825958	-101.2613881	880024.4902131243	4573376.389332709	3302.37488419207	3205.02690910728	3163.8538327302	3171.0708491	41.188852604066456	33.95231208838194
366	163	120246	-130041.1413	899317.3170250766	39.3438815310877	-101.2590356	880025.4527847289	4573372.34709318	3301.9120342326	3202.544935815134	3161.946876736939	3168.3893809391	34.25490500444431	34.25490500444431
367	163	120247	-129381.1413	899317.3170250766	39.34389053958624	-101.256708	880026.456670455	4573372.306967388	3301.74830626347	3201.3052921034	3160.8887452469324	3144.23221622177	47.78688708994	46.073100051885
368	163	120248	-128721.1413	899317.3170250766	39.34389918419434	-101.2543705	880027.505728467533096	4573372.2633190922	3301.596977313672	3200.771507	3155.694751193334	3160.888708109773	42.059547540316	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
451	163	120331	-73941.14133	899317.3170250766	39.34447373258928	-101.0607688	322415.346685742	4357029.46958162	316.6172849827509	3011.733449042526	2974.489883719298	2974.436937365432	37.23456532322781	37.29647579073895
452	163	120332	-73291.14133	899317.3170250766	39.34447839757936	-101.0584399	322616.3715688595	4357025.447784925	315.776393207031	3010.728117015044	2977.100430278648	2977.138475879637	39.4583667367564	39.58964114
453	163	120333	-72821.14133	899317.3170250766	39.34447326593024	-101.0661033	322817.4082984457	4357017.41843097	318.923136813685	3009.729133831866	2984.55817171700734	2984.51785452427262	41.117431831162574	41.117431831162574
454	163	120334	-71961.14133	899317.3170250766	39.3444735323241	-101.0537708	322810.4448489859	4357013.390420891	308.7359365007464	3007.1268713174739	2997.199754730929	2997.199754730929	41.537961760817634	41.537961760817634
455	163	120335	-71301.14133	899317.3170250766	39.34448032720205	-101.0514382	323219.4812	4357013.36850564	318.91298286246	3007.749163066955	2996.330503370543	2996.5873632216055	41.4186603615269	41.416152419
456	163	120336	-70641.14133	899317.3170250766	39.34448084859705	-101.0491056	323420.1574339846	4357009.343805554	317.6611735731317	3007.7101482547	2996.007175360534	2996.397377348931	40.73363112204336	40.73372173361564
457	163	120337	-69981.14133	899317.3170250766	39.34450284894187	-101.0467731	323621.5534752505	4357005.91298713	317.33730382169955	3005.80098732044	2996.1319974015564	2996.5903820229432	39.66899033144773	39.21060571006092
458	163	120338	-69321.14133	899317.3170250766	39.3445070396673	-101.0444405	323822.5893388405	4357001.29486412	317.3050912846225	3004.834869119864	2995.550232297207	2996.205676623579	39.26816697265272	38.63379247840728
459	163	120339	-68661.14133	899317.3170250766	39.34451231	-101.0421079	324023.6251303804	4356997.270896958	317.2610772341016	3003.862815577018	2995.068976029797	2995.5898939771802	38.1584189422174	38.15841894863046
460	163	120340	-68001.14133	899317.3170250766	39.34451699	-101.0397753	324224.605050804	4356992.246934046	316.104571749359	3002.93355728459	2994.521537506204	2995.1800527183764	38.4118121963852	37.753301008262
461	163	120341	-67341.14133	899317.3170250766	39.3445215886961	-101.0374428	324425.6959981207	4356989.223124679	316.5479416881813	3001.983416881813	2994.0126971845456	2994.700431278397	37.8779169636758	37.28907560341622
462	163	120342	-66681.14133	899317.3170250766	39.34452617349506	-101.0351102	324626.731747094	4356985.19980462	316.2179407	3001.050744930760	2992.4115240381266	2992.46845043871	38.63922530924401	37.27286530589755
463	163	120343	-66021.14133	899317.3170250766	39.34453070323317	-101.0327776	324827.766180049	4356981.17637405	315.93311538271325	3000.1185360664117	2991.483646566722	2992.482420230785	38.698489986951	37.5823378333621
464	163	120344	-65361.14133	899317.3170250766	39.34453518791389	-101.030445	325028.8014034793	4356977.153195519	315.3748148238515	2999.192263953808	2990.9694761499372	2990.9694761499372	38.2227917858077	37.13587402161906
465	163	120345	-64701.14133	899317.3170250766	39.34453962573723	-101.0281125	325299.8356778082	4356973.130244778	315.8476151820571	2998.2728932087816	2990.482726	2990.937577623898	37.9251538288347	37.29351538288347
466	163	120346	-64041.14133	899317.3170250766	39.34454402210318	-101.0257789	325430.8701706335	4356969.107	315.2391748172904	2997.361197192367	2990.344936240313	2990.936240353269	38.0170402833552	37.5257368309769
467	163	120347	-63381.14133	899317.3170250766	39.34454837611713	-101.0234743	325631.9049030361	4356965.04626711	315.2730423539415	2998.45829870069	2998.068334354568	2998.546890329382	38.38996526040235	37.9114816767256
468	163	120348	-62721.14133	899317.3170250766	39.34455276602654	-101.0211417	325822.93386	4356961.06255938	315.196376739915	2995.506529715964	2995.678894192555	2995.678894192555	38.78971812341324	37.85917568083365
469	163	120349	-62061.14133	899317.3170250766	39.34455693545658	-101.0187821	326033.972627379	4356957.040386479	315.042523548703	2994.667303069538	2994.118735	2995.116695779024	40.5485684286357	39.550345222141385
470	163	120350	-61401.14133	899317.3170250766	39.34456114972928	-101.0164496	326235.0064397263	4356951.81408031	314.9084861770587	2993.777284897967	2992.523922657828	2993.5013514913674	40.2472624013926	40.2575346992525
471	163	120351	-60741.14133	899317.3170250766	39.34456593201796	-101.014117	326436.4002408993	4356948.996620419	314.691049097107	2992.889590276715	2991.41013852526	2992.3390050742003	41.052952020499	40.5503945
472	163	120352	-60081.14133	899317.3170250766	39.34456944320196	-101.0117844	326637.0755555114	4356944.57030431	314.4862793435413	2992.020803	2994.826591828766	2990.73020582573	42.1762130724919	40.390025344968
473	163	120353	-59421.14133	899317.3170250766	39.34457322457516	-101.0094817	326844.3014310209	4356940.85969556	314.281613212988	2991.161472585384	2994.826591828766	2990.73020582573	42.1762130724919	40.390025344968
474	163	120354	-58761.14133	899317.3170250766	39.3445775565368	-101.0071193	327039.14	4356939.34384965	315.859555	2990.292971121915	2994.70698165174	2994.461223066114	42.028133451737	42.76848586003008
475	163	120355	-58101.14133	899317.3170250766	39.344581545612726	-101.0047867	327240.172661477	4356932.91432138	314.154027643524	2990.32092	2994.67328958497	2994.5457202409143	42.028133451737	42.76848586003008
476	163	120356	-57441.14133	899317.3170250766	39.34458548960433	-101.0024541	327441.2058	4356928.891	314.102669445745	2988.45180255073	2994.0021679117795	2994.38186903812	44.51012342937	44.47131121690186
477	163	120357	-56781.14133	899317.3170250766	39.3445893853843	-101.0001215	327642.2384	4356924.870025845	314.05816545602	2987.563794296274	2992.923022238774	2992.923022238774	44.80039502641024	44.80039502641024
478	163	120358	-56121.14133	899317.3170250766	39.34459324415044	-100.9977898	327843.2708491283	4356920.849597813	314.027455466287	2986.674867945954	2991.1356010396134	2991.65762546378474	45.5392668498198	45.5392668498198
479	163	120359	-55461.14133	899317.3170250766	39.34459761523416	-100.9954664	328044.3014310209	4356918.96912056	313.981371580375	2985.7686255298	2990.979762532873	2990.979762532873	45.706493155424	45.706493155424
480	163	120360	-54801.14133	899317.3170250766	39.344601928971656	-100.9931238	328245.332689956	4356916.80361957	313.846937960534	2984.915473667768	2989.022747369373	2989.022747369373	45.675485776827	45.675485776827
481	163	120361	-54141.14133	899317.3170250766	39.3446053369991	-100.9907912	328446.367226574	4356914.7845929	313.635761848884	2984.0113766602503	2987.6127575432	2987.103555452397	46.3097490481827	46.3097490481827
482	163	120362	-53481.14133	899317.3170250766	39.344608027346525	-100.9884586	328647.390172645	4356914.7845929	313.4267407799016	2983.126418866207	2986.32428384463	2986.32428384463	47.24656702473544	47.24656702473544
483	163	120363	-52821.14133	899317.3170250766	39.34461183593558	-100.986126	328848.4306472554	4356913.57078692	313.2439890604813	2982.244458451625	2985.467197965061	2985.467197965061	47.8270028010926	47.8270028010926
484	163	120364	-52161.14133	899317.3170250766	39.34461519467154	-100.983793	329046.420972747	4356911.3112569	312.8474318442237	2981.265764500514	2984.820201385684	2984.820201385684	48.3803160589267	48.3803160589267
485	163	120365	-51501.14133	899317.3170250766	39.344618597941165	-100.9814089	329250.4937303416	4356909.12508762	312.8474318442237	2980.4894593270333	2984.0738950667333	2983.989809705437	48.6129352488576	48.6129352488576
486	163	120366	-50841.14133	899317.3170250766	39.34462245135784	-100.9791283	329451.524510209	4356908.855878211	312.8474318442237	2979.61513212988	2983.161813921427	2983.161813921427	49.4611699173829	49.4611699173829
487	163	120367	-50181.14133	899317.3170250766	39.34462589971656	-100.9767567	329652.555522734	4356908.855878211	312.8474318442237	2978.7443838672332	2981.57806069259	2981.57806069259	49.713438558674	49.713438558674
488	163	120368	-49521.14133	899317.3170250766	39.34462930301794	-100.9744631	329853.58625034	4356908.6503618	312.8474318442237	2977.877763655295	2979.37036921871	2979.37036921871	49.713438558674	49.713438558674
489	163	120369	-48861.14133	899317.3170250766	39.34463266126174	-100.9721306	330054.6168829354	4356908.6503618	312.8474318442237	2977.015625014551	2976.273581865706	2976.273581865706	50.0817716349443	50.0817716349443
490	163	120370	-48201.14133	899317.3170250766	39.34463597444798	-100.969798	330255.6472412024	4356908.6503618	312.8474318442237	2976.15933420559	2975.990681132378	2975.990681132378	53.37851425436156	53.37851425436156
491	163	120371	-47541.14133	899317.3170250766	39.34463924257664	-100.9674584	330466.677635804	4356908.6503618	312.8474318442237	2975.10587723394	2975.10587723394	2975.10587723394	55.8050081850808	55.8050081850808
492	163	120372	-46881.14133	899317.3170250766	39.34464245564771	-100.9651328	330667.707641898	4356908.6503618	312.8474318442237	2974.146387360793	2974.69576397627	2974.69576397627	57.82480174500575	57.82480174500575
493	163	120373	-46221.14133	899317.3170250766	39.34464569218165	-100.9628047	330868.814510316	4356908.6503618	312.8474318442237	2973.184694258297	2973.899237245237	2973.899237245237	58.684538542851	58.684538542851
494	163	120374	-45561.14133	899317.3170250766	39.34464897167106	-100.9604676	331069.767582976	4356908.6503618	312.8474318442237	2972.21802680249	2973.12878055332	2973.12878055332	59.58332794317575	59.58332794317575
495	163	120375	-44901.1413											

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogKg.r	BRIEVEBothKg.r	SatHtLogB.r	SatHtBoth.r
577	163	120457	9218.85867730351	899317.3170250766	39.3447517400770334	-0.07566829	34774.68644619477	4356523.78845265	2996.946434	2844.3905040035957	2773.002653795923	2778.4965075007497	71.38785020400337	65.891961028495
578	163	120458	9746.85867730351	899317.3170250766	39.34475169887594	-0.07545303	347493.7031260534	4356519.781471269	2996.1334067482244	2842.499271	2771.436272715357	2783.963073939035	70.91326251	58.4488218302518
579	163	120459	10338.85867730351	899317.3170250766	39.344745363890744	-0.07621977	348017.918645459	4356515.786842796	2993.484577054777	2840.7343637054777	2770.38457165607165	2783.421656607317	69.8889750909074	56.85187910909074
580	163	120460	11198.85867730351	899317.3170250766	39.34474649911256	-0.07590651	348347.7360435943	4356511.78594183	2992.038062	2838.207071	2769.58473984093	2778.28918628266	68.69323106125694	59.98872
581	163	120461	11858.85867730351	899317.3170250766	39.34474886244335	-0.07575325	348548.752280170026	4356507.78543497	2990.577948793296	2836.117326899537	2769.020232960357	2773.6833141082925	67.09709394	62.34401271293184
582	163	120462	12518.85867730351	899317.3170250766	39.34474860071839	-0.07551999	348749.7837629555	4356503.785240421	2988.7170197870996	2833.885418853007	2768.85799516518	2770.577178375715	65.072438828285	63.3071072
583	163	120463	13178.85867730351	899317.3170250766	39.34474715336435	-0.07528673	348950.7848173574	4356499.78519547	2986.9620194970616	2831.57643722925	2768.900420735274	2764.756109662387	62.6284298765105	66.8203275603741
584	163	120464	13838.85867730351	899317.3170250766	39.34474623129309	-0.07505347	349151.8001157611	4356495.785312959	2984.1106643380587	2829.158378805287	2768.922431141701	2760.67575383214	60.262494095861	58.50862346907388
585	163	120465	14498.85867730351	899317.3170250766	39.344745363890744	-0.07482022	349352.8157671784	4356491.785638437	2982.292676118646	2826.7084353580144	2768.92562587594	2772.870396846626	57.753530964603	53.857153971
586	163	120466	15158.85867730351	899317.3170250766	39.3447452516365	-0.07458696	349553.831733538	4356487.78519379	2978.40778792321	2824.14370495885	2768.925657250984	2766.712004015444	56.8411500478494	57.4373480400474
587	163	120467	15818.85867730351	899317.3170250766	39.34474319422174	-0.0743537	349754.8466377027	4356483.78627725	2976.258071	2821.491608215686	2767.831475104586	2765.628258	53.654313110945	55.8631574334875
588	163	120468	16478.85867730351	899317.3170250766	39.34474209174851	-0.07412044	349955.8619481984	4356479.78777822	2974.366868565953	2818.753155524724	2766.8039226149426	2765.555328546714	51.9492322972762	54.1978269901137
589	163	120469	17138.85867730351	899317.3170250766	39.34474094421837	-0.07388718	350156.8770172946	4356473.80877895	2973.361660896923	2815.831835239553	2765.46388971833	2767.28604521262345	48.5124041	53.4651024
590	163	120470	17798.85867730351	899317.3170250766	39.3447395162976	-0.07365392	350357.8919417184	4356471.90711594	2971.913464	2813.0316742516	2764.2487556586994	2767.479812	48.7828087	45.55182544645094
591	163	120471	18458.85867730351	899317.3170250766	39.34473851398374	-0.07342068	350558.9807200274	4356467.917688174	2970.5943552558	2810.058964335273	2763.527684237537	2764.49829667424	47.513189959036	45.075067669013216
592	163	120472	19118.85867730351	899317.3170250766	39.34473732127998	-0.0731874	350759.9213541851	4356463.93302948	2969.413591191007	2808.021278065686	2760.44750924117	2769.21189233868	46.5737662847962	37.809383730174886
593	163	120473	19778.85867730351	899317.3170250766	39.3447359	-0.07295414	350960.935847002	4356459.79523175	2968.229273566337	2803.9273566337	2758.542149886258	2765.7271109749423	45.3855960471124	38.1556248391272
594	163	120474	20438.85867730351	899317.3170250766	39.34473453069907	-0.07272089	351161.9501888317	4356455.79280499	2967.04589467896	2800.78179129127	2756.380863149793	2767.84798350636	44.3850056094241	32.940188144964
595	163	120475	21098.85867730351	899317.3170250766	39.3447331281298	-0.07248763	351362.9648761294	4356451.79541205	2966.032338601884	2797.613472159016	2754.254771847253	2768.81682179936	43.3679753684833	32.6962954169657
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597	163	120477	22418.85867730351	899317.3170250766	39.3447301489453	-0.07202111	351764.99235989164	4356443.80462738	2965.845628152127	2791.2140631902885	2748.215101661299	2769.319932370863	41.9988613288994	21.89413295320218
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599	163	120479	23738.85867730351	899317.3170250766	39.3447270156177	-0.07154223	352167.019529258	4356435.810589892	2964.08626006926	2784.869627616348	2745.928332201133	2760.689826178083	40.4928202157805	54.682184
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602	163	120482	25718.85867730351	899317.3170250766	39.3447219206552	-0.07085481	352770.0597767053	4356423.8207813	2961.0662751948	2775.966452001384	2734.60397574004	2768.9146414688	41.35707260934264	34.3956481650525
603	163	120483	26378.85867730351	899317.3170250766	39.34472014772618	-0.07062156	352971.0783126124	4356419.82468738	2960.38511519482	2773.3180474193823	2732.301023	2759.635848448498	41.07024659902385	43.4362857491296
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605	163	120485	27698.85867730351	899317.3170250766	39.34471654547936	-0.07015454	353373.019546548	4356411.83276473	2960.048262006926	2768.028627683	2729.04323202133	2750.689826178083	40.7240471875076	47.848668336545
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609	163	120489	30338.85867730351	899317.3170250766	39.34470853147935	-0.069222	354177.1841792903	4356395.851491537	2956.2124309519983	2760.749586907482	2751.8002280720283	2747.1362541896743	49.82486534821678	49.82486534821678
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615	163	120495	34298.85867730351	899317.3170250766	39.344695233154864	-0.06782245	355383.2184472674	4356371.85835255	2949.15408331979	2750.0883313295	2700.995925288803	2691.25949733956	50.00259041472	58.351331458993
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617	163	120497	35618.85867730351	899317.3170250766	39.3446905918494	-0.06735954	355785.2047487617	4356363.898185261	2947.5359808202376	2748.650936	2694.887521639168	2688.509909192314	57.314140909155	58.14140909155
618	163	120498	36278.85867730351	899317.3170250766	39.34468807	-0.06712268	355986.2516902101	4356359.9403891	2946.53320726665	2744.37325895937	2692.748087482095	2688.509909192314	57.314140909155	58.14140909155
619	163	120499	36938.85867730351	899317.3170250766	39.3446855479361	-0.06688942	356187.263949219	4356355.941790497	2945.436181180154	2743.44834583961	2691.64033029185	2687.509909192314	57.314140909155	58.14140909155
620	163	120500	37598.85867730351	899317.3170250766	39.344683022131355	-0.0666516	356388.2713555427	4356351.91883173	2944.33100642035	2742.54129655804				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
703	163	120583	92378.85867307335	899317.3170250766	39.34431477317715	-104.7285979	370791.69390540745	43566021.1800576765	2547.04522227154	2626.27756487889	2541.0802366078003	2567.746848185807	91.19729041108849	58.50284190639317
704	163	120584	93038.85867307335	899317.3170250766	39.3443084403899	-104.760623	373272.6931691447	43566017.20344445	2706.320314295991	2624.978401	2540.6106622462507	2561.2789851787934	94.36773898119747	63.6994104062652
705	163	120585	93688.85867307335	899317.3170250766	39.34432969843974	-104.668299	373473.6932172916	43566013.236826323	2704.584106364928	2623.71843647636	2540.4053105433698	2551.27843647636	93.31336889893165	63.75353896477657
706	163	120586	94358.85867307335	899317.3170250766	39.344265650590955	-104.650062	373672.6936842306	43566018.95841198	2699.83889643666	2622.406657917903	2540.2039078730063	2545.405150243139	92.23045898878404	75.0310351965149
707	163	120587	95018.85867307335	899317.3170250766	39.3442891862812	-104.636276	373875.69203447504	43566005.27445168	2696.24408581668	2621.308875061296	2539.580032500932	2542.43068750647	91.72884286506343	78.8702831064892
708	163	120588	95678.85867307335	899317.3170250766	39.344261951	-104.612951	374076.6912736913	4356601.28451519	2690.796977485934	2620.1522681572446	2538.04185259591	2538.4521146645991	92.11208299736024	81.7001534264531
709	163	120589	96338.85867307335	899317.3170250766	39.3442761	-104.589625	374277.6903720964	43566057.322662348	2686.35624616003	2619.0223843144235	2536.5170697054446	2536.476725848	92.5052687259843	82.5456029894603
710	163	120590	96998.85867307335	899317.3170250766	39.34426952	-104.5663	374478.68935989705	4355993.3471053215	2681.9108548436503	2617.9172950730826	2534.147408150408	2534.073900966127	93.83898411	83.83898411
711	163	120591	97658.85867307335	899317.3170250766	39.34426974762	-104.545274	374679.6898432014	4355989.372	2679.441947128144	2616.8174047410616	2531.2658627389333	2531.064581789172851	93.83898411	83.83898411
712	163	120592	98318.85867307335	899317.3170250766	39.3442616888006	-104.519548	374880.6897453004	4355985.36654546	2678.944815773743	2615.730242216026	2527.7883316291104	2527.6221709757496	93.83898411	83.83898411
713	163	120593	98978.85867307335	899317.3170250766	39.344265423011	-104.496323	375081.6856	4355981.42182666	2678.4549263347636	2614.653643390325	2526.406383937104	2524.075417253409	93.83898411	83.83898411
714	163	120594	99638.85867307335	899317.3170250766	39.344264525276	-104.472997	375282.6841	4355977.44679311	2677.961437895604	2613.561159172551	2522.076819891966	2521.6280716711285	91.4843752085083	93.1933251402241
715	163	120595	100298.85867307335	899317.3170250766	39.344235849758206	-104.445672	375483.682496885	4355973.472195876	2675.885551330823	2611.4475087521504	2523.1981180551606	2522.79563462489	89.6756651276139	89.6756651276139
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720	163	120600	103598.85867307335	899317.3170250766	39.344200350080976	-104.333044	376488.672749569	4355953.60292177	2661.3393969804504	2606.911802162844	2524.31309702158732	2524.31309702158732	94.2123330014256	84.25261750347474
721	163	120601	104258.85867307335	899317.3170250766	39.3441936847591	-104.309718	376689.6704242594	4355948.62684857	2659.717806532638	2605.779958089736	2524.04610258483	2524.04610258483	94.2123330014256	84.25261750347474
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725	163	120605	106898.85867307335	899317.3170250766	39.3440654128884	-104.216428	377493.6598435019	4355933.729024662	2656.840658715405	2598.946781515405	2509.719778896511	2509.719778896511	94.2123330014256	84.25261750347474
726	163	120606	107558.85867307335	899317.3170250766	39.3441570359984	-104.193091	377694.65120248446	4355929.76314492	2651.711801587134	2598.016748746366	2509.96101	2509.96101	94.2123330014256	84.25261750347474
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730	163	120610	110198.85867307335	899317.3170250766	39.34412807147897	-104.099789	378498.644604424	4355913.87630733	2638.426163454725	2595.4859801748617	2497.7327346137076	2497.7327346137076	94.2123330014256	84.25261750347474
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737	163	120617	114418.85867307335	899317.3170250766	39.3440743558851	-103.936851	379905.617025082	4355886.05001268	2626.902228297196	2587.00545467008	2486.26219283046	2486.26219283046	94.2123330014256	84.25261750347474
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740	163	120620	116398.85867307335	899317.3170250766	39.34405078271618	-103.869534	380508.60428769	4355874.19736991	2621.066352	2583.677057899063	2483.09154899637	2483.09154899637	94.2123330014256	84.25261750347474
1	164	120621	-370941.1413	899977.3170250766	39.3345265	-102.1103818	379132.127556394	4359062.112	3797.342333425424	3773.43208975574647	3717.628755774647	3717.628755774647	94.2123330014256	84.25261750347474
2	164	120622	-370281.1413	899977.3170250766	39.33947794240816	-102.108046	382213.26305926792	4359057.998916462	3797.3195795184	3773.04318318881	3717.628755774647	3717.628755774647	94.2123330014256	84.25261750347474
3	164	120623	-369621.1413	899977.3170250766	39.33903703711345	-102.1057174	382334.3930978546	4359053.838913565	3797.3195795184	3773.04318318881	3717.628755774647	3717.628755774647	94.2123330014256	84.25261750347474
4	164	120624	-368961.1413	899977.3170250766	39.33952841313634	-102.102328	382335.533288881	4359057.998916462	3797.3195795184	3773.04318318881	3717.628755774647	3717.628755774647	94.2123330014256	84.25261750347474
5	164	120625	-368701.1413	899977.3170250766	39.3397284669244	-102.0974772	382336.67692026	4359057.998916462	3797.3195795184	3773.04318318881	3717.628755774647	3717.628755774647	94.2123330014256	84.25261750347474
6	164	120626	-367441.1413	899977.3170250766	39.3395786968497	-102.093708	382337.8024409637	4359041.543						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.	BRIEVBothKrg.	SatHtKlogs.	SatHtBoth.
90	164	12070	-312861.1413	89997.3170250766	39.3415065805162	-101.9051429	494631.05803228723	435870.830219405	3860.742275572327	3343.562348756574	3533.524513825537	3533.927552414545	10.03783493103856	109.58975634203034
90	164	12070	-312201.1413	89997.3170250766	39.34152790339238	-101.9282106	249832.17046624043	435866.733546232	3804.8543216514945	3641.469218935526	3528.485605184597	3528.11614731789456	112.98531247176546	113.35277348958896
91	164	12071	-311541.1413	89997.3170250766	39.3415939676571	-101.9004783	250033.26381333744	435862.937070683	3903.5896770765363	3628.72156472084	3522.97325582945	3522.97325582945	112.6417317984136	116.3869087343038
92	164	12072	-310881.1413	89997.3170250766	39.34157043892579	-101.8981146	250033.26381333744	435862.937070683	3903.5896770765363	3628.72156472084	3522.97325582945	3522.97325582945	112.6417317984136	116.3869087343038
93	164	12073	-310221.1413	89997.3170250766	39.34159163911834	-101.8958136	250435.5802047414	435868.444711831	3802.3562707375797	3635.16238896719	3523.26685048976	3528.61542228884	101.8958881074296	106.5417617383509
94	164	12074	-309561.1413	89997.3170250766	39.3416127426142	-101.8934813	250636.6201298403	435860.348827414	3801.736977221432	3625.062005330333	3538.180173835116	3536.181100636167	96.88091892380885	96.88091892380885
95	164	12075	-308801.1413	89997.3170250766	39.34163390435497	-101.891149	250837.3718081437	435866.733546232	3800.276425731228	3630.668925164237	3542.553887214717	3542.553887214717	87.9142999651945	87.9142999651945
96	164	12076	-308241.1413	89997.3170250766	39.3416398398985	-101.8888166	251038.8432953474	435867.175549458	3797.6722583298	3628.873804634845	3543.1191245981086	3545.612596743983	85.7625525371879142	85.7625525371879142
97	164	12077	-307581.1413	89997.3170250766	39.341693989335	-101.8864815	251239.854251858	435867.175549458	3796.676024	3625.798987197066	3547.8543216514945	3547.8543216514945	85.7625525371879142	85.7625525371879142
98	164	12078	-306921.1413	89997.3170250766	39.341693943389	-101.884152	251441.06538433724	435863.927211327	3793.5822898301	3624.70530933024	3533.413848348513	3539.1552329083936	91.16742926	91.16742926
99	164	12079	-306261.1413	89997.3170250766	39.341717894233156	-101.8818196	251642.1760551447	435869.927211327	3791.051468480452	3622.6740803140506	3527.31181831857	3527.31181831857	90.2383260469343	90.2383260469343
100	164	12080	-305601.1413	89997.3170250766	39.341738779078476	-101.8794873	251843.2865049244	435865.776771719	3788.7029641755305	3620.63100221903	3521.92709069877	3521.92709069877	96.840923253127	96.840923253127
101	164	12081	-304941.1413	89997.3170250766	39.34175961887405	-101.877155	252044.3967077198	435863.927211327	3786.354814885073	3618.5992460815058	3517.436640815076	3517.436640815076	100.466253651226	100.466253651226
102	164	12082	-304281.1413	89997.3170250766	39.34178041361982	-101.8748226	252245.5066326427	435867.175549458	3784.0505983568495	3616.583987195937	3513.43132829676	3513.43132829676	100.466253651226	100.466253651226
103	164	12083	-303621.1413	89997.3170250766	39.34180116331575	-101.8724903	252446.6137460362	435864.947617317	3780.7391103549935	3614.585871994898	3509.7096261675542	3510.310143	100.466253651226	100.466253651226
104	164	12084	-302961.1413	89997.3170250766	39.34182186796179	-101.8701578	252647.7258409985	435863.927211327	3776.533929185132	3612.604816060093	3508.339560177382	3508.339560177382	100.466253651226	100.466253651226
105	164	12085	-302301.1413	89997.3170250766	39.34184252755793	-101.8678256	252848.8305062536	435863.927211327	3772.36848015271	3607.6315894509174	3503.268340471134	3502.12304270748	97.3692489797836	97.3692489797836
106	164	12086	-301641.1413	89997.3170250766	39.34186314210408	-101.8654392	253049.94403977247	435861.213639935	3768.183567	3608.67438826613	3500.40974418895	3500.40974418895	100.466253651226	100.466253651226
107	164	12087	-300981.1413	89997.3170250766	39.341883711600254	-101.8631609	253251.052725634	435862.937070683	3764.583127107116	3606.7228577505457	3497.74458277918	3500.020838937302	100.7693947862763	100.7693947862763
108	164	12088	-300321.1413	89997.3170250766	39.34190423604365	-101.8608285	253452.16126132007	435862.937070683	3761.597191358176	3604.754091358176	3495.1914076382623	3495.6281164983205	99.5628371991291	99.5628371991291
109	164	12089	-299661.1413	89997.3170250766	39.34192471542441	-101.8584962	253663.2690597946	435861.213639935	3758.601881043131	3602.7618971622555	3492.691417042965	3492.691417042965	100.05775005795007	100.05775005795007
110	164	12090	-299001.1413	89997.3170250766	39.34194514978835	-101.8561638	253864.3770701435	435861.213639935	3755.602425950201	3600.735076523267	3490.124868070446	3487.9373384741	100.05775005795007	100.05775005795007
111	164	12091	-298341.1413	89997.3170250766	39.34196592881335	-101.8538374	254069.60414671203	435861.213639935	3752.601527062711	3598.792434551558	3487.9373384741	3487.9373384741	98.847692747464	98.847692747464
112	164	12092	-297681.1413	89997.3170250766	39.341985838232971	-101.8514991	254256.5927787704	435860.65669743	3751.731713615053	3596.5594447838184	3485.7314855363949	3486.865590184845	100.05775005795007	100.05775005795007
113	164	12093	-297021.1413	89997.3170250766	39.34200618255055	-101.8491668	254457.7000489011	435860.65669743	3749.47266669029	3594.497264615058	3483.726925424304	3484.00688955058	100.05775005795007	100.05775005795007
114	164	12094	-296361.1413	89997.3170250766	39.342026436670125	-101.8468344	254658.8071	435859.47261224	3748.563367960207	3592.259680002063	3481.705884958932	3479.631286749174	100.05775005795007	100.05775005795007
115	164	12095	-295701.1413	89997.3170250766	39.34204676546896	-101.8445021	254859.9138639694	435859.47261224	3746.516162086015	3590.093401834833	3479.71058373043	3478.928105440044	100.05775005795007	100.05775005795007
116	164	12096	-295041.1413	89997.3170250766	39.34206681	-101.8421167	255061.0240676936	435859.47261224	3743.4006520339373	3587.928593339763	3477.41313896905	3475.3330393641687	100.05775005795007	100.05775005795007
117	164	12097	-294381.1413	89997.3170250766	39.3420869281335	-101.8398374	255262.1268075411	435859.47261224	3740.4959419899173	3585.9737720977632	3475.3330393641687	3475.3330393641687	98.847692747464	98.847692747464
118	164	12098	-293721.1413	89997.3170250766	39.34210700275695	-101.8375905	255469.6201298403	435859.47261224	3737.58583	3583.521441371363	3473.00525898359	3469.71058373043	100.05775005795007	100.05775005795007
119	164	12099	-293061.1413	89997.3170250766	39.34212703165002	-101.8351728	255664.3368314128	435859.47261224	3735.393677229119	3581.3621002780054	3471.3128209708075	3471.3128209708075	100.05775005795007	100.05775005795007
120	164	12100	-292401.1413	89997.3170250766	39.34214701549266	-101.8328403	255865.4425587037	435859.47261224	3733.91929784618	3579.35440013932	3469.103188343992	3469.103188343992	100.05775005795007	100.05775005795007
121	164	12101	-291741.1413	89997.3170250766	39.3421665824873	-101.8305079	256066.5469210943	435859.47261224	3732.444974688018	3577.239130384354	3466.82469492442	3472.570582849156	100.05775005795007	100.05775005795007
122	164	12102	-291081.1413	89997.3170250766	39.3421868402623	-101.8281755	256267.5646462015	435859.47261224	3730.970590884626	3575.1268853525	3464.521558283034	3464.521558283034	100.05775005795007	100.05775005795007
123	164	12103	-290421.1413	89997.3170250766	39.3422066867111	-101.8258432	256468.759360887	435859.47261224	3728.545429177305	3573.022113623882	3462.2833407094745	3462.2833407094745	100.05775005795007	100.05775005795007
124	164	12104	-289761.1413	89997.3170250766	39.3422265091374	-101.823519	256669.6614671203	435859.47261224	3726.501516	3569.947417233246	3459.947417233246	3459.947417233246	98.847692747464	98.847692747464
125	164	12105	-289101.1413	89997.3170250766	39.3422465894679	-101.8212784	256870.9685167264	435859.47261224	3724.789569693595	3568.80391604712	3458.004682281194	3468.660447817894	100.05775005795007	100.05775005795007
126	164	12106	-288441.1413	89997.3170250766	39.3422659724859	-101.8188461	257072.0726430296	435859.47261224	3722.4545903767134	3567.69847967134	3457.6874261335797	3457.6874261335797	100.05775005795007	100.05775005795007
127	164	12107	-287781.1413	89997.3170250766	39.34228564097373	-101.8165137	257273.1765	435854.29463471255	3721.61354176248	3564.53517752523	3456.888761979806	3456.888761979806	100.05775005795007	100.05775005795007
128	164	12108	-287121.1413	89997.3170250766	39.34230556441099	-101.8141813	257474.2801850057	435854.29463471255	3720.364490467495	3562.36246638562	3455.06157965689	3455.06157965689	100.05775005795007	100.05775005795007
129	164	12109	-286461.1413	89997.3170250766	39.34232484279739	-101.8118489	257675.38395441	435853.711	3708.115376376526	3560.157776817265	3452.994891100546	3452.994891100546	100.05775005795007	100.05775005795007
130	164	12110	-285801.1413	89997.3170250766	39.34234437613921	-101.8095166	257876.4697644773	435853.711	3706.86437706556	3557.923097116714	3451.7968930934822	3451.7968930934822	100.05775005795007	100.05775005795007
131	164	12111	-285141.1413	89997.3170250766	39.34236389581754	-101.8072318	258077.5826981754	435853.711	3705.619257962711	3555.81527062711	3450.792434551558	3450.792434551558	98.847692747464	98.847692747464
132	164	12112	-284481.1413	89997.3170250766	39.3423833765119	-101.8048158	258278.6923634856	435853.711	3704.419302736557	3553.36201776337	3450.004583341193	3450.004583341193	98.847692747464	98.847692747464
133	164	12113	-283821.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogs.kg.ft	BREVEBoth.kg.ft	SatThkLog.ft	SatThkBoth.ft
15	126	120385	-227901.1413	89997.3170250766	39.3438400496089	-01.6112603	274969.0423460773	4358186.202590473	3598.9749026020275	3221.7141711981385	3325.3873870700654	3327.257067351599	36.25678412807309	94.45710336843967
216	16	120386	-229004.1413	89997.3170250766	39.34385570379095	-01.60898728	275170.48571671901	4358182.10749283	3593.3250059968892	3326.6622177912873	3324.7040908619067	3326.9451214247894	96.36132717196042	93.71700334870888
217	164	120387	-228381.1413	89997.3170250766	39.34382713786718	-01.6068963	275371.5568308716	4358178.969104799	3587.6861388435847	3319.045747532884	3328.9761388435847	3328.6661388435847	94.32683230271832	92.8368222020982
218	126	120388	-227721.1413	89997.3170250766	39.3438688628961	-01.6042428	275572.61577673639	4358173.96756731	3582.037348866611	3318.5356703150383	3324.0055789266957	3326.6610216673605	94.33009138539651	91.8746063063082
219	126	120389	-227061.1413	89997.3170250766	39.34390240995818	-01.6019304	275773.7344353659	4358169.916405388	3587.066421176726	3317.464822102907	3323.60240498177654	3326.1434370436705	93.84452729	91.92145163662017
220	126	12040	-226401.1413	89997.3170250766	39.34391788857287	-01.5995979	275974.818622529	4358165.45350624	3586.30739684936	3316.3903689643583	3323.030943236393	3329.59929354935	93.36210257004723	91.79173234708154
221	126	12041	-225741.1413	89997.3170250766	39.343933322133665	-01.5972564	276175.899108286	4358161.74	3573.445517252194	3315.3262531797436	3322.076715100934	3322.898089748961	93.866779880948	92.428163708206
222	126	12042	-225081.1413	89997.3170250766	39.343948710640504	-01.5948329	276376.811134999	4358157.703380856	3571.13795481964	3314.273233839158	3320.667154411509	3329.57232996307	93.2861739289984	93.6941043708121
223	126	12043	-224421.1413	89997.3170250766	39.343964540939384	-01.5926004	276576.628692716	4358153.63365857	3568.139646350687	3313.245747532884	3318.9761388435847	3328.9761388435847	94.2926346696944	94.2926346696944
224	126	12044	-223761.1413	89997.3170250766	39.34397352402276	-01.590288	276778.1444527495	4358149.563097384	3567.450518452132	3312.255743195344	3317.0294482316673	3318.690158817687	95.2262887324166	93.5558438136472
225	126	12045	-223101.1413	89997.3170250766	39.34399406583713	-01.5879385	276980.2258071377	4358145.40352489	3565.761713393958	3311.30368538382	3315.0863143887123	3315.92071767265	96.220821964297	95.38967891
226	126	12046	-222441.1413	89997.3170250766	39.34400981412792	-01.585603	277181.3089314627	4358141.42501145	3564.07248234074	3310.410134707637	3312.963142969607	3313.258078184985	97.4469917941568	97.15205654022463
227	126	12047	-221781.1413	89997.3170250766	39.34402974736464	-01.5832705	277382.3873646934	4358137.435341346	3562.801737732474	3310.5474067423065	3310.887936936007	3311.356014693269	98.4659430150083	98.1250540024621
228	126	12048	-221121.1413	89997.3170250766	39.344050545727	-01.580938	277583.48652182376	4358133.28390896	3561.9491240954778	3310.791249057485	3310.656232170023	3310.9559148071198	100.052011887118	99.9902089365998
229	126	12049	-220461.1413	89997.3170250766	39.34405516867573	-01.5786058	277814.5488979105	4358129.21740352	3561.096645375266	3310.871727881683	3310.6718621069597	3310.6516821797024	101.85391062717257	101.230285884469
230	126	12050	-219801.1413	89997.3170250766	39.34407196749996	-01.576273	278056.623043934	4358125.145811138	3560.2447176843227	3310.65452201443	3310.184611208412	3310.3872455287968	103.866163590139	103.866163590139
231	126	12051	-219141.1413	89997.3170250766	39.34408517977012	-01.5739408	278186.7092631025	4358121.07671444	3559.82582099499	3310.671999082827	3310.97681784816	3310.986358581147	107.4011372224665	107.14693612674157
232	126	12052	-218481.1413	89997.3170250766	39.34410017173597	-01.5716081	278387.78907261835	4358117.00825251	3559.842001513555	3310.86133114637	3310.9625038022535	3310.4814039836458	108.58591472728581	108.58591472728581
233	126	12053	-217821.1413	89997.3170250766	39.34411501647606	-01.5692756	278588.866636881	4358112.93955262	3559.8581200233023	3310.450318	3310.975621087723	3310.965467906334	108.5996102833786	108.5996102833786
234	126	12054	-217161.1413	89997.3170250766	39.344129855804914	-01.5669431	278789.9408365183	4358108.7122262	3559.84362956248	3310.4032386204369	3310.942187772027	3310.1702941439225	109.675198423365	109.675198423365
235	126	12055	-216501.1413	89997.3170250766	39.34414468130793	-01.5646106	278991.02719131287	4358104.3803115648	3560.124263002447	3310.402759996264	3310.92511307618791	3310.7144423718971	109.73121302665893	109.73121302665893
236	126	12056	-215841.1413	89997.3170250766	39.34415945066616	-01.5622781	279192.1061287784	4358100.73520411	3560.66230020099	3310.40385607133	3310.9474261647439	3310.2543749303827	109.73121302665893	109.73121302665893
237	126	12057	-215181.1413	89997.3170250766	39.3442171375085	-01.559876	279399.6592605837	4358095.650589587	3561.47889828154	3310.3847619834583	3310.92511307618791	3310.7144423718971	109.73121302665893	109.73121302665893
238	126	12058	-214521.1413	89997.3170250766	39.34418879390835	-01.5576131	279594.263345573	4358092.59974335	3561.073695550165	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
239	126	12059	-213861.1413	89997.3170250766	39.3442034197932	-01.5552806	279795.3416342036	4358088.9352483	3562.431457822918	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
240	126	12060	-213201.1413	89997.3170250766	39.344217995073	-01.5529481	279996.4910791419	4358084.46	3563.136641504204	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
241	126	12061	-212541.1413	89997.3170250766	39.34422351983906	-01.5506156	280197.497528373	4358080.39801114	3564.301874584206	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
242	126	12062	-211881.1413	89997.3170250766	39.34424701940597	-01.5482831	280398.5751871327	4358076.31169983	3565.237021586677	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
243	126	12063	-211221.1413	89997.3170250766	39.3442616717347	-01.5459586	280599.6592605837	4358072.59974335	3566.14788928154	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
244	126	12064	-210561.1413	89997.3170250766	39.34427637857401	-01.5436811	280800.7295781564	4358068.9196549	3567.171797138919	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
245	126	12065	-209901.1413	89997.3170250766	39.34429021135192	-01.5412586	281001.8069244426	4358064.132851480	3568.0597051750871	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
246	126	12066	-209241.1413	89997.3170250766	39.34430541855646	-01.5389531	281202.8836240404	4358058.9605903	3569.018063262	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
247	126	12067	-208581.1413	89997.3170250766	39.34431878070473	-01.5366206	281403.96021679137	4358056.001156119	3569.8455219531	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
248	126	12068	-207921.1413	89997.3170250766	39.3443329779912	-01.5342881	281605.0365551316	4358051.93560321	3571.3398222610693	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
249	126	12069	-207261.1413	89997.3170250766	39.34434716983882	-01.5319586	281806.1268134616	4358047.87024501	3584.941725218618	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
250	126	12070	-206601.1413	89997.3170250766	39.3443612682308	-01.5296211	282007.188585814	4358043.50508957	3586.458913623027	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
251	126	12071	-205941.1413	89997.3170250766	39.3443757875401	-01.5272796	282208.264827374	4358039.740121973	3588.142266522828	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
252	126	12072	-205281.1413	89997.3170250766	39.34439041562947	-01.5249581	282409.3398	4358035.657354351	3581.84117044642	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
253	126	12073	-204621.1413	89997.3170250766	39.34440347450116	-01.5226256	282610.4150276127	4358031.16073076	3583.317199743101	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
254	126	12074	-203961.1413	89997.3170250766	39.34441735421595	-01.5202931	282811.49087076264	4358027.54608147	3587.2395877140374	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
255	126	12075	-203301.1413	89997.3170250766	39.34443125592689	-01.5179606	283012.5649159732	4358023.48229548	3588.458478194314	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
256	126	12076	-202641.1413	89997.3170250766	39.34444511252539	-01.515628	283213.6356394616	4358019.41802777	3589.0597441813	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
257	126	12077	-201981.1413	89997.3170250766	39.34445904385244	-01.5133011	283414.7085161086	4358015.21064777	3590.172426395383	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119014
258	126	12078	-201321.1413	89997.3170250766	39.34447369073401	-01.510963	283615.78164086	4358008.912807168	3591.264249635383	3310.37695550165	3310.908257255808	3310.923204464389	109.6330428215755	106.55001126119

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKgr.ft	BRELEVbothKgr.ft	SatHLogKgr.ft	SatHbothKgr.ft
341	164	120961	-145641.1413	89997.3172025076	39.34545825014731	-101.3173616	30004.2233987046	357.674.696519084	3360.1847984180754	3257.6871437004997	3198.008070632466	3200.377948572861	57.3094633723516	57.3094633723516
342	164	120962	-145681.1413	89997.3172025076	39.3454621936314	-101.3150291	30005.2603512148	357.676.45392396	3363.184271539795	3255.61008492934	3194.76883226014	3199.34871	57.3094633723516	57.3094633723516
343	164	120963	-145721.1413	89997.3172025076	39.3454761878305	-101.3126693	30006.76371666903	357.686.6024613458	3364.97787047272	3253.81676968406	3192.60271316184	3198.8193834267054	57.3094633723516	57.3094633723516
344	164	120964	-145661.1413	89997.3172025076	39.345488060515606	-101.3103639	30007.39387	357.676.55729595	3365.559361	3251.418323121007	3190.742126919597	3198.76696	57.3094633723516	57.3094633723516
345	164	120965	-143301.1413	89997.3172025076	39.3454977019126	-101.3080313	30110.84502108904	357.668.591862207	3366.142929660138	3249.308861862433	3189.180918222783	3198.792302915386	57.3094633723516	57.3094633723516
346	164	120966	-143241.1413	89997.3172025076	39.34550770881002	-101.3056988	301309.5064401516	357.676.482420975	3367.1292606451463	3247.1926064051463	3187.845678037546	3198.1754311480491	57.3094633723516	57.3094633723516
347	164	120967	-142581.1413	89997.3172025076	39.34551746537184	-101.3033662	301510.56247409683	357.664.416963615	3365.982613973035	3245.0752160590382	3186.3233146654798	3198.792302915386	57.3094633723516	57.3094633723516
348	164	120968	-141921.1413	89997.3172025076	39.345527176676715	-101.3010336	301711.6183133435	357.664.37074052	3363.911388020648	3242.949665407116	3185.3479981067647	3198.971376254427	57.3094633723516	57.3094633723516
349	164	120969	-141201.1413	89997.3172025076	39.34553674322461	-101.298701	301912.5769979574	357.674.325	3361.840126442656	3240.81927143257	3184.571232230365	3198.946797363432	57.3094633723516	57.3094633723516
350	164	120970	-140601.1413	89997.3172025076	39.345546464715504	-101.2963684	302113.7294011449	357.676.279	3359.768961267678	3238.689935386116	3183.47014	3198.411070306266	57.3094633723516	57.3094633723516
351	164	120971	-139941.1413	89997.3172025076	39.34555604104399	-101.2940358	302314.7846641124	357.676.23205797	3359.4369243802834	3236.569031433324	3183.470431723544	3195.113417508709	57.3094633723516	57.3094633723516
352	164	120972	-139281.1413	89997.3172025076	39.34556572326265	-101.2917033	302515.8397260638	357.676.18888531	3360.8401345	3234.4346776026423	3183.26787819334	3197.227276710666	57.3094633723516	57.3094633723516
353	164	120973	-138621.1413	89997.3172025076	39.34557505854609	-101.2893707	302716.894592059	357.676.14	3362.251706	3232.2954597708303	3183.2694801041657	3192.02093884436	57.3094633723516	57.3094633723516
354	164	120974	-137961.1413	89997.3172025076	39.34558449970885	-101.2870381	302917.9493	357.676.909113138	3363.659209366151	3230.148859247454	3183.471450581814	3191.26387118342	57.3094633723516	57.3094633723516
355	164	120975	-137301.1413	89997.3172025076	39.345593895814524	-101.2847059	303197.0307498756	357.676.8105	3362.778849430123	3227.99193039908	3183.84252852071	3192.5289796782054	57.3094633723516	57.3094633723516
356	164	120976	-136641.1413	89997.3172025076	39.34560324686312	-101.2823729	303320.0580378172	357.676.1410159021	3361.11094801638	3225.82292571777	3184.2725063838013	3191.77938887816	57.3094633723516	57.3094633723516
357	164	120977	-135981.1413	89997.3172025076	39.34561258265457	-101.2800403	303521.11237671	357.676.9656658	3358.943082055157	3223.64142516554	3184.8628459417346	3191.7792472293	57.3094633723516	57.3094633723516
358	164	120978	-135321.1413	89997.3172025076	39.34562178138984	-101.2777078	303722.16	357.676.922	3356.77519570675	3221.446060044598	3185.040595880926	3190.331198725394	57.3094633723516	57.3094633723516
359	164	120979	-134661.1413	89997.3172025076	39.34563103	-101.2753752	303923.2197452375	357.676.8761891	3363.685093858527	3219.2356028456743	3183.5727794479317	3188.231420426537	57.3094633723516	57.3094633723516
360	164	120980	-134001.1413	89997.3172025076	39.34564020048613	-101.2730426	304124.2736173853	357.676.83456181	3364.671146	3217.0086403563255	3181.052758179347	3185.778909949743	57.3094633723516	57.3094633723516
361	164	120981	-133341.1413	89997.3172025076	39.34564932624894	-101.27071	304325.326	357.676.931151233	3345.657740952573	3214.76798363262	3177.588279288462	3182.53150052432	57.3094633723516	57.3094633723516
362	164	120982	-132681.1413	89997.3172025076	39.34565840595457	-101.2683774	304526.3797159671	357.676.7436308	3344.65819593685	3212.48773810788	3177.588279288462	3182.53150052432	57.3094633723516	57.3094633723516
363	164	120983	-132021.1413	89997.3172025076	39.34566743261261	-101.2659483	304732.4326119144	357.676.704916785	3342.923401687464	3210.716321493253	3177.588279288462	3182.53150052432	57.3094633723516	57.3094633723516
364	164	120984	-131361.1413	89997.3172025076	39.34567543319413	-101.2637122	304928.45410629626	357.676.61692273	3334.574767594164	3207.978947471357	3167.674765824284	3173.763514653961	57.3094633723516	57.3094633723516
365	164	120985	-1307401.1413	89997.3172025076	39.345685378728064	-101.2613796	305129.537969388	357.676.71694241	3331.2022930446227	3205.58538276011	3163.3483417347907	3162.48762296451	57.3094633723516	57.3094633723516
366	164	120986	-1300401.1413	89997.3172025076	39.345694279204686	-101.259047	305330.590336684	357.675.77031182	3327.828153104427	3200.910896631166	3160.34137897425	3162.48762296451	57.3094633723516	57.3094633723516
367	164	120987	-129381.1413	89997.3172025076	39.34570313462403	-101.2567714	305531.6425130124	357.675.73493936	3325.497056919138	3200.791677387358	3157.443513	3164.45914443384	57.3094633723516	57.3094633723516
368	164	120988	-128721.1413	89997.3172025076	39.3457119486609	-101.2543819	305732.6944862343	357.675.694751472	3324.200929	3198.361076963952	3154.985466186634	3161.480797676176	57.3094633723516	57.3094633723516
369	164	120989	-128061.1413	89997.3172025076	39.345720710268102	-101.2520483	305933.7462937102	357.675.649304801	3322.9929964887464	3195.657681389103	3158.902311228897	3162.48762296451	57.3094633723516	57.3094633723516
370	164	120990	-127401.1413	89997.3172025076	39.34572971381885	-101.249717	306134.56491447	357.675.49023576	3321.63295453523	3195.418167498904	3155.148167498904	3155.148167498904	57.3094633723516	57.3094633723516
371	164	120991	-126741.1413	89997.3172025076	39.34573811	-101.2473841	306335.8493131212	357.675.56377978	3319.3082324181563	3193.3663644557614	3147.5387448625846	3152.5340748281462	57.3094633723516	57.3094633723516
372	164	120992	-126081.1413	89997.3172025076	39.345746735860684	-101.2450515	306536.905378579	357.675.492637434	3315.9454932633434	3191.293650869806	3145.016295034005	3144.405343946286	57.3094633723516	57.3094633723516
373	164	120993	-125421.1413	89997.3172025076	39.34575532093613	-101.2427189	306737.951572885	357.675.485274299	3312.585418167144	3185.686422201818	3142.20228668702	3146.427819277683	57.3094633723516	57.3094633723516
374	164	120994	-124761.1413	89997.3172025076	39.345763869582515	-101.2403863	306939.025183606	357.675.442400971	3309.2240114013635	3183.5741850253572	3143.4027132238944	3144.405343946286	57.3094633723516	57.3094633723516
375	164	120995	-124101.1413	89997.3172025076	39.34577235981407	-101.2380357	307130.040532	357.675.403298699	3306.396793480247	3182.98879638444	3138.22556808044	3140.239538	57.3094633723516	57.3094633723516
376	164	120996	-123441.1413	89997.3172025076	39.34578095212162	-101.2357121	307341.1034173946	357.675.3614361447	3304.993037	3177.63431940472	3137.16203516033	3141.127840892745	57.3094633723516	57.3094633723516
377	164	120997	-122781.1413	89997.3172025076	39.345789106716	-101.2333885	307542.1593199774	357.675.32164822	3303.6116374856738	3174.88127578871	3137.927467229101	3140.239538044	57.3094633723516	57.3094633723516
378	164	120998	-122121.1413	89997.3172025076	39.34579751805518	-101.2310569	307743.2040095776	357.675.283076881	3302.29669048362	3172.092400509266	3126.7679977991406	3130.834603120632	57.3094633723516	57.3094633723516
379	164	120999	-121461.1413	89997.3172025076	39.3458058518575	-101.2287233	307944.2530168286	357.675.24134315	3296.28213130799	3169.26571936391793	3123.530824214688	3127.6634711293	57.3094633723516	57.3094633723516
380	164	121000	-120801.1413	89997.3172025076	39.34581415485883	-101.2263907	308145.306326183	357.675.170048718	3292.70718412886	3166.45344796297	3120.1895610212755	3124.460547384056	57.3094633723516	57.3094633723516
381	164	121001	-120141.1413	89997.3172025076	39.34582237947438	-101.2240681	308346.351482895	357.675.139638277	3290.12227369391	3163.569010350786	3117.04702317312894	3121.637306373697	57.3094633723516	57.3094633723516
382	164	121002	-119481.1413	89997.3172025076	39.34583059032386	-101.2217295	308547.4024852017	357.675.104678138	3285.3379	3160.67788644714	3114.008522730836	3118.173729782647	57.3094633723516	57.3094633723516
383	164	121003	-118821.1413	89997.3172025076	39.34583879236464	-101.2194087	308749.5095926472	357.675.78491424	3282.89407428287	3157.7854374581424	3113.7854374581424	3113.7854374581424	57.3094633723516	57.3094633723516
384	164	121004	-118161.1413	89997.3172025076	39.34584678297575	-101.2170603	308940.5096527055	357.675.846651828	3281.1941097068416	3154.832705881935	3117.01164276751	3113.59662786947	57.3094633723516	57.3094633723516
385	164	121005	-117501.1413	89997.3172025076	39.34585482736109	-101.2147277								

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatHtboths.ft	SatHtBoths.ft
467	161	121087 -63381.14133	89997.3170250766	39.34636113472624	-101.0234529	32565.93414472097	43571.66296793939	39.52979031194182	2966.5466371970656	2966.8506015803223	2957.4236868140857	39.69003562	39.122768562979916
468	161	121088 -62721.14133	89997.3170250766	39.3463543929721	-101.0211022	325836.965905904	43571.6224229314	3155.433351179446	2965.637444	2965.295367580815	2955.837191040035	39.6431772728835	39.79965250380326
469	161	121089 -62061.14133	89997.3170250766	39.34636986979965	-101.0194718	326037.9992	43571.65251901198	3157.884016164711	2964.723457320793	2963.5452223	2954.7807819387847	41.0011737356405	39.7568673526405
470	161	121090 -61401.14133	89997.3170250766	39.346373931	-101.016465	326239.0327831534	43571.6257939337	3993.830269107597	2956.767942430691	2956.795924293165	40.0628407390145	42.03946010390145	42.03946010390145
471	161	121091 -60741.14133	89997.3170250766	39.34637808621877	-101.0141223	326440.0662277387	43571.6021807396	3161.079324235864	2992.9315091859407	2996.646392015757	40.1741747894042	43.26711717022499	42.28409134
472	161	121092 -60081.14133	89997.3170250766	39.3463822069456	-101.0117897	326641.0994925713	43571.6418603477	3161.0115022378	2993.033825050225	2996.061464028683	40.48742667233347	43.05911852664576	43.05911852664576
473	161	121093 -59421.14133	89997.3170250766	39.3463826621355	-101.0094571	326842.132932166	43571.62146	3159.302707608891	2991.354091537282	2996.5220541581934	2947.50735753085	44.6133595953479	43.78467160064338
474	161	121094 -58791.14133	89997.3170250766	39.34639032042305	-101.0071244	327043.165284777	43571.381143111468	3168.144001958496	2990.2369457657173	2996.4242349485	2945.511559961614	44.7167037085243	44.7167037085243
475	161	121095 -58101.14133	89997.3170250766	39.346394931	-101.0047816	327244.19828776014	43571.3412193731	3168.04345114548	2989.37520469512	2994.36289240755	2944.06834410388	45.3530312287369	45.25686802947236
476	161	121096 -57441.14133	89997.3170250766	39.346398253666145	-101.0024592	327445.028020956	43571.3010057242	3168.04345114548	2988.437620705566	2994.2770087771124	2942.85094385198	45.65989129	45.65989129
477	161	121097 -56781.14133	89997.3170250766	39.34640125699746	-101.0001265	327646.2633081076	43571.26108	3167.14074928582	2987.35528681494	2994.515886166389	2941.551866136389	46.03008226465496	46.03008226465496
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480	161	121100 -54801.14133	89997.3170250766	39.3464135944875	-100.9931286	328249.359677674	43571.1410988476	3136.199444578453	2984.833980834775	2993.10891693953	2938.10891693953	46.7269770439241	47.18251315274445
481	161	121101 -54141.14133	89997.3170250766	39.346412286247765	-100.990796	328450.3913231993	43571.099897479	3136.170372917643	2983.307372	2993.5680949272805	2938.068653211666	47.86687181938419	47.86687181938419
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483	161	121103 -52821.14133	89997.3170250766	39.3464206066983	-100.9861307	328852.4543394181	43571.019584986	3125.673819829626	2982.145024848817	2994.3637162249047	2934.060252587693	48.13678625997705	48.13678625997705
484	161	121104 -52161.14133	89997.3170250766	39.34642818429283	-100.983798	329053.48559252743	43570.907145012582	3124.778543649626	2981.2533007964535	2994.040633935186	2933.7008408775055	47.20932740239483	47.55245991162149
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490	161	121110 -48201.14133	89997.3170250766	39.34644573979826	-100.9698022	330259.6968170904	43570.8167761545	3125.252984509933	2975.967987	2992.3013231770705	2926.19698161314	48.1465007562302	49.01793786739793
491	161	121111 -47541.14133	89997.3170250766	39.3464520080103	-100.9674966	330460.69970741705	43570.809896947	3126.252984509933	2975.091471040497	2991.4658064059696	2916.206490833966	58.6253608778017	58.88419802089811
492	161	121112 -46881.14133	89997.3170250766	39.34645521316368	-100.9651369	330661.72963240565	43570.80571747205	3126.8539610620583	2974.231354428894	2991.19610521876	2912.86004834206	61.0351930071756	61.3713068248979
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495	161	121115 -44901.14133	89997.3170250766	39.34646463297123	-100.9581361	331264.8164179823	43570.8198287	3128.81470876697	2971.889751640257	2990.7534518845989	2907.8130242667673	64.367865525558	64.367865525558
496	161	121116 -44241.14133	89997.3170250766	39.346467761731859	-100.9558074	331465.9476378152	43570.8272218113	3129.489177652195	2970.7895717592	2990.117611074	2907.140436744496	64.6656710175385	63.71330459
497	161	121117 -43581.14133	89997.3170250766	39.34647707104918	-100.9534737	331666.876754403	43570.80571747205	3127.017347029795	2970.0346565084383	2990.67800272962	2907.385679589892	62.83543777917466	62.83543777917466
498	161	121118 -42921.14133	89997.3170250766	39.346477362385002	-100.9511411	331867.9057203034	43570.816862231	3128.159840633595	2969.21920791887	2990.73720330347	2908.214793985427	63.949024615394	63.949024615394
499	161	121119 -42261.14133	89997.3170250766	39.34647653159208	-100.9488084	332068.9349647761	43570.8167761545	3126.669854226136	2968.37272622096	2990.65274466917	2909.59549133504	63.7445315953257	63.7445315953257
500	161	121120 -41601.14133	89997.3170250766	39.3464793947355	-100.9464758	332269.9310666743	43570.8356580143	3126.669854226136	2967.586340548508	2991.1439148091165	2911.5973993509783	63.949024615394	63.949024615394
501	161	121121 -40941.14133	89997.3170250766	39.34648221189905	-100.9441324	332470.919535057	43570.82984	3127.1153694215048	2967.773224584955	2991.19541057612	2912.487737	64.7830796	64.7830796
502	161	121122 -40281.14133	89997.3170250766	39.3464849426665	-100.9418156	332672.91936424	43570.8272218113	3127.017347029795	2966.97307623038	2990.7534518845989	2910.54423772982	63.81113394149039	63.81113394149039
503	161	121123 -39621.14133	89997.3170250766	39.34648771	-100.9394779	332875.04072103	43570.806038271	3125.97595961116	2965.145297286206	2990.28995446314	2902.895546770846	62.85514630306475	62.85514630306475
504	161	121124 -38961.14133	89997.3170250766	39.34649304342189	-100.9371452	333074.07610745087	43570.815924235	3126.8539610620583	2964.306909037143	2998.679373972673	2908.65990021323	62.6575264424067	62.6575264424067
505	161	121125 -38301.14133	89997.3170250766	39.34649308111654	-100.9348126	333275.1038966464	43570.8157158146	3126.8539610620583	2963.439301302056	2994.778694668152	2984.72134773231	68.6606066390363	68.7173682662249
506	161	121126 -37641.14133	89997.3170250766	39.34649562414166	-100.9324799	333476.1314421063	43570.80571747205	3126.8539610620583	2962.527785903317	2990.9625233862	2980.901442829414	67.62628576091765	67.62628576091765
507	161	121127 -36981.14133	89997.3170250766	39.34649817	-100.9301473	333677.1589124383	43570.80571747205	3126.8539610620583	2961.5558932914383	2987.851579	2987.2156421462896	67.62628576091765	67.62628576091765
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509	161	121129 -35661.14133	89997.3170250766	39.346503169746873	-100.925482	334078.2128671704	43570.8198287	3126.8539610620583	2959.38783216244	2987.787862195762	2982.787862195762	68.3740273690147	68.3740273690147
510	161	121130 -35001.14133	89997.3170250766	39.34650542847535	-100.9231474	334280.240	4356993503	3125.97595961116	2958.17039615934	2987.048469345	2985.818213929483	62.85514630306475	62.85514630306475
511	161	121131 -34341.14133	89997.3170250766	39.34650709991172	-100.9208167	334481.2671755124	435698949184515	3125.97595961116	2957.837020751733	2986.88778470594	2982.28934681774	64.86859113571313	64.86859113571313

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtLog.f	SatHtBoth.f
53	1213	1778.8586730335	89997.3170250766	39.3465487141905	-100.7295937	505964.93721601774	4356660.987293653	2962.086360389746	2783.1226615426194	2786.2339164123596	2765.399701676729	48.33864513025983	37.27285986890496
594	16124	20438.8586730335	89997.3170250766	39.3465472865468	-100.7272071	511165.9513584685	4356656.986216437	2960.611743623433	2780.111995123748	2783.9023678436917	2764.368926674239	48.2077668683108	35.74306844680588
595	16125	21098.8586730335	89997.3170250766	39.3465488096512	-100.7248744	511366.963571081	4356658.986371081	2961.0346192601546	2781.527949623792	2784.578136373792	2764.578136373792	45.48910548253337	40.8804909036268
596	16126	21758.8586730335	89997.3170250766	39.34654814767923	-100.7225418	511567.979116006	4356648.983624732	2960.611743623433	2783.91864960268	2786.781074	2762.833651971474	45.130852849615	31.08528446251947
597	16127	22418.8586730335	89997.3170250766	39.34654820964815	-100.7202091	511768.9922233813	4356644.986146227	2960.613036958038	2780.914092479283	2786.467701034701	2759.238622	44.34639144458719	37.64373762952727
598	16128	23078.8586730335	89997.3170250766	39.3465413655815	-100.7178765	511970.064895201	4356640.98834274	2960.613036958038	2780.72740566197	2783.8264749788345	2753.1093382516777	43.368845762596	34.61794045110365
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602	16132	25718.8586730335	89997.3170250766	39.3465349639019	-100.7085459	512734.05932800765	4356625.011566816	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
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604	16134	27038.8586730335	89997.3170250766	39.34653109178134	-100.703886	513176.0848985797	4356617.01090874	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
605	16135	27698.8586730335	89997.3170250766	39.346529232379134	-100.701548	513377.0974570227	4356613.005	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
606	16136	28358.8586730335	89997.3170250766	39.34652731	-100.6992153	513578.1098833618	4356609.02738602	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
607	16137	29018.8586730335	89997.3170250766	39.3465253109801	-100.6968827	513779.2121680525	4356605.031825133	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
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609	16139	30338.8586730335	89997.3170250766	39.3465212868143	-100.6922174	514181.1463125887	4356597.041282782	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
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611	16141	31658.8586730335	89997.3170250766	39.346517066239	-100.6875251	514583.168927474	4356589.05154221	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
612	16142	32318.8586730335	89997.3170250766	39.3465148811508	-100.6852194	514784.1814716974	4356585.06202003	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
613	16143	32978.8586730335	89997.3170250766	39.34651263141936	-100.6828898	514985.1920117216	4356581.06202003	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
614	16144	33638.8586730335	89997.3170250766	39.3465103910915	-100.680542	515186.2042087005	4356577.068312097	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
615	16145	34298.8586730335	89997.3170250766	39.34647381146557	-100.6782187	515387.236490009	4356573.068312097	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
616	16146	34958.8586730335	89997.3170250766	39.3465055656941	-100.6758893	515588.226384763	4356569.0047711	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
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618	16148	36278.8586730335	89997.3170250766	39.3465008329354	-100.6712236	515990.2400252845	4356561.09418675	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
619	16149	36938.8586730335	89997.3170250766	39.3464983306737	-100.6688809	516191.2586024303	4356557.001733665	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
620	16150	37598.8586730335	89997.3170250766	39.3464957886236	-100.6665583	516392.269032634	4356553.01129516	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
621	16151	38258.8586730335	89997.3170250766	39.34649312692367	-100.6642316	516593.278831456	4356549.01129516	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
622	16152	38918.8586730335	89997.3170250766	39.34649046158116	-100.6619043	516794.295670263	4356545.01129516	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
623	16153	39578.8586730335	89997.3170250766	39.3464878517454	-100.6595604	516995.2996	4356541.01129516	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
624	16154	40238.8586730335	89997.3170250766	39.3464851055433	-100.6572277	517196.3902039803	4356537.136874598	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
625	16155	40898.8586730335	89997.3170250766	39.34648239087513	-100.6548951	517397.3192891134	4356533.14794362	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
626	16156	41558.8586730335	89997.3170250766	39.346479561737526	-100.6525624	517598.3282001804	4356529.15207614	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
627	16157	42218.8586730335	89997.3170250766	39.34647671640494	-100.6502298	517799.3341331187	4356525.161213894	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
628	16158	42878.8586730335	89997.3170250766	39.34647381146557	-100.6478787	518000.3478	4356521.169113467	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
629	16159	43538.8586730335	89997.3170250766	39.34647086157145	-100.6454565	518201.368679463	4356517.17846321	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
630	16160	44198.8586730335	89997.3170250766	39.34646786659704	-100.6432319	518402.366195139	4356513.187290464	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
631	16161	44858.8586730335	89997.3170250766	39.3464651825735	-100.6408992	518603.371144234	4356509.16963954	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
632	16162	45518.8586730335	89997.3170250766	39.346461741474926	-100.6385626	518804.38227441	4356505.2064201	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
633	16163	46178.8586730335	89997.3170250766	39.34645881132573	-100.6362339	519005.3926	4356501.215108393	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
634	16164	46838.8586730335	89997.3170250766	39.3464554	-100.633931	519206.401130481	4356497.224767524	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
635	16165	47498.8586730335	89997.3170250766	39.34645241580116	-100.6315947	519407.41658116	4356489.234767524	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
636	16166	48158.8586730335	89997.3170250766	39.34644950525705	-100.6292632	519608.417194771	4356480.25	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973	45.1178191842764	35.74306844680588
637	16167	48818.8586730335	89997.3170250766	39.34644564	-100.6269034	519809.4292279357	4356485.2530245	2960.613036958038	2780.710244949278	2783.05445853684	2747.037983702973		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatThkLog.f	SatThkBoth.f
719	16	12139	102938.85867307335	89997.3170250766	39.34602085455955	-100.4356279	376291.650828395	4356158.75113195	2665.638839375178	2607.2446099706203	2539.0111537873063	2539.2504117128325	68.2344651831405	67.9941982432795
720	164	12340	103598.85867307335	89997.3170250766	39.3460139033131	-100.4326301	376492.648470116	4356164.73304163	2606.127335052033	2538.8713735068317	2539.0111537873063	2539.2504117128325	67.2534107086723	67.0678416702671
721	164	12341	104258.85867307335	89997.3170250766	39.3460267904518	-100.4306427	376693.645472631	4356150.80381253	2605.950745509233	2538.003629	2538.003629423999	2538.003629423999	65.8740924652592	65.8740924652592
722	164	12342	104940.85867307335	89997.3170250766	39.34599568710146	-100.4283601	376894.643302451	4356146.87041676	2603.321392	2536.87527230218	2542.152673707416	2542.5798510310413	61.27598828201956	61.295454902362
723	164	12343	105578.85867307335	89997.3170250766	39.34599283239923	-100.4262975	377095.6403696745	4356142.857	2607.7728357031	2542.746048563444	2542.746048563444	2542.746048563444	56.50778590228174	55.47196949343273
724	164	12344	106238.85867307335	89997.3170250766	39.34598515283949	-100.4239648	377296.635671517	4356138.88427278	2606.5573487954484	2601.6172639795086	2542.6304278900002	2543.668762920436	58.6870940818375	57.94849477707248
725	164	12345	106888.85867307335	89997.3170250766	39.34597758	-100.4216322	377497.6346611227	4356134.19148715	2606.4039615549716	2542.5736112828553	2542.5736112828553	2542.5736112828553	56.8670940818375	55.47196949343273
726	164	12346	107558.85867307335	89997.3170250766	39.3459705674648	-100.4192996	377688.6315	4356130.9388267	2605.717479312817	2541.939366508288	2541.939366508288	2541.939366508288	57.12470216555495	56.8670940818375
727	164	12347	108228.85867307335	89997.3170250766	39.34596319111325	-100.416987	377889.6204916577	4356126.90381253	2605.13652593816	2540.2629310298884	2540.2629310298884	2540.2629310298884	57.12470216555495	56.8670940818375
728	164	12348	108908.85867307335	89997.3170250766	39.34595574022216	-100.4146344	378100.624963303	4356122.924527471	2604.9388949575	2537.0236917538	2499.167050142356	2498.62217510875	57.9954502347232	56.8670940818375
729	164	12349	109538.85867307335	89997.3170250766	39.34594832467339	-100.4123018	378301.6214978623	4356119.022323054	2608.753198674522	2539.9136187452	2495.970614231873	2495.970614231873	57.9954502347232	56.8670940818375
730	164	12350	110188.85867307335	89997.3170250766	39.34594082	-100.4099962	378502.6175125076	4356115.05041915	2675.541027046132	2539.759035444919	2493.78444966594	2493.78444966594	57.12470216555495	56.8670940818375
731	164	12351	110838.85867307335	89997.3170250766	39.34593287800244	-100.4076386	378703.6124162415	4356110.77626915	2680.217696746838	2539.5991897189367	2492.286608272344	2491.945125984813	57.12470216555495	56.8670940818375
732	164	12352	111518.85867307335	89997.3170250766	39.3459256780033	-100.405304	378904.6100414729	4356107.10715126	2682.837667879343	2539.43913908089	2490.269182593846	2490.269182593846	57.12470216555495	56.8670940818375
733	164	12353	112198.85867307335	89997.3170250766	39.3459185110051	-100.4029714	379105.6046706356	4356103.136	2685.45708110254	2539.26302739808	2488.383573351564	2488.383573351564	57.12470216555495	56.8670940818375
734	164	12354	112838.85867307335	89997.3170250766	39.345910706257	-100.400638	379306.6024412257	4356099.164091132	2688.07766734196	2539.0983001121	2486.891701288903	2486.891701288903	57.12470216555495	56.8670940818375
735	164	12355	113498.85867307335	89997.3170250766	39.3459024396773	-100.3983062	379507.5962621354	4356095.19412987	2688.1575904082	2498.0492953231	2485.44921385808	2485.44921385808	57.12470216555495	56.8670940818375
736	164	12356	114158.85867307335	89997.3170250766	39.345894781274196	-100.3959736	379708.593084974	4356091.223	2678.2178541452557	2677.7302530826	2485.7225485918895	2485.7225485918895	57.12470216555495	56.8670940818375
737	164	12357	114818.85867307335	89997.3170250766	39.3458876	-100.393641	379909.589925601	4356087.25266546	2670.86202544843	2585.546117996448	2485.4742595931943	2484.589432115926	57.12470216555495	56.8670940818375
738	164	12358	115478.85867307335	89997.3170250766	39.345879195339564	-100.3913084	380110.58050537983	4356078.26276336	2654.52326544453	2585.359594288522	2483.342696027726	2483.342696027726	57.12470216555495	56.8670940818375
739	164	12359	116138.85867307335	89997.3170250766	39.3458712890104	-100.3889757	380311.580463544	4356079.31257038	2658.7127674371304	2584.170349326965	2483.661747115819	2483.661747115819	57.12470216555495	56.8670940818375
740	164	12360	116798.85867307335	89997.3170250766	39.34586337626255	-100.3866431	380512.57572726984	4356074.2646496	2656.64332743303	2582.97878	2480.2539671630526	2479.50565284531797	57.12470216555495	56.8670940818375
1	165	12361	117458.85867307335	89997.3170250766	39.34585519111325	-100.3843144	380758.2504916577	4356069.43281432	2654.9108649894764	2582.3143161625497	2479.50565284531797	2479.50565284531797	57.12470216555495	56.8670940818375
2	165	12362	118118.85867307335	89997.3170250766	39.345847139033131	-100.3820622	381013.2572727077	4356064.968	2652.97811075856	2579.44011075856	2579.44011075856	2579.44011075856	57.12470216555495	56.8670940818375
3	165	12363	118778.85867307335	89997.3170250766	39.34583917032055	-100.3797959	381273.3857227077	4356060.2505076	2650.97141567856	2577.1145667141	2577.1145667141	2577.1145667141	57.12470216555495	56.8670940818375
4	165	12364	119438.85867307335	89997.3170250766	39.3458306100333	-100.3775491	381539.655311131	4356055.1843518	2649.308278015574	2576.1269697317803	2576.1269697317803	2576.1269697317803	57.12470216555495	56.8670940818375
5	165	12365	120098.85867307335	89997.3170250766	39.34582166181401	-100.3753002	381801.6214978623	4356050.968	2647.51269594973	2575.7267396802	2575.7267396802	2575.7267396802	57.12470216555495	56.8670940818375
6	165	12366	120758.85867307335	89997.3170250766	39.3458136809956	-100.3730511	382073.3857227077	4356045.138785	2645.96785723402	2574.888875872493	2574.888875872493	2574.888875872493	57.12470216555495	56.8670940818375
7	165	12367	121418.85867307335	89997.3170250766	39.34580519111325	-100.3707959	382348.5924916577	4356040.2505076	2644.07766734196	2574.0108649894764	2574.0108649894764	2574.0108649894764	57.12470216555495	56.8670940818375
8	165	12368	122078.85867307335	89997.3170250766	39.34579671032055	-100.3685471	382623.3857227077	4356035.1843518	2642.185778015574	2573.13807317803	2573.13807317803	2573.13807317803	57.12470216555495	56.8670940818375
9	165	12369	122738.85867307335	89997.3170250766	39.3457882166181401	-100.3663002	382901.6214978623	4356030.968	2640.29082544843	2572.2513807317803	2572.2513807317803	2572.2513807317803	57.12470216555495	56.8670940818375
10	165	12370	123398.85867307335	89997.3170250766	39.34577971032055	-100.3640531	383173.3857227077	4356025.968	2638.4039615549716	2571.36187452	2571.36187452	2571.36187452	57.12470216555495	56.8670940818375
11	165	12371	124058.85867307335	89997.3170250766	39.3457712890104	-100.3618062	383448.5924916577	4356020.968	2636.51269594973	2570.470396544919	2570.470396544919	2570.470396544919	57.12470216555495	56.8670940818375
12	165	12372	124718.85867307335	89997.3170250766	39.34576271032055	-100.3595591	383723.3857227077	4356015.71032055	2634.62185778015574	2569.5802530826	2569.5802530826	2569.5802530826	57.12470216555495	56.8670940818375
13	165	12373	125378.85867307335	89997.3170250766	39.3457541695371	-100.3573002	384001.6214978623	4356010.71032055	2632.7302530826	2568.691747115819	2568.691747115819	2568.691747115819	57.12470216555495	56.8670940818375
14	165	12374	126038.85867307335	89997.3170250766	39.34574561032055	-100.3550531	384273.3857227077	4356005.968	2630.802544843	2567.802544843	2567.802544843	2567.802544843	57.12470216555495	56.8670940818375
15	165	12375	126698.85867307335	89997.3170250766	39.34573706170141	-100.3528062	384548.5924916577	4356000.968	2628.9136187452	2566.9136187452	2566.9136187452	2566.9136187452	57.12470216555495	56.8670940818375
16	165	12376	127358.85867307335	89997.3170250766	39.34572851032055	-100.3505591	384823.3857227077	4355995.968	2627.0236917538	2566.0236917538	2566.0236917538	2566.0236917538	57.12470216555495	56.8670940818375
17	165	12377	128018.85867307335	89997.3170250766	39.3457200166181401	-100.3483002	385101.6214978623	4355990.968	2625.13807317803	2565.13807317803	2565.13807317803	2565.13807317803	57.12470216555495	56.8670940818375
18	165	12378	128678.85867307335	89997.3170250766	39.34571151032055	-100.3460531	385373.3857227077	4355985.968	2623.2513807317803	2564.2513807317803	2564.2513807317803	2564.2513807317803	57.12470216555495	56.8670940818375
19	165	12379	129338.85867307335	89997.3170250766	39.3457030166181401	-100.3438062	385648.5924916577	4355980.968	2621.36187452	2563.36187452	2563.36187452	2563.36187452	57.12470216555495	56.8670940818375
20	165	12380	129998.85867307335	89997.3170250766	39.34569451032055	-100.3415591	385923.3857227077	4355975.968	2619.470396544919	2562.470396544919	2562.470396544919	2562.470396544919	57.12470216555495	56.8670940818375
21	165	12381	130658.85867307335	89997.3170250766	39.34568601032055	-100.3393062	386201.6214978623	4355970.968	2617.5802530826	2561.5802530826	2561.5802530826	2561.5802530826	57.12470216555495	56.8670940818375
22	165	12382	131318.85867307335	89997.3170250766	39.34567751032055	-100.3370591	386473.3857227077	4355965.968	2615.691747115819	2560.691747115819	2560.691			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
105	125	121465	-302301.1413	900637.3170250766	39.34365517656218	-101.8678521	25852.9364378637	43588.3693209925	374.53285674337	30.169767313068	3500.9561355136148	3506.166879143267	10.7451376707339	10.430373998742102
106	125	121466	-30164.1413	900637.3170250766	39.34367519163436	-101.8655197	25304.0542086768	43588.342944701	3768.502964486105	30.713224	3498.7601931079466	3504.63227589915	10.93303170411339	10.4080969521484
107	125	121467	-300921.1413	900637.3170250766	39.3436816554255	-101.8631874	25355.12513761674	43588.26405921689	3768.66139287738	30.69286912412	3498.6766841379017	3499.556061577527	11.05300117351045	10.6736314348487
108	125	121468	-300321.1413	900637.3170250766	39.34371688625925	-101.8608549	25345.62620175405	43588.234953477	3761.9944296446105	30.6047334	3504.559697061617	3496.439478679276	11.1475408433278	10.98249758872219
109	125	121469	-299661.1413	900637.3170250766	39.34373736654341	-101.8585225	25365.730705062033	43588.201420857	3758.305426876935	30.602794486803373	3492.3757817061523	3493.915004430123	11.03366697420501	10.8804441791244
110	125	121470	-299001.1413	900637.3170250766	39.3437580141127	-101.8561901	25385.47785075664	43588.172643923	3754.616556110384	30.6047334	3490.019242361975	3491.70737177562	11.04653413931183	10.871065984721
111	125	121471	-298341.1413	900637.3170250766	39.3437781227344	-101.8535877	25409.5842010707	43588.12034	3751.98736226073	30.59607526858054	3487.813834441536	3484.122171479483	11.0739132397041	11.484585086329834
112	125	121472	-297681.1413	900637.3170250766	39.343785399207	-101.8512523	25426.6027909683	43588.07941	3750.41821254167	30.59657214930476	3486.507214930476	3485.47701564134	11.0335133396406	12.73982598637408
113	125	121473	-297021.1413	900637.3170250766	39.34381865075041	-101.8491929	25446.17987748324	43588.0436716	3748.619287328	30.5943623671695	3484.367014852147	3482.745702264787	11.047522264787	14.06831683686887
114	125	121474	-296361.1413	900637.3170250766	39.343830036733	-101.8468605	25462.905682917	43587.997565347	3747.27718427294	30.59224021026513	3481.3102778652748	3479.028527567097	11.029351613381	11.67115844951414
115	125	121475	-295701.1413	900637.3170250766	39.34385929977794	-101.844528	25484.0131761248	43587.95665	3745.133806367392	30.590205399471	3478.3028354901562	3470.562731059714	11.07841850455478	18.5027229298996
116	125	121476	-295041.1413	900637.3170250766	39.34387945436755	-101.8421956	25505.1195125551	43587.915270547	3742.01055243547	30.58749037201097	3477.240702795715	3381.784838917506	11.0700244055254	19.52498219162
117	125	121477	-294381.1413	900637.3170250766	39.34389954054164	-101.839632	25526.2257074822	43587.884122388	3738.67582771185	30.5857968105428936	3475.30236650012	3382.929116556046	11.04944440228143	20.28679048272893
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123	125	121483	-290421.1413	900637.3170250766	39.344019355014176	-101.8258687	25647.85719873803	43587.635895518	3731.0205541781585	30.573128807687013	3463.4416546423717	3469.08533090306	11.05877350425297	18.334965458919764
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127	125	121487	-287781.1413	900637.3170250766	39.34410369128314	-101.816217	25727.27337857242	43587.437807116	3724.619287328	30.5643927807116	3460.1875597135213	3461.92551520919	11.0549219262749	10.9776692579498
128	125	121488	-287121.1413	900637.3170250766	39.34411750253143	-101.814205	25746.378	43587.42498243	3718.304174432004	30.5625885169605	3456.77199944498	3461.977357544827	10.7548578021043	10.54950071478152
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142	125	121502	-277881.1413	900637.3170250766	39.34438792987954	-101.7815523	26023.7993542857	43586.8652500467	3714.315151698554	30.53014411682804	3425.414726200466	3447.673635281814	102.6167662044077	102.6167662044077
143	125	121503	-277221.1413	900637.3170250766	39.3444087603381	-101.779219	26044.89903414125	43586.8316945414	3713.6157449504067	30.527884594064877	3424.180975391322	3447.673635281814	102.6167662044077	102.6167662044077
144	125	121504	-276561.1413	900637.3170250766	39.34442578113555	-101.7768874	26065.99943413344	43586.802387107	3712.6018550442034	30.52564407877337	3422.618471075495	3447.673635281814	102.6167662044077	102.6167662044077
145	125	121505	-275901.1413	900637.3170250766	39.3444444	-101.77455	26086.9982861094	43586.7709715816	3709.5555553302824	30.52346407877337	3420.807096245827	3447.673635281814	102.6167662044077	102.6167662044077
146	125	121506	-275241.1413	900637.3170250766	39.344463381510782	-101.772225	26108.19867776	43586.741301497	3707.511255216527	30.5212151670703	3418.724031409424	3325.96455424816	102.6167662044077	102.6167662044077
147	125	121507	-274581.1413	900637.3170250766	39.344482381510782	-101.769898	26130.161036318	43586.71305021	3706.241977810478	30.51933333333333	3418.724031409424	3325.96455424816	102.6167662044077	102.6167662044077
148	125	121508	-273921.1413	900637.3170250766	39.34450094316128	-101.767576	26150.395950064	43586.6870148182	3705.016351063477	30.51731014707824	3418.724031409424	3325.96455424816	102.6167662044077	102.6167662044077
149	125	121509	-273261.1413	900637.3170250766	39.34451962085475	-101.7652252	26170.							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	LatHkBoth.	SurfBothHt.
231	165	121591	-219141.1413	906037.3170250766	39.34589788604764	-101.5739598	27819.78469396043	438322.334129914	3557.591736125018	3505.132484848583	3300.1881471902398	3300.25129	104.944372923433	104.8811941723301
232	165	121592	-218481.1413	906037.3170250766	39.34591262345186	-101.5716273	27831.86429793206	438318.265218554	3557.202203950567	3402.289392890946	3298.1837704399736	3297.9313	106.1066278	106.37578897696
233	165	121593	-217281.1413	906037.3170250766	39.34592717618355	-101.5692487	27853.94638351926	438314.196303987	3558.417271861587	3403.4294325561742	3298.623389681254	3298.433114369652	108.60811469623502	108.3332119661237
234	165	121594	-217161.1413	906037.3170250766	39.34594256587981	-101.5669622	27874.025807841884	438310.128	3558.4262149194847	3402.5518082667335	3299.90866739357	3299.356892716588	106.643106275151	106.1931155028435
235	165	121595	-216501.1413	906037.3170250766	39.34595736906508	-101.5646296	27895.0108	438306.05966409	3556.321556821116	3401.654569	3295.14392	3295.591739072484	106.5107392050624	106.055484923917
236	165	121596	-215841.1413	906037.3170250766	39.34597217218591	-101.5622971	279196.1805316968	438301.3319339986	3556.5014274407774	3400.736513933463	3294.400151531215	3294.81236240224769	105.9326190268043	105.336190268043
237	165	121597	-215181.1413	906037.3170250766	39.3459881	-101.5599645	279397.25050455798	438287.9238210224	3556.6809328666438	3399.7961923736828	3293.6258911548866	3294.40381	106.17030158279613	105.37831673128
238	165	121598	-214521.1413	906037.3170250766	39.34600158269922	-101.557632	279598.37	438285.958601	3556.860521	3398.8326247275486	3292.61887973275	3293.457465	106.21073677022105	105.3235192707869
239	165	121599	-213861.1413	906037.3170250766	39.34601612122688	-101.5555994	279791.54213313	438283.983664653	3557.844526128136	3397.844526128136	3291.388348797466	3292.487232062615	106.4561829151746	105.3471051636269
240	165	121600	-213201.1413	906037.3170250766	39.34603070913165	-101.5529569	279800.493285375	438285.721009053	3558.864235586784	3396.8311209189005	3299.841058154337	3299.3802757518767	106.99005276545237	106.4439330270387
241	165	121601	-212541.1413	906037.3170250766	39.34604524197908	-101.5506343	28001.57092004113	438281.63366674	3560.1401837060282	3395.7916632674105	3297.925809094539	3287.97118956347	107.8204831106341	107.8204831106341
242	165	121602	-211881.1413	906037.3170250766	39.34605972977087	-101.5483017	280402.6483579156	438287.7586921927	3560.0614130962927	3394.7252894496093	3286.1824923184963	3285.57762709495	108.5430369111295	108.1677662401136
243	165	121603	-211221.1413	906037.3170250766	39.34607417250696	-101.5459962	280603.757540033	438283.6321737396	3560.908543561525	3393.632123275143	3285.908057724059	3287.7406555113548	108.40246058446696	108.40246058446696
244	165	121604	-210561.1413	906037.3170250766	39.34608801761334	-101.5436306	280804.8025667124	438286.493322279	3558.61742939881	3392.5108909606155	3288.925968801855	3288.925977766894	108.341130416843005	104.1131732027615
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247	165	121607	-208581.1413	906037.3170250766	39.34613148290103	-101.5366389	281408.032366013	438287.255145309	3551.199644789442	3388.98224532442	3299.424951869543	3299.314621144569	107.955292662997	89.6762309
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249	165	121609	-207261.1413	906037.3170250766	39.34615988277051	-101.5319738	281810.184126884	438284.912381596	3546.036394520867	3386.50885706254	3300.446260203973	3300.446260383045	86.50592356665215	86.10508286757985
250	165	121610	-206601.1413	906037.3170250766	39.34617401105145	-101.5296413	282011.2601162277	438285.3498435975	3543.299652149287	3385.233874317474	3299.7472167495894	3299.696354280381	85.89667526201876	85.3750209433105
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255	165	121615	-203301.1413	906037.3170250766	39.34624339793655	-101.5179784	283016.634168819	438283.734527848	3533.887608761234	3377.4277002876097	3289.64936108285	3289.635025294286	88.7781671390116	88.77461499278373
256	165	121616	-202641.1413	906037.3170250766	39.34625782800337	-101.5156458	283217.70983054376	438282.073035096	3532.02289801542	3376.95725081689	3286.57256397702	3286.48351707502906	90.3848661398701	90.4737301139851
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258	165	121618	-201321.1413	906037.3170250766	39.34628540684555	-101.5109807	283619.8	438282.154293127	3528.834736887796	3373.8390907604253	3292.520326413246	3292.520326413246	94.3187643471924	94.3187643471924
259	165	121619	-200661.1413	906037.3170250766	39.34629912889597	-101.5084681	283820.8310862266	438283.910862896	3526.503873695376	3371.144807606066	3291.3606285144	3291.3606285144	95.7886495916584	95.7886495916584
260	165	121620	-200001.1413	906037.3170250766	39.34631392181615	-101.5053156	284022.005738452	438284.11552915	3524.0041552915	3369.321919456509	3290.1917197854	3290.1917197854	96.3253933707033	96.3253933707033
261	165	121621	-199341.1413	906037.3170250766	39.346326347310415	-101.503093	284223.0787229294	438280.352318902	3526.458438385757	3368.3653175184554	3293.182576330099	3292.77401502961495	95.18274117935653	95.18274117935653
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265	165	121625	-196701.1413	906037.3170250766	39.346380513564748	-101.4946527	285027.370051445	438318.104772513	3513.403117755214	3359.78796627896	3293.550544029684	3293.405482708298	84.2230474490574	84.2230474490574
266	165	121626	-196041.1413	906037.3170250766	39.34639392102545	-101.492301	285229.4420743713	438318.039214629	3512.700821970224	3357.554654937307	3292.65467329017	3292.65467329017	85.8041768519744	85.8041768519744
267	165	121627	-195381.1413	906037.3170250766	39.34640781440425	-101.4898975	285425.51438827548	438318.719718324	3511.207177965018	3355.25379845514	3293.186725942962	3293.186725942962	87.1325638969478	87.1325638969478
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269	165	121629	-194061.1413	906037.3170250766	39.3464338691836	-101.4853224	285831.6579136317	438309.87305939	3508.8794715264835	3350.8821968731896	3280.315843	3293.79345239212725	70.5663529972959	70.5663529972959
270	165	121630	-193401.1413	906037.3170250766	39.34644709524055	-101.4829898	286032.7236040536	438318.792267167	3507.71561891638	3348.683458258596	3277.909004012772	3277.929362004316	70.7749418130878	70.7749418130878
271	165	121631	-192741.1413	906037.3170250766	39.346460726406894	-101.4806572	286232.8060011444	438318.59173	3506.09129314322	3346.6125081671254	3274.15137638105	3274.15137638105	72.26258579007426	72.26258579007426
272	165	121632	-192081.1413	906037.3170250766	39.3464734	-101.4783246	286434.8716	438318.656991717	3504.007952390445	3344.27053039997	3273.78863215026	3273.78863215026	72.5905700887399	72.5905700887399
273	165	121633	-191421.1413	906037.3170250766	39.346486945966296	-101.4760943	286642.362933844713	438318.656991717	3502.85804011424	3342.1843083961424	3272.1843083961424	3272.1843083961424	73.246919623471	73.246919623471
274	165	121634	-190761.1413	906037.3170250766	39.346499549566296	-101.4737655	286843.103505527	438318.545482425	3500.845482425	3340.392530741371	3271.0051904042	3271.0051904042	74.803371686492	74.803371686492
275	165	121635	-190101.1413	906037.3170250766	39.3465									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
357	165	12177	-135981.1413	900637.3170250766	39.34742529807006	-01.2806523	303525.16172671874	4357811.197801502	3360.1648870858004	3322.8850405308984	3186.567251888534	3191.090117826956	3177.778891536441	32.8759226794254
358	165	12178	-135321.1413	900637.3170250766	39.34743559240707	-01.2777196	303726.2154242874	4357807.1538138365	3358.201682519173	3321.721479122118	3186.898933369535	3189.997267972494	3184.422865725628	31.73241712397157
359	165	12179	-134661.1413	900637.3170250766	39.34744577635314	-01.263187	303927.2689269365	4357803.1982119885	3358.185234717877	3319.54321717877	3186.125074749027	3189.40869757472	314.1831432089427	31.13647419831293
360	165	12180	-134001.1413	900637.3170250766	39.3474594640723	-01.2730543	304128.3222419156	4357805.058265775	3351.143361100925	3317.34209961847	3182.8851878459	3185.51037031798229	31.8309171698229	31.82839473333136
361	165	12171	-133341.1413	900637.3170250766	39.3474672402955	-01.2707217	304329.375362384	4357796.022	3347.20521518075	3317.35144071967	3178.49848625079	3181.83369097875	31.6420512724812	31.73021741469232
362	165	12172	-132681.1413	900637.3170250766	39.34747115334035	-01.2683891	304530.42829089967	4357790.978203765	3343.041302	3312.90505002091	3174.09634007811	31.781970276112384	31.8086216013177936	31.708924075075263
363	165	12173	-132021.1413	900637.3170250766	39.347480189219375	-01.2660564	304731.481072627	4357786.96311265	3338.4188362915523	3310.6512084017522	3170.015080539593	31.75078621600977	40.63612780815902	35.572868
364	165	12174	-131361.1413	900637.3170250766	39.34748918	-01.2637238	304823.533725787	4357782.89297848	3328.274985580545	3308.371390880386	3166.296555838623	3172.3738986742	40.7483490987628	35.9960088319665
365	165	12175	-130701.1413	900637.3170250766	39.34749812580227	-01.261381	305133.5896267596	4357780.94879112	3326.964511789817	3306.784186645426	3169.46428626891	3172.8082116568	41.61277170868194	34.1988516
366	165	12176	-130041.1413	900637.3170250766	39.34750702550014	-01.259585	305334.839850025	4357774.807159052	3323.872841742638	3303.728505538213	3159.544204567543	3168.585274423027	41.1443556750474	34.262371131858
367	165	12177	-129381.1413	900637.3170250766	39.34751858215384	-01.2567258	305535.6900613132	4357770.764731653	3327.764444307027	3301.361713169072	3156.5810314291425	3147.780821928811	41.78008713982605	34.128334388060996
368	165	12178	-128721.1413	900637.3170250766	39.347524692738304	-01.2543932	305736.7148240131	4357766.722005914	3326.696615648411	3301.9613461372087	3154.01770979593	3160.928541849216	41.94365151761557	38.032804287487124
369	165	12179	-128061.1413	900637.3170250766	39.3475338426673	-01.2520605	305937.7934239694	4357764.068465824	3325.67078686014	3301.5642156278688	3151.2472933242435	31.58671186374825	40.76571186374825	38.032804287487124
370	165	12180	-127401.1413	900637.3170250766	39.34754171736674	-01.2497279	306138.84483322414	4357768.384431973	3324.642958632732	3304.050671362236	3148.7060936347527	3154.578456	40.76571186374825	38.032804287487124
371	165	12171	-126741.1413	900637.3170250766	39.347550854148125	-01.2473952	306339.96826437306	4357764.598626559	3322.371088181038	3319.54148488038	3148.0593598155588	3151.6189924166342	40.76571186374825	38.032804287487124
372	165	12172	-126081.1413	900637.3170250766	39.34755945045103	-01.2450626	306540.94706361217	4357750.55534387	3318.870290809332	3318.94048984348	3143.717820346902	3148.6134801897264	40.76571186374825	38.032804287487124
373	165	12173	-125421.1413	900637.3170250766	39.347568069795415	-01.2427298	306731.9879841566	4357745.51281795	3315.3793681963	3318.481173898517	3140.735245427167	3145.626271738817	40.76571186374825	38.032804287487124
374	165	12174	-124761.1413	900637.3170250766	39.3475761003546	-01.2403972	306943.048631489	4357742.47222822	3311.879495709827	3313.7825946634125	3137.333842932545	3142.617157262937	40.76571186374825	38.032804287487124
375	165	12175	-124101.1413	900637.3170250766	39.347585105212715	-01.2380646	307144.0991	4357738.3421664	3308.80436468114	3311.8715488239096	3315.244449788181	3138.628707405621	40.76571186374825	38.032804287487124
376	165	12176	-123441.1413	900637.3170250766	39.347593553127	-01.2357319	307345.1438459913	4357734.39169582	3306.34191954714	3318.4132642176514	3312.2251924789857	3136.53646697461	40.76571186374825	38.032804287487124
377	165	12177	-122781.1413	900637.3170250766	39.3476019391394	-01.2333993	307546.1994233993	4357730.351225514	3303.48349448625	3315.672107110933	3312.96035729944	3313.430026833021	40.76571186374825	38.032804287487124
378	165	12178	-122121.1413	900637.3170250766	39.3476102035281	-01.2310666	3077147.245055454	4357726.19050911	3302.5050594532	3312.889626	3312.0408413438518	3310.320961908248	40.76571186374825	38.032804287487124
379	165	12179	-121461.1413	900637.3170250766	39.347618578760046	-01.228734	307916.6207616	4357692.76716372	3301.529492910261	3312.789291921584	3308.3041969327	3310.8829241	40.76571186374825	38.032804287487124
380	165	12180	-120801.1413	900637.3170250766	39.347626950219705	-01.2264013	308149.3841358837	4357718.23098041	3294.272825407713	33167.262914061956	3318.681430803213	3312.403108677327	40.76571186374825	38.032804287487124
381	165	12171	-120141.1413	900637.3170250766	39.34763513004515	-01.2240687	308350.397339323	4357714.19130482	3290.790811346211	3316.417465295118	3316.6261873079525	3312.907545291336	40.76571186374825	38.032804287487124
382	165	12172	-119481.1413	900637.3170250766	39.3476433091196	-01.221736	308551.4466964253	4357710.15108113	3287.308791647013	33161.532409	3313.747260212864	3311.78708129578	40.76571186374825	38.032804287487124
383	165	12173	-118821.1413	900637.3170250766	39.34765144542003	-01.2194033	308752.499	4357706.11251278	3284.982724173434	3316.82827559416	3310.715428769377	3310.566115520044	40.76571186374825	38.032804287487124
384	165	12174	-118161.1413	900637.3170250766	39.34765953416941	-01.2171077	30893.5446617967	4357702.07430979	3283.812614107105	33155.704329352067	3317.6935686365205	3311.3165901564457	40.76571186374825	38.032804287487124
385	165	12175	-117501.1413	900637.3170250766	39.347667878760046	-01.2147878	309154.5892	4357698.034541973	3282.64978291887	33152.75492396921	3314.58033981387	3310.8829241	40.76571186374825	38.032804287487124
386	165	12176	-116841.1413	900637.3170250766	39.34767529191534	-01.2124054	309353.6416219627	4357693.95793925	3281.737477170057	3311.073073305203	3311.355974983015	3310.643170847528	40.76571186374825	38.032804287487124
387	165	12177	-116181.1413	900637.3170250766	39.3476833276507	-01.2100727	309556.6898183003	4357689.95727193	3278.556525366291	33146.85334700087	3308.4187411096786	33101.858511462824	40.76571186374825	38.032804287487124
388	165	12178	-115521.1413	900637.3170250766	39.3476914217994	-01.20774	309757.73279945	4357685.91859903	3278.4219305452936	33095.450704326945	3308.153761185687	3308.153761185687	40.76571186374825	38.032804287487124
389	165	12179	-114861.1413	900637.3170250766	39.34769931	-01.2054074	309958.7856512731	4357681.880836128	3276.77353420848	33140.910519290033	3309.1983364185184	3309.496038798726	40.76571186374825	38.032804287487124
390	165	12180	-114201.1413	900637.3170250766	39.3477017125831754	-01.2030747	310159.833	4357677.842079037	3275.1347678142616	33137.930397697932	3308.6691785258626	3309.215017496719	40.76571186374825	38.032804287487124
391	165	12171	-113541.1413	900637.3170250766	39.3477149000971	-01.200742	310360.8807394087	4357673.805175021	3275.884593565954	33134.56537049168	3308.395115528697	3310.7158294233	40.76571186374825	38.032804287487124
392	165	12172	-112881.1413	900637.3170250766	39.3477229234982	-01.198404	310561.628047616	4357669.76716372	3275.07621353536	33131.0792910261	3308.3041969327	3310.8829241	40.76571186374825	38.032804287487124
393	165	12173	-112221.1413	900637.3170250766	39.34773031336907	-01.1960567	310762.9750843404	4357663.70265778	3274.075569140113	33129.00140394011	3307.768777483956	3308.7587574864785	40.76571186374825	38.032804287487124
394	165	12174	-111561.1413	900637.3170250766	39.34773795243009	-01.1937441	310964.0219786261	4357661.693	3273.180007	33126.021034522685	3307.617403328573	3307.1922107290193	40.76571186374825	38.032804287487124
395	165	12175	-110901.1413	900637.3170250766	39.34774554643298	-01.1914114	311165.0688774057	4357657.656198338	3269.052916758483	33123.001174752638	3307.381350837336	3307.381350837336	40.76571186374825	38.032804287487124
396	165	12176	-110241.1413	900637.3170250766	39.3477530937662	-01.1890787	311366.1511541197	4357653.61922475	3265.6924897116554	33120.063738039613	3306.923882230795	3306.923882230795	40.76571186374825	38.032804287487124
397	165	12177	-109581.1413	900637.3170250766	39.34776059216335	-01.1867461	311567.161519124	4357649.8282635	3262.332086376254	33117.0882848586087	3306.68476105979	3306.68476105979	40.76571186374825	38.032804287487124
398	165	12178	-108921.1413	900637.3170250766	39.3477680590071	-01.1844134	311768.20750968	4357645.54651797	3258.917662539645	33114.13850439437	3305.301761620052	3305.108882392552	40.76571186374825	38.032804287487124
399	165	12179	-108261.1413	900637.3170250766	39.34777624951013	-01.1820774	311969.3476216	4357641.484909	3257.967162539645	33112.04742876161	3305.03298176028	3305.03298176028	40.76571186374825	38.032804287487124
400	165	12180	-107601.1413	900637.3170250766	39.34778428056192	-01.1797148	312170.96426436	4357637.474	3256.8112373967	33110.8513420807	3304.915040945884	3305.247319551135	40.76571186374825	38.032804287487124
401	165	1												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME	UTM-Y	SurfElev.	W.Lt.	BREIEVLogsKrg.ft	BREIEVBothKrg.ft	AttOnhLogs.ft	SurfBoth.ft
483	15	121843	-52821.14133	900637.3170250766	90.34823737	-100.9861393	32886.428173977	43757303.1689909224	317.614826319172	292.0425650186467	2932.9732414667433	2932.9732417325435	49.0693355190338	49.36554786010313
484	16	121844	-5061.14133	900637.3170250766	90.34824095025568	-100.9836266	32957.5056252784	43757299.1453201265	3124.772471958024	2931.135914758024	2932.5847960504176	2932.5847960504176	48.350624105562015	48.551706393485
485	16	121845	-5161.14133	900637.3170250766	90.34824448898091	-100.9836266	32957.5056252784	43757299.1453201265	3124.772471958024	2931.135914758024	2932.5847960504176	2932.5847960504176	48.350624105562015	48.551706393485
486	16	121846	-50941.14133	900637.3170250766	90.34824798257058	-100.9791372	32965.570626287	43757291.17029045	310.888653240024	2979.327803739334	2931.74260474896246	2931.74260474896246	49.892789941209685	47.704793094877
487	16	121847	-50181.14133	900637.3170250766	90.34825143111006	-100.9768045	32966.00141226004	43757287.091710495	310.8798743930624	2978.426691486764	2930.53115455543	2930.53115455543	47.892789941209685	47.4571163682751
488	16	121848	-49521.14133	900637.3170250766	90.348253485458155	-100.9744718	32961.6317766004	43757283.072910374	310.4204371403572	2978.426691486764	2930.53115455543	2930.53115455543	50.13070711692134	50.9645072269486
489	16	121849	-48861.14133	900637.3170250766	90.34825819300038	-100.9721391	330062.6602139969	43757280.954295097	310.278877089351	2978.426691486764	2930.53115455543	2930.53115455543	50.0875459366734	54.77281470917086
490	16	121850	-48021.14133	900637.3170250766	90.34826150635573	-100.9698064	330263.6921	43757275.035874122	312.051763147122	2975.7414119961387	2916.450859913423	2916.450859913423	50.2905028	59.22911778410406
491	16	121851	-47541.14133	900637.3170250766	90.34826474651521	-100.9674373	330464.721265994	43757271.071647807	312.051763147122	2975.7414119961387	2916.450859913423	2916.450859913423	50.2905028	59.22911778410406
492	16	121852	-46891.14133	900637.3170250766	90.3482679786981	-100.9651411	33065.751644595	43757266.95611405	312.739611362054	2973.6749701756186	2908.65623923272	2908.65623923272	50.13070711692134	50.9645072269486
493	16	121853	-46221.14133	900637.3170250766	90.34827171606253	-100.9628084	33086.781235994	43757262.981779119	312.739611362054	2973.6749701756186	2908.65623923272	2908.65623923272	50.13070711692134	50.9645072269486
494	16	121854	-45561.14133	900637.3170250766	90.348273490917838	-100.9604757	331067.016223807	43757258.964136731	312.739611362054	2973.6749701756186	2908.65623923272	2908.65623923272	50.13070711692134	50.9645072269486
495	16	121855	-44901.14133	900637.3170250766	90.348273739723429	-100.958143	331268.8394823176	43757254.66888965	312.739611362054	2973.6749701756186	2908.65623923272	2908.65623923272	50.13070711692134	50.9645072269486
496	16	121856	-44241.14133	900637.3170250766	90.348280440230305	-100.9558103	331469.86991162134	43757250.92345816	311.8477854564987	2970.5090107491146	2902.145984458447	2902.145984458447	50.13070711692134	50.9645072269486
497	16	121857	-43581.14133	900637.3170250766	90.34828343816644	-100.9534776	331670.8970975325	43757246.913272729	311.8477854564987	2970.5090107491146	2902.145984458447	2902.145984458447	50.13070711692134	50.9645072269486
498	16	121858	-42921.14133	900637.3170250766	90.348286391042631	-100.9511449	331871.9265	43757242.89531337	311.8477854564987	2970.5090107491146	2902.145984458447	2902.145984458447	50.13070711692134	50.9645072269486
499	16	121859	-42261.14133	900637.3170250766	90.3482893	-100.9488122	332072.951140553	43757238.879	311.8477854564987	2970.5090107491146	2902.145984458447	2902.145984458447	50.13070711692134	50.9645072269486
500	16	121860	-41601.14133	900637.3170250766	90.34829216161522	-100.9464795	332273.983520558	43757234.662369222	310.84325793101	2967.1081995495315	2904.1065671183474	2904.1065671183474	63.0132414311434	63.7027010243265
501	16	121861	-40941.14133	900637.3170250766	90.348294979311646	-100.9441468	332475.017163801	43757230.464809933	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
502	16	121862	-40281.14133	900637.3170250766	90.34829775194947	-100.9418141	332676.0394365776	43757226.83	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
503	16	121863	-39621.14133	900637.3170250766	90.348303047952599	-100.9394814	332877.067680512	43757222.81410348	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
504	16	121864	-38961.14133	900637.3170250766	90.348303162045347	-100.9371487	332970.0956142224	43757218.78	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
505	16	121865	-38301.14133	900637.3170250766	90.348303265979942	-100.934816	333064.721265994	43757214.782291175	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
506	16	121866	-37641.14133	900637.3170250766	90.348303381857578	-100.9324633	333180.150531208	43757210.76004413	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
507	16	121867	-36981.14133	900637.3170250766	90.34831093923245	-100.9301506	333261.77901951	43757206.752491496	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
508	16	121868	-36321.14133	900637.3170250766	90.3483134150917	-100.9278179	333382.205067925	43757202.7373096	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
509	16	121869	-35661.14133	900637.3170250766	90.34831588972859	-100.9254852	333408.231948322	43757198.7224901	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
510	16	121870	-35001.14133	900637.3170250766	90.348318310862564	-100.9231524	333428.2587312799	43757194.78031907	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
511	16	121871	-34341.14133	900637.3170250766	90.3483206779942	-100.9208619	333448.2857312799	43757190.78031907	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
512	16	121872	-33681.14133	900637.3170250766	90.3483231611021	-100.918478	333468.3118102121	43757186.78031907	310.506222226705	2966.262840659596	2903.46226160033	2903.46226160033	62.6158083063436	62.6158083063436
513	16	121873	-33021.14133	900637.3170250766	90.3483257699301	-100.9161543	333488.33810812654	43757182.65898539	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
514	16	121874	-32361.14133	900637.3170250766	90.348327508909804	-100.9138216	333508.364252005	43757178.61247059	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
515	16	121875	-31701.14133	900637.3170250766	90.34832965766616	-100.9114899	333529.390221828	43757174.63890309	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
516	16	121876	-31041.14133	900637.3170250766	90.34833183756338	-100.9091562	333549.014630355	43757170.62527261	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
517	16	121877	-30381.14133	900637.3170250766	90.348333954330077	-100.9068238	333569.4116948094	43757166.61205829	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
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519	16	121879	-29061.14133	900637.3170250766	90.348337952530077	-100.9021581	333609.492554414	43757158.58630631	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
520	16	121880	-28401.14133	900637.3170250766	90.348339954150426	-100.8998254	333629.5177035913	43757154.57372148	309.5383021420736	2963.561016294455	2859.390512841644	2859.390512841644	63.0132414311434	63.7027010243265
521	16	121881	-27741.14133	900637.3170250766	90.34834187064715	-100.8974927	333649.542700849	43757150.56133103	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
522	16	121882	-27081.14133	900637.3170250766	90.34834374208382	-100.89516	333669.565791918	43757146.551343076	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
523	16	121883	-26421.14133	900637.3170250766	90.348345568460466	-100.8928273	333689.592786715	43757142.53971399	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
524	16	121884	-25761.14133	900637.3170250766	90.34834739777019	-100.8904492	333708.616152229	43757138.52526026	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
525	16	121885	-25101.14133	900637.3170250766	90.348349256973364	-100.8881138	333727.641015325	43757134.51371131	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
526	16	121886	-24441.14133	900637.3170250766	90.34835127773019	-100.885922	333746.6054253949	43757130.50224551	308.898348069674	2942.340848267977	2852.898647	2852.898647	63.0132414311434	63.7027010243265
527	16	121887	-23781.14133	900637.3170250766	90.348353									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElev.Kg.ft	BRWetBothK.ft	SatHtKg.ft	SatHtBoth.ft
59	15	12198	33338.8586730335	900637.3170250766	39.34833406790988	-00.6922147	354185.1445943894	3567398.231265904	2916.7367014821193	2706.5553916740648	2714.8136573487295	2705.35518639045	25.47173452533523	55.1998732301982
60	15	12197	33098.8586730335	900637.3170250766	39.3483197324084	-00.689882	354384.156252389	3567394.236142681	2915.6155192412295	2758.632102772251	2711.92486338955	2705.680626489025	40.76723643	52.92503992748554
61	15	12197	33168.8586730335	900637.3170250766	39.34832984330784	-00.687849	354847.167769456	3567390.241213903	2914.5394627422047	2765.7409182432764	2708.05320530276	2706.632052630276	47.6202028175298	54.088625724268
612	15	12197	33218.8586730335	900637.3170250766	39.3483765036074	-00.6852166	354378.191458326	3567396.261764366	2915.6155192412295	2758.632102772251	2711.92486338955	2705.680626489025	40.76723643	52.92503992748554
613	15	12197	33278.8586730335	900637.3170250766	39.34832542	-00.6828283	354589.190381758	3567382.251937218	2912.29267122835	2753.0254801038304	2703.08515033896	2688.83391277839	49.5403293633555	61.060828599155
614	15	12197	33638.8586730335	900637.3170250766	39.3483214274066	-00.6805512	355190.2014774025	3567385.257592894	2911.1766774012285	2751.1919796142816	2699.65345759084	2686.0289162486115	51.93843303236313	65.1603631235327
615	15	12197	34298.8586730335	900637.3170250766	39.34832083	-00.6782185	355391.2312429943	3567374.343327465	2909.514268023663	2749.3706214378244	2696.0374283174094	2684.7594603213562	53.2331951120414985	64.610268305718
616	15	12197	34958.8586730335	900637.3170250766	39.34831486	-00.6758885	355592.222487311	3567370.269474237	2907.31216388508	2747.5592626684734	2692.3194571531903	2684.7594603213562	53.2331951120414985	64.610268305718
617	15	12197	35618.8586730335	900637.3170250766	39.34831656410585	-00.6735531	355878.2388248715	3567366.275707704	2906.104867466533	2745.7580248347905	2689.420238987454	2684.7594603213562	53.2331951120414985	64.610268305718
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619	15	12197	36938.8586730335	900637.3170250766	39.34831111089064	-00.6688877	356195.258	3567358.27835481	2902.85496964046	2742.1921246131874	2687.7836252324053	2683.371205	54.0481909837908	58.8202003405725
620	15	12198	37598.8586730335	900637.3170250766	39.34830556440706	-00.666555	356396.2651712278	3567354.29562701	2901.9540514834584	2740.432966923164	2686.866278904347	2682.6671779502451	53.666674796767	57.26915474207909
621	15	12198	38258.8586730335	900637.3170250766	39.34830596693081	-00.6642223	356597.27526373	3567350.62507106	2900.55313404596	2738.690628795227	2685.419096533527	2681.4267123565073	57.26915474207909	57.26915474207909
622	15	12198	38918.8586730335	900637.3170250766	39.348303326095	-00.6618896	356798.2852176742	3567346.30977429	2902.1522146294087	2736.968348167684	2683.6573460119242	2677.138932875818	53.6110021447341	60.2544543508954
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624	15	12198	40238.8586730335	900637.3170250766	39.3482978204139	-00.6572242	357200.307464415	3567338.34756159	2901.70258675073	2733.63429044462	2679.70282000362	2679.69547233284	53.6110021447341	60.2544543508954
625	15	12198	40898.8586730335	900637.3170250766	39.3482951829169	-00.6548515	357401.3143307069	3567334.33237748	2901.3680860660638	2731.972041894467	2677.84815366518	2679.763292	53.6110021447341	60.2544543508954
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627	15	12198	42218.8586730335	900637.3170250766	39.3482894381246	-00.6502261	357803.3330502854	3567326.348680616	2901.33305043931	2728.837577909429	2674.403398045145	2680.55220795245	54.43418283	48.2853704141831
628	15	12198	42878.8586730335	900637.3170250766	39.3482875862966	-00.6478934	358004.3242034937	3567322.307202875	2901.659231471217	2727.3437343702875	2672.631700646735	2680.46933233591	54.43418283	48.2853704141831
629	15	12198	43538.8586730335	900637.3170250766	39.3482862869354	-00.6455627	358205.35121976736	3567318.365974329	2902.18486923552	2725.93382529176	2670.849652499404	2679.645028	55.0564627923726	46.2583547208874
630	15	12199	44198.8586730335	900637.3170250766	39.34828063	-00.643228	358406.300198502	3567314.73444064	2902.71069733582	2724.518362495634	2669.12048792025	2676.1534422411223	55.0564627923726	46.2583547208874
631	15	12199	44858.8586730335	900637.3170250766	39.3482783633425	-00.6409783	358607.318349518	3567310.423636398	2903.7580248347905	2723.61429438784	2668.15429185939	2675.74549238984	55.0564627923726	46.2583547208874
632	15	12199	45518.8586730335	900637.3170250766	39.3482750354234	-00.6385626	358808.377542558	3567306.39241658	2904.10177893245	2721.905394333225	2665.801713353737	2675.40281069684	56.0920810974573	47.87181373548504
633	15	12199	46178.8586730335	900637.3170250766	39.3482731375166	-00.6362299	359009.3801699116	3567302.40716201	2908.342807559264	2720.672619783146	2664.397563576058	2675.7658718413783	56.0920810974573	47.87181373548504
634	15	12199	46838.8586730335	900637.3170250766	39.348268204619	-00.6338972	359210.39453007	3566984.41272031	2906.49052106573	2719.48274995184	2663.159944258845	2673.40020681643	56.3220590302975	44.627742909
635	15	12199	47498.8586730335	900637.3170250766	39.3482648927334	-00.6315465	359411.4052478312	3566948.42088842	2908.0889021795363	2718.329665305486	2661.999062315686	2671.968478997907	56.3220590302975	44.627742909
636	15	12199	48158.8586730335	900637.3170250766	39.3482617	-00.6292318	359612.4100951515	3566904.03980979	2908.137962035667	2717.21026394334	2660.85977756717	2669.404505000974	56.3220590302975	44.627742909
637	15	12199	48858.8586730335	900637.3170250766	39.3482592486043	-00.6269455	359813.418359017	3566864.110071918	2908.1879168117706	2716.1284595133254	2659.65129276581	2669.346217659812	56.3220590302975	44.627742909
638	15	12199	49498.8586730335	900637.3170250766	39.348255109195	-00.6245564	360014.423636398	3566824.51296755	2908.2514297755	2715.02720730045	2658.693789180515	2673.61540454015	56.3220590302975	44.627742909
639	15	12199	50138.8586730335	900637.3170250766	39.3482516503311	-00.6222337	360215.4339820874	356684.461786184	2908.2514297755	2713.997454285075	2658.373883104375	2678.98637691679	56.3220590302975	44.627742909
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641	15	12200	51458.8586730335	900637.3170250766	39.34824471414685	-00.6175683	360617.448888784	356674.483345171	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
642	15	12200	52118.8586730335	900637.3170250766	39.34824117837935	-00.6152356	360818.458140273	3566694.94	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
643	15	12200	52778.8586730335	900637.3170250766	39.3482376	-00.6129029	361019.465257388	3566662.508778504	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
644	15	12200	53438.8586730335	900637.3170250766	39.348235766303	-00.6105702	361220.402404114	3566628.15133841	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
645	15	12200	54098.8586730335	900637.3170250766	39.34823390716246	-00.6082375	361421.47089526	3566582.783415	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
646	15	12200	54758.8586730335	900637.3170250766	39.348226564709046	-00.6059048	361622.4839043936	3566550.54062316	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
647	15	12200	55418.8586730335	900637.3170250766	39.348222364202	-00.6035721	361823.4908384316	3566522.5652632	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
648	15	12200	56078.8586730335	900637.3170250766	39.34821902	-00.6012394	362024.49683545774	356642.564928058	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
649	15	12200	56738.8586730335	900637.3170250766	39.3482151632859	-00.5998907	362225.503	356638.737314884	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
650	15	12200	57398.8586730335	900637.3170250766	39.3482117002224	-00.596574	362426.5083363179	356634.58931006	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
651	15	12201	58038.8586730335	900637.3170250766	39.34820972468043	-00.5942855	362627.5083363179	356630.43961006	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
652	15	12201	58718.8586730335	900637.3170250766	39.34820342410095	-00.5919077	362828.5083363179	356626.51574037	2907.152762927161	2711.892021	2657.1269719736715	2677.318803732542	56.3220590302975	44.627742909
653	15	12201	59378.8586730335	900637.3170250766	39.3481993084356	-00.589576	363029.5271	356622.62839						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	WLL	BRElevKgs.fg	BRElevBoth.fg	SatHtKgs.fg	SatHtBoth.fg
735	165	122095	113498.65867307335	900637.3170250766	39.3447715396587084	-100.3982962	37951.15710882704	43625696.367828682	2674.371450897489	258.211418255435	2482.1130169132643	2482.6840905922253	105.0984013412708	105.60643676230987
736	165	122096	114158.85867307335	900637.3170250766	39.344770762523634	-100.3959638	37972.56605955667	43625692.397034035	2667.543907	2587.032274713426	2483.49410421322606	2483.5171500328264	104.3512326116533	104.395159710146257
737	165	122097	114816.85867307335	900637.3170250766	39.34476986982573	-100.3936309	379813.5621579096	43625696.368423431	2660.716363	2585.8063390900476	2483.690336643736	2482.10112927588	102.8884056245688	103.7488666345688
738	165	122098	115478.85867307335	900637.3170250766	39.34476914735684	-100.3912982	37984.65913771735	43625696.365020358	2653.888819455311	2585.02244712807	2480.25343900558	2479.678253905254	104.417893437826	104.9023730193637
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1	166	122101	-370941.1431	901297.3170250766	39.343707826965335	-102.110447	321940.37356352038	4398464.761422395	3983.2795952473567	3772.1946315280734	3710.342024377023	3710.342024377023	61.852906711050506	61.26276208
2	166	122102	-370281.1431	901297.3170250766	39.343103107772742	-102.1081147	322141.5086589862	4398464.761539758	3981.574266963737	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
3	166	122103	-369621.1431	901297.3170250766	39.34312638	-102.1057824	322342.63448878112	4398464.761335789	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
4	166	122104	-368961.1431	901297.3170250766	39.3431539244321	-102.1034501	322543.7780370749	4398464.761335789	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
5	166	122105	-368301.1431	901297.3170250766	39.34317859590686	-102.1011177	322744.81235025807	4398464.761335789	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
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8	166	122108	-366321.1431	901297.3170250766	39.343253896610186	-102.0941208	323348.3136594717	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
9	166	122109	-365661.1431	901297.3170250766	39.34327891261954	-102.0917885	323549.4680940393	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
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17	166	122117	-360381.1431	901297.3170250766	39.343477324120565	-102.0731294	325158.6305233702	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
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21	166	122121	-357741.1431	901297.3170250766	39.3435752839785	-102.0638005	325963.022540783	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
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24	166	122124	-355761.1431	901297.3170250766	39.34364834839045	-102.0568023	326569.413902873	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
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37	166	122137	-347181.1431	901297.3170250766	39.34395958430763	-102.0264857	329180.6305233702	4398464.761114923	3981.5742611726885	3770.796248912545	3711.0956538170693	3711.050526484286	69.6890674418154	59.2933630498837
38	166	122138	-346521.1431	901297.3170250766	39.34398356143674	-102.0								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	1stSurfElev	1stSurfBoth
121	166	12221	-291741.1413	101.2927	31.70250766	39.34579227004972	-01.8305592	256074.745995929	4358972.399339652	3757.2528489789143	3466.3937003111637	3387.1088242227574	101.5878386788718	190.2436599562934
122	166	12222	-291081.1413	101.2927	31.70250766	39.34581216480656	-01.8282627	256275.85067581153	4358968.309	3752.9999613398304	3575.27129768203	3464.7305702194743	101.5878160771047	190.2436599562934
123	166	12223	-289421.1413	101.2927	31.70250766	39.34582619789106	-01.8258492	256476.8511499686	4358964.272818914	3752.9495743789013	3463.306439221153	3418.11135755183	101.5878252323852	190.2436599562934
124	166	12224	-289761.1413	101.2927	31.70250766	39.34585181916147	-01.823617	256678.0592126936	4358960.12745111	3752.0763732107	3462.55861834677	3405.66625127371	101.58786004589828	137.7426151799441
125	166	12225	-289101.1413	101.2927	31.70250766	39.34587157875984	-01.8212292	256879.1637210482	4358956.037208961	3751.655889	3569.49904084444	3461.948762761113	101.5878265117233	101.5878265117233
126	166	12226	-288441.1413	101.2927	31.70250766	39.34589120334045	-01.8188967	257080.266807103	4358951.947170455	3751.24104484377	3566.959831170787	3461.988293262184	101.5878339660466	111.41713996509178
127	166	12227	-287781.1413	101.2927	31.70250766	39.34591096279631	-01.8165642	257281.3704639474	4358947.852329645	3750.7694038577206	3564.81809059374	3462.3217047036837	101.58782504222538	100.429923785829
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129	166	12229	-286461.1413	101.2927	31.70250766	39.34595016662078	-01.8118893	257683.5766978176	4358939.878	3750.178527819013	3560.386117391523	3458.042921	101.587821122395	100.429923785829
130	166	12230	-285801.1413	101.2927	31.70250766	39.3459700593255	-01.809568	257884.574530831	4358935.589	3750.13089039232	3558.1817991354087	3457.232621358162	101.587821122395	100.429923785829
131	166	12231	-285141.1413	101.2927	31.70250766	39.34598910232515	-01.8072343	258085.7819310062	4358931.49942845	3750.2277018832163	3555.8523666832843	3457.31839183767	101.587821122395	100.429923785829
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136	166	12236	-281841.1413	101.2927	31.70250766	39.346085908202384	-01.7957518	259091.2900796042	4358911.05758368	3751.684145854543	3543.303280917416	3453.5889420540582	101.587821122395	100.429923785829
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152	166	12252	-271281.1413	101.2927	31.70250766	39.34639807733996	-01.7585216	262308.7891738593	4358845.67526343	3756.09567849576	3507.9538900251023	3394.6162637529374	101.587821122395	100.429923785829
153	166	12253	-270621.1413	101.2927	31.70250766	39.34640555839316	-01.7559191	262509.9772209103	4358841.590822424	3756.368468804	3505.886454	3394.599295103502	101.587821122395	100.429923785829
154	166	12254	-269961.1413	101.2927	31.70250766	39.34642508848594	-01.7535866	262711.074297775	4358837.506317571	3756.7080302741424	3503.845008054828	3397.1215923747694	101.587821122395	100.429923785829
155	166	12255	-269301.1413	101.2927	31.70250766	39.3464431687581	-01.751254	262912.7117241912	4358833.422008384	3756.9776504430284	3502.816274027744	3400.15588701535164	101.587821122395	100.429923785829
156	166	12256	-268641.1413	101.2927	31.70250766	39.34646173981182	-01.7489218	263123.267435533	4358829.33796647	3757.2494917120833	3502.945810716139	3401.945810716139	101.587821122395	100.429923785829
157	166	12257	-267981.1413	101.2927	31.70250766	39.3464807695686	-01.746589	263314.36409047584	4358825.2538834	3757.52493303238	3497.839734255832	3400.9602901179816	101.587821122395	100.429923785829
158	166	12258	-267321.1413	101.2927	31.70250766	39.34649837052466	-01.7442565	263515.406	4358821.170265513	3757.805377795164	3505.99534219328	3409.272648105604	101.587821122395	100.429923785829
159	166	12259	-266661.1413	101.2927	31.70250766	39.3465165892921	-01.7419239	263716.556124115	4358817.42956147	3758.06132724779	3494.09235383644	3408.82878970876	101.587821122395	100.429923785829
160	166	12260	-266001.1413	101.2927	31.70250766	39.346534781028524	-01.7395914	263917.6518865974	4358813.00342707	3758.3684877277016	3502.212953486516	3401.5265403836305	101.587821122395	100.429923785829
161	166	12261	-265341.1413	101.2927	31.70250766	39.34655291869451	-01.7372589	264118.7137818581	4358809.02907508	3758.673252972602	3490.39140489231	3411.3296430809594	101.587821122395	100.429923785829
162	166	12262	-264681.1413	101.2927	31.70250766	39.3465710133617	-01.7349264	264319.8425175847	4358804.83770345	3758.98016725448	3488.051203410934	3401.945810716139	101.587821122395	100.429923785829
163	166	12263	-264021.1413	101.2927	31.70250766	39.3465893196356	-01.732613	264522.0422173304	4358802.67120826	3759.26177120987	3485.153895107594	3404.598009311512	101.587821122395	100.429923785829
164	166	12264	-263361.1413	101.2927	31.70250766	39.34660706136657	-01.7303214	264726.8221373304	4358796.876120826	3759.544171963035	3483.405886918363	3408.916003740967	101.587821122395	100.429923785829
165	166	12265	-262701.1413	101.2927	31.70250766	39.34662501881486	-01.7279288	264923.12671850156	4358792.58973259	3759.844171963035	3481.5526275347975	3407.519205849832	101.587821122395	100.429923785829
166	166	12266	-262041.1413	101.2927	31.70250766	39.34664239120888	-01.7255962	265124.2208674772	4358788.50365671	3760.041188481562	3480.051711629317	3408.049247008515	101.587821122395	100.429923785829
167	166	12267	-261381.1413	101.2927	31.70250766	39.34666079854806	-01.7232637	265325.3102456455	4358784.42956147	3760.318026579864	3478.			

Lat	Lon	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.	W.Lt	BREIWaveKtgr	BREIWaveBtgr	SatWLogTs	SatHtBtgr		
247	16	12347	-205881.143	29.1297	317.02507676	39.37942040301484	01.536673	281412.104730874	352458.509	3549.192765095334	397.91867416092	32.041159649482	39.02.1850027681185	85.717072151023	85.73096465
248	16	12348	-207921.143	29.1297	317.02507676	39.3795824121517	01.534326	281613.18065918723	335954.443345193	3546.10546092832	338.69180934405	330.18471650326996	33.0171153039679	84.85101497074083	84.8472954736132
249	16	12349	-207261.143	29.1297	317.02507676	39.37972596868474	01.531592	281814.2653718121	3358.4546005352607	3543.138048796711	338.670308612326	330.6071711240957	34.7869991996462	84.789294947421	84.789294947421
250	16	12350	-206601.143	29.1297	317.02507676	39.3798672459076	01.529694	282015.331869791	3346.811981144	3540.1109606663904	334.196965246827	329.01623553387	329.01623553387	85.1842013947352	85.1845164803943
251	16	12351	-205841.143	29.1297	317.02507676	39.3800800273979	01.527328	282216.4701529678	3348.2426606696813	3537.385148909578	332.9009660696813	327.911996041912	327.911996041912	85.89306501284202	85.89306501284202
252	16	12352	-205081.143	29.1297	317.02507676	39.38028133537658	01.525215	282417.34581167575	3341.4245444444444	3534.7444444444444	332.4539322222222	327.7444444444444	327.7444444444444	85.7444444444444	85.7444444444444
253	16	12353	-204621.143	29.1297	317.02507676	39.3804028766569	01.522615	282618.5570766148	3338.6141641071	3532.168170810345	330.261754918616	329.026451092333	329.026451092333	85.720048179384	85.0289616594436
254	16	12354	-203961.143	29.1297	317.02507676	39.38062748484274	01.520329	282819.5317162813	3334.930516161407	3530.963972705623	328.836313650353	329.12997491874	329.12997491874	85.7430034	85.571703568782
255	16	12355	-203301.143	29.1297	317.02507676	39.38085668726483	01.517963	283020.7614241064	3332.842598141076	3528.3617405184114	337.57112021339	328.960267647648	328.961246062153	84.49050225	85.05987415108284
256	16	12356	-202641.143	29.1297	317.02507676	39.3807054268214	01.515963	283221.7803522818	3330.346001612501	3526.07384058959	337.07820480599	328.27612608816	328.27612608816	85.05987415108284	85.05987415108284
257	16	12357	-201981.143	29.1297	317.02507676	39.38084369934893	01.513331	283422.854354431	3331.8854043687	3526.3726288317	337.674021331691	327.870169130103	327.8701279851365	85.68726591308778	85.720883530471
258	16	12358	-201321.143	29.1297	317.02507676	39.3809812418329	01.510984	283622.9458140111	3334.9743945555	3526.40532753873	337.07733429409	327.9362804214503	327.9346001	85.9172345957121	85.9172345957121
259	16	12359	-200661.143	29.1297	317.02507676	39.38112453537658	01.508522	283823.44581167575	3337.4444444444444	3524.7444444444444	332.4539322222222	327.7444444444444	327.7444444444444	85.7444444444444	85.7444444444444
260	16	12360	-200001.143	29.1297	317.02507676	39.3812552035011	01.506333	284026.707707119	3340.656695090	3520.81537114906	339.6584618158543	327.538311289693	326.96098639273	102.1296132070119	102.8747131545701
261	16	12361	-199341.143	29.1297	317.02507676	39.38139135559636	01.504005	284272.148217913	3340.656695090	3520.81537114906	339.6584618158543	327.538311289693	326.96098639273	102.1296132070119	102.8747131545701
262	16	12362	-198681.143	29.1297	317.02507676	39.3815247260906	01.501679	284428.2215454695	3340.656695090	3520.81537114906	339.6584618158543	327.538311289693	326.96098639273	102.1296132070119	102.8747131545701
263	16	12363	-198021.143	29.1297	317.02507676	39.3816268	01.499352	284629.2398769497	3339.8347502218	3518.1932023662073	336.342716891734	326.9822941214047	326.9822941214047	85.7430034	85.571703568782
264	16	12364	-197361.143	29.1297	317.02507676	39.3817871747333	01.497026	284830.368372865	3338.6141641071	3515.07536246975	336.12930004400125	326.9822941214047	326.9822941214047	85.7430034	85.571703568782
265	16	12365	-196701.143	29.1297	317.02507676	39.3819486976206	01.494752	285038.45988976206	3337.4444444444444	3514.05898976206	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
266	16	12366	-196041.143	29.1297	317.02507676	39.38212453537658	01.492373	285232.45444444444	3336.261754918616	3512.9822941214047	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
267	16	12367	-195381.143	29.1297	317.02507676	39.38223001813565	01.490047	285433.552647949	3335.0727156613	3511.05898976206	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
268	16	12368	-194721.143	29.1297	317.02507676	39.3823331851869	01.487671	285634.6543120747	3333.8737511541	3509.25357308736	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
269	16	12369	-194061.143	29.1297	317.02507676	39.3824569013627	01.485394	285835.7265107514	3332.6810326828	3507.94447199825	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
270	16	12370	-193401.143	29.1297	317.02507676	39.382598169633	01.483038	286036.720706548	3331.4836510161687	3506.05070402644	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
271	16	12371	-192741.143	29.1297	317.02507676	39.382729981981	01.480674	286237.8880390216	3330.289816843895	3504.92849961457	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
272	16	12372	-192081.143	29.1297	317.02507676	39.382861733537658	01.478411	286439.0000000000	3329.0969696969697	3503.7969696969697	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
273	16	12373	-191421.143	29.1297	317.02507676	39.38299292609046	01.476089	286640.0000000000	3327.9046969696969	3502.6046969696969	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
274	16	12374	-190761.143	29.1297	317.02507676	39.3831227736055	01.473762	286846.079871263	3326.7184696969697	3501.4169696969697	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
275	16	12375	-190101.143	29.1297	317.02507676	39.3832573263249	01.471346	287042.150	3325.5346969696969	3500.2246969696969	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
276	16	12376	-189441.143	29.1297	317.02507676	39.383382294673	01.469109	287243.220044818	3324.3486969696969	3499.0346969696969	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
277	16	12377	-188781.143	29.1297	317.02507676	39.3835114100325	01.466783	287444.2988107275	3323.1586969696969	3497.8469696969697	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
278	16	12378	-188121.143	29.1297	317.02507676	39.383640710203	01.464348	287645.35849594196	3322.0000000000000	3496.65027149677	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
279	16	12379	-187461.143	29.1297	317.02507676	39.3837699014762	01.462003	287846.4587991643	3320.8469696969697	3495.4620000000000	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
280	16	12380	-186801.143	29.1297	317.02507676	39.3838900142106	01.459683	288047.5978791643	3319.69345392919	3494.269012833297	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
281	16	12381	-186141.143	29.1297	317.02507676	39.3840233505166	01.457347	288248.5685175389	3318.54032974613	3493.06447443215	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
282	16	12382	-185481.143	29.1297	317.02507676	39.3841502	01.455015	288449.6355400249	3317.386131	3491.70136031937	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
283	16	12383	-184821.143	29.1297	317.02507676	39.3842476617288	01.452684	288650.704	3316.2285544	3489.451971060901	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
284	16	12384	-184161.143	29.1297	317.02507676	39.384402547808	01.450349	288861.7732763907	3315.080819517236	3487.778801550514	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
285	16	12385	-183501.143	29.1297	317.02507676	39.384553181051	01.448084	289073.930774267	3313.9345393333333	3486.0969696969697	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
286	16	12386	-182841.143	29.1297	317.02507676	39.3847033781051	01.445818	289283.903774267	3312.78808190373	3484.3696969696969	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
287	16	12387	-182181.143	29.1297	317.02507676	39.38485774743884	01.443518	289494.5706690193	3311.639261364576	3482.6416166442	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
288	16	12388	-181521.143	29.1297	317.02507676	39.3849518991463	01.441019	289695.64349184	3310.4981366	3480.92710289174	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
289	16	12389	-180861.143	29.1297	317.02507676	39.38508450037658	01.438685	289897.1109245224	3309.36029701585	3479.61060405935	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
290	16	12390	-180201.143	29.1297	317.02507676	39.3851498	01.436338	289901.779932638	3308.22838499217	3478.39625846969	335.984488100158	327.1874524072927	326.9822941214047	85.7430034	85.571703568782
291	16	12391	-179541.143	29.1297	317.02507676	39.385276812638	01.434012	290092.6211556	3307.0969696969697	3477.1846969696969	335.984488100158	327.1874524072927	326.		

ix	iy	X	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg	BREIEvLogKrg	SurfThLogKrg	SurfThBoth		
374	166	122473	-125421.1413	01.29217	31.70250766	39.34938081986222	-01.2427409	0076.4644148127	43759747.732802515	318.1733204727825	313.733369135177	319.325439556214	314.8696863652347	40.76792959730371	42.26301517528292
374	166	122474	-124761.1413	01.29217	31.70250766	39.3493893602027	-01.2404082	006947.0494951108	4357943.702033435	314.5349881001443	314.58217333566	314.9536834374414	48.554277698224656	43.264773986224656	
375	166	122475	-124101.1413	01.29217	31.70250766	39.34938786571434	-01.2380175	007485.1451981864	4375978.8188048298	329.42397258133806	318.1814438260777	313.8837196605458	47.9883786605458	42.942777665719825	42.942777665719825
376	166	122476	-123441.1413	01.29217	31.70250766	39.349403604664	-01.2357428	007305.249515261867	4357935.6210213432	330.8725336124076	317.91938517544645	311.009616	313.95223290246675	42.094003592004675	43.27617072326246
377	166	122477	-122781.1413	01.29217	31.70250766	39.349414711323206	-01.2334101	007505.245125316343	4357931.57	330.6353414115672	317.6498947619195	312.81346108793787	313.82897227642828	43.3536888216243	43.572725211924252
378	166	122478	-122121.1413	01.29217	31.70250766	39.34942307153801	-01.2310774	007751.29480578157	4357927.539014143	330.2383149216172	317.71258349427324	312.5171337272308	312.92872471426294	48.45314667192673	43.8478904140528
379	166	122479	-121461.1413	01.29217	31.70250766	39.3494313869033	-01.2287446	007952.34492778865	4357923.4848748851	329.217512286615	317.8020351	312.2240397534558	312.67444104783103	48.7187639604141	44.179056715956904
380	166	122480	-120801.1413	01.29217	31.70250766	39.349439656788256	-01.2264119	008113.3936015377	4357919.458687917	328.938430642555	316.8105293712806	311.87637325477	312.754734943462	48.9328450954307	44.349473147211881
381	166	122481	-120141.1413	01.29217	31.70250766	39.34944768182364	-01.2240763	008354.427172404	4357918.881182324	328.94384899743806	316.8105293712806	311.87637325477	312.754734943462	48.9328450954307	44.349473147211881
382	166	122482	-119481.1413	01.29217	31.70250766	39.34945601799195	-01.2217465	008555.4916409634	4357911.37126683	328.90052752342	316.2339031977654	311.2230181523696	311.87637325477	48.9328450954307	44.349473147211881
383	166	122483	-118821.1413	01.29217	31.70250766	39.34946419671482	-01.2194138	008756.5403853168	4357907.3366417	327.0708571878356	315.95001523855315	311.02333338555315	311.424477818393	48.7621893377633	45.0576754
384	166	122484	-118161.1413	01.29217	31.70250766	39.34947226570766	-01.2170811	008957.588893102	4357903.30537395	326.8413118502795	315.5628005626291	310.7283811252605	310.7212302007325	49.29819437368574	45.3697032625632
385	166	122485	-117501.1413	01.29217	31.70250766	39.349480331366735	-01.2147483	009158.6373036615	4357899.261266315	326.85791378817773	315.5634853072407	310.4325840034476	310.38626431087948	49.29819437368574	45.3697032625632
386	166	122486	-116841.1413	01.29217	31.70250766	39.34948831102826	-01.2124156	009359.684821937	4357895.122370957	326.85791378817773	315.5634853072407	310.4325840034476	310.38626431087948	49.29819437368574	45.3697032625632
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413	166	122513	-99021.1413	01.29217	31.70250766	39.3496879128318	-01.149432	014786.971879164	4357786.26145145	326.85791378817773	315.5634853072407	310.4325840034476	310.38626431087948	49.29819437368574	45.3697032625632
414	166	122514	-98361.1413	01.29217	31.70250766	39.3496942933634	-01.1470939	014988.959829299	4357782.317226395	326.85791378817773	315.5634853072407	310.4325840034476	310.38626431087948	49.29819437368574	45.3697032625632
415	166	122515	-97701.1413	01.29217	31.70250766	39.34970162155295	-01.144741	015189.5429165219	4357778.36269141	326.85791378817773	315.5634853072407				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgrg.ft	SatfThKgrg.ft	SatfBothKgrg.ft
499	16	122599	-42261.14133	901297.3170250766	-39.35010206733492	-100.9488199	332706.9795093594	4357440.08572281	3105.6602438324494	2967.4785397244136	2895.9027950431846	2895.9468081857665	71.5315693364709	71.5315693364709
500	16	12600	-41601.14133	901297.3170250766	-39.35014053016434	-100.9486431	332728.0041066744	4357436.691214663	3104.5654770203713	2966.5985674004084	2895.9656769314415	2895.9267440537445	70.6718217801978	70.6718217801978
501	16	12601	-40941.14133	901297.3170250766	-39.3501073092686	-100.9481504	332749.03514981654	4357432.953881813	3103.4071071024263	2965.7894548429877	2894.9945454261934	2894.9945454261934	70.6718217801978	70.6718217801978
502	16	12602	-40261.14133	901297.3170250766	-39.3501052064127	-100.9481672	332751.050264127	4357428.036431732	3102.3759432421876	2964.829794048048	2892.9136969211565	2892.830714483734082	71.9160970384525	71.9160970384525
503	16	12603	-39621.14133	901297.3170250766	-39.35011324828739	-100.9394468	332881.0878332278	4357424.020378399	3101.5653410121804	2963.9315954516765	2890.019047419253	2889.843021006296	73.3525480324227	73.3525480324227
504	16	12604	-38961.14133	901297.3170250766	-39.3501159087423	-100.9371521	333082.1154	4357420.045019811	3100.92903929319	2963.0156984008145	2886.655024787495	2886.402576890139	76.6131215106768	76.6131215106768
505	16	12605	-38301.14133	901297.3170250766	-39.350118568396354	-100.9348193	333283.14273344104	4357415.898	3100.512469742105	2962.074737598715	2883.2440618	2882.3893918113235	78.438066143	78.438066143
506	16	12606	-37641.14133	901297.3170250766	-39.3501211605915	-100.9324666	333484.16999881854	4357411.97338633	3099.3860269552123	2961.0994944071924	2879.6514232066446	2879.345201034674	81.458206074601	81.458206074601
507	16	12607	-36981.14133	901297.3170250766	-39.3501237695986	-100.9301538	333685.197061961	4357407.358112431	3098.389836405416	2960.269389506876	2878.035335191117	2878.035335191117	84.3603637471467	84.3603637471467
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509	16	12609	-35661.14133	901297.3170250766	-39.3501286768089	-100.9254883	334067.250702578	4357399.928147748	3098.0491874196397	2957.897436	2868.4085545426232	2868.201569682113	89.476704376369	89.476704376369
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511	16	12611	-34341.14133	901297.3170250766	-39.350133447256425	-100.9208228	334489.30369682855	4357393.98861843	3096.98556195768	2956.0533955400572	2861.3508439505072	2861.059892577457	94.148311703212	94.148311703212
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521	16	12621	-27741.14133	901297.3170250766	-39.3501547392684	-100.8975165	336499.5627736861	4357351.74111627	3089.466307736861	2942.566307736861	2848.963787628428	2848.963787628428	92.07183490436	92.07183490436
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524	16	12624	-25761.14133	901297.3170250766	-39.35016011973487	-100.8904969	337102.6325184159	4357339.728	3083.04719895934	2937.76863857314	2850.52682610332	2850.6244282597414	87.2418102469819	87.2418102469819
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535	16	12635	-18501.14133	901297.3170250766	-39.3501769467865	-100.8643635	339313.8898111456	4357293.69081133	3072.514696910233	2921.927426349663	2850.6483217177895	2850.785142810684	57.24507462917654	57.24507462917654
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537	16	12637	-17181.14133	901297.3170250766	-39.35017917687267	-100.860171	339715.93455238524	4357289.938320265	3069.8814905575794	2918.849915575794	2836.405428015916	2836.5616967015916	52.399277740247	52.399277740247
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539	16	12639	-15861.14133	901297.3170250766	-39.35018143282178	-100.8555054	340117.9786702656	4357279.572	3068.38187440813	2915.67326232827	2828.903523696023	2828.903523696023	46.7939377	46.7939377
540	16	12640	-15201.14133	901297.3170250766	-39.35018249	-100.8531727	340319.040949529	4357275.56323798	3068.3671319106013	2914.041682	2825.5803413907357	2825.995497897951	48.0413403472944	48.0413403472944
541	16	12641	-14541.14133	901297.3170250766	-39.35018395192654	-100.8508433	340520.641984123	4357271.4738617248	3067.4274738617521	2912.4778726817248	2824.9870384971248	2824.9870384971248	45.892369592441	45.892369592441
542	16	12642	-13881.14133	901297.3170250766	-39.350184478786254	-100.8485072	340721.0438186486	4357265.56116254	3071.37164822241	2910.673436819	2815.705070476074	2815.705070476074	43.7105387	43.7105387
543	16	12643	-13221.14133	901297.3170250766	-39.35018504386527	-100.8461744	340922.6602404945	4357263.537846146	3070.940772	2908.89210358639	2816.559513098433			

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVLogskrg.f	BREIEVBothrg.f	SatHtLogsk.f	SatHtBoth.f
625	162726	44198.8586730335	0.012927	31.702502766	-39.350107309912728	-0.05486879	455705.3099174064	4356935.520427272	480282922	27.131.250293273856	2677.338554489116	2679.59676348582304	31.4344864826942	51.65625945825155
626	162726	41558.8586730335	0.012927	31.702502766	-39.350105112035784	-0.0625551	37606.3187432105	4356931.52830678	2904.788215324769	2729.628203675697	2675.710728949867	2679.840197	31.43447417719714	49.78801132330955
627	162726	41558.8586730335	0.012927	31.702502766	-39.35010252893821	-0.0625224	37607.327814214	4356927.53638728	2904.842061802338	2729.654892053414	2674.047267773483	2679.829231518534	48.12663458949336	48.12663458949336
628	162726	42788.8586730335	0.012927	31.702502766	-39.35009934708956	-0.0478896	358008.336722449	4356903.545625646	2905.343820026145	2726.52322359377	2672.08230261446	2674.086838688712	34.15353041323243	47.07313030505674
629	162726	43538.8586730335	0.012927	31.702502766	-39.35009630702485	-0.04655569	358209.3455698906	4356919.552979992	2905.745586662046	2725.0830422601753	2670.684148800714	2678.2638671791646	34.98889460103064	46.84434745406069
630	162726	44198.8586730335	0.012927	31.702502766	-39.35003401897546	-0.0432241	358410.3543724783	4356915.56189116	2906.147376729593	2723.690821138665	2669.004707449036	2675.319417713675	48.2944040909368	48.2944040909368
631	162726	44588.8586730335	0.012927	31.702502766	-39.35009036171065	-0.0408913	358611.3629123744	4356917.57932826	2905.334381875767	2722.59752760504	2667.378448632778	2675.13724369305	54.98130412527788	47.2225283908732
632	162726	45158.8586730335	0.012927	31.702502766	-39.35008727646272	-0.0385858	358812.3171537035	4356907.57039923	2906.283139390352	2721.085800604097	2665.788045846613	2675.602523110464	55.743737948365	45.84327373500526
633	162726	45158.8586730335	0.012927	31.702502766	-39.350084146153755	-0.0385858	358812.3171537035	4356907.57039923	2906.283139390352	2721.085800604097	2665.788045846613	2675.602523110464	55.743737948365	45.84327373500526
634	162726	46938.8586730335	0.012927	31.702502766	-39.35008097078372	-0.0363851	359214.3877134845	4356909.577070005	2908.3158190115304	2718.9548921714	2663.033662478905	2672.890633524803	55.6587974	45.801823999122
635	162726	47498.8586730335	0.012927	31.702502766	-39.350077770532646	-0.0351603	359453.3957086244	4356905.60754208	2909.83130283133	2717.56013282313	2661.8263340345984	2662.29334231049	48.26679737174858	48.26679737174858
636	162726	48158.8586730335	0.012927	31.702502766	-39.35007448486056	-0.0292276	359616.4035674588	4356891.617322191	2906.455812188541	2716.4658301147124	2660.524589378506	2675.99979894805	55.941270672873474	50.67630252434325
637	162726	48818.8586730335	0.012927	31.702502766	-39.35007117430744	-0.0268948	359817.1177988716	4356892.62728983	2885.91177988716	2715.4030661884053	2659.1329113195357	2665.83087125788	56.12701548886967	49.5721930626174
638	162726	49478.8586730335	0.012927	31.702502766	-39.3500681869332	-0.0245621	360018.418678273	4356883.63474878	2908.9520179123033	2714.363545704315	2657.7926053733665	2668.61785359911	56.12701548886967	49.5721930626174
639	162726	50138.8586730335	0.012927	31.702502766	-39.350064418018164	-0.0222293	360219.42633237375	4356879.647802465	2909.889573749203	2713.37366067517	2657.31198021825	2675.8457551544517	60.0283624922164	57.491203296514
640	162726	50798.8586730335	0.012927	31.702502766	-39.35006097	-0.0198965	360420.4336505529	4356875.65349716	2902.664448	2712.3758739952	2656.712011	2676.780662218334	55.604677160212304	55.5782151181878
641	162726	51458.8586730335	0.012927	31.702502766	-39.350057414844825	-0.0176338	360621.4403803105	4356871.69909033	2885.459321036053	2711.291859102223	2655.248136783678	2677.0048794488575	60.04322231656092	34.286778963367
642	162726	52118.8586730335	0.012927	31.702502766	-39.3500534562668	-0.0161123	360822.447829521	4356867.608002487	2910.249112024112	2653.119002642133	2680.913704214337	57.31103938197855	39.2733180996316	39.2733180996316
643	162726	52778.8586730335	0.012927	31.702502766	-39.35005036470556	-0.0128983	361023.4547975813	4356869.691152832	2886.746629932405	2709.17800326163	2650.549235964395	2675.757895906216	56.36273028723474	33.42014411894844
644	162726	53438.8586730335	0.012927	31.702502766	-39.35004673872744	-0.0105655	361224.4615781058	4356883.70247292	2886.96091444552	2647.701178157355	2668.075590593746	2668.75828816265	39.9060405	39.9060405
645	162726	54098.8586730335	0.012927	31.702502766	-39.3500430678634	-0.0082328	361425.482472897	4356881.7389978	2885.225605893827	2706.902214036997	2644.722114292778	2664.7380343043676	62.1800997379196	42.4291338093214
646	162726	54598.8586730335	0.012927	31.702502766	-39.35003935154927	-0.00559	361626.4747376536	4356881.7389978	2885.225605893827	2706.902214036997	2644.722114292778	2664.7380343043676	62.1800997379196	42.4291338093214
647	162726	55198.8586730335	0.012927	31.702502766	-39.350035717643434	-0.0028977	361823.51421708823	4356883.70247292	2886.96091444552	2647.701178157355	2668.075590593746	2668.75828816265	39.9060405	39.9060405
648	162726	56078.8586730335	0.012927	31.702502766	-39.350031784197284	-0.0012145	362028.4873632343	4356883.70247292	2886.96091444552	2647.701178157355	2668.075590593746	2668.75828816265	39.9060405	39.9060405
649	162726	56738.8586730335	0.012927	31.702502766	-39.35002793291237	-0.0058918	362229.49347630376	4356874.994537	2874.016738624875	2701.7627689124137	2651.991848025183	2665.26555889306	67.7542580915336	34.5568089519691
650	162726	57398.8586730335	0.012927	31.702502766	-39.3500240365654	-0.0059659	362430.499454949	4356881.7446891	2875.457240329396	2700.3981790339626	2628.29685415536	2661.53033479291	72.1013159294004	38.86744841705
651	162726	58098.8586730335	0.012927	31.702502766	-39.350020095159756	-0.0054263	362631.5053041315	4356879.647802465	2865.6417446326	2699.017350137899	2625.113727882496	2650.95933914493	73.9030225459848	48.021090887945
652	162726	58158.8586730335	0.012927	31.702502766	-39.350016108692046	-0.0051903	362832.5110190664	4356887.80023134	2859.189195203717	2697.625117138474	2622.6665815242616	2640.219610629832	74.047405968601	57.4057010840162
653	162726	58858.8586730335	0.012927	31.702502766	-39.3500123691743434	-0.0048977	363033.51421708823	4356883.70247292	2886.96091444552	2647.701178157355	2668.075590593746	2668.75828816265	39.9060405	39.9060405
654	162726	59038.8586730335	0.012927	31.702502766	-39.3500080057391	-0.0045722	363234.5225350308	4356879.647802465	2864.2119648137	2697.297267142094	2623.143711125421	2643.124565943037	71.041470747182	61.678305370531
655	162726	59698.8586730335	0.012927	31.702502766	-39.350003878923495	-0.0045902	363435.5273714765	4356881.8574426	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
656	162726	60158.8586730335	0.012927	31.702502766	-39.35000072212195	-0.0045275	363636.5325587143	4356881.8574426	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
657	162726	60718.8586730335	0.012927	31.702502766	-39.34999736756604	-0.0045676	363842.5609290405	4356879.647802465	2851.08133652913	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
658	162726	60718.8586730335	0.012927	31.702502766	-39.34999736756604	-0.0045676	363842.5609290405	4356879.647802465	2851.08133652913	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
659	162726	61378.8586730335	0.012927	31.702502766	-39.349993860914728	-0.0045742	364038.542533098	4356883.70247292	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
660	162726	61938.8586730335	0.012927	31.702502766	-39.34998991712258	-0.0045742	364238.542533098	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
661	162726	62598.8586730335	0.012927	31.702502766	-39.3499860007391	-0.0045722	364440.551995296	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
662	162726	63158.8586730335	0.012927	31.702502766	-39.34998216047162	-0.0045717	364645.5656731363	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
663	162726	63718.8586730335	0.012927	31.702502766	-39.349978260914728	-0.0045742	364850.5773257167	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
664	162726	64278.8586730335	0.012927	31.702502766	-39.3499743603505	-0.0045742	365064.586192218	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
665	162726	64838.8586730335	0.012927	31.702502766	-39.3499704603505	-0.0045742	365270.5973257167	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
666	162726	65398.8586730335	0.012927	31.702502766	-39.349966144442776	-0.0045248	365469.5881062391	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
667	162726	65958.8586730335	0.012927	31.702502766	-39.349962260914728	-0.0045248	365669.5973257167	4356879.647802465	2843.8219744281415	2683.41364297155	2626.11790335051	2633.662091262496	67.266158923365	59.7515509165495
668	162726	66518.8586730335	0.012927	31.702502766	-39.3499583603505	-0.0045248	365870.606486486	4356879.647802465	2843.8219744					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Ln.	BRELEVLogKgf.f	BRELEVBothKgf.f	SurfBoth.f		
11	127	12281	-363431.1413		901957.3170250766	39.34514140497024	-102.0871558	233958.833963882	4359624.908917599	3907.065252666272	3756.891536269645	3686.961385059306	3686.7568810452835	69.93015046371465	70.13465523462172
12	127	12282	-363681.1413		901957.3170250766	39.34516625565555	-102.0844235	234156166785728	4359620.76041625	3968.470465820175	3755.44665820175	3689.81932636993159	3689.812126172435	65.6243699931591	65.6243699931591
13	127	12283	-363921.1413		901957.3170250766	39.34519106157067	-102.082681	234558.0981537062	4359581.68336494	3968.81126437023	3753.94483100826	3692.42960454781	3692.42960454781	61.564522875	61.564522875
14	127	12284	-364261.1413		901957.3170250766	39.345215822433225	-102.0801587	235659.2296971502	4359612.570860821	3968.3040053188816	3752.535381770215	3694.3359730279417	3694.3359730279417	58.19965784097678	58.19965784097678
15	127	12285	-364701.1413		901957.3170250766	39.345240538234637	-102.0782623	234760.36131736264	4359608.458653018	3962.396406019763	3751.0695216894466	3695.6044871717433	3695.6044871717433	55.5640251721304	55.5640251721304
16	127	12286	-364104.1413		901957.3170250766	39.34526521	-102.0754939	234961.49205452047	4359644.34665311	3958.1503183732247	3749.5957490542215	3696.4577573084707	3696.4577573084707	53.17399174574433	53.17399174574433
17	127	12287	-363081.1413		901957.3170250766	39.34528983472408	-102.0731615	235162.6234893134	4359600.22644284	3953.910177374854	3748.114366	3696.648320526119	3696.648320526119	50.61405195510173	50.61405195510173
18	127	12288	-359721.1413		901957.3170250766	39.34531441	-102.0708291	235363.7549007507	4359596.12364474	3948.6700337774474	3746.61466363379	3695.90429107581	3695.90429107581	51.18071488580764	51.18071488580764
19	127	12289	-359691.1413		901957.3170250766	39.345338811568345	-102.0684867	235564.884490818	4359592.011473075	3948.261217826328	3745.126239508615	3695.794811686226	3695.794811686226	51.57072639478105	51.57072639478105
20	127	12290	-358401.1413		901957.3170250766	39.345363411568345	-102.0661345	235760.1462710213	4359587.90126829	3947.734581448115	3743.619461740381	3690.7519145705017	3690.7519145705017	52.86754675987948	52.86754675987948
21	127	12291	-357741.1413		901957.3170250766	39.3453878706367	-102.0638319	235967.14450524508	4359583.78909056	3947.860784833205	3742.014504217613	3687.056604856504	3687.056604856504	55.4349263196765	55.4349263196765
22	127	12292	-357081.1413		901957.3170250766	39.345412267549166	-102.0614959	236168.2711586483	4359575.67208427	3933.9851118837953	3740.587709125557	3682.912021439831	3682.912021439831	58.0017382683997	58.0017382683997
23	127	12293	-356421.1413		901957.3170250766	39.34543664296481	-102.0595671	236369.4036476997	4359571.37373474	3931.284867493652	3739.0549082787914	3678.0719467085	3678.0719467085	60.2828561	60.2828561
24	127	12294	-355761.1413		901957.3170250766	39.34546095330566	-102.0568347	236570.33047024895	4359571.457024895	3929.760394601174	3737.52799659167	3672.129426181252	3672.129426181252	63.257337862101	63.257337862101
25	127	12295	-355101.1413		901957.3170250766	39.345485218634548	-102.054023	236771.66138745757	4359567.346730976	3928.1004201426994	3735.977308074906	3664.157655653987	3664.157655653987	71.51340077040402	71.51340077040402
26	127	12296	-354441.1413		901957.3170250766	39.34550943891214	-102.0521699	236972.78995776382	4359563.236636156	3928.71120393017	3734.42174493036	3653.07092507471	3653.07092507471	81.3418180282502	81.3418180282502
27	127	12297	-353781.1413		901957.3170250766	39.34553361412791	-102.0498375	237173.81826357483	4359559.127683807	3924.647756374803	3732.855882	3640.418108742381	3640.418108742381	92.4717290362923	92.4717290362923
28	127	12298	-353121.1413		901957.3170250766	39.345557744239358	-102.0475051	237375.04631040955	4359550.17040359	3922.04453714604	3731.2799662182106	3629.296342801385	3629.296342801385	102.0743467294296	102.0743467294296
29	127	12299	-352461.1413		901957.3170250766	39.345581820490314	-102.0451727	237576.17409709935	4359550.975040813	3919.441133468118	3729.064295662486	3623.69231738114	3623.69231738114	105.6156943306928	105.6156943306928
30	127	12300	-351801.1413		901957.3170250766	39.34560586947454	-102.0428403	237777.10162365118	4359546.798239617	3916.838023364773	3728.092146282408	3624.213736723808	3624.213736723808	107.7042116920304	107.7042116920304
31	127	12301	-351141.1413		901957.3170250766	39.34562984501755	-102.0405079	237978.42899025022	4359548.989134899	3913.902658701628	3727.49510842018	3627.9405573200535	3627.9405573200535	108.5453310444	108.5453310444
32	127	12302	-350481.1413		901957.3170250766	39.34565381446666	-102.0381755	238179.5559971451	4359538.560230741	3910.630346848937	3724.867595958956	3623.7396612027496	3623.7396612027496	109.78747172630618	109.78747172630618
33	127	12303	-349821.1413		901957.3170250766	39.345677718381015	-102.0359181	238369.2683748581	4359541.07142882	3908.19515404261	3722.5011673472284	3618.3219162892453	3618.3219162892453	110.7704244919221	110.7704244919221
34	127	12304	-349161.1413		901957.3170250766	39.345701759242515	-102.0335106	238581.8092357407	4359530.3617048	3904.0599037472837	3721.6556319452216	3614.81810058907	3614.81810058907	108.234313333087	108.234313333087
35	127	12305	-348501.1413		901957.3170250766	39.34572530450501	-102.0311782	238782.93564152086	4359526.254709301	3898.4241462963257	3720.045162896242	3614.4241329682458	3614.4241329682458	105.85689768369104	105.85689768369104
36	127	12306	-347841.1413		901957.3170250766	39.34574918382235	-102.0288458	238984.06134156413	4359522.146899141	3893.340444616245	3718.434998358905	3616.19573563839	3616.19573563839	106.232627005156	106.232627005156
37	127	12307	-347181.1413		901957.3170250766	39.34577289	-102.0265134	239185.1871420999	4359518.03667486	3887.7626594776807	3716.626594776807	3616.526385657512	3616.526385657512	91.6217894890444	91.6217894890444
38	127	12308	-346521.1413		901957.3170250766	39.3457965819751	-102.0241809	239386.3125957598	4359513.930974265	3883.177045460332	3715.220441285887	3614.6553812744306	3614.6553812744306	94.1598052595546	94.1598052595546
39	127	12309	-345861.1413		901957.3170250766	39.345820238992626	-102.0216488	239587.4377963232	4359509.823495835	3877.221467934707	3713.818777658767	3613.818777658767	3613.818777658767	96.2868233297196	96.2868233297196
40	127	12310	-345201.1413		901957.3170250766	39.34584503391214	-102.0195161	239784.7273590487	4359505.71634264	3874.432073577125	3712.01354495514375	3614.77444855514	3614.77444855514	95.153071673209	95.153071673209
41	127	12311	-344541.1413		901957.3170250766	39.3458673688076	-102.0171837	239989.68740540984	4359501.60902453	3873.6326595195296	3710.41407806007	3638.320719	3638.320719	98.2035379103501	98.2035379103501
42	127	12312	-343881.1413		901957.3170250766	39.34589083634044	-102.0148512	240190.8118263502	4359497.502106085	3871.83245619235	3708.81830825119	3634.930608575693	3634.930608575693	101.12410922210485	101.12410922210485
43	127	12313	-343221.1413		901957.3170250766	39.34591429074045	-102.0125188	240391.93589891455	4359493.39856718	3870.542392362616	3707.227637	3631.348622427544	3631.348622427544	102.471077128165	102.471077128165
44	127	12314	-342561.1413		901957.3170250766	39.34593710010753	-102.0101864	240593.0598902157	4359489.28826178	3869.7601022029335	3705.64226219124	3626.884644393718	3626.884644393718	102.0198172	102.0198172
45	127	12315	-341901.1413		901957.3170250766	39.345961064447934	-102.0078389	240794.1834551797	4359485.126388617	3868.97808082778	3704.0688124567125	3623.156515063895	3623.156515063895	100.939665307175	100.939665307175
46	127	12316	-341241.1413		901957.3170250766	39.345984938	-102.0055215	240935.2683748581	4359481.07142882	3868.19515404261	3702.5011673472284	3618.3219162892453	3618.3219162892453	99.78747172630618	99.78747172630618
47	127	12317	-340581.1413		901957.3170250766	39.3460075787661	-102.0031891	241196.4307015366	4359478.970485758	3866.705890717839	3700.9488811011234	3615.161574	3615.161574	97.8710677027341	97.8710677027341
48	127	12318	-339921.1413		901957.3170250766	39.3460308703109	-102.0008566	241397.5529523806	4359472.64756944	3864.014448330305	3699.414235035824	3611.254476868424	3611.254476868424	95.8593694394938	95.8593694394938
49	127	12319	-339261.1413		901957.3170250766	39.34605407113451	-102.0085224	241598.67537646	4359468.75925269	3862.314500598821	3697.903692230406	3607.09740498885	3607.09740498885	92.8506726118556	92.8506726118556
50	127	12320	-338601.1413		901957.3170250766	39.34607710186856	-102.0061917	241799.7974234526	4359464.63394508	3860.118552889125	3696.425267624306	3606.89287614084	3606.89287614084	90.082163450064	90.082163450064
51	127	12321	-337941.1413		901957.3170250766	39.34610030418809	-102.0039593	242000.9201	4359460.54876075	3857.93684615075	3694.8598983786023	3600.6035412619426	3600.6035412619426	86.1631315	86.1631315
52	127	12322	-337281.1413		901957.3170250766	39.34612333138154	-102.001529	242202.041909528	4359456.43455221	3855.775196	3693.01431958463	3594.527488017096	3594.527488017096	88.628331833671	88.628331833671
53	127	12323	-336621.1413		901957.3170250766	39.34614637870714	-102.0000714	242405.6092715186	4359451.6092715186	3854.0098743745	3691.46098743745	3592.83695344241	3592.83695344241	87.780494763942	87.780494763942
54	127	12324	-335961.1413		901957.3170250766	39.3461693158454	-102.008662	242604.2845470325	4359448.234550229	3851.448018	3690.051682170				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtElev.ft	SatHtBot.ft
137	167	12297	-28181.1413	901957.3170250766	39.34791784745765	-01.7939264	25996.48973	4359108.248671664	364.2003653553076	3441.3933302132305	3448.2090772864426	3447.415050276318	3448.25282687789
138	167	12298	-280521.1413	901957.3170250766	39.34793702185276	-01.7909314	25989.5879841856	4359104.160771137	363.840359617012	3539.0011925483103	3441.322810493182	347.8783621512847	97.17903259657335
139	167	12299	-279861.1413	901957.3170250766	39.347965115119312	-01.7868498	25988.6869877825	4359100.075	352.79719621423397	3455.6263032893295	3433.0521633442967	103.706743393123	102.730398498453
140	167	12299	-279201.1413	901957.3170250766	39.347975235478955	-01.7862635	25989.7885542013	4359095.96533493	360.611641716916	3427.878004215266	3428.0071199653125	106.27803193331269	106.286933905268
141	167	12298	-278541.1413	901957.3170250766	39.347984274709954	-01.7839337	26001.08848320942	4359091.896256157	370.3112090401257	351.824064346644	3428.109189361093	103.8122170735716	103.8122686266455
142	167	12292	-277881.1413	901957.3170250766	39.34801327	-01.7816012	26030.1861703395	4359081.81146673	373.13130801307954	352.91601389717642	3427.26489	118.2072754370909	118.2072754370909
143	167	12293	-277221.1413	901957.3170250766	39.3480321800765	-01.7792886	26050.3876295596	4359083.724234933	371.63186360875974	352.2963363439603	3424.85725187954	133.594084589618	133.594084589618
144	167	12294	-276561.1413	901957.3170250766	39.34805112207425	-01.776936	26070.1864816634	4359076.63750297	371.4134735	352.509300338676	3423.35277746048	102.6567229251959	151.1522772144380
145	167	12295	-275901.1413	901957.3170250766	39.34806989	-01.7746038	26085.26582878137	4359073.50104652	372.239197175493208	352.654093520285	3419.862683883447	102.8530071691153	102.8530071691153
146	167	12296	-275241.1413	901957.3170250766	39.3480879504282	-01.7722709	26106.3845728135	4359071.464689958	370.871707489756	352.409917389415	3417.22572722633	133.976325717545	133.976325717545
147	167	12297	-274581.1413	901957.3170250766	39.3481075634471	-01.7699983	26130.483058497	4359067.378565259	370.76372	351.825932008287	3414.13050584991	104.1288721325958	171.288044028765
148	167	12298	-273921.1413	901957.3170250766	39.34812629	-01.7650752	26150.85813580315	4359063.29624216	370.2855177930434	351.6105295031826	3410.74402738697	105.3119273927931	105.3119273927931
149	167	12299	-273261.1413	901957.3170250766	39.34814466583476	-01.762732	26170.67939578352	4359060.296916894	368.946863062688	351.869784052805	3406.750336168846	104.3862469	104.3862469
150	167	12299	-272801.1413	901957.3170250766	39.348163002031	-01.7629406	26191.07719806015	4359055.12138957	369.0380941953026	351.7105803289687	3402.2814087724246	127.0491155654143	127.0491155654143
151	167	12299	-271941.1413	901957.3170250766	39.34816216900204	-01.760608	26211.874765682	4359051.03668891	369.2575486072447	350.9749897426047	3507.590023985183	111.8220481925209	127.563681698045
152	167	12292	-271281.1413	901957.3170250766	39.34820073262864	-01.7582754	26212.072970170	4359046.950026254	369.758116941144	350.746306259512	3393.541715002105	113.9191197497428	127.5433000529594
153	167	12293	-270621.1413	901957.3170250766	39.34821932120009	-01.7559429	26214.0691940653	4359042.865991821	369.542137163445	350.573892015743	3392.2815921699593	113.113797	120.373818185728
154	167	12294	-269961.1413	901957.3170250766	39.34823764716135	-01.7536103	26217.1560565275	4359038.781254781	369.325462939354	350.312168993856	3393.266282153231	110.0449674605206	116.696680768143
155	167	12295	-269301.1413	901957.3170250766	39.348256003177405	-01.7512777	26219.262685105	4359034.69671504	368.2195932	350.21739986271613	3395.332164982506	104.913364471064	111.77440512994008
156	167	12296	-268641.1413	901957.3170250766	39.34827445658314	-01.7489451	26317.13907825205	4359030.3162733665	369.215443343544	349.9266529	3398.8175818776854	100.48949730639453	103.6105170404993
157	167	12297	-267981.1413	901957.3170250766	39.3482927493363	-01.7466125	26318.4552795765	4359026.52829977	369.11156898477	349.730109009584	3402.2627801472248	102.868636204311	95.0278031
158	167	12298	-267321.1413	901957.3170250766	39.3483110482276	-01.74428	26319.5511632956	4359022.44821231	368.705785459581	349.747586811738	3406.590126257917	106.3585524177228	88.98903416635312
159	167	12299	-266661.1413	901957.3170250766	39.34832976466526	-01.7419831	26320.64897867725	4359018.31989592	368.4540828	349.768023985183	3407.782542494144	114.856711619485	114.856711619485
160	167	12300	-266001.1413	901957.3170250766	39.3483476	-01.7396148	26321.74414654	4359010.129681058	364.300387	349.7569175551533	3409.43673	121.313457953121	82.25751177049597
161	167	12301	-265341.1413	901957.3170250766	39.34835597790824	-01.7372822	264122.837604772	4359012.93827469	369.851405505316	348.972730346514	3410.5596100243097	109.91230224034	79.83140795512504
162	167	12302	-264681.1413	901957.3170250766	39.34836390864246	-01.7349496	26432.32363037965	4359006.110471483	369.3228027701213	348.7934840634876	3410.89349	77.0411961821764	76.29646077023335
163	167	12303	-264021.1413	901957.3170250766	39.34840173888215	-01.732617	26452.05273928765	4359002.027513095	369.3892917281658	348.6173811120316	3409.765549774042	71.6520473622739	71.6520473622739
164	167	12304	-263361.1413	901957.3170250766	39.34841974184545	-01.7302844	26462.7192007597	4358997.44752303	369.610502640505	348.484108285964	3408.4248259706	76.0243731325791	76.0243731325791
165	167	12305	-262701.1413	901957.3170250766	39.3484376899153	-01.72781618	26484.7216146818	4358993.36198992	368.4540828	349.768023985183	3407.782542494144	114.856711619485	114.856711619485
166	167	12306	-262041.1413	901957.3170250766	39.3484521120257	-01.7253177	26512.1077748974	4358989.73496343	368.11063371239115	349.7475924950786	3407.782542494144	114.856711619485	114.856711619485
167	167	12307	-261381.1413	901957.3170250766	39.34847348038084	-01.7232866	26532.4014081347	4358985.69765401	369.247376105378	347.9483613273636	3409.28010191325	109.602646765795	109.602646765795
168	167	12308	-2607121.1413	901957.3170250766	39.348491303137976	-01.720954	26553.407099354	4358981.615684095	369.262332961637	347.7887974919767	3406.39055171506	106.9046942436974	115.795642082608
169	167	12309	-260061.1413	901957.3170250766	39.34850980822112	-01.7186214	26573.59107428044	4358977.533911961	369.0508984896336	347.673199205405	3404.060432086868	103.24206192047	103.24206192047
170	167	12310	-259401.1413	901957.3170250766	39.3485281345053	-01.7162889	26593.6824210014	4358973.45233668	369.1839464777916	347.747875803268	3401.491213070322	103.24206192047	103.24206192047
171	167	12311	-258741.1413	901957.3170250766	39.34854451002316	-01.7139653	26613.33771149613	4358969.37088176	369.673952110214	347.7521645872615	3398.520552892204	103.24206192047	103.24206192047
172	167	12312	-258081.1413	901957.3170250766	39.34856143538988	-01.7116287	26634.34897887673	4358965.290778398	369.545308784315	347.748217370298	3397.1981044281108	103.24206192047	103.24206192047
173	167	12313	-257421.1413	901957.3170250766	39.34857974100396	-01.709291	26655.9522318218	4358958.728795064	368.434764958486	347.0268938810627	3394.895121488733	73.7912198	73.7912198
174	167	12314	-256761.1413	901957.3170250766	39.348597323405044	-01.7069584	26673.054443335	4358957.12801335	368.431591732865	346.8793353526067	3393.307605670454	103.24206192047	103.24206192047
175	167	12315	-256101.1413	901957.3170250766	39.34861480075526	-01.7046258	26693.144625066	4358953.01997575	368.47338671388806	3392.63983684272	3392.63983684272	75.27486246	75.27486246
176	167	12316	-255441.1413	901957.3170250766	39.3486323034847	-01.7023932	26713.92381785441	4358948.967302325	368.9952777870234	346.8793353526067	3391.28992366962	103.24206192047	103.24206192047
177	167	12317	-254781.1413	901957.3170250766	39.34864968028725	-01.6999906	26730.3497065426	4358944.88639568	368.458477983399	346.467272239937	3390.958238922416	103.24206192047	103.24206192047
178	167	12318	-254121.1413	901957.3170250766	39.348670546615	-01.697628	26751.4209930418	4358940.586440315	369.78168205975	346.3460985872026	3390.38026157617	103.24206192047	103.24206192047
179	167	12319	-253461.1413	901957.3170250766	39.348691166125	-01.6952928	26773.6437446213	4358937.674464213	369.673952110214	347.7521645872615	3397.1981044281108	103.24206192047	103.24206192047
180	167	12320	-252801.1413	901957.3170250766	39.3487106166125	-01.692928	26793.6437446213	4358934.674464213	369.673952110214	347.7521645872615	3397.1981044281108	103.24206192047	103.24206192047
181	167	12321	-252141.1413	901957.3170250766	39.3487188867425	-01.6906302	26814.69349392416	4358928.56803375	366.262332961637	347.7887974919767	3406.39055171506	106.9046942436974	115.795642082608
182	167	12322	-251481.1413	901957.3170250766	39.3487369063113	-01.6882756	26835.748694755	4358924.848383002	366.18255140721	347.7887974919767	3406.39055171506	106.9046942436974	115.795642082608
183	167	12323	-250821.1413	901957.3170250766	39.34875324	-01.68595	26857.4674013221	4358920.49830709	367.684728	345.6059898188343	3373.19762645565	103.24206192047	103.24206192047
184	167	12324	-250161.1413	901957.3170250766	39.3487703376266	-01.6836324	26874.7963944974	4358916.3101905	368.303952647999	345.6494242320053	3373.3794969357	103.24206192047	103.24206192047
185	167	12325	-249501.1413	901957.3170250766	39.3487874	-01.6813997	26894.953624797	4358912.252406698	368.9952777870234	346.8793353526067	33		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
263	167	123103	-198021.1413	901957.3170250766	39.34497900484333	-01.4993526	284633.9631816332	4358594.728291977	3308.316834360253	3262.963150190514	3265.9094608089435	3265.368951689944	76.3588938157044	97.29419800807015
264	167	123104	-197361.1413	901957.3170250766	39.349995250209775	-01.4870199	284834.5345826755	4358590.605253325	3506.407684	3267.047297709165	3267.1399801048586	3266.891057342758	93.5819407369184	93.5819407369184
265	167	123105	-196701.1413	901957.3170250766	39.350095942363845	-01.4866871	28505.5075780477	4358586.602411513	3358.27813213286	3268.3026368703048	3268.3026368703048	3268.3026368703048	89.8734574262046	89.8734574262046
266	167	123106	-196041.1413	901957.3170250766	39.350019361415946	-01.4823256	285236.5794601784	4358582.393766543	3585.058396200547	3356.0553083089425	3269.166515791924	3269.166515791924	86.7811904517654	86.7811904517654
267	167	123107	-195381.1413	901957.3170250766	39.35003272	-01.4900219	285437.6511286653	4358578.7415067079	3501.3393781192258	3353.899325023879	3269.8646167608554	3269.8473112412196	84.35201783265947	84.35201783265947
268	167	123108	-194721.1413	901957.3170250766	39.350064405045616	-01.4876892	285638.7225881438	4358574.415067079	3500.748511209638	3351.7268809484743	3269.873419810155	3269.873419810155	82.21715714913444	82.21715714913444
269	167	123109	-194061.1413	901957.3170250766	39.35009312460985	-01.4853565	285839.7938357034	4358570.35012577	3500.157643925077	3354.572159704764	3269.322678650363	3268.837180198956	80.24948105322009	80.24948105322009
270	167	123110	-193401.1413	901957.3170250766	39.3500725935962	-01.4840328	286040.8647231904	4358567.291154476	3499.567166728393	3347.444	3268.02581	3267.859939312943	79.41491034220129	79.41491034220129
271	167	123111	-192741.1413	901957.3170250766	39.350065572197975	-01.4866871	286041.8359682487	4358562.294939775	3498.7008539698723	3345.3498732695873	3268.169434360363	3268.169434360363	78.99724141857107	78.99724141857107
272	167	123112	-192081.1413	901957.3170250766	39.35009895777724	-01.4783584	286443.0053136327	4358558.16	3497.7089723695873	3343.2974971713042	3264.1901903181956	3264.697935452584	78.107922308173	78.107922308173
273	167	123113	-191421.1413	901957.3170250766	39.350111946999134	-01.4760257	286644.0797191137	4358554.106762546	3496.66884226956	3341.3010007425305	3262.276751856303	3263.087514565362	79.02402486470017	78.2133818898391
274	167	123114	-190761.1413	901957.3170250766	39.3501249636115	-01.473693	286845.1469145021	4358550.948912253	3495.6214948896074	3339.3708515625417	3260.57816685849	3261.06116685849	78.77349549598966	78.2869229
275	167	123115	-190101.1413	901957.3170250766	39.35013798795675	-01.4713603	287046.2160003225	4358545.954882011	3493.97755485974	3337.521715898483	3258.9762150415093	3259.9262951893306	75.54550705	75.54550705
276	167	123116	-189441.1413	901957.3170250766	39.350150965451049	-01.4690276	287247.2866759668	4358541.92411208	3491.171781350659	3335.763048677032	3257.4720239410076	3259.0254366723212	76.5098015828002	76.5098015828002
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278	167	123118	-188121.1413	901957.3170250766	39.35017673242376	-01.464362	287649.4255996973	4358533.803371432	3487.19831355912	3332.55318342309	3254.708314530306	3257.042075927911	72.9502186329794	72.9502186329794
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281	167	123121	-186141.1413	901957.3170250766	39.35021505135169	-01.457364	288252.63418888	4358521.623707286	3481.714993230434	3328.502586041361	3251.152785872238	3264.7753274206087	77.39480052912363	76.7264898192228
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283	167	123123	-184821.1413	901957.3170250766	39.35024038867534	-01.4526986	288654.7892560749	4358515.507	3477.82294380059	3326.201243926027	3249.64068034014	3266.35760931047	75.555158983003	75.555158983003
284	167	123124	-184161.1413	901957.3170250766	39.350246494748885	-01.4503639	288855.873625535	4358510.45807593	3475.2630637704	3325.13397505827	3248.39847089304	3266.0541829194708	75.7354736867659	75.7354736867659
285	167	123125	-183501.1413	901957.3170250766	39.350245859611269	-01.4477879	289025.3084839687	4358503.93011005	3466.58195777103	3324.0525135176	3248.4626738855296	3264.68048692544	74.824152454	74.824152454
286	167	123126	-182841.1413	901957.3170250766	39.3502704171804	-01.4457005	289257.9726521796	4358501.329181255	3460.143131556403	3323.116930406803	3249.940725653997	3263.763409523616	73.762018400433	73.762018400433
287	167	123127	-182181.1413	901957.3170250766	39.35029050261409	-01.4433678	289459.043661556	4358497.26967811	3457.4602181757623	3322.15245970317	3250.7848834673277	3263.43074229316	73.13675812970392	73.13675812970392
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289	167	123129	-180861.1413	901957.3170250766	39.350315289234864	-01.4387024	289861.1748832786	4358493.21359623	3461.848440539233	3320.285701571407	3252.57586626605	3254.2678056011674	70.7998352880201	70.7998352880201
290	167	123130	-180201.1413	901957.3170250766	39.35032671495338	-01.4363696	290062.24717464303	4358485.93516568	3459.0425516003884	3319.384716193925	3248.647207495336	3249.15051692184	70.7364307039892	70.7364307039892
291	167	123131	-179541.1413	901957.3170250766	39.350424585961269	-01.4340362	290265.3084839687	4358482.393766543	3446.58195777103	3318.2406738855296	3248.4626738855296	3248.4626738855296	70.4371420484958	70.4371420484958
292	167	123132	-178881.1413	901957.3170250766	39.35052311217212	-01.4317042	290484.7619833807	4358474.980024917	3446.1675401463815	3317.642695307314	3246.643141063815	3240.776219517223	70.9796504720157	70.9796504720157
293	167	123133	-178221.1413	901957.3170250766	39.35053421753586	-01.4293715	290665.4410796124	4358472.92277045	3445.1676814353637	3316.798381578254	3327.420361884878	3247.574384564223	70.766767224756	70.766767224756
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295	167	123135	-176901.1413	901957.3170250766	39.35058386765745	-01.4247601	291067.5729685638	4358464.80865432	3447.882338543076	3315.152016055985	3322.374340207673	3232.40552783305	72.775854828553	72.775854828553
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298	167	123138	-174921.1413	901957.3170250766	39.35062498330305	-01.4177879	291670.7629424351	4358452.39011005	3442.58195777103	3312.4036377967873	3228.375142164529	3228.375142164529	74.1430452123264	74.1430452123264
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300	167	123140	-173601.1413	901957.3170250766	39.3506438387848	-01.4130425	292072.8990347134	4358444.52699427	3442.732253459147	3311.1676401328436	3226.3850758110952	3226.35222427856	74.87256432	74.87256432
301	167	123141	-172941.1413	901957.3170250766	39.35066022394447	-01.4107097	292273.6556524253	4358441.947113867	3440.311399	3310.386323876473	3225.037637461378	3224.926301356946	74.7320742626934	74.7320742626934
302	167	123142	-172281.1413	901957.3170250766	39.35067200895909	-01.408377	292475.02805475553	4358436.36077025	3447.8902743144927	3309.56027	3222.852070714544	3223.845521	75.7082658	75.7082658
303	167	123143	-171621.1413	901957.3170250766	39.350684378898014	-01.4060443	292676.92492162	4358432.36077025	3435.717927	3308.76343803096	3221.94212886738	3221.94212886738	76.371304345691	76.371304345691
304	167	123144	-170961.1413	901957.3170250766	39.35069454375555	-01.4037116	292877.1562396304	4358428.305036929	3434.7443997143796	3307.94029193222	3220.84742537804	3220.7321070011702	76.0574659494175	76.0574659494175
305	167	123145	-170301.1413	901957.3170250766	39.35070694830305	-01.4014779	293078.807623863	4358424.980024917	3432.58195777103	3307.0436377967873	3220.375142164529	3220.375142164529	74.1430452123264	74.1430452123264
306	167	123146	-169641.1413	901957.3170250766	39.3505186983204	-01.3990611	293279.2836103405	4358420.195248915	3429.947215	3306.176170415943	3218.498485702474	3218.5353924051987	76.7765438	76.7765438
307	167	123147	-168981.1413	901957.317025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
38	167	12329	-114861.1413	901957.3172050766	39.35132481457783	-11.20542678	309966.87234009064	43858084.333071508	3283.362946781595	1424.73744	3092.1917477238337	3094.5305991895903	50.33969229138647	48.20680430
390	167	12320	-114201.1413	901957.3172050766	39.3513263427379	-11.203498	310167.91566700059	43858090.24774606	3280.951660062141	1139.74526579634	3089.5391206357904	3090.9912437883045	50.23580543254242	48.7836281232957
391	167	12321	-113641.1413	901957.3172050766	39.3513263427379	-11.203498	310167.91566700059	43858090.24774606	3280.951660062141	1139.74526579634	3089.5391206357904	3090.9912437883045	50.23580543254242	48.7836281232957
392	167	12322	-112881.1413	901957.3172050766	39.35134814	-11.198492	310570.01346545459	43858072.21678381	3278.9249052560987	1133.8429900126484	3087.6296313152965	3086.7906335750875	50.020697358248	48.7272495365306
393	167	12323	-112221.1413	901957.3172050766	39.3513258924944	-11.1960064	310771.6013579725	43858068.181059046	3278.38139291671	1130.874198363813	3081.0611279132366	3081.05117611921	48.912674488623	48.85843741815864
394	167	12324	-111561.1413	901957.3172050766	39.351364244624	-11.1937637	310972.10662707462	43858064.14354552	3277.90246646791	1130.774062464791	3078.3486034967354	3077.86246317927	49.5576311255434	50.2234032998185
395	167	12325	-110901.1413	901957.3172050766	39.351370568364	-11.1914309	311173.152520387	43858060.106227891	3275.4357384258875	1132.941238872497	3074.864166857193	3074.114833070245	50.0707201303656	50.82865571772285
396	167	12326	-110241.1413	901957.3172050766	39.35137860616544	-11.1890881	311374.19930434044	43858059.69106053	3271.169898047157	1131.979751577695	3071.25130092370	3070.427174892803	50.7284425502196	51.2557766801463
397	167	12327	-109691.1413	901957.3172050766	39.351386110433246	-11.1867863	311575.244695518	43858052.32189038	3268.94232864686	1131.932635314762	3067.8512282245	3067.1886307261385	50.7886307261385	51.2557766801463
398	167	12328	-108921.1413	901957.3172050766	39.3513936963964	-11.1844323	311776.29071105376	43858047.95494922	3262.6349051839	1131.072101054448	3064.23459789483	3062.7201839141426	51.537712245964	53.352125140305245
399	167	12329	-108261.1413	901957.3172050766	39.35140098378518	-11.1820998	311977.332722408	43858043.95835141	3258.322329217913	1131.2511965587	3060.206347118017	3058.6547287554	52.92180424678554	54.4734306
400	167	12340	-107601.1413	901957.3172050766	39.3514083286927	-11.179767	312178.3164642853	43858039.92257671	3254.07546648048	1131.014959548247	3056.212902582593	3054.6528036145746	53.9785754870251	55.3686923307109
401	167	12341	-106941.1413	901957.3172050766	39.35141562748811	-11.1774342	312379.4268423921	43858035.88643357	3249.7885073078248	1130.787497349634	3051.894384016905	3050.55245189581	56.99740414142827	56.99740414142827
402	167	12342	-106281.1413	901957.3172050766	39.351422585536	-11.1751014	312580.47158176803	43858031.85048091	3245.501934108414	1130.436376243457	3047.5366525437	3046.29092860751	56.827037272712966	58.0772473688612
403	167	12343	-105621.1413	901957.3172050766	39.351430199753906	-11.1727688	312781.5166771547	43858027.41735607	3242.48267276352	1130.4800512978746	3042.4316666330146	3041.27943596014956	58.80355959695	60.0026959137901
404	167	12344	-104961.1413	901957.3172050766	39.35143737859284	-11.170438	312962.561320147	43858023.7918081	3240.760916	1130.981211145528	3037.307938891574	3036.16012363328	61.3130725936859	62.4609598019172
405	167	12345	-104301.1413	901957.3172050766	39.35144452	-11.168103	313183.605779525	43858019.74382092	3239.029159377692	1130.873643615137	3031.059327008485	3030.190420400317	64.72843148542914	65.5980221344283
406	167	12346	-103641.1413	901957.3172050766	39.35145162106881	-11.1657703	313384.6500505183	4385801579	3237.297402317377	1130.924557517795	3024.207089793373	3023.95707963548	67.74746592	69.38747608244904
407	167	12347	-102981.1413	901957.3172050766	39.351458674741764	-11.1634375	313585.69414884435	43858011.63879743	3235.974171675526	1130.92129667014	3016.608237197992	3016.1964555941884	70.647590815226	74.0165407425575
408	167	12348	-102321.1413	901957.3172050766	39.351465333536	-11.1611047	313786.7380611361	43858007.639815405	3235.0668286996	1130.97470097892	3014.0144287308894	3013.746509415224	77.62489733073148	77.62489733073148
409	167	12349	-101681.1413	901957.3172050766	39.3514724686759	-11.1587719	313987.7817901325	43858004.0348557	3234.16017742439	1130.847643491235	3014.285611603334	3014.305424700354	80.047948158803	80.04190594156749
410	167	12350	-101001.1413	901957.3172050766	39.35147956533842	-11.1564391	314188.6253733826	4385799957	3233.251536724853	1130.804592523277	3009.035125300576	3009.11043662813	81.0430973912204	82.8295263604348
411	167	12351	-100341.1413	901957.3172050766	39.35148633747855	-11.1541063	314389.66200587	438579943371987	3232.30819288865	1130.6581453112592	3004.644823302478	3004.644823302478	82.8295263604348	84.7658272203878
412	167	12352	-99681.1413	901957.3172050766	39.35149327	-11.1517735	314590.911855394	4385799150782254	3231.37923054068	1130.67925486222	2992.536092478373	2992.536092478373	84.7658272203878	86.5980221344283
413	167	12353	-99021.1413	901957.3172050766	39.3515003038249	-11.1494407	314791.9548872641	4385798746788205	3230.391973322046	1130.47921615488	2992.504652740639	2992.581791958169	81.9928287484929	81.9160838279309
414	167	12354	-98361.1413	901957.3172050766	39.3515067886075	-11.147108	314992.9970766054	438579843438937	3230.366057628423	1130.2065364628105	2994.7461448552014	2994.8925187213001	77.2103916706929	77.1640174151018
415	167	12355	-97721.1413	901957.3172050766	39.35151348177135	-11.1447752	315194.00430473913	43857979401	3227.127983472	1130.6971623792936	2998.995144313025	2998.995144313025	70.14617381902598	70.14617381902598
416	167	12356	-97041.1413	901957.3172050766	39.3515201298769	-11.1424424	315395.0820599515	438579753778102	3224.215947699637	1130.673468881784	3003.067440669362	3004.064820244404	64.7286264124637	63.281266683707
417	167	12357	-96381.1413	901957.3172050766	39.35152675291763	-11.1401198	315596.125160717	438579713347673	3223.20913288865	1130.6581453112592	3004.644823302478	3004.644823302478	65.80355959695	66.0026959137901
418	167	12358	-95721.1413	901957.3172050766	39.35153377859284	-11.1377768	315797.162781588	438579671031994	3222.30819288865	1130.6581453112592	3004.644823302478	3004.644823302478	66.0026959137901	66.0026959137901
419	167	12359	-95061.1413	901957.3172050766	39.35153980381465	-11.135444	315998.2091989119	438579632933006	3224.874174155467	1130.6072964480034	3000.813714760547	3001.4869041559717	59.9150000435912	59.9150000435912
420	167	12360	-94401.1413	901957.3172050766	39.3515462170884	-11.1331112	316199.250361984	438579592360644	3224.760006692073	1130.56836990473	2998.8366990434	2999.4784053902704	59.9150000435912	59.9150000435912
421	167	12361	-93741.1413	901957.3172050766	39.3515526446561	-11.1307784	316400.292493521	4385795520467712	3224.67712188674	1130.566149728314	2996.564403	2997.0470689437	60.03709425621024	59.9150000435912
422	167	12362	-93081.1413	901957.3172050766	39.35155907198775	-11.128456	316600.3387147763	4385795112644391	3224.525537120526	1130.54617346879	2994.9685288093324	2995.3081246594621	59.3058497	59.3058497
423	167	12363	-92421.1413	901957.3172050766	39.35156548407038	-11.1261128	316802.37056987878	4385794714809576	3224.417414089576	1130.52814294479683	2994.426974175987	2994.426974175987	58.2572330508632	58.2572330508632
424	167	12364	-91761.1413	901957.3172050766	39.3515719244947	-11.12378	317003.4160890547	4385794310916764	3223.40647678321	1130.51461763521	2994.426974175987	2994.426974175987	58.2572330508632	58.2572330508632
425	167	12365	-91101.1413	901957.3172050766	39.3515793502804	-11.1214472	317204.45692351	4385793977178339	3224.188484	1130.49826914532754	2993.857045977229	2993.857045977229	58.2572330508632	58.2572330508632
426	167	12366	-90441.1413	901957.3172050766	39.351584132515846	-11.1191145	317405.4975900675	438579350467498	3224.077872326306	1130.4716049375965	2994.24285671554	2994.4119901397157	58.2572330508632	58.2572330508632
427	167	12367	-89781.1413	901957.3172050766	39.35159028494112	-11.1167817	317606.5380732625	4385793105412228	3224.010263841457	1130.4501629	2994.51386756774	2994.691234671632	58.2572330508632	58.2572330508632
428	167	12368	-89121.1413	901957.3172050766	39.3515963230481	-11.1144489	317807.5787772823	43857926585	3223.8633696105	1130.4380957055436	2994.835111933392	2994.835111933392	58.2572330508632	58.2572330508632
429	167	12369	-88461.1413	901957.3172050766	39.3516024546089	-11.1121161	318008.618503902	438579223988389	3223.642729420515	1130.4199584703684	2994.772739438125	2994.772739438125	58.2572330508632	58.2572330508632
430	167	12370	-87801.1413	901957.3172050766	39.35160847184734	-11.1097733	318209.658452084	4385791834198103	3223.36602110024	1130.404395747323	2994.55179687424	2994.6854470470565	45.858257276538	45.858257276538
431	167	12371	-87141.1413	901957.3172050766	39.35161483709796	-11.1074083	318409.618503902	43857914311957	3223.0814311957	1130.3943818108	2994.772739438125	2994.772739438125	45.858257276538	45.858257276538
432	167	12372	-86481.1413	901957.3172050766	39.35162037171434	-11.1051177	318611.7381532247	438579103639024	3222.718096117007	1130.37313818108	2992.32843733921	2992.32843733921	45.858257276538	45.858257276538
433	167	12373	-85821.1413	901957.3172050766	39.351626253198695	-11.1027849	318812777	4385790683817245	3222.3344549047	1				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
515	167	123355	-31701.14133	901957.3170250766	36.35196523599214	-100.19114945	335297.4254527571	374575.77047452851	3085.869145242662	2949.684364143267	2848.271380725514	2848.1684646466283	90.141298341775291	90.15159175
516	167	123356	-31041.14133	901957.3170250766	36.35195737789829	-100.3091671	33548.4505615904	3543.757330700923	3081.611395458139	2948.360632770274	2847.37770504812	2847.37770504812	90.1792770726199	90.180191002343827
517	167	123357	-30381.14133	901957.3170250766	36.351961526523624	-100.3068289	33569.4711026146	3548.7868933626	3086.33954781781	2947.03791714913	2846.62321866189	2847.1465307209995	90.1863371866189	90.1863371866189
518	167	123358	-29721.14133	901957.3170250766	36.351961526523624	-100.3044661	33590.5011901024	3547.956506996246	3091.09565966436	2946.64785850293	2846.597396	2846.80567811409	90.0546523851924	90.0546523851924
519	167	123359	-29061.14133	901957.3170250766	36.351963324282	-100.3021632	33610.15261280279	3547.956506993988	3091.09565966436	2946.28622378295	2846.595567914302	2846.6496707781265	97.69060678146465	97.63661599556959
520	167	123360	-28401.14133	901957.3170250766	36.35196548499694	-100.3098304	33630.5208975246	3547.956506993988	3089.597702461418	2942.907604942816	2846.635798322036	2846.6480554559254	96.27426083496586	96.27426083496586
521	167	123361	-27741.14133	901957.3170250766	36.35196741149425	-100.3097486	33650.575707016	3547.956506993988	3088.0173464163222	2941.5009335511	2846.738957	2846.787631660978	97.63661599556959	97.63661599556959
522	167	123362	-27081.14133	901957.3170250766	36.3519692302647	-100.3095148	33670.345995976474	3547.956506993988	3084.43762524626	2940.17717818937	2847.026032154733	2847.03032154733	93.1114403310415	93.114403310415
523	167	123363	-26421.14133	901957.3170250766	36.3519711094895	-100.3092632	33690.52450591866	3547.956506993988	3086.33954781781	2947.03791714913	2846.62321866189	2847.1465307209995	90.1863371866189	90.1863371866189
524	167	123364	-25761.14133	901957.3170250766	36.35197289509392	-100.3094961	33710.6458438956	3547.956506993988	3083.076305505923	2947.03791714913	2846.62321866189	2847.1465307209995	90.1863371866189	90.1863371866189
525	167	123365	-25011.14133	901957.3170250766	36.3519746722913	-100.3088163	33730.7672353262	3547.956506993988	3081.3221105192246	2936.02186074964	2848.72971352383	2848.72971352383	87.30247901705589	87.30247901705589
526	167	123366	-24411.14133	901957.3170250766	36.3519763185201	-100.3085833	33750.6917569166	3547.956506993988	3079.6478804813603	2943.641451992841	2847.74897666234	2849.138301404673	84.893622262171	85.25015058167955
527	167	123367	-23781.14133	901957.3170250766	36.35197796475252	-100.3083507	33770.9178345524	3547.956506993988	3075.2548819612475	2933.245142288384	2850.632016544024	2852.0181633179513	83.706431733179513	83.706431733179513
528	167	123368	-23121.14133	901957.3170250766	36.351979565071	-100.30811679	33790.143733250475	3547.956506993988	3080.1831155461487	2931.84243335816	2851.739581	2851.10512791837	80.1028390766571	80.7373071473484
529	167	123369	-22481.14133	901957.3170250766	36.35198112200654	-100.3078839	33811.76667820516	3547.956506993988	3081.113489352933	2930.43264652375	2853.0598595027252	2853.0598595027252	77.7122296718625	77.7122296718625
530	167	123370	-21801.14133	901957.3170250766	36.35198263340001	-100.3076022	33831.27899378037	3547.956506993988	3082.03698232244	2929.014326534569	2854.347402430027	2854.347402430027	74.8116862096639	74.8116862096639
531	167	123371	-21141.14133	901957.3170250766	36.35198409901113	-100.30741684	33851.8312892056	3547.956506993988	3081.400485856526	2927.584654801136	2855.994112675406	2856.0615268746622	71.5905214707933	71.5905214707933
532	167	123372	-20481.14133	901957.3170250766	36.35198511919886	-100.3071836	33871.43187362625	3547.956506993988	3079.1328506118579	2926.145170698511	2856.61407163893	2856.900557919124	69.1523102156993	69.1523102156993
533	167	123373	-19821.14133	901957.3170250766	36.35198685760328	-100.3069938	33891.8548776107	3547.956506993988	3077.1856183516056	2924.68039784023	2858.392948	2858.392948	67.090013296322	67.090013296322
534	167	123374	-19161.14133	901957.3170250766	36.35198826550326	-100.3067179	33911.85871033055	3547.956506993988	3075.055838604646	2923.705754005602	2849.339127182701	2849.339127182701	64.833075785939	64.833075785939
535	167	123375	-18501.14133	901957.3170250766	36.35198951227197	-100.3064881	33931.9378345593	3547.956506993988	3073.452980482043	2921.7390393737	2848.13210908723	2848.09403686575	62.7644103686575	62.7644103686575
536	167	123376	-17841.14133	901957.3170250766	36.3519907521265	-100.3062053	33951.925815624	3547.956506993988	3072.369401544677	2920.20019572381	2839.440174571757	2839.440174571757	60.8623554654523	60.8623554654523
537	167	123377	-17181.14133	901957.3170250766	36.35199198495973	-100.3059721	33971.92607414965	3547.956506993988	3071.748921267098	2919.402543511041	2837.734430354232	2837.734430354232	58.828164009346	58.828164009346
538	167	123378	-16521.14133	901957.3170250766	36.3519930900274	-100.3057897	33992.960730674	3547.956506993988	3070.20226366817	2917.1045791271254	2831.303974222964	2831.303974222964	56.8005970491902	56.8005970491902
539	167	123379	-15861.14133	901957.3170250766	36.3519944534388	-100.3055088	34012.991481174	3547.956506993988	3069.04203735937	2915.518348231505	2827.6824677240106	2827.6824677240106	54.816713240768	54.816713240768
540	167	123380	-15201.14133	901957.3170250766	36.3519959454647	-100.3053174	34032.0130126543	3547.956506993988	3067.838319135	2913.9029014308485	2824.258432183297	2824.258432183297	52.8440521251876	52.8440521251876
541	167	123381	-14541.14133	901957.3170250766	36.351996280292084	-100.3050842	34052.0436	3547.956506993988	3066.5838462664	2912.25820724195	2821.306584510176	2821.306584510176	50.848977622352	50.848977622352
542	167	123382	-13881.14133	901957.3170250766	36.35199725	-100.3048084	34072.0558819949	3547.956506993988	3065.3315341673	2910.57125495966	2818.5402740383487	2818.5402740383487	48.82018206	48.82018206
543	167	123383	-13221.14133	901957.3170250766	36.35199817579973	-100.3045876	34092.077879371	3547.956506993988	3064.34781267098	2909.548167206988	2816.9657604099	2816.9657604099	46.828164009346	46.828164009346
544	167	123384	-12561.14133	901957.3170250766	36.35199911984959	-100.3043427	34112.991481174	3547.956506993988	3063.245843511041	2908.72974430357	2813.79140251903	2813.79140251903	44.82018206	44.82018206
545	167	123385	-11901.14133	901957.3170250766	36.3519998105825	-100.3041509	341328.118989477	3547.956506993988	3062.895452550347	2905.2579962168556	2811.65046166959	2811.65046166959	42.816713240768	42.816713240768
546	167	123386	-11241.14133	901957.3170250766	36.3520008109369	-100.30391771	341528.136863339	3547.956506993988	3061.9684472691973	2903.38737128436	2810.256934307374	2810.256934307374	40.82018206	40.82018206
547	167	123387	-10581.14133	901957.3170250766	36.35200142060676	-100.3036843	341730.1602231593	3547.956506993988	3060.245843511041	2901.46509587875	2809.55297767149	2809.55297767149	38.82018206	38.82018206
548	167	123388	-9921.14133	901957.3170250766	36.35200212597742	-100.30345114	341931.180690315	3547.956506993988	3059.600613012364	2899.481456500337	2809.254394597764	2809.254394597764	36.82018206	36.82018206
549	167	123389	-9261.14133	901957.3170250766	36.35200270825568	-100.30321796	34212.0008416281	3547.956506993988	3058.9911124085	2898.49112240363	2808.75911240363	2808.75911240363	34.82018206	34.82018206
550	167	123390	-8601.14133	901957.3170250766	36.352003301156	-100.3029815	34232.02097075	3547.956506993988	3057.94283191105	2895.402543511041	2807.740251903	2807.740251903	32.82018206	32.82018206
551	167	123391	-7941.14133	901957.3170250766	36.352003950336	-100.3027513	34252.043648959	3547.956506993988	3056.34638909363	2893.29964312536	2806.25280931839	2806.25280931839	30.82018206	30.82018206
552	167	123392	-7281.14133	901957.3170250766	36.35200447499611	-100.30251802	34273.506199754	3547.956506993988	3055.82287177466	2891.166505233626	2804.939037959183	2804.939037959183	28.82018206	28.82018206
553	167	123393	-6621.14133	901957.3170250766	36.35200495	-100.30228473	34296.2802402377	3547.956506993988	3054.85507787977	2889.09565315382	2803.855107347283	2803.855107347283	26.82018206	26.82018206
554	167	123394	-5961.14133	901957.3170250766	36.35200537913701	-100.30205145	343137.299707059	3547.956506993988	3053.863441049135	2886.836441049135	2802.852612763064	2802.852612763064	24.82018206	24.82018206
555	167	123395	-5301.14133	901957.3170250766	36.35200676304936	-100.3018187	343338.319023185	3547.956506993988	3052.81376877446	2884.63254626553	2801.6331725425102	2801.6331725425102	22.82018206	22.82018206
556	167	123396	-4641.14133	901957.3170250766	36.35200610301643	-100.3015849	343539.331854506	3547.956506993988	3051.74461589915	2882.474531134213	2800.45652545417	2800.45652545417	20.82018206	20.82018206
557	167	123397	-3981.14133	901957.3170250766	36.3520064665217	-100.3013581	34374.03413761	3547.956506993988	3050.691124085	2880.740251903	2799.196271597	2799.196271597	18.82018206	18.82018206
558	167	123398	-3321.14133	901957.3170250766	36.3520068656447	-100.3011384	34412.394765428	3547.956506993988	3049.600613012364	2876.027840920778	2796.376095	2796.376095	16.82018206	16.82018206
559	167	123399	-2661.14133	901957.3170250766	36.3520071003832	-100.30095176	344343.4132214355	3547.956506993988	3048.5250406	2873.830713365426	2793.319178114017	2793		

ix	iy	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BRElevLogsKrg	BRElevBothKrg	SatHtLogs	SatHtBoth	
641	167	123481	54585.8586730335	901957.3170250766	-00.35187025003384	-00.16175593	360625.4329200985	43570.7285002671	2888.989497204131	270.71517184900911	2653.887466892565	2669.364411971625	56.827325159745214	41.36875989737676
642	167	123482	52118.8586730335	901957.3170250766	-00.35186671400543	-00.16152268	360628.4397671029	43570.65863286875	2891.6200624430378	270.7407433963308	2651.2908812428727	2699.664771	56.827325159745214	40.03927132605017
643	167	123483	52788.8586730335	901957.3170250766	-00.3518633074488	-00.16128936	361027.4464789027	43570.6437681927	2893.6148625724213	270.781325487676	2648.5131988796867	2637.877551842138	56.827325159745214	40.03927132605017
644	167	123484	53438.8586730335	901957.3170250766	-00.3518595070221	-00.16105608	361228.4530568165	43570.68088	2889.65485257594	270.756833016746	2645.805785206764	2659.8580581648594	56.827325159745214	40.03927132605017
645	167	123485	54098.8586730335	901957.3170250766	-00.351858584	-00.1608228	361429.45960073074	43570.6589	2887.46785532074	270.70649632300354	2642.705792533557	2657.857576011455	56.827325159745214	40.03927132605017
646	167	123486	54758.8586730335	901957.3170250766	-00.3518521967047	-00.16058952	361630.4586109587	43570.6210961073	2885.280553189534	270.7051862526376	2639.8754623475083	2655.483193296178	56.827325159745214	40.03927132605017
647	167	123487	55418.8586730335	901957.3170250766	-00.3518483584114	-00.16036264	361831.4719877038	43570.6442921987	2882.284775	270.70387406998947	2637.085441413897	2657.3496441975167	56.827325159745214	40.03927132605017
648	167	123488	56078.8586730335	901957.3170250766	-00.3518455200332	-00.16012296	362032.478031711784	43570.6434990458	2878.371615166013	270.702547289144754	2634.302016715062	2655.312937702585	56.827325159745214	40.03927132605017
649	167	123489	56788.8586730335	901957.3170250766	-00.351840718407	-00.15988968	362233.48394128713	43570.6437	2871.171325487676	2631.583079672625	2658.480251206245	2659.8580581648594	56.827325159745214	40.03927132605017
650	167	123490	57398.8586730335	901957.3170250766	-00.3518362456179	-00.15965564	362434.4897190955	43570.36159149602	2869.77162595837	2629.77715055836	2628.87437172404	2659.8580581648594	56.827325159745214	40.03927132605017
651	167	123491	58058.8586730335	901957.3170250766	-00.35183286	-00.15942312	362635.4953639004	43570.3921737187	2865.59845667742	2628.367980041248	2626.6503654530404	2652.953628408192	56.827325159745214	40.03927132605017
652	167	123492	58718.8586730335	901957.3170250766	-00.35182867618495	-00.15918983	362836.5066763866	43570.2984473436	2859.434200781434	2626.94220087014	2625.281080114688	2644.3217568034024	56.827325159745214	40.03927132605017
653	167	123493	59378.8586730335	901957.3170250766	-00.351824455341	-00.15895655	363037.5002562554	43570.294730334	2853.277863746534	2626.5250320403057	2624.467098985806	2638.52762524905	56.827325159745214	40.03927132605017
654	167	123494	60038.8586730335	901957.3170250766	-00.351820765892	-00.15873227	363238.511504298	43570.210526883	2847.117523289305	2624.077022482134	2625.494354027843	2633.66721568386	56.827325159745214	40.03927132605017
655	167	123495	60698.8586730335	901957.3170250766	-00.35181665	-00.1584899	363439.51620699524	43570.7012	2845.44659228513	2622.686888	2627.371684141208	2633.66721568386	56.827325159745214	40.03927132605017
656	167	123496	61358.8586730335	901957.3170250766	-00.3518124720965	-00.1582571	363640.512552226	43570.10337	2843.26210581157	2621.239857855133	2620.66024113396	2635.6335815213906	56.827325159745214	40.03927132605017
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658	167	123498	62678.8586730335	901957.3170250766	-00.35180401046509	-00.15779015	364042.531806847	43570.050467533	2835.1853010496186	2618.3841558574964	2623.2117501497114	2624.5335959167452	56.827325159745214	40.03927132605017
659	167	123499	63338.8586730335	901957.3170250766	-00.35179970846133	-00.15755687	364243.5337162593	43570.0170490895	2835.100499950983	2618.69536839147	2623.830426945914	2627.678319974905	56.827325159745214	40.03927132605017
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663	167	123503	65978.8586730335	901957.3170250766	-00.351782127244	-00.15669123	365047.526527876	43569.913725194	2833.347325194	2622.43825419504	2623.807491800614	2626.414299822196	56.827325159745214	40.03927132605017
664	167	123504	66638.8586730335	901957.3170250766	-00.35177752	-00.15649306	365248.5567818476	43569.9115410096	2832.654515953383	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
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667	167	123507	68618.8586730335	901957.3170250766	-00.35176376109771	-00.15589602	365851.5678	43569.91875098	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
668	167	123508	69278.8586730335	901957.3170250766	-00.35175896267817	-00.15569474	366052.5717239415	43569.912488447	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
669	167	123509	69938.8586730335	901957.3170250766	-00.3517542096138	-00.15549134	366253.5745192927	43569.913281194	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
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674	167	123514	73238.8586730335	901957.3170250766	-00.35172977	-00.15449576	367258.58915923026	43569.913725194	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
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678	167	123518	75878.8586730335	901957.3170250766	-00.35170940815626	-00.15369434	368062.594778302	43569.913725194	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
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680	167	123520	77198.8586730335	901957.3170250766	-00.351699760922	-00.15329678	368464.6022781895	43569.91766396	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
681	167	123521	77858.8586730335	901957.3170250766	-00.35169536	-00.15309912	368665.6041384969	43569.913725194	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
682	167	123522	78518.8586730335	901957.3170250766	-00.35169092517	-00.15289742	368866.6057249737	43569.91766396	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
683	167	123523	79178.8586730335	901957.3170250766	-00.3516864951678	-00.1526991	369067.607280424	43569.913725194	2832.584814968866	2621.979395268731	2623.83954101577	2625.876746458708	56.827325159745214	40.03927132605017
684	167	123524	79838.8586730335	9019										

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SatThKts.ft	SatThBoth.ft
27	18	123607	-353781.1413	902617.3170250766	-102.0498986	237178.03657101264	4359760.423885341	3925.4198574969548	3731.6554362778487	3638.9235117064513	3638.9068166550674	37.92132457	92.7486196278237
28	18	123608	-353121.1413	902617.3170250766	-102.0473561	237379.1641062035	4359756.32732063	3922.14330224518	3628.509220625198	3626.501923261799	3626.127083202183	30.8572425	103.9621376031796
29	18	123609	-352661.1413	902617.3170250766	-102.0453037	237580.2919892034	4359752.21287117	3918.8692498948207	3624.514398449207	3620.5118378133228	3620.255140102534	38.1281401715972	108.18012507468732
30	18	123610	-351801.1413	902617.3170250766	-102.0428712	237781.1410309752	4359748.103421697	3916.590753254543	3726.934153525983	3620.533979294797	3621.451800918117	106.4005303436822	105.48273443278458
31	18	123611	-351411.1413	902617.3170250766	-102.0405387	237982.5466248634	4359743.049062553	3915.2734582147567	3723.346848979968	3623.732327903827	3625.798281144721	101.6142314761187	98.1481823527844
32	18	123612	-350841.1413	902617.3170250766	-102.0382062	238183.6732677438	4359739.884040165	3912.274595241415	3725.191253497353	3628.004784649453	3630.354394297034	93.3696910527092	93.3696910527092
33	18	123613	-349821.1413	902617.3170250766	-102.0358738	238384.7980072256	4359735.775944842	3908.821708110263	3727.156027690403	3632.241187625949	3632.241187625949	89.439389382364	89.439389382364
34	18	123614	-349161.1413	902617.3170250766	-102.0335413	238585.9260883985	4359731.667183498	3908.36746071811	3720.5627759135585	3635.681614274376	3631.1066327747718	84.8811343918248	84.8811343918248
35	18	123615	-348501.1413	902617.3170250766	-102.0312086	238787.0529619756	4359727.558621204	3908.759426821399	3718.97161841977	3638.2645874312454	3635.244367467789	80.10703141072863	80.10703141072863
36	18	123616	-347841.1413	902617.3170250766	-102.0287673	238988.1778725845	4359722.450257599	3904.922581253045	3717.382738293473	3639.774869599743	3637.47133067187	76.600835373406	102.63572475330468
37	18	123617	-347181.1413	902617.3170250766	-102.0265438	239189.3037661467	4359719.932	3889.2253667327713	3715.796820960837	3640.1761373550244	3612.542730930727	76.6200478051635	103.25458705110987
38	18	123618	-346521.1413	902617.3170250766	-102.0242114	239390.42862105369	4359712.234216412	3883.455551339239	3714.213000734422	3639.5312336177563	3614.501370817263	74.6817671168747	95.1146986
39	18	123619	-345861.1413	902617.3170250766	-102.0218789	239591.55360931327	4359711.126	3879.705620334873	3712.630903373232	3637.9402866626	3614.5069001402676	74.6568740570583	98.12400323
40	18	123620	-345201.1413	902617.3170250766	-102.0195464	239792.6783346007	4359707.01878987	3877.9667015015175	3711.050931448963	3638.1793376698394	3612.7830833255065	98.2674547505718	98.2674547505718
41	18	123621	-344541.1413	902617.3170250766	-102.0172139	239993.8026970814	4359703.911419602	3876.227781595478	3709.435626223237	3633.5227692176804	3612.7830833255065	97.890619870395	97.890619870395
42	18	123622	-343881.1413	902617.3170250766	-102.0148814	240194.9270324046	4359698.804470762	3874.4848292776578	3707.899612266697	3630.586963326304	3607.05494650316	77.309943140036	101.61271318114
43	18	123623	-343221.1413	902617.3170250766	-102.012549	240396.5904733027	4359694.697274961	3872.9280815289837	3706.329586162403	3627.368882277195	3604.930430895443	78.8427153368373	101.3915404285897
44	18	123624	-342561.1413	902617.3170250766	-102.0102165	240597.17467332752	4359690.590500922	3871.5453923740139	3704.764593104379	3624.0463510640625	3601.77929704096	82.224545431656	102.9852930568319
45	18	123625	-341901.1413	902617.3170250766	-102.007884	240798.29812016306	4359686.438428443	3870.126798820976	3703.2095111029916	3620.572706062312	3597.8701430428126	82.63600	103.358616717908
46	18	123626	-341241.1413	902617.3170250766	-102.0055515	240999.42130515692	4359682.377547174	3868.7801542567002	3701.655360840347	3616.932540864023	3594.2716883040424	82.23649	107.3873273624766
47	18	123627	-340581.1413	902617.3170250766	-102.003219	241200.5442331258	4359678.271369394	3867.0259643438656	3700.1155340433656	3613.176008501175	3592.173045376618	86.93952718906212	107.9424869654802
48	18	123628	-339921.1413	902617.3170250766	-102.000885	241401.6690543515	4359674.16591977	3866.002263205626	3698.590787260707	3608.012683400726	3592.33862862872	95.71403585906	105.2615650407848
49	18	123629	-339261.1413	902617.3170250766	-101.998554	241602.7898117173	4359670.12890178	3865.0545434	3692.244874844461	3607.011735249481	3591.03466	95.71403585906	105.2615650407848
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52	18	123632	-337281.1413	902617.3170250766	-101.9915565	242206.1550332934	4359663.74455504	3856.67803459012	3692.81266794895	3593.514241489169	3593.48215	95.29842652572597	99.3305182379022
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56	18	123636	-334641.1413	902617.3170250766	-101.982225	243010.639073735	4359641.324995234	3844.818395243003	3687.115908536206	3585.06486371943	3572.20730120482	101.0381666848752	115.7508423968024
57	18	123637	-333981.1413	902617.3170250766	-101.9800938	243211.75944726722	4359643.210561747	3840.1415325296958	3687.0831788718233	3584.1275716532273	3578.968498416855	102.95560721859001	110.482920459823
58	18	123638	-333321.1413	902617.3170250766	-101.9775614	243412.7658618323	4359633.616607086	3835.464675353691	3686.09818139225	3583.362137972719	3572.95219521305	102.71650166502	110.482920459823
59	18	123639	-332661.1413	902617.3170250766	-101.9752289	243613.9943033444	4359629.021761056	3830.594793	3685.099144793406	3582.647448	3587.4793903720105	97.6195688826671	109.4940135
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61	18	123641	-331341.1413	902617.3170250766	-101.9705638	244016.2358973742	4359620.80570147	3820.46897562049	3683.181301000415	3580.023359263027	3585.5775658128	102.71650166502	98.627324449432
62	18	123642	-330681.1413	902617.3170250766	-101.9682314	244217.3570272074	4359616.702519859	3815.40482645414	3682.24438291243	3578.7823305214405	3580.023359263027	95.71403585906	105.2615650407848
63	18	123643	-330021.1413	902617.3170250766	-101.9658989	244418.475823282	4359612.59861272	3815.03376582891	3681.24735782891	3578.40510639096	3582.97219289214	102.83772091891205	95.71403585906
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66	18	123646	-328041.1413	902617.3170250766	-101.9589013	245021.8313846617	4359600.29179436	3827.9836347261	3678.500777829403	3574.722774	3573.7005796201564	103.77800387263005	109.4940135
67	18	123647	-327381.1413	902617.3170250766	-101.9565688	245222.9492344797	4359598.190496379	3821.559311918977	3677.57429568016	3572.9448279888416	3567.739339358974	104.6294677917428	109.4940135
68	18	123648	-326721.1413	902617.3170250766	-101.9542362	245424.06659091282	4359592.8748708	3815.332804902494	3676.64748241304	3571.9381669576	3564.15018641650577	112.4973217749589	112.4973217749589
69	18	123649	-326061.1413	902617.3170250766	-101.9519037	245625.1873210572	4359590.7125258	3813.148823692037	3675.4784823692037	3570.8483082104	3561.4912019281355	104.6294677917428	112.4973217749589
70	18	123650	-325401.1413	902617.3170250766	-101.9495712	245826.3012267052	4359593.84046379	3810.061176180274	3674.78418555626	3565.913877593825	3559.107024503414	104.6294677917428	112.4973217749589
71	18	123651	-324741.1413	902617.3170250766	-101.9472387	246027.4180574437	4359597.78269494	3808.525293	3673.8420352458147	3563.602506246884	3557.4315278102645	112.4973217749589	112.4973217749589
72	18	123652	-324081.1413	902617.3170250766	-101.9449061	246228.5346368437	4359595.78143448	3806.731375605813	3672.886525	3561.829317412962	3555.79746626286	111.0572071154279	117.0890542650349
73	18	123653	-323421.1413	902617.3170250766	-101.9425736	246429.6509640235	4359591.580471384	3806.90158132783	3671.916383175813	3558.76104264069	3554.651157176351	113.10509367351205	117.0890542650349
74	18	123654	-322761.1413	902617.3170250766	-101.9402211	246630.7671414655	4359587.47969705	3801.06894060438	3670.9079233943785	3556.447565765729	3553.508731	114.460358182495	117.3981323286386
75	18	123655											

ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLgtsKrg.f	BRIEVLgtsKrg.f	SatHtKgs.f	SatHtKgs.f
143	158	12373	-270621.1413	902617.3170250766	39.350031907765334	-101.7559666	262518.1614410347	4399244.141346693	36992.6667879	3304.8561533274705	33609.76627605103	373.705978714921	114.17652576736752	128.14617519754938
154	168	12374	-269961.1413	902617.3170250766	39.35005036717529	-101.753634	262179.2580698825	4399240.056759275	3691.769477879944	3302.709680908915	3389.2345370374067	375.8330467744973	113.53691073459381	126.93792171591863
155	168	12375	-269901.1413	902617.3170250766	39.35008877086398	-101.753104	262620.5849812205	4399235.917609712	3692.553716413148	3308.242093967177	3373.83716413148	373.83716413148	114.17078118007618	127.018102481931
156	168	12376	-269841.1413	902617.3170250766	39.35008713455796	-101.748967	263121.7486783227	4399230.880707993	3690.1633302605466	3308.684337664885	3391.7650747584885	373.71136451701300	116.91965720165303	117.151276867191
157	168	12377	-267981.1413	902617.3170250766	39.35010545337597	-101.7466361	263322.5466313968	4399227.8062641095	3689.362343236337	3308.686996752874	3397.33461253126	3398.056646827658	119.9535342216121	98.62349876837129
158	168	12378	-267321.1413	902617.3170250766	39.350123277137515	-101.7443304	263532.6425306446	4399223.718480661	3691.747085346557	3401.832171	3402.898475396558	92.9858141495711	91.8259307060137	101.7528691141
159	168	12379	-266661.1413	902617.3170250766	39.35014195884254	-101.7419708	263724.73783827164	4399219.634509335	3689.202898277044	3402.347024611941	3402.737889903304	90.45596646593224	88.070202867137	101.7528691141
160	168	12380	-266001.1413	902617.3170250766	39.35016013900026	-101.7396382	263925.8318346679	4399215.550727935	3691.1439752676	3400.915381933007	3404.444385273486	3408.586308556788	86.47099966510525	82.3290796351405
161	168	12381	-265341.1413	902617.3170250766	39.35017876918169	-101.7373055	264126.52620745254	4399211.467144793	3689.843251184576	3400.719151156253	3398.242093967177	373.83716413148	114.17078118007618	127.018102481931
162	168	12382	-264681.1413	902617.3170250766	39.35019637162712	-101.7349729	264328.022934546	4399207.38759993	3695.021464594901	3407.257344166532	3410.3426117423397	3416.404387407514	76.91473299419248	70.8540575901832
163	168	12383	-264021.1413	902617.3170250766	39.350214420105694	-101.7326402	264529.1175646885	4399203.300572889	3695.053969597055	3405.48774046651	3407.780576926836	3419.4472464068	77.07017914	66.040311528492
164	168	12384	-263361.1413	902617.3170250766	39.35022342	-101.7303076	264730.2118677215	4399199.15783773	3694.679424802225	3483.757338	3406.2577991745306	3420.6774468938367	77.49963838607917	63.0798267
165	168	12385	-262701.1413	902617.3170250766	39.350250381892764	-101.7279749	264931.30595549615	4399194.73492337	3693.80515	3402.05431388112	3405.404294873363	3411.825938179095	76.89260190077552	70.8287357020235
166	168	12386	-262041.1413	902617.3170250766	39.35026829520116	-101.7256423	265132.3998115398	4399191.052198673	3692.930875128372	3400.7320284556	3405.664523756589	3405.1302058315478	76.1471906797721	75.2804968411416
167	168	12387	-261381.1413	902617.3170250766	39.35028616345278	-101.723396	265333.49396500764	4399186.969802776	3692.950452126734	3480.789896416559	3406.67202593049	3405.911835325746	72.11694382	72.8770486481255
168	168	12388	-260721.1413	902617.3170250766	39.3503038964757	-101.720977	265534.58682790434	4399182.780740437	3691.789660194144	3407.19723362176	3406.002215132578	3405.11592852835	71.137017489165	72.08130512304122
169	168	12389	-260061.1413	902617.3170250766	39.350321784785484	-101.7186443	265735.6798868704	4399178.850564248	3691.302748240645	3475.6330635904017	3404.4532815245484	3403.58887197424216	71.1798205360233	72.0441916180017
170	168	12390	-259401.1413	902617.3170250766	39.35033497878652	-101.7163116	265936.7729810097	4399174.732106106	3690.85089624645	3474.0940562945234	3402.364893	3401.771289269257	71.72916346307329	72.38332736755092
171	168	12391	-258741.1413	902617.3170250766	39.35035718589061	-101.7131979	266137.8656162281	4399170.642196698	3689.333453369587	3472.577820383722	3406.361496970826	3398.633873697168	72.2163236628953	72.6394471365519
172	168	12392	-258081.1413	902617.3170250766	39.350374828857746	-101.7116463	266338.058834971	4399166.561	3686.76806225866	3471.0820663271193	3398.43692371193	3398.269404404656	72.8162619246312	72.8162619246312
173	168	12393	-257421.1413	902617.3170250766	39.35039242676787	-101.7093137	266540.0503	4399162.47988064	3684.20263980814	3469.06467807874	3396.73763219377	3398.61325713073	72.7941059880752	72.7941059880752
174	168	12394	-256761.1413	902617.3170250766	39.3504097962099	-101.70691	266741.142250125	4399158.96856325	3683.951905027414	3468.0437085319275	3394.015655417817	3394.05710105045	74.1286531141053	74.08996486287529
175	168	12395	-256101.1413	902617.3170250766	39.350427175494284	-101.704517	266949.040169884	4399154.717549284	3682.943210768984	3466.897595358254	3392.73763219377	3392.73763219377	75.727053	75.727053
176	168	12396	-255441.1413	902617.3170250766	39.35044495015598	-101.7023157	267143.32564719625	4399150.237137961	3678.3257433115677	3465.264593553345	3391.221124	3391.227786021735464	73.9918073369363	73.9918073369363
177	168	12397	-254781.1413	902617.3170250766	39.35046236783779	-101.699983	267344.610628051	4399146.15671922	3676.97325978063	3463.63165286903	3390.886751894997	3391.1693738218205	72.9566463	72.9566463
178	168	12398	-254121.1413	902617.3170250766	39.3504794045245	-101.6976503	267545.580048968	4399142.076	3675.620728642015	3462.4313966382956	3391.1797512554836	3391.932602386059	71.251645382106	70.4967945223662
179	168	12399	-253461.1413	902617.3170250766	39.35049707	-101.6953177	267746.598905076	4399137.996475095	3673.002738753684	3461.027318785674	3385.51972642311	3385.952763349877	70.59176243618	70.59176243618
180	168	12400	-252801.1413	902617.3170250766	39.35051435054014	-101.692985	267947.6895321538	4399133.91664993	3668.118507	3460.3311484119437	3380.29119079944	3380.636033278623	73.398294039455	73.398294039455
181	168	12401	-252141.1413	902617.3170250766	39.35053163799312	-101.6906325	268148.7681734301	4399129.783721556	3668.293587021556	3458.249826241301	3374.671683851168	3383.84847132464	74.8384847132464	74.8384847132464
182	168	12402	-251481.1413	902617.3170250766	39.35054979033879	-101.6883127	268349.757919275	4399125.757919275	3667.92541911272	3448.7861581191272	3372.954902189364	3380.9502189364	75.95897057719	75.95897057719
183	168	12403	-250821.1413	902617.3170250766	39.35056592772713	-101.685987	268550.960396033	4399121.67385842	3665.2230147282635	3455.482985860007	3372.876766	3372.8782582319435	82.6116280819676	82.6116280819676
184	168	12404	-250161.1413	902617.3170250766	39.35058303000812	-101.6836453	268752.0498	4399117.59932358	3664.122591029038	3454.122587903855	3373.73313586001	3373.664497458083	80.3892252034873	80.45804133
185	168	12405	-249501.1413	902617.3170250766	39.350600087231705	-101.6813217	268953.13923514273	4399113.520486296	3648.4880254575	3452.7655173689122	3374.56134871274	3374.68718435385	78.2041735	78.078330320732
186	168	12406	-248841.1413	902617.3170250766	39.3506170939789	-101.678989	269154.224949071	4399109.41846571	3644.109738219494	3451.4213978158778	3374.3247111348855	3374.6053134056	76.0966868	76.0966868
187	168	12407	-248181.1413	902617.3170250766	39.35063406560588	-101.6766563	269355.1571839176	4399105.36304403	3641.724574309049	3450.089226290206	3373.6027074362047	3373.361689	75.95897057719	75.95897057719
188	168	12408	-247521.1413	902617.3170250766	39.35065163799312	-101.674326	269546.405140239	4399101.2515989	3640.925541911272	3448.7861581191272	3372.954902189364	3380.9502189364	75.95897057719	75.95897057719
189	168	12409	-246861.1413	902617.3170250766	39.350667855515	-101.671981	269757.49489809276	4399097.207113082	3640.925541911272	3448.7861581191272	3372.954902189364	3380.9502189364	75.95897057719	75.95897057719
190	168	12410	-246201.1413	902617.3170250766	39.35068467948764	-101.6696583	269958.5833234104	4399093.129	3640.526877117677	3446.1850440190296	3371.133806355603	3371.957418	75.0512376342649	74.227264060492
191	168	12411	-245541.1413	902617.3170250766	39.35070148436621	-101.6673256	270159.671354508	4399089.051612094	3638.768070849167	3444.971264239156	3367.35019212324	3367.754107379122	77.2171604607305	77.2171604607305
192	168	12412	-244881.1413	902617.3170250766	39.3507182618716	-101.6649829	270360.7596402547	4399084.974157081	3635.927605007164	3443.7822580873977	3364.271696336377	3364.271696336377	75.05106241	75.05106241
193	168	12413	-244221.1413	902617.3170250766	39.35073492250444	-101.6626802	270561.848910277	4399080.89801422	3632.99401066565	3442.607639081327	3362.22953366134	3362.91391	80.3780157458284	80.216088757681
194	168	12414	-243561.1413	902617.3170250766	39.35075174650044	-101.6603276	270762.3459431981	4399076.91842471	3630.91397125117	3441.466025040053	3360.945024900117	3361.1054207247345	80.50148824204582	80.341088997768
195	168	12415	-242901.1413	902617.3170250766	39.35076851783084	-101.658034	270963.46161347	4399072.716891963	3628.963296032704	3439.72168983218	3359.72168983218	3359.72168983218	81.7454554896928	81.7454554896928
196	168	12416	-242241.1413	902617.3170250766	39.35078531783084	-101.6556622	271165.10854747635	4399068.66	3626.73350147992	3399.16404377721	3359.566915	3359.566915	79.7598973277248	79.7598973277248
197	168	12417	-241581.1413	902617.3170250766	39.350801259426476	-101.6533295	271366.1953077929	4399064.58959006	3628.82902413692	3438				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevBoth.ft
278	128389	-187461.1413	902617.3170250766	39.352002280650034	-101.4624059	278645.56088218536	43587.3091156559	3478.637260579826	3320.631483696259	3522.068852600151	3258.2731227303966	78.5626311	72.3583606986218	
280	128388	-186801.1413	902617.3170250766	39.3520155729548	-101.4597132	278805.6297155831	43587.7631060748	3477.640270510333	3329.253015728296	3251.0130453193365	3260.8990044100765	78.237265349811	68.3513016274909	
281	128387	-186241.1413	902617.3170250766	39.35202778886081	-101.4573004	288265.6982412189	43587.7221811658	3478.646826569425	3327.9498704989487	3250.0842591887905	3278.8847101982073	64.5881100898526	64.5881100898526	
282	128362	-185481.1413	902617.3170250766	39.352004475378968	-101.4550476	288457.76655089584	43587.6511485975	3475.653370559342	3326.20105943865	3249.4304716620087	3278.9864202352447	77.28963426178416	61.12168570620134	
283	128363	-184821.1413	902617.3170250766	39.35205311683101	-101.4527149	288688.6346668277	43587.7419542694	3473.60315544053913	3325.551860109291	3248.8874581830999	3265.3654385389347	76.66440191529182	60.18640624994214	
284	128364	-184161.1413	902617.3170250766	39.35200571322586	-101.4503821	288859.9025676096	43587.6519626642	3470.487792456021	3324.435539353196	3248.6737544005346	3264.2764252386617	76.6741955208649	61.5091285208649	
285	128365	-183501.1413	902617.3170250766	39.35207826546064	-101.4480493	289067.9702065097	43587.6063335326	3467.3751980458415	3323.266155544699	3248.7636143010113	3262.6421421282751	74.5990012536877	60.78183427194805	
286	128366	-182841.1413	902617.3170250766	39.352009778063484	-101.4457166	289622.0374617573	43587.6254620915	3464.2626184451172	3322.356892180857	3248.186991109333	3261.5096560310336	73.1389981078258	61.80614341705208	
287	128367	-182181.1413	902617.3170250766	39.352010322404897	-101.4433388	289663.1050240587	43587.6519803378	3461.574552572287	3320.2884719637155	3248.7417814262791	3260.542906989728	73.8431835620021	62.76414143886838	
288	128368	-181521.1413	902617.3170250766	39.35211564820896	-101.441051	289894.1271953307	43589.044738064	3459.31123525617	3319.353788395097	3250.982339850997	3257.242307740704	73.8743739824074	63.09350460777867	
289	128369	-180861.1413	902617.3170250766	39.352128019302455	-101.4387183	289895.23905946733	43589.690365867	3457.0476597163574	3319.379071601551	3251.0962116558235	3253.1078684822328	73.82825939457252	62.2712031331877	
290	128370	-180201.1413	902617.3170250766	39.35214034335064	-101.4363855	290066.3057168843	43589.640329999	3454.784191273058	3318.4477914329022	3247.680810125346	3248.484541053996	70.7671617055561	69.9634308	
291	128371	-179541.1413	902617.3170250766	39.352152626304426	-101.4340527	290267.372167932	43589.622899978	3453.341128173958	3317.5393927622504	3243.64025761402	3244.3085979514266	73.7899070008454	69.4214081082373	
292	128372	-178881.1413	902617.3170250766	39.3521648222086	-101.4317199	290468.4384123996	43589.672256487	3452.718942775036	3316.65313967527	3239.935875050862	3240.4537538825874	76.71773546	76.19980048494925	
293	128373	-178221.1413	902617.3170250766	39.35217705307286	-101.4293872	290698.504504909	43589.6716730021	3452.05929757914	3315.7869448602196	3238.6919719497336	3237.0902731861755	79.09503151048602	76.896717227354049	
294	128374	-177561.1413	902617.3170250766	39.3521891988645	-101.427054	290870.570203319	43589.7013019378	3451.47425224007	3314.87370303047	3233.782892312463	3234.037057816877	81.1544003980059	80.0023251316971	
295	128375	-176901.1413	902617.3170250766	39.35220129959562	-101.4247216	291071.63591044676	43589.6603524758	3451.088267755319	3314.1020852809856	3231.363617347349	3231.515508828512	82.7384679336346	82.58657836957813	
296	128376	-176241.1413	902617.3170250766	39.35221385526629	-101.4223888	291272.7013	43589.6619963101	3450.941643801367	3313.278810336362	3229.333741	3229.447701841171	82.7384679336346	83.83110618	
297	128377	-175581.1413	902617.3170250766	39.35222536587645	-101.4200651	291473.7665480585	43589.6739552287	3450.7845818518754	3312.464059324913	3227.665405204859	3227.665405204859	84.76921493168038	84.76921493168038	
298	128378	-174921.1413	902617.3170250766	39.352237313142612	-101.4177233	291674.8315915386	43589.683289945	3450.64639501585	3311.6580067825985	3226.3317644	3226.655004949585	85.3263627965485	85.3263627965485	
299	128379	-174261.1413	902617.3170250766	39.352249529191523	-101.4153905	291875.896365383	43589.68427	3449.30302033985	3310.8540565661	3224.989278696562	3224.750792379186	86.5653789199556	86.10341408798719	
300	128380	-173601.1413	902617.3170250766	39.35226112734738	-101.4130577	292076.960695626	43589.674085292	3446.763954032685	3310.0496175372735	3223.962741488378	3223.2620857095676	87.26077860489561	86.7874318270586	
301	128381	-172941.1413	902617.3170250766	39.352273022404897	-101.4107288	292278.062405054	43589.6817428138	3444.2297072287	3309.2884719637155	3223.9498704989487	3223.9498704989487	87.26077860489561	86.7874318270586	
302	128382	-172281.1413	902617.3170250766	39.352284734019105	-101.4083922	292479.085956278	43589.6765787802	3441.685545711438	3308.421712569336	3302.1406890191925	3220.054962375458	88.210235014335	88.210235014335	
303	128383	-171621.1413	902617.3170250766	39.352296634255864	-101.4060594	292680.1535457447	43589.6730818978	3438.197112773752	3307.592633955328	3318.871002726032	3218.84510708798	88.7216316820014	88.7216316820014	
304	128384	-170961.1413	902617.3170250766	39.35230817845189	-101.4037266	292881.21730372295	43589.62549717313	3436.759365701	3306.750656390607	3317.2499140794833	3217.1831386194676	89.5675018959308	89.5675018959308	
305	128385	-170301.1413	902617.3170250766	39.35231982857729	-101.4013938	293082.2809120563	43589.598261215	3434.32168032668	3305.8938786852777	3315.8186729360714	3215.96231874244	90.07502574920636	89.5675018959308	
306	128386	-169641.1413	902617.3170250766	39.352331433641996	-101.399061	293283.3428997894	43589.6147363762	3431.889641535227	3305.0717192903267	3314.710332	3214.7715677284745	90.30738743340504	90.26036230102589	
307	128387	-168981.1413	902617.3170250766	39.352342265177177	-101.396387	293489.4440147827	43589.58173628972	3428.78409723551	3304.1198719877205	3313.848445524262	3213.7897037892122	90.30738743340504	90.26036230102589	
308	128388	-168321.1413	902617.3170250766	39.352353744654736	-101.394356	293695.4704634314	43589.5513297091	3426.102190905868	3303.204733170911	3313.535497	3213.535271724428	90.30738743340504	90.26036230102589	
309	128389	-167661.1413	902617.3170250766	39.352365978471674	-101.3920267	293886.53320519964	43589.5273008814	3421.2596119709942	3302.2518986784057	3314.043399714287	3213.870263539098	90.26036230102589	90.26036230102589	
310	128390	-167001.1413	902617.3170250766	39.35237740329334	-101.3897299	294087.5957714502	43589.60519712235	3417.49741471073235	3301.278859773734	3314.67094073402	3213.456055559606	90.26036230102589	90.26036230102589	
311	128391	-166341.1413	902617.3170250766	39.35238873054226	-101.3873971	294288.6581329635	43589.5617522341	3414.24664248725	3300.25322324963	3315.561240038615	3213.39829920654	90.26036230102589	90.26036230102589	
312	128392	-165681.1413	902617.3170250766	39.35240011775426	-101.3850643	294489.7200549966	43589.597112	3411.495362242222	3299.250042050333	3316.705423102292	3216.312503293073	90.26036230102589	90.26036230102589	
313	128393	-165021.1413	902617.3170250766	39.35241143735491	-101.3827215	294690.7822595664	43589.6085223292	3408.748000519693	3298.19372951516	3317.802332302672	3217.335853624723	90.26036230102589	90.26036230102589	
314	128394	-164361.1413	902617.3170250766	39.35242265177177	-101.380387	294891.8440147827	43589.60147046703	3406.0075783714	3297.10725076428	3316.911725076428	3216.911725076428	90.26036230102589	90.26036230102589	
315	128395	-163701.1413	902617.3170250766	39.352434083148918	-101.3780659	295025.9055707805	43589.5815709305	3403.287403092686	3296.02131770911	3318.831173791564	3216.911725076428	90.26036230102589	90.26036230102589	
316	128396	-163041.1413	902617.3170250766	39.3524450594571	-101.3757331	295253.968256273	43589.580969738	3399.38065144427	3294.867364069074	3320.49322557568	3219.8213814552095	90.26036230102589	90.26036230102589	
317	128397	-162381.1413	902617.3170250766	39.35245651534126	-101.3734004	295495.0281	43589.57845880312	3396.387507340427	3293.7092788102376	3320.506881386105	3219.8213814552095	90.26036230102589	90.26036230102589	
318	128398	-161721.1413	902617.3170250766	39.352467179675884	-101.3710676	295696.0890322031	43589.5729364722	3393.198576226235	3292.53100341512	3319.904584108187	3219.567213136572	90.26036230102589	90.26036230102589	
319	128399	-161061.1413	902617.3170250766	39.35247819894963	-101.3687348	295897.1484721945	43589.56871	3389.149551092968	3291.3311591727467	3318.133414815851	3219.567213136572	90.26036230102589	90.26036230102589	
320	128390	-160401.1413	902617.3170250766	39.35248917316215	-101.366402	296086.210355823	43589.5648861805	3386.174395036813	3290.07671121593	3317.980195802296	3217.786033269427	90.26036230102589	90.26036230102589	
321	128391	-159741.1413	902617.3170250766	39.352500173231778	-101.364078	296278.2968794	43589.560968964	3383.219823681224	3288.94132511996	3317.826044198645	3217.786033269427	90.26036230102589	90.26036230102589	
322	128392	-159081.1413	902617.3170250766	39.3525109664034	-101.3617364	296500.3383776245	43589.5564875753	3380.274030291263	3287.540533128425	3315.956983986058	3215.251974	90.26036230102589	90.26036230102589	
323	128393	-158421.1413	902617.3170250766	39.352521825433875	-101.3594036	296701.390788705	43589.5543122519	3377.768019050025	3286.24323747746	3316.041945788394	3214.113116903757	90.26036230102589	90.26036230102589	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElevBoth.Kg.f	SatHtElev.f	SatHtBoth.f
406	18	123985	-104301.1413	902617.3170250766	39.35325728126437	-101.1681122	31187.6461387034	43582.2097297239	3243.1272601322353	3066.85340368769767	3032.7432465488596	3031.87151397267	64.1104832811716	64.9819147907963
406	18	123986	-103641.1413	902617.3170250766	39.35324380161897	-101.1657794	31338.6902103711	43581.611952436	3240.9726517840536	3064.060209884277	3026.6476054343143	3026.000951612933	64.412420241332	68.0590549454086
407	18	123987	-102981.1413	902617.3170250766	39.35327163396962	-101.1634496	31369.7241	43582.1269802763	3239.88149268148	3091.293812772687	3020.261848144287	3019.7689584144287	71.0286783983332	71.5286783983332
408	18	123988	-102321.1413	902617.3170250766	39.35327464726942	-101.1611317	31377.77055675	43582.06186194515	3238.8763602245813	3084.5717402861753	3014.0665222448824	3013.7026086129676	74.50521804183609	74.78967222454049
408	18	123989	-101661.1413	902617.3170250766	39.35328540205684	-101.1587088	31391.821329707	43582.04210971983	3234.864325	3085.885768074844	3008.9756575790665	3008.846787471397	76.9091293957775	77.0390283246516
410	18	123990	-101001.1413	902617.3170250766	39.3532923512686	-101.156448	31412.8646718434	43582.0079235045	3232.851191600804	3083.24511761585	3006.9959599062	3004.59385101322	78.5481521625317	78.6475260626334
411	18	123991	-100341.1413	902617.3170250766	39.3532993819871176	-101.1541151	314393.9078203134	43581.961864829	3231.464402506774	3080.6420131323084	3001.239930213374	3001.1755444606406	80.4920281893441	79.4664887166778
412	18	123992	-99681.1413	902617.3170250766	39.353303603	-101.1517823	314584.9501620044	43581.9273959092	3230.701785	3078.089685052154	2999.22766992704	2999.22663837582	78.862015121207	79.0551987
413	18	123993	-99021.1413	902617.3170250766	39.35331281053683	-101.148484	314785.9630726857	43581.8689021241	3228.93946653026	3076.5851984104124	2998.938253030935	2998.931381451819	78.84784941019385	76.83336825894309
414	18	123994	-98361.1413	902617.3170250766	39.353331549091054	-101.147116	314987.0322332704	43581.8456232404	3227.1564963514	3075.133956506613	3000.230332723687	2999.805469043162	79.903217273689	73.25341169612966
415	18	123995	-97701.1413	902617.3170250766	39.3533264425263	-101.1447838	315158.078658043	43581.802661153	3221.386868989407	3070.375193310772	3004.739974326158	3005.920500491917	65.8192759587071	65.8192759587071
416	18	123996	-97041.1413	902617.3170250766	39.35332389700088	-101.1424509	315399.1210118434	43581.76589272897	3236.5701263501315	3068.394182104347	3011.72739021551	3012.23601372761	55.5758073158577	55.5758073158577
417	18	123997	-96381.1413	902617.3170250766	39.35333949391018	-101.1401181	315600.1631	43581.72508415504	3236.1068805537	3010.257883914139	3010.257883914139	3010.257883914139	54.5691840277801	54.5691840277801
418	18	123998	-95721.1413	902617.3170250766	39.3533465205684	-101.1377852	315801.204977834	43581.6852308794	3236.93464288085	3063.883025435577	3007.094651151985	3008.43214567587	55.8507997597005	55.8507997597005
419	18	123999	-95081.1413	902617.3170250766	39.353352955140874	-101.1354524	316002.2469937704	43581.64409289211	3236.1712567162303	3063.82799595895	3007.884638370517	3007.884638370517	57.8848671235546	57.8848671235546
420	18	124000	-94401.1413	902617.3170250766	39.35335903152714	-101.1331195	316203.2882228076	43581.6045786612	3231.071752	3059.956086343303	3000.418954012563	3000.418954012563	58.6600223303208	58.6600223303208
421	18	124001	-93741.1413	902617.3170250766	39.35336545612089	-101.1307787	316404.3296756745	43581.5642529923	3226.110351610565	3057.829655880546	2997.329759	2997.703516	60.1998649306468	59.82613962
422	18	124002	-93081.1413	902617.3170250766	39.353371834016876	-101.1284538	316605.3707	43581.5273907625	3235.143183	3055.516823346935	2994.919513209955	2995.150750840047	60.36607253028875	60.36607253028875
423	18	124003	-92421.1413	902617.3170250766	39.35337816685011	-101.126121	316806.4172428466	43581.48310252495	3231.938183395967	3053.561522831945	2993.744604473683	2993.744604473683	60.0662240369536	60.0662240369536
424	18	124004	-91761.1413	902617.3170250766	39.353384464620745	-101.1237881	317007.455267221	43581.4435292424	3232.484352948314	3051.6453684052953	2993.061130725563	2993.214461008034	58.845283543902	58.84528371252194
425	18	124005	-91101.1413	902617.3170250766	39.3533908732857	-101.1214552	317208.4931921562	43581.4029780835	3245.05251906662	3049.77913718652	2993.30921486144	2993.4850483557743	56.4697922580204	56.4697922580204
426	18	124006	-90441.1413	902617.3170250766	39.3533968497367	-101.1191224	317408.534878974	43581.3612618024	3241.609609130095	3047.56617117728	2993.844535831793	2993.844535831793	54.1162188950516	53.9458910113531
427	18	124007	-89781.1413	902617.3170250766	39.35341792475563	-101.1167895	317610.8118265007	43581.324619347814	3242.174368105614	3045.73468105614	2993.71024241303	2993.71024241303	48.4346455025416	48.4346455025416
428	18	124008	-89121.1413	902617.3170250766	39.353409155075646	-101.1145657	317811.614025478	43581.2820311908	3236.72739454764	3044.428758	2995.02358950245	2995.1711891262603	49.051640832747	49.052568325943
429	18	124009	-88461.1413	902617.3170250766	39.35341521753246	-101.1121238	318002.6539474117	43581.241731071083	3234.685146252954	3042.7203506832475	2995.442632249458	2995.6327745375185	47.0878911281601	47.0878911281601
430	18	124010	-87801.1413	902617.3170250766	39.35342123	-101.109791	318213.6939413166	43581.2014240064	3232.6118945624624	3041.046298445784	2995.8223621481247	2995.1261674871957	45.2239632765943	44.9201308858467
431	18	124011	-87141.1413	902617.3170250766	39.35342720275776	-101.1074581	318414.732371446	43581.171197663	3230.21708051519	3039.405844005582	2995.606165308121	2995.978491238811	43.4274527177129	43.4274527177129
432	18	124012	-86481.1413	902617.3170250766	39.35343315242621	-101.1051253	318615.724528289	43581.121082	3227.047866601238	3037.798951484841	2993.21847630988	2993.269054302206	44.5802051625546	44.5802051625546
433	18	124013	-85821.1413	902617.3170250766	39.35343961671813	-101.102879	318816.6118560711	43581.08185195	3227.002727276	3037.142778805158	2993.298948353533	2993.3888175977468	45.14486848698714	45.14486848698714
434	18	124014	-85161.1413	902617.3170250766	39.353445317645	-101.1004596	319017.8504357845	43581.04190297958	3222.007149371324	3034.68425432287	2993.358425463193	2993.458425463193	46.0172477090585	46.0172477090585
435	18	124015	-84501.1413	902617.3170250766	39.35345054955474	-101.0981267	319128.8897463615	43580.99132136045	3033.177624174536	3036.344953105414	2995.367573376275	2995.4832671023969	47.2096487118904	47.2096487118904
436	18	124016	-83841.1413	902617.3170250766	39.3534563927166	-101.0957399	319419.824628644	43580.95462675	3218.96341408203	3031.700840689473	2994.075121465876	2994.628532407151	47.88254958138696	47.88254958138696
437	18	124017	-83181.1413	902617.3170250766	39.3534620482591	-101.093461	319622.066929661	43580.913330637	3217.850083937734	3027.25700983471	2992.4890896016573	2992.208206810675	47.768811381832	48.0496401729326
438	18	124018	-82521.1413	902617.3170250766	39.3534775181726	-101.0911281	319822.005256708	43580.87430311226	3218.73652303374	3028.850437577384	2990.84430371369	2990.84430371369	48.2983916	48.2983916
439	18	124019	-81861.1413	902617.3170250766	39.3534733635457	-101.088793	320023.043076195	43580.8347547489	3217.346255851964	3027.48009	2997.971979	2997.783731382154	48.5981066438018	48.5981066438018
440	18	124020	-81201.1413	902617.3170250766	39.35347920411335	-101.0864264	320244.801534781	43580.794534193	3217.142778805158	3027.142778805158	2997.783731382154	2997.783731382154	49.051640832747	49.051640832747
441	18	124021	-80541.1413	902617.3170250766	39.3534854211401	-101.0841296	320425.119186257	43580.7518248997	3224.83722465246	3024.83722465246	2997.8184296816366	2997.8184296816366	49.8834597878802	49.8834597878802
442	18	124022	-79881.1413	902617.3170250766	39.353489928753774	-101.0817967	320626.1560850656	43580.7178950226	3224.345191	3022.562294537797	2997.426690070824	2997.426690070824	50.1566809991208	50.1566809991208
443	18	124023	-79221.1413	902617.3170250766	39.3534953033062	-101.0794639	320827.19425103874	43580.671849098	3222.515863022594	3026.319617980623	2997.29936915077	2997.29936915077	50.962450491206	50.962450491206
444	18	124024	-78561.1413	902617.3170250766	39.35350074684524	-101.077131	321028.231527367	43580.637304358	3225.094134	3021.09566874383	2997.179027417115	2997.179027417115	51.4403326	51.4403326
445	18	124025	-77901.1413	902617.3170250766	39.35350608295475	-101.0747981	321229.268657893	43580.597032371	3219.898985828283	3019.898985828283	2996.90506513617	2996.90506513617	52.092477767039	52.092477767039
446	18	124026	-77241.1413	902617.3170250766	39.3535113846437	-101.072463	321430.4505451844	43580.5576791459	3224.57401979511	3018.72393	2997.44082847688	2997.654126810964	51.2620030114229	51.0690592597366
447	18	124027	-76581.1413	902617.3170250766	39.3535173257676	-101.070179	321634.546719298	43580.518408004	3223.84734519878	3017.6346734519878	2997.7404519878	2997.7404519878	52.092477767039	52.092477767039
448	18	124028	-75921.1413	902617.3170250766	39.35352142277058	-101.0677996	321832.378777039	43580.476227771	3216.70910347368	3016.43029072265	2997.7404519878	2997.7404519878	52.7162738148535	52.7162738148535
449	18	124029	-75261.1413	902617.3170250766	39.35352703469644	-101.0654667	322033.4512574805	43580.4359725084	3215.58362491397	3015.21939765731	2997.483814315411			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThdsKgr.ft	SatThdsKgr.ft
531	12411	-14111.14133	902617.3170250766	-00.35379687167953	-00.87471713	338517.8274974481	4357714.054100993	3808.142976	292.734062525043	2852.065527428392	2851.9207300015387	75.24853482	75.3933224884823	
532	12412	-14081.14133	902617.3170250766	-00.35379682624525	-00.87187834	338718.8501647693	435770.034378645	3076.798913193104	292.863880413723	2851.590424957236	2851.673137	74.29364206412538	74.21057077884234	
533	12413	-13921.14133	902617.3170250766	-00.35379669369096	-00.86558595	338919.8726724243	435776.0328511192	4357.768498592913	292.438544224466	2849.534816622466	2849.568926242236	74.0436621983394	74.011432	
534	12414	-11961.14133	902617.3170250766	-00.35380099324065	-00.8671726	339210.8502905068	435772.025218621	3976.110802866733	292.8675765206	2846.094441889927	2845.91910338453	74.6822387527887	74.057647575312	
535	12415	-18501.14133	902617.3170250766	-00.3538028507854	-00.8648397	339321.9172265474	435768.012380919	3704.959914924635	291.497223875385	2841.488607074446	2841.639342832962	80.0886169003361	80.0445644209038	
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542	12422	-13891.14133	902617.3170250766	-00.35381020358122	-00.8485096	340729.0682	435769.946872773	3071.038204334571	291.707409400452	2817.355205298075	2817.615734142789	93.1218441006447	92.8613149876281	
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556	12436	-4641.14137	902617.3170250766	-00.35381876246535	-00.8158493	343543.3476973031	435761.84447819	3043.332519486015	288.239200056162	2799.367451466342	2799.259554996776	83.1264055973014	83.1264055973014	
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577	12457	9218.586730351	902617.3170250766											

ix	iy	ix	iy	X.0	Y.0	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Ln	BRIElevKgrg.f	BRIElevBothKgr.f	SurfHtBothKgr.f	SurfBothKgr.f
657	12427	65718.85867307335	602617.3170250766	39.53362103558646	-00.5802288	363845.5144411415	4375210.235	2856.2519071556753	2869.037351	2856.2519071556753	2869.037351	2856.2519071556753	2856.2519071556753	2856.2519071556753	2856.2519071556753
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659	12429	65718.85867307335	602617.3170250766	39.53361247642484	-00.575681	364247.524844531	4375202.353	2859.984196708187	2868.154621	2859.984196708187	2868.154621	2859.984196708187	2859.984196708187	2859.984196708187	2859.984196708187
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662	12432	65718.85867307335	602617.3170250766	39.5335992097284	-00.5685645	364850.536728849	4375190.358	2854.92326831708	2861.83519284887	2854.92326831708	2861.83519284887	2854.92326831708	2854.92326831708	2854.92326831708	2854.92326831708
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679	12459	65718.85867307335	602617.3170250766	39.53351625262685	-00.5289187	368267.5891740793	4375122.633	2800.05947709667	2857.482188291317	2800.05947709667	2857.482188291317	2800.05947709667	2800.05947709667	2800.05947709667	2800.05947709667
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682	12462	65718.85867307335	602617.3170250766	39.5335010903392	-00.5219703	368870.5896740015	4375110.631	2800.4397807555	2853.526211855723	2800.4397807555	2853.526211855723	2800.4397807555	2800.4397807555	2800.4397807555	2800.4397807555
683	12463	65718.85867307335	602617.3170250766	39.533495706762926	-00.5195744	369071.590927124	4375106.659	2801.45512945376187	2852.47105882235	2801.45512945376187	2852.47105882235	2801.45512945376187	2801.45512945376187	2801.45512945376187	2801.45512945376187
684	12464	65718.85867307335	602617.3170250766	39.53349028	-00.5172451	369272.5921713383	4375102.674	2800.78598131831	2851.63001396844	2800.78598131831	2851.63001396844	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
685	12465	65718.85867307335	602617.3170250766	39.53348464323685	-00.5149175	369473.592528761	4375098.631	2800.78598131831	2850.78598131831	2800.78598131831	2850.78598131831	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
686	12466	65718.85867307335	602617.3170250766	39.5334792550782	-00.5125811	369674.5941134	4375094.713	2800.78598131831	2849.87112337357	2800.78598131831	2849.87112337357	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
687	12467	65718.85867307335	602617.3170250766	39.53347372162917	-00.510243	369875.5950471216	4375090.332	2800.78598131831	2848.9613391052	2800.78598131831	2848.9613391052	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
688	12468	65718.85867307335	602617.3170250766	39.53346811268761	-00.5079701	369976.5956353714	4375086.375	2800.78598131831	2848.0567274967	2800.78598131831	2848.0567274967	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
689	12469	65718.85867307335	602617.3170250766	39.53346245868318	-00.5055773	370172.596188094	4375082.716	2800.78598131831	2847.1501399398	2800.78598131831	2847.1501399398	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
690	12470	65718.85867307335	602617.3170250766	39.53345675961589	-00.5032444	370278.596164933	4375078.213	2800.78598131831	2846.2501304521	2800.78598131831	2846.2501304521	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
691	12471	65718.85867307335	602617.3170250766	39.53345102	-00.5009115	370378.59695620227	4375074.811	2800.78598131831	2845.304717485794	2800.78598131831	2845.304717485794	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
692	12472	65718.85867307335	602617.3170250766	39.5334452623685	-00.4985787	370478.5969224962	4375070.821	2800.78598131831	2844.35367105919	2800.78598131831	2844.35367105919	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
693	12473	65718.85867307335	602617.3170250766	39.53343930239685	-00.4962448	370578.59691557575	4375066.826	2800.78598131831	2843.402513705655	2800.78598131831	2843.402513705655	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
694	12474	65718.85867307335	602617.3170250766	39.53343371271815	-00.493931	370678.5969075625	4375062.837	2800.78598131831	2842.4511820555	2800.78598131831	2842.4511820555	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
695	12475	65718.85867307335	602617.3170250766	39.5334275833664	-00.4915801	370778.596895731	4375058.84	2800.78598131831	2841.50039108959	2800.78598131831	2841.50039108959	2800.78598131831	2800.78598131831	2800.78598131831	2800.78598131831
696	12476	65718.85867307335	602617.3170250766	39.53342168892305	-00.4892473	370878.5968824772									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Ls	BRElev.Kg.f	BRElevBoth.Kg.f	SatBth.Kg.f
43	14	124363	-343221.1413	90327.3172025076	39.349539527425506	-102.0125791	40400.166239626414	4359895.999350963	3873.3371708227177	370.45396193530005	3623.874251006262	3605.052349436781	81.56717094673846
44	14	124364	-342561.1413	90327.3172025076	39.34965263797855	-102.0210466	24001.2897300674	4359891.8923472205	3873.330776252058	370.8912362702395	3620.8505719846367	3601.463385117435	80.40466052340281
45	14	124365	-341901.1413	90327.3172025076	39.34966343347844	-102.0267814	24002.416246239585	4359887.765497297	3873.31756841386	370.810540641166	3617.840782629648	3598.273909058674	80.51033014151183
46	14	124366	-341241.1413	90327.3172025076	39.34966092320515	-102.0055815	24003.9359473128	4359893.678966888	3869.364793110739	370.8156942289934	3614.452419907065	3614.452419907065	80.36147231926667
47	14	124367	-340581.1413	90327.3172025076	39.3496328931859	-102.0032489	24120.6586635623	4359897.574338882	3865.95526689813	3699.28961838668	3610.53660478567	3590.8091943471277	80.46804259451584
48	14	124368	-339921.1413	90327.3172025076	39.3496612965879	-102.0099163	241405.7811279705	4359895.466207878	3865.29045355857	3867.772425791663	3606.903498647007	3590.951412411672	80.66896341465558
49	14	124369	-339261.1413	90327.3172025076	39.34967931494525	-101.9985838	241606.9033615625	4359891.360175664	3863.234472280035	3696.2716531355063	3603.031846171334	3590.11014288011	80.23980696
50	14	124370	-338601.1413	90327.3172025076	39.34970245517909	-101.9962512	241808.0252883297	4359897.254423244	3861.1789472725852	3694.79080822511	3599.028041818484	3588.8456103502404	80.76703894066259
51	14	124371	-337941.1413	90327.3172025076	39.34970555595915	-101.9938167	242009.1469846928	4359893.481070584	3868.183926178252	3598.2676730472584	3584.1785043411386	3580.9172014	80.89172014
52	14	124372	-337281.1413	90327.3172025076	39.34974800465777	-101.9915881	24221.26842545375	4359899.033077049	3877.582412113915	3691.9916782335055	3591.68399636555	3584.337614139316	80.1073673795057
53	14	124373	-336621.1413	90327.3172025076	39.34977160555883	-101.9892538	24241.3869108169	4359894.433037058	3855.868988	3690.724124114225	3588.777519300234	3583.041151391482	80.17652722274322
54	14	124374	-335961.1413	90327.3172025076	39.3497945557837	-101.986921	242612.5103406717	4359890.82996233	3854.15738350415	3689.5679245133842	3586.757282471757	3579.6304617510386	80.18109627160857
55	14	124375	-335301.1413	90327.3172025076	39.349817480544345	-101.9845884	242813.612061714	4359846.278156632	3851.245021720925	3688.499648518906	3585.2041795247805	3578.604417797585	80.22159227123227
56	14	124376	-334641.1413	90327.3172025076	39.349843045056645	-101.9822559	243014.7516356477	4359842.62315769	3847.132811161105	3687.487597368715	3584.2654745817645	3578.017231551074	80.222123151074
57	14	124377	-333981.1413	90327.3172025076	39.34986313	-101.9799233	243257.817802405	4359835.917934645	3843.020081926034	3686.510610350903	3583.758578570524	3576.017000194246	80.174525279979
58	14	124378	-333321.1413	90327.3172025076	39.349885951	-101.977907	243416.9917139603	4359834.141830254	3838.903080904795	3685.574422674374	3583.0738622137383	3580.053057325322	80.14235801537306
59	14	124379	-332661.1413	90327.3172025076	39.3498968687135	-101.9752582	243618.1173111516	4359830.31785852	3838.044711259018	3684.622473	3582.372538484584	3575.1922823718	80.249934320085
60	14	124380	-332001.1413	90327.3172025076	39.3499317356671	-101.9729256	243819.2307449005	4359826.20639629	3834.480481916824	3683.701044984272	3581.6074104290964	3587.86304848835	80.20936345541205
61	14	124381	-331341.1413	90327.3172025076	39.349954024212195	-101.970593	244020.3496924733	4359822.10932386	3822.833212708767	3682.787004402592	3580.7340418533564	3580.59456848635	80.20529625489575
62	14	124382	-330681.1413	90327.3172025076	39.34997662380178	-101.9682064	244221.46882010697	4359817.99934844	3821.72558530045	3681.878925753739	3578.971217780713	3587.487211811777	80.20970797666619
63	14	124383	-330021.1413	90327.3172025076	39.34999178373455	-101.9659273	244422.5766279951	4359813.89694003	3814.760672985395	3680.97085838787	3578.2568624078318	3578.164353277377	80.39324163115543
64	14	124384	-329361.1413	90327.3172025076	39.35001786781912	-101.9636953	244623.7056252555	4359809.75354246	3815.4324811645382	3680.077040714154	3576.006745377694	3574.7861023180614	80.30119175319263
65	14	124385	-328701.1413	90327.3172025076	39.3500415224667	-101.9613267	244824.9348955598	4359807.97581477	3813.11589	3678.183926178252	3574.183926178252	3574.183926178252	80.2388927469523
66	14	124386	-328041.1413	90327.3172025076	39.3500657162035	-101.9593901	245025.94187280808	4359801.588035735	3816.794095720442	3678.203793219984	3572.9841381214555	3575.045932583675	80.3065712005429
67	14	124387	-327381.1413	90327.3172025076	39.3500888459383	-101.9569755	245227.0596042002	4359797.458014561	3817.40909807621	3571.0629049305247	3567.958413243631	3567.958413243631	80.3491394004964
68	14	124388	-326721.1413	90327.3172025076	39.3501112750561	-101.954265	245428.1768833264	4359793.38324977	3816.794095720442	3675.91867795596	3567.91867795596	3567.91867795596	80.3491394004964
69	14	124389	-326061.1413	90327.3172025076	39.3501335941629	-101.9519324	245629.2940102827	4359789.281267163	3828.210896	3675.631851177543	3567.1092725765569	3567.1092725765569	80.3491394004964
70	14	124390	-325401.1413	90327.3172025076	39.35015579857317	-101.949598	245830.0140853387	4359785.71947996	3824.6420531278645	3674.745088013575	3564.81362620961	3559.72353897983	80.3190860403665
71	14	124391	-324741.1413	90327.3172025076	39.35017796267576	-101.9472677	246031.5224675796	4359781.978153107	3823.21978153107	3673.81978153107	3563.81978153107	3563.81978153107	80.3190860403665
72	14	124392	-324081.1413	90327.3172025076	39.35020415224667	-101.945434	246232.9438955598	4359775.976257815	3825.941031047785	3673.9531011047785	3563.941031047785	3563.941031047785	80.3190860403665
73	14	124393	-323421.1413	90327.3172025076	39.35022245717994	-101.942602	246433.7600011396	4359778.025023145	3821.6683031610587	3672.039455720579	3567.799778936837	3556.13034168838	80.21367678371537
74	14	124394	-322761.1413	90327.3172025076	39.35024430466848	-101.9402964	246634.37897600812	4359778.77356532	3819.32697571879	3671.103944585288	3556.25697976776	3556.25697976776	80.156390411890403
75	14	124395	-322101.1413	90327.3172025076	39.35026631855353	-101.9379368	246835.95189528075	4359764.673089601	3816.264432	3670.1330499477473	3552.852876	3554.7228625841036	80.172805289148406
76	14	124396	-321441.1413	90327.3172025076	39.35028829	-101.9356042	247037.10695718165	4359760.574221775	3812.283597391198	3669.1090455747753	3550.2216784485977	3550.2216784485977	80.156390411890403
77	14	124397	-320781.1413	90327.3172025076	39.35031021116011	-101.9332716	247238.22207476115	4359756.47195347	3826.302762859305	3668.030588343348	3547.359483859017	3548.94583686522	80.156390411890403
78	14	124398	-320121.1413	90327.3172025076	39.3503329895157	-101.930929	247439.3384138892	4359752.37118114	3821.321987143903	3666.78029271673	3545.4737967620713	3545.4737967620713	80.156390411890403
79	14	124399	-319461.1413	90327.3172025076	39.35035382548425	-101.928064	247640.4515590754	4359748.27161477	3823.95782739036	3665.387892762323	3545.387892762323	3545.387892762323	80.156390411890403
80	14	124400	-318801.1413	90327.3172025076	39.35037571216006	-101.9262738	247841.5692640447	4359744.71738396	3821.32972658103	3663.826503186924	3543.013369845823	3543.02079803326	80.156390411890403
81	14	124401	-318141.1413	90327.3172025076	39.35039745574805	-101.9239412	248040.6804901298	4359740.072063897	3825.66187966803	3662.065645659687	3545.6074217690525	3543.02079803326	80.156390411890403
82	14	124402	-317481.1413	90327.3172025076	39.35041915422086	-101.9216086	248243.7931246147	4359735.975278604	3827.99401500686	3660.145192921314	3544.87309032536	3541.25160260641	80.156390411890403
83	14	124403	-316821.1413	90327.3172025076	39.3504480766881	-101.919276	248444.9073136124	4359731.8330585	3825.88903159232	3658.10611099176	3543.784004404563	3539.393484949267	80.156390411890403
84	14	124404	-316161.1413	90327.3172025076	39.35046241606197	-101.9169434	248646.0209013542	4359727.74271761	3823.346920337115	3655.96682954778	3542.42424105949	3538.30673434017	80.156390411890403
85	14	124405	-315501.1413	90327.3172025076	39.35048397940478	-101.914628	248847.1348459578	4359723.9817687	3821.934843914784	3654.4843914784	3541.934843914784	3541.934843914784	80.156390411890403
86	14	124406	-314841.1413	90327.3172025076	39.35050545768361	-101.9122782	249046.246958003	4359715.76669728	3816.26912627009	3651.61584842639	3538.46903359237	3537.1577407413256	80.156390411890403
87	14	124407	-314181.1413	90327.3172025076	39.35052697091206	-101.9099456	249249.3595192387	4359714.87186513	3817.000376518786	3649.397601965634	3536.044582150855	3536.599414	80.156390411890403
88	14	124408	-313521.1413	90327.3172025076	39.3505483990551	-101.907613	249450.4718951863	4359711.38	3817.025951604192	3647.173768117024	3533.2770809565833	3535.789550300245	80.156390411890403
89	14	124409	-312861.1413	90327.3172025076	39.35056978220393	-101.9052804	249651.58402313592	4359707.28185164	3817.048824560001	3644.943477490309	3530.77818	3531.886641360604	80.156390411890403
90	14	124410	-312201.1413	90327.3172025076	39.35059112026732	-101.9029478	249852.6905925297	4359703.18392796	3817.071697300076	3642.718427893374	3528.234514778285	3533.584563239303	80.1483911510568
91													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfBoth.f	SatBoth.f
169	124489	-260061.1413	90327.37120250766	39.35213444955884	-101.7186671	265739.7691463722	4393980.077484203	3690.58965115791573	3474.9485568664204	3404.0952835360821	3403.659680196007	70.85327150379953	71.28887666841365	
170	124490	-259401.1413	90327.37120250766	39.35215213469567	-101.716344	265940.8619688092	439393.95	3689.862145716424	3474.71446233414	3402.7405991974074	3402.73382612014	70.76847036241095	70.70463263014095	
171	124491	-258761.1413	90327.37120250766	39.35216967196517	-101.7160017	266145.5046614305	439397.9193262297	3687.969018763037	3474.590817633237	3400.889190690883	3400.889190690883	71.01715231	70.92073380283896	
172	124492	-258081.1413	90327.37120250766	39.35218751532866	-101.7116694	266334.0462060001	439398.311988344	3684.9817637333413	3470.42334848005	3398.99021896790037	3399.107462029203	71.43271687290108	71.31598823788454	
173	124493	-257421.1413	90327.37120250766	39.352205117341995	-101.7093363	266544.1386507421	439393.7655232038	3681.970508702979	3468.9655396641917	3397.16654363015	3397.280786573708	71.78899503117691	71.67475308683651	
174	124494	-256761.1413	90327.37120250766	39.35222676043117	-101.7070036	266745.2043499925	439393.6993124035	3678.959253672613	3466.9401389254	3393.6401389254	3393.6401389254	71.71367150617081	71.60257986	
175	124495	-256101.1413	90327.37120250766	39.35224017528611	-101.7046708	266946.32021891753	439393.5568237343	3676.8545837169943	3464.6043732274867	3390.22663862368	3390.22663862368	71.78899503117691	71.67475308683651	
176	124496	-255441.1413	90327.37120250766	39.35225763847081	-101.7023381	267147.4134	439393.5150743133	3674.65625856112	3462.643732274867	3389.435161893474	3389.435161893474	71.67475308683651	71.60257986	
177	124497	-254781.1413	90327.37120250766	39.35227506987924	-101.7000054	267348.5046614305	439394.72768833	3673.458013955324	3460.231799533885	3388.75786797865	3388.75786797865	71.67475308683651	71.60257986	
178	124498	-254121.1413	90327.37120250766	39.35229242366535	-101.6976727	267549.59534579015	439394.346324026	3672.259970743482	3458.12716793044	3386.8531041675717	3385.8451041675717	71.67475308683651	71.60257986	
179	124499	-253461.1413	90327.37120250766	39.35230975767513	-101.695634	267750.689595468	439393.260991452	3670.9745343889	3456.4034543889	3378.946807600307	3378.946807600307	71.67475308683651	71.60257986	
180	124500	-252801.1413	90327.37120250766	39.35232704062649	-101.6930072	267951.716458427	439393.18604562	3667.60990576549	3459.064574698358	3375.07614224973	3374.471181150643	71.67475308683651	71.60257986	
181	124501	-252141.1413	90327.37120250766	39.35234427851949	-101.6906745	268152.86660712596	439393.16187535	3664.242747	3457.6680804057037	3373.6446471413185	3373.6446471413185	71.67475308683651	71.60257986	
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188	124508	-247521.1413	90327.37120250766	39.35246368213204	-101.6743544	269660.4914587544	439392.55257926	3638.206921729511	3448.24513069412	3371.4042803240252	3371.4042803240252	71.67475308683651	71.60257986	
189	124509	-246861.1413	90327.37120250766	39.3524805955653	-101.6720126	269976.5799146863	439392.474845374	3638.847291794283	3447.332975970028	3370.275278	3370.275278	71.67475308683651	71.60257986	
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193	124513	-244221.1413	90327.37120250766	39.35254762	-101.6626817	271054.831108263	439392.282163	3631.07857298253	3442.092932962456	3361.4816956047985	3361.4816956047985	71.67475308683651	71.60257986	
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214	124534	-230361.1413	90327.37120250766	39.3528878101623	-101.6136939	274788.715426073	439391.96186674	3606.416210641	3418.9198429534813	3332.14237591782	3332.14237591782	71.67475308683651	71.60257986	
215	124535	-229701.1413	90327.37120250766	39.3529035690425	-101.61									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatTKhLog.ft	SatTKhBoth.ft
295	196	124615	-176901.1413	90327.37120250766	39.35401403274518	-101.4247372	291075.6990858373	4358867.298033681	3454.2961969762705	3313.0539263018084	3229.7784195942213	3229.948948467869	33.725343758712	83.12896735639397
296	196	124616	-176241.1413	90327.37120250766	39.35402608872363	-101.4224403	291276.7642840717	4358863.240885266	3454.3436989918262	3312.2138640397106	3227.588212664423	3227.588212664423	34.65261413950836	84.62526161712325
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301	196	124621	-172941.1413	90327.37120250766	39.3540858629604	-101.4107401	292282.0872860795	4358842.95806454	3448.13800265738827	3308.113148051937	3218.478765144004	3218.478765144004	39.836465290324	89.6539145
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330	196	124650	-153801.1413	90327.37120250766	39.354409116582	-101.3430761	298112.8609	4358725.144901155	3371.9313003251524	3276.861117785805	3210.265877397324	3210.265877397324	71.0084115727843	71.0084115727843
331	196	124651	-153141.1413	90327.37120250766	39.354419658978805	-101.3407214	298311.979136538	4358721.364729594	3369.95085	3274.81072887659	3204.027527	3204.28814490350676	70.7905456	70.5292774660884
332	196	124652	-152481.1413	90327.37120250766	39.35443002724165	-101.3384218	298514.9770281653	4358717.2466786	3363.283782314628	3273.4029541709633	3202.7628115142634	3210.5735999992	70.440126569992	70.248211712122
333	196	124653	-151821.1413	90327.37120250766	39.354440081407124	-101.3360889	298716.0347861025	4358713.314602656	3371.912819809929	3201.308995302416	3202.0047382882575	3202.0047382882575	69.6038245075131	69.9054871216714
334	196	124654	-151161.1413	90327.37120250766	39.354451052052762	-101.3337561	298917.0923451096	4358709.25134246	3351.9499770595235	3207.289742101048	3199.72350353516	3200.77864268002	69.540414553213	69.5110784024584
335	196	124655	-150501.1413	90327.37120250766	39.35446112385665	-101.3314232	299118.149707834	4358705.16562533	3348.239928886434	3268.510779599447	3198.2584863116772	3199.404358559596	70.225293277046	69.1063960438808
336	196	124656	-149841.1413	90327.37120250766	39.35447173708123	-101.3290903	299319.2068772357	4358701.116387512	3340.486735144048	3266.623135359907	3196.445768646446	3197.80267919537	69.9407647953417	68.8204856633707
337	196	124657	-149181.1413	90327.37120250766	39.35448231903458	-101.3267944	299520.368196531	4358696.364875043	3338.263648475043	3264.9263546478	3195.83648475043	3195.83648475043	69.731131764843	69.731131764843
338	196	124658	-148521.1413	90327.37120250766	39.35449175	-101.3244246	299721.32001152114	4358693.0147503	3328.980347216055	3263.70556804860	3201.010468570375	3219.452578922851	69.695482782311	67.780278280092

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
421	12471	12471	9337.141331	90327.71205076	39.355178218990346	-101.1307949	116408.3668465474	4583537.646071123	32457.79313122625	3586.4550015286492	2997.5842412498286	2997.776174789619	60.82758016826005	60.6782881
422	12472	93081.14133	90327.71205076	39.35516459704914	-101.128462	116608.4071463415	458353.51381612	32457.0682985472	3586.416537	2994.253034962296	2994.3547379121764	62.16349712544161	62.0624963	
423	12473	93243.14133	90327.71205076	39.35519090044212	-101.128129	116810.4468633131	458353.981488633	3245.10631384235673	3586.4062893924	2993.536619623924	2992.651918726868	61.89280471232672	61.77735035841954	
424	12474	91761.14133	90327.71205076	39.355197217975224	-101.127962	117011.48921278917	458353.54949181	3247.490570203498	3586.4199590174	2992.269372199255	2992.585289314176	60.2225879091505	59.7304311876046	
425	12475	91101.14133	90327.71205076	39.355203460842257	-101.121463	117212.5564342693	458353.417868943	3243.91567611314	3586.602057833116	2994.787588264565	2993.103582131473	57.8144692574658	57.4982595	
426	12476	90441.14133	90327.71205076	39.3552069864577	-101.1191303	117413.569949562	458353.746060471	3240.3422941369	3586.755027809451	2993.5272751976594	2993.753119416597	55.714731825694	54.879158679122	
427	12477	89781.14133	90327.71205076	39.3552181138519	-101.1167974	117614.60998058	458353.45467068	3240.8488085811963	3586.4988085811963	2994.471938399575	2994.271938399575	52.47680721162119	52.223026008363	
428	12478	89211.14133	90327.71205076	39.3552191906073	-101.1144445	117815.61968277587	458353.3244361622	3235.6817925258674	3586.181642472196	2996.302265	2995.5905586766452	49.873759239958	49.672083274375	
429	12479	88641.14133	90327.71205076	39.35522786172338	-101.1121316	118016.6899783131	458353.981488633	3235.065626815633	3586.700001400474	2996.753917144695	2995.998989869336	47.11224192657793	47.45300255071086	
430	12479	87801.14133	90327.71205076	39.3552339921989	-101.1097587	118217.7178804	458353.213622564	3231.84977	3586.7406126142	2996.224752470224	2996.601451132973	45.530208700389	45.15367418114805	
431	12479	87141.14133	90327.71205076	39.3552399710371	-101.1074658	118418.76847696647	458353.713096639	3229.336342873177	3586.40388795133	2996.745930070394	2997.307346523291	42.78649121783826	42.78649121783826	
432	12479	86481.14133	90327.71205076	39.355245899123446	-101.1051329	118619.8017619407	458353.30067234	3226.231475206455	3586.47164264724	2992.317268712455	2991.995260326997	46.4989591226676	46.4719039920417	
433	12479	85821.14133	90327.71205076	39.35525178179254	-101.1028	118810.84666783003	458353.09	3223.1245681172635	3586.874784282569	2989.7856755001776	2989.4070741771927	47.08910877439757	47.46770110534344	
434	12479	85161.14133	90327.71205076	39.35525761877108	-101.100467	119011.884596593	458353.01295375	3221.5401797033014	3586.305174329261	2987.473560913431	2987.089201563735	47.8434574292299	47.8434574292299	
435	12479	84501.14133	90327.71205076	39.35526341	-101.0981341	119222.9414839405	458353.20435395	3220.720242679394	3586.792042471545	2985.482553584315	2985.093891400984	48.30928617630134	48.6988732828973	
436	12479	83841.14133	90327.71205076	39.35526915816272	-101.095812	119423.962324168	458352.87081509	3215.70656630717	3586.302729427	2983.100919105023	2982.785411050905	49.1975268670765	49.15283077161952	
437	12479	83181.14133	90327.71205076	39.3552748062653	-101.093463	119625.00921935	458352.91537207	3213.868109308103	3586.837901406739	2981.211427672628	2980.8726146161387	48.6264731731119	48.99567766060424	
438	12479	82521.14133	90327.71205076	39.35528051729381	-101.0911354	119816.03904412384	458352.89	3212.02965157409	3586.4126264055685	2979.8517614062444	2979.493439853072	49.85165746444124	49.9165745249667	
439	12479	81861.14133	90327.71205076	39.35528612927007	-101.0888025	120027.077	458352.8903445185	3212.18620247228	3586.3027123555165	2977.615374004083	2977.4378382643	50.3463655501812	50.5243442687354	
440	12479	81201.14133	90327.71205076	39.35529169617779	-101.086496	120228.114760333	458352.8610418119	3211.733736874728	3586.6637318776916	2976.312664	2976.3931701212185	50.3512980655004	50.323960655004	
441	12479	80541.14133	90327.71205076	39.35529721802144	-101.0841366	120429.1524	458352.703551619	3216.489301275884	3586.3368484704	2975.341727	2975.7375904890949	49.9488777884215	49.9589436690479	
442	12479	79881.14133	90327.71205076	39.3553029	-101.0818037	120630.1897735875	458352.701004258	3216.640805612568	3586.40392430977	2974.6189114230299	2974.7192518482395	49.7192518482395	49.7192518482395	
443	12479	79221.14133	90327.71205076	39.355314281651	-101.079478	120843.65520559	458352.69187196	3216.169891136713	3586.4283928247	2973.4283928247	2973.4283928247	49.5811913101963	49.5811913101963	
444	12479	78561.14133	90327.71205076	39.3553133116795	-101.0771379	121022.0642850257	458352.64098941	3221.63634	3586.3021561492999	2972.6641473610725	2973.03255468232	48.96346723193625	48.96346723193625	
445	12479	77901.14133	90327.71205076	39.35531885475526	-101.074805	121233.30097945157	458352.60226611	3222.916262715345	3586.3020929180213	2973.271138468141	2973.271138468141	47.0378907120211	47.0378907120211	
446	12479	77241.14133	90327.71205076	39.35532451127848	-101.0724721	121434.3376983897	458352.86118892	3214.196630132069	3586.411254695964	2974.369284738394	2974.369255529375	44.74331171246554	44.43699213027094	
447	12479	76581.14133	90327.71205076	39.35532940273757	-101.0701391	121635.37424284534	458352.86727074	3212.2126950511	3586.30738607426345	2974.8421897512435	2975.201693	44.030471767509967	44.735214871373036	
448	12479	75921.14133	90327.71205076	39.35533436913295	-101.0678062	121836.4013013995	458352.84803511	3217.591029594624	3586.7161029708215	2975.430183415975	2975.7518060442167	41.35084642922402	41.02922372660487	
449	12479	75261.14133	90327.71205076	39.3553479046338	-101.065473	122037.4468091256	458352.813328181	3218.54932318125	3586.458265134603	2975.63265134603	2975.63265134603	39.88115690972058	39.88115690972058	
450	12479	74601.14133	90327.71205076	39.35534989730068	-101.0631404	122249.654205559	458352.8169314	3227.920111882338	3586.30145289305913	2975.1438635035913	2975.1438635035913	38.136080144333	38.136080144333	
451	12479	73941.14133	90327.71205076	39.35534995763261	-101.060875	122445.5186973023	458352.795617662	3216.64736496677	3586.41375804365	2976.3161329073495	2976.7061784820833	38.6037351386557	38.706709220081784	
452	12479	73281.14133	90327.71205076	39.3553458407909	-101.0584745	122640.5545050486	458352.7331733	3196.96470493653	3586.30126197212015	2975.553638	2976.810963317509	35.7255932781509	35.5123903090909	
453	12479	72621.14133	90327.71205076	39.35535965145516	-101.0561416	122841.58896582036	458352.76078553	3196.268673705295	3586.301247908566	2975.95831575356	2976.14510391949	35.2890754013003	35.1028606265691	
454	12479	71961.14133	90327.71205076	39.35536490115515	-101.0538097	123042.6248606116	458352.740686116	3197.527041807505	3586.3011824960611	2975.89041851129	2975.8904603630563	34.1954258055664	34.1954258055664	
455	12479	71301.14133	90327.71205076	39.35536979210097	-101.0514758	123243.66034171556	458352.654704241	3189.2043787471663	3586.3012605455287	2975.032374270433	2975.17547899414	34.093892584536	33.954219667612506	
456	12479	70641.14133	90327.71205076	39.35537463796257	-101.0491429	123444.65520559	458352.69187196	3196.169891136713	3586.4283928247	2973.4283928247	2973.4283928247	34.72423537257	34.72423537257	
457	12479	69981.14133	90327.71205076	39.355379438799964	-101.046809	123645.7301359644	458352.60476201	3183.133895054564	3586.300746598843	2971.7891421379722	2972.403063676116	33.9895170680787	33.9895170680787	
458	12479	69321.14133	90327.71205076	39.35538419455313	-101.044477	123846.764746469	458352.58137662	3180.10089487936	3586.3002291926811	2970.3588820176915	2970.96409792823	33.66317390911954	33.66317390911954	
459	12479	68661.14133	90327.71205076	39.35538980524439	-101.0421441	124047.7993412423	458352.55299226	3177.65043300345	3586.30050360702095	2968.870389552424	2968.516676402924	36.1768774496714	35.48824875439406	
460	12479	68001.14133	90327.71205076	39.3553933708604	-101.0398112	124248.833638092	458352.50045684	3175.783725803693	3586.30092497152183	2967.300379779004	2968.008413439778	36.9833191731794	35.9833191731794	
461	12479	67341.14133	90327.71205076	39.355398191429494	-101.0374783	124449.86677593246	458352.460392433	3173.917111273333	3586.300289513069205	2966.293408759473	2966.654296720871	36.99254260703455	36.99254260703455	
462	12479	66681.14133	90327.71205076	39.35540276692565	-101.0351453	124650.9071111541	458352.414783459	3170.469196705978	3586.3013639814754	2965.29410255538	2965.580449443943	36.989570877631	37.0431706819193	
463	12479	66021.14133	90327.71205076	39.3554082448673	-101.032847	124851.9678779396	458352.36187936	3168.29129851254	3586.301289100324	2964.29129851254	2964.29129851254	36.989570877631	36.989570877631	
464	12479	65361.14133	90327.71205076	39.3554117827155	-101.0304795	125062.9591	458352.304123911	3168.214142937309	3586.3009201559126	2965.629761622465	2966.129337144923	36.989570877631	36.989570877631	
465	12479	64701.14133	90327.71205076	39.35541622302849	-101.0281466	125254.0025402599	458352.261042514	3166.357110719683	3586.30090572810762	2967.3355963428994	2967.3355963428994	36.989570877631	36.989570877631	
466	12479	64041.14133	90327.71205076	39.3554206182675	-101.0258136	125455.038085205	458352.261042514							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SatHtElevLog.ft	SatHtBoth.ft
547	124867	-90.11411327	30327.37170250766	39.355662973503405	-100.3868461	341778.1033579545	4357851.10581825	3063.1238317685384	2901.435809148248	2801.5932969724007	2810.6396727906413	90.8963947584748	90.7961363576068	
548	124868	-90.11411327	30327.37170250766	39.35567273449795	-100.8345132	341939.2035119554	4357847.086959496	3063.9561507622675	2805.467542361796	2808.8834930438397	2809.98032772228	90.8754204886746	89.4875204886746	
549	124869	-90.11411327	30327.37170250766	39.355683373514127	-100.8345132	342140.2228767675	4357843.004893114	3064.001788475099	2807.4403398966665	2808.8765401633263	2808.891407497265	88.5408924530303	88.5408924530303	
550	124870	-90.11411327	30327.37170250766	39.355628984	-100.8284373	342134.242524881624	4357839.03117261	3065.6027887492757	2895.36074802755	2897.6357035991944	2807.53427802004	87.7262013355873	87.8097280254934	
551	124871	-79.41141327	30327.37170250766	39.3556290290081	-100.8275144	342542.26066538	4357835.07953861	3064.242106965457	2893.2418701455572	2806.306556912033	2806.01768975989	86.9362144553396	87.2241803566945	
552	124872	-72.81141327	30327.37170250766	39.3556200225842	-100.8251814	342743.2814319074	4357831.08985926	3064.242106965457	2893.2418701455572	2804.841016065805	2804.443712042832	86.24696915	86.24696915	
553	124873	-66.21141327	30327.37170250766	39.35563049721133	-100.8228485	342944.3066453377	4357827.06219104	3057.06214815909	2888.9024395711334	2802.8938523068238	2802.8938523068238	86.2900332686248	86.2900332686248	
554	124874	-59.61141327	30327.37170250766	39.3556302676954	-100.8205916	343145.319704628	4357823.05560291	3057.06214815909	2888.9024395711334	2801.742748617325	2801.0204801708305	85.4493474500586	85.6936678492765	
555	124875	-53.01141327	30327.37170250766	39.3556311126383	-100.8181626	343346.3386123857	4357819.94207973	3048.0512544	2885.341125747509	2798.689349886223	2798.47159634719	84.821635567662	85.0388916718518	
556	124876	-46.11141327	30327.37170250766	39.3556315609195	-100.815847	343547.3576802977	4357815.0300749	3045.481195	2882.308719327372	2797.920879286074	2797.930758958179	84.38791172224	84.38791172224	
557	124877	-39.81141327	30327.37170250766	39.355631945055554	-100.813168	343748.37597175024	4357811.03004044	3041.34984620599	2880.11353444596	2796.4557594899734	2796.5928274278167	83.6757635462262	83.6757635462262	
558	124878	-33.21141327	30327.37170250766	39.35563219435536	-100.811838	343949.3942475884	4357807.031194932	3037.218497226638	2877.932245	2795.1820444553287	2795.2558005700162	82.750204664811	82.55896846	
559	124879	-26.61141327	30327.37170250766	39.3556323895906	-100.8088509	344150.4127245247	4357803.02580325	3033.44871296206	2875.706680493948	2793.5118856	2793.6871478784165	82.058122705487	82.058122705487	
560	124880	-20.01141327	30327.37170250766	39.35563255776007	-100.805197	344351.430873494	4357799.02160574	3030.034702206704	2873.636110510513	2791.1636414384107	2791.258910509596376	82.47009157709062	82.37508058586369	
561	124881	-13.41141327	30327.37170250766	39.3556327186533	-100.804185	344552.44887154497	4357794.01305966	3026.03862484814956	2791.534005901355	2788.9309606656955	2789.101632591953	82.02699984	82.42227133103179	
562	124882	-6.81141327	30327.37170250766	39.35563274099525	-100.801821	344753.466718475	4357791.00905199	3023.2216657422304	2889.441741426034	2787.267202	2787.62711566297	81.745302984323	81.8143288578654	
563	124883	-1.1412693	30327.37170250766	39.35563276	-100.7995191	344954.4845112595	4357787.00507039	3023.304048533475	2887.383907334422	2786.1727400892485	2786.714243505681	81.25666724717348	80.696963860535	
564	124884	638.58677303514	30327.37170250766	39.35563274739299	-100.7971862	345155.5016129107	4357783.00429945	3018.01705185434	2865.34784181676	2785.490932604808	2785.793115125221	79.5658181	79.5741732053455	
565	124885	1298.58677303514	30327.37170250766	39.355632766234	-100.7948533	345356.51930704367	4357778.996	3015.683601763244	2863.329448288374	2785.1157807354097	2785.651640818369	77.6778074879497	77.6778074879497	
566	124886	1988.58677303514	30327.37170250766	39.355632766234	-100.7925203	345557.5366027	4357774.99173339	3013.350166491757	2861.320631302768	2785.037096076987	2785.448427011359	76.2856705	75.87463612	
567	124887	2618.58677303514	30327.37170250766	39.35563240113827	-100.7901874	345758.5539893516	4357770.98776334	3010.557039218673	2859.3236306165	2785.203960763254	2785.4259969	74.97199229636	73.89794455308528	
568	124888	3278.58677303514	30327.37170250766	39.3556322087096	-100.787854	345959.5704464785	4357766.38616316	3004.352587149479	2857.3037531454343	2785.74756672691	2785.57420623374	71.58349687374312	71.7533473240982	
569	124889	3928.58677303514	30327.37170250766	39.3556320619299	-100.7851833	346159.5814823761	4357762.90207051	3000.880197272223	2855.3426511257486	2784.682396923482	2784.682396923482	68.821635567662	68.821635567662	
570	124890	4598.58677303514	30327.37170250766	39.3556317090124	-100.7831886	346361.6041	4357759.78672075	3000.79660401703	2853.300960175316	2787.6223752492515	2787.5278610795854	65.7283520480015	65.8230647545428	
571	124891	5258.58677303514	30327.37170250766	39.3556313345946	-100.7808556	346562.62058719184	4357754.97340124	2998.365046208396	2851.3553003964876	2788.860149804038	2788.2891731735284	62.62722826295921	62.722826295921	
572	124892	5918.58677303514	30327.37170250766	39.35563062752996	-100.7785227	346763.6386397379	4357750.97301731	2996.842005895172	2849.350422732497	2789.2239737521345	2789.16722305316	60.1263685111518	59.18311922907524	
573	124893	6578.58677303514	30327.37170250766	39.35563052608185	-100.7761898	346964.6531734658	4357746.967431725	2996.842005895172	2847.332742849831	2788.6725802103542	2788.760673500065	56.06263875881	55.97185499269781	
574	124894	7238.58677303514	30327.37170250766	39.3556300434598	-100.7738568	347165.66919012007	4357742.964793045	2993.7350738292634	2845.2991867102155	2782.981542259066	2784.3789930511043	62.3176445141	60.920193650411	
575	124895	7898.58677303514	30327.37170250766	39.35562953745443	-100.7715238	347366.6956397673	4357738.96210955	2992.1658495786128	2843.2456211210096	2782.646872284688	2782.646872284688	63.78984871702069	63.78984871702069	
576	124896	8598.58677303514	30327.37170250766	39.3556291765017	-100.7695193	347569.7082971389	4357734.90592349	2990.580908516176	2841.791700592348	2782.55054052094	2782.55054052094	64.4473223	60.3389805763226	
577	124897	9218.58677303514	30327.37170250766	39.355628368750196	-100.766858	347768.7164589996	4357730.95929336	2988.996052444616	2839.06895279238	2778.7673553940283	2778.32286028216	62.3964983830968	62.3964983830968	
578	124898	9878.58677303514	30327.37170250766	39.3556277167555	-100.7645251	347969.7319197942	4357725.915951212	2987.1117337671	2836.83902665046	2771.916894015963	2772.52715697250	60.229035647067	64.1245659939487	
579	124899	10538.58677303514	30327.37170250766	39.35562701966186	-100.7621921	348170.742	4357722.54196379	2985.19004688919	2834.778857519479	2770.850234383319	2770.520835187059	63.02862407160095	64.25800432341921	
580	124900	11198.58677303514	30327.37170250766	39.3556267772135	-100.7598592	348370.762399364	4357718.953	2982.334368	2832.5841176094	2772.064768228221	2772.10104582101	60.481330886337	60.481330886337	
581	124901	11858.58677303514	30327.37170250766	39.35562540036342	-100.7575263	348572.7718155255	4357714.951342138	2979.874130988121	2830.35408080551	2775.641666424464	2776.747281305623	54.726423840453	53.6070274588784	
582	124902	12518.58677303514	30327.37170250766	39.3556250619299	-100.7551833	348773.7920094787	4357710.95207051	2978.162197172723	2828.3456211257486	2775.3714378471	2775.3714378471	51.6447429482734	51.6447429482734	
583	124903	13178.58677303514	30327.37170250766	39.355623790811875	-100.7528064	348974.8070167515	4357705.943626601	2976.82252371336	2825.77985221004	2773.134134980027	2772.5862962623	51.6447429482734	51.6447429482734	
584	124904	13838.58677303514	30327.37170250766	39.35562258429065	-100.7505274	349175.8215961832	4357702.949	2971.305314679143	2823.427031895978	2770.485249185416	2770.684302295021	52.947540045196	56.742700949636	
585	124905	14498.58677303514	30327.37170250766	39.35562188096159	-100.7481945	349376.8360243254	4357700.84769641	2968.713073389806	2821.031857834394	2768.4361241482447	2768.4361241482447	52.947540045196	52.947540045196	
586	124906	15158.58677303514	30327.37170250766	39.3556208469305	-100.7458616	349577.850136170996	4357694.97613108	2966.120700194937	2818.59203361152	2766.450521414006	2766.2502256714165	52.130494874166	54.31807934784636	
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588	124908	16478.58677303514	30327.37170250766	39.3556187250443	-100.7411197	349979.8755403907	4357686.947481921	2962.262532734576	2813.580238102503	2760.7148650242852	2759.9523421450064	52.8654178570058	53.65644178570058	
589	124909	17138.58677303514	30327.37170250766	39.355618092747874	-100.7388519	350188.88694686	4357682.92084234	2960.782792084234	2811.786230489791	2759.4786230489791	2759.4786230489791	52.8654178570058	52.8654178570058	
590	124910	17798.58677303514	30327.37170250766	39.3556173777327	-100.7365298	350381.90112455	4357680.9481114	2958.8252051976	2808.405120984127	2758.376376999437	2758.376376999437	50.8444117055986	51.8817520889792	
591	124911	18458.58677303514	30327.37170250766	39.35561514	-100.7341969	350582.9167061785	4357674.948747464	2956.746490330165	2805.764734700636	2758.49878	2756.146978167	42.265955730442	49.6200461867375	
592	12													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtEvLogKgr.ft	SatHtBoth.ft
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674	169	124994	72538.85867307335	90327.37170250766	39.35535534532374	-100.5405937	367266.5063587519	43753747.66064749	2827.599965664638	2663.541215013323	2592.4510336513276	2622.8519968039766	71.1036785004065	40.66212289197256
675	169	124995	72698.85867307335	90327.37170250766	39.35535628128105	-100.5382598	367677.5634786369	43753747.66064749	2837.067465482394	2663.349884989604	2591.174961089012	2619.032327211349	70.8513570159187	43.0047117325465
676	169	124996	72458.85867307335	90327.37170250766	39.35534521296549	-100.5358079	367668.5644650984	43753731.71403919	2823.3682091692703	2660.55215682576	2589.75173102655374	2612.760286	70.8035454	47.79430084
677	169	124997	75218.85867307335	90327.37170250766	39.35534009595852	-100.533565	367869.56623219643	43753731.72875703	2819.616631485901	2659.070189113812	2587.2755868291236	2603.279654767563	71.3446022858829	55.79037313695556
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680	169	125000	77198.85867307335	90327.37170250766	39.3553448906196	-100.5265662	368472.5711516495	43753731.781873505	2810.448512895474	2654.991848720117	2580.172435772804	2593.408178276232	74.4194124770000	61.18369544472934
681	169	125001	77898.85867307335	90327.37170250766	39.35531919542578	-100.5242333	368673.5780716369	43753731.79998868	2809.967826825852	2653.1438167709334	2579.1071977093934	2590.74518413367	74.36991693	62.38637352161497
682	169	125002	78518.85867307335	90327.37170250766	39.35531385672544	-100.5215904	368874.5737351326	43753711.818	2805.48984489853	2651.585151444236	2578.926273007263	2602.02200552395	74.6489143793715	64.52052649002615
683	169	125003	79138.85867307335	90327.37170250766	39.35530847296105	-100.5195674	369075.5748376796	43753730.83732748	2801.95159503677	2650.07523469728	2575.421855	2597.794861748077	74.8382031086767	62.5205832165071
684	169	125004	79838.85867307335	90327.37170250766	39.35530304413253	-100.5172345	369276.576147298	43753730.85	2797.24737295414	2648.560967258544	2573.571190001086	2589.710538414644	74.989777	68.5804288493968
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686	169	125006	81158.85867307335	90327.37170250766	39.35529025128332	-100.5125687	369678.57797307423	43753730.89334046	2787.91179944195	2645.91965011735706	2569.451276344377	2586.605467839706	76.360733829193	58.9140323368665
687	169	125007	81818.85867307335	90327.37170250766	39.35528647262546	-100.5102358	369879.5779909463	43753729.912599142	2787.103734395844	2643.932408971363	2568.827381843066	2587.15396877767	76.16589914019658	59.964087013388454
688	169	125008	82478.85867307335	90327.37170250766	39.35528087817894	-100.5079029	370080.574966107	43753728.93240965	2780.1550970523	2642.462731776803	2564.45194253379	2582.759793748765	76.10178063230116	59.70292833033854
689	169	125009	83138.85867307335	90327.37170250766	39.35527524202912	-100.50557	370281.5786144146	43753728.95192511	2793.270452764905	2640.92593056817	2561.306985248806	2589.591599171276	76.25929762008113	52.33439389440682
690	169	125010	83798.85867307335	90327.37170250766	39.355269524816315	-100.503237	370482.570420699	43753728.97159771	2796.2839848760395	2639.3829848296245	2557.951925061575	2589.6832892465	76.41304643921276	49.6991035
691	169	125011	84458.85867307335	90327.37170250766	39.355263780539474	-100.5009041	370683.57914328185	43753728.991567072	2796.64083092675	2637.832471	2554.747285874435	2579.6978581365214	83.0851857605308	58.1346112854861
692	169	125012	85118.85867307335	90327.37170250766	39.35525798119866	-100.4985712	370884.5791205065	43753728.97101785391	2795.224322732866	2636.2746481157713	2550.8220234692054	2569.177759078035	84.454224654209	67.0968730771781
693	169	125013	85778.85867307335	90327.37170250766	39.3552521673936	-100.4962383	371085.57897818626	43753728.93023737	2791.884071453983	2634.714617539233	2546.78621959268	2574.75776993756	87.9463979866465	59.88704065417873
694	169	125014	86438.85867307335	90327.37170250766	39.3552467722507	-100.4939584	371286.5790725922	43753728.954	2787.572630654104	2633.14744111809	2542.76952776626	2575.722710386359	88.361562582626	60.56917500455255
695	169	125015	86988.85867307335	90327.37170250766	39.3552403279321	-100.4916775	371487.578352591	43753728.9731478	2782.14581654901	2632.1854901824	2541.01921738441	2573.62828956546	89.362828956546	61.8065168638956
696	169	125016	87528.85867307335	90327.37170250766	39.35523438	-100.4892296	371688.577789322	43753726.04902001	2782.34466254945	2630.0019243425	2533.73857310496	2555.48157954494	90.261191238596	74.5186128793073
697	169	125017	88418.85867307335	90327.37170250766	39.3552283683493	-100.4869066	371889.5714867534	43753726.11583179	2782.34466254945	2628.42285736089	2529.321767902182	2545.748013925403	90.15789047097	82.6748418052489
698	169	125018	89078.85867307335	90327.37170250766	39.355223081035	-100.4845737	372090.5763845904	43752748.137200442	2781.5450853484	2626.84625710595	2526.510286285547	2539.9124842523734	90.3399648214022	86.9337730583215
699	169	125019	89738.85867307335	90327.37170250766	39.35521624002182	-100.4822408	372291.574957534	43752748.15870144	2781.5450853484	2626.84625710595	2526.510286285547	2539.9124842523734	90.3399648214022	86.9337730583215
700	169	125020	90398.85867307335	90327.37170250766	39.35521005416936	-100.4799079	372492.5744879624	43752740.18055489	2780.02971927782	2623.715452	2528.73531260282	2535.962730881194	90.46022134823814	69.85272070741621
701	169	125021	90988.85867307335	90327.37170250766	39.3551923230371	-100.477575	372693.578352591	43752738.9122119	2782.851927100387	2622.1854901824	2526.510286285547	2535.962730881194	90.46022134823814	69.85272070741621
702	169	125022	91718.85867307335	90327.37170250766	39.3551867192778	-100.475291	372894.5771018374	43752738.9362345	2783.919871277723	2621.58911200468	2525.519580746456	2533.919871277723	90.46022134823814	69.85272070741621
703	169	125023	92378.85867307335	90327.37170250766	39.35519132428735	-100.4729092	373095.570756911	43752738.9307348	2786.322140458256	2619.300755380173	2538.212605907668	2537.769402324325	91.0814942750494	61.451337660749596
704	169	125024	93038.85867307335	90327.37170250766	39.35518500412076	-100.4705763	373296.569227647	43752734.269862540	2788.0145654179294	2618.0214565179294	2539.2603026256	2546.7602649167352	91.3979147293035	61.451337660749596
705	169	125025	93698.85867307335	90327.37170250766	39.35517862848956	-100.4682434	373497.567608266	43752730.29232811	2783.64733218454	2616.8777011693624	2538.422150803397	2556.429120239074	91.4555063002861	60.45278914545497
706	169	125026	94358.85867307335	90327.37170250766	39.35517221	-100.4659105	373698.5668739334	43752731.15326366	2782.100118341505	2615.852090629537	2535.526510273463	2545.943187984942	91.910271090181	60.45278914545497
707	169	125027	95018.85867307335	90327.37170250766	39.3551653473831	-100.4635775	373899.5668053554	43752722.38	2783.6979410934427	2614.308889814704	2533.9570759586	2536.31963791768	92.691681376805	78.58927007701673
708	169	125028	95678.85867307335	90327.37170250766	39.3551592230371	-100.461246	374099.5700223572	43752728.31751122	2783.6979410934427	2614.308889814704	2533.9570759586	2536.31963791768	92.691681376805	78.58927007701673
709	169	125029	96338.85867307335	90327.37170250766	39.35515287784478	-100.4589117	374301.5599186033	43752731.8321219	2783.6979410934427	2614.308889814704	2533.9570759586	2536.31963791768	92.691681376805	78.58927007701673
710	169	125030	96998.85867307335	90327.37170250766	39.35514608	-100.4565788	374502.5576942962	43752700.40804849	2782.12697433991	2612.29873046379	2532.7536581210647	2531.5049242421537	90.5027234270342	80.79306226161534
711	169	125031	97658.85867307335	90327.37170250766	39.35513834157782	-100.4542459	374703.5553464765	43752704.83243999	2777.1448623492495	2611.4408823492495	2531.063662746947	2538.71675920396	92.7397707465484	77.73192315
712	169	125032	98318.85867307335	90327.37170250766	39.35513274095394	-100.451913	374904.5529	43752712.45604066	2776.02764851134	2610.588239881134	2544.323719641794	2544.7993512512693	92.65240222	65.7888333684414
713	169	125033	98978.85867307335	90327.37170250766	39.35512600527719	-100.4498901	375105.5500301282	43753184.81329038	2776.02764851134	2610.588239881134	2544.323719641794	2544.7993512512693	92.65240222	65.7888333684414
714	169	125034	99638.85867307335	90327.37170250766	39.355119224531265	-100.4474274	375306.5475995681	43753184.81329038	2776.02764851134	2610.588239881134	2544.323719641794	2544.7993512512693	92.65240222	65.7888333684414
715	169	125035	100298.85867307335	90327.37170250766	39.3551127451265	-100.4451486	375508.5475995681	43753184.81329038	2776.02764851134	2610.588239881134	2544.323719641794	2544.7993512512693	92.65240222	65.7888333684414
716	169	125036	100958.85867307335</											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThKgr.ft	SatThBoth.ft
59	170	12519	-326861.1413	903937.3170250766	39.35172131943552	-101.9752874	243622.2238784892	4360031.609041773	3801.2501492922033	3684.1422005624913	3581.769017392503	3582.5595965319344	3027.3131318998835	101.58260205305692
60	170	12520	-326001.1413	903937.3170250766	39.35174400970124	-101.9728547	243823.24277416195	4360027.504847041	3831.34979904004	3683.2571959214338	3580.928074	3585.969532642542	302.3286433264252	97.56154366025407
61	170	12521	-323161.1413	903937.3170250766	39.35176664853351	-101.9706221	244024.46171609745	4360018.781835267	3825.1074487878447	3682.7324354986	3579.08140233963	3586.42810254802	131.06429728890308	95.64551801164737
62	170	12522	-326061.1413	903937.3170250766	39.351789255099966	-101.9682895	244225.58004407	4360019.237504383	3819.0450985358757	3681.504043814191	3578.168436	3585.7071651035117	303.3360762183106	95.64551801164737
63	170	12523	-320021.1413	903937.3170250766	39.351811802113116	-101.9655668	244426.69883851786	4360015.139856396	3814.4882674328787	3678.75056064182	3576.6742787789503	3582.4773076604915	103.95847218566789	98.1564433
64	170	12524	-329361.1413	903937.3170250766	39.351834320267535	-101.9636242	244627.811027143495	4360011.091	3811.526954572895	3679.767176321484	3575.086932346917	3577.891704987434	106.6412183749211	101.76071273344995
65	170	12525	-328701.1413	903937.3170250766	39.351856579	-101.9612916	244828.394395042698	4360006.98745706	3806.56564352112	3678.962060619926	3573.6625764824967	3573.3505170520389	105.05510356243036	106.6412183749211
66	170	12526	-328041.1413	903937.3170250766	39.35187925021443	-101.9589589	245030.05262699449	4360002.85	3808.634531711227	3678.4088227545034	3571.88484547388	3569.8190828289	106.163977207151	108.2297399262477
67	170	12527	-327381.1413	903937.3170250766	39.35189156010502	-101.9566263	245231.170054588	4359998.781835267	3807.19523913418	3677.19523913418	3570.08140233963	3566.42810254802	101.115250705872	108.2297399262477
68	170	12528	-326721.1413	903937.3170250766	39.351923397	-101.9542337	245432.2872119099	4359994.673549484	3813.166154512724	3676.34464	3569.045386641846	3564.05067744516	108.2297399262477	108.2297399262477
69	170	12529	-326061.1413	903937.3170250766	39.3519461742023	-101.951961	245633.40414125894	4359997.75044081	3819.194520425297	3675.49637143117	3566.0268910106963	3562.411768602073	108.2297399262477	108.2297399262477
70	170	12530	-325401.1413	903937.3170250766	39.3519684444764	-101.9496284	245834.52080870993	4359996.474388587	3825.222885932167	3674.6493977390667	3563.9218336954063	3561.411532950561	107.7256604366032	113.27378667880365
71	170	12531	-324741.1413	903937.3170250766	39.35199062911389	-101.9472957	246035.6372	4359992.37030154	3825.8769751178343	3673.802087716906	3561.84519038411	3561.54978314851067	111.956897314851067	112.25232423179932
72	170	12532	-324081.1413	903937.3170250766	39.35201278727534	-101.9449631	246236.7533873415	4359978.72132479	3816.1568015943344	3672.952227	3559.8874196818697	3559.590125112683	113.06480738314349	113.45311543377919
73	170	12533	-323421.1413	903937.3170250766	39.35203483285675	-101.9426304	246437.86990173638	4359974.169814026	3810.4369209703446	3672.096156	3556.7937100744366	3557.500168724436	114.25984599282345	114.59989662018712
74	170	12534	-322761.1413	903937.3170250766	39.35205694	-101.9402978	246638.9850362655	4359970.099	3811.716454547335	3671.22717830909	3554.371771788035	3556.803765	116.9008454621237	114.534114719089
75	170	12535	-322101.1413	903937.3170250766	39.3520789724617	-101.9379561	246840.1047647487	4359967.98738922	3812.347817869883	3670.33434454147	3551.98355454672	3551.7660779904753	112.3797099402888	112.3797099402888
76	170	12536	-321441.1413	903937.3170250766	39.35210096037505	-101.9356325	247041.2156306147	4359961.86647496	3818.32972597595	3669.40050422194	3549.545587515026	3546.1963052020893	119.85521752871682	107.437799840199
77	170	12537	-320781.1413	903937.3170250766	39.352122850973146	-101.9332998	247242.3305449881	4359967.76572623	3814.31946805017	3668.396439707631	3547.1640675958044	3554.375612400767	121.2323721254673	114.02082729966243
78	170	12538	-320121.1413	903937.3170250766	39.35214473025306	-101.9309672	247443.4452064198	4359963.665246819	3820.284203136083	3667.272089230852	3545.601563265231	3548.680122972683	121.6703530026531	118.5919684281695
79	170	12539	-319461.1413	903937.3170250766	39.3521666	-101.9286345	247644.55961429002	4359949.56403153	3832.2911397742521	3665.959871854312	3545.193200477615	3545.261532	120.6027137697919	119.78039504092413
80	170	12540	-318801.1413	903937.3170250766	39.35218835345555	-101.9263018	247845.6717047535	4359945.468412284	3830.372732388653	3664.400561260226	3544.7775992479347	3545.30142936318	119.62337153104963	119.73048830240474
81	170	12541	-318141.1413	903937.3170250766	39.35221005611976	-101.9239465	248045.6989241125	4359941.98349141	3832.47228459217	3663.988991451197	3543.848102316763	3544.7775992479347	119.62337153104963	119.73048830240474
82	170	12542	-317481.1413	903937.3170250766	39.35223179851468	-101.9216355	248247.9013449448	4359937.265	3826.32040315807	3660.595727272993	3543.4278102307225	3544.3068413257906	117.167199746272	116.28885894027866
83	170	12543	-316821.1413	903937.3170250766	39.352253408515354	-101.9193039	248449.0147543888	4359933.166	3824.323379016097	3658.47535426646	3542.11905340658	3542.11905340658	116.3636301	114.0638406450989
84	170	12544	-316161.1413	903937.3170250766	39.35227056970607	-101.9169712	248650.1271891932	4359929.066328035	3822.306422899847	3656.284524167315	3541.0782935030278	3541.225655704652	115.0268466338712	115.058864626276
85	170	12545	-315501.1413	903937.3170250766	39.35229636248777	-101.9146385	248851.24083527501	4359924.96720411	3820.289466781592	3654.054825754899	3539.3613811150878	3539.361047	114.69181464348048	115.058864626276
86	170	12546	-314841.1413	903937.3170250766	39.35231814248144	-101.9123059	249052.35349727705	4359920.886278791	3818.272732388653	3651.805765664411	3537.4276664057825	3537.547429971081	114.7309925962848	114.5223360333008
87	170	12547	-314181.1413	903937.3170250766	39.35233981625796	-101.9097325	249255.4691472742	4359918.769524119	3817.372988535118	3650.848256290285	3535.1741157514673	3535.490491195063	115.147115732327	114.5223360333008
88	170	12548	-313521.1413	903937.3170250766	39.35236104597839	-101.9074045	249458.5780827302	4359912.671024172	3817.104429	3647.20012758739819	3532.154948923	3532.154948923	114.688553054026	114.4221616001194
89	170	12549	-312861.1413	903937.3170250766	39.35238242864282	-101.9053079	249655.6900319132	4359907.52694933	3816.98602520235	3645.03505275564	3530.27000431669	3531.27315948377	114.75056068589473	107.7637130002625
90	170	12550	-312201.1413	903937.3170250766	39.35240376725065	-101.9029752	249856.8016758669	4359904.475	3816.819252267808	3642.78787728322	3527.736989182373	3526.2509081773674	115.05118954144928	106.5369746544586
91	170	12551	-311541.1413	903937.3170250766	39.35242506	-101.9006425	250057.9130780018	4359900.37632561	3815.786259301523	3640.5486991032444	3525.637033739402	3537.80729062749	114.91166536873923	106.5369746544586
92	170	12552	-310881.1413	903937.3170250766	39.35244630929788	-101.8983098	250259.0240786812	4359896.278998416	3813.681934915713	3638.3216460585814	3523.436715841687	3543.136465585814	114.883455585814	95.1837042040653
93	170	12553	-310221.1413	903937.3170250766	39.35246871273702	-101.8959772	250462.1352052311	4359892.181346535	3811.57107995622	3636.103400707643	3520.823897209816	3549.763581	115.0205093482625	86.39397598642545
94	170	12554	-309561.1413	903937.3170250766	39.35249087119176	-101.893645	250681.2458921625	4359890.0841007	3809.47228459217	3633.889891451197	3518.7441157514673	3535.490491195063	115.147115732327	95.1837042040653
95	170	12555	-308901.1413	903937.3170250766	39.3525179844611	-101.8913118	250862.35623564007	4359883.96892490	3807.587619536828	3631.76801872448	3516.262756411848	3568.52721301428	115.4404545830265	83.17988588185234
96	170	12556	-308241.1413	903937.3170250766	39.35253852711597	-101.889791	251063.4654919182	4359879.8995392	3806.220040409167	3629.526635368039	3512.295677416251	3537.673114646555	117.2309579178824	91.85352021748074
97	170	12557	-307581.1413	903937.3170250766	39.352559187529365	-101.8866464	251264.5755	4359875.73217934	3805.73399264531	3627.358716903145	3508.196468733013	3581.8317143045757	116.919029573016	45.26125734973879
98	170	12558	-306921.1413	903937.3170250766	39.35257854086205	-101.8843138	251465.686161312	4359871.696627643	3803.268589119893	3625.201788	3503.329665402	3522.591276	121.87252194852181	102.61510227898
99	170	12559	-306261.1413	903937.3170250766	39.35259787818646	-101.8819811	251666.7995137499	4359867.600789131	3800.662788791301	3622.05466534262	3497.726471091083	3486.056124044887	123.32999425137905	137.0003412400735
100	170	12560	-305601.1413	903937.3170250766	39.3526146	-101.8796484	251867.9408195816	4359863.504186236	3800.662788791301	3620.92176757514	3491.595234618834	3476.809796413167	123.32999425137905	144.1198152661064
101	170	12561	-304941.1413	903937.3170250766	39.35263616147396	-101.8773983	252072.124945468	4359859.513444378	3799.32047678676	3616.682314909717	3488.3444444444444	3488.3444444444444	123.32999425137905	144.1198152661064
102	170	12562	-304281.1413	903937.3170250766	39.35265770692091	-101.8750316	252271.2309653217	4359851.21646383	3785.766445973235	3614.571056368697	3487.14730170095	3501.01672890946	127.429781959921	113.56589080959232
103	170	12563	-303621.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvgsK4g.ft	BREIEvBothK.g.ft	SurthK4g.ft	SurthBoth.ft
175	10	12545	-249501.1413	903937.3170250766	39.35425247991125	-101.681365	68961.311756641	43595.1670520904	3645.596133695830	3451.695275817813497	3372.7638396901093	3372.823446076191	78.9134369124036	78.87182970515869
186	170	12546	-248841.1413	903937.3170250766	39.35424648602508	-101.6790327	69012.4600170875	43595.11978121562	3640.2444064000582	3450.3683934743587	3372.3411773	3372.4223585612627	78.92716687702878	77.94608062309055
187	170	12547	-248181.1413	903937.3170250766	39.354259459100625	-101.6766969	68933.4883185605	43595.0789923132	3637.404092095402	3449.2511613229156	3371.118593697866722	3371.158114660123	77.88466768279249	77.88466768279249
188	170	12548	-247521.1413	903937.3170250766	39.354276376916005	-101.6743671	68954.6710183475	43595.038035075	3637.088501545272	3447.7883021855472	3369.76621855472	3369.6676295794778	77.94903682905294	76.0807300205294
189	170	12549	-246861.1413	903937.3170250766	39.35429325471735	-101.6720343	68975.6517745284	43594.992404574	3636.7684740714	3446.4065377003607	3368.2622983870765	3367.9587563917175	77.9822751323017	76.107303858912
190	170	12550	-246201.1413	903937.3170250766	39.3543100756685	-101.6697015	68966.7651079096	43594.9634749832	3636.448445593751	3445.2025896072	3366.379634	3367.958767284479	76.82269344	75.802016264787
191	170	12551	-245541.1413	903937.3170250766	39.35432687530247	-101.6673807	68971.674801490837	43594.9158651873	3634.863275254014	3443.968137952440	3363.6114614213217	3363.3168737517617	76.8824691820276	76.06670404384306
192	170	12552	-244881.1413	903937.3170250766	39.35434361797819	-101.6650636	68978.9280920789	43594.8750715889	3632.41219600520722	3442.7049451236249	3360.915747136825	3360.733731334348	76.947479875428	82.0567379001943
193	170	12553	-244221.1413	903937.3170250766	39.35436031558363	-101.6627308	68976.0156434364	43594.8343049489	3630.162941869854	3441.813366418087	3360.271563917975	3360.205914474834	76.9147842813073	81.29386897
194	170	12554	-243561.1413	903937.3170250766	39.35437698914069	-101.6603704	68977.1025683797	43594.7935254811	3628.312329640858	3440.4539	3359.042347	3359.042347	76.90375967744021	80.42429112620027
195	170	12555	-242901.1413	903937.3170250766	39.35439357564544	-101.6580376	68977.1898971097	43594.753259074	3624.801388005157	3439.30009	3359.428055579547	3359.765318603199	76.92703491662285	79.6325273209789
196	170	12556	-242241.1413	903937.3170250766	39.35441103806116	-101.6557408	68977.2759383535	43594.7118131545	3624.626274875614	3438.160568	3358.99862534343	3358.91548006817	76.9170531647685	78.82141304995921
197	170	12557	-241581.1413	903937.3170250766	39.35442665545678	-101.653372	68977.362286762	43594.671221331	3624.452281114706	3437.03076197476	3358.4272143332744	3358.6341355402865	76.90357464101459	78.41646443474344
198	170	12558	-240921.1413	903937.3170250766	39.35444313	-101.6510392	68977.45844808027	43594.624059029	3624.2783427416533	3435.9077602378613	3356.697304207202	3356.737278609124	76.9124736940827	79.131377694089
199	170	12559	-240261.1413	903937.3170250766	39.35445955027695	-101.6487063	68977.5336430355	43594.58498	3622.5554623369023	3434.796986289834	3354.53311202171958	3354.568726473273	76.90346875967874	80.22787235571013
200	170	12560	-239601.1413	903937.3170250766	39.354475937222915	-101.6463735	68977.61974787195	43594.5491678208	3622.2746969697357	3433.889931301763	3352.58897658933	3352.86983807537	76.90997465183005	80.8203850122567
201	170	12561	-238941.1413	903937.3170250766	39.35449227	-101.6440047	68977.705420575	43594.516596999	3620.919930242441	3432.58340798347	3350.9714034055364	3351.1800611136267	76.91120045711037	81.40333468701814
202	170	12562	-238281.1413	903937.3170250766	39.354508566440785	-101.6417709	68977.79747015416	43594.487336091	3619.719162455141	3431.479706517719	3349.132699364669	3349.431400963466	76.910371150076	82.04835933669015
203	170	12563	-237621.1413	903937.3170250766	39.35452481345528	-101.6393751	68977.875793835	43594.462391421	3618.77997377887	3430.37384542312	3347.467784767089	3347.640494404966	76.91056975424272	82.18439084064655
204	170	12564	-236961.1413	903937.3170250766	39.35454101540949	-101.6370423	68977.9605100617	43594.438598438	3617.79350249574	3429.28190557338	3345.56233171684	3345.866688	76.91082439634305	82.6150376103799
205	170	12565	-236301.1413	903937.3170250766	39.35455717230336	-101.6347095	68977.92834050579843	43594.4131062394	3617.5787464309323	3428.189297593394	3343.891979123166	3343.75161093933682	76.9148737614	84.03318681890318
206	170	12566	-235641.1413	903937.3170250766	39.354573264136876	-101.6323767	68977.91423819474	43594.40348	3616.917313005905	3427.09916228543	3342.91136467441376	3342.91592353386	76.9198145840521	84.58625701551662
207	170	12567	-234981.1413	903937.3170250766	39.3545893756910063	-101.6300438	68977.91423819474	43594.391869274	3615.83841802836	3426.097919188449	3341.672960763507	3341.672960763507	76.924737630291	84.4584734281243
208	170	12568	-234321.1413	903937.3170250766	39.35460537622721	-101.6277111	68977.92834050579843	43594.382286389	3615.83841802836	3425.91571838122	3339.05369680733	3339.05369680733	76.924737630291	84.4584734281243
209	170	12569	-233661.1413	903937.3170250766	39.354621392749886	-101.6253782	68977.9381021248	43594.3712373908	3615.06230615268	3424.80218176487	3337.652376343654	3337.652376343654	76.917651833305	85.0512251062092
210	170	12570	-233001.1413	903937.3170250766	39.3546372806678	-101.6230454	68977.9381021248	43594.3614139538	3608.81609509418	3422.724821193763	3336.35640495428	3336.35640495428	76.917651833305	85.0512251062092
211	170	12571	-232341.1413	903937.3170250766	39.35465316739805	-101.6207126	68977.9381021248	43594.35104	3607.724821193763	3421.618851264236	3335.20142555323	3335.20142555323	76.917651833305	85.0512251062092
212	170	12572	-231681.1413	903937.3170250766	39.3546690886879	-101.6183798	68977.9381021248	43594.34033967	3607.724821193763	3420.50956888845	3334.009	3333.207700833686	76.917651833305	85.0512251062092
213	170	12573	-231021.1413	903937.3170250766	39.354684955278684	-101.6160438	68977.9381021248	43594.33019169274	3607.724821193763	3419.38841802836	3332.91136467441376	3332.91136467441376	76.9198145840521	84.58625701551662
214	170	12574	-230361.1413	903937.3170250766	39.35470121	-101.597172	68977.9381021248	43594.319711325	3607.724821193763	3418.2703197497	3331.672960763507	3331.672960763507	76.924737630291	84.4584734281243
215	170	12575	-229701.1413	903937.3170250766	39.35471662691747	-101.613813	68977.9381021248	43594.307642767	3606.318099817564	3417.118904111264	3330.148686826284	3330.148686826284	76.934794365129	84.7025145840521
216	170	12576	-229041.1413	903937.3170250766	39.354731924145774	-101.6090485	68977.9381021248	43594.2956732465	3605.10295477201	3415.96824552211	3328.523731	3328.523731	76.934794365129	84.7025145840521
217	170	12577	-228381.1413	903937.3170250766	39.35474574031335	-101.6067157	68977.9381021248	43594.283657041	3604.881097462304	3414.804073126196	3326.8750446117497	3326.8750446117497	76.934794365129	84.7025145840521
218	170	12578	-227721.1413	903937.3170250766	39.35476173142024	-101.6043829	68977.9381021248	43594.271861877	3604.881097462304	3413.629082148895	3325.213588127644	3325.213588127644	76.934794365129	84.7025145840521
219	170	12579	-227061.1413	903937.3170250766	39.35477857463374	-101.60205	68977.9381021248	43594.26037486	3604.881097462304	3412.4336150231006	3324.481442412344	3324.481442412344	76.934794365129	84.7025145840521
220	170	12580	-226401.1413	903937.3170250766	39.35479471	-101.599712	68977.9381021248	43594.248980979	3604.881097462304	3411.22764679797	3323.674907763507	3323.674907763507	76.934794365129	84.7025145840521
221	170	12581	-225741.1413	903937.3170250766	39.354810954437625	-101.5973844	68977.9381021248	43594.237364154	3604.881097462304	3410.01137818322	3322.8192624126457	3322.8192624126457	76.934794365129	84.7025145840521
222	170	12582	-225081.1413	903937.3170250766	39.354824945239955	-101.5950516	68977.9381021248	43594.22596771982	3604.881097462304	3408.78717787677	3321.738195784152	3321.738195784152	76.934794365129	84.7025145840521
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224	170	12584	-223761.1413	903937.3170250766	39.35485559178473	-101.5903859	68977.9381021248	43594.2031915563	3604.881097462304	3406.58240269932	3319.5662399334	3319.5662399334	76.934794365129	84.7025145840521
225	170	12585	-223101.1413	903937.3170250766	39.35487084746575	-101.5880531	68977.9381021248	43594.1908598	3604.881097462304	3405.53876543953	3318.4256839336	3318.4256839336	76.934794365129	84.7025145840521
226	170	12586	-222441.1413	903937.3170250766	39.35488605408282	-101.5857203	68977.9381021248	43594.178698274	3604.881097462304	3404.454819557387	3317.32123936499	3317.32123936499	76.934794365129	84.7025145840521
227	170	12587	-221781.1413	903937.3170250766	39.3549012384489	-101.583394	68977.9381021248	43594.16671158	3604.881097462304	3403.3258434356	3316.1922135301	3316.1922135301	76.934794365129	84.7025145840521
228	170	12588	-221121.1413	903937.3170250766	39.35491634414596	-101.581046	68977.9381021248	43594.1543319345	3604.881097462304	3402.24564783471	3315.0749266163279	3315.0749266163279	76.934794365129	84.7025145840521
229	170	12589	-220461.1413	903937.3170250766	39.35493141958001	-101.5787218	68977.9381021248	43594.142375097	36					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen-ft	W.Ln	BREIveKtKgr-ft	BREIveBothKgr-ft	SatHtkKgr-ft	SatHtkBoth-ft	
311	170	125371	-166341.1413	903937.3170250766	39.56601426013954	-101.38742623	294296.77807866303	4359903.649046725	3477.7419173478625	3210.582054133834	3210.308340754723	3210.4524760279888	87.70820498190997		
312	170	125372	-166581.1413	903937.3170250766	39.56602595418163	-101.38503434	294597.63826707096	4358999.594485098	3416.7053411384363	3212.937420460385	3212.937420460385	87.7540697300094	84.42400900375145		
313	170	125373	-166821.1413	903937.3170250766	39.56603682657434	-101.38276305	294698.8013745704	4358995.540482938	3415.6687649297286	3215.92364534116	3214.832946452198	87.8182417217398	85.1535866		
314	170	125374	-166341.1413	903937.3170250766	39.56604813078641	-101.3804276	294899.627706091	4358984.404704266	3412.6342186719535	3234.9347852728324	3217.420279979228	3216.9692041180455	77.9655451547892		
315	170	125375	-163701.1413	903937.3170250766	39.56605933087568	-101.3780847	295101.02386519604	4358987.434004221	3411.7400087743236	3233.862236390988	3219.45321032133	3218.9893461908528	74.4909232885501	74.67289340131516	
316	170	125376	-163041.1413	903937.3170250766	39.566070485901725	-101.3757618	295302.0480808361	4358983.830032121	3408.88244750328	3232.7688136417228	3221.1878461018046	3220.73947464374	71.5806733991822	72.0286981	
317	170	125377	-162281.1413	903937.3170250766	39.56608159586454	-101.3734289	295503.14555005704	4358979.327	3402.0644414121502	3231.652773262313	3222.033833134989	3220.638277371695	69.61944422746236	69.8157899584513	
318	170	125378	-161721.1413	903937.3170250766	39.56609266	-101.371096	2956170.20609142876	4358975.273804291	3397.2446577302776	3230.5150237762978	3221.5900430337687	3221.486178844194	68.9248374	69.02884439210377	
319	170	125379	-161081.1413	903937.3170250766	39.56610360860307	-101.3687831	295805.26654317405	4358971.2208869359	3389.620181937515	3228.554669	3219.981781181658	3219.81623069234	68.9378874468914	69.0378874468914	
320	170	125380	-160401.1413	903937.3170250766	39.5661146537335	-101.3664302	296106.52651751204	4358967.185634436	3381.191104303415	3228.137567267363	3217.844774945125	3217.399601455675	70.5282778	70.738558116874	
321	170	125381	-159741.1413	903937.3170250766	39.56612556083014	-101.3640973	296307.38651094784	4358963.115945117	3378.16781846	3226.9373063	3214.61032673838	3214.416378318164	72.37167003	72.55668439149576	
322	170	125382	-159081.1413	903937.3170250766	39.56613647	-101.3617643	296508.44052505394	4358969.603714587	3368.3267821494	3285.7545652545405	3217.77495215091	3211.5521124698048	73.97770703049425	74.20245278513266	
323	170	125383	-158421.1413	903937.3170250766	39.566147309312256	-101.3594314	296709.50578653835	4358955.0168446	3353.845196858492594	3280.3280930345093	3216.4728216826	3215.919559334575	75.371953746958	75.478073746958	
324	170	125384	-157761.1413	903937.3170250766	39.56615810383183	-101.3570985	296910.565129369	4358950.959851683	3341.29916200371	3283.270933055205	3207.449814850881	3207.294948927904	75.5121812	75.67930812740135	
325	170	125385	-157101.1413	903937.3170250766	39.56616888	-101.3547656	297111.62469851094	4358946.908	3328.7552037711504	3282.018343588154	3205.824412258017	3205.731006112417	76.185921001376	76.2793582733424	
326	170	125386	-156441.1413	903937.3170250766	39.5661795768072	-101.3524327	297312.6832103842	4358942.85676	3316.207252346947	3280.7412369576	3204.50246150094	3204.31777476871724	76.2377754049251	76.42734720340422	
327	170	125387	-155781.1413	903937.3170250766	39.56619021701001	-101.3500988	297513.741920217	4358943.58535	3305.1635418429966	3279.461433984138	3203.371125120188	3203.2558726528237	76.009308835192	76.20565133	
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332	170	125392	-152481.1413	903937.3170250766	39.5662428770526	-101.3384352	298519.37081271716	4358918.552726241	3268.01497472785	3202.739367482177	3198.697077147901	3199.216454548034	74.2422603247628	73.7247242638712	
333	170	125393	-151821.1413	903937.3170250766	39.5662532657434	-101.3357473	298710.290269291	4358914.809341174	3265.45198937322	3202.43164523037	3198.02485790929	3197.813228175815	74.0128207257382	74.0128207257382	
334	170	125394	-151161.1413	903937.3170250766	39.56626357054202	-101.3337693	298921.1478954586	4358910.452	3262.67120320647	3200.93309265396	3195.865736	3195.865736	73.1335941229976	72.935053332396	
335	170	125395	-150501.1413	903937.3170250766	39.5662738963301	-101.3314364	299122.2048275336	4358906.402685403	3262.016020520547	3200.8179374249963	3194.6702139136948	3195.6737415201406	73.075213311301461	72.90465228226246	
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337	170	125397	-149181.1413	903937.3170250766	39.5662943381407	-101.3267706	299524.3186537842	4358898.303942611	3260.289357100241	3200.679833100241	3191.6993203804434	3193.2130532137	73.075213311301461	71.791417759495	
338	170	125398	-148521.1413	903937.3170250766	39.56630449544412	-101.3244377	299725.751289308	4358894.254966525	3260.324907429467	3202.31566151611	3189.829246001634	3191.925022146095	72.4863715744073	73.09046401	
339	170	125399	-147861.1413	903937.3170250766	39.56631461401051	-101.3221407	299926.4515	4358890.926987301	3259.44415286637	3200.63350532673	3189.02485790929	3189.02485790929	72.4863715744073	73.09046401	
340	170	125400	-147201.1413	903937.3170250766	39.56632468751315	-101.3197718	300172.4877465059	4358895.175194025	3259.44415286637	3200.63350532673	3189.02485790929	3189.02485790929	72.4863715744073	73.09046401	
341	170	125401	-146541.1413	903937.3170250766	39.56633415952604	-101.317489	300328.543654375	4358882.108053398	3257.964199216268	3256.36568	3185.393612371971	3185.393612371971	72.4863715744073	73.09046401	
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343	170	125403	-145221.1413	903937.3170250766	39.56635463763875	-101.312773	300730.6550916215	4358874.014238805	3253.559204	3252.394544889346	3181.102212855434	3185.874656641395	71.2923230334051	66.5198442797982	
344	170	125404	-144561.1413	903937.3170250766	39.56636433086445	-101.310401	300931.7103975406	4358869.94543816	3252.189535562384	3250.409837803792	3179.5744667546724	3184.7457269140911966	65.6188117403671	65.6188117403671	
345	170	125405	-143901.1413	903937.3170250766	39.56637437907200	-101.3081072	301132.76595059104	4358865.91245859	3331.819877250585	3248.4269859838	3178.396121556183	3184.8491313088946	70.0298464276996	65.5387171840355	
346	170	125406	-143241.1413	903937.3170250766	39.56638442190254	-101.3057473	301333.620582921	4358861.803941174	3330.45198937322	3246.43164523037	3178.02485790929	3178.02485790929	65.5387171840355	65.5387171840355	
347	170	125407	-142581.1413	903937.3170250766	39.566394360246576	-101.3034413	301534.875391085	435885.822039556	3345.1663189713904	3244.1772745905	3177.54069270829	3176.6212845370941176	65.5387171840355	65.5387171840355	
348	170	125408	-141921.1413	903937.3170250766	39.56640353238935	-101.3011084	301735.92999049	4358853.774831727	3348.968230510312	3242.48024781723	3176.644024601303	3182.3225324556687	65.5387171840355	65.5387171840355	
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351	170	125411	-139941.1413	903937.3170250766	39.56643238132022	-101.2941096	302339.956926205	4358843.634789808	3358.1790347101334	3236.554245	3174.90034367762	3180.2964744075554	61.63200431332469	56.2574813323469	
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353	170	125413	-138621.1413	903937.3170250766	39.56645261418251	-101.289432	302740.290269291	4358833.620582921	3356.820582921	3234.81592014494	3174.8617113466727	3180.01639159653	59.989866920174	54.5652018529305	
354	170	125414	-137961.1413	903937.3170250766	39.56646098451700	-101.2871108	302942.25367791	4358829.45416923	3356.67859191887	3230.6315483827	3174.744237420163	3178.02485790929	58.87491721605418	52.091759927627325	

ix	iy	ix.X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
437	170	125497	-83181.14133	903937.3170250766	39.5707862681549	-01.0934756	119299.0351	4358494.369514613	31.419226858007	2979.98161125968	2979.560185948386	51.3473145453858	51.85900486967016
438	170	125498	-83221.14133	903937.3170250766	39.5705303295958	-01.0911426	119303.0713153386	4358490.340085374	3207.32671262963	3029.579013360558	2978.083650399017	51.8813269615107	52.29625627184209
439	170	125499	-83161.14133	903937.3170250766	39.57098896110775	-01.0948927	119295.1107570824	4358463.3108285202	3207.0281649174918	3028.56492935827	2978.307336849506	52.2567357112639	52.64468518896
440	170	125500	-82101.14133	903937.3170250766	39.57040483160574	-01.0864767	119232.14832030053	4358482.28115083	3206.99826510703	3027.1843541622003	2974.736727470083	52.4666716953609	52.3891919156242
441	170	125501	-80841.14133	903937.3170250766	39.570109985145186	-01.0841437	120433.1857124158	4358478.252740098	3210.966403810967	3025.835367394346	2973.63860796302	52.1967946440516	52.17255884181077
442	170	125502	-79881.14133	903937.3170250766	39.5711542606463	-01.0818107	120634.22296230083	4358474.324329873	3204.516782803364	3024.516782803364	2972.614615572438	52.14820172306279	52.18420172306279
443	170	125503	-79221.14133	903937.3170250766	39.5710828391883	-01.0794778	120835.259964885	4358470.15969969	3215.34071297973	3023.2251805373303	2972.05540909363	51.4662761273934	51.169421453615996
444	170	125504	-78561.14133	903937.3170250766	39.571262807716	-01.0771448	121036.296828374	4358466.168	3218.179314141	3021.96083915828	2971.4177446375	50.54605452369128	50.26131473265868
445	170	125505	-77961.14133	903937.3170250766	39.57131622419078	-01.0748118	121237.3335189986	4358465.78714198	3220.70899234729	3020.70899234729	2970.4748907185124	50.71183691690487	50.6853373
446	170	125506	-77411.14133	903937.3170250766	39.5713697180871	-01.0724788	121438.3703093114	4358458.1171090415	3221.63585922477	3019.503940177637	2969.897637452476	49.5164027451616	49.07249860761791
447	170	125507	-76581.14133	903937.3170250766	39.5714217068309	-01.0701458	121639.40637038747	4358454.084040472	3223.007738614585	3018.30837206887	2971.4653383905025	49.71836570180969	49.6428913508447
448	170	125508	-75921.14133	903937.3170250766	39.5714772771098	-01.0678129	121840.4245355735	4358450.05657089	3218.4718971895565	3017.133344	2972.2095396382156	49.223042067439	49.592767032611
449	170	125509	-75261.14133	903937.3170250766	39.5715254	-01.0654799	122041.478266963	4358449.320302085	3213.936635762585	3015.97594214444	2973.5345495488527	49.2350869811234	49.2350869811234
450	170	125510	-74601.14133	903937.3170250766	39.5715765507902	-01.0631469	122242.5143439575	4358442.0225061	3208.4017243395004	3014.839555086004	2974.7597202406214	49.0798326797898	39.904264297502596
451	170	125511	-73941.14133	903937.3170250766	39.57162726402928	-01.060814	122453.5499675681	4358437.95343897	3205.8017780399058	3013.71943284255	2973.5861396800165	49.1747301362955	37.5952429218077
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463	170	125523	-66021.14133	903937.3170250766	39.572203779185	-01.0328182	124855.9643	4358389.68	3174.174204231857	3001.1463150383584	2961.5132567690507	49.07738956472318	37.70569773470697
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472	170	125532	-60081.14133	903937.3170250766	39.57258814274765	-01.0118124	126665.25882411944	4358353.450292787	3157.81579009015	2992.2973039359	2971.173891148796	49.07738956472318	57.7258454325012
473	170	125533	-59421.14133	903937.3170250766	39.5726289416754	-01.0094884	126866.290727535	4358349.435320852	3157.5941987103123	2991.319487106767	2972.220449607434	49.07738956472318	59.75246085795192
474	170	125534	-58761.14133	903937.3170250766	39.572669289511	-01.0071554	127067.3224371685	4358345.41144691	3156.7003351561	2990.344987242153	2970.79969064515	49.07738956472318	61.587097174237916
475	170	125535	-58101.14133	903937.3170250766	39.572702	-01.0048224	127268.353971166	4358341.38869425	3154.490317869229	2989.36834907855	2969.1593093405054	49.07738956472318	59.8329912956914796
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482	170	125542	-53481.14133	903937.3170250766	39.57297635525296	-00.9884915	128675.700260941	4358313.39182294	3149.4507160222	2982.494750916022	2974.88407415075	49.07738956472318	67.3625217249008
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484	170	125544	-52161.14133	903937.3170250766	39.573034798664735	-00.9838259	129077.6302	4358305.198148861	3147.037968153336	2980.52018410292	2968.655170688773	49.07738956472318	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKgr.ft	BREIEvLogKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
563	170	125623	-21.14312693	903937.3170250766	-90.35745455007274	-100.79959191	34698.4928173778	4357988.202725012	3021.3972813712826	287.118959698164	2784.256962722452	2784.4929914319605	2861189727436252	82.6259683758408
564	170	125624	-23.8586730733514	903937.3170250766	-90.3574455194337	-100.7971861	345159.5102	4357984.17304236	2805.87772059473	2865.0438971251147	2783.722851849148	2783.8977998403874	81.3210452796675	81.14609728
565	170	125625	-23.8586730733514	903937.3170250766	-90.3574455194337	-100.7971861	345159.5102	4357984.17304236	2805.87772059473	2865.0438971251147	2783.722851849148	2783.8977998403874	81.3210452796675	81.14609728
566	170	125626	-23.8586730733514	903937.3170250766	-90.3574455194337	-100.7971861	345159.5102	4357984.17304236	2805.87772059473	2865.0438971251147	2783.722851849148	2783.8977998403874	81.3210452796675	81.14609728
567	170	125627	-26.18.8586730733514	903937.3170250766	-90.3574455194337	-100.7971861	345159.5102	4357984.17304236	2805.87772059473	2865.0438971251147	2783.722851849148	2783.8977998403874	81.3210452796675	81.14609728
568	170	125628	-32.78.8586730733514	903937.3170250766	-90.3574455194337	-100.7971861	345159.5102	4357984.17304236	2805.87772059473	2865.0438971251147	2783.722851849148	2783.8977998403874	81.3210452796675	81.14609728
569	170	125629	-33.8586730733514	903937.3170250766	-90.35744473804869	-100.7855212	346164.5946	4357964.17304236	3003.960471671773	2854.6262800629955	2785.718846183488	2785.166465	75.16539609252391	75.16539609252391
570	170	125630	-45.98.8586730733514	903937.3170250766	-90.3574444656421	-100.7831882	346365.6110627515	4357960.173284584	3003.960471671773	2854.6262800629955	2785.718846183488	2785.166465	75.16539609252391	75.16539609252391
571	170	125631	-52.98.8586730733514	903937.3170250766	-90.357444411001387	-100.786855	346566.839944111	4357956.169889703	2986.377042128814	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
572	170	125632	-59.18.8586730733514	903937.3170250766	-90.357443283976	-100.778522	346767.545027131	4357952.16662776	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
573	170	125633	-65.78.8586730733514	903937.3170250766	-90.35744307115605	-100.7761892	346868.559496473	4357948.16391769	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
574	170	125634	-72.28.8586730733514	903937.3170250766	-90.35744283	-100.7738652	347169.675341566	4357944.160750704	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
575	170	125635	-78.98.8586730733514	903937.3170250766	-90.357442315393	-100.7715232	347370.691048478	4357940.158104557	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
576	170	125636	-85.58.8586730733514	903937.3170250766	-90.3574417124344	-100.7691902	347571.706607247	4357936.15563326	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
577	170	125637	-92.18.8586730733514	903937.3170250766	-90.3574414422888	-100.7668572	347727.72200519184	4357932.13969337	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
578	170	125638	-98.78.8586730733514	903937.3170250766	-90.3574409231757	-100.7645242	347973.7326205504	4357928.15133564	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
579	170	125639	-103.58.8586730733514	903937.3170250766	-90.35743979524044	-100.7621912	348174.75237151916	4357920.149	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
580	170	125640	-111.98.8586730733514	903937.3170250766	-90.35743905309746	-100.7598582	348375.763773673	4357910.14797354	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
581	170	125641	-118.58.8586730733514	903937.3170250766	-90.35743826588861	-100.7575252	348576.782148096	4357916.14620555	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
582	170	125642	-125.18.8586730733514	903937.3170250766	-90.3574373431394	-100.7551922	348777.7968175687	4357912.145	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
583	170	125643	-131.78.8586730733514	903937.3170250766	-90.357436562734	-100.7528592	348978.8113394874	4357908.14391638	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
584	170	125644	-138.38.8586730733514	903937.3170250766	-90.35743536367055	-100.750262	349179.8257153357	4357904.143059295	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
585	170	125645	-145.38.8586730733514	903937.3170250766	-90.35743419825367	-100.7478641	349374.19101984	4357900.143059295	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
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587	170	125647	-158.18.8586730733514	903937.3170250766	-90.35743256295828	-100.7435272	349782.8679654806	4357892.14515505	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
588	170	125648	-164.78.8586730733514	903937.3170250766	-90.3574318358274	-100.7411942	349983.8818570505	4357888.141436612	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
589	170	125649	-171.38.8586730733514	903937.3170250766	-90.357430335	-100.7388613	350184.8955042617	4357884.15184615	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
590	170	125650	-179.58.8586730733514	903937.3170250766	-90.35742915308824	-100.7365283	350385.9090587821	4357880.141795102	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
591	170	125651	-186.58.8586730733514	903937.3170250766	-90.3574279178626	-100.7342853	350582.9236255458	4357876.14226526	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
592	170	125652	-191.18.8586730733514	903937.3170250766	-90.357426932789	-100.7320164	350782.7744844	4357872.14293271	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
593	170	125653	-197.78.8586730733514	903937.3170250766	-90.35742530426775	-100.7295293	350988.984841898	4357868.14393989	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
594	170	125654	-204.38.8586730733514	903937.3170250766	-90.35742393118212	-100.7271963	351189.961564838	4357864.145	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
595	170	125655	-210.98.8586730733514	903937.3170250766	-90.35742251305165	-100.7248633	351390.9743439547	4357860.146	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
596	170	125656	-217.58.8586730733514	903937.3170250766	-90.35742104985308	-100.7225303	351591.9869701226	4357856.17455091	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
597	170	125657	-224.18.8586730733514	903937.3170250766	-90.35742019715228	-100.7201973	351792.9994070619	4357852.14985032	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
598	170	125658	-231.18.8586730733514	903937.3170250766	-90.3574193825367	-100.7178641	351994.18128293	4357848.15101984	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
599	170	125659	-237.58.8586730733514	903937.3170250766	-90.35741856871695	-100.7155213	352195.0213	4357844.153049071	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
600	170	125660	-243.98.8586730733514	903937.3170250766	-90.35741744412196	-100.7131983	352396.0368241574	4357840.15271525	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
601	170	125661	-250.58.8586730733514	903937.3170250766	-90.35741637888916	-100.7108653	352597.0480278426	4357836.15789133	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
602	170	125662	-257.18.8586730733514	903937.3170250766	-90.35741513242958	-100.7085323	352798.05977867136	4357832.16035038	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
603	170	125663	-263.78.8586730733514	903937.3170250766	-90.3574094563892	-100.7061993	352999.0714210795	4357828.163113541	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
604	170	125664	-270.38.8586730733514	903937.3170250766	-90.3574072191628	-100.703863	353200.082021677	4357824.1659382	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
605	170	125665	-276.98.8586730733514	903937.3170250766	-90.3574059832789	-100.7015243	353401.04952286	4357820.168913833	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
606	170	125666	-283.58.8586730733514	903937.3170250766	-90.35740439392758	-100.699204	353602.105449288	4357816.17270592	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
607	170	125667	-290.18.8586730733514	903937.3170250766	-90.3574019803538	-100.6968764	353803.1165240525	4357812.17629734	2996.8757465115	2850.362874746032	2786.89898401797	2787.610085540706	78.567022	78.567022
608	170	125												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	WathtSktLog.ft	SurfBothKrg.ft
68	15749	83198.8586730335	903937.3170250766	39.5708799059133	-00.555626	72058.5617606153	4357485.1319395825	2797.766778595922	2569.982839181351	2562.050487072647	2593.483282831822	77.93235210870444	46.99010485628986	
69	15750	83198.8586730335	903937.3170250766	39.5708229123304	-00.553227	72058.5615987469	4357485.11651065	2800.183550526247	2568.439991103304	2562.053943866912	2592.089643793426	79.80604523791817	46.35434710337474	
69	15751	84458.8586730335	903937.3170250766	39.570764860956	-00.490897	72067.2146970325	4357477.11584422	2801.881459119126	2568.904148516112	2564.943878504154	2587.65682815598	81.94732432240202	49.23581323801778	
69	15752	84458.8586730335	903937.3170250766	39.5707043123004	-00.495327	72068.56170974034	4357473.191655712	2798.3050467261147	2635.334107479784	2551.461365478415	2584.20408473725643	81.94732432240202	51.09302303530066	
69	15753	85778.8586730335	903937.3170250766	39.5706482276716	-00.496208	72109.5609210795	4357469.212	2796.372963375105	2637.712655180232	2547.2622752061325	2580.4485905853925	86.50889931189965	53.32177746	
69	15754	86438.8586730335	903937.3170250766	39.57059043148254	-00.493878	72120.5604	4357465.23243582	2794.362504234816	2632.2018914260084	2543.424403652415	2582.94954	87.7487777	49.25235141668304	
69	15755	87098.8586730335	903937.3170250766	39.5705311846423	-00.491568	72149.55984883966	4357461.25311677	2786.855025445748	2606.6282675642856	2539.131052	2567.54530651567	91.49253671755541	63.0809791	
69	15756	87758.8586730335	903937.3170250766	39.57047415	-00.489218	72162.59912900117	4357457.27399105	2773.813282369116	2629.449262799116	2534.7113260313936	2565.4078082106645	94.3330025	73.56412006924711	
69	15757	88418.8586730335	903937.3170250766	39.5704113380068	-00.486989	72183.5582949603	4357453.30660908	2769.16195214014	2627.489839695165	2530.089225741216	2546.26115250988	96.9497161229488	75.2452454862851	
69	15758	89078.8586730335	903937.3170250766	39.57035704202154	-00.484569	72204.55521770674	4357449.1322507	2747.4884869981482	2625.98890017336	2528.13780190025	2540.5630245570092	97.731508911710677	85.2058474473035	
69	15759	89738.8586730335	903937.3170250766	39.5702869077184	-00.4822328	72225.55626077184	4357445.3777857	2738.727174526706	2624.278297433241	2527.985299236628	2541.1649801348323	96.29299819460656	83.131371739649	
70	15760	90398.8586730335	903937.3170250766	39.5702281906772	-00.4799	72246.5550156309	4357441.35492822	2736.8962371381813	2622.691175182337	2529.891644103254	2547.2355724236216	98.00210108	75.456166937441	
70	15761	91058.8586730335	903937.3170250766	39.5701662399323	-00.477567	72267.55638080945	4357437.381272696	2734.8052381079425	2621.118917585260	2533.223671185348	2556.735010572623	82.980044	64.3839071269827	
70	15762	91718.8586730335	903937.3170250766	39.570103835367	-00.475234	72288.55222306	4357433.40310366	2731.11423428804	2619.5837601223506	2537.2254639505415	2561.5396283790424	82.35824671730907	58.0440774330821	
70	15763	92378.8586730335	903937.3170250766	39.570040969491	-00.472901	72309.5504487454	4357429.428	2730.35329518817	2618.153720613505	2540.4491492696823	2565.962481128897	77.6824398317125	59.1691557	
70	15764	93038.8586730335	903937.3170250766	39.569977837653	-00.470581	72330.5480440746	4357425.44776077	2724.743671612128	2616.8133222087	2541.534211814793	2551.6820771210677	75.2914208606774	55.149556110142	
70	15765	93698.8586730335	903937.3170250766	39.569913034048	-00.468251	723501.547117587	4357421.40786095	2728.12690232615	2615.72678132428	2539.99874192073	2552.961243683969	75.728099166344	62.76505469133586	
70	15766	94358.8586730335	903937.3170250766	39.569874264536	-00.4659022	723702.554178079	4357417.49338977	2724.710249870275	2614.73782105269	2536.179534	2543.2995795172505	78.45943386161877	71.4742925813318	
70	15767	95018.8586730335	903937.3170250766	39.569780178083	-00.463592	723903.5431123437	4357413.516405415	2724.96378	2613.904139753412	2530.601261061706	2532.643712527768	83.3028789170434	81.26042745964385	
70	15768	95678.8586730335	903937.3170250766	39.5697190665129	-00.4612362	724104.5400274576	4357409.33596058	2726.48757027501	2613.074908705677	2528.685773232715	2537.739970806863	84.3028736120613	85.3439374	
70	15769	96338.8586730335	903937.3170250766	39.5696584105682	-00.4589033	724305.5368209216	4357405.69299715	2722.01362997715	2612.26474298707	2536.96431029943	2536.382969	76.2983294847076	75.88177432376187	
70	15770	96998.8586730335	903937.3170250766	39.569588403759	-00.4565703	724506.536	4357401.56858462	2722.01362997715	2611.461961018038	2535.450584871389	2534.74802470287	76.0113761304670	76.71393676151683	
71	15771	97618.8586730335	903937.3170250766	39.5695197386077	-00.454273	724707.5384643344	4357397.61888827	2722.01362997715	2610.288197194532	2534.6897194511475	2535.089427194511475	82.35824671730907	82.35824671730907	
71	15772	98318.8586730335	903937.3170250766	39.569455	-00.451904	724908.530978884	4357393.63444097	2718.912579149568	2609.845305252596	2540.0715194155227	2550.532962509802	80.77302139736854	85.212659796171374	
71	15773	98978.8586730335	903937.3170250766	39.5693876802964	-00.4495714	725109.52819141676	4357389.658512971	2714.120698374656	2609.010421130953	2544.789944218048	2545.156472268316	82.07721891488	83.854568948279414	
71	15774	99638.8586730335	903937.3170250766	39.5693198711058	-00.4472384	725310.5253	4357385.682755435	2709.65015844316	2608.136152678335	2528.069102974364	2552.844935	80.067050409713	82.291271983347	
71	15775	100298.8586730335	903937.3170250766	39.5692516112665	-00.4449553	725511.522575116	4357381.70473181	2706.337117789305	2607.199801203183	2527.76208402382	2528.040919645374	80.067050409713	79.15089815578086	
71	15776	100958.8586730335	903937.3170250766	39.56918290074425	-00.4425725	725712.51921140647	4357377.32179724	2704.77063383441	2606.193467154534	2537.179719501433	2536.733065	80.067050409713	69.46038133827324	
71	15777	101628.8586730335	903937.3170250766	39.5691197386077	-00.440228	725913.519466727	4357373.37123309	2703.007798687915	2605.322659677298	2542.169740424117	2538.08947194511475	82.35824671730907	69.46038133827324	
71	15778	102378.8586730335	903937.3170250766	39.5690541284756	-00.4379056	726114.526257048424	4357369.78260546	2701.244375702454	2604.398461051098	2540.0715194155227	2550.532962509802	82.35824671730907	69.46038133827324	
71	15779	102938.8586730335	903937.3170250766	39.5689740653891	-00.4355738	726315.5090556167	4357365.80791427	2698.92097320078	2602.300957853373	2535.0961442297075	2533.72722551516	82.35824671730907	69.46038133827324	
71	15780	103598.8586730335	903937.3170250766	39.568903523076	-00.4332407	726516.538429496	4357361.831159465	2697.06267391277	2601.81565298502	2542.1361713154683	2543.481971956106	82.35824671730907	69.46038133827324	
71	15781	104258.8586730335	903937.3170250766	39.5688325885782	-00.4309077	726717.5016987758	4357357.888430295	2696.1584525068	2600.688277295821	2543.932501112167	2547.75790559258076	82.35824671730907	69.46038133827324	
71	15782	104918.8586730335	903937.3170250766	39.5687611742011	-00.4285748	726918.49478119683	4357353.884745861	2695.328190532087	2599.832684981902	2531.9568020908528	2531.862134750367	82.35824671730907	69.46038133827324	
71	15783	105638.8586730335	903937.3170250766	39.5686989091759	-00.4262418	727119.493865729	4357349.91081253	2694.485259517	2598.469574395834	2528.950521598994	2530.159384192748	82.35824671730907	69.46038133827324	
71	15784	106238.8586730335	903937.3170250766	39.5686253026	-00.423908	727320.4972575901	4357345.337150205	2693.64441168172	2597.3782515307	2527.907714002794	2530.159384192748	82.35824671730907	69.46038133827324	
71	15785	106898.8586730335	903937.3170250766	39.5685442271839	-00.4215759	727512.4855619826	4357341.9634275	2692.7368347686	2596.32849857682	2524.92994772424	2525.36873848516	82.35824671730907	69.46038133827324	
71	15786	107558.8586730335	903937.3170250766	39.5684710102161	-00.4192429	727722.481234125	4357337.9032919	2691.024716013645	2595.133353074716	2519.3245321736562	2519.39370189039	75.7939031410638	75.726433043251	
71	15787	108218.8586730335	903937.3170250766	39.5683973246015	-00.41691	727923.47678918566	4357333.01708637	2690.466225407607	2593.9901	2513.3761639574495	2513.4385125928375	80.067050409713	80.067050409713	
71	15788	108898.8586730335	903937.3170250766	39.5683232243401	-00.414557	728124.4722724061	4357330.044281921	2689.6702089518567	2592.872732887003	2510.509347313473	2513.4385125928375	80.067050409713	80.067050409713	
71	15789	109538.8586730335	903937.3170250766	39.5682488554315	-00.4122441	728325.467485975	4357326.01754876	2688.731495446527	2591.75257349559	2500.00442572977	2509.840848995284	82.35824671730907	82.35824671730907	
71	15790	110198.8586730335	903937.3170250766	39.5681735367562	-00.4099111	728526.46275410935	4357322.09090317	2687.018719414847	2590.621734392777	2498.821734466678	2498.820769898195	82.35824671730907	82.35824671730907	
71	15791	110818.8586730335	903937.3170250766	39.5681019740979	-00.407584	728727.467485975	4357318.01754876	2686.0719414847	2589.621734392777	2498.821734466678	2498.820769898195	82.35824671730907	82.35824671730907	
71	15792	111518.8586730335	903937.3170250766	39.568022442867	-00.4052152	728928.467485975	4357314.01754876	2685.1269414847	2588.621734392777	2498.821734466678	2498.820769898195	82.35824671730907	82.35824671730907	
71	15793	112178.8586730335	903937.3170250766	39.5679458	-00.4029122	729129.467485975	4357310.182551463	2684.170760385127	2587.179724175811	2497.390328866774	2497.60426904717	82.35824671730907	82.35824671730907	
71	15794	112838.8586730335	903937.3170250766	39.567869051912	-00.4									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKsg.f	BRElevBothK.f	SatHtKsg.f	SatHtBoth.f
75	171	125875	-32201.1413	904597.3170250766	39.35389159714537	-101.9379934	44684.2096237904	4306167.261876463	3808.420852220503	370.4363417550317	3551.4303704273743	3556.7581370176895	119.00997132765733	113.67820737423218
76	171	125876	-32144.1413	904597.3170250766	39.35391357	-101.9396067	447045.2467539392	4306136.16717645	3815.5346675111264	3699.5959143929758	3549.202589562147	3555.12205604917	120.39332485815962	114.47385834329591
77	171	125877	-32079.1413	904597.3170250766	39.35393549	-101.9393328	447246.4396	4306159.59674219	3827.64846	3698.7082138722617	3547.2378159467928	3548.435241590516	121.46099732816716	115.24781723174712
78	171	125878	-32021.1413	904597.3170250766	39.3539373183213	-101.9390953	447447.5537304673	4306154.958997575	3829.726818371972	3667.718518371972	3545.82039553638	3548.93667312197	121.88122836341	118.3748510597521
79	171	125879	-31964.1413	904597.3170250766	39.35397026612735	-101.9286626	447468.66733096	4306152.84539065	3832.253659272534	3666.51842820788	3544.93465996779	3546.5686612570685	121.58406221130917	119.94976690917
80	171	125880	-31880.1413	904597.3170250766	39.35400936373705	-101.9263299	447489.7818843362	4306146.75803211	3830.12256542733	3667.718477066433	3544.311064969433	3545.166654	121.6002120699969	119.80751323428291
81	171	125881	-31814.1413	904597.3170250766	39.35402271400486	-101.9239971	448050.8958673356	4306146.75803211	3827.991424119353	3660.0789184194055	3543.744044552647	3544.655892	119.33487386675824	118.47230261148156
82	171	125882	-31748.1413	904597.3170250766	39.35404444	-101.9216644	448252.003970576	4306138.5740749955	3835.860379081635	3660.94560663636	3542.863626728872	3545.22127360663	118.10102423847638	115.74377805057005
83	171	125883	-31682.1413	904597.3170250766	39.3540669516884	-101.9193371	448453.1222434932	4306134.58178954	3838.917221551053	3658.7082138722617	3541.8458216791347	3544.489815701347	116.89914683269593	115.24781723174712
84	171	125884	-31616.1413	904597.3170250766	39.35408774065516	-101.916999	448654.2351981999	4306130.358611074	3842.1220298201683	3656.473271540525	3540.584287154027	3542.0515442128073	121.46099732816716	114.42568294124521
85	171	125885	-31550.1413	904597.3170250766	39.3541029910435	-101.9146663	448855.34700413294	4306128.529240421	3820.4068280893234	3654.190759485356	3538.10703469047	3539.356592548575	115.0837250485875	114.823434973445
86	171	125886	-31484.1413	904597.3170250766	39.3541307848632	-101.9123335	449056.460361446	4306122.160074995	3818.651626358458	3651.889616745555	3537.460994979684	3537.930694259677	114.4295172578712	113.96722458771
87	171	125887	-31418.1413	904597.3170250766	39.35415226821103	-101.9100008	449257.5725703698	4306118.001104887	3817.472301954546	3649.680145604283	3535.881554635665	3537.930694259677	113.726590986148	115.6652809064939
88	171	125888	-31352.1413	904597.3170250766	39.35417360278454	-101.9076881	449458.6845311394	4306113.962333094	3816.8688648898454	3647.323747469504	3533.99222854205	3533.381171932523	113.351189245557	113.9419755244139
89	171	125889	-31286.1413	904597.3170250766	39.35419607628576	-101.9053353	449659.7962396336	4306109.86374308	3816.2854078161254	3645.481272977686	3532.129292767273	3534.169259564857	121.9388343049599	110.8812023418186
90	171	125890	-31220.1413	904597.3170250766	39.35421641541132	-101.9030026	449860.907708744	4306105.76380022	3815.66190745385	3642.783269894514	3527.5481392825455	3534.17354670115	115.2351576989494	107.0882142379957
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119	171	125919	-29306.1413	904597.3170250766	39.35481565074867	-101								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
201	171	126001	-238941.1413	904597.3170250766	39.56630497586541	-01.64406167	272182.78843808104	435962580.81	3619.8748989598912	3302.073962910753	3350.562039831092	3350.929652955239	81.11519203966085	81.14410995551407
202	171	126002	-238291.1413	904597.3170250766	39.56632126836421	-01.6417289	272383.8735625025	43596400487926	3618.6431367152964	3340.9655152246257	3348.8496025328113	3349.1411821749293	82.10571269201445	81.818330489641
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236	171	126036	-215841.1413	904597.3170250766	39.568364013089	-01.5624419	279220.631755617	4359910.156349719	3553.211521030508	3394.923122292096	3297.809702213299	3299.425132292096	97.6641345292263	95.1641345292263
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242	171	126042	-211881.1413	904597.3170250766	39.56893607321767	-01.5484134	280427.9521628474	4359885.12187727	3536.30439545999	3388.613444033133	3296.664504848775	3299.465454569735	98.49039038174535	89.1481984633758
243	171	126043	-211221.1413	904597.3170250766	39.56895102145622	-01.546082	280629.2439976378	4359884.96353444	3534.82116930194	3387.62216930194	3295.6216908	3298.41731195095	98.851451	90.07805114065828
244	171	126044	-210561.1413	904597.3170250766	39.56896488214562	-01.543476	280829.2439976378	4359879.98353444	3533.917087036375	3386.9388338535	3295.55620818775	3295.453192554464	98.7840031907869	89.07805114065828
245	171	126045	-209901.1413	904597.3170250766	39.56899271697579	-01.5414147	28							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRiElevLogKgr.ft	BRiElevBothKgr.ft	SatElevLogKgr.ft	SatElevBothKgr.ft
327	171	126127	-155781.1413	904597.3170250766	39.588002981867854	-101.3501135	297517.7989432033	4359140.044312745	3378.7393412140673	3728.66518811409	3199.1091763067957	3199.3804743205503	3195.5601187461343	3195.284715596027
328	171	126128	-155121.1413	904597.3170250766	39.58801358	-101.3477005	29778.8567279291	4359135.950312526	3378.1954811165896	3372.40740451	3198.2905978507824	3198.763408589701	3195.113913049784	3195.745914988616
329	171	126129	-154661.1413	904597.3170250766	39.588024145876875	-101.3454878	297819.9154176968	4359131.943206897	3378.6148817891125	3276.14881789658	3197.4703252589835	3197.860687651674	3195.828192332482	3195.8233232482
330	171	126130	-153801.1413	904597.3170250766	39.588034567028441	-101.3431145	298120.9735575295	4359126.917196767	3380.11970021355	3274.88448473081	3196.67204706445	3197.084244654453	3195.780297666327	3197.8000582763578
331	171	126131	-153141.1413	904597.3170250766	39.58804514963248	-101.3407816	298322.0311987585	4359123.480527543	3378.014056576317	3378.6186984040656	3195.8759927554097	3196.291400178167	3197.7400940855594	3197.3250864314895
332	171	126132	-152481.1413	904597.3170250766	39.5880555391063	-101.3384486	298523.08874197396	4359119.790074453	3374.3547462382	3394.710819325164	3195.81584157167	3195.81584157167	3197.0253672980545	3197.0253672980545
333	171	126133	-151821.1413	904597.3170250766	39.5880659312406	-101.3361156	298724.146087328	4359115.739818674	3368.6710639135628	3393.427108208047	3194.584800477064	3194.584800477064	3197.0253672980545	3197.0253672980545
334	171	126134	-151161.1413	904597.3170250766	39.58807631727275	-101.3337826	298925.2032011446	4359112.689759944	3363.999637968435	3269.654682927626	3192.090445684963	3193.434596706272	3197.5624352427638	3197.5624352427638
335	171	126135	-150501.1413	904597.3170250766	39.58808661655686	-101.3314497	299126.20852577	4359107.64	3368.6710639135628	3269.654682927626	3192.090445684963	3193.434596706272	3197.5624352427638	3197.5624352427638
336	171	126136	-149841.1413	904597.3170250766	39.58809670375849	-101.3291167	299327.5189342043	4359105.69023436	3346.700370308305	3265.7524854818	3189.60277145577	3191.10152734527	3197.143701100807	3197.143701100807
337	171	126137	-149181.1413	904597.3170250766	39.58810707933021	-101.3267837	299528.373494186	4359099.504765394	3341.730640540175	3263.796020795346	3188.368679190018	3190.009051805795	3197.4422408051657	3197.4422408051657
338	171	126138	-148521.1413	904597.3170250766	39.58811724321978	-101.3244507	299729.4296329346	4359095.491454237	3337.752751071585	3261.838830733974	3186.644704973299	3188.577167100024	3197.4422408051657	3197.4422408051657
339	171	126139	-147861.1413	904597.3170250766	39.5881273620448	-101.3221177	299930.486115672	4359092.44421993	3327.048308045444	3259.87888	3185.458102140542	3187.525204869604	3197.4422408051657	3197.4422408051657
340	171	126140	-147201.1413	904597.3170250766	39.5881343580435	-101.3197488	300131.5419818413	4359087.3935456015	3321.640063253087	3257.917584530404	3183.748996011716	3186.059071959044	3197.4422408051657	3197.4422408051657
341	171	126141	-146541.1413	904597.3170250766	39.58814746449936	-101.3174518	300332.59715163874	4359083.345	3316.195757006294	3255.956440844945	3182.21775286227	3185.341710149896	3197.4422408051657	3197.4422408051657
342	171	126142	-145881.1413	904597.3170250766	39.58815748129454	-101.3151188	300533.653254462	4359079.296328964	3310.715408118173	3253.96022753112	3180.776585103354	3184.211548837475	3197.4422408051657	3197.4422408051657
343	171	126143	-145221.1413	904597.3170250766	39.5881673664645	-101.3127858	300734.7087034425	4359075.24098635	3311.330556565923	3252.027264146572	3178.744890087073	3183.808545036566	3197.4422408051657	3197.4422408051657
344	171	126144	-144561.1413	904597.3170250766	39.58817280194916	-101.3104528	300935.7638583274	4359070.20010357	3303.005178264712	3250.078	3177.5941827101403	3183.00056684392	3197.4422408051657	3197.4422408051657
345	171	126145	-143901.1413	904597.3170250766	39.58818712863024	-101.3081198	301136.8187828204	4359067.152	3302.379480058917	3248.1240134114655	3175.9670912119973	3182.1225921674	3197.4422408051657	3197.4422408051657
346	171	126146	-143241.1413	904597.3170250766	39.58819736200058	-101.3057869	301337.873664136	4359064.10442824	3311.354425357174	3246.170011700043	3174.817174148764	3181.148533889874	3197.4422408051657	3197.4422408051657
347	171	126147	-142581.1413	904597.3170250766	39.588206903905	-101.3034539	301538.922614143	4359059.056927515	3308.756431757663	3242.2178312999175	3173.80198254014	3179.761930226017	3197.4422408051657	3197.4422408051657
348	171	126148	-141921.1413	904597.3170250766	39.58821643546294	-101.3011209	301739.9626433377	4359050.09602762	3304.885257671616	3242.26717722961	3173.63181294213	3179.761930226017	3197.4422408051657	3197.4422408051657
349	171	126149	-141261.1413	904597.3170250766	39.58822671216	-101.298479	301943.58649081	4359040.64040021	3306.65198133148	3242.6783257582	3173.738102692417	3179.761930226017	3197.4422408051657	3197.4422408051657
350	171	126150	-140601.1413	904597.3170250766	39.58823565483194	-101.2964549	302142.090833318	4359045.9516716	3304.144613758856	3238.3753244026	3173.177781160096	3179.532407151886	3197.4422408051657	3197.4422408051657
351	171	126151	-139941.1413	904597.3170250766	39.58824527	-101.2942119	302343.14702844	4359042.668808241	3301.3363550132885	3236.34198394278	3172.692271210262	3177.54119652304	3197.4422408051657	3197.4422408051657
352	171	126152	-139281.1413	904597.3170250766	39.58825408585737	-101.2917889	302544.198273754	4359038.82	3301.590445343896	3234.490570260797	3172.345376998168	3176.75786593404	3197.4422408051657	3197.4422408051657
353	171	126153	-138621.1413	904597.3170250766	39.58826239772436	-101.2894559	302745.2517589225	4359034.768080345	3301.844531895348	3232.55131843603	3172.121683702325	3176.046278677813	3197.4422408051657	3197.4422408051657
354	171	126154	-137961.1413	904597.3170250766	39.5882737662238	-101.2871239	302946.3049583873	4359030.72996108	3302.096623365374	3230.613219093052	3171.985486986242	3176.302109466748	3197.4422408051657	3197.4422408051657
355	171	126155	-137301.1413	904597.3170250766	39.58828313	-101.28478	303147.58649081	4359026.38102356	3306.65198133148	3228.6783257582	3171.985486986242	3176.302109466748	3197.4422408051657	3197.4422408051657
356	171	126156	-136641.1413	904597.3170250766	39.58829287126874	-101.282457	303348.410891331	4359022.53515165	3304.50192717679	3226.73204991408	3172.3297340991408	3174.945052343247	3197.4422408051657	3197.4422408051657
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358	171	126158	-135321.1413	904597.3170250766	39.58831105370706	-101.277791	303740.5156157154	4359014.5456888	3304.233437854456	3222.83437854456	3170.1911311941476	3173.9254709094225	3197.4422408051657	3197.4422408051657
359	171	126159	-134661.1413	904597.3170250766	39.588320274894815	-101.275458	303951.568284994	4359010.50223294	3304.570271582746	3220.87911306806	3168.655596062224	3170.753277197146	3197.4422408051657	3197.4422408051657
360	171	126160	-134001.1413	904597.3170250766	39.58832943753373	-101.273125	304152.6236931026	4359006.45738856	3304.44697262461	3218.914106642107	3166.483537031015	3170.753277197146	3197.4422408051657	3197.4422408051657
361	171	126161	-133341.1413	904597.3170250766	39.58833854747438	-101.270792	304353.672257915	4359002.012458567	3304.314384264453	3216.93849705433	3164.151629401373	3165.92976211021	3197.4422408051657	3197.4422408051657
362	171	126162	-132681.1413	904597.3170250766	39.588346162843376	-101.268449	304554.7238416189	4358998.38102356	3304.197303244	3214.940171039043	3161.408032890046	3161.408032890046	3197.4422408051657	3197.4422408051657
363	171	126163	-132021.1413	904597.3170250766	39.5883556943386	-101.266126	304755.774540597	4358989.32759125	3303.7449494118985107	3212.926538710754	3160.354555443	3161.408032890046	3197.4422408051657	3197.4422408051657
364	171	126164	-131361.1413	904597.3170250766	39.5883656653677	-101.263793	304956.8277474086	4358980.279606328	3303.64643449276	3210.889466159173	3156.871639914603	3163.291745462671	3197.4422408051657	3197.4422408051657
365	171	126165	-130701.1413	904597.3170250766	39.58837453669314	-101.26146	305157.877894489	4358986.35653596	3303.73325004422	3208.82534659523	3154.241769453943	3161.6066917697835	3197.4422408051657	3197.4422408051657
366	171	126166	-130041.1413	904597.3170250766	39.58838335373653	-101.259127	305358.928254667	4358982.19189770	3303.7431031950808	3206.7282875575975	3151.55191903231	3158.894793065393	3197.4422408051657	3197.4422408051657
367	171	126167	-129381.1413	904597.3170250766	39.58839329738416	-101.256794	305559.9685565466	4358978.143838657	3303.7431031950808	3204.92237	3148.9512836944	3156.37119319283	3197.4422408051657	3197.4422408051657
368	171	126168	-128721.1413	904597.3170250766	39.5884012647482	-101.254441	305761.3011498296	4358974.1048434	3304.921938722953	3202.4515988242	3146.35544517225	3154.943419005026	3197.4422408051657	3197.4422408051657
369	171	126169	-128061.1413	904597.3170250766	39.58840962914608	-101.252179	305963.086791485	4358969.30684957	3304.79436136567	3200.7197319687	3145.7819724512	3154.943419005026	3197.4422408051657	3197.4422408051657
370	171	126170	-127401.1413	904597.3170250766	39.5884186335181	-101.249795	306163.130642058	4358966.10884234	3304.744949411					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatHtElev.ft	SatHtBoth.ft
43	171	126253	-72621.14133	904597.3170250766	39.5889850381525	-10.056154	322849.6518	3285831.137742899	197.466587	301.79240054032	2980.947233586063	2981.3144881619532	30.445166486291323	30.477911892348857
454	171	126254	-71961.14133	904597.3170250766	39.5890044770732	-10.0538214	323050.6868	3285827.111	319.474058997113	301.688926030335	2981.268990440448	2981.50208338430437	29.410011918685417	29.9065052623681
455	171	126255	-72101.14133	904597.3170250766	39.58903722051683	-10.0514683	32351.7214991237	3285829.36893959	3196.122743032138	3009.620178454008	2979.136776654038	2979.136776654038	29.70091752276366	29.71818909531
456	171	126256	-70441.14133	904597.3170250766	39.59000177401196	-10.0491553	323652.7560723029	3285819.058396272	3182.472455829208	3008.554331459741	2977.335736336984	2977.646869519745	31.21859510604212	30.95045047766738
457	171	126257	-69981.14133	904597.3170250766	39.59004978464505	-10.0468222	323663.7904732465	3285810.03059625	3184.721420833278	3007.498632565858	2974.3924586521803	2974.732804411637	33.106173913876504	32.76582854051856
458	171	126258	-69321.14133	904597.3170250766	39.59007974460515	-10.0444892	323854.82470189023	3285815.007	3182.024816048258	3006.452075405119	2971.887107745131	2972.71278446863	34.5646765998827	34.2392678603281
459	171	126259	-68661.14133	904597.3170250766	39.5901444539233	-10.0421562	324055.8858864114	3285806.98962627	3180.430765115522	3004.413325214576	2969.679332030846	2970.168622292024	35.734319142979984	35.234790259451856
460	171	126260	-68001.14133	904597.3170250766	39.59017111255265	-10.0398231	324256.8927423997	3285802.91960462	3179.941696126124	3004.381198453885	2967.447382618953	2968.2504830437628	35.93831583439237	35.363807759843
461	171	126261	-67341.14133	904597.3170250766	39.59023722051683	-10.0374671	324457.9264558417	3285801.007	3178.452717378745	3003.35494652114	2965.307162289554	2966.45321268953	36.891181189013855	36.256658624681
462	171	126262	-66681.14133	904597.3170250766	39.59028037781465	-10.0351571	324658.939869359	3285804.90651575	3178.96739340141	3002.3177108678	2963.109771162423	2964.573244402243	38.22199594345	37.758476645484
463	171	126263	-66021.14133	904597.3170250766	39.590328384472	-10.032824	324859.939869359	3285801.88115596	3177.726482220855	3001.3124343874274	2960.967837395597	2962.830840236781	40.3405940502967	38.48210315
464	171	126264	-65361.14133	904597.3170250766	39.5903732041319	-10.030491	325061.0265687525	3285806.857	3175.7405743570677	3000.30510843433	2959.562222715783	2961.590176706383	40.73828813	38.71034172500156
465	171	126265	-64701.14133	904597.3170250766	39.5904176457141	-10.0281579	325262.059976682	3285808.83310425	3173.75529	2999.293072437325	2956.961615337059	2959.1946494587526	42.33229188102405	40.0992578916096
466	171	126266	-64041.14133	904597.3170250766	39.5904616003495	-10.0258249	325463.0924561012	3285878.80899137	3168.312222077316	2998.291422254834	2952.298089545717	2954.341702744584	45.90302579136464	43.9509719802498
467	171	126267	-63381.14133	904597.3170250766	39.5905054013183	-10.0234918	325664.121439594	3285874.75897536	3168.316022017036	2997.295545301474	2947.2552268898954	2947.535896745854	48.322043243150978	48.32200426626405
468	171	126268	-62721.14133	904597.3170250766	39.5905481576712	-10.0211588	325865.1576618193	3285870.76135417	3168.40226634613	2996.3030001581	2945.261965117775	2944.551801625603	53.0413356498038	51.7514989
469	171	126269	-62061.14133	904597.3170250766	39.5905907602576	-10.0188258	326066.19009868	3285866.7378314445	3163.482451	2995.31695340083	2939.747711662504	2941.0045383052396	55.6688678269884	54.31005909566334
470	171	126270	-61401.14133	904597.3170250766	39.59060329	-10.0164927	326267.2221878093	3285862.71450434	3160.564569153667	2994.320600924477	2937.0189537269043	2938.12625244955	57.29370126553439	56.218054289265
471	171	126271	-60741.14133	904597.3170250766	39.5906676135321	-10.0141597	326468.254196387	3285858.691371509	3160.149861143155	2993.3421771758017	2934.3192952450734	2935.358589342893	59.0228813072809	57.98358724112396
472	171	126272	-60081.14133	904597.3170250766	39.590715864169	-10.0118266	326669.286036276	3285854.668	3162.230396348353	2992.362380197533	2931.67932516724	2932.832238872023	60.0767048	59.5235962777029
473	171	126273	-59421.14133	904597.3170250766	39.5907566641064	-10.0094936	326870.3170737556	3285845.65695513	3161.396271855555	2991.3697628490954	2929.8845969394727	2929.8845969394727	61.8485169914373	60.42990349386264
474	171	126274	-58761.14133	904597.3170250766	39.5907970134506	-10.0071066	327071.3452069152	3285846.6195311474	3161.41394267026	2990.3817564897559	2927.556103667957	2928.4241304202	62.655528239579	61.9573490775346
475	171	126275	-58101.14133	904597.3170250766	39.590839396956	-10.0048468	327282.380530712	3285842.00089054	3161.428192844515	2989.32963844515	2926.24042640217	2926.24042640217	63.7184769245892	62.784238440933
476	171	126276	-57441.14133	904597.3170250766	39.5908763060539	-10.0024495	327473.4170331184	3285835.57665127	3161.024965052893	2988.400223166042	2922.6541585723	2923.28079604145	65.37606382	65.1192455962753
477	171	126277	-56781.14133	904597.3170250766	39.590891535735814	-10.0001614	327674.4426983354	3285835.95695025	3160.753594529107	2987.407926536444	2919.8388831339344	2920.31496269684	67.5690430250568	67.0924836647556
478	171	126278	-56121.14133	904597.3170250766	39.5909053039955	-10.9978284	327875.475245936	3285835.53430489	3160.544693093626	2986.413806428161	2916.618403566773	2916.618411605092	69.7953807148376	69.47046537
479	171	126279	-55461.14133	904597.3170250766	39.590992	-10.9954954	328076.504186079	3285835.51370354	3160.5442110080813	2985.417568402637	2912.802606909023	2912.802606909023	72.1506417927345	72.1506417927345
480	171	126280	-54801.14133	904597.3170250766	39.5910296452693	-10.9931623	328277.5346779993	3285832.492	3161.26130900693	2984.418983159297	2908.1850333992006	2908.185047611357	76.23367976009513	76.25718739793979
481	171	126281	-54141.14133	904597.3170250766	39.5910719134506	-10.9908298	328478.6580504293	3285831.47089628	3161.590848993248	2983.418983159297	2904.24042640217	2904.24042640217	79.2458679221936	79.2458679221936
482	171	126282	-53481.14133	904597.3170250766	39.591105837654	-10.9884962	328678.95757255	3285834.149893076	3161.5402291058807	2982.41113885740028	2901.597141400928	2901.597141400928	80.803721193599	80.803721193599
483	171	126283	-52821.14133	904597.3170250766	39.5911386711764	-10.9861632	328880.6251	32858510.42907291	3161.3535447327462	2981.01400858412	2899.083723041125	2899.083745837616	82.2263447747026	82.2263447747026
484	171	126284	-52161.14133	904597.3170250766	39.59117571981116	-10.9838301	329081.654728084	3285848.40847594	3161.344304877115	2980.402163993653	2894.61625637717	2894.56031837978	85.8259104164837	85.8471862602567
485	171	126285	-51501.14133	904597.3170250766	39.5912111177814	-10.9814971	329282.684	3285802.38089673	3161.3293367211467	2979.309064617533	2886.1071657606394	2886.1071657606394	87.2328898569353	87.3930177439192
486	171	126286	-50841.14133	904597.3170250766	39.5912460530776	-10.979164	329483.7141193851	3285846.3905621	3161.379252676405	2874.188333687823	2874.188333687823	2874.188333687823	89.14878535839784	89.14878535839784
487	171	126287	-50181.14133	904597.3170250766	39.5912895	-10.9768381	329684.74344317487	3285846.347080434	3161.4255019059038	2877.353221227033	2863.764251025458	2861.785080463868	91.556744078317223	91.556744078317223
488	171	126288	-49521.14133	904597.3170250766	39.591346837658	-10.9744498	329895.7220036972	3285842.00089054	3161.428192844515	2874.188333687823	2863.764251025458	2861.785080463868	93.7184769245892	93.7184769245892
489	171	126289	-48861.14133	904597.3170250766	39.5913847279714	-10.9721618	330068.806	3285846.3905621	3161.379252676405	2875.300532979138	2863.764251025458	2861.785080463868	95.1754487548128	95.1754487548128
490	171	126290	-48201.14133	904597.3170250766	39.5913813116008	-10.9698319	330287.83190192626	3285842.29091959	3161.254385145024	2874.268346865504	2865.00322493477	2864.84918696218	99.2620243745577	99.2620243745577
491	171	126291	-47541.14133	904597.3170250766	39.5914139995251	-10.9674988	330488.859078244	3285846.26987812	3161.335203986358	2865.21107	2865.21107	2865.21107	100.05228210159592	100.05228210159592
492	171	126292	-46881.14133	904597.3170250766	39.591446238558	-10.9651658	330689.8875753861	3285847.25086129	3161.335203986358	2865.21107	2865.21107	2865.21107	101.04570829727211	101.04570829727211
493	171	126293	-46221.14133	904597.3170250766	39.5914780234814	-10.9628327	330890.919059591	3285847.2302703945	3161.335203986358	2865.21107	2865.21107	2865.21107	102.04570829727211	102.04570829727211
494	171	126294	-45561.14133	904597.3170250766	39.591505953492	-10.9604987	33101.9481	3285846.21341546	3161.41550190525703	2867.93456228487	2858.078617831497	2858.078617831497	114.1568615600714	114.1568615600714
495	171	126295	-44901.14133	904597.3170250766	39.591546837658	-10.9581678	331202.1635891427	3285842.00089054	3161.428192844515	2867.93456228487	2858.078617831497	2858.078617831497	115.784769245892	115.784769245892
496	171	126296	-44241.14133	904597.3170250766	39.59157067935065	-10.9558338	331483.9990939384	3285845.1767415	3161.508919617527	2867.93456228487	2858.078617831497	2858.078617831497	117.0422999216137	117.0422999216137
497	171	126297	-43581.14133	904597.3170250766	39.591600663304	-10.9535005	331695.02781853	3285845.15877611	3161.508919617527	2867.934562284				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.ft	SatHtKgr.f	SatHtKgr.ft
579	171	126379	1158.85867303351	904597.3170250766	39.5992527200374	-100.7621903	348178.757664875	4358125.344933769	1906.166819553439	2333.264107154234	2771.3525406414765	2770.5555634244706	51.6115640734982	62.70854129095278
580	171	126380	1158.85867303351	904597.3170250766	39.5992518268181	-100.7598572	348379.7242301195	4358121.343114892	1907.1342192185966	2331.064247900322	2771.869053	2770.8713002198274	50.19614949010164	60.1924763833434
581	171	126381	1158.85867303351	904597.3170250766	39.599245178250476	-100.757542	348690.7670341727	4358173.341491062	1908.1015684643754	2328.8349274863128	2773.482748638128	2773.8144668018287	54.5343838820151	55.023838820151
582	171	126382	1158.85867303351	904597.3170250766	39.599250103116944	-100.7551911	348781.8014685582	4358113.340062324	1908.068592896807	2326.5831668997264	2774.698254989507	2773.5374217679474	51.88790174079615	53.04576213202298
583	171	126383	1317.85867303351	904597.3170250766	39.599248332954036	-100.7525881	348982.8156157333	4358109.33882615	1978.328916996807	2424.2980313007233	2772.774404961168	2776.9994807393427	51.5236981	54.2985055138058
584	171	126384	1383.85867303351	904597.3170250766	39.59924841052411	-100.750525	349183.8296878424	4358105.3377890425	1975.881626224567	2420.380238596166	2770.3507142023336	2765.05312973729	51.6291385728295	56.927000836471
585	171	126385	1449.85867303351	904597.3170250766	39.599247440327236	-100.748192	349384.84401311324	4358101.336640304	1978.6286714354348	2419.6286714354348	2767.911029175406	2776.911029175406	51.71568545768245	56.91342423
586	171	126386	1518.85867303351	904597.3170250766	39.59924643046334	-100.7458589	349685.8578924485	4358097.336279884	1977.70474662217	2417.242373981804	2765.506370534247	2762.6077630033435	51.634616878016914	56.9164678016914
587	171	126387	1588.85867303351	904597.3170250766	39.5992453778250476	-100.7435259	349897.8671628035	4358093.334844077	1976.655545473458	2416.3215607783705	2763.247282800876	2761.688928582948	51.5743077949814	56.9168928582948
588	171	126388	1647.85867303351	904597.3170250766	39.599244271034094	-100.7411929	349897.8685139963	4358093.335834989	1976.3693782100775	2415.861749671225	2761.1658147956283	2761.140677	50.79090167248955	51.226274890323
589	171	126389	1678.85867303351	904597.3170250766	39.59924313236923	-100.7388597	350188.8875669694	4358085.33519881	1965.77413170178	2412.8006267513243	2761.6460128006983	2761.2943135050214	48.58578782624072	48.58578782624072
590	171	126390	1779.85867303351	904597.3170250766	39.59924192953739	-100.7365267	350389.9120526507	4358081.335591259	1964.775253434395	2407.365514644467	2763.63779292509	2763.2906989728816	43.7272719195832	44.074614671485506
591	171	126391	1845.85867303351	904597.3170250766	39.59924069163862	-100.7341936	350590.9252060507	4358077.339767121	1962.364797	2404.824275568213	2766.4886397175205	2765.334550172915	38.3356593093385	39.28820560933385
592	171	126392	1911.85867303351	904597.3170250766	39.59923940697281	-100.7318606	350791.9328148131	4358073.336498405	1960.3422549169346	2403.961317659056	2763.961570141612	2763.961570141612	38.2997475179496	47.1533474188482
593	171	126393	1977.85867303351	904597.3170250766	39.5992380606408	-100.7295275	350992.9617075202	4358069.337215235	1958.3167172396307	2402.8819632945676	2762.2582790241613	2758.481125436019	47.23438847209828	47.23438847209828
594	171	126394	2043.85867303351	904597.3170250766	39.59923670744035	-100.7271485	351193.9838	4358065.338126474	1956.291160856207	2401.026773683445	2759.93055152211	2757.65837107211	37.15312585	39.434304113355
595	171	126395	2109.85867303351	904597.3170250766	39.59923528937369	-100.7248614	351394.39737225245	4358061.339323576	1954.2523482472486	2394.4897410088346	2758.2763300159845	2755.823291671562	36.2234019095995	37.6764434509144
596	171	126396	2175.85867303351	904597.3170250766	39.5992332614004	-100.7225284	351595.9888	4358057.3302559	1952.791938	2391.909617521804	2756.490125466483	2754.435603610082	35.48723756599712	38.477454200918
597	171	126397	2241.85867303351	904597.3170250766	39.5992321783496	-100.7201953	351797.001096807	4358047.334029281	1951.0133668718137	2389.73136818337	2753.62866130132	2752.6254436947093	35.70064933489038	37.27588603821298
598	171	126398	2307.85867303351	904597.3170250766	39.59923076471896	-100.7178623	351998.0132345522	4358049.3374207835	1949.307378184336	2386.7647567205816	2748.72966881504	2742.8285651766597	34.93610900329156	34.93610900329156
599	171	126399	2373.85867303351	904597.3170250766	39.59922916603737	-100.7155922	352199.025313331	4358045.336506652	1947.62963126474	2384.239397934846	2743.939879706174	2743.939879706174	34.286218043164	49.24728932722166
600	171	126400	2439.85867303351	904597.3170250766	39.59922752535948	-100.7139292	352400.0370523145	4358041.34768426	1946.17018558957	2381.71081558957	2742.7367363697	2742.7367363697	34.0843673196019	47.0496176969219
601	171	126401	2505.85867303351	904597.3170250766	39.59922593787673	-100.7120535	352521.1481958567	4358037.337709281	1945.291476869781	2379.56146290958	2741.698297928483	2741.698297928483	33.839549590871	46.339549590871
602	171	126402	2571.85867303351	904597.3170250766	39.5992241003216	-100.7085301	352802.06037919346	4358033.35243828	1944.1749484512	2376.796091870106	2732.014840106009	2731.448542895375	34.7812517640081	45.3471489714641
603	171	126403	2637.85867303351	904597.3170250766	39.599222162988	-100.706197	353003.071806869	4358029.350990475	1943.1129102208116	2374.019988721834	2728.719234854434	2728.2645231497922	34.655678388862	34.655678388862
604	171	126404	2703.85867303351	904597.3170250766	39.59922048786065	-100.703864	353204.030958815	4358025.358	1938.611875800732	2372.05373343504	2725.650119152655	2725.650119152655	34.406234848495	46.332199677179415
605	171	126405	2769.85867303351	904597.3170250766	39.59921862902447	-100.7015309	353405.0942	4358021.361014469	1936.11083958056	2370.75345299052	2722.6914488736624	2722.6914488736624	34.05990425635158	45.80935376983385
606	171	126406	2835.85867303351	904597.3170250766	39.5992171512138	-100.6991179	353606.1052443332	4358017.36244564	1935.608033605717	2367.489954256304	2719.842525999005	2723.04462891754	47.665148257203075	44.44512534475143
607	171	126407	2901.85867303351	904597.3170250766	39.59921576515238	-100.6963359	353821.1481958567	4358013.337498071	1934.529147689781	2365.26413251054	2718.968297928483	2718.968297928483	46.48712194074482	46.48712194074482
608	171	126408	2967.85867303351	904597.3170250766	39.59921426261904	-100.6940518	354008.1726261904	4358007.33134937	1933.8028727591204	2364.068723963717	2714.0686723963717	2715.9513625014953	46.008112941288249	47.1254313576578
609	171	126409	3033.85867303351	904597.3170250766	39.5992107301055	-100.6921987	354209.13740515814	4358005.37183415	1933.085974418328	2363.0718456324053	2711.510703600017	2711.8960423027686	49.01271460236356	49.01271460236356
610	171	126410	3099.85867303351	904597.3170250766	39.5992080683976	-100.6898657	354410.1478432093	4358003.332172045	1932.784332218426	2358.784332218426	2709.0519614111886	2708.639628	49.7323276210203	50.1471006767031
611	171	126411	3165.85867303351	904597.3170250766	39.5992064696027	-100.6875326	354611.1581401988	4357997.33843769	1932.4988623391	2356.698820538494	2706.514042266223	2704.0893113158654	50.155778270227074	52.58059021689395
612	171	126412	3231.85867303351	904597.3170250766	39.59920428574966	-100.6851996	354812.1862669817	4357993.38755868	1932.04029995667	2354.0029995667	2704.0483703851403	2699.622898103474	50.15278270227074	54.94826960974834
613	171	126413	3297.85867303351	904597.3170250766	39.5992025959259	-100.6828968	355013.7831747576	4357989.336249362	1931.597110095344	2352.4835465047824	2701.913861958457	2698.6085057722305	50.569598683673	55.6750402855189
614	171	126414	3363.85867303351	904597.3170250766	39.599201127025	-100.6806386	355214.1881958567	4357987.337771815	1931.21112224116	2350.45182586955	2699.85317220562	2694.854101439514	55.55177221075478	55.55177221075478
615	171	126415	3429.85867303351	904597.3170250766	39.599200196198226	-100.6782004	355415.1979434863	4357981.40228014	1930.8261816376027	2348.3268336915494	2697.681938098676	2692.608578791	55.6750402855189	55.6750402855189
616	171	126416	3495.85867303351	904597.3170250766	39.599195074107	-100.6758674	355616.2056777777	4357977.40749203	1929.5476834310805	2346.26323860339	2695.92574589137	2688.98328513716	50.3364401420174	57.2799520862284
617	171	126417	3561.85867303351	904597.3170250766	39.59919286777097	-100.6735343	355817.2167861834	4357973.412871574	1928.658967	2344.196205579802	2694.409661137162	2690.375024	49.78624401189278	53.82181439311935
618	171	126418	3627.85867303351	904597.3170250766	39.5991920336053	-100.6712103	356018.22639365	4357969.41459232	1928.8584197399	2342.1314822567583	2693.304179232792	2694.769060438781	49.7323276210203	47.36247581779156
619	171	126419	3693.85867303351	904597.3170250766	39.5991903392919	-100.6688862	356219.2347182576	4357965.42421442	1928.4719773943838	2340.069815653757	2691.846413138654	2692.825978086542	48.2234051509149	48.2234051509149
620	171	126420	3759.85867303351	904597.3170250766	39.5991857854247	-100.6663352	356420.2451070174	4357961.403218377	1928.161987024474	2338.01086219404	2689.233055400567	2696.2900351101057	48.7128777666741	47.7200470498463
621	171	126421	3825.85867303351	904597.3170250766	39.599184261904	-100.6640518	356621.2570939029	4357957.337709281	1927.8261816376027	2336.0718456324053	2687.968297928483	2687.968297928483	47.7200470498463	47.7200470498463
6														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SatHtElev.f	SatHtBoth.f
700	171	126505	96368.85867307335	904597.3170250766	-39.58880415835899	-100.4682269	373905.5267631284	43757622.649037189	274.594490935438	2614.6008662865634	2544.511402650373	2551.5426761450935	70.0894636319043	63.05819014146892
706	171	126506	96358.85867307335	904597.3170250766	-39.58677773779547	-100.4658839	373706.5246162485	43757610.72172315	2745.814268745139	2613.7644139904185	2540.4037759073376	2549.617235509181	73.3506338032084	69.0752904394944
707	171	126507	96357.85867307335	904597.3170250766	-39.5871518199985	-100.4636808	373807.5246837745	43757614.984611394	2746.022068741543	2612.963758	2538.12785070037	2557.001875939677	76.3835233093417	75.36183280171244
708	171	126508	96356.85867307335	904597.3170250766	-39.58784761770047	-100.4612278	374018.5195957847	43757610.718	2740.57833642244	2612.791983362345	2534.480874232703	2544.656694908	77.1011093066205	76.0362585938737
709	171	126509	96338.85867307335	904597.3170250766	-39.586778205708234	-100.4588848	374309.5174502554	43757606.740661359	2738.134700790127	2611.426406969183	2537.9236073031476	2539.622071153848	73.5034576663705	73.8267935467017
710	171	126510	96998.85867307335	904597.3170250766	-39.587170488029	-100.4556618	374510.5142601931	43757602.764	2737.69101829582	2610.664097290883	2540.341837159035	2539.603447537279	73.0575407808048	73.0575407808048
711	171	126511	97658.85867307335	904597.3170250766	-39.5867646888626	-100.4542288	374711.5120698024	43757598.78080712	2727.422334468123	2609.89847263324	2540.06387	2550.05078953579	65.8836248918866	65.8836248918866
712	171	126512	98318.85867307335	904597.3170250766	-39.5875826802616	-100.4518567	374912.5092	43757594.812	2723.343568518636	2609.128177646331	2541.393087324796	2553.570146045179	67.73550544	65.55847420415384
713	171	126513	98978.85867307335	904597.3170250766	-39.58751587199985	-100.4496527	375113.506208658	43757590.336	2740.264895958949	2608.342637161943	2543.98881832541	2545.3378766661212	64.9438563265323	62.805251
714	171	126514	99638.85867307335	904597.3170250766	-39.5874475097779	-100.4472297	375314.5030987158	43757586.96229747	2751.183125593262	2607.5194912944417	2515.96675665354	2551.38149059547	65.552740880547	65.552740880547
715	171	126515	100298.85867307335	904597.3170250766	-39.58673742744568	-100.4448967	375515.4996960414	43757582.84665093	2771.933450903845	2606.604959027346	2523.565305807024	2521.298625072235	80.0416652014192	80.0387250211638
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717	171	126517	101618.85867307335	904597.3170250766	-39.58672413732167	-100.4402306	375917.493197333	43757574.93115402	2707.089178094051	2604.4978941675536	2533.627896443756	2533.2660730738918	74.0999717231893	71.24119378
718	171	126518	102238.85867307335	904597.3170250766	-39.5867117587541	-100.4378976	376118.4895602991	43757570.959133224	2704.680541669907	2603.384356020854	2532.6753219847487	2532.065305309781	70.70911362	71.3189325623043
719	171	126519	102938.85867307335	904597.3170250766	-39.5867101945317	-100.4359648	376319.4895999948	43757566.94343328	2699.054267871933	2602.2634253259183	2536.1944085171103	2536.099984331576	66.0699163580795	66.0699163580795
720	171	126520	103598.85867307335	904597.3170250766	-39.5867011796501	-100.4332216	376520.4820352813	43757563.00974178	2690.220015148136	2601.141375820967	2541.900408861405	2543.089056917506	59.24091474	68.0523187253431
721	171	126521	104258.85867307335	904597.3170250766	-39.58669021410864	-100.4308986	376721.4780928857	43757559.03346093	2685.107550296339	2600.011677113388	2542.885630861509	2544.293821324688	67.1353624858584	67.1353624858584
722	171	126522	104918.85867307335	904597.3170250766	-39.5866887790708	-100.428565	376922.47043241915	43757551.61138318	2672.551305429423	2598.0623848436	2534.4049276019787	2540.167324980182	64.0135628	64.3539040475393
723	171	126523	105578.85867307335	904597.3170250766	-39.5868168310473	-100.4262325	377123.46985408367	43757551.087	2665.097072254635	2587.79273631105	2531.366294761406	2531.530034255652	66.4264869589964	66.26272910515263
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725	171	126525	106898.85867307335	904597.3170250766	-39.5866718453099	-100.4216656	377525.461	43757543.1396778	2652.950229037417	2595.937396643974	2528.97079583867	2528.97079583867	66.7867726710055	65.94488668762706
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727	171	126527	108218.85867307335	904597.3170250766	-39.5865224397184	-100.3865713	378123.4616337755	43757535.16392318	2635.953636302118	2593.18485958233	2519.13945850371	2520.13945850371	68.94734027085243	68.94734027085243
728	171	126528	108938.85867307335	904597.3170250766	-39.5864503858648	-100.4145674	378128.4472015037	43757531.219961425	2635.131374438652	2592.217755115194	2509.05397857759	2508.86921710287	83.0136971736044	83.0136971736044
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730	171	126530	110198.85867307335	904597.3170250766	-39.58630124458166	-100.4099014	378530.4373226487	43757523.27445212	2618.29893521749	2589.96717852795	2504.53953784071	2504.720095381096	85.4284146873299	85.42769146873299
731	171	126531	110858.85867307335	904597.3170250766	-39.5862277245306	-100.4075684	378731.432087477	43757521.0884464	2615.963914378183	2588.931793382104	2503.162888146545	2503.43600424231	85.7968673274968	85.7968673274968
732	171	126532	111518.85867307335	904597.3170250766	-39.5861489466636	-100.4052354	378932.4269782226	43757515.329781302	2616.3816719335495	2587.687934126337	2502.04954068944	2502.5382138989027	85.4177804039413	85.4177804039413
733	171	126533	112138.85867307335	904597.3170250766	-39.5860734762219	-100.4028976	379133.416337775	43757511.3138	2616.78984	2586.352374458763	2501.520614803116	2501.866868969046	85.003511042891	84.6969174728692
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736	171	126536	114158.85867307335	904597.3170250766	-39.58588417	-100.3959033	379736.404029878	43757499.42457578	2608.076458075802	2583.03222862713	2500.20054596621	2500.20054596621	82.8167262913183	82.40917472977344
737	171	126537	114818.85867307335	904597.3170250766	-39.5857347588676	-100.3935703	379937.3990690194	43757495.417273085	2601.866473016099	2581.8525500628707	2498.587339631763	2498.406662341078	83.2652104311079	82.4584872486892
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1	171	126541	37094.1413	905257.3170250766	-39.3936537747405	-100.1268443	379518.1182954097	43757483.16392318	2598.589594315704	2575.47778930947	2503.000096891327	2502.96203516202	62.4770623395305	62.5101732828976
2	171	126542	37028.1413	905257.3170250766	-39.3539786921038	-100.1083099	379621.2514358704	43757480.94752615	2598.80363804843	2574.05132300615	2506.795177738064	2507.2444040561143	57.09995465251375	56.81273179400905
3	171	126543	36962.1413	905257.3170250766	-39.3540038173082	-100.1059772	379736.3857260584	43757478.381562934	2598.97950743218	2576.636734870967	2510.244291330362	2510.244291330362	52.0062675185007	52.0062675185007
4	171	126544	36896.1413	905257.3170250766	-39.35402916630318	-100.1036446	379839.4504303667	43757476.609602679337	2593.926981	2576.214004856756	2509.811477253281	2510.2832479321105	51.389823063476	50.9271529246709
5	171	126545	36830.1413	905257.3170250766	-39.354054335820784	-100.1013191	379928.65921	43757466.15023415	2590.851682543917	2575.79116038452	2506.32431018241	2506.644589585104	53.11467087819596	53.11467087819596
6	171	126546	36764.1413	905257.3170250766	-39.3540794025358	-100.0989752	380072.7409815489	43757462.03487113	2597.82192947814	2574.39847	2502.92405547223	2503.719471319036	55.4182343139755	55.074915581325
7	171	126547	36693.1413	905257.3170250766	-39.3540959079168	-100.0965846	380193.2337049667	43757458.06067697	2596.859594315704	2573.7927793506	2501.62392984234	2501.62392984234	57.7446692246095	57.7446692246095
8	171	126548	36632.1413	905257.3170250766	-39.3541295740404	-100.0943139	380337.0							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatHtLogs.f	SatHtBoth.f
91	172	126631	-311541.1413	905257.3170250766	39.56605035948017	-101.9006973	250066.12501181872	430302.957981915	3812.3119868838684	3404.439605	3537.5204393920533	102.6539951462761	102.919160237367	
92	172	126632	-310881.1413	905257.3170250766	39.5661760500531	-101.8983456	250267.23577395015	430629.8659763856	3811.0098018605416	3638.191767647887	3522.38561556394	105.8102514945314	95.1905622856587	
93	172	126633	-310221.1413	905257.3170250766	39.5659261838225	-101.8906137	250468.3462698953	430294.78174473	3805.86150434815	3635.8621389735	3518.76707538973	105.8102514945314	95.1905622856587	
94	172	126634	-309561.1413	905257.3170250766	39.56611397304528	-101.8830969	250699.4565568452	430630.633946592	3803.024282210076	3633.73622218692	3517.00816362063	105.8102514945314	95.1905622856587	
95	172	126635	-308801.1413	905257.3170250766	39.566135057449616	-101.8913661	250870.5665722506	430628.5668201	3807.66851505134	3631.52775626567	3514.40427223327	105.8102514945314	95.1905622856587	
96	172	126636	-308241.1413	905257.3170250766	39.5661561679521	-101.8890333	251071.6763529079	430628.5668201	3805.97401489538	3629.33176699105	3509.95471501022	119.3764526680836	38.029342060049	
97	172	126637	-307581.1413	905257.3170250766	39.5661771808194	-101.8867005	251272.7868136233	430627.317659415	3804.27948623446	3627.146103842397	3505.87279	119.3764526680836	38.029342060049	
98	172	126638	-306921.1413	905257.3170250766	39.566196030989	-101.8843677	251473.8952	430627.317659415	3802.584962174294	3624.9720923261057	3501.195237242524	123.7768581185333	84.8124941199285	
99	172	126639	-306261.1413	905257.3170250766	39.5662190447862	-101.8820348	251675.0041988877	430627.317659415	3802.26854175771	3622.86854175771	3498.090441794253	123.7768581185333	84.8124941199285	
100	172	126640	-305601.1413	905257.3170250766	39.566239838906	-101.8797021	251876.1129906502	430626.081	3797.20546956285	3620.6156395939	3491.17662804204	123.7768581185333	84.8124941199285	
101	172	126641	-304941.1413	905257.3170250766	39.56626082740234	-101.8773683	252077.2215372444	4306261.984783871	3794.158513	3618.5102961373	3487.703403419784	123.7768581185333	84.8124941199285	
102	172	126642	-304281.1413	905257.3170250766	39.5662816263241	-101.8750365	252278.3296353264	4306257.888312088	3791.1650784011954	3616.275207800444	3486.312142	123.7768581185333	84.8124941199285	
103	172	126643	-303621.1413	905257.3170250766	39.56630230565545	-101.8727037	252479.4378902381	4306253.92502581	3788.1472632813808	3614.247523813808	3486.1280703125203	123.7768581185333	84.8124941199285	
104	172	126644	-302961.1413	905257.3170250766	39.56632308943906	-101.8703709	252680.5457000489	4306249.69672501	3785.133152670524	3612.12767765321	3486.1731381496297	123.7768581185333	84.8124941199285	
105	172	126645	-302301.1413	905257.3170250766	39.566343753254558	-101.8680831	252881.65328516924	4306245.61024213	3782.171878170122	3610.01666274122	3485.89042023656	123.7768581185333	84.8124941199285	
106	172	126646	-301641.1413	905257.3170250766	39.5663637201035	-101.8657035	253082.7605880072	4306241.505610656	3778.104490273248	3607.913066274503	3485.5921334067525	123.7768581185333	84.8124941199285	
107	172	126647	-300981.1413	905257.3170250766	39.56638494570694	-101.8633724	253283.8676215496	4306233.410377765	3775.524209	3605.816226437868	3485.7864070054034	123.7768581185333	84.8124941199285	
108	172	126648	-300321.1413	905257.3170250766	39.56640547	-101.8610396	253484.9744944346	4306233.315342265	3771.37818022561	3603.764092300607	3485.500866742697	123.7768581185333	84.8124941199285	
109	172	126649	-299661.1413	905257.3170250766	39.5664256792238	-101.8587068	253686.0810284484	4306229.25009514	3767.232151510723	3601.637465190334	3484.554546960221	107.082603011233	97.10226034	
110	172	126650	-299001.1413	905257.3170250766	39.5664436641164	-101.8563474	253887.1847275929	4306225.126	3763.086122833584	3599.54391106566	3482.967894577984	107.082603011233	97.10226034	
111	172	126651	-298341.1413	905257.3170250766	39.56646789059041	-101.8540412	254088.2392888366	4306221.031436874	3758.741109033083	3597.4461997396406	3480.9154698330562	116.530701760459	95.9710105784059	
112	172	126652	-297681.1413	905257.3170250766	39.56648713830062	-101.8517084	254298.39936981983	4306213.37198968	3754.871101122839	3595.49510203972	3478.831156817418	105.71249413755411	113.7286942871713	
113	172	126653	-297021.1413	905257.3170250766	39.56650721544468	-101.849408	254509.6523703289	4306205.63815869	3752.37432428254	3593.242819143896	3476.689836834237	105.71249413755411	113.7286942871713	
114	172	126654	-296361.1413	905257.3170250766	39.5665276992328	-101.8470027	254761.6103740002	4306208.743191951	3745.100112063935	3591.138252976518	3476.83656934958	105.71249413755411	113.7286942871713	
115	172	126655	-295701.1413	905257.3170250766	39.56654791314401	-101.8447099	254982.715053547	4306204.655678245	3741.76983673606	3589.033731370238	3476.010302943703	105.71249413755411	113.7286942871713	
116	172	126656	-295041.1413	905257.3170250766	39.56656808	-101.8423771	255093.8203905807	4306200.256891161	3739.63528465371	3586.929307390562	3474.945018968365	105.71249413755411	113.7286942871713	
117	172	126657	-294381.1413	905257.3170250766	39.566588024418614	-101.8400443	255294.9251354882	4306196.468991269	3737.500752322169	3584.829196	3473.5909150182356	105.71249413755411	113.7286942871713	
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119	172	126659	-293061.1413	905257.3170250766	39.56662831544468	-101.8353766	255709.1694555273	4306186.46794194	3732.37432428254	3580.242819143896	3476.689836834237	105.71249413755411	113.7286942871713	
120	172	126660	-292401.1413	905257.3170250766	39.5666483038175	-101.8330458	255928.731671772	4306184.194054704	3728.5216150496	3578.7694070054034	3476.010302943703	105.71249413755411	113.7286942871713	
121	172	126661	-291741.1413	905257.3170250766	39.5666684623196	-101.830713	256099.3412967876	4306180.08009548	3724.67148880604	3576.520986151516	3467.115175866034	105.71249413755411	113.7286942871713	
122	172	126662	-291081.1413	905257.3170250766	39.566688440435964	-101.8283801	256300.4447336074	4306170.50576061	3724.745623734596	3574.475623734596	3465.1792280618865	105.71249413755411	113.7286942871713	
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124	172	126664	-289761.1413	905257.3170250766	39.56672780446448	-101.8237145	256702.6508447666	4306162.4185867	3716.4239098402183	3571.4937047785	3461.193577047785	105.71249413755411	113.7286942871713	
125	172	126665	-289101.1413	905257.3170250766	39.5667476708984	-101.8213816	256903.753989372	4306153.73020447	3714.17875858134	3568.36116899105	3459.119521829564	105.71249413755411	113.7286942871713	
126	172	126666	-288441.1413	905257.3170250766	39.5667672465437	-101.819408	257104.850730234	4306142.63815869	3712.37432428254	3565.942819143896	3457.942819143896	105.71249413755411	113.7286942871713	
127	172	126667	-287781.1413	905257.3170250766	39.5667869715804	-101.8167159	257305.95830639	4306133.7449426	3711.18852586352	3564.26960542957	3455.7190846734	105.71249413755411	113.7286942871713	
128	172	126668	-287121.1413	905257.3170250766	39.56680658	-101.8143831	257507.0603009295	4306115.4546008	3708.950274067986	3562.158536671086	3452.588306262877	105.71249413755411	113.7286942871713	
129	172	126669	-286461.1413	905257.3170250766	39.5668261668713	-101.8120503	257708.1620508658	4306107.350279836	3706.713302976486	3559.92274832186	3452.094123968353	105.71249413755411	113.7286942871713	
130	172	126670	-285801.1413	905257.3170250766	39.5668457031159	-101.8097174	257909.26356977286	4306104.724952429	3704.4757185471035	3557.332766878276	3453.24200016581	105.71249413755411	113.7286942871713	
131	172	126671	-285141.1413	905257.3170250766	39.566865196579524	-101.807346	258110.364850207	4306139.184	3701.620525191987	3555.049083031374	3455.3782144704833	105.71249413755411	113.7286942871713	
132	172	126672	-284481.1413	905257.3170250766	39.5668846437091	-101.8050167	258311.46588117233	4306135.04204571	3698.161241295305	3552.53173938035	3456.061218087113	105.71249413755411	113.7286942871713	
133	172	126673	-283821.1413	905257.3170250766	39.5669034300791	-101.802781	258519.1694555273	4306126.46794194	3696.280365730513	3550.971937784984	3454.142868372	105.71249413755411	113.7286942871713	
134	172	126674	-283161.1413	905257.3170250766	39.5669234037901	-101.800361	258735.9672638713	4306119.14208865	3693.233674296336	3547.48357502288	3452.7392107429877	105.71249413755411	113.7286942871713	
135	172	126675	-282501.1413	905257.3170250766	39.5669427501347	-101.7980532	258914.75675683118	4306112.82461641	3685.958102239446	3544.88117871837	3454.04311	105.71249413755411	113.7286942871713	
136	172	126676	-281841.1413	905257.3170250766	39.56696198	-101.7957204	259115.86763847014	4306118.75310106	3684.167473657842	3547.381422545204	3452.442285013423	105.71249413755411	113.7286942871713	
137	172	126677	-281181.1413	905257.3170250766	39.5669810389759	-101.7933875	259316.9674819932	4306114.64883414	3683.099160027318	3545.09160027318	3453.63696358914	105.71249413755411	113.7286942871713	
138	172	126678	-280521.1413	905257.3170250766	39.5700380740146	-101.7910547	259518.067076087	4306110.55681381	3684.66026652301	3537.54540				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatTfLgts.f	SatTfLgts.f
217	172	126757	-223881.1413	905257.3170250766	39.58837295757704	-110.6067558	275404.2018697313	4359788.147899085	3600.2105791499366	314.5629988671377	327.420620559041	3332.63488670172437	86.1423753280963	80.92810982
218	172	126758	-227271.1413	905257.3170250766	39.5883682947902	-110.6044229	275605.281083373	4359784.07470185	3598.1908676338864	312.1683007783237	3325.7106818544953	331.5189714662827	86.7762792362837	80.86933831135184
219	172	126759	-227061.1413	905257.3170250766	39.5884049631786	-110.60209	275806.364125675	4359800.017154515	3598.042867183827	3411.2067891252	3324.137180911268	3328.3436248653316	87.0686978880584	82.86314371930216
220	172	126760	-226401.1413	905257.3170250766	39.5884153803833	-110.599757	276007.4448219537	4359795.92820879	3597.7692243570065	3410.02168904025	3322.638035728406	3325.35803646537	87.3635231158832	84.76329773934914
221	172	126761	-225741.1413	905257.3170250766	39.58843497480656	-110.5974241	276208.5254973407	4359771.85624356	3596.4908634873043	3408.837692053543	3320.205895411057	3321.054664809054	87.62390011	83.766371281130087
222	172	126762	-225081.1413	905257.3170250766	39.5884503646517	-110.5950911	276409.605821347	4359767.78326175	3594.21844127142	3407.664583125485	3319.902726203557	3323.908563603953	87.7312710899151	83.9539121195548
223	172	126763	-224421.1413	905257.3170250766	39.5884651304261	-110.5927582	276610.686896474	4359763.11726032	3593.2137883433667	3406.512923835717	3318.395374	3321.595416013927	87.7312710899151	84.9175072345819
224	172	126764	-223761.1413	905257.3170250766	39.5884811045566	-110.5904252	276811.76590054925	4359759.367294019	3592.260113133662	3405.403629412533	3316.632761916434	3319.589169216683	88.7706322088962	85.8181030898474
225	172	126765	-223101.1413	905257.3170250766	39.588492102589	-110.588023	277012.8456495866	4359755.367801127	3591.280391587283	3404.354424018367	3314.197841898206	3320.271345828266	89.0157652266251	84.0363176645572
226	172	126766	-222441.1413	905257.3170250766	39.5885148422268	-110.5857593	277213.9250851867	4359749.4963142505	3590.50436712708	3403.372619062027	3311.198712725457	3322.290532567404	91.3908918116267	81.08202579542528
227	172	126767	-221781.1413	905257.3170250766	39.58852664875616	-110.5834264	277415.0043234102	4359747.483675885	3588.247374974295	3402.410234585692	3310.8741252528506	3320.9916980840503	91.5668823270153	81.44932357454179
228	172	126768	-221121.1413	905257.3170250766	39.58854177002633	-110.5810934	277616.0338585871	4359743.35897015	3587.610833707232	3401.538879272312	3309.0515572045074	3317.668215142628	92.0282206870454	83.8706413058392
229	172	126769	-220461.1413	905257.3170250766	39.5885568623317	-110.5787605	277817.16217454907	4359738.256298525	3585.9742887507176	3400.647256888305	3307.34428287507176	3314.110524252113	93.3024821	85.53671482380953
230	172	126770	-219801.1413	905257.3170250766	39.58857187737662	-110.5764275	278018.24077105313	4359733.21872227	3584.3377511847104	3399.52968456842	3305.664432521564	3310.87956134009	93.4283430327825	88.87340711674324
231	172	126771	-219141.1413	905257.3170250766	39.58858683466715	-110.5740486	278219.3191495646	4359731.147	3580.759197254237	3398.847491393706	3304.118243100836	3304.17293423287076	94.86712236304951	88.6712236304951
232	172	126772	-218481.1413	905257.3170250766	39.588601804473345	-110.5717616	278420.397300202	4359727.07038659	3578.240436	3397.825333038367	3302.1559858435895	3308.120042404624	95.8938742029738	89.052888705048
233	172	126773	-217821.1413	905257.3170250766	39.58861670042654	-110.5694827	278621.4752505372	4359723.001	3568.721770460916	3396.858636735786	3301.05065187807906	3306.84896189263	95.8891175949598	90.73673711868024
234	172	126774	-217161.1413	905257.3170250766	39.58863155311624	-110.5670957	278822.5529733481	4359718.93099336	3564.207110626617	3396.029785127234	3299.57074	3301.269591595966	95.84278086	94.760135765433
235	172	126775	-216501.1413	905257.3170250766	39.58864635714244	-110.5647628	279023.63047843436	4359714.86077521	3559.854834134848	3395.0506858780964	3298.659234543616	3306.490086121503	96.39685403	94.6491772569404
236	172	126776	-215841.1413	905257.3170250766	39.58866117905086	-110.5624298	279224.7077655641	4359710.79115203	3558.679691815385	3394.05726593042167	3297.4838317426344	3299.175616213503	96.875762158235	94.87764906
237	172	126777	-215181.1413	905257.3170250766	39.58867583	-110.5600969	279425.7848352129	4359706.71274291	3553.504080217286	3393.053379254137	3296.518127	3298.1888010686125	96.3322112824359	94.86135886
238	172	126778	-214521.1413	905257.3170250766	39.5886904239675	-110.5577639	279626.8616874973	4359702.65249517	3550.329096171973	3392.016570652494	3296.375377683516	3298.16525494929	96.46119818	93.84804810291234
239	172	126779	-213861.1413	905257.3170250766	39.58871529811547	-110.5554323	279814.398644875	4359698.642424	3548.254468238853	3390.246872489823	3295.48472389823	3297.84872389823	96.4872389823	93.84872389823
240	172	126780	-213201.1413	905257.3170250766	39.5887319019754	-110.553098	280029.0147047948	4359695.514631259	3544.126920390155	3389.84243887865	3296.849615635584	3298.21476127037	93.03442724930537	91.66948250530131
241	172	126781	-212541.1413	905257.3170250766	39.58873424567431	-110.550765	280230.0904221774	4359690.446	3541.0490055183776	3388.7848465670168	3297.76968822143	3297.51468371427	91.01515774	91.267407828892
242	172	126782	-211881.1413	905257.3170250766	39.58874873614512	-110.5484321	280431.1669270977	4359687.37559329	3537.972883976323	3387.665837842833	3298.621471507233	3298.6204474071233	93.04439227705052	89.0454363716006
243	172	126783	-211221.1413	905257.3170250766	39.58876318146223	-110.5460991	280632.2497	4359682.309	3535.6484313976725	3386.529711410414	3300.347048396372	3298.6204717562487	96.18266201404231	86.0663895
244	172	126784	-210561.1413	905257.3170250766	39.5887781711557	-110.5437661	280833.31824804755	4359678.241279351	3534.0765487182407	3385.3776733039667	3302.122340233797	3301.715268867015	93.2553330716985	83.65240444
245	172	126785	-209901.1413	905257.3170250766	39.5887918989122	-110.5414323	281034.398644875	4359674.731	3531.944682368853	3384.2967746436185	3300.642847956762	3301.715268867015	93.2553330716985	83.65240444
246	172	126786	-209241.1413	905257.3170250766	39.5888116145047	-110.5391002	281212.4689052013	4359670.105789236	3529.8332765107176	3383.0256351401176	3300.642847956762	3302.145268867015	93.2553330716985	83.65240444
247	172	126787	-208581.1413	905257.3170250766	39.58882051209978	-110.5367672	281436.537104857	4359666.330342126	3528.270617669724	3381.8251122819146	3300.955310373982	3300.642847956762	93.2553330716985	83.65240444
248	172	126788	-207921.1413	905257.3170250766	39.58883473209777	-110.5344343	281637.6184004717	4359661.97109267	3527.518163269972256	3379.4874036729234	3297.688129186026	3301.232523432025	93.2553330716985	83.65240444
249	172	126789	-207261.1413	905257.3170250766	39.588848807031884	-110.5321013	281838.6928752457	4359657.904041755	3525.765711	3379.374077007800	3295.3830416589153	3294.87712939578	93.93916604	84.4963316
250	172	126790	-206601.1413	905257.3170250766	39.5888630690206	-110.5297683	282039.7673171525	4359653.837188475	3524.0132286294332	3378.1203327471344	3292.151109691018	3291.658191293805	95.89922630511633	86.46214145518388
251	172	126791	-205941.1413	905257.3170250766	39.58887712170765	-110.5274394	282240.8411804548	4359649.70353118	3521.868950850803	3376.839796073393	3288.8902138141298	3288.8902138141298	95.89922630511633	86.46214145518388
252	172	126792	-205281.1413	905257.3170250766	39.58889116145047	-110.5251074	282441.9150111475	4359645.70475834	3519.4332673764944	3375.81789092019	3288.71789092019	3288.71789092019	95.89922630511633	86.46214145518388
253	172	126793	-204621.1413	905257.3170250766	39.588905156128714	-110.5227694	282642.98862760613	4359641.67816161	3518.060025941057	3374.744042525056	3288.27412823468	3287.81865407775934	91.9320742178524	93.2303846757818
254	172	126794	-203961.1413	905257.3170250766	39.588919105742906	-110.5204364	282844.062029988	4359637.57154541	3514.265223519308	3372.834032720539	3279.0219240519416	3278.711437509579	93.8121082185979	94.12295515
255	172	126795	-203301.1413	905257.3170250766	39.58893301029306	-110.5181035	283045.1352184925	4359633.505890922	3511.6334888126056	3371.435880126056	3275.750712082893	3275.750712082893	95.8470112470508	95.8470112470508
256	172	126796	-202641.1413	905257.3170250766	39.58894689739006	-110.5157705	283246.2801933317	4359629.40224887	3508.904824034697	3370.050456354884	3272.5783753471487	3272.5783753471487	95.89922630511633	86.46214145518388
257	172	126797	-201981.1413	905257.3170250766	39.58896086421044	-110.5134375	283447.2809547079	4359625.43770538	3506.176185194038	3368.5239308762705	3269.5293084691484	3269.42159811408467	95.89922630511633	86.46214145518388
258	172	126798	-201321.1413	905257.3170250766	39.58897445355884	-110.5111405	283648.3530622642	4359621.304948661	3503.447394013818	3366.3617145532	3268.612365707142	3268.612365707142	95.89922630511633	86.46214145518388
259	172	126799	-200661.1413	905257.3170250766	39.58898815708193	-110.508836	283849.4607911456	4359617.179504402	3500.447394013818	3364.561140744535	3267.04095031308	3267.04095031308	95.89922630511633	86.46214145518388
260	172	126800	-200001.1413	905257.3170250766	39.58900155708193	-110.506548	284050.4979011456	4359613.179504402	3497.515651365295	3362.385254067704	3266.617825248704	3266.617825248704	95.89922630511633	86.46214145518388
261	172	126801												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogsKgf.	BRiElevBothKgf.	SatHtLogs.	SatHtBoth.
343	172	126883	-145221.1413	905257.3170250766	39.59980136969014	-101.3127986	33788.76260360284	4359276.483948575	3310.832523181222	3321.6265282953747	3176.3143279998916	3181.0608949706752	31.732120095539311	70.56563369496948
344	172	126884	-144561.1413	905257.3170250766	39.59990003	-101.3045496	30039.81757978234	4359274.435667069	3315.1620741278911	3249.6994048342253	3174.875810597285	3180.390458268074	31.742809124	69.30846303731791
345	172	126885	-143801.1413	905257.3170250766	39.59999999	-101.2981435	30140.326956684	4359268.387824763	3319.488697444003	3247.73408847768413	3179.04381478452	3174.96716417890454	31.74067147131405	68.7301417131405
346	172	126886	-143241.1413	905257.3170250766	39.5999086302936	-101.3005764	301341.928946166	4359264.390688983	3323.8151021079614	3245.500806988834	3172.62674073597285	3178.4509509038374	31.7234093926718	67.39174906496948
347	172	126887	-142581.1413	905257.3170250766	39.599901944	-101.3034664	301542.9813387807	4359260.29005745	3327.68898823149	3243.9296994078068	3171.6536416324933	3177.0126883272779	31.72260757731244	66.91701003502794
348	172	126888	-141921.1413	905257.3170250766	39.59992155072304	-101.3011334	301744.03535261684	4359265.245	3331.1087434806794	3242.010967103535	3170.791963254584	3176.8157995103516	31.71287036	65.19519721
349	172	126889	-141261.1413	905257.3170250766	39.599903882	-101.2988003	301545.0985383801	4359252.19721447	3334.528488139614	3240.052490073983	3170.070797	3176.832945757805	31.702427933	63.26284926
350	172	126890	-140601.1413	905257.3170250766	39.59990448650506	-101.2964673	302146.1433407767	4359248.150119349	3337.944232387364	3238.182693	3170.8262851081668	3170.760280877766	31.70363179	61.39232205163694
351	172	126891	-139941.1413	905257.3170250766	39.59990580514031	-101.2941345	302347.1968355145	4359244.103217807	3340.523685898505	3236.271813822274	3170.2513879712774	3174.766589197981	31.6920525899662	60.59532369429396
352	172	126892	-139281.1413	905257.3170250766	39.59990755836316	-101.2919012	302548.25057228817	4359240.00653719	3342.25556	3236.2889824754	3169.775752030173	3174.201219889384	31.648702823575	60.1676543807690
353	172	126893	-138621.1413	905257.3170250766	39.59990730677	-101.2894681	302749.3059373193	4359236.01065778	3343.98736352497	3232.45671339521	3168.378825758234	3173.6912898082828	31.60778674122688	58.17605306896285
354	172	126894	-137961.1413	905257.3170250766	39.5999064961232	-101.2871351	302950.5682679376	4359231.96396995	3345.719066887895	3230.523876756256	3169.021795891434	3172.973566984743	31.615309718418198	57.35530307715127
355	172	126895	-137301.1413	905257.3170250766	39.599905989	-101.284802	303151.4094669312	4359221.97584266	3348.0874715952508	3228.647115952508	3169.5033096610277	3172.4764802171962	31.614108629148041	56.17035023504594
356	172	126896	-136641.1413	905257.3170250766	39.59991054095578	-101.282469	303352.4621119348	4359223.61766693	3342.0929111049977	3226.739882688985	3168.913587524203	3170.471422748646	31.612629516782096	55.16521841032272
357	172	126897	-135981.1413	905257.3170250766	39.599911454848775	-101.2801359	303593.55146	4359219.82595231	3338.059294396734	3224.8301975806144	3168.1053163345954	3170.474427279626	31.61748817496204	54.41777031
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383	172	126923	-118821.1413	905257.3170250766	39.599934073535443	-101.2194764	308780.81731717066	4359114.706	3310.2663931472584	3164.70151	3110.062473559968	3113.734998969897	31.61253672982841	43.936685895894036
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
467	172	127009	-62061.14133	905257.3170250766	39.360871849069134	-0.110188312	326070.2179860606	4358767.9508703992	3164.971563242132	2992.423058518468	2936.27908687650998	2937.320627	156.14488705	58.10242833219809
470	172	127010	-61401.14133	905257.3170250766	39.360876064373805	-0.110184891	326271.2495955635	4358763.927437317	3161.473278300337	2994.424422246486	2934.896898121834	2934.886250218795	60.52471790077904	57.92541790077904
471	172	127011	-60741.14133	905257.3170250766	39.360876064373805	-0.110184891	326422.1617630914	4358763.927437317	3162.740584929374	2994.424422246486	2934.896898121834	2934.886250218795	62.16139815	57.92541790077904
472	172	127012	-60081.14133	905257.3170250766	39.360884359779774	-0.110181319	326673.133396088	4358755.800764533	3162.775565120344	2992.427477730027	2929.421132301054	2930.4909817466228	63.005344469408305	61.936495083893905
473	172	127013	-59421.14133	905257.3170250766	39.36088843988106	-0.110094888	326874.34466179133	4358751.858061574	3164.810602	2991.427767526507	2926.9844314099922	2928.000911586127	64.43434350368512	63.42685954037994
474	172	127014	-58761.14133	905257.3170250766	39.3608924791455	-0.110071657	327075.376157515	4358747.835349667	3166.84536382516	2990.4262515922205	2924.320880460425	2925.209391058236	66.10537112699173	65.21632035
475	172	127015	-58101.14133	905257.3170250766	39.3608964688019	-0.110048326	327276.407285039	4358743.81203314	3166.868026600292	2989.4221953197703	2921.492843315133	2922.204755427884	67.21945079188617	67.21945079188617
476	172	127016	-57441.14133	905257.3170250766	39.3609004097804	-0.110024495	327477.4382474245	4358739.79015412	3161.878307220369	2988.416805989334	2918.066158685674	2918.714122495841	70.35072471235935	69.70271873003929
477	172	127017	-56781.14133	905257.3170250766	39.3609043596905	-0.110001664	327678.4698431788	4358736.763828951	3161.878307220369	2988.416805989334	2918.066158685674	2918.714122495841	72.83486276784612	72.83486276784612
478	172	127018	-56121.14133	905257.3170250766	39.360908154370215	-0.109978333	327879.4956551283	4358731.74638153	3161.878307220369	2988.416805989334	2918.066158685674	2918.714122495841	75.3573710592948	75.3573710592948
479	172	127019	-55461.14133	905257.3170250766	39.36091197406452	-0.109955002	328080.5011054945	4358727.724732308	3161.1170768236	2986.30657713171	2903.70442772252	2903.7402015963476	81.65047411822636	81.65047411822636
480	172	127020	-54801.14133	905257.3170250766	39.36091573869097	-0.109931671	328281.5603970856	4358723.701972114	3146.528184739719	2984.376504107693	2896.903619025043	2896.744089114636	87.42284178718881	87.42284178718881
481	172	127021	-54141.14133	905257.3170250766	39.3609194691	-0.10990834	328482.5905169783	4358718.68158229	3142.945204239602	2983.3592332773972	2891.110453103063	2891.742481835696	92.6438624660606	92.6438624660606
482	172	127022	-53481.14133	905257.3170250766	39.36092313274031	-0.109885009	328683.6204689678	4358716.6071538	3136.30126053085	2982.339126	2888.16715	2887.7296019144	94.1720120856977	94.1720120856977
483	172	127023	-52821.14133	905257.3170250766	39.360926126716319	-0.109861678	328884.6502538854	4358713.378968541	3136.30126053085	2982.339126	2888.16715	2887.7296019144	96.30911344812402	96.30911344812402
484	172	127024	-52161.14133	905257.3170250766	39.36092934651817	-0.109838347	329085.67891793575	4358710.619071725	3133.31762847674	2980.289793865866	2883.100614	2882.51589620298	97.23804113858585	97.23804113858585
485	172	127025	-51501.14133	905257.3170250766	39.36093338850244	-0.109815016	329286.7803323225	4358703.598	3130.483561678033	2978.295807333777	2877.21407053451536	2877.055173285084	102.0433818862342	102.0433818862342
486	172	127026	-50841.14133	905257.3170250766	39.360937380024456	-0.109791685	329487.736802507	4358697.5104602	3127.6492947680035	2978.212117323682	2869.7761179520817	2869.337242166923	108.88237415538988	108.88237415538988
487	172	127027	-50181.14133	905257.3170250766	39.36094082917575	-0.109768354	329687.767282724	4358695.57942083	3125.1547537122037	2977.178957951146	2863.43225296491	2862.821006515704	113.7467049455213	113.7467049455213
488	172	127028	-49521.14133	905257.3170250766	39.36094423332591	-0.109745023	329889.7966755573	4358693.57975058	3122.999349342939	2976.131693919008	2860.857585692175	2860.006120	114.8579514535105	114.8579514535105
489	172	127029	-48861.14133	905257.3170250766	39.36094792274568	-0.109721692	330090.8254663412	4358687.518005175	3120.845123268674	2975.0786973231	2860.950426200389	2860.950426200389	114.12827111254228	114.12827111254228
490	172	127030	-48201.14133	905257.3170250766	39.36095106622136	-0.109698361	330291.8540874906	4358683.45803775	3118.693040469807	2974.020094124313	2861.19128616259	2861.19128616259	114.8286259467214	114.8286259467214
491	172	127031	-47541.14133	905257.3170250766	39.36095419529695	-0.109675018	330492.8672369419	4358679.76277472	3116.7186677472	2972.96134288171	2859.82704086171	2859.82704086171	115.23070294874628	115.23070294874628
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493	172	127033	-46221.14133	905257.3170250766	39.36096076757717	-0.109628368	330894.938991658	4358671.40108377	3115.433192094615	2970.8145066414	2857.189705	2855.33279488805	116.62801175300529	116.62801175300529
494	172	127034	-45561.14133	905257.3170250766	39.36096371132396	-0.109605307	331095.9689187185	4358665.42293319	3114.561739384073	2969.72356391487	2850.238155029299	2850.171377726627	119.4940887185074	119.4940887185074
495	172	127035	-44901.14133	905257.3170250766	39.3609667994073	-0.109581706	331296.9947158579	4358663.404	3112.551793980476	2968.6445208194004	2844.685557	2844.264707938067	124.3771378428695	124.3771378428695
496	172	127036	-44241.14133	905257.3170250766	39.36096984348609	-0.109558375	331498.0223744918	4358659.35300761	3110.404647635634	2967.55101375577	2844.424154341608	2844.004805105711	123.12734703396336	123.12734703396336
497	172	127037	-43581.14133	905257.3170250766	39.3609728419529695	-0.10953504	331699.0846142945	4358655.3798154	3108.25914515712	2966.45518916988	2843.16299198877	2843.16299198877	125.26911880754707	125.26911880754707
498	172	127038	-42921.14133	905257.3170250766	39.360975763564	-0.109511713	331900.071133607	4358651.540901706	3110.11035500096	2965.41080370128	2841.61080370128	2841.61080370128	125.7485126221012	125.7485126221012
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501	172	127041	-40941.14133	905257.3170250766	39.36098438516055	-0.109441719	332503.1580467451	4358639.22648071	3080.553712845758	2962.082338024673	2852.87571600579	2852.87571600579	125.7485126221012	125.7485126221012
502	172	127042	-40281.14133	905257.3170250766	39.36098715293985	-0.109418388	332704.18479617895	4358635.279023401	3078.1046825325945	2960.999032429545	2853.061214381868	2853.061214381868	125.7485126221012	125.7485126221012
503	172	127043	-39621.14133	905257.3170250766	39.36099086357588	-0.109395057	332905.2112827126	4358631.2988955	3083.689222440005	2959.923244588105	2852.770226036015	2852.770226036015	125.7485126221012	125.7485126221012
504	172	127044	-38961.14133	905257.3170250766	39.3609935835388	-0.10937172	333106.227694919	4358627.24516522	3083.0740415712	2958.85273544112	2851.841737	2851.841737	125.7485126221012	125.7485126221012
505	172	127045	-38301.14133	905257.3170250766	39.36099620728185	-0.109348595	333307.2637676906	4358618.29369855	3077.7865740201505	2957.770226036015	2850.92332116565	2850.92332116565	125.7485126221012	125.7485126221012
506	172	127046	-37641.14133	905257.3170250766	39.36099780014183	-0.109325064	333508.2897665446	4358614.21901867	3081.899268984573	2956.7235032736	2848.742500032009	2848.742500032009	125.7485126221012	125.7485126221012
507	172	127047	-36981.14133	905257.3170250766	39.3610034783377	-0.109301733	333709.3156024866	4358615.19548776	3081.1480086944226	2955.660748317138	2847.15126042786	2847.15126042786	125.7485126221012	125.7485126221012
508	172	127048	-36321.14133	905257.3170250766	39.36100285065772	-0.109278402	333910.3412780077	4358611.18	3080.235374525546	2954.593355157948	2845.63187562384	2845.63187562384	125.7485126221012	125.7485126221012
509	172	127049	-35661.14133	905257.3170250766	39.36100353136135	-0.109255071	334111.3697910276	4358607.163590058	3079.32274035883	2953.517637039073	2843.855846794678	2843.855846794678	125.7485126221012	125.7485126221012
510	172	127050	-35001.14133	905257.3170250766	39.36100772090149	-0.10923174	334312.3921	4358603.14825944	3078.01410618711	2952.42063435345	2841.78870240937	2841.78870240937	125.7485126221012	125.7485126221012
511	172	127051	-34341.14133	905257.3170250766	39.36101239915477	-0.109208378	334513.422617023	4358595.11571084	3076.70639071681	2951.2957026023248	2839.6530529206	2839.6530529206	125.7485126221012	125.7485126221012
512	172	127052	-33681.14133	905257.3170250766	39.361014170817316	-0.109185073	334713.44223617023	4358591.7517084	3075.400763071681	2950.27026023248	2838.30529206	2838.30529206	125.7485126221012	125.748512

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVLogsKrg	BRIEVBothKrg	SatHtLogs	SatHtBoth
595	172	12136	21758.8586730335	905257.31702502676	39.36104806991673	-100.7248596	351398.9785802	4332567901	2957.867612222025	273.103993842455	2757.801725217786	2751.492290637368	35.3068626466894	42.8187032090868
596	172	12136	21758.8586730335	905257.31702502676	39.36104660364572	-100.7226265	351599.9077887269	4358256.533714936	2956.429717887923	271.774952096391	2755.363886745506	2748.654321584846	39.36126324195456	43.12030511404215
597	172	12137	22418.8586730335	905257.31702502676	39.361059839369	-100.7201834	351861.0026821373	4358254.535679058	2954.209252914287	272.786909639568	2756.626809637552	2738.869063958904	44.2701832327078	44.2701832327078
598	172	12138	23078.8586730335	905257.31702502676	39.3610343189938	-100.7178062	352002.0148018196	4358250.537	2953.551634184514	2786.75399394375	2748.052176451509	2748.052176451509	38.68381740222594	40.1170179354592
599	172	12138	23738.8586730335	905257.31702502676	39.36104143242055	-100.7155271	352203.0266	435826.453629139	2951.9520509578183	2784.234739412227	2743.554785	2738.888257136299	40.68894548917721	45.35548228
600	172	12140	24398.8586730335	905257.31702502676	39.36102409988035	-100.713194	352404.002835153754	435824.25204199	2950.201402687210	2781.7767482023	2738.131776467005	2741.474874257888	44.6499968	40.3018189031444
601	172	12141	25058.8586730335	905257.31702502676	39.36103861	-100.7108609	352605.04907619903	435823.5842426751	2948.675979596244	2779.35870674862	2735.0687645983247	2748.657022664464	44.27083015533717	45.35548228
602	172	12142	25718.8586730335	905257.31702502676	39.3610367758948	-100.708278	352806.0611	435824.545	2946.69378895027	2776.396159872855	2731.708712931388	2729.39175420459	45.2244706	43.1544857468267
603	172	12143	26378.8586730335	905257.31702502676	39.3610596841754	-100.7061947	353007.0275510033	435820.547	2944.2899128902394	2774.5689238436	2738.322286449708	2725.626809637552	44.268231896437	48.8427489968332
604	172	12144	27038.8586730335	905257.31702502676	39.3610327052597	-100.7038618	353208.08343817626	435820.54909483	2942.283577511306	2772.2398517346533	2735.1675211060183	2724.819121934416	47.0523032863499	47.0523032863499
605	172	12145	27698.8586730335	905257.31702502676	39.36103140614207	-100.7015285	353409.09439719635	435822.5620076485	2938.927526212008	2769.9487260319657	2722.139452273067	2722.613809806057	48.0270376118916	47.33333106385994
606	172	12146	28358.8586730335	905257.31702502676	39.36102942190067	-100.6991954	353610.10517837136	435821.856015501	2937.57177742912	2767.6901650440977	2718.976314231969	2724.421545890654	48.138235809686	43.26871450532296
607	172	12147	29018.8586730335	905257.31702502676	39.36102573317005	-100.6968623	353811.115839038	435821.4535318389	2936.31733587497	2767.4916798654387	2716.174529369636	2719.4974868184387	49.287474589397	45.96450835
608	172	12148	29678.8586730335	905257.31702502676	39.36102552098192	-100.6945292	354012.1263520085	435821.56281296	2936.164197828767	2763.26140108375	2713.464593233828	2717.297269	49.7970207700949	45.9639479684734
609	172	12149	30338.8586730335	905257.31702502676	39.361023492575	-100.692196	354213.1376268801	435820.566930928	2934.00105977509	2761.068132899474	2710.945447502128	2715.301435422519	50.10085972919386	48.964947826857
610	172	12150	30998.8586730335	905257.31702502676	39.361021385701484	-100.6898629	354414.1469072556	435820.2713907183	2935.851671290354	2758.931591064676	2708.45313672575	2712.497855683524	50.17845508090765	46.43378122942264
611	172	12151	31658.8586730335	905257.31702502676	39.36101924640916	-100.6875298	354615.1571	435819.57448097	2934.87111505888	2756.922659072387	2706.063019653746	2706.478782555763	50.72926253285375	50.31639345166241
612	172	12152	32318.8586730335	905257.31702502676	39.3610170624878	-100.6851967	354816.167006161	435819.57448097	2933.05038106712	2754.664448480797	2703.664278748503	2701.3272391816877	50.9060557322945	48.3387563092074
613	172	12153	32978.8586730335	905257.31702502676	39.36101483262035	-100.6828636	355017.176818137	435819.57448097	2931.230167114537	2752.5459416182016	2701.61040249515	2698.242346900535	50.9354317	54.3036169281431
614	172	12154	33638.8586730335	905257.31702502676	39.36101255813267	-100.6805305	355218.1684969076	435819.587988807	2929.049685131165	2750.434619351596	2699.3540995253835	2696.830995253835	51.0797128042582	53.59536249770044
615	172	12155	34298.8586730335	905257.31702502676	39.361010238559345	-100.6781974	355419.19602175947	435819.59276161	2928.641094261095	2748.32659811257	2697.4346812089057	2695.865799059024	50.89182743227002	52.46079054608331
616	172	12156	34958.8586730335	905257.31702502676	39.36100773675266	-100.6758843	355620.2504717597	435819.5918791446	2926.951879189446	2746.219524101873	2695.5313876715963	2694.758632033996	50.86876643050903	51.9407226878766
617	172	12157	35618.8586730335	905257.31702502676	39.361005242615	-100.6735994	355822.254177644	435819.59251918	2924.951862824917	2744.11793271578	2694.229406876708	2693.893097709554	50.8290307708554	52.46079054608331
618	172	12158	36278.8586730335	905257.31702502676	39.3610030045762	-100.6711981	356022.237727006	435819.608519872	2923.490977130204	2742.003752932007	2692.027631336887	2690.850589549617	49.97489358951202	42.0231624093363
619	172	12159	36938.8586730335	905257.31702502676	39.36100095062084	-100.668885	356223.2237503487	435816.614	2928.21671933274	2739.895355	2689.9734677438755	2701.06249137724	49.97489358951202	42.0231624093363
620	172	12160	37598.8586730335	905257.31702502676	39.36099796471617	-100.6665319	356424.2415872934	435816.62000013	2925.389285	2697.7850634083106	2687.360145306762	2689.055660151234	50.4420180995485	39.7254937
621	172	12161	38258.8586730335	905257.31702502676	39.36099537474345	-100.6641988	356625.25028402824	435816.620034253	2922.56032558503	2735.67373923141	2684.213551	2692.7606706612681	50.46202710431026	49.1216024928019
622	172	12162	38918.8586730335	905257.31702502676	39.36099273977024	-100.661856	356826.2588	435816.623259798	2919.73149867055	2733.565304261422	2680.996189200356	2685.8173532935293	50.89182743227002	52.46079054608331
623	172	12163	39578.8586730335	905257.31702502676	39.36099036929401	-100.6595933	357027.26726874853	435816.623259798	2918.66599283131	2731.465789158671	2679.958586866475	2683.958586866475	49.97489358951202	42.0231624093363
624	172	12164	40238.8586730335	905257.31702502676	39.360987923417724	-100.6573994	357228.254177644	435816.623259798	2917.581862824917	2729.895355	2678.9734677438755	2681.06249137724	49.97489358951202	42.0231624093363
625	172	12165	40898.8586730335	905257.31702502676	39.36098546417255	-100.6548663	357429.2836845346	435816.625111157	2925.061389502747	2727.334740900426	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
626	172	12166	41558.8586730335	905257.31702502676	39.36098174885897	-100.6525332	357630.291601865	435816.625111157	2923.75912372403	2727.334740900426	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
627	172	12167	42218.8586730335	905257.31702502676	39.3609788847912	-100.6502001	357831.2965579811	435816.666319748	2928.405559165807	2727.334740900426	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
628	172	12168	42878.8586730335	905257.31702502676	39.36097593030436	-100.647867	358032.307284411	435816.631761324	2926.026899199817	2727.334740900426	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
629	172	12169	43538.8586730335	905257.31702502676	39.36097303251376	-100.6455339	358233.3148817227	435816.631761324	2925.670810673079	2727.334740900426	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
630	172	12170	44198.8586730335	905257.31702502676	39.36097016929401	-100.6432008	358434.322480927	435816.631761324	2924.951862824917	2726.951862824917	2673.3948071010287	2681.06249137724	49.97489358951202	42.0231624093363
631	172	12171	44858.8586730335	905257.31702502676	39.36096796471617	-100.6408875	358635.2937577817	435816.631761324	2923.674148008	2717.36033173257	2674.66641654879	2689.278961640678	50.8290307708554	28.0814270061943
632	172	12172	45518.8586730335	905257.31702502676	39.3609631055442	-100.6385346	358836.3369	435814.705	2917.693261596552	2716.220235293634	2663.341478934173	2682.240401828394	50.7625925191124	33.9798340054026
633	172	12173	46178.8586730335	905257.31702502676	39.3609607975659	-100.6362015	359037.343087829	435814.713619653	2916.7428897229632	2715.170771877123	2661.465599919162	2677.738436	53.87158779275844	37.7000424014119
634	172	12174	46838.8586730335	905257.31702502676	39.36095763094005	-100.6338684	359238.3508985876	435816.10627185141	2904.804212339441	2714.1855390925167	2660.01925294103	2674.043794917392	54.18361460481379	40.1474948458485
635	172	12175	47498.8586730335	905257.31702502676	39.3609543289468	-100.6315353	359439.3576734487	435816.10627185141	2902.671146807137	2713.244392728876	2658.0162345998946	2673.25554931939	54.18361460481379	40.1474948458485
636	172	12176	48158.8586730335	905257.31702502676	39.3609511695264	-100.6292522	359640.3631261816	435809.739004476	2900.1991021204617	2712.316800474117	2657.14845369945	2672.74406577281	55.216340501724	39.55707347013904
637	172	12177	48818.8586730335	905257.31702502676	39.360948014498014	-100.626936	359841.370247196	435809.739004476	2898.551862824917	2710.94573091578	2656.229406876708	2674.043794917392	55.216340501724	39.55707347013904
638	172	12178	49478.8586730335	905257.31702502676	39.36094449804014	-100.624536	360042.3717846025	435809.7						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BREVELogsKt.f	BREVEBothKt.f	LatBoth.f	LatBoth.ft
721	172	12721	104258.85867307335	905257.3170250766	39.3605087818362	-100.4308984	376725.4546114118	4337760.21205142	2684.535580145144	2599.3469119816123	2534.191301216299	2534.59383	66.15561076531321	64.75309539534205
722	172	12722	104618.85867307335	905257.3170250766	39.3605016433191	-100.4289563	376926.4505475423	4337756.23724239	2677.358094190689	2593.2348001344	2528.7210918873343	2528.439498210786	69.5123887140093	69.79402739055798
723	172	12723	105239.85867307335	905257.3170250766	39.3604445691168	-100.426233	377127.4458964354	4337752.263499327	2681.19065496179	2597.121478548165	2527.764117473635	2527.467759175089	69.3376481	69.327231
724	172	12724	106487.85867307335	905257.3170250766	39.36048724257512	-100.4309082	377328.441467361	4337748.29965121	2665.938476490921	2596.009842117796	2527.854564696385	2528.214571930067	68.99248712817	67.79527271871285
725	172	12725	106888.85867307335	905257.3170250766	39.3604799475751	-100.4215571	377529.4386508432	4337744.31906288	2660.71789334419	2594.898481319391	2525.2037637300455	2525.590128847017	69.6477159	69.3083527
726	172	12726	107586.85867307335	905257.3170250766	39.3604726500876	-100.4192254	377703.4321170774	4337740.32450426	2655.497130233514	2593.767106992294	2519.2782016242486	2519.242446886371	70.5940907	74.5451631292954
727	172	12727	108218.85867307335	905257.3170250766	39.3604652836322	-100.416891	377891.4272662738	4337736.389687525	2649.337109182026	2592.678999499499	2515.38534114230683	2513.587544959937	78.28248857132619	79.0892453500003
728	172	12728	108768.85867307335	905257.3170250766	39.36045784615853	-100.4145579	378132.42296363	4337732.39583470	2647.239186014578	2591.565444210766	2510.2837755201317	2510.16759683211	81.1261669093249	81.4029542453438
729	172	12729	109539.85867307335	905257.3170250766	39.3604435898989	-100.412246	378353.4171430867	4337728.42864374	2638.140693937415	2590.449414451486	2508.1103873458	2508.303184729683	81.33895710687308	81.1622972240568
730	172	12730	110198.85867307335	905257.3170250766	39.36044289548284	-100.409817	378534.412136777	4337724.45002609	2628.042708015928	2589.329045477767	2508.703432	2509.10544528262	80.2205992590262	80.2205992590262
731	172	12731	110858.85867307335	905257.3170250766	39.3604339314269	-100.4075857	378735.4069667685	4337720.47507364	2625.942478972633	2588.194278972633	2506.643593409193	2506.9771519342984	81.55029379807047	81.21705956296387
732	172	12732	111518.85867307335	905257.3170250766	39.360427746670155	-100.4052256	378936.401263491	4337716.5051196385	2626.016795427874	2587.053189047538	2505.8676440531544	2505.7681609799757	81.18554449943839	80.885206765242
733	172	12733	112178.85867307335	905257.3170250766	39.3604201093701	-100.4028925	379137.3957151074	4337712.53295822	2625.05263958804	2585.2055197003	2505.455263958804	2505.768101459788	80.144373721505	80.144373721505
734	172	12734	112838.85867307335	905257.3170250766	39.36041242652432	-100.4005595	379338.390057991	4337708.561	2625.048792	2584.74262914991	2505.3154883852003	2505.899916101671	79.9663257323015	79.9663257323015
735	172	12735	113498.85867307335	905257.3170250766	39.36040716099864	-100.3982264	379539.3942710315	4337704.589119965	2625.042820142855	2583.73486724408	2505.36004431570525	2505.899923631748	79.19304736613047	79.19304736613047
736	172	12736	114158.85867307335	905257.3170250766	39.36039690111084	-100.3958933	379740.3787090823	4337700.17671515	2619.1705751217	2582.397611325665	2506.250005986744	2507.161325604534	79.1383547271921	79.2363376514306
737	172	12737	114818.85867307335	905257.3170250766	39.36038910830306	-100.3935602	379941.3723661715	4337696.646809436	2612.913082934938	2581.216395390638	2508.058349212444	2509.520485848228	73.7156047	71.6958986041002
738	172	12738	115478.85867307335	905257.3170250766	39.3603812454296	-100.3912272	380142.3602414684	4337692.674965015	2606.65521368214	2580.03120634451	2507.5817591375276	2509.520485848228	73.7156047	71.6958986041002
739	172	12739	116138.85867307335	905257.3170250766	39.3603733748914	-100.3888941	380343.360021844	4337688.73034448	2604.386417551507	2578.84375897766	2498.136726806537	2498.2783077119386	80.730703913296	80.5645218578301
740	172	12740	116788.85867307335	905257.3170250766	39.3603653448159	-100.386561	380544.3548542304	4337684.73097727	2600.13003549481	2577.655004418068	2494.520451061865	2494.8127312159016	81.1354538011879	82.8437724827815
1	173	12741	-370941.1431	905917.3170250766	39.35579805042375	-102.1106751	371969.2433961791	436087.9327265376	3998.51602412311	3764.3576629701238	3700.151933090959	3700.191696788014	64.20626990916914	64.16596618200401
2	173	12742	-370281.1431	905917.3170250766	39.35579129037005	-102.1083424	372170.3735566108	4360869.81602463	3997.907566816613	3762.393591870826	3701.9412892	3705.367186230297	65.02462672	67.5715847571635
3	173	12743	-369581.1431	905917.3170250766	39.35579129037005	-102.106097	372378.3735566108	4360869.81602463	3997.907566816613	3762.393591870826	3701.9412892	3705.367186230297	65.02462672	67.5715847571635
4	173	12744	-368961.1431	905917.3170250766	39.35584175555794	-102.103677	372572.6431786405	4360861.578595992	3992.342829249638	3760.064744455007	3708.660538972455	3709.447924790591	65.425005252517	65.6385496
5	173	12745	-368391.1431	905917.3170250766	39.3558603601812	-102.1013443	372773.7763609007	4360857.463	3990.3354145192917	3758.651722374138	3702.5320752784282	3702.922486067814	65.1196968585514	65.1196968585514
6	173	12746	-367641.1431	905917.3170250766	39.3558926011229	-102.0990115	372974.0893903914	4360853.347149111	3987.427996040397	3757.2143643098	3697.7044659006883	3697.97110075156	65.068075302972	65.068075302972
7	173	12747	-366981.1431	905917.3170250766	39.355917141170465	-102.0966788	373176.0412523531	4360849.231725461	3985.2536907611334	3755.764682998819	3693.696609121116	3693.9675978235687	60.080737770221	61.79708517525023
8	173	12748	-366321.1431	905917.3170250766	39.35594217616262	-102.094361	373377.17330093005	4360845.11650166	3983.8160578422103	3754.3190812	3688.838552927699	3688.146464657848	65.4723299683105	65.1644476668216
9	173	12749	-365661.1431	905917.3170250766	39.35597164099864	-102.0920134	373578.3058520297	4360841.2011651298	3982.266358184237	3752.949808174087	3687.675251168974	3687.87922651016	70.1737673629683	70.1737673629683
10	173	12750	-365001.1431	905917.3170250766	39.35599211097862	-102.0894806	373779.3735566108	4360836.85695305	3980.581269544837	3751.811893198155	3686.48539734484	3686.48539734484	71.7781010389067	71.7781010389067
11	173	12751	-364341.1431	905917.3170250766	39.3560170180235	-102.0873479	373980.56786119123	4360832.72729335	3978.944887	3754.905400880667	3670.589035465508	3670.550216550004	73.3160953924687	73.3160953924687
12	173	12752	-363681.1431	905917.3170250766	39.3560186556986	-102.0850152	374181.69885371	4360828.658	3976.43754578054	3748.422138	3665.75722570742	3665.577680042324	82.6491594	82.84477695424757
13	173	12753	-363021.1431	905917.3170250766	39.35606667528108	-102.0826824	374382.826819615	4360824.5380234	3973.920163358483	3746.93180235049	3662.561883701294	3662.292814469616	84.3699186492042	84.63898740885212
14	173	12754	-362361.1431	905917.3170250766	39.35609143993597	-102.0803497	374583.9604701547	4360820.42359411	3971.414602232222	3745.4368970374818	3662.0580933074818	3661.748973306023	83.6489719604324	83.6497149604324
15	173	12755	-361701.1431	905917.3170250766	39.35611616	-102.078017	374785.0904915984	4360816.51530394	3968.206966261397	3743.31185051264	3663.9352734176138	3663.9352734176138	84.69991163546248	84.69991163546248
16	173	12756	-361041.1431	905917.3170250766	39.35614082407651	-102.075642	374986.2201195128	4360812.00165138	3967.421407245173	3742.41407245173	3664.62474982673	3664.62474982673	85.781010389067	85.781010389067
17	173	12757	-360381.1431	905917.3170250766	39.3561654563224	-102.0733515	375187.3486944318	4360808.06487946	3967.319350424137	3740.905140770207	3668.63584258749	3668.73812543857	72.2993081827196	72.131337316391
18	173	12758	-359721.1431	905917.3170250766	39.35619004791355	-102.0710188	375388.478710915	4360803.975254104	3956.51595532104	3739.3833624274	3690.027821048974	3699.143520739140	70.3555151937495	70.2398351230481
19	173	12759	-359061.1431	905917.3170250766	39.35621458736392	-102.068866	375589.6084242272	4360802.68228241	3953.160528726238	3737.50058081426	3697.3590273500934	3697.3590273500934	70.3555151937495	70.2398351230481
20	173	12760	-358401.1431	905917.3170250766	39.3562390618798	-102.066533	375790.37318575	4360805.74902149	3950.348250637007	3736.32849057899	3664.12799	3664.12799	72.213084140104	72.213084140104
21	173	12761	-357741.1431	905917.3170250766	39.3562633099145	-102.064205	375991.869457164	4360807.636775817	3947.535972547582	3734.10601042794	3660.1458957022446	3660.1458957022446	72.213084140104	72.213084140104
22	173	12762	-357081.1431	905917.3170250766	39.3562769514147	-102.061878	376122.99431122636	4360807.53495244	3946.732494451618	3733.274647019247	3658.9352734176138	3658.9352734176138	73.4024680410568	73.4024680410568
23	173	12763	-356421.1431	905917.3170250766	39.35629105281915	-102.059597	376328.3735566108	4360803.19180927	3945.141921698474	3732.341921698474	3657.811921698474	3657.811921698474	74.6481921698474	74.6481921698474
24	173	12764	-355761.1431	905917.3170250766	39.3563360837664	-102.0571232	376595.205527085	4360809.30455398	3940.09250105476	3730.320332167787	3647.81187	3647.81187	82.5830521156823	82.5830521156823
25	173	12765	-355101.1431	905917.3170										

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEVatKg.f	BREIEVatKg.f	SatHtKilos	SatHtBoths	
107	173	123737	-300981.1413	905917.3170250766	39.5819760540401	-101.8633989	253287.9706787912	4390438.697478477	377.61113930204483	3605.55667014557	3485.4607852657437	3491.680018854587	120.059847448132	113.8776115997015
108	173	123738	-300321.1413	905917.3170250766	39.58218134556549	-101.861066	253489.077030498	4390434.502504255	377.8440881715466	3603.458494214312	3485.19097478402	3496.36437765324	116.29393494589872	107.0940546498782
109	173	123739	-299661.1413	905917.3170250766	39.58239661696654	-101.8584732	253690.1836344745	4390430.672131161	377.8545007144281	3601.3643781921496	3484.2916970311496	3503.261823797245	117.0723496313966	98.1025019174501
110	173	123739	-299001.1413	905917.3170250766	39.58259057701744	-101.8560403	253811.28982018963	4390424.41256846	3768.309472613376	3599.266898420676	3502.890216732786	3504.415072272217	116.37430723081852	94.85163021084031
111	173	123739	-298341.1413	905917.3170250766	39.58279456186723	-101.8540674	254092.39571374897	4390423.71581725	3762.025170360252	3597.165097	3481.4263553796377	3492.9332877975231	115.73874117746209	104.2321678188842
112	173	123739	-297681.1413	905917.3170250766	39.582998	-101.8517345	254293.50136352131	4390412.2104042	3757.225479852347	3595.0613650709734	3479.853962709734	3478.405625357199	115.7062963265532	116.6537971376664
113	173	123739	-297021.1413	905917.3170250766	39.5832014046578	-101.8494017	254494.660750244	4390414.128287356	3752.4252476048164	3592.961207739403	3478.612526413594	3444.7389769716706	114.34359436304629	148.17221300479064
114	173	123739	-296361.1413	905917.3170250766	39.583403624134	-101.847068	254685.711934917	4390410.3743952	3747.625016227099	3590.94958093947	3477.625016227099	3441.3111160116741	117.53879939810713	179.53879939810713
115	173	123739	-295701.1413	905917.3170250766	39.58360577001854	-101.8447359	254866.8185626307	4390405.948670294	3746.8293768121916	3589.743678121916	3476.672115967246	3439.4670636248543	112.07066114465698	209.2761318737526
116	173	123739	-295041.1413	905917.3170250766	39.58380745678836	-101.842403	255097.9215334509	4390407.647190231	3743.382223585814	3586.638118237798	3475.510117089943	3357.4202353052307	111.129094054893	98.2170767884907
117	173	123739	-294381.1413	905917.3170250766	39.5840086930512	-101.8400701	255299.0202720964	4390397.75370429	3741.355435388442	3584.353685570769	3474.241910780562	3346.234753935305	110.2937748550172	238.29821017541008
118	173	123739	-293721.1413	905917.3170250766	39.58420947860616	-101.8377372	255500.130267935	4390393.660425663	3739.2656480802343	3580.40666099216	3473.741482847837	3346.166112651259	109.72918316206461	237.747998796286
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120	173	12400	-292401.1413	905917.3170250766	39.584609789912	-101.8330715	255902.33791346356	4390384.7445938	3728.46816475996	3578.27891591838	3469.124670718655	3346.124670718655	109.51224447318269	210.5791214087554
121	173	12400	-291741.1413	905917.3170250766	39.5848091316206	-101.8307386	256103.44140172092	4390381.387174857	3724.153078975991	3576.208597689802	3477.196406704077	3357.757912065308	109.01018627842472	204.40486805304642
122	173	12402	-291081.1413	905917.3170250766	39.58500811147408	-101.8284057	256304.54463060733	4390377.822009198095	3574.142347238623	3565.183074180025	3396.789277400839	3346.789277400839	108.95837304162078	177.5342011898417
123	173	12402	-290421.1413	905917.3170250766	39.5852066472514	-101.8260728	256505.64781650887	4390373.19702992	3572.610218470056	3572.0812641241414	3463.1336841465077	3421.2739223065323	108.74597797763123	150.87041117837
124	173	12404	-289761.1413	905917.3170250766	39.5854047	-101.8237399	256706.7505635263	4390369.105	3714.553369204232	3570.02482354232	3442.0319135435073	3346.059717683943	107.98134290129107	
125	173	12405	-289101.1413	905917.3170250766	39.5856023604423	-101.821407	256907.85287217848	4390365.01027333	3712.486611994392	3567.955347434326	3459.3400075774744	3450.909234857447	113.0533985685173	117.0461194678137
126	173	12406	-288441.1413	905917.3170250766	39.5857996411216	-101.8190741	257108.9551383577	4390360.921330809	3710.419870667347	3565.87653676847	3457.582491141674	3451.51325212519	116.29404353517293	114.34359436304629
127	173	12407	-287781.1413	905917.3170250766	39.5859962711903	-101.8167412	257310.05716473433	4390356.82984721	3708.008811882323	3563.7689878605	3455.309973856269	3449.430171757872	116.45990602594566	113.8776115997015
128	173	12408	-287121.1413	905917.3170250766	39.5861925500471	-101.8144083	257511.1589504313	4390352.35856602	3705.253414358252	3561.59840891074	3453.19647074077	3448.175941176439	107.7241639695128	114.75846473857291
129	173	12409	-286461.1413	905917.3170250766	39.5863947684921	-101.8120574	257716.4644749288	4390348.159690113	3698.7745271784985	3544.5743271784985	3452.19647074077	3447.280796893925	107.7241639695128	114.75846473857291
130	173	12410	-285801.1413	905917.3170250766	39.5865935757248	-101.8097425	257913.361	4390344.556571024	3698.74205698112	3556.9810590456827	3453.819557114484	3446.1258772055107	105.161403119872	110.8518184017201
131	173	12411	-285141.1413	905917.3170250766	39.5867787	-101.8074096	258114.46287019487	4390340.358710912	3696.830366233364	3554.062200306964	3455.0803773438797	3449.2277349387115	105.161403119872	110.8518184017201
132	173	12412	-284481.1413	905917.3170250766	39.5869731623523	-101.8050767	258315.5639919638	4390336.37381815	3693.788204403857	3552.08189294558	3456.5277569318987	3449.784117034706	105.161403119872	110.8518184017201
133	173	12413	-283821.1413	905917.3170250766	39.5871761788749	-101.8027438	258516.6288584582	4390328.28056002	3690.7347547180038	3549.51547180038	3457.7859866129184	3449.784117034706	105.161403119872	110.8518184017201
134	173	12414	-283161.1413	905917.3170250766	39.587366546252	-101.8004109	258717.76463917558	4390324.19488373	3687.68580564891	3547.070831925008	3457.19647074077	3448.175941176439	107.7241639695128	114.75846473857291
135	173	12415	-282501.1413	905917.3170250766	39.5875568989215	-101.798078	258918.76451729456	4390320.159690113	3684.7745271784985	3544.5743271784985	3452.19647074077	3447.280796893925	107.7241639695128	114.75846473857291
136	173	12416	-281841.1413	905917.3170250766	39.587745424394	-101.7957451	259119.0539024	4390316.039024	3682.706352739958	3542.06838709824	3452.19647074077	3447.280796893925	107.7241639695128	114.75846473857291
137	173	12417	-281181.1413	905917.3170250766	39.58793878188106	-101.7934122	259321.06426076562	4390311.95084896	3680.232552739958	3539.61106837618	3435.47416751001	3435.630204536765	104.1388922191773	103.9580382925016
138	173	12418	-280521.1413	905917.3170250766	39.588113066150204	-101.7910793	259522.1636585496	4390313.83698106	3682.461587179037	3537.147537298315	3431.5482851173665	3431.5482851173665	105.279712835404	105.279712835404
139	173	12419	-279861.1413	905917.3170250766	39.5883218842082	-101.7887464	259723.2628186338	4390307.747	3684.61492464875	3534.6973584820757	3431.13452375086	3430.241480397064	105.279712835404	105.279712835404
140	173	12420	-279201.1413	905917.3170250766	39.5885172529681	-101.7864135	259924.36174112133	4390303.65883167	3675.692955137396	3532.26136056545	3430.48964846454	3430.48964846454	105.279712835404	105.279712835404
141	173	12421	-278541.1413	905917.3170250766	39.5887031777719	-101.7840006	260125.4604258043	4390299.59687895	3686.77086259043	3529.840196784834	3429.293354738915	3429.293354738915	105.279712835404	105.279712835404
142	173	12422	-277881.1413	905917.3170250766	39.5888931269815	-101.7817477	260324.5587476818	4390295.481	3682.7745271784985	3527.434349810578	3427.280796893925	3447.280796893925	107.7241639695128	114.75846473857291
143	173	12423	-277221.1413	905917.3170250766	39.5890826688823	-101.7794148	260527.65708612176	4390291.3906216	3680.705107289044	3525.4057565416	3427.280796893925	3447.280796893925	107.7241639695128	114.75846473857291
144	173	12424	-276561.1413	905917.3170250766	39.58927173849196	-101.7770818	260728.7550600494	4390287.30458392	3710.256837011313	3522.627021049643	3424.0567027746183	3424.0567027746183	105.279712835404	105.279712835404
145	173	12425	-275901.1413	905917.3170250766	39.5894603574971	-101.7747489	260929.8527990423	4390283.217	3714.835625210516	3520.30586377504	3422.31264204209	3425.05864868517	105.279712835404	105.279712835404
146	173	12426	-275241.1413	905917.3170250766	39.5896485258841	-101.772416	261130.9503048926	4390279.12933443	3714.835625210516	3517.993187789605	3420.64363048137	3424.047454240509	105.279712835404	105.279712835404
147	173	12427	-274581.1413	905917.3170250766	39.58983624365244	-101.7700831	261332.0475668902	4390275.402	3719.77411286393	3515.679845734229	3418.63834394949	3418.63834394949	105.279712835404	105.279712835404
148	173	12428	-273921.1413	905917.3170250766	39.5900235106023	-101.767502	261533.1445995616	4390270.95	3715.913970419305	3513.385402749889	3417.03016353408	3417.03016353408	105.279712835404	105.279712835404
149	173	12429	-273261.1413	905917.3170250766	39.59021269815	-101.765043	261740.8464749288	4390266.1039024	3712.486611994392	3511.5482851173665	3415.5482851173665	3415.5482851173665	105.279712835404	105.279712835404
150	173	12430	-272601.1413	905917.3170250766	39.5904039693248	-101.7630483	261935.3705043903	4390262.7804818	3710.93700413905	3509.84904477004	3414.03441198515	3414.03441198515	105.279712835404	105.

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevKgs.f	SurfKgs.f	SurfBoth.f
233	173	12515	-217821.1413	905917.3170250766	39.36042941710611	-101.5694478	278625.5521066814	4359924.259106613	3572.167768703388	3396.226775445074	3300.7862874725056	3303.901578489067	45.6439007200181	92.27249805644303
234	173	12516	-217161.1413	905917.3170250766	39.36044426837498	-101.5671148	278626.62625354	4359920.188870781	3567.470376174043	3395.242159804704	3302.5860248005962	3305.95352214	92.56191708795156	92.56191708795156
235	173	12515	-216561.1413	905917.3170250766	39.36045927495767	-101.5647818	278627.7069204362	4359915.118833311	3563.466168434662	3387.245896957308	3301.238411620223	35.7208911358633	93.010466486384	93.010466486384
236	173	12516	-215841.1413	905917.3170250766	39.36047383571881	-101.5624488	27922.7840004673	4359912.018938347	3560.1418626007043	3393.232437376784	3297.396883224478	3296.685123517255	95.8456351230051	95.8456351230051
237	173	12517	-215181.1413	905917.3170250766	39.36048855179366	-101.5601158	279429.860623948	4359907.97952762	3556.814052701095	3392.199945468374	3296.670418445192	3298.750627226997	95.52652702417952	93.44578017667172
238	173	12518	-214521.1413	905917.3170250766	39.3605032280375	-101.5577828	279630.37508045	4359903.903909323	3551.14802690281927	3391.14802690281927	3296.064599405397	3298.078727714313	93.0697489535235	93.0697489535235
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241	173	12521	-212541.1413	905917.3170250766	39.36054902749576	-101.5507837	280224.16614128114	4359892.702700381	3543.081616843462	3387.869800591746	3297.0240347436747	3297.70842599698	95.8956874907131	95.8956874907131
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SurfHtBothKrg.ft	SurfBothKrg.ft	
359	173	127639	-134661.1413	905917.3170250766	39.36194578447209	-101.2754817	39399.66969429987	4359412.968078823	331.6468314414924	3212.0867402312438	3161.7714237840955	3163.9375219863484	59.315316447148234	57.1242184897384
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370	173	127650	-127401.1413	905917.3170250766	39.3620442795542	-101.2498174	306171.227518194	4359368.48043545	333.62806363461	3199.171976696330	3138.348750188995	3146.6624533675963	57.726500431125	52.5065233
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389	173	127669	-114861.1413	905917.3170250766	39.3622017684876	-101.2054881	309991.137109437	4359293.8343456	329.951801694241	3148.112300566344	3097.329703300455	3098.3104145322516	59.9960974001117	53.0996074001117
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391	173	127671	-113541.1413	905917.3170250766	39.362216964568624	-101.2008219	310393.22891236783	4359283.61730463	328.427096345725	3142.25304947266	3092.314524480248	3092.694505120047	59.9960974001117	53.0996074001117
392	173	127672	-112881.1413	905917.3170250766	39.36222469532651	-101.1984887	310594.275	4359279.75272012	328.329254780233	3139.32570936611	3089.648021085072	3089.648021085072	59.9960974001117	53.0996074001117
393	173	127673	-112221.1413	905917.3170250766	39.362232810163115	-101.1961556	310795.919702419	4359273.357910582	328.364771422078	3136.402737292484	3087.208435929246	3086.985952884145	59.9960974001117	53.0996074001117
394	173	127674	-111561.1413	905917.3170250766	39.36224027163815	-101.193825	310996.362243264	4359271.494961595	328.329254780233	3134.821347400354	3084.89646430579	3084.89646430579	59.9960974001117	53.0996074001117
395	173	127675	-110901.1413	905917.3170250766	39.36224872	-101.1914984	311197.0102910045	4359267.461	328.329254780233	3130.566239482258	3080.136949285768	3080.136949285768	59.9960974001117	53.0996074001117
396	173	127676	-110241.1413	905917.3170250766	39.36225517	-101.1891562	311398.4551278552	4359263.423	328.0640487637003	3127.656180434364	3077.602157436677	3076.943716218247	59.9960974001117	53.0996074001117
397	173	127677	-109581.1413	905917.3170250766	39.36226367309486	-101.1868231	311599.494969368	4359259.34634882	327.55994294713836	3124.75405837355	3074.565249682656	3073.864781558564	59.9960974001117	53.0996074001117
398	173	127678	-108921.1413	905917.3170250766	39.3622701334423	-101.18449	311800.5443826248	4359255.34680427	327.05572068397	3121.8656272687763	3070.871861749307	3070.871861749307	59.9960974001117	53.0996074001117
399	173	127679	-108261.1413	905917.3170250766	39.362277754872543	-101.1821568	312001.5887109543	4359251.309178941	326.953050531518	3118.9690361	3067.0250213834194	3066.3281159049715	59.9960974001117	53.0996074001117
400	173	127680	-107601.1413	905917.3170250766	39.36228492	-101.1798372	312202.632851851	4359247.27	326.6910201735577	3116.12976154173	3064.18394763522	3064.18394763522	59.9960974001117	53.0996074001117
401	173	127681	-106941.1413	905917.3170250766	39.36229244403368	-101.1775154	312403.674400354	4359243.18161016	326.4281347400354	3114.821347400354	3062.49646430579	3062.49646430579	59.9960974001117	53.0996074001117
402	173	127682	-106281.1413	905917.3170250766	39.36229952416012	-101.1751574	312604.702591786	4359239.19472236	326.061191420727	3110.43560045504545	3054.259444442816	3054.259444442816	59.9960974001117	53.0996074001117
403	173	127683	-105621.1413	905917.3170250766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
475	172765	-51501.14133	905917.3170250766	93.36274666165534	-00.96815061	329290.7341925808	4358904.8090919413	31.6332195945315	2979.133605784607	2979.133605784607	2871.376088417855	2871.283684577897	107.7573736675188	107.84927700267223
486	173	-50841.14133	905917.3170250766	93.3627501559637	-00.9797173	329491.76327171394	4358900.784845315	31.26875905716865	2979.133605784607	2979.133605784607	2866.767323002484	2866.767323002484	111.5013452674214	111.5013452674214
487	172767	-46221.14133	905917.3170250766	93.36273365302725	-00.9682068	329692.762761468	4358892.635661468	31.7192824718513	2979.133605784607	2979.133605784607	2862.762031235617	2862.762031235617	114.080289642296	114.080289642296
488	172768	-45211.14133	905917.3170250766	93.362757009373446	-00.9745077	329893.8200328308	4358892.408335866	31.294920867134	2979.133605784607	2979.133605784607	2860.849627332109	2860.849627332109	115.0914713966557	115.0914713966557
489	172769	-48681.14133	905917.3170250766	93.362760368474675	-00.9727135	330004.8465143043	4358888.720814047	31.23108374055138	2979.133605784607	2979.133605784607	2860.747119616376	2860.747119616376	114.792525069611024	114.792525069611024
490	172770	-44201.14133	905917.3170250766	93.36276368474675	-00.9694043	330295.8773014944	4358884.786313565	31.23136741961317	2979.133605784607	2979.133605784607	2859.52320815458	2859.52320815458	114.354780160303	114.354780160303
491	172771	-47541.14133	905917.3170250766	93.362766951469936	-00.9675072	330496.9601805711	4358880.688010571	31.2028372656515	2979.133605784607	2979.133605784607	2858.1864158420124	2858.1864158420124	114.825842036605	114.825842036605
492	172772	-46881.14133	905917.3170250766	93.36277017536397	-00.965174	330697.9346574742	4358876.669471724	31.1977146337172	2979.133605784607	2979.133605784607	2857.915829134259	2857.915829134259	115.8160146599575	115.8160146599575
493	172773	-46221.14133	905917.3170250766	93.36277354118887	-00.9626846	330898.9625618972	4358872.650321213	31.182824718513	2979.133605784607	2979.133605784607	2857.682015454837	2857.682015454837	115.869373451437	115.869373451437
494	172774	-45561.14133	905917.3170250766	93.3627768794469	-00.9605077	331099.9694134145	4358868.63136984	31.1756711558375	2979.133605784607	2979.133605784607	2857.459651142396	2857.459651142396	123.37335305014	123.37335305014
495	172775	-44901.14133	905917.3170250766	93.36277957631425	-00.9581745	331301.0175321167	4358864.612608765	31.154974726223	2979.133605784607	2979.133605784607	2857.230677765737	2857.230677765737	123.6982565876013	123.6982565876013
496	172776	-44241.14133	905917.3170250766	93.36278262024091	-00.9558414	331502.044584966	4358860.59404608	31.12120376	2979.133605784607	2979.133605784607	2857.099232542079	2857.099232542079	128.3112065296936	128.3112065296936
497	172777	-43581.14133	905917.3170250766	93.36278561879752	-00.9535082	331703.0722068124	4358856.57681022	31.0829232366656	2979.133605784607	2979.133605784607	2856.975369427739	2856.975369427739	124.805643961248	124.805643961248
498	172778	-42921.14133	905917.3170250766	93.3627891272766	-00.9511175	331904.0993188726	4358852.55111392	31.0563617153873	2979.133605784607	2979.133605784607	2856.845213354242	2856.845213354242	120.2971837228356	120.2971837228356
499	172779	-42261.14133	905917.3170250766	93.36279146086717	-00.9488419	332105.1262532917	4358848.539537918	31.04465851027	2979.133605784607	2979.133605784607	2856.703284849507	2856.703284849507	117.6843278467099	117.6843278467099
500	172780	-41601.14133	905917.3170250766	93.362794340020224	-00.9465087	332306.1530241296	4358844.521760586	31.0283265507619	2979.133605784607	2979.133605784607	2856.57164646489	2856.57164646489	115.6025172430196	115.6025172430196
501	172781	-40941.14133	905917.3170250766	93.36279716230021	-00.9441755	332507.1796315925	4358840.504	31.009125865496107	2979.133605784607	2979.133605784607	2856.440844761018	2856.440844761018	113.7640427454542	113.7640427454542
502	172782	-40281.14133	905917.3170250766	93.36279990350439	-00.9418424	332708.206715781997	4358836.48673221	31.006152548454	2979.133605784607	2979.133605784607	2856.31378205213	2856.31378205213	112.92102532373617	112.92102532373617
503	172783	-39621.14133	905917.3170250766	93.3628026636380	-00.9395092	332909.232451546	4358832.469603369	31.0037951440996	2979.133605784607	2979.133605784607	2856.22383509109	2856.22383509109	110.9576811593083	110.9576811593083
504	172784	-38961.14133	905917.3170250766	93.36280536720565	-00.937176	333110.2585757319	4358828.450261026	31.0005973365471	2979.133605784607	2979.133605784607	2856.1460880291672	2856.1460880291672	110.4568069676471	110.4568069676471
505	172785	-38301.14133	905917.3170250766	93.36280798	-00.9348429	333311.2845	4358824.435817395	31.01874281244025	2979.133605784607	2979.133605784607	2856.062270307642	2856.062270307642	110.43157020305714	110.43157020305714
506	172786	-37641.14133	905917.3170250766	93.3628105762408	-00.9325097	333512.31025347	4358820.419211316	31.049732917214025	2979.133605784607	2979.133605784607	2856.019839770738	2856.019839770738	110.2548396634351	110.2548396634351
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509	172789	-35661.14133	905917.3170250766	93.36281808567605	-00.9255102	334115.3873444535	4358808.37086766	31.0830733644422	2979.133605784607	2979.133605784607	2856.046924176578	2856.046924176578	110.2416316505028	110.2416316505028
510	172790	-35001.14133	905917.3170250766	93.3628205	-00.9231771	334316.4119	4358804.354771307	31.076394157866494	2979.133605784607	2979.133605784607	2856.03350402091	2856.03350402091	110.23267688187494	110.23267688187494
511	172791	-34341.14133	905917.3170250766	93.3628228621739	-00.9208439	334517.4386858113	4358800.339150907	31.074249436477	2979.133605784607	2979.133605784607	2856.053800153796	2856.053800153796	110.108454603461	110.108454603461
512	172792	-33681.14133	905917.3170250766	93.3628251887284	-00.9181807	334718.4616897174	4358796.3277295	31.07119799	2979.133605784607	2979.133605784607	2856.062270307642	2856.062270307642	110.073822793209	110.073822793209
513	172793	-33021.14133	905917.3170250766	93.362827746617039	-00.9159176	334919.4863271343	4358792.30684987	31.0781964273781	2979.133605784607	2979.133605784607	2856.082748524817	2856.082748524817	110.2416316505028	110.2416316505028
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515	172795	-31701.14133	905917.3170250766	93.36283185846596	-00.9115112	335321.353196796	4358784.27830101	31.07085630102	2979.133605784607	2979.133605784607	2856.158189	2856.158189	110.2006701222202	110.2006701222202
516	172796	-31041.14133	905917.3170250766	93.362834020808004	-00.9091781	335522.5593782845	4358780.36293993	31.0713260534284	2979.133605784607	2979.133605784607	2856.2123784164726	2856.2123784164726	110.8654639924801	110.8654639924801
517	172797	-30381.14133	905917.3170250766	93.36283612524598	-00.9068449	335723.5833996915	4358776.24954572	31.0803366746554	2979.133605784607	2979.133605784607	2856.202788052983	2856.202788052983	111.5427220379288	111.5427220379288
518	172798	-29721.14133	905917.3170250766	93.36283817734183	-00.9045117	335924.60712610967	4358772.3259753	31.0841666544078	2979.133605784607	2979.133605784607	2856.249207	2856.249207	116.25424282393079	116.25424282393079
519	172799	-29061.14133	905917.3170250766	93.362840184368046	-00.9021786	336128.53609630496	4358768.21245349	31.08821359092496	2979.133605784607	2979.133605784607	2856.281030871813	2856.281030871813	113.6953663634551	113.6953663634551
520	172800	-28401.14133	905917.3170250766	93.36284214632986	-00.900412	336329.5545041316	4358764.20739122	31.09249278175245	2979.133605784607	2979.133605784607	2856.3026715485482	2856.3026715485482	110.75257626897925	110.75257626897925
521	172801	-27741.14133	905917.3170250766	93.36284406	-00.8975122	336527.6778858074	4358762.97572862	31.094504402841	2979.133605784607	2979.133605784607	2856.304716710291	2856.304716710291	110.823621919273	110.823621919273
522	172802	-27081.14133	905917.3170250766	93.36284593503302	-00.8951791	336728.7011152381	4358762.18062556	31.09685614892793	2979.133605784607	2979.133605784607	2856.34080456027	2856.34080456027	110.857010685479907	110.857010685479907
523	172803	-26421.14133	905917.3170250766	93.362847761782746	-00.8928459	336929.7241770873	4358762.166969203	31.0984433650161	2979.133605784607	2979.133605784607	2856.380728570204	2856.380728570204	108.8922018863261	108.8922018863261
524	172804	-25761.14133	905917.3170250766	93.36284954366324	-00.8905127	337130.7470842243	4358764.15392373	31.10329511587	2979.133605784607	2979.133605784607	2856.430624137878	2856.430624137878	110.6328737370946	110.6328737370946
525	172805	-25101.14133	905917.3170250766	93.362851280074466	-00.8881796	337331.7698329193	4358744.11047312	31.08733487059038	2979.133605784607	2979.133605784607	2856.4496149098197	2856.4496149098197	110.5423226604532	110.5423226604532
526	172806	-24441.14133	905917.3170250766	93.36285297161647	-00.8858484	337532.7942211419	4358740.128	31.0870053841132	2979.133605784607	2979.133605784607	2856.45256265053	2856.45256265053	109.7730272	

ix	iy	x	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WtLs	BREIEvLogskg.f	BREIEvLogskg.f	SurfBotk.f	SurfTBotk.f
611	173	127991	31685.8586730335	905917.3170250766	39.36283202443911	-00.687527	545419.1561154253	458399.765716205	2705.643972736921	2705.643972736921	2705.226846219239	51.3073660653611	51.3073667421817
612	173	127992	32318.8586730335	905917.3170250766	39.36282964002292	-00.685139	545420.1665655031	458396.799631169	2705.700976260462	2705.700976260462	2695.806326467767	51.4027490524848	51.4027490524848
613	173	127993	32983.8586730335	905917.3170250766	39.36281328719572	-00.686967	545421.1754712767	458391.734185317	2705.816913265967	2705.816913265967	2699.845616126573	51.52520736894055	51.52520736894055
614	173	127994	33638.8586730335	905917.3170250766	39.3628235398302	-00.680526	545422.184839779	458397.7987739	2707.608254004517	2707.608254004517	2699.33876	51.5957303400904	51.5957303400904
615	173	127995	34298.8586730335	905917.3170250766	39.3628203163952	-00.678194	545423.1942663304	458383.784353101	2703.40210007	2703.40210007	2700.994482148701	51.4820251195133	51.4820251195133
616	173	127996	34958.8586730335	905917.3170250766	39.3628206516629	-00.6758612	545424.203450875	458379.785237195	2704.227670628670	2704.227670628670	2694.827041417317	51.40029211298565	51.40029211298565
617	173	127997	35618.8586730335	905917.3170250766	39.36281824190415	-00.6735281	545425.212502545	458375.79454824	2703.7285876602235	2703.7285876602235	2700.874019865134	51.26184284173505	51.26184284173505
618	173	127998	36281.8586730335	905917.3170250766	39.3628176077281	-00.6711949	545426.22141104737	458371.78773376	2703.087635	2703.087635	2700.700320025675	51.13734966178299	51.13734966178299
619	173	127999	36938.8586730335	905917.3170250766	39.36281705195757	-00.6688617	545427.230186688	458367.804726396	2702.716581958677	2702.716581958677	2698.198163078873	51.04800738163546	51.04800738163546
620	173	127990	37599.8586730335	905917.3170250766	39.36281074222626	-00.666528	545428.2389	458363.809574525	2702.62903790323	2702.62903790323	2699.667721722167	52.1414710557325	52.1414710557325
621	173	127991	38259.8586730335	905917.3170250766	39.362815216379	-00.6641954	545429.24303229	458359.815867767	2702.5616507045	2702.5616507045	2698.39645217855	52.00423790368041	52.00423790368041
622	173	127992	38919.8586730335	905917.3170250766	39.3628051705576	-00.661822	545430.255656523	458355.821956102	2702.416638528657	2702.416638528657	2697.32326918954	51.17183622707748	51.17183622707748
623	173	127993	39579.8586730335	905917.3170250766	39.3628023867859	-00.6599291	545431.2638715525	458351.828239575	2702.399501126047	2702.399501126047	2697.453646387074	50.75020838140334	50.75020838140334
624	173	127994	40239.8586730335	905917.3170250766	39.3628001163227	-00.6571959	545432.271948396	458347.843718032	2702.37655546508	2702.37655546508	2697.49875150377	50.46735682	50.46735682
625	173	127995	40899.8586730335	905917.3170250766	39.36277934131679	-00.6548487	545433.2798972905	458343.841391608	2702.383162274201	2702.383162274201	2697.68402355348	50.7694969846047	50.7694969846047
626	173	127996	41559.8586730335	905917.3170250766	39.36277405253218	-00.6525296	545434.287688467	458339.848026041	2702.39178799654	2702.39178799654	2697.263748925458	50.47305232146345	50.47305232146345
627	173	127997	42219.8586730335	905917.3170250766	39.3627719654784	-00.6501964	545435.2953210464	458335.855323937	2702.3723387	2702.3723387	2698.118358634195	50.684298580472	50.684298580472
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631	173	127911	44859.8586730335	905917.3170250766	39.3627797292906	-00.6408368	545439.3840337033	458319.885527082	2702.133970852967	2702.133970852967	2696.87047698638	50.686206241452542	50.686206241452542
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634	173	127914	46839.8586730335	905917.3170250766	39.3627703035167	-00.6338643	545442.345263587	458307.91028554	2702.731758514233	2702.731758514233	2697.1036397148	51.454554050270046	51.454554050270046
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636	173	127916	48159.8586730335	905917.3170250766	39.3627638328275	-00.6291979	545444.3582697225	458299.936681979	2702.74605726334	2702.74605726334	2697.5008345483925	50.76793588717065	50.76793588717065
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645	173	127925	54099.8586730335	905917.3170250766	39.36273247490308	-00.6081958	545453.416345301	458264.0158125048	2700.2896234150048	2700.2896234150048	2693.474223981783	50.4473301365918	50.4473301365918
646	173	127926	54759.8586730335	905917.3170250766	39.3627287374915	-00.6058461	545454.420340568	458260.92501398	2700.29848140845	2700.29848140845	2697.319947302717	50.84270427651834	50.84270427651834
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650	173	127930	57399.8586730335	905917.3170250766	39.3627134597172	-00.5965337	545458.432288634	458244.07160132	2698.2801528	2698.2801528	2696.401509738364	50.62326870190655	50.62326870190655
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655	173	127935	60699.8586730335	905917.3170250766	39.3626932742578	-00.5848679	545463.455028617	458224.132621331	2696.5552687164	2696.5552687164	2697.324719601713	50.6085347907655	50.6085347907655
656	173	127936	61359.8586730335	905917.3170250766	39.36268910726971	-00.5825347	545464.4587934056	458220.14477631	2696.68342277431	2696.68342277431	2697.1249155279525	50.6448065929324	50.6448065929324
657	173	127937	62019.8586730335	905917.3170250766	39.3626848474472	-00.5802016	545465.46246474	458216.15788821	2696.342751323213	2696.342751323213	2696.26900938433552	50.443130130198	50.443130130198
658	173	127938	62679.8586730335	905917.3170250766	39.362680637150795								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	3rdMathElevsKrg.ft	Sat3rdBothKrg.ft
73	173	128017	114818.85867307335	905917.3170250766	39.36220187	-100.393502	379945.457573152	4375897.821099572	2623.959723570898	250.588169392498	2507.279714034507	2507.516796690847	33.084553579918	73.07137242341332
738	173	128018	114788.85867307335	905917.3170250766	39.362194007167396	-100.391217	380146.3394244489	4375893.84977845	2617.654942112844	257.400738525298	2504.890173655033	2504.906617566033	74.5026264	74.43984910229398
739	173	128019	114758.85867307335	905917.3170250766	39.362186902924274	-100.388839	380347.3329871013	4375890.878811968	2615.810819354523	2573.121880948481	2503.086995787693	2503.09696191707	75.1228140819005	75.1184739301005
740	173	128020	114728.85867307335	905917.3170250766	39.36217844581405	-100.385578	380548.3360432078	4375785.907659228	2617.527343853217	2579.02735609633	2497.6161991259887	2497.62043782751043	79.4060652255949	79.4060652255949
1	174	128021	-370941.1413	906577.3170250766	39.35757858387094	-102.1107077	231973.36877665274	4381075.24128332	3997.4624852509154	3763.245621106805	3697.159246313886	3697.42681645251	66.08637479291929	65.61795269155418
2	174	128022	-370281.1413	906577.3170250766	39.35763808984465	-102.1083749	231734.5020271828	4381071.12435292	3996.955259428824	3761.824827890498	3699.048163219368	3699.05726634416	62.3175152602571	62.3175152602571
3	174	128023	-369621.1413	906577.3170250766	39.35762915076144	-102.1060422	232375.6337215162	4381067.080	3996.320981422935	3760.384565464508	3702.2626118494654	3702.2626118494654	57.13584271507534	57.13584271507534
4	174	128024	-368961.1413	906577.3170250766	39.3576343662121	-102.103794	232576.7682176743	4381062.0815794585	3992.558677414293	3760.9663901278750	3700.454737396443	3700.9005195657607	68.50891616341232	67.93787057021474
5	174	128025	-368301.1413	906577.3170250766	39.35767957423283	-102.1013768	232797.9008059640	4381059.17496644	3988.7963375514743	3757.538537	3698.025237308959	3698.2544355102887	62.5048657989088	62.5048657989088
6	174	128026	-367641.1413	906577.3170250766	39.357704963165654	-102.0990438	232973.937275212508	4381054.65981393	3987.0340097380657	3756.084292585396	3689.852610064767	3689.9248290582166	62.2168722	62.2168722
7	174	128027	-366981.1413	906577.3170250766	39.35772974358504	-102.0967111	233180.1653796457	4381050.5343311955	3984.8816417511803	3754.632368324252	3685.455294245825	3685.455294245825	69.17525873684	69.15608490410024
8	174	128028	-366321.1413	906577.3170250766	39.35775479489326	-102.0943783	233381.2927194543	4381046.42848546	3983.33098614491	3753.1741172595016	3680.954748	3681.032331558123	72.21936926351145	72.1418110368928
9	174	128029	-365661.1413	906577.3170250766	39.35777977006338	-102.0920455	233582.4287946475	4381042.3116359835	3981.796534774802	3751.707380348885	3675.9131853427134	3675.958122085883	75.7495838802688	75.7495838802688
10	174	128030	-365001.1413	906577.3170250766	39.3578041558015	-102.0897127	233783.5601060277	4381038.19808336	3980.253965411126	3750.233704698277	3670.350970214342	3670.355157325985	79.9277345	79.8781671592916
11	174	128031	-364341.1413	906577.3170250766	39.35782961659574	-102.087379	233984.6911520552	4381034.038	3978.339163484847	3748.7519974826936	3664.4272867995705	3664.324148052385	84.3246989312308	84.42794934865771
12	174	128032	-363681.1413	906577.3170250766	39.35785447144163	-102.0850471	234185.0175385825	4381029.96831982	3976.0520424768974	3747.262384323406	3662.522933734394	3662.522933734394	88.7390054909115	88.0854762023735
13	174	128033	-363021.1413	906577.3170250766	39.35787928178626	-102.0827143	234386.954563071	4381025.85403678	3973.7494312796602	3746.76485648745	3653.443904857335	3652.8472519142874	93.3220961300964	92.9182337450436
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15	174	128035	-361701.1413	906577.3170250766	39.35792876730305	-102.0780488	234789.2170598682	4381017.625670783	3968.525676759524	3742.736648082936	3655.612018164286	3655.3244709115428	97.145692200768	97.42918471475084
16	174	128036	-361041.1413	906577.3170250766	39.357953424730015	-102.075716	234990.3424362296	4381013.51178276	3966.947760578197	3741.2374941599346	3658.880046094056	3658.8250743550294	82.4124202	82.4124202
17	174	128037	-360381.1413	906577.3170250766	39.35797807	-102.0733832	235191.4710380633	4381009.38109757	3961.2900944605445	3739.75101189981	3660.95997179611	3661.02646515708	78.7640055103728	78.6885667427308
18	174	128038	-359721.1413	906577.3170250766	39.35802657646274	-102.0710504	235392.6011090405	4381005.294623218	3957.47240623393	3738.18741504998	3661.415140047125	3661.415140047125	76.719013108182	76.719013108182
19	174	128039	-359061.1413	906577.3170250766	39.35807381747434	-102.06871	235600.242233175	4381001.358087245	3954.82719325058924	3737.07997698924	3660.227211846546	3660.227211846546	82.7374073201007	82.7374073201007
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21	174	128041	-357741.1413	906577.3170250766	39.35807614270104	-102.064052	235985.9871498976	4380992.945374155	3948.880645535296	3734.61508418851	3653.455239802231	3653.455239802231	79.7496003	80.1344269344001
22	174	128042	-357081.1413	906577.3170250766	39.35810054729575	-102.0617192	236197.1153066932	4380988.83292733	3947.495021938714	3732.05068654795	3650.020290335026	3649.875276995155	82.0393159212905	82.1843281552769
23	174	128043	-356421.1413	906577.3170250766	39.35812490763484	-102.0593863	236398.243018604	4380983.72009994	3945.535633607315	3730.530739	3647.025076703717	3646.40743428671	84.059965269984	84.059965269984
24	174	128044	-355761.1413	906577.3170250766	39.3581492717329	-102.057035	236599.3706356975	4380980.67071985	3942.951664384116	3729.00397484354	3643.917371482334	3643.40915689674	85.9337721274206	85.9337721274206
25	174	128045	-355101.1413	906577.3170250766	39.35817381974738	-102.0547207	236800.4962084076	4380976.4554338	3940.718765484847	3727.477997689824	3642.0771845694	3642.0771845694	87.783786502	87.783786502
26	174	128046	-354441.1413	906577.3170250766	39.35819771601387	-102.0523781	237001.425	4380972.38391398	3938.4786403231373	3726.0177071070151	3637.10177074829	3635.819352684324	88.855102	88.855102
27	174	128047	-353781.1413	906577.3170250766	39.35822189554564	-102.0500551	237202.7521712625	4380972.722738315	3936.457835120763	3724.4411279574524	3633.493290621464	3632.66654130433	90.9478373598842	91.7744583270134
28	174	128048	-353121.1413	906577.3170250766	39.3582460303212	-102.0477223	237403.8786184413	4380964.16795277	3936.572928047767	3722.931822797308	3630.03909739064	3629.818822632178	93.6105839834721	93.6105839834721
29	174	128049	-352461.1413	906577.3170250766	39.358270119451504	-102.0453895	237605.00590211014	4380960.049512708	3936.040488728564	3721.4297236517477	3627.0310107755977	3627.0404263903976	94.398712876150064	94.0256996866816
30	174	128050	-351801.1413	906577.3170250766	39.35829416381267	-102.0430567	237806.13116227934	4380955.938428781	3935.5076095182462	3719.9351024797843	3624.175813174688	3625.4078482291693	95.5274525061494	94.5274525061494
31	174	128051	-351141.1413	906577.3170250766	39.35831816312742	-102.0407238	238007.2507253598	4380951.428	3932.5404594267634	3718.4474061	3621.68781382529	3621.68781382529	96.7939271138125	96.7939271138125
32	174	128052	-350481.1413	906577.3170250766	39.35834211772025	-102.038431	238208.382323175	4380947.171858111	3930.123922500496	3716.95397698924	3620.227211846546	3620.227211846546	97.938509719158	97.938509719158
33	174	128053	-349821.1413	906577.3170250766	39.35836605255826	-102.0360582	238409.5079142835	4380943.606376171	3927.378550085064	3715.48740373664	3618.94783033363	3617.966381050322	99.529286764059	99.529286764059
34	174	128054	-349161.1413	906577.3170250766	39.3583910096804	-102.0337254	238610.6324067407	4380939.496024009	3916.33651517699	3714.017492797518	3617.368747533963	3618.80547478622	96.45245358856	95.2120191134964
35	174	128055	-348501.1413	906577.3170250766	39.35841377	-102.0313925	238811.75717884187	4380935.380004899	3911.221033751679	3712.556502390923	3616.35466613297	3617.70930309416	96.2018411	100.847214746662
36	174	128056	-347841.1413	906577.3170250766	39.358437483766274	-102.0290597	239012.8822327456	4380931.26124456	3909.591500862586	3711.049152036338	3615.141703675036	3614.2904814631534	95.9632115289991	106.8051374048239
37	174	128057	-347181.1413	906577.3170250766	39.35846121718955	-102.0267269	239214.0648799157	4380927.16644023	3907.596197732663	3709.661335547336	3614.118678245315	3612.9004660939162	98.78928392808	107.5666754156926
38	174	128058	-346521.1413	906577.3170250766	39.3584856861232	-102.024384	239415.1304847845	4380923.05695914	3906.73245038596	3708.24611041218	3613.1209202	3613.0037168611958	95.01540875811816	104.42285417696833
39	174	128059	-345861.1413	906577.3170250766	39.35850925474734	-102.022091	239616.254233175	4380918.1671406	3905.290652898016	3706.946245981398	3611.9407458281405	3611.9407458281405	96.7939271138125	96.7939271138125
40	174	128060	-345201.1413	906577.3170250766	39.35853212922328	-102.019724	239817.3707738387	4380914.839	3903.748530470026	3705.367490002432	3611.487814324876	3612.966381050322	97.938509719158	96.9680240269322
41	174	128061	-344541.1413	906577.3170250766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLog.ft	SatHtBoth.ft
123	12143	-290421.1413	90657.3170250766	39.36033333388484	-01.82696983	256509.7476092305	4305074.480486171	3715.168262755851	37.1678799412836	3463.7348319249118	3403.7979941882386	347.93496208792432	167.88079982549575	
124	12144	-289761.1413	90657.3170250766	39.36033314258064	-01.8237854	256710.85009509946	4305070.38612647	3712.88105	3699.592256	3451.578255021895	3437.374504819757	108.0144239300474	146.21777515239298	
125	12145	-289101.1413	90657.3170250766	39.36033329621432	-01.82144724	256911.82698230896	4305066.286038264	3710.853481131673	3695.49512308311245	3449.625876127351	3442.3652587151249	107.4694949105824	125.788269685904	
126	12146	-288441.1413	90657.3170250766	39.36036028475784	-01.8190905	2570.0510454653851	4305062.204113311	3707.08808913829	3657.79009051344	3571.627828933737	3445.0941802586904	107.44423930461069	120.2837207	
127	12147	-287781.1413	90657.3170250766	39.360412288294875	-01.8167665	257314.156272428333	4305058.112368748	3704.829077	3652.22635255652	3456.059952117817	3446.40009807136	107.1664031387331	116.8254365484828	
128	12148	-287121.1413	90657.3170250766	39.36043192674174	-01.8144336	2575.251025323104	4305046.028606716	3705.55095309714	3561.02249032341	3454.6895343892825	3447.422713703995	107.329565141687	113.5997195376166	
129	12149	-286461.1413	90657.3170250766	39.360451510126254	-01.8121006	2577.167359190434	4305049.92933478	3698.2827304794174	3558.75038087415	3453.898389101716	3447.001229901867	104.8519189856983	111.7490781855181	
130	12150	-285801.1413	90657.3170250766	39.3604710484841	-01.8097767	2579.14602909949	4305045.83405286	3695.00956242181	3556.40638714153	3453.91609555449	3446.02190507487	102.49028715870418	110.3489970470437	
131	12151	-285141.1413	90657.3170250766	39.36049651470814	-01.8074347	2581.16362982986	4305041.747470288	3692.0537075285746	3554.002263046514	3454.178196269974	3447.1825876172351	99.8241968597043	92.7667734131134	
132	12152	-284481.1413	90657.3170250766	39.36050596995044	-01.8051077	2583.191671786819	4305037.65674843	3689.4151675123194	3551.55668029458	3454.42411500373	3450.180152723149	97.13226489734	91.3755282140929	
133	12153	-283821.1413	90657.3170250766	39.360529393040224	-01.8027688	2585.02167149819	4305033.565218587	3686.776627893387	3549.08721362791	3454.102521717224	3452.4050588784428	94.649959103862	96.3686248734808	
134	12154	-283161.1413	90657.3170250766	39.36054871112252	-01.8004358	2587.21862294458	4305029.475884411	3684.1380873848	3546.60715203223	3451.7773922174027	3452.7415170677005	94.8297600481956	94.2924372462241	
135	12155	-282501.1413	90657.3170250766	39.36056804122226	-01.7981029	2589.2219637194816	4305025.38575129	3679.59133968227	3544.12542328525	3446.69022875749	3449.295779188591	94.832004409937592	94.2924372462241	
136	12156	-281841.1413	90657.3170250766	39.3605873206935	-01.7957699	2591.2410612622378	4305021.296	3672.1356521462214	3541.647927	3442.150962859894	3445.995371362235	94.652559391673	95.652559391673	
137	12157	-281181.1413	90657.3170250766	39.3606065495386	-01.7934389	2593.251612895552	4305017.206805047	3668.68172462216	3539.785556452085	3447.2659381038807	3449.91261795032779	96.3017468701837	96.3017468701837	
138	12158	-280521.1413	90657.3170250766	39.36062573277567	-01.791104	2595.26260478935	4305013.1165027	3660.226877002106	3536.718914890032	3433.751963385543	3436.008025927023	102.960495025094	101.710890710402	
139	12159	-279861.1413	90657.3170250766	39.36064485534795	-01.788771	2597.273594133882	4305009.0272154506	3661.9418092746985	3534.04094652698	3432.040289823137	3432.80787894617	102.2298048237237	101.541158322443	
140	12160	-279201.1413	90657.3170250766	39.3606635323117	-01.786438	2599.2845146119955	4305004.938070033	3661.826491	3531.833397741348	3430.599702366875	3428.434390343545	101.2336933444057	103.398443009356	
141	12161	-278541.1413	90657.3170250766	39.36068298564764	-01.7841051	2601.295566247958	4305001.48410584	3661.7117223661	3529.409775304344	3429.310973235868	3425.396901925816	100.09880161674573	104.0118154775271	
142	12162	-277881.1413	90657.3170250766	39.36070190343556	-01.7817721	2603.304563683684	4304996.76042283	3659.159853495643	3527.00033045271	3427.859521960418	3428.198933147053	99.1400849233278	98.8013973056972	
143	12163	-277221.1413	90657.3170250766	39.3607294934846	-01.7794391	2605.317528670234	4304992.81983308	3659.741581691415	3524.604264731736	3426.3304071367	3427.912710298292	98.27801934958052	94.8912155343704	
144	12164	-276561.1413	90657.3170250766	39.36073985335364	-01.7771061	2607.324805633976	4304988.15633004	3658.74658259746	3522.243635418275	3424.76291171387	3428.933308040643	97.4502311546608	93.3008670376235	
145	12165	-275901.1413	90657.3170250766	39.36075029317091	-01.7744734	2609.348162932516	4304984.19363783	3657.7824364194465	3520.093434144465	3422.923899447614	3427.121343959547	95.54827459546	91.6720797485914	
146	12166	-275241.1413	90657.3170250766	39.36077533089795	-01.7724002	2611.3510455787844	4304980.47041111	3718.961970590567	3517.540892843625	3421.774069759333	3424.783250623653	95.76661952005495	92.7573121199628	
147	12167	-274581.1413	90657.3170250766	39.360796305345564	-01.7701072	2613.3614251575913	4304976.3196972591	3720.515460791167	3515.220074732392	3420.387700360905	3422.34778012676	94.8227708114246	92.87219287	
148	12168	-273921.1413	90657.3170250766	39.36081503253909	-01.7677742	2615.37239337809	4304972.23153459	3717.216674504382	3512.915982	3418.9286832713506	3418.626553889515	93.9689891784932	94.2891279002483	
149	12169	-273261.1413	90657.3170250766	39.36083371466917	-01.7654413	2617.38339242109	4304968.144808875	3713.917594390825	3510.467204639987	3417.5201519350426	3415.62703112898914	93.068807758056	95.9697313541703	
150	12170	-272601.1413	90657.3170250766	39.36085231761364	-01.7631083	2619.4162829732305	4304964.07663361	3710.6185142937234	3508.35434547118	3415.603269051577	3415.603269051577	93.34132343816	95.9697313541703	
151	12171	-271941.1413	90657.3170250766	39.36087094373961	-01.7607768	2621.405939119568	4304960.19363783	3707.241138790466	3505.100616537758	3412.56988176874814	3415.603269051577	93.34132343816	95.9697313541703	
152	12172	-271281.1413	90657.3170250766	39.36088944961526	-01.7584423	2623.4142271871294	4304956.38369185	3703.786178925134	3502.785128414234	3410.716591028927	3409.2677980227	96.69257410827	96.69257410827	
153	12173	-270621.1413	90657.3170250766	39.3609079625808	-01.7561093	2625.4271991782174	4304952.136788085	3701.640224227749	3500.574739042618	3409.075584728454	3408.075584728454	101.06275032348731	107.5643675490363	
154	12174	-269961.1413	90657.3170250766	39.36092644937229	-01.7537763	2627.438152916556	4304947.71071269	3696.87432096806	3499.438337869615	3393.650851626099	3391.184623954617	98.748620756441	108.2531731968321	
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156	12176	-268641.1413	90657.3170250766	39.3609632781055	-01.7491104	2631.454064858485	4304939.63894525	3690.446170495364	3505.104991792063	3380.741349995076	3389.46710524933	114.36234918416393	105.36234918416393	
157	12177	-267981.1413	90657.3170250766	39.36098159430595	-01.7467714	2633.407105159827	4304935.453217059	3687.312757086823	3492.861498955826	3376.415711662725	3379.086343952454	116.568917698043	113.8951386271582	
158	12178	-267321.1413	90657.3170250766	39.360999961526	-01.7444134	2635.448162932516	4304931.36763875	3701.7434364194465	3500.093434144465	3412.56988176874814	3415.603269051577	93.34132343816	95.9697313541703	
159	12179	-266661.1413	90657.3170250766	39.36101805749345	-01.7421114	2637.459828937496	4304927.282309799	3688.874138044492	3500.093434144465	3412.56988176874814	3415.603269051577	93.34132343816	95.9697313541703	
160	12180	-266001.1413	90657.3170250766	39.361036243936475	-01.7397784	2639.503829191526	4304923.197151849	3677.694202762894	3500.093434144465	3412.56988176874814	3415.603269051577	93.34132343816	95.9697313541703	
161	12181	-265341.1413	90657.3170250766	39.3610548330699	-01.7374455	2641.514775675305	4304919.112	3674.61532050808	3500.093434144465	3412.56988176874814	3415.603269051577	93.34132343816	95.9697313541703	
162	12182	-264681.1413	90657.3170250766	39.36107346181397	-01.7351214	2643.5270962859	4304915.02743784	3671.1364947391	3483.0241181965052	3376.8696132015666	3376.8696132015666	106.154508943692	126.095823915932	
163	12183	-264021.1413	90657.3170250766	39.36109053287396	-01.7327794	2645.563630774013	4304911.339291594	3670.61339219381	3481.21109685253	3376.321266856734	3351.4145972040676	116.568917698043	113.8951386271582	
164	12184	-263361.1413	90657.3170250766	39.36110853097105	-01.7304484	2647.5746843006	4304906.85851998	3672.845926	3479.46776015225	3375.55804066557	3343.07310792861	103.912709668605	116.568917698043	
165	12185	-262701.1413	90657.3170250766	39.3611269961526	-01.7281174	2649.593928191526	4304902.73369185	3670.61339219381	3479.46776015225	3375.55804066557	3343.07310792861	103.912709668605	116.568917698043	
166	12186	-262041.1413	90657.3170250766	39.36114440250955	-01.7258404	2651.6515841025823	4304900.368073799	3671.3110937164	3479.46776015225	3375.55804066557	3343.07310792861	103.912709668605	116.568917698043	
167	12187	-261381.1413	90657.3170250766	39.3611622871948	-01.7234474	2653.68304507135	4304903.60635116	3670.89965271517	3474.61452361203	3374.382759429059	3353.278585497647	100.226829282819	121.334559381143848	
168	12188	-260721.1413	90657.3170250766	39.36118011311987	-01.7211144	2655.69126691167	4304900.33071365	3679.575117012572	3473.00100986474					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	BREIElevKgr.ft	SurfBoth.ft
194	174	128269	-207261.1413	906577.3170250766	39.36247433646912	-101.5321377	281846.8401855551	4300600.414380326	3519.183175505679	377.429627209419	3290.4428773103764	3289.25370465199	38.8679489904248	88.17635674
250	174	128270	-206601.1413	906577.3170250766	39.36448840400904	-101.5290486	282047.9140311087	4300591.347103917	3516.095132518054	3376.155138874706	3287.967148402326	3287.967148402326	88.33313296720623	89.33313296720623
251	174	128271	-205981.1413	906577.3170250766	39.36250969696965	-101.527474	282248.967611903	4300582.260028256	3516.362774859258	3374.863551609108	3286.37683192218	3284.262212988938	88.33313296720623	89.33313296720623
252	174	128272	-205281.1413	906577.3170250766	39.36251661004458	-101.5251385	282450.0617704299	4300498.413146042	3516.09422685151	3373.520697375632	3282.829994453394	3281.658103804905	90.60702390422348	91.862408496474
253	174	128273	-204621.1413	906577.3170250766	39.36253060543866	-101.5228054	282651.1342803935	4300404.146464566	3516.073389680424	3372.1581034691953	3280.144303779932	3279.022004022348	92.013799688062312	93.13069944684731
254	174	128274	-203961.1413	906577.3170250766	39.36254555765275	-101.5204723	282852.207264274	4300404.079981381	3516.058977012532	3370.767504533874	3277.265838124423	3276.4756662143312	94.287472620429179	95.3613620429179
255	174	128275	-203301.1413	906577.3170250766	39.36255812109356	-101.5181392	283053.28	4300360.013964846	3516.0470497082433	3369.334299937021	3274.781890729701	3273.583907374935	94.55240920732695	95.3613620429179
256	174	128276	-202641.1413	906577.3170250766	39.36257222121959	-101.5159861	283254.35260312085	4300301.347609867	3516.0376447498023	3367.8650437903025	3272.3119499804257	3271.734943024277	95.3613620429179	96.28155336792543
257	174	128277	-201981.1413	906577.3170250766	39.36258691364986	-101.5134073	283455.45065019373	4300250.260028256	3516.0286582567605	3366.949815492805	3270.65337686977	3269.3985512477234	96.85336425	97.85336425
258	174	128278	-201321.1413	906577.3170250766	39.36259990440789	-101.511139	283656.497	4300203.218031443	3516.0203257989	3367.946347259178	3267.452740050852	3266.3305529211718	97.32965207213659	97.32965207213659
259	174	128279	-200661.1413	906577.3170250766	39.36261383140245	-101.5088088	283857.569	4300190.751	3516.022075789267	3363.1568137858324	3266.17409911443166	3265.974461507755	97.81073692210969	97.81073692210969
260	174	128280	-200001.1413	906577.3170250766	39.362627311330506	-101.5064737	284058.6407176877	4300115.685240640	3516.049436336374	3361.470152462922	3265.093555799626	3264.05561985162983	96.7359666329637	96.7359666329637
261	174	128281	-199341.1413	906577.3170250766	39.3626409619207	-101.5041406	284259.1722080915	4300010.150270178	3516.0486110598117	3359.273746340147	3264.568094712061	3263.695231391763	95.0542038927369	95.0542038927369
262	174	128282	-198681.1413	906577.3170250766	39.36265435967055	-101.5018075	284460.78349100635	4300007.555253618	3514.182279	3357.923605069876	3264.629521584605	3264.965696981876	93.29403850228096	92.9570540507824
263	174	128283	-198021.1413	906577.3170250766	39.3626688	-101.4994744	284681.8546616984	4300003.450547551	3514.0892322072803	3356.07922742699	3263.8581672447517	3264.37213226888	92.21066497212809	91.79304145168808
264	174	128284	-197361.1413	906577.3170250766	39.362681590377334	-101.4971413	284862.9242037927	4300999.426	3514.081122220336	3354.201041	3261.2712205449864	3261.096320515375	92.0286261902148	92.0286261902148
265	174	128285	-196701.1413	906577.3170250766	39.36269434972525	-101.4948082	285063.9960725405	4300995.361751661	3514.081122220336	3352.298287074922	3258.233853303294	3258.4779265168489	90.06544777316285	93.8213619004379
266	174	128286	-196041.1413	906577.3170250766	39.36270844450113	-101.4924751	285255.065025276	4300991.2974426	3514.117701	3350.382345091862	3255.114918311926	3254.642777936196	95.40606495376323	95.40606495376323
267	174	128287	-195381.1413	906577.3170250766	39.3627218089630	-101.490142	285466.1367240827	4300987.233741389	3514.0852585779424	3348.4587814545626	3252.304206145153	3251.6381971972277	96.42537884005215	96.42537884005215
268	174	128288	-194721.1413	906577.3170250766	39.3627351238523	-101.4878089	285667.2607390667	4300983.17	3514.075427189064	3346.53800227301	3248.7115901861616	3248.6821021506516	97.8757783708517	97.8757783708517
269	174	128289	-194061.1413	906577.3170250766	39.36274840268675	-101.4854758	285868.276540022	4300979.10623871	3514.075427189064	3344.6237968730674	3246.0448808906116	3245.294115981974	99.18280186	99.18280186
270	174	128290	-193401.1413	906577.3170250766	39.3627615194843	-101.4831427	286088.264131712885	4300975.403212765	3514.075427189064	3342.763940134635	3243.084376265051	3242.618687707677	99.64207175	99.64207175
271	174	128291	-192741.1413	906577.3170250766	39.36277461614342	-101.48089	286270.4155120314	4300970.903985456	3514.075427189064	3340.813657330674	3241.656173589927	3240.813657330674	99.64207175	99.64207175
272	174	128292	-192081.1413	906577.3170250766	39.36278795521756	-101.4784765	286471.4847	4300966.917183881	3514.075427189064	3339.002703113206	3241.03682374414	3241.964731913884	95.7920273879196	97.0379712176745
273	174	128293	-191421.1413	906577.3170250766	39.362801093332894	-101.4761434	286672.55361488785	4300962.85446683	3514.075427189064	3337.187128643897	3240.78831777924	3241.964731913884	95.7920273879196	97.0379712176745
274	174	128294	-190761.1413	906577.3170250766	39.3628141	-101.4738103	286873.6223917513	4300962.85446683	3514.075427189064	3335.480197211194	3240.990446075737	3241.628830393036	91.418151358223	93.7793671178318
275	174	128295	-190101.1413	906577.3170250766	39.3628271	-101.4714772	287074.00938186373	4300958.73	3514.075427189064	3333.66812427213	3240.10404	3241.628830393036	91.418151358223	93.7793671178318
276	174	128296	-189441.1413	906577.3170250766	39.36284006111571	-101.4691141	287275.75926243013	4300950.675045318	3514.075427189064	3331.968174567008	3240.37602421689	3240.3684517982006	97.9927124531154	91.5823276880017
277	174	128297	-188781.1413	906577.3170250766	39.36285297489561	-101.46681	287476.82738137145	4300946.3398356	3514.075427189064	3329.977615687517	3240.37602421689	3240.3684517982006	97.9927124531154	91.5823276880017
278	174	128298	-188121.1413	906577.3170250766	39.36286543636954	-101.4644779	287677.9148355773	4300942.73	3514.075427189064	3328.17048357291	3240.37602421689	3240.3684517982006	97.9927124531154	91.5823276880017
279	174	128299	-187461.1413	906577.3170250766	39.36287867296236	-101.4621488	287878.9639983363	4300942.73	3514.075427189064	3327.139566473796	3242.243561312959	3242.54466184184	94.8960033424046	89.5948736246124
280	174	128300	-186801.1413	906577.3170250766	39.3628914589911	-101.4598117	288080.034993312	4300938.42095526	3514.075427189064	3325.625019600907	3241.48250949873	3241.48250949873	94.1216865022672	88.43090205
281	174	128301	-186141.1413	906577.3170250766	39.36290417941496	-101.4574785	288281.097729442	4300930.36	3514.075427189064	3324.156259805482	3236.23241280293	3238.820173257031	95.7920273879196	97.0379712176745
282	174	128302	-185481.1413	906577.3170250766	39.36291687	-101.4551454	288482.164856422	4300926.29892042	3514.075427189064	3322.7353367075	3239.947268563347	3239.947268563347	95.7920273879196	97.0379712176745
283	174	128303	-184821.1413	906577.3170250766	39.36292951265534	-101.4528123	288683.2317263505	4300922.23819345	3514.075427189064	3320.977615687517	3238.15080085442	3236.73625	92.214784141225	84.6213247243436
284	174	128304	-184161.1413	906577.3170250766	39.3629421	-101.4504792	288884.2983791525	4300918.17785457	3514.075427189064	3320.01828398197	3238.15080085442	3236.73625	92.214784141225	84.6213247243436
285	174	128305	-183501.1413	906577.3170250766	39.3629546284773	-101.4481461	289085.3684180123	4300914.171515656	3514.075427189064	3318.718393130125	3237.285190118816	3234.122653179513	91.7837178419348	84.5960715950023
286	174	128306	-182841.1413	906577.3170250766	39.36296717038115	-101.445813	289286.431081937	4300910.057173908	3514.075427189064	3316.825365110094	3235.474339518734	3235.474339518734	91.7837178419348	84.5960715950023
287	174	128307	-182181.1413	906577.3170250766	39.36297963416134	-101.4434799	289487.4971272987	4300905.997203012	3514.075427189064	3314.73367229177	3234.715685431013	3227.902173626097	91.52633513791079	88.335273492135
288	174	128308	-181521.1413	906577.3170250766	39.36299205222334	-101.4411467	289688.6035092711	4300901.937482517	3514.075427189064	3312.62171570087	3233.695840629775	3233.695840629775	91.7837178419348	84.5960715950023
289	174	128309	-180861.1413	906577.3170250766	39.36300442521234	-101.4388136	289889.628841619	4300897.877394379	3514.075427189064	3310.9884170996	3231.9842704171206	3231.9842704171206	91.7837178419348	84.5960715950023
290	174	128310	-180201.1413	906577.3170250766	39.36301671531392	-101.4364085	290000.6940102901	4300893.818585264	3514.075427189064	3309.796734619054	3230.22270900839	3227.285384379811	92.5994345346085	85.523636669387
291	174	128311	-179541.1413	906577.3170250766	39.36302917540319	-101.4340796	290199.7591469856	4300889.08891869	3514.075427189064	3308.73597139	3229.06042425991	3226.73625	92.214784141225	84.6213247243436
292	174	128312	-178881.1413	906577.3170250766	39.36304177377552	-101.4318143	290392.842306432	4300885.70040002	3514.075427189064	3307.629272667404	3228.170633180126	3224.7883177924	91.7837178419348	84.5960715950023
293	174	128313	-178221.1413	906577.3170250766	39.36305346649454	-								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevBkgm.f	BRElevBkgm.f	SatHtLogm.f	SatHtBkgm.f
375	174	123839	-12401.1413	90657.3172025076	39.363899903431324	-101.2381627	7010.81252131607	45959.49489	3326.2801016029566	311.813096484757	3127.5385261345095	3132.59174460573	60.5475305204754	55.52135118702422
376	174	123839	-12344.1413	90657.3172025076	39.36390835549182	-101.2382926	7037.8156966411765	45959.454562986	3322.8195213691987	3115.5690167931807	3125.0447723441233	3130.019139826104	60.52454804545404	55.4783696485832
377	174	123837	-12278.1413	90657.3172025076	39.3639056789636	-101.2384674	7082.81788810315	45959.41432111518	3318.361171435424	3182.86101974279124	3122.711768403562	3127.411653662566	60.2294170733313	55.2919635485454
378	174	123839	-12211.1413	90657.3172025076	39.36392514049505	-101.2311362	70773.6659	45959.373052781	3315.87569016968	3180.294459018826	3120.338657856772	3125.1508280647467	59.95001290074035	55.14363034
379	174	123839	-12146.1413	90657.3172025076	39.3639344125954	-101.22883	70984.71377048455	45959.3328600573	3314.09544913698	3177.5768680149154	3118.038365678485	3122.62593	59.583602336430156	54.9503838175533
380	174	123840	-12080.1413	90657.3172025076	39.36393417304412	-101.2264968	708185.7614227139	45959.3260710482	3313.98769317147	3174.8165200714425	3116.032996878928	3120.2647569178094	54.6117631563309	54.7817631563309
381	174	123840	-12014.1413	90657.3172025076	39.36394903975967	-101.2241637	70838.860800806	45959.254678901	3313.875414229297	3172.01554986734	3117.80940455027326	3117.855980260194	54.8210154130013	54.1655726564011
382	174	12402	-11948.1413	90657.3172025076	39.363958121406206	-101.2218305	70838.85861831011	45959.2150414023	3313.7136989807458	3169.1976914272495	3112.03688638529	3117.68378989627	54.1940028373023	53.5897017566247
383	174	12403	-11882.1413	90657.3172025076	39.3639587678636	-101.2194873	70878.5037854233	45959.16163846437	3312.86138435428	3165.34675568682	3110.058141316954	3113.761052471428	54.2695155225654	53.58570411943326
384	174	12404	-11816.1413	90657.3172025076	39.36397434945075	-101.2171641	70889.9501865116	45959.13227139	3312.57947684414	3163.4737437529783	3108.293451500735	3111.54114183405	54.250225990733	51.932901909733
385	174	12405	-11750.1413	90657.3172025076	39.36398239593138	-101.2148309	70901.9960751033	45959.092021189	3309.634536903448	3160.5856154905114	3106.901461249554	3109.725152038657	53.6841524055593	50.8046351945634
386	174	12406	-11684.1413	90657.3172025076	39.363990397301606	-101.2124978	709392.0434414807	45959.0501827369	3309.97112613845	3157.688064472422	3105.32654292377	3107.439708406115	52.3543053486536	50.2483762391071
387	174	12407	-11618.1413	90657.3172025076	39.36399833602724	-101.201646	70993.0897886274	45959.010164883	3304.689914889817	3154.7831429114813	3103.6171774871033	3105.253812126858	51.17136803987296	49.52933078
388	174	12408	-11552.1413	90657.3172025076	39.36400526483686	-101.2078314	70994.13594925456	45949.9616766749	3299.72089491676	3151.871785424945	3101.4947013635274	3103.038708759164	50.3770840614174	48.83307756725344
389	174	12409	-11486.1413	90657.3172025076	39.364014130997525	-101.2054892	70995.18192535426	45949.9231883661	3294.791898410528	3148.861103225387	3099.3261533999024	3100.519485051998	48.4316482039098	48.4316482039098
390	174	12410	-11420.1413	90657.3172025076	39.36402195209119	-101.203165	710196.227116725	45949.882269216	3289.782849	3146.02576783837	3097.011254	3097.88439280609	49.0133407301694	48.4171505626295
391	174	12411	-11354.1413	90657.3172025076	39.36402973	-101.2008818	710397.2733138744	45949.842907395	3286.691651899557	3143.102240353653	3094.233960434068	3094.827858811248	48.6685816014895	48.2775615
392	174	12412	-11288.1413	90657.3172025076	39.36403745907103	-101.1984987	710598.317303459	45949.803751101	3285.47827491326	3140.183450310446	3091.7064273543956	3091.7064273543956	48.90349372659512	48.90349372659512
393	174	12413	-11222.1413	90657.3172025076	39.36404514485714	-101.1961655	710799.3636912887	45949.764720021	3283.268654383403	3089.06520175675	3088.7788728194	48.17342418735564	48.79486780189136	48.79486780189136
394	174	12414	-11156.1413	90657.3172025076	39.36405278577402	-101.1938323	711000.4900069131	45947.725022144	3283.05151767363	3143.3584354827806	3085.961319368796	3085.961319368796	48.4918312054064	48.4918312054064
395	174	12415	-11090.1413	90657.3172025076	39.3640603512169	-101.1914991	711201.4536672408	45949.688721438	3281.40652548926	3143.357469184306	3082.531599960362	3082.531599960362	49.2224054052625	49.2224054052625
396	174	12416	-11024.1413	90657.3172025076	39.36406753220115	-101.189169	711402.49654031783	45949.64488717983	3278.359074836994	3128.56511543636	3079.031589737596	3078.18779524294	49.5786306089535	49.5786306089535
397	174	12417	-10958.1413	90657.3172025076	39.364116929088	-101.186822	711594.1047007359	45949.611936957	3276.282217211826	3128.56511543636	3079.031589737596	3078.18779524294	49.5786306089535	49.5786306089535
398	174	12418	-10892.1413	90657.3172025076	39.364128934931	-101.184495	711804.5874304005	45949.575202485	3275.188714641057	3122.76855710117	3072.155519989825	3071.759737195783	49.630371125459	49.630371125459
399	174	12419	-10826.1413	90657.3172025076	39.3640903181971	-101.1821663	712005.614620194	45949.53489054	3272.5003707808547	3119.8249812259222	3068.33324714856	3067.834705961874	51.991374012634	52.0515716694452
400	174	12420	-10760.1413	90657.3172025076	39.36407684220994	-101.1798332	712206.6140040996	45949.484727759	3269.1966714136758	3117.076909056987	3064.376342969644	3063.855627187746	52.7005661025252	52.7005661025252
401	174	12421	-10694.1413	90657.3172025076	39.364105952965	-101.1775	712407.719154533	45949.445988124	3265.80493426587	3114.243519642016	3060.369795815107	3059.796119316051	53.7837800921313	54.4474003297247
402	174	12422	-10628.1413	90657.3172025076	39.3641122988157	-101.175168	712608.762724908	45949.40236709	3264.585294814322	3112.45456917781	3056.612696163545	3054.9328018189602	54.81276075423624	54.81276075423624
403	174	12423	-10562.1413	90657.3172025076	39.364116929088	-101.173638	712809.8619638126	45949.3659144232	3262.58479481056	3110.824349383852	3054.347823238262	3054.347823238262	54.81276075423624	54.81276075423624
404	174	12424	-10496.1413	90657.3172025076	39.3641151132805	-101.1705044	713010.61151565746	45949.3248	3259.94948445567	3105.83454820559	3052.348714720176	3052.348714720176	54.81276075423624	54.81276075423624
405	174	12425	-10430.1413	90657.3172025076	39.364133860175	-101.1681672	713211.8932362977	45949.2813158435	3255.66548493989	3103.0614934233367	3045.39186	3044.67968080908	54.81276075423624	54.81276075423624
406	174	12426	-10364.1413	90657.3172025076	39.36413096017252	-101.165834	713412.9317417096	45949.2427578681	3254.3057314214398	3041.439682765723	3040.8115307340343	3040.8115307340343	54.81276075423624	54.81276075423624
407	174	12427	-10298.1413	90657.3172025076	39.3641480150829	-101.1635008	713613.9778	45949.203491897	3246.400599	3039.57405889074	3038.31108998216	3038.31108998216	54.81276075423624	54.81276075423624
408	174	12428	-10232.1413	90657.3172025076	39.36415502493463	-101.1611676	713815.020301829	45949.163405406	3243.749890554673	3047.8617712169096	3035.323471974909	3035.323471974909	54.81276075423624	54.81276075423624
409	174	12429	-10166.1413	90657.3172025076	39.36416789971155	-101.158834	714016.062592368	45949.12167613222	3241.18972188725	3042.187878312986	3032.768378785893	3032.768378785893	54.81276075423624	54.81276075423624
410	174	12430	-10100.1413	90657.3172025076	39.364168904194	-101.1565012	714217.1047007359	45949.08131936957	3239.282217211826	3042.187878312986	3032.768378785893	3032.768378785893	54.81276075423624	54.81276075423624
411	174	12431	-10034.1413	90657.3172025076	39.3641758407505	-101.154168	714418.1466723089	45949.042632999	3236.110814456585	3048.9193912475116	3028.81020996166	3028.81020996166	54.81276075423624	54.81276075423624
412	174	12432	-9968.1413	90657.3172025076	39.3641821362563	-101.1518439	714619.183725455	45949.00161273255	3233.76636060326	3044.339276772095	3026.96481164554	3026.96481164554	54.81276075423624	54.81276075423624
413	174	12433	-9902.1413	90657.3172025076	39.3641893812472	-101.1495017	714820.2296357885	45949.06222105	3231.4253718740987	3041.79457786206	3026.058789602673	3025.45777	55.7386681363331	56.3989514097034
414	174	12434	-9836.1413	90657.3172025076	39.36419614	-101.1471685	715021.27131808625	45949.0391365609	3229.078577087814	3049.29428075905	3025.30674052193	3024.747325406192	53.9336574912059	54.5469726887615
415	174	12435	-9770.1413	90657.3172025076	39.3642028191438	-101.1448393	715222.3219338727	45949.03973857	3225.76509479309	3076.832107564203	3025.070407993127	3024.747325406192	53.9336574912059	54.5469726887615
416	174	12436	-9704.1413	90657.3172025076	39.36420948120824	-101.142501	715413.353396101	45949.032243835	3221.454549409257	3074.413484359606	3023.62137032225	3023.62137032225	54.81276075423624	54.81276075423624
417	174	12437	-9638.1413	90657.3172025076	39.364216929088	-101.139832	715619.79379487	45949.0273734457	3219.282217211826	3074.413484359606	3023.62137032225	3023.62137032225	54.81276075423624	54.81276075423624
418	174	12438	-9572.1413	90657.3172025076	39.3642224458073	-101.137857	715825.43139119774	45949.053911513	3215.814543894272	3069.70382193563	3021.50005204895	3020.71740526762	54.81276075423624	54.81276075423624
419	174	12439	-9506.1413	90657.3172025076	39.36422915866266	-101.1355025	716026.4765185039	45949.032018215	3212.90436060326	3067.418001	3018.487670743093			

ix	iy	icst	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThKgr.f	SatThBoth.f
500	174	12821	-4094.14133	90657.3170250766	-36.36460994064586	-100.9441791	3251.2113882658	4359041.712302791	3091.963678146465	3060.018994130582	2843.4789364738704	2843.3149842947287	117.50407985858319	117.50407985858319
502	174	12822	-4028.14133	90657.3170250766	-36.36461121593962	-100.9371759	327.1221735092	4359037.94753334	3086.169765736057	2959.617519283492	2844.323705269526	2844.2414386036885	115.34797401901168	115.34797401901168
503	174	12823	-3962.14133	90657.3170250766	-36.3646154214284	-100.9386127	3323.253826912	4359035.671403	3078.9843766184	2958.540721751948	2844.67070561328	2844.584837598408	113.87023366041514	113.87023366041514
504	174	12824	-3961.14133	90657.3170250766	-36.3646187592596	-100.9317795	3301.1312797161236	4359029.66027341	3071.032904262374	2957.4206903533935	2844.478895967973	2844.3951733524038	112.9501733524038	113.0465400934752
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507	174	12827	-3698.14133	90657.3170250766	-36.36462590425319	-100.9301798	3337.137356481237	4359017.93690557	3077.036651278896	2954.205157856883	2841.6019394163504	2841.4658141251375	112.603218405326	112.739343447556
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510	174	12830	-3500.14133	90657.3170250766	-36.3646332759747	-100.9231801	3342.01431789505	4359005.561440211	3075.452805951487	2951.05573650527	2837.5504837181913	2837.58401358429	112.614826931	112.747330602630
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512	174	12832	-3368.14133	90657.3170250766	-36.3646378670803	-100.9185137	3347.22418187104	4358997.530704557	3073.95023983416	2948.91957127643	2832.4974350730803	2832.2077230869	116.71608513406545	116.71608513406545
513	174	12833	-3302.14133	90657.3170250766	-36.36464024530872	-100.9161805	3349.02350564485043	4358993.514868082	3069.2916329174792	2947.829300591474	2828.8741129481174	2828.3317935751293	118.9549711256539	119.4975364801474
514	174	12834	-3236.14133	90657.3170250766	-36.36464247738435	-100.9138472	3351.245299418154	4358994.949493823	3068.9302194366173	2946.7207358229816	2824.385162462525	2823.39360409475	122.3357334049465	122.3357334049465
515	174	12835	-3170.14133	90657.3170250766	-36.36464465059779	-100.911514	3352.55407828996	4358989.48449778	3068.599702	2945.59312588689	2823.66371683675	2822.892694543823	116.92940870588652	117.0043014228669
516	174	12836	-3104.14133	90657.3170250766	-36.36464681	-100.9091809	3352.6578054742	4358981.40898736	3074.2020466104	2944.44712320417	2832.7853345367294	2832.123404311469	111.617896674167	112.327188927018
517	174	12837	-3038.14133	90657.3170250766	-36.36464894050542	-100.9068476	3357.7201807678	4358977.45	3073.70272646154	2943.282737934051	2830.7450303486962	2829.538961820482	110.5013258419081	113.7429315718463
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523	174	12843	-2642.14133	90657.3170250766	-36.364661143832	-100.8928163	3369.42718194848	4358953.741692468	3065.984368415913	2935.984368415913	2830.368987777312	2830.368987777312	104.75191724996138	104.75191724996138
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530	174	12850	-2180.14133	90657.3170250766	-36.364673705791	-100.876515	3383.9407905791	4358925.29306852	3061.1054502995143	2928.368987777312	2833.14813325544	2833.14813325544	91.5469045	91.5469045
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538	174	12858	-1652.14133	90657.3170250766	-36.36468253493637	-100.8578498	3399.0560330874	4358903.97123306	3062.883743417306	2915.79554772394	2812.07932510777	2812.07932510777	78.761247584123	78.761247584123
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543	174	12863	-1322.14133	90657.3170250766	-36.3646880369064	-100.8462813	3410.2907905791	4358873.241692468	3059.281691363504	2908.584368415913	2800.368987777312	2800.368987777312	68.5161782728485	68.5161782728485
544	174	12864	-1256.14133	90657.3170250766	-36.364689248404	-100.8439055	3411.55184390924	4358869.13406885	3060.218413900416	2906.82486432086	2801.1376271562123	2801.1376271562123	66.6585208770632	66.6585208770632
545	174	12865	-1190.14133	90657.3170250766	-36.364690382145985	-100.8415172	3413.2660460929	4358865.12811287	3060.212356454197	2905.21825410197	2801.8330591937407			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.	BRIElevBothKgf.	LatBothKgf.	SurfBoth.ft
627	174	128647	42216.85867307335	906577.3170250766	39.36460444370244	-100.6501927	57839.2912909029	4358537.044521284	293.6075246734662	272.2618336393923	2667.897989202829	2669.7598987959313	34.163844761103064	32.3019460461891
628	174	128648	42178.85867307335	906577.3170250766	39.36460153810536	-100.6478598	58040.298122499	4358535.016514292	293.46546160038	272.066471337706	2666.994766764846	2686.160210316117	33.056962502948174	32.896261020948174
629	174	128649	42185.85867307335	906577.3170250766	39.36459969839645	-100.6486263	58541.305797087	4358529.0685929	293.323668314296	271.822142080324	2666.873769820668	2679.8034929174929	32.4537578311326	32.5384583826456
630	174	128650	42198.85867307335	906577.3170250766	39.36459595169885	-100.643193	58442.3124545378	4358525.06467702	293.181875271473	271.6193514276003	2666.5422455862796	2677.961122820048	32.421691387872465	38.9736178620094
631	174	128651	42185.85867307335	906577.3170250766	39.36459255089091	-100.6408598	58563.319866765	4358521.0747124724	292.6314702169493	271.511459711577	2662.956446686643	2680.340861816596	32.58503120326524	35.4737119497726
632	174	128652	42511.85867307335	906577.3170250766	39.3645785064051273	-100.6352616	58844.3266314906	4358517.082706051	292.6172425366127	271.4239276511205	2661.3201662733163	2680.909541481166	32.85037317788862	33.9147346974908
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634	174	128654	46838.85867307335	906577.3170250766	39.364583158045576	-100.633801	59246.2397722928	4358509.09465181	291.7754419329307	271.008562978966	2667.958979549571	2678.645226604781	35.0223833843951	34.36336331484811
635	174	128655	47498.85867307335	906577.3170250766	39.36457969899965	-100.6316269	59547.3057387943	4358506.0685521	291.6276964868688	271.213305958171263	2656.673326890668	2679.8034929174929	35.05703387114263	32.3368671042427
636	174	128656	48158.85867307335	906577.3170250766	39.36457670770749	-100.629137	59548.3523695611	4358501.115365203	291.52300452209	271.255446353524	2654.945431769303	2679.118472567393	35.2902131566203	32.1371736913072
637	174	128657	48818.85867307335	906577.3170250766	39.36457335695608	-100.6268605	59498.358464888	4358497.125	291.633468784002	271.033468784002	2653.328967369583	2678.804603821474	32.94451927810286	
638	174	128658	49478.85867307335	906577.3170250766	39.3645700326845	-100.6245273	60050.364249462	4358493.13285507	291.9837953834414	270.949160776374	2651.81396492074	2676.51827788576	35.862213127166524	37.958289060677
639	174	128659	50138.85867307335	906577.3170250766	39.364566601898595	-100.622194	60221.3702	4358489.12543166	292.01683116155447	270.9582881419005	2649.505231887033	2668.538095138255	35.00405623197196	40.0594869
640	174	128660	50798.85867307335	906577.3170250766	39.36456315545858	-100.6198608	60452.37549008516	4358485.152	291.0541952725621	270.689660299194	2647.20405320182	2659.8160780184183	35.49215677107495	47.8278801150112
641	174	128661	51458.85867307335	906577.3170250766	39.36456395348295	-100.6175276	60653.3814955753	4358481.16197479	290.84559693907	270.6785461998907	2645.2365658071	2647.854619788676	35.61492796876	51.5234978
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644	174	128664	53438.85867307335	906577.3170250766	39.364548918996356	-100.610528	61256.3973518955	4358469.192120096	290.623596012684	270.3710957011895	2637.045323	2647.876666319786	35.66563447673525	58.754290796218
645	174	128665	54098.85867307335	906577.3170250766	39.36454524720533	-100.6081947	61457.4023712544	4358465.25087724	290.5835885827396	270.222385303885	2635.4796861522286	2649.7580776607	35.610299915	52.764573758145
646	174	128666	54758.85867307335	906577.3170250766	39.36454153034411	-100.6058615	61658.407260343	4358461.2192343	289.910539216535	270.1275841940207	2633.916170275473	2650.246734483974	35.40131492	50.96959730213264
647	174	128667	55418.85867307335	906577.3170250766	39.36453776841729	-100.6032983	61859.4120132256	4358457.224021216	289.674732920896	269.8191956	2633.5221800810864	2670.0897253	46.29776580813824	
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649	174	128669	56738.85867307335	906577.3170250766	39.36447521028725	-100.598319	62474.4611166513	4358449.246	288.7592461861747	268.545768285	2629.847569458217	2653.867205825817	46.8372052297965	
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655	174	128675	60798.85867307335	906577.3170250766	39.36448736987335	-100.5848626	63467.4452488874	4358425.371728975	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
656	174	128676	61518.85867307335	906577.3170250766	39.36447591028725	-100.5825294	63647.4611166513	4358420.33027016	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
657	174	128677	62018.85867307335	906577.3170250766	39.36446770241946	-100.5801961	63869.452238179	4358417.3303629	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
658	174	128678	62678.85867307335	906577.3170250766	39.36443941	-100.5778629	64070.455239516	4358413.35601014	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
659	174	128679	63338.85867307335	906577.3170250766	39.364439109766545	-100.5752927	64271.4587027925	4358409.39178961	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
660	174	128680	63998.85867307335	906577.3170250766	39.36444817632784	-100.5731965	64472.4611166513	4358405.38242872	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
661	174	128681	64658.85867307335	906577.3170250766	39.3644439031092	-100.5706683	64683.4644439254	4358401.39617013	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
662	174	128682	65318.85867307335	906577.3170250766	39.36443521028725	-100.568319	64874.4611166513	4358397.40856516	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
663	174	128683	65978.85867307335	906577.3170250766	39.3644314797511	-100.5659198	65075.4701	4358393.420382048	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
664	174	128684	66638.85867307335	906577.3170250766	39.36446691985214	-100.563836	65276.47257971356	4358393.48	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
665	174	128685	67298.85867307335	906577.3170250766	39.3644634665916	-100.5615304	65477.474665083	4358385.42586435	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
666	174	128686	67958.85867307335	906577.3170250766	39.36445772839615	-100.5591972	65678.4772203935	4358381.467	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
667	174	128687	68618.85867307335	906577.3170250766	39.3644530606315	-100.556984	65879.4793474592	4358377.81548241	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
668	174	128688	69278.85867307335	906577.3170250766	39.3644483666018	-100.5545308	66080.481	4358373.49647149	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
669	174	128689	69938.85867307335	906577.3170250766	39.3644439031092	-100.5521859	66281.4793474592	4358369.420382048	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	50.96959730213264
670	174	128690	70598.85867307335	906577.3170250766	39.364438044423	-100.549864	66482.48953177	4358362.90621568	283.678765924971487	268.678765924971487	2626.20738797471	2635.854468199874	47.432057	

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKgr.f	BREVEBotKgr.f	SurfHtKgr.f	SurfBotKgr.f
13	175	128773	-363021.1413	707237.3170250766	39.59691889502336	-102.0827462	234391.0756	4361227.164878474	3972.936279712796	3744.6075808602793	3645.479674803958	3644.566264865578	39.1271837983518	100.04443373721506
14	175	128774	-362631.1413	707237.3170250766	39.5971665542177	-102.0804734	234592.2056552116	4361223.50033804	3970.9144542817476	3743.0976426770516	3644.3895232162854	3643.4664683129665	39.1637194367625	99.631196376
15	175	128775	-361701.1413	707237.3170250766	39.597413116589	-102.0780895	234793.335494653	4361184.83394463	3968.5170597688046	3741.262931284873	3640.5928215799402	3640.098508877637	39.1782973953331	92.48581441420952
16	175	128776	-361041.1413	707237.3170250766	39.59769068	-102.0757447	234984.464607071	4361182.16588459	3965.145573877034	3740.0593912503857	3653.1637251024968	3653.03921723477	39.18695640478896	87.0191371200807
17	175	128777	-360381.1413	707237.3170250766	39.5979068	-102.0734148	235195.594291856	4361210.707918951	3967.0135564074076	3738.530538114344	3655.203520826506	3655.096485207103	39.193270787382	83.23070529072411
18	175	128778	-359721.1413	707237.3170250766	39.5981526851237	-102.071082	235396.7232110484	4361206.504179527	3958.80161647681	3736.968527865526	3655.56940919256	3655.2336112134666	39.143091187	81.4632046708597
19	175	128779	-359061.1413	707237.3170250766	39.59839809137945	-102.0687491	235597.8519486701	4361202.481	3956.114604892827	3735.459187265877	3654.068074037234	3653.967143420187	39.13903787431449	81.49204385639095
20	175	128780	-358401.1413	707237.3170250766	39.598643074047	-102.0664163	235786.9804200828	4361198.367301182	3953.912556842821	3733.919234134922	3651.069536801534	3650.88341515912	39.14269972447678	83.03591962
21	175	128781	-357741.1413	707237.3170250766	39.5988955521241	-102.0640483	236000.1086296577	4361194.251622445	3948.5170597688046	3731.9235151887	3647.372806702943	3647.098158953566	39.15086961022268	85.27763968511007
22	175	128782	-357081.1413	707237.3170250766	39.59911316566117	-102.0617505	236201.2366773017	4361190.141	3949.50502520442	3730.844385384157	3646.1619734922724	3643.7811705167233	39.167845146143	97.0652912
23	175	128783	-356421.1413	707237.3170250766	39.59935721050874	-102.0594717	236402.36426331126	4361192.08484818	3947.2623592936275	3729.314843191402	3642.16310781891573	3641.5116031471	39.175330944558	87.8037801955496
24	175	128784	-355761.1413	707237.3170250766	39.599618363147	-102.0570848	236603.491688395	4361181.91546309	3944.972211407091	3727.786016720011	3642.042639680484	3639.4116312057174	39.17671795412162	88.37438551483365
25	175	128785	-355101.1413	707237.3170250766	39.5998610652626	-102.0545719	236804.61885215878	4361179.203670929	3942.6619926814644	3726.2616992861464	3638.0081019558666	3637.025469757396	39.18259373057985	89.23629925050403
26	175	128786	-354441.1413	707237.3170250766	39.6001031865205	-102.0524191	237005.74510550953	4361179.491469673	3940.391908314717	3724.743466508536	3635.424928743133	3634.26203079576	39.18189178	90.48172485512778
27	175	128787	-353781.1413	707237.3170250766	39.6003451201826	-102.0500602	237206.8723971505	4361169.57931532	3938.895866517803	3723.2338198505718	3632.626536744723	3631.815301023183	39.18785188138875	91.4185188138875
28	175	128788	-353121.1413	707237.3170250766	39.60058647112034	-102.0477533	237407.9987787903	4361165.448	3938.448048753435	3721.73370783623	3629.62059490574	3629.04487398071	39.1912157505721	92.689319
29	175	128789	-352461.1413	707237.3170250766	39.60082737414648	-102.0454520	237609.12490013166	4361156.25556569	3937.914530899603	3720.243398477527	3627.1676461924576	3626.799414766594	39.193739366	93.4436270705869
30	175	128790	-351801.1413	707237.3170250766	39.6010678212156	-102.0430876	237810.250761384	4361157.34497735	3937.382901322468	3718.7629251799976	3624.3349962058577	3625.359940315253	39.1942087413996	93.40663114484338
31	175	128791	-351141.1413	707237.3170250766	39.6013067204912	-102.0407547	238011.37646273834	4361153.137777425	3934.804454534066	3717.2923267463752	3621.6482190381184	3623.7003756097046	39.196440771	92.9885705067068
32	175	128792	-350481.1413	707237.3170250766	39.6015474	-102.0384218	238212.5018041435	4361149.022402777	3928.90285	3715.830716499259	3619.773190652893	3623.5116213194246	39.19875254636593	92.3143440496423
33	175	128793	-349821.1413	707237.3170250766	39.6017864670197	-102.0360889	238431.6288662412	4361149.912102685	3927.4522553027	3714.377131043051	3617.66533472169	3622.571194029265	39.197759872003	91.805396824666
34	175	128794	-349161.1413	707237.3170250766	39.6020251143907	-102.0337561	238614.715705644	4361140.802	3917.943565563845	3712.929712256113	3615.67527029143	3620.174621798265	39.197540466984	92.7550148632802
35	175	128795	-348501.1413	707237.3170250766	39.6022639297878	-102.031465	238822.9226179008	4361136.3681	3916.514981148767	3711.9235617687267	3614.948421487938	3617.948421487938	39.198421487938	91.734483462646
36	175	128796	-347841.1413	707237.3170250766	39.60250105734465	-102.0290903	239007.0005784576	4361125.58109202	3908.376424805525	3710.072393157465	3612.1774183977664	3612.674621101591	39.198982001798016	97.30261830415535
37	175	128797	-347181.1413	707237.3170250766	39.6027383529624	-102.0267574	239218.1246243637	4361128.471159229	3908.31993404602294	3708.658016402294	3610.756804770296	3610.776729197299	39.19769291799	106.478181868524
38	175	128798	-346521.1413	707237.3170250766	39.6029751979108	-102.0244245	239419.2484127556	4361124.361415611	3907.2424151016658	3609.493465683762	3607.60024425795454	3607.64085329851	39.1975412212039	105.2419712212039
39	175	128799	-345861.1413	707237.3170250766	39.60321159229755	-102.0220916	239620.3719423478	4361120.251878324	3895.481143712017	3705.840591843861	3608.709757791452	3607.7345039359827	39.19730830540923	102.07628803417843
40	175	128800	-345201.1413	707237.3170250766	39.6034457	-102.0197587	239821.49521408416	4361116.14254105	3892.503067	3704.44429294087	3608.22592796983	3605.856150799242	39.19718304066	98.5876776902145
41	175	128801	-344541.1413	707237.3170250766	39.6036839297878	-102.0174526	240022.9162779008	4361112.34030828	3889.514981148767	3703.529818981753	3607.9757423	3604.71742958332	39.197540466984	96.787321238353
42	175	128802	-343881.1413	707237.3170250766	39.60393180716616	-102.015093	240223.7400840404	4361107.934	3888.5299133866047	3701.66527	3607.474549196054	3602.900427134828	39.19820331394464	98.7569787147022
43	175	128803	-343221.1413	707237.3170250766	39.6041526638574	-102.0127601	240424.8634828694	4361103.816	3883.37054620009	3700.261414593036	3607.8812267084	3607.8812267084	39.1989231423807	101.04063276410626
44	175	128804	-342561.1413	707237.3170250766	39.604386052484	-102.0104272	240625.9857244318	4361100.7912163	3880.04588824126	3698.902334406289	3605.783910543195	3599.344875355994	39.1984238996943	104.5548647069854
45	175	128805	-341901.1413	707237.3170250766	39.6046204960388	-102.0080943	240827.107708984	4361095.598854035	3876.72131328209	3697.52892	3604.1964697466133	3589.99428234392	39.19932519805671	107.5731905
46	175	128806	-341241.1413	707237.3170250766	39.6048537622836	-102.0057614	241028.22943674013	4361091.49717694	3873.39657392889	3696.162521852916	3602.5657456114327	3591.3653007523285	39.199772110083267	104.79212110083267
47	175	128807	-340581.1413	707237.3170250766	39.605096259168	-102.0034285	241229.500979804	4361087.28740434	3870.045492567677	3694.036525761756	3584.39038341876	3584.1694000599472	39.1995405288952	110.4145252898501
48	175	128808	-339921.1413	707237.3170250766	39.6053198440257	-102.001056	241430.4721226525	4361083.27504143	3867.021144375968	3693.45944025252	3593.390440214193	3581.43063762328	39.199772110083267	111.734483462646
49	175	128809	-339261.1413	707237.3170250766	39.60555015731871	-101.9987527	241631.5802012488	4361079.16705819	3863.879071719537	3692.319369777058	3596.9733041211593	3580.965556546291	39.1995405288952	121.2778645861076
50	175	128810	-338601.1413	707237.3170250766	39.60578219096844	-101.9964298	241832.1737835337	4361075.06184535	3860.730789099419	3690.8318401428232	3593.403340355782	3581.020342469085	39.1995405288952	121.2778645861076
51	175	128811	-337941.1413	707237.3170250766	39.6060131781468	-101.9940968	242033.8342036832	4361070.95301042	3858.281690595123	3689.5275467603023	3590.969485779997	3579.659476258143	39.1995405288952	109.91280150215925
52	175	128812	-337281.1413	707237.3170250766	39.60624374172156	-101.9917369	242234.9542194643	4361066.846039373	3856.5122381500696	3687.326694151388	3587.246914945652	3577.6128530500646	39.1995405288952	110.759813652357
53	175	128813	-336621.1413	707237.3170250766	39.6064730690224	-101.989431	242436.0743578474	4361061.9373956041	3854.705403788886	3685.358805874174	3584.7809371	3576.890231924177	39.1995405288952	112.4411069153567
54	175	128814	-335961.1413	707237.3170250766	39.6067034305873	-101.9870801	242637.1493591572	4361056.633	3852.973028116503	3684.2129671319673	3584.74040836097	3570.2259575276384	39.1995405288952	115.9839802439314
55	175	128815	-335301.1413	707237.3170250766	39.6069338297878	-101.9847367	242838.26468864	4361051.9464779	3850.923484027942	3682.812007110284	3582.812007110284	3567.119461661284	39.1995405288952	121.2778645861076
56	175	128816	-334641.1413	707237.3170250766	39.607161354877	-101.9824233	243039.4326534164	4361045.42034308	3848.910281735496	3684.334045116404	3581.339363372123	3565.9558648204	39.1995405288952	121.2778645861076
57	175	128817	-333981.1413	707237.3170250766	39.6073896382604	-101.								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Logs.Kg.f	BR Elev.Logs.Kg.f	SurfElev.Kg.f	SurfElev.Bath.
133	175	128890	-279861.1413	707237.3170250766	39.3624574386613	-101.7887956	259731.45629453653	436070.307131051	3691.793082705533	35.338184071839346	3433.4126114956885	3436.356226118626	40.570596828614	97.46278871
140	175	128900	-279201.1413	707237.3170250766	39.36247665204992	-101.7864626	259932.55460040717	436076.217167413	3698.192509	35.33136310132049	3431.3908657835396	3434.3641461416945	39.82581943486932	96.981951510405
141	175	128901	-278681.1413	707237.3170250766	39.3624697516979	-101.7841296	259933.63369869228	436072.138691214	3698.58916174988	35.32890468972667	3429.718832281445	3432.68928046101	39.18121343821562	96.412186512653
142	175	128902	-277881.1413	707237.3170250766	39.36251467322568	-101.7817605	260334.7511058237	436098.04	3683.990132869184	35.325560718226916	3428.03049044631	3432.360104636842	95.5121328	94.1906133105974
143	175	128903	-277221.1413	707237.3170250766	39.36253362621757	-101.7794635	260535.8488969581	436093.950848632	3691.685756256298	35.3241580573144533	3427.3178673679727	3433.362329238503	96.8401896448068	90.79281807595044
144	175	128904	-276561.1413	707237.3170250766	39.36253642314544	-101.7771304	260736.94645540815	436096.266672293	3691.767369330115	35.32178260533929	3425.86961568975	3433.42549594818	95.2128946495408	88.35170275044822
145	175	128905	-275901.1413	707237.3170250766	39.3625913780709205	-101.7747974	260938.04377740482	436098.73903244	3707.6702113622327	35.31942842428676	3423.947827131071	3433.362329238503	95.47601529765054	88.0649915670727
146	175	128906	-275241.1413	707237.3170250766	39.3625901480888	-101.7724464	261181.131409	436098.6815782482	3716.6243941336333	35.31781498881267	3427.298382962964	3427.8022451931513	94.3281552197082	89.12719368811591
147	175	128907	-274581.1413	707237.3170250766	39.36260989	-101.7701313	261340.2371285637	436098.73903244	3716.6243941336333	35.31781498881267	3427.298382962964	3427.8022451931513	94.3281552197082	89.12719368811591
148	175	128908	-273921.1413	707237.3170250766	39.36262771521575	-101.7671783	261541.3342374414	436097.350957975	3716.6243941336333	35.31781498881267	3427.298382962964	3427.8022451931513	94.3281552197082	89.12719368811591
149	175	128909	-273261.1413	707237.3170250766	39.3626463782286	-101.7654653	261742.40370499136	436099.422403832	3716.6243941336333	35.31781498881267	3427.298382962964	3427.8022451931513	94.3281552197082	89.12719368811591
150	175	128910	-272601.1413	707237.3170250766	39.3626505336576	-101.7631322	261943.526874183	436096.330207141	3711.920997967643	35.3061769132727	3419.890525474315	3426.9149333134067	97.96674388532574	98.241377996847
151	175	128911	-271941.1413	707237.3170250766	39.362683627844355	-101.7607992	262144.6228	436096.274849697	3709.103637	35.305944743163222	3418.345667515921	3418.345667515921	97.96674388532574	98.241377996847
152	175	128912	-271281.1413	707237.3170250766	39.362702175256005	-101.7584661	262345.718428092	436096.274849697	3705.681741857897	35.30176246118817	3416.2222943935847	3416.2222943935847	97.96674388532574	98.241377996847
153	175	128913	-270621.1413	707237.3170250766	39.36272067708051	-101.7561331	262548.8136579524	436096.274849697	3702.259851	35.30176246118817	3416.2222943935847	3416.2222943935847	97.96674388532574	98.241377996847
154	175	128914	-269961.1413	707237.3170250766	39.36273913489403	-101.7538001	262747.909069174	436096.4815782482	3698.838853179261	35.3002174225955	3415.363031164046	3415.363031164046	97.96674388532574	98.241377996847
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157	175	128917	-267981.1413	707237.3170250766	39.36279423636387	-101.7468009	263351.193227698	436096.372886953	3689.215409449026	35.3002174225955	3415.363031164046	3415.363031164046	97.96674388532574	98.241377996847
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177	175	128937	-254781.1413	707237.3170250766	39.36315121461717	-101.7001397	267373.034656581	436095.0551	3652.481271	35.3002174225955	3415.363031164046	3415.363031164046	97.96674388532574	98.241377996847
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182	175	128942	-251481.1413	707237.3170250766	39.36323746241286	-101.6884744	268378.490433775	436095.046362433	3648.433585	35.3002174225955	3415.363031164046	3415.363031164046	97.96674388532574	98.241377996847

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatThLoGs.f	SatThBoth.f
265	175	129025	-196701.1413	707237.3172020766	39.364507765658416	-01.4948259	28508.6667420955	3480.196163842554	3485.8479160145976	33.014622796184	3258.015013963173	93.29561713986652
266	175	129026	-196041.1413	707237.3172020766	39.36454175529426	-01.4824284	28526.1396956957	3483.83076536381	3349.520744301687	3255.068629954587	324.706123692066	94.45164447559182
267	175	129027	-195821.1413	707237.3172020766	39.36453493336331	-01.4901592	28547.0206964267	3481.984648417238	3481.984648417238	3245.047021298215	95.58901493810696	95.58901493810696
268	175	129028	-194721.1413	707237.3172020766	39.36454177586	-01.487261	28561.27679171774	3478.655176903141	3345.70065220004	3248.846371146733	96.86315485790978	96.86315485790978
269	175	129029	-194061.1413	707237.3172020766	39.364561134735474	-01.4854929	28587.23463603813	3480.18035778939	3475.86958685611	3343.857448885261	3246.139231462525	98.22515971734654
270	175	129030	-193401.1413	707237.3172020766	39.364574364335056	-01.4831597	28607.01451769571	3471.76.29426403	3471.084336806976	3341.86826404434	3244.32750203092	97.65878404
271	175	129031	-192741.1413	707237.3172020766	39.364587548866716	-01.4808266	28624.74844524577	3460.172.23044027	3340.13487271991634	3243.364520488597	3242.186254750343	98.76703522
272	175	129032	-192081.1413	707237.3172020766	39.36460068833042	-01.4784834	28647.55309515894	3460.172.18621605	3468.37096503313	3338.306891277284	3241.1320141175524	98.17487716027154
273	175	129033	-191421.1413	707237.3172020766	39.36461978272616	-01.4761662	28667.62250576163	3460.164.1087531	3336.570315146326	3335.570315146326	3240.9101471465196	98.56753330589266
274	175	129034	-190761.1413	707237.3172020766	39.36462852053804	-01.4738271	28687.6912001228	3460.160.024171794	3463.961924752845	3334.74137252845	3240.349466461933	91.53229744121154
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276	175	129036	-189441.1413	707237.3172020766	39.36465279555024	-01.4691607	28729.82765610574	3460.5115731502	3459.063484164613	3341.31396803458	3242.591127061998	98.72274102148958
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279	175	129039	-187461.1413	707237.3172020766	39.36469140267172	-01.4621612	28783.0037050584	3460.139.73151922	3450.851725450585	3326.46404752647	3240.9354492228957	92.52320699
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283	175	129043	-184821.1413	707237.3172020766	39.36474248739348	-01.4528286	28867.298667953	3460.123.48664145	3437.483354510525	3320.59367114892	3327.468114255199	93.12566189578292
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286	175	129046	-182841.1413	707237.3172020766	39.36477995673825	-01.445829	28920.494801636	3460.111.30430593	3436.5215885290676	3316.60710345395	3322.8486520098676	92.7484513712954
287	175	129047	-182201.1413	707237.3172020766	39.36480052533426	-01.4434669	28942.6306923884	3460.082.828694976	3432.203472569953	3318.65869278877	3321.3264584471928	93.737836819872
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311	175	129071	-166341.1413	707237.3172020766	39.36507977416226	-01.3874994	294317.0816540024	3460.009.86079477	3431.0792309927815	3322.34108580997	3319.4646482623374	93.737836819872
312	175	129072	-165681.1413	707237.3172020766	39.36509931088838	-01.3851662	294518.1427309603	3460.005.80452085	3429.489914012445	3321.378751367633	3319.110719065829	93.737836819872
313	175	129073	-165021.1413	707237.3172020766	39.365110062545574	-01.382838	294719.2028	3460.019.0602639	3429.349905	3304.902408082075	3320.1851382124664	92.664732299568
314	175	129074	-164361.1413	707237.3172020766	39.3651115813386	-01.3804968	294920.2631985347	3460.097.65950241	3426.311249532	3318.085091611741	3319.4646482623374	93.737836819872
315	175	129075	-163701.1413	707237.3172020766	39.36512306053196	-01.3781668	295121.337605394	3460.093.64109797	3424.126953	3318.085091611741	3319.4646482623374	93.737836819872
316	175	129076	-163041.1413	707237.3172020766	39.36513420710356	-01.3758334	29532.3821982184	3460.099.58687368	3424.1153821758655	3318.74311285269	3320.33372752757	93.737836819872
317	175	129077	-162381.1413	707237.3172020766	39.3651							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurfLogsKrg.ft	SatHBothKrg.ft
319	175	129151	-113541.1413	707237.3170250766	39.36584249288807	-101.2008418	110401.317910235	4359686.07275605	3286.238254609637	3143.9259412090596	3096.6489569708665	3097.241399932718	47.27734423819311	46.6839412734156
392	175	129152	-112881.1413	707237.3170250766	39.3658502404083	-101.198208	110022.363120849	4359682.03099474	3285.051000408846	3141.015174840463	3093.953854367437	3094.195667459267	47.021356791529	46.8193005813636
393	175	129153	-112221.1413	707237.3170250766	39.36585712912246	-101.196173	110093.480453471	4359677.98935878	3283.98174647213	3138.109875248768	3091.046482931195	3091.046482931195	46.827203076387	47.0639232163994
394	175	129154	-111561.1413	707237.3170250766	39.36586551135265	-101.193821	110044.550284948	4359675.7939434	3282.688790904476	3135.2094861968	3087.567812223508	3087.468905714073	46.74203743961707	47.74094019027515
396	175	129155	-110901.1413	707237.3170250766	39.365873147076925	-101.191508	111025.49763851776	4359669.913955059	3281.1112122464803	3132.371188845371	3084.305968004513	3083.88090013118	46.80122084401868	48.073898354131
396	175	129156	-110241.1413	707237.3170250766	39.3658806794819	-101.1891756	111046.542610704556	4359665.87360695	3279.1392102241	3129.43265203325	3080.776759042633	3080.7362816476	46.85567298701514	49.05602403148724
397	175	129157	-109581.1413	707237.3170250766	39.36588802349016	-101.186824	111067.5863920764	4359661.83697805	3277.16720795382	3126.58719076382	3077.659198858427	3077.1471298104066	49.1407658315949	49.41055513595858
398	175	129158	-108921.1413	707237.3170250766	39.36589566474944	-101.184591	111088.6304921557	4359657.78978012	3275.1952059312	3126.81935748245	3073.650392596205	3073.460541	49.147648682474	50.23139418150506
399	175	129159	-108261.1413	707237.3170250766	39.36590308015841	-101.182175	111099.6740075665	4359653.76935878	3273.672292189163	3125.075229789163	3070.715316984527	3069.489586871195	49.125126430219797	51.2543490219797
400	175	129160	-107601.1413	707237.3170250766	39.36591045072893	-101.179829	112120.711932365	4359649.72209498	3269.552037808732	3118.055603493033	3065.767102625975	3065.41521461357	52.2804577232328	52.590354537573624
401	175	129161	-106941.1413	707237.3170250766	39.36591778	-101.1775904	112141.761688306	4359645.68539676	3266.449293310584	3116.813333325542	3061.822179262113	3061.4318370937	53.63154505842288	53.77200183945056
402	175	129162	-106281.1413	707237.3170250766	39.3659255669656	-101.1757161	112162.8050505026	4359641.68	3263.3453288112946	3112.37996434562	3058.011147472221	3057.4854712427036	54.3687170174117	54.89439319
403	175	129163	-105621.1413	707237.3170250766	39.3659322907463	-101.1728429	112183.8482315045	4359637.61789302	3260.245220845676	3109.58939701241	3054.27246259555	3053.702939211936	55.83351056584	56.8446874830511
404	175	129164	-104961.1413	707237.3170250766	39.3659394823218	-101.1705096	113014.8912288032	4359633.37581154	3257.1489964137304	3106.813437428344	3050.758674708487	3050.1391331132127	56.0547627198591	56.67430431513185
405	175	129165	-104301.1413	707237.3170250766	39.36594667219322	-101.1681764	113125.934	4359629.536971122	3254.0527179817846	3104.056022674319	3047.3329857134527	3046.739499266444	57.10352348007466	57.31052348007466
406	175	129166	-103641.1413	707237.3170250766	39.36595327175573	-101.1658413	113146.97647433	4359625.500357993	3250.95466540833	3101.3017559470386	3043.7006011892077	3043.03390991158	57.601154757740915	58.247840558909
407	175	129167	-102981.1413	707237.3170250766	39.36596078288166	-101.1635099	113168.01912317786	4359621.463924161	3248.233037603988	3098.57265466473	3040.537399011146	3039.9738478409	58.5986172682842	58.5986172682842
408	175	129168	-102321.1413	707237.3170250766	39.36596779290705	-101.1611766	113189.01613894415	4359617.42772318	3245.882411410963	3095.86540313238	3037.974285860533	3037.45562	57.8915545258484	58.408297462126126
409	175	129169	-101661.1413	707237.3170250766	39.36597475781856	-101.1588434	113420.1034735531	4359613.391702358	3243.51842679233	3093.1845264588414	3035.64365333276	3035.088928018633	57.540871125565445	58.76047367097814
410	175	129170	-101001.1413	707237.3170250766	39.36598167774056	-101.1565101	113422.1453575937	4359609.355878739	3241.18218	3090.531996196725	3033.136360461073	3032.8347461202	57.69321323522894	58.769321323522894
411	175	129171	-100341.1413	707237.3170250766	39.36598582559664	-101.1541769	113442.8187095811	4359605.32051643	3238.891232347549	3087.911905452368	3031.523190269064	3031.146808056716	56.5897511854621	56.7650973666941
412	175	129172	-99681.1413	707237.3170250766	39.36599536230266	-101.1518436	113453.22863440815	4359601.28422175	3236.618677097428	3085.2618677097428	3030.0894406602	3029.58049	56.2687690802934	56.7453662415134
413	175	129173	-99021.1413	707237.3170250766	39.3660028535556	-101.1491878	113463.9898155925	4359597.449815925	3234.63235591167	3083.777317247088	3028.1678711820296	3028.1678711820296	56.13197613073	57.071491005442
414	175	129174	-98361.1413	707237.3170250766	39.3660090557672	-101.147771	115025.311675937	4359593.21455497	3232.91365141274	3080.265313265392	3028.373570854452	3027.78403148749	58.8922401190343	58.8922401190343
415	175	129175	-97701.1413	707237.3170250766	39.3660156	-101.1448439	115226.3526162543	4359589.179712235	3230.123821347177	3077.94155704373	3027.988811611775	3027.988811611775	58.8404907262341	59.0197878387431
416	175	129176	-97041.1413	707237.3170250766	39.3660225057147	-101.1425106	115427.3907665174	4359585.14057074	3228.400640899814	3075.362367	3027.295145031586	3026.46786	58.6072245614401	48.89450166943076
417	175	129177	-96381.1413	707237.3170250766	39.3660288496114	-101.1401773	115628.437102347	4359581.110631396	3226.608105569955	3072.925168252553	3026.469789163704	3025.69092012638	46.5027726165149	47.28246680872356
418	175	129178	-95721.1413	707237.3170250766	39.36603541280134	-101.1378441	115829.47416342795	4359577.0763502	3220.811596245088	3070.31836868716	3025.194476258114	3024.606311104274	48.4311306294705	46.0217279444205
419	175	129179	-95061.1413	707237.3170250766	39.36604198	-101.135518	116039.5143648418	4359573.942324015	3218.7323653591167	3068.22197603249	3023.33663868716	3023.33663868716	48.33263897126405	48.33263897126405
420	175	129180	-94401.1413	707237.3170250766	39.36604937075057	-101.1331776	116231.15456	4359569.04866966	3216.531776	3067.074493737396	3026.1520071113	3026.04532460032	39.9118722972936	39.4701406137073
421	175	129181	-93741.1413	707237.3170250766	39.36605621812824	-101.130843	116462.594427407	4359564.974830179	3216.95221295374	3063.8646150974	3026.799561956307	3027.89896149083	30.6969955	35.8769531565578
422	175	129182	-93081.1413	707237.3170250766	39.3660612	-101.1285111	116633.6341764387	4359560.941732829	3215.93122940811	3061.703976151983	3010.17711064903	3010.77712487701	59.9260668614792	59.9260668614792
423	175	129183	-92421.1413	707237.3170250766	39.36606753481422	-101.1261778	116834.673	4359556.08112652	3222.99482075273	3059.587222302425	3007.809793219693	3006.89190989162	51.7772910546929	52.6961613108085
424	175	129184	-91761.1413	707237.3170250766	39.36607382370878	-101.1238446	117035.713059453	4359552.87509632	3220.14120367246	3057.517036293567	3005.363808049414	3005.661739109313	52.5394510755226	52.82930018
425	175	129185	-91101.1413	707237.3170250766	39.36608067532565	-101.1215113	117236.75220218424	4359550.48431785	3225.487388221362	3055.4920583193	3004.24752932891	3002.941752932891	52.12435247	52.595030906760234
426	175	129186	-90441.1413	707237.3170250766	39.3660872638556	-101.119178	117457.7913	4359549.734234015	3224.7323653591167	3053.1163824058	3004.4072825685	3003.1916711820296	51.83197613073	52.071491005442
427	175	129187	-89781.1413	707237.3170250766	39.3660924196674	-101.1168448	117638.8301586101	4359540.77704353	3222.0778982214126	3051.53539931023	3000.090378214256	3000.090378214256	51.83197613073	51.6158739
428	175	129188	-89121.1413	707237.3170250766	39.36609852591904	-101.1145115	117839.8688192182	4359536.745	3226.4902648904	3049.671221116314	2998.503524851796	2998.503524851796	51.7359274984544	51.5247325
429	175	129189	-88461.1413	707237.3170250766	39.36610459217604	-101.1121783	118040.903701694	4359532.71269148	3225.9122666781	3047.822005982815	2996.3571443566	2996.27355	51.4468243567642	51.5482511212613
430	175	129190	-87801.1413	707237.3170250766	39.3661106105936	-101.109845	118241.9456062497	4359528.68081147	3225.334459058216	3046.00664782347	2993.743787045354	2993.743787045354	52.26226916781161	52.2927567363564
431	175	129191	-87141.1413	707237.3170250766	39.3661165839817	-101.107517	118442.9837038376	4359524.649182824	3223.587087850616	3044.2782345306	2990.5180114902396	2990.5180114902396	51.987196279626	52.5394510755226
432	175	129192	-86481.1413	707237.3170250766	39.36612251231618	-101.105575	118644.4216824028	4359520.617642521	3221.480178	3042.485216185008	2988.974560232067	2988.974560232067	53.5167412013098	53.5167412013098
433	175	129193	-85821.1413	707237.3170250766	39.36612897268884	-101.103218	118846.9734268884	4359518.72329688	3220.4782329688	3040.649457	2988.124833380998	2988.124833380998	54.2004121428414	54.2004121428414
434	175	129194	-85161.1413	707237.3170250766	39.36613423159146	-101.101512	119046.0974302076	4359515.525561343	3216.786386800595	3039.10832486791	2987.299222666213	2987.299222666213	56.8061358697115	56.8061358697115
435	175	129195	-84501.1413	707237.3170250766	39.36614020687487	-101.0991787	119247.13446732826	4359513.54366632						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevLogKrg.ft	SatHtLog.ft	SatHtBoth.ft
517	175	12927	-30381.14133	707237.3170250766	-39.366461685191595	-100.9068052	337571.6205098431	4359178.660835278	307.595452873143	2427.7768265184345	2853.58941294127	2854.572302060476	88.18738252430749	88.20450645795836
518	175	12928	-29721.14133	707237.3170250766	-39.36646737392294	-100.9045189	335932.6435605058	4359174.64625858	3082.8017204371686	2841.6138843776332	2851.058459347043	2851.058459347043	90.3556427302206	89.78636437
519	175	12929	-29061.14133	707237.3170250766	-39.366467684042146	-100.9021857	336133.6676151624	4359163.811984212	3083.672771715425	2840.437681744535	2843.376921715425	2843.376921715425	97.85400811715673	97.85400811715673
520	175	12930	-28280.14133	707237.3170250766	-39.3664677055708	-100.8998504	336334.690383121	435908.47623207127	3939.23788744911127	2839.015234453167	2837.9171828	2837.9171828	101.2262529977965	101.3205909387329
521	175	12931	-27741.14133	707237.3170250766	-39.36646923655618	-100.8975171	336535.7133555567	4359162.603746603	3714.4468200441	2838.0266787300584	2835.4293209072184	2835.316465017352	102.59735782283997	102.71003371270626
522	175	12932	-27081.14133	707237.3170250766	-39.36647146547978	-100.8951838	336736.7361684893	4359185.589965328	3807.9103151528884	2836.8010043526056	2833.661058567797	2833.554576812581	103.1394576582181	103.2464175461167
523	175	12933	-26421.14133	707237.3170250766	-39.366473322322776	-100.8928055	336937.78582330246	4359154.56290189	3808.3266408616554	2835.36108419995	2832.430350652916	2832.375051855129	103.270075767079	103.2034349687043
524	175	12934	-25761.14133	707237.3170250766	-39.36647510409426	-100.8905173	337138.7813911167	4359160.562991782	3804.4219588022	2834.30259089187	2832.119465741323	2832.103944572523	102.1897933	102.2031433693395
525	175	12935	-25101.14133	707237.3170250766	-39.36647690564976	-100.888184	337339.6580564976	4359145.46797951	3808.05816074247	2834.1128136115425	2832.248181158923	2832.248181158923	102.82768692173	102.82768692173
526	175	12936	-24441.14133	707237.3170250766	-39.366478524422626	-100.885507	337540.8259	4359142.53696354	3988.674133494523	2831.768535196775	2832.4530862047	2832.45785	99.3054517653065	99.2689897
527	175	12937	-23781.14133	707237.3170250766	-39.36648017897946	-100.8833174	337741.8479	4359127.702604178915	3807.7209604178915	2830.461705953227	2832.883376405749	2832.74424205137	97.731029953771	97.7388365355682
528	175	12938	-23211.14133	707237.3170250766	-39.36648170464575	-100.8811841	337942.8697090923	4359134.511400505	3805.696350230416	2829.182069841872	2832.349863124678	2833.076273960436	98.0378316904432	98.1057952
529	175	12939	-22661.14133	707237.3170250766	-39.366483336878474	-100.8785058	3381493.8914257977	4359104.48993428	3807.67306028192	2927.8710296238687	2833.676371508196	2834.9848116620441	94.9456811567261	94.942001500342757
530	175	12940	-22101.14133	707237.3170250766	-39.36648484820636	-100.8765175	338344.3129740924	4359126.4867826365	3801.653970733442	2926.548636731197	2834.078533178227	2833.939303	92.47010319376977	92.60943354379697
531	175	12941	-21411.14133	707237.3170250766	-39.36648637449125	-100.8741843	338585.9344	4359127.474768111	3809.6166740958395	2925.2153084427187	2834.384011447144	2834.271608242464	90.8312073	90.9437020205485
532	175	12942	-20481.14133	707237.3170250766	-39.36648773569036	-100.871851	338746.9551992054	4359128.46299512	3807.56417142743	2924.1128136115425	2832.274891757116	2832.274891757116	98.21309540555	98.21309540555
533	175	12943	-19821.14133	707237.3170250766	-39.366489111817756	-100.8695177	338947.976675848	4359114.451327486	3807.512141327486	2922.5165147226417	2833.352517885347	2833.2755685262	98.1396968372866	98.3372891538794
534	175	12944	-19161.14133	707237.3170250766	-39.36649044287367	-100.8671844	339148.9975973017	4359104.439002901	3807.4509839520827	2921.1481518344333	2832.43053102341	2830.658007187224	90.71012843	90.940174143471287
535	175	12945	-18501.14133	707237.3170250766	-39.36649172885794	-100.8648511	339350.01836163824	4359106.428675272	3807.47704749322226	2919.766623225043	2826.431575044733	2826.58010246255	93.3504818	93.25781298
536	175	12946	-17841.14133	707237.3170250766	-39.36649296977077	-100.8625178	339551.0386997813	4359102.417632084	3807.444760273599	2918.31271027189	2821.014137311346	2821.1862664482625	95.3767396	97.1833842830341
537	175	12947	-17181.14133	707237.3170250766	-39.36649416561193	-100.8601846	339752.059419822	4359098.46082216	3804.118765614972	2916.96484530913	2814.85484563491	2814.898476090365	102.1150017632206	102.06637209317801
538	175	12948	-16521.14133	707237.3170250766	-39.36649531638152	-100.8578513	339953.6797184085	4359094.396	3805.727770959351	2915.54505829811	2810.1294595361842	2810.1294595361842	107.41554071811678	107.41541815500441
539	175	12949	-15861.14133	707237.3170250766	-39.3664965220736	-100.855518	340163.65992691	4359091.283576709	3805.586978339627	2914.1128136115425	2809.227718454238	2809.227718454238	97.789411585116	97.789411585116
540	175	12950	-15201.14133	707237.3170250766	-39.36649748270556	-100.8531487	340355.119844772	4359096.37468254	3805.97813540097	2912.66138929827	2795.57267133379	2794.903577937283	117.0552679644979	117.7654609524573
541	175	12951	-14541.14133	707237.3170250766	-39.36649848674403	-100.8485181	340556.1396751313	4359085.4519598	3806.875949648485	2911.2107798311448	2795.729183114148	2795.2042433941648	116.0515967169965	116.050636467834
542	175	12952	-13881.14133	707237.3170250766	-39.36649946874403	-100.8458181	340757.159305411	4359078.3555989	3807.713939470655	2909.734818627613	2799.784717112308	2799.5865321040485	109.9537764504336	110.15196620227686
543	175	12953	-13221.14133	707237.3170250766	-39.36650034315567	-100.8461848	340958.1788712103	4359078.3559977	3808.71757056225	2908.247348992394	2804.4930479207906	2804.51069483926	95.3776101760335	95.3776101760335
544	175	12954	-12561.14133	707237.3170250766	-39.36650127449573	-100.843816	341159.19823734404	4359070.336421195	3806.76543261958	2906.7334123006868	2809.442088905269	2809.607473863083	97.2913233956937	97.13266491456034
545	175	12955	-11901.14133	707237.3170250766	-39.36650210975462	-100.841518	341363.62207684	4359063.27168624	3806.63393020984	2905.196978230994	2808.443390436939	2808.443390436939	90.73387137566774	90.73387137566774
546	175	12956	-11241.14133	707237.3170250766	-39.3665030190467	-100.839185	341562.13675334	4359062.31806515	3806.60354	2904.1128136115425	2807.1849953493	2807.1849953493	84.02745074	84.02745074
547	175	12957	-10581.14133	707237.3170250766	-39.36650395406695	-100.8368517	341762.25551051134	4359058.309	3807.844562479236	2901.84446084239	2822.21078024951	2822.709446488014	78.2633199992424	79.1500147393777
548	175	12958	-9921.14133	707237.3170250766	-39.3665043514035	-100.8345184	341963.724260554	4359053.30054045	3806.362804711414	2899.8676548620997	2821.586973257947	2821.9654137223197	79.812573530502	79.70221413798002
549	175	12959	-9261.14133	707237.3170250766	-39.36650500122395	-100.8321851	342164.292857089	4359050.29025758	3804.809567342996	2897.6884425290823	2817.9282554201636	2818.026751647694	79.7816710891867	79.625707084312945
550	175	12960	-8601.14133	707237.3170250766	-39.36650506100385	-100.8298519	342365.3113001846	4359048.38770603	3805.39978724984	2895.422046585724	2813.448272414171	2813.448272414171	91.9737471155303	92.14789125195405
551	175	12961	-7941.14133	707237.3170250766	-39.36650617	-100.8275198	342566.325904494	4359042.276	3801.897185959583	2893.122421959587	2808.594621346389	2808.594621346389	94.19506891342808	94.47001266817401
552	175	12962	-7281.14133	707237.3170250766	-39.3665070393964	-100.8251853	342767.34727158454	4359032.2911481	3802.381297339627	2892.50429121285	2808.27718454238	2808.27718454238	95.5231456	95.5231456
553	175	12963	-6621.14133	707237.3170250766	-39.366507716933459	-100.822852	342967.5657122311	4359026.30608286	3808.4852189081605	2888.492503837286	2806.260293931936	2806.260293931936	98.220529918468	98.44829584816845
554	175	12964	-5961.14133	707237.3170250766	-39.3665079895861	-100.8205187	343169.383442937	4359020.2523677	3807.24199024864	2886.176414608962	2796.476143302037	2796.244020356151	90.89270068	90.9293710281183
555	175	12965	-5301.14133	707237.3170250766	-39.36650878351103	-100.8185214	343370.401226761	4359026.25477135	3806.72021783347	2884.850340187635	2792.867958324703	2792.567062336942	90.9970751842347	91.9237417676585
556	175	12966	-4641.14133	707237.3170250766	-39.36650882299187	-100.8158521	343571.4187517877	4359022.328166645	3804.16582195184	2881.56053371775	2789.1084771188375	2789.058296822414	92.70756549347107	92.70756549347107
557	175	12967	-3981.14133	707237.3170250766	-39.36650981740107	-100.813189	343772.617262657	4359021.23125222	3804.2944192481895	2789.264503306294	2785.22973991997	2785.01834399563	94.0346763833238	94.25719597067306
558	175	12968	-3321.14133	707237.3170250766	-39.36650986678808	-100.8111856	343973.453518031	4359014.23353346	3805.330623061006	2786.978503549168	2781.143205726693	2780.346279904167	95.03209744819474	95.03209744819474
559	175	12969	-2661.14133	707237.3170250766	-39.36650992391903	-100.809519	344375.474359584	4359010.21685188	3805.590458590255	2782.40014847311	2780.7160737948494	2780.7160737948494	97.1532153292394	97.1532153292394
560	175	12970	-2001.14133	707237.3170250766	-39.36650992391903	-100.805519	344375.474359584	4359010.21685188	3805.590458590255	2782.40014847311	2780.7160737948494	2780.7160737948494	97.1532153292394	97.1532153292394
561	175	12971	-1341.14133	707237.3170250766	-39.36650934432181	-100								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WdL	BRIElevLogsKrg.	BRIElevBothKrg.	SatThLocs	SatThBoth.
643	129403	52778.8586730335	707237.3170250766	39.36636532	-100.128565	361059.3890146779	4358674.3690985498	2906.569214079932	27.01.154824852755	2639.9503439892173	2651.240666440353	2611.32014386905815	52.9105181424017	
644	129404	53438.8586730335	707237.3170250766	39.3663616702885	-100.105233	361260.3899630014	4358670.37913435	2904.989947909631	27.02.1233897120183	2638.287930762976	2649.835976181083	264.7606663720913	53.1860873696531	
645	129405	54088.8586730335	707237.3170250766	39.3663602514404	-100.06819	361461.39477975126	4358666.369849454	2903.41068173178331	27.03.1816334578336	2654.7416334578336	2655.850479326895	47.0683741492324	54.1768741492324	
646	129406	54548.8586730335	707237.3170250766	39.3663543081792	-100.056567	361662.3995	4358669.3999907901	2903.84115547209	27.00.577102184305	2634.874557580624	2665.796814088999	64.7330635326709	55.1900212583158	
647	129407	55418.8586730335	707237.3170250766	39.36635055	-100.603234	361863.404005875	4358664.40692512	2898.0858122499004	2690.1269935236824	2633.2764224151583	2650.303313501386	65.85057110852404	57.7666217349681	
648	129408	56078.8586730335	707237.3170250766	39.3663473906178	-100.6011902	362064.40842014743	4358661.451284323	2895.180807929467	2697.688283515937	2632.08429313993	2662.3002307303886	65.8796530760072	58.789651205054	
649	129409	56738.8586730335	707237.3170250766	39.36634588691736	-100.5988569	362265.4127014417	4358660.4326601	2891.274832594612	2696.20873594612	2630.66408094363	2652.953081164521	65.854225989	41.2625487160291	
650	129410	57398.8586730335	707237.3170250766	39.3663389965042	-100.596236	362466.41664886825	4358656.4349671	2887.366715210097	2694.01372591093	2629.52524596177	2652.923404375623	65.1761479491594	41.7229611566967	
651	129411	58088.8586730335	707237.3170250766	39.36633595	-100.584193	362687.4268957657	4358652.454283962	2884.3651279751552	2693.1874455135	2628.32164228849	2648.596177485868	65.8540873024068	47.0683741492324	
652	129412	58718.8586730335	707237.3170250766	39.36632107	-100.591871	362898.424742559	4358638.467409451	2882.270348965454	2691.540370142926	2627.220255115293	2647.48328630908	64.420084631453	44.157838397486	
653	129413	59378.8586730335	707237.3170250766	39.3663207498734	-100.5895238	363097.428500565	4358634.47896085	2880.1755715755343	2690.09727228375	2626.8305417584575	2646.869451276142	63.2667034862796	43.2278205576122	
654	129414	60038.8586730335	707237.3170250766	39.3663229949721	-100.5871905	363270.43211989856	4358630.491021865	2878.087936457424	2688.5501005791287	2625.924271	2648.0745284716254	62.62539027	40.47552710756031	
655	129415	60698.8586730335	707237.3170250766	39.36631882737463	-100.5848572	363471.43560745957	4358626.503278243	2876.2001060417085	2685.001060417085	2625.007326426096	2649.6569008979547	61.9323334359882	37.34415953766165	
656	129416	61358.8586730335	707237.3170250766	39.36631466	-100.582524	363672.4389634534	4358622.515730002	2877.6660444242	2685.451873077706	2624.1433513217216	2648.1241592524015	61.3085269804896	35.32771905	
657	129417	62018.8586730335	707237.3170250766	39.36631044696555	-100.58017907	363873.442188059	4358618.52837658	2876.868000119858	2683.903965194535	2623.2390414251945	2648.1963764245898	60.7547826345898	36.7374981425906	
658	129418	62678.8586730335	707237.3170250766	39.36630619915415	-100.577854	364074.4452815605	4358614.54171854	2878.509377901473	2682.358173571749	2622.5370764474734	2646.128387156898	59.82114009675705	36.230132	
659	129419	63338.8586730335	707237.3170250766	39.3663018627152	-100.5755241	364275.44824408356	4358610.554262621	2874.05123245451	2880.816759	2621.383903788166	2647.366971785451	59.45267519837398	33.4990721040829	
660	129420	63998.8586730335	707237.3170250766	39.36629753831769	-100.5731909	364476.4510756305	4358606.567448342	2874.14628878191	2679.2790806161025	2620.05428138932	2645.2765525208847	31.277244605114926		
661	129421	64658.8586730335	707237.3170250766	39.3662931452964	-100.5708576	364677.4537770962	4358602.580918053	2855.373124181303	2877.7466205510203	2618.6139719712183	2643.8028921839823	59.1148918329116	33.94366871150035	
662	129422	65318.8586730335	707237.3170250766	39.36628877019561	-100.5685243	364878.4563479953	4358598.53438399	2846.03941	2676.22030693014	2617.1430030865774	2638.3275471752395	59.0770663463196	37.7273251777437	
663	129423	65978.8586730335	707237.3170250766	39.36628420428966	-100.566191	365079.4587887627	4358594.60856116	2841.167624	2674.699700373213	2615.417322719392	2635.95753241891	59.2283780521203	38.18904758260414	
664	129424	66538.8586730335	707237.3170250766	39.3662796573095	-100.563878	365280.4610599042	4358590.62288695	2840.761789080161	2673.185749878604	2614.750371057305	2636.611123894796	59.457892129671	36.57462083085924	
665	129425	67198.8586730335	707237.3170250766	39.36627512248959	-100.561519	365481.463977567	4358592.63928178	2838.526813883748	2672.6314808501	2613.7152489294	2636.23845471	59.282545471	44.4754754149809	
666	129426	67958.8586730335	707237.3170250766	39.3662705040993	-100.5591912	365682.4653	4358582.50597993	2839.94801255522	2670.17214668586	2609.755379406023	2633.805335396265	60.4165752620308	36.9680530051946	
667	129427	68618.8586730335	707237.3170250766	39.36626584064754	-100.55688	365883.46725461714	4358578.66557803	2838.666552119013	2668.202954899453	2631.691739545875	2640.463792917402	36.947813124452	36.3685130051946	
668	129428	69278.8586730335	707237.3170250766	39.36626113212427	-100.5545247	366084.4690470215	4358574.680371267	2840.9795111449384	2667.1616331565397	2606.57843430794	2636.6594614318606	60.38519881574562	40.5021772	
669	129429	69938.8586730335	707237.3170250766	39.366256178529904	-100.5521914	366285.4701720814	4358570.69535948	2841.8026817323	2665.675681470235	2605.230141034746	2618.327493959665	60.4274207484546	43.30068778358414	
670	129430	70598.8586730335	707237.3170250766	39.36625157986438	-100.5498582	366486.47274727373	4358566.7106817077	2842.6258631817077	2664.1544507213627	2604.1847562713465	2614.8110330520094	59.96969445	49.3434202701654	
671	129431	71258.8586730335	707237.3170250766	39.36624673612778	-100.547476	366691.478547676	4358562.739821282	2843.902281232076	2662.940228197963	2602.83281894	2616.92478702413	59.82845471	47.0683741492324	
672	129432	71918.8586730335	707237.3170250766	39.36624118720026	-100.5451974	366896.478335767	4358561.74140478	2842.7457069808674	2661.154503702544	2601.8866.76520458	2607.2986576321944	59.85476330496974	44.07800154125107	
673	129433	72578.8586730335	707237.3170250766	39.36623691343871	-100.5426854	367089.4781842227	4358554.75671208	2842.551315887173	2659.652997	2600.5012914882984	2616.076791069123	59.73170509	43.5762274784178	
674	129434	73238.8586730335	707237.3170250766	39.3662319448876	-100.5405251	367290.4772077043	4358550.73224708	2842.551315887173	2659.652997	2600.5012914882984	2616.076791069123	59.73170509	43.5762274784178	
675	129435	73898.8586730335	707237.3170250766	39.3662291046772	-100.5381918	367491.478102542	4358546.7893222	2841.0083059955145	2656.68896485964	2598.78632357347	2607.679125762466	59.725728986191	48.9797702349795	
676	129436	74558.8586730335	707237.3170250766	39.36622184137558	-100.5358586	367692.478696973	4358542.805673743	2840.56846896731	2655.1632062704	2596.115503076384	2604.3891444688857	60.0477013306775	50.7406115185135	
677	129437	75218.8586730335	707237.3170250766	39.36621672721423	-100.5332583	367893.4795014813	4358538.622882676	2838.00597173947	2653.68803136388	2595.2459890210117	2603.2856871610227	60.422039680676258	40.14323732358632	
678	129438	75878.8586730335	707237.3170250766	39.36621157976205	-100.531192	368094.478547676	4358534.83928178	2837.5213981187575	2652.1730811279694	2590.870151248874	2601.289254576768	60.4165752620308	36.947813124452	
679	129439	76538.8586730335	707237.3170250766	39.3662063637293	-100.528858	368295.480410302	4358530.68367272	2836.95029719969	2650.783398231567	2598.343798633612	2602.33242713124547	60.4023874969338	36.947813124452	
680	129440	77198.8586730335	707237.3170250766	39.3662011423963	-100.526525	368496.480702585	4358526.873	2832.39989630365	2649.182624699672	2596.135361559713	2608.823205096861	60.4070854370074	40.3594196028116	
681	129441	77858.8586730335	707237.3170250766	39.36619581984931	-100.5241922	368697.4808037158	4358522.89042918	2815.8339834076	2647.686324106018	2584.2146904203514	2609.74913524668	61.4720230085174	37.9374871	
682	129442	78518.8586730335	707237.3170250766	39.3661904033909	-100.521859	368898.480810938	4358518.9256533	2809.2677950511585	2646.189771907943	2582.446634254596	2614.67409961333	61.754084251475	31.51236194660479	
683	129443	79178.8586730335	707237.3170250766	39.3661850974165	-100.5195257	369099.480896212725	4358510.95267081	2807.1787570313995	2644.69155713095	2580.646813343893	2604.936890898327	61.4027336926028	39.795208302682	
684	129444	79838.8586730335	707237.3170250766	39.3661796605147	-100.5171914	369300.480474498	4358510.9345841	2806.568233986423	2643.191533249764	2578.445917814336	2603.712096017204	61.74591551	40.02602732355904	
685	129445	80498.8586730335	707237.3170250766	39.36617438134089	-100.514859	369501.480474498	4358510.9345841	2806.568233986423	2643.191533249764	2578.445917814336	2603.712096017204	61.74591551	40.02602732355904	
686	129446	81158.8586730335	707237.3170250766	39.36616975174771	-100.5125259	369702.4795815585	4358504.93909449	2804.342956110243	2642.178479274714	2600.30123843304	2600.07306181813	61.465854539	40.150054111290046	
687	129447	81818.8586730335	707237.3170250766	39.366163067447	-100.5101926	369903.478906743	4358498.998	2803.2129592385	2638.682904145077	2571.515375102592	2602.34713436512	61.76050312		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BREIElevKgr.f	BREIElevKgr.f	SurfThtLog.f	SurfThtBot.f
19	12929	-352641.1413	707897.3170250766	39.3618953695624	-102.045614	237613.24498348382	4361362.663296672	3938.3488805190796	371.035198276749	3627.121080160862	3625.905908762686	91.9321181188662	91.47128930048022	
30	12930	-351801.1413	707897.3170250766	39.36191940254529	-102.043118	237814.37063596176	4361356.551684314	3937.5519686291133	371.071567463	3624.2908581419133	3624.2212797078723	91.2695844240657	91.3636362267761	
31	12931	-347181.1413	707897.3170250766	39.36194436396616	-102.040655	238115.4961	4361354.781530398	3938.251944165933	371.05354164003	3621.7017176593033	3623.21534414003	91.4333671353333	91.82947073296868	
32	12932	-350481.1413	707897.3170250766	39.3619673585314	-102.038426	238216.6212670131	4361350.32913929	3939.3507549209376	371.064748451183	3619.905135948253	3622.7177109867722	91.7696125030314	91.97701432051068	
33	12933	-348821.1413	707897.3170250766	39.36199127	-102.0361197	238417.74613335673	4361346.218116662	3934.1493141610773	371.062403226645	3616.9414631169254	3622.2788440650947	91.6234803433057	90.986094576972	
34	12934	-349161.1413	707897.3170250766	39.36201513407164	-102.0337867	238618.0740766637	4361342.102325594	3918.9471874031375	371.0482166809776	3614.34144428357	3619.755016391395	97.7031185162066	92.09012517670255	
35	12935	-348501.1413	707897.3170250766	39.36203854859289	-102.0314538	238819.9510243948	4361337.9863434	3912.3211831159633	371.031649889114	3611.990110223087	3611.6687810209514	98.484152667845	96.782764888598	
36	12936	-347841.1413	707897.3170250766	39.3620627298174	-102.0291209	239021.1191983601	4361332.986348326	3910.2624141159623	371.02925968415573	3609.4478342409824	3609.52177728466	98.5512443657492	96.50594091309131	
51	12937	-347691.1413	707897.3170250766	39.36206969891946	-102.0267878	239222.349536379	4361328.791530398	3908.72172989713403	371.0275991713403	3607.945025206867	3607.1981250433466	99.686104185605	97.9589487	
38	12938	-346521.1413	707897.3170250766	39.36211045851722	-102.024465	239423.6631447212	4361325.66163025	3907.16536009019	371.026085002843	3605.622219305216	3599.72310243934	100.6428969372	96.5428145973545	
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59	12959	-332661.1413	707897.3170250766	39.36259712310929	-101.9754828	243646.9034403141	4361239.403	3845.405091833638	371.02782695761274	3577.3350546288107	3566.408825081593	103.9635511333164	114.8887323936809	
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71	12971	-324741.1413	707897.3170250766	39.3628674055443	-101.9474874	246050.361786473	4361190.127428967	3798.7807742748967	371.0279492428967	3556.7807742748967	3561.7807742748967	113.8181893612		
72	12972	-324081.1413	707897.3170250766	39.36288962705144	-101.945134	246261.6159904632	4361186.05565124	3792.3744918951344	371.0279591919626	3555.734715205854	3560.73493491005	114.2430320369407	110.8180048012653	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIEvgsKrg.f	BREIEvBothKrg.f	SatBothLgs.f	SatBothHt.f
154	176	129655	-269301.1413	707897.3170250766	39.364570235228115	-101.7514907	262963.927881790234	4306846.1776332747	3697.817967708555	3346.134382011332	3402.531533626108	3383.516633132006	83.6019439422413	112.61684937932597
156	176	129656	-268641.1413	707897.3170250766	39.364568628537684	-101.7491576	263154.192344132147	4306842.901221542	3694.745420271554	3403.3832286135797	3400.153786973954	337.9957172942042	90.78440358956564	115.94251252117763
157	176	129657	-267481.1413	707897.3170250766	39.36456969	-101.7468245	263355.2667979581	4306838.304621381	3691.672672635455	3411.7687618211663	3398.496830308149	332.7283150486151	107.6176921	157.31493666077006
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160	176	129660	-266001.1413	707897.3170250766	39.3646162270865	-101.7398252	263958.5682112776	4306825.18436039	3680.24717099133	3485.470583614444	3385.72450594865	3373.739857174572	151.7307264392781	151.7307264392781
161	176	129661	-265341.1413	707897.3170250766	39.364679750052725	-101.737492	264167.615669674	4306821.662154364	3675.70240292186	3483.473246062851	3381.270023366047	3308.375913956543	102.2032273680404	175.093704081754684
162	176	129662	-264681.1413	707897.3170250766	39.36467862236966	-101.7351589	264360.75469510455	4306817.576939611	3671.17570962327	3481.550873440372	3376.413737369962	3312.16210158589	151.173490780909	168.429253262863
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164	176	129664	-263361.1413	707897.3170250766	39.36473350151816	-101.7304527	264762.9402740454	4306809.407107715	3669.027575359187	3477.98251558888	3365.1689769421896	3312.16210158589	151.173490780909	168.429253262863
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173	176	129673	-257421.1413	707897.3170250766	39.36489367426446	-101.7094946	266572.737588776	4306772.65731527	3666.580043	3464.799057311346	3372.3280082021977	3372.3280082021977	91.4240901916646	91.5468687926533
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177	176	129677	-254781.1413	707897.3170250766	39.3649638749489	-101.6998163	267381.268432343	4306760.7134364	3652.70164612798	3442.5704593781957	3362.239481673564	3362.239481673564	80.43151121109031	80.43151121109031
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179	176	129679	-253461.1413	707897.3170250766	39.36499820063386	-101.6954859	267779.3028505243	4306758.15878193	3650.029445178234	3369.78948524399	3371.0751859322027	3371.611975970675	85.6546629219647	85.11786875869404
180	176	129680	-252801.1413	707897.3170250766	39.36501591	-101.6931627	267980.3913524891	4306744.07154528	3648.37428273022	3455.40753861013	3368.4926072204694	3369.042135270215	86.91428259014352	86.35400540309779
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185	176	129685	-249501.1413	707897.3170250766	39.36510166031008	-101.6814971	268985.8327581182	4306723.6720047165	3640.12488804504	3448.923561608217	3364.60115565271	3367.7068961012533	84.3224005455058	87.214882
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187	176	129687	-248181.1413	707897.3170250766	39.365136645626106	-101.6768308	269388.007227872	4306715.51339255	3627.355677272377	3446.3901761730193	3363.87189255791	3364.10121785561	82.51828361722846	82.5896339
188	176	129688	-247521.1413	707897.3170250766	39.36515257	-101.6744976	269589.094636034	4306711.41305292	3617.15706698514	3445.138977173556	3363.330673718367	3363.330673718367	81.2600780875492	81.2600780875492
189	176	129689	-246861.1413	707897.3170250766	39.36516945247537	-101.6721465	269790.18177092749	4306707.35140897	3614.968549393966	3443.8989549393966	3362.760297122436	3361.9842673527416	80.747685	80.747685
190	176	129690	-246201.1413	707897.3170250766	39.365186378749489	-101.6698163	269991.268432343	4306703.7134364	3612.70164612798	3442.5704593781957	3362.239481673564	3362.239481673564	80.43151121109031	80.43151121109031
191	176	129691	-245541.1413	707897.3170250766	39.36520307815767	-101.6674982	270192.545924554	4306699.19238085	3610.362927172526	3441.453492428849	3361.30246	3361.30246	80.43151121109031	80.43151121109031
192	176	129692	-244881.1413	707897.3170250766	39.36521982339526	-101.6651651	270393.4415489046	4306695.113161035	3607.76623328949	3440.247654540087	3360.699199907165	3361.374088410894	79.5845456	78.6735612917438
193	176	129693	-244221.1413	707897.3170250766	39.365236523572584	-101.6628319	270594.527160742	4306691.034122859	3605.17081943853	3439.05214575485	3360.184860577815	3360.815718796581	78.763781	78.763781
194	176	129694	-243561.1413	707897.3170250766	39.36525317867977	-101.6604988	270795.6122042186	4306685.95283798	3603.74675641007	3437.86626305728	3359.0881707215	3359.0881707215	78.581821796633	77.96047262764114
195	176	129695	-242901.1413	707897.3170250766	39.36526978872003	-101.6581656	270996.68	4306682.87	3601.83695429049	3436.694988739604	3358.7449969821855	3358.7449969821855	77.49399918717943	77.49399918717943
196	176	129696	-242241.1413	707897.3170250766	39.36528633933334	-101.6558325	271197.937086253	4306678.78203041	3600.5515	3435.5260814478042	3357.9952439715953	3357.9952439715953	77.53533746702895	77.53533746702895
197	176	129697	-241581.1413	707897.3170250766	39.36530387615767	-101.6535162	271399.5593784626	4306674.61917923	3600.36356402913	3434.20410122677	3356.48610471768	3356.48610471768	77.49399918717943	77.49399918717943
198	176	129698	-240921.1413	707897.3170250766	39.36532037815767	-101.6511652	271599.93784626	4306670.541619723	3600.17462316817	3432.9422967606133	3355.832935638397	3354.689248456015	77.2832611221567	77.2832611221567
199	176	129699	-240261.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRWBothK.f	SatHtKgs.f	SatHtBoth.f
281	176	129781	-186141.1413	707897.3170250766	39.36652965359466	-101.4575113	288928.23271465837	430332.857716136	3447.467275879169	3322.712754237707	3238.0888220441025	3228.7153440373995	48.6323921390456	93.9974102030751
282	176	129782	-185481.1413	707897.3170250766	39.36654234	-101.455178	288940.29537743675	430328.796371546	3444.332948764623	3321.3441325441227	3237.048406442444	3228.069599412075	84.1957279028759	92.3832543204784
283	176	129783	-184821.1413	707897.3170250766	39.36654986729175	-101.453848	288961.3652316954	430324.735225421	3441.93901468479	3319.811275761666	3235.812984148093	3229.267754648414	90.5452292323222	94.5442292323222
284	176	129784	-184161.1413	707897.3170250766	39.36657658570315	-101.450516	288982.4289274321	430320.674	3442.36540800253	3318.41269860059	3234.51077075393	3228.08056269340	93.9081727469692	89.3373607069789
285	176	129785	-183501.1413	707897.3170250766	39.3665801396007	-101.4481783	289003.48811802234	430316.61382632	3442.0986086081465	3317.0603964881465	3233.14558391364	3228.8146056428734	93.82583801678256	88.64359076527307
286	176	129786	-182841.1413	707897.3170250766	39.366582464435365	-101.4458451	289024.5639495155	430315.55277754	3315.744006290974	3317.669788633567	3227.49921602774	3227.49921602774	88.244717067176	88.244717067176
287	176	129787	-182181.1413	707897.3170250766	39.36661151	-101.4435119	289045.62657400187	430314.89252412	3439.76446116821786	3314.4869921326859	3220.246116821786	3227.211438363684	84.2228751087295	87.25744674182905
288	176	129788	-181521.1413	707897.3170250766	39.36663703	-101.4411786	289066.6599124395	430304.34269477	3438.6442781591457	3313.2363510032997	3228.6117899265505	3227.01066436196	84.625610747916	86.2259863368351
289	176	129789	-180861.1413	707897.3170250766	39.3666599451251	-101.438854	289087.7603016954	430300.37251381	3437.93901468479	3312.945166297076	3226.7553319	3224.89346524371	85.2918479	87.1513181
290	176	129790	-180201.1413	707897.3170250766	39.36668233063764	-101.436512	290008.5230534372	430296.21756895	3435.05328178083	3310.893933073053	3224.9025145372234	3222.38518	85.9914356008186	86.50877349190523
291	176	129791	-179541.1413	707897.3170250766	39.366654516545474	-101.4341789	290029.8901027519	430292.253198215	3425.543797796718	3309.7614569392718	3223.0242024946877	3221.38390530461	86.752677400356	88.41272718923013
292	176	129792	-178881.1413	707897.3170250766	39.36666545957585	-101.4318457	290050.59496381893	430288.194	3424.464504400741	3308.7013873573	3307.20178352951487	3220.84903348206	87.6993038	88.4582254886246
293	176	129793	-178221.1413	707897.3170250766	39.36667894830011	-101.4295125	290072.019878545	430284.1346703055	3423.3852180194704	3307.688977097453	3218.742563836665	3220.21853015269015	89.10487618284378	89.10487618284378
294	176	129794	-177561.1413	707897.3170250766	39.36669106657302	-101.4271792	290093.0305203507	430278.07512523	3422.30593163789017	3306.646306789017	3215.869961529453	3215.988164069262	90.67142171975481	90.67142171975481
295	176	129795	-176901.1413	707897.3170250766	39.36670319977623	-101.424848	290110.14742319551	430276.0717	3422.356004041799	3305.61955265549524	3212.6544212837284	3212.6544212837284	90.0361137173639	92.381964471156966
296	176	129796	-176241.1413	707897.3170250766	39.36671525790796	-101.4225127	291105.2109977289	430271.95830696	3422.535424376597	3304.74270973653	3209.4176914689224	3210.0376734278	94.70502333037461	94.70502333037461
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298	176	129798	-174921.1413	707897.3170250766	39.36673923896778	-101.4178463	291707.3370253966	430263.81911205	3425.89427727532	3302.602268597895	3202.4518773400923	3203.1116340411	97.105403895196978	97.105403895196978
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300	176	129800	-173601.1413	707897.3170250766	39.3667630397461	-101.4131798	292109.4640221141	430255.72609705	3426.83195475544	3301.110470156564	3194.78361046655	3194.78361046655	106.3891116217565	106.3891116217565
301	176	129801	-172941.1413	707897.3170250766	39.36677487253162	-101.4108465	292311.5267662015	430251.6682194323	3427.07593246938	3300.2247923924638	3190.856449523902	3190.468387688462	109.3683428865174	109.3683428865174
302	176	129802	-172281.1413	707897.3170250766	39.3667866024662	-101.4085133	292511.58950505265	430247.611145198	3427.3127147743717	3299.34195058768	3191.21939962082	3191.21939962082	108.1225508	108.1225508
303	176	129803	-171621.1413	707897.3170250766	39.36679845729915	-101.406181	292712.653272717	430243.952196293	3427.0031424713	3298.048823051243	3191.86923228661	3191.86923228661	107.179501156045	107.179501156045
304	176	129804	-170961.1413	707897.3170250766	39.36681100467134	-101.403868	292913.7137411574	430239.4966641	3427.048174462033	3297.55307808093	3194.74504599722	3195.094618707773	102.830253788312	102.830253788312
305	176	129805	-170301.1413	707897.3170250766	39.36682175297254	-101.4015135	293114.77026646	430235.442040846	3426.79024683544	3296.68738334315	3197.23433874585	3197.23433874585	99.45282816	99.45282816
306	176	129806	-169641.1413	707897.3170250766	39.36683336040809	-101.3991803	293315.834727367	430231.336212605	3426.53762461128	3295.795574	3198.4212761505046	3198.86050802243	97.3723970769536	96.9350641956989
307	176	129807	-168981.1413	707897.3170250766	39.366844592773716	-101.396847	293516.8989484226	430227.27326205	3426.1985377037958	3294.8973802740677	3198.4127671244833	3198.984213244578	95.951169229458	95.951169229458
308	176	129808	-168321.1413	707897.3170250766	39.36685644006936	-101.3945138	293717.9602688717	430223.217404914	3425.6169321412694	3293.941451155106	3194.053400395505	3192.3941311866147	100.9462411155555	100.9462411155555
309	176	129809	-167661.1413	707897.3170250766	39.36686791229564	-101.3921895	293919.02138817564	430219.02690123	3425.08823051243	3293.04716240348	3194.71367555765	3191.796503376536	101.179501156045	101.179501156045
310	176	129810	-167001.1413	707897.3170250766	39.3668793345077	-101.3898473	294120.02389155	430215.15920628	3424.471991176214	3291.915668739872	3191.25275016413	3191.25275016413	100.59587142439	100.59587142439
311	176	129811	-166341.1413	707897.3170250766	39.36689071253664	-101.387514	294321.1430130594	430211.10367612	3424.05621102699	3291.2047881183453	3191.561353050683	3191.464067385778	99.6165506766221	99.6165506766221
312	176	129812	-165681.1413	707897.3170250766	39.3669020855213	-101.3851808	294522.2035195006	430207.04283639	3423.577707	3290.247702201181	3192.251254	3192.187296988573	99.920239	98.0640502232554
313	176	129813	-165021.1413	707897.3170250766	39.36691335049771	-101.3828475	294723.2638267455	430202.99308798	3423.09933239681	3289.27569602758	3192.54756196351	3192.48485828256	96.72813406023488	96.72813406023488
314	176	129814	-164361.1413	707897.3170250766	39.36692459737324	-101.3805143	294924.3233246406	430192.107390138	3422.62107390138	3288.28458693004	3192.138532964197	3192.075646	96.1490261	96.1490261
315	176	129815	-163701.1413	707897.3170250766	39.36693579917867	-101.378181	295125.3836356283	430194.388391383	3422.728543222771	3287.864595569605	3190.705837701515	3190.705837701515	96.58225945261838	96.58225945261838
316	176	129816	-163041.1413	707897.3170250766	39.36694695828045	-101.375842	295326.4435327217	430190.8269013	3422.83542124713	3286.971367555765	3190.71367555765	3190.71367555765	97.4056341164024	97.4056341164024
317	176	129817	-162381.1413	707897.3170250766	39.36695860757914	-101.3735145	295527.5034049004	430186.774287135	3422.8018432842904	3285.23055636196	3189.67457348623	3185.3712682484329	93.8568199	93.8568199
318	176	129818	-161721.1413	707897.3170250766	39.36696913417412	-101.371813	295728.562416297	430182.72	3421.717576442304	3284.176631943323	3183.031105311772	3185.99578860789	101.14553041217505	101.14553041217505
319	176	129819	-161061.1413	707897.3170250766	39.36698015569854	-101.368848	295929.6214416515	430178.666079597	3408.434268043283	3283.1071390984343	3182.27468804861	3181.922692374575	100.83245104882325	101.5807608868687
320	176	129820	-160401.1413	707897.3170250766	39.366991132153586	-101.3665147	296130.6803411762	430174.761226746	3407.1723258035	3282.021003	3181.6764242355644	3181.7824371087325	94.34475881249546	94.34475881249546
321	176	129821	-159741.1413	707897.3170250766	39.36700203537395	-101.3641815	296331.7390047093	430170.55865701	3406.1481791389224	3280.91838921424	3180.158150045367	3180.3939571594771	100.76003439034528	101.0584323393363
322	176	129822	-159081.1413	707897.3170250766	39.3670124985028	-101.3618482	296532.7963535837	430166.50542523	3405.105256972038	3278.79897291259	3178.11220487699	3177.90776812174	101.68676619739629	101.68676619739629
323	176	129823	-158421.1413	707897.3170250766	39.36702391706974	-101.359514	296733.9518419674	430162.426913798	3404.082192711787	3277.68498312958	3177.011171792958	3176.913378129958	100.76003439034528	100.76003439034528
324	176	129824	-157761.1413	707897.3170250766	39.36703487276957	-101.3571817	296934.913934037	430158.39016035	3403.14761762724	3277.51837839863	3176.120316280126	3175.843935272471	101.4008724659734	101.4008724659734
325	176	129825	-157101.1413	707897.3170250766	39.36704538377823									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBothKgr.ft
407	17	12907	-102881.1413	907897.3170250766	36.36777358203655	-101.1635189	131622.06061125087	4359822.688848099	331.82329482330732	305.555266717613	3042.326310185103	3041.890804724024	57.2289653246269	57.6651819757116
408	17	12910	-102221.1413	907897.3170250766	36.36778050300808	-101.1611596	131823.10267096147	4359818.528408472	332.487232368	303.751469472877	3039.7316749472877	3039.7316749472877	57.0966114675197	57.5698147406949
409	17	12909	-102681.1413	907897.3170250766	36.36778762814078	-101.1588823	131424.1446484606	4359814.168393181	332.41728651546	303.65585282	3037.1647161300116	3037.1647161300116	57.00885878941	57.00885878941
410	17	12910	-101001.1413	907897.3170250766	36.36779434482017	-101.155159	131225.1862439084	4359810.580078781	324.451208896183	301.512474852411	3033.345618115099	3033.345618115099	56.1666574	56.3802447661519
411	17	12911	-100341.1413	907897.3170250766	36.36780132319036	-101.1541857	1314426.227575545	4359806.544271938	324.0164360936326	308.889756261235	3034.567198736436	3034.567198736436	54.7319919840493	54.7319919840493
412	17	12912	-99681.1413	907897.3170250766	36.36781053110836	-101.1518524	1314627.2608958936	4359802.50862453	323.2607380414258	303.27.784542230806	3032.34713045663025	3032.34713045663025	53.1238318337742	53.9263093479551
413	17	12913	-99021.1413	907897.3170250766	36.36781483795403	-101.1495191	1314828.31024021906	4359798.472350599	323.1847744088	308.374046678185	3031.4941691071595	3031.4941691071595	51.7897956065892	52.3310091465892
414	17	12914	-98361.1413	907897.3170250766	36.36782167772788	-101.1471858	1315029.3512096463	4359794.430830685	323.7476908113783	308.1220586137283	3031.1348158341816	3031.1348158341816	50.6584433326478	50.6584433326478
415	17	12915	-97701.1413	907897.3170250766	36.3678272429626	-101.1448524	1315220.3919980795	4359790.403819001	322.577296522242	307.738504546141	3030.685625907163	3030.685625907163	49.8425783862476	49.8425783862476
416	17	12916	-97041.1413	907897.3170250766	36.36783052206345	-101.1425191	1315431.4327	4359786.36819237	322.57.752363242	307.738504546141	3030.685625907163	3030.685625907163	48.72025537115	48.72025537115
417	17	12917	-96381.1413	907897.3170250766	36.3678416262182	-101.1401858	1315632.437127155	4359782.335705076	321.588242946976	307.738504546141	3030.685625907163	3030.685625907163	47.373007523827	47.373007523827
418	17	12918	-95721.1413	907897.3170250766	36.36784816810833	-101.1378525	1315833.5133793194	4359784.299150224	321.588242946976	307.738504546141	3030.685625907163	3030.685625907163	46.7267262837	46.7267262837
419	17	12919	-95061.1413	907897.3170250766	36.36785470052031	-101.1355192	1316034.553458864	4359782.64622771	321.588242946976	307.738504546141	3030.685625907163	3030.685625907163	45.3913788281834	45.3913788281834
420	17	12920	-94401.1413	907897.3170250766	36.36786116968561	-101.1331859	1316235.5933234299	4359780.23089272	321.2142014955937	306.955753176181	3031.303015102718	3031.303015102718	35.65273813643525	35.74146451720475
421	17	12921	-93741.1413	907897.3170250766	36.36786759413671	-101.1308526	1316436.633	4359776.197	320.7432066634726	302.9047501309803	3029.966425195922	3029.966425195922	34.7273550374591	34.7273550374591
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424	17	12924	-91761.1413	907897.3170250766	36.367886561803	-101.1238526	1317039.7510829716	4359774.09676134	321.6175168033194	302.625208110142	3016.9535113022956	3016.9535113022956	31.07133632737	31.07133632737
425	17	12925	-91101.1413	907897.3170250766	36.36789284050127	-101.1215193	1317240.790077438	4359770.60370276	321.588242946976	307.738504546141	3030.685625907163	3030.685625907163	30.05486137748285	30.05486137748285
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440	17	12940	-81201.1413	907897.3170250766	36.36798109161052	-101.0865195	1320256.353656153	4359691.597130945	319.855371298963	303.240680589626	3060.046117418466	3060.046117418466	13.3601948319604	13.3601948319604
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447	17	12947	-76581.1413	907897.3170250766	36.3680188491114	-101.0701862	1321663.6029905647	4359661.38663443	318.862372746412	328.704315325245	3056.28941734304	3056.28941734304	5.29760421764577	5.29760421764577
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451	17	12951	-73941.1413	907897.3170250766	36.36803938378045	-101.06083	1322467.7416692474	4359645.27820176	318.862372746412	328				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRElevLogKrg.f	BRElevBothKrg.f	SatHtLogKrg.f	SatHtBoth.f
532	17	130033	-1921.14133	707897.3170250766	39.368301895234296	-100.8695194	338591.99219563405	4359315.6555	3075.9196601797903	2922.205118209568	2834.178282788532	2834.20347646	280.06835421026135	87.9747191
534	176	130034	-19161.14133	707897.3170250766	39.36830322632418	-100.8671861	339153.0129107957	4359311.6454957	3072.968615740355	2831.613745925044	2831.76781720241474	89.23131678	89.07722865	87.9772365
535	176	130035	-18961.14133	707897.3170250766	39.368304512341346	-100.8648529	338554.0334696117	4359311.6454957	3071.220350698324	2919.471768911015	2835.802701589123	82.6847538096968	82.6847538096968	87.9772365
536	176	130036	-17841.14133	707897.3170250766	39.36830575	-100.8625194	339553.0387209484	4359303.62006405	3067.568114622317	2918.0657146719584	2820.7723134020734	2820.951515451758	87.7312013698501	87.7312013698501
537	176	130037	-17181.14133	707897.3170250766	39.36830694915753	-100.8601861	339756.074187182	4359299.068987848	3064.131128	2916.687323232336	2831.8657836041423	2831.94837020119867	102.8215387	102.8215387
538	176	130038	-16521.14133	707897.3170250766	39.36830809955651	-100.8578527	339957.0942095166	4359295.98889138	3060.5863743580173	2915.27700446146	2806.481059421424	2806.73481121919068	108.9087732423926	108.9087732423926
539	176	130039	-15861.14133	707897.3170250766	39.36830920582756	-100.8555194	340158.114448907	4359291.588281028	3058.655275781905	2913.8551590988727	2798.83886796661	2798.2953311659685	115.0162911391166	115.550923293423
540	176	130040	-15201.14133	707897.3170250766	39.3683102663627	-100.853186	340398.1339246534	4359287.575884208	3058.353312712192	2912.42217757959	2791.00922408706	2790.02579289257	122.3966259600835	122.3966259600835
541	176	130041	-14541.14133	707897.3170250766	39.368311281917045	-100.8508527	340621.1281917045	4359287.575884208	3058.655275781905	2910.37854982544	2790.338949	2791.633817678684	118.5382448522445	118.5382448522445
542	176	130042	-13891.14133	707897.3170250766	39.36831225242509	-100.8485194	340761.1371956898	4359275.756770705	3057.702804772252	2909.526650412533	2797.84503495683	2797.321919763527	112.1346527657362	112.1346527657362
543	176	130043	-13221.14133	707897.3170250766	39.36831317786037	-100.846186	340862.1923347034	4359275.756770705	3057.291767729736	2908.052933376785	2802.90636738752	2802.90636738752	105.0742487021027	105.0742487021027
544	176	130044	-12561.14133	707897.3170250766	39.3683140582229	-100.8435527	341163.211495345	4359271.53823465	3056.805403667504	2906.569276489609	2808.580007524283	2808.615191003222	97.9829689528064	97.9747373829667
545	176	130045	-11901.14133	707897.3170250766	39.36831488351311	-100.8415193	341364.2306015638	4359267.588281028	3055.070661610258	2905.070661610258	2814.4420734306586	2814.734202	90.33674513433793	90.33674513433793
546	176	130046	-11241.14133	707897.3170250766	39.36831568373016	-100.839186	341565.2494537403	4359263.519862023	3055.811977614304	2903.512701129956	2820.74926946142	2821.373767352386	82.80200316665341	82.775037375698
547	176	130047	-10581.14133	707897.3170250766	39.36831642887445	-100.8368526	341765.24825102273	4359263.519862023	3055.811977614304	2901.969424786733	2826.739787240688	2827.713036	72.196324548567	72.196324548567
548	176	130048	-9921.141327	707897.3170250766	39.3683172894596	-100.8345193	341967.268695913	4359255.50115889	3052.98919369463	2899.3053226433157	2825.01168	2825.73462274071	74.9184278032567	74.1776039853605
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552	176	130052	-7281.141327	707897.3170250766	39.368319478504574	-100.8251859	342771.3594189635	4359239.464	3046.046584275645	2890.640854726433	2803.8438236115608	2803.461276486226	86.022166110287	87.1844787418074
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554	176	130054	-5961.141327	707897.3170250766	39.368320362473	-100.8205192	343173.394747487	4359231.45052847	3044.34905474878	2885.991577675452	2795.5476255513034	2795.319100911556	90.671167663861	90.671167663861
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556	176	130056	-4641.141327	707897.3170250766	39.36832110689074	-100.8158525	343575.425443128	4359223.43107795	3042.52280150699	2881.35327346482	2788.1474249106345	2787.861760829297	93.210045514756	93.4965073184347
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559	176	130059	-2661.141327	707897.3170250766	39.36832185483096	-100.8088525	344178.8406	4359211.47524335	3041.846814187897	2874.408592044895	2776.284655683056	2776.05329170079	98.1843736314295	98.1843736314295
560	176	130060	-2001.141327	707897.3170250766	39.368322014129426	-100.8065192	344379.4973169591	4359207.411	3038.18483417952	2872.193433431535	2773.715174584627	2773.49757084295	98.4782787635258	98.4782787635258
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562	176	130062	-681.141327	707897.3170250766	39.3683219730084	-100.8018519	344781.53002222	4359219.3986072	3037.9893980772	2867.66057127955	2771.523707127955	2771.523707127955	96.1423461688725	96.1423461688725
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569	176	130069	3838.856730733514	707897.3170250766	39.368321418641194	-100.7850191	346186.6108459684	4359171.361758582	3010.834050551616	2852.42605514102	2771.6302873502835	2770.480174157277	80.411772117163	81.562431791463
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573	176	130073	6578.85673073351	707897.3170250766	39.36831986206799	-100.7761857	346992.7006951384	4359153.44820293	3005.95812402963	2843.18012606936	2771.01354256434	2767.853411	72.16658345	73.2567519
574	176	130074	7238.85673073351	707897.3170250766	39.36831968126	-100.7738524	347183.7156733624	4359151.34066172	3004.76138243648	2840.975437949488	2770.550873043065	2769.678953614078	71.2963787309791	71.2963787309791
575	176	130075	7898.85673073351	707897.3170250766	39.36831947467	-100.7715858	347374.425428247	4359151.34066172	3003.79747467483	2834.26244298354	2771.45474	2771.45474	70.4252874264728	70.4252874264728
576	176	130076	8558.85673073351	707897.3170250766	39.36831843140975	-100.7691857	347595.744734214	4359143.3407502	3002.7816257396	2832.50795829596	2769.678953614078	2769.678953614078	69.5123461688725	69.5123461688725
577	176	130077	9218.85673073351	707897.3170250766	39.36831782437009	-100.7668523	347796.7588427423	4359139						

ix	iy	ic	X	Y	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt.	BRIElevLogsKrt	BRIElevBothrg	SatHtLogs	SatHtBoth
59	176	13019	63338.8586730335	707987	3170250766	39.368114669405896	-00.5755198	364279.4379251357	4358811.739626928	26212915745598584	1608.1096562767384	2618.9855727688226	2648.542597912458	61.12408348991585	31.56705834280456
600	176	13016	63998.8586730335	707987	3170250766	39.368113016841011	-00.5731852	364480.4405523997	4358807.735	2647.781434913657	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
601	176	13016	64618.8586730335	707987	3170250766	39.36811667183123	-00.5668518	364881.7602370361	4358803.7602370361	2647.781434913657	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
602	176	13016	65318.8586730335	707987	3170250766	39.3681104854917	-00.5685186	364882.4545153343	4358799.77951155	2647.781434913657	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
603	176	13016	65978.8586730335	707987	3170250766	39.368070221223	-00.5661853	365083.44765181537	4358795.735	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
604	176	13016	66638.8586730335	707987	3170250766	39.36802473857956	-00.5638519	365284.4498	4358791.80703814	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
605	176	13016	67298.8586730335	707987	3170250766	39.36807900431355	-00.5615186	365485.4173428917	4358787.6211251	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
606	176	13016	67958.8586730335	707987	3170250766	39.3680321932456	-00.5591853	365686.45386197135	4358783.81634381	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
607	176	13016	68618.8586730335	707987	3170250766	39.36807676183123	-00.5568518	365887.4552298125	4358784.94981793	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
608	176	13016	69278.8586730335	707987	3170250766	39.36807309711772	-00.5545186	366088.456985544	4358785.8645973	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
609	176	13016	69938.8586730335	707987	3170250766	39.36806915001192	-00.5521853	366289.4583	4358779.87942344	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
610	176	13016	70598.8586730335	707987	3170250766	39.3680643721383	-00.5498562	366490.459675677	4358776.89477141	2645.648432347694	2678.5595546303157	2671.8912409349347	2645.648432347694	60.97813469989101	32.9107325621331
611	176	13017	71258.8586730335	707987	3170250766	39.368059513353494	-00.5475186	366691.46088224763	4358763.91	2647.388531719347	2681.828914763752	2603.2046232250336	2615.986523	59.78043219870187	34.48423921870187
612	176	13017	71918.8586730335	707987	3170250766	39.368054624420664	-00.5451853	366892.4619565037	4358759.925170296	2646.440189124644	2680.318842143505	2602.437206061089	2617.848028114358	57.8868028126152	34.22473602799177
613	176	13017	72578.8586730335	707987	3170250766	39.36804969041355	-00.542852	36703.4603202894	4358759.941	2645.492691734544	2680.318842143505	2602.437206061089	2617.848028114358	57.8868028126152	34.22473602799177
614	176	13017	73238.8586730335	707987	3170250766	39.368044711336424	-00.5405187	367294.463213613	4358751.95642387	2644.5472061089137	2679.318842143505	2602.437206061089	2617.848028114358	57.8868028126152	34.22473602799177
615	176	13017	73898.8586730335	707987	3170250766	39.368039687187085	-00.5381853	367495.4645121613	4358747.93	2644.2405407127257	2682.823999827315	2606.378307704624	2612.13963035363	59.2369156710738	34.48423921870187
616	176	13017	74558.8586730335	707987	3170250766	39.368034617965485	-00.535852	367696.4657055044	4358743.98987308	2643.3472660744232	2684.718348783047	2609.43108070379	2617.848028114358	57.8868028126152	34.22473602799177
617	176	13017	75218.8586730335	707987	3170250766	39.368029503671686	-00.5335187	367897.4651159525	4358740.005317663	2643.3472660744232	2684.718348783047	2609.43108070379	2617.848028114358	57.8868028126152	34.22473602799177
618	176	13017	75878.8586730335	707987	3170250766	39.3680243443056	-00.5311854	368098.4652620387	4358736.10133304	2642.363530352066	2681.3356303117778	2609.3539057134644	2609.43108070379	57.8868028126152	34.22473602799177
619	176	13017	76538.8586730335	707987	3170250766	39.36801913986749	-00.528852	368299.4660200245	4358732.07483261	2642.363530352066	2681.3356303117778	2609.3539057134644	2609.43108070379	57.8868028126152	34.22473602799177
620	176	13018	7718.8586730335	707987	3170250766	39.368013890537084	-00.5265187	368500.4660540325	4358728.055749401	2642.363530352066	2681.3356303117778	2609.3539057134644	2609.43108070379	57.8868028126152	34.22473602799177
621	176	13018	77838.8586730335	707987	3170250766	39.368013890537084	-00.5265187	368500.4660540325	4358728.055749401	2642.363530352066	2681.3356303117778	2609.3539057134644	2609.43108070379	57.8868028126152	34.22473602799177
622	176	13018	78518.8586730335	707987	3170250766	39.36800325611963	-00.5218512	368902.45679043835	4358720.0903445	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
623	176	13018	79178.8586730335	707987	3170250766	39.36799787139297	-00.5195187	369103.465647203	4358713.7873668	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
624	176	13018	79838.8586730335	707987	3170250766	39.36799241593555	-00.5171854	369304.460183853	4358712.12570431	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
625	176	13018	80498.8586730335	707987	3170250766	39.3679866672281	-00.5148521	369505.4644338735	4358708.17450515	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
626	176	13018	81158.8586730335	707987	3170250766	39.36798144776954	-00.5125188	369706.4647438832	4358704.11682113	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
627	176	13018	81818.8586730335	707987	3170250766	39.36797678167416	-00.5101854	369907.4647917254	4358700.18258114	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
628	176	13018	82478.8586730335	707987	3170250766	39.36797172776764	-00.5078187	370108.4647917254	4358696.1982609	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
629	176	13018	83138.8586730335	707987	3170250766	39.367966461517085	-00.5055188	370309.4606932626	4358692.21582492	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
630	176	13019	83798.8586730335	707987	3170250766	39.36795916285446	-00.5031855	370510.4596940256	4358686.23693544	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
631	176	13019	84458.8586730335	707987	3170250766	39.36795317098172	-00.5008522	370711.4584	4358684.25691482	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
632	176	13019	85118.8586730335	707987	3170250766	39.3679473060593	-00.4985188	370912.4562203845	4358680.27503869	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
633	176	13019	85778.8586730335	707987	3170250766	39.367941545158104	-00.4961853	37113.455503017	4358676.2458075	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
634	176	13019	86438.8586730335	707987	3170250766	39.3679364629323	-00.493852	37134.453541892	4358672.31417183	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
635	176	13019	87098.8586730335	707987	3170250766	39.367932973904634	-00.4915188	371515.451837922	4358664.3245093	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
636	176	13019	87758.8586730335	707987	3170250766	39.36792376832464	-00.4891856	371716.4489920405	4358664.35497727	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
637	176	13019	88418.8586730335	707987	3170250766	39.3679175264654	-00.4868522	371917.44782613707	4358663.37695577	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
638	176	13019	89078.8586730335	707987	3170250766	39.36791169183864	-00.4845189	372118.4456372876	4358662.35621628	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
639	176	13019	89738.8586730335	707987	3170250766	39.3679059585876	-00.4821856	372319.443325694	4358662.41592907	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
640	176	13020	90338.8586730335	707987	3170250766	39.3678994530017	-00.4798523	372520.440091567	4358664.43635312	2641.93322005004246	2645.365239369284	2643.272851	2606.4698041497416	61.89267876304393	38.8962921594248
641	176	13020	91038.8586730335	707987	3170250766	39.36789456781616	-00.4775187	372722.4356551437	4358664.43635312	2641.93322005004246	2645.365239369284	2643.272851	2606.46		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SurfBothKrg.ft	SatThBothKrg.ft
45	177	130285	-341901.1413	908557.3170250766	39.56408730890986	-102.0081544	240835.3414536777	3431498.204907152	3878.6344678125033	3602.645757537602	3602.642996473826	3580.3088765334505	38.40276710632608	115.73988100361142
46	177	130286	-341241.1413	908557.3170250766	39.36411063412002	-102.0508213	241036.46736713512	3431494.096267181	3876.152722155566	3601.923039159843	3601.490033455317	3574.9850560344304	38.2642051337625	115.73736645463385
47	177	130287	-340491.1413	908557.3170250766	39.3641339146772	-102.0346883	241347.58160810092	3431493.81396963	3871.774800434374	3603.478114216275	3603.4863220067963	3575.622067891132	38.4688211586983	115.7454651386939
48	177	130288	-339921.1413	908557.3170250766	39.364157149352504	-102.0011553	241438.7046125033	3431495.875681895	3868.490714105547	3602.2129216112	3598.095142657707	3577.1485177962977	38.17776933147	115.6537774881941
49	177	130289	-338601.1413	908557.3170250766	39.36418033937563	-101.9988223	241639.8251528255	3431481.7715492528	3865.210029324577	3600.970990494766	3596.1012847713905	3579.2545048022213	38.68971427808612	111.69745824725533
50	177	130290	-336261.1413	908557.3170250766	39.36420346433577	-101.9964893	241840.354437117976	3431481.7663710677	3869.75800243819654	3600.784024841013	3593.84702747704596	3579.88710293385	38.70192741364174	110.97629219071464
51	177	130291	-337941.1413	908557.3170250766	39.36422658423331	-101.9941562	242042.0645457723	3431473.556	3859.275931981658	3608.81326695851	3591.678395822053	3579.91306155895	38.96203302237622	109.3900213399196
52	177	130292	-337281.1413	908557.3170250766	39.3642496036816	-101.9918232	242243.1823828102	3431469.4488434537	3847.290013936357	3607.449003711113	3589.3182892817513	3578.01737893602	38.93966143539803	109.39866143539803
53	177	130293	-336681.1413	908557.3170250766	39.36427048494033	-101.9898492	242444.307549776	3431467.81396963	3854.22555745454	3604.478149481027	3587.835245453497	3578.01737893602	38.93966143539803	110.97629219071464
54	177	130294	-335961.1413	908557.3170250766	39.36429561354973	-101.9871572	242645.4240193874	3431461.234537105	3853.156911762739	3605.39095260647	3584.84602764177	3577.801459222834	38.93966143539803	110.97629219071464
55	177	130295	-335301.1413	908557.3170250766	39.36431853196375	-101.9848241	242846.5402664035	3431457.1252777	3851.362152589968	3604.36356292205	3582.9894604331	3568.73917257226	38.93966143539803	110.97629219071464
56	177	130296	-334641.1413	908557.3170250766	39.36434147778016	-101.9824911	243047.66177951108	3431453.02086147	3849.721347396626	3603.425117669748	3581.22565429547	3567.61435859196	38.93966143539803	110.97629219071464
57	177	130297	-333981.1413	908557.3170250766	39.364364273701075	-101.9801581	243248.7802775525	3431449.51449821	3848.080540041362	3602.5256717228153	3579.5861641174406	3560.929933146003	38.93966143539803	110.97629219071464
58	177	130298	-333321.1413	908557.3170250766	39.36438702175908	-101.977825	243449.89852187142	3431444.800	3846.4397321176903	3601.6546648382005	3577.95645903028	3567.95645903028	38.93966143539803	110.97629219071464
59	177	130299	-332661.1413	908557.3170250766	39.36440976115411	-101.975492	243651.0181177387	3431440.702178045	3844.43962890596	3600.803389301324	3576.879072169911	3569.76184352716	38.93966143539803	110.97629219071464
60	177	130300	-332001.1413	908557.3170250766	39.36443245469613	-101.973159	243852.1342776407	3431436.59632482	3842.08044277636	3600.970990494766	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
61	177	130301	-331341.1413	908557.3170250766	39.36445510475516	-101.9708259	244053.2517300515	3431432.409707395	3839.721185397646	3600.19278859746	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
62	177	130302	-330681.1413	908557.3170250766	39.36447770896101	-101.9684829	244254.3698583584	3431428.385272474	3837.36198241638	3600.3734539	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
63	177	130303	-330021.1413	908557.3170250766	39.36450028103754	-101.9661599	244455.4859342375	3431424.280031811	3835.4048411338576	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
64	177	130304	-329361.1413	908557.3170250766	39.36452278	-101.9638268	244656.6205657308	3431420.17500341	3832.78201403296	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
65	177	130305	-328701.1413	908557.3170250766	39.36454525119277	-101.9614938	244857.7191262496	3431416.01069242	3830.515157	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
66	177	130306	-328041.1413	908557.3170250766	39.36456576151564	-101.9591607	245058.6343502323	3431411.96535318	3828.2462498410065	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
67	177	130307	-327381.1413	908557.3170250766	39.36458627381094	-101.9568368	245269.64180329423	3431383.23087087	3826.296289810065	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
68	177	130308	-326721.1413	908557.3170250766	39.36461238786984	-101.9544606	245461.0671055693	3431363.75668164	3818.691944017245	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
69	177	130309	-326061.1413	908557.3170250766	39.364634637663197	-101.9521616	245662.182476103	3431339.65284918	3816.088651672219	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
70	177	130310	-325401.1413	908557.3170250766	39.36465692033157	-101.9498285	245863.2976877966	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
71	177	130311	-324741.1413	908557.3170250766	39.36467911896769	-101.9474955	246064.412644335	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
72	177	130312	-324081.1413	908557.3170250766	39.36470172524029	-101.9451624	246265.527349428	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
73	177	130313	-323421.1413	908557.3170250766	39.36472381049435	-101.9428284	246466.64180329423	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
74	177	130314	-322761.1413	908557.3170250766	39.36474591450575	-101.9404963	246667.756106038	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
75	177	130315	-322101.1413	908557.3170250766	39.36476746288751	-101.9381633	246868.8705807617	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
76	177	130316	-321441.1413	908557.3170250766	39.36478943620559	-101.9358302	247069.98379545055	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
77	177	130317	-320781.1413	908557.3170250766	39.36481136445994	-101.9334971	247271.0972104877	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
78	177	130318	-320121.1413	908557.3170250766	39.36483324765052	-101.9311641	247472.21041115685	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
79	177	130319	-319461.1413	908557.3170250766	39.36485550877729	-101.9288831	247673.3236190144	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
80	177	130320	-318801.1413	908557.3170250766	39.36487726489917	-101.926549	247874.436923446	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
81	177	130321	-318141.1413	908557.3170250766	39.364898862683921	-101.9241648	248075.54851419321	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
82	177	130322	-317481.1413	908557.3170250766	39.36492032977422	-101.9218318	248276.66071615566	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
83	177	130323	-316821.1413	908557.3170250766	39.36494198745338	-101.9194988	248477.77668384	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
84	177	130324	-316161.1413	908557.3170250766	39.36496360045246	-101.9171657	248678.884	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
85	177	130325	-315501.1413	908557.3170250766	39.36498516819549	-101.9148326	248879.9952776928	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
86	177	130326	-314841.1413	908557.3170250766	39.365006908710374	-101.9124995	249081.1070343524	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
87	177	130327	-314181.1413	908557.3170250766	39.365028648917	-101.9102468	249282.216849917	3431339.549001885	3807.487134712152	3600.775390174094073	3576.978191265323	3575.37123357929	38.93966143539803	110.97629219071464
88	177	130328	-313521.1413	908557.3170250766	39.3									

ix	iy	icat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBotKgr.f	SatHtKgr.f	SatHtBot.f
171	177	130412	-258741.1413	908557.3170250766	39.36667140515167	-01.7141836	266174.673063181	3409802.0919104697	3667.77842585819	3667.0100917073787	3351.124971039175	3352.14519672886	115.76812131560382	114.8648934639523
172	177	130412	-258081.1413	908557.3170250766	39.366689052173456	-01.7118504	266375.7663152906	3409807.084062801	3666.844379056882	3665.5465357613392	3354.789923433107	3356.776062857663	116.7504234190285	108.870473075795
173	177	130413	-257421.1413	908557.3170250766	39.36671635412783	-01.7086123	266676.8540989874	3409813.25312152	3663.910824278607	3664.291109496683	3353.59362412426	3357.59362412426	107.54529352710335	106.6497484975703
174	177	130414	-256761.1413	908557.3170250766	39.36672421111501	-01.7071841	266777.7441675172	3409816.84216393	3660.97747349016	3662.342336315533	3358.1795217400785	3359.0123871368756	110.7628471278462	103.920699579709
175	177	130415	-256101.1413	908557.3170250766	39.36674172283467	-01.7048509	266979.304748796	3409816.75931701	3658.06402	3641.599274722704	3360.688247539187	3361.082118864264	100.9304498978552	100.5141528627804
176	177	130416	-255441.1413	908557.3170250766	39.36675918958689	-01.7025177	267180.1237521191	3409816.61637167	3655.1165833765917	3460.2613156156162	3364.816886765573	3365.2849007364334	104.4442885	94.97614478170281
177	177	130417	-254781.1413	908557.3170250766	39.36677661127162	-01.7001845	267381.2311994644	3409816.5952421084	3652.187379097937	3458.9280972450947	3369.6148647872137	3370.295014578809	98.3123224578809	88.63078990532104
178	177	130418	-254121.1413	908557.3170250766	39.3667938788884	-01.6978153	267582.30241721356	3409816.511960447	3648.257694793157	3457.599447003036	3368.2384748989674	3368.571164140525	89.3609717033385	89.028268250142
179	177	130419	-253461.1413	908557.3170250766	39.36681131943854	-01.6958518	267783.3914058115	3409816.4289062485	3646.2178546504747	3366.3179285671635	3368.3179285671635	89.5934693715235	89.5934693715235	89.5934693715235
180	177	130420	-252801.1413	908557.3170250766	39.36682805502063	-01.693185	267984.4802	3409816.340544777	3644.8718101512422	3455.5680328221914	3364.353334221914	3364.353334221914	90.089696	90.6127647084705
181	177	130421	-252141.1413	908557.3170250766	39.3668454733509	-01.6908518	268185.5686948087	3409816.2641228	3642.924384802373	3453.662249453491	3364.06984038557	3363.401394078985	89.592042148397	90.2608535450581
182	177	130422	-251481.1413	908557.3170250766	39.36686304368194	-01.6885186	268386.5659956245	3409817.184948196	3640.975699257804	3452.365499257804	3364.108316637949	3363.36137649251	88.2821382963758	92.0041232736931
183	177	130423	-250821.1413	908557.3170250766	39.36688019496107	-01.6861854	268587.7451	3409817.039369367	3638.11909565129	3451.0577272174765	3363.0557435708197	3359.7840876826	88.098534665578	91.28824634050630
184	177	130424	-250161.1413	908557.3170250766	39.36689701172536	-01.6838522	268788.83291222784	3409817.0202838435	3634.350875015234	3449.7934196765673	3362.8097615400275	3363.045116410025	86.986313653982	86.7396335366474
185	177	130425	-249501.1413	908557.3170250766	39.36691432316244	-01.681519	268989.92802809685	3409816.941782813	3630.525634371232	3448.591173230083	3363.6529471531676	3363.1249352506785	84.866908	85.486470470878
186	177	130426	-248841.1413	908557.3170250766	39.3669313783217	-01.6791858	269191.007915953	3409816.81126467	3628.814433731122	3447.2534849491537	3363.74003734516	3363.308057988341	83.5294817463777	83.9454046081253
187	177	130427	-248181.1413	908557.3170250766	39.36694834940255	-01.6768528	269392.09507600113	3409816.78069495	3624.16634058896	3445.997019786007	3363.4219540972248	3363.069927545225	82.575813287393	82.92779513437563
188	177	130428	-247521.1413	908557.3170250766	39.3669657534053	-01.6745194	269593.1820084463	3409816.7	3622.638373	3444.750517323814	3363.082636412254	3363.080920024117	81.67188091	81.94951612340251
189	177	130429	-246861.1413	908557.3170250766	39.36698215621238	-01.6721862	269794.2687139442	3409816.620335667	3610.1406655404	3443.5124095517996	3362.7086811466607	3362.494349227162	80.80734860513884	81.0157032363769
190	177	130430	-246201.1413	908557.3170250766	39.36699910496107	-01.669683	269995.35919135057	3409816.540449789	3619.5824084919708	3442.284084219927	3362.401955656842	3362.401955656842	79.8852568752682	79.8852568752682
191	177	130431	-245541.1413	908557.3170250766	39.36701578275398	-01.6675198	270196.441422222	3409816.460832564	3618.098913252516	3441.073083739457	3361.325196232407	3361.938596	79.7478875	79.7478875
192	177	130432	-244881.1413	908557.3170250766	39.367032528422534	-01.6651896	270397.527465306	3409816.381375076	3616.659526564724	3439.861913520772	3359.971178322517	3360.27270719589	79.794789851536	79.794789851536
193	177	130433	-244221.1413	908557.3170250766	39.36704963213784	-01.662851	270598.613863625	3409816.3029887237	3614.429748562974	3437.98119629159	3358.29924948159	3358.29924948159	79.794789851536	79.794789851536
194	177	130434	-243561.1413	908557.3170250766	39.36706685455569	-01.6605202	270799.6983495054	3409816.22305705	3613.780953133485	3437.484301	3359.551640703745	3359.88209012673	79.794789851536	79.794789851536
195	177	130435	-242901.1413	908557.3170250766	39.36708425020156	-01.658187	271000.7841799448	3409816.14	3612.357203733965	3436.309056710405	3358.075525998702	3358.075525998702	77.5734028	77.5734028
196	177	130436	-242241.1413	908557.3170250766	39.3671000461654	-01.6558538	271201.869298645	3409816.05527608	3610.9480040432807	3435.129879195754	3357.6950375623483	3358.13636585194	77.4348613340554	76.9935133053437
197	177	130437	-241581.1413	908557.3170250766	39.36711558	-01.6535206	271402.95419223034	3409816.987064028	3608.514268496971	3433.9600979712654	3356.8304836938097	3357.259121757235	77.1044227735672	76.70178639403048
198	177	130438	-240921.1413	908557.3170250766	39.36713205604905	-01.6511874	271604.038859496	3409817.008797398	3608.13165360514	3432.795622550338	3356.7749424177886	3356.225401649489	77.0171298376978	76.5702206054939
199	177	130439	-240261.1413	908557.3170250766	39.3671484619879	-01.6488542	271805.12302521361	3409817.933072815	3606.6317979989	3431.629072504162	3354.3437115852165	3354.3437115852165	76.478918983885	76.478918983885
200	177	130440	-239601.1413	908557.3170250766	39.36716487132048	-01.6465209	272006.207519527	3409817.752099019	3605.04735635233	3430.4715240446	3353.40189078509	3353.40189078509	77.0705407	77.0705407
201	177	130441	-238941.1413	908557.3170250766	39.36718121137591	-01.6441787	272207.2951118688	3409817.65202583	3603.461120795673	3429.3168475283196	3351.74282545346	3351.203588074289	76.5994187028503	76.5994187028503
202	177	130442	-238281.1413	908557.3170250766	39.36719750637113	-01.6418455	272408.3753740075	3409817.57033384	3601.87460228992	3428.36581773067	3347.80843482743	3347.80843482743	76.3573643905922	76.3573643905922
203	177	130443	-237621.1413	908557.3170250766	39.3672137628995	-01.6395213	272609.4582296647	3409817.52045647	3601.5587190122333	3427.002380502356	3344.8425314270626	3344.547636126273	81.2780662497302	81.2780662497302
204	177	130444	-236961.1413	908557.3170250766	39.367229961140374	-01.6371881	272810.54224121035	3409817.434398618	3600.5147340963817	3425.877285521024	3341.958314938714	3342.61941027862	83.9196761625099	83.9196761625099
205	177	130445	-236301.1413	908557.3170250766	39.36724612052246	-01.6348548	273013.6255384394	3409818.36627408	3600.4862229125306	3424.738422688247	3338.9604746744044	3338.9604746744044	85.0483130225226	85.0483130225226
206	177	130446	-235641.1413	908557.3170250766	39.367262235607184	-01.6325127	273212.7082056714	3409818.209872237	3600.4212974856294	3423.98119629159	3352.29924948159	3352.29924948159	85.471764933872	85.471764933872
207	177	130447	-234981.1413	908557.3170250766	39.3672783052813	-01.6301884	273413.7095338633	3409818.31382697	3600.68436965804	3422.6773271324	3342.27074632779	3342.27074632779	85.1966979285432	85.1966979285432
208	177	130448	-234321.1413	908557.3170250766	39.3672943295812	-01.6278552	273614.67327113915	3409818.317114582	3600.47474728103	3421.333155794382	3342.69264232533	3342.69264232533	86.6410931648474	86.6410931648474
209	177	130449	-233661.1413	908557.3170250766	39.3673103036637	-01.6255522	273815.955473863	3409818.06102408	3600.8485511576503	3420.197460287559	3331.673430131444	3332.4252106904175	86.7704250058973	86.7704250058973
210	177	130450	-233001.1413	908557.3170250766	39.367326243806076	-01.6231888	274017.0375	3409818.06228295	3600.43257457720024	3419.061308015897	3330.81611105614	3330.81611105614	86.2440208759782	86.2440208759782
211	177	130451	-232341.1413	908557.3170250766	39.36734231137726	-01.6208556	274218.11928084036	3409818.909497055	3601.1122480167802	3417.92020423765437	3330.425623765437	3333.519121704637	87.5954901857013	84.4000920908005
212	177	130452	-231681.1413	908557.3170250766	39.36735797377905	-01.6185223	274419.207404546	3409818.434018418	3598.91139840716	3416.77814604021	3330.13585245903	3331.789732	86.6419626909845	86.6419626909845
213	177	130453	-231021.1413	908557.3170250766	39.36737361137137	-01.6162851	274620.61406951	3409818.35856282	3598.043562856282	3415.7894921799999	3329.434398921174	3329.434398921174	87.0892714485909	87.0892714485909
214	177	130454	-230361.1413	908557.3170250766	39.36738953087985	-01.6139251	274821.3631	3409818.6367581	3597.05585400003	3414.48707294238306	3329.33553769073	3329.33553769073	86.4954708939629	79.094181032983
215	177	130455	-229701.1413	908557.3170250766	39.36740523									

ix	ir	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SurAtkHm	SurAtkBoth.ft
297	177	13037	-175881.1413	908557.3170250766	39.36854001449927	-101.4201949	910150.33903536206	4304669.145913359	3202.077991185839	3202.723491477489	3203.269010967481	3203.8986021211912	954448051	98.62486935670795
298	177	13038	-174821.1413	908557.3170250766	39.36855196279096	-101.4178616	911711.402185407	4304605.08751414	3148.906752817957	3149.301203996517	3149.894374174028	3149.4024260426292	91.90363557911421	101.3591435702551
299	177	13039	-174261.1413	908557.3170250766	39.36856346991144	-101.4126283	913192.4681311179	4304611.02834671	3212.323029255448	3212.323029255448	3196.321681263846	3196.321681263846	104.564377883678	104.2264778594939
300	177	13040	-173601.1413	908557.3170250766	39.368557578418599	-101.4131195	913211.5278719955	4304608.931739291	3198.9938194207925	3199.986208496347	3192.865208496347	3192.865208496347	107.126105711758	107.3397685707005
301	177	13041	-172941.1413	908557.3170250766	39.36856871727306	-101.4108617	923214.5904484305	4304642.913615657	3217.8730321480775	3219.1021728910437	3189.514214115697	3189.034592	108.58796147534667	110.0675804477385
302	177	13042	-172281.1413	908557.3170250766	39.36856950428916	-101.4085284	92325.155270478434	4304648.856037318	3217.69798075431	3218.243594123236	3189.392674609025	3188.843535454025	109.370653429667	109.370653429667
303	177	13043	-171621.1413	908557.3170250766	39.368611148234265	-101.4061951	92327.7164869104	4304644.798657927	3217.9032703333638	3219.327636827044	3190.0627493745079	3189.392674609025	107.26491451269749	107.92827123516996
304	177	13044	-170961.1413	908557.3170250766	39.36862284610366	-101.403818	92329.717693483	4304640.741476313	3217.2894480217788	3219.3030341466102	3191.269054168379	3190.7260329113634	105.1709772972266	105.1709772972266
305	177	13045	-170301.1413	908557.3170250766	39.3686346691144	-101.4015285	92331.99003223123	4304632.86710053	3216.8190399999	3216.8190399999	3194.19231875012	3194.19231875012	101.32892394806278	101.32892394806278
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307	177	13047	-168981.1413	908557.3170250766	39.36865769303438	-101.3968619	92332.6017124392	4304630.8571124392	3216.750089478224	3216.750089478224	3194.19231875012	3194.19231875012	95.32439310983118	95.32439310983118
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314	177	13054	-164361.1413	908557.3170250766	39.3687373459387	-101.3805287	92332.28487661722	4304600.180581438	3218.93089364581	3218.93089364581	3185.625773301524	3185.625773301524	91.51568059872307	91.51568059872307
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317	177	13057	-162381.1413	908557.3170250766	39.3687681699976	-101.3735288	92332.3163265798	4304603.06182255	3216.9429767004376	3218.3030634517	3172.663743380715	3171.6648330493396	112.25616249327873	112.25616249327873
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319	177	13059	-161061.1413	908557.3170250766	39.3687942056827	-101.368929	92332.331994013	4304603.06182255	3217.5907390703176	3218.3030634517	3172.663743380715	3171.6648330493396	124.2264778594939	124.2264778594939
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325	177	13065	-157101.1413	908557.3170250766	39.36885890002257	-101.3548623	92332.391403600522	4304603.06182255	3217.5907390703176	3218.3030634517	3172.663743380715	3171.6648330493396	161.7099245172257	161.7099245172257
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
421	177	130693	-92421.14133	908557.3170250766	39.96993080440015	-101.1261941	116842.750240484	4359959.351952804	3213.0202241508014	3061.239091807804	3016.325690469638	3015.744185300154	49.3140137324297	45.49409560909956
424	177	130694	-91761.14133	908557.3170250766	39.96993095505855	-101.1263907	117043.78646242736	4359959.3191	3215.33845365957	3059.133218753504	3012.3727173001707	3011.7927218734185	46.70445751933275	47.33404680808554
425	177	130695	-91101.14133	908557.3170250766	39.96975613786894	-101.125273	117244.6248629585	4359951.283193995	3215.6668131214	3057.915465384223	3009.44082116091	3008.956852509183	47.63132422323296	48.11472718240414
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427	177	130697	-89781.14133	908557.3170250766	39.96971796684805	-101.1168606	117646.905059757	4359943.219	3221.491565196215	3053.0738080410138	3005.0330280138382	3004.7584994452485	48.0485282717551	48.31538138852875
428	177	130698	-89121.14133	908557.3170250766	39.969724057578234	-101.1145272	117847.9433	4359939.186837261	3221.696989956195	3051.1366385047388	3002.9125968174394	3002.6078464374597	48.22402762913996	48.4731213328144
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430	177	130700	-87801.14133	908557.3170250766	39.96973615841569	-101.1098604	118280.9102681057	4359931.12173963	3223.3221368416504	3047.383975967596	2996.632848015288	2996.77402895178	50.05112796250916	50.6094782309826
431	177	130671	-87941.14133	908557.3170250766	39.969744152119704	-101.107821	118465.1857	4359927.0901381085	3223.1666681314	3045.58901416267402	2993.44082116091	2992.6232257591936	52.96989170467059	53.8448106760359
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433	177	130673	-85821.14133	908557.3170250766	39.96975344308236	-101.1028603	118853.1318771684	4359919.02659445	3219.701568923604	3042.061094653792	2983.235264236705	2983.164582145777	58.01805422658576	58.8815412580155
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435	177	130675	-84501.14133	908557.3170250766	39.96976557620398	-101.0981395	119255.206040957	4359910.964	3215.579627345804	3038.665131268709	2972.7016889217534	2972.5768022997436	65.6252423496552	66.0883298969547
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438	177	130678	-82521.14133	908557.3170250766	39.9697826599566	-101.0911934	119858.316189127	4359898.741181334	3206.304521057935	3033.826435274374	2960.954670451231	2960.772009303284	72.87176482314453	73.0543443404697
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441	177	130681	-80541.14133	908557.3170250766	39.96979930913322	-101.0841933	120461.42439117143	4359886.70642615	3196.729534802114	3029.248278788952	2955.334784578508	2955.2754871433033	73.90908002108745	73.9673947
442	177	130682	-79881.14133	908557.3170250766	39.96980486803253	-101.0818599	120662.6401637571	4359882.75071787	3193.57178268211	3027.774562742265	2951.3816635917344	2951.16014204848	76.3299915513046	76.5144253756796
443	177	130683	-79221.14133	908557.3170250766	39.96981030857814	-101.0795265	120863.949671016	4359878.721112907	3191.4600594351292	3026.36828419707	2949.2304251303417	2949.097306947566	77.10640328936552	77.3370972490508
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446	177	130686	-77241.14133	908557.3170250766	39.96982932883934	-101.0725254	121466.0150737395	4359863.63298357	3187.74690696958	3012.2035973711303	2939.800016	2939.87033106190606	82.9355814775036	83.2035582161972
447	177	130687	-76581.14133	908557.3170250766	39.96983518142602	-101.070193	121667.634020171	4359862.6041575	3186.17569898634	3010.8354026787	2937.8541026787	2937.8541026787	84.5482178922638	84.54961962207534
448	177	130688	-75921.14133	908557.3170250766	39.96983678888476	-101.0675896	121868.6171238825	4359858.57542148	3184.93514026787	3010.590223929285	2932.637569594202	2932.614058639707	86.9526543027939	87.174160565774
449	177	130689	-75261.14133	908557.3170250766	39.96984195127016	-101.0655262	122069.7057	4359854.572406065	3183.62312565384	3008.3212565384	2928.663527453438	2928.663527453438	89.6598920045759	90.0364044351972
450	177	130690	-74601.14133	908557.3170250766	39.9698470685221	-101.0631928	122270.740250971	4359850.51897534	3181.45402687107	3010.0870315131718	2925.226802711368	2924.487563525991	91.8139281890357	92.5931677987855
451	177	130691	-73941.14133	908557.3170250766	39.96985214082087	-101.0608258	122471.7255279534	4359846.96897805	3179.8196123857102	3007.9495193389851	2923.0467123857102	2923.0467123857102	94.5482172981571	94.5482172981571
452	177	130692	-73281.14133	908557.3170250766	39.96985771996118	-101.058582	122678.9026281926	4359842.94067113	3178.3207813442953	3006.8142953	2921.04772223683747	2921.04772223683747	97.84573757501	98.1197230329097
453	177	130693	-72621.14133	908557.3170250766	39.96986215007868	-101.0561927	122873.8421442396	4359838.345305029	3176.33420510481	3005.67145386955	2924.284782072643	2924.0986860460304	71.1983735611918	71.38474338
454	177	130694	-71961.14133	908557.3170250766	39.9698670709662	-101.0538593	123074.8752465749	4359834.40780955	3174.3212483102761	3002.123388	2947.601799847154	2947.601799847154	73.627305855634	73.627305855634
455	177	130695	-71301.14133	908557.3170250766	39.96987197904175	-101.0515259	123275.903531137	4359830.38051314	3173.848299004576	3001.13805852465	2947.623268403913	2947.623268403913	76.45973748552005	76.45973748552005
456	177	130696	-70641.14133	908557.3170250766	39.969876825913465	-101.0491925	123476.4627299626	4359826.33410483	3172.949533095978	3000.058429	2950.354138120774	2950.020237116465	79.294010606241	79.294010606241
457	177	130697	-69981.14133	908557.3170250766	39.96988162771175	-101.0468891	123677.9753650933	4359822.327	3172.898498185781	3008.94795660168	2950.26126289155	2949.9028691226	86.86867330170241	86.86867330170241
458	177	130698	-69321.14133	908557.3170250766	39.96988634243662	-101.0445248	123879.098319026	4359818.298006132	3172.84951303145	3007.9495193389851	2947.601799847154	2947.601799847154	89.6526543027939	89.6526543027939
459	177	130699	-68661.14133	908557.3170250766	39.9698910960397	-101.0421924	124080.0417531859	4359812.472389453	3170.96226699946	3006.9495193389851	2946.858091328466	2945.913304081296	90.9505046697936	91.25492281852165
460	177	130700	-68001.14133	908557.3170250766	39.9698957626631	-101.039859	124281.0740282614	4359810.247	3170.09679592417	3005.67145386955	2946.738959332335	2946.454459813676	93.575899345206	93.575899345206
461	177	130701	-67341.14133	908557.3170250766	39.96990038417282	-101.0375256	124482.1068801896	4359806.220863057	3169.87870290429	3004.562152006315	2946.0040624784	2945.62314827355	95.9634735584705	95.9634735584705
462	177	130702	-66681.14133	908557.3170250766	39.9699049606383	-101.0351922	124683.1917686833	4359802.195	3168.298150466605	3003.522416233646	2941.463841079038	2941.463841079038	98.0585454427078	98.0585454427078
463	177	130703	-66021.14133	908557.3170250766	39.96990949	-101.0328588	124884.1713228131	4359798.19225616	3168.249134	3002.45450334623	2939.832650500203	2939.832650500203	100.6160925	100.6160925
464	177	130704	-65361.14133	908557.3170250766	39.96991397824457	-101.0305254	125085.2035	4359794.14307734	3167.653104850937	3001.391241917584	2939.950197	2939.912695215324	101.473417258247	101.473417258247
465	177	130705	-64701.14133	908557.3170250766	39.96991897819768	-101.028282	125286.0983191726	4359790.18377064	3166.629123857102	3000.819337102	2938.734817289672	2938.734817289672	104.783717289672	104.783717289672
466	177	130706	-64041.14133	908557.3170250766	39.96992215593135	-101.0258587	125487.2670534885	4359786.03248902	3165.031132723912	2999.273310730762	2937.812876153194	2937.812876153194	107.856022922369	107.856022922369
467	177													

ix	iy	icr	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLog.ft	SurfBoth.ft
547	177	13079	-3861.141327	908557.3170250766	39.37013056809666	-100.8321868	342172.317477715	4359452.694219188	305.6725283603931	2897.396464598054	2817.289277292901	2817.5599277489016	70.80178662690442	79.83649180009379
550	177	13079	-3861.141327	908557.3170250766	39.370131178038264	-100.8296354	342373.335059084	4359448.685626198	3045.6894320090844	2895.0727175214083	2811.174447	2811.7523717507873	83.296230943495034	83.32036939956326
551	177	13079	-3841.141327	908557.3170250766	39.3701174296098	-100.82576	342874.3538862559	4359444.677229795	3048.7440802891757	2892.7443518789375	2808.9710343880971	2806.643518789375	85.7323043880971	85.76007889243682
552	177	13079	-7281.141327	908557.3170250766	39.3703262699755	-100.8251866	342775.311149553	4359400.669209968	3042.29759742048	2890.45119628098	2802.561274246447	2802.12863940808	87.85414540046031	88.2871559
553	177	13079	-6621.141327	908557.3170250766	39.3703273411965	-100.8228532	342976.3868484193	4359436.361626152	3042.34643149233	2888.087347394317	2798.591727935345	2798.137084749969	89.4908194598687	89.5066255
554	177	13079	-4641.141327	908557.3170250766	39.370313706563	-100.8205198	343177.4061094132	4359410.2613290805	3041.4001187442617	2887.3620622146157	2794.506186257206	2794.296651414551	90.257109644851	91.0614547023737
555	177	13079	-5031.141327	908557.3170250766	39.3703335	-100.8181864	343378.4233871457	4359436.65408466	3041.24694844444	2883.422335239483	2791.008598001565	2789.691128820438	92.4364627319121	92.47220641004544
556	177	13079	-4641.141327	908557.3170250766	39.37031381135865	-100.815863	343470.40449484205	4359424.63194302	3041.879938	2881.1271700311683	2787.34756996016	2787.1273140519643	94.0027364635202	94.027364635202
557	177	13079	-3861.141327	908557.3170250766	39.37013159186	-100.827618	343784.45745894337	4359420.638976198	3042.5102675271	2889.81863491518	2789.8569402107867	2783.56718501633	95.1192880879312	95.1192880879312
558	177	13079	-3231.141327	908557.3170250766	39.37013443910455	-100.811852	343981.472728194	4359416.623955284	3042.765818453	2876.5171201	2790.2561328389935	2790.048165202975	96.21018234692	96.222348134104
559	177	13079	-2661.141327	908557.3170250766	39.3703436918689	-100.8088528	344182.409063345314	4359412.617130416	3042.27698412518	2874.2231525941825	2776.940037423981	2776.79439394706175	97.28311517002165	97.4282132
560	177	13080	-2001.141327	908557.3170250766	39.37013498138034	-100.8065193	344383.50744505133	4359408.610501962	3038.77116942111	2871.3365200169623	2774.509587729263	2774.3325347073655	97.42639329	97.6038953096974
561	177	130801	-1341.141327	908557.3170250766	39.37013725189304	-100.8041859	344584.5230851816	4359404.604009194	3037.65189480272	2869.657090121232	2772.813881017306	2772.695152254413	96.9625749881785	96.9625749881785
562	177	130802	-681.1413269	908557.3170250766	39.37013498157268	-100.8018525	344765.50410315173	4359400.597834262	3034.859460114324	2867.384243614751	2771.5609446964545	2771.331266957314	95.82348791830568	95.95129691901366
563	177	130803	-211.14132693	908557.3170250766	39.3701500555347	-100.7995191	344886.5569711755	4359399.991795022	3035.95901939364	2865.9119607236196	2770.539662334526	2770.465841671532	94.58649838995436	94.67119596
564	177	130804	328.858673073351	908557.3170250766	39.37013498446033	-100.7971857	345187.5171978795	4359392.5859215	3028.6666636215	2862.26227266116	2769.915010357167	2769.600656714038	92.470253303393	92.470253027743
565	177	130805	1298.858673073351	908557.3170250766	39.37013491829329	-100.7948253	345388.5877	4359398.58050613	3022.024387772784	2860.621198943234	2769.601587616868	2769.2609847809495	91.01061132365396	91.2511421628458
566	177	130806	1598.858673073351	908557.3170250766	39.37013480705233	-100.7925189	345589.6033455314	4359384.574854658	3017.38023990525	2858.36400627595	2769.6192505692255	2769.1380003691785	88.74565006	89.2296025784277
567	177	130807	2618.858673073351	908557.3170250766	39.3701346607349	-100.7901855	345790.61880113755	4359380.596901678	3014.23595049242	2856.119938007721	2769.7101731478992	2769.0840913759157	87.0358743	87.0358743
568	177	130808	3278.858673073351	908557.3170250766	39.37013445934866	-100.7878521	345991.6341	4359376.54544232	3012.5903262732988	2853.876361	2769.7065246479003	2768.856906413704	86.14970861175969	86.14970861175969
569	177	130809	3988.858673073351	908557.3170250766	39.37013420288956	-100.7855187	346192.6496772245	4359372.599893125	3010.944774777073	2853.6332972590282	2769.436414481635	2769.4371482340326	83.22576120481381	83.22576120481381
570	177	130810	4598.858673073351	908557.3170250766	39.37013391345958	-100.7831963	346393.6647713487	4359368.505018347	3009.289186918477	2849.3901916313293	2768.202520421872	2767.859810344386	81.531710645333	81.531710645333
571	177	130811	5183.858673073351	908557.3170250766	39.3701337472882	-100.7807618	346594.6791375669	4359364.578409514	3008.49681409616	2848.1604498054	2767.9123893387	2767.9123893387	79.83649180009379	79.83649180009379
572	177	130812	5918.858673073351	908557.3170250766	39.3701333603907	-100.7785185	346795.693492177	4359360.542770141	3005.152854629756	2844.9071525487684	2768.7456140132904	2768.7456140132904	76.1615383547803	76.1615383547803
573	177	130813	6578.858673073351	908557.3170250766	39.37013310264674	-100.7761851	346996.7084120813	4359356.522770011	3001.8189645636245	2842.631762799703	2768.59853634488	2768.59853634488	74.7117791652101	74.7117791652101
574	177	130814	7238.858673073351	908557.3170250766	39.37013224463815	-100.7738517	347197.72280720895	4359352.538222653	3000.27465044129	2840.44489986095	2768.29566217492	2768.29566217492	72.1463336450311	72.1463336450311
575	177	130815	7988.858673073351	908557.3170250766	39.3701317755766	-100.7715183	347398.3709358904	4359348.54369089	3001.978151216536	2838.23077833027	2768.1226984174626	2768.1226984174626	70.10788914198266	70.10788914198266
576	177	130816	8558.858673073351	908557.3170250766	39.37013115571765	-100.7691849	347599.7512121956	4359344.31152107	3001.0368523005286	2836.037350534246	2767.988286868943	2767.988286868943	68.05306219	68.05306219
577	177	130817	9188.858673073351	908557.3170250766	39.37013068523624	-100.766815	347800.758207957	4359340.578813878	3000.95688394684	2835.04289214559	2767.91813980414	2767.91813980414	66.044574780857	66.044574780857
578	177	130818	9678.858673073351	908557.3170250766	39.37013047095725	-100.7645181	348001.7790636254	4359340.76478932	3000.715425	2833.696244013971	2767.90485096013	2767.90485096013	63.626758932174	63.626758932174
579	177	130819	10538.858673073351	908557.3170250766	39.370129591397	-100.7621847	348202.796823397	4359332.51968725	3000.44371100533	2829.5503076236173	2767.860780205843	2768.751092734945	61.78122941774728	61.78122941774728
580	177	130820	11198.858673073351	908557.3170250766	39.37012851691834	-100.7598513	348403.8062111691	4359328.91967766	3000.23026883773	2827.411402783933	2767.854128273333	2767.854128273333	59.55723451560597	59.55723451560597
581	177	130821	11858.858673073351	908557.3170250766	39.3701275687336	-100.7575179	348604.8189360784	4359324.516661037	3000.4814374762214	2825.272857075853	2767.978750111441	2767.978750111441	57.24210696114428	57.24210696114428
582	177	130822	12518.858673073351	908557.3170250766	39.37012689714526	-100.7551485	348805.8320655265	4359320.514351354	3000.1005066040654	2823.127129673459	2767.932084367115	2767.932084367115	55.19392132786781	55.19392132786781
583	177	130823	13178.858673073351	908557.3170250766	39.3701260196194	-100.7528511	349008.8495165244	4359316.512	2999.292784343514	2820.968634017254	2768.7103405212828	2768.7103405212828	53.79792895023815	53.79792895023815
584	177	130824	13838.858673073351	908557.3170250766	39.37012507017282	-100.7505177	349209.8589257	4359312.510211691	2998.35498214559	2819.79421572968	2768.4289262217	2768.4289262217	51.6463182017563	51.6463182017563
585	177	130825	14498.858673073351	908557.3170250766	39.37012481349146	-100.7481843	349409.8716555161	4359308.508002292	2998.0334085607	2816.802473859335	2768.688046515906	2768.1188793218416	49.7142710270728	49.7142710270728
586	177	130826	15158.858673073351	908557.3170250766	39.37012316711239	-100.7458509	349609.848035363	4359304.507507602	2993.48986958655	2814.391367968762	2768.114325077192	2768.114325077192	47.270024989568	47.270024989568
587	177	130827	15818.858673073351	908557.3170250766	39.37012205891494	-100.7435175	349810.896810941	4359300.50574079	2991.7020883756604	2812.162277623575	2768.120964807901	2768.120964807901	45.03413131	45.03413131
588	177	130828	16478.858673073351	908557.3170250766	39.37012096552005	-100.7411841	350011.902695588	4359296.504671276	2990.9157047861445	2808.80186741652	2768.80186741652	2768.80186741652	43.051804429652	43.051804429652
589	177	130829	17138.858673073351	908557.3170250766	39.370118011131	-100.7388607	350212.9248143183	4359292.504	2988.42503639806	2807.6527588978367	2767.931321	2767.931321	40.955428989217	40.955428989217
590	177	130830	17798.858673073351	908557.3170250766	39.37011869	-100.7365173	350413.93352187	4359290.50236901	2988.786510276552	2805.37078732294	2768.42958564244	2768.42958564244	39.846111098347	39.846111098347
591	177	130831	18388.858673073351	908557.3170250766	39.370117371092814	-100.7342815	350615.93352187	4359288.50236901	2988.786510276552	2805.37078732294	2768.42958564244	2768.42958564244	38.734295811456	38.734295811456
592	177	130832	19118.858673073351	908557.3170250766	39.37011692	-100.7318053	350815.95172553022	4359280.50240511	2988.71571083215	2804.7040				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
675	177	130915	73898.85867307335	905857.3170250766	39.96885246423535	-100.5381788	367499.4510544168	4358949.156055447	2843.959802038737	2596.137511304364	2596.137511304364	2613.7696252989854	58.74044982406508	41.24709674673485
676	177	130916	74558.85867307335	905857.3170250766	39.9684734848296	-100.5358478	367400.45145414	4358945.127152066	2840.15445569788	2653.511571787635	2594.227322293015	2611.384869103296	59.2843395835135	42.12675188
677	177	130917	75218.85867307335	905857.3170250766	39.968423045966	-100.5336121	367361.4514646878	4358941.184440033	2837.27108910036	2643.073046601817	2593.1729467174781	2596.4917160901346	58.754411748610684	42.5389471018414
678	177	130918	75878.85867307335	905857.3170250766	39.9683712096207	-100.5317847	367312.4517861205	4358937.2040431429	2832.426738318904	2650.5247289891603	2589.9400795176343	2627.084717632646	58.83574948	23.400012143949676
679	177	130919	76538.85867307335	905857.3170250766	39.96831916390036	-100.5288453	368303.4517268045	4358933.221614716	2828.23228676217	2649.033469172127	2587.628122440877	2626.014817311507	61.4053473006444	23.018651740571384
680	177	130920	77198.85867307335	905857.3170250766	39.968266674645	-100.5265119	368504.45157178196	4358928.2342828424	2826.733717914208	2647.534167560824	2585.8282820199815	2627.6594155033586	61.71488554082426	19.883725057465246
681	177	130921	77858.85867307335	905857.3170250766	39.96821327082674	-100.5241785	368705.4513024073	4358925.256556749	2819.143216226049	2646.053304403424	2585.185024	2615.101902902575	60.88850607562428	30.951158401518974
682	177	130922	78518.85867307335	905857.3170250766	39.96816032237544	-100.5218452	368906.45090078143	4358921.27348352	2814.921696049691	2644.536404390228	2584.847378002734	2603.498120404161	59.7169623658454	41.056219368516976
683	177	130923	79178.85867307335	905857.3170250766	39.96810647373136	-100.5195118	369107.4503713877	4358917.2961854118	2813.291195313311	2643.073046601817	2584.320893400212	2596.4917160901346	58.754411748610684	42.5389471018414
684	177	130924	79838.85867307335	905857.3170250766	39.96805217455434	-100.5171784	369308.4497198695	4358913.307598161	2812.223027711326	2641.58610215276	2583.468918204537	2591.438726374615	58.71183750754525	50.17173647841075
685	177	130925	80498.85867307335	905857.3170250766	39.96799742244243	-100.514845	369509.44804636007	4358909.28212844	2811.064192403843	2640.069769785129	2582.0807176026116	2592.1041119282414	58.016705209791751	47.99265783170576
686	177	130926	81158.85867307335	905857.3170250766	39.96792422340141	-100.5125116	369710.4480361856	4358905.34386306	2810.08519204787	2638.607422002097	2580.2337317017623	2588.37991700741735	58.3739914844744	49.4132245899626
687	177	130927	81818.85867307335	905857.3170250766	39.967866718264	-100.5101783	369911.4470065406	4358901.362104289	2809.3718227381083	2637.118227381083	2577.384739436009	2589.3937617279	58.37348795	49.41724640869119
688	177	130928	82478.85867307335	905857.3170250766	39.9678034695184	-100.5078449	370112.4458519092	4358897.380459107	2815.04403965433	2635.620981185583	2576.33277932913	2585.257398185293	59.2960578932405	50.37148074825359
689	177	130929	83138.85867307335	905857.3170250766	39.9677317847818	-100.5055915	370314.445724927	4358893.399	2814.701758396373	2634.14905629602	2582.4102267475	2581.682184255811	57.7283986958655	51.7283986958655
690	177	130930	83798.85867307335	905857.3170250766	39.9677169172057	-100.5031781	370514.4431684994	4358889.41801304	2808.30768132218	2632.850165387273	2574.440634801745	2578.470909839112	59.20990104	54.17446657481506
691	177	130931	84458.85867307335	905857.3170250766	39.96765945820085	-100.5008447	370715.4416401327	4358885.474204801	2801.3596912518153	2631.157385	2571.30776589644	2576.370614505913	58.94899211564546	54.78677027402864
692	177	130932	85118.85867307335	905857.3170250766	39.9676016	-100.4985114	370916.439879576	4358881.456	2797.585851701275	2629.061850701275	2567.94165297059	2572.145033	61.7201977	57.51867195016475
693	177	130933	85778.85867307335	905857.3170250766	39.9675432	-100.496178	371117.43821109977	4358877.475681545	2780.175726	2628.1653166547426	2564.9322232539507	2569.382720213988	63.2330937079187	58.7831097454243
694	177	130934	86438.85867307335	905857.3170250766	39.967484392943	-100.4934486	371318.43361084304	4358873.295327765	2769.55635643222	2626.668425929185	2563.923330560543	2562.010875299185	65.7163073901236	64.65730418241811
695	177	130935	87098.85867307335	905857.3170250766	39.9674251328619	-100.4915112	371519.4342877034	4358869.55101236	2763.089645661323	2625.127956180112	2566.5895962875761	2568.04651423978	64.573373228864	64.573373228864
696	177	130936	87758.85867307335	905857.3170250766	39.9673654249677	-100.4891779	371720.432139671	4358865.53103911	2763.08788238345	2623.679895785345	2562.176992	2556.336844148597	61.5029467359749	64.3813456395749
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698	177	130938	89078.85867307335	905857.3170250766	39.9672445651749	-100.4845111	372122.42275	4358857.57569481	2761.52543536049	2620.77383329626	2544.7755193765724	2545.699924435616	75.933145	75.0138510859423
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701	177	130941	90858.85867307335	905857.3170250766	39.96706712290614	-100.477511	372725.2195614047	4358845.202441211	2761.51058009615	2616.4015333115026	2540.214377582184	2545.829536783289	74.5744281421242	74.5744281421242
702	177	130942	91718.85867307335	905857.3170250766	39.9669971703545	-100.4751778	372926.4167810397	4358841.659213093	2760.571071742122	2615.041988768112	2543.720609840873	2551.171643082921	73.3713878402579	63.866824508292725
703	177	130943	92378.85867307335	905857.3170250766	39.9669364470254	-100.4728462	373127.418732514	4358837.88687892	2760.02775835737	2613.748498692537	2542.9881041423504	2554.964963	67.78891784932636	67.78891784932636
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706	177	130946	94358.85867307335	905857.3170250766	39.9667435284076	-100.4658441	373730.403929639	4358825.76	2768.747709920562	2610.35898903478	2547.437603093774	2550.276211582567	62.312369410094	60.0827773209911
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711	177	130951	97658.85867307335	905857.3170250766	39.9664157451659	-100.4541773	374735.3852071549	4358805.588903409	2764.4829911296676	2605.81539043138	2535.1740521491386	2537.964572396275	68.641313924196	69.1473241755659
712	177	130952	98318.85867307335	905857.3170250766	39.966347946627	-100.4518439	374936.38177131013	4358801.861889973	2762.414294166896	2604.950836141624	2532.6892242130443	2533.898708979494	72.26153540411807	71.0520942621815
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714	177	130954	99638.85867307335	905857.3170250766	39.96621360276476	-100.4471771	375338.376232334	4358793.92524017	2763.7314745959014	2603.1697138243184	2530.130851477066	2531.0386244717296	72.483301009496	72.483301009496
715	177	130955	100298.85867307335	905857.3170250766	39.9661433072195	-100.4448438	375539.3681804714	4358789.952324017	2764.798791818203	2602.232323885101	2529.724713419265	2529.994937011123	72.5076104683602	72.2373051387972
716	177	130956	100958.85867307335	905857.3170250766	39.966076071955	-100.4425404	375740.36370526345	4358787.351371261	2765.706426784707	2601.256480678027	2528.715365972496	2529.780506727031	71.4743241755659	71.4743241755659
717	177	130957	101618.85867307335	905857.3170250766	39.9660162195107	-100.440217	375941.36370526345	4358785.351371261	2766.798791818203	2600.3232323885101	2527.724713419265	2529.994937011123	72.5076104683602	72.2373051387972
718	177	130958	102278.85											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatHtKgs.ft	SatHtKgs.ft
61	178	131041	-333141.1413	905217.3170250766	39.56626745177718	-01.708551	346627.3657	4361633.79	3838.668197295138	3678.6276655056053	3572.4988952585118	3580.689220813395	106.12669624709351	97.93834369225478
62	178	131042	-330681.1413	905217.3170250766	39.56625034996036	-01.568822	244258.4265724573	4361638.68423965	3836.287020424941	3677.805607172697	3571.0399522096363	3577.515201170828	106.76565496306057	100.29566806201205
63	178	131043	-330021.1413	905217.3170250766	39.56617290597775	-01.568822	244459.5984136618	4361635.578801246	3834.54096330518	3678.868397040617	3569.867675769937	3574.666234942938	107.01163458404803	102.92345541901391
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65	178	131045	-328701.1413	905217.3170250766	39.5663789323926	-01.9615227	244861.83221456312	4361617.365437165	3832.315588884183	3675.364663870835	3565.8712565223823	3570.99045281954	109.4304026454285	104.3742108888890
66	178	131046	-328041.1413	905217.3170250766	39.56633041846686	-01.959189	245062.2486321256	4361613.268377538	3831.202916736865	3674.554186573827	3563.941847196415	3570.64318920315	110.6126714609677	103.1198975056776
67	178	131047	-327381.1413	905217.3170250766	39.56640289711006	-01.956855	245264.0639770487	4361609.158874285	3828.364496060141	3673.743820294339	3562.078396212364	3567.304140326124	111.66542401981243	103.46737210888890
68	178	131048	-326721.1413	905217.3170250766	39.56642503207795	-01.954524	245465.1794983718	4361605.05439428	3826.3033688127	3672.300484415084	3559.926161061727	3564.2686130601353	113.0406835798357	106.6622314147316
69	178	131049	-326061.1413	905217.3170250766	39.566472614005	-01.952192	245666.2947354453	4361602.859114167	3824.23819773633	3671.214666538738	3557.752072771714	3561.410706	114.36199836042086	107.0338650247052
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77	178	131057	-320781.1413	905217.3170250766	39.56662401398039	-01.933523	247275.2077867572	4361568.12085243	3786.3831704964264	3664.8273809387783	3544.948722694835	3542.90787966611	119.8766542393884	121.916862947623
78	178	131058	-320121.1413	905217.3170250766	39.566649	-01.931192	247476.3207733442	4361564.20205385	3789.2147134075805	3663.630022359344	3544.259631493781	3541.545941426188	119.87671704215348	122.0196080974676
79	178	131059	-319461.1413	905217.3170250766	39.566674	-01.928851	247677.43381981184	4361559.81332176	3792.124510338367	3662.290953452652	3542.7216049917574	3540.38293496181	118.56934046809462	121.970569627007
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86	178	131066	-314841.1413	905217.3170250766	39.5668194538326	-01.9125272	249085.215727383	4361531.208067275	3813.32081851639	3649.1834182304413	3534.437517824878	3525.22153	114.74262040916337	123.961883665134
87	178	131067	-314181.1413	905217.3170250766	39.566840823546546	-01.9101941	249286.3264762682	4361527.70733275	3813.560254850032	3647.043129	3532.975040202506	3524.263273596323	114.0680884105131	125.77980103792788
88	178	131068	-313521.1413	905217.3170250766	39.56686225664495	-01.907861	249487.44876977697	4361523.06059393	3810.181937606015	3644.894818296384	3531.098601902545	3516.1304704349952	113.7863163872893	128.75437125494318
89	178	131069	-312861.1413	905217.3170250766	39.56688364467709	-01.905578	249688.5472297853	4361518.807	3808.06316762133	3643.9816762133	3529.188158689474	3514.0282384271	113.7863163872893	128.75437125494318
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95	178	131075	-308901.1413	905217.3170250766	39.56701103	-01.891529	250885.203551247	4361494.389151625	3800.3768270088	3629.643804940516	3515.9141272758386	3507.1205797452503	113.7384513793771	124.58462425921934
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100	178	131080	-305601.1413	905217.3170250766	39.567115938709105	-01.8798632	251900.74370499648	4361473.81769519	3798.59564165057	3618.08994311672	3502.917533705867	3495.622112566708	115.89236060580515	123.18778134600143
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102	178	131082	-304281.1413	905217.3170250766	39.56715780137906	-01.8751969	252302.9580467342	4361465.421255023	3790.184784221487	3614.500565804044	3498.75738378995	3493.67518672877	115.4727671041848	120.8438234116315
103	178	131083	-303621.1413	905217.3170250766	39.56717883164145	-01.8728686	252510.7006347653	4361461.323194763	3788.069848781528	3612.35950168510284	3497.569168510284	3496.89895434087	115.4727671041848	120.8438234116315
104	178	131084	-302961.1413	905217.3170250766	39.56720007293325	-01.870536	252705.1744082181	4361457.14523453	3785.70475229169	3610.25063984046	3495.11566435949	3493.70110802735	115.0869805039967	114.431544983143

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
187	17	1317	-248181.1413	905217.3170250766	39.36876105349964	-101.6768744	269396.18266877695	436110.18509188549	3620.971712394064	34.56518212	3362.507190807195	3362.106242917683	33.11102069959518	33.11196859
188	17	1318	-247521.1413	905217.3170250766	39.3687779797221	-101.6754412	269957.269593047	436111.3697308756	3619.119640026484	34.44.7345462014	3362.4288452434707	3362.103137925108	33.14661095969648	82.2723162763113
189	17	1319	-246961.1413	905217.3170250766	39.36879486117578	-101.6722709	269768.358891014	436112.5698183666	3617.282167658453	34.43.142241571013	3362.25784201135116	3362.0832892178589	33.14353921458468	80.84359219178589
190	17	1320	-246201.1413	905217.3170250766	39.36881169741027	-101.6698746	269999.4421583827	436110.380354556	3615.404095320618	34.41.917408155443	3362.1085394138276	3362.04930872177	79.7102102	79.5007093437322
191	17	1321	-245541.1413	905217.3170250766	39.36882488575694	-101.6675414	270020.52200683323	436110.729461993	3613.8134690370087	34.40.7049132461545	3361.691001605176	3362.149650871907	79.0319164078222	78.5552562695738
192	17	1322	-244881.1413	905217.3170250766	39.36884523467197	-101.6652081	270401.6110112124	436109.647789965	3612.5524789307034	34.39.500436321383	3361.423413896953	3361.8776119051807	78.07702526	77.62232802106193
193	17	1323	-244221.1413	905217.3170250766	39.36886193569913	-101.6628249	270602.6960516965	436109.0357	3611.269960262703	34.38.3021673169588	3361.177826215764	3361.567362309284	77.12430995938036	76.7345059067285
194	17	1324	-243561.1413	905217.3170250766	39.3688789165709	-101.6605416	270803.7849677367	436108.949114196	3609.9871941	34.37.1099102683885	3360.171533	3360.4522165957696	76.93797709871895	76.4552079081961
195	17	1325	-242901.1413	905217.3170250766	39.36889502545852	-101.6582803	271004.0701002006	436108.8411827036	3608.34496314658	34.35.9238364040665	3359.5820868367926	3359.152331972888	76.34177584719662	76.17158467178619
196	17	1326	-242241.1413	905217.3170250766	39.36891178835533	-101.6559751	271205.950146881	436109.33304208	3606.34204096187	34.34.740976978906	3358.644781772256	3359.03783	76.095159255444	75.958146945942
197	17	1327	-241581.1413	905217.3170250766	39.368928289115544	-101.6534818	271407.03696942353	436109.352436635	3604.394585261037	34.33.569361609343	3358.0498430928975	3357.155117064554	75.16837290617696	75.16837290617696
198	17	1328	-240921.1413	905217.3170250766	39.36894476479642	-101.6512085	271608.1241586192	436109.17580674	3602.3369415140263	34.32.398504298924	3356.9528483117013	3357.351668110713	75.40595698722257	75.16633819754223
199	17	1329	-240261.1413	905217.3170250766	39.36896119540799	-101.6488753	271809.2083924785	436109.097584022	3600.520180283125	34.32.30140855934	3355.564911996546	3356.06681071629	75.06522859477169	75.0433078430534
200	17	1330	-239601.1413	905217.3170250766	39.36897778905017	-101.646542	272010.29240120666	436106.019497207	3598.88824133512	34.30.05692350079414	3353.5982156792316	3354.05052400779414	74.76414577577389	76.0153020706404
201	17	1331	-238941.1413	905217.3170250766	39.36899531422955	-101.6442407	272211.3718951025	436106.941069585	3597.256243438262	34.28.9067075372413	3351.5023680799113	3351.785653727917	74.40439465733002	77.0125308985031
202	17	1332	-238281.1413	905217.3170250766	39.36901021683404	-101.641875	272412.4598440562	436106.863019061	3596.62727371413	34.27.73158073563	3348.35511199591	3348.802361731307	74.39764607307228	76.9508219
203	17	1333	-237621.1413	905217.3170250766	39.36902646716824	-101.6395422	272613.5432	436105.786430995	3595.73404614699	34.26.6041077710343	3344.945088830747	3345.642146650937	73.6599189426355	80.9619612
204	17	1334	-236961.1413	905217.3170250766	39.36904267	-101.6372089	272814.6263	436104.709141842	3594.757673707026	34.25.458468090865	3341.863240610063	3341.863240610063	73.815954091982373	80.9954011982373
205	17	1335	-236301.1413	905217.3170250766	39.369058832627445	-101.6348756	273015.7901750457	436104.6432	3590.420233549516	34.24.315951826413	3337.879922430446	3338.33689744422	73.4636023956667	85.8902620820108
206	17	1336	-235641.1413	905217.3170250766	39.36907495	-101.6325424	273216.7918373059	436103.56516181	3586.26323997148	34.23.176204978866	3334.63269394481324	3334.63269394481324	73.36533954064985	88.1029597011657
207	17	1337	-234981.1413	905217.3170250766	39.36909101780838	-101.6302091	273417.87497582754	436103.464780999	3582.320846447965	34.22.03899716043	3332.298663139912	3332.5898256530813	73.7493234	89.494916106
208	17	1338	-234321.1413	905217.3170250766	39.36910704279443	-101.6278758	273618.9564905932	436103.401919567	3580.161482931311	34.20.918011508198	3330.763816785952	3330.763816785952	73.6439604455774	89.0249660455774
209	17	1339	-233661.1413	905217.3170250766	39.369123062710845	-101.625409	273819.841509915	436103.32875254	3578.02869787543	34.19.763830016192	3328.839801784543	3328.839801784543	73.5429582924568	89.0249660455774
210	17	1340	-233001.1413	905217.3170250766	39.36913895755754	-101.623093	274021.120514748	436102.459494315	3576.18655940004	34.18.62305354545	3328.37172986013	3328.225395857803	89.251006274419	86.3964064075823
211	17	1341	-232341.1413	905217.3170250766	39.36915484734585	-101.620876	274222.12071973281	436102.1370731713	3574.0011815811623	34.17.62005665644	3328.070943184882	3328.070943184882	89.02411067214576	84.6558989577433
212	17	1342	-231681.1413	905217.3170250766	39.36917062041834	-101.6185427	274423.28312051564	436101.60807883	3572.74598464131	34.16.338676847464	3328.04257502274	3328.38095468187	89.2596220824757	82.9578367931551
213	17	1343	-231021.1413	905217.3170250766	39.369186946179336	-101.6162094	274624.3642214228	436101.022513435	3570.738197441002	34.15.193891148013	3328.960329	3333.96189271801	89.23199732082594	81.23199732082594
214	17	1344	-230361.1413	905217.3170250766	39.36920274647056	-101.613871	274825.4059971683	436100.947218368	3568.701364230094	34.14.047908445207	3328.11005668677	3335.730992	85.89960273464401	78.3169163482055
215	17	1345	-229701.1413	905217.3170250766	39.3692186574489	-101.6115428	275026.52575614653	436100.8372	3566.87669723584	34.13.028619515	3327.963585283535	3336.650282847964	85.8178271196985	76.251092847536
216	17	1346	-229041.1413	905217.3170250766	39.36923460272094	-101.609206	275219.2691707202	436099.973722616	3564.29130641095	34.12.00971216	3327.73899172126	3327.73899172126	84.6041508411583	75.5446976492771
217	17	1347	-228381.1413	905217.3170250766	39.3692493539309	-101.6068763	275428.6846366313	436099.725293253	3561.051113605495	34.10.609637358267	3327.301200190317	3342.1507878187144	84.27650833923508	68.45848933955238
218	17	1348	-227721.1413	905217.3170250766	39.369264813819186	-101.604543	275629.7663951734	436099.6148	3558.665749521164	33.70.35570341843	3342.7360044272996	83.76017291	86.73057054281681	76.035075054281681
219	17	1349	-227061.1413	905217.3170250766	39.3692803437342	-101.6022097	275830.86416545716	436098.57333374	3556.90086891621	34.08.245005048186	3325.0429627602794	3334.8897540155813	83.281587290686	73.3447960326044
220	17	1350	-226401.1413	905217.3170250766	39.36929582718567	-101.5998764	276031.92571478135	436098.49643935	3554.23816394142	34.07.182735386163	3324.4374270980175	3332.6811670605128	83.281587290686	74.5010589303061
221	17	1351	-225741.1413	905217.3170250766	39.3693112662369	-101.5973431	276233.00504316328	436097.945273479	3552.575649998333	34.06.0434881158703	3323.963593709516	3329.502454210405	82.0624544481876	76.12303571
222	17	1352	-225081.1413	905217.3170250766	39.36932692772094	-101.595029	276434.081509915	436097.357122356	3550.91232135906	34.04.900252135906	3322.44069693413	3327.20584	81.448558101777	77.023166585058
223	17	1353	-224421.1413	905217.3170250766	39.36934209210121	-101.592875	276635.163084257	436097.27853367	3548.737189785532	33.42.18760718757	3322.814584147346	3324.2369309713963	80.9074062421073	75.5446749
224	17	1354	-223761.1413	905217.3170250766	39.36935731307825	-101.5905432	276836.2417055691	436096.705231639	3546.73957190634	34.02.662184866834	3320.277910475034	3321.385016272353	82.8742779916968	81.2771219432661
225	17	1355	-223101.1413	905217.3170250766	39.36937257187614	-101.5882099	277037.3201578004	436096.31212691	3544.035736770072	33.99.7871862528924	3319.551882043994	3317.577481715182	83.76261711659296	83.76261711659296
226	17	1356	-222441.1413	905217.3170250766	39.3693877856038	-101.5858766	277238.3983033664	436095.959226048	3539.378117517123	34.00.450981868582	3314.608248719139	3314.9903741438075	85.84273745491919	85.84273745491919
227	17	1357	-221781.1413	905217.3170250766	39.3694029426143	-101.5835434	277439.478381988	436095.496522176	3538.419678470154	33.99.5829460223	3312.14509279595	3312.14509279595	87.20932352	87.20932352
228	17	1358	-221121.1413	905217.3170250766	39.3694187784877	-101.581701	277640.5541768266	436095.041501573	3536.810005729596	33.98.21755703348	3309.36661236399	3309.36661236399	88.9058621696017	88.9058621696017
229	17	1359	-220461.1413	905217.3170250766	39.3694346165885	-101.579374	277841.630199944	436094.628199944	3534.91232135906	33.97.409252135906	3308.2369309713963	3308.2369309713963	89.9074062421073	89.9074062421073
230	17	1360	-219801.1413	905217.3170250766	39.36944918	-101.5769535	278042.780421	436094.276061153	3532.163214006287	33.96.730795491097	3307.196351780564	3307.196351780564	89.9074062421073	89.9074062421073
231	17	1361	-219141.1413	905217.3170250766	39.3694643187189214	-101.5742102	278243.78622791916	436093.687992318	3531.888623030					

ix	iy	ix.X	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
313	178	131293	-165021.1413	905217.3170250766	39.70538848284006	-101.3828766	294731.38634256046	43960605.478659219	3413.497000054839	327.0231025072076	3182.717915499299	3182.674756513737
314	178	131294	-164361.1413	905217.3170250766	39.7050501	-101.3804342	294382.44604329212	43960601.423	3415.2406984209914	328.0466707761511	3180.3051455451437	3180.7054702628277
315	178	131295	-163701.1413	905217.3170250766	39.70561288111774	-101.3780962	295133.50582172266	43960597.368066968	3414.2804908191548	327.055821540416	3180.597379364987	3180.6891301218374
316	178	131296	-163041.1413	905217.3170250766	39.7057245541703	-101.3758474	295334.564809199	43960593.130683275	3410.671230651004	328.044123914306	317.91607138197785	317.8945182355127
317	178	131297	-162381.1413	905217.3170250766	39.7058367642985	-101.3735431	295535.623895769	43960589.226856653	3407.04849557966	328.042898676555	316.988022100907	316.8374876664431
318	178	131298	-161721.1413	905217.3170250766	39.7059463481203	-101.3712097	295736.68278132216	43960585.20366738	3411.983340607385	316.9159264746958	316.0751501330806	316.1214117904765061
319	178	131299	-161061.1413	905217.3170250766	39.7060565689811	-101.3688763	295937.74146618834	43960581.142947678	3400.110505889342	328.06021423275023	316.8338128112738	316.831595671933242
320	178	131300	-160401.1413	905217.3170250766	39.7061663391345	-101.3665429	296138.79995057057	43960577.0906075	3403.1103961603624	327.99363179	316.5679120012684	316.5679120012684
321	178	131301	-159741.1413	905217.3170250766	39.70627678566296	-101.3642098	296339.8592346762	43960573.64105228	3402.125596253433	327.93369419187	316.5679120012684	316.5679120012684
322	178	131302	-159081.1413	905217.3170250766	39.70638452726574	-101.3618752	296540.9153871701	43960569.7245741	3398.13281574007124	327.96550608815	316.5679120012684	316.5679120012684
323	178	131303	-158421.1413	905217.3170250766	39.7064929	-101.3594828	296741.97402057644	43960564.394	3397.618137359423	327.96550608815	316.5679120012684	316.5679120012684
324	178	131304	-157761.1413	905217.3170250766	39.7066008124942	-101.3572094	296943.018873802	43960560.8820314	3397.5815283091424	327.96550608815	316.5679120012684	316.5679120012684
325	178	131305	-157101.1413	905217.3170250766	39.7067084290196	-101.3548761	297144.08932742883	43960556.027018891	3397.549189942342	327.96550608815	316.5679120012684	316.5679120012684
326	178	131306	-156441.1413	905217.3170250766	39.7068154948184	-101.3525427	297345.1466522696	43960552.774006121	3397.5083096554012	327.96550608815	316.5679120012684	316.5679120012684
327	178	131307	-155781.1413	905217.3170250766	39.7069221099908	-101.3502093	297546.2037	43960548.21191867	3397.469194811524	327.96550608815	316.5679120012684	316.5679120012684
328	178	131308	-155121.1413	905217.3170250766	39.7070287242305	-101.3478759	297747.2603239047	43960544.6685171	3396.14703489172	327.96550608815	316.5679120012684	316.5679120012684
329	178	131309	-154461.1413	905217.3170250766	39.7071338785526	-101.3454925	297948.1732217657	43960540.6185877	3395.8580624817928	327.96550608815	316.5679120012684	316.5679120012684
330	178	131310	-153801.1413	905217.3170250766	39.7072392507467	-101.3432092	298149.3738130124	43960536.56390123	3392.025852581243	327.96550608815	316.5679120012684	316.5679120012684
331	178	131311	-153141.1413	905217.3170250766	39.7073444229631	-101.3408758	298350.4302557996	43960532.511977842	3395.684392164479	327.96550608815	316.5679120012684	316.5679120012684
332	178	131312	-152481.1413	905217.3170250766	39.7074468243966	-101.3384424	298551.4863	43960528.46901026	3386.372182784533	327.96550608815	316.5679120012684	316.5679120012684
333	178	131313	-151821.1413	905217.3170250766	39.7075523351084	-101.336209	298752.5421969371	43960524.40847231	3383.983965791934	327.96550608815	316.5679120012684	316.5679120012684
334	178	131314	-151161.1413	905217.3170250766	39.707655750893	-101.333876	298963.5979615584	43960520.35704781	3380.95471313943	326.75842735243	316.5679120012684	316.5679120012684
335	178	131315	-150501.1413	905217.3170250766	39.7077639455754	-101.331549	299173.652070782	43960516.3521454	3378.1732658919988	326.75842735243	316.5679120012684	316.5679120012684
336	178	131316	-149841.1413	905217.3170250766	39.7078613286654	-101.3292098	299355.7082515146	43960512.2549376	3372.9545422696127	326.75842735243	316.5679120012684	316.5679120012684
337	178	131317	-149181.1413	905217.3170250766	39.7079634706625	-101.3268755	299556.7638101047	43960508.23963982	3368.600485265919	325.81201299432987	316.5679120012684	316.5679120012684
338	178	131318	-148521.1413	905217.3170250766	39.7080651277298	-101.3245421	299757.818720096	43960504.153	3364.247149	325.81201299432987	316.5679120012684	316.5679120012684
339	178	131319	-147861.1413	905217.3170250766	39.7081663340681	-101.3222087	299958.8734312627	43960500.103	3359.891891314459	325.81201299432987	316.5679120012684	316.5679120012684
340	178	131320	-147201.1413	905217.3170250766	39.7082670986775	-101.319873	300159.925929698	43960496.05266596	3356.53127398773	325.81201299432987	316.5679120012684	316.5679120012684
341	178	131321	-146541.1413	905217.3170250766	39.70836879455754	-101.317549	300362.067246633	43960492.06306117	3353.1732658919988	325.81201299432987	316.5679120012684	316.5679120012684
342	178	131322	-145881.1413	905217.3170250766	39.7084702870767	-101.3152098	300562.3036940387	43960487.95702067	3350.14703489172	325.81201299432987	316.5679120012684	316.5679120012684
343	178	131323	-145221.1413	905217.3170250766	39.7085665212884	-101.3129572	300763.903020262	43960483.903153096	3347.1175264576574	324.81201299432987	316.5679120012684	316.5679120012684
344	178	131324	-144561.1413	905217.3170250766	39.7086665408201	-101.3105418	300964.140648067	43960479.85372139	3344.262181843962	324.81201299432987	316.5679120012684	316.5679120012684
345	178	131325	-143901.1413	905217.3170250766	39.7087641067809	-101.3082084	301165.19760372886	43960475.8047034	3342.34685725022	324.81201299432987	316.5679120012684	316.5679120012684
346	178	131326	-143241.1413	905217.3170250766	39.7088621580117	-101.305875	301366.2501	43960471.75426702	3340.43126324093	324.81201299432987	316.5679120012684	316.5679120012684
347	178	131327	-142581.1413	905217.3170250766	39.70896958581184	-101.3035416	301567.3040955847	43960467.70681127	3338.1059994742287	324.81201299432987	316.5679120012684	316.5679120012684
348	178	131328	-141921.1413	905217.3170250766	39.7090695928217	-101.301209	301768.65370782	43960463.65703006	3335.261735944387	324.81201299432987	316.5679120012684	316.5679120012684
349	178	131329	-141261.1413	905217.3170250766	39.7091735607327	-101.2988748	301969.089105044	43960459.88095209	3332.7869561959232	324.81201299432987	316.5679120012684	316.5679120012684
350	178	131330	-140601.1413	905217.3170250766	39.7092749556267	-101.2965414	302170.4623578676	43960455.56123448	3330.826145406055	324.81201299432987	316.5679120012684	316.5679120012684
351	178	131331	-139941.1413	905217.3170250766	39.709374565320546	-101.294208	302371.5147413045	43960451.51812724	3328.10105800014	324.81201299432987	316.5679120012684	316.5679120012684
352	178	131332	-139281.1413	905217.3170250766	39.70944100010509	-101.2918746	302572.5662474304	43960447.456328805	3326.740353695402	324.81201299432987	316.5679120012684	316.5679120012684
353	178	131333	-138621.1413	905217.3170250766	39.70953939	-101.2895412	302763.618980175	43960443.418	3324.390769174954	324.81201299432987	316.5679120012684	316.5679120012684
354	178	131334	-137961.1413	905217.3170250766	39.709630341547575	-101.2872078	302974.6706823993	43960439.302715528	3322.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
355	178	131335	-137301.1413	905217.3170250766	39.709730341547575	-101.284942	303175.6706823993	43960435.302715528	3320.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
356	178	131336	-136641.1413	905217.3170250766	39.7098179	-101.282541	303376.736988195	43960431.27590584	3325.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
357	178	131337	-135981.1413	905217.3170250766	39.70991970332066	-101.2802076	303577.8249	43960427.22903446	3324.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
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359	178	131339	-134661.1413	905217.3170250766	39.70109580773522	-101.2755408	303979.9258563636	43960419.136	3320.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
360	178	131340	-134001.1413	905217.3170250766	39.701187484655	-101.2732074	304180.977386958	43960415.09363824	3318.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
361	178	131341	-133341.1413	905217.3170250766	39.70127973879211	-101.270874	304382.0276285513	43960411.044	3316.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
362	178	131342	-132681.1413	905217.3170250766	39.7013702870767	-101.268404	304583.0770719527	43960406.9927453	3314.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
363	178	131343	-132021.1413	905217.3170250766	39.7014606070323	-101.2660272	304784.1281357165	43960402.9052044	3312.94638372986	324.81201299432987	316.5679120012684	316.5679120012684
364	178	131344	-131361.1413	905217.3170250766	39.70155050050775	-101.2636738	304985.1780021304	43960398.90654778	3310.94638372986	324.81201299432987	316.56791200	

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	Surf.Klog.f	Surf.Klog.f
437	17	13419	-81861	14133	905217.3170250766	-39.7176101075758115	-01.088672	32063.8375687409	436006.06303104	3204.2224779567015	302.7775253004024	2955.1462169124934	2954.847486486019	73.81730871754902	77.930303874820351
440	17	13420	-81201	14133	905217.3170250766	-39.71666439454547	-01.086538	32064.4234856745	4360092.03967017	3021.2288748040105	2953.7545379199573	2953.4282979683622	2953.4282979683622	77.7456768365628	77.7456768365628
441	17	13421	-80641	14133	905217.3170250766	-39.71612167695686	-01.084236	32065.4592289156	436007.969348485	3021.2288748040105	2953.7545379199573	2953.4282979683622	2953.4282979683622	77.7456768365628	77.7456768365628
442	17	13422	-79881	14133	905217.3170250766	-39.71617645099654	-01.081669	32066.4949727342	436009.959697118	3194.3416034205962	3021.2288748040105	2953.7545379199573	2953.4282979683622	77.7456768365628	77.7456768365628
443	17	13423	-79221	14133	905217.3170250766	-39.7162307806106	-01.079533	32067.5301833237	436007.93976893	3191.63796041213	3026.761223636177	2946.477099322385	2946.229679102361	80.28472304123261	80.28472304123261
444	17	13424	-78561	14133	905217.3170250766	-39.7162486555069	-01.0772	32108.5653889546	436007.5190114424	3189.524346427816	3025.33480482748	2943.854894962083	2943.854894962083	81.6744329240723	81.6744329240723
445	17	13425	-77901	14133	905217.3170250766	-39.7163381	-01.074866	321269.60436247	436007.188069443	3187.014724401507	3023.98374404386	2939.96514989442	2939.96514989442	83.9536945091462	83.9536945091462
446	17	13426	-77241	14133	905217.3170250766	-39.7163910506062	-01.072532	321470.6357463	436006.85142208	3185.297078	3022.572693	2936.444001893347	2936.444001893347	86.128966268136	86.128966268136
447	17	13427	-76581	14133	905217.3170250766	-39.71644363972788	-01.070197	321671.669899456	436007.922372166	3183.79108369062	3021.2288748040105	2953.7545379199573	2953.4282979683622	88.1517476020045	88.1517476020045
448	17	13428	-75921	14133	905217.3170250766	-39.7164955675484	-01.067863	321767.7045149554	436009.95319855	3182.892757852368	3019.629485182262	2938.761420215772	2938.761420215772	91.167037	91.167037
449	17	13429	-75261	14133	905217.3170250766	-39.71654729281914	-01.065538	322073.738854544	436005.764865085	3181.994421265704	3018.648423720276	2925.183096331718	2925.183096331718	93.0257558167923	93.0257558167923
450	17	13430	-74601	14133	905217.3170250766	-39.7165984672468	-01.063194	322474.770281559	436005.736407481	3181.09668464814	3017.394532207884	2922.91702601157	2922.91702601157	94.57750430081926	94.57750430081926
451	17	13431	-73941	14133	905217.3170250766	-39.71662481909291	-01.06086	322675.8070242616	436007.188069443	3181.21542829164	3016.164802004874	2924.6388907376474	2924.6388907376474	95.5640046072817	95.5640046072817
452	17	13432	-73281	14133	905217.3170250766	-39.7166946386646	-01.058535	322676.8046969024	436005.68029133	3185.051891784146	3014.9570129535814	2929.571134783282	2929.571134783282	96.3858708002994	96.3858708002994
453	17	13433	-72621	14133	905217.3170250766	-39.7167452995058	-01.056191	32277.87449635307	436009.95319855	3187.98954056908	3036.035520269393	2936.256586117843	2936.256586117843	97.3734015627259	97.3734015627259
454	17	13434	-71961	14133	905217.3170250766	-39.716798575046	-01.053865	323078.970720987	436005.62455402	3190.925193771143	3012.602735224848	2930.57595640421	2930.57595640421	98.026071342762	98.026071342762
455	17	13435	-71301	14133	905217.3170250766	-39.71684757820546	-01.051532	323279.9412768407	436003.5917084253	3192.310581388736	3011.4550013030425	2941.236479092164	2941.236479092164	99.2018898432938	99.2018898432938
456	17	13436	-70641	14133	905217.3170250766	-39.716896	-01.049197	323480.94780412434	436027.5698121395	3192.144646658914	3010.32510767347	2942.211219762145	2942.211219762145	100.2140961022	100.2140961022
457	17	13437	-69981	14133	905217.3170250766	-39.7168440673703	-01.046853	323682.073699323	436002.542737397	3197.879375430094	3009.2060728418696	2943.3121770154053	2943.3121770154053	101.6839962646436	101.6839962646436
458	17	13438	-69321	14133	905217.3170250766	-39.7169191638411	-01.0445319	323883.0402	436001.9515687132	3191.812824319926	3008.100505546817	2944.4961370727114	2944.4961370727114	102.6677495816973	102.6677495816973
459	17	13439	-68661	14133	905217.3170250766	-39.717037535752	-01.0421984	324084.072868404	436001.8549178306	3190.754799939307	3007.004411667067	2945.28548267067	2945.28548267067	103.71789304715474	103.71789304715474
460	17	13440	-68001	14133	905217.3170250766	-39.7170854205488	-01.03986	324285.1051142366	436001.146299595	3190.004853619311	3005.914231166614	2945.335634791016	2945.335634791016	104.819256331872	104.819256331872
461	17	13441	-67341	14133	905217.3170250766	-39.7171391429717	-01.037515	324492.137826927	436001.2262904397	3188.45102432277	3003.261028776562	2946.629877078562	2946.629877078562	105.99540148217	105.99540148217
462	17	13442	-66681	14133	905217.3170250766	-39.71717740225165	-01.035191	324687.169833407	436003.014323587	3187.70436687454	3003.744258253922	2940.279202930764	2940.279202930764	107.1287848454	107.1287848454
463	17	13443	-66021	14133	905217.3170250766	-39.7172227168849	-01.032846	324888.2061120633	436009.94343365	3185.317143382638	3002.67883213592	2936.081267162516	2936.081267162516	108.66913741	108.66913741
464	17	13444	-65361	14133	905217.3170250766	-39.717269809717	-01.030532	325089.2337015475	436009.335	3187.06279036901	3001.602340756825	2932.735288474262	2932.735288474262	109.8697528	109.8697528
465	17	13445	-64701	14133	905217.3170250766	-39.717311942118	-01.028197	325290.2645972804	436009.933	3187.06845406777	3000.351194109922	2932.602083	2932.602083	110.936388990136	110.936388990136
466	17	13446	-64041	14133	905217.3170250766	-39.7173599570586	-01.025843	325491.2963743872	436009.370747747	3174.444118306452	2999.468822	2932.018451699993	2932.018451699993	112.7289371592011	112.7289371592011
467	17	13447	-63381	14133	905217.3170250766	-39.7174048495296	-01.023538	325692.32739381	436009.326234302	3173.659348681511	2998.402387108844	2930.429823595678	2930.429823595678	113.8199402936	113.8199402936
468	17	13448	-62721	14133	905217.3170250766	-39.7174513937072	-01.021165	325894.3869033923	436009.723323857	3177.509454229885	2996.26011993364	2928.080053775047	2928.080053775047	114.96263934934	114.96263934934
469	17	13449	-62061	14133	905217.3170250766	-39.717522992141	-01.018305	326295.2400479024	436009.208730421	3165.79843652455	2995.197160760185	2925.234653822918	2925.234653822918	116.05620624	116.05620624
470	17	13450	-61401	14133	905217.3170250766	-39.71756900797415	-01.0141971	326496.4508901625	436007.188069443	3166.35946228919	2994.127344414947	2924.017919962467	2924.017919962467	117.0942478	117.0942478
471	17	13451	-60741	14133	905217.3170250766	-39.717610205971	-01.011836	326697.8143062493	436009.335	3169.43701830698	2993.45079824313	2922.308068985213	2922.308068985213	118.24619032	118.24619032
472	17	13452	-60081	14133	905217.3170250766	-39.7176510725295	-01.0095302	326888.5153525984	436009.3638416	3172.507941	2991.978611628286	2920.021587500376	2920.021587500376	119.33232729407	119.33232729407
473	17	13453	-59421	14133	905217.3170250766	-39.717691429717	-01.007167	327099.5415953971	436009.326234302	3171.858198167623	2991.734308909074	2917.734308909074	2917.734308909074	120.419256331872	120.419256331872
474	17	13454	-58761	14133	905217.3170250766	-39.717731335341	-01.004833	327300.5714869381	436009.8148886	3175.5569778181953	2989.815377088203	2915.202714088827	2915.202714088827	121.596249273618	121.596249273618
475	17	13455	-58101	14133	905217.3170250766	-39.71777107905676	-01.0025298	327501.601209678	436007.06524605	3178.822771307164	2990.243754072603	2914.236479092164	2914.236479092164	122.7893047159201	122.7893047159201
476	17	13456	-57441	14133	905217.3170250766	-39.717809748443	-01.0001964	327702.6307646304	436009.403	3178.3076828491	2987.637195416846	2904.132724733043	2904.132724733043	123.845405683034	123.845405683034
477	17	13457	-56781	14133	905217.3170250766	-39.717848437364	-00.9978629	327903.6015133157	436009.319767958	3168.183040518272	2986.541361802727	2986.541361802727	2986.541361802727	124.96263934934	124.96263934934
478	17	13458	-56121	14133	905217.3170250766	-39.717884811554	-00.9955295	328104.6893071817	436009.349705378	3168.178914963578	2986.402329581608	2985.20393851608	2985.20393851608	126.056131	126.056131
479	17	13459	-55461	14133	905217.3170250766	-39.7179241041895	-00.993196	328305.718421301	436009.34000484	3157.295321681713	2984.88454674763	2984.88454674763	2984.88454674763	127.226613422583	127.226613422583
480	17	13460	-54801	14133	905217.3170250766	-39.7179643717968	-00.9909196	328512.7702717303	436009.933	3157.528130529454	2982.100138795933	2982.100138795933	2982.100138795933	128.347405206548	128.347405206548
481	17	13461	-54141	14133	905217.3170250766	-39.718003348585	-00.9883622	329109.832953958	436009.14886	3144.9753017413665	2980.973184655024	2973.11070400587	2973.11070400587	129.439364075256	129.439364075256
482	17	13462	-53481	14133	905217.3170250766	-39.7180433548057	-00.9861957	329308.8465712537	436009.8807826	3144.9753017413665	2980.973184655024	2973.11070400587	2973.11070400587	130.54362493153	130.54362493153
483	17	13463	-52821	14133	905217.3170250766	-39.71808372034885	-00.9838622	329510.832953958	436009.14886	3144.975					

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SurfLgtKgr.f	SurfBoth.f
565	17	131545	1298.858673033514	909217.3170250766	39.3719477	-100.7948522	453592.59899446475	4395889.779201777	302.0214294	2769.0017421560997	2768.703750530751	91.29134602081785	91.58937334616631	
566	17	131546	1958.858673033514	909217.3170250766	39.37194792524519	-100.7925188	445931.6123905399	4395985.774	301.9268268753926	2768.030995373402	2768.606471936305	78.42557433673721	89.8641334	
567	17	131547	2618.858673033514	909217.3170250766	39.37194796226232	-100.7901853	445704.5276478054	4395981.388198274	301.916784352147	2765.769054651944	2767.756945651944	97.4598331	88.0313433335302	
568	17	131548	3278.858673033514	909217.3170250766	39.37194783432328	-100.7878518	445995.6427501789	4395977.702991339	301.981466656335	2767.9846649791675	2767.900080876904	85.027658605317	86.3077276483014	
569	17	131549	3938.858673033514	909217.3170250766	39.37194688836338	-100.7855184	446166.957030446	4395973.75780935	301.110251458990304	2765.244219	2767.52752094866	2766.545773862748	83.1666971	84.6944449740167
570	17	131550	4598.858673033514	909217.3170250766	39.3719466681305	-100.7831489	446397.67256073496	4395969.753	301.1189313214263	2766.936761446697	2765.6906278291717	82.04265576169836	83.2879633719635	
571	17	131551	5258.858673033514	909217.3170250766	39.3719463602021	-100.7808515	446598.6871614514	4395965.748549695	301.1167121245225	2766.8252521281055	2764.8441052656513	80.1901845794369	81.8693314	
572	17	131552	5918.858673033514	909217.3170250766	39.37194597850062	-100.778818	446799.7016674017	4395961.744128837	301.1279918339185	2766.4841274732607	2766.221128242287	78.47619467486	78.22699925	
573	17	131553	6578.858673033514	909217.3170250766	39.37194578800000	-100.7769183	447000.71026478897	4395958.739804461	301.188115672114	2764.187134748947	2766.187497595687	75.9873868278845	75.9118335	
574	17	131554	7238.858673033514	909217.3170250766	39.37194507892505	-100.7738511	447201.7302	4395953.73567612	301.2416312045095	2763.9363382774	2766.11052620471	72.6130253206373	78.4043523640045	
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576	17	131556	8558.858673033514	909217.3170250766	39.37194400907873	-100.7691842	447603.7582076334	4395945.72841039	301.3056543367175	2763.4944441876055	2766.216369	67.3730224804403	67.76114314	
577	17	131557	9218.858673033514	909217.3170250766	39.37194433902555	-100.7668507	447804.7197826245	4395941.728471856	301.31666342767	2766.329523196574	2767.5353883978032	62.9807042619312	75.7812504493838	
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579	17	131559	10538.858673033514	909217.3170250766	39.37194204454512	-100.7621838	448206.7906908003	4395933.718844305	300.071895362858	2762.940897752202	2766.6239629871165	57.65647710199206	72.367275299924	
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612	17	131592												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
691	178	131671	84458.8586730335	909217.3170250766	39.37157872189024	-100.5008373	307074.0204906916	4399086.619	2803.184311224535	260.4266434014476	257.4158520232427	257.9994423214663	50.04679137820494	52.46322018674844
692	178	131672	84511.8586730335	909217.3170250766	39.371572651218644	-100.4898309	370520.4231877144	4399082.63	2797.637102513038	262.396305922192	257.7386266759095	256.73970405611916	50.6444396328257	52.94336139262549
693	178	131673	84568.8586730335	909217.3170250766	39.37156784672885	-100.4861704	371121.4212906304	4399078.63	2780.15306	262.504058949654	256.7386266759095	256.73970405611916	50.6444396328257	52.94336139262549
694	178	131674	84638.8586730335	909217.3170250766	39.371561214652395	-100.48387	371322.4190773403	4399074.67	2768.633084582726	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
695	178	131675	84708.8586730335	909217.3170250766	39.371555288777781	-100.4815036	371523.4168692425	4399070.696	2769.407932320081	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
696	178	131676	84778.8586730335	909217.3170250766	39.3715493177881	-100.4817001	371724.4145157153	4399067.16	2766.544118105607	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
697	178	131677	84848.8586730335	909217.3170250766	39.37154330174557	-100.4883637	371925.4120426302	4399062.76	2768.99032320081	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
698	178	131678	84918.8586730335	909217.3170250766	39.37153744062804	-100.4845033	372126.4094476164	4399058.76367507	2771.433667870555	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
699	178	131679	84988.8586730335	909217.3170250766	39.37153144062804	-100.4821698	372327.40672419535	4399054.76831816	2774.433667870555	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
700	178	131680	85058.8586730335	909217.3170250766	39.371524983170126	-100.479834	372528.40388111025	4399050.79419105	2777.433667870555	262.0682745832767	256.534190191219	256.73970405611916	50.6444396328257	52.94336139262549
701	178	131681	85128.8586730335	909217.3170250766	39.3715187682978	-100.477503	372729.409157122	4399048.31635658	2780.9289304047	261.5653834492614	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
702	178	131682	85198.8586730335	909217.3170250766	39.37151254541157	-100.4751695	372930.397282048	4399043.3939669	2784.2365934133	261.4381266121593	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
703	178	131683	85268.8586730335	909217.3170250766	39.37151052582635	-100.4728361	373131.3946	4399038.86062371	2783.273738354294	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517	52.92633755517
704	178	131684	85338.8586730335	909217.3170250766	39.37149927363296	-100.4705027	373332.3912876246	4399034.88203832	2787.831260362867	261.126303268867	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
705	178	131685	85408.8586730335	909217.3170250766	39.37149350072602	-100.4681692	373533.3876537806	4399030.303720265	2791.7599800140723	261.126303268867	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
706	178	131686	85478.8586730335	909217.3170250766	39.37148712901457	-100.4658358	373734.38026118466	4399026.926	2795.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
707	178	131687	85548.8586730335	909217.3170250766	39.3714806222891	-100.4635024	373935.3805	4399022.94759089	2799.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
708	178	131688	85618.8586730335	909217.3170250766	39.37147415	-100.461169	374136.376503518	4399018.97	2803.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
709	178	131689	85688.8586730335	909217.3170250766	39.371467693435087	-100.4588355	374337.3728	4399014.992219124	2807.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
710	178	131690	85758.8586730335	909217.3170250766	39.37146091426291	-100.4565021	374538.368756232	4399011.05	2811.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
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713	178	131693	85968.8586730335	909217.3170250766	39.3714409654577795	-100.4495018	375141.3589693054	4398999.61881804	2823.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
714	178	131694	86038.8586730335	909217.3170250766	39.37143413	-100.4471684	375342.3513282933	4398995.170265818	2827.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
715	178	131695	86108.8586730335	909217.3170250766	39.3714273052457	-100.444835	375543.3466719126	4398987.13085816	2831.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
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720	178	131700	86458.8586730335	909217.3170250766	39.37139329219426	-100.4331678	376548.376700535	4398971.251698353	2851.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
721	178	131701	86528.8586730335	909217.3170250766	39.3713863444377	-100.4308344	376749.316337437	4398967.276	2855.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
722	178	131702	86598.8586730335	909217.3170250766	39.37137925154682	-100.428501	376950.3108580234	4398963.30414524	2859.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
723	178	131703	86668.8586730335	909217.3170250766	39.37137230537592	-100.4261676	377151.305246362	4398959.3265367	2863.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
724	178	131704	86738.8586730335	909217.3170250766	39.3713638053102	-100.4238341	377352.3962432506	4398955.3911365	2867.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
725	178	131705	86808.8586730335	909217.3170250766	39.37135655241219	-100.4215007	377553.393849899	4398951.37405214	2871.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
726	178	131706	86878.8586730335	909217.3170250766	39.371349229219426	-100.4191678	377754.3912876246	4398947.15680313	2875.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
727	178	131707	86948.8586730335	909217.3170250766	39.37134273052457	-100.4168339	377955.2817	4398943.1026222	2879.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
728	178	131708	87018.8586730335	909217.3170250766	39.371335441377	-100.4145005	378156.2755	4398939.45246764	2883.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
729	178	131709	87088.8586730335	909217.3170250766	39.3713284819761	-100.412167	378357.26915732876	4398935.481568421	2887.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
730	178	131710	87158.8586730335	909217.3170250766	39.37132149571092	-100.409836	378558.2673400115	4398931.508085178	2891.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
731	178	131711	87228.8586730335	909217.3170250766	39.3713149714692	-100.4075032	378759.256194512	4398927.534790732	2895.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
732	178	131712	87298.8586730335	909217.3170250766	39.3713074310786	-100.405168	378960.245306337	4398923.56170369	2899.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
733	178	131713	87368.8586730335	909217.3170250766	39.37129992011116	-100.4028341	379161.236994747	4398919.591804	2903.738037804018	260.996914804743	254.7713351015427	255.021731357582	50.6283153361157	52.92633755517
734	178	131714	87438.8586730335	909217.3170250766	39.37129201211076	-100.400499	379362.2358110856	4398915.6103072	2907.738037804018	260.996914804743	254.7713351015427	255.021731357582		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThLgts.f	SatThBoth.f
77	179	13797	-320781.1413	90887.3170250766	39.36843666472295	-101.9335355	247279.318626675	3871769.4185852865	3871.1457119203624	3663.783818634835774	3544.4550595090995	3547.1296661787537	119.32597573366678	116.65415066482365
78	179	13798	-320211.1413	90887.3170250766	39.36854564903111	-101.9312204	247480.414086207	3871765.31563475	3871.66643116832	3544.159075876204	3544.045319631027	3544.07602912988	118.4965591251774	116.65415066482365
79	179	13799	-31961.1413	90887.3170250766	39.3684036827368	-101.9288824	247681.5439406296	3871766.213342261	3871.66779105187	3543.6718234448	3543.675233708326	3543.66779105187	117.501926381278	119.0495187885186
80	179	13800	-318801.1413	90887.3170250766	39.3685021824969	-101.926554	247862.6562279147	3871767.11102443	3871.788.18905311185	3569.673791786548	3542.406551314249	357.97191739142255	117.2102068521682	121.706185612822
81	179	13801	-318141.1413	90887.3170250766	39.36852391556904	-101.9242208	248083.76825539934	3871763.008012645	3871.7880111296303	3568.0245064605184	3541.8435236015716	357.97191739142255	116.19912688949678	123.6465109462980
82	179	13802	-317481.1413	90887.3170250766	39.3685456350234	-101.9218876	248284.8038833042	3871764.009881572	3871.8787170400365	3568.23565522634	3540.875455888435	353.2412842894702	115.4308103409058	125.034657545264
83	179	13803	-316821.1413	90887.3170250766	39.36856724580636	-101.9195545	248485.9915726924	3871764.80526395	3871.449346523295	3564.419805868252	3539.2034091727296	353.0216883063145	115.21676041158478	124.4071128184578
84	179	13804	-316161.1413	90887.3170250766	39.36858904891695	-101.9172213	248687.10285776902	3871760.713074722	3871.470419187558	3562.473833002538	3537.6419178732824	352.7228053766715	114.8318545472967	124.6517746680877
85	179	13805	-315501.1413	90887.3170250766	39.36861047723641	-101.9148883	248888.2389412673	3871763.20424551	3871.6786419689887	3560.465517208416	3536.0035119705628	3526.65059	114.4602591847901	124.6517746680877
86	179	13806	-314841.1413	90887.3170250766	39.3686220111472	-101.9125549	249089.3246819106	3871762.501307689	3871.6830746514873	3548.41113596905	3534.652578337309	3524.169345154814	113.78535363877769	124.24173384127052
87	179	13807	-314181.1413	90887.3170250766	39.36863479826584	-101.9102217	249290.43522134708	3871728.400390765	3808.54175113393	3546.3223163014045	3533.103407572883	3524.169345154814	113.78535363877769	124.24173384127052
88	179	13808	-313521.1413	90887.3170250766	39.36867491347196	-101.907885	249491.54551264018	3871724.299673503	3807.545252472639	3544.2090709010403	3531.2186408056218	355.1695013130498	112.9904325486069	129.0395777474045
89	179	13809	-312861.1413	90887.3170250766	39.368693205079	-101.9055553	249692.55555595957	3871720.19951703	3805.548533412833	3542.078961810393	3529.320833302179	359.320730302251	112.7595287886033	132.7469031480777
90	179	13810	-312201.1413	90887.3170250766	39.3687176556308	-101.9032221	249893.76535162213	387176.09841918	3803.551814	3539.36912508328	3527.0802441538995	3504.5184982454	112.8565634434842	135.42719058187377
91	179	13811	-311541.1413	90887.3170250766	39.36873894400875	-101.900889	250084.6746999714	387171.96782587	3807.786086944344	3525.1543988753424	3525.1543988753424	3502.1794867	112.8565634434842	135.42719058187377
92	179	13812	-310881.1413	90887.3170250766	39.3687619738778	-101.898557	250295.9842005024	387170.898811709	3809.696276772827	3535.62998653247	3523.074967282273	3502.742159289078	112.550193297343	135.42719058187377
93	179	13813	-310221.1413	90887.3170250766	39.368781450071026	-101.896225	250497.0932541363	3871703.79097272	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
94	179	13814	-309561.1413	90887.3170250766	39.3688025684572	-101.893893	250698.20206092013	387169.7	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
95	179	13815	-308901.1413	90887.3170250766	39.36882368712458	-101.891561	250899.306207727	387169.60026999	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
96	179	13816	-308241.1413	90887.3170250766	39.36884706736584	-101.8892229	251100.4183042566	387169.60026999	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
97	179	13817	-307581.1413	90887.3170250766	39.36886578281774	-101.886887	251301.52700178797	387168.87	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
98	179	13818	-306921.1413	90887.3170250766	39.3688871720006	-101.884565	251502.543226426	3871683.20334037	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
99	179	13819	-306261.1413	90887.3170250766	39.368917800910554	-101.881923	251703.7423862583	3871683.20334037	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
100	179	13820	-305601.1413	90887.3170250766	39.3689280201582	-101.879801	251904.8457278763	3871675.106708125	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
101	179	13821	-304941.1413	90887.3170250766	39.36894494979321	-101.8775569	252105.8522120256	3871671.00886964	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
102	179	13822	-304281.1413	90887.3170250766	39.3689702503544	-101.8752327	252307.0637	3871667.01086904	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
103	179	13823	-303621.1413	90887.3170250766	39.36899101	-101.8728905	252508.17024473514	3871662.819257697	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
104	179	13824	-302961.1413	90887.3170250766	39.36901172	-101.8705573	252709.276937074	3871668.1546564	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
105	179	13825	-302301.1413	90887.3170250766	39.3690329023186	-101.868223	252910.3629850316	3871668.1546564	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
106	179	13826	-301641.1413	90887.3170250766	39.3690530737361	-101.865908	253111.4885579123	3871662.819257697	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
107	179	13827	-300981.1413	90887.3170250766	39.36907359	-101.8635576	253312.947155587	3871664.424317687	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
108	179	13828	-300321.1413	90887.3170250766	39.3690941235533	-101.8612244	253513.699554178	3871662.34294007	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
109	179	13829	-299661.1413	90887.3170250766	39.3691146095922	-101.8589812	253714.0647296214	3871668.32030735	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
110	179	13830	-299001.1413	90887.3170250766	39.36913505176735	-101.856558	253915.90955713156	3871663.134617245	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
111	179	13831	-298341.1413	90887.3170250766	39.3691548487287	-101.8542247	254119.1071978854	3871663.03850904	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
112	179	13832	-297681.1413	90887.3170250766	39.36917500910554	-101.851918	254318.1186	3871665.924271701	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
113	179	13833	-297021.1413	90887.3170250766	39.36919610788073	-101.849583	254519.2227495912	3871661.86890044	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
114	179	13834	-296361.1413	90887.3170250766	39.36921363973416	-101.8472251	254720.32666171863	3871617.75138376	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
115	179	13835	-295701.1413	90887.3170250766	39.369236566618555	-101.8448918	254921.4303807245	3871613.656073987	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
116	179	13836	-295041.1413	90887.3170250766	39.36925675838607	-101.8425586	255122.537576385	3871609.56091737	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
117	179	13837	-294381.1413	90887.3170250766	39.36927688059958	-101.8402254	255323.63702419137	3871662.819257697	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
118	179	13838	-293721.1413	90887.3170250766	39.3692966674819	-101.8378921	255524.7399406008	3871661.37135777	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
119	179	13839	-293061.1413	90887.3170250766	39.36931694780373	-101.835457	255725.9456149113	3871661.37135777	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
120	179	13840	-292401.1413	90887.3170250766	39.36933904780373	-101.8332257	255926.9451449113	3871661.37135777	3809.45906549033	3533.407015700404	3520.9287280061662	3504.45066730292	112.550193297343	135.42719058187377
121	179	13841												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBotKrg.ft	SurfThLogKrg.ft	SurfThBotKrg.ft
200	179	131923	-237621.1413	90887.3170250266	38.7038918	-101.6395631	727617.6276090006	4321524.05286714	3594.3264796271965	3345.4249094204545	3345.8498919359704	307.773080780243	80.3523258668652	
204	179	131924	-236961.1413	90887.3170250266	38.70585384950716	-101.6372297	727818.7107246474	4312489.975077074	3595.687223500776	3425.05446830276	3341.2053037266812	304.0431789641632	83.5059301	
206	179	131925	-236301.1413	90887.3170250266	38.7087154556022	-101.6348644	728019.763249307	4312455.898	3597.047976714578	3423.80618909457	3338.805881403894	337.017593	86.86237498937474	
206	179	131926	-235641.1413	90887.3170250266	38.7086786109016	-101.625631	732028.875035058	4306124.820566945	3598.408725648239	3327.762750141984	3332.716709728204	333.815988	89.0453716916343	
207	179	131927	-234981.1413	90887.3170250266	38.70909373156331	-101.6302297	732431.9573393564	43126237.734754035	3599.1803725759687	3321.627637923813	3329.788203519939	339.2040733559119	91.83940740387379	
208	179	131928	-234321.1413	90887.3170250266	38.70917919565885	-101.6278964	732633.0396339654	43126333.66704303	3599.362798297719	3420.484223162107	3328.530602125288	339.226107247242	91.8630619092258	
209	179	131929	-233661.1413	90887.3170250266	38.7093573728329	-101.6255631	732824.1217239797	43099259.90523274	3599.545263839479	3419.3481011743297	3328.22148844569	339.2936678964707	91.12661272976046	
210	179	131930	-233001.1413	90887.3170250266	38.7096167253703	-101.6232297	734025.203283004	431225.514211341	3597.02772938129	3418.205921389439	3328.1824537700935	339.1796047011555	90.82431698228354	
210	179	131931	-232341.1413	90887.3170250266	38.7098154556022	-101.6209664	734226.2946202051	431254.93899003	3597.047976714578	3417.962194162003	3328.135198935055	339.1750038010455	86.94531903815474	
212	179	131932	-231681.1413	90887.3170250266	38.70993407831938	-101.6185631	734427.3673474784	431217.362186249	3592.293507779494	3415.915637703512	3327.5118772019173	331.815337229522	84.1031940224498	
213	179	131933	-231021.1413	90887.3170250266	38.70999207873005	-101.6162297	734628.44662638	431213.286473072	3597.047976714578	3414.77476	3327.8396704304675	3327.775457472324	86.933058091253	
214	179	131934	-230361.1413	90887.3170250266	38.70101496284315	-101.6138964	734829.527296795	4301209.21056448	3582.25673645274	3413.627745921413	3327.347555766395	333.06774268786657	86.28035651374262	
215	179	131935	-229701.1413	90887.3170250266	38.70130762742286	-101.611563	735030.60774447967	4301205.35645426	3579.1748575763575	3412.4819865823124	3327.278087	333.13449728678665	85.20398963371225	
216	179	131936	-229041.1413	90887.3170250266	38.7016033757042	-101.6092297	735231.6879704177	4301201.06030308	3578.028815981491	3411.338652889537265	3326.598893873265	333.7266985816951	84.73796348	
217	179	131937	-228381.1413	90887.3170250266	38.7106196	-101.6068963	735432.7679474726	4301196.9855195985	3576.8827143170763	3410.1933881524785	3325.92037973969532	334.262190289996	84.62931786347986	
218	179	131938	-227721.1413	90887.3170250266	38.7107175201301	-101.604563	735633.947576788	4301192.91000199	3575.732582399276	3409.052323929749	3325.202895845629	335.05446830276	84.8494208412006	
219	179	131939	-227061.1413	90887.3170250266	38.71083061628414	-101.6022297	735834.9237193644	4301188.36384733	3574.37174834164654	3407.910648103466	3324.5464571850093	335.037795817814	83.3641876253371	
220	179	131940	-226401.1413	90887.3170250266	38.7110854617218	-101.5998963	736036.006603436	4301184.70268392	3572.62505663455	3406.76561707614	3324.021475055587	333.8129513454	82.7471551705532	
221	179	131941	-225741.1413	90887.3170250266	38.71085654479	-101.597563	736237.0858	4301180.687951569	3569.26319662405	3405.62794380295	3323.6087551894298	331.868173075866	82.01919261386502	
222	179	131942	-225081.1413	90887.3170250266	38.7113938	-101.5952296	736438.16467915237	4301240.761043257	3569.240183088075	3404.90619897109	3323.30975908006	332.6755032288744	81.18069079901286	
223	179	131943	-224421.1413	90887.3170250266	38.7115472936434	-101.5928963	736639.243358108	4301130.4316451	3569.30103489399	3403.364594926498	3322.845856212865	334.2319933541765	81.05158971362474	
224	179	131944	-223761.1413	90887.3170250266	38.7117003765511	-101.5905629	736840.2316516763	4301186.46798138	3571.15174049278	3402.23494897986	3321.395423520304	330.8266249542746	81.83405274486371	
225	179	131945	-223101.1413	90887.3170250266	38.7117850726022	-101.5878965	736945.3872274634	4301151.45848466	3569.453971816992	3401.1740748511982	3321.258891891386	331.773855511582	81.849611589815	
226	179	131946	-222441.1413	90887.3170250266	38.7120050593938	-101.5855962	737242.4078402483	4301160.320359971	3574.371384131635	3399.9513418754	3314.28200524482	331.41831330347703	85.7033619026209	
227	179	131947	-221781.1413	90887.3170250266	38.71215587598441	-101.5835628	737434.5558736672	4301156.240410025	3568.3124622249748	3398.88085377716	3311.546168133732	330.642512682746	86.33760434996998	
228	179	131948	-221121.1413	90887.3170250266	38.7122079955807	-101.5812295	737644.6334551384	4301152.147197571	3577.663340745477	3397.77357504398	3310.62340561524134	330.10612360360486	84.84951955198449	
229	179	131949	-220461.1413	90887.3170250266	38.7124587860336	-101.5788961	737845.108142931	4301105.921926979	3569.00521926959	3396.673558056095	3306.4787616816856	330.406470084079493	84.1261534	
230	179	131950	-219801.1413	90887.3170250266	38.7126912691116	-101.5765628	738046.7895611484	4301144.029877263	3580.347097864813	3395.59489764701	3304.263095654073	330.6136632490903	81.29634911	
231	179	131951	-219141.1413	90887.3170250266	38.7127980145655	-101.5742864	738247.96467817963	4301147.58756214	3580.756928756214	3394.447123611	3303.4329713699832	330.4146873089826	81.041585783533	
232	179	131952	-218481.1413	90887.3170250266	38.7127980145655	-101.5719891	738448.1941394949	4301135.859233779	3580.756928756214	3393.3274201016982	3301.251892435892	330.4146873089826	81.041585783533	
233	179	131953	-217821.1413	90887.3170250266	38.7130735475485	-101.5695627	738650.10869956	4301134.8109417	3579.711754155477	3392.198216896867	3306.9510466079273	330.7033388383955	85.24717209	
234	179	131954	-217161.1413	90887.3170250266	38.71320597299714	-101.5672293	738851.0943379881	4301127.42586564	3578.189247305772	3394.786141348904	3308.057207837852	329.6257679113384	93.00470213832646	
235	179	131955	-216501.1413	90887.3170250266	38.71335054072996	-101.564896	739052.17038799747	4301136.7261304	3577.4781811124194	3389.9714213500406	3302.7294842885913	330.8519158940595	97.18792821188936	
236	179	131956	-215841.1413	90887.3170250266	38.71350169174704	-101.562626	739253.246203077	4301119.6031663	3574.578572703863	3388.763724300608	3301.379012345925	329.93282798773037	94.87145451320027	
237	179	131957	-215181.1413	90887.3170250266	38.71354887504754	-101.5602293	739454.32163521613	4301115.2921086	3571.679642942002	3387.6034262002924	3299.2918971121696	330.17418693806	94.7118169170271	
238	179	131958	-214521.1413	90887.3170250266	38.7137850726022	-101.5578965	739645.3872274634	4301147.58756214	3569.453971816992	3386.453971816992	3300.4329713699832	330.4146873089826	94.84951955198449	
239	179	131959	-213861.1413	90887.3170250266	38.71393418894935	-101.5555625	739856.47241311662	4301107.38796786	3564.625862668451	3387.223159906981	3300.024057570794	329.02910276159307	95.1962169113712	
240	179	131960	-213201.1413	90887.3170250266	38.7140872706498	-101.5532292	740057.5477367914	4301103.31763005	3559.216074	3384.070803743485	3308.858095376469	328.972168646745	95.1857307	
241	179	131961	-212541.1413	90887.3170250266	38.7142331	-101.5508958	740258.6212349183	4301099.24502843	3553.87982873978	3382.87278930984	3304.876445831474	328.7145670115654	97.94522098	
242	179	131962	-211881.1413	90887.3170250266	38.71437803079636	-101.5485624	740459.6965380847	4301095.17573821	3548.398104311096	3381.664733030371	3283.7589167097003	328.70581623	95.896625223301	
243	179	131963	-211221.1413	90887.3170250266	38.714522597959	-101.5462291	740660.770967831	4301091.10784512	3546.789063710532	3380.6379380346824	3283.6379119780013	328.70581623	95.896625223301	
244	179	131964	-210561.1413	90887.3170250266	38.7146653807516	-101.5438957	740861.4450576796	4301087.038	3542.91967479676	3379.2190597	3283.06613620381	328.70581623	95.896625223301	
245	179	131965	-209901.1413	90887.3170250266	38.71473524554	-101.5415628	741062.5918181818	4301083.9142216858	3540.756928756214	3378.189247305772	3282.8458216858	328.70581623	95.896625223301	
246	179	131966	-209241.1413	90887.3170250266	38.714832534514	-101.5392289	741263.99271418084	4301078.8998051025	3538.221775035046	3376.71475497646	3301.8410905374494	328.71515823906	95.896625223301	
247	179	131967	-208581.1413	90887.3170250266	38.7150959186726	-101.5368956	741465.0661651025	4301074.83091864	3536.1783726611	3375.402435044154	3280.76745867653	328.70581623	95.896625223301	
248	179	131968	-207921.1413	90887.3170250266	38.71523841407624	-101.5345622	741666.1394007584	4301070.762185995	3531.940482428061	3374.1498086904043	3279.621155263499	328.74577955095047	95.896625223301	
249	179	131969	-207261.1413	90887.3170250266	38.7153789187604	-101.5322289	741867.21422135856	4301066.69352652	3527.6027852984104	3372.837352104402	3278.30746918808	327.730109238015	95.896625223301	
250	179	131970	-206601.1413	90887.3170250266	38.71552124274746	-101.5298954	742068.2852271069	4301062.65	3523.464823	3371.03106581829	3276.3912491381375	327.730109238015	95.896625223301	
251	179	131971	-2059											

ix	iy	X	Y	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevLogKrg	BRIElevLogKrg	SatHtLogKrg	SatHtBoth
329	179	132049	-154641.1413		90887.3170250766	39.7252615386364	-101.3455651	297652.375724487	43607.41856076073	3391.501186450511	336.3383263219813	3166.9704957209697	3166.94372359208	31.10635827801162	101.39259299317347
330	179	132050	-153801.1413		90887.3170250766	39.72536680541685	-101.3432227	298153.44318554737	43607.37303566027	3390.459273736681	3367.068454988406	3166.598230406143	3166.585369236253	100.48735156226235	100.48735156226235
331	179	132051	-153141.1413		90887.3170250766	39.7254761630106	-101.3408682	298654.5849722353	43607.3310489115	3388.6340584105	3365.766943107438	3166.212168539793	3166.189787404987	98.8557263868504	98.8557263868504
332	179	132052	-152481.1413		90887.3170250766	39.7255795984131	-101.3352558	298855.5439	43607.2796942708	3386.097172240062	3364.428914685093	3165.702061081945	3165.82731364504	96.6768313003956	96.5991553300496
333	179	132053	-151821.1413		90887.3170250766	39.7256789977764	-101.3362224	298756.5996160115	43607.26548	3383.5003582214889	3363.0516204288842	3165.398663020363	3165.5656811236604	97.65252041264474	97.4875923033238
334	179	132054	-151161.1413		90887.3170250766	39.7257833064005	-101.3338889	298957.65710573996	43607.2159582161	3380.3503582214889	3361.356967378855	3164.54817063473	3164.0551667041258	96.2767239034575	96.2767239034575
335	179	132055	-150501.1413		90887.3170250766	39.7258863722847	-101.3315555	299158.710401394	43607.1754680383	3377.6522804724584	3360.175302241952	3164.2621389184947	3165.116690494322	95.9317143920584	95.05861987202242
336	179	132056	-149841.1413		90887.3170250766	39.7259889332282	-101.329222	299359.7654981978	43607.1349338159	3374.74643313159	3358.677964222223	3164.033457749268	3164.866195756456	94.64450647254651	93.8117446876582
337	179	132057	-149191.1413		90887.3170250766	39.726091438336	-101.326868	299560.623080195	43607.0942231413	3368.8405984105	3357.438725417983	3163.829742057973	3164.400322654427	93.8198636918757	92.7454631197577
338	179	132058	-148521.1413		90887.3170250766	39.7261927033016	-101.3245552	299761.87105105403	43607.05348886	3365.93475161573	3355.7576007256	3162.9043982538416	3164.3308655148	92.6713773714138	91.24486541210797
339	179	132059	-147861.1413		90887.3170250766	39.7262933124215	-101.3222217	299962.9260571575	43607.0134086184	3362.04043823269	3353.9792241243604	3161.9910915873834	3163.84188375021	91.828133366699	90.130382885805
340	179	132060	-147201.1413		90887.3170250766	39.7263943760046	-101.3198883	300163.983716124	43606.972404369	3358.1756922838	3352.35897250889	3160.463923050915	3162.757843652835	91.89500474097395	91.89500474097395
341	179	132061	-146541.1413		90887.3170250766	39.7264948704694	-101.3175548	300365.0380315437	43606.9220400494	3354.2759437048674	3350.719535431022	3162.289470805166	3162.025603889675	88.4306458100535	88.4306458100535
342	179	132062	-145891.1413		90887.3170250766	39.7265948347485	-101.3152214	300569.019495167	43606.891179309	3350.39220134537	3349.051800825326	3161.980144146794	3161.5854055149834	90.08503359373869	87.4205745675471
343	179	132063	-145221.1413		90887.3170250766	39.7266944207084	-101.3128879	300767.1458717362	43606.8514030682	3348.162595950781	3347.0407081074456	3161.959544248923	3161.6143484945123	86.34722316234229	86.34722316234229
344	179	132064	-144561.1413		90887.3170250766	39.7267931952724	-101.3105545	300968.1991984085	43606.8109076045	3338.581262842013	3345.720755860358	3161.478930242224	3160.556775191577	87.5818623871334	85.1728096565305
345	179	132065	-143901.1413		90887.3170250766	39.7268917004466	-101.308221	301169.2525937376	43606.77041	3335.95075068213	3344.0548284424085	3161.3746417968454	3160.9342688566	86.7084104735106	84.1174817355194
346	179	132066	-143241.1413		90887.3170250766	39.7269935741402	-101.3058876	301370.30565929	43606.7292034878	3332.433188733041	3342.3780326554797	3160.545269801687	3159.291131351853	85.8327626	83.0869232029443
347	179	132067	-142581.1413		90887.3170250766	39.72708735713395	-101.3035541	301571.3586071896	43606.6842969732	3319.932715674685	3340.071124632028	3155.738508370264	3159.375541327747	84.9626163944636	81.3258530448636
348	179	132068	-141921.1413		90887.3170250766	39.7271845093856	-101.3012207	301772.411353724	43606.6489115712	3315.5279060119132	3339.0255701260817	3154.9235712103448	3154.98232075026	84.1019794573691	80.2742718875912
349	179	132069	-141261.1413		90887.3170250766	39.7272812109948	-101.2988872	301973.4630957369	43606.648	3311.116540450343	3327.32593303739	3153.874375460148	3157.5420205686824	83.8427187136421	79.8105726785267
350	179	132070	-140601.1413		90887.3170250766	39.727374168166	-101.2965358	302173.5162634389	43606.6579	3306.705174900765	3325.682911005927	3153.71212166448	3157.0953642811637	83.0123881071417	75.5870672542894
351	179	132071	-139941.1413		90887.3170250766	39.7274674454364	-101.2942293	302375.5884272703	43606.6148829331	3302.852148829317	3322.3424740704	3154.2291345405057	3154.921782516507	82.040270292712	72.460270292712
352	179	132072	-139281.1413		90887.3170250766	39.727556106958	-101.2918689	302576.6203967014	43606.48700441	3299.62874827895	3322.309823835598	3151.320925955546	3154.717820386916	81.021353880519	77.6316119968618
353	179	132073	-138621.1413		90887.3170250766	39.7276635	-101.2895534	302777.617268154	43606.44627596	3296.38162389354	3320.68836242767	3150.473469336732	3154.289035489804	80.283690033524	76.3993003987666
354	179	132074	-137961.1413		90887.3170250766	39.7277579573001	-101.28722	302978.72357516774	43606.4056285272	3293.143504509373	3329.0272850151255	3149.6170250977884	3152.847881668784	79.41025991733774	76.1524034367902
355	179	132075	-137301.1413		90887.3170250766	39.7278519545316	-101.2848865	303179.751443648	43606.3657838579	3291.285573587303	3327.383195856338	3149.035707098906	3148.3308125165773	75.16973869	
356	179	132076	-136641.1413		90887.3170250766	39.727945006597	-101.28253	303380.826304788	43606.3521	3290.834802971914	3325.7120591606213	3147.642898951614	3151.461853007717	74.5495701621043	74.2502081258471
357	179	132077	-135981.1413		90887.3170250766	39.728037548516	-101.280216	303591.878373571	43606.34334036	3290.38498436736	3324.6549792707358	3147.2894797010758	3151.68116525214	73.755383815698	
358	179	132078	-135321.1413		90887.3170250766	39.7281312410443	-101.2778871	303782.241679472	43606.32441667472	3290.822441667472	3324.6549792707358	3147.2894797010758	3151.68116525214	72.460270292712	
359	179	132079	-134661.1413		90887.3170250766	39.7282234351208	-101.2755527	303983.978773669	43606.303703368	3292.43580350302	3320.775537048475	3146.48115248267	3147.41846353826	73.4274245568028	73.3570741666004
360	179	132080	-134001.1413		90887.3170250766	39.7283151784526	-101.2732192	304185.0291981613	43606.1632655715	3296.96457357399	3319.141499033484	3145.947556196808	3146.0141103139763	73.4232405304403	73.12738869897212
361	179	132081	-133341.1413		90887.3170250766	39.7284064710401	-101.2708858	304386.0794319689	43606.1272306505	3305.1365190117075	3317.512424242505	3144.5430657094544	3148.666949564105	72.9693583574041	68.84547459
362	179	132082	-132681.1413		90887.3170250766	39.7284973	-101.2685523	304587.1294739002	43606.0821245734	3301.3684466406	3315.88692896482	3143.6240324816122	3146.255257988587	69.1190428790508	
363	179	132083	-132021.1413		90887.3170250766	39.7285877039812	-101.2662188	304788.1795241628	43606.0418533991	3315.8411942810556	3315.8411942810556	3143.6240324816122	3146.255257988587	68.84547459	68.84547459
364	179	132084	-131361.1413		90887.3170250766	39.7286744454364	-101.2638615	304989.2288295003	43606.0019719467	3310.81958436736	3312.637342470404	3142.694163182293	3145.941789251657	67.755383815698	
365	179	132085	-130701.1413		90887.3170250766	39.72876713394234	-101.261519	305190.72485059114	43606.004293599	3322.136045727167	3312.094853848438	3141.926077088004	3146.094196819517	66.8333762	62.3307641883172
366	179	132086	-130041.1413		90887.3170250766	39.7288561129048	-101.2592185	305391.32777155	43605.9924089652	3325.234397198098	3309.371890190538	3141.153614057672	3146.94206997102	62.1821671326632	62.42908319352546
367	179	132087	-129381.1413		90887.3170250766	39.7289447609223	-101.256885	305592.36871289454	43605.9803981147	3327.4535822867	3307.7156219675608	3140.346382028662	3146.687861089692	61.62973994469453	61.62973994469453
368	179	132088	-128721.1413		90887.3170250766	39.72903289629374	-101.2545515	305793.42570801306	43605.959047628	3328.796140655936	3306.032232361985	3139.4037369035475	3145.28188820147	60.62858617343747	60.5640479683362
369	179	132089	-128061.1413		90887.3170250766	39.7291205849195	-101.2522218	305994.4744172774	43605.934375888	3330.1387520398932	3304.3014205711	3138.261203719433	3143.74530228895	60.484983907762	60.5440218916036
370	179	132090	-127401.1413		90887.3170250766	39.7292076209091	-101.2498846	306195.522572107	43605.958690231	3331.481394522274	3302.330248742106	3138.946535010102	3141.7365745435293	59.5827356910928	60.7957329
371	179	132091	-126741.1413		90887.3170250766	39.7292947039277	-101.247551	306396.5842717028	43605.919351546	3330.619351546	3301.4341872	3138.946535010102	3141.7365745435293	58.45827356910928	58.45827356910928
372	179	132092	-126081.1413		90887.3170250766	39.72938280	-101.2452177	306597.6193863005	43605.87562	3331.477554552276	3300.7198948574	3137.1777521005967	3140.5909993193	57.325336818233	57.12588847555895
373	179	132093	-125421.1												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtLog.ft	SatHtBoth.ft
435	179	13175	-71301.14133	90887.3170250766	39.73749573783334	-101.0515385	323283.9734004281	430232.8213850078	3187.8550364713315	311.730856232228	2932.3030512918484	2932.399152	47.740493184048	79.33170432458798
456	179	13176	-70641.14133	90887.3170250766	39.7375023495268	-101.049205	323485.00652479176	4306228.786406546	3186.696416089142	310.593651513552	2933.8312032651552	2933.7526032347573	76.600583769545	76.84104827879446
457	179	13177	-69861.14133	90887.3170250766	39.73750166959684	-101.0468718	323686.0391	4306224.759169686	3188.537476876987	310.0170702678684	2932.80496115576	2933.791091	73.749620114043284	73.6783114043284
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462	179	13182	-66681.14133	90887.3170250766	39.7375302108055	-101.0352039	324680.200358671	4306204.62594145	3187.330971884796	300.0815800702836	2939.96011874209	2939.4603675004252	64.0212681904774	64.1252130188533
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464	179	13184	-65361.14133	90887.3170250766	39.73753953918253	-101.0305369	325093.263631614	4306196.57397132	3181.36130491008	300.123349353616	2933.3948136157308	2932.564231544666	68.4383572	69.25910818
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477	179	13197	-56821.14133	90887.3170250766	39.73759346182523	-101.0002764	327706.4256451374	4306142.3529478	3165.814425529478	2987.7184691415576	2909.439493268954	2909.439493268954	78.6138017013855	78.6138017013855
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ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevKgr.f
581	19	13201	11858.8586730351	009877.3170250766	-39.37375330142743	-100.7575158	448612.8318620753	43597.26.909897832	3006.3566686589594	2786.2978997348013	2786.2981951213883	2786.29914115997626	58.09970461312996	73.4064813503867
582	19	13202	12518.8586730351	009877.3170250766	-39.373752468961406	-100.7551623	448813.8440550012	43597.72.07234914	3005.418605145541	2827.308249649592	2786.56740666976	2748.20451617085454	55.7421582002034	74.10397578454218
583	19	13203	11718.8586730351	009877.3170250766	-39.3737518141923	-100.7538488	448914.8571820243	43597.18.904894055	3004.95697286165	2820.287114881947	2787.651258980946	2745.707114881947	52.5548216509343	74.50057818151824
584	19	13204	13838.8586730351	009877.3170250766	-100.7505153	449215.906880081	-100.7505153	449215.906880081	3002.25406859751	2818.009068817245	2786.709740669675	2746.23964036961	49.38002212153015	71.85107298034046
585	19	13205	14498.8586730351	009877.3170250766	-39.37374970110622	-100.7481818	449416.8280878415	43597.10.900665369	3004.445828794944	2815.966128536576	2769.96382338244	2746.756740272387	45.8967641513555	69.19942424641786
586	19	13206	15158.8586730351	009877.3170250766	-100.7458482	449617.8943373083	43597.9.900665369	3004.445828794944	2798.69646676395	2813.803541326235	2771.566943037364	2750.328244	42.567991898626	63.4752692734063
587	19	13207	15818.8586730351	009877.3170250766	-39.3737478044843	-100.7435147	449818.9064309955	43597.7.902728654	3007.300363022388	2772.960457273041	2754.915910598033	28.672295967273475	56.14626546162296	
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589	19	13209	17138.8586730351	009877.3170250766	-39.37374593565285	-100.7388477	450073.4593565285	43596.7.902728654	2993.70369596817	2807.248734904967	2773.876162689676	2757.804233939243	35.7101668711039	51.6405441774325
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591	19	13211	18458.8586730351	009877.3170250766	-39.3737429834793	-100.7341807	450322.953512642	43596.89.902728654	2992.690286721192	2802.81084975887	2767.928133363837	2745.913181008292	34.82761611943554	56.8971739679497
592	19	13212	19118.8586730351	009877.3170250766	-39.37374167	-100.7318471	450322.953512642	43596.89.902728654	2989.207680428623	2800.5790287795944	2763.19807902935	2739.204511909292	37.3809486765204	61.374516870301704
593	19	13213	19778.8586730351	009877.3170250766	-100.7295136	451024.973804576	-100.7295136	451024.973804576	2987.758093145634	2798.340933145634	2758.697476728656	2739.204511909292	63.61635149	63.61635149
594	19	13214	20438.8586730351	009877.3170250766	-39.37373896342555	-100.7271801	451225.9871219136	43596.87.98138447	2986.3024721314	2796.099367303342	2754.00349525422	2733.09028149423	42.0958726079203	63.03900715386913
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608	19	13228	29678.8586730351	009877.3170250766	-39.37371500310434	-100.6945109	454040.127002283	43596.81.904894055	2965.09204380791	2765.37679798283	2706.43364273059	2710.379657632126	58.92409681666025	57.22780491666025
609	19	13229	30338.8586730351	009877.3170250766	-39.37371329179617	-100.6918778	454241.1341403895	43596.81.904894055	2963.921971887163	2761.0791378128	2704.13985159824	2707.42232636547	58.92409681666025	57.22780491666025
610	19	13230	30998.8586730351	009877.3170250766	-39.37371058983493	-100.6894393	454442.144357867	43596.81.904894055	2962.791457739345	2760.901972	2701.454091401532	2701.6915954612319	59.04788101	49.2103768812531
611	19	13231	31658.8586730351	009877.3170250766	-100.6875104	454643.1535890762	-100.6875104	454643.1535890762	2961.404595634236	2758.655578011257	2699.909050580233	2707.684023426104	58.6648874544026	50.97151458802172
612	19	13232	32318.8586730351	009877.3170250766	-39.37370653451781	-100.6851768	454844.261158447	43596.89.902728654	2956.405647634305	2698.156663918583	2703.4005826496	2684.209607724425	53.0065649890833	
613	19	13233	32978.8586730351	009877.3170250766	-39.3737043047301	-100.6828433	455045.170493412	43596.89.902728654	2955.4645520377	2754.15630459148	2696.36431852401	2702.99519092869	57.9186607299374	51.161052862291
614	19	13234	33638.8586730351	009877.3170250766	-39.3737029826944	-100.6805908	455246.1787307982	43596.89.902728654	2954.452729990747	2751.05519511915	2694.883788198234	2701.35114707816	57.0213637139606	47.75349349033464
615	19	13235	34298.8586730351	009877.3170250766	-100.6781763	455447.1868224221	-100.6781763	455447.1868224221	2953.549508913336	2748.736628589155	2693.006327834706	2701.35114707816	57.0213637139606	47.75349349033464
616	19	13236	34958.8586730351	009877.3170250766	-39.373695674914981	-100.6745971	455649.21365517041	43596.81.904894055	2952.498131300207	2746.72971396026	2691.0202823780456	2702.42232636547	58.45884181937855	38.76537218318071
617	19	13237	35618.8586730351	009877.3170250766	-39.373693485465079	-100.673093	455849.2025041341	43596.89.902728654	2951.485215036285	2745.104188106712	2689.0056483276	2701.074148	56.28824834360934	40.0660097745306
618	19	13238	36278.8586730351	009877.3170250766	-39.37369247945322	-100.6717758	456050.210208916	43596.89.902728654	2950.452029210134	2742.87882586576	2696.49730000587	2698.93566289163	58.15625658904	43.94316397411294
619	19	13239	36938.8586730351	009877.3170250766	-100.6688422	456251.2178	43596.89.902728654	2949.7549	2948.325123941896	2740.611031650089	2693.92396947668	2696.074304974676	56.86563470302225	44.5371625447364
620	19	13240	37598.8586730351	009877.3170250766	-100.6665087	456452.2223556	43596.89.902728654	2948.70594	2945.10832699061	2738.334159606304	2691.091389051385	2692.581551	57.0213637139606	47.75349349033464
621	19	13241	38258.8586730351	009877.3170250766	-39.37368484337398	-100.6641752	456653.232485673	43596.89.902728654	2947.554961725622	2737.640748985163	2691.091389051385	2692.581551	57.0213637139606	47.75349349033464
622	19	13242	38918.8586730351	009877.3170250766	-39.3736822786211	-100.6618417	456854.260602983	43596.89.902728654	2946.61222133915	2737.56240164673	2691.091389051385	2692.581551	57.0213637139606	47.75349349033464
623	19	13243	39578.8586730351	009877.3170250766	-39.373680674914981	-100.6594971	457055.24616919	43596.81.904894055	2945.498131300207	2736.47971396026	2691.0202823780456	2702.42232636547	58.45884181937855	38.76537218318071
624	19	13244	40238.8586730351	009877.3170250766	-39.3736786161014	-100.6571477	457256.2534418225	43596.89.902728654	2944.5815036285	2735.78008101528	2690.9056483276	2701.074148	56.28824834360934	40.

ix	iy	icat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
707	179	134227	9501678.85867307335	909877.3170250766	39.7329343702771	-100.463494	79393.3602010405	4359224.127337901	2769.4876535732537	268.5158185994883	2545.2032411190435	2547.911729165164	63.31277480444816	60.604568
708	179	134228	9501678.85867307335	909877.3170250766	39.7326952001015	-100.4611269	79410.3568004605	4359220.149438066	2670.5150632430687	2543.49342	2546.3952783202063	64.0226430676845	61.12178492286239	
709	179	134229	9501678.85867307335	909877.3170250766	39.7328036790016	-100.458671	79431.3448102557	4359162.171732721	2769.038510461593	2563.545829891278	2540.9112830355834	62.92671926992925	58.54579718516804	
710	179	134230	9501678.85867307335	909877.3170250766	39.7327373765722326	-100.4556306	79452.34387394984	4359122.194224859	2753.813938050467	2605.59717	2538.140091175584	55.24670589522222	59.00163875214184	
711	179	134231	9501678.85867307335	909877.3170250766	39.7326711847115	-100.4541601	79473.3430415533	4359226.216911469	2750.3226044003247	2604.662481032113	2535.5450114489067	2540.649335675636	61.1746985320646	64.0132737545064
712	179	134232	9501678.85867307335	909877.3170250766	39.7326014641379	-100.4518266	79494.3395133526	4359204.24	2748.50348586431	2603.73161362555	2533.266273282672	2535.8069145184913	70.4654034589266	67.9249911007356
713	179	134233	9501678.85867307335	909877.3170250766	39.7326014641379	-100.4494931	79514.3548916649	4359200.262870164	2746.704012603247	2602.7960575900243	2531.703045	2532.876970632108	71.0957125274617	69.9190731789317
714	179	134234	9501678.85867307335	909877.3170250766	39.7324689062329	-100.4471596	79536.334032	4359196.268144034	2740.590295184324	2601.848549009233	2530.44651473627	2530.9347126053074	71.4026261883122	70.90383144192083
715	179	134235	9501678.85867307335	909877.3170250766	39.7324689062329	-100.4458271	79557.322589257	4359182.309812249	2738.0447418911658	2600.893727	2529.58975	2529.547174291697	71.23887666977002	71.20655539886922
716	179	134236	9501678.85867307335	909877.3170250766	39.7323200407843	-100.4426927	79578.34200	4359188.33374292	2728.121074041727	2599.89898278759	2528.97555914388	2528.789341484763	71.05986102896256	
717	179	134237	9501678.85867307335	909877.3170250766	39.732262837487	-100.4401592	79594.91353090085	4359184.357	2719.197434781998	2598.896312380765	2528.605105767704	2528.474112646947	70.82226506230613	70.42021997338179
718	179	134238	9501678.85867307335	909877.3170250766	39.732219325596104	-100.4378257	796150.310917948	4359180.381188194	2708.2737952222268	2597.8071891164083	2527.881266467219	2527.700806036191	70.16210305279674	
719	179	134239	9501678.85867307335	909877.3170250766	39.732172317741266	-100.4354922	79631.3054751736	4359176.405428499	2705.969342762004	2596.831644540023	2526.671062481276	2526.608569718043	70.1698802594424	70.42287857
720	179	134240	9501678.85867307335	909877.3170250766	39.7320526481305	-100.4331587	79652.2993001434	4359172.42983693	2704.28405643383	2595.781604948092	2525.142928938907	2524.99484	70.63876045020146	70.78671114498229
721	179	134241	9501678.85867307335	909877.3170250766	39.7319816680878	-100.4308252	79675.29372690748	4359168.45452319	2712.5988263114857	2594.7199607733087	2523.260759905273	2523.3682525345	71.49360779	71.5813259679834
722	179	134242	9501678.85867307335	909877.3170250766	39.7319102723055	-100.4284818	79694.2680356719	4359164.179307174	2715.91371079118	2593.6478373523626	2521.3148272291264	2521.292372	72.33304629613627	72.3555004682077
723	179	134243	9501678.85867307335	909877.3170250766	39.7318438557483	-100.4261583	79715.2822266427	4359160.562901274	2713.482611115543	2592.70458916484	2519.307016349082	2519.427302	72.6086347481814	73.1431579766401
724	179	134244	9501678.85867307335	909877.3170250766	39.7317660234515	-100.4238248	79735.262300023	4359156.52961913	2705.309484067561	2591.491108283615	2516.8824929162215	2517.223981962938	74.02631536744818	74.26712632704532
725	179	134245	9501678.85867307335	909877.3170250766	39.7316930240038	-100.4214913	79757.270256186	4359152.555	2697.129286	2590.412989141945	2515.2894500501963	2513.786343788009	71.71284391223172	72.6204531816589
726	179	134246	9501678.85867307335	909877.3170250766	39.7316200600358	-100.4191578	79778.264094836	4359148.58069033	2688.952330031975	2582.32790412335	2506.796180815264	2507.14065807493	82.3506822596945	82.1916233740406
727	179	134247	9501678.85867307335	909877.3170250766	39.731543220559	-100.4168244	79799.25781667675	4359144.606471948	2684.696702760019	2588.255466970152	2496.6311412826395	2496.4093810986606	91.6240387	91.8457155983467
728	179	134248	9501678.85867307335	909877.3170250766	39.731471267561	-100.414049	79810.2514217481	4359140.632	2684.361524976433	2587.160250447053	2483.89398	2482.882176762314	91.2856397305511	90.44986976450388
729	179	134249	9501678.85867307335	909877.3170250766	39.7313980070657	-100.411574	79829.2591073579	4359138.009371474	2682.41869713389	2586.421869712805	2582.308637441425	2525.503898692614	93.72289192578626	
730	179	134250	9501678.85867307335	909877.3170250766	39.731322563904	-100.409329	79852.2382820404	4359132.65052558	2683.6911604290517	2583.02804601077	2488.476287440745	2487.400201126861	95.1626701196553	97.6081873172892
731	179	134251	9501678.85867307335	909877.3170250766	39.7312740763541	-100.4074905	798763.2315383697	4359128.17166788	2681.62883108136	2583.96519841575	2498.772519126662	2488.206696842699	95.92671491343	85.7584898987604
732	179	134252	9501678.85867307335	909877.3170250766	39.73137113805314	-100.405157	798964.22678436	4359124.73846095	2677.833952043335	2582.8814895426403	2507.9917418260504	2507.648703197764	74.89034172	75.3273863448763
733	179	134253	9501678.85867307335	909877.3170250766	39.73109474900225	-100.402325	79915.2170273754	4359120.764507474	2674.049863474533	2581.73128285139	2516.07978653705	2515.676986130379	65.64153963	60.64165815
734	179	134254	9501678.85867307335	909877.3170250766	39.7310179092016	-100.40049	79936.21061149624	4359116.7926307125	2670.2613766006737	2580.518962533382	2622.223276470047	2521.567258	88.29655089330845	58.9525682542304
735	179	134255	9501678.85867307335	909877.3170250766	39.7298046186516	-100.3981568	79967.2034049196	4359112.903808169	2668.421869713389	2579.10255591278	2577.402368912805	2577.402368912805	91.7084186236327	
736	179	134256	9501678.85867307335	909877.3170250766	39.72973078763005	-100.3958217	79978.196032154	4359108.75139585	2677.534167117495	2578.714323159385	2577.8376578599167	2526.875765899167	91.747175654891	
737	179	134257	9501678.85867307335	909877.3170250766	39.730784685302	-100.3934896	79999.18864658347	4359104.87520151	2675.66138539076	2576.731853397962	2573.304097197342	2565.05459690197	94.58335367306199	50.85926549082091
738	179	134258	9501678.85867307335	909877.3170250766	39.7307460245049	-100.3911561	800170.1810952033	4359100.30320913	2675.768886882574	2575.77170659415	2525.764300848656	2524.544624949629	95.94316217285934	51.162708063612334
739	179	134259	9501678.85867307335	909877.3170250766	39.7306264895786	-100.3888227	80037.1734236515	4359096.931490255	2677.73196723477	2574.525235730273	2523.469536129457	2522.1614305402776	95.0559924735659	52.3637997174663
740	179	134260	9501678.85867307335	909877.3170250766	39.730574406617	-100.3864892	800572.1656491906	4359092.95810343	2676.689499332667	2573.84979331899	2513.4805803180934	2513.784978970035	95.5816076099411	
1	180	134261	37094.1413	910537.3170250766	39.3684542325555	-102.110933	129818.1265444417	4362283.12764049	3988.9863847640276	3584.75725958007	3654.98959412659	3584.912514841072	10.06953889531199	10.247590151423
2	180	134262	37020.1413	910537.3170250766	39.36847951307655	-102.105702	12219.2591073579	4362279.009371474	3975.221163177495	3755.221163177495	3577.301631784032	3577.301631784032	10.934525369584	
3	180	134263	36962.1413	910537.3170250766	39.368504777863005	-102.1062317	123400.390146503	4362274.81953791	3985.682830800367	3753.799014590282	3654.98271940635	3654.98271940635	96.99132250448682	96.99132250448682
4	180	134264	36961.1413	910537.3170250766	39.3685299575737	-102.103904	123601.522655351	4362270.7751359	3983.7393981264	3752.527620380682	3656.4328712765544	3656.288985060738	95.9198091241383	96.0709353
5	180	134265	36830.1413	910537.3170250766	39.368555172246865	-102.1015708	123802.6504331263	4362265.8656165	3881.785968824034	3750.898128	3657.995537794453	3657.8999266270002	92.9200541768779	92.9200541768779
6	180	134266	36764.1413	910537.3170250766	39.3685803184237	-102.0992377	123903.78514489916	4362262.53483208	3977.7065122976203	3749.435004589627	3658.650881735911	3658.591965857476	90.81422831697	90.81422831697
7	180	134267	36698.1413	910537.3170250766	39.368605336373	-102.0969046	123204.915981778	4362258.421	3979.8075293183263	3747.9630720819637	3658.9468017986837	3658.9468017986837	91.062259648482	89.1320591025495
8	180	134268	36632.1413	910537.3170250766	39.36863042584122	-102.094575	1233406.4657409195	4362254.304165974	3975.4077892166407	3746.48177954133	3658.7688374952205	3658.7688374952205	97.5848641913874	97.5848641913874
9	180	134269	36581.1413	910537.3170250766	39.36865940276968	-102.092192	123481.95209584	4362250.39481628	3974.391391483024	3745.391391483024	3658.591391483024	3658.591391483024	98.7839927093492	
10	180	134270	36500.1413	910537.3170250766	39.3686803958351	-102.089452	123698.3089457963	4362246.07069858	3970.71051961467	3743.49125943329	3657.251763027095	3657.251763027095	94.36259343913574	86.2330993774806
11	180	134271	36434.1413	910537.3170										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
93	180	132553	-310221.1413	910537.3170250766	39.70590406647227	-11.8962498	250501.201002580	3481905.090888269	3796.1047970726154	352.4629024889307	3506.5796204889305	351.4234899593767	126.3157173468546	
94	180	132554	-309661.1413	910537.3170250766	39.7061525025844	-11.8939169	2507.02306997204	3481900.991132201	3794.511503119505	361.755106331394	3519.403760159509	350.9704809632987	121.7472653301747	
95	180	132555	-308891.1413	910537.3170250766	39.70639635	-11.8918918	2509.031478501262	3481872.2964578489	3796.0212660112284	368.811938112722	3517.440631385805	349.1303717983305	120.48102181739189	
96	180	132556	-308241.1413	910537.3170250766	39.7065742262699	-11.88925	2510.1452605411776	3481796.129272223	3796.129965036497	362.4653548017673	3514.6356349729085	351.8271681683985	121.337856582875	
97	180	132557	-307681.1413	910537.3170250766	39.70678451209294	-11.8869168	2513.056339177776	3481788.69308117	3797.83647853377	362.413268622405	3512.444037932262	350.0954757793046	118.2272829290447	
98	180	132558	-306921.1413	910537.3170250766	39.7069943472356	-11.8845835	2515.066431373361	3481684.954114605	3799.524256268254	362.170026243256	3510.075240276833	350.45250430269	117.645873216873	
99	180	132559	-306261.1413	910537.3170250766	39.7072037316972	-11.8822502	2517.08488890703	3481680.495361687	3798.321308913812	362.0328473570325	3507.628951938122	349.984784400876	116.270296164261	
100	180	132560	-305601.1413	910537.3170250766	39.707412665477	-11.879917	2519.0685909011093	3481676.98093536	3797.171765739695	361.877159092186	3505.490755287867	349.74170424938	122.135454847921	
101	180	132561	-304941.1413	910537.3170250766	39.7075214857655	-11.8778573	2521.010505898607	3481672.2964578489	3798.0212660112284	368.811938112722	3517.440631385805	349.1303717983305	120.48102181739189	
102	180	132562	-304281.1413	910537.3170250766	39.707629180939	-11.875254	2523.111695130032	3481689.2030441	3798.75256241185	361.5838284548934	3501.429157617817	348.915552710847	122.5875249249868	
103	180	132563	-303621.1413	910537.3170250766	39.7080367627283	-11.8729172	2525.12756972685	3481684.102356386	3782.570089959536	361.1438274143663	3500.086525671068	348.9874424569	122.9419344598037	
104	180	132564	-302961.1413	910537.3170250766	39.7082439	-11.8705839	2527.13203668612	3481600.046057915	3780.138497278963	360.9247258510244	3497.8886518049085	348.783263406117	116.4067044611592	
105	180	132565	-302301.1413	910537.3170250766	39.7084055471487	-11.8682506	2529.144879314624	3481855.900756304	3787.698984562345	360.715262090847	3495.7930370820717	349.0303526838657	116.323132826532	
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141	180	132601	-278541.14											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatHtBothKgs.ft
19	129	13267	-227061.1413	910537.3170250766	39.72905781449695	-11.6022496	275839.087059406	3431390.099226811	3569.2394050577426	3407.5095451941097	3323.627963544488	3342.8845573677326	83.7674853926154	64.5248962837713
220	180	13686	-226401.1413	910537.3170250766	39.72912126639902	-11.5999162	276400.483778048	3431396.42042987	3567.256240414488	3406.365832202382	3323.0470547770012	3317.8176373	69.3118843237023	
221	180	13268	-227181.1413	910537.3170250766	39.7290363995968	-11.5878189	276341.1667486674	3431391.860359413	3565.271319712323	3505.22245	3322.452435176032	3331.4789002174865	72.5437970486365	64.5248962837713
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223	180	13268	-224421.1413	910537.3170250766	39.7296745077305	-11.592916	276643.323909406	3431398.820290164	3563.0144554947236	3402.941130893523	3320.650915735336	3323.6674832052865	82.2902152482561	79.2737777830578
224	180	13268	-223761.1413	910537.3170250766	39.7297275542293	-11.5905826	276844.4021592875	3431399.729	3564.44655029261	3401.804011	3318.8614397367546	3320.24687333653	81.9425711377558	81.5712811389705
225	180	13268	-223011.1413	910537.3170250766	39.7298901500443	-11.5882492	277045.480	3431396.655202882	3565.87404112006	3400.6701565455114	3318.26339285544	3317.873976999493	84.3866712599693	83.7677795
226	180	13268	-222441.1413	910537.3170250766	39.730132295044	-11.5859158	277245.5579993194	3431361.582	3567.310783914114	3399.53072385301	3313.5742144840913	3314.528316835056	85.9642809	85.0115663224552
227	180	13267	-221781.1413	910537.3170250766	39.7296363995968	-11.5858283	277447.63899187726	3431397.058487054	3568.362018898287	3398.411842645458	3310.9521750165552	3317.8798910399124	86.49919247	86.29176118
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231	180	13269	-219141.1413	910537.3170250766	39.7308682594263	-11.5742487	278251.9437605195	3431341.218	3578.073311688055	3393.8923510536465	3300.9968319193154	3304.7396284134315	91.5123882181096	89.8527882181096
232	180	13269	-218481.1413	910537.3170250766	39.7310357001225	-11.5719153	278453.020256304	3431337.145864204	3578.694660991373	3392.7490860527	3306.408219322307	3304.7396284134315	90.1794425200457	90.1794425200457
233	180	13269	-217821.1413	910537.3170250766	39.7311846900526	-11.5699819	278654.0965337611	3431333.073620295	3578.694660991373	3391.5968591212943	3306.010779161454	3309.8310828925935	95.5659379993688	91.7647262000078
234	180	13269	-217161.1413	910537.3170250766	39.7313322203357	-11.5674284	278855.172930805	3431329.021878285	3578.65394915287	3390.435400310924	3303.655489579041	3307.0913438248513	96.7790171382926	93.344054807253
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236	180	13269	-215841.1413	910537.3170250766	39.7316289556399	-11.5625816	279257.32405814744	3431320.85930986	3575.456374637538	3389.04376825046	3309.7854101326225	3302.29513012877	98.3086669216987	95.8292459121697
237	180	13269	-215181.1413	910537.3170250766	39.7317761472004	-11.5602482	279458.399643308	3431316.78170307	3568.98573911031	3386.91569909848	3288.374422178315	3300.9321708970855	98.641272973	95.8359239899375
238	180	13269	-214521.1413	910537.3170250766	39.7319228790333	-11.5579147	279659.47863514984	3431312.717203319	3566.5205771244887	3385.7298748322133	3286.453213237835	3289.05178289165	99.26762190438233	96.67809194052523
239	180	13269	-213861.1413	910537.3170250766	39.7320991646377	-11.5555813	279860.549624901	3431308.646	3562.655952943807	3384.53530776243	3284.596407725934	3286.592174935816	99.9391230050881	97.94335584
240	180	13270	-213201.1413	910537.3170250766	39.732214995513	-11.5532473	280061.62437973125	3431304.57949959	3558.3584915716285	3383.334170721815	3283.549281234781	3285.408714189927	99.78218948703387	98.91927910282236
241	180	13270	-212541.1413	910537.3170250766	39.73237222321814	-11.550579	280276.6489178036	3431300.65840754	3558.3584915716285	3382.334170721815	3282.549281234781	3284.596407725934	99.78218948703387	98.91927910282236
242	180	13270	-211881.1413	910537.3170250766	39.73250513170804	-11.545851	280463.772335304	3431296.45466074	3549.870368221216	3380.958198522593	3282.0453820336613	3283.276107189977	98.8498155859759	97.6109414528163
243	180	13270	-211221.1413	910537.3170250766	39.73264979976675	-11.5426246	280664.8744491527	3431292.365523099	3548.2922632045113	3379.616598908213	3280.868734175675	3282.45659584603	97.2049614941899	97.2049614941899
244	180	13270	-210561.1413	910537.3170250766	39.7327938317253	-11.5439142	280865.9212342163	3431288.296	3545.310890453733	3378.417477812453	3280.8160844593376	3281.6977801384714	97.60139342190769	96.7195957272394
245	180	13270	-209901.1413	910537.3170250766	39.73293734130251	-11.5415808	281066.99059075916	3431284.22636161	3543.691858430557	3377.1608508471004	3279.832740031035	3280.8160844593376	97.60139342190769	96.7195957272394
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248	180	13270	-207921.1413	910537.3170250766	39.7333854523486	-11.5345805	281670.2143215216	3431272.0191	3537.92734251216	3373.720230425196	3279.832740031035	3280.8160844593376	97.60139342190769	96.7195957272394
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253	180	13271	-204621.1413	910537.3170250766	39.7340696356337	-11.5229133	282675.578	3431251.67707338	3527.85843669705	3366.44331903338	3270.77047315395	3270.408579040097	95.7065917197556	95.7065917197556
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255	180	13271	-203301.1413	910537.3170250766	39.73434843510224	-11.5182464	283077.719914058	3431243.2545177941	3524.934207038974	3363.460872581354	3268.19053477634	3269.408579040097	95.7065917197556	95.7065917197556
256	180	13271	-202641.1413	910537.3170250766	39.7344875028246	-11.515913	283278.791224464	3431239.47429258	3525.695459983612	3361.9407121982126	3266.815378630470	3266.815378630470	95.7065917197556	95.7065917197556
257	180	13271	-201981.1413	910537.3170250766	39.7346252037325	-11.5135795	283479.8623242666	3431235.17361303	3523.725502615134	3360.391246797976	3265.2126945046693	3265.2126945046693	95.7065917197556	95.7065917197556
258	180	13271	-201321.1413	910537.3170250766	39.7347629524686	-11.5112461	283680.93321120495	3431231.34033117	3522.695722183936	3358.8122365868394	3263.91474081041	3263.91474081041	94.8905672	94.8905672
259	180	13271	-200661.1413	910537.3170250766	39.7349022342764	-11.5089127	283882.0038396	3431227.73797978	3521.694335274533	3357.203964275587	3262.590230558887	3262.367496	94.6173590136367	94.6173590136367
260	180	13270	-200001.1413	910537.3170250766	39.735037043745	-11.5065792	284083.074343762	3431223.707728721	3521.694335274533	3356.5669679703315	3261.295638722184	3260.9710654433	94.4074293801737	94.4074293801737
261	180	13271	-199341.1413	910537.3170250766	39.7351724131814	-11.504258	284284.1667486674	3431219.65771858	3520.415984756074	3354.832087215587	3259.408579040097	3259.408579040097	94.6173590136367	94.6173590136367
262	180	13272	-198681.1413	910537.3170250766	39.73530933196534	-11.5019123	284485.2146240463	3431215.075	3516.661761952327	3352.210672594552	3257.90470128344	3257.90470128344	94.6173590136367	94.6173590136367
263	180	13272	-198021.1413	910537.3170250766	39.7354480000874	-11.4995789	284686.2844842546	3431211.008527212	3515.205369140234	3350.4965				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgs.f	BRfElevKbth.f	SurfElev.f	SurfThb.ft
335	13805	-143901.1413		910537.3170250766	39.74501930636896	-101.3082337	301173.306712287	4360878.27864432	3335.382381843149	3243.363043198224	3155.2528260010245	3157.2826355495486	38.11027119719974	86.0803895
346	13806	-143204.1413		910537.3170250766	39.7451173626096	-101.3059002	301374.3065895002	4360874.23834917	3331.0187108237387	3241.7206221478677	3154.5282041875959	3156.37548763577	37.1924179603585	84.9827763794059
347	13807	-142681.1413		910537.3170250766	39.74521446869067	-101.3036662	301676.4133224784	4360870.179804257	3328.751348061146	3240.97723902457	3153.2375433306245	3156.485900345025	36.8401861284938	83.5241381284938
348	13808	-141921.1413		910537.3170250766	39.74531223303046	-101.3012323	301776.456614757	4360865.1350527291	3328.4353934158664	3238.4353934158664	3152.455786239442	3155.901151922255	38.1293471759628	83.1293471759628
349	13809	-141261.1413		910537.3170250766	39.74540882680966	-101.2988996	301977.518205588	4360862.081739052	3318.2781234459384	3236.796571150039	3151.6573353786175	3154.8740525229007	38.1392357142168	81.9225188947486
350	13810	-140601.1413		910537.3170250766	39.74550500803544	-101.2965661	302178.5703553947	4360858.03104541	3314.054692	3235.1605588619286	3150.847692268237	3154.4076653699152	80.75218663969152	80.75218663969152
351	13811	-139941.1413		910537.3170250766	39.7456003422046	-101.2942326	302379.6223119705	4360853.94668752	3309.050435343184	3233.52653781973976	3150.032443923009	3152.4862481478795	83.4940490088867	81.04025645360252
352	13812	-139281.1413		910537.3170250766	39.7456962342576	-101.2918991	302580.6740279018	4360851.346341372	3304.6112863431704	3231.8947331645663	3149.2165259632662	3152.471738854815	82.67820720126974	79.4769943097048
353	13813	-138621.1413		910537.3170250766	39.74579111351871	-101.2896566	302786.72564101376	4360845.388939328	3298.72595946523	3229.72595946523	3148.031926073067	3151.8317678614652	78.43326717508396	78.43326717508396
354	13814	-137961.1413		910537.3170250766	39.745885353349	-101.2873221	302982.77017516383	4360841.841	3294.9572141623	3228.639632770235	3147.599048545199	3150.847710684004	77.037842250367	77.037842250367
355	13815	-137301.1413		910537.3170250766	39.7459796	-101.2848988	303183.828196805	4360837.929212613	3291.463942533388	3227.0113395011224	3146.8645959593385	3150.468038944683	76.1652270565616	76.1652270565616
356	13816	-136641.1413		910537.3170250766	39.7460731335461	-101.2825551	303384.8718524764	4360833.754702975	3289.4642044207645	3225.388712866293	3146.046530489275	3149.075924506996	75.24328679741727	75.24328679741727
357	13817	-135981.1413		910537.3170250766	39.7461662314885	-101.2802315	303585.928986045	4360829.69826477	3287.459338	3223.771026531895	3145.245895038858	3148.6018973009345	74.252195259277	75.1700191259277
358	13818	-135321.1413		910537.3170250766	39.7462588767958	-101.277898	303786.9805337136	4360825.65118166	3285.453831955157	3222.5638784819	3144.459904020546	3147.514532076793	77.7006384722731	74.7067236713061
359	13819	-134661.1413		910537.3170250766	39.7463510751075	-101.275545	303988.0309933627	4360821.60433357	3282.726623859637	3220.567351611008	3144.5300387068255	3146.320251	76.02731290418251	74.23710104
360	13820	-134001.1413		910537.3170250766	39.7464442620763	-101.273231	304189.08121165144	4360817.55778505	3282.782199578018	3218.861349893208	3143.67489253003	3145.27109155002	75.2836740020002	73.690235
361	13821	-133341.1413		910537.3170250766	39.7465341157031	-101.270875	304390.1312376128	4360813.51238614	3298.335775817436	3217.921985566144	3142.91865814327	3146.571913596008	74.4535247228748	70.8002846606059
362	13822	-132681.1413		910537.3170250766	39.746625	-101.268564	304591.180717319	4360809.4460208	3303.8893521642326	3215.78721587675	3142.23905639167	3145.5394159485789	69.8151450485789	69.8151450485789
363	13823	-132021.1413		910537.3170250766	39.7467153327431	-101.2662304	304792.23071421037	4360805.41836419	3308.25188401579	3214.206621057598	3141.769131899506	3151.18776812514	74.23748915809147	63.018829244461
364	13824	-131361.1413		910537.3170250766	39.7468062595252	-101.2638969	304993.280165254	4360801.370330249	3312.6283240136	3212.6283240136	3141.2458888857	3149.243194785948886	71.3857395	63.1437185948886
365	13825	-130701.1413		910537.3170250766	39.746894878781946	-101.2615634	305194.3294205703	4360797.32428885	3314.5948582959347	3210.57105280298	3140.7824841847642	3147.44475443744001	70.2692571	63.6069509582896
366	13826	-130041.1413		910537.3170250766	39.7469838	-101.2592299	305395.476396205	4360793.291972724	3317.763643424432	3209.474013609184	3140.338914359216	3146.11226784766	69.1355424296972	63.3621335132293
367	13827	-129381.1413		910537.3170250766	39.74707394183756	-101.256984	305596.427811638	4360787.468491115	3318.69458435597	3207.982051245434	3140.38634148302	3145.2537911962	68.25489490711462	62.5489490711462
368	13828	-128721.1413		910537.3170250766	39.74716055869066	-101.2545629	305797.47059195	4360785.11656556	3322.688116015576	3206.281755995564	3138.23621545535	3144.364150472695	65.31344530291	61.91760505229475
369	13829	-128061.1413		910537.3170250766	39.7472482478266	-101.2522293	305988.5254561484	4360781.146796385	3324.912133398824	3204.6465003144813	3138.5375700770446	3143.171048436686	64.108332032365	61.47545180791615
370	13830	-127401.1413		910537.3170250766	39.7473355	-101.2498958	306199.572662899	4360777.10231472	3327.1361507751967	3202.965295436024	3137.4354016305674	3141.31273004115515	65.5298959130303	61.6525671320509
371	13831	-126741.1413		910537.3170250766	39.7474223732859	-101.2475623	306400.629079554	4360773.057671631	3327.938368671967	3201.215377146436	3135.796212649004	3139.356507	64.88870555601	61.88870555601
372	13832	-126081.1413		910537.3170250766	39.747508697805	-101.2452288	306601.668906153	4360769.01340798	3327.318750388752	3199.357630887752	3143.022557656174	3137.6113012342725	63.1195433715789	61.7461256392455
373	13833	-125421.1413		910537.3170250766	39.74759448971354	-101.2428962	306802.176483907	4360764.869341115	3328.69635925564	3197.338917945425	3141.35817945425	3134.7914835352	62.5489490711462	62.5489490711462
374	13834	-124761.1413		910537.3170250766	39.74767930351264	-101.240517	307033.7429193757	4360760.925471652	3328.979623841	3217.12290944712	3138.421296440473	3141.5027777340025	66.68044470849	63.6191510760594
375	13835	-124101.1413		910537.3170250766	39.7477649151509	-101.2382282	307204.81165074446	4360758.81802733	3325.304504903203	3192.701479606683	3125.306781	3138.26130105652473	67.30496907	64.5714649534584
376	13836	-123441.1413		910537.3170250766	39.74784948471074	-101.2358847	307405.8582059246	4360752.8332334	3324.3735662814	3190.158776110474	3121.3149591	3142.67789	68.112862545878	64.5738749118741
377	13837	-122781.1413		910537.3170250766	39.74793333151176	-101.2335611	307606.90580167546	4360754.79500445	3322.443723574007	3184.46630482443	3118.626818633797	3142.3838955072	68.78991814864597	66.14829152737275
378	13838	-122121.1413		910537.3170250766	39.7480172	-101.2312276	307807.902594195	4360744.752	3322.531728079407	3184.643391367904	3115.41462462051624	3141.1229346070327	69.112862545878	66.14829152737275
379	13839	-121461.1413		910537.3170250766	39.7481003463373	-101.2288941	308008.999195367	4360740.79112174	3320.5762954254	3181.8258154652817	3115.378600347467	3115.306955479136	69.69515991738808	66.69515991738808
380	13840	-120801.1413		910537.3170250766	39.7481835063163	-101.226546	308210.0451438423	4360738.6645451	3318.7840281245434	3179.802051245434	3110.38634148302	3145.2537911962	68.25489490711462	68.25489490711462
381	13841	-120141.1413		910537.3170250766	39.7482673551264	-101.224227	308411.0918424593	4360732.83967858	3318.4124424631	3176.126336275596	3108.494165	3110.51025128911307	68.8219811329736	65.6050781114803
382	13842	-119481.1413		910537.3170250766	39.748347184132004	-101.221935	308612.13782794	4360728.51678415	3317.763049043623	3173.26250528572	3107.3639247525757	3109.16943397359	65.898505319631	64.9039713083235
383	13843	-118821.1413		910537.3170250766	39.7484286623778	-101.21956	308813.1837355967	4360724.5359743	3308.55201689929	3170.394199695007	3106.679813377252	3108.530487892635	63.7110659224886	61.86434031274742
384	13844	-118161.1413		910537.3170250766	39.7485095	-101.2172264	309010.2294017156	4360720.4749714911	3305.06386052833	3167.5272904647327	3106.69787037384	3108.466973480543	60.8294240273485	59.3603169847337
385	13845	-117501.1413		910537.3170250766	39.748598695903	-101.2148929	309215.2749824919	4360716.4560387	3301.5847015117596	3164.6297894373	3107.358355957052	3107.358355957052	55.31069689804	55.31069689804
386	13846	-116841.1413		910537.3170250766	39.748689925562	-101.2125954	309416.321905527	4360712.414545201	3298.10106421799	3161.798471547608	3108.73043752633	3110.061294653305	53.0680340425498	51.73717692
387	13847	-116181.1413		910537.3170250766	39.74878289927707	-101.2102882	309618.10149379103	4360704.331162923	3296.123134009565	3159.123134009565	3107.123134009565	3107.123134009565	50.73043714935767	50.73043714935767
388	13848	-115521.1413		910537.3170250766	39.7488706368928	-101.2078923	309818.10149379103	4360704.331162923	3296.123134009565	3159.123134009565	3107.123134009565	3107.123134009565	49.1702834171017	49.1702834171017
389	13849	-114861.1413		910537.3170250766	39.748960368928	-101.2055588	310019.4549257024	4360697.291278862	3292.383961652288	3153.21213293704	3118.179043386511	3119.168958743516	53.0330955	53.0330955
390	13850	-114201.1413		91053										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThLgts.ft	SatThBoth.ft
471	10	13291	-60741.14133	910537.3170250766	38.37538246574511	-01.0142077	426054.50871565647	430369.612708569	3167.7450176780562	2994.4507607607485	2926.300372831441	2926.178894248706	68.2271901281794	68.2271901281794
472	10	13292	-60081.14133	910537.3170250766	38.37536659175727	-01.0118742	32675.50350120548	43603.965285588	3170.625002172663	2924.646785364548	2924.489474186769	68.2402930697448	68.86573148744748	68.86573148744748
473	10	13293	-59421.14133	910537.3170250766	38.37539067289234	-01.008646	26896.5685153727	436381.56404031	3174.5077862749996	2992.25305	2922.562368286324	2922.6645937271637	69.1857807382781	69.58073001607
474	10	13294	-54761.14133	910537.3170250766	38.3753047055041	-01.0107201	10177.5071759816184314	43603.5739951801	3176.3895652387546	2991.1505926238751	2920.3493655932196	2920.383423379366	70.0015960231617	70.7677092244447
475	10	13295	-58101.14133	910537.3170250766	38.3753986933147	-01.0048735	327308.6273696633	43603.5316049941	3176.412283131093	2993.043492022253	2916.962813386013	2916.9710716928494	73.08053364422396	73.0716475037391
476	10	13296	-57441.14133	910537.3170250766	38.3754024503549	-01.0025399	327509.656490327	43603.492433886	3178.34168321196	2992.51468321196	2912.5780342124	2912.510821597614	76.2405943109218	76.2405943109218
477	10	13297	-56781.14133	910537.3170250766	38.3754056466247	-01.0002064	327710.68609017174	43603.48974481	3179.740589	2996.614794562195	2906.63949825195	2906.63949825195	81.1748802894643	81.1748802894643
478	10	13298	-56121.14133	910537.3170250766	38.375410401212406	-00.9987828	327911.715063217	43603.441	3187.904745305234	2996.61972403283	2900.57929723207	2900.571278849634	86.1126701971234	86.1786341780748
479	10	13299	-55461.14133	910537.3170250766	38.375414211685275	-00.9965932	328112.7436883376	43603.3742847396	3188.593321541554	2998.271962290249	2902.6645937271637	2902.6645937271637	91.0636783951057	91.0636783951057
480	10	13300	-54801.14133	910537.3170250766	38.37541799	-00.9932057	328313.72506183	43603.39973768	3195.720948329272	2984.477935262753	2899.191367207464	2898.303241180251	93.2630591	95.12475234602425
481	10	13301	-54141.14133	910537.3170250766	38.37542169739982	-00.9908721	328514.8009764082	43603.3971105695	3155.2103679164675	2884.853890142883	2884.853890142883	2884.853890142883	96.234514524674511	98.3087339237548
482	10	13302	-53481.14133	910537.3170250766	38.3754257264149	-00.9885385	328715.82927941787	43603.3524352665	3150.69877443212	2882.135174676038	2880.711865105242	2880.947224022807	101.1854522707183	101.1854522707183
483	10	13303	-52821.14133	910537.3170250766	38.37542900280606	-00.986205	328918.584154185	43603.33232578	3160.34206294418	2880.977148706455	2877.0908768230297	2877.0908768230297	103.66340114729267	103.66340114729267
484	10	13304	-52161.14133	910537.3170250766	38.375432879335	-00.9838714	329117.8853641505	43603.317029944	3164.1916345133995	2879.0998900423	2873.72723883598	2873.72723883598	106.0826096006641	106.0826096006641
485	10	13305	-51501.14133	910537.3170250766	38.375436172903024	-00.9818378	329319.8187312126	43603.2899349	3148.02599349999	2978.631281975013	2870.520096765496	2870.6993212410837	110.1116943200522	107.9319137666961
486	10	13306	-50841.14133	910537.3170250766	38.3754390228371	-00.9792043	329519.940623161	43603.26716956	3147.8544842558213	2977.44008488521	2867.65311110526	2867.65311110526	110.7885737802637	109.89710862974
487	10	13307	-50181.14133	910537.3170250766	38.37544307289335	-00.9768707	329720.1682904317	43603.254232093	3146.38502556529	2976.23603381903	2864.93807952596	2864.68185409769	111.2979541230377	110.55179812103
488	10	13308	-49421.14133	910537.3170250766	38.37544648	-00.9745371	329921.99559746427	43603.232344837	3143.61483294922	2975.01837009242	2865.193587422853	2864.91055240535	109.89710862974	110.55179812103
489	10	13309	-48861.14133	910537.3170250766	38.37544983717432	-00.9722036	330123.02273573974	43602.971805811	3140.844341038086	2973.78600476872	2868.564028922426	2868.5223510693196	105.2219758463352	106.2638969440728
490	10	13310	-48201.14133	910537.3170250766	38.37545315179912	-00.969687	330324.04970873975	43602.922026118	3138.0739987767418	2972.537154367866	2871.791507423243	2871.9246114938787	100.7546694154378	100.6125428790774
491	10	13311	-47541.14133	910537.3170250766	38.37545642134676	-00.9675364	330525.07651571254	43602.911269835	3135.1884484313995	2971.267766038664	2874.457061853335	2874.765429078114	99.56072142	96.5027953375303
492	10	13312	-46881.14133	910537.3170250766	38.37545964581727	-00.9652029	330734.2950540683	43602.8951077129	3132.187691202317	2969.974968265677	2874.032667164537	2874.374261987913	95.944881549321	96.50076027816143
493	10	13313	-46221.14133	910537.3170250766	38.375462861081	-00.962969	330940.4590274536	43602.874553717	3129.11312327299	2968.270289115954	2871.923348612956	2871.923348612956	118.338942592211311	117.6789898257992
494	10	13314	-45561.14133	910537.3170250766	38.3754659452681	-00.9605357	331128.1559474941	43602.771037005	3126.167159435265	2967.35019757134	2865.269662739787	2865.45667658926	102.046523353625	101.8628401050803
495	10	13315	-44901.14133	910537.3170250766	38.37546904876585	-00.9582021	331329.1820953365	43602.73084634	3122.22644724024	2965.955306	2859.369932087881	2859.486330348869	106.0826096006641	106.0826096006641
496	10	13316	-44241.14133	910537.3170250766	38.3754720929771	-00.9558866	331530.280789465	43602.690759682	3117.30774472606	2964.566851468973	2854.136710361895	2854.136710361895	110.430741107682	110.293868132086
497	10	13317	-43581.14133	910537.3170250766	38.37547509201239	-00.953535	331731.2339862344	43602.651250523	3112.389047687838	2963.554897596014	2848.5757176952615	2848.566941948856	111.5787010643393	111.5787010643393
498	10	13318	-42921.14133	910537.3170250766	38.375478046019914	-00.9512014	331932.2595638477	43602.611938892	3107.47740348	2961.722888122395	2844.60777342049	2844.528406361317	111.71440897176063	117.19428185090783
499	10	13319	-42261.14133	910537.3170250766	38.37548106740835	-00.9488678	332134.2950540683	43602.5739951801	3102.28474553717	2960.270096919584	2842.574343053624	2842.574343053624	118.338942592211311	117.6789898257992
500	10	13320	-41601.14133	910537.3170250766	38.37548418803333	-00.9465434	332340.51073734307	43602.531938168	3100.330530207	2958.99374718453	2839.989754718453	2839.989754718453	118.338942592211311	117.6789898257992
501	10	13321	-40941.14133	910537.3170250766	38.375486637579314	-00.9442007	332535.353876297	43602.4958189058	3098.83357536716	2957.32722544345	2838.04102379348	2838.055723468053	119.2862014640965	119.2862014640965
502	10	13322	-40281.14133	910537.3170250766	38.37548941127941	-00.9418672	332736.360450534	43602.449665442	3096.370710920753	2955.86274690408	2836.212677801116	2836.25350712984	119.6091291029748	119.6091291029748
503	10	13323	-39621.14133	910537.3170250766	38.37549213990033	-00.9395336	332937.3847940913	43602.404928	3094.5710921623	2954.4609989807	2834.5895965622626	2834.5895961607605	119.8564132464442	119.8564132464442
504	10	13324	-38961.14133	910537.3170250766	38.37549482345216	-00.9372	333138.410556152	43602.35910214649	3092.594528625854	2953.14246671818	2833.586295500193	2833.478562539681	119.5567111848993	119.6638419050711
505	10	13325	-38301.14133	910537.3170250766	38.375497461911229	-00.9348664	333339.4346954555	43602.328285443	3090.834891799567	2952.021508413294	2833.261186966047	2833.1534243059113	119.70889871722954	118.9589048031573
506	10	13326	-37641.14133	910537.3170250766	38.3755000353214	-00.932539	333540.4590274536	43602.2874553717	3088.11312327299	2950.923189714956	2831.923348612956	2831.923348612956	118.338942592211311	117.6789898257992
507	10	13327	-36981.14133	910537.3170250766	38.37550260361477	-00.9301963	333741.4832100804	43602.244857	3086.72989205396	2950.12439838166	2834.203539509373	2834.101246913286	115.933824739382805	116.0327339382805
508	10	13328	-36321.14133	910537.3170250766	38.3755051085017	-00.9278657	333942.50723753596	43602.20.8362584	3083.684325985738	2949.275913875084	2834.865972212338	2834.8063586396304	114.4099416537066	114.4099416537066
509	10	13329	-35661.14133	910537.3170250766	38.37550765008334	-00.9255322	334143.5311	43602.163897581	3080.638759916205	2948.40748852255	2835.574013461805	2835.574013461805	112.833233360644	112.9041141225162
510	10	13330	-35001.14133	910537.3170250766	38.375509780923	-00.9231986	334344.55480763025	43602.12.8056119	3077.593183947628	2947.522755937163	2836.282803924676	2836.282803924676	111.4932629446954	111.4932629446954
511	10	13331	-34341.14133	910537.3170250766	38.37551234609288	-00.920885	334545.5780567797	43602.08.78865605	3074.726944658856	2946.6152547185239	2837.404546785858	2837.404546785858	109.20679706001192	109.20679706001192
512	10	13332	-33681.14133	910537.3170250766	38.37551466901917	-00.9185314	334746.6017326677	43602.04.73909438	3072.04007177089	2945.681074025373	2836.829573581644	2836.829573581644	106.8513205	106.8513205
513	10	13333	-33021.14133	910537.3170250766	38.3755169840327	-00.916284	334947.64801420084	43602.00.73909438	3069.66160381796	2944.726278515354	2836.089146671464	2836.089146671464	103.933824739382805	103.933824739382805
514	10	13334	-32361.14133	910537.3170250766	38.37551917964038	-00.9139843	335148.64801420084	43601.99.73909438	3066.66160381796	2944.726278515354	2836.089146671464	2836.089146671464	101.07673534377	101.07673534377
515	10	13335	-31701.14133	910537.3170250766	38.37552137	-00.9115307	335349.6709143325	43601						

ix	iy	x	Yr	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIElevKgrg.Ft	BRIElevBothKgrg.Ft	SatHtKgrg.Ft	SatHtBoth.Ft	
597	190	133057	22416.85867307335	Y.015037.3170250766	39.7554736013229	-100.72017776	351833.0224767588	459864.086420361	2982.093422	2739.7687760017143	2730.82227345753325	58.317323293857	58.6616348682306
598	190	133058	22417.85867307335	Y.015037.3170250766	39.7554580640758	-100.717844	352034.0327745145	459860.068438175	2980.7913178972778	2737.286115	2735.8867143065027	58.39400150162714	58.49073827735316
599	190	133059	22418.85867307335	Y.015037.3170250766	39.75543668170176	-100.7158104	352225.0429303719	459856.084133065	2978.025473187878	2735.9911772131794	2733.8324340270785	58.3548622920783	57.91896714077626
600	190	133060	24398.85867307335	Y.015037.3170250766	39.7554256372627	-100.7131769	352345.0524482674	459852.0852034396	2978.1590115821187	2732.18891131794	2732.1946130938794	57.4254580817899	54.76000513893546
601	190	133061	25058.85867307335	Y.015037.3170250766	39.75540474769676	-100.7108433	352637.0628118529	459848.098	2974.571557845443	2780.753872724427	2724.829711235669	57.22266969139705	55.9247614075801
602	190	133062	25178.85867307335	Y.015037.3170250766	39.75539140735775	-100.7085097	352838.0725	459844.090376999	2972.430348123145	2771.864042381103	2719.573777087515	56.7390524074234	50.02957104
603	190	133063	26378.85867307335	Y.015037.3170250766	39.7553736162452	-100.7061762	353039.08212299884	459840.091758241	2969.4576198492555	2718.78278220686	2718.400017630557	57.6847312855939	57.72751808619978
604	190	133064	27038.85867307335	Y.015037.3170250766	39.7553536743601	-100.7038426	353240.0915651883	459836.093336107	2968.9608944411963	2717.4344124	2718.786262348485	58.61769774103141	55.47519772489701
605	190	133065	27698.85867307335	Y.015037.3170250766	39.75533668170176	-100.701609	353441.1006953862	459832.0871105878	2968.120763244269	2717.2245472271578	2717.17841986679	57.1610341433314	54.066625920783
606	190	133066	28368.85867307335	Y.015037.3170250766	39.75531753027106	-100.6991754	353642.1100238313	459828.079018575	2968.281355645930	2717.006882361103	2717.006882361103	57.18271256832	56.27351563
607	190	133067	29018.85867307335	Y.015037.3170250766	39.7552979440659	-100.6968419	353843.1194006928	459824.092493268	2968.385054214234	2767.36748335554	2707.29594482079	57.13285693023465	50.66189790147655
608	190	133068	29678.85867307335	Y.015037.3170250766	39.75527279	-100.6945083	354044.12796118914	459820.101613579	2967.976697334283	2765.77697417146	2715.10217278885	57.04012550091214	50.57584740820424
609	190	133069	30368.85867307335	Y.015037.3170250766	39.7552534033404	-100.6921747	354245.1352057465	459816.10417489	2963.054615324483	2702.932484046339	2715.1917927270003	56.62054528414357	49.3615965748794
610	190	133070	30988.85867307335	Y.015037.3170250766	39.7552336568179	-100.6898411	354446.1524439026	459812.10683106	2961.132532715688	2703.3315627319	2700.6949898442333	57.1181006181213	50.60832578
611	190	133071	31658.85867307335	Y.015037.3170250766	39.7552150552285	-100.6875078	354647.1539625945	459808.109893766	2959.736837150025	2759.43932478448	2698.3965457589565	57.110461143294	49.9252684898228
612	190	133072	32318.85867307335	Y.015037.3170250766	39.75519321145504	-100.685174	354848.1620086115	459804.113302527	2958.872927553547	2756.7840897531	2697.319476075414	57.06545756840263	49.5645322598982
613	190	133073	32978.85867307335	Y.015037.3170250766	39.7551701261464	-100.6828044	355049.1701803357	459800.116	2958.0072183150714	2754.527789049513	2695.66022018539	57.02705876570383	49.78660688412525
614	190	133074	33638.85867307335	Y.015037.3170250766	39.7551481630014	-100.6805095	355250.1782119594	459796.11926874	2957.1415090756231	2752.272572178034	2694.286005623019	57.00846457497473	49.598656642596
615	190	133075	34298.85867307335	Y.015037.3170250766	39.7551242662161	-100.6781733	355451.1861036342	459792.12366971	2956.041362631622	2750.01810340044	2692.603435390232	57.01454695876514	42.3773471868332
616	190	133076	34958.85867307335	Y.015037.3170250766	39.7551013114579	-100.6758397	355652.1985535847	459788.172630381	2954.73069776668	2747.763105440208	2690.799860820963	57.06332561690406	41.1993674743908
617	190	133077	35618.85867307335	Y.015037.3170250766	39.7550772095272	-100.6735061	355853.2014680138	459784.131736696	2953.372013278734	2745.507210629285	2688.82493366128	57.0369463861214	41.81256301784264
618	190	133078	36278.85867307335	Y.015037.3170250766	39.7550552656243	-100.6711726	356044.2089411275	459780.1306	2952.03735687079	2743.50027855425	2686.662431173813	56.9875968	43.40400661693033
619	190	133079	36938.85867307335	Y.015037.3170250766	39.7550326834488	-100.668829	356245.2197135467	459776.1259193854	2950.821679380784	2741.853087337384	2684.39982297379	57.194641830514	37.76920098903
620	190	133080	37598.85867307335	Y.015037.3170250766	39.7550022	-100.6665054	356455.2234070216	459772.145314988	2948.79706047297	2738.2717385593976	2681.627504539405	56.9942059024706	37.0942301992555
621	190	133081	38258.85867307335	Y.015037.3170250766	39.7549762048116	-100.6641719	356657.2506263005	459768.152043088	2946.79567460935	2736.457353687786	2678.8254747453198	56.980709076074	36.5526260324867
622	190	133082	38918.85867307335	Y.015037.3170250766	39.75495038328895	-100.6618383	356858.2345443606	459764.15549540	2944.70150924465	2734.77446408864	2675.960427516657	56.9873671814384	36.2173121922075
623	190	133083	39578.85867307335	Y.015037.3170250766	39.7549231317246	-100.6599047	357059.2442241495	459760.16661513	2943.06526722202	2731.9047625672202	2673.162461262287	56.9851104665169	36.06598225014
624	190	133084	40238.85867307335	Y.015037.3170250766	39.7548959	-100.6571711	357260.2506567906	459756.166169919	2942.7472890148484	2729.648878356197	2670.653239064535	56.98513629867124	35.4286949806393
625	190	133085	40898.85867307335	Y.015037.3170250766	39.7548681628793	-100.6548276	357461.257266126874	459752.171874762	2941.65580816824	2727.4165868325193	2668.11440789325	56.9833648642834	35.15659925917505
626	190	133086	41558.85867307335	Y.015037.3170250766	39.754840073398	-100.6525094	357642.26753041	459748.17776031	2940.52721004105	2724.890220414673	2667.1498471400907	56.9819454757774	35.07935479065285
627	190	133087	42218.85867307335	Y.015037.3170250766	39.7548114	-100.6501704	357863.26969381045	459744.183873175	2942.279726	2723.123896	2667.7847673439564	56.97265605	35.0339122859358
628	190	133088	42878.85867307335	Y.015037.3170250766	39.7547873323217	-100.6478739	358064.2705505264	459740.19016712	2940.138420587362	2721.14538436402	2666.6327879737343	56.97085791974623	35.0245686398939
629	190	133089	43538.85867307335	Y.015037.3170250766	39.7547528261254	-100.6455033	358265.28200923325	459736.196658308	2937.991714909754	2719.37993039696	2665.016045719403	56.9709247339603	35.02194557
630	190	133090	44198.85867307335	Y.015037.3170250766	39.754722641421	-100.6431697	358466.2879264215	459732.20334207	2935.85509396471	2717.9173742671297	2663.501105749331	56.97085791974623	35.02194557
631	190	133091	44858.85867307335	Y.015037.3170250766	39.7546924514018	-100.6408362	358667.2930719864	459728.20284237	2934.8084736239557	2716.271177362066	2661.60392323274	56.97085791974623	35.02194557
632	190	133092	45518.85867307335	Y.015037.3170250766	39.7546618217049	-100.638492	358868.2915139467	459724.21706115	2933.75105852007	2714.853087337384	2660.198213871954	56.97085791974623	35.02194557
633	190	133093	46178.85867307335	Y.015037.3170250766	39.7546302735965	-100.636169	359069.306593902	459720.22221421	2932.7491743225594	2713.732959429276	2657.263037605797	56.97194579024781	35.02194557
634	190	133094	46838.85867307335	Y.015037.3170250766	39.7545985055144	-100.6338354	359270.3098313517	459716.232054483	2934.948376771095	2712.544417362564	2655.859548	56.9694967417084	35.02194557
635	190	133095	47498.85867307335	Y.015037.3170250766	39.75456629274885	-100.6315019	359471.314967483	459712.237923191	2933.822489	2711.3932251441554	2655.05855744052	56.96721091244354	35.02194557
636	190	133096	48158.85867307335	Y.015037.3170250766	39.7545336	-100.6291683	359672.32	459708.24758239	2931.524077	2710.25317382102	2654.299523561424	56.96721091244354	35.02194557
637	190	133097	48818.85867307335	Y.015037.3170250766	39.75450086857575	-100.6268347	359873.3482303833	459704.25564915	2929.256655579095	2710.12355948015	2653.330681696706	56.96721091244354	35.02194557
638	190	133098	49478.85867307335	Y.015037.3170250766	39.7544692451018	-100.6245012	359867.32566596	459700.26307312	2928.92730730271	2707.96228496576	2651.9379702976	56.97085791974623	35.02194557
639	190	133099	50138.85867307335	Y.015037.3170250766	39.754438217049	-100.6221834	359867.32566596	459696.273048278	2928.92730730271	2707.96228496576	2651.9379702976	56.97085791974623	35.02194557
640	190	133100	50798.85867307335	Y.015037.3170250766	39.7543944616217	-100.6198134	360076.338178913	459692.260110131	2927.9713251022594	2705.68194672263	2649.602996175678	56.97085791974623	35.02194557
641	190	133101	51458.85867307335	Y.015037.3170250766	39.754363315673	-100.6175005	360277.342343575	459688.2988521234	2919.45453318197	2704.393281182883	2647.54222003691	56.96972284167832	35.02194557
642	190	133102	52118.85867307335	Y.015037.3170250766	39.7543281634184	-100.6151669	360487.3471342996	459684.29891251	2918.45738251338	2703.146831946014	2645.340523610445	56.96810155027578	35.02194557
643	190	133103	52778.85867307335	Y.015037.3170250766	39.754292383454	-100.6128333	361079.3511914175	459680.38014028	2917.450219085525	2701.849253699455	2642.980593239827	56.96810155027578	35.02194557

ix	iy	ic	X.Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SatThLofts.f	SatThBoth.f
72	130	13183	10858.85867307335	Y105037.3170250766	39.37499660880891	-100.426149	17599.2593	4393961.682414376	1731.8715197442411	2591.9658548787895	2521.227305880828	2521.29209087988373	70.29584819796132	70.66475567959227
724	130	13184	106238.85867307335	Y105037.3170250766	39.37498937539445	-100.423815	377360.2519548705	4393957.70522207	2708.0666201785903	2580.877965377322	2520.243286868695	2520.373720574217	70.43846776853072	70.14094803603113
725	130	13185	106988.85867307335	Y105037.3170250766	39.37498747935889	-100.424819	37867.2469506647	4393953.82545178	2689.4021429813434	2589.7981487544134	2519.529960980286	2520.3681498123034	70.28819814576129	69.43084962237045
726	130	13186	107058.85867307335	Y105037.3170250766	39.37497477333479	-100.4191484	37692.2405847318	4393949.75824477	2690.1956175709446	2585.7802857227	2514.902639000826	2515.82736553688	73.7256382496988	72.8912327185484
727	130	13187	108218.85867307335	Y105037.3170250766	39.37496704693631	-100.4168148	377963.234180426	4393945.780418965	2686.37401375113	2586.330273546358	2504.5398213468116	2504.712368905248	83.1005061566454	82.92796714710391
728	130	13188	108088.85867307335	Y105037.3170250766	39.37495990974205	-100.4144813	378164.2275021577	4393941.80908827	2687.9391268071	2586.5643000789596	2493.4607336279137	2492.78319079014	83.1036654104594	83.7907982825816
729	130	13189	109538.85867307335	Y105037.3170250766	39.374952317861	-100.4121478	378365.2207585232	4393937.836	2689.50364329409	2585.483636800416	2489.112268274888	2488.023964133178	97.464148609365	97.464148609365
730	130	13190	110158.85867307335	Y105037.3170250766	39.37494502830683	-100.4098142	378566.2139572634	4393933.86225187	2681.086159671552	2584.408984410268	2494.786815205536	2494.62360583101076	89.62213370045176	89.62213370045176
731	130	13191	108588.85867307335	Y105037.3170250766	39.37494797825889	-100.4074887	378767.2070045647	4393928.888751956	2688.5567846483384	2583.321168681728	2500.3587189385714	2500.863682011583	79.96891746156765	69.45887878014522
732	130	13192	111518.85867307335	Y105037.3170250766	39.3749268533479	-100.4051472	378968.199639851	4393915.9142482	2684.963795537338	2582.21419	2512.102699174319	2512.8942559393765	70.02049672020016	70.3191635260331
733	130	13193	1122463.85867307335	Y105037.3170250766	39.374922136321	-100.4028136	379169.1297594406	4393921.824290833	2680.880298881169	2581.065370224242	2520.5241915681245	2520.676886212325	60.54117865611761	60.54117865611761
734	130	13194	112838.85867307335	Y105037.3170250766	39.37491456205817	-100.4004801	379370.1854634393	4393917.96	2675.794617985835	2579.88524679144	2528.06320828491	2527.606719662189	51.82143580405293	52.27855016955124
735	130	13195	113498.85867307335	Y105037.3170250766	39.37490683	-100.3981466	379571.17805221367	4393913.996611898	2674.451064399755	2578.69275684371	2533.205426596845	2532.6608203314447	45.4367338274317	45.4367338274317
736	130	13196	114148.85867307335	Y105037.3170250766	39.37489906	-100.395813	379772.1705265281	4393910.02405588	2676.30645934647	2577.497467439421	2535.1015008177383	2534.1015008177383	42.39596661268274	43.104978521072
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1	130	13201	-370941.1431	Y11197.3170250766	39.3702681065697	-102.1109359	323002.254277667	4392480.442716794	3990.9268212602596	3575.589644265886	3646.57988332328	3645.782018	108.0974593355795	108.0762631131574
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3	130	13203	-369621.1431	Y11197.3170250766	39.3703173864962	-102.1062966	322404.5179323078	4392476.205912492	3986.891796946646	3752.7197343950443	3649.537962455538	3649.131472356754	108.177119395051	103.5882603289204
4	130	13204	-368961.1431	Y11197.3170250766	39.3703416968389	-102.1039364	322605.6459537521	4392472.08	3984.757396906663	3751.2723658255049	3653.99965255049	3653.979712150265	107.2381677281534	97.29324477281534
5	130	13205	-368291.1431	Y11197.3170250766	39.37036926115343	-102.1017211	322806.782616541	4392467.9078	3982.78193817983	3750.6819217983	3657.15180277983	3657.15180277983	82.4224230034848	82.4224230034848
6	130	13206	-367641.1431	Y11197.3170250766	39.37039291	-102.09927	323007.9114314048	4392463.85221865	3980.548351071366	3748.351975134525	3658.193021026437	3658.296190070161	90.1589500405295	90.05756043127
7	130	13207	-366981.1431	Y11197.3170250766	39.37041799757584	-102.0969368	323209.0426075245	4392459.734711605	3978.23334417692	3748.351975134525	3658.886178003116	3658.922682136906	79.9920879089299	87.9555684810389
8	130	13208	-366321.1431	Y11197.3170250766	39.37043037682875	-102.0946307	323410.172439391	4392451.61426887	3975.705522172403	3745.3950829139303	3659.254093259206	3659.24367493929	86.140895890699	86.15143497
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10	130	13210	-365001.1431	Y11197.3170250766	39.370498270081	-102.0899373	323812.4323900223	4392447.3842465	3970.64897784128	3742.399997521054	3658.24512577579	3658.313031592412	84.15487176935284	84.0860953496358
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13	130	13213	-363021.1431	Y11197.3170250766	39.37057656227323	-102.082377	324415.8203821184	4392435.034	3965.0523164513033	3737.83569	3652.176878427776	3652.162658303866	85.0861905841223	85.07961171060324
14	130	13214	-362361.1431	Y11197.3170250766	39.37059233	-102.080045	324618.94971270943	4392431.97890627	3963.31885537011	3736.294783527913	3650.5653071015528	3650.5653071015528	75.7294813104667	75.7098151295438
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16	130	13216	-361041.1431	Y11197.3170250766	39.37064171618392	-102.0759381	325019.2059153796	4392426.8632209	3960.812328019938	3733.1812781658837	3648.834069105558	3648.871671726363	84.3742096	84.3036548324741
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18	130	13218	-359721.1431	Y11197.3170250766	39.37069095115343	-102.0712711	325421.4617	4392414.45550612	3956.825932424833	3729.028461329105	3647.51180237375	3647.51180237375	82.4224230034848	82.4224230034848
19	130	13219	-359061.1431	Y11197.3170250766	39.37071550453958	-102.0688385	325620.589127932	4392410.8414815	3955.485124010242	3728.40142785553	3646.192105074655	3646.302284941263	82.2370771089773	82.1378578428956
20	130	13220	-358401.1431	Y11197.3170250766	39.37074	-102.066053	325823.716340104	4392406.2556385	3956.29675	3726.848171171852	3644.362890677324	3644.469819990914	82.4852320452005	82.3787221283817
21	130	13221	-357741.1431	Y11197.3170250766	39.37076458114394	-102.0642721	326024.8432921283	4392402.11902721	3954.31885537011	3736.294783527913	3650.5653071015528	3650.5653071015528	75.7294813104667	75.7098151295438
22	130	13222	-357081.1431	Y11197.3170250766	39.3707886730297	-102.0619388	326225.968915496	4392397.99645207	3952.90209254307	3732.67016256838	3640.2806583819718	3640.375125693837	83.2842467229966	83.2972527671518
23	130	13223	-356421.1431	Y11197.3170250766	39.37081321425615	-102.0599056	326427.0964947467	4392393.882178254	3952.136542827609	3722.019261650846	3638.521935906616	3638.5496927172435	83.6988876	83.541661110262
24	130	13224	-355761.1431	Y11197.3170250766	39.37083750442362	-102.0572724	326628.2257610934	4392389.781057345	3948.757944935483	3720.6354054262	3636.978447250536	3636.98816835769	83.5446674027837	83.6351612951296
25	130	13225	-355101.1431	Y11197.3170250766	39.37085961915343	-102.0549724	326829.3616886161	4392384.14842426	3946.825932424833	3719.36620383293	3635.584871484246	3635.584871484246	82.4224230034848	82.4224230034848
26	130	13226	-354441.1431	Y11197.3170250766	39.3708838539738	-102.052606	327036.21474236307	4392380.55460493	3945.102470732042	3717.43339	3633.824102320423	3633.197116122963	83.6182408734876	84.20077267345484
27	130	1322												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKsg.ft	BRiElevBothK.ft	SatHtKgs.ft	SatHtBoth.ft
109	13310	-299661.1413	111.917.3170250766	39.372739949389064	-101.8589439	353723.01371989017	43620.40096996311	3770.9567962693104	3598.1327789813986	3489.359792	3482.128279116672	108.72986989234662	116.00449684672677	
110	13310	-299001.1413	111.917.3170250766	39.372736036205954	-101.8566105	253924.1181484986	43620.36712010658	3770.014096774485	3596.014498584412	3488.10677980787	3484.819785484414	107.30771873444003	111.19452310003319	
111	13311	-298491.1413	111.917.3170250766	39.37269079075313	-101.8542774	254125.2224044147	43620.383628219	3767.87442200142816	3591.8999462331465	3489.870961351317	3481.9104981822684	108.937576703234	108.98493694709626	
112	13312	-297681.1413	111.917.3170250766	39.37260114383057	-101.8519268	254326.3263847318	43620.3751241461	3764.8700433050527	3591.7786033185897	3488.1521717563082	3480.8191166033388	105.13589845228149	103.1589845206177	
113	13313	-297021.1413	111.917.3170250766	39.37282145183206	-101.8496105	254527.4301200648	43620.2041057903	3761.781139	3589.6524256289795	3485.7896581949026	3487.8558969682244	103.86276743074689	101.7382866075503	
114	13314	-296361.1413	111.917.3170250766	39.37284171477605	-101.8477272	254728.5336126087	43620.2530705305	3758.62839377665	3587.25149503217	3485.7294290663377	3487.85136478116	101.7206252559333	99.6641630	
115	13315	-295701.1413	111.917.3170250766	39.37286193264403	-101.8449438	254929.6386625731	43620.229292483	3755.45369487312	3585.384164	3485.462491396955	3481.0627310995367	99.9821127765501	104.32143251504613	
116	13316	-295041.1413	111.917.3170250766	39.37288215044211	-101.8426105	255130.73987016434	43620.01213711322	3752.059497443947	3583.284193032046	3484.181804941891	3454.478413478795	99.05683112827956	128.76662511544562	
117	13317	-294381.1413	111.917.3170250766	39.37290793180255	-101.8402771	255331.8472555272	43620.038628421	3748.974462556136	3580.974462556136	3482.6710242365273	3436.5454961121898	94.1882022463714	144.84446511175154	
118	13318	-293721.1413	111.917.3170250766	39.37292222	-101.8379438	255552.9452509119	43620.0343184232	3745.374462556136	3578.932055658606	3479.724354004137	3431.0298918749337	96.2076716544232	147.9021382069692	
119	13319	-293061.1413	111.917.3170250766	39.3729423342653	-101.8356104	255734.04750471138	4361.999948168881	3742.5047441761385	3576.7658248704135	3476.05901729938	3432.0068567974652	104.78802557101554	144.7859927924812	
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121	13321	-291741.1413	111.917.3170250766	39.37298222333262	-101.8309437	256136.2513796628	4361.9916881507	3737.745465400757	3572.411458734552	3469.215530508891	3437.543361	103.1599153465437	134.867845829717834	
122	13322	-291081.1413	111.917.3170250766	39.37300215770496	-101.8286104	256337.3529373257	4361.9945443366	3735.365806115276	3570.22378657474	3466.229035221964	3460.368303868607	103.9942435121783	132.4247179049675	
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127	13327	-287781.1413	111.917.3170250766	39.37310130160663	-101.8169436	257342.8571517647	4361.96579555442	3718.6559718850778	3559.089271142594	3543.332406372968	3457.91819482365	104.75686476662619	101.8974516022688	
128	13328	-287121.1413	111.917.3170250766	39.3731206356294	-101.8146102	257543.9572304816	4361.96032038022	3715.618052195617	3558.09283657084	3452.455205303444	3456.78813222915	104.7536778626397	100.10211200434189	
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132	13332	-284481.1413	111.917.3170250766	39.37319874063308	-101.8052768	258348.35529641954	4361.94616319643	3703.07052880007	3547.4957354527593	3445.660781233655	3450.09250496898	101.83479162339375	97.1374252596145	
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134	13334	-283161.1413	111.917.3170250766	39.37323750882314	-101.8006101	258750.5529951042	4361.939447548618	3691.459150564310	3542.7480604854977	3442.6687702704653	3440.294516680106	100.07929021503242	102.4253438053971	
135	13335	-282501.1413	111.917.3170250766	39.3732568528418	-101.7982767	258951.6513366404	4361.936135778506	3687.48693958449	3540.360090929085	3440.301618004835	3440.2562523076	100.0584729242462	107.1445480477454	
136	13336	-281841.1413	111.917.3170250766	39.3732760696732	-101.7959433	259152.74953991045	4361.93024620817	3685.73358895977	3537.9662127912714	3438.737640006345	3431.2944272251666	99.22858191198223	96.16717947447058	
137	13337	-281181.1413	111.917.3170250766	39.37329652289779	-101.7936096	259353.5750505658	4361.925316945457	3682.025343797158	3535.89625308779	3436.08331571826	3430.833096931541	98.281884155625	94.1911189824718	
138	13338	-280521.1413	111.917.3170250766	39.37331450244854	-101.7912766	259547.6541629119	4361.9208721671301	3682.025343797158	3535.89625308779	3436.08331571826	3430.833096931541	98.281884155625	94.1911189824718	
139	13339	-279861.1413	111.917.3170250766	39.37333404028534	-101.7889432	259756.0427221003	4361.91790370258	3668.6911821899646	3530.77884	3433.5535218225005	3432.927115917938	97.0142719204563	97.87155244027564	
140	13340	-279201.1413	111.917.3170250766	39.37335271537715	-101.7866098	259957.13997448536	4361.91389935714	3664.2344411993273	3528.3929301020503	3431.3890021874936	3427.307109	97.00392791	101.06852132402765	
141	13341	-278541.1413	111.917.3170250766	39.37337177576075	-101.7842764	260158.236895526	4361.909180368664	3659.772129684627	3526.015403669232	3429.429236833052	3426.755747641712	95.861663388664	99.2664022075065	
142	13342	-277881.1413	111.917.3170250766	39.37339077854357	-101.7819431	260359.3397637637	4361.905719100211	3655.320082620347	3523.641085109594	3427.7846919353326	3425.9645969623017	95.8612393156326	99.2664022075065	
143	13343	-277221.1413	111.917.3170250766	39.3734094440415	-101.7796097	260590.43008072312	4361.90182836015	3655.208330115096	3521.284275	3426.315278525788	3444.245391536088	94.9899679	77.03788378407171	
144	13344	-276561.1413	111.917.3170250766	39.37342845459585	-101.7773273	260791.5261329176	4361.89753870414	3655.4345176336217	3519.84927379489	3427.073096234461	3432.757323465545	98.49638791499272	94.1911189824718	
145	13345	-275901.1413	111.917.3170250766	39.37344751102045	-101.774923	260962.8228814454	4361.893449105251	3653.663196813026	3516.58654905638	3423.734503132896	3427.34503132896	98.49638791499272	94.1911189824718	
146	13346	-275241.1413	111.917.3170250766	39.373466331704115	-101.7726095	261163.7183139118	4361.889936	3647.89187913329	3514.2522484003485	3422.33825036816	3422.7165531072942	91.9284236007036	92.03595587909686	
147	13347	-274581.1413	111.917.3170250766	39.37348510716375	-101.7702762	261364.8141	4361.885217016321	3647.89187913329	3511.92370005007	3421.1953719372164	3459.154823156174	90.3713604779061	52.77251266967705	
148	13348	-273921.1413	111.917.3170250766	39.37350383785265	-101.7679428	261565.9049484022	4361.881118012521	3644.6622533714323	3509.612488	3420.35726963936	3447.653636206578	92.25521881671102	61.9588516312896	
149	13349	-273261.1413	111.917.3170250766	39.37352252328646	-101.7656094	261767.004	4361.877092091515	3643.42982995915	3507.3089393197243	3419.4449291120704	3437.869242679836	89.8592670783888	69.43899052	
150	13350	-272601.1413	111.917.3170250766	39.37354113727789	-101.763276	261988.04848320853	4361.873403	3704.203761162636	3505.017618126346	3416.674562100196	3427.51273985047	84.3428061666861	77.4912407175987	
151	13351	-271941.1413	111.917.3170250766	39.37356029595968	-101.7609438	262198.152612006	4361.8687723706	3649.4345176336217	3503.781783961947	3418.71669830847	3418.71669830847	84.3428061666861	77.4912407175987	
152	13352	-271281.1413	111.917.3170250766	39.373578309312789	-101.7580672	262390.27885521454	4361.864361968108	3706.5956276214965	3500.444992091125	3416.421930240405	3414.911070676828	84.3428061666861	77.4912407175987	
153	13353	-270621.1413	111.917.3170250766	39.37359681448834	-101.7562758	262571.3827046127	4361.860738199914	3708.766275224683	3500.20830351192	3414.4335555004674	3412.43331	82.75852771465179	84.3428061666861	
154	13354	-												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatElev.f
235	181	34342	-216501.1413	111197.3170250766	36.3749680593011	-101.564934	270960.3267101751	43161526.19022778	3576.3716060507	3386.63693960017	3290.222866003254	3293.182010803275	95.4140735968645	95.4542897982934
236	181	34346	-215841.1413	111197.3170250766	36.37497562319612	-101.5626006	279261.40212483314	43161522.11864397	3572.334180171488	3387.445046503565	3289.075262045546	3290.336383011535	97.05155267344296	97.05155267344296
237	181	34347	-215181.1413	111197.3170250766	36.37498034266205	-101.560271	279418.67743221819	43161518.0202798	3568.288194	3386.248637482914	3286.26156992411494	3288.25366991014	98.38767816872204	98.38767816872204
238	181	34348	-214521.1413	111197.3170250766	36.375005016276376	-101.5579336	279613.55230212765	43161516.7166884	3564.222805035225	3385.045023193366	3283.790074570333	3285.178727230295	97.261722230375	98.8670624610703
239	181	34349	-213861.1413	111197.3170250766	36.37501964521051	-101.5556001	279864.627064785	43161509.95212938	3560.688466922178	3383.831761856586	3282.243527751562	3283.243527751562	101.5901808585234	100.3184447054257
240	181	34340	-213201.1413	111197.3170250766	36.3750242907066	-101.5532666	280065.701619294	43161505.83458663	3562.32128448051	3381.20123631061	3282.332866	3281.20123631061	101.430821378914	100.2034846722013
241	181	34341	-212541.1413	111197.3170250766	36.3750487856775	-101.5509332	280266.7758401959	43161501.76390418	3554.457371118613	3381.3843702948373	3280.381975589946	3281.570467893758	97.04023940354154	99.813023997118
242	181	34342	-211881.1413	111197.3170250766	36.3750638156884	-101.5488997	280466.850528623	43161497.69345984	3551.342633333963	3380.146575769104	3280.381675813843	3280.545284843935	100.46481734364016	99.69227147487092
243	181	34343	-211221.1413	111197.3170250766	36.37507771020676	-101.5468265	280668.9236494903	43161493.623394354	3548.180781	3379.889802507398	3278.166954463534	3278.75767777031	99.731948	95.14316573
244	181	34344	-210561.1413	111197.3170250766	36.37509211777054	-101.5435327	280869.967925299	43161489.53439083	3547.1018138118306	3378.7640480210741	3275.542897568556	3279.371802575565	97.29701802575565	97.29701802575565
245	181	34345	-209901.1413	111197.3170250766	36.37510647225746	-101.5415992	281071.0711944584	43161485.48381056	3546.318677239039	3377.733755060687	3276.96807627766	3276.96807627766	98.63662163254203	98.63662163254203
246	181	34346	-209241.1413	111197.3170250766	36.3751207856829	-101.5392657	281272.144443376	43161481.414125673	3544.929284236326	3377.978593426124	3277.96468591392	3277.96468591392	97.1086903723866	97.1086903723866
247	181	34347	-208581.1413	111197.3170250766	36.37513505402425	-101.5369322	281473.21747682476	43161477.374379555	3542.324664810716	3376.787098004413	3276.689733850804	3276.689733850804	97.09722226	97.5810749
248	181	34348	-207921.1413	111197.3170250766	36.3751492729131	-101.5345987	281674.2902950313	43161473.27561313	3538.515100148899	3372.488224	3275.13755742679	3275.13755742679	97.0603458514713	97.4078732
249	181	34349	-207261.1413	111197.3170250766	36.375163455484135	-101.5322653	281875.36298819865	43161469.20665443	3534.705709361427	3371.129854767431	3274.10169745179373	3273.76710004348	97.11288094849363	97.35384674308309
250	181	34350	-206601.1413	111197.3170250766	36.37517788902854	-101.5299518	282076.435265253	43161465.13789412	3530.892761813385	3369.7693843871072	3272.402523371866	3272.402523371866	96.9680115131441	97.2389210832004
251	181	34351	-205941.1413	111197.3170250766	36.37519167664887	-101.5275983	282277.504621915	43161461.09842025	3527.6121682163578	3368.382717324641	3271.5122516617275	3271.5122516617275	97.0385550248	96.965196291347
252	181	34352	-205281.1413	111197.3170250766	36.375205791675	-101.5252648	282478.57941948413	43161457.00004515	3525.85345115304	3366.969178418637	3270.610421778781	3270.610421778781	96.3587653965598	96.3587653965598
253	181	34353	-204621.1413	111197.3170250766	36.37521971751229	-101.5229313	282679.6511645288	43161452.93264227	3523.094620137283	3365.52732511507	3269.199883038613	3269.118086136518	96.37174945764586	96.40964637492946
254	181	34354	-203961.1413	111197.3170250766	36.37523367033125	-101.5205978	282880.722695553	43161448.68496809	3521.335909921143	3364.0578971223026	3267.76965553119	3267.8146983316046	96.29034158780841	96.2431987808411
255	181	34355	-203301.1413	111197.3170250766	36.375247578080016	-101.5182643	283081.794	4316444.79	3520.241033424664	3362.59890740004	3266.341416481889	3266.38170795200	96.2183462	96.1780949149689
256	181	34356	-202641.1413	111197.3170250766	36.3752614075238	-101.5159308	283282.865116381	43164400.72955032	3519.251052840802	3361.34041423582	3265.6109711717682	3265.61097117682	95.4389717620597	95.416408140884
257	181	34357	-201981.1413	111197.3170250766	36.37527537832396	-101.5136217	283489.126228663	43164391.182226568	3518.14622226568	3359.8237800071564	3264.738271800071564	3264.738271800071564	95.38787510665923	95.4077406798443
258	181	34358	-201321.1413	111197.3170250766	36.3752890387349	-101.5112638	283695.006836042	431642.559031024	3523.071476171212	3357.903095014723	3262.820023458556	3262.761914455154	95.08269050116003	95.1410950431824
259	181	34359	-200661.1413	111197.3170250766	36.3753027832225	-101.5089303	283886.0771476296	431642.829783319684	3520.829783319684	3356.99999184528	3261.522699713338	3261.39557132418685	94.774011719403	94.9014719426594
260	181	34360	-200001.1413	111197.3170250766	36.37531640696494	-101.5065968	284087.14739887015	431642.441610589	3519.456413669865	3354.664177124603	3260.2055282129645	3259.944134	94.5846896	94.72042927
261	181	34361	-199341.1413	111197.3170250766	36.37533007799616	-101.5042633	284288.2174375203	431642.395	3518.083400148262	3353.50550957556	3258.619440310753	3258.286894147378	94.458638178500474	94.71880094837864
262	181	34362	-198681.1413	111197.3170250766	36.3753436702121	-101.5019298	284489.287263204	4316416.28	3516.706434755933	3351.33282784167	3257.352066125801	3256.954312867591	93.97176116638	94.36951497
263	181	34363	-198021.1413	111197.3170250766	36.37535737371764	-101.4996863	284690.35687794146	43164159.186863	3515.7147778535197	3349.821321363896	3256.8522703875873	3256.8522703875873	93.787510665923	94.2713021900242
264	181	34364	-197361.1413	111197.3170250766	36.3753707194175	-101.497328	284891.19626424	43164108.19626424	3514.654064451238	3347.90049716052	3255.88574719591	3255.88574719591	93.607142311684	92.710321900242
265	181	34365	-196701.1413	111197.3170250766	36.3753847644853	-101.4949293	285092.954074994	43164104.130501917	3513.6454310967678	3346.165415240371	3252.9814209391232	3251.854510332884	93.1838501342796	94.31006481
266	181	34366	-196041.1413	111197.3170250766	36.37539758374662	-101.4925798	285293.5644854855	43164105.64398989	3512.484407171392	3344.4195316359865	3251.93521218907	3250.620611437782	92.8475871409573	93.79678949220775
267	181	34367	-195381.1413	111197.3170250766	36.37541096	-101.4902623	285494.6323168513	43164105.99957571	3510.473011713309	3342.664586219606	3250.405122708423	3248.386396799346	92.5294103	93.725946505260262
268	181	34368	-194721.1413	111197.3170250766	36.3754247700332	-101.4879288	285695.7017321247	431631.394411709	3507.480143711709	3340.93321704547	3248.578245110935	3247.073461149733	92.35230801936127	93.8303710206817
269	181	34369	-194061.1413	111197.3170250766	36.37543753708547	-101.4855953	285896.7701186385	43163187.86944732	3504.480974	3339.14162787693	3247.31554377749	3245.827166897037	91.5265764693485	93.3173199789816
270	181	34370	-193401.1413	111197.3170250766	36.37545078363296	-101.483271	286107.832653346	43163180.90895167	3503.4819573689678	3338.07382198678	3246.13340742194	3245.578097143442	91.264742311684	92.710321900242
271	181	34371	-192741.1413	111197.3170250766	36.37546393718545	-101.4809282	286298.9607177558	43163170.74111376	3499.22092390413	3335.632555	3244.35934748673	3243.7878808926765	91.072671761668	92.7447413216346
272	181	34372	-192081.1413	111197.3170250766	36.37547711	-101.4785947	286499.973891356	43163175.6751656	3493.741834186116	3333.875754328708	3242.291825353096	3241.604484754201	90.8537197339828	92.2693557405669
273	181	34373	-191421.1413	111197.3170250766	36.37549020795589	-101.4762612	286701.0413590425	43163171.6158541	3488.581579188633	3332.139088424014	3242.320796896804	3240.38196818452	90.81821953	91.57796891
274	181	34374	-190761.1413	111197.3170250766	36.37550326109374	-101.4739277	286902.1807	431631.367	3485.421417776185	3330.416275896491	3240.4179627180526	3239.156604879039	90.0829317843818	91.2596674514159
275	181	34375	-190101.1413	111197.3170250766	36.37551626734666	-101.4715942	287103.175730346	431631.3634835181	3482.677695455115	3328.709128818344	3238.0159551408484	3238.0129598970434	89.2616657798860	90.961692179031
276	181	34376	-189441.1413	111197.3170250766	36.37552952285246	-101.469307	287304.24264767824	43163159.42	3481.353963210732	3327.017183509424	3236.564173581073	3236.51341480402	89.4730094772221	90.5037515782967
277	181	34377	-188781.1413	111197.3170250766	36.37554287446782	-101.4670257	287505.31951682	43163159.9191874	3480.3395918	3325.81382198678	3235.146278950143	3235.146278950143	89.2616657798860	90.961692179031
278	181	34378	-188121.1413	111197.3170250766	36.37555501565562	-101.4645636	287706.3757692623	43163170.37249656	3478.703449711093	3323.6837387849135	3232.511540494844	3232.511540494844	89.04507816259047	90.4507816259047
279	181	34379	-187461.1413	111197.3170250766	36.375567841608564	-101.4622601	287907.4402							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BR/ElevLogsK.ft	BR/ElevWetK.ft	SatfAttoHLogK.ft	SatfBothH.ft
361	181	133561	-133341.1413	111917.3170250766	39.3764661727295	-01.2709092	304394.1832452946	3461014.754396302	3291.5358408310267	3147.7171333877336	3140.7215853319562	3144.3185694085396	76.541405577739	72.85316397919405
362	181	133562	-132681.1413	111917.3170250766	39.3764755192142	-01.2689576	304595.2328713937	3461010.69882262	3296.47185862419	3125.6252144004085	3139.564800512657	3142.637134253090	75.604139	72.9720820615972
363	181	133563	-132021.1413	111917.3170250766	39.3764831463115	-01.2662406	304746.2638982646	3461006.653849174	3310.6855143047025	3114.0484517708487	3138.937535400437	3148.7368918548875	74.1468818184043	65.33489445864242
364	181	133564	-131361.1413	111917.3170250766	39.37648329589801	-01.2630905	304967.33154890285	3461002.066039337	3310.808146484917	3121.548975746678	3139.654668814434	3147.347674676966	73.808508923463	65.4416281
365	181	133565	-130701.1413	111917.3170250766	39.376502245406066	-01.2615749	305198.380600721	3460998.56079758	3297.053671889452	3121.019450191296	3139.513734549233	3147.3663711298413	71.5057156420362	65.3757130614457
366	181	133566	-130041.1413	111917.3170250766	39.37651114974743	-01.2592413	305394.92461152005	3460985.15150917	3310.2891952539865	3209.495389532024	3139.4533448960447	3144.647760702523	70.4280453597944	64.8213130249974
367	181	133567	-129381.1413	111917.3170250766	39.3765200091169	-01.2569077	305600.4873151835	3460980.46970493	3317.47466857949	3297.253638825257	3139.472696	3148.998409113587	63.998409113587	63.79653711671824
368	181	133568	-128721.1413	111917.3170250766	39.3765282319922	-01.2545742	305801.526810047	3460984.42445761	3318.580091	3206.441276731506	3139.16740171296	3143.7457246670385	67.13960272	62.9955207007415
369	181	133569	-128061.1413	111917.3170250766	39.3765376230965	-01.2522406	306002.574689915	3460982.379491744	3318.6855143047025	3114.0484517708487	3138.937535400437	3148.7368918548875	74.1468818184043	65.33489445864242
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373	181	133573	-125281.1413	111917.3170250766	39.37657222	-01.2429063	306806.761265843	3460966.20120234	3323.27440758886	3139.02409913043	3131.915963	3134.899614265156	66.126454652521294	63.14264562522176
374	181	133574	-124761.1413	111917.3170250766	39.37658071713406	-01.2405727	307007.8135959491	3460962.15714608	3321.58652501789	3135.859181879645	3128.620595	3131.2808410903463	67.23887112083438	64.57843079
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405	181	133605	-104301.1413	111917.3170250766	39.3768232896617									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SatHtKgr.f	SatHtBotH.f
487	181	136867	-50181.14133	111917.3170250766	39.3725585857814	-100.9768751	329724.9941508341	4360506.456999185	3147.001355383543	2796.205618127926	2869.4095715179685	2869.3489551647563	106.7904698995739	106.85575936316958
488	181	136868	-49521.14133	111917.3170250766	39.3725926347864	-100.9748415	329626.012476221	4360502.435546871	3144.3644318167453	2974.9178110427382	2869.8140735215463	2869.8140735215463	105.157725308214	105.157725308214
489	181	136869	-44861.14133	111917.3170250766	39.372622322565	-100.9722709	330127.048179038	4360474.412992363	3141.7231268705674	2973.722861821865	2871.878351486633	2871.878351486633	101.84269132119677	101.84269132119677
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491	181	136901	-47541.14133	111917.3170250766	39.37269207566286	-100.9675406	330529.101544839	4360490.372376665	3136.2303737969923	2971.1674074076884	2874.0871766882697	2874.2725359317627	97.08563071941671	96.892171147640056
492	181	136902	-46881.14133	111917.3170250766	39.372724311917	-100.965207	330730.127890125	4360466.351754881	3133.1466657473556	2969.85406773325	2872.9058	2873.0382694481155	96.9460706804477	96.7714132720032
493	181	136903	-46221.14133	111917.3170250766	39.3727561159374	-100.9628734	330931.1542502313	4360482.331	3130.0630271964665	2968.5190786463595	2869.7396389567986	2869.8622676179287	98.075389566055	98.65707588437581
494	181	136904	-45561.14133	111917.3170250766	39.3727874599003	-100.9605397	331123.180355766	4360478.310966385	3126.973988915145	2967.15758205041	2865.172731509153	2865.172731509153	102.0330310968882	101.9800448974967
495	181	136905	-44861.14133	111917.3170250766	39.372818533062	-100.9588261	331333.206976593	4360474.296818966	3124.821268705674	2965.77010313384	2869.820775631072	2869.820775631072	102.6585473284001	102.6585473284001
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502	181	13702	-40281.14133	111917.3170250766	39.3730219834186	-100.9418077	332740.383309374	4360446.155971743	3098.8654481491917	2955.364710996225	2835.693677293215	2835.693677293215	119.67479004391075	119.6902347726478
503	181	13703	-39621.14133	111917.3170250766	39.37304820703306	-100.9395371	332941.4080250514	4360442.319002774	3097.075551420179	2953.841524173671	2833.4415988190272	2833.4415988190272	120.3999523544639	120.4931611652284
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506	181	13706	-37641.14133	111917.3170250766	39.3731284263635	-100.9325362	333544.4804564764	4360430.0821035	3091.926339535478	2950.444930256427	2832.349617692166	2832.349617692166	119.0932261721039	118.49401088672701
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509	181	13709	-35661.14133	111917.3170250766	39.3732034521844	-100.9256185	334147.560473068	4360418.9331331	3086.43176937008	2948.3770531484868	2832.770531484868	2832.770531484868	114.6018227	114.6018227
510	181	13710	-35001.14133	111917.3170250766	39.3732276577164	-100.9232017	334345.5759054317	4360410.13212725	3084.15047018016	2947.1120017978733	2833.6296195361347	2833.805371394243	111.48322825173862	111.30563040537902
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514	181	13714	-32361.14133	111917.3170250766	39.3733196746341	-100.9138671	335152.6688243173	4360399.3471862065	3068.285149695328	2943.396485714407	2841.10762532675	2841.10762532675	102.25201919073197	102.25201919073197
515	181	13715	-31701.14133	111917.3170250766	39.3733492071584	-100.9115335	335367.045551905	4360393.931	3066.43176937008	2943.396485714407	2841.10762532675	2841.10762532675	99.16864634226194	99.16864634226194
516	181	13716	-31041.14133	111917.3170250766	39.373372697966	-100.909199	335574.173510222	4360385.15152485	3065.01888154210	2943.396485714407	2841.10762532675	2841.10762532675	95.7201823118418	95.7201823118418
517	181	13717	-30381.14133	111917.3170250766	39.37338395479725	-100.9068663	335755.7388345604	4360385.890434587	3063.6045842326207	2940.231542693304	2844.769575	2844.5718199552364	95.47047912576954	95.65833431
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520	181	13720	-28401.14133	111917.3170250766	39.3734441779023	-100.8998654	336358.0420442757	4360375.83460881	3058.32767245481	2936.873428758616	2839.327671712845	2839.27029265073	95.7546150174606	97.5983986644378
521	181	13721	-27741.14133	111917.3170250766	39.3734635030125	-100.8975317	336585.823791903	4360369.838531376	3056.22218195946	2935.712654382223	2836.266430310484	2836.181758079467	95.3393893565755	95.3393893565755
522	181	13722	-27081.14133	111917.3170250766	39.37348207271694	-100.8951881	336760.845551905	4360363.92794083	3054.31175513555	2934.52355957284	2832.9148172549	2832.9148172549	101.7027322207843	101.7027322207843
523	181	13723	-26421.14133	111917.3170250766	39.3735002439474	-100.8928485	336961.86677222815	4360361.806294095	3053.78995347129	2933.34335	2832.5984428234477	2832.5984428234477	102.429040091919027	102.429040091919027
524	181	13724	-25761.14133	111917.3170250766	39.3735181643936	-100.8905308	337162.8880370624	4360357.794927932	3053.268485809932	2932.188610680822	2826.519374760231	2826.519374760231	105.599316246571	105.599316246571
525	181	13725	-25101.14133	111917.3170250766	39.3735365340552	-100.8881972	337363.3903101146	4360353.781	3055.6872818130696	2930.886613969383	2823.87581294076	2823.87581294076	107.0107010285972	107.0107010285972
526	181	13726	-24441.14133	111917.3170250766	39.3735525192323	-100.8858366	337564.3900728836	4360349.767	3056.136075	2929.63808536622	2821.6570215012593	2821.6570215012593	107.98178305267306	107.98178305267306
527	181	13727	-23781.14133	111917.3170250766	39.3735689216746	-100.883299	337765.905868174	4360345.7310125	3058.98506105979	2928.376928986607	2819.93059232024	2819.93059232024	108.3030065665683	108.3030065665683
528	181	13728	-23121.14133	111917.3170250766	39.3735843083325	-100.8813913	337966.9748111196	4360341.739554867	3058.2409474982862	2927.09470492862	2818.608160306375	2818.608160306375	108.419320587144	108.419320587144
529	181	13729	-22461.14133	111917.3170250766	39.3736014521844	-100.8790778	338176.845551905	4360337.9253267	3056.43176937008	2926.847819624024	2817.81819624024	2817.81819624024	109.61819624024	109.61819624024
530	181	13730	-21801.14133	111917.3170250766	39.3736156493081	-100.876529	338369.012630986	4360333.713	3054.31175513555	2924.50217766017	2815.557260451192	2815.557260451192	108.8489589847347	108.8489589847347
531	1													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfLen.f	W.Ln	BREIEvLogKg.f	BREIEvBothKg.f	SatHtLog.f	SatHtBoth.f
613	181	138113	32978.8586730335	111917.3170250766	36.377323987039113	-0.06828375	355063.1700149828	4360001.3088808065	2960.5177511039033	2754.920588731688	2695.0878498081105	2708.9666773027384	49.82373964
614	181	138114	33638.8586730335	111917.3170250766	37.377326	-0.0680339	355254.1778405937	4359997.312917138	2956.740288154121	2752.9665844464248	2693.654477712161	2710.03423634818763	49.810210673
615	181	138115	34298.8586730335	111917.3170250766	38.37732526391387	-0.06781703	355455.185262663	4359993.3158909281	2958.531463718594	2750.814367158394	2695.180364817195	2709.87329245524	49.7423811542516
616	181	138116	34958.8586730335	111917.3170250766	39.377322918737626	-0.06758366	355692.1930722585	4359986.319687428	2958.686375617233	2748.165878761233	2690.64957635613	2706.78694067035	49.7516300441906
617	181	138117	35618.8586730335	111917.3170250766	39.37732050484298	-0.0673503	355857.2004787199	4359985.3238606126	2955.2950551518538	2745.917484830686	2688.936738952039	2705.495921	49.7680748573709
618	181	138118	36278.8586730335	111917.3170250766	39.37731805314997	-0.06711694	356058.2007745875	4359983.327680719	2953.622684518193	2743.071269015919	2687.029477422908	2701.888990310477	49.764004948
619	181	138119	36938.8586730335	111917.3170250766	39.37731555273847	-0.06688357	356259.2148739033	4359977.332257091	2951.3667759968316	2741.420842951165	2684.845778728137	2698.132410156173	49.765716040156173
620	181	138120	37598.8586730335	111917.3170250766	39.3773130724871	-0.0666521	356460.2119630859	4359973.326863384	2948.4917779396336	2739.169949551905	2682.389698910335	2694.668801811142	49.76280641511585
621	181	138121	38298.8586730335	111917.3170250766	39.377310459576	-0.06641683	356661.22871355276	4359969.31676283981	2946.51678235981	2737.918433949586	2679.872866617128	2688.698556105513	49.764564649233145
622	181	138122	38918.8586730335	111917.3170250766	39.37730778103396	-0.06618439	356865.2342525345	4359965.346566175	2944.718627150555	2734.675324024691	2677.535205	2687.195177273763	49.771391914
623	181	138123	39578.8586730335	111917.3170250766	39.37730510030904	-0.06599102	357063.242	4359961.351770033	2941.5556901404293	2732.437313286683	2675.3016441194358	2687.207304625013	49.77356672022814
624	181	138124	40238.8586730335	111917.3170250766	39.3773027450574	-0.06571676	357264.2484348533	4359957.357139887	2942.058494430699	2730.220050714771	2673.283064	2686.90983626722	49.77310711409135
625	181	138125	40898.8586730335	111917.3170250766	39.3772996324074	-0.0654834	357465.2547326055	4359953.36270361	2941.562129872099	2728.0356715205257	2671.827188	2686.9194201713364	49.765084839116506
626	181	138126	41558.8586730335	111917.3170250766	39.377296766406	-0.06525003	357666.260892912	4359949.36849476	2943.064106111949	2726.303403960596	2670.9121365252959	2678.214296393628	49.7691073084
627	181	138127	42198.8586730335	111917.3170250766	39.3772936625704	-0.06501667	357867.26981515153	4359945.37424193	2942.258266139499	2723.86015226992	2670.145623896828	2678.1004791288133	49.77496730171854
628	181	138128	42898.8586730335	111917.3170250766	39.37729102050906	-0.06478731	358068.2720026855	4359941.38058515	2940.1364697256445	2721.9033283102784	2668.95849553874	2676.883087447266	49.7683174640522
629	181	138129	43538.8586730335	111917.3170250766	39.3772880631397	-0.06454985	358269.278540039	4359937.38680431	2938.017172771898	2720.00490478217	2667.006448228316	2669.5559914821835	49.7684451335551
630	181	138130	44198.8586730335	111917.3170250766	39.37728507	-0.0643158	358470.28460239685	4359933.393485409	2935.978357581845	2718.428259	2665.2857832894724	2681.1317356820674	49.7642709004767
631	181	138131	44858.8586730335	111917.3170250766	39.37728201687385	-0.0640832	358671.2897325299	4359925.400232026	2934.8961615529272	2716.8882101028714	2663.28956406174	2682.359096713688	49.7621533696973
632	181	138132	45518.8586730335	111917.3170250766	39.3772789455737	-0.06384986	358872.2903762726	4359920.407174674	2933.6119670602255	2715.481323439223	2661.189787791913	2680.73072664465	49.7613543709956
633	181	138133	46158.8586730335	111917.3170250766	39.37727581374996	-0.0636165	359073.2067579395	4359921.414313879	2935.135768283296	2714.1493231310377	2659.280260776195	2679.105400227895	49.7608962183885
634	181	138134	46838.8586730335	111917.3170250766	39.377273267142814	-0.0633813	359274.3054193537	4359914.421649538	2938.254846350333	2712.874516300205	2657.793039656478	2681.8864593424303	49.7614767035391
635	181	138135	47498.8586730335	111917.3170250766	39.3772704172004	-0.06314769	359481.3201725696	4359908.4329181584	2936.534291899005	2711.634769990274	2655.853260289074	2680.477898917219	49.7614767035391
636	181	138136	48158.8586730335	111917.3170250766	39.3772671455404	-0.06291641	359675.3150565964	4359904.438017063	2935.0154173149	2710.8118203704	2655.755400156046	2680.175252656240	49.7614767035391
637	181	138137	48818.8586730335	111917.3170250766	39.37726284	-0.06268304	359877.319726201	4359905.443676121	2929.04710005592	2709.197456475373	2654.6629132907358	2675.86174423429084	49.7614767035391
638	181	138138	49478.8586730335	111917.3170250766	39.3772594003265	-0.06244968	360078.3242053104	4359901.452529915	2926.540186938347	2707.977848312154	2653.420581782254	2673.73455789664	49.7614767035391
639	181	138139	50138.8586730335	111917.3170250766	39.3772567805436	-0.06221632	360279.328634435	4359897.461276399	2925.9783754972013	2706.7472423637813	2652.275037885243	2670.44986477885	49.7614767035391
640	181	138140	50798.8586730335	111917.3170250766	39.37725399184	-0.06199236	360480.3239937402	4359893.46971246	2923.3116657310913	2705.499045137134	2650.871475282753	2668.686726535056	49.7614767035391
641	181	138141	51498.8586730335	111917.3170250766	39.377251243173004	-0.06171683	360681.3370134475	4359889.479	2920.847891002199	2704.6281755266133	2648.793022919863	2665.0332619863	49.7614767035391
642	181	138142	52118.8586730335	111917.3170250766	39.37724811650586	-0.06151232	360882.3409977026	4359885.487104453	2918.123461198712	2702.50019452771	2646.18116198974	2662.501814872	49.7614767035391
643	181	138143	52778.8586730335	111917.3170250766	39.37724201935436	-0.06128287	361083.3448491356	4359881.496541768	2914.012091720347	2701.601554052278	2643.464618204706	2664.161926797929	49.7614767035391
644	181	138144	53438.8586730335	111917.3170250766	39.37723831990026	-0.06104951	361284.348678071	4359877.508581546	2913.59482520347	2700.239414170394	2640.894965309343	2664.376892714598	49.7614767035391
645	181	138145	54098.8586730335	111917.3170250766	39.377231945238	-0.06081614	361485.3521504974	4359873.515321776	2912.880733386768	2698.84256939182	2638.414610789185	2664.02140246192	49.7614767035391
646	181	138146	54758.8586730335	111917.3170250766	39.3772310202149	-0.06058278	361686.356003158	4359869.525006788	2911.96529414388	2697.410624554876	2636.284460678292	2663.244606501908	49.7614767035391
647	181	138147	55418.8586730335	111917.3170250766	39.3772272941239	-0.06034842	361887.3589	4359865.53496559	2908.920234104842	2696.944421844648	2634.379114475407	2661.005371866443	49.7614767035391
648	181	138148	56078.8586730335	111917.3170250766	39.3772242172004	-0.06011683	362089.3672727209	4359861.54408306	2906.944969215884	2695.83897272149	2633.25820289074	2659.4778149851	49.7614767035391
649	181	138149	56738.8586730335	111917.3170250766	39.37721957896956	-0.0598827	362291.3551048594	4359857.55269052	2905.380388844833	2692.921471773793	2632.974607490462	2658.633878552318	49.7614767035391
650	181	138150	57398.8586730335	111917.3170250766	39.37721568113082	-0.05964933	362490.368081137	4359853.565745414	2900.10954520067	2701.369906703236	2629.183472546338	2649.97652164262	49.7614767035391
651	181	138151	58058.8586730335	111917.3170250766	39.3772118213816	-0.05941597	362691.3708320533	4359849.576	2896.76459489775	2689.79714235014	2627.4859190815184	2647.500004016648	49.7614767035391
652	181	138152	58718.8586730335	111917.3170250766	39.37720775	-0.05918261	362892.3735059585	4359845.58728334	2893.346529627916	2686.206786740298	2625.610192781733	2644.852902716922	49.7614767035391
653	181	138153	59378.8586730335	111917.3170250766	39.3772037174552	-0.05894825	363093.3768265807	4359841.59836181	2889.93183706178	2686.60345498093	2622.383248900027	2643.942660037324	49.7614767035391
654	181	138154	60038.8586730335	111917.3170250766	39.37719963894036	-0.0587158	363294.3841528736	4359837.60626739	2886.9407725043792	2684.990374450744	2620.277483057663	2643.288546446451	49.7614767035391
655	181	138155	60698.8586730335	111917.3170250766	39.37719630949404	-0.0584861	363495.4008272709	4359833.69898558	2884.77121175898	2683.84829723532	2618.54819815813077	2642.34819815813077	49.7614767035391
656	181	138156	61358.8586730335	111917.3170250766	39.37719314745567	-0.05824816	363696.3827977470	4359829.63	2878.712568420567	2681.7573209766	2615.971456000262	2641.670489275984	49.7614767035391
657	181	138157	62018.8586730335	111917.3170250766	39.37718713407073	-0.0580158	363897.38479190285	4359825.64469965	2876.59321719276	2680.19184753477	2612.798423050968	2628.332754884763	49.7614767035391
658	181	138158	62678.8586730335	111917.3170250766	39.37718275606664	-0.05778244	364098.3865459593	4359821.65564982	2874.85592417956	2678.482938187848	2609.423498632695	2619.8640371612155	49.7614767035391
659	181	138159	63338.8586730335	111917.3170250766	39.3771787206448	-0.05754907	364299.3883711573	4359817.68896627	2868.72694367581	2676.88673580578	2606.824916	2613.130043002487	49.761476703539

79	ly	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	Surface	W.Lt	BREVILOGLogK	BREVILOGLogK	SLatLogK	SLatLogK				
79	181	13339	11316	85667	307335	11197	310250769	37.666826241005	-100.388802	296579.121071189	296579.283394197	26876.7345978157	2735.232321006786	2531.655333790296	2530.605919684005	41.657676889656	41.7129203390125
740	181	13340	11316	85667	307335	11197	310250769	37.666828	-100.386466	380580.131071403	345945.212054137	2686.4466644835	2572.14207748024	2519.92673937355	2520.12761086858	52.2139812064289	51.86596860916578
1	182	13341	-370941.1431	11857	310250769	37.3270491413037	-102.110685	232007.381890331	363.685	7570512651	391.989778476426	351.05450690754	3639.3837427555	3638.1315946255	351.1345984872985	116.5895462912295	116.5895462912295
2	182	13342	-370821.14281	11857	310250769	37.312704399655	-102.106833	232027.516427973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
3	182	13343	-368621.1431	11857	310250769	37.312704399655	-102.106833	232027.516427973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
4	182	13344	-368621.1431	11857	310250769	37.312704399655	-102.106833	232027.516427973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
5	182	13345	-368621.1431	11857	310250769	37.312704399655	-102.106833	232027.516427973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
6	182	13346	-368621.1431	11857	310250769	37.312704399655	-102.106833	232027.516427973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
7	182	13347	-366981.1431	11857	310250769	37.32206010251	-102.096691	233213.1646256655	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
8	182	13348	-366321.1431	11857	310250769	37.322566017468	-102.094639	233414.296835973	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
9	182	13349	-365661.1431	11857	310250769	37.32206010251	-102.096691	233213.1646256655	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
10	182	13350	-35601.1431	11857	310250769	37.3230559704284	-102.092926	233815.4248611017	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
11	182	13351	-35601.1431	11857	310250769	37.3230559704284	-102.092926	233815.4248611017	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
12	182	13352	-36361.1431	11857	310250769	37.323553630696	-102.085329	234218.8165879458	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
13	182	13353	-363021.1431	11857	310250769	37.323801748832	-102.082696	234218.8165879458	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
14	182	13354	-362361.1431	11857	310250769	37.32404883101	-102.080633	234621.0740078505	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
15	182	13355	-361701.1431	11857	310250769	37.324296741149	-102.078303	234822.0740078505	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
16	182	13356	-361041.1431	11857	310250769	37.324543532518	-102.075969	235023.3033345996	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
17	182	13357	-360381.1431	11857	310250769	37.324788947707	-102.073635	235234.5869197192	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
18	182	13358	-359701.1431	11857	310250769	37.325033333333	-102.071363	235454.5869197192	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
19	182	13359	-359061.1431	11857	310250769	37.325281245658	-102.069187	235629.7192596202	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
20	182	13360	-358401.1431	11857	310250769	37.3255265411336	-102.066836	235827.8395843612	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
21	182	13361	-357741.1431	11857	310250769	37.32577039047	-102.064303	236028.9669945845	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
22	182	13362	-357081.1431	11857	310250769	37.326014820256	-102.061972	236230.931784314	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
23	182	13363	-356421.1431	11857	310250769	37.32625853474	-102.059637	236431.219388577	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
24	182	13364	-355761.1431	11857	310250769	37.32650295744	-102.057304	236632.3033345996	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
25	182	13365	-355101.1431	11857	310250769	37.3267484236054	-102.054970	236833.4170471567	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
26	182	13366	-354441.1431	11857	310250769	37.3269967777947	-102.052673	237048.9164813917	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
27	182	13367	-353781.1431	11857	310250769	37.327242562558	-102.050339	237235.7256419917	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
28	182	13368	-353121.1431	11857	310250769	37.32747	-102.047976	237434.86860097	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
29	182	13369	-352461.1431	11857	310250769	37.3277170906084	-102.045637	237637.8712208412	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
30	182	13370	-351801.1431	11857	310250769	37.32796145278624	-102.043304	237839.0951362794	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
31	182	13371	-351141.1431	11857	310250769	37.3282059589081	-102.040973	238042.2033345996	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
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33	182	13373	-349821.1431	11857	310250769	37.3286970227804	-102.036342	238442.4673369808	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
34	182	13374	-349161.1431	11857	310250769	37.3289428917258	-102.033979	238643.59068338	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
35	182	13375	-348501.1431	11857	310250769	37.32918471564878	-102.031676	238844.713794583	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
36	182	13376	-347841.1431	11857	310250769	37.3294284951728	-102.029343	239045.836627422	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
37	182	13377	-347181.1431	11857	310250769	37.329672105102	-102.027017	239246.951870096	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
38	182	13378	-346521.1431	11857	310250769	37.32991705102	-102.024677	239448.051870096	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
39	182	13379	-345861.1431	11857	310250769	37.330159571617	-102.022344	239649.2033345996	363.681	693218827	390.1022634233295	353.086507224864	3638.1732596705	3634.81073478028	116.693121548125	118.276053466658	118.276053466658
40	182	13380	-345201.1431	11857	310250769												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BR ElevBothKrg.f	BR ElevBothKrg.f	SatHtKilos.f	SatHtBoth.f
125	132	134065	-289101.1413	118157.3170250766	39.74874312441136	-101.8216357	55964.75717522684	43621.7656702902	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
126	132	134066	-288441.1413	118157.3170250766	39.74880435054198	-101.8193023	55714.8581005305	43621.7247321817	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
127	132	134067	-287921.1413	118157.3170250766	39.748911271257132	-101.8169689	55736.866254957291	43621.6832684177	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
128	132	134068	-287421.1413	118157.3170250766	39.749033540529184	-101.8143655	55748.058	43621.64286	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
129	132	134069	-286841.1413	118157.3170250766	39.7495228341548	-101.8123021	55749.157642764	43621.601999587	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
130	132	134070	-286801.1413	118157.3170250766	39.7497472473023	-101.8099686	55750.257247384	43621.5610226498	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
131	132	134071	-286141.1413	118157.3170250766	39.7498917917335	-101.8078352	55815.3542964455	43621.5200717578	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
132	132	134072	-284841.1413	118157.3170250766	39.750011424148416	-101.805318	55824.4553773122	43621.4741569505	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
133	132	134073	-283821.1413	118157.3170250766	39.7501308	-101.802984	55853.5540681178	43621.4322136991	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
134	132	134074	-283161.1413	118157.3170250766	39.7505019327264	-101.8006349	55874.6525563914	43621.372959212	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
135	132	134075	-282501.1413	118157.3170250766	39.75060510228004	-101.7983015	55885.7507811345	43621.363765163	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
136	132	134076	-281841.1413	118157.3170250766	39.7508082111341	-101.7959881	55915.84876162222	43621.31546151841	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
137	132	134077	-281181.1413	118157.3170250766	39.75108008026055	-101.7936347	55937.34658750779	43621.2745493238	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
138	132	134078	-280521.1413	118157.3170250766	39.7512719066684	-101.7913012	55959.0405464773	43621.2316374742	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
139	132	134079	-279961.1413	118157.3170250766	39.7514632733569	-101.7898978	55970.6143345996	43621.1917486149	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
140	132	134080	-279201.1413	118157.3170250766	39.7516542	-101.7886344	55991.2383771109	43621.15181	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
141	132	134081	-278541.1413	118157.3170250766	39.7518446545754	-101.7843009	56012.1635182978	43621.1100148542	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
142	132	134082	-277881.1413	118157.3170250766	39.75203406910456	-101.7819675	56033.4173506598	43621.0619954776	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
143	132	134083	-277221.1413	118157.3170250766	39.7522242393131	-101.7796341	56054.5280810572	43621.0208149822	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
144	132	134084	-276561.1413	118157.3170250766	39.75241334600084	-101.7773006	56075.6217693587	43621.0084185047	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
145	132	134085	-275901.1413	118157.3170250766	39.7526020083671	-101.7749672	56096.7200353612	43621.004729	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
146	132	134086	-275241.1413	118157.3170250766	39.752790200119	-101.7726337	56117.6185575835	43621.0393156875	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
147	132	134087	-274581.1413	118157.3170250766	39.7529781571574	-101.7703261	56138.192367187	43621.084981046	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
148	132	134088	-273921.1413	118157.3170250766	39.7531165291132	-101.7679639	56157.0019424862	43621.080416589	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
149	132	134089	-273261.1413	118157.3170250766	39.7533251506127	-101.7653334	56177.1011091036	43621.073979128	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
150	132	134090	-272601.1413	118157.3170250766	39.7535385593672	-101.763	56197.1957885734	43621.071891764	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
151	132	134091	-271941.1413	118157.3170250766	39.7537425173985	-101.760965	56217.3290238706	43621.071891764	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
152	132	134092	-271281.1413	118157.3170250766	39.753931	-101.7586313	56237.3844220351	43621.061499133	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
153	132	134093	-270621.1413	118157.3170250766	39.7541496812881	-101.756296	56258.4781677198	43621.05198226	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
154	132	134094	-270061.1413	118157.3170250766	39.7543796817149	-101.753943	56278.7519635	43621.052937002	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
155	132	134095	-269301.1413	118157.3170250766	39.7545843842819	-101.7516327	56297.7656624428	43621.05384	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
156	132	134096	-268641.1413	118157.3170250766	39.75476454669075	-101.7492993	56317.8735935586	43621.0495722646	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
157	132	134097	-267981.1413	118157.3170250766	39.754958308	-101.746958	56337.8915791329	43621.04663675	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
158	132	134098	-267321.1413	118157.3170250766	39.755013603311	-101.7446324	56358.94071957634	43621.04572749	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
159	132	134099	-266661.1413	118157.3170250766	39.755195955627	-101.742298	56378.0237456474	43621.045088622	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
160	132	134100	-266001.1413	118157.3170250766	39.755378515714	-101.73995	56398.192367187	43621.045088622	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
161	132	134101	-265341.1413	118157.3170250766	39.75555930979344	-101.7376258	56418.2188846358	43621.045088622	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
162	132	134102	-264681.1413	118157.3170250766	39.7557403079845	-101.7352985	56438.3137574351	43621.045088622	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
163	132	134103	-264021.1413	118157.3170250766	39.7559209	-101.7329651	56458.405396807	43621.045088622	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
164	132	134104	-263361.1413	118157.3170250766	39.756100559017	-101.7306316	56478.7496814242	43621.051721691	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
165	132	134105	-262701.1413	118157.3170250766	39.7562800637678	-101.7282892	56498.5879748706	43621.02191312648	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
166	132	134106	-262041.1413	118157.3170250766	39.756468096162251	-101.725947	56518.87619612251	43621.0088535106	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
167	132	134107	-261381.1413	118157.3170250766	39.7566568321319	-101.723691	56539.049069635	43621.0088535106	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
168	132	134108	-260721.1413	118157.3170250766	39.75684618629925	-101.721478	56559.1801034854	43621.0088535106	357.460734905538	3562.986697594276	3457.8910112526455	3450.76010298452	95.0965865427808	112.21765949097556
169	132	134109	-260061.14											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.km	BR/ElevBoth.km	SatThLogs.k	SatThBoth.ft
251	182	134191	-205941.1413	911857.3170250766	39.77004411023805	-101.5276164	282281.5826198852	439.1662.325708121	353.5176678619394	326.91330068010157	326.91746544676094	327.02675659457608	97.26834744292159	97.26834744292159
252	182	134192	-205281.1413	911857.3170250766	39.77018445325249	-101.5252826	282462.6544701305	439.1658.257139379	353.5492477139379	336.6112493827287	326.94045345342916	327.0374754801267	97.06765945	97.13271940260256
253	182	134193	-204621.1413	911857.3170250766	39.7703263602666	-101.5229483	282683.726981602	439.1654.159	353.53089734771	335.213484196291	326.934591956478	327.045991956478	96.7276986043384	96.7276986043384
254	182	134194	-203961.1413	911857.3170250766	39.77046405783554	-101.5206157	282884.7972281805	439.1650.120061477	353.77374917209297	336.6342308161725	326.9653228230653	326.96427011735691	96.6152011245686	96.6152011245686
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264	182	134204	-197361.1413	911857.3170250766	39.7717348339883	-101.4972801	284895.4987230463	439.1609.493901714	353.19.3334152486345	334.0751066740595	325.3783999344856	325.3783999344856	93.890921788553	93.890921788553
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269	182	134209	-194061.1413	911857.3170250766	39.7725023436465	-101.4856123	285900.8451168985	439.1589.12204308	350.27.258440705117	333.63202909611	324.2750040075151	324.2750040075151	93.1033205460004	92.5280724356155
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295	182													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
377	132	134317	-122781.1413	1185187.3170250766	-38.378418882945916	-121.2335827	10763.0036026466	34831151.257	3321.5065025289953	3118.44717289007904	3116.3447922974383	3118.294098052601	3120.883636035211	70.13730368418947
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381	132	134321	-120141.1413	1185187.3170250766	-38.37845207700307	-121.2242842	308419.18737643396	34831135.04288319	3318.3493185607797	3117.9674154852732	3110.4754052885146	3110.3413717764857	73.49200119675866	72.35369727041622
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384	132	134324	-118161.1413	1185187.3170250766	-38.37847649172437	-121.2174272	309022.32408440055	34831122.967933207	3308.9907102429567	3116.84103427873433	3110.86023676249	3110.977420065138	66.5019641109448	65.43139712222833
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388	132	134328	-115521.1413	1185187.3170250766	-38.37850841358995	-121.2079126	309826.5037176166	34831106.790507655	3298.048726965438	3115.0711266582607	3110.5840789225328	3110.8396259158773	52.18782714238341	52.18782714238341
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390	132	134330	-114201.1413	1185187.3170250766	-38.378524105420666	-121.2032453	310228.5916236625	34831098.708188417	3296.10915324273	3115.4104824797676	3110.311018135361	3110.804727408048	48.2601047171956	48.2601047171956
391	132	134331	-113541.1413	1185187.3170250766	-38.37853186166645	-121.2009117	310429.6356677694	34831094.667329893	3295.97964837262	3115.48181835473258	3110.3989898652603	3110.8039712072171	44.83139139217838	44.83139139217838
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395	132	134335	-110901.1413	1185187.3170250766	-38.37856254133748	-121.1915771	311233.804895324	34831078.50568178	3296.907047	3113.43268053226	3094.7415231404993	3090.228343	46.69374491272674	47.2069248
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397	132	134337	-109581.1413	1185187.3170250766	-38.37857780072292	-121.1869908	311635.899450502	34831070.426323191	3296.65523494085	3113.918193906645	3080.03473622846	3079.8907246610716	51.8814831281685	52.115496992927
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401	132	134341	-106941.1413	1185187.3170250766	-38.3786071748998	-121.1775752	312440.064308106	34831054.26963829	3280.949647	3121.076393414994	3063.835701111972	3062.7120528692	57.2400873032026	57.35917407
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404	132	134344	-104961.1413	1185187.3170250766	-38.378628885007	-121.1705742	313043.1900198315	34831042.154	3272.960857856445	3113.07341315562745	3054.138490081427	3053.92732742549	59.8324824813138	59.14410471327533
405	132	134345	-104301.1413	1185187.3170250766	-38.378636955020975	-121.168206	313244.23383287	34831038.11613407	3269.6497327826	3112.918190884933	3051.16875312836	3051.16875312836	61.836383912838	61.836383912838
406	132	134346	-103641.1413	1185187.3170250766	-38.3786431364574	-121.1659819	313445.272563621	34831034.078254123	3268.372226171	3112.7445313198973	3048.54563192217	3048.54563192217	63.22801519026905	63.22801519026905
407	132	134347	-102981.1413	1185187.3170250766	-38.37865019281495	-121.1635732	313646.315613363	34831030.04572201	3262.974924326297	3110.509373837246	3046.848406971728	3046.848406971728	65.2256271365502	65.2256271365502
408	132	134348	-102321.1413	1185187.3170250766	-38.37865720409404	-121.1612396	313847.354774544	34831026.03089325	3259.52204141738	3045.67865243869	3045.67865243869	3045.67865243869	66.5019641109448	66.5019641109448
409	132	134349	-101661.1413	1185187.3170250766	-38.37866417029442	-121.1589059	314048.3590108943	34831021.965804013	3256.149484643306	3099.699755027522	3045.06570311943	3045.06570311943	67.9450253582493	67.9450253582493
410	132	134350	-101001.1413	1185187.3170250766	-38.37867109141618	-121.1565723	314249.435623583	34831017.982781326	3252.736765817307	3097.01920204315	3044.859345193937	3044.859345193937	69.52119857843637	69.52119857843637
411	132	134351	-100341.1413	1185187.3170250766	-38.37867796749927	-121.1542386	314450.4573205247	34831013.8913093715	3248.448329595956	3094.353496995967	3043.98109853104	3043.98109853104	71.35847481841711	71.35847481841711
412	132	134352	-99681.1413	1185187.3170250766	-38.37868478423708	-121.151905	314651.5159	34831009.63789841	3246.28173282025	3091.709812253814	3043.221470252767	3043.221470252767	73.89953761	73.89953761
413	132	134353	-99021.1413	1185187.3170250766	-38.3786915843003	-121.1495713	314852.557252487	34831005.819	3243.125189085595	3089.07080692762	3040.288761714204	3040.288761714204	75.8213385051694	75.8213385051694
414	132	134354	-98361.1413	1185187.3170250766	-38.37869832511646	-121.1472376	315053.59452527	34831001.782	3239.93102344846	3086.521050115574	3043.9457033408275	3043.9457033408275	77.4532673474532	77.4532673474532
415	132	134355	-97701.1413	1185187.3170250766	-38.37870502084477	-121.144904	315254.6349972273	34830997.74627694	3238.9363539594877	3041.206383963087	3041.206383963087	3041.206383963087	79.27755793442	79.27755793442
416	132	134356	-97041.1413	1185187.3170250766	-38.37871167149764	-121.1425703	315455.674610814	34830993.710371362	3231.081241069785	3079.49627378315	3079.709553508706	3079.709553508706	81.46318027444646	81.46318027444646
417	132	134357	-96381.1413	1185187.3170250766	-38.37871827706845	-121.1402367	315689.736446305	34830989.674876517	3228.21402913375	3078.028978611492	3034.251649897515	3034.251649897515	83.48811891452478	83.48811891452478
418	132	134358	-95721.1413	1185187.3170250766	-38.37872483757056	-121.137937	315885.7524751106	34830985.631784455	3221.346817197935	3076.914027110304	3032.9044115129003	3032.9044115129003	85.705667940237	85.705667940237
419	132	134359	-95061.1413	1185187.3170250766	-38.37873132873794	-121.135627	316089.736446305	34830981.272848574	3219.4728589574	3075.820254784944	3031.728589574	3031.728589574	87.981189138624	87.981189138624
420	132	134360	-94401.1413	1185187.3170250766	-38.378737823308334	-121.133357	316259.8031134263	34830977.56877995	3217.70841757805	3075.60548211595	3030.744548349023	3030.744548349023	89.694675623652	89.694675623652

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtBoth.f
503	182	13443	-39621.14133	118157.3170250766	39.79117715405464	-0.039395406	329345.43074212346	4306043.346834272	3998.875195361945	2953.3913626360913	2832.9830592763246	2832.762046400982	120.408303397667	120.6291362351094
504	182	13444	-39661.14133	118157.3170250766	39.791204	-0.03720907	329514.45004208126	4306039.238383745	3098.1635623029	2951.7454651182498	2829.79710552347	2829.381395881447	121.96666356509276	122.3792253010503
505	182	13445	-39801.14133	118157.3170250766	39.79123924	-0.0348472	333347.47910399575	4306035.310131971	3096.4515007763383	2950.74972478784	2830.0383468891798	2829.756779176898	120.71327916969837	120.92945296997637
506	182	13446	-39641.14133	118157.3170250766	39.79125631211195	-0.03925295	333548.50304136705	4306039.207026248	3044.739653306208	2951.05274662587	2831.559202587627	2831.57466770674	118.177892	118.47286737880351
507	182	13447	-39691.14133	118157.3170250766	39.7912817965404	-0.039200258	333749.5268167037	4306027.274219261	3047.735732505854	2949.250271387198	2832.818160884949	2832.900539149427	116.43221050224909	116.3497322273771
508	182	13448	-39321.14133	118157.3170250766	39.7913068301736	-0.03278721	333950.55043017736	4306032.25660108	3081.379737509126	2948.459376339834	2833.739029669697	2833.88972923838	114.570036399542	114.700363995512
509	182	13449	-39661.14133	118157.3170250766	39.7913314130111	-0.039255384	334151.5738198296	4306019.23908772	3083.043742673271	2947.637142053097	2834.451433986363	2834.6290311996314	113.823821894342	113.8003804676631
510	182	13450	-39001.14133	118157.3170250766	39.7913555450536	-0.03232047	334352.5972	4306015.21833257	3066.782695764083	2938.090078363434	2835.257877716117	2835.257877716117	111.69261740292495	111.52481859479467
511	182	13451	-39726.14133	118157.3170250766	39.7913762630038	-0.0369711	334563.62001471	4306014.20974635	3078.591980112616	2945.865488441615	2835.923284557955	2835.923284557955	110.09387944885212	110.09387944885212
512	182	13452	-39681.14133	118157.3170250766	39.7914024567518	-0.03185374	334754.8342595342	4306007.18701621	3077.659646748544	2944.975967428324	2836.6888877655	2836.762217109	108.29705527826847	108.29705527826847
513	182	13453	-39021.14133	118157.3170250766	39.7914252364074	-0.030162037	334955.6606777843	4306003.171231052	3070.809493748454	2944.02483526876	2837.8599645297005	2837.8599645297005	106.1647423835208	106.1647423835208
514	182	13454	-32361.14133	118157.3170250766	39.7914456526735	-0.00191387	335156.688723816	4305999.15478515	3069.905429	2943.041545282982	2839.150715377008	2839.075925733083	103.8907345280393	103.965270631872
515	182	13455	-31701.14133	118157.3170250766	39.791469443315	-0.00115363	335357.711205959	4305985.15845818	3068.018393019894	2942.0278145975158	2840.702511587187	2840.3620337393286	101.3252430009642	101.6657807861879
516	182	13456	-31041.14133	118157.3170250766	39.791490760002	-0.00909208	335558.7335351026	4305981.12247766	3068.139414099476	2940.849438139474	2841.725779302283	2841.246738132967	99.2590639133587	99.7381057856741
517	182	13457	-30381.14133	118157.3170250766	39.79151518470733	-0.0068689	335759.7557	4305967.10628712	3064.281289900007	2939.913626139763	2841.631610636564	2841.3849821200934	98.52882155034423	98.52882155034423
518	182	13458	-29721.14133	118157.3170250766	39.791532277503	-0.0045352	335960.7770757384	4305953.88094701	3062.382781900546	2938.8168691190336	2840.67986909811	2840.59374686351	97.03688322012258	98.22312246
519	182	13459	-29061.14133	118157.3170250766	39.7915524476314	-0.00202216	336161.7996540941	4305950.675363929	3059.62953918185	2937.697111992415	2839.305456509344	2839.0219424860934	95.916072414778	96.67516951
520	182	13460	-28401.14133	118157.3170250766	39.7915702717168	-0.00098679	336362.1624212116	4305946.1067907987	3056.2561629623295	2936.550604231805	2836.72612635765	2836.5846386836707	92.9820937414999	90.97137734813441
521	182	13461	-27741.14133	118157.3170250766	39.7915912450062	-0.00875342	336563.842769134	4305951.04489864	3052.3738300137684	2935.394648215396	2833.886312986679	2833.7469345887403	91.50833524671725	91.6477132665579
522	182	13462	-27081.14133	118157.3170250766	39.79160974997	-0.00852005	336764.801360437	4305947.03099645	3048.754776490864	2934.21786490864	2830.71069876526	2830.5730277414382	103.6063307241373	103.6063307241373
523	182	13463	-26211.14133	118157.3170250766	39.791628391975	-0.00828668	336965.8853482106	4305945.01046758	3045.84899262945	2933.01488913283	2827.3778858511273	2827.3778858511273	103.6365021020704	105.7522123799134
524	182	13464	-25761.14133	118157.3170250766	39.7916465009866	-0.00805331	337166.90536977576	4305939.000911745	3048.2173955859147	2931.7937356747	2824.081545361267	2823.34021236516	107.8570173389524	107.8570173389524
525	182	13465	-25281.14133	118157.3170250766	39.791664392004	-0.00782671	337368.92729556	4305935.827129556	3045.9496224789	2930.8193224789	2821.177215324045	2821.04083	110.717183896933	110.717183896933
526	182	13466	-24641.14133	118157.3170250766	39.79168018531334	-0.00856597	337569.348	4305950.975214781	3043.931188912507	2929.31841687173	2819.002239169547	2818.87694348595	101.3140251760227	100.4369802118794
527	182	13467	-23781.14133	118157.3170250766	39.7916986180265	-0.00883532	337769.9686054014	4305946.958612813	3040.4804175771987	2928.0358507556233	2817.58718522046	2817.466278298377	110.4607691734277	110.5822724666709
528	182	13468	-23211.14133	118157.3170250766	39.7917128357438	-0.00811983	337970.9890243375	4305942.94480053	3040.2197878300814	2926.768873096814	2816.545256010555	2816.16218037673	110.2233527066595	110.5076973900417
529	182	13469	-22611.14133	118157.3170250766	39.7917284026646	-0.00788647	338172.060206783	4305935.963380014	3035.92528636473	2925.475228636473	2815.266179178629	2815.266179178629	110.2090475874417	110.477123355511
530	182	13470	-21801.14133	118157.3170250766	39.7917438187894	-0.0076531	338373.0293904684	4305934.918092839	3035.205100834621	2924.168174420731	2815.8452687897036	2815.8452687897036	110.378762369505	110.7854291815429
531	182	13471	-21521.14133	118157.3170250766	39.79175819411704	-0.00748174	338574.04833771526	4305933.84681463	3034.5496224789	2923.19692024789	2815.8452687897036	2815.8452687897036	110.378762369505	110.7854291815429
532	182	13472	-21241.14133	118157.3170250766	39.791773894879	-0.0073178	338775.099	4305932.892967716	3033.78509	2922.151474995265	2815.27066717374	2815.27066717374	108.8446782169208	108.8446782169208
533	182	13473	-19821.14133	118157.3170250766	39.79178616238576	-0.00695299	338976.0887615965	4305922.87391592	3037.560324144525	2921.3717775924	2813.909242508723	2813.409671718805	106.74704075672002	106.761140587387
534	182	13474	-19161.14133	118157.3170250766	39.791796473252	-0.00671962	339178.102386193	4305918.86683076	3036.0541016412247	2918.810466527012	2813.92099	2813.8763346274	104.888367370430186	104.9317206428808
535	182	13475	-18501.14133	118157.3170250766	39.7918182374885	-0.00648625	339378.127593636	4305914.85451215	3036.39048572485	2917.430420717265	2812.4867119438346	2812.575705720879	104.94833013689185	104.94833013689185
536	182	13476	-17841.14133	118157.3170250766	39.7918247488154	-0.00625288	339579.1476273666	4305910.84238848	3035.879925052996	2916.041768714145	2809.64813744924	2809.396315213036	105.2939315213036	105.2939315213036
537	182	13477	-17181.14133	118157.3170250766	39.7918395705665	-0.00601951	339780.1657326557	4305906.830463112	3036.7643274400235	2914.628162634406	2805.592917848967	2806.012517473707	105.000416857732	105.000416857732
538	182	13478	-16521.14133	118157.3170250766	39.79184821911004	-0.00578416	339981.1548565381	4305902.81734061	3035.91692024789	2913.8193224789	2801.81048122874957	2801.81048122874957	111.3701700337231	111.3701700337231
539	182	13479	-15861.14133	118157.3170250766	39.79185728077625	-0.00555278	340182.203821163	4305908.87204372	3034.10786242581	2912.742784578606	2907.578453786006	2907.578453786006	114.1643309791534	114.1643309791534
540	182	13480	-15201.14133	118157.3170250766	39.7918698623836	-0.00531941	340383.221629277	4305904.795671345	3034.457699532108	2910.265584157106	2903.597137584745	2903.40129685874	116.6864781723936	116.6864781723936
541	182	13481	-14541.14133	118157.3170250766	39.79189	-0.00508604	340584.2042123851	4305903.784735871	3030.7605207196875	2908.7605207196875	2901.868069094458	2901.868069094458	115.4552481958233	115.4552481958233
542	182	13482	-13881.14133	118157.3170250766	39.7918995017111	-0.00485267	340785.25844458665	4305906.7793793	3035.011526111438	2907.22086626167	2902.3894356746987	2902.3894356746987	114.430591465433	114.9028577612358
543	182	13483	-13221.14133	118157.3170250766	39.791899059426	-0.0046193	340986.276221042	4305905.76305742	3034.059400443865	2905.640368970936	2903.050454597128	2902.97817470406	112.5854932378068	112.5854932378068
544	182	13484	-12561.14133	118157.3170250766	39.79190781091795	-0.00438919	341187.2944514817	4305906.75251467	3035.7028857012407	2904.01518573371	2903.42524750928	2903.38813739385	110.5589610244331	110.6233811798957
545	182	13485	-11901.14133	118157.3170250766	39.7919168309196	-0.00415933	341388.31384023	4305903.7525789	3034.917028678954	2902.917028678954	2902.412789051933	2902.412789051933	109.7162175445389	109.7162175445389
546	182	13486	-11241.14133	118157.3170250766	39.7919240684821	-0.00391919	341589.329852307	4305907.32019481	3034.31676253437073	2902.41077375072	2902.215805274108	2902.215805274108	108.1565720570014	108.1565720570014
547	182	13487	-10581.14133	118157.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatHtLogKgr.ft	SatHtBothKgr.ft
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630	134570	44198.8586730335	911857.3170250766	39.379097860904142	-100.6431619	558474.2807383372	43601.3458323956	2935.939702398184	2714.144589589373	2667.6439406813162	2677.2431767	41.896323826112616		
631	134571	44688.8586730335	911857.3170250766	39.37904819473254	-100.6406283	55861.269030710817	43601.3090432497	2934.9867621554848	2717.547047613842	2668.206691384632	2681.427024336525	42.33745975134925	36.122381715711566	
632	134572	45145.8586730335	911857.3170250766	39.379009173296582	-100.6384646	55876.29135942525	43600.56972381156	2935.178275040044	2716.04977667514	2671.077833034614	2685.78954841448	43.03149334587988	34.26332195066394	
633	134573	45617.8586730335	911857.3170250766	39.37900880137742	-100.6361609	55907.29735155744	43600.12604204568	2936.76933344601	2714.629494141259	2667.1424838371836	2682.0451780732734	43.53662013044752	32.6053076798545	
634	134574	46388.8586730335	911857.3170250766	39.379056424705994	-100.6338272	55927.3592783009568	43601.8116	2935.56111449157	2713.266621603458	2659.509751316445	2682.250143830346	43.60520352029524	30.8164112181918	
635	134575	47498.8586730335	911857.3170250766	39.379008802296322	-100.6314935	55949.4973971997596	43601.1618385629	2937.041960231963	2711.941960231963	2658.4262067942874	2680.32735358989	43.591922803471	31.614242656673934	
636	134576	48158.8586730335	911857.3170250766	39.37907893613557	-100.6291598	55980.3103068652	43601.162482252	2931.5839493301	2710.640316774076	2657.351059077293	2675.60362691221	43.289257014914266	35.0094036564363	
637	134577	48618.8586730335	911857.3170250766	39.37907662	-100.6268262	55988.31476195226	43601.1632475997	2930.9869354540744	2709.349392882713	2656.431304261614	2669.741015813681	43.306625946717374	38.0783774864565	
638	134578	49478.8586730335	911857.3170250766	39.379072257437785	-100.6244625	56002.319080432	43601.102482	2935.15201751131	2709.059542014883	2654.42527100301	2667.235786351492	43.37735014582	40.83584773695056	
639	134579	50138.8586730335	911857.3170250766	39.37906886517874	-100.6221588	56023.328231439	43600.95036405	2923.443214178006	2706.76289868235	2653.2130670502403	2665.349291119254	41.43836017325244		
640	134580	50798.8586730335	911857.3170250766	39.37906541803426	-100.6198251	56048.32741137512	43600.9456785651	2920.7395043092625	2705.453377497215	2652.111483005166	2660.804646	43.3422919675494	44.64873154211524	
641	134581	51458.8586730335	911857.3170250766	39.37906192581035	-100.6174914	56068.33122519134	43600.9067	2918.035054396276	2704.1254839232524	2649.989944224223	2657.41856284916	43.368298130054	46.70939211	
642	134582	52118.8586730335	911857.3170250766	39.37905838507076	-100.6151577	56086.335	43600.8617414787	2915.331341505611	2702.774911652646	2646.7561156686846	2658.3421709384162	43.3705969561324	44.432991949631755	
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647	134587	55418.8586730335	911857.3170250766	39.37904025279969	-100.6034893	56189.351892875	43600.66672298265	2912.054252997707	2695.594704319331	2634.152054207601	2659.204181807924	43.41628624672986	36.39325851140666	
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652	134592	58718.8586730335	911857.3170250766	39.37902054	-100.5918209	56286.36545256845	43600.6475	2892.398953302516	2687.74895179601	2625.791362572581	2647.3408142717382	43.4156722502005	40.480179078459	
653	134593	59378.8586730335	911857.3170250766	39.3790162973175	-100.5894872	56309.3677673256	43600.6478559343	2888.466383025142	2686.12750367175	2623.667278997272	2644.54182029338	43.4162091469304	41.58228384	
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672	134612	71918.8586730335	911857.3170250766	39.3789313075197	-100.5451474	56696.3871	43600.0185381248	2861.571104955424	2661.571104955424	2600.504501261	2627.4872356154805	43.37801968819274	41.7478192	
673	134613	72578.8586730335	911857.3170250766	39.37892637275547	-100.5428137	56717.3871	43600.0185381248	2860.571104955424	2660.571104955424	2600.504501261	2627.4872356154805	43.37801968819274	41.7478192	
674	134614	73238.8586730335	911857.3170250766	39.37892139291508	-10									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElev.ft	W.Lt.	BREIElevKgr.ft	SurfElev.ft	W.Lt.
15	183	134695	-367101.1413	192157.3172050766	-39.37424222948884	-102.0783439	34286.32727005397	43628.29425	3959.58232154211944	3732.5673944543517	3647.6654504147381	3647.6660408981734	84.903394797058	84.90184905			
16	183	134696	-361041.1413	192157.3172050766	-39.37426973693054	-102.076016	23502.4571115344	43628.2530284796	3958.2762630274009	3730.59671880595696	3646.5326632608442	3646.5326632608442	84.426801035459	84.4288036312742			
17	183	134697	-360381.1413	192157.3172050766	-39.37428169349622	-102.0736683	23529.5463920696	43628.2193288995	3959.485218651831	3729.410874165327	3645.622231133418	3645.622231133418	83.75477130037552	83.75885026311475			
18	183	134698	-359721.1413	192157.3172050766	-39.374316200177425	-102.0713349	35429.7100654879	43627.8107744936	3958.7617339280303	3727.81570737335	3644.77282140098	3644.77282140098	83.0284385936556	82.9396074327334			
19	183	134699	-359061.1413	192157.3172050766	-39.374340745817518	-102.0690016	35363.8370604933	43628.8126106212	3958.763839596449	3726.210672841516	3644.106805920452	3644.210664370687	82.10386692106385	82.0001084684795			
20	183	134700	-358401.1413	192157.3172050766	-39.374354684238955	-102.0666683	35381.963523343	43628.9648615015	3954.0952114422091	3643.486810971734	3643.658669390618	3643.658669390618	81.112332349172	80.9404511300399			
21	183	134701	-357741.1413	192157.3172050766	-39.3743897189339	-102.064335	36033.09038227977	43628.80416333138	3953.4848617500495	3642.799215937825	3642.942924880269	3642.942924880269	80.18619016	79.99191886978042			
22	183	134702	-357081.1413	192157.3172050766	-39.37441141232904	-102.0620016	36234.216650534	43628.70161339373	3952.873975022779	3721.372924111679	3640.862335112136	3641.029319232042	80.0599698948559	80.3425787863701			
23	183	134703	-356421.1413	192157.3172050766	-39.37443847769555	-102.0598683	36245.342657804	43627.9615150518	3950.485218651831	3719.76314165498	3638.94809355716	3638.94809355716	80.81513315714892	80.63945514			
24	183	134704	-355761.1413	192157.3172050766	-39.37446273796555	-102.057335	36256.4890247953	43627.923869762	3948.28342593413	3718.1629555690	3637.14753682054	3637.14753682054	81.0150873	81.2340387566246			
25	183	134705	-355101.1413	192157.3172050766	-39.3744807322662	-102.0550016	36387.59388721467	43627.988273	3947.068128301295	3716.575102187124	3634.38717788889	3634.995500203027	81.1819429	81.5791701401374			
26	183	134706	-354441.1413	192157.3172050766	-39.37451130388694	-102.0526683	37038.7911706744	43627.9415840323	3944.8679139159272	3715.009754857272	3633.79914294855	3631.959472451753	81.21064620961633	83.0503230401913			
27	183	134707	-353781.1413	192157.3172050766	-39.37453548848264	-102.050335	37239.84407365287	43627.9044425627	3942.414065474447	3713.479653849853	3631.981954263958	3645.692260520386	81.4979968027934	84.0230390794668			
28	183	134708	-353121.1413	192157.3172050766	-39.37455962508116	-102.0480016	37340.96787060553	43627.7530084804	3938.70658376753	3711.99932129637	3630.0854025405223	3625.71957929825	81.9138117	85.2634385131368			
29	183	134709	-352461.1413	192157.3172050766	-39.37458373446504	-102.0456683	37424.0932182698	43627.7013702346	3936.991018269943	3707.8941571774697	3625.914186289247	3626.9433023110742	82.56639752	85.56639752			
30	183	134710	-351801.1413	192157.3172050766	-39.3746077733534	-102.043335	37343.2174004104	43627.76174	3934.29161988135	3709.227893124203	3624.8824034803285	3622.25174580058	84.3548955209176	86.976147211834			
31	183	134711	-351141.1413	192157.3172050766	-39.37463177818506	-102.0410016	37800.441422679	43627.76359052458	3930.479048253834	3707.80197402372	3622.121071786235	3619.781927119394	85.81581256170921	88.1779352153886			
32	183	134712	-350481.1413	192157.3172050766	-39.37465573936145	-102.0386683	378245.46508534302	43627.59478	3925.30565	3706.69654314716	3619.268950052736	3618.073959171678	86.22759420277794	86.22759420277794			
33	183	134713	-349821.1413	192157.3172050766	-39.3746796521828	-102.0363349	37846.58848858025	43627.5637467298	3920.646505881917	3705.4924059888097	3616.83576	3615.830535150141	86.6566428	89.616708966984			
34	183	134714	-349161.1413	192157.3172050766	-39.3747033222400	-102.0340016	378647.716325927	43627.512521199	3915.7299604451837	3704.3116990748413	3614.053487871629	3605.0192487887935	86.1203212324	90.292481800475			
35	183	134715	-348501.1413	192157.3172050766	-39.3747273677689	-102.0316682	378849.834175897	43627.4713985368	3911.7366334777077	3703.1442379525927	3604.726587823254	3604.3102868087717	91.5359271702038	98.83396184600957			
36	183	134716	-347841.1413	192157.3172050766	-39.3747511262585	-102.0293349	378948.9571477554	43627.4306789784	3908.66567670598	3701.362060564466	3605.45921	3605.395369977739	92.5726857678453	101.1431306668102			
37	183	134717	-347181.1413	192157.3172050766	-39.37477593766228	-102.0270016	379015.5489505239	43627.381615122	3907.485218651831	3700.14523694846	3604.742314587167	3604.742314587167	93.61130871490875	94.71130871490875			
38	183	134718	-346521.1413	192157.3172050766	-39.3747985499804	-102.0246682	379452.201620374	43627.340692473	3902.526316506397	3699.68174936311	3606.574863390255	3610.478358453402	93.10680955165885	93.2051081517841			
39	183	134719	-345861.1413	192157.3172050766	-39.37482219426718	-102.0223349	379653.3234715276	43627.303692473	3898.921189055205	3696.02261931085	3605.96554543616	3613.6966402794167	92.57067339258	84.843388969187			
40	183	134720	-345201.1413	192157.3172050766	-39.3748457934673	-102.0200015	379854.4505425244	43627.2615050295	3897.871040861814	3697.402710461477	3605.696758197136	3603.68839820759	91.70502464643414	93.7143141546917			
41	183	134721	-344541.1413	192157.3172050766	-39.37486934759834	-102.0176681	379055.5663973857	43627.224989439	3895.640692684244	3696.268619752289	3606.028606862462	3602.9223306	95.5791273663527	95.5791273663527			
42	183	134722	-343881.1413	192157.3172050766	-39.37489286660296	-102.0153349	379268.6877737646	43627.183940805	3893.500474475035	3691.371298467	3606.547973946687	3590.92289152722	98.5899309378853	104.21502146373541			
43	183	134723	-343221.1413	192157.3172050766	-39.37491632068228	-102.0130016	379467.8082978445	43627.137811522	3891.744019687496	3690.0768848728817	3607.0768848728817	3607.0768848728817	101.62431631584726	101.62431631584726			
44	183	134724	-342561.1413	192157.3172050766	-39.37493973957662	-102.0106682	379549.730795766	43627.0911376136	3892.885162409357	3692.17710430389	3607.17710430389	3607.17710430389	105.6108971541134	105.6108971541134			
45	183	134725	-341901.1413	192157.3172050766	-39.3749631134395	-102.0083347	379680.491668902	43627.0502786532	3888.9974184219963	3691.770120697505	3607.12338427828	3591.37365742885	94.8467871952246	100.396514643583			
46	183	134726	-341241.1413	192157.3172050766	-39.37498642219671	-102.0060013	379816.169216761	43627.017138457	3887.6241174695014	3690.657747626343	3606.710862107724	3592.432418981607	93.84688552386197	98.2253268725364			
47	183	134727	-340581.1413	192157.3172050766	-39.37500972593165	-102.003668	379922.2800911336	43627.00687191925	3885.22170080960	3689.55280649627	3605.791331915421	3590.16049460562	93.761349545188	99.39260401890751			
48	183	134728	-339921.1413	192157.3172050766	-39.37503296457796	-102.001334	379941.4634854605	43626.96397	3881.790167904775	3688.4573059858	3604.289962616023	3587.6182621568723	84.1674008	100.83914144163555			
49	183	134729	-339261.1413	192157.3172050766	-39.37505615815483	-101.9990012	379952.5276295756	43626.9269587	3878.359600593906	3687.3741452789304	3602.223403273285	3584.9024774789585	85.15800495185	102.47187048307458			
50	183	134730	-338601.1413	192157.3172050766	-39.3750791632068228	-101.996678	379965.5489505239	43626.8817851122	3878.4573059858	3686.30455201457176	3599.3501153545893	3585.02195145893	85.611627195751	101.43130871490875			
51	183	134731	-337941.1413	192157.3172050766	-39.37510210100105	-101.9943345	379966.7656190576	43626.83136941094	3871.179055660408	3685.20509674002	3598.603504587314	3587.732394804674	88.990112156985	112.514112693585			
52	183	134732	-337281.1413	192157.3172050766	-39.3751254846844	-101.9920011	379972.6127332	43626.772642177	3867.11445561623	3684.212948759073	3593.239584764139	3570.1840647981305	93.9736339776809	114.022883395977			
53	183	134733	-336621.1413	192157.3172050766	-39.37514848176716	-101.989677	379976.023901331	43626.7315744715	3863.04935682636	3683.193421	3589.70710114663	3573.60017487196	93.4633106023718	109.5324459429429			
54	183	134734	-335961.1413	192157.3172050766	-39.3751714499923	-101.9873344	379978.1203923964	43626.6934	3858.985165563847	3682.192681971716	3586.145678322287	3586.032780249331	96.040890940162	106.15988614226604			
55	183	134735	-335301.1413	192157.3172050766	-39.3751947315561	-101.985001	379981.238140774	43626.643947408	3855.04130290457	3681.210406	3582.8055849712027	3584.932925077233	98.464083327744	86.3771312996684			
56	183	134736	-334641.1413	192157.3172050766	-39.37521725124525	-101.982678	379982.4357339795	43626.6047614156	3851.217199538402	3680.254790417054	3580.36653630946	3600.36425689803	99.6093251057953	79.98113381661232			
57	183	134737	-333981.1413	192157.3172050766	-39.375240271153835	-101.9803348	379983.4468128444	43626.56292075	3848.76777011288	3678.22984790856	3578.62923689453	3568.62923689453	100.006294616146	100.006294616146			
58	183	134738	-333321.1413	192157.3172050766	-39.375262872215475	-101.9780009	379984.374458965054	43626.5210179791	3843.56933035558	3678.361175114756	3578.711257142405	3603.048694981766	101.05268595758	75.2152623704049			
59	183	134739	-332661.1413	192157.3172050766	-39.37528581509534	-101.9756675	379										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.fg	BRIElevBothKgs.fg	SatThBoth.fg	SatThBoth.ft
141	183	134821	-278541.1413	1925127.3170250766	39.76969175457196	-107.784254	260166.43626479607	4323212.317113389	3662.74678397966	3424.991843689917	3624.7044656920552	3471.7438517739947	97.28737799786177	110.24799191592228
142	183	134822	-277881.1413	1925127.3170250766	39.77016156510304	-107.781919	260367.5298630555	4323608.208201709	3660.013093650441	3522.541096783124	3426.137448615727	3471.506206758444	96.50375416758516	98.1213062486832
143	183	134823	-277221.1413	1925127.3170250766	39.7703511327561	-107.786584	260568.6261045805	4323624.189847081	3657.4176358447	3520.296791	3424.565101197583	3478.74268966607	95.731698187354	91.52252174339312
144	183	134824	-276561.1413	1925127.3170250766	39.77054025167446	-107.777329	260769.721989409	4323630.00920953	3655.46605462482	3517.569924765487	3423.13090212644	3477.786631777226	94.8203255248488	70.1732410771614
145	183	134825	-275901.1413	1925127.3170250766	39.771077289	-107.774914	260970.817637932	4323626.00886161	3653.4758770036287	3515.631922562246	3421.86903813013	3465.784195	93.76288424921177	49.8472773253462
146	183	134826	-275241.1413	1925127.3170250766	39.77079171353143	-107.7726579	261171.9130502245	4323619.019991367	3651.5048975823757	3513.73179654384	3420.594363647257	3452.1307488674533	92.130780699525	61.18297070890585
147	183	134827	-274581.1413	1925127.3170250766	39.7711409010342	-107.7702344	261373.00826251893	4323627.891263213	3656.780327032364	3511.0055337406975	3419.451517544913	3443.5998125848505	91.15540119620265	47.60572128184704
148	183	134828	-273921.1413	1925127.3170250766	39.7712921602004	-107.767909	261574.10376102974	4323638.739509641	3658.3023221056047	3508.7081157697426	3418.5915782037414	3443.991170925547	90.11653756600117	47.61694844
149	183	134829	-273261.1413	1925127.3170250766	39.7714790822719	-107.765674	261775.19787196297	4323649.650383899	3661.4264927978	3506.425497078484	3417.44580373164	3451.655481975948	88.67303699752676	54.4671862988405
150	183	134830	-272601.1413	1925127.3170250766	39.77171665	-107.763323	261978.2502415217	4323675.560958972	3664.346207750305	3504.150238972553	3416.66461956419	3444.531783822776	87.485020382635	59.6171000859764
151	183	134831	-271941.1413	1925127.3170250766	39.7718514555712	-107.760994	262177.386579145	4323671.4274	3701.5439491957799	3501.8893195952962	3416.3813107779024	3423.61578908406	85.8500918139385	78.7247005090953
152	183	134832	-271281.1413	1925127.3170250766	39.772230686183	-107.7586569	262378.4065753445	4323627.38011553	3703.4714892624364	3499.63428391739	3415.6087412798047	3416.8434101143393	84.0296825393413	82.7950137033947
153	183	134833	-270621.1413	1925127.3170250766	39.772220929254	-107.7562324	262579.5743	4323623.29438042	3705.291934328268	3497.357941032436	3414.899976503233	3414.620529314424	82.49726345	78.7356817199916
154	183	134834	-269961.1413	1925127.3170250766	39.772406405404	-107.753989	262780.6678014215	4323629.26	3707.16456940137	3495.16715326715	3414.039852030062	3413.40790796245	81.1273012370928	82.12635346890606
155	183	134835	-269301.1413	1925127.3170250766	39.7725990003437	-107.7516564	262981.7611659204	4323617.7748382	3706.540501969137	3492.948037309037	3412.097652212771	3411.38617	80.980592320246	81.5618651840359
156	183	134836	-268641.1413	1925127.3170250766	39.77277746	-107.749329	263182.8542275673	432351.09276221	3703.700273801257	3490.745011477764	3408.943011646854	3405.437866927156	80.37018422019027	85.30716122019027
157	183	134837	-267981.1413	1925127.3170250766	39.772967781125	-107.746894	263383.9470552056	4323625.461906828	3707.751210317143	3486.506599272892	3405.4239074523907	3404.6440675458797	83.13669182050126	83.91653132701231
158	183	134838	-267321.1413	1925127.3170250766	39.7731405754392	-107.7446559	263585.0396423805	4323624.85428199	3697.833477107103	3486.396746533079	3402.0086362621	3401.034849	83.4961170054781	85.354860147906
159	183	134839	-266661.1413	1925127.3170250766	39.77332203323925	-107.7423224	263786.1320969016	4323628.766870321	3694.190913426949	3484.254665446243	3398.4807754021685	3397.0938774393965	85.77769114245575	87.14628910468782
160	183	134840	-266001.1413	1925127.3170250766	39.773504385716	-107.739988	263987.2242	4323623.48	3689.83406319985	3482.1532761107624	3394.5197119252884	3393.6356418547392	85.1604364737947	89.1404584737947
161	183	134841	-265341.1413	1925127.3170250766	39.773698239954	-107.737655	264188.3161	4323620.59236748	3685.480947175976	3480.12061071171	3389.85903043484	3387.811365286728	80.2383761367622	92.2899719
162	183	134842	-264681.1413	1925127.3170250766	39.773786239683	-107.735218	264389.19719752396	4323626.505891109	3681.13655450189	3478.102537324084	3384.2055808406753	3380.8145293913465	81.974259933734421	97.27859303734421
163	183	134843	-264021.1413	1925127.3170250766	39.773876239584	-107.732854	264590.46627044726	4323622.41047176	3684.6160478631	3457.880178542038	3382.618758230198	3380.618758230198	81.974259933734421	97.27859303734421
164	183	134844	-263361.1413	1925127.3170250766	39.773977557905	-107.730548	264791.59041625774	4323618.32739959	3672.830314285325	3474.5698278792793	3386.952950304534	3345.4024961020694	81.97563481454392	121.5763717718288
165	183	134845	-262701.1413	1925127.3170250766	39.774076082467	-107.7283213	264982.6813798872	4323614.2465764	3666.8428336585	3473.0086	3385.908473480176	3340.9997757427604	81.100206858524	132.008838213796
166	183	134846	-262041.1413	1925127.3170250766	39.774586809626	-107.7259877	265139.7217141238	4323620.16053654	3664.655635935786	3471.537511559589	3345.4691863474886	3343.9535754221433	82.1068325210072	127.5839613744602
167	183	134847	-261381.1413	1925127.3170250766	39.77477656093825	-107.7236542	265394.8626110997	4323626.07451551	3660.898611889306	3470.118127382495	3376.87751534417945	3342.38851954484	81.1142659295049	114.2659295049
168	183	134848	-260721.1413	1925127.3170250766	39.7748439611066	-107.7213207	265595.952978909	4323621.989104134	3657.472509435963	3468.72890389757	3343.583916158147	3354.875462490811	81.26996773342963	113.82697808908581
169	183	134849	-260061.1413	1925127.3170250766	39.7749391172263	-107.718872	265797.0426761525	4323622.41047176	3658.126198761525	3467.738240473297	3342.738240473297	3342.738240473297	81.100206858524	132.008838213796
170	183	134850	-259401.1413	1925127.3170250766	39.77512910941813	-107.716588	265998.118159345	4323618.15819345	3650.1003292411673	3345.8502999129	3338.8502999129	3338.8502999129	81.100206858524	132.008838213796
171	183	134851	-258741.1413	1925127.3170250766	39.77537405742805	-107.7143201	266199.222950823	4323619.73509498	3647.788350900874	3464.650646022526	3317.97898010566	3319.78994341889	84.6719738	144.8602076036357
172	183	134852	-258081.1413	1925127.3170250766	39.77556526	-107.711986	266400.3163843453	4323614.76107215	3645.91816895424	3304.78255413434	3303.965714982528	3306.1521988528	85.1562689159419	157.1562689159419
173	183	134853	-257421.1413	1925127.3170250766	39.77576860122125	-107.709653	266601.40075114404	4323618.564093134	3643.315275	3641.969821466687	3294.740475111203	3295.4348453253424	86.1223063457386	165.53497173434635
174	183	134854	-256761.1413	1925127.3170250766	39.7760041970035	-107.707319	266802.48963341257	4323617.97896597	3641.078732680964	3460.639993184653	3289.917781056716	3289.917781056716	80.7935243790317	170.7935243790317
175	183	134855	-256101.1413	1925127.3170250766	39.7761793	-107.704986	267035.9782654453	4323615.3498354	3638.546957562035	3459.307816351897	3285.3802262029433	3283.83213256691	81.69276434224464	181.69276434224464
176	183	134856	-255441.1413	1925127.3170250766	39.776354035281	-107.702654	267240.66627044726	4323618.11472738	3637.1640478631	3457.880178542038	3382.618758230198	3380.618758230198	81.974259933734421	97.27859303734421
177	183	134857	-254781.1413	1925127.3170250766	39.776525789804	-107.7003189	267405.745896629	4323615.27667192	3637.88841175207	3457.880178542038	3382.618758230198	3380.618758230198	81.974259933734421	97.27859303734421
178	183	134858	-254121.1413	1925127.3170250766	39.7767027026981	-107.6979584	267606.842862187	4323611.04065278	3637.056323717844	3455.37478238538	3328.7296170661466	3329.01748629667	82.16458611723916	126.3580113087148
179	183	134859	-253461.1413	1925127.3170250766	39.77687541476114	-107.6956158	267807.930953353	4323617.00667948	3636.923137678421	3454.078488606395	3336.26052	3327.0728670431	81.17179667904592	117.17179667904592
180	183	134860	-252801.1413	1925127.3170250766	39.7770483060793	-107.693318	268009.018096277	4323612.97454231	3637.485345590823	3452.787598194466	3342.3807485836305	3343.264795273015	80.1047112381605	105.5230645463303
181	183	134861	-252141.1413	1925127.3170250766	39.77723077466524	-107.690948	268210.10537421494	4323614.4894	3634.075115134216	3451.503823526992	3340.478395053643	3340.478395053643	80.1047112381605	105.5230645463303
182	183	134862	-251481.1413	1925127.3170250766	39.7773927364978	-107.6886152	268411.1924035755	4323614.4894	3634.075115134216	3451.503823526992	3340.478395053643	3340.478395053643	80.1047112381605	105.5230645463303
183	183	134863	-250821.1413	1925127.3170250766	39.777554035281	-107.686281	268612.307554035281	4323614.4894	3634.075115134216	3451.503823526992	3340.478395053643	3340.478395053643	80.1047112381605	105.5230645463303
184	183	134864	-250161.1413	1925127.3170250766	39.7777134	-107.683941	268813.3658270761	4323613.64652313	3633.313261553517	3447.691151576577	3355.7584280895	3355.7584280895	80.1047112381605	105.5230645463303
185	183	134865	-249501.1413	19										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.L.t	BREIElev.Kg.f	BREIElev.Kg.f	SatHdgK.f	SatHdgBoth.f
267	183	13497	-19581.1413	192517.3170250766	39.79036436423164	-101.4902966	285502.77707150835	3437198.505791599	3516.1960227555683	3437.0476652788193	3249.192686553707	3248.234005653115	41.54569672311241	92.8172596570408
268	183	13498	-19474.1711	192517.3170250766	39.79049758850875	-101.487393	285703.4542059343	3437194.40211831	3512.760062521688	3339.510215848436	3249.502776999163	3246.608495929538	91.7800379841987	92.7012651967
269	183	13499	-19461.1413	192517.3170250766	39.7903903628147	-101.4866284	285944.913127288	3437190.374831994	3518.16218287608	3337.56939991163	3248.63009247096	3245.643496	90.3909911206618	91.8259411690064
270	183	13499	-19340.1141	192517.3170250766	39.7907606585467	-101.4833528	286175.980536233	3437196.30052904	3505.889762051033	3335.8281207141526	3243.550231751222	3244.756345733735	90.4778892	91.59346518041917
271	183	13495	-19274.1711	192517.3170250766	39.79098455791316	-101.4809621	286307.0484	3437182.245	3502.36007329444	3334.0891602144407	3243.6622942854674	3242.50653782187626	90.4268695827326	91.5827819967803
272	183	13492	-19208.1141	192517.3170250766	39.7910259794053	-101.4786285	286508.1156557907	3437178.179892048	3498.731367139004	3325.355135829754	3242.63456613804	3241.7393319622934	90.37606990501	90.88130790307
273	183	13493	-19142.1141	192517.3170250766	39.7911569501256	-101.4762949	286709.1827147469	3437174.115311891	3495.11215872429016	3324.628742492016	3241.6938076749298	3240.560814499214	90.883466170829	90.0675799
274	183	13494	-19076.1141	192517.3170250766	39.7912874070734	-101.4739612	286910.2949176244	3437170.050931631	3497.4862014392037	3328.911364086148	3239.767132716054	3238.984948492562	89.14456236909403	90.763592609403
275	183	13495	-19001.1413	192517.3170250766	39.7914717532845	-101.4716272	287111.31628381205	3437165.986751058	3488.630614858067	3327.205847026287	3238.96319026678	3238.1972289817	89.72295104	90.8076470736704
276	183	13496	-18944.1141	192517.3170250766	39.7915471576524	-101.469254	287312.38274051604	3437161.922770787	3483.59388980698	3325.504948132727	3238.1073248982597	3238.45717593369	89.70517421990583	90.7517421990583
277	183	13497	-18878.1141	192517.3170250766	39.79167632528286	-101.4669063	287513.4488972458	3437157.858980188	3488.438103310372	3323.8251254933682	3238.148076	3237.955199913104	86.4525454232175	90.763592609403
278	183	13498	-18812.1141	192517.3170250766	39.791905	-101.4646267	287714.51502629474	3437153.795409452	3489.35667226056	3322.153544	3236.977448786314	3235.7005060262748	85.1760953730858	86.4499841933618
279	183	13499	-18746.1141	192517.3170250766	39.7919333	-101.4622391	287915.58085578005	3437179.32028582	3488.018579584558	3320.494941055229	3235.3386671686794	3231.683690931816	85.156273885457	88.8113311234128
280	183	13496	-18680.1141	192517.3170250766	39.7920611235345	-101.4599564	288116.6446760346	3437165.68847567	3485.43302098572	3318.849881252034	3233.435006117196	3232.40707983428	85.1148750807375	88.4402732660578
281	183	13491	-18614.1141	192517.3170250766	39.7921884890709	-101.4567258	288317.1718889703	3437161.059636936	3484.847612126983	3317.219478	3231.603915289293	3229.204533084977	85.16517625313673	88.0152241327124
282	183	13492	-18548.1141	192517.3170250766	39.79231540183355	-101.4552922	288518.777030858	3437172.54305805	3480.261735405805	3315.8071764460035	3229.49903658381	3227.57380076584	85.1181178726251	88.0339163640033
283	183	13493	-18482.1141	192517.3170250766	39.7924419648182	-101.4529585	288718.9408915394	3437164.40303567	3478.70288259327	3314.0208651178573	3227.500669291607	3225.957285693916	85.102018896656	88.0635972
284	183	13494	-18416.1141	192517.3170250766	39.7925678770354	-101.4506249	288920.90687387336	3437129.418121891	3472.432617121256	3312.462576105305	3225.3147220210724	3223.1747281450312	85.117714503112	87.8865940393317
285	183	13495	-18350.1141	192517.3170250766	39.7926984384743	-101.4482913	289121.9714579759	3437125.35940303	3468.07445986184	3310.93309306612	3223.09233262441	3223.378347164283	87.84157688219905	87.5556214232931
286	183	13496	-18284.1141	192517.3170250766	39.79281854913835	-101.4459576	289323.0358	3437121.29390783	3463.717274851134	3309.438735932925	3220.586248053187	3222.386754675695	88.84247059	87.0466685
287	183	13497	-18218.1141	192517.3170250766	39.7929432	-101.443624	289524.099997708	3437117.2317573	3460.19802790767	3308.0048553471	3218.290186711954	3218.1252074327	87.72959694	86.1675413
288	183	13498	-18152.1141	192517.3170250766	39.7930641142018	-101.4412903	289725.16455049426	3437113.705912579	3457.21964672703	3306.561180432398	3215.775248671232	3222.04436841893	87.7035919570473	86.1567893514048
289	183	13499	-18086.1141	192517.3170250766	39.793184750140235	-101.4389157	292540.032858054	3437109.182358054	3452.198841073178	3304.489347468937	3214.980217453414	3214.820221573104	86.470541703063	86.1567893514048
290	183	13490	-18020.1141	192517.3170250766	39.7933144841002	-101.4366231	290127.1923355332	3437105.704052953	3450.167178402066	3302.96557522943	3210.827653209242	3216.13662368187	85.303532793521	87.7263023407556
291	183	13491	-17954.1141	192517.3170250766	39.7934373408852	-101.4342884	290328.3547	3437170.0087	3448.2853047475619	3302.94547075619	3208.28888020748	3217.1188967405038	85.2547671082114	85.4767733084504
292	183	13492	-17888.1141	192517.3170250766	39.7935597	-101.4319558	290529.417825548	3437166.962529211	3446.20739146567	3301.385830918283	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
293	183	13497	-17822.1141	192517.3170250766	39.7936817021258	-101.4296221	290730.4807542529	3437162.86576503	3443.118947349966	3300.23898085691	3209.753471557754	3209.753471557754	85.0685551584684	87.7279264513742
294	183	13494	-17756.1141	192517.3170250766	39.7938032	-101.4272885	290931.6347357276	3437168.805291747	3443.03155546165	3299.148339288684	3202.03647293908	3206.611261	85.1118663606045	92.5370779881867
295	183	13495	-17690.1141	192517.3170250766	39.7939242859768	-101.4248456	291132.6058919918	3437164.785107626	3438.546374575308	3298.108224	3200.868977897974	3204.792839035218	85.1118663606045	92.5370779881867
296	183	13496	-17624.1141	192517.3170250766	39.7940469315583	-101.4226212	291333.79402937238	3437155.03005635	3434.55033005635	3300.10949047419	3215.71348925109	3215.71348925109	85.1118663606045	92.5370779881867
297	183	13497	-17558.1141	192517.3170250766	39.7941651052823	-101.4202876	291534.73040426534	3437167.625338575	3425.5549047307963	3296.144872329584	3208.534489910988	3205.534489910988	85.1118663606045	92.5370779881867
298	183	13498	-17492.1141	192517.3170250766	39.7942847166274	-101.4179539	291735.7923042921	3437162.56573297	3425.951804	3295.20451259547	3205.51106734154	3205.51106734154	85.1118663606045	92.5370779881867
299	183	13499	-17426.1141	192517.3170250766	39.79430439671947	-101.4156203	291936.8539995602	3437168.5063887	3422.854888726969	3300.23898085691	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
300	183	13490	-17360.1141	192517.3170250766	39.79452276698345	-101.4132866	292137.9154907277	3437166.447182853	3417.973019031916	3293.3716	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
301	183	13491	-17294.1141	192517.3170250766	39.7946411159599	-101.410953	292328.3876776539	3437160.389710085	3413.0213150808638	3292.46808127515	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
302	183	13492	-17228.1141	192517.3170250766	39.7947590140235	-101.408193	292540.032858054	3437164.785107626	3410.4940251076	3291.5890225547	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
303	183	13493	-17162.1141	192517.3170250766	39.7948765	-101.4058257	292721.09873713814	3437162.56573297	3408.16352203585	3290.69801394834	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
304	183	13494	-17096.1141	192517.3170250766	39.7949934583516	-101.40352	292942.15941168784	3437164.785107626	3407.195716408193	3289.76920852494	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
305	183	13495	-17030.1141	192517.3170250766	39.7951100042458	-101.4016183	293143.219882706	3437164.785107626	3406.16451524011	3288.865123710463	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
306	183	13496	-16964.1141	192517.3170250766	39.7952260993602	-101.3992847	293344.28015040956	3437160.389710085	3405.2610251573915	3287.96604167083	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
307	183	13497	-16898.1141	192517.3170250766	39.7953471436947	-101.396951	293545.340214993	3437163.0847056	3404.2634045966	3287.034744869075	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
308	183	13498	-16832.1141	192517.3170250766	39.7954658972483	-101.3946174	293746.404076662	3437161.059636936	3403.7907962498115	3286.126163500706	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
309	183	13499	-16766.1141	192517.3170250766	39.7955847217136	-101.392381	293947.5191092063	3437162.56573297	3402.46387498284	3285.1793936587	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
310	183	13490	-16700.1141	192517.3170250766	39.7956959727017	-101.3899051	294184.5191092063	3437162.56573297	3401.388254853013	3284.263704545117	3205.877175403415	3213.657904467913	85.0685551584684	87.7279264513742
311	183	13491	-16634.1141	192517.3170250766	39.7957998132305	-101.3876164	294349.578446268	3437161.059636936	3400.3824852644783	3283.26692906123	3205.877175403415	3213.657		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKgr.f	BREVEbothKgr.f	AttoBothKgr.f	SatHtBoth.f
339	13	13073	-11221.1413	912517.3172050766	39.3803607669725	-101.1962543	31085.76864425046	43621287.815	3300.291605396877	3143.532598999207	3102.930430732208	3102.563082	40.62061682699889	40.9695169896964
394	13	13074	-11561.1413	912517.3172050766	39.38036719271008	-101.1932026	311036.8116237515	4361283.74290642	3300.955227412196	3140.763013535748	3098.747582226195	3098.3087904081693	40.01543125054741	44.54341344875763
396	13	13075	-11901.1413	912517.3172050766	39.3803731676332	-101.1891968	312244.1089148187	4361255.496721715	3298.624871768678	3138.019568592167	3096.5163242153103	3096.026381238261	47.4655347375675	47.4655347375675
396	13	13076	-110241.1413	912517.3172050766	39.3803286917994	-101.1925213	311438.89782781374	4361263.953900442	3296.4885793228917	3135.254157892363	3084.5643002483366	3084.11956045045	50.68995764402523	51.13459740487594
397	13	13077	-109681.1413	912517.3172050766	39.3803937651489	-101.1869194	311639.9402527866	4361271.65138757	3298.289606809126	3132.523664937463	3079.756207577235	3078.963087784621	53.1480441795063	53.56357517
398	13	13078	-108921.1413	912517.3172050766	39.3803793877032	-101.1845857	311840.962933288	4361267.61448594	3300.09034440021	3129.810782619829	3074.774087994533	3074.54368543331	56.6204630263733	56.2731407497477
399	13	13079	-108261.1413	912517.3172050766	39.3804052594603	-101.1792282	312042.024949444	4361275.57032158	3287.380618490206	3127.115638734529	3070.783870769485	3070.596399486043	58.3176866	58.5162942851432
400	13	13080	-107601.1413	912517.3172050766	39.3804126804208	-101.1799183	312243.067102139367	4361259.35377223	3285.195857692205	3124.438148438517	3066.990160950247	3066.897305376737	57.4481313331097	57.540843061814485
401	13	13081	-106941.1413	912517.3172050766	39.38041995595846	-101.1775846	312444.1089148187	4361255.496721715	3286.624871768678	3129.770568592167	3064.349650777566	3063.30827762227	58.4274080849698	58.47423108849795
402	13	13082	-106281.1413	912517.3172050766	39.380427236995125	-101.1752509	312645.1505152877	4361251.457640945	3280.174356997473	3116.14045892168	3059.76950542041	3059.73475	59.36009069128135	59.58630326185286
403	13	13083	-105621.1413	912517.3172050766	39.38043447	-101.1729172	312846.1921367517	4361247.412050684	3287.812274837372	3116.494171347044	3056.3358773380307	3056.3057963790021	60.2538380931323	60.3817486799519
404	13	13084	-104961.1413	912517.3172050766	39.38044165623934	-101.1705834	313047.2347501596	4361238.380746513	3274.222688092987	3113.86399103824	3053.56083368483	3053.406846817942	60.30780574	60.40522548594927
405	13	13085	-104301.1413	912517.3172050766	39.38044813272683	-101.1682497	313248.2764302855	4361239.34248036	3270.63351	3111.23381339419	3050.2217334386355	3050.2128840978347	61.02992931004044	61.02992931004044
406	13	13086	-103641.1413	912517.3172050766	39.38045913944594	-101.165916	313449.3156027655	4361235.30444246	3267.0441514641164	3108.591389064071	3047.7400561306727	3047.6913033396127	60.8513033396127	60.76059687147195
407	13	13087	-102981.1413	912517.3172050766	39.380467040259	-101.1635823	313650.356926624	4361231.26686167	3263.5719748412513	3105.3049635653163	3046.7519841791783	3046.755896340228	59.89130843938005	59.89130843938005
408	13	13088	-102321.1413	912517.3172050766	39.38046998	-101.161248	313851.397	4361227.22808776	3260.24035027565	3103.236711650367	3045.27809883929	3045.32978039859	57.95780177543586	57.9068126077895
409	13	13089	-101661.1413	912517.3172050766	39.38047694831923	-101.1589149	314052.4374255236	4361223.19143732	3256.80903570783	3100.540219674633	3045.202042	3045.216352105027	55.3831776621364	55.3286786913364
410	13	13090	-101001.1413	912517.3172050766	39.38048369961786	-101.1565812	314253.477466889	4361214.15166473	3253.561152114481	3047.848719391427	3045.2606419323324	3045.268761286637	52.5846704281029	52.5846704281029
411	13	13091	-100341.1413	912517.3172050766	39.38049074583665	-101.1542474	314455.517305127	4361215.11709096	3250.254952517337	3057.13358579413	3045.65793057587	3045.619675694317	49.51416550534075	49.51416550534075
412	13	13092	-99681.1413	912517.3172050766	39.38049787975635	-101.1519137	314655.5570165684	4361206.12034477	3246.981046261031	3052.521602160232	3046.263570410639	3046.2705019638404	46.2580169538404	46.2580169538404
413	13	13093	-99021.1413	912517.3172050766	39.38050436304774	-101.14958	314866.9397092738	4361203.074366098	3243.705717633287	3089.901262776088	3046.911245042892	3047.9317123523887	42.990376174756	42.990376174756
414	13	13094	-98361.1413	912517.3172050766	39.3805111040142	-101.1472463	315057.636262894	4361207.07089715	3241.042126474417	3087.3190517487197	3045.921425616035	3046.195381347165	41.397621320652	41.11951361347519
415	13	13095	-97711.1413	912517.3172050766	39.38050720891324	-101.145472	315264.9084978533	4361211.75756595	3239.531383441473	3079.763689898438	3043.175894415793	3043.175894415793	40.61847866114765	40.61847866114765
416	13	13096	-97041.1413	912517.3172050766	39.38052440073626	-101.1425789	315459.715492553	4361194.93472122	3231.791737603306	3082.27078496932	3037.255705373465	3037.3410856981	45.0185081125555	44.9380658304108
417	13	13097	-96381.1413	912517.3172050766	39.380531065475874	-101.1402451	315660.75430024	4361190.88867496	3227.12533473407	3079.809354399543	3032.67065	3032.721523245263	47.1387042863717	47.08783086989042
418	13	13098	-95721.1413	912517.3172050766	39.38053671713558	-101.1379114	315861.7931862374	4361186.863	3222.455239528573	3077.3890750376	3027.4415672836	3027.5986242369194	49.9462227896513	49.7891471383185
419	13	13099	-95061.1413	912517.3172050766	39.380544132715364	-101.1355777	316062.8314054247	4361182.827714542	3217.567247955449	3075.068927108553	3022.4259513647685	3022.501054660168	52.5087244383334	52.5087244383334
420	13	13100	-94401.1413	912517.3172050766	39.38055063021522	-101.133244	316263.870239508	4361178.79243198	3212.4592896978	3072.66524404091	3016.470792464365	3016.4554244824045	56.19448569354315	56.3107025769683
421	13	13101	-93741.1413	912517.3172050766	39.38056702861232	-101.13109913	316464.9084978533	4361177.75756595	3210.763689898438	3070.763689898438	3014.175894415793	3014.175894415793	56.19448569354315	56.3107025769683
422	13	13102	-93081.1413	912517.3172050766	39.38057343097058	-101.1285769	316665.965754545	4361175.75756595	3208.9173184574	3068.09411890116	3010.368511576922	3010.368511576922	56.19448569354315	56.3107025769683
423	13	13103	-92421.1413	912517.3172050766	39.38056974423507	-101.1262428	316866.9846720346	4361166.67793594	3206.836380733604	3065.874765316226	3008.9008439245895	3007.75083489567	57.7833324703312	58.12429304
424	13	13104	-91761.1413	912517.3172050766	39.38057603441506	-101.1239091	317068.0221440006	4361162.653301715	3196.701371386607	3060.87032074542	3009.744636287818	3009.520781817915	53.42395766723964	54.16675262750485
425	13	13105	-91101.1413	912517.3172050766	39.38058227951507	-101.1215754	317269.0597228878	4361158.19204548	3194.709324005064	3061.5371757732687	3001.4501001789367	3001.28022292794	50.82705594331694	50.25692485447464
426	13	13106	-90441.1413	912517.3172050766	39.38058487953508	-101.1192416	317470.0970826975	4361154.69043966	3192.5717326945207	3059.447021066945	3001.3482148763002	3001.3425625872023	45.04067443999226	45.04067443999226
427	13	13107	-89781.1413	912517.3172050766	39.3805845661358	-101.1168079	317671.134264015	4361150.551052157	3191.6179565033336	3057.3494930685027	3002.541399443032	3002.541399443032	41.40894366950348	41.40894366950348
428	13	13108	-89121.1413	912517.3172050766	39.38059074433504	-101.1145742	317872.1712670654	4361145.17823639	3190.5140552146	3054.31140552146	3001.145712519189	3001.145712519189	36.2105011436783	36.2105011436783
429	13	13109	-88461.1413	912517.3172050766	39.38059680911495	-101.1122405	318073.208020491	4361142.83978596	3195.423873903666	3053.10366811924	3002.3947240442165	3002.3947240442165	30.9203127328277	30.21563027987584
430	13	13110	-87801.1413	912517.3172050766	39.3806122881483	-101.1090907	318274.2447391698	4361134.50489237	3201.8448669834734	3051.34298353866	3025.697436522263	3027.0657414754153	24.860618314226	24.860618314226
431	13	13111	-87141.1413	912517.3172050766	39.38061808343466	-101.107573	318475.2812086335	4361131.447489721	3203.5423067740626	3049.49227564571	3015.477579644741	3015.477579644741	23.917397461704	23.917397461704
432	13	13112	-86481.1413	912517.3172050766	39.380624732974375	-101.1052393	318676.3175006441	4361126.304895767	3204.04475256944	3047.5291918094626	3003.565617316867	3004.0905021003596	43.93637549259585	43.4341701
433	13	13113	-85821.1413	912517.3172050766	39.38063081743403	-101.1029586	318877.356154081	4361126.35190459	3205.676293917462	3046.679293174243	3002.5943479912433	3002.5943479912433	53.24581239831241	53.24581239831241
434	13	13114	-85161.1413	912517.3172050766	39.38063346681338	-101.1005718	319078.38955313043	4361122.319407392	3205.048641614107	3043.860837864207	3001.399443531587	3001.399443531587	42.67393525445433	42.67393525445433
435	13	13115	-84501.1413	912517.3172050766	39.38063951111304	-101.098125	319284.3081401613	4361119.5236786465	3204.149235811038	3041.715236786465	3000.715236786465	3000.715236786465	42.67393525445433	42.67393525445433
436	13	13116	-83841.1413	912517.3172050766	39.3806400332398	-101.095094	319480.0460982708	4361114.25500339	3204.048637953791	3040.3528780651	3003.4678078631	3003.4678078631	76.8577588592906	76.8577588592906
437	13	13117	-83181.1413	912517.3172050766	39.38065374431555	-101.0935707	3							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBotKrg.ft	LatHt4Krg.ft	SurfHtBotKrg.ft
519	183	135199	-29061.14133	192517.3170205766	-39.3089680353672	-100.9020241	33656.81912589934	4360780.282339394	3309.3219672756184	237.4088219010486	2836.924603436082	2836.932056761796	284.44184849674	701.751622487297
520	183	135200	-29041.14133	192517.3170205766	-39.3089679977938	-100.8998704	33636.6406759934	43607.76.26689287	3055.07373008198	2936.2642672035513	2834.467032701075	2834.544291797316	101.59399418257635	701.71798600591978
521	183	135201	-2781.14133	192517.3170205766	-39.3089719157332	-100.8858341	33657.61769662646	43607.81834349019	2855.09427	2832.0145813968293	2831.907257694473	2831.938396811907	101.59399418257635	701.71798600591978
522	183	135202	-27801.14133	192517.3170205766	-39.30897379	-100.8952029	33678.84038083362	43606.52937318216	2838.931173622211	2828.820762393163	2828.9013713622211	2828.901371362211	101.59399418257635	701.71798600591978
523	183	135203	-26421.14133	192517.3170205766	-39.3089756146687	-100.8828691	33669.90409129014	43607.62417242819	3054.5365086005135	2932.712262091497	2825.5496263197517	2825.5496263197517	101.59399418257635	701.71798600591978
524	183	135204	-25761.14133	192517.3170205766	-39.30897373682266	-100.8905354	337170.9249	43607.60.207089789	3045.094820194006	2931.4915938243394	2821.896707565968	2821.6646831765092	101.59399418257635	701.71798600591978
525	183	135205	-25101.14133	192517.3170205766	-39.308975913387759	-100.8880216	337371.94562168594	43607.56.19263461	3045.534517448803	2930.2539276318753	2818.4449170699905	2818.13245925152043	101.59399418257635	701.71798600591978
526	183	135206	-24441.14133	192517.3170205766	-39.3089802585175	-100.8858769	337372.961459332	43607.52.17837367	3045.9742328717687	2929.000073925626	2818.4449174489906	2818.1660649245748	101.59399418257635	701.71798600591978
527	183	135207	-23781.14133	192517.3170205766	-39.3089824774515	-100.8835341	337373.896194345	43607.46.16431758	3046.01527396598	2927.728524687283	2815.1215339639639	2815.307257694473	101.59399418257635	701.71798600591978
528	183	135208	-23211.14133	192517.3170205766	-39.30898047455781	-100.8812004	337375.0570515792	43607.44.15045407	3045.706959515048	2926.46105640393	2814.890555659313	2814.830252560983	101.59399418257635	701.71798600591978
529	183	135209	-22661.14133	192517.3170205766	-39.308985631289564	-100.8788668	338176.0276671771	43607.40.36179073	3045.3815911590722	2925.147273119303	2813.847632710881	2813.57951404102	101.59399418257635	701.71798600591978
530	183	135210	-21801.14133	192517.3170205766	-39.30897142940754	-100.8765329	338377.04668343347	43607.32.12358838	3045.056915428661	2923.834487855334	2812.7131887176395	2812.3872371309379	101.59399418257635	701.71798600591978
531	183	135211	-21141.14133	192517.3170205766	-39.3089880951108	-100.8741991	338578.0664235547	43607.32.11008808	3046.163481057467	2922.5801343937372	2811.74195557847	2811.377407400741	101.59399418257635	701.71798600591978
532	183	135212	-20481.14133	192517.3170205766	-39.3089901000614	-100.8718564	338779.0806074476	43607.28.09689588	3048.7020698950326	2921.1684875027554	2811.201769860637	2810.967401566576	101.59399418257635	701.71798600591978
533	183	135213	-19821.14133	192517.3170205766	-39.30899140740575	-100.8699516	338980.15043320864	43607.24.81162626	3049.1210390610248	2919.8159831701683	2811.012422320537	2810.801794368979	101.59399418257635	701.71798600591978
534	183	135214	-19161.14133	192517.3170205766	-39.3089927387375	-100.8671979	339181.12470315216	43607.20.07144116	3053.77881806561	2918.448964568515	2810.531406342854	2810.42691125609	101.59399418257635	701.71798600591978
535	183	135215	-18501.14133	192517.3170205766	-39.3089940248643	-100.8648641	339383.1634178036	43607.16.05894625	3054.306704579585	2917.0655762979986	2809.246505515695	2809.20159844221	101.59399418257635	701.71798600591978
536	183	135216	-17841.14133	192517.3170205766	-39.30899561615092	-100.8625304	339583.127742982	43607.12.06856822	3052.98378576934	2915.6367391718	2807.00398029029	2807.00342174231	101.59399418257635	701.71798600591978
537	183	135217	-17181.14133	192517.3170205766	-39.3089966423355	-100.8601966	339784.1815791205	43607.08.34046025	3051.6669925829042	2914.214407659587	2804.2001281363384	2803.9948393121113	101.59399418257635	701.71798600591978
538	183	135218	-16521.14133	192517.3170205766	-39.30899761324135	-100.8578629	339985.2002218257	43607.04.0222154	3052.7904210658874	2912.797406817264	2803.476598878854	2803.4281172571396	101.59399418257635	701.71798600591978
539	183	135219	-15861.14133	192517.3170205766	-39.30899871916537	-100.8559291	340186.2817212242	43607.00.01034675	3048.656368	2911.329461375532	2796.640033545724	2796.510165968324	101.59399418257635	701.71798600591978
540	183	135220	-15201.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
541	183	135221	-14541.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
542	183	135222	-13881.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
543	183	135223	-13221.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
544	183	135224	-12561.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
545	183	135225	-11901.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
546	183	135226	-11241.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
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552	183	135232	-7281.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
553	183	135233	-6621.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
554	183	135234	-5961.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
555	183	135235	-5301.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
556	183	135236	-4641.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
557	183	135237	-3981.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
558	183	135238	-3321.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
559	183	135239	-2661.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
560	183	135240	-2001.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
561	183	135241	-1341.14133	192517.3170205766	-39.3089995960757	-100.8531954	340387.23704737244	43606.99.995473568	3048.85828911762	2909.353717065672	2795.890749666625	2795.821255694474	101.59399418257635	701.71798600591978
562	1													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRrElevLogsKrg.ft	BRrElevBothKrg.ft	SatSktLogsKrg.ft	SatBothKrg.ft
63	13325	54098.8586730335	192517.3170250766	39.380860293941225	-10.6081519	361493.3390671424	4360275.892108796	2912.2942035856313	2686.326063	2637.8090401193253	2661.1207527149895	60.5251322204358	37.20531062477039	
64	13326	54758.8586730335	192517.3170250766	39.3808567625236	-10.6058182	361894.3247040074	4360271.931503961	2912.02084496122	2696.832462991143	2635.4440574669735	2660.3471027431517	61.4758652416956	36.47032711681137	
647	13327	55418.8586730335	192517.3170250766	39.3808529695984	-10.6034845	361895.3450951189	4360267.811559484	2910.188109503897	2695.291154	2633.75964030681	2657.763488030294	61.5365131589891	37.53170497834071	
648	13328	56078.8586730335	192517.3170250766	39.38084905520044	-10.6011507	362096.3478050974	4360253.920974756	2906.70418381642	2673.742677041277	2632.33959542293	2653.657487733273	61.40300317182952	40.0851309704892	
649	13329	56738.8586730335	192517.3170250766	39.3808451259462	-10.598817	362297.3504189483	4360259.931	2903.25026259699	2692.1678588322293	2630.9201084489196	2656.703015	61.27407503330972	41.46470843329115	
650	13330	57398.8586730335	192517.3170250766	39.38084154556685	-10.5964832	362498.3520452716	4360255.141202782	2909.7963413537736	2696.542619671173	2629.54261863696	2649.645192730123	61.03000134717706	40.92742712410483	
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652	13332	58718.8586730335	192517.3170250766	39.3808333223934	-10.5918158	362900.3535458525	4360247.962217967	2891.781713725067	2687.3290179148776	2625.96328721629	2651.4959789608297	61.3626891324857	35.3323414035677914	
653	13333	59378.8586730335	192517.3170250766	39.38082926995984	-10.589482	363101.3598413246	4360243.973027027	2892.932269132332	2687.269828481	2624.093613524095	2648.816983836654	61.5365131589891	36.87649398467579	
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655	13335	60698.8586730335	192517.3170250766	39.38082108159705	-10.5848145	363503.3634869744	4360235.955	2880.3804738206103	2682.3807854182062	2619.0345672274864	2649.2825021710272	63.34611819071188	33.0826470718089	
656	13336	61358.8586730335	192517.3170250766	39.38081691963896	-10.5824808	363704.3651825391	4360232.00669527	2877.4414714449826	2680.720434218327	2616.2568120505937	2651.3108007570024	64.4636213673001	29.40623481795936	
657	13337	62018.8586730335	192517.3170250766	39.38081276037465	-10.5801471	363905.3667648189	4360228.018199282	2875.05320690155	2679.05838765427	2613.3090787312127	2649.7958766719514	65.31493100257401	26.22622036917994	
658	13338	62678.8586730335	192517.3170250766	39.3808044735595	-10.5778133	364106.36821601365	4360224.02985763	2871.563508555107	2677.396805555107	2610.4231218397867	2644.1362574474615	67.9372901571498	33.26061511070422	
659	13339	63338.8586730335	192517.3170250766	39.38080044359381	-10.5754796	364307.36963632294	4360220.014196861	2871.1242470767927	2675.739918525592	2608.509961983821	2647.0086981812082	67.22802939681384	38.72913207200516	
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662	13342	65318.8586730335	192517.3170250766	39.380790961824886	-10.5684784	364910.37274101352	4360208.07909782	2877.307702141136	2670.798749977646	2609.84853257917	2631.999651917013	69.0149671972806	38.79904785946415	
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664	13344	66638.8586730335	192517.3170250766	39.3807819485768	-10.5638109	365312.3741818577	4360200.19646277	2876.95252772173	2667.554155647608	2600.674811637913	2617.879248809623	68.7872423816516	46.8626715479848	
665	13345	67298.8586730335	192517.3170250766	39.3807773433225	-10.5614772	365513.3472	4360196.11798748	2876.02874226896	2665.948733423636	2607.6340893983876	2610.03093674786	68.31464748975864	48.8862946615927	
666	13346	67958.8586730335	192517.3170250766	39.3807725500738	-10.5591434	365712.375501738	4360192.11538726	2876.105294716196	2664.3530331920215	2604.991363481486	2610.91968320688	69.351333037493	44.4614043595274	
667	13347	68618.8586730335	192517.3170250766	39.3807682682917	-10.5568122	365912.3749492695	4360188.158362	2876.204332715026	2663.82482289846	2604.991363481486	2610.91968320688	69.351333037493	44.4614043595274	
668	13348	69278.8586730335	192517.3170250766	39.3807638111638	-10.554476	366116.3755613066	4360184.15869616	2876.121470196113	2661.197091466113	2601.743526267255	2625.34274610951	69.452365198582	35.8534354	
669	13349	69938.8586730335	192517.3170250766	39.3807586255306	-10.5521422	366317.3755613066	4360180.173	2868.06763891366	2659.632907803666	2600.90926	2625.34274610951	68.7299251436661	34.31074269742524	
670	13350	70598.8586730335	192517.3170250766	39.38075383	-10.5498085	366518.3754802901	4360176.186760235	2867.520507552987	2658.03846242766	2599.82227188915	2625.179880563544	68.27157344601504	32.91395672022656	
671	13351	71258.8586730335	192517.3170250766	39.38074882177295	-10.5474748	366719.3754260285	4360172.101781048	2865.01037546274	2656.56003178805	2598.64502180244	2623.130884837754	69.741543030959868	33.2419494422975	
672	13352	71918.8586730335	192517.3170250766	39.3807440377029	-10.545114	366920.374883536	4360168.215647878	2861.861728904682	2655.037948172203	2597.4706092469255	2618.71925113069	67.56733892277454	36.31889705843876	
673	13353	72578.8586730335	192517.3170250766	39.3807391748949	-10.5428122	367121.374962965	4360164.2868217	2861.731378907843	2653.1268120627	2596.187467487467	2614.181854769887	67.38076689919725	39.3456410886678	
674	13354	73238.8586730335	192517.3170250766	39.38073417751228	-10.5404738	367322.37496446	4360160.253151215	2855.56125119538	2650.92778192506	2595.042219184054	2615.93271224026	68.15936271204294	36.05504957617324	
675	13355	73898.8586730335	192517.3170250766	39.38072915246489	-10.5381398	367523.371288033	4360156.26044006	2851.94304713854	2649.357820344426	2592.750543103986	2619.0765652099235	68.1467258024403	31.4672541251008	
676	13356	74558.8586730335	192517.3170250766	39.3807240233663	-10.5358061	367724.3725551927	4360152.27576098	2845.946374	2649.0562936074625	2591.295424749377	2619.706474	67.761058952466	29.394819582042056	
677	13357	75218.8586730335	192517.3170250766	39.38071896712813	-10.5334724	367925.37125504395	4360148.2819321	2840.58104	2647.582002190992	2590.3737071759283	2618.477250327426	67.20829501506387	29.947481856638	
678	13358	75878.8586730335	192517.3170250766	39.3807138063935	-10.5311387	368126.3701275444	4360136.10871048	2840.58104	2646.11373593822	2589.88494910327	2617.1273593822	66.22423683249426	28.98637615792421	
679	13359	76538.8586730335	192517.3170250766	39.38070860147031	-10.528849	368327.3688723456	4360130.42228103	2832.3033717483306	2644.605276070316	2590.084259997158	2614.7245829982402	64.5661227862596	29.925799881015623	
680	13360	77198.8586730335	192517.3170250766	39.3806993549849	-10.5264712	368528.374925255	4360126.31940341	2831.363394031	2643.19027815382	2590.084259997158	2614.7245829982402	64.5661227862596	32.420710765602	
681	13361	77858.8586730335	192517.3170250766	39.38069505491536	-10.5241375	368729.36859254897	4360120.35349073	2831.374219543073	2641.734904256047	2591.851739134697	2617.22232469045	68.8286251279138	34.62223190896326	
682	13362	78518.8586730335	192517.3170250766	39.38069271	-10.5218037	368930.36453200163	4360128.31855432	2830.909607069876	2640.2808272371462	2593.2994107514496	2606.3180493146467	68.9614148569663	33.9527830069958	
683	13363	79178.8586730335	192517.3170250766	39.380687329191885	-10.51947	369131.362592661	4360124.38543095	2829.25265870525	2638.829307777586	2595.0864982170106	2608.221394720206	67.42308086071	30.60790765730306	
684	13364	79838.8586730335	192517.3170250766	39.3806818842171	-10.5171363	369332.360767437	4360120.45453255	2828.4030872179083	2637.38011343731	2596.989400226104	2607.5433173397117	68.390790826713	29.83439675465338	
685	13365	80498.8586730335	192517.3170250766	39.380676422571355	-10.5148025	369533.368972604	4360116.42259940	2826.4047087179083	2635.933657013546	2592.954769083011	2601.8781710524127	68.390790826713	34.0554859894917	
686	13366	81158.8586730335	192517.3170250766	39.38067091640083	-10.5124888	369734.3566106967	4360112.439840315	2826.7040044796213	2634.00462253412	2594.354731484833	2606.596462428752	64.1364910452899	37.9213798283698	
687	13367	81818.8586730335	192517.3170250766	39.380665498682	-10.5101744	369935.3549697485	4360108.45229691	2825.82491345698	2632.98892712453	2593.489415269138	2605.82491345698	64.1364910452899	37.9213798283698	
688	13368	82478.8586730335	192517.3170250766	39.38065972451624	-10.5078014	370136.3519139476	4360104.051704125	2825.82491345698	2631.625182451294	2592.582762910471	2607.4023156226601	64.2226682960431	42.226682960431	
689	13369	83138.8586730335	192517.3170250766	39.3806540836826	-10.5054676	370337.34940319124	4360096.40929774	2826.7916423301978	2630.207130377557	2585.890588826027	2584			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
1	34	135451	-351141.1413	913177.3170250766	39.37644440810122	-102.0410325	238048.463271092	4329694.89845939	3903.861330989527	3706.78789385953	3622.5277889727195	3620.8928700246843	34.23009057	85.8650093139109
32	134	135452	-350481.1413	913177.3170250766	39.3764683684441	-102.038691	238249.586723929	4329690.78251503	3925.904586263178	3705.565384942673	3619.6442766207957	3619.8724392500178	85.9233083187963	86.5376060692673
33	134	135453	-349821.1413	913177.3170250766	39.37649235737192	-102.036387	238450.7986163233	4329691.62520882	3924.743689167945	3704.414562438464	3617.616289372316	3619.2981613815837	87.2488468989228	88.1433568209272
34	134	135454	-349161.1413	913177.3170250766	39.37651613986114	-102.034023	238651.8328949406	4329692.55938128	3915.989534	3703.27586737025	3614.5385854725946	3607.819070972666	88.7400012610796	86.4065113634358
35	134	135455	-348501.1413	913177.3170250766	39.37653969	-102.031689	238852.955236578	4329694.46769174	3911.874694041016	3702.1553737521035	3612.363637139739	3606.024198987874	88.78890661236457	96.1313748272972
36	134	135456	-347841.1413	913177.3170250766	39.37657659218065	-102.029355	239054.0779390174	4329694.33452630	3908.6204010096	3701.034561142481307	3610.344744135073	3593.7516248481307	89.0697115700730	97.28293624613708
37	134	135457	-347181.1413	913177.3170250766	39.37658748423143	-102.0270321	239255.20009577807	4329690.22136702	3905.329866107483	3699.916208878558	3608.172855240604	3599.6771138109452	90.1738623379514	102.2390948671295
38	134	135458	-346521.1413	913177.3170250766	39.37661118417483	-102.0248687	239456.3219941457	4329690.11023171	3902.0527452185123	3698.802654	3607.0443967035645	3614.825208	91.7581689052333	83.9775216444971
39	134	135459	-345861.1413	913177.3170250766	39.37663426594862	-102.022365	239657.4436342017	4329691.998311431	3899.08376555184	3697.82059619088	3606.821689005036	3619.246404196901	90.8897632729519	78.4555234159768
40	134	135460	-345201.1413	913177.3170250766	39.37665842851044	-102.020018	239859.565161826	4329692.887	3895.85235912725	3696.5831856023	3606.930278	3596.730832497122	98.65320479112	98.8523526027479
41	134	135461	-344541.1413	913177.3170250766	39.37668196353837	-102.0178984	239859.68614053824	4329692.75	3893.80609178935	3695.47687292875	3607.369227	3588.284107491727	88.147543839498	107.1928213482524
42	134	135462	-343881.1413	913177.3170250766	39.37670548324861	-102.015365	240260.801	4329691.64068911	3891.161164214545	3694.372487300633	3608.06794610227	3586.73112379565	86.304541193636	107.566123710686
43	134	135463	-343221.1413	913177.3170250766	39.37672992373262	-102.0130316	240461.92761726776	4329691.505320276	3889.0692766032953	3693.2704637906118	3608.840215846647	3587.714331679865	84.4302243934705	95.641231108853
44	134	135464	-342561.1413	913177.3170250766	39.3767523	-102.0106982	240663.04796959122	4329691.42279405	3887.531238348694	3692.170600848173	3609.313788928084	3588.579157513787	82.6569716	103.5916025704842
45	134	135465	-341901.1413	913177.3170250766	39.3767757518197	-102.008348	240864.1686649933	4329697.35187283	3885.992000664767	3691.04225056695	3608.6190584678	3590.08627773111	81.45616921299143	103.980127855378
46	134	135466	-341241.1413	913177.3170250766	39.376799091112985	-102.0060313	241065.287037852	4329903.21278908	3884.455161798074	3689.882109277703	3609.422162765406	3586.8802536101716	80.5599646229671	103.1018556733171
47	134	135467	-340581.1413	913177.3170250766	39.3768223550333	-102.003679	241266.047485563	4329909.11081271	3882.194504805487	3688.895709274603	3608.525217786974	3589.02918450707	80.3704914894295	99.8666847693341
48	134	135468	-339921.1413	913177.3170250766	39.37684560474355	-102.0013645	241467.5268113598	432989.001	3879.10618197377	3687.817802436378	3606.895543044887	3588.846308	80.972218138962	98.914610777334
49	134	135469	-339261.1413	913177.3170250766	39.37686879812945	-101.9990311	241668.6458810045	4329890.89129187	3876.05281889696	3686.74905224739	3604.751302883842	3587.425301776361	81.9965473355646	99.3243485
50	134	135470	-338601.1413	913177.3170250766	39.376891948011775	-101.996678	241869.7646946872	4329890.781698279	3872.999577762354	3685.628263427755	3604.196058796804	3585.820363130127	83.73224446177164	102.1725611676284
51	134	135471	-337941.1413	913177.3170250766	39.37691505	-101.9943642	242070.8832565096	4329892.672073978	3869.7273094925	3684.64858958063	3598.709052379607	3576.3463909053394	85.9425406379367	108.213298904669
52	134	135472	-337281.1413	913177.3170250766	39.37693811059732	-101.9920308	242272.015555466	4329876.55118933	3866.2352979978555	3683.617908072776	3595.136275852544	3572.35995	88.4613155145312	111.2589596051373
53	134	135473	-336621.1413	913177.3170250766	39.37696123591846	-101.989736	242472.118622347	4329871.454131586	3862.7434694124	3682.590621489491	3594.11162361694991	3571.110523292514	90.11162361694991	109.4638337
54	134	135474	-335961.1413	913177.3170250766	39.3769840369987	-101.987336	242674.2373026944	4329870.35479198	3859.251651164557	3681.061165164557	3587.948523356943	3591.861238513676	83.612328993135	87.4004127917604
55	134	135475	-335301.1413	913177.3170250766	39.3770071744489	-101.9850305	242875.3549314073	4329865.23679155	3855.7188515410983	3680.6164819439327	3584.5855016619943	3603.40058106055	86.0308012849425	77.2159251387525
56	134	135476	-334641.1413	913177.3170250766	39.377029861901	-101.982697	243076.4721335257	4329862.12873599	3852.144859072404	3679.64582	3581.806032476637	3612.6356869471	87.8394780197306	97.6102250919242
57	134	135477	-333981.1413	913177.3170250766	39.37705272972224	-101.980336	243277.5802411071	4329858.020199031	3848.570295942603	3678.688226463834	3579.251786686487	3615.97305495467	62.7135234232446	
58	134	135478	-333321.1413	913177.3170250766	39.3770751825444	-101.9780302	243478.7605158985	4329853.912220609	3844.9964481619965	3677.74393545319	3676.93072	3612.299595247805	100.81395995467895	65.444373362689
59	134	135479	-332661.1413	913177.3170250766	39.3770982165656	-101.9756667	243679.822559828	4329848.804427685	3841.2643147437318	3676.809771637	3674.700374	3588.16413386876	102.061023496398	98.4638337
60	134	135480	-332001.1413	913177.3170250766	39.377120969105546	-101.973338	243880.3969710546	4329845.69687103	3837.730087273692	3675.984512487197	3673.8323925143	3602.96081472619	93.3392094096293	91.645110613305
61	134	135481	-331341.1413	913177.3170250766	39.3771438134292	-101.9710298	244082.05841289557	4329841.584930875	3833.48170181921	3674.96518589761	3670.43191964031	3591.838564380187	104.53323921944275	83.12650042374027
62	134	135482	-330681.1413	913177.3170250766	39.37716622167286	-101.9688964	244283.1706	4329837.84821	3829.450661292304	3668.354138410022	3594.00557700601	3585.1941252822785	80.4004842830923	88.0254311874474
63	134	135483	-330021.1413	913177.3170250766	39.37718874849565	-101.966329	244484.2860786897	4329833.73549957	3826.663896825543	3673.123796	3586.29777490784	3590.031258185653	80.8277018265522	83.09254311874474
64	134	135484	-329361.1413	913177.3170250766	39.3772113029505	-101.9640295	244685.4013291787	4329829.26880826	3824.709621845354	3672.19845038254	3584.315470316358	3584.7153587106	88.8297417189561	87.4038063211582
65	134	135485	-328701.1413	913177.3170250766	39.3772337598928	-101.9616786	244885.5162846863	4329825.126013314	3822.752874990167	3671.267534049635	3581.994744488504	3584.34287222041	89.2977985145535	86.9212587256218
66	134	135486	-328041.1413	913177.3170250766	39.37725623981846	-101.959338	245087.631075483	4329821.05547407	3820.73286712487	3669.7780540241764	3580.7780540241764	3581.994744488504	104.53323921944275	92.461102225148
67	134	135487	-327381.1413	913177.3170250766	39.37727859	-101.9570291	245288.755688795	4329816.84949308	3818.62545723708	3669.378976808368	3579.9245158416163	3584.2057167890283	111.4548240270237	105.1732118196123
68	134	135488	-326721.1413	913177.3170250766	39.377300946563835	-101.9546957	245489.8598120584	4329812.84350287	3816.180826723937	3668.415559	3555.689440093287	3584.253263742	112.72607485157141	103.9297053041812
69	134	135489	-326061.1413	913177.3170250766	39.37732321741252	-101.9523622	245690.9783022983	4329808.73759261	3813.765267298836	3667.434790363085	3553.38710092297	3562.30882780740245	114.0760811401138	105.981216588404
70	134	135490	-325401.1413	913177.3170250766	39.3773456508971	-101.950028	245892.0874505917	4329804.63199715	3811.331672329734	3666.432257102631	3550.999439953158	3572.096851181465	115.43281715127296	94.33540921166021
71	134	135491	-324741.1413	913177.3170250766	39.3773681769539	-101.9478953	246093.010273198	4329800.526847145	3808.60139294078	3665.40456819194	3548.635919197841	3571.9657618471	116.76873712227782	83.828981053363
72	134	135492	-324081.1413	913177.3170250766	39.37739062529476	-101.9456319	246294.314262603	4329796.42	3805.5552940979	3664.3483429741	3547.71912583339	3571.9657618471	116.76873712227782	92.828479966433
73	134	135493	-323421.1413	913177.3170250766	39.37741307891846	-101.943434	246495.3162919186	4329792.3162919186	3802.673162919186	3663.28162919186	3546.59162919186	3571.9657618471	116.76873712227782	92.828479966433
74	134	135494	-322761.1413	913177.3170250766	39.37743500250935	-101.9410469	246696.504907471	4329788.21197519	3800.453109203405	3662.3384130741	3547.22639157557	3558.41169195474	113.940393041432	103.82186212693
75	134	135495	-322101.1413	913177.3170250766	39.377456602741284	-101.9383615	246897.5625262974	4329784.10743214	3795.37159939545	3660.953589548923				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.kg.f	BR ElevBoths.kg.f	SatHdgLogs.kg.f	SatHdgBoths.kg.f
149	184	13557	-267981.1413	913177.3170250766	39.37910847476048	-101.7470129	263388.0423856970	346248.219367751	3699.823934951181	3688.280284925247	3404.2910627280153	3410.1118673441924	38989222.67423946	78.16848185
150	184	13576	-267321.1413	913177.3170250766	39.37912675593053	-101.7446794	263391.34176957374	346244.131519474	3697.6189455108974	3686.1495550433733	3401.0097699075296	3403.0295748723085	83.12369736243534	78.16848185
151	184	13579	-266661.1413	913177.3170250766	39.379144989145314	-101.7423456	263390.22681953446	346241.3010028131	3684.3010028131	3684.3056317660915	3397.28348271714	3397.811678474536	86.85716949816765	86.85716949816765
160	184	13580	-266001.1413	913177.3170250766	39.37918318323432	-101.7400122	263391.3189	346235.95642441	3689.906129	3681.9931016490523	3393.57467766905	3397.491717319015	86.46046686	89.57363433006769
161	184	13581	-265341.1413	913177.3170250766	39.37918139239329	-101.7376787	264192.0160263487	346243.86917920	3685.49946976229	3679.992235460418	3389.027482301049	3384.7500902840384	90.9647115936687	95.24261317637966
162	184	13582	-264681.1413	913177.3170250766	39.37912994301624	-101.7353451	264393.5020714121	346237.782134009	3681.09236245738	3478.07013824540734	3383.852366645495	3473.946285047634	90.9647115936687	105.633124937864
163	184	13583	-264021.1413	913177.3170250766	39.37921748602411	-101.7330115	264594.59328978136	346243.695291537	3677.072123189124	3476.25093858631	3377.97335885864	3359.589892973806	94.758270044867	119.6610428893027
164	184	13584	-263361.1413	913177.3170250766	39.3792354660338	-101.7306779	264795.8642566177	346234.3014335072	3674.30214335072	3474.54808766601	3370.747585225805	3347.9624307341703	103.58960171439202	126.36583653243643
165	184	13585	-262701.1413	913177.3170250766	39.37925346250853	-101.7283445	264896.7702525874	346245.522027058	3669.57940731951	3472.9472545201147	3363.37729486737	3350.1220526538	108.16966032937655	128.652529237655
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201	184	13621	-238941.1413	913177.3170250766	39.37987027554475	-101.6								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLog.kg.ft	BR ElevBoth.kg.ft	SatHBoth.ft		
23	134	13703	-184821.1413	19137.17	31.172050766	31.1805689342772	-101.4529748	288723.9110013527	4361934.731	3479.7792258467484	313.18277111799907	3226.4277768	3225.3964973793983	86.754494268375087	87.73703321
284	134	13704	-184161.1413	19137.17	31.172050766	31.18016954	-101.4504417	288924.9758053457	4361930.68	3471.6010908536967	311.603507293501	3214.1549501109184	3223.9043530191945	87.4485571828259	87.6989733830657
285	134	13705	-183501.1413	19137.17	31.172050766	31.1815564639786	-101.4483474	289126.0398617265	4361930.68	3472.2425960266178	310.613571103719	3217.78304645896	3222.8153306381707	87.7228369485447	87.13599249485447
286	134	13706	-182841.1413	19137.17	31.172050766	31.18301046304193	-101.4504417	289044.1041156732	4361932.5436371	3468.4742751675117	3308.5294878467525	3213.989854813173	3222.1200593543376	88.0499405843372	86.40942848731493
287	134	13707	-182181.1413	19137.17	31.172050766	31.181070699483	-101.44364	289528.16807240405	4361918.48149889	3465.00811935095914	3401.043461717326	3216.993498581664	3221.6441789821374	87.0507290068871	85.3971718695917
288	134	13708	-181521.1413	19137.17	31.172050766	31.181119491184215	-101.4413063	289729.2319220714	4361914.419661378	3441.844125	3305.5907453979094	3214.5567405225374	3212.946157676557	91.0340045753192	83.6445996302565
289	134	13709	-180861.1413	19137.17	31.172050766	31.1811387633418	-101.4389726	289930.2596449852	4361910.35807487	3458.6801309015686	3304.183598039056	3212.233955145296	3212.9320721986	91.94724289	80.824744968097
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291	134	13711	-179541.1413	19137.17	31.172050766	31.1815564639786	-101.4343474	290332.924194947	4361906.266888329	3455.6151343907	3302.827622396807	3209.877781614713	3216.587915563435	92.9428125948948	76.2397313801724
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294	134	13714	-177561.1413	19137.17	31.172050766	31.1819307190234	-101.4273041	290935.6100846375	4361890.053	3444.6916915434	3297.01019	3204.87263223222	3214.753396301	95.0760391529672	80.579339129672
295	134	13715	-176901.1413	19137.17	31.172050766	31.182051757946	-101.4249704	291136.6729102244	4361885.992754661	3441.3980242763364	3297.01019	3200.5260454852614	3204.61405557179	96.42804424958077	92.3960332278835
296	134	13716	-176241.1413	19137.17	31.172050766	31.1821723817772	-101.4226367	29137.7344920405	4361881.93	3447.455408059184	3296.018138175634	3199.40451501706	3202.74461726614	97.3217211561325	93.271711561325
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311	134	13731	-166341.1413	19137.17	31.172050766	31.18393127376638	-101.387671	294354.612591715	4361818.35371153	3389.268911025837	3281.940132682508	3174.05132682508	3173.6393219470719	108.2423219470719	108.2423219470719
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313	134	13733	-165021.1413	19137.17	31.172050766	31.18415137256054	-101.3829368	294755.758969378	4361812.31997278	3385.65691399789	3280.311553154536	3168.84181704356	3168.84181704356	111.66933824109765	111.9585393338978
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316	134	13736	-163041.1413	19137.17	31.172050766	31.1844898354136	-101.3759624	295358.9330174277	4361800.7803628	3384.047547209757	3277.35066016054	3159.2704937105738	3158.910106	118.20257901732	118.4429806110654
317	134	13737	-162381.1413	19137.17	31.172050766	31.1846008747776	-101.3736823	295559.9193359468	4361796.7418344	3382.063795202936	3276.372965880474	3158.04841296799	3158.04841296799	120.4888590914761	120.7991781373144
318	134	13738	-161721.1413	19137.17	31.172050766	31.1847116833479	-101.371265	295761.0491716312	4361792.67406231	3379.95143464514	3275.30413464514	3157.18196132472	3157.18196132472	122.1082126619968	122.1082126619968
319	134	13739	-161061.1413	19137.17	31.172050766	31.1848219911225	-101.368813	295962.1066005447	4361788.60343247	3380.636232226	3274.257149076534	3155.8208020490434	3151.50473796795	122.7524155765859	122.7524155765859
320	134	13740	-160401.1413	19137.17	31.172050766	31.18493168110685	-101.3666276	296163.1639630303	4361784.54804142	3372.081649017783	3273.192166335764	3155.680527418343	3154.9349247	123.1163935334	118.2527931207624
321	134	13741	-159741.1413	19137.17	31.172050766	31.18505041024964	-101.3642398	296364.2780733827	4361780.459280212	3369.076944413364	3272.1100938757316	3158.948641924445	3158.408377169137	113.1614520128669	113.7062168059451
322	134	13742	-159081.1413	19137.17	31.172050766	31.185169308464	-101.3619601	296565.2777069013	4361784.67358739	3366.072258098413	3271.0107514384345	3161.072675801167	3161.072675801167	115.07932138583174	115.07932138583174
323	134	13743	-158421.1413	19137.17	31.172050766	31.185283442868	-101.3596264	296766.33405974	4361772.383	3364.525898184035	3269.93930649121	3160.02610010414	3161.1879147304683	107.8678306370698	108.7090162784782
324	134	13744	-157761.1413	19137.17	31.172050766	31.1853965282006	-101.3572927	296967.39077467396	4361768.2474936	3364.440579307665	3268.75919203215	3161.71294917105	3160.7442280501967	107.0484200508196	108.0461382639605
325	134	13745	-157101.1413	19137.17	31.172050766	31.18550943319204	-101.3549383	297174.7406231	4361764.0309383	3362.47406231	3267.788173809797	3159.68442829636	3159.68442829636	108.7090162784782	108.7090162784782
326	134	13746	-156441.1413	19137.17	31.17										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SatHtElev.f	SatHtBoth.f
400	19	138289	-101661.1413	913177.3172050766	39.3822897258708	-101.589238	314066.840018444	39.38142441725448	3258.176756294707	33.134124391772	3044.667282169071	3044.504678966699	56.786222	56.8022441023624
410	19	138300	-101001.1413	913177.3172050766	39.38226649052626	-101.56569	314257.5200669197	39.38142037980817	3256.179438	3098.63789572324	3044.79134496017	3044.81623343749	53.846422786327	53.82161224948496
411	19	138311	-100341.1413	913177.3172050766	39.38230339	-101.542463	314468.589092337	39.38142182557121	3259.187422557121	3095.363032322566	3045.282035189024	3045.322251168017	50.62878018532046	50.63881307
412	19	138332	-99681.1413	913177.3172050766	39.382310356770645	-101.511295	314569.5699	39.381420351135	3248.555968440136	3083.266490979532	3045.783190564595	3045.81151335707	47.31530851403731	47.36904794596148
413	19	138343	-99021.1413	913177.3172050766	39.382317143003206	-101.495887	314860.6391	39.38140826662703	3245.140096426703	3087.6730995768708	3046.3778457449275	3046.652421451262	44.2952533194323	44.20067812560881
414	19	138354	-98361.1413	913177.3172050766	39.382323884143074	-101.472549	315061.67839170655	39.38142230122065	3241.7242200804968	3086.0630193191567	3045.571972598384	3045.9663002699713	42.51423339318434	42.020292318544
415	19	138358	-97701.1413	913177.3172050766	39.38233058022527	-101.449212	315262.7127050635	39.3814001616356	3237.647404016356	3085.538846317594	3041.053873113426	3041.48754000625149	44.21006331919056	
416	19	13836	-97041.1413	913177.3172050766	39.3823372121803	-101.425874	315463.756667101	39.38139615903639	3232.909854201717	3083.01365660713	3038.8658012883025	3036.031452321264	47.16556457	46.99987323496506
417	19	13837	-96381.1413	913177.3172050766	39.38234363712646	-101.402538	315684.79523407078	39.3813922252643	3228.172234450568	3080.564274398611	3030.961966611127	3027.72969532287	46.79127858	
418	19	13838	-95721.1413	913177.3172050766	39.3823503763836	-101.379719	315865.8339214882	39.38138807288308	3223.434615	3078.1737538887	3024.906694091917	3025.05346680292	53.2310214975974	53.0717685579585
419	19	13839	-95051.1413	913177.3172050766	39.382356913700114	-101.355861	316066.8723281511	39.38138405174728	3218.544698133705	3019.346848214027	3019.467491338206	3019.60079225674	56.2843840170376	
420	19	13840	-94401.1413	913177.3172050766	39.38236334343533	-101.332523	316267.910554089	39.38138012860973	3213.5034707904673	30173.40272176784	30173.3742427209894	30173.3924087224495	60.0327849579556	60.01280849433442
421	19	13841	-93741.1413	913177.3172050766	39.3823698094944	-101.309185	316486.94860196457	39.38137801082043	3205.46162827231	3017.0968346953646	3007.6096660303435	3007.4057707639413	63.6817688602105	63.6914233142329
422	19	13842	-93081.1413	913177.3172050766	39.38237619045245	-101.285847	316669.9846952346	39.3813749506642	3203.419595673995	3006.82610507201	3004.104739387361	3003.75384425522	64.7218711198402	64.50272068167432
423	19	13843	-92421.1413	913177.3172050766	39.3823825587433	-101.262509	316871.0241577884	39.381367311190801	3198.735772	3006.593631	3005.248355996729	3004.4333953027	65.72455894113	65.5492911998633
424	19	13844	-91761.1413	913177.3172050766	39.382388816215084	-101.239172	317072.061669099	39.381363374448877	3204.49007614145	3004.3967007314145	3007.42220867289	3007.345378414894	66.9744020412533	67.05132225902611
425	19	13845	-91101.1413	913177.3172050766	39.38239506147467	-101.212584	317273.0988972678	39.38135941986857	3198.023768196897	3002.23613804402	3009.666931075197	3009.6462440180407	62.56962073292243	62.58860822043104
426	19	13846	-90441.1413	913177.3172050766	39.382401261653136	-101.192496	317474.13614889054	39.38135507773239	3192.755683913294	3002.112897024163	3011.9744681108085	3011.998955862206	64.13792151032726	64.113910416195274
427	19	13847	-89781.1413	913177.3172050766	39.38240741675041	-101.169158	317675.1731	39.38135173695908	3192.2261720292325	3008.0248273889763	3014.398623564442	3014.5044043662723	63.62620247453424	63.52038747274901
428	19	13848	-89121.1413	913177.3172050766	39.38241352676651	-101.145482	317876.2091962867	39.38134774	3193.4938389139	3005.973530083876	3016.743156287726	3016.975484386752	62.3023467976501	62.3940487762254
429	19	13849	-88461.1413	913177.3172050766	39.3824199	-101.122483	318077.246537345	39.38134037612685	3194.761507986323	3003.9648336196	3018.830802749138	3018.924333146445	53.1276312255784	53.0640479705131
430	19	13850	-87801.1413	913177.3172050766	39.38242611555135	-101.099745	318278.289772546	39.381339673	3196.02173823867	3001.97595197443564	3018.356458345263	3018.1242480598143	62.3060059053007	62.35557132409975
431	19	13851	-87141.1413	913177.3172050766	39.38243251559744	-101.072411	318492.743674989	39.3813324288919	3192.43232422333	3001.928861818764	3019.820861818764	3019.820861818764	55.857135320323	55.857135320323
432	19	13852	-86481.1413	913177.3172050766	39.38243750160188	-101.052489	318680.3551723261	39.38133160523428	3197.8564035914613	3004.130404258902	3003.900739921114	3003.890727438616	54.720302669076	54.22323511
433	19	13853	-85821.1413	913177.3172050766	39.38244340062891	-101.029131	318881.3919196041	39.38132753480879	3198.6687935146133	3004.2604202565485	2994.105489113767	2994.5147936638114	52.543331918137	51.7452665927371
434	19	13854	-85161.1413	913177.3172050766	39.38244920415771	-101.005793	319082.4269541605	39.38132354078145	3199.471106672105	3004.4271817857	2985.617467399274	2985.9909609519456	58.81443504185836	58.428130818840135
435	19	13855	-84501.1413	913177.3172050766	39.382455034605215	-100.982456	319283.4625069386	39.38132049330473	3002.6258062984535	2978.430986410351	2978.9084910957054	2978.41984162425541	63.7173115604016	
436	19	13856	-83841.1413	913177.3172050766	39.38246078391474	-100.959118	319484.4978830091	39.381315476	3001.072264899343	3004.831623717633	2973.728273102947	2974.3613026120056	67.12508903841648	66.49205052575767
437	19	13857	-83181.1413	913177.3172050766	39.38246682927655	-100.936778	319684.53083682895	39.3813144836396	3000.8706716200016	3009.1076136758912	2967.6104155841587	2967.6104155841587	58.857135320323	58.857135320323
438	19	13858	-82521.1413	913177.3172050766	39.38247214746011	-100.912442	319858.568106	39.381310741207749	3002.67738011097	3007.387011712022	2981.951073101255	2981.951073101255	51.8864468975461	
439	19	13859	-81861.1413	913177.3172050766	39.38247751862514	-100.889104	320087.6029353657	39.38130338	3002.407153485875	3003.6920330460774	2966.423960340796	2967.688217552862	69.2680970530788	68.00381249321526
440	19	13860	-81201.1413	913177.3172050766	39.382483362356	-100.865766	320288.673265754	39.381309348919831	3001.076851962651	3004.032254076765	2956.733129	2956.733129	74.9624543820375	74.9624543820375
441	19	13861	-80541.1413	913177.3172050766	39.382488854583286	-100.842428	320489.6271216799	39.381305263508	3199.74658643626	3002.32184	2953.5596237820832	2953.539475175007	78.8129604895368	78.8420910567324
442	19	13862	-79881.1413	913177.3172050766	39.3824943346169	-100.818901	320690.7044642016	39.38130178697356	3198.7618249180625	3000.76781718865	2949.1690316586023	2949.018514043195	81.58979060026267	81.7493076766548
443	19	13863	-79221.1413	913177.3172050766	39.38249976725875	-100.795793	320891.7405879595	39.381297255674262	3198.6310653729404	2949.183835369584	2945.65671952757	2945.4963396197406	83.53173467364575	83.68751367364575
444	19	13864	-78561.1413	913177.3172050766	39.3825051559744	-100.772411	321092.743674989	39.3812924288919	3192.43232422333	3001.928861818764	2985.9909609519456	2985.9909609519456	58.81443504185836	58.428130818840135
445	19	13865	-77901.1413	913177.3172050766	39.38251049960754	-100.749077	321293.8058342658	39.3812915940422	3190.53811366917462	3002.6196881177977	2958.7831461280925	2958.7831461280925	63.8325228370512	63.9703785268585
446	19	13866	-77241.1413	913177.3172050766	39.38251579816715	-100.725739	321494.84197547246	39.3812916214758	3187.652901788789	3002.642825920072	2929.552458049766	2929.552458049766	59.0392302190213	59.05425493721073
447	19	13867	-76581.1413	913177.3172050766	39.3825205163331	-100.702401	321695.874223129	39.381275134	3186.86573887866	3002.3216772040508	2919.8178348979165	2919.8178348979165	63.32899435693475	
448	19	13868	-75921.1413	913177.3172050766	39.38252630023504	-100.679093	321896.908694993	39.3812612439904	3194.188124045617	3001.833849	2910.075792064616	2910.0694350213626	71.175805722790392	71.175805722790392
449	19	13869	-75261.1413	913177.3172050766	39.3825314332246	-100.655729	322097.9417937188	39.38126307459194	3194.66836242517	3002.4978789742748	2899.6337259218085	2899.6337259218085	72.0638620923782	72.0339957407134
450	19	13870	-74601.1413	913177.3172050766	39.38253645159995	-100.633238	322298.9477186935	39.38125940567189	3198.82538439382	3019.204917782796	2888.0202625324	2887.4230026039814	71.184808951224	71.1847175224368
451	19	13871	-73941.1413	913177.3172050766	39.38254199629754	-100.610878	322500.074781875	39.38125458261748	3198.82538439382	3019.204917782796	2888.0202625324	2887.4230026039814	71.184808951224	71.1847175224368
452	19	13872	-73281.1413	913177.3172050766	39.3825464273013	-100.585712	322701.040402514	39.38125096669254	3194.88805526174	3016.7227146727	2958.640061265374	2957.0850079635107	57.087162019688	57.17814184838242
453	19	13873	-72621.1413	913177.3172050766	39.3825516257307	-100.562374	322902.0723317276	39.3812465273306	3192.491702452474	3015.531671274869	2887.100873519737	2889.733389520825	64.3709775513206	6

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
534	13	13955	-1801.14313	91317.17	730250766	-38.3820681746649	-00.8648658	3938.1602387079	4360917.263612031	405.70974370857	61.6935696302603	2806.975437544317	79.160258728526	109.798971642462
536	13	13956	-17841.14133	91317.17	730250766	-38.3820680596459	-00.862532	339587.179	4360913.15177353	304.557848405207	519.282104148539	2805.1544630696043	2805.091127120329257	110.19088711601357
537	13	13957	-17181.14133	91317.17	730250766	-38.3820681478074	-00.8601982	338.786.1975832467	4360909.238046533	304.406863417725	593.848687177562	2802.686216727233	2802.63856814321	111.1538911483284
538	13	13958	-16521.14133	91317.17	730250766	-38.38201404581499	-00.8578643	339899.216	4360905.226091919	294.250438586159	2912.3927512524	2799.7503979112507	2799.718760724272	112.6034984397963
539	13	13959	-15861.14133	91317.17	730250766	-38.38281151176727	-00.8555305	3401.90.2343050202	4360901.215061141	304.15828155104737	291.07017892958546	2796.7138887150572	2796.5986778854867	114.1996058079732
540	13	13960	-15201.14133	91317.17	730250766	-38.382152763759	-00.8531397	340391.2524338799	4360897.2043418134	304.39222451961376	2909.402140263074	2793.989691342124	2793.83140279266	115.57085947307149
541	13	13961	-14541.14133	91317.17	730250766	-38.3828135842599	-00.8508629	340592.7045066574	4360893.191973433	304.2106335292046	2906.800368486893	2792.4175243419056	2792.459337727422	115.5845832396374
542	13	13962	-13811.14133	91317.17	730250766	-38.38281456	-00.8488291	340793.288223580167	4360889.181	304.011041635292046	2906.2819641642707	2791.9340626876667	2791.8991250371156	114.3479015
543	13	13963	-13221.14133	91317.17	730250766	-38.3828154875987	-00.8461953	340894.3508628016	4360885.198977453	308.8263889187975	2904.663096788757	2791.7837816883645	2791.7837816883645	112.89634637659224
544	13	13964	-12561.14133	91317.17	730250766	-38.3828163529938	-00.8438915	341195.3235951824	4360881.15826342	303.060177358922	2902.991372408865	2791.4566458692757	2791.506351879059	111.534733716102
545	13	13965	-11901.14133	91317.17	730250766	-38.3828172007603	-00.8415277	341396.3408050702	4360877.148117145	303.156460920886	2901.26855563634	2790.8323979134277	2790.90348132495	110.3855574291854
546	13	13966	-11241.14133	91317.17	730250766	-38.382817991138886	-00.8391399	341597.35805505837	4360873.17715938	304.252746477116	2899.48744305176	2790.08944121028	2790.0563963231362	109.38935018411804
547	13	13967	-10581.14133	91317.17	730250766	-38.38281873643549	-00.8368601	341798.375097196	4360869.127458422	303.7869994247183	2897.6450558794068	2789.368895311585	2789.266182025368	108.396795082430872
548	13	13968	-9921.141327	91317.17	730250766	-38.3828194365013	-00.8345263	341999.391990194	4360865.118	303.715921468873	2895.740513957327	2789.039177785437	2788.81209447106	106.70134361029568
549	13	13969	-9261.141327	91317.17	730250766	-38.382820091752804	-00.8321925	342200.4087297582	4360861.108	303.0714351495039	2893.79219479019	2788.1337428331128	2788.7610582329892	104.6645711190653
550	13	13970	-8601.141327	91317.17	730250766	-38.3820271033316	-00.8296587	342401.4253160909	4360857.09737434	3029.7036531028	2891.765187921094	2788.124074118315	2788.7252041597348	102.64111341074795
551	13	13971	-7941.141327	91317.17	730250766	-38.38281256680226	-00.8275429	342602.441774940034	4360853.08407497	3029.47643983596	2889.790395343878	2788.761947189613	2788.4823523129684	100.94195653426513
552	13	13972	-7281.141327	91317.17	730250766	-38.38281276680226	-00.825191	342803.4580299043	4360849.09139405	3029.2744765639265	2887.6017467097313	2788.2163170250037	2787.925517214364	99.38542996075737
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582	13	14002	12518.8586											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogsKrg.f	BRiElevBothKrg.f	SatHBoth.f	SatHBoth.f
661	184	136081	64658.8586730335	913177.3172025076	39.32620818823426	-105.7070864	364713.3622	4360413.253	278.1588891941587	2671.8753961040684	2610.320179340055	2641.7896218260333	61.55521676001336	30.085774283435057
662	184	136082	65318.8586730335	913177.3172025076	39.32620374911742	-105.6848126	364914.3628766049	4360401.253	2878.780951795337	2670.29218852373	2610.352109582564	2635.931871530066	59.8210971094119224	34.0048728230713
663	184	136083	66983.8586730335	913177.3172025076	39.325967141301655	-105.5521361	365115.3634962496	4360405.278113936	2880.0016189111933	2668.1389662496	2610.352109582564	2629.7164497723632	58.45325524108323	38.8574857151727
664	184	136084	66638.8586730335	913177.3172025076	39.325954735639006	-105.5630051	365139.3647353004	4360409.2019003027	2878.8208917415513	2666.9412065140313	2609.093151211265	2616.2615625550696	57.8478913026149	40.67964396123489
665	184	136085	67298.8586730335	913177.3172025076	39.32595016127764	-105.5614713	365517.3643	4360397.304041989	2877.6461641719003	2665.3205812968345	2606.9992520357623	2624.7966788820334	58.32132926107215	40.52390241479097
666	184	136086	67958.8586730335	913177.3172025076	39.3258554183465	-105.5591375	365718.364486867	4360393.371271621	2876.845346602251	2663.7152423939	2604.012471380241	2624.7966788820334	58.32132926107215	40.52390241479097
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668	184	136088	69278.8586730335	913177.3172025076	39.32576167770409	-105.5544699	366210.3648487897	4360385.344321402	2872.86202630575	2660.53413080949	2601.63621918251	2620.520906423947	58.8987906296828	40.00521454795171
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673	184	136093	72578.8586730335	913177.3172025076	39.3255619434914	-105.5428009	367125.3628772975	4360365.415388135	2859.08512536542	2652.851396278837	2595.05699238625	2624.659477104693	57.48532769918607	34.00521454795171
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703	184	136123	92378.8586730335	913177.3172025076	39.32510649172802	-105.472816	373155.289814527	4360245.96923763	2813.06283048505	2615.004215555184	2571.53300115029	2568.104215555184	56.804766737041	36.325269291007
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKrg.ft	BRIElevBthKrg.ft	SatHtLoKrg.ft	SatHtBth.ft
47	185	136207	-340581.1413	9138337.3170250766	39.7865300630759	-102.0037279	241270.5262320386	383100.415160318	3879.0978202073707	3688.239898116161	3611.937935474824	3592.476754524475	36.70136264133671	95.76194399
48	185	136208	-339921.1413	913837.3170250766	39.78652646141356	-102.0013944	2411741.653480807	403506.30491518	3876.42204455996	3687.17517496508	3610.9607335364175	3591.9893638282623	36.714414268048	95.18918428
49	185	136209	-339261.1413	913837.3170250766	39.7864144090333	-102.0016909	241272.764205466	403502.19486869	3873.747128746618	3686.119494516187	3609.232586711608	3592.32586711608	36.78875486	97.287133885792
50	185	136210	-338601.1413	913837.3170250766	39.78705490593635	-101.9967274	241873.88208817206	403508.005265669	3871.072053434763	3685.07289457945	3605.060381360677	3594.989307527361	36.79763132185751	100.7738430508401
51	185	136211	-337941.1413	913837.3170250766	39.78727695210385	-101.994339	242075.0011551783	403508.9375	3868.275012233001	3684.06293437209	3601.512414227552	3579.6419340418165	36.82538972096573	104.3943935939271
52	185	136212	-337281.1413	913837.3170250766	39.78736750475867	-101.9920064	242272.119268602	40379.97866	3865.33065333883	3683.010492872211	3597.631201707959	357.7459442	36.83794226962404	105.4610508865012
53	185	136213	-336621.1413	913837.3170250766	39.7873776923331	-101.9897269	242477.237082876	40363.75708179	3862.4307630437657	3681.99658855029	3593.5891088404663	3581.089429197085	36.84079147456267	108.0078203332053
54	185	136214	-335961.1413	913837.3170250766	39.7879673863606	-101.9873834	242873.5467350474	40370.4168	3859.51799453647	3680.96512712914	3589.6296966468	3590.321426910542	36.8546401	90.4736967704713
55	185	136215	-335301.1413	913837.3170250766	39.788196966784	-101.985856	242879.4716911817	40369.7338839724	3858.38690548065	3680.005363802519	3586.011883330548	3590.13484725408	36.86934914891133	93.438898698864
56	185	136216	-334641.1413	913837.3170250766	39.7884254222546	-101.9827265	243080.589017037	403503.43207667	3853.07251847695	3679.029471	3582.925120304957	3608.1052799058536	36.91035045	70.9201903271656
57	185	136217	-333881.1413	913837.3170250766	39.7886537641209	-101.980393	243281.7058747454	403509.321779035	3849.7485364020495	3678.061870329645	3580.00942586021	3621.1589107952473	36.902245424	65.9202601398372
58	185	136218	-333231.1413	913837.3170250766	39.7888816552656	-101.978059	243482.82244150975	403505.123549997	3846.42524105943	3677.1050101771643	3577.3468443841543	3606.325683125427	36.978516579	67.772318642617
59	185	136219	-332661.1413	913837.3170250766	39.7891090595687	-101.975726	243683.9387520687	403501.105523491	3842.45571269239	3676.1565464633795	3574.864475263037	3609.3190494740333	36.912920711997752	69.8364184934622
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61	185	136221	-331341.1413	913837.3170250766	39.789562433885	-101.971059	244086.17060621502	403504.96907367	3834.712301131639	3674.279747138702	3570.2853940977966	3599.68406896936	36.99235107007265	74.5939926887668
62	185	136222	-330681.1413	913837.3170250766	39.78978871262404	-101.968725	244287.2861539377	403530.78256822	3798.189573634442	3673.338311806306	3568.141511658181	3594.248200084475	36.10741322754453	79.090713
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64	185	136224	-329361.1413	913837.3170250766	39.790235360646	-101.964058	244689.514889405	403530.56842107	3825.384417363096	3671.4502848646638	3563.763565801263	3583.50968417603	36.168761915853747	87.740028149326
65	185	136225	-328701.1413	913837.3170250766	39.7904642730487	-101.9617249	244890.631278484	403530.461606118	3823.184867144018	3670.496563978056	3561.619366592218	3578.788143	36.179801612366	91.70842133077667
66	185	136226	-328041.1413	913837.3170250766	39.7906875584079	-101.9593914	245091.7458141894	403530.2625582079	3820.9825175322667	3669.5334049761185	3559.7177312283106	3572.35205550845	36.18857097480789	96.9623542527357
67	185	136227	-327381.1413	913837.3170250766	39.79109723902416	-101.9570759	245292.8609979624	403318.2149	3818.670570780487	3668.5580042427	3557.7431978807156	3566.411578162234	36.181050652871132	102.146746021723
68	185	136228	-326721.1413	913837.3170250766	39.7911573695094	-101.954724	245493.9147292548	403310.142371641	3816.23142605703	3667.568080174368	3557.217031709523	3564.031680696828	36.19158466484848	103.5363904774932
69	185	136229	-326061.1413	913837.3170250766	39.791252365701	-101.952455	245694.540100767	403301.938539724	3792.442087515019	3667.47458551534	3556.522046989881	3561.078613130063	36.1947641171729	104.8610656193722
70	185	136230	-325401.1413	913837.3170250766	39.7915811925589	-101.9500574	245896.2014311604	403300.931	3811.377275544304	3665.52883850374	3552.663795392545	3562.96177903442	36.1864720020872	102.5667503159538
71	185	136231	-324741.1413	913837.3170250766	39.7918022431964	-101.9477239	246097.3147120226	403301.824953029	3808.04045533889	3664.473325	3551.764785	3554.691893541438	36.172259959342998	108.7418124219368
72	185	136232	-324081.1413	913837.3170250766	39.7920248053129	-101.9453904	246298.4277635235	403297.91560597	3806.824658730394	3663.38987615014	3549.978561228258	3564.1577370354	36.193263332429	99.8225511309679
73	185	136233	-323421.1413	913837.3170250766	39.7922459355964	-101.9430568	246499.5405089518	403293.61439738	3804.598919820976	3662.7232972174604	3549.1159290183527	3562.46587026067	36.1573691891072	99.236715130938
74	185	136234	-322761.1413	913837.3170250766	39.7924661525265	-101.9407233	246700.631315845	403289.590348591	3802.3715251220034	3661.1183384997474	3548.645201284175	3560.8928730194728	36.152473121559885	102.254465400401
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76	185	136236	-321441.1413	913837.3170250766	39.7929036211592	-101.9360563	247102.7442469603	403281.299555585	3795.06171603405	3659.771989025176	3547.96701151363	3560.184571071082	36.1947641171729	104.8610656193722
77	185	136237	-320781.1413	913837.3170250766	39.7931259451884	-101.9337728	247303.9891953126	403287.9715561679	3790.727027236496	3657.370441063366	3548.56512933867	3558.74221678329	36.180835176194965	98.6228038312466
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79	185	136239	-319461.1413	913837.3170250766	39.7935632502483	-101.9290557	247706.2119862464	403296.98739018	3781.528869169746	3654.593236472447	3548.238433867314	3552.627762847534	36.153540260511576	101.96547362491265
80	185	136240	-318801.1413	913837.3170250766	39.79378122717275	-101.9267722	247907.3200700684	403296.838590249	3785.13327818104	3653.7448178825045	3547.746410105656	3546.4187882575042	36.1537375958331	106.64992497236421
81	185	136241	-318141.1413	913837.3170250766	39.7939987516553	-101.9243886	248108.43377620792	403296.780	3788.737676695846	3651.577602069569	3546.822338937253	3540.2598879894868	36.150407126944663	111.3158722712925
82	185	136242	-317481.1413	913837.3170250766	39.7942152353701	-101.9220551	248309.544200767	403296.57167801	3782.242087515019	3649.741458551534	3545.9273778541	3543.90771083890	36.150407126944663	111.3158722712925
83	185	136243	-316821.1413	913837.3170250766	39.794432485336	-101.9197216	248510.6545729456	403295.57343109	3783.38008445768	3648.2123805420128	3544.791786521384	3543.90771083890	36.150407126944663	111.3158722712925
84	185	136244	-316161.1413	913837.3170250766	39.794648620578	-101.917388	248711.7649595287	403294.470520935	3789.851721459457	3646.5991541832645	3543.2932468057957	3543.90771083890	36.150407126944663	111.3158722712925
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86	185	136246	-314841.1413	913837.3170250766	39.79507961286535	-101.912721	249113.9838982255	403294.265	3780.74995570517	3643.082214196541	3538.4836343194913	3543.90771083890	36.150407126944663	111.3158722712925
87	185	136247	-314181.1413	913837.3170250766	39.7952943249087	-101.9103874	249315.0931764724	403294.265	3780.74995570517	3643.082214196541	3538.4836343194913	3543.90771083890	36.150407126944663	111.3158722712925
88	185	136248	-313521.1413	913837.3170250766	39.7955088027118	-101.9080339	249516.2020611198	403293.6054067	3786.264593067316	3639.29548775193	3541.049646083967	3542.66358784956	36.150407126944663	111.3158722712925
89	185	136249	-312861.1413	913837.3170250766	39.79572351083735	-101.905689	249717.31083735	403293.6054067	3786.264593067316	3639.29548775193	3541.049646083967	3542.66358784956	36.150407126944663	111.3158722712925
90	185	136250	-312201.1413	913837.3170250766	39.79593618853235	-101.903368	249918.4196233988	403293.6054067	3786.264593067316	3639.29548775193	3541.049646083967	3542.66358784956	36.150407126944663	111.3158722712925
91	185	136251	-311541.1413	913837.3170250766	39.796146205738	-101.901033	250119.52781045382							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BREIEvBothKrg.	BREIEvBothKrg.	SatHtKms	SatHtBoth.ft
173	185	136333	-257421.1413	1913837	31.70250766	-01.709683	66609.58493245894	4326584.11191723	3648.1522512298507	3641.4820780379625	3309.1160262752164	3304.2671639044356	132.360497276412	157.21491213236292
174	185	136334	-256761.1413	1913837	31.70250766	-01.707347	66610.073495051	4326580.02701717	3646.15271906375	3640.1327900628546	3308.581200470178	3304.348489919594	151.5519901276762	155.4930065809818
175	185	136335	-256101.1413	1913837	31.70250766	-01.705631	66612.761626546	4326579.94292741	3645.1847136214975	3638.7956239836372	3312.7962629189645	3310.0721362196645	148.7234915841727	148.7234915841727
176	185	136336	-255441.1413	1913837	31.70250766	-01.703764	66612.78496283053	4326577.857394789	3647.469565436207	3645.2370055111516	3317.7427114374811	3319.095450110573	138.59842168906508	138.7402242563434
177	185	136337	-254781.1413	1913837	31.70250766	-01.703637	66613.780433226	4326577.373778455	3648.3633366819622	3646.1518221935585	3328.9039797354844	3327.991702189235	127.2748245807405	128.1601200043233
178	185	136338	-254121.1413	1913837	31.70250766	-01.698031	66613.205623601204	4326576.1024402858	3645.343072852404	3644.8411962296827	3335.9007305430478	3335.4066568640995	118.9404656866439	118.3805942466773
179	185	136339	-253461.1413	1913837	31.70250766	-01.695964	66613.112255849	4326575.605766977	3645.35490351217	3643.573730366795	3341.613897789422	3341.408697521303	111.9237132577373	112.1288751537642
180	185	136340	-252801.1413	1913837	31.70250766	-01.693328	66610.11993397089	4326575.021113035	3646.746310946123	3642.02499357387	3348.026912419017	3348.180881126069	106.0011245131822	106.0011245131822
181	185	136341	-252141.1413	1913837	31.70250766	-01.691629	66612.2961945758	4326551.43680074	3645.02165841032	3640.55168102777	3349.338973292683	3349.6151537	97.5930372208847	97.5930372208847
182	185	136342	-251481.1413	1913837	31.70250766	-01.688965	66614.2726025646	4326547.355409196	3646.287600335942	3643.1879192943146	3352.252131476057	3352.252131476057	87.7937171445037	87.7937171445037
183	185	136343	-250821.1413	1913837	31.70250766	-01.686318	66620.4582918108	4326543.272357086	3645.94503483538	3644.3955490918656	3353.689761331974	3354.48423762687	74.0578775989179	74.0578775989179
184	185	136344	-250161.1413	1913837	31.70250766	-01.684021	66621.54538729216	432639.189507309	3645.00760880677	3647.128070469729	3355.078510202646	3356.774242349292	62.0495601	61.3538281204345
185	185	136345	-249501.1413	1913837	31.70250766	-01.681495	66622.613322581	432635.106579646	3644.06579698117	3645.877616282853	3356.0291912360476	3356.723683177928	49.8389036677768	49.8389036677768
186	185	136346	-248841.1413	1913837	31.70250766	-01.679308	66623.717042616	432631.02409803	3643.123943239466	3644.614066484573	3356.838655686203	3357.510817497459	47.7763107393645	47.7763107393645
187	185	136347	-248181.1413	1913837	31.70250766	-01.677022	66624.80252551114	432630.78462162597	3640.786009134843	3643.9868625478	3357.7125348123	3358.295296432188	45.6545334	45.0713049338776
188	185	136348	-247521.1413	1913837	31.70250766	-01.674635	66625.8877842091	432622.8016116329	3637.051942092407	3642.12251546754	3358.65607981444	3359.19165463529	43.4660749	42.9308003171511
189	185	136349	-246861.1413	1913837	31.70250766	-01.672358	66626.798278145625	432618.727820984	3633.317979	3440.882130606218	3399.843216121513	3360.3502772794573	41.0839473870544	40.85768513
190	185	136350	-246201.1413	1913837	31.70250766	-01.670022	670028.0756	432615.469626652	3629.58584361792	3349.6459134331976	3361.15136902659	3361.53337353858	38.4544543	38.1257589933984
191	185	136351	-245541.1413	1913837	31.70250766	-01.667825	67029.1421940565	432615.461813047	3629.03434	3438.413928	3361.7245690522664	3361.994595469653	36.6895870008363	36.4193228721862
192	185	136352	-244881.1413	1913837	31.70250766	-01.665538	67040.2265	432606.53304438	3627.610298249122	3637.9610264089	3361.754512804576	3361.976791762807	35.7120340478045	35.7120340478045
193	185	136353	-244221.1413	1913837	31.70250766	-01.663022	670631.3107	432602.45298727	3636.9444149165	3635.962268934832	3362.3710309074753	3362.571424068918	33.9509099317528	33.9509099317528
194	185	136354	-243561.1413	1913837	31.70250766	-01.660619	67082.3945635513	432598.3945635513	3634.381390494714	3634.743276757834	3363.829703961636	3363.913986235152	33.7538251670508	33.7538251670508
195	185	136355	-242901.1413	1913837	31.70250766	-01.658212	67103.4745690536	432594.281373627	3632.61259239374	3632.61259239374	3364.71740345287	3364.71740345287	31.59262673824	31.59262673824
196	185	136356	-242241.1413	1913837	31.70250766	-01.655802	67124.2561768475	432590.21078989	3630.5540624405	3632.313638305955	3368.5416570750175	3369.000378	29.717923035789	29.717923035789
197	185	136357	-241581.1413	1913837	31.70250766	-01.653485	67143.6449	432586.13074989	3625.07795494189	3631.1164363024614	3368.314479185722	3368.780635700983	28.60195711673923	28.60195711673923
198	185	136358	-240921.1413	1913837	31.70250766	-01.6513568	67166.7278911399	432582.050703362	3616.8547268556	3629.922370406908	3365.0881640921793	3365.481759706334	26.4464194362719	26.4464194362719
199	185	136359	-240261.1413	1913837	31.70250766	-01.6490231	67187.8106593484	432579.770966874	3615.3790426538	3628.770989163828	3361.538052326585	3361.683071182374	24.66671374	24.66671374
200	185	136360	-239601.1413	1913837	31.70250766	-01.646689	67208.8932022749	432573.891312313	3614.796693999273	3628.58645849666	3357.5942507934383	3357.829342096879	22.96631579152836	22.96631579152836
201	185	136361	-238941.1413	1913837	31.70250766	-01.644358	67228.9782927197	432569.812	3613.218961418176	3626.39217143896	3358.313986235152	3358.313986235152	20.7378169748597	20.7378169748597
202	185	136362	-238281.1413	1913837	31.70250766	-01.642021	67244.17142424	432565.73250441	3612.5302015594	3624.2302015594	3357.1057049078	3357.1057049078	18.7774778692797	18.7774778692797
203	185	136363	-237621.1413	1913837	31.70250766	-01.639684	67262.13568354	432561.63524498	3609.58279514613	3624.074074158988	3341.895090909557	3342.10934054258	16.23456711601229	16.23456711601229
204	185	136364	-236961.1413	1913837	31.70250766	-01.637348	67283.2122819757	432557.53694284	3606.89072556018	3622.92507320268	3336.894704148935	3336.894704148935	14.60237671713302	14.60237671713302
205	185	136365	-236301.1413	1913837	31.70250766	-01.6350211	67304.302648833	432543.604960423	3604.25217132370	3621.774360818742	3332.84360390647	3333.405383924643	12.8619671180952	12.8619671180952
206	185	136366	-235641.1413	1913837	31.70250766	-01.632674	67324.383459189	432539.4417632703	3601.614713118420	3620.6278073032763	3329.658105699933	3329.658105699933	10.9697016032246	10.9697016032246
207	185	136367	-234981.1413	1913837	31.70250766	-01.630337	67344.4681920744	432534.39	3597.75491635796	3619.482109375002	3327.14709894396	3328.400752458194	9.32350140300596	9.32350140300596
208	185	136368	-234321.1413	1913837	31.70250766	-01.628002	67364.545690536	432531.451373627	3592.67350239374	3618.529639374	3326.33317448327	3326.33317448327	8.190431904919	8.190431904919
209	185	136369	-233661.1413	1913837	31.70250766	-01.625663	67384.620565677	432527.18354259	3591.57700711336	3617.188636165686	3324.160153312157	3324.160153312157	7.09248308985	7.09248308985
210	185	136370	-233001.1413	1913837	31.70250766	-01.623352	67404.7063992534	432523.105917668	3582.015167980247	3616.037638311543	3323.78694276839	3325.594060127615	6.239584403	6.239584403
211	185	136371	-232341.1413	1913837	31.70250766	-01.621019	67425.784680142	432519.02849037	3578.72983558047	3614.886617342509	3323.853857298193	3326.10020395915	5.193053161268964	5.193053161268964
212	185	136372	-231681.1413	1913837	31.70250766	-01.6186853	67445.18663381567	432514.95126473	3576.2507536117023	3613.7395870150126	3324.7969277585107	3326.958245821146	4.259652565018	4.259652565018
213	185	136373	-231021.1413	1913837	31.70250766	-01.6163516	67465.9493738466	432510.47239439	3574.1677162971	3612.504666262145	3323.29738	3328.307475660115	3.2930686870445	3.2930686870445
214	185	136374	-230361.1413	1913837	31.70250766	-01.6140179	67485.054	432506.794714455	3571.25259841731	3611.441778637893	3323.17014359694	3323.17014359694	2.3711434308985	2.3711434308985
215	185	136375	-229701.1413	1913837	31.70250766	-01.611685	67505.1047802676	432502.12947548903	3568.12947548903	3610.2918168122	3322.12947548903	3322.12947548903	1.43043183214	1.43043183214
216	185	136376	-229041.1413	1913837	31.70250766	-01.609305	67525.1358458493	432498.64463944	3567.21598527769	3609.1427734187456	3322.4030390741	3326.26647138216	0.79242340055	0.79242340055
217	185	136377	-228381.1413	1913837	31.70250766	-01.6070168	67545.262296781	432494.568145845	3562.3398960102	3607.989442264741	3320.91660740687	3326.1612383811	0.72782322407397	0.72782322407397
218	185	136378	-227721.1413	1913837	31.70250766	-01.6046831	67568.3048235287	432490.44217395	3560.440365774946	3606.831793627431	3319.589802841844	3326.16722027813	0.6475446071265	0.6475446071265
219	185	136379	-227061.1413	1913837	31.70250766	-01.6023494	67589.4912905616	432486.314028029	3558.15844726854	3605.670150768158	3318.39518223635	3323.87045675209	0.72782322407397	0.72782322407397
220	185	136380	-226401.1413	1913837	31.70250766	-01.600017	67609.492135833	432482.606825205	3556.48451708725	3604.50				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
29	136	136459	-174261.1413	9138337.3170250766	-93.383065930520844	-101.456509	291944.98534574325	43620701.000328121	3427.7062796954487	332.1515902280044	3197.283652	3198.9143436305886	94.8673810959548	93.24015549471577
300	136	136460	-173601.1413	9138337.3170250766	-93.383077784106918	-101.433171	29146.0454180076	436206.9645706913	3424.6525726989103	329.1420760649526	3196.9814797789815	3197.850171	94.26514297054428	93.3668975618584
301	136	136461	-172941.1413	9138337.3170250766	-93.38311969161282	-101.408634	292347.1072869379	436208.8812603274	3418.0031470165758	329.34618	3196.72697719271	3196.3985324944952	93.94781365494752	93.94781365494752
302	136	136462	-172281.1413	9138337.3170250766	-93.38310141003855	-101.408646	292548.1674937373	436205.8220071616	3414.6305160134113	328.94582595165	3194.4214613934206	3194.5846289580928	95.02442375744554	94.8612554
303	136	136463	-171621.1413	9138337.3170250766	-93.38311315538406	-101.4063158	292749.2284066145	436205.76380928	3412.5587225569043	328.8538083445333	3192.4320192589385	3192.3709721920324	91.1718909585496	96.12783621550996
304	136	136464	-170961.1413	9138337.3170250766	-93.383124855649046	-101.403821	292950.2886657724	436204.704294301	3412.727477161235	328.73806751423	3189.3349218106887	3189.366405002847	93.80314571	98.27162940505173
305	136	136465	-170301.1413	9138337.3170250766	-93.38313851083448	-101.401643	293151.3487184162	436204.5857075724	3412.896231765566	328.671744652107	3186.5817784969684	3186.6817584969684	90.1399959952432	99.91215512
306	136	136466	-169641.1413	9138337.3170250766	-93.38314812093931	-101.3993145	293352.4806775356	436204.4670731194	3414.0496835690358	328.6105204410535	3184.640263491798	3184.06373041367	91.1702564925542	101.7417339941636
307	136	136467	-168981.1413	9138337.3170250766	-93.3831586959368	-101.3969808	293553.49025193853	436204.3259128704	3418.925569669017	328.8488477165758	3182.151898780056	3181.778118	102.7326991570208	93.94781365494752
308	136	136468	-168321.1413	9138337.3170250766	-93.38317120593035	-101.394647	293754.5276512349	436203.4417140239	3406.4702823811758	328.9604738776	3180.27145005557	3179.67570103907	103.68823322231	104.2592982889911
309	136	136469	-167661.1413	9138337.3170250766	-93.38318268	-101.3923132	293955.5868979134	436203.1431351795	3402.002858414758	328.83025735879551	3177.9137846953617	3177.9137846953617	105.1197091423244	105.79508353416031
310	136	136470	-167001.1413	9138337.3170250766	-93.38319411055543	-101.3899794	294156.6543913235	436202.36573637	3397.580613929636	328.2034690991418	3175.394662958178	3174.9410844375698	106.6889611440363	107.14256463157991
311	136	136471	-166341.1413	9138337.3170250766	-93.38320549525859	-101.387457	294357.704720108	436202.29837487	3394.9853354057786	328.113382926535	3172.757816528725	3172.757816528725	108.8052604092847	108.8052604092847
312	136	136472	-165681.1413	9138337.3170250766	-93.3832168348133	-101.3853119	294558.7640581285	436201.812186522	3394.2429925701963	328.106727009306	3169.958494789558	3169.958494789558	110.2717773094805	110.38344079906019
313	136	136473	-165021.1413	9138337.3170250766	-93.38322812942366	-101.3829781	294759.8218774706	436201.18419808	3393.500649784384	327.9100642051396	3167.444937167476	3167.133055200848	111.7651273766366	112.0740909596939
314	136	136474	-164361.1413	9138337.3170250766	-93.3832393788556	-101.3806443	294960.8006801566	436201.0127	3392.753089989164	327.8123411234006	3164.663621789953	3164.1792985339926	113.5709095700535	114.0550140060046
315	136	136475	-163701.1413	9138337.3170250766	-93.38325038366685	-101.3783106	295161.9380862873	436200.670821164	3391.203412	327.72440687508465	3161.6310314827707	3161.01025995588	115.7531725813878	116.2359827552875
316	136	136476	-163041.1413	9138337.3170250766	-93.38326174256796	-101.3759768	295362.99592438154	436200.01432658	3388.8359655420686	327.640079075953	3158.463703413375	3157.7996701384673	117.8603037277214	118.444364
317	136	136477	-162381.1413	9138337.3170250766	-93.3832728667388	-101.373643	295564.05350088727	4361997598	3386.4865189159773	327.522603203436	3155.2048148363054	3154.4870345883932	120.0212174332907	120.77949749124213
318	136	136478	-161721.1413	9138337.3170250766	-93.3832839525828	-101.3713092	295765.1106765125	436199203255512	3384.101722898864	327.4192193341631	3152.276470333953	3151.5452910979852	121.9157230076703	122.649602142458
319	136	136479	-161061.1413	9138337.3170250766	-93.38329449967686	-101.3689754	295966.1682015758	4361989464668635	3381.25484380999	327.3142186749991	3151.668341871531	3150.835263	122.3069233782321	122.3069233782321
320	136	136480	-160401.1413	9138337.3170250766	-93.38330528956448	-101.3666417	296167.2252617015	4361985.79087148	3377.929831304524	327.075844072194	3151.013692449496	3151.294358	126.0231478471472	126.7816259397105
321	136	136481	-159741.1413	9138337.3170250766	-93.3833168695938	-101.364307	296368.2620554386	4361982.335829361	3374.182913362408	326.9455454545	3149.6831160319107	3149.6831160319107	128.3096347811386	128.3096347811386
322	136	136482	-159081.1413	9138337.3170250766	-93.3833275186229	-101.3619741	296569.336674808	4361977.680311454	3371.2789074143323	326.8916934955325	3155.24867332787	3157.11065297157	111.64301176134545	110.75104079875676
323	136	136483	-158421.1413	9138337.3170250766	-93.38333895419275	-101.3596403	296770.3950940878	4361973.625311492	3368.550494062326	326.793110597668	3159.10073048726	3157.823653271815	109.6738380110407	110.9280253795183
324	136	136484	-157761.1413	9138337.3170250766	-93.3833493047557	-101.3573065	296971.4513243625	4361969.570223493	3366.4425891711008	326.67439174200246	3159.0081790835607	3157.70099636001	108.6309952064632	109.938717293335
325	136	136485	-157101.1413	9138337.3170250766	-93.38336014765126	-101.3549728	297172.5073489362	4361965.51933346	3364.326111541484	326.6487480547856	3158.2407632199042	3156.98473029301	108.2467343488141	109.5027618778453
326	136	136486	-156441.1413	9138337.3170250766	-93.38337085614622	-101.352639	297373.6517614997	4361961.461544085	3362.209638931827	326.51910238470473	3156.8144885031986	3156.7485455471364	108.5045254438487	109.5703737291091
327	136	136487	-155781.1413	9138337.3170250766	-93.38338151950466	-101.3503829	297574.6181	4361957.407354705	3360.5710373148963	326.40472783146963	3156.8144885031986	3156.8144885031986	109.5703737291091	109.5703737291091
328	136	136488	-155121.1413	9138337.3170250766	-93.38339213789556	-101.3479714	297775.742319187	4361953.3535201	3358.429694805232	326.3295367739916	3155.430377739916	3155.430377739916	110.9321105141276	110.9321105141276
329	136	136489	-154461.1413	9138337.3170250766	-93.3834027114673	-101.3456376	297976.7296193465	4361949.29575562	3358.280168386053	326.197712808594	3151.064103438734	3150.80370461475	111.6306842836055	111.61346819411938
330	136	136490	-153801.1413	9138337.3170250766	-93.38341329318735	-101.3433308	298177.7484934967	4361945.24585783	3357.31166898186	326.047006635676	3148.02733934722	3147.005700147008	112.41367270095418	113.41412164886803
331	136	136491	-153141.1413	9138337.3170250766	-93.38342372241511	-101.34097	298378.8348283204	4361941.12993387	3355.69545253415	325.9197448408089	3148.396295970946	3147.992118223037	114.7766841738041	115.9658258809529
332	136	136492	-152481.1413	9138337.3170250766	-93.38343416	-101.3386362	298579.894062239	4361937.134903754	3353.865148134413	325.7806744863896	3143.2336865642233	3142.107132893184	114.6470928204717	115.7703924072117
333	136	136493	-151821.1413	9138337.3170250766	-93.3834453355503	-101.3363025	298780.74484999145	4361934.061813302	3352.0575770927564	325.6654519696257	3146.810988388793	3146.810988388793	109.9463430739844	110.54912414137506
334	136	136494	-151161.1413	9138337.3170250766	-93.3834549	-101.333987	298982.002740738	4361930.032632078	3350.21937272032	325.5258454545	3146.14313450535	3146.8954573506	109.9463430739844	109.9463430739844
335	136	136495	-150501.1413	9138337.3170250766	-93.3834652	-101.3316349	299183.0568	4361924.981032472	3347.92153545897	325.367596247034	3150.202980820563	3147.005700147008	108.6309952064632	109.5703737291091
336	136	136496	-149841.1413	9138337.3170250766	-93.38347561658406	-101.3293011	299384.1106237609	4361920.929	3345.017286332031	325.248538072031	3150.391811327552	3150.374088279804	109.9502674474905	102.1121924342054
337	136	136497	-149181.1413	9138337.3170250766	-93.38348567	-101.3269673	299585.1642770325	4361916.876450689	3343.200302707653	325.1090823504504	3150.20781813873	3150.20781813873	108.8034139173756	108.8034139173756
338	136	136498	-148521.1413	9138337.3170250766	-93.38349584178946	-101.3246335	299786.2172789593	4361912.82449495	3340.68720681992	324.976206369723	3149.7845025145475	3149.846564600613	99.89917592244246	99.89917592244246
339	136	136499	-147861.1413	9138337.3170250766	-93.383505964233585	-101.3222997	299987.2708435954	4361908.73	3338.20841777107415	324.826283	3149.7845025145475	3149.846564600613	99.89917592244246	99.89917592244246
340	136	136500	-147201.1413	9138337.3170250766	-93.38351604159033	-101.3199693	300188.3404342566	4361904.71076465	3336.31919829022	324.68330833325	3148.05108614618	3148.05108614618	99.89917592244246	99.89917592244246
341	136	136501	-146541.1413	9138337.3170250766	-93.38352632	-101.3176349	300389.2620554386	4361900.3535201	3334.429694805232	324.5305367739916	3155.430377739916	3155.430377739916	110.9321105141276	110.9321105141276
342	136	136502	-145881.1413	9138337.3170250766	-93.38353601670073	-101.3152983	300590.4923741444	4361896.1849251	3332.7693428679024	324.433125	3146.305124400496	3147.005700		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothKrg.f	5m.SatH2oLogs.f	SatH2oBoth.f
425	185	136585	-91101.14133	913837.3170250766	39.384207846679494	-101.125914	171727.1338498912	4361561.065142005	395.4553978912145	302.9221467496623	3007.889504059874	3007.96488378533	50.032648878919	54.95726296
426	185	136586	-90441.14133	913837.3170250766	39.384214045016414	-101.1192575	171478.17540311685	4361557.303017132	392.7940151320657	300.7880414365903	3001.006717593121	3001.017033868043	50.0013404625375	50.86496577193038
427	185	136587	-89791.14133	913837.3170250766	39.38422020327006	-101.1168237	171679.2116718786	4361552.996406331	391.2817545453145	305.8893413640674	3012.1405188875204	3012.1405188875204	46.58169854724659	46.58169854724659
428	185	136588	-89121.14133	913837.3170250766	39.38423104432646	-101.1145899	171880.2487543582	4361550.9627814569	390.5726776869555	305.6259770930373	3013.578726505584	3013.7801145156903	45.0088282756485	42.84583193630364
429	185	136589	-88461.14133	913837.3170250766	39.38423235533166	-101.112256	181081.2851626383	4361544.928537573	390.5704522666955	304.5979154974074	3014.144667	3014.28681658021	44.014493384597535	40.114938339457535
430	185	136590	-87801.14133	913837.3170250766	39.384238395540706	-101.1099222	18282.3219343404	4361540.98481637	390.2134857221909	305.605169612909	3012.57679278004	3013.024292759322	40.02832734904816	39.58024201938679
431	185	136591	-87141.14133	913837.3170250766	39.38424437	-101.1075884	184843.35744069	4361536.86148753	390.5860276327633	305.64780481935	3008.0532292892308	3008.40183898747	42.59478156230438	42.51620593818786
432	185	136592	-86481.14133	913837.3170250766	39.38425030030715	-101.105245	18488.3932319339	4361532.82840914	391.688208148163	304.8725941107141	3001.57276900547	3001.974148619616	47.19812097594124	46.75179428752426
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447	185	136607	-76581.14133	913837.3170250766	39.38433402240777	-101.069967	193743.3267704011	4361472.3534313	397.94403234643	307.85843234643	2925.0982474203	2925.0982474203	94.8450177483971	94.8450177483971
448	185	136608	-75921.14133	913837.3170250766	39.38433904653186	-101.067913	193900.343365431	4361468.32370989	398.1205416685742	302.12670323636	2910.360450135713	2910.370518361921	111.7665131004743	111.7665131004743
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452	185	136612	-73281.14133	913837.3170250766	39.38435942984881	-101.0585778	195127.0057039	4361452.205110923	398.116505577832	301.4703180430723	2871.66838735978	2870.227854959228	145.365903632842	146.804595349838
453	185	136613	-72621.14133	913837.3170250766	39.38436440365896	-101.0562867	195426.06863636	4361448.1764313	398.04745898977	301.584948429508	2875.226280498746	2874.238971908925	149.61758120108925	149.61758120108925
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457	185	136617	-69981.14133	913837.3170250766	39.38438394547604	-101.0469084	196630.2314356055	4361420.061760528	396.682391278483	301.243212666126	2901.5192037913193	2901.029045484692	109.7240087480671	109.7240087480671
458	185	136618	-69321.14133	913837.3170250766	39.3843886277189	-101.0445745	196931.2644777846	4361428.01369879	396.6490351277043	301.10115556693885	2906.9379200138546	2906.182118346548	109.731365537467	109.731365537467
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463	185	136623	-66021.14133	913837.3170250766	39.38441176452049	-101.0329053	198416.4186744862	4361407.89629044	397.160626537085	300.5622557943307	2904.0234139144472	2904.836247162964	65.999140285988	64.78631078032343
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465	185	136625	-64701.14133	913837.3170250766	39.384420693840184	-101.0282376	199031.49175678	4361400.842737678	397.175168073936	302.27875675845173	2929.188077	2929.25475675845173	73.0906793649654	73.02628091317327
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468	185	136628	-62721.14133	913837.3170250766	39.38443437496931	-101.021236	199921.564954545	4361387.736353131	397.31329902326	301.75659918582058	2906.73883	2903.09618364978	93.28208851827	93.28208851827
469	185	136629	-62061.14133	913837.3170250766	39.38443801	-101.01890								

ix	iy	ic	Y.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskg.f	BREIEvBothKrg.f	SatHtLogsk.f	SatHtBoth.f
551	156	13671	-4941.141327	1918337.3170205766	39.3846340689967	-100.8275259	42606.450165749	4361054.290782184	3026.02327553159023	2789.23876027286643	2787.776430002532	2787.5399374829183	101.46232771861105	101.69882279495946
552	156	13671	-7281.141327	1918337.3170205766	39.38463458079972	-100.8251917	42607.105261834953	4361050.28136451	3027.105261834953	2887.1588727413123	2787.70407439973	2787.0699613902495	90.67176634153366	100.08917660227871
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555	156	136715	-3001.141327	1918337.3170205766	39.3846357000116	-100.8181901	43434.0151894184	4361038.25427971	3034.347460226486	2880.7359042989268	2784.4529203783877	2780.996934503184	95.2274271869542	95.3462703304094
556	156	136716	-4641.141327	1918337.3170205766	39.38463620956873	-100.8158562	43461.5133858101	4361034.254695237	3031.38582452648	2878.548314832087	2782.892387076588	2782.821803845845	95.7362673475465	95.7362673475465
557	156	136717	-3981.141327	1918337.3170205766	39.3846365405318	-100.8135224	43812.5419702304	4361030.327228861	3037.426898976516	2876.342052897283	2781.1157331268542	2780.996934503184	95.2274271869542	95.3462703304094
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559	156	136719	-2661.141327	1918337.3170205766	39.38463697779556	-100.809856	44242.4758395936	4361022.220891521	3041.555831562474	2871.894452989758	2778.9777881452424	2778.196804589644	93.6974771	93.6974771
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562	156	136722	-681.1413269	1918337.3170205766	39.384637300228455	-100.801853	44817.6235	4361010.198	3038.959741091855	2867.154258979677	2774.0157643473604	2774.0157643473604	94.25846432727281	94.25846432727281
563	156	136723	-211.1413269	1918337.3170205766	39.38463732421414	-100.7995192	45018.67867700706	4361006.198082852	3036.4207272400745	2862.927598367076	2768.746423436404	2768.7358239405361	94.19113068453023	94.19113068453023
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584	156	136744	13838.858673037351	1918337.3170205766	39.384627417311684	-100.750508	49239.2959725779	4360922.084	3003.065893019546	2817.12733057262	2758.512276611219	2758.3456815015	59.4692544604279	68.7927630710766
585	156	136745	14498.858673037351	1918337.3170205766	39.3846264588872	-100.7481741	49440.8171180547	4360918.08152642	3002.459675566306	2815.101307441332	2758.573737775975	2758.4747694945866	58.52893416376446	65.62561334874547
586	156	136746	15158.858673037351	1918337.3170205766	39.38462594246963	-100.7458402	49641.92811781628	4360914.078831721	3001.65382054509	2813.06329427835	2758.51932891877	2758.41932891877	54.498251888921	62.3021625300394
587	156	136747	15818.858673037351	1918337.3170205766	39.3846247493346	-100.7435074	49842.9389715806	4360910.06411208	3000.89579458034	2811.0215794748033	2758.41932891877	2758.41932891877	50.068961954839	58.9331406
588	156	136748	16478.858673037351	1918337.3170205766	39.3846237184059	-100.7411725	50043.9497800579	4360906.07044322	3000.91222951474	2808.961698111576	2757.762651036571	2757.83971281454	51.20551877458635	61.25648960603745
589	156	136749	17138.858673037351	1918337.3170205766	39.38462212366518	-100.7388387	50244.960343822	4360902.07941222	3000.29455740718	2806.90565284727	2756.249711483923	2755.198211161647	50.65959146	59.82354133062781
590	156	136750	17798.858673037351	1918337.3170205766	39.384620930406655	-100.7365048	50445.9701619204	4360898.07039823	3000.087066270646	2804.834990231819	2756.632363463633	2754.0956258282213	51.2126256548591	55.7393374
591	156	136751	18458.858673037351	1918337.3170205766	39.3846198629033	-100.7341709	50646.981531926	4360894.0638313	3000.08469221843	2802.75378296055	2756.3647173878503	2755.202506078991	52.9298151391205	55.7548818500761
592	156	136752	19118.858673037351	1918337.3170205766	39.3846184094034	-100.7318731	50847.9611460897	4360890.06630137	2999.707830550817	2800.674822845957	2755.5467673175545	2754.4004213484845	54.1201148310325	60.12460948111004
593	156	136753	19778.858673037351	1918337.3170205766	39.384617032664	-100.7295484	51048.9611460897	4360886.06630137	2999.707830550817	2800.674822845957	2755.5467673175545	2754.4004213484845	54.1201148310325	60.12460948111004
594	156	136754	20438.858673037351	1918337.3170205766	39.3846157054167									

ix	iy	ic	X.fts	Y.fts	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SurfTBothKrg.
677	19837	75218.85867307335	1913837.3170250766	39.38434539279056	-105.334592	367933.345296286	430505.660470348	2843.617302	2466.299914	2587.120701737773	2602.8228646125685	59.17621249178683	43.47404961699158
678	19838	75788.85867307335	1913837.3170250766	39.38433937872652	-105.33112253	368134.343696014	430505.67539618	2838.369032	2644.844204091368	2587.422607618612	2605.677562805171	59.17245390551771	39.16664115898857
679	19839	76398.85867307335	1913837.3170250766	39.38432173091425	-105.3287818	368355.3423220016	430505.62959258	2838.7254625149453	2643.773815703384	2588.31873147370485	2607.168735387913	59.077433532451	38.2292491193704
680	19840	76988.85867307335	1913837.3170250766	39.38432923377339	-105.3264576	368530.340530016	430505.38707	2835.685694712686	2641.954203306807	2589.07099266487	2606.19700467894	52.8841037723392	35.756400189131
681	19841	77588.85867307335	1913837.3170250766	39.38432362657361	-105.3241238	368737.3381066383	430503.7423501572	2834.67726914027	2640.5143431871055	2589.690341032587	2602.4501712149001	58.8242800389186	38.06426238149536
682	19842	78158.85867307335	1913837.3170250766	39.3843182569098	-105.3217899	368938.3366491933	430530.379375055	2833.68469108168	2639.076924707553	2590.22414483236	2597.67208233666	58.64278021428714	41.40484237095506
683	19843	78718.85867307335	1913837.3170250766	39.38431289972567	-105.3194561	369139.334393333	430502.672650554	2831.68155847845	2637.641100489509	2590.4771812649324	2597.0123862074883	47.16399132507727	40.6287022620231
684	19844	79388.85867307335	1913837.3170250766	39.384307468677946	-105.3171222	369340.332090117	430502.725620538	2829.480524016475	2636.260695570456	2590.1676278620396	2596.88336874921	46.0309677	39.322568585324654
685	19845	80498.85867307335	1913837.3170250766	39.3843196257448	-105.3147864	369541.3268731562	430502.6798981691	2828.951799891891	2634.773815703384	2588.9278795194555	2596.76835361166	45.84583618308636	38.538602148198214
686	19846	81158.85867307335	1913837.3170250766	39.38429647133486	-105.3124545	369745.32471249762	430514.8067106	2824.493585966833	2633.324297180162	2596.5548692074016	2596.106305147314	46.78799057465046	38.23637041417054
687	19847	81818.85867307335	1913837.3170250766	39.38429090503979	-105.3101207	369943.364516755	430503.8023196	2818.741155497558	2631.915680370583	2583.587112565327	2592.296430670383	43.32849314003486	38.0891063937348
688	19848	82478.85867307335	1913837.3170250766	39.38428529	-105.3077669	370144.3216535406	430506.841397225	2808.69168226196	2629.47163292165	2581.2606113174024	2588.67176028024	49.23710501181404	41.82596048019243
689	19849	83138.85867307335	1913837.3170250766	39.38427963720206	-105.305453	370345.3179352975	430502.859206096	2800.641959258305	2629.100948935639	2582.4401994674024	2586.2379504674004	46.2675049363749	42.8629946823874
690	19850	83798.85867307335	1913837.3170250766	39.38427393565943	-105.3031192	370546.315683097	430504.87851792	2791.91936725529	2627.726071365259	2589.458381510114	2587.1697849237483	38.2662332142476	37.5362868728069
691	19851	84458.85867307335	1913837.3170250766	39.3842681990442	-105.3007853	370747.3125113597	430504.98474312	2788.195423912553	2626.3671792327357	2588.685905915904	2596.6571927971166	27.674201734226244	29.704113028019037
692	19852	85118.85867307335	1913837.3170250766	39.38426329722699	-105.4984515	370948.30921552893	430490.91393643	2790.455272226956	2625.002254655918	2598.271706975495	2572.90544875727	26.73037488934508	52.09670463861175
693	19853	85778.85867307335	1913837.3170250766	39.3842566503716	-105.4961176	371149.3057950074	430496.8932	2792.714120628051	2624.670155111882	2598.8375441836242	2588.547340849496	26.80947132765507	35.0994814462368
694	19854	86438.85867307335	1913837.3170250766	39.3842506766493	-105.493738	371350.325253927	430503.1002127075	2792.2901195081627	2622.2901195081627	2595.6019966162457	2598.9654394392675	26.80947132765507	35.0994814462368
695	19855	87098.85867307335	1913837.3170250766	39.38424475171029	-105.49145	371551.298655104	430478.96833241	2798.42329756122	2620.54468485072	2593.7410666305917	2592.628687	27.2134018022240	28.32578169252043
696	19856	87758.85867307335	1913837.3170250766	39.38423877917329	-105.4891161	371752.2947953465	430478.96833241	2798.42329756122	2619.621501123466	2590.52655091385	2587.6873838609	29.0943602020077	31.9338117365569
697	19857	88418.85867307335	1913837.3170250766	39.3842327655392	-105.4867823	371963.290821115	430470.071021419	2801.715800774029	2618.2999711495313	2588.29734051105	2586.188234042744	30.089617088429815	32.1147268452898
698	19858	89088.85867307335	1913837.3170250766	39.3842261890442	-105.4844874	372154.286401135	430467.02642186	2812.21415257382	2616.91811761995	2587.123534866166	2586.57722304671	30.089617088429815	32.1147268452898
699	19859	89748.85867307335	1913837.3170250766	39.3842196257448	-105.4821818	372355.26271562	430458.61388491	2804.63179831925	2615.889858350023	2586.188234042744	2586.188234042744	30.089617088429815	32.1147268452898
700	19860	90398.85867307335	1913837.3170250766	39.38421440071101	-105.4797808	372556.2740003434	430459.0532453	2812.63253569476	2614.432324	2577.76363304987	2577.76363304987	30.089617088429815	32.1147268452898
701	19861	91058.85867307335	1913837.3170250766	39.38420824325297	-105.4774469	372757.274002567	430455.05822688	2811.227528	2613.746491231606	2565.910888833467	2573.698581937244	27.248390027813825	39.8497809234984
702	19862	91718.85867307335	1913837.3170250766	39.38420020271956	-105.4751131	372958.2647705506	430451.1064365	2809.82121903326	2611.8297453870386	2557.1468561150414	2566.465923922506	54.76488927199716	45.4638214649823
703	19863	92378.85867307335	1913837.3170250766	39.38419571310861	-105.4727793	373159.2648297033	430447.161296342	2806.453813004028	2610.714079816545	2552.297388716797	2555.9724066611506	54.7120423446544	54.7120423446544
704	19864	93038.85867307335	1913837.3170250766	39.38418938	-105.4704454	373360.2606071526	430443.147703886	2801.12266171577	2609.522340340702	2549.529562554667	2553.00724666057	59.99277778740454	56.5150367975041
705	19865	93698.85867307335	1913837.3170250766	39.3841838259368	-105.4681176	373561.2557102975	430438.18789157	2798.7911598	2608.350473602674	2548.350473602674	2551.93858761498	56.668918858504	56.668918858504
706	19866	94348.85867307335	1913837.3170250766	39.384177677494	-105.4658176	373762.2557102975	430435.18824505	2790.46515715228	2607.21107297755	2547.350473602674	2551.93858761498	56.668918858504	56.668918858504
707	19867	95018.85867307335	1913837.3170250766	39.384170111832546	-105.4634349	373963.254025905	430431.209944305	2788.096487041123	2606.88356	2543.97588623486	2551.7454782714176	62.112497498393	54.3428734795242
708	19868	95678.85867307335	1913837.3170250766	39.38416359807874	-105.4611101	374164.239772519	430427.21326029	2787.1010991305	2604.984591	2542.39642218936	2545.529344258663	62.5884452713024	50.45524718609966
709	19869	96338.85867307335	1913837.3170250766	39.384150407103	-105.4587762	374365.2343984237	430423.2526785	2779.305217216925	2603.85975938505	2540.984259115345	2541.688922484313	62.5205062	42.20783725141928
710	19870	96998.85867307335	1913837.3170250766	39.38414507351195	-105.4564424	374566.2280932654	430419.217488168	2775.9095333023	2602.82173	2539.689254081224	2539.689254081224	62.5205062	42.20783725141928
711	19871	97658.85867307335	1913837.3170250766	39.3841437892408	-105.4541088	374767.2222892363	430415.29643324	2770.651156454091	2601.75836780878	2538.418277043175	2538.418277043175	62.5205062	42.20783725141928
712	19872	98318.85867307335	1913837.3170250766	39.384137096597	-105.451774	374968.217545406	430411.31709698	2763.544940819173	2600.689702454284	2537.3549238116303	2537.3549238116303	62.5205062	42.20783725141928
713	19873	98978.85867307335	1913837.3170250766	39.3841303745159	-105.4494048	375169.2110228592	430407.34117206	2758.44882483832	2599.647206881594	2536.307247717208	2536.307247717208	62.5205062	42.20783725141928
714	19874	99638.85867307335	1913837.3170250766	39.38412357393806	-105.4471071	375370.205726006	430403.36394161	2749.323270035892	2598.599034118177	2535.358009431276	2534.43964758438	62.5205062	42.20783725141928
715	19875	100298.85867307335	1913837.3170250766	39.38411674533384	-105.4447732	375571.1966325624	430399.364347625	2744.71051064915	2597.55384871269	2534.748960220096	2534.748960220096	62.5205062	42.20783725141928
716	19876	100958.85867307335	1913837.3170250766	39.38410891648356	-105.4424394	375772.19351885794	430395.40357376	2742.63699278623	2596.510054917837	2533.946471442783	2533.946471442783	62.5205062	42.20783725141928
717	19877	101618.85867307335	1913837.3170250766	39.38410298284135	-105.4401056	375973.1871885796	430391.393215426	2740.52930370689	2595.4088830689	2533.09283152795	2533.09283152795	62.5205062	42.20783725141928
718	19878	102278.85867307335	1913837.3170250766	39.38409596988884	-105.4377717	376174.1807379182	430387.345845727	2738.44882483832	2594.67206881594	2532.113340326287	2532.113340326287	62.5205062	42.20783725141928
719	19879	102938.85867307335	1913837.3170250766	39.3840889192609891	-105.4354311	376375.16751761	430383.36394161	2737.4323270035892	2593.599034118177	2531.358009431276	2530.43964758438	62.5205062	42.20783725141928
720	19880	103598.85867307335	1913837.3170250766	39.38408192609884	-105.4330472	376576.1761	430379.35101961	2736.44882483832	2592.31193330493	2530.113340326287	2530.113340326287	62.5205062	42.20783725141928
721	19881	104258.85867307335	1913837.3170250766	39.38407482700629	-105.4307702	376777.160673212	430375.52704292	2735.44882483832	2591.2468941627517	2527.363736035284			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatHtElev.ft	SatHtBoth.ft	
63	186	136963	-330021.1413	91.41947	31.70250766	39.38081408641665	-101.966421	244492.5170863597	4363235.9751613959	3828.50156586098973	371.6510440993444	3565.755243969734	3587.0147294822405	95.8980252961059	84.6363170170392
64	186	136964	-329361.1413	91.41947	31.70250766	39.3803665057287	-101.964074	244893.6319166687	4363231.86461701	3826.059212850533	3670.662671534804	3564.535041069776	3581.1781220447742	97.1481345062716	98.504549439
65	186	136965	-328701.1413	91.41947	31.70250766	39.38069297460383	-101.961758	244884.746642112	4363233.123254878	3825.6166899001193	3669.709875252815	3561.5020891350542	3574.841917219438	108.2039676277727	95.0649538349471
66	186	136966	-328041.1413	91.41947	31.70250766	39.38088150895456	-101.9594023	245005.86089110723	4363235.65428396	3821.1745096191307	3568.718604376707	3559.539125630084	3568.9621962340084	99.1795348045928	98.5756546510169
67	186	136967	-327381.1413	91.41947	31.70250766	39.3809328099946	-101.9570867	245296.7948915477	4363235.947669738	3816.734694503303	3567.781896445983	3557.711251284119	3566.5997047719547	101.0923547863279	101.11848507264358
68	186	136968	-326721.1413	91.41947	31.70250766	39.38092621916159	-101.9547351	245498.08871183326	4363235.941413061	3818.292474121306	3566.701757101183	3556.0024094800316	3565.53954	110.69970080271761	101.1621169964848
69	186	136969	-326061.1413	91.41947	31.70250766	39.38094852584951	-101.9524196	245699.20220800443	4363231.35158363	3813.860158082785	3565.6661745051409	3554.573819720508	3566.5997047719547	111.0923547863279	101.11848507264358
70	186	136970	-325401.1413	91.41947	31.70250766	39.3809707746636	-101.950086	245900.3159665433	4363207.229105638	3811.422879510176	3564.608953609945	3552.3610431341363	3564.7685497092927	111.3479107268481	99.8400479700712
71	186	136971	-324741.1413	91.41947	31.70250766	39.38096297460383	-101.9477524	246101.42869139073	4363232.174176186	3808.9475147176186	3563.52786661110065	3552.2153177688367	3564.42196177688367	111.31254819441171	98.31126248659129
72	186	136972	-324081.1413	91.41947	31.70250766	39.38101513707035	-101.9454189	246302.54147465676	4363190.07760647	3808.084054642794	3562.418323055776	3551.1726951187778	3565.811695293101	111.291171735889	95.60713712947475
73	186	136973	-323421.1413	91.41947	31.70250766	39.3810372506266	-101.9430853	246503.65403713819	4363192.15129122	3806.670598752539	3561.2774657506993	3550.385192589328	3565.207899291883	110.882273181137	96.0695958486125
74	186	136974	-322761.1413	91.41947	31.70250766	39.38105931919233	-101.9407517	246704.76448441116	4363190.806912527	3805.25714014702987	3560.09264287534	3549.986995921105	3567.75960878943	110.1122647045231	97.32330340895107
75	186	136975	-322101.1413	91.41947	31.70250766	39.38108134263854	-101.9384181	246905.8785088143	4363186.176918922	3803.841430770992	3558.87965250841	3550.0251442556737	3560.222249681746	108.85450779951673	98.6567313699175
76	186	136976	-321441.1413	91.41947	31.70250766	39.38110331007316	-101.9360485	247160.9903189028	4363182.597022834	3799.9420967514395	3557.6142134516595	3550.13149650311	3559.219236329225	107.44717848494	99.42196071873695
77	186	136977	-320781.1413	91.41947	31.70250766	39.38112525	-101.933751	247308.10817850334	4363178.49239878	3796.899	3556.299349	3550.273746465023	3559.048796593878	106.0229746629378	97.2525079817068
78	186	136978	-320121.1413	91.41947	31.70250766	39.38114714252596	-101.931474	247509.21317874907	4363174.387951899	3793.797680327958	3554.032912709568	3550.2442859460923	3558.640356581533	104.6882638496557	96.292554405454
79	186	136979	-319461.1413	91.41947	31.70250766	39.38116896574044	-101.9290838	247710.3240744245	4363176.7165885	3788.4307387165885	3553.514224141234	3550.1835874358767	3559.197912629974	103.3288347053476	96.9186307832544
80	186	136980	-318801.1413	91.41947	31.70250766	39.38119067374792	-101.9267502	247911.30557119065	4363166.179831798	3780.76913836736	3552.613826121955	3549.607923	3553.183180177554	102.4244491654523	96.8185719440217
81	186	136981	-318141.1413	91.41947	31.70250766	39.381212536747555	-101.9244166	248112.54657140023	4363162.07858195	3772.775130682616	3550.504398548688	3548.4654668808716	3551.015980182277	102.0389285787165	99.44848137
82	186	136982	-317481.1413	91.41947	31.70250766	39.38123444672875	-101.9222083	248313.6508227654	4363162.972922776	3765.445879752486	3547.91329191502	3547.4563987436595	3548.8685066087945	101.4609304739246	100.44882226419431
83	186	136983	-316821.1413	91.41947	31.70250766	39.38125590752385	-101.9197494	248514.769990204	4363153.86879439	3760.33178245832	3547.27048154999	3546.4750201396582	3546.73147076149	100.8022081334097	100.5455773096508
84	186	136984	-316161.1413	91.41947	31.70250766	39.3812772306501	-101.917418	248715.8750265054	4363149.58702604	3757.764913283647	3545.5863339047307	3545.0231800073075	3545.0231800073075	100.5455773096508	100.5455773096508
85	186	136985	-315501.1413	91.41947	31.70250766	39.38129944843097	-101.9151874	248916.984471712	4363142.458363	3754.974873124242	3544.64782190947	3544.64782190947	3544.64782190947	100.6887240254313	100.6887240254313
86	186	136986	-314841.1413	91.41947	31.70250766	39.3813206530243	-101.9127487	249118.0948525505	4363141.56	3752.63146271813	3542.0678325270187	3540.3595367110483	3538.4953280751372	100.7029581597036	100.61083367372543
87	186	136987	-314181.1413	91.41947	31.70250766	39.3813420181838	-101.9104151	249319.2037485016	4363137.457102056	3754.7347038119568	3540.247508120922	3538.425756693046	3539.673280751372	100.812750211823	100.427273965491
88	186	136988	-313521.1413	91.41947	31.70250766	39.3813634566238	-101.9080815	249520.3215690247	4363133.35468136	3741.448067634567	3538.31573209384	3535.08453003897	3535.08453003897	100.9369412550451	100.9369412550451
89	186	136989	-312861.1413	91.41947	31.70250766	39.38138484	-101.9057479	249721.421403406	4363126.25624076	3738.181461471619	3536.5036065915406	3532.4951421500346	3532.4951421500346	111.0084644150602	111.0084644150602
90	186	136990	-312201.1413	91.41947	31.70250766	39.38140628336004	-101.9034143	249922.5294639604	4363125.15042246	3734.914855239773	3534.852563398494	3531.859221464818	3525.17072195016	110.72603487503147	102.414481448333
91	186	136991	-311541.1413	91.41947	31.70250766	39.3814276785958	-101.901807	250123.5375400754	4363120.948638024	3732.981684921225	3532.839847304954	3529.839847304954	3529.839847304954	100.81369275839	100.81369275839
92	186	136992	-310881.1413	91.41947	31.70250766	39.38144984453097	-101.8997471	250324.567956505	4363116.194720814	3730.79167720938	3531.1845433374309	3531.1845433374309	3531.1845433374309	100.624042545313	100.624042545313
93	186	136993	-310221.1413	91.41947	31.70250766	39.3814707669336	-101.8964135	250525.85295074073	4363112.84561857	3728.1286124418216	3528.679117002591	3528.679117002591	3528.679117002591	100.296045480283	100.296045480283
94	186	136994	-309561.1413	91.41947	31.70250766	39.3814912336655	-101.8940798	250726.9602851576	4363108.74441134	3726.07669235124563	3527.146032421115	3525.17072195016	3525.17072195016	100.3289809314127	100.3289809314127
95	186	136995	-308901.1413	91.41947	31.70250766	39.38151234592273	-101.8917462	250928.0673378622	4363104.64340526	3727.7883424012122	3526.64402352515	3519.2744045147956	3521.28744790028	100.3696190170136	100.3696487355122
96	186	136996	-308241.1413	91.41947	31.70250766	39.38153342203656	-101.8894126	251129.1472366028	4363100.543	3727.29161802762	3522.60339649168	3516.1464634507528	3516.1464634507528	100.5024700240027	100.5024700240027
97	186	136997	-307581.1413	91.41947	31.70250766	39.3815544639662	-101.887079	251330.28081120533	4363096.442	3726.7794791763028	3520.549697832298	3513.452918515805	3513.452918515805	100.0966730616544	100.0966730616544
98	186	136998	-306921.1413	91.41947	31.70250766	39.3815754413408	-101.884754	251531.38770823	4363092.34	3726.7794791763028	3519.48453397967	3511.126793	3511.126793	100.168402545313	100.168402545313
99	186	136999	-306261.1413	91.41947	31.70250766	39.3815963629979	-101.8824118	251732.493433731	4363088.24400583	3726.7794791763028	3518.408485623847	3509.1317684367796	3511.2164754941	100.054231256051	100.054231256051
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101	186	137001	-304941.1413	91.41947	31.70250766	39.3816381	-101.877446	252134.7047350082	4363080.04160853	3723.7961464605096	3512.2208950404263	3506.496299127347	3507.81902340487	100.373466776916	100.373466776916
102	186	137002	-304281.1413	91.41947	31.70250766	39.38165894	-101.875411	252335.81021039178	4363075.945025137	3721.483578	3510.12765431891	3505.413123004313	3506.86749514481	100.4145523444787	100.2409259177181
103	186	137003	-303621.1413	91.41947	31.70250766	39.3816799887042	-101.8730773	252536.91522479934	4363071.84263717	3719.60940015438176	3508.021634981401	3504.12127350356	3504.12127350356	100.9030614310454	100.9030614310454
104	186	137004	-302961.1413	91.41947	31.70250766	39.3817004151495	-101.8707437	252730.0210216178	4363067.74343349	3716.540716214134	3505.91032351398	3501.338670462114	3500.351323100983	100.5723224871864	100.6449011504127
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f	
188	186	137089	-246861.1413	91.41947	31.70250766	39.38329654522121	-01.6723815	269831.601934575	43627.2048870378	336.538862598273	340.6001857258454	3358.459102437736	3358.933474868625	32.14108331510943	81.66671089222018
190	186	137090	-246201.1413	91.41947	31.70250766	39.3831133548972336	-01.6720047	270032.1464963988	43627.517	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
191	186	137091	-245481.1413	91.41947	31.70250766	39.38320179480496	-01.6677141	270233.2396023556	43627.11188	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
192	186	137092	-244881.1413	91.41947	31.70250766	39.383346329014236	-01.6653804	270434.3150016202	43627.70780370986	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
193	186	137093	-244221.1413	91.41947	31.70250766	39.38333633455336	-01.6630466	270635.3989143679	43627.7322606717	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
194	186	137094	-243561.1413	91.41947	31.70250766	39.38330238218025	-01.6607129	270836.3890162451	43627.6099462	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
195	186	137095	-242901.1413	91.41947	31.70250766	39.38336907102245	-01.6583792	271077.5660611374	43627.656081422	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
196	186	137096	-242241.1413	91.41947	31.70250766	39.38341347630801	-01.6560455	271238.6492556934	43627.600420385	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
197	186	137097	-241581.1413	91.41947	31.70250766	39.3834500043527	-01.6537117	271489.7322	43627.615303902	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
198	186	137098	-240921.1413	91.41947	31.70250766	39.38344648	-01.651378	271640.518075574	43627.613301496	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
199	186	137099	-240261.1413	91.41947	31.70250766	39.38346291345422	-01.6490433	271841.8945652505	43627.629342617	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
200	186	137100	-239601.1413	91.41947	31.70250766	39.383479320345826	-01.6467105	272042.9798741414	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
201	186	137101	-238941.1413	91.41947	31.70250766	39.38349564615881	-01.6443768	272244.06206438	43627.6099462	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
202	186	137102	-238281.1413	91.41947	31.70250766	39.38351194901265	-01.6420431	272445.144697325	43627.600420385	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
203	186	137103	-237621.1413	91.41947	31.70250766	39.38352819655689	-01.6397093	272645.2272862846	43627.600420385	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
204	186	137104	-236961.1413	91.41947	31.70250766	39.38354440713383	-01.6373756	272847.307132623	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
205	186	137105	-236301.1413	91.41947	31.70250766	39.383560576632035	-01.6350419	273048.3887384514	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
206	186	137106	-235641.1413	91.41947	31.70250766	39.3835766905147	-01.6327081	273249.469360544	43627.600420385	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
207	186	137107	-234981.1413	91.41947	31.70250766	39.38359276239211	-01.6303744	273450.5501236843	43627.600420385	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
208	186	137108	-234321.1413	91.41947	31.70250766	39.38360790653895	-01.6280406	273651.6306635017	43627.625776674	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
209	186	137109	-233661.1413	91.41947	31.70250766	39.38362477383685	-01.6257069	273852.7109787874	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
210	186	137110	-233001.1413	91.41947	31.70250766	39.3836407194809	-01.6233731	274053.791072033	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
211	186	137111	-232341.1413	91.41947	31.70250766	39.38365701948699	-01.6210037	274254.345497862	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
212	186	137112	-231681.1413	91.41947	31.70250766	39.38367245921218	-01.6187057	274455.950917883	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
213	186	137113	-231021.1413	91.41947	31.70250766	39.38368825579376	-01.6163719	274657.0300173803	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
214	186	137114	-230361.1413	91.41947	31.70250766	39.3837041356755	-01.6140382	274858.109207477	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
215	186	137115	-229701.1413	91.41947	31.70250766	39.3837197267666	-01.6117044	275059.1882021314	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
216	186	137116	-229041.1413	91.41947	31.70250766	39.3837353930672	-01.6093707	275260.266917292	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
217	186	137117	-228381.1413	91.41947	31.70250766	39.3837510164567	-01.6070769	275461.345497862	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
218	186	137118	-227721.1413	91.41947	31.70250766	39.3837679329261	-01.6047732	275662.423163675	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
219	186	137119	-227061.1413	91.41947	31.70250766	39.38378216322146	-01.6023964	275863.590118256	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
220	186	137120	-226401.1413	91.41947	31.70250766	39.3837976136351	-01.6000357	276064.5706351527	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
221	186	137121	-225741.1413	91.41947	31.70250766	39.3838130586868	-01.5977019	276265.657400343	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
222	186	137122	-225081.1413	91.41947	31.70250766	39.3838285302484	-01.595381	276466.7448732136	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
223	186	137123	-224421.1413	91.41947	31.70250766	39.383843805100575	-01.5930344	276667.812086236	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
224	186	137124	-223761.1413	91.41947	31.70250766	39.3838591029699	-01.590706	276869.8909787874	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
225	186	137125	-223101.1413	91.41947	31.70250766	39.3838743740144	-01.588369	277069.965814383	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
226	186	137126	-222441.1413	91.41947	31.70250766	39.3838959085173	-01.5860331	277271.0420443633	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
227	186	137127	-221781.1413	91.41947	31.70250766	39.38390476261003	-01.5836994	277472.181739045	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
228	186	137128	-221121.1413	91.41947	31.70250766	39.3839198898891	-01.5813656	277673.1948520491	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
229	186	137129	-220461.1413	91.41947	31.70250766	39.38393497088831	-01.5790318	277874.2704770752	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
230	186	137130	-219801.1413	91.41947	31.70250766	39.38395007408245	-01.5766881	278075.346421871	43627.615938765	363.0423410112896	339.53686156710023	3359.52404614673836	3360.3807193522039	79.42961513469855	81.66671089222018
231	186	137131	-219141.1413	91.41947	31.70250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME	UTM-Y	SurfElev.	Z.ft.	BR/ElevLogs	BR/ElevBothKrg	SatHtLogs	SatHtBoth
315	18	137215	-163701.1413	91.49497	31.70250766	-39.3850633425334	-01.378325	195166.0007411617	4362207.314841653	3396.275644	3316.186245555265	3160.950297957115	116.050084177512	
316	18	137216	-163004.1413	91.49497	31.70250766	-39.38507452834994	-01.3759911	295367.0585592314	4362203.2545494	3394.267176361597	3317.1526397795447	116.8440007366391	117.79671426402659	
317	18	137217	-162821.1413	91.49497	31.70250766	-39.38508561734398	-01.3766273	265659.1212167683	4362199.2867692	3392.2870662598	3314.11876407879907	116.508662789870584	118.019207989702584	
318	18	137218	-161721.1413	91.49497	31.70250766	-39.38509669	-01.3713234	195917.129926083	4362195.1565094	3390.25404096919	3313.73054737224	119.3408034343176	120.646684302959	
319	18	137220	-161061.1413	91.49497	31.70250766	-39.3851077110793	-01.3688986	295970.2300082226	4362191.089694315	3387.42342801991	3312.0296251005802	115.3562213896947	119.082313953154572	
320	18	137222	-160401.1413	91.49497	31.70250766	-39.38511869	-01.3666558	296171.2862341066	4362187.03307625	3383.7780513912662	3310.7606895185888	115.844437815447	115.844437815447	
321	18	137221	-159741.1413	91.49497	31.70250766	-39.38512962454498	-01.3642319	296372.3438337993	4362182.97321465	3380.13266836221	3309.875980808727	3315.193735276444	117.01295122471	
322	18	137222	-159081.1413	91.49497	31.70250766	-39.38514051364086	-01.3619881	296373.3999353345	4362178.92325316	3376.4857356739373	3316.7373471427036	3315.641210438773	114.1991281557398	
323	18	137223	-158421.1413	91.49497	31.70250766	-39.38515136754989	-01.3598645	296774.4566847975	4362174.8677498	3372.591266736621	3316.8759898330243	3315.137974461938	116.878224296977327	
324	18	137224	-157761.1413	91.49497	31.70250766	-39.38516215655729	-01.3573204	296975.5120402058	4362170.81727639	3369.44444187115555	3316.514336555101	3315.940474395617	116.0139607183915	
325	18	137225	-157101.1413	91.49497	31.70250766	-39.3851720143778	-01.3549868	297176.5679	4362166.75777093	3364.29157	3316.36107270343	3315.6141155680645	115.5845582241212	
326	18	137226	-156441.1413	91.49497	31.70250766	-39.3851839206416	-01.3526527	297377.6235171134	4362162.70393921	3364.1975272067424	3315.1762862809505	3315.759387	115.09128844134677	
327	18	137227	-155781.1413	91.49497	31.70250766	-39.3851942828391	-01.3503189	297578.67835075	4362158.40605445	3363.813028322713	3315.031200457985	3315.8792128247446	116.35349960931674	
328	18	137228	-155121.1413	91.49497	31.70250766	-39.3852049149809	-01.347985	297779.73415425577	4362154.59487319	3354.2945121537314	3314.0848464790963	3315.21991013079085	116.6057451111581	
329	18	137229	-154461.1413	91.49497	31.70250766	-39.3852154972019	-01.3456512	297980.7891746951	4362150.58430479	3351.177694856312	3310.81835678085	3315.3958909	114.912295665805	
330	18	137230	-153801.1413	91.49497	31.70250766	-39.3852260346214	-01.3433174	298181.843970908	4362146.4674876	3349.250797816852	3310.73382764025	3314.05753060515	111.3020283586163	
331	18	137231	-153141.1413	91.49497	31.70250766	-39.38523646625094	-01.3409835	298382.89872109025	4362142.43360909	3346.768975237277	3310.63963728224	3314.3520055028174	113.6936036940946	
332	18	137232	-152481.1413	91.49497	31.70250766	-39.38524995103594	-01.3386497	298583.9531472023	4362138.30753895	3344.327183734707	3310.575731437415	3314.6356821910236	114.100493040926	
333	18	137233	-151821.1413	91.49497	31.70250766	-39.38525731829734	-01.3363158	298785.00735755296	4362134.32689903	3341.88539924062	3310.46884484358	3314.48180257114537	107.06698505054708	
334	18	137234	-151161.1413	91.49497	31.70250766	-39.38526766641189	-01.333982	298986.06140635186	4362130.274	3339.4443611243454	3310.139379198566	3314.0998475171637	104.1380218465863	
335	18	137235	-150501.1413	91.49497	31.70250766	-39.38527796944302	-01.3316481	299187.1152396805	4362126.221	3338.01046307023	3310.292933747415	3310.0162472265074	102.7758064823414	
336	18	137236	-149841.1413	91.49497	31.70250766	-39.3852887239508	-01.3293143	299388.16887612233	4362122.16853347	3335.142643423697	3311.4264345831275	3314.49348888688	104.05105023095	
337	18	137237	-149281.1413	91.49497	31.70250766	-39.3852994025983	-01.3269643	299592.2227559317	4362118.15269138	3331.15986258017	3311.20431987582	3314.811961987152	101.209145835876	
338	18	137238	-148521.1413	91.49497	31.70250766	-39.38530690844613	-01.3244646	299790.2755581556	4362114.0362648	3328.334720683217	3310.48456216381207	3314.2462050505795	104.4825807381941	
339	18	137239	-147861.1413	91.49497	31.70250766	-39.38531873074683	-01.3223127	299991.3286042858	4362110.01977717	3325.722504428253	3310.7998284347087	3314.082668923247	99.23589190726516	
340	18	137240	-147201.1413	91.49497	31.70250766	-39.38532880367525	-01.3199789	300192.381454099	4362105.96	3322.32219716735165	3310.4581373996076	3314.749846824185	91.47786770078625	
341	18	137241	-146541.1413	91.49497	31.70250766	-39.385338409069	-01.317645	300393.9410717952	4362101.9806615	3320.92221925315	3310.477688858044	3314.48761638773	91.47761932930545	
342	18	137242	-145881.1413	91.49497	31.70250766	-39.38534882636249	-01.3153112	300594.486655871	4362097.85722058	3318.5222477571134	3312.9326002130592	3314.4643045919553	96.692890050595	
343	18	137243	-145221.1413	91.49497	31.70250766	-39.38535897073694	-01.3129773	300795.5386276767	4362093.83563966	3316.142340460386	3311.478001383924	3314.8541924787268	91.5000495259596	
344	18	137244	-144561.1413	91.49497	31.70250766	-39.38536940245983	-01.3106434	300990.599047923	4362090.7549293	3314.724081954293	3310.51589772402	3314.3824719693208	96.4296046094959	
345	18	137245	-143901.1413	91.49497	31.70250766	-39.38537850203852	-01.3083096	301197.842765572	4362085.704363558	3312.452269553484	3310.50080701769	3314.122563272554	96.42646432921474	
346	18	137246	-143241.1413	91.49497	31.70250766	-39.38538837366094	-01.3059757	301388.694417886	4362081.65377791	3310.062813868525	3310.079463923893	3314.61408707531684	96.0395737130191	
347	18	137247	-142581.1413	91.49497	31.70250766	-39.38539808411396	-01.3036419	301599.749231247	4362077.603	3306.480915816713	3310.3260911770526	3310.91558856999	94.706372184322	
348	18	137248	-141921.1413	91.49497	31.70250766	-39.38540780374445	-01.301308	301800.79797859	4362073.553105884	3306.3769611817319	3310.381127765303	3310.81935196563	93.3892725995076	
349	18	137249	-141261.1413	91.49497	31.70250766	-39.38541748255185	-01.2989742	302001.84830197727	4362069.503118612	3310.607300695214	3312.688136909184	3313.8847806563154	94.54579084	
350	18	137250	-140601.1413	91.49497	31.70250766	-39.3854271050363	-01.2966403	302202.8991959406	4362065.43333838	3310.44008111143	3312.555817723254	3310.7544479	91.049514085137	
351	18	137251	-139941.1413	91.49497	31.70250766	-39.3854369676973	-01.2943605	302403.9493907728	4362061.40377451	3310.251622160412	3312.2242593875674	3313.122256497643	94.1503373780306	
352	18	137252	-139281.1413	91.49497	31.70250766	-39.38544622	-01.2919726	302605.0041378627	4362057.35436047	3310.261197451415	3310.450399177695	3313.7346916962983	93.68481148	
353	18	137253	-138621.1413	91.49497	31.70250766	-39.38545571495485	-01.2896387	302806.0507	4362053.305174411	3310.98885787917	3312.805628477117	3313.424707228754	93.38125562	
354	18	137254	-137961.1413	91.49497	31.70250766	-39.38546516142391	-01.2873409	303007.100653076	4362049.25617748	3310.25499733436	3312.47170393255	3313.3484196594768	91.259260091096	
355	18	137255	-137301.1413	91.49497	31.70250766	-39.3854745628105	-01.284971	303208.1505727606	4362045.207400938	3310.72772789402	3312.831907523658	3313.83087846832597	92.1848511221833	
356	18	137256	-136641.1413	91.49497	31.70250766	-39.3854839434	-01.2826371	303409.205051941363	4362041.15891395	3310.286974046636	3312.427487406455	3314.0543945345302	93.2683933034248	
357	18	137257	-135981.1413	91.49497	31.70250766	-39.3854940245983	-01.280384	303605.894025983	4362037.1585909206	3310.2545739319774	3312.395873909206	3313.854139119774	91.049514085137	
358	18	137258	-135321.1413	91.49497	31.70250766	-39.38550249647575	-01.2779964	303811.299414445	4362033.032639571	3310.4828393055868	3311.915877772525	3313.102468719907	90.2595897652693	
359	18	137259	-134661.1413	91.49497	31.70250766	-39.385511775329	-01.2756356	304012.3485732308	4362029.014252112	3310.884682439257	3310.544945705664	3310.5702973095473	89.112874373279	
360	18	137260	-134001.1413	91.49497	31.70250766	-39.38552083506936	-01.2733017	304213.3793890807	4362024.96	3310.42846945741	3310.61302412732	3311.155919357443	88.931392742035	
361	18	137261	-133341.1413	91.49497	31.70250766	-39.38553002439873	-01.2709678	304414.446313488	4362019.8786635	3310.4727250251577	3310.5217980034793	3312.385143519408	87.816548407148	
362	18	137262	-132681.1413	91.49497	31.70250766	-39.3855391202804	-01.2686834	304615.49489715253	4362016.81488605	3310.6151025512573	3311.73563914066	3312.31626483275	86.45907473091724	
363	18	137263	-132021.1413	91.49497	31.70250766	-39.38554815092462	-01.2664301	304816.542085268	4362012.82430268	3310.44008111143	3312.555817723254	3310.7544479	84.81103976855924	
364	18	137264	-131361.1413	91.49497	31.70250766	-39.38555714557901	-01.264182	305071.591488175	4362008.77731918	3310.251622160412	3312.0419625160176	3312.161942978394	83.312950187277	
365	18	137265	-130701.1413	91.49497	31.70250766	-39.3855660397140564	-01.2618324	305218.634967182	4362004.703321948	3310.648383529301	3310.93515383297	3312.6880270758	82.7696851352084	

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgrg.f	BRiElevBothKgr.f	WatThLog.f	WatThBoth.f
441	18	13741	-8005.143133	91.49437	31.70250766	-39.38611442703445	-01.084257	320497.74456489296	438.16977585229725	391.79372843439954	303.2463634096107	295.0714882834902	73.2148057470871	76.08370894671555
442	18	13742	-7989.143133	91.49437	31.70250766	-39.38611906192591	-01.081321	320688.7746884586	438.1693727093153	312.36227743262383	301.502623515809	295.1385843095237	70.4542100595288	80.17094231284451
443	18	13743	-7922.143133	91.49437	31.70250766	-39.38612330367725	-01.078982	32089.6119745469	438.169518962481	319.89181864296	302.966514535385	294.61880915143	83.4776230213332	83.4776230213332
444	18	13744	-7856.143133	91.49437	31.70250766	-39.38613072925589	-01.077553	32100.8457514806	438.169364309353	310.323601604904	302.8639905189275	294.4618614097898	83.3734540955883	83.4081491003904
445	18	13745	-7790.143133	91.49437	31.70250766	-39.38613607316634	-01.0749214	321301.8791305336	438.169163399853	318.872901694109	302.80818993495	294.38470859113367	83.4540717618422	81.76743273505298
446	18	13746	-7734.143133	91.49437	31.70250766	-39.38614131799016	-01.0725875	321502.9123350425	438.169136302584	317.3634432188087	302.5877651236277	293.319129966138	91.9686351748984	91.5260974619102
447	18	13747	-7658.143133	91.49437	31.70250766	-39.386146625730284	-01.0720536	321703.9453652108	438.169136302584	318.4813374624003	302.3818568	291.2446163347953	102.6702545342449	102.573954809106
448	18	13748	-7592.143133	91.49437	31.70250766	-39.3861518343668	-01.0679197	321904.9782212484	438.169154269084	318.122704963202	302.241179755954	291.0688879743692	91.71240995815463	91.71240995815463
449	18	13749	-7526.143133	91.49437	31.70250766	-39.38615698795957	-01.065858	322106.450032888	438.169154269084	317.63202538187	302.179217475154	291.46708531043	91.5849898103489	91.5849898103489
450	18	13750	-7460.143133	91.49437	31.70250766	-39.38616211644835	-01.063219	322307.04341153207	438.1691482923284	317.0474139607703	301.791972	289.92232570316	126.785497938114	127.0448250391164
451	18	13751	-7394.143133	91.49437	31.70250766	-39.3861671885339	-01.060918	322508.075464422	438.1691543185515	317.0474289224733	301.8556321698302	288.9038512471116	128.85430776	126.7947905421903
452	18	13752	-7328.143133	91.49437	31.70250766	-39.386172218175126	-01.058841	322709.1079073004	438.1691543185515	317.053263380167	289.24515427135643	288.78563843263	134.901206665034	135.5673995369052
453	18	13753	-7262.143133	91.49437	31.70250766	-39.38617720141286	-01.0565202	322910.1389892946	438.1691543185515	316.382981540706	301.16744780387808	288.32604821619284	288.87726028108	133.29271183061292
454	18	13754	-7196.143133	91.49437	31.70250766	-39.3861821395666	-01.0539162	323111.171175557	438.1691543185515	317.04734084982	301.012088356965	288.7683413908496	288.626792469058	127.3230949746664
455	18	13755	-7130.143133	91.49437	31.70250766	-39.38618702630709	-01.0519823	323312.203545037	438.1691543185515	316.350275898949	301.0136315268703	288.3443475910463	288.5479158694883	120.4683013801463
456	18	13756	-7064.143133	91.49437	31.70250766	-39.386191880235	-01.049284	323513.2346274792	438.1691543185515	315.929626607845	301.721384169968	287.433856904393	289.11142890347	115.2880184755702
457	18	13757	-6998.143133	91.49437	31.70250766	-39.38619668326215	-01.0469145	323714.262724597	438.1691543185515	315.6226877431206	301.1584738080983	290.035730597863	289.91169788293	111.5490054836202
458	18	13758	-6932.143133	91.49437	31.70250766	-39.386201441345094	-01.0445806	323915.297248519	438.1691543185515	316.195329210946	301.405102779771	290.3269646	290.18512423737174	107.1814464
459	18	13759	-6866.143133	91.49437	31.70250766	-39.38620615408248	-01.0422467	324116.328302457	438.1691543185515	317.6567068869493	300.931897653754	290.8637584951475	290.861361431744	100.45521756860636
460	18	13760	-6800.143133	91.49437	31.70250766	-39.38621802173372	-01.0399128	324317.350847425	438.1691543185515	316.631119	300.94762973994	291.25847032004	291.821601758877	93.93200536301393
461	18	13761	-6734.143133	91.49437	31.70250766	-39.38621504	-01.0375789	324518.3899555433	438.1691543185515	317.055697896295	300.065799786925	291.5903861882307	291.5903861882307	87.574543136
462	18	13762	-6668.143133	91.49437	31.70250766	-39.38622007178466	-01.035245	324718.4201350944	438.1691543185515	317.579932595453	300.5435865734803	292.16273601724	292.36496792817	77.5791078079861
463	18	13763	-6602.143133	91.49437	31.70250766	-39.38622509148441	-01.032912	324918.500355675	438.1691543185515	317.63202538187	300.42478113985672	291.45496310367	291.45496310367	65.424263
464	18	13764	-6536.143133	91.49437	31.70250766	-39.38622904	-01.030572	325121.48050118075	438.1691543185515	317.57577718696	300.70366716166	292.30269038756	292.30269038756	53.115962971
465	18	13765	-6470.143133	91.49437	31.70250766	-39.38623343373231	-01.028243	325322.5104281385	438.1691543185515	317.621813326519	300.58025897932345	292.22567429162	292.22567429162	40.00597190444257
466	18	13766	-6404.143133	91.49437	31.70250766	-39.38623788080465	-01.025903	325523.5401846472	438.1691543185515	317.6785288117515	300.415360018041	291.046703360023	291.046703360023	27.84006548443879
467	18	13767	-6338.143133	91.49437	31.70250766	-39.3862423239475	-01.023574	325724.569770909	438.1691543185515	317.596912077516	300.3222166199885	291.04122487837	291.04122487837	83.24081184
468	18	13768	-6272.143133	91.49437	31.70250766	-39.3862453992515	-01.0212415	325925.599	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
469	18	13769	-6206.143133	91.49437	31.70250766	-39.386250818716	-01.018976	326126.628832044	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
470	18	13770	-6140.143133	91.49437	31.70250766	-39.38625501853426	-01.016373	326327.651570294	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
471	18	13771	-6074.143133	91.49437	31.70250766	-39.38625919036297	-01.0142398	326528.6844716153	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
472	18	13772	-6008.143133	91.49437	31.70250766	-39.38626331700776	-01.0119059	326729.7511572997	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
473	18	13773	-5942.143133	91.49437	31.70250766	-39.3862673856861	-01.009572	326930.734724339	438.1691543185515	317.63202538187	300.18950247137	291.5487665034133	291.5487665034133	83.3361387130006
474	18	13774	-5876.143133	91.49437	31.70250766	-39.3862714350555	-01.007281	327131.77212512906	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	84.155246286344
475	18	13775	-5810.143133	91.49437	31.70250766	-39.3862754564385	-01.004941	327332.800366271	438.1691543185515	318.45245744236	299.0170627293605	290.509593816852	290.509593816852	85.7879081248574
476	18	13776	-5744.143133	91.49437	31.70250766	-39.3862797374761	-01.002572	327533.328401127	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	85.7879081248574
477	18	13777	-5678.143133	91.49437	31.70250766	-39.38628373787268	-01.000263	327734.8563152136	438.1691543185515	318.07808847471	298.791373050204	290.8970768233708	290.8970768233708	86.759105933237
478	18	13778	-5612.143133	91.49437	31.70250766	-39.38628730113814	-00.9979024	327935.8840243286	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
479	18	13779	-5546.143133	91.49437	31.70250766	-39.38629041170984	-00.9955685	328136.9116016065	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
480	18	13780	-5480.143133	91.49437	31.70250766	-39.386294701744174	-00.9932346	328337.3389341475	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
481	18	13781	-5414.143133	91.49437	31.70250766	-39.38629842803335	-00.9909007	328538.9662717983	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
482	18	13782	-5348.143133	91.49437	31.70250766	-39.38630211383958	-00.9886967	328739.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
483	18	13783	-5282.143133	91.49437	31.70250766	-39.38630581795968	-00.986398	328940.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
484	18	13784	-5216.143133	91.49437	31.70250766	-39.386309332	-00.9840989	329149.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
485	18	13785	-5150.143133	91.49437	31.70250766	-39.38631286075016	-00.98165	329349.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
486	18	13786	-5084.143133	91.49437	31.70250766	-39.38631636219375	-00.9792311	329544.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
487	18	13787	-5018.143133	91.49437	31.70250766	-39.38631986060454	-00.9768972	329745.99327501457	438.1691543185515	317.585675840377	299.2491158061525	290.796338484384	290.796338484384	86.759105933237
488	18	13788	-4952.143133	91.49437	31.70250766	-39.38632321190567								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRIEVLgKg.f	BRIEVBolthKg.f	SatThLg.f	SatThBolth.f
567	18	137467	2618.858673033514	914949.3170250766	39.38644976	-00.7901835	458526.704961328	4381191.363963754	3021.3447029782265	2853.719348910542	2763.554354	2763.03549780895	60.14699514601219	90.6838711904726
568	18	137468	2738.858673033514	914949.3170250766	39.38644956	-00.7878495	486027.175447003	4381197.357561204	3015.4462021118537	2861.4602021118537	2762.8524018909735	2762.9701705909406	88.60761953017421	98.38231091
569	18	137469	2858.858673033514	914949.3170250766	39.3864493197016	-00.7855166	446228.238439545	4381193.351367451	3017.551819387447	2849.195417668843	2763.1052462741023	2761.059119542458	67.09017139474099	88.162732246166
570	18	137470	2958.858673033514	914949.3170250766	39.386449052187364	-00.7831817	464629.743994098	4381179.354530569	3015.6537760251676	2846.502826161036	2761.35460750294	2760.96271637343	85.15719755310929	98.640510767081
571	18	137471	3058.858673033514	914949.3170250766	39.3864488684941	-00.7808478	446630.757	4381175.339342068	3014.25864334458	2844.6553003864415	2760.932919958583	2758.977378650311	83.72228043	87.65736353813049
572	18	137472	3158.858673033514	914949.3170250766	39.38644836727196	-00.7785138	446831.7698	4381171.33961034	3012.3617395901474	2842.3840365815	2759.475238858704	2757.705114232323	82.801797994348	84.6370261449257
573	18	137473	3258.858673033514	914949.3170250766	39.3864479870694	-00.7761799	447032.78255192406	4381167.328519653	3012.4641948458375	2840.119581832744	2758.963750403699	2757.023226038341	81.1558314290057	83.0963582891133
574	18	137474	3358.858673033514	914949.3170250766	39.3864474972994	-00.773846	447233.791076811	4381163.32305523	3011.567011015276	2837.868454047554	2758.916740309343	2756.21478262644	78.9517137380104	81.6536924221139
575	18	137475	3458.858673033514	914949.3170250766	39.3864469890489	-00.7715821	447434.80751355424	4381159.3289431	3010.432196894195	2835.8430829896	2758.903344155636	2755.203308194585	76.942753194499	80.44605711652068
576	18	137476	3558.858673033514	914949.3170250766	39.38644632675598	-00.7691782	447635.817575187	4381155.3171372	3009.054012595717	2833.455145728247	2759.94564383163	2754.807591892078	75.15269739617	78.6502728807464
577	18	137477	3658.858673033514	914949.3170250766	39.38644572	-00.766842	447836.818872693	4381151.30885133	3007.677431082046	2831.25198034117	2759.486317969384	2753.425557867218	71.8388803762321	77.899642486997
578	18	137478	3758.858673033514	914949.3170250766	39.386445069324154	-00.7645103	448037.8345819214	4381147.304204931	3006.3014732597376	2829.2421658264716	2759.226667780303	2753.172756	70.0184905564131	76.06484081
579	18	137479	3858.858673033514	914949.3170250766	39.3864441962014	-00.7621764	448238.85566930985	4381143.300205291	3004.7066724496124	2827.195778727206	2758.869713259144	2751.890929	68.2260452	75.30448670931059
580	18	137480	3958.858673033514	914949.3170250766	39.3864432951561	-00.7598425	448439.867339639	4381139.296179028	3003.0823040698164	2825.171775188569	2758.533473088616	2750.621495128165	66.6383021	74.54761234
581	18	137481	4058.858673033514	914949.3170250766	39.3864424919684	-00.7575985	448640.87866311655	4381135.295251233	3001.0008908981938	2823.15936720148	2758.6009108135566	2749.7191587051485	66.3584638758929	73.9902048004025
582	18	137482	4158.858673033514	914949.3170250766	39.3864416920370	-00.7553164	448841.8902	4381131.288721179	2999.266771151123	2821.15092051547	2758.100383680568	2748.717738802486	65.042565208135	72.9732132489636
583	18	137483	4258.858673033514	914949.3170250766	39.3864411316708	-00.7528407	449042.9014703334	4381127.28539094	2997.2647403891978	2819.141387460993	2757.92905125376	2747.5606696761393	63.2684823617138	71.5807174848537
584	18	137484	4358.858673033514	914949.3170250766	39.38644102887365	-00.7505068	449243.912544385	4381123.28024069	2996.2601879115994	2817.127623879024	2755.3028209310414	2747.253545264156	61.8240591	69.847025732867
585	18	137485	4458.858673033514	914949.3170250766	39.38643920411968	-00.7481728	449444.92349259597	4381119.279018035	2994.773657042791	2815.107666471024	2754.616570112817	2746.4644441189545	60.49139635829033	68.1635181425286
586	18	137486	4558.858673033514	914949.3170250766	39.3864382806768	-00.7458389	449645.9342848897	4381115.27618054	2993.393131569538	2813.081579435792	2753.7337487506093	2747.263421183473	59.34730858182544	65.8181471731449
587	18	137487	4658.858673033514	914949.3170250766	39.38643737013456	-00.7435505	449846.94948315694	4381111.273402589	2992.1819005172859	2811.048234050496	2752.5344904043955	2747.021467053802	58.15374360840257	64.0258699719586
588	18	137488	4758.858673033514	914949.3170250766	39.3864364691041	-00.7412711	450047.9555327294	4381107.271095533	2991.03023425668	2809.08120898369	2750.932615451046	2746.30659831198	58.104734965418	62.70142127170645
589	18	137489	4858.858673033514	914949.3170250766	39.38643555917859	-00.7389822	450248.966705981	4381103.268498191	2989.9845451788	2807.045842981945	2750.032638325437	2745.188433056778	57.042392761253	61.7410290573431
590	18	137490	4958.858673033514	914949.3170250766	39.386434725411654	-00.7365932	450449.970590901	4381099.2680495	2988.945278	2804.907060745233	2746.080668	2742.0225573730636	56.8253935	62.8540570145971
591	18	137491	5058.858673033514	914949.3170250766	39.386433824603365	-00.7341693	450650.98616063046	4381095.26452982	2987.8047085311677	2803.803831703212	2739.07968369139	2743.525637955786	53.76761726476868	63.76761726476868
592	18	137492	5158.858673033514	914949.3170250766	39.3864312035858	-00.7318354	450851.9960766334	4381091.263527583	2986.94670767763	2800.78219625296	2740.482110024116	2735.809679322046	50.300082620543	64.9722133088328
593	18	137493	5258.858673033514	914949.3170250766	39.3864297504412	-00.7295015	451053.0058469057	4381087.261805725	2986.0384295257107	2800.78219625296	2740.482110024116	2735.809679322046	49.1392761592915	65.11561192915
594	18	137494	5358.858673033514	914949.3170250766	39.3864285141814	-00.7271675	451254.01549719614	4381083.260597744	2985.13961377786	2800.78219625296	2740.482110024116	2735.809679322046	47.91369873021473	66.7201921725781
595	18	137495	5458.858673033514	914949.3170250766	39.38642726970789	-00.7248462	451455.026838426	4381079.259849526	2984.15751646848	2794.578751166484	2739.530258639216	2738.530258639216	46.7410290573431	67.9999930370378
596	18	137496	5558.858673033514	914949.3170250766	39.3864260234136	-00.7225178	451656.034323316	4381075.25881368	2983.172014871905	2793.5108797845	2738.101100903698	2737.110697713413	45.5198107	69.3999930370378
597	18	137497	5658.858673033514	914949.3170250766	39.3864241003473	-00.7201658	451857.0435340555	4381071.259190605	2982.2434294161106	2792.4854370644157	2737.65851136739	2737.48701404782074	44.2787195074173	66.9593616594963
598	18	137498	5758.858673033514	914949.3170250766	39.3864225607182	-00.7178318	452058.05292469	4381067.257556394	2981.2847841812042	2789.385105053596	2725.1214465463734	2737.14797425183	43.2646635988615	64.2483016
599	18	137499	5858.858673033514	914949.3170250766	39.38642095702465	-00.7154879	452259.0615076207	4381063.257290654	2980.365447624186	2788.49618964004	2722.624857874353	2734.7247359	42.305113709512	66.3910309880344
600	18	137500	5958.858673033514	914949.3170250766	39.3864191289327	-00.7131614	452460.070278975	4381059.25722739	2979.869432333837	2784.279581758698	2720.24586927438	2731.62741595742	41.0337124843295	65.6501102
601	18	137501	6058.858673033514	914949.3170250766	39.38641762367789	-00.7108301	452661.078905970	4381055.25758248	2978.601468342495	2782.25048574952	2720.24586927438	2731.62741595742	39.95028396501421	66.5289396501421
602	18	137502	6158.858673033514	914949.3170250766	39.386415893778	-00.7084862	452862.087683222	4381051.257630225	2977.491545176818	2780.196259583516	2715.5343027505	2720.196259583516	38.82392673451	67.9999930370378
603	18	137503	6258.858673033514	914949.3170250766	39.38641410959384	-00.7061622	453063.09350740333	4381047.26300149	2976.40760636664	2778.16170845873	2713.719645923523	2720.196259583516	37.644321962473	69.5263059049035
604	18	137504	6358.858673033514	914949.3170250766	39.3864122855259	-00.7038283	453264.103641056	4381043.25892138	2975.482416966434	2776.123336023995	2710.605193680153	2710.605193680153	36.45214343528	75.0041760415852
605	18	137505	6458.858673033514	914949.3170250766	39.38641041597315	-00.7014944	453465.112	4381039.259082058	2974.68165276678	2774.07869628088	2708.018745532045	2707.4825729248014	35.0599443043041	71.65011770399837
606	18	137506	6558.858673033514	914949.3170250766	39.38640801336504	-00.6991605	453666.11922779	4381035.262998408	2973.82140985299	2772.021861567995	2706.398816834717	2704.8565096187126	33.644321962473	71.6513519482247
607	18	137507	6658.858673033514	914949.3170250766	39.38640564161785	-00.6968265	453867.1277000803	4381031.26295848	2972.9601249417896	2770.962725413394	2702.872717945495	2702.872717945495	32.46519085192333	67.6574591460758
608	18	137508	6758.858673033514	914949.3170250766	39.38640435681058	-00.6944826	454068.1353360672	4381027.26300149	2972.050087456194	2767.84101008934	2700.94028452406	2701.640304128784	31.444672356218	66.007008
609	18	137509	6858.858673033514	914949.3170250766	39.3864029670569	-00.692148	454269.1428304527	4381023.26014931	2971.14089358188	2766.92093231618	2700.032615451046	2700.032615451046	30.24674170148186	67.9999930370378
610	18	137510	6958.858673033514	914949.3170250766	39.38640159194716	-00.6898248	454470.1581841994	4381019.267401336	2970.1002773500023	2765.856872104585				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThLgts.ft	SatThBoth.ft
693	137593	85778.8586730335	9149497.3170250766	93.38606934623426	-100.4961101	371513.2898308802	4360868.114	2799.6027727362728	2322.200913360853	2594.8056565458976	2576.3026751824787	28.39430714955565	46.89823837837457	
694	137594	85438.8586730335	9149497.3170250766	93.386063344211674	-100.493762	371534.2968011085	4360684.1	1285729	2804.62304304788	2594.7792369135016	2577.964394344803	27.08635942369623	43.89890850621	
695	137595	87098.8586730335	9149497.3170250766	93.3861027710567	-100.494423	371555.2662379646	4360800.1	1514221	3908.53891476487	2620.534560192487	2594.7634586071823	25.771662312261306	35.17786212261306	
696	137596	87758.8586730335	9149497.3170250766	93.38605156491594	-100.4891084	371756.2784	4360676.1	1704243235	2811.339620419346	2619.211118	2595.076769447584	2589.737300064537	24.7435882	
697	137597	88418.8586730335	9149497.3170250766	93.38604545462777	-100.4867745	371957.2740917833	4360672.1	189503286	2814.10326066528	2617.9006537349505	2596.632740780585	2594.120638714845	21.2679129543635	
698	137598	89078.8586730335	9149497.3170250766	93.386034542586084	-100.4844406	372158.2698483548	4360678.1	198779199	2816.9410317197553	2616.60248926088	2598.4864734299985	2598.2071548204078	18.11617549698444	
699	137599	89738.8586730335	9149497.3170250766	93.3860326713337	-100.4821067	372359.2654842754	4360664.1	22825027	2817.3532435308753	2615.9139332491281	2599.809305571737	2596.0800733989677	19.232959293194082	
700	137600	90398.8586730335	9149497.3170250766	93.386027225322266	-100.4797728	372560.260995472	4360672.1	24781983	2818.2745996291624	2614.051610832562	2602.870948065674	2585.893651838025	21.31002677	
701	137601	91058.8586730335	9149497.3170250766	93.386020277151674	-100.477105	372765.179127222	4360656.1	26788574	2819.386729	2607.084639825953	2598.647589670123	2572.891916643024	44.153380531656801	
702	137602	91718.8586730335	9149497.3170250766	93.38601476032456	-100.475105	372962.2517	4360652.1	28752209	2817.56838541545	2605.925518722917	2597.5545819722397	255.1043732151341	36.98965311656801	
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704	137604	93038.8586730335	9149497.3170250766	93.386002164393034	-100.4704372	373364.24162826305	4360644.1	32857019	2808.2945041509413	2609.161744021267	2550.5876894183145	2554.8151878876663	58.5640526025264	
705	137605	93698.8586730335	9149497.3170250766	93.38599768452151	-100.4681033	373565.2367295994	4360640.1	34252255	2798.204735687013	2607.990977383713	2548.199228038689	2553.437265439825	59.79175967468245	
706	137606	94358.8586730335	9149497.3170250766	93.38598936342785	-100.4657964	373766.23151170183	4360636.1	36070758	2793.314057079738	2606.841182	2546.05429549151	2550.805474144831	60.7688682440871	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.Krg.ft	BREIElev.Krg.ft	SatHtLoft.Krg.ft	SatHtBohtz.ft
79	1737	-319461.1413	915157.3170250766	39.382891647381015	-01.92911719	447174.43677157004	4363371.580244692	3561.65713357099524	3545.4354482475164	3552.1482744233454	3561.366702929979	3561.366702929979	3561.366702929979	91.06874302
80	1737	-318801.1413	915157.3170250766	39.383003446011934	-01.9267827	447915.54710701036	4363367.457966675	3784.851718913695	3650.96735829369	3551.684142176317	3560.505893512589	3560.505893512589	3560.505893512589	90.45684267408069
81	1737	-317271.1413	915157.3170250766	39.38302519956745	-01.904446	448116.85717900748	4363336.731890748	3777.052102684622	3549.4389253408818	3559.5211631280147	3559.5211631280147	3559.5211631280147	3559.5211631280147	89.91891221518041
82	1737	-317272.317481.1413	915157.3170250766	39.38306049087476	-01.9221109	448371.7678178759	4363359.268016898	3567.254852191664	3647.8645145057484	3547.192404573774	3560.404558	3560.404558	3560.404558	87.4599374
83	1737	-316821.1413	915157.3170250766	39.38306851452064	-01.9197773	448518.8776693046	4363355.164	3763.181434061128	3646.204968844568	3548.094146289938	3562.588453323565	3562.588453323565	3562.588453323565	88.14680645430222
84	1737	-317274.316161.1413	915157.3170250766	39.38309018978112	-01.9174436	448479.91870797863	4363351.060875431	3754.503256366764	3546.65668391454	3545.65668391454	3552.358173099085	3552.358173099085	3552.358173099085	91.93681725122024
85	1737	-315501.1413	915157.3170250766	39.38311713034584	-01.9195111	448921.0866239047	4363346.958	3754.496463123499	3641.8650377321255	3545.139292674748	3548.399260257352	3548.399260257352	3548.399260257352	87.71601469737743
86	1737	-314841.1413	915157.3170250766	39.38313332912144	-01.9121763	449122.2057	4363342.854542205	3750.1539776546833	3641.099013809108	3542.9414826916077	3547.30789547747	3547.30789547747	3547.30789547747	90.1371036160558
87	1737	-314181.1413	915157.3170250766	39.383154774514654	-01.909109	449324.4231924776	4363336.751876958	3756.781750669912	3641.099013809108	3542.9414826916077	3547.30789547747	3547.30789547747	3547.30789547747	90.1371036160558
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89	1737	-312729.312861.1413	915157.3170250766	39.38317621123411	-01.9057574	449275.5315562175	4363330.546557713	3762.625135164701	3635.612554312041	3535.763065251127	3532.0028265862505	3532.0028265862505	3532.0028265862505	112.60972188160234
90	1737	-312201.1413	915157.3170250766	39.383218953166974	-01.9034417	449266.6366505717	4363326.44400277	3768.402596226474	3633.71998582853	3514.158375	3524.168155547223	3514.158375	3524.168155547223	109.55162800914522
91	1737	-313541.1413	915157.3170250766	39.38324025596618	-01.9011081	450127.7475	4363312.22448635	3771.822926913923	3631.79156993261	3512.1341639601237	3531.6584792471117	3531.6584792471117	3531.6584792471117	100.14036576513057
92	1737	-312861.1413	915157.3170250766	39.38326151368952	-01.898774	450328.8551477624	4363318.240391461	3772.643093314655	3629.8307690477	3513.1720437381396	3513.744454209744	3513.744454209744	3513.744454209744	98.0886240703334
93	1737	-313732.310221.1413	915157.3170250766	39.38326272633696	-01.8964407	450529.6285184921	4363314.37840064	3772.643093314655	3629.8307690477	3513.1720437381396	3513.744454209744	3513.744454209744	3513.744454209744	98.0886240703334
94	1737	-313734.309661.1413	915157.3170250766	39.38327380390848	-01.8941071	450731.0696241953	4363310.03290968	3784.297037071617	3625.80953558632	3516.2120546209196	3516.632261737287	3516.632261737287	3516.632261737287	100.2637181863648
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96	1737	-313736.308241.1413	915157.3170250766	39.38334063235236	-01.8894397	451133.283150021	4363301.93969742	3784.070259582196	3621.866178614235	3513.5065959	3512.41468592806127	3512.41468592806127	3512.41468592806127	100.2637181863648
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110	1737	-313750.299001.1413	915157.3170250766	39.383634464982726	-01.8567683	453948.7502173586	4363241.441566419	3752.415142698285	3592.579146298285	3494.276402176969	3494.45634746919	3494.45634746919	3494.45634746919	100.2637181863648
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112	1737	-313752.29781.1413	915157.3170250766	39.38367720216507	-01.852109	454350.95899161912	4363236.245735033	3749.639395913687	3588.343690143687	3490.74918505096	3490.349968328434	3490.349968328434	3490.349968328434	100.2637181863648
113	1737	-313753.297021.1413	915157.3170250766	39.38369751326215	-01.8497672	454552.05864312683	4363232.18122545	3748.10731810702	3586.21865322232	3490.74918505096	3490.349968328434	3490.349968328434	3490.349968328434	100.2637181863648
114	1737	-313754.296361.1413	915157.3170250766	39.383717253036	-01.847435	454753.1603939848	4363228.05711647	3746.6250259526297	3585.3667158126	3490.74918505096	3490.349968328434	3490.349968328434	3490.349968328434	100.2637181863648
115	1737	-313755.295701.1413	915157.3170250766	39.38373800226215	-01.8450998	454954.2628110325	4363219.5085928	3745.13186082123	3583.819340979116	3491.647931	3491.587722766789	3491.587722766789	3491.587722766789	100.2637181863648
116	1737	-313756.295041.1413	915157.3170250766	39.38375818	-01.8427661	455155.3643295354	4363219.5085928	3746.89586	3579.752545535393	3489.085442204143	3491.487178025777	3491.487178025777	3491.487178025777	100.2637181863648
117	1737	-313757.294381.1413	915157.3170250766	39.383778307013195	-01.8404324	455365.4682869997	4363215.79569787	3747.5760535	3466.241695055889	3487.98473569018	3487.98473569018	3487.98473569018	3487.98473569018	100.2637181863648
118	1737	-313758.293721.1413	915157.3170250766	39.38379839275031	-01.8380987	455557.5671895243	4363211.63040447	3746.28455919955	3575.424230242312	3484.029244339984	3484.5164546288	3484.5164546288	3484.5164546288	100.2637181863648
119	1737	-313759.293061.1413	915157.3170250766	39.383818433410525	-01.835765	455758.6682682668	4363207.56687212	3747.068832698712	3573.33148332504	3481.76872	3481.76872	3481.76872	3481.76872	100.2637181863648
120	1737	-313760.292401.1413	915157.3170250766	39.3838342893776	-01.8334313	455959.76896621497	4363203.74048232	3746.336968000008	3571.31965585808	3480.593632	3481.76872			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
195	187	137485	-236301.1413	91.1515713170250766	39.38537329345731	-01.6350626	73062.4743344472	4328266.0303601465	361.6804061695897	3421.166549874103	3324.0471467742686	3324.33435868033355	91.1490393893447
206	187	137488	-235641.1413	91.1515713170250766	39.38538941228988	-01.6327288	73253.5551077332	43262851.95148964	360.87250973261574	3420.020036183716	3321.5219081310866	3321.58461548727658	91.1229952486372
207	187	137487	-234891.1413	91.1515713170250766	39.38540546904911	-01.630382	73461.142948985	4327843.672320096	361.8742484911607	3411.874568326978	3320.8569158234381	3320.1789095285362	91.7355445
208	187	137484	-234342.1413	91.1515713170250766	39.3854251471155	-01.6280812	73655.7159927533	4327905.1794935705	360.172791961905	3417.729439375413	3318.704269856435	3319.10727	90.92367954113924
209	187	137489	-233661.1413	91.1515713170250766	39.38543748830235	-01.6257274	73856.7961	4328239.76	359.898883304235	3416.579723	3318.108112613321	3317.917893	90.84716102038933
210	187	137480	-233001.1413	91.1515713170250766	39.38543343681434	-01.6233936	74045.8759818125	4328535.638	3583.852474109136	3415.429620734072	3318.0751786255264	3317.8031149944655	97.35462411
211	187	137851	-232341.1413	91.1515713170250766	39.38546930204564	-01.6210598	74258.95564203267	4328231.560153512	3583.40526980156041	3414.2781595106537	3318.73935666743	3318.8026261095331	90.86279032919103
212	187	137852	-231681.1413	91.1515713170250766	39.38548517895685	-01.618726	74460.0307964686	4328272.48489755	3580.648274849755	3413.127167123978	3320.3188415684754	3321.5559471956387	92.80382214
213	187	137853	-231021.1413	91.1515713170250766	39.38550981867993	-01.6163822	74681.142948985	4327843.672320096	361.8742484911607	3411.874568326978	3320.8569158234381	3320.1789095285362	91.7355445
214	187	137854	-230361.1413	91.1515713170250766	39.38551674	-01.6140584	74862.193287883	432819.32776545	358.133807510956	3410.822289313624	3323.705504029643	3323.681389657433	90.7109280171
215	187	137855	-229701.1413	91.1515713170250766	39.38553245	-01.6117226	75063.270589157	4328125.50270583	357.460308059142	3409.686827	3321.14038946871	3321.564086873566	90.82834710357911
216	187	137856	-229041.1413	91.1515713170250766	39.38554812119998	-01.609308	75254.350081653	4328111.73846037	357.8752274085239	3408.511536261794	3319.19418004407	3319.250144685826	90.735621770258
217	187	137857	-228381.1413	91.1515713170250766	39.38556374415022	-01.607057	75465.2608583376	4328087.09178792	357.4084578045653	3407.348547254224	3317.813526010774	3317.39240329684	90.8532012434461
218	187	137858	-227721.1413	91.1515713170250766	39.385579322020135	-01.6047232	75666.507124013674	4328033.02730867	358.694902387904	3406.180012093325	3316.654622119743	3320.165914767637	90.835988958031
219	187	137859	-227061.1413	91.1515713170250766	39.3855945840977	-01.6023894	75867.5849272054	4327968.544474929	357.7994384799074	3405.006995073525	3315.816726984876	3319.508012383173	90.18952781247675
220	187	137860	-226401.1413	91.1515713170250766	39.38561034251906	-01.600056	76068.9626	432794.89	357.518217200615	3403.820626349754	3315.010951359828	3318.738767661	90.81600949
221	187	137861	-225741.1413	91.1515713170250766	39.38562578154796	-01.5977718	76269.704308495	432790.79256308	357.236936403222	3402.8418458312796	3314.0654305566477	3316.580808	90.8574512743913
222	187	137862	-225081.1413	91.1515713170250766	39.38564118260647	-01.5953789	76470.8127572517	432796.71961311	356.9158468403392	3401.4500976307607	3312.982780152727	3314.101346282256	90.7309611755314
223	187	137863	-224421.1413	91.1515713170250766	39.38565653164536	-01.5930541	76671.8942062467	432782.64161978	356.2110972735048	3400.250971582727	3311.7590223475495	3312.508320122741	90.4919491817746
224	187	137864	-223761.1413	91.1515713170250766	39.38567184255136	-01.5907203	76872.91701026495	432778.566214014	356.231373311604	3399.043681107111	3310.6036025082827	3310.46331851682819	90.751187041149
225	187	137865	-223101.1413	91.1515713170250766	39.38568710485928	-01.5883865	77072.0740765803	432774.491	355.84829484071	3397.827880717359	3308.2544517137335	3308.245247687494	90.830329
226	187	137866	-222441.1413	91.1515713170250766	39.38570222069876	-01.586027	77275.1239477981	432770.7416313398	355.635022684875	3396.63052064873	3306.22053086609	3305.2445858693	90.3825713786421
227	187	137867	-221781.1413	91.1515713170250766	39.38571842319526	-01.5837391	77480.05019763483	432763.138953962	355.671895648237	3395.703083952458	3304.7336358207	3304.036914973662	90.39297113342
228	187	137868	-221121.1413	91.1515713170250766	39.38573232129739	-01.581385	77677.2758477706	432762.267219531	354.73115602337	3394.128971954954	3305.3374420450737	3306.69240193078	90.7912590987177
229	187	137869	-220461.1413	91.1515713170250766	39.38574770328256	-01.5790512	77878.3516569459	432763.18297413	354.4639602400367	3392.87271745204	3303.550979661213	3305.120209719525	90.827290389178
230	187	137870	-219801.1413	91.1515713170250766	39.38576274018649	-01.5767174	78079.4271255068	432764.118929749	354.806784677397	3391.618380132753	3303.158273764337	3303.5167374362	90.1327341586157
231	187	137871	-219141.1413	91.1515713170250766	39.385777732010055	-01.5743836	78280.5027326681	432760.914508368	354.914375770247	3391.3529135250687	3309.175681641526	3308.2218733462	91.177231883425
232	187	137872	-218481.1413	91.1515713170250766	39.38579267852978	-01.5720497	78481.57740133407	432765.9414339865	354.8727226175757	3389.081447	3306.25062872318	3300.541404807427	92.8308187188822
233	187	137873	-217821.1413	91.1515713170250766	39.38580780415693	-01.5697187	78689.5221177182	432761.589029092	354.8710856498374	3388.043629170526	3305.4623698170526	3305.4623698170526	90.83929714298025
234	187	137874	-217161.1413	91.1515713170250766	39.3858233699484	-01.5673821	78883.729040017	432762.782478618	354.8540416577277	3387.095471772577	3305.5409165772577	3305.5409165772577	91.05585186
235	187	137875	-216501.1413	91.1515713170250766	39.385837344894701	-01.5650483	79084.8011784138	432763.751727256	355.5306965	3385.229352712419	3307.31885325332	3309.842039387076	90.3872594245586
236	187	137876	-215841.1413	91.1515713170250766	39.38585201491693	-01.5627144	79285.873551519	432769.678884291	355.6148417205668	3383.937284164894	3304.240150695294	3308.355925374883	90.6982735963999
237	187	137877	-215181.1413	91.1515713170250766	39.38586676255906	-01.5603806	79486.9482742223	432765.260624875	355.1689964543683	3382.6404179303253	3308.189424	3308.189424	90.62465132148552
238	187	137878	-214521.1413	91.1515713170250766	39.38588141251402	-01.5580468	79688.0229964305	432762.153810235	354.783114366802	3381.3377941911017	3307.814568991324	3307.814568991324	90.022252719777
239	187	137879	-213861.1413	91.1515713170250766	39.38589604391925	-01.555713	79889.09600138163	432763.9145745428	354.8029924081858	3380.02921408588	3306.251212746707	3305.80100500403	90.7785926852056
240	187	137880	-213201.1413	91.1515713170250766	39.3859102507957	-01.5533791	80090.169789493	432764.138953962	354.8710856498374	3381.7336358207	3304.7336358207	3304.7336358207	90.39297113342
241	187	137881	-212541.1413	91.1515713170250766	39.385925170802593	-01.5510453	80291.2426860336	432763.707160225	354.73115602337	3392.87271745204	3303.550979661213	3305.120209719525	90.827290389178
242	187	137882	-211881.1413	91.1515713170250766	39.3859366673732	-01.5487115	80492.35171594474	432764.26074311	354.806784677397	3391.618380132753	3303.158273764337	3303.5167374362	90.1327341586157
243	187	137883	-211221.1413	91.1515713170250766	39.38595412	-01.5463756	80693.388547223	432760.17465111	354.7453286952047	3390.74739306	3307.04628477853	3307.04628477853	90.123456624662
244	187	137884	-210561.1413	91.1515713170250766	39.38596862336307	-01.5440438	80894.06717746846	432766.10341021	354.731844814473	3393.359521622052	3307.0519020115203	3307.1692081693845	90.34101961053163
245	187	137885	-209901.1413	91.1515713170250766	39.38598288	-01.54171	81095.5330844134	432763.932378408	354.731844814473	3393.359521622052	3307.0519020115203	3307.1692081693845	90.34101961053163
246	187	137886	-209241.1413	91.1515713170250766	39.38599719967198	-01.5393761	81296.0657644474	432763.9145745428	354.8029924081858	3380.02921408588	3306.251212746707	3305.80100500403	90.7785926852056
247	187	137887	-208581.1413	91.1515713170250766	39.3860149677047	-01.536986	81496.1029946553	432764.138953962	354.8710856498374	3381.7336358207	3304.7336358207	3304.7336358207	90.39297113342
248	187	137888	-207921.1413	91.1515713170250766	39.38602550548474	-01.5347084	81698.7484121266	432763.9145745428	354.8029924081858	3380.02921408588	3306.251212746707	3305.80100500403	90.7785926852056
249	187	137889	-207261.1413	91.1515713170250766	39.3860396701551	-01.5323746	81899.8197578956	432763.707160225	354.73115602337	3392.87271745204	3303.550979661213	3305.120209719525	90.827290389178
250	187	137890	-206601.1413	91.1515713170250766	39.38605401	-01.5300408	82100.890887783	432763.707160225	354.73115602337	3392.87271745204	3303.550979661213	3305.120209719525	90.827290389178
251	187	137891	-205941.1413	91.1515713170250766	39.386068101505494	-01.5277609	82301.961805091	432763.9145745428	354.8029924081858	3380.02921408588	3306.251212746707	3305.80100500403	90.7785926852056
252	187	137892	-205281.1413	91.1515713170250766	39.38608214662859	-01.5253731	82503.03260597185	432763.9145745428	354.8029924081858	3380.02921408588	3306.251212746707	3305.80100500403	90.7785926852056
253	187	137893											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
331	187	137971	-153141.1413	915157.3170250766	39.38704925248509	-101.340997	39886.95829230146	426323.63.675	3346.435750338568	3256.9506101684296	3150.85418	3150.7012164513712	106.09642967201944	106.24393371705841
332	187	137972	-152481.1413	915157.3170250766	39.38705969102901	-101.339631	39888.0124404725	426329.36.93517	3345.67592951375	3255.66823726271	3150.501007	3156.2779164077147	106.17427417079114	99.3903371933341
333	187	137973	-151921.1413	915157.3170250766	39.38707038446981	-101.338329	39879.0645929267	426329.36.93517	3344.78456711706	3254.2671489327103	3154.4854543726	3156.174890048712	99.1903632826324	99.1903632826324
334	187	137974	-151161.1413	915157.3170250766	39.38708043286744	-101.339631	39890.1200857675	426331.53.1479106	3343.051781882745	3253.0479832594275	3152.038934537903	3152.038934537903	101.008635133966	100.6833415050466
335	187	137975	-150501.1413	915157.3170250766	39.3870900736161895	-101.331614	39911.1739045194	426327.24.6139821	3343.261829244186	3251.71070858	3150.260423381124	3150.260423381124	101.453043486776603	101.3376644502655
336	187	137976	-149841.1413	915157.3170250766	39.38710096437314	-101.329324	39932.2273313305	426323.40.0881737	3342.414278279406	3250.3572193834584	3148.78888370461	3148.7248006587395	101.65441329789058	101.65441329789058
337	187	137977	-149181.1413	915157.3170250766	39.38711120759119	-101.326935	39993.280661214	426329.36.9308848	3342.68513663413695	3248.988336904696	3147.468515266339	3147.3490925959164	101.51821124111042	101.51821124111042
338	187	137978	-148521.1413	915157.3170250766	39.38712157545995	-101.324659	39974.2335437686	426331.53.3056913	3342.91704998949	3247.605811786519	3146.5214548916106	3146.410131778538	101.08435890490502	101.19568007891808
339	187	137979	-147861.1413	915157.3170250766	39.38713146897076	-101.322357	39995.368431028	426331.53.3056913	3342.91704998949	3246.2111594131796	3146.584959448497	3146.344221697868	99.86988773352693	99.86988773352693
340	187	137980	-147201.1413	915157.3170250766	39.38714157336583	-101.319919	39916.4091374614	426307.19.5004204	3342.324025055122	3244.805462454717	3146.794036921037	3146.905807103577	90.02194824255073	97.89613374179474
341	187	137981	-146541.1413	915157.3170250766	39.38715160918079	-101.317679	39037.945155883	426300.31.721067	3342.2082653108197	3243.390280040738	3147.588631882964	3147.85421202803	95.8021881177418	95.5383880188778
342	187	137982	-145891.1413	915157.3170250766	39.38716159689247	-101.315324	39058.5476392177	426229.09.06	3318.0744616681172	3241.966767382321	3144.960119503809	3146.277422995196	96.0606478751201	95.68928438717237
343	187	137983	-145221.1413	915157.3170250766	39.38717154	-101.312901	39079.59816584	426224.05.0473138	3315.525596569595	3240.531983558046	3143.944931897184	3144.112006519586	95.8826645862084	96.41227177380465
344	187	137984	-144561.1413	915157.3170250766	39.3871814706579	-101.310652	39100.646737607	426224.05.0473138	3313.5218539043473	3239.094162062662	3142.014385980401	3142.32692685816	97.0800302984008	96.7548924008008
345	187	137985	-143901.1413	915157.3170250766	39.38719128952743	-101.308322	39121.6993559697	426229.36.9308848	3308.54694969525	3237.64949305252	3140.437085248347	3140.931710130498	97.2129593690478	97.1889697220613
346	187	137986	-143241.1413	915157.3170250766	39.38720106905635	-101.305983	39142.7508235506	426229.36.9308848	3306.54694969525	3236.202960191483	3138.050453544897	3139.05933719485	97.152510645892	96.506572306327
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348	187	137988	-141921.1413	915157.3170250766	39.38722054761186	-101.301205	39180.8543151534	426224.79.9007008	3301.528093741174	3233.30532851133	3136.554928183578	3137.4842013065728	96.75048015153496	95.821106215045
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355	187	137995	-137301.1413	915157.3170250766	39.38728733	-101.284831	39312.20587177721	426224.48.9320525	3291.282768005225	3223.19957068035	3128.735769033085	3131.3762212474274	94.84620014728904	91.82274943290258
356	187	137996	-136641.1413	915157.3170250766	39.387296691097525	-101.282649	39314.25478607255	426224.39.0504234	3292.0774558586	3221.760961811114	3127.757983976109	3130.469873328933	94.0029778300251	91.2910848511305
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359	187	137999	-134661.1413	915157.3170250766	39.38732446922915	-101.275474	39316.4027118832	426229.36.935477	3293.667107395013	3218.89208916237	3126.18892140507	3130.502723161407	92.7038989	89.3857819920288
360	187	138000	-134001.1413	915157.3170250766	39.38733367	-101.273315	39317.4209911298	426224.39.0504234	3294.67180364738	3216.01839797153	3124.7126645445	3128.412851457703	91.7393911556044	87.622477614424
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363	187	138003	-132021.1413	915157.3170250766	39.38736030455937	-101.266317	39320.5906969255	426214.05.024004	3267.999273507555	3211.78738911317	3123.73789347939	3129.310821707792	89.40599977	82.4765450339787
364	187	138004	-131361.1413	915157.3170250766	39.38736992043351	-101.263978	39321.6440801813	426210.10.203676	3265.96548873847	3210.378711669827	3124.1523831520485	3128.643043	86.263383284621	81.735683284621
365	187	138005	-130701.1413	915157.3170250766	39.38737881722392	-101.2616438	39322.6916794955	426220.59.9684871	3263.931689227341	3208.927354309316	3123.99999996975	3127.901774684967	83.972444645603	81.4771168996435
366	187	138006	-130041.1413	915157.3170250766	39.38738776352574	-101.259399	39323.738497339	426229.36.935477	3262.9179071411	3207.5672652829	3123.74222183256	3126.721671311723	81.842473190383	80.8452911358307
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369	187	138009	-128061.1413	915157.3170250766	39.3874142354788	-101.252302	39326.8611690785	426218.10.681617	3259.685002735235	3203.29991843238	3128.118150714914	3128.455271891875	75.1748413	74.8377445450031
370	187	138010	-127401.1413	915157.3170250766	39.38742234891938	-101.249972	39327.9281055875	426218.10.681617	3258.60259843243	3201.818352713186	3127.3121449217505	3132.740401	69.696035	69.0779670986611
371	187	138011	-126741.1413	915157.3170250766	39.3874316290705	-101.247603	39328.974671151	426218.10.681617	3257.58927788825	3200.2891691131	3126.1523734466783	3135.939946600504	65.156925722578	64.32473979
372	187	138012	-126081.1413	915157.3170250766	39.387440264108	-101.245304	39329.0670213857	426217.41.693709	3256.640194020848	3200.659791308114	3124.129746640617	3127.789664546017	65.01502467	65.01502467
373	187	138013	-125421.1413	915157.3170250766	39.38744911893831	-101.243044	39330.1684158331	426217.41.693709	3255.640194020848	3200.659791308114	3124.129746640617	3127.789664546017	65.01502467	65.01502467
374	187	138014	-124761.1413	915157.3170250766	39.387457399571154	-101.240635	39331.2703211364	426218.10.681617	3254.621651025486	3194.824793093834	3121.3613212129944	3125.7319217239549	73.46342671914505	73.46342671914505
375	187	138015	-124101.1413	915157.3170250766	39.38746588952331	-101.238304	39332.3159503005	426218.10.681617	3253.					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEvLogsKrg.	BRIEvBothKrg.	SatHtLogs.	SatHtBoth.
457	187	138097	-69981.14133	915157.13720520766	-38.38800947372315	-101.0469207	327138.2992831783	4361834.497512371	3002.0540359315705	3011.94468683128	2899.1941779161425	2897.7956134578165	112.75069027198539	114.14395519031143
458	187	138098	-69932.14133	915157.13720520766	-38.38801423166779	-101.0448667	323918.5320004562	4361830.48904971095	3160.672417672364	3010.8086277942407	2899.75846259997	2897.4367274830192	113.7497452043106	113.7497452043106
459	187	138099	-69861.14133	915157.13720520766	-38.38801984526665	-101.042257	324130.36145787468	4361827.215787959	3163.6125713814628	3009.623619482514	2899.7234718274877	2890.92312471828166	108.7330219816891	97.82982646857863
460	187	138100	-69800.14133	915157.13720520766	-38.38802321296195	-101.0399188	324321.3916	4361822.412662716	3164.5599275688345	3008.50472597723	2912.1705429775587	2911.2363721496126	96.9667266126248	97.30304348922189
461	187	138101	-69743.14133	915157.13720520766	-38.38802823486174	-101.0375848	324522.422	4361818.38504667	3166.507323388716	3007.410053318279	2921.819994558234	2923.091411644786	85.99005876004494	84.76186417634295
462	187	138102	-69681.14133	915157.13720520766	-38.3880321258321	-101.0352508	324723.452257624	4361814.35426109	3168.45463941133	3006.281784023276	2921.875213406539	2922.533766759884	84.64507062	83.7480172639133
463	187	138103	-69621.14133	915157.13720520766	-38.388037345097906	-101.0329169	324924.4823126984	4361810.30006832	3169.932623484354	3005.1547155882276	2920.81013922679	2920.304179	85.1411962554884	84.760398197757
464	187	138104	-69561.14133	915157.13720520766	-38.3880418325284	-101.0309829	325125.512017814	4361806.302786724	3170.141265409428	3002.0474855992607	2917.581412890349	2917.6375595652607	86.44607271891164	86.38992494999998
465	187	138105	-69501.14133	915157.13720520766	-38.388046274874036	-101.0289489	325326.541920157	4361802.215795781	3172.948997744022	3002.958619482514	2914.9346657392578	2917.6375595652607	87.86292659895878	87.86292659895878
466	187	138106	-69441.14133	915157.13720520766	-38.38805021734622	-101.025915	325527.57148620985	4361798.248403937	3175.958533361143	3001.7620704256967	2911.864050687945	2911.840112177205	89.8977974	89.921453094474
467	187	138107	-69381.14133	915157.13720520766	-38.38805504210134	-101.023581	325728.6008459604	4361794.223213551	3177.566919940616	3000.622349372513	2908.323939378256	2908.190656185668	92.3431271265252	92.3431271265252
468	187	138108	-69321.14133	915157.13720520766	-38.3880593140061	-101.021247	325929.63005368784	4361790.195897853	3177.705660082027	2999.473624187346	2906.1685015851035	2906.005874343422	93.047147508	93.047147508
469	187	138109	-69261.14133	915157.13720520766	-38.38806359340605	-101.0189131	326130.6590915843	4361786.17	3168.983213419437	2998.3266894042126	2906.521706512548	2906.429319589477	91.8048628166462	91.88276984373564
470	187	138110	-69201.14133	915157.13720520766	-38.38806781023646	-101.0165791	326331.687996922	4361782.13484234	3167.191360158447	2997.1869196723667	2907.6850166031495	2907.30229657927	89.4840026921724	89.4840026921724
471	187	138111	-69141.14133	915157.13720520766	-38.38807198216776	-101.0142451	326532.7166897218	4361778.171822098	3166.117252358492	2996.006842072034	2907.630449076583	2907.696526082892	88.37619259949578	88.37619259949578
472	187	138112	-69081.14133	915157.13720520766	-38.38807610891205	-101.011912	326733.7451882303	4361774.09219509	3165.7040892178371	2994.836403335564	2906.479381451135	2906.400628045177	88.42890952	88.395922503867
473	187	138113	-69021.14133	915157.13720520766	-38.38808019577234	-101.009572	326934.77354910447	4361770.0667137	3165.4040321782505	2993.6621616376565	2904.67581235522	2904.6631916230212	88.9897001463325	88.9897001463325
474	187	138114	-68961.14133	915157.13720520766	-38.38808422715734	-101.0072432	327135.8017405783	4361766.04133284	3165.048171638129	2992.843740479778	2902.6880092570655	2902.67732229627	89.795712229627	89.795712229627
475	187	138115	-68901.14133	915157.13720520766	-38.388088218652324	-101.004903	327336.8297641071	4361762.01650834	3164.6862787186963	2991.300811926222	2899.774552398114	2899.6150425115	91.5262566009176	91.685769148679
476	187	138116	-68841.14133	915157.13720520766	-38.38809216506229	-101.0025735	327537.8517869544	4361757.69177645	3164.518851	2990.1129293393523	2895.89423216862	2895.648143396015	94.2170613169115	94.6811550435195
477	187	138117	-68781.14133	915157.13720520766	-38.3880960638708	-101.0002413	327738.8850636895	4361753.97046218	3170.9514236270716	2988.91943097683	2895.9057375646823	2895.6532136073268	93.0105055011262	92.93600300245677
478	187	138118	-68721.14133	915157.13720520766	-38.38809995262678	-100.9979073	327939.9128243259	4361749.26413549	3172.91769055739	2987.79169055739	2895.142426710346	2895.795376929175	92.5764273973424	92.5764273973424
479	187	138119	-68661.14133	915157.13720520766	-38.38810417804162	-100.9955217	328140.2406312537	4361745.91890128	3175.945019259877	2986.6232598774812	2894.92312471828166	2894.92312471828166	94.0767354	94.0767354
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481	187	138121	-68541.14133	915157.13720520766	-38.38811120835114	-100.9909054	328542.9643745926	4361737.87051913	3167.410740317325	2984.076111860332	2889.741037092225	2889.665173693444	94.33507477	94.1038718098747
482	187	138122	-68481.14133	915157.13720520766	-38.38811488673428	-100.9885714	328744.012223424	4361733.84687376	3164.534923512663	2982.845915731455	2888.4485436902132	2888.52416373624	94.3974478823924	94.3212703949313
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484	187	138124	-68361.14133	915157.13720520766	-38.38812211327715	-100.9839305	329146.074042259	4361725.90017943	3158.71122461134	2980.39548598204	2885.652381114216	2885.702376917404	94.6576737140432	94.6576737140432
485	187	138125	-68301.14133	915157.13720520766	-38.38812630158976	-100.9815698	329347.2406312537	4361721.757158532	3156.784501333635	2979.100832	2884.92312471828166	2884.92312471828166	94.686883164355	94.686883164355
486	187	138126	-68241.14133	915157.13720520766	-38.38812914847937	-100.979256	329548.1269512556	4361717.754	3154.89126516638	2977.830778974534	2883.75018187008	2883.75018187008	93.861198974134	93.861198974134
487	187	138127	-68181.14133	915157.13720520766	-38.38813259955724	-100.9769016	329749.15269737605	4361713.71676622	3150.0628531456	2976.548896743264	2883.581788919404	2883.39224505703	92.97701715492236	93.15665101682362
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489	187	138129	-68061.14133	915157.13720520766	-38.3881393664381	-100.9722336	330151.20450203074	4361705.6889074	3145.123970274525	2973.342029828255	2882.629251434187	2882.539502117	91.31284163950659	91.3814277
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491	187	138131	-67941.14133	915157.13720520766	-38.3881459909424	-100.9675677	330553.2553746198	4361700.64310056	3140.024962761713	2971.26556210065	2879.85185819966	2878.885281965922	92.370391019582	92.370391019582
492	187	138132	-67881.14133	915157.13720520766	-38.38814917604162	-100.9652317	330754.2060312537	4361693.62145306	3137.944672724646	2969.92101733305	2878.92312471828166	2878.92312471828166	94.7076735	94.7076735
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494	187	138134	-67761.14133	915157.13720520766	-38.38815549088071	-100.9605638	331156.3304457209	4361685.57573615	3131.999012567258	2967.11238959454	2868.5875784180257	2868.468538384974	95.8248011742821	95.8248011742821
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497	187	138137	-67581.14133	915157.13720520766	-38.38816480610012	-100.9536918	331759.404304062	4361673.150240392	3124.4851400133054	2962.804601615686	2858.593941043964	2858.4764433926284	94.2653197262236	94.2653197262236
498	187	138138	-67521.14133	915157.13720520766	-38.38816797953612	-100.9513227	331940.482381213	4361669.4571193	3113.6059172466495	2961.345404095804	2855.914934720349	2855.914934720349	90.5340909700406	90.5340909700406
499	187	138139	-67461.14133	915157.13720520766	-38.38817115838137	-100.948975	332140.2406312537	4361665.91890128	3110.745019259877	2959.82312471828166	2854.92312471828166	2854.92312471828166	94.7076735	94.7076735
500	187	138140	-67401.14133	915157.13720520766	-38.3881743335234	-100.9465599	332342.475122196	4361661.554414265	3108.974141	2958.427303575	2851.500711257483	2851.500711257483	90.9340277006094	90.9340277006094

ix	iy	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRIElevLogKrg.f	BRIElevBotKrg.f	SatHtLogK.f	SatHtBotH.f
583	187	138223	13178.85867303351	915157.3170250766	-00.7528395	349046.9084137271	4361328.4832698675	2967.85323966317	179.1794167840483	2753.29774452575906	2746.5218027358517	72.65461403019663	72.65461403019663
584	187	138224	13838.85867303351	915157.3170250766	-00.7505035	349247.9152903313	4361324.479889448	2996.395254600648	187.1645391681546	2752.1539471118017	2745.61515672053788	71.54869266	71.54869266
585	187	138225	14486.85867303351	915157.3170250766	-00.7481716	349654.9304209112	4361320.4767307178	2984.93518094893	185.14956283725266	2756.7387684915491	2744.960285695222	70.19844410030356	70.19844410030356
586	187	138226	15158.85867303351	915157.3170250766	-00.7458376	349649.9406059401	4361316.473290345	2963.4679302046008	183.1305121095957	2749.075155570084	2743.323212	64.050465520625	68.8081970000576
587	187	138227	15818.85867303351	915157.3170250766	-00.7435036	349850.95104482106	4361318.470337404	2992.310424886205	181.106512543837	2746.9725064403938	2742.3732002032507	64.1340061030443	68.7331204205861
588	187	138228	16478.85867303351	915157.3170250766	-00.7411696	350051.9614388106	4361312.4708374174	2991.641133685196	2809.0775223562982	2744.486325662414	2740.5541914859327	64.5919610240245	68.52333087
589	187	138229	17138.85867303351	915157.3170250766	-00.7388356	350252.9718971904	4361304.466	2990.611961854344	2807.043729159187	2741.6078353172015	2738.333994080351	65.4358934819312	68.7907307882845
590	187	138230	17798.85867303351	915157.3170250766	-00.7365917	350453.9815905565	4361302.463765745	2989.762730430448	2805.046931505995	2738.6035043666455	2735.50736014142	66.488896938396	69.497371365744
591	187	138231	18498.85867303351	915157.3170250766	-00.7341677	350654.99144830136	4361298.462	2988.93518094893	2802.969656	2736.342687347553	2734.73696253689	66.1826873233485	70.1645882768132
592	187	138232	19118.85867303351	915157.3170250766	-00.7318337	350856.011634575	4361292.459576702	2985.90434848338	2800.912739789398	2734.35826428621	2731.033259117724	65.6541155	69.8791026662557
593	187	138233	19778.85867303351	915157.3170250766	-00.7294987	351057.0107332074	4361288.458379302	2983.6151813692	2798.8610714652526	2732.845800655203	2728.8834249606573	66.01533740003237	69.9775205495212
594	187	138234	20438.85867303351	915157.3170250766	-00.7271657	351258.0201589275	4361284.456977902	2981.32593853504	2796.80882370022	2730.9968148345325	2724.6203418553003	67.00540179427192	70.10051491472192
595	187	138235	21098.85867303351	915157.3170250766	-00.7248318	351459.02944045205	4361280.455777802	2798.9602881099887	2794.769836503171	2729.1532291826545	2722.686036765486	65.60370200626232	70.048720662232
596	187	138236	21758.85867303351	915157.3170250766	-00.7224978	351660.0384196628	4361276.454775489	2978.51920400745	2792.7063796874515	2727.424211374705	2720.36795687295	65.2829673	70.100711514
597	187	138237	22418.85867303351	915157.3170250766	-00.7201638	351861.0475726028	4361272.459390314	2976.027177008996	2790.688122353956	2725.5242679	2718.251475999251	71.40664396854268	71.40664396854268
598	187	138238	23078.85867303351	915157.3170250766	-00.7178298	352062.054225403	4361268.453383179	2971.633435006483	2788.613031876453	2723.53680230269	2716.43148898468	72.9815246939719	72.9815246939719
599	187	138239	23738.85867303351	915157.3170250766	-00.7154568	352263.0651313248	4361264.45206466	2968.95485186387	2786.971804820296	2721.947548919296	2715.75269499964	70.04734500873478	70.04734500873478
600	187	138240	24398.85867303351	915157.3170250766	-00.7131619	352464.0736613616	4361260.452472972	2966.039313280703	2784.534893596917	2719.4406192034035	2711.02459561362	70.1819303206569	70.1819303206569
601	187	138241	25058.85867303351	915157.3170250766	-00.7108279	352665.0821182596	4361256.45279887	2963.10746279033	2782.502392227368	2717.238242877309	2708.125101704566	65.26149348884	74.3772946801487
602	187	138242	25718.85867303351	915157.3170250766	-00.7084393	352866.0903978203	4361252.452914045	2960.17865276934	2780.47388576528	2715.2875950413782	2705.330528733456	65.1826353149674	74.9433604873058
603	187	138243	26378.85867303351	915157.3170250766	-00.7061599	353067.0985305482	4361250.453297709	2958.55468174925	2778.4564326103718	2713.906300504743	2701.96938069335	65.64089109827412	76.74679540963939
604	187	138244	27038.85867303351	915157.3170250766	-00.7038251	353268.1063015096	4361244.454	2956.217844	2776.413817487816	2712.839620744676	2699.2325710431747	66.0496176240397	77.181371365744
605	187	138245	27698.85867303351	915157.3170250766	-00.7014492	353469.1144583321	4361240.454657454	2954.24780578951	2774.870247871829	2711.806487383452	2698.225017144328	65.699842959269	78.154545454
606	187	138246	28358.85867303351	915157.3170250766	-00.6991158	353670.122094757	4361236.455462933	2952.54730420576	2772.31869040189	2705.389190529823	2699.05245058154	65.9250811030595	73.2334453203514
607	187	138247	29018.85867303351	915157.3170250766	-00.696824	353871.1296647509	4361232.45809077	2950.5239760474	2770.28411068493	2702.759969976533	2701.6035621368967	67.8487109196034	68.64457800450649
608	187	138248	29678.85867303351	915157.3170250766	-00.69449	354072.137093396	4361228.45818115	2950.252057798129	2768.158015601407	2700.094734985378	2702.265682015	65.06328062	67.932373990177
609	187	138249	30338.85867303351	915157.3170250766	-00.692156	354273.1443809463	4361224.459752482	2958.11639552515	2766.04854545159	2697.742252325273	2703.852454391616	66.1963010999746	70.1963010999746
610	187	138250	30998.85867303351	915157.3170250766	-00.689821	354474.1515275992	4361220.461552798	2958.412821306301	2763.923149738638	2696.43053822277	2703.953515872644	64.48926115310768	70.969790909139436
611	187	138251	31658.85867303351	915157.3170250766	-00.687487	354675.16423615	4361216.46255048	2956.2653689711	2761.7872614171829	2695.476547895663	2698.27975748172994	65.1645441872994	71.54869266
612	187	138252	32318.85867303351	915157.3170250766	-00.6851141	354876.1653903724	4361212.46562048	2954.12124619307	2759.641514512907	2695.451461541207	2695.451461541207	65.251933790305	72.521933790305
613	187	138253	32978.85867303351	915157.3170250766	-00.6828201	355077.1721232363	4361208.460413489	2957.230332116962	2757.50585962167	2698.64487280165	2706.1327506098996	67.6811258199693	75.137052526221
614	187	138254	33638.85867303351	915157.3170250766	-00.6804861	355278.1787093545	4361204.470574268	2955.1861162307	2755.36891829647	2698.440944901761	2705.4808869049376	67.92887339	76.49889139314969
615	187	138255	34398.85867303351	915157.3170250766	-00.6781522	355479.1851456018	4361200.47332749	2955.12395	2753.12637917213926	2697.7376230308932	2699.548386576955	65.4907140094931	53.68271054437626
616	187	138256	34998.85867303351	915157.3170250766	-00.6758182	355680.1914601516	4361196.476	2952.49839224674	2751.0385731720834	2697.090911269719	2699.2057126691176	51.90776126961176	51.90776126961176
617	187	138257	35618.85867303351	915157.3170250766	-00.6734843	355881.1976	4361192.478	2948.87411681553173	2748.967020787006	2696.4943719112284	2697.734931663863	62.49264867357764	65.232627121978
618	187	138258	36278.85867303351	915157.3170250766	-00.6711502	356082.203	4361188.483	2946.11845780591	2746.870261174438	2695.225017144328	2695.225017144328	61.025303389338	61.025303389338
619	187	138259	36938.85867303351	915157.3170250766	-00.6688123	356283.20954101277	4361184.48343931	2944.8471430932567	2744.787778509	2695.02869847767	2698.526584528293	53.70079374151956	55.2126270087984
620	187	138260	37598.85867303351	915157.3170250766	-00.6664823	356484.2152389955	4361180.49091356	2942.354749659002	2742.654899	2694.034107428734	2697.344775682079	55.310122690135842	55.310122690135842
621	187	138261	38258.85867303351	915157.3170250766	-00.6641483	356685.2209003309	4361176.49403614	2940.366584574916	2740.561208789136	2692.963360516306	2696.749623023233	53.8475722500304	53.8475722500304
622	187	138262	38918.85867303351	915157.3170250766	-00.6618143	356886.2263273064	4361172.498179698	2938.133837219975	2738.1826551671979	2691.82655670475	2698.6587824	55.6510260968385	52.6183037774049
623	187	138263	39578.85867303351	915157.3170250766	-00.6594803	357087.2379192185	4361168.50250592	2936.5660596444	2736.417098154038	2690.67577671592	2693.095269459878	55.76431828471766	53.7327440475984
624	187	138264	40238.85867303351	915157.3170250766	-00.6571484	357288.23899156045	4361164.507	2935.6471320873993	2734.374096579564	2697.56435215108	2697.81906062889	55.4407641324853	55.4407641324853
625	187	138265	40898.85867303351	915157.3170250766	-00.6548192	357489.239992	4361160.51795809	2933.7145849471824	2732.439873825447	2696.43053822277	2696.43053822277	55.4407641324853	55.4407641324853
626	187	138266	41558.85867303351	915157.3170250766	-00.6524784	357690.2489	4361156.51795809	2931.8311981026309	2730.363968777657	2697.367438315994	2695.039323630484	51.99891294119628	51.99891294119628
627	187	138267	42218.85867303351	915157.3170250766	-00.6501444	357891.2516624304	4361152.51862182	2929.1523345619	2728.4030151447037	2676.2043641426512	2681.910703	52.1986510205243	46.49294196643372
628	187	138268	42878.85867303351	915157.3170250766	-00.6478105	358092.2560303884	4361148.52719029	2927.950316764034	2726.47646418567	2674.938981524171	2684.674605012387	51.57342829	41.8071779324041
629	187	138269	43538.85867303351	915157.3170250766	-00.6454765	358293.2680166488	4361144.532719642	2924.348499176482	2724.5654990564415	2673.01596821607	2683.528853309683	51.27940414334654	41.06147167143235
630													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVEKgr.f	BRIEVBokth.f	SatThkLog.f	SatThkBot.f
708	137	13834	96338.85867307335	915157.3170250766	39.3877268205703	-100.4587593	374373.1959940832	436028.26515	2784.810189	26.3113302	2541.3350893548363	2551.3631368389756	61.77821289634353	51.74998532024254
709	137	13835	96988.85867307335	915157.3170250766	39.387776004730428	-100.4564253	374574.1906905745	436028.316	2781.568857350542	26.0216772266203	2540.529175979922	2556.701893120246	61.4870269106332436	45.314885106332436
710	137	13836	97638.85867307335	915157.3170250766	39.38776936161784	-100.4549414	374775.194690689	436028.371428	2778.300497192347	25.982382642938	2539.687184087414	2561.871076347	61.35754448180599	45.54857784650225
712	137	13832	98185.85867307335	915157.3170250766	39.3877662423675	-100.4515754	374976.1779123038	436031.68003981	2769.2466732254	25.9984890373114	2538.92459354176	2555.410642129465	60.4332617731756	44.1326167074461
713	137	13834	98978.85867307335	915157.3170250766	39.38775592364356	-100.4494235	375177.17145622817	436089.702141628	2762.116297364292	25.9877920816276	2538.384525028073	2552.810823670831	60.3884683134682	45.86309714544954
714	137	13834	99638.85867307335	915157.3170250766	39.387749139779004	-100.4470895	375378.165258536	436085.72446595	2754.9822670744527	25.9773021307123	2537.896029064365	2550.32686827828	60.9076914173276	47.3770236923514
715	137	13835	100298.85867307335	915157.3170250766	39.3877421082999	-100.4447556	375759.15875258754	436081.746848225	2751.319529139595	25.95663469160327	2537.548746511533	2547.1576285703	60.88477286879417	49.4875261756834
716	137	13836	100958.85867307335	915157.3170250766	39.38773544	-100.4424216	375780.1227232323	436077.76964547	2751.1261071278795	25.95675254083477	2537.02325892428	2547.043266409035	60.8817790919574	52.14043692942504
717	137	13837	101638.85867307335	915157.3170250766	39.38772851767521	-100.4406877	375881.14548321797	436073.792541375	2749.628366255564	25.945111963487414	2536.80138741140263	2540.074108674122	60.709869630771515	54.4368577561926
718	137	13836	102278.85867307335	915157.3170250766	39.38771553472886	-100.4377337	376182.13862035837	436079.851354243	2750.730290412309	25.9324497432400474	2535.8732130769417	2536.95303892899	57.576303112983176	56.49621234707525
719	137	13834	102938.85867307335	915157.3170250766	39.3877145418619	-100.4354198	376383.1316385984	436078.838204071	2748.9782069023649	25.9334877051331	2534.3195460383477	2534.567256832147	57.63031012983176	57.8374847450304
720	137	13830	103598.85867307335	915157.3170250766	39.38770746981508	-100.4330859	376584.124539201	436071.861401043	2745.645313259193	25.913122580046893	2532.3265090672267	2532.3341511165763	58.8866483746263	58.107688811259
721	137	13831	104258.85867307335	915157.3170250766	39.387770309	-100.4307519	376785.1173213528	436077.88604553	2743.2038554736404	25.9002363490440	2530.228670104314	2530.9788988929886	60.1236589729886	60.1377688411579
722	137	13832	104918.85867307335	915157.3170250766	39.3876934581978	-100.428418	376986.109855271	436073.90995196	2738.992180166124	25.879334508278	2530.95658016112	2527.6229981735883	61.2476749216619	61.5303363467976
723	137	13863	10558.85867307335	915157.3170250766	39.38768666	-100.426084	377187.10253204184	436079.934052757	2736.990776912324	25.88605125851621	2524.587818185537	2523.62745743987	64.38144400327612	64.2413809893217
724	137	13864	106238.85867307335	915157.3170250766	39.3876788214879	-100.4237501	377288.0949610957	436079.934052757	2735.261609917301	25.88670985	2522.465101003438	2521.467565759946	64.5057626	65.50329874496138
725	137	13865	106898.85867307335	915157.3170250766	39.3876715168428	-100.421461	377589.0872726664	436071.98279805	2733.884176113584	25.885.8704117300613	2528.726124564374	2526.800489291743	64.1442871605891	69.0909430908701
726	137	13866	107558.85867307335	915157.3170250766	39.38766241681713	-100.4190822	377907.0796472172	436075.8007	2732.506623504515	25.884.76315669895	2527.448037118029	2527.7474494004713	64.31556395164358	67.0156707296218
727	137	13867	108218.85867307335	915157.3170250766	39.3876564865571	-100.4167482	377991.0751448671	436075.4323232023	2731.80124113811	25.883.66073483563	2526.836928773705	2527.129883	66.81344571	66.520491624132774
728	137	13868	108878.85867307335	915157.3170250766	39.3876413811003	-100.4144143	378192.0635	436075.0507	2731.76796233845	25.882.53102781874	2525.960846259643	2526.17730212759303	66.53564805239	66.53564805239
729	137	13869	109538.85867307335	915157.3170250766	39.387641971680075	-100.412084	378393.0555028275	436076.08252941	2731.73468299979	25.881.40342988582	2525.03883375635	2525.2539771052954	66.3640041294741	66.16392588332292
730	137	13870	110158.85867307335	915157.3170250766	39.3876444659583	-100.409474	378594.074784594	436072.168108585	2731.70136829979	25.880.269017531283	2524.045149864141	2524.155251020524	66.22368387241964	66.11448925
731	137	13871	110818.85867307335	915157.3170250766	39.3876396167474	-100.406192	378800.6905899123	436073.1378181494	2731.671594	25.874.30395858	2523.16717038129237	2523.847046916194	66.2982704	66.2982704
732	137	13872	11158.85867307335	915157.3170250766	39.3876193078475	-100.4050785	378966.0301867555	436073.4159016716	2726.61454988153	25.877.9811836992	2521.62696163109	2521.62861079888	65.352135288265	65.3521361
733	137	13873	112178.85867307335	915157.3170250766	39.38761128037149	-100.4027446	379197.0216	436073.185865976	2727.2342545650812	25.876.80111446323	2520.525142589752	2520.47102471829	65.350888847249386	65.350888847249386
734	137	13874	112838.85867307335	915157.3170250766	39.38760394766835	-100.4004106	379398.0128324079	436072.21190057	2719.854055	25.875.677032500348	2519.5427454760997	2519.63208438775	65.1342879245838	66.35637061570594
735	137	13875	113498.85867307335	915157.3170250766	39.3876026413161	-100.3980767	379599.00382296	436073.2389149	2717.824086623175	25.874.5209864211	2518.504097624956	2518.1112420003675	65.4097436417973	65.4097436417973
736	137	13876	114158.85867307335	915157.3170250766	39.38758848412234	-100.3957428	379799.9591696917	4360718.26497644	2717.714346809405	25.873.3680347617	2517.3501048525205	2516.812688588364	65.0137518950954	65.551174459253616
737	137	13877	114818.85867307335	915157.3170250766	39.3875806760689	-100.3930749	379998.9584094227	436071.821818129	2717.42555524924	25.872.2606937389	2516.35776972338	2516.35776972338	65.0567681542776	65.0567681542776
738	137	13878	115478.85867307335	915157.3170250766	39.3875731712984	-100.3910479	380021.97621471983	436071.35484967	2717.2013548790	25.871.403485812063	2515.4448987903	2515.4448987903	65.3985975253937	65.3985975253937
739	137	13879	116138.85867307335	915157.3170250766	39.38756489074922	-100.388741	380402.3674331002	436073.346067347	2715.921346971595	25.869.86627546056	2513.5504059894426	2512.435842620655	65.3464215520034	65.460084198919
740	137	13880	116788.85867307335	915157.3170250766	39.38756039406041	-100.386407	380603.958096041	436072.73491246	2713.621492121616	25.868.745145	2512.526136228663	2512.748077320893	65.21900856733674	65.57406712814041
1	138	13831	-370941.1431	915817.3170250766	39.382595063624025	-102.111642	232031.15347447252	4363893.65341381	3967.6648206116023	37.48.22552999954	3650.33259414871	3650.33259414871	97.89298849715	98.1987798276902
2	138	13832	-370281.1431	915817.3170250766	39.3829801134849	-102.1088307	232232.2839535477	4363893.53219267	3968.3511861119615	37.48.2001238524477	3649.3190071068793	3649.3190071068793	97.89298849715	97.89298849715
3	138	13833	-369621.1431	915817.3170250766	39.38300581299958	-102.1064971	232433.4141766495	4363893.41399976	3967.32791653051	37.47348952480863	3648.778490752863	3648.778490752863	97.5963654940147	97.5963654940147
4	138	13834	-368691.1431	915817.3170250766	39.3830209517627	-102.1041635	232534.5441256574	4363891.2031494	3970.615594	37.473.30395858	3647.7167038129237	3647.7167038129237	96.58292704	96.58292704
5	138	13835	-368301.1431	915817.3170250766	39.383056958344	-102.1018299	232658.6781736875	4363891.271088921	3973.92217232094	37.472.491116239454	3646.135684	3646.135684	96.58292704	96.58292704
6	138	13836	-367641.1431	915817.3170250766	39.3830122071545	-102.0994963	233036.8032041962	4363891.0356949	3977.189494399265	37.471.03577399146	3642.84895710698	3642.84895710698	96.1861868	96.5585979472916
7	138	13837	-366981.1431	915817.3170250766	39.3831030374146	-102.0971627	233237.3323827658	4363893.346039635	3977.7622849025565	37.473.57116126203	3642.82357720814	3642.82357720814	97.08752689704	97.08752689704
8	138	13838	-366321.1431	915817.3170250766	39.38313134569595	-102.0948291	233439.0162918156	4363894.816	3975.62077049071	37.473.0869555894376	3641.6312943162575	3641.6312943162575	96.46566127	96.7947262241017
9	138	13839	-365661.1431	915817.3170250766	39.383156354477	-102.0924955	233634.189921018	4363890.69663052	3973.472691954661	37.473.617031245401	3638.260125883098	3638.260125883098	97.89298849715	97.89298849715
10	138	13839	-365001.1431	915817.3170250766	39.38318130891036	-102.0901619	233841.3182690713	4363893.573430355	3971.3377613419235	37.473.18868676624	3637.3887548179043	3637.3887548179043	97.2993017625804	98.2996281490302
11	138	13839	-364361.1431	915817.3170250766	39.383197250766	-102.0874839	234043.5744627123	4363893.69249848	3973.472691954661	37.473.617031245401	3638.260125883098	3638.260125883098	97.2993017625804	98.2996281490302
12	138	13832	-363681.1431	915817.3170250766	39.383120256741	-102.0854497	234243.5744627123	4363893.41399976	3973.92217232094	37.472.491116239454	3646.135684	3646.135684	96.58292704</	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SurfThresh.f	SurfBoth.f
95	188	138475	-308901.1413	915817.3170250766	39.38513768812579	-101.8918006	250936.2859242823	4363507.228871816	3769.834781034444	3623.11501	3511.1201284987633	3523.4072812284235	11.99448810938766	99.7077238421656
96	188	138476	-308241.1413	915817.3170250766	39.38515676063975	-101.8894668	25137.39242353093	4363503.12584915	3770.27440492487	3621.105955154006	3510.284441188877	3515.59726962999	10.824413396512786	105.42175940100975
97	188	138477	-307681.1413	915817.3170250766	39.38517928994604	-101.8871331	251338.4981674328	4363498.026501196	3770.724101	3619.82711336096	3509.063443814058	3513.1678297134467	10.02377112285934	99.01838352664835
98	188	138478	-306921.1413	915817.3170250766	39.38520078676987	-101.8847994	251539.604438347	4363491.955617625	3771.1687065875725	3507.7214904240545	3509.515880467484	3509.515880467484	10.02377112285934	107.5350061477971
99	188	138479	-306261.1413	915817.3170250766	39.3852217	-101.8824657	251740.701250794	4363490.8243837225	3770.934037128277	3615.000436	3506.395876679121	3504.582136411703	10.60455914245904	110.41842218040983
100	188	138480	-305601.1413	915817.3170250766	39.3852426714421	-101.8801319	251941.81565071388	4363486.744589272	3770.01903212627	3612.937827	3505.1555736934233	3497.63206	10.78262513845267	115.304025308101
101	188	138481	-304941.1413	915817.3170250766	39.385263479715945	-101.8777982	252142.92075039358	4363482.614182866	3769.105823213763	3610.86548638494	3503.922315	3494.035411116928	10.78262513845267	116.8307351251667
102	188	138482	-304281.1413	915817.3170250766	39.38528428727107	-101.875465	252344.0205695944	4363478.524108987	3768.1716121431	3608.74593434634	3502.5197334605813	3498.5021232580813	10.2648400288207	110.28238119078287
103	188	138483	-303621.1413	915817.3170250766	39.38530504962716	-101.8731307	252545.1306995923	4363474.44237051	3768.988162451616	3506.99691726501	3500.923678986467	3500.923678986467	10.7222412440142	108.39845358964635
104	188	138484	-302961.1413	915817.3170250766	39.38532576596565	-101.870797	252746.23485115096	4363470.324567349	3762.4951619335657	3604.80111932291	3498.7589167303473	3500.4789507195657	10.4052518508733	104.12163033782224
105	188	138485	-302301.1413	915817.3170250766	39.38534643922841	-101.8684633	252947.33096172759	4363460.202599749	3760.0021614129655	3602.5002373830464	3496.5480797227638	3493.1324552262804	10.9521581152826	103.3678926
106	188	138486	-301641.1413	915817.3170250766	39.3853706641272	-101.8661295	253148.4032080092	4363462.125834264	3755.5091808823663	3600.394623465107	3493.8942257321473	3497.1138641415232	10.650039772395975	103.8607592327478
107	188	138487	-300981.1413	915817.3170250766	39.385397684519405	-101.8637598	253349.54675005746	4363456.702770879	3752.72929849484	3598.2847336651766	3491.2244116633409	3494.5945856708242	10.706031703212693	103.2809779569314
108	188	138488	-300321.1413	915817.3170250766	39.385408155849464	-101.861462	253550.650	4363453.928	3750.6525782839124	3596.1712187089115	3488.525487	3491.6158895871573	10.764573212711139	104.5532912145418
109	188	138489	-299661.1413	915817.3170250766	39.38542867479983	-101.8591283	253751.7534623478	4363449.8295250391	3748.595665187466	3594.057451085627	3485.829515480898	3489.2410294661454	10.73193566472871	104.8164216195114
110	188	138490	-299001.1413	915817.3170250766	39.385449124373466	-101.8567746	253962.854531784	4363445.730793271	3746.5201351330404	3591.9423294235429	3483.19703915382	3488.073805265492	10.74593460916095	103.86943358909353
111	188	138491	-298341.1413	915817.3170250766	39.38546992616937	-101.8544068	254153.95900505915	4363441.63283229	3744.9243843296861	3589.826622629219	3480.447984299812	3484.1209793933205	10.7369356510548	101.70565106959702
112	188	138492	-297681.1413	915817.3170250766	39.3854898287444	-101.8521271	254355.6017407885	4363437.534485123	3743.863111193984	3587.70534165538	3477.6219178785127	3484.229196699095	10.0856353804106	103.47385176194429
113	188	138493	-297021.1413	915817.3170250766	39.38551019452769	-101.8497933	254556.164	4363433.3366333	3742.73111895215	3585.5834102900717	3474.83475665287	3480.29716160544	10.7486536719891	105.26839412961729
114	188	138494	-296361.1413	915817.3170250766	39.38553064109005	-101.8474596	254757.2650846089	4363429.3386433	3741.6252567848323	3583.48321568897	3471.9858541739677	3476.796526580344	10.746267139495226	106.6517009505301
115	188	138495	-295701.1413	915817.3170250766	39.3855508	-101.8451258	254958.36776061263	4363425.24135863	3741.377945183088	3581.302074332273	3469.304181613063	3473.718931353078	11.69729211966135	107.5836929796466
116	188	138496	-295041.1413	915817.3170250766	39.3855706859098	-101.8427921	255159.4692542838	4363421.14423573	3741.9819184	3578.144521081344	3468.48508471153	3467.7784784496562	11.999112341966135	108.6664263167877
117	188	138497	-294381.1413	915817.3170250766	39.38559168165874	-101.8401194	255374.8651249872	4363417.074249176	3741.7347409093382	3574.841396113923	3467.849192192238	3465.96719202238	10.145209162634	98.127078005402
118	188	138498	-293721.1413	915817.3170250766	39.3856117556692	-101.8381246	255561.67175342804	4363412.9504387	3743.211660578437	3574.794670732902	3461.2491580017024	3463.955296485874	11.5345511828254	110.83540629252976
119	188	138499	-293061.1413	915817.3170250766	39.38563112	-101.8357908	255762.77253431	4363408.85376964	3742.162588518943	3572.60314579236	3459.063074417432	3460.33173292404	11.5345511828254	112.2719724242936
120	188	138500	-292401.1413	915817.3170250766	39.38565113138566	-101.8334571	255963.87310974827	4363404.75323269	3743.4652234401473	3570.4015078073857	3457.0176296130335	3456.35761120058	11.3838747435218	114.04354596273761
121	188	138501	-291741.1413	915817.3170250766	39.3856710648528	-101.8311233	256164.9734348509	4363400.61082729	3743.76386369271	3568.189368679743	3455.234654426248	3453.96746524638	11.92474574322915	114.5343132722915
122	188	138502	-291081.1413	915817.3170250766	39.38569097709006	-101.8287895	256366.0783188572	4363396.50650584	3743.05529934337	3565.96652767374	3453.75113526277	3451.7800187124885	11.211551749400304	114.1865770424894
123	188	138503	-290421.1413	915817.3170250766	39.38571981616784	-101.826458	256567.1730819267	4363384.924934892	3742.1747474937657	3561.8491399113282	3451.7800187124885	3451.7800187124885	11.52924554689404	98.127078005402
124	188	138504	-289761.1413	915817.3170250766	39.3857404731764	-101.824122	256768.272640417	4363380.3736015	3740.5544242933574	3559.487883156503	3450.5158830238	3451.7800187124885	10.945975360034	109.8145329001491
125	188	138505	-289101.1413	915817.3170250766	39.38576041813492	-101.8217883	256969.327326304	4363384.278179407	3742.78528258914	3556.252232586078	3448.9638953703	3454.263105094067	10.28369336328471	109.8912668112098
126	188	138506	-288441.1413	915817.3170250766	39.385770143759736	-101.8194545	257170.4744028336	4363380.182954628	3742.013813675004	3559.967886259642	3447.878900457063	3455.7003218621044	10.91898580257912	101.29756439513798
127	188	138507	-287781.1413	915817.3170250766	39.38578982430618	-101.8171207	257371.5703262958	4363376.08791308	3740.22122110041387	3554.7338841047836	3446.100452741877	3453.35625869807	10.86334316290676	101.37879274889676
128	188	138508	-287121.1413	915817.3170250766	39.38580945977422	-101.814787	257572.66897137073	4363371.931110043	3741.3687209713538	3552.4602500550562	3444.605728626903	3447.85417822815377	10.86334316290676	101.37879274889676
129	188	138509	-286461.1413	915817.3170250766	39.38582905016381	-101.8124532	257773.76737345319	4363367.89849232	3741.581220395988	3550.789859858462	3443.489777708475	3446.100452741877	10.91898580257912	99.6588550222744
130	188	138510	-285801.1413	915817.3170250766	39.3858495547489	-101.8101194	257974.8651249872	4363364.80475043	3741.7347409093382	3547.841396113923	3446.100452741877	3446.100452741877	10.145209162634	98.127078005402
131	188	138511	-285141.1413	915817.3170250766	39.38586905705175	-101.8078572	258175.9634584958	4363359.78989922	3740.445311112046	3545.93043050096	3443.613004472037	3446.100452741877	10.969098028568	99.6588550222744
132	188	138512	-284481.1413	915817.3170250766	39.385889575086146	-101.8054519	258377.6011438118	4363355.51250669	3740.7689115539356	3543.274335709335	3438.09229	3442.548585849978	10.57160633714503	100.725748936256
133	188	138513	-283821.1413	915817.3170250766	39.38590960936886	-101.8031181	258578.1588583163	4363351.52246565	3740.93451593566	3540.999772729207	3437.23131662174	3438.94369449078	10.74666060614663	102.757483712595
134	188	138514	-283161.1413	915817.3170250766	39.3859263259336	-101.8007843	258779.25579619684	4363347.42842638	3740.179132478964	3538.640063829318	3436.50552868919	3436.666431395887	10.92049313959887	101.9745257157423
135	188	138515	-282501.1413	915817.3170250766	39.3859464585176	-101.7984056	258980.327664687	4363343.359018976	3740.0814512875026	3536.321150231846	3435.295938977473	3441.7699527133524	10.92049313959887	95.4551971652048
136	188	138516	-281841.1413	915817.3170250766	39.38596542069116	-101.7961148	259181.4494848275	4363339.241813482	3740.0814512875026	3536.321150231846	3435.295938977473	3441.7699527133524	10.92049313959887	95.4551971652048
137	188	138517	-281181.1413	915817.3170250766	39.38598495547489	-101.7938458	259382.568102525	4363334.924934892	3740.0814512875026	3536.321150231846	3435.295938977473	3441.7699527133524	10.92049313959887	95.4551971652048
138	188	138518	-280521.1413	915817.3170250766	39.3860033513371	-101.7914492	259583.642215156	4363331.05608154	3740.0814512875026	3536.321150231846				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatHtBoth.f	SatHtBoth.ft
221	188	138601	-225741.1413	1915817.3170250766	38.38743851567194	-101.5977416	2767.73.82266196586	4362992.056056398	354.266455	3402.3094744611535	3313.4533828216136	313.4546691460373	88.5609162453992	86.84478303078302
222	188	138602	-225081.1413	1915817.3170250766	38.38745391361398	-101.5954407	2767.74.8996743114	4362987.360363624	357.135963220687	3401.109307206432	3312.193375423087	313.8074387250133	88.915661394487	88.30159848138055
223	188	138603	-224421.1413	1915817.3170250766	38.38746932647445	-101.5930729	2766.75.9766651136	4362983.930496813	357.5895614984047	3399.021593308147	3311.674533003018	313.674533003018	88.6525730369988	88.2257634049852
224	188	138604	-223761.1413	1915817.3170250766	38.38748457425331	-101.590074	2766.77.0233819607	4362985.482950455	353.623549120838	3398.6824850454566	3310.5363460346666	313.8107437036146	88.146113847	87.80813746844206
225	188	138605	-223101.1413	1915817.3170250766	38.38749983695602	-101.5884061	2770.78.1296901437	4362975.754	3397.4552272575396	3397.4552272575396	3309.100002	3309.66066540478	88.35527315	87.7940873
226	188	138606	-222441.1413	1915817.3170250766	38.38751505456605	-101.5860722	2772.79.2057232711	4362971.679171063	3355.6990161954337	3396.21832349658	3307.90428738635	3308.460161219443	87.753605330301	87.7516022
227	188	138607	-221781.1413	1915817.3170250766	38.38753027099894	-101.5837384	2774.80.2186350817	4362967.604884134	3351.940304918702	3394.9715550491587	3306.776603985714	3307.674881	87.79667398578372	87.29667398578372
228	188	138608	-221121.1413	1915817.3170250766	38.3875453455201	-101.5814045	2778.1.3732284817	4362963.5294556958	3349.368129578474	3393.7153182090324	3305.517643132665	3306.791481810506	87.797056976586	86.923939862337
229	188	138609	-220461.1413	1915817.3170250766	38.38756046274455	-101.5790766	2782.43.05517557	4362959.154194691	3344.8719642387603	3392.49261696407	3303.91821323695	3305.386768257607	87.79869343176493	86.923939862337
230	188	138610	-219801.1413	1915817.3170250766	38.38757547421092	-101.5767367	2786.53.065817354	4362955.300429494	3341.7777898919	3391.176626	3301.989171530045	3303.675228734331	88.18692213335	87.5015972329904
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232	188	138612	-218481.1413	1915817.3170250766	38.387605413542566	-101.572069	2784.65.9731308857	4362947.233099191	3344.709522017582	3388.61419843817	3296.774712185146	3300.41033558498	91.8394767096243	88.2038648796478
233	188	138613	-217821.1413	1915817.3170250766	38.387620331558561	-101.5697351	2786.68.7325130182	4362943.159530678	3348.18120265361	3387.322076455326	3293.79726426333	3297.971029143613	90.5903429171938	89.35099473117134
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235	188	138615	-216501.1413	1915817.3170250766	38.3876499442591	-101.5650373	2790.88.808580556	4362935.012446462	3352.732796286702	3384.97169399147	3288.014636900058	3291.444773796886	90.7540339189042	93.2714016446205
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243	188	138623	-211221.1413	1915817.3170250766	38.3877693560965	-101.546498	2806.42.388560965	4362902.4336705417	3343.775307705623	3375.458914663556	3274.47018506682	3275.04343175946	90.7899651147854	90.7899651147854
244	188	138624	-210561.1413	1915817.3170250766	38.38778126	-101.5440623	2808.58.537642316	4362988.362411879	3345.745478524206	3372.753670450059	3269.7394167127235	3272.628073471828	90.7453273234552	90.1255977028095
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246	188	138626	-209241.1413	1915817.3170250766	38.38780994	-101.5393945	2813.00.6826417727	4362980.20125996	3343.7104223594656	3369.997275822916	3267.64540929235	3269.78856514853	90.789404025564	90.66397679
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249	188	138629	-207261.1413	1915817.3170250766	38.38785281712241	-101.5323828	2819.03.969892972	4362878.639620827	3338.94294314723	3365.768464933878	3264.04617	3264.04617	90.789404025564	90.66397679
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253	188	138633	-204621.1413	1915817.3170250766	38.3879088245362	-101.5230572	2827.08.179855197	4362861.72466116	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
254	188	138634	-203961.1413	1915817.3170250766	38.3879228445368	-101.5207233	2829.09.2941519456	4362859.60393161	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
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256	188	138636	-202641.1413	1915817.3170250766	38.3879506192083	-101.5161078	2833.11.3885519417	4362849.521073037	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
257	188	138637	-201981.1413	1915817.3170250766	38.387964643999055	-101.5137216	2835.12.458065455	4362845.452	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
258	188	138638	-201321.1413	1915817.3170250766	38.387978214977736	-101.5113877	2837.13.257071719	4362841.383314174	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
259	188	138639	-200661.1413	1915817.3170250766	38.38799194488321	-101.5090538	2839.14.596268574	4362837.4184354	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
260	188	138640	-200001.1413	1915817.3170250766	38.388005629074274	-101.5067199	2841.15.665050805	4362833.24665568	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
261	188	138641	-199341.1413	1915817.3170250766	38.3880192694359	-101.504386	2843.16.730222547	4362829.178360523	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
262	188	138642	-198681.1413	1915817.3170250766	38.3880328641027	-101.5020521	2845.17.801911398	4362825.11	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
263	188	138643	-198021.1413	1915817.3170250766	38.38804632643025	-101.499719	2847.18.969892972	4362821.02181676	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
264	188	138644	-197361.1413	1915817.3170250766	38.38805991615406	-101.4973483	2849.19.9380353516	4362816.976	3323.19990336105	3359.895243646693	3259.03311221397	3259.03311221397	90.789404025564	90.66397679
265	188	138645	-196701.1413	1915817.3170250766	38.38807337757405	-101.4950504	2851.21.0057867016	4362812.908363345	3323.19990336105	3359.895243646693	3259			

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
347	187	13272	-142581.1413	915817.3170250766	39.38902363023912	-101.303667	60077.85840349624	4362480.07399554	3309.3420395056463	323.8712579637004	3135.3549409539733	3136.0187914717498	98.581371700972712	97.85246654620232
348	188	13728	-141921.1413	915817.3170250766	39.389033347698906	-101.301333	60188.9059021091	4362476.02828989	3307.5900911779413	322.44256007976	3134.016401920442	3134.8021453446427	98.42615817732394	97.64041654512192
349	188	13829	-141261.1413	915817.3170250766	39.3890430007409	-101.299889	60209.8698712667	4362471.978458719	3308.814208491163	321.014811689516	3132.74039338986	3133.768997034326	97.246531886352	97.246531886352
350	188	13730	-140601.1413	915817.3170250766	39.38905264736464	-101.306665	60211.0104501173	4362468.9527368	3304.0861945209717	322.5946037028251	3127.5735690124184	3132.6601472564462	96.9292730505482	96.9292730505482
351	188	138731	-139941.1413	915817.3170250766	39.3890622957059	-101.2943311	60212.0607350371	4362463.878319029	3302.75589253125	322.8165094785074	3130.5520386927924	3131.8667167132877	97.6125708771498	96.31683186521698
352	188	13732	-139281.1413	915817.3170250766	39.389072777	-101.2919771	60213.1106260064	4362459.828459598	3301.847263875805	322.74693054235	3129.413545413797	3131.868629	95.87439624410354	95.87439624410354
353	188	138733	-138621.1413	915817.3170250766	39.38908126	-101.2896631	60214.16072345164	4362455.798049847	3300.9385812415485	322.319600049847	3128.318661740771	3130.347121989559	95.8803020907602	95.8803020907602
354	188	13734	-137961.1413	915817.3170250766	39.38909056054045	-101.2873291	60215.31014	4362451.729811512	3300.029925555	322.3965989141384	3127.11748263793	3128.60497758168	96.7788054875909	95.2927011559701
355	188	138735	-137301.1413	915817.3170250766	39.3891001079476	-101.284885	60216.25998102	4362447.686442028	3299.632006609158	322.47442463558	3125.9543933340193	3127.407272642898	96.5397911026868	97.0671801729896
356	188	13736	-136641.1413	915817.3170250766	39.38910406433014	-101.2826312	60217.305255773	4362443.631474414	3299.744802525648	322.035679571801	3124.317133602701	3127.313602701	96.2035016578929	95.9211339698574
357	188	138737	-135981.1413	915817.3170250766	39.38911876027914	-101.2803272	60318.3583807856	4362438.582706217	3299.857619175796	3129.6345317737895	3123.778164245902	3126.062627924266	95.6507452788731	93.971348306292
358	188	138738	-135321.1413	915817.3170250766	39.3891280426491	-101.277932	60319.4071313083	4362435.341382403	3299.9704175756115	3128.217117147186	3122.726896445081	3125.97132110885	95.48842227	92.24579057463006
359	188	138739	-134661.1413	915817.3170250766	39.389137264169136	-101.2756592	60402.04560529903	4362431.485774085	3299.441928971454	3126.80109261955	3121.70618364051	3125.060831617085	95.48842227	91.74022610019665
360	188	138740	-134001.1413	915817.3170250766	39.38914640412556	-101.2732325	60422.01540006967	4362427.163720235	3292.27214455133	3123.3635679977	3120.8602051938706	3125.8635679977	94.526158464127093	95.0158072853472
361	188	138741	-133341.1413	915817.3170250766	39.38915569719716	-101.2709913	60442.553	4362423.39935852	3287.10362	3121.973165959405	3124.73457416503	3124.538348994805	93.7997031405479	89.43481744574926
362	188	138742	-132681.1413	915817.3170250766	39.38916455144965	-101.268673	60463.011486428	4362419.341864428	3281.9325711424634	3122.562740268502	3119.316511570573	3126.6540244546077	93.4262611144498	85.9087158230455
363	188	138743	-132021.1413	915817.3170250766	39.38917369943391	-101.2662323	60482.04602988004	4362415.294031452	3277.654035489045	3121.15371333905	3118.83954978144	3127.740568604501	92.4601183606109	83.41314768750055
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366	188	138746	-130041.1413	915817.3170250766	39.3892005249145	-101.2593214	60547.7916213014	4362403.152801552	3267.492131	3206.9201885307	3120.9448333566327	3120.74839334834	88.624355	86.1924491882244
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370	188	138750	-127401.1413	915817.3170250766	39.389235725379315	-101.2499584	60623.9187552140	4362386.96937117	3256.3565056841	3201.05497040073	3117.2902574400473	3117.5112824460134	83.76471296	83.5436879005383
371	188	138751	-126741.1413	915817.3170250766	39.38924440588887	-101.2476514	60643.026	4362382.920971328	3257.20120330691	3199.468821627165	3119.324064523536	3119.61403393924	83.76471296	83.76471296
372	188	138752	-126081.1413	915817.3170250766	39.38925304131342	-101.2453175	60663.04702566113	4362378.475205653	3254.187504623436	3197.782166612576	3119.3798182137878	3119.662790121262	78.402484	78.1159369971347
373	188	138753	-125421.1413	915817.3170250766	39.38926163165295	-101.2429835	60683.518324452	4362374.829604038	3253.9758833040163	3117.6505782263073	3117.6505782263073	3117.6505782263073	80.063551646094	80.063551646094
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375	188	138755	-124101.1413	915817.3170250766	39.38927867708114	-101.2383158	60727.20926623185	4362366.739107214	3248.342914	3191.826838636818	3114.6388692039477	3115.1004000601153	79.7071654284	81.6945834344465
376	188	138756	-123441.1413	915817.3170250766	39.38928713216549	-101.235818	60748.2581958153	4362362.94141908	3247.724263717599	3189.54521546531	3107.471792047037	3117.471792047037	80.063551646094	80.063551646094
377	188	138757	-122781.1413	915817.3170250766	39.38929554	-101.2336475	60769.300046027	4362358.64376679	3243.754934250551	3187.1577167750216	3103.5513858636434	3103.9030667738	83.5436879005383	83.5436879005383
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380	188	138760	-120801.1413	915817.3170250766	39.38932050165022	-101.2266455	60824.43569091731	4362346.516281341	3239.6514814666416	3170.05363814705	3093.1692175204026	3093.1692175204026	86.5777954	86.5777954
381	188	138761	-120141.1413	915817.3170250766	39.38932873131085	-101.2243115	60843.4801681035	4362342.472165233	3238.0485289077495	3177.024281691505	3096.67559526002	3096.67559526002	86.36886904173	86.36886904173
382	188	138762	-119481.1413	915817.3170250766	39.389337129158448	-101.2219718	60864.524015456	4362338.42851135	3236.541536982693	3174.42163929274	3108.82514	3115.81236838618	85.1957163025423	85.1957163025423
383	188	138763	-118821.1413	915817.3170250766	39.38934505537295	-101.2196438	60885.5687240235	4362334.34869672	3234.77176557962	3171.803541905401	3087.600114339475	3087.7053045403263	84.203475145334	84.0982115270483
384	188	138764	-118161.1413	915817.3170250766	39.389353149776234	-101.2173096	60906.6172206466	4362330.341824427	3239.715428658067	3169.1707654272	3086.99673932744	3086.99673932744	82.7428367152788	82.181020199357
385	188	138765	-117501.1413	915817.3170250766	39.38936119909432	-101.2149756	60927.6556301628	4362328.246145491	3238.06808121727	3166.531957767184	3086.11996841074	3086.11996841074	80.4113689173596179	80.4113689173596179
386	188	138766	-116841.1413	915817.3170250766	39.3893693032718	-101.2126416	60948.70015284396	4362322.25491555	3237.91592932766	3163.8891704013	3085.815600710807	3086.02758324278	77.8165779660257	77.8165779660257
387	188	138767	-116181.1413	915817.3170250766	39.38937716247747	-101.2103078	60969.74328887327	4362318.21276612	3235.656820403906	3161.242399708723	3083.3642901705302	3083.3642901705302	78.470953769895	78.470953769895
388	188	138768	-115521.1413	915817.3170250766	39.38938576537515	-101.2079736	60988.786534555	4362314.10761663	3233.848289205834	3158.94466129701	3081.5710451635705	3081.5710451635705	77.113086325064	77.113086325064
389	188	138769	-114861.1413	915817.3170250766	39.38939405537295	-101.2056438	61009.829175347148	4362310.05161663	3232.948249972758	3156.94715347148	3080.48249972758	3080.48249972758	76.06249824982	76.06249824982
390	188	138770	-114201.1413	915817.3170250766	39.3894007694007	-101.2033056	61025.877771003	4362306.10565163	3231.241262080497	3153.2940691913754	3080.74574906456	3080.74574906456	75.0762313191953	75.0762313191953
391	188	138771	-113541.1413	915817.3170250766	39.38940848212586	-101.2009716	61043.9154705475	4362302.03666611	3230.07587132495					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
473	138853	-59421.14133		1915817.3170250766	-03.9889298383746	-101.0095824	32698.80355108884	43619171.282224398	3162.9727120164603	2993.921015325185	2899.907105518735	2899.6884277277522	94.01309891	94.23258759742394
474	138854	-56761.14133		1915817.3170250766	-03.98907202052077	-101.0072844	3271.3915342646	4361967.25682374	3162.3519896524374	2997.7234514811	2897.8571414034129	2897.8571423762737	94.8755311258198	95.169120265677
475	138855	-58101.14133		1915817.3170250766	-03.98961012117804	-101.004814	3274.0035948637	4361923.68451081	3163.4016248698102	2984.2620346771673	2891.0768492769845	2890.934949078045	95.16288737126327	95.44684175916356
476	138856	-57441.14133		1915817.3170250766	-03.98909406	-101.0025803	3275.9188950514	4361956.26653061	3162.3519896524374	2990.3409433574	2895.296663772747	2895.047449050003	95.064036	95.2768129265877
477	138857	-56761.14133		1915817.3170250766	-03.98908086053154	-101.0002463	3277.921474309195	4361955.182	3162.842605212438	2989.1401507836563	2895.07425478027	2894.91192526575	95.068933056299	94.228243908764
478	138858	-56121.14133		1915817.3170250766	-03.9891272	-100.9997123	3279.9431783152	4361951.157234786	3161.5682591738417	2987.67985081497	2894.6011182452673	2894.6011182452673	95.253002176636	93.92397755001204
479	138859	-55461.14133		1915817.3170250766	-03.9891652764339	-100.9955782	3281.944368	4361971.780863398129	3166.71932488123	2986.751932488123	2893.6973381267144	2893.6953	93.0785512	93.0260918612636
480	138860	-54801.14133		1915817.3170250766	-03.9899203390913	-100.9932442	3283.95909017705	4361943.10863438	3168.49620444566	2985.423488925458	2892.413606009583	2892.4306664336927	93.0784728295261	93.0614824858288
481	138861	-54141.14133		1915817.3170250766	-03.9899401485856	-100.9909102	3285.97220705537	4361938.36631673	3167.211552689834	2984.2620346771673	2891.0768492769845	2890.934949078045	95.16288737126327	95.44684175916356
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487	138867	-50181.14133		1915817.3170250766	-03.989453455289	-100.976908	3297.9531800483894	4361914.344400494	3153.44215595717	2977.892887143324	2886.1267922019556	2886.1267922019556	92.96619651237679	92.96619651237679
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496	138876	-44241.14133		1915817.3170250766	-03.98974420720804	-100.9558997	3315.962407580394	4361878.475805975	3134.9440533732213	2964.402108207424	2863.502292181172	2863.502292181172	93.86734353075195	93.86734353075195
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501	138881	-40941.14133		1915817.3170250766	-03.9898968393284	-100.9442296	3325.967526829516	4361856.54462086	3128.6927267924964	2957.2267172944962	2853.14501792844	2853.14501792844	93.50514698343566	93.50514698343566
502	138882	-40281.14133		1915817.3170250766	-03.9899274213574	-100.9418955	3327.9684574487025	4361854.6226978025	3127.742138955	2956.25281894827	2850.2620123343067	2850.18827473915	93.5574854514235	93.5574854514235
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506	138886	-37641.14133		1915817.3170250766	-03.990023881269	-100.9325594	3335.972306116134	4361838.45308463	3099.269245	2950.770532182395	2842.959289731375	2842.942059611592	93.7112348668394	93.7112348668394
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512	138892	-33681.14133		1915817.3170250766	-03.9901700551793	-100.9185551	3347.97719474199	4361814.439341025	3086.81529688572	2944.281677506434	2836.469430039574	2836.367383226342	93.967148666592	93.967148666592
513	138893	-33021.14133		1915817.3170250766	-03.9901923832835	-100.9162211	3349.97935078484	4361810.42	3084.92472841739	2943.206565188687	2836.390149653584	2836.390149653584	93.8781455258154	93.8781455258154
514	138894	-32361.14133		1915817.3170250766	-03.9902151706128	-100.913871	3351.980148201069	4361806.4021069	3082.118610542246	2942.18160542246	2835.73210069037	2835.73210069037	93.935913389597	93.935913389597
515	138895	-31701.14133		1915817.3170250766	-03.9902485258695	-100.9114919	3353.98183671754	4361802.49340858	3080.013345469709	2941.0525	2834.11686594784	2834.11686594784	93.9911289594784	93.9911289594784
516	138896	-31041.14133		1915817.3170250766	-03.9902796622768	-100.909885	3355.983787149374	4361794.353178558	3077.62508639621	2939.88733732213	2832.70630637209	2832.70630637209	94.02470104530474	94.02470104530474
517	138897	-30381.14133		1915817.3170250766	-03.990299422768	-100.908685	3357.9857814549374	4361784.353178558	3075.62508639621	2938.74362039621	2836.47808408814	2836.448205076716		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLog.ft	SatHtBoth.ft
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600	138980	24398.8586770335	151817.3170250766	39.3004559252634	-100.7131597	324687.072623444	3431641.648489161	2966.039716174564	2714.4000876153416	2718.0635073395505	2718.0635073395505	2718.0635073395505	71.6903345009469	71.6903345009469
601	138981	25038.8586770335	151817.3170250766	39.30043213687658	-100.70857	326899.056126644	3431637.62681943098	2792.7362648842034	2718.7368591684578	2718.7368591684578	2718.7368591684578	2718.7368591684578	70.20291425851664	70.20291425851664
602	138982	25498.8586770335	151817.3170250766	39.3004448223812	-100.704916	32870.0354935783	3431633.648534236	2900.7168570203422	2780.761035175117	2710.03702609364	2710.03702609364	2710.03702609364	67.2333837199903	67.2333837199903
603	138983	26348.8586770335	151817.3170250766	39.3003930726311	-100.7061576	33037.0110466588	3431649.648925555	2958.8514823604176	2778.741822898157	2712.743159	2700.03686223458	2700.03686223458	65.9980233416566	65.9980233416566
604	138984	27038.8586770335	151817.3170250766	39.3003787820161	-100.7038236	33272.1092700212	3431645.649020455	2957.78318543617	2775.7150951362814	2710.133704757137	2706.13830140934	2706.13830140934	65.5766135257804	65.5766135257804
605	138985	27698.8586770335	151817.3170250766	39.30036008553665	-100.7041895	33473.11691212154	3431641.65	2956.714547440868	2774.68018662218	2707.57611302155	2700.0860316628916	2700.0860316628916	67.1040756306311	67.1040756306311
606	138986	28338.8586770335	151817.3170250766	39.300343981905	-100.699155	33674.1244161395	3431650.6495549	2955.6490440088	2772.63338410041	2708.21517467343	2693.33346348164	2693.33346348164	67.4170933369758	67.4170933369758
607	138987	29038.8586770335	151817.3170250766	39.30032513369768	-100.6968214	33876.1517840047	3431633.648534236	2954.732506836368	2770.53865723132	2698.299195340897	2698.299195340897	2698.299195340897	68.0346511032646	68.0346511032646
608	138988	29678.8586770335	151817.3170250766	39.3003120900434	-100.6948474	34076.1389949734	3431629.65275944	2954.903250495414	2769.467254407547	2699.72777100789	2697.759483396771	2697.759483396771	68.7599453396771	68.7599453396771
609	138989	30338.8586770335	151817.3170250766	39.3002807909642	-100.6921534	342477.1460794863	3431645.64818901	2954.7639404162197	2766.4069768792389	2697.1897242318955	2700.7265875820376	2700.7265875820376	69.2190544005324	69.2190544005324
610	138990	30998.8586770335	151817.3170250766	39.3002598401587	-100.6898193	344478.1503186123	3431621.65581297	2954.624854840273	2764.3056839099277	2694.782754232115	2699.731300905117	2699.731300905117	69.522929676515	69.522929676515
611	138991	31658.8586770335	151817.3170250766	39.30023834848844	-100.6874853	346479.1598170457	3431627.65617475	2954.138126633077	2762.1966730863746	2692.375576224435	2703.77735333755	2692.375576224435	68.92109656	68.92109656
612	138992	32318.8586770335	151817.3170250766	39.300216589533	-100.6851513	348480.1664750056	3431633.648534236	2953.41075566005	2760.08431112482	2689.87154640222	2700.7265875820376	2700.7265875820376	69.522929676515	69.522929676515
613	138993	32978.8586770335	151817.3170250766	39.3001942825536	-100.6828172	350581.1229625834	3431649.66	2952.6412659680133	2757.9703624229177	2688.09063526208	2705.2865506252578	2705.2865506252578	69.7999198470379	69.7999198470379
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615	138995	34298.8586770335	151817.3170250766	39.30014823215554	-100.6781492	354583.1856085095	3431641.66824784	2950.236284705513	2753.76240833358	2686.44067894022	2699.3971382954472	2699.3971382954472	67.31607192	67.31607192
616	138996	34958.8586770335	151817.3170250766	39.30012466711634	-100.6758151	356684.197061602	3431397.66974094	2949.769697876513	2751.654343	2685.985087421273	2695.85968384048	2695.85968384048	65.695955	65.695955
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618	138998	36278.8586770335	151817.3170250766	39.3000702005833	-100.671147	360608.203481231	3431397.67566786	2942.61018146987	2747.469893754007	2684.894074254587	2691.76075735259	2691.76075735259	65.7091370074743	65.7091370074743
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620	139000	37698.8586770335	151817.3170250766	39.3000253454316	-100.666479	364898.2147061033	3431381.683	2938.3524	2743.30711369456	2683.375421487369	2683.375421487369	2683.375421487369	65.994032012304	65.994032012304
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635	139015	47498.8586770335	151817.3170250766	39.3009658360373	-100.6314668	39503.2614081344	3431329.7406834	2929.850385926124	2714.618353	2662.6394190938	2684.032575647255	2684.032575647255	65.100410896435	65.100410896435
636	139016	48158.8586770335	151817.3170250766	39.3009566657598	-100.6291344	39704.2847561816	3431317.768	2926.67275284205	2712.91536233740	2660.600448725107	2675.4280182534603	2675.4280182534603	65.3089674465021	65.3089674465021
637	139017	48818.8586770335	151817.3170250766	39.300952374161894	-100.6268004	39905.287968827	3431313.74617279	2925.845457102568	2711.225890400044	2658.400464040456	2671.733927737591	2671.733927737591	65.752429955872	65.752429955872
638	139018	49478.8586770335	151817.3170250766	39.30094901666145	-100.6244664	40106.2619044532	3431309.781748095	2924.5610952338162	2709.5610952338162	2656.357092706859	2673.30975310583426	2673.30975310583426	65.100410896435	65.100410896435
639	139019	50138.8586770335	151817.3170250766	39.30094561407467	-100.6221323	40307.293989707	3431305.78913305	2923.191073848221	2707.898685720661	2654.208182205534	2664.693263725931	2664.693263725931	65.6886751510778	65.6886751510778
640	139020	50798.8586770335	151817.3170250766	39.30094216641057	-100.619793	40508.296796665	3431301.78673034	2921.881703406184	2706.2					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevKgr.ft
725	188	109858	109858.687307335	915817.31720250766	39.38944325408515	-100.4214067	377993.0649556724	4306963.162152211	2738.8646272817416	25.7853370193115	2528.7986291032137	2529.2478989437444	56.12531724937071	56.12531724937071
726	188	107558	107558.687307335	915817.31720250766	39.3894769994425	-100.4190277	37794.05684372003	4306959.16781046	2736.5015019977483	25.8425962904431	2528.1496820438154	2528.50052296438154	55.61148652443515	55.61148652443515
727	188	130107	130107.68567307335	915817.31720250766	39.38944529292446	-100.4167287	37809.048814675618	4306961.214486313	2734.914682149654	25.85144467119654	2527.4156836827174	2527.428672897463	55.3128672897463	55.3128672897463
728	188	130108	130108.68567307335	915817.31720250766	39.38944221405919	-100.4144047	37816.00406	4306951.236392342	2582.80532449952	25.82210623417106	2528.888732246142	25.43000540964144	55.13260905568705	55.13260905568705
729	188	109538	109538.68567307335	915817.31720250766	39.389454733738576	-100.4120707	37837.30232037316	4306947.261531905	2730.82010044196	25.80989786942816	2525.6999351063596	2525.951969088454	55.18985486	55.18985486
730	188	130110	130110.68567307335	915817.31720250766	39.3894472833251	-100.4097367	378598.0237	4306943.268671082	2779.448826672745	25.24171532320704	2524.3173893784643	25.175278964420403	55.43497289797102	55.43497289797102
731	188	130111	130111.68567307335	915817.31720250766	39.38943969784108	-100.4074027	37879.0151346793	4306943.31406019	2726.6520373891376	25.77801887187581	2521.443952	2521.524499	55.1743550598073	55.1743550598073
732	188	112115	112115.68567307335	915817.31720250766	39.38943210226427	-100.4050687	37900.0064245165	4306938.38	2724.20560412123	25.75840539962772	2518.429848096713	2518.399094668173	59.020051860599	59.020051860599
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734	188	130114	130114.68567307335	915817.31720250766	39.389417585459	-100.4004007	379401.96855721596	4306927.390192588	2719.1732777982437	25.751937272108773	2517.919446043322	2517.2457322167533	63.834093368	63.834093368
735	188	113498	113498.68567307335	915817.31720250766	39.38940905421736	-100.3980667	379602.979606179	4306923.41515999	2717.494847554174	25.73286763415344	2508.6156336753647	2507.92185855426	66.2323577559182	66.2323577559182
736	188	130116	130116.68567307335	915817.31720250766	39.38940127	-100.3957327	379803.7904289727	4306919.430336008	2716.305612	25.7252854387559	2506.67854044945	2505.827495041611	65.1789934261375	65.1789934261375
737	188	130117	130117.68567307335	915817.31720250766	39.3893934810016	-100.3933987	380004.9611424874	4306915.469753005	2715.670300489176	25.7160300489176	2506.63340899872	2505.885717521965	65.03646296738108	65.03646296738108
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740	188	130120	130120.68567307335	915817.31720250766	39.38937451457816	-100.3863367	380607.8322590297	4306903.351085817	2710.843600194405	25.68821863296025	2507.082207773329	2506.54280851385	61.364285235959	61.364285235959
1	189	130121	130904.1413	916737.31720250766	39.3847671350884	-102.111968	232035.2830514074	4306949.97017318	3965.384681875583	37.47420097918064	3648.429595113693	3645.8689595784407	101.770992805423	101.770992805423
2	189	130122	130728.1413	916737.31720250766	39.384793029180365	-102.1088632	232236.4133228178	4306900.4893479193	3962.96738269373	37.45.78289282331	3649.349646052968	3641.73177178184	96.43324573073221	96.43324573073221
3	189	130123	130692.1413	916737.31720250766	39.3848182997777	-102.1065296	232437.5432302702	4306896.729170853	3963.857954502327	37.44437441409637	3646.5350691344315	3645.590373693038	97.8222353663218	97.8222353663218
4	189	130124	130681.1413	916737.31720250766	39.3848325350052	-102.1041959	232638.673069848	4306882.00894923	3962.821924715834	37.42.92347104429	3647.629255564541	3647.227691408103	95.2949815368774	95.2949815368774
5	189	130125	130630.1413	916737.31720250766	39.3848870574916	-102.1018623	232839.8025574503	4306870.49021992	3962.20606291456	37.41.48096234194	3645.408190729534	3644.822032499587	93.67055958797	93.67055958797
6	189	130126	130674.1413	916737.31720250766	39.3848584112348	-102.099526	233048.930317563197	4306874.38920261	3976.372191162596	37.40.03956647378	3643.662195535346	3643.10195718027	96.3687911184338	96.3687911184338
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8	189	130128	130632.1413	916737.31720250766	39.38494397658482	-102.049613	233443.18933797	4306606.13021148	3975.20536907074	37.3107173514549	3641.633224	3641.307783210848	95.46851217871927	95.46851217871927
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11	189	130131	130643.1413	916737.31720250766	39.38501884187802	-102.0878064	234046.5738430547	4306503.734774078	3968.57670823473	37.324.6107	3639.612185535048	3639.330347269019	93.30075948756075	93.30075948756075
12	189	130132	130681.1413	916737.31720250766	39.38504371	-102.0853267	234247.7014684397	4306445.496494965	3966.161915433114	37.31.11688568364	3639.048754237912	3639.845122377899	91.06713344457285	91.06713344457285
13	189	130133	130630.1413	916737.31720250766	39.3850652656772	-102.083183	234448.5288303812	4306414.359994	3964.781232181898	37.30.03956647378	3638.622991438427	3638.722991438427	89.707418675801	89.707418675801
14	189	130134	130631.1413	916737.31720250766	39.385061364113	-102.0825954	234649.7302591587	4306401.41359944	3961.33229689677	37.28.050471461107	3638.92898471	3638.92898471	90.1213935435111	90.1213935435111
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18	189	130138	130671.1413	916737.31720250766	39.38519914978326	-102.0715247	235454.4616943006	4306204.94783908	3949.445482546253	37.21.760363161635	3632.405450300366	3631.844211024865	89.7208131579742	89.7208131579742
19	189	130139	130696.1413	916737.31720250766	39.38521649920713	-102.0699191	235657.5847945611	4306200.83712383	3948.901594183481	37.20.762760720077	3632.036304116299	3631.981502503471	88.9984660200858	88.9984660200858
20	189	130140	130681.1413	916737.31720250766	39.3852140352013	-102.066874	235864.713002505	430616.71339659	3946.781232181898	37.19.03956647378	3631.662195535346	3631.10195718027	96.3687911184338	96.3687911184338
21	189	130141	130677.1413	916737.31720250766	39.38525642783444	-102.0645237	236057.8326577697	430612.597078445	3942.824350390734	37.18.62051915215	3632.388465879183	3632.557468371525	84.7673562699343	84.7673562699343
22	189	130142	130678.1413	916737.31720250766	39.3852987696168	-102.06219	236258.93263348	4306100.480534913	3940.7913704192716	37.15.29470418955	3632.3054871144034	3632.525536973011	82.99238720451242	82.99238720451242
23	189	130143	130642.1413	916737.31720250766	39.3853142460647	-102.0598563	236460.0880014703	4306004.36214859	3939.183260142183	37.13.635671871423	3632.3045758493225	3632.577980123302	81.83428583	81.83428583
24	189	130144	130671.1413	916737.31720250766	39.3853385709522	-102.0575227	236661.2124874376	4306004.28097678	3937.79282156154	37.10.204026	3632.646823571295	3632.5449381591453	79.35723786306402	79.35723786306402
25	189	130145	130610.1413	916737.31720250766	39.38536284904525	-102.055189	236862.3368418533	4306096.13218364	3936.472105234657	37.07.31068990053	3632.72003747357	3632.62324164806	77.7952345981836	77.7952345981836
26	189	130146	130644.1413	916737.31720250766	39.3853638	-102.0528563	237363.4604919328	4305992.016	3935.157948275831	37.06.762760720077	3632.036304116299	3631.981502503471	88.9984660200858	88.9984660200858
27	189	130147	130681.1413	916737.31720250766	39.3853715212459	-102.050718	237584.9258137711	4305924.84957273	3933.852435781093	37.05.0489754714	3632.852435781093	3632.852435781093	90.1213935435111	90.1213935435111
28	189	130148	130613.1413	916737.31720250766	39.3854354155119	-102.048179	237657.777752885	4305983.76557511	3932.575257783129	37.05.3784251882	3632.606060672	3632.80187292047		

ix	iy	ic21	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
111	189	132321	-298341.1413	1916477.3170250766	38.387282207814696	-101.8544871	51458.06548101472	4363462.921717847	378.71742055256676	378.91749065792947	3478.915541736982	3486.53427850007096	11.2053648423126	102.64062852921506
112	189	132322	-297681.1413	1916477.3170250766	38.3873025485307	-101.8521153	51459.16717739453	4363638.423426528	378.064560364438	367.066117784045	3476.08605291128	3484.050456902082	10.9686123525769	103.0037026537656
113	189	132323	-297021.1413	1916477.3170250766	38.38732329701143	-101.8498194	51460.26862363377	4363824.725373461	373.7264382834778	357.336011845511	3473.06791845511	3480.8126716128636	11.8783243648472	104.1311841871523
114	189	132324	-296361.1413	1916477.3170250766	38.3873414402077	-101.8474856	51461.37163073712	4363936.627406453	373.6457686600804	3582.801717740413	3469.918144833917	3476.8569465355873	10.96871234412155	105.9414676423115
115	189	132325	-295701.1413	1916477.3170250766	38.3873633660944	-101.8451518	51462.4791953109	4363626.529766609	373.42231968340524	368.6659512538763	3466.9222855599605	3473.243011	11.73466596979683	107.41394072683624
116	189	132326	-295041.1413	1916477.3170250766	38.38738334041624	-101.842818	515163.5745175595	4363622.43283731	373.08175	35.78510276937304	3463.7803782068113	3469.2541	114.7208915304274	102.743002604624
117	189	132327	-294381.1413	1916477.3170250766	38.38740337486923	-101.8404842	515364.6765975677	4363618.335001579	373.6309233866675	35.76383463461375	3460.8395523227737	3465.7805360254563	115.49439114236384	109.545321321950462
118	189	132328	-293721.1413	1916477.3170250766	38.38742376163305	-101.8381504	515565.7763561474	4363614.372329885	373.136688273174	35.74154807	3468.2737994470333	3464.4092806927733	115.80107907025481	108.7435672025491
119	189	132329	-293061.1413	1916477.3170250766	38.38744360331796	-101.8358166	515862.8771323854	4363610.14104806	373.264388348778	35.71360116211225	3465.6178285423468	3460.52807172588	115.69161559727284	107.85450424796672
120	189	132340	-292401.1413	1916477.3170250766	38.38747638	-101.8334828	515967.9774872817	4363606.04473451	374.9176768894164	35.69726957485874	3454.554112246044	3454.161558742562	115.65013700340035	116.103413700340035
121	189	132341	-291741.1413	1916477.3170250766	38.387483511440205	-101.831149	516169.07760110258	4363601.947302355	373.7192305782425	35.67551735338983	3453.1992253569877	3463.6871158156903	114.3525072828955	116.6846195242285
122	189	132342	-291081.1413	1916477.3170250766	38.38750365789573	-101.8288151	516307.1705	4363597.852	370.4466718175036	35.65523998456925	3451.850045560922	3450.4072739118513	114.779390307706	114.92271065284103
123	189	132343	-290421.1413	1916477.3170250766	38.38752351926304	-101.8264813	516571.2771054581	4363589.75567269	372.634232524342	35.693093361774317	3450.486472589991	3448.3483671	114.1266381855891	114.1466620283191
124	189	132344	-289761.1413	1916477.3170250766	38.3875433550966	-101.8241475	516772.3764965134	4363589.695702549	372.3984930456413	35.68161936003464	3449.0913557250515	3449.0913557250515	111.7705836259496	111.7705836259496
125	189	132345	-289101.1413	1916477.3170250766	38.387563160759416	-101.8218137	516973.47564709416	4363589.64309994	372.125543560494	35.68161936003464	3447.921501730914	3453.572924484086	110.69811375342541	105.0413586675333
126	189	132346	-288441.1413	1916477.3170250766	38.3875829365624	-101.8194799	517147.5746571072	4363589.601851473	372.012684798996	35.6526196291936	3447.8042894782842	3447.8042894782842	109.6343303078691	105.0413586675333
127	189	132347	-287781.1413	1916477.3170250766	38.38760251393784	-101.817148	517375.6776580573	4363577.33127132	372.138714156447	35.65410228551367	3444.746013678549	3448.428391079323	109.35922917658263	105.0413586675333
128	189	132348	-287121.1413	1916477.3170250766	38.38762214990772	-101.8148122	517576.7712650472	4363573.27825266	371.892034546655	35.651835923899725	3443.542256949966	3444.334367016758	108.2936724034096	106.1279113713716989
129	189	132349	-286461.1413	1916477.3170250766	38.38764174079801	-101.8124784	517777.86684879125	4363569.18341345	371.41018019673683	35.64557992406474	3442.07481696954	3442.96276516252	107.48350079652027	106.5952267022211
130	189	132350	-285801.1413	1916477.3170250766	38.38766126660876	-101.8101446	517978.9678008048	4363565.08795939	370.929238817301	35.4712716812389785	3439.56769	3443.04058689011	107.4047211771862	104.2668225409675
131	189	132351	-285141.1413	1916477.3170250766	38.38768078733963	-101.8078717	518180.0655121047	4363564.904309857	370.6729964605	35.444797356479563	3438.05162241046	3438.05162241046	106.92574123851728	106.140433391474
132	189	132352	-284481.1413	1916477.3170250766	38.38770242599017	-101.8054769	518381.162951608	4363560.906022975	370.474996997771	35.444797356479563	3437.5187441253115	3436.470580251424	106.6372763543959	106.6372763543959
133	189	132353	-283821.1413	1916477.3170250766	38.38772398168996	-101.8031814	518582.2602195513	4363556.901851473	370.264388348778	35.42507521611225	3436.5178285423468	3436.5178285423468	106.3525072828955	106.3525072828955
134	189	132354	-283161.1413	1916477.3170250766	38.3877390540166	-101.8009092	518783.527149176	4363548.17133511	369.975071475185	35.38061911236703	3434.763246707004	3434.05561436648	106.0296453166542	102.02948022025
135	189	132355	-282501.1413	1916477.3170250766	38.3877583346605	-101.7984754	518984.4539720652	4363546.832665	368.6775583	35.35378331597677	3433.133115705697	3444.005477229647	105.9607158919813	99.74295437
136	189	132356	-281841.1413	1916477.3170250766	38.3877761749811	-101.7961416	519185.5504910016	4363540.52509318	368.043463734243	35.3347409518863	3430.512713552979	3449.673117931229	102.9348163571363	83.7799725746368
137	189	132357	-281181.1413	1916477.3170250766	38.38779684505023	-101.7938077	519396.6467719303	4363539.134459439	368.0144630197337	35.31140672104524	3427.780030988616	3440.286010599808	99.80080102599808	99.80080102599808
138	189	132358	-280521.1413	1916477.3170250766	38.38781603022243	-101.7914739	519589.7428150567	4363532.338821059	368.5739238847745	35.288330747050606	3425.54989249023	3432.6004505422284	103.3108845657778	96.21402416337225
139	189	132359	-279861.1413	1916477.3170250766	38.387835717031469	-101.7891407	519788.7683889896	4363528.245898142	368.225847969896	35.26531578748174	3422.8942894782842	3422.8942894782842	99.80080102599808	99.80080102599808
140	189	132360	-279201.1413	1916477.3170250766	38.38785543562692	-101.7868092	519989.2168773084	4363524.1538772384	367.9241356756217	35.2421310573274	3421.746756217	3421.746756217	99.80080102599808	99.80080102599808
141	189	132361	-278541.1413	1916477.3170250766	38.3878731525912	-101.7844724	520191.0295169805	4363520.06029485	367.625154286797	35.21336533217737	3419.65469150148	3420.766311518343	102.2816537102964	91.1702214123438
142	189	132362	-277881.1413	1916477.3170250766	38.3878923011121	-101.7821385	520392.164136647	4363515.96877031	367.418608478968	35.191648082832731	3417.389842873316	3415.398600849524	102.2582094985243	104.2048473600844
143	189	132363	-277221.1413	1916477.3170250766	38.38791127988322	-101.7798047	520593.2194708972	4363511.87667022	366.8424733171327	35.1737964189453	3416.0897160522895	3414.52457592133906	101.2728481716325	102.843846760223
144	189	132364	-276561.1413	1916477.3170250766	38.38793019457506	-101.7774709	520793.3414091504	4363507.8475436	366.1446301977537	35.151080115220377	3414.5162733289936	3410.73166285409	101.7362932342949	104.3484466662523
145	189	132365	-275901.1413	1916477.3170250766	38.38794904816672	-101.775137	520995.4084787781	4363503.63233587	365.945013653087	35.1233936028306	3412.4295058948444	3405.163671772648	99.80080102599808	99.80080102599808
146	189	132366	-275241.1413	1916477.3170250766	38.3879678871615	-101.7728032	521196.502239547	4363500.961851473	365.7241356756217	35.10302302161225	3410.73166285409	3410.73166285409	99.80080102599808	99.80080102599808
147	189	132367	-274581.1413	1916477.3170250766	38.38798668819633	-101.7704693	521397.5965305786	4363495.51058451	365.503586719737	35.08236986191737	3410.73166285409	3410.73166285409	99.80080102599808	99.80080102599808
148	189	132368	-273921.1413	1916477.3170250766	38.388005402540216	-101.7681355	521598.690	4363491.42	364.223905108776	35.06151131086436	3411.2380611672594	3418.6336711317094	94.9130709191774	87.51745995
149	189	132369	-273261.1413	1916477.3170250766	38.3880240183075	-101.7658016	521799.7835335878	4363487.328711226	364.01919254377204	35.03358730772204	3410.885923206605	3410.885923206605	93.7208421115723	83.53578118918425
150	189	132370	-272601.1413	1916477.3170250766	38.38804273604092	-101.7634678	522000.876589035	4363483.23816002	363.8064617534294	35.0176176579991	3410.800420550846	3416.863574	90.9857739	84.92226204307122
151	189	132371	-271941.1413	1916477.3170250766	38.3880613317072	-101.7611339	522201.9698293196	4363479.14715966	364.01919254377204	35.0176176579991	3410.800420550846	3416.863574	90.9857739	84.92226204307122
152	189	132372	-271281.1413	1916477.3170250766	38.38807998200755	-101.7588001	522403.0625648102	4363475.057454502	363.646727778025	35.0075045331185	3407.288621288035	3407.288621288035	90.9857739	84.92226204307122
153	189	132373	-270621.1413	1916477.3170250766	38.38809868188895	-101.7564693	522604.16818895	4363471.057454502	363.404737808951	35.0075045331185	3407.288621288035	3407.288621288035	90.9857739	84.92226204307122
154	189	132374	-269961.1413	1916477.3170250766	38.388116862072045	-101.7541324	522805.2473318483	4363466.77737881	363.1791625098334	3493.30073	3402.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
237	189	13357	-215181.1413	1916477.3170250766	39.38949221086629	-101.5604185	279495.10842244915	4383128.127426551	3542.9483308491453	3283.575528409618	3283.7988630283002	3289.724931905762	97.79465538131783	91.85035321904183
238	189	13358	-214521.1413	1916477.3170250766	39.3895068787767	-101.5580485	279966.18172341725	4383128.104565206	3542.011398455742	3380.24118365852	3281.402521408447	3286.537111927806	98.04609567404116	93.70600643871714
239	189	13359	-213861.1413	1916477.3170250766	39.3895191968287	-101.5557506	279897.254	438311.98189199737	3542.036298246966	3279.048329271408	3283.71714253591	3283.830790850512	98.0078178	95.189177199737
240	189	13360	-213201.1413	1916477.3170250766	39.38953610664484	-101.5534165	280098.376744288	438311.551909	3541.288984219305	3377.5644885134486	3281.504314935042	3280.70042560366	98.0014657390479	90.1465770479
241	189	13361	-212541.1413	1916477.3170250766	39.3895506484335	-101.5510287	280209.40032488224	438311.83713861	3541.2878453261915	3376.21705682707	3274.7739494606676	3278.7965885126843	101.44337016336392	97.41747631432281
242	189	13362	-211881.1413	1916477.3170250766	39.38955165	-101.5487487	280504.427589098	438311.765119617	3541.185680326123	3370.33796327640273	3273.033758454805	3276.765689775544	101.8263637192222	98.2964690548039
243	189	13363	-211221.1413	1916477.3170250766	39.3895795667115	-101.5464148	280701.544676149	438310.69326178	3540.8004964487303	3373.501781325137	3271.3769975760624	3275.4116751940683	102.1247374890746	98.0901061106875
244	189	13364	-210561.1413	1916477.3170250766	39.3895940317994	-101.544008	280902.618765044	438309.62160036	3540.1580459734263	3327.1287867226234	3269.871444373036	3270.7542298519665	102.254298519665	98.55901409879652
245	189	13365	-209901.1413	1916477.3170250766	39.3896056461251	-101.5417469	28103.688	438309.550149162	3539.7438329271408	3268.5268775587673	3271.738972147146	3270.7542298519665	102.2170463405539	98.0078178
246	189	13366	-209241.1413	1916477.3170250766	39.3896226955455	-101.5394129	281304.7604348066	438309.147895598	3538.85586622637	3369.146512262137	3267.4829967680087	3269.7597845444	101.862525	98.5883623470646
247	189	13367	-208581.1413	1916477.3170250766	39.3896365221316	-101.537079	281505.831789796	438308.407430305	3537.203401045853	3367.306313855792	3265.619449144167	3266.529251	101.7022849137518	101.7022849137518
248	189	13368	-207921.1413	1916477.3170250766	39.38965117838835	-101.534745	281706.9029255877	438308.3366922284	3534.750121474667	3353.51533470976	3264.289117080878	3264.9795629058	102.22441630909821	101.53639717588824
249	189	13369	-207261.1413	1916477.3170250766	39.38966539480055	-101.5324111	281907.973854349	438307.269324522	3532.229903248433	3365.0773079365	3262.92784840406524	3262.886671833652	102.14947273300256	102.14947273300256
250	189	13370	-206601.1413	1916477.3170250766	39.38967945488245	-101.5300771	282109.04465643516	438307.30519	3529.709653072393	3363.6275710193936	3261.54042296251	3261.2688653257156	102.0714803314251	102.0714803314251
251	189	13371	-205941.1413	1916477.3170250766	39.3896938641294	-101.5277432	282310.1155959784	438307.125646748	3528.7414219411578	3362.160278453305	3260.6776554963636	3261.065250466468	102.0826230466468	102.0826230466468
252	189	13372	-205281.1413	1916477.3170250766	39.3897073225408	-101.5254902	282511.185340399	438307.0550072	3528.3251141108032	3360.631189717841	3259.0154001218607	3259.526175522142	101.769595969808	101.1467141960913
253	189	13373	-204621.1413	1916477.3170250766	39.3897216301163	-101.5230752	282712.2554077294	438306.98579297	3528.908026476078	3359.166857395727	3257.620489770375	3258.043138610513	101.5446586255319	101.1282078521068
254	189	13374	-203961.1413	1916477.3170250766	39.3897358868558	-101.5207413	282913.260260569	438306.9516112354	3528.4024964444428	3357.6421367914063	3256.22313540545	3256.610145960664	101.4190032586135	101.03210253133996
255	189	13375	-203301.1413	1916477.3170250766	39.3897494992759	-101.5184073	283114.3948998207	438305.847	3528.73188106634	3356.098671143852	3254.961716367106	3256.913818991155	101.1396547764582	99.18505124473631
256	189	13376	-202641.1413	1916477.3170250766	39.38976336478259	-101.5160734	283315.464254491	438305.7472488505	3524.634137945051	3354.36137945051	3253.775899483076	3255.50149723254	100.7602388675434	99.0343282173704
257	189	13377	-201981.1413	1916477.3170250766	39.3897771852057	-101.5137394	283516.6333772534	438304.768388901	3520.552027319231	3352.95495879702	3252.672701673653	3250.2758105159953	98.8462250340386	98.8462250340386
258	189	13378	-201321.1413	1916477.3170250766	39.3897905054484	-101.5114054	283717.602536114	438304.63595145	3516.4519034042429	3351.3559771973473	3251.780157628917	3253.559819591363	97.7961576035484	97.7961576035484
259	189	13379	-200661.1413	1916477.3170250766	39.3898046900075	-101.509127	283922.5462014084	438304.5208251	3512.524094385244	3350.2622269845	3248.76309189894	3249.04519536254	99.0464275	99.0464275
260	189	13380	-200001.1413	1916477.3170250766	39.38981837597214	-101.5067375	284119.738955305	438304.502476147	3511.7349910728435	3348.1128421590892	3250.013607885635	3249.625453688025	98.090233702576	97.46357869028673
261	189	13381	-199341.1413	1916477.3170250766	39.38983201606126	-101.5044035	284320.8082574838	438304.42340955	3508.948958782426	3346.407726726581	3249.1687510723477	3249.625991305485	97.91975654305	96.8473159603228
262	189	13382	-198681.1413	1916477.3170250766	39.38984561	-101.5020696	284521.8740611583	438303.266208694	3506.147956134326	3344.816314384179	3248.467983451294	3249.096135407937	96.348303930495	95.720189762141
263	189	13383	-198021.1413	1916477.3170250766	39.3898691698463	-101.4997356	284722.94342632	438302.98237398	3507.228801780352	3343.1508802837745	3248.111956209517	3248.686227047892	95.0388203	94.4551853338068
264	189	13384	-197361.1413	1916477.3170250766	39.3898726582105	-101.4974016	284924.0120672425	438301.872042227	3507.141925733077	3341.4758190938376	3247.9507857862276	3248.6752975487743	93.52473239561008	92.8002214506332
265	189	13385	-196701.1413	1916477.3170250766	39.38988125573675	-101.495127	285125.0789012785	438301.63311631107	3507.055044	3339.958467878891	3246.90367047971	3248.90367047971	93.52912381548922	93.52912381548922
266	189	13386	-196041.1413	1916477.3170250766	39.389891254222	-101.4927337	285326.5462014084	438301.10060821	3506.96193194039	3338.017123513548	3246.97123513548	3248.97123513548	93.52912381548922	93.52912381548922
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269	189	13389	-194061.1413	1916477.3170250766	39.38993957314452	-101.4857318	285929.3457188909	438299.85600368	3504.188832859339	3332.927784477923	3242.799694420824	3242.096227784592	90.197584028979	90.197584028979
270	189	13390	-193401.1413	1916477.3170250766	39.3899527480725	-101.4833978	286130.4139764174	438298.92157332	3503.094486810826	3331.207259411895	3241.702417489539	3240.950781698796	90.0486487516005	90.0486487516005
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272	189	13392	-192081.1413	1916477.3170250766	39.3899790144954	-101.478729	286532.5462014084	438298.62958251	3502.40948364456	3328.78236289845	3238.76309189894	3238.76309189894	90.04519536254	90.04519536254
273	189	13393	-191421.1413	1916477.3170250766	39.38999821057056	-101.4763959	286727.63121	438298.61106753	3502.3283567613086	3326.150130518221	3237.2855129933477	3236.35170618919	88.8655274902066	88.7984243642985
274	189	13394	-190761.1413	1916477.3170250766	39.3900052564745	-101.4740619	286934.6770376453	438297.55486042	3502.31778891596	3324.439632376693	3235.9097004816904	3234.750821960892	88.5296329197895	88.688201977717
275	189	13395	-190101.1413	1916477.3170250766	39.390018243479695	-101.4717279	287135.473108676	438297.50066041	3502.009681234845	3322.731906115969	3234.665835185271	3234.665835185271	88.5296329197895	88.5296329197895
276	189	13396	-189441.1413	1916477.3170250766	39.39003127030779	-101.4693399	287336.8083861995	438296.34847816	3501.459042714632	3321.0256402335445	3233.742905934567	3233.742905934567	88.5296329197895	88.5296329197895
277	189	13397	-188781.1413	1916477.3170250766	39.39004412605169	-101.46706	287537.873297134	438296.398978128	3500.90844419682	3319.320417506073	3232.125682164243	3227.9035390979284	87.1953528892629	87.1953528892629
278	189	13398	-188121.1413	1916477.3170250766	39.3900569971134	-101.464726	287738.538076519	438296.350671795	3500.357766571995	3317.6169542873036	3230.7250672354	3230.41304083927	86.9312842394375	86.9312842394375
279	189	13399	-187461.1413	1916477.3170250766	39.3900698465058	-101.462402	287939.6462014084	438296.312981528	3500.26482981477	3316.16294819128	3229.482981477	3229.482981477	86.9312842394375	86.9312842394375
280	189	13400	-186801.1413	1916477.3170250766	39.390082611777935	-101.460058	288114.0705901374	438296.25083953	3499.7607167910846	3314.2193810416	3228.1531983464	3228.89569	86.9312842394375	86.9312842394375
281	189	13401	-186141.1413	1916477.31702507										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.	BRiElevBothKrg.	SurfThLgts.ft	SurfThBoth.ft
363	198	139483	-132021.1413	1916477.31720250766	39.30989647556029	-101.2663249	304828.72029732397	432616.529929919	3287.3087938470526	3120.4604576523134	3113.239825755351	3119.709390440813	97.22083168996246	90.75106721150041
364	198	139484	-131361.1413	1916477.31720250766	39.309595471854314	-101.2642009	305029.4796865978	432616.420326961	3282.567980578991	3120.60038190987	3112.040267987848	3119.6007202313893	90.8307322241808	90.8307322241808
365	198	139485	-130701.1413	1916477.31720250766	39.3091442314232	-101.2616669	305230.7274865034	432616.43481367	3277.821767287456	3120.634035894042	3110.730913268727	3115.402389321773	90.8307322241808	90.8307322241808
366	198	139486	-130041.1413	1916477.31720250766	39.3091332039429	-101.2593328	305431.8444737765	432616.387526129	3275.086357977097	3120.67247205635	3110.726342066412	3111.261806220471	90.8307322241808	90.8307322241808
367	198	139487	-129381.1413	1916477.31720250766	39.3091221903801	-101.2569898	305632.8914361516	432616.390461237	3268.055437911293	3120.765903407203	3110.853880512063	3112.062770681213	90.8307322241808	90.8307322241808
368	198	139488	-128721.1413	1916477.31720250766	39.3091200363998	-101.2546647	305833.830234818	432616.296316785	3262.73425429625	3120.900249373005	3110.201429280226	3110.794580759096	90.8307322241808	90.8307322241808
369	198	139489	-128061.1413	1916477.31720250766	39.30910397773676	-101.2523207	306034.9846148683	432616.242766246	3257.03133936032	3120.788005304236	3099.6760502667753	3102.111956505387	90.8307322241808	90.8307322241808
370	198	139490	-127401.1413	1916477.31720250766	39.3091485039127	-101.2499966	306237.0132882207	432616.200908566	3252.095117317438	3120.238599	3100.8971680777418	3100.892765172283	90.8307322241808	90.8307322241808
371	198	139491	-126741.1413	1916477.31720250766	39.30916571862273	-101.2476626	306457.0752624486	432616.154756498	3246.84154756498	3119.651383164705	3103.86088444282	3103.765147147571	90.8307322241808	90.8307322241808
372	198	139492	-126081.1413	1916477.31720250766	39.30916581946804	-101.2453289	306638.123739441	432616.10897173	3245.35111854265	3119.650042921736	3106.5371399896983	3106.5372930214079	90.8307322241808	90.8307322241808
373	198	139493	-125421.1413	1916477.31720250766	39.30917441002716	-101.2429495	306839.1694	432616.06304737	3235.335085291465	3119.057027299107	3108.0187618163295	3108.169332147098	90.8307322241808	90.8307322241808
374	198	139494	-124761.1413	1916477.31720250766	39.30918265504343	-101.2406065	307040.2152009276	432616.017494043	3235.0959979720474	3119.1199494610514	3107.743086463935	3108.194949149415	90.8307322241808	90.8307322241808
375	198	139495	-124101.1413	1916477.31720250766	39.309191455891038	-101.2383264	307241.2606806848	432616.071421467	3263.591432705474	3119.033040330543	3106.003627293922	3108.2719478461404	90.8307322241808	90.8307322241808
376	198	139496	-123441.1413	1916477.31720250766	39.30919991119158	-101.2359924	307442.3059715397	432616.026989522	3269.8214054625367	3118.026694441152	3103.062664944152	3103.76495418973	90.8307322241808	90.8307322241808
377	198	139497	-122781.1413	1916477.31720250766	39.309110832140585	-101.2336583	307643.301730954	432616.0586337666	3276.051292879494	3118.825296048082	3095.085065133757	3099.085065133757	90.8307322241808	90.8307322241808
378	198	139498	-122121.1413	1916477.31720250766	39.3091168953839	-101.2313423	307844.3958735946	432616.02557286102	3282.281227099892	3118.144516997785	3096.2005462727314	3096.4329148202473	90.8307322241808	90.8307322241808
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380	198	139500	-120801.1413	1916477.31720250766	39.3091331511125	-101.2266562	308246.4852053024	432616.074838326	3282.457478383626	3119.278424364703	3090.153408160656	3090.153408160656	90.8307322241808	90.8307322241808
381	198	139501	-120141.1413	1916477.31720250766	39.30914511140033	-101.2243221	308447.526994848	432616.047232764	3290.2784914048823	3117.794967866644	3087.865611089501	3087.9685927492314	90.8307322241808	90.8307322241808
382	198	139502	-119481.1413	1916477.31720250766	39.30914966131894	-101.2219881	308648.537611955	432616.0366028218	3292.2321414148287	3117.1819403748996	3086.1319049109425	3086.291133993395	90.8307322241808	90.8307322241808
383	198	139503	-118821.1413	1916477.31720250766	39.30915785397924	-101.219654	308849.6173747505	432616.03563167	3294.0300800673817	3117.620832391847	3089.0105513616437	3089.100513616437	90.8307322241808	90.8307322241808
384	198	139504	-118161.1413	1916477.31720250766	39.309155504499726	-101.21732	309050.6615224975	432616.0512786157	3296.6982611770277	3119.041403589289	3084.042437148599	3084.167610719975	90.8307322241808	90.8307322241808
385	198	139505	-117501.1413	1916477.31720250766	39.30916290015787	-101.2148432	309257.7258351937	432616.07158186457	3298.533094372196	3119.324291829568	3087.377123947078	3087.4781921169557	90.8307322241808	90.8307322241808
386	198	139506	-116841.1413	1916477.31720250766	39.30911894430231	-101.2126519	309452.748557807	432616.0349481701	3299.018827518523	3116.352233134854	3084.066067386524	3084.130287648543	90.8307322241808	90.8307322241808
387	198	139507	-116181.1413	1916477.31720250766	39.30911894430231	-101.2103178	309653.7916724095	432616.0349481701	3299.018827518523	3116.352233134854	3084.066067386524	3084.130287648543	90.8307322241808	90.8307322241808
388	198	139508	-115521.1413	1916477.31720250766	39.30911894430231	-101.207938	309854.8348020824	432616.0514078249	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
389	198	139509	-114861.1413	1916477.31720250766	39.309120572274527	-101.2056497	310055.8776558803	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
390	198	139510	-114201.1413	1916477.31720250766	39.309121355133706	-101.2033156	310256.92306324965	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
391	198	139511	-113541.1413	1916477.31720250766	39.309121355133706	-101.2008162	310457.962959683	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
392	198	139512	-112881.1413	1916477.31720250766	39.309121355133706	-101.1986478	310659.0510192517	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
393	198	139513	-112221.1413	1916477.31720250766	39.309121355133706	-101.1963135	310860.04721284054	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
394	198	139514	-111561.1413	1916477.31720250766	39.30912443683974	-101.1939794	311061.0891	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
395	198	139515	-110901.1413	1916477.31720250766	39.3091251995499154	-101.1916454	311262.1308729564	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
396	198	139516	-110241.1413	1916477.31720250766	39.309125954907	-101.1893113	311463.172316527	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
397	198	139517	-109581.1413	1916477.31720250766	39.309125954907	-101.1869772	311684.213064897	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
398	198	139518	-108921.1413	1916477.31720250766	39.309125954907	-101.1846432	311865.254943187	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
399	198	139519	-108261.1413	1916477.31720250766	39.309125954907	-101.1823091	312066.2959691718	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
400	198	139520	-107601.1413	1916477.31720250766	39.30912831498145	-101.1799751	312257.3368149472	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
401	198	139521	-106941.1413	1916477.31720250766	39.30912831498145	-101.177641	312468.3774499557	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
402	198	139522	-106281.1413	1916477.31720250766	39.30912831498145	-101.175307	312669.4179013926	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
403	198	139523	-105621.1413	1916477.31720250766	39.30913116165854	-101.1729729	312870.5816948182	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
404	198	139524	-104961.1413	1916477.31720250766	39.3091318354837	-101.170638	313071.4982544076	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
405	198	139525	-104301.1413	1916477.31720250766	39.3091318354837	-101.168304	313278.77378545	432616.0313823387	3300.1484386525474	3115.683799823815	3086.881771907904	3086.965122595445	90.8307322241808	90.8307322241808
406	198	139526	-103641.1413	1916477.31720250766	39.30913250539319	-101.1659								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtLogB.ft	SatHtBot.ft
489	139	13609	-48681.14133	1916477.3172050766	36.39176456643375	-100.9722422	33159.25800519676	4362108.11278115	3146.611220082595	2947.232811547259	2894.6634405760083	2895.127630417058	79.56930797129094	79.10518113024136
490	139	13610	-48201.14133	1916477.3172050766	36.39175827183064	-100.969081	33036.2810665256	4344.04064074265	3144.244640952678	2972.869617070707	2884.129496306487	2894.7638491328	78.7684745349358	78.12058626281623
491	139	13611	-47841.14133	1916477.3172050766	36.39177154	-100.967622	33065.1306432139	4361.78053115313	3141.87053115313	2971.548427745226	2889.633633621919	2891.8209138321919	81.48826626	81.48826626
492	139	13612	-46481.14133	1916477.3172050766	36.3917747634266	-100.96524	330762.3328144883	4360.09646253376	3138.151475157359	2968.104964109281	2883.54573	2883.54573	78.7684745349358	78.12058626281623
493	139	13613	-46221.14133	1916477.3172050766	36.39177794746741	-100.9629509	330963.3574208716	4362.09240282719	3137.644861001167	2968.801049850243	2883.747976172633	2877.2696607926544	81.4530736716006	81.4530736716006
494	139	13614	-45561.14133	1916477.3172050766	36.39178102504615	-100.9605178	331164.3816625756	4362.09240282719	3135.478264844745	2968.404785033293	2872.28971781463	2872.062009196223	81.567371916648	81.567371916648
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502	139	13622	-40281.14133	1916477.3172050766	36.39180453965206	-100.941899	332772.5716	4362.055187466403	3108.452723	2956.121543138154	2853.011134945227	2852.971643973592	103.1102281929556	103.1102281929556
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533	139	13653	-19											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevBthKgr.f	SatHtElev.f	SatHtElevBth.f
519	13973	34298.8586730335	1916477.3170250766	39.18162729944686	-0.06781461	355487.1862087711	43161602.860713045	494.34115594470725	274.285595968515	2684.9348018443658	2684.82952311315965	69.94377722514905	59.24802573591833	
616	13976	34958.8586730335	1916477.3170250766	39.18125254248015	-0.0759312	355688.1920911694	43161590.86338894	2942.8851973626425	2752.211113353697	2684.7255564372728	2684.615238139035	67.958474721787186	57.958474721787186	
617	13977	35018.8586730335	1916477.3170250766	39.1812285353729	-0.0734779	355889.197801254	43161486.86311254	2954.1232769514314	2750.14252769514314	2684.488378913154	2684.327695143154	65.8891196071134	55.8891196071134	
618	13978	35078.8586730335	1916477.3170250766	39.18120397721905	-0.0711439	356090.2034618477	43161590.86335512	3937.972471946444	2748.078551969844	2684.075143682101	2686.36573869644	64.0070091	54.0070091	
619	13979	35093.8586730335	1916477.3170250766	39.181817866794	-0.0668098	356291.2083435213	43161586.87260612	2935.8671054609362	2746.0196389756837	2683.5090105088662	2684.681608895944	62.50973216718474	51.63830308973564	
620	13980	35108.8586730335	1916477.3170250766	39.181535706916	-0.0664577	356492.1426835023	43161582.8705043	2934.1127237811	2743.0127237811	2683.78069894373	2684.78069894373	61.9868023126156	51.9868023126156	
621	13981	35285.8586730335	1916477.3170250766	39.181275967125	-0.06641416	356693.219463301	43161578.87924149	2932.3584914953226	2741.924247726105	2681.9134314849903	2688.9040861	60.018264145023	51.018264145023	
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623	13983	35918.8586730335	1916477.3170250766	39.181012348573	-0.0618075	357095.284092154	43161574.8307469	2937.87108891744	2737.87108891744	2680.974050299042	2682.7045902303835	57.7860463471096	47.7860463471096	
624	13984	36028.8586730335	1916477.3170250766	39.1810471585195	-0.0657193	357296.2241956616	43161566.91932717	2927.72253246361	2735.963051147373	2679.362029162516	2676.063051147373	56.0302198537063	46.0302198537063	
625	13985	40088.8586730335	1916477.3170250766	39.18101440403696	-0.06548052	357497.2388624973	43161562.96392828	2926.72711238362	2733.87416574244	2678.521894008443	2677.44460246775	55.35242497350055	45.35242497350055	
626	13986	41558.8586730335	1916477.3170250766	39.1817266787	-0.06524711	357688.234367673	43161558.91050718	2925.57391933259	2731.899547682761	2677.65268566275	2675.602519202933	54.24687911648516	44.24687911648516	
627	13987	42128.8586730335	1916477.3170250766	39.1817266787	-0.0650137	357899.2477344875	43161550.90508979	2925.11383247402	2729.94220044288	2676.54006897048	2679.130578659031	53.968823578207	43.968823578207	
628	13988	42878.8586730335	1916477.3170250766	39.18173593533616	-0.06478029	358100.251966118	43161550.91061402	2925.48529649873	2728.08021519758	2675.501034088003	2680.10315285498	52.50699103174656	47.9040623425775	
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646	14006	54758.8586730335	1916477.3170250766	39.1817332876823	-0.06057893	361718.3049239615	43161478.31504464	2906.1889313154234	2698.1889313154234	2638.493781828326	2657.135350429097	57.69651315290084	39.05386627251361	
647	14007	55418.8586730335	1916477.3170250766	39.1817295633473	-0.06034552	361919.306654634	43161478.31504464	2902.846221135816	2694.4469340413198	2637.28705015082163	2657.844046458366	57.1594235331043	36.6028729278318	
648	14008	56078.8586730335	1916477.3170250766	39.1817257693383	-0.06011211	362120.38185448	43161471.054	2900.50479318426	2692.696789828663	2636.419308865417	2656.510625669944	56.78917271966446	34.2599400799304	
649	14009	56738.8586730335	1916477.3170250766	39.1817257693383	-0.0598787	362321.305825545	43161467.06262052	2906.1889313154234	2698.1889313154234	2638.493781828326	2657.135350429097	57.69651315290084	39.05386627251361	
650	14010	57398.8586730335	1916477.3170250766	39.1817257693383	-0.05964357	362522.310468978	43161467.06262052	2906.1889313154234	2698.1889313154234	2638.493781828326	2657.135350429097	57.69651315290084	39.05386627251361	
651	14011	58058.8586730335	1916477.3170250766	39.181740102653	-0.05941188	362723.3171989509	43161459.01883505	2908.9596289458	2697.40032750378	2637.931107028294	2650.1209842154103	53.489963036113336	37.269960627445	
652	14012	58718.8586730335	1916477.3170250766	39.181702711596	-0.0591748	362924.3129786504	43161455.09116912	2892.554124354808	2685.6213637968226	2632.1708515895252	2638.803358	53.45051220729738	46.81800567109828	
653	14013	59378.8586730335	1916477.3170250766	39.18170603817984	-0.05894507	363125.318462933	43161451.10169975	2891.15007185893	2683.85487199893	2629.8815903541423	2651.58486	53.39535216	32.2490013818293	
654	14014	60038.8586730335	1916477.3170250766	39.18170603817984	-0.05871166	363326.314820367	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.732327358807	54.03713401810106	20.3107984447161	
655	14015	60698.8586730335	1916477.3170250766	39.1816978325985	-0.05847825	363527.315186224	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.732327358807	54.03713401810106	20.3107984447161	
656	14016	61358.8586730335	1916477.3170250766	39.1816978325985	-0.05824484	363728.315658939	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.732327358807	54.03713401810106	20.3107984447161	
657	14017	62018.8586730335	1916477.3170250766	39.1816978325985	-0.05801143	363929.316371981	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.732327358807	54.03713401810106	20.3107984447161	
658	14018	62678.8586730335	1916477.3170250766	39.1816978325985	-0.05777803	364130.316210816	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.732327358807	54.03713401810106	20.3107984447161	
659	14019	63338.8586730335	1916477.3170250766	39.1816978325985	-0.05754462	364331.3162904115	43161447.11190028	2889.764061125702	2682.043126205028	2627.5033948023178	2661.73			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln.	BR/ElevKgr.ft	BR/ElevBotKgr.ft	SatHtLog.ft	SatHtBot.ft
1	190	139861	-370941.1413	717137.3170250766	39.38658031933146	-102.1112295	232039.4129074513	4364296.2869123295	3746.0321556894833	3746.1822499593202	3646.5662360201864	3646.0322470490485	39.18601393301544	10.15000254415327
2	190	139862	-370281.1413	717137.3170250766	39.38655054825154	-102.1088894	23240.5429650055	4364292.166070475	3958.583604275845	3744.7680894817083	3640.205890088644	3646.863626	39.1629193276187	98.3048327568838
3	190	139863	-369621.1413	717137.3170250766	39.38639194954958	-102.1068241	23244.6727007963	4364288.3325431973	3960.38272545197	3743.6473225657666	3646.73211328541473	3642.973595989496	39.16379168591996	98.3048327568838
4	190	139864	-368961.1413	717137.3170250766	39.38665615	-102.1042884	232462.80228934094	4364290.42069602	3965.44316049339	3741.9190364804927	3648.49207771692	3648.02147037040838	39.1629193276187	98.3048327568838
5	190	139865	-368301.1413	717137.3170250766	39.38668132675439	-102.1018847	232483.93155273638	4364279.804764432	3970.499044842281	3740.481861961459	3646.9159901860307	3646.059105025137	39.1629193276187	98.3048327568838
6	190	139866	-367641.1413	717137.3170250766	39.386706462771095	-102.099561	233045.0606	4364275.6847354	3975.45940442287	3740.3306984944583	3645.695205254208	3644.9633418177837	39.1629193276187	98.3048327568838
7	190	139867	-366981.1413	717137.3170250766	39.3867315312224	-102.0972723	233246.18820489006	4364271.56409036	3976.985170563025	3737.581600241173	3644.220554371569	3643.81762086118	39.1629193276187	98.3048327568838
8	190	139868	-366321.1413	717137.3170250766	39.3867565957773	-102.0948935	233447.1737450925	4364267.44528703	3978.778593532402	3738.11846669092	3643.273973756986	3642.7702969827	39.1629193276187	98.3048327568838
9	190	139869	-365661.1413	717137.3170250766	39.386781600367834	-102.0925858	233649.4456989906	4364265.32587654	3979.5943811817415	3737.844438194748	3642.302015338674	3642.046361126264	39.1629193276187	98.3048327568838
10	190	139870	-365001.1413	717137.3170250766	39.3868055605182	-102.0902221	233849.5738997038	4364259.206512965	3979.880167110804	3737.159830884205	3641.448038913965	3641.2404041625646	39.1629193276187	98.3048327568838
11	190	139871	-364341.1413	717137.3170250766	39.3868316627207	-102.0878924	234050.7015635312	4364255.08763816	3988.12178993562	3731.363659558093	3641.166993	3640.992516458775	39.1629193276187	98.3048327568838
12	190	139872	-363681.1413	717137.3170250766	39.38685322828295	-102.0855587	234251.8289860654	4364250.9682816	3985.729606948558	3730.155838261465	3640.861516942875	3640.713142618195	39.1629193276187	98.3048327568838
13	190	139873	-363021.1413	717137.3170250766	39.38688115276977	-102.083225	234452.9561392844	4364249.35021349	3984.634414226259	3728.335887278052	3640.231725241372	3640.1372283834	39.1629193276187	98.3048327568838
14	190	139874	-362361.1413	717137.3170250766	39.3869093	-102.0808912	234654.0302561182	4364242.731817646	3981.204531422063	3727.130963571425	3639.051929675415	3639.023492428463	39.1629193276187	98.3048327568838
15	190	139875	-361701.1413	717137.3170250766	39.3869305851571	-102.0785573	234855.2906485895	4364238.981837074	3988.23905971800498	3725.5600550084998	3637.485038717488	3637.4126879351	39.1629193276187	98.3048327568838
16	190	139876	-361041.1413	717137.3170250766	39.3869534377474	-102.076228	235056.3360920017	4364234.495618928	3984.985366166239	3724.04175899523	3635.306337071951	3635.16426747895	39.1629193276187	98.3048327568838
17	190	139877	-360381.1413	717137.3170250766	39.3869799639777	-102.0738901	235257.4621	4364230.37828296	3991.737790249227	3722.43396520086	3632.355674325997	3632.042616158367	39.1629193276187	98.3048327568838
18	190	139878	-359721.1413	717137.3170250766	39.38700457906473	-102.0715563	235458.5870428117	4364226.26034075	3948.47769705064	3720.8565212267	3629.971365	3629.54635505384	39.1629193276187	98.3048327568838
19	190	139879	-359061.1413	717137.3170250766	39.38702912909554	-102.0692226	235659.71351051648	4364222.14284953	3943.717650171418	3719.265712250525	3631.194246165524	3631.0424557524194	39.1629193276187	98.3048327568838
20	190	139880	-358401.1413	717137.3170250766	39.38705363405022	-102.0668889	235860.8382589062	4364218.1826	3945.450687905883	3717.665250686073	3631.5294359621325	3631.5294359621325	39.1629193276187	98.3048327568838
21	190	139881	-357741.1413	717137.3170250766	39.3870789032865	-102.0645552	236063.96387490886	4364210.987889945	3941.1837244702992	3716.058407782824	3631.46632	3631.454291	39.1629193276187	98.3048327568838
22	190	139882	-357081.1413	717137.3170250766	39.38710250873964	-102.0622214	236263.086627674	4364209.791900141	3938.916713472448	3714.444815951268	3631.310884	3631.4924071301593	39.1629193276187	98.3048327568838
23	190	139883	-356421.1413	717137.3170250766	39.38712687765672	-102.059887	236464.219820078	4364205.6325431973	3936.737765800827	3712.825381416904	3631.26323	3631.462436	39.1629193276187	98.3048327568838
24	190	139884	-355761.1413	717137.3170250766	39.3871512010626	-102.057554	236665.345528945	4364201.558951645	3935.663779350104	3711.202387253896	3631.916447566099	3631.90773380538	39.1629193276187	98.3048327568838
25	190	139885	-355101.1413	717137.3170250766	39.38717548	-102.0552202	236866.4614565381	4364200.74827009	3934.250179732193	3709.580248848464	3632.357752859103	3632.356311995416	39.1629193276187	98.3048327568838
26	190	139886	-354441.1413	717137.3170250766	39.38719971717609	-102.0528865	237067.5851963446	4364193.326814517	3932.83777886297	3707.963792525443	3633.018776202524	3632.80552697358	39.1629193276187	98.3048327568838
27	190	139887	-353781.1413	717137.3170250766	39.3872230596929	-102.0505527	237268.7088815668	4364189.211051873	3931.535630060619	3706.38884756687	3633.468309156678	3633.468309156678	39.1629193276187	98.3048327568838
28	190	139888	-353121.1413	717137.3170250766	39.38724805093995	-102.048219	237469.8139037572	4364185.0954913902	3930.344377016196	3704.8343817006	3633.495650828644	3633.129082	39.1629193276187	98.3048327568838
29	190	139889	-352461.1413	717137.3170250766	39.38727150207073	-102.0458853	237679.16003876	4364180.954813302	3928.15230523978	3703.429140716154	3633.171589120733	3633.171589120733	39.1629193276187	98.3048327568838
30	190	139890	-351801.1413	717137.3170250766	39.387296243074	-102.043516	237872.9756651027	4364178.964979402	3927.197377993703	3702.303743217362	3632.903887448423	3632.903887448423	39.1629193276187	98.3048327568838
31	190	139891	-351141.1413	717137.3170250766	39.38732021352317	-102.0412178	238073.2010826364	4364172.75002597	3925.55760078695	3701.161129287041	3629.580770697044	3629.580770697044	39.1629193276187	98.3048327568838
32	190	139892	-350481.1413	717137.3170250766	39.38734418	-102.038884	238274.322904457	4364168.63277953	3921.946995958525	3700.07408795212	3621.45028580959	3621.45028580959	39.1629193276187	98.3048327568838
33	190	139893	-349821.1413	717137.3170250766	39.3873680965204	-102.0365503	238475.4641232406	4364164.520732197	3918.334473131016	3699.150407497257	3617.547954396853	3617.547954396853	39.1629193276187	98.3048327568838
34	190	139894	-349161.1413	717137.3170250766	39.38739197040395	-102.0342165	238676.5658765952	4364160.40638902	3914.721546631098	3698.121002178516	3616.53151575142894	3616.53151575142894	39.1629193276187	98.3048327568838
35	190	139895	-348501.1413	717137.3170250766	39.38741579921052	-102.0318828	238877.687214951	4364156.25205396	3912.301835779375	3697.13602422521	3608.852079695626	3608.852079695626	39.1629193276187	98.3048327568838
36	190	139896	-347841.1413	717137.3170250766	39.3874439527440225	-102.029547	239078.904273078	4364152.179	3910.12380522867	3695.145794367	3607.49214104679	3607.49214104679	39.1629193276187	98.3048327568838
37	190	139897	-347181.1413	717137.3170250766	39.387472939146646	-102.0272152	239279.79293146646	4364148.064580548	3908.909533213968	3693.17827482585	3606.195273869837	3606.195273869837	39.1629193276187	98.3048327568838
38	190	139898	-346521.1413	717137.3170250766	39.3875075115673	-102.0248815	239481.049430363	4364143.95100588	3908.730511440054	3694.1415401389336	3604.410774379836	3604.410774379836	39.1629193276187	98.3048327568838
39	190	139899	-345861.1413	717137.3170250766	39.38751066366747	-102.0225477	239682.1703133995	4364139.837722588	3906.72846096153	3693.13773800645	3600.735611228967	3600.735611228967	39.1629193276187	98.3048327568838
40	190	139900	-345201.1413	717137.3170250766	39.38753427	-102.0202214	239883.2904274543	4364135.72458091	3904.909032675963	3692.117731804493	3602.5487809844718	3602.5487809844718	39.1629193276187	98.3048327568838
41	190	139901	-344541.1413	717137.3170250766	39.38755785233361	-102.0178802	240084.010282347	4364131.61764768	3901.089604387375	3690.10229246474	3606.331986533743	3606.331986533743	39.1629193276187	98.3048327568838
42	190	139902	-343881.1413	717137.3170250766	39.38758132675439	-102.015484	240265.5286799133	4364127.49867629	3898.270170903948	3689.084175077398	3604.1347911652076	3604.1347911652076	39.1629193276187	98.3048327568838
43	190	139903	-343221.1413	717137.3170250766	39.38760644987658	-102.013217	240466.649221067	4364123.48348004	3896.174833486004	3687.2305487896623	3603.285487896623	3603.285487896623	39.1629193276187	98.3048327568838
44	190	139904	-342561.1413	717137.3170250766	39.38762823003905	-102.010974	240678.763302616	4364119.2174129393	3891.1439279069905	3688.024134	3623.94158906192	3623.94158906192	39.1629193276187	98.3048327568838
45	190	139905	-341901.1413	717137.3170250766	39.38765168083947	-102								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WcLs	BRELEVbothKgr	BRELEVbothKgr	SurfTogElev	SurfBothKgr
127	139	139987	-287781.1413	717137.3170250766	39.38941520481542	-101.8171714	257379.77637829134	438376.658980267	3724.1355318271952	4575.479653732277	3443.4002734430593	3438.2422858341142	115.2336799191346
128	139	139988	-287121.1413	717137.3170250766	39.38943484128721	-101.8148375	257580.87469711984	436374.53681367	3718.797910177783	3551.21791692504	3440.6966175860252	3435.2051402479282	116.00608917025686
129	139	139989	-286461.1413	717137.3170250766	39.38944542629765	-101.8126306	257781.97826702053	436370.46882321	3533.4640536987521	3437.1605436987521	3439.728698791254	3433.4362508976521	115.8328272723047
130	139	139990	-285801.1413	717137.3170250766	39.38947398	-101.8101697	257983.0703160458	436376.763353708	3718.0224869901728	3546.604663618523	3437.0713635718	3428.4092568056177	118.1700167602942
131	139	139991	-285141.1413	717137.3170250766	39.3894348021793	-101.8078358	258184.16781655527	436376.278951488	3704.00230016922	3547.343889727755	3435.968109706746	3429.3882372682375	114.9845780060089
132	139	139992	-284481.1413	717137.3170250766	39.3895123664646	-101.8055019	258385.260364646	436378.148469052	3701.151962361205	3542.0812083437563	3434.786852708755	3429.489090421734	117.2943563500147
133	139	139993	-283821.1413	717137.3170250766	39.38953234743134	-101.803168	258586.36210069197	436375.049018928	3698.283926702904	3539.7845403116194	3433.47694575889	3429.3472959687	116.3084857357304
134	139	139994	-283161.1413	717137.3170250766	39.38955171342086	-101.8008341	258767.458884733	436374.996112448	3696.41875027404	3537.4871464046287	3432.101755684914	3431.165309865027	115.38046307233526
135	139	139995	-282501.1413	717137.3170250766	39.38957103426269	-101.7986033	258988.554430613	436374.502232367	3695.73665152277	3535.9152964686	3430.526898979123	3437.1605436987521	116.6872116677268
136	139	139996	-281841.1413	717137.3170250766	39.38959310151306	-101.7961654	259189.651777825	436371.801	3697.246276	3532.85987186481	3428.225054733595	3439.07056735544	116.6539243309156
137	139	139997	-281181.1413	717137.3170250766	39.3896054089501	-101.7938325	259390.74780720356	436373.710540056	3687.7558978052625	3530.6001581056107	3425.8225003496417	3425.8225003496417	98.95914720174387
138	139	139998	-280521.1413	717137.3170250766	39.389628726557596	-101.7914986	259591.8438363067	436373.612825813	3685.26551971404	3528.30541203647	3423.81535939203	3423.6942125642896	104.41611994778105
139	139	139999	-279861.1413	717137.3170250766	39.389647867139075	-101.7891647	259792.93823286625	436378.05295836	3682.008691997083	3526.0128410526474	3421.734245143947	3421.734245143947	108.68574541652105
140	140	140000	-279201.1413	717137.3170250766	39.3896662663939	-101.7868308	259994.03458951888	436375.435986117	3677.986213909683	3517.986213909683	3419.822598825975	3410.215113909077	113.5086550789132
141	140	140001	-278541.1413	717137.3170250766	39.38968601305853	-101.7844698	260195.12957	436372.134234852	3675.943678415114	3516.943678415114	3418.0658709123663	3409.957127335123	111.45395243134654
142	140	140002	-277881.1413	717137.3170250766	39.389705018396405	-101.7821673	260396.22469149602	436377.250775425	3669.9407275174173	3515.1621486777085	3416.2301404018026	3409.429362	102.9320418592655
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149	140	140009	-273261.1413	717137.3170250766	39.389847865319457	-101.7658477	261801.0729371034	436365.444649033	3637.76712540426	3503.76712540426	3405.9374029174	3399.69730754135	102.674005561376
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151	140	140011	-271941.1413	717137.3170250766	39.38987403777607	-101.7611578	262206.067904157	436368.42742197	3633.358019	3499.28239052153	3407.160317105964	3408.76607464177	92.1222194289852
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173	140	140033	-257421.1413	717137.3170250766	39.39027182334855	-101.7098115	266630.0463207155	436360.948410555	3650.55610431	3460.570326827936	3386.4318840259963	3387.4746004244	93.680026782925
174	140	140034	-256761.1413	717137.3170250766	39.39029893611465	-101.7074776	266831.3137039986	436356.39881821	3648.502942758335	3459.36174778072	3388.69346385357	3388.	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SatHtKgr.f	SatHtBotHr.f
253	190	14113	-204621.1413	717137.3172052076	39.39153437805756	-101.5230932	282716.3319522331	4323624.243338852	3526.617709	3326.456004707402	3256.839087629492	3257.031885268892	102.6179170771008	101.42411943850993
254	190	14114	-203961.1413	717137.3172052076	39.39154833408824	-101.5207592	282917.4015945249	4323620.173848471	3527.02037	3356.934057623596	3254.37567154772	3255.9643047051276	102.54846566821	101.4276211788237
255	190	140115	-203931.1413	717137.3172052076	39.39156478304166	-101.5184652	283118.4710229686	4323596.10371902	3526.2697968258	3355.9743239278	3254.040521038316	3252.324549851891	102.3242549851891	101.333328864413
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257	190	140117	-201981.1413	717137.3172052076	39.39158993167156	-101.5137572	2835260.692	4323427.06300565	3525.7165980416234	3348.999376522665	3249.01622646592	3252.25722999667	101.5021879677898	99.9671820842377
258	190	140118	-201321.1413	717137.3172052076	39.39160373073628	-101.5114231	283721.67802766257	4323434.89598182	3513.7185517451245	3350.6171237351155	3249.87072800003	3251.867565153995	101.564150935111	98.74946711971597
259	190	140119	-200661.1413	717137.3172052076	39.39161747396948	-101.5090891	283922.7466033636	4323426.36742134777	3510.8558851662434	3348.999376522665	3249.01622646592	3251.867565153995	99.9671820842377	97.80045733888634
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262	190	140122	-198681.1413	717137.3172052076	39.39165835927948	-101.502087	284525.951054307	4323277.621901374	3505.253772915253	3344.0699121500115	3246.999222809765	3247.9187182372	97.070698930535	96.6901032127715
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265	190	140125	-196701.1413	717137.3172052076	39.39169887482453	-101.495085	285129.1536	4323154.181820119	3502.45076526113	3339.0482504769966	3246.855786234355	3247.26074049329	92.1924624266121	91.78752066766763
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269	190	140129	-194061.1413	717137.3172052076	39.39175226436017	-101.4857488	285933.402695376	4323015.491738698	3500.2358774193047	3322.263600701008	3244.45718993139	3244.064178	87.80641013360894	88.19942161015797
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272	190	140132	-192081.1413	717137.3172052076	39.39179178311766	-101.4787467	286536.6188019819	4323013.86950432279	3371.1359014325247	3327.871753402916	3236.3751643	3237.871753402916	86.2941480304413	90.5642528903478
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294	190	140154	-177561.1413	717137.3172052076	39.3920696552632	-101.427378	290960.0142976126	4323015.363493117	3491.365754	3291.36778251814	3196.317346970415	3194.427485	91.5705068817924	94.5451079479134
295	190	140155	-176901.1413	717137.3172052076	39.39208197157416	-101.4251486	291158.74939325	4323015.2946	3490.7671306144	3289.17862132401	3194.317346970415	3192.7271366227	92.8181509784954	92.8181509784954
296	190	140156	-176241.1413	717137.3172052076	39.39209378	-101.4227297	291362.13861851975	4323009.442126963	3493.5287746175566	3290.11538114271	3194.688795484362	3195.178441742873	94.4265019727555	94.37692939022454
297	190	140157	-175581.1413	717137.3172052076	39.392105792870126	-101.420356	291563.19682							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.f	BRElevBothKrg.f	SatHtLogKrg.f	SatHtBoth.f
379	100	140239	-121461.1413	717137.31720250766	39.392937/78749738	-101.2290909	408949.4908	4362753.025217451	3801.24028428602883	3801.1945481816992	3089.345364024122	3089.274377699894	91.8207107480154
380	100	140240	-120801.1413	717137.31720250766	39.3929466266439	-101.2266686	308250.535082408	436274.896080321	3283.575670404583	3178.791759185302	3086.693121896982	3086.693121896982	92.1903173045763
381	100	140241	-120141.1413	717137.31720250766	39.3929492924386	-101.2243327	308451.5782278402	436274.8343934923	3286.7484712260283	3176.26341178057235	3084.6614178057235	3084.6614178057235	91.720466137232352
382	100	140242	-119481.1413	717137.31720250766	39.392946277736106	-101.22196645	308652.623177766	436274.8343934923	3291.62112554077389	3178.8781676	3082.991080951773	3083.081421400771	90.7965314
383	100	140243	-118821.1413	717137.31720250766	39.39297071640735	-101.2196645	308853.6664425396	436273.648273148	3289.8883957584	3171.376132091861	3081.78612572680294	3081.78612572680294	89.660441169125
384	100	140244	-118161.1413	717137.31720250766	39.39297871245788	-101.2173304	309054.70351204774	436273.648273148	3291.6811335013507	3168.851508275154	3080.98601573526	3080.98601573526	87.5795149716184
385	100	140245	-117501.1413	717137.31720250766	39.39298616218751	-101.2149862	309255.7539116555	436273.648273148	3292.3663270924389	3166.310963026555	3080.786476730692	3080.786476730692	85.257726256048
386	100	140246	-116841.1413	717137.31720250766	39.392994766829624	-101.2126621	309456.7917148825	436272.7417666319	3298.245722097372	3173.795041806414	3081.259019292488	3081.259019292488	82.2498810204495
387	100	140247	-116181.1413	717137.31720250766	39.3929722688416	-101.210328	309657.8401316875	436272.7417666319	3296.240775491212	3165.18971422002784	3080.59692384968	3080.59692384968	81.48932268694023
388	100	140248	-115521.1413	717137.31720250766	39.393010540851166	-101.207939	309859.8629619535	436271.651598111	3296.4468981846903	3158.82744508114	3085.00392389649	3085.00392389649	73.7536301
389	100	140249	-114861.1413	717137.31720250766	39.39301851	-101.2056598	310059.9258059314	436271.651598111	3296.656407181055	3156.051626869676	3088.920973	3088.920973	67.1415871231109
390	100	140250	-114201.1413	717137.31720250766	39.3930263452246	-101.203257	310260.968004114	436270.546331414	3296.864132125484	3153.47127993520	3093.760547794283	3093.760547794283	59.67059220134136
391	100	140251	-113541.1413	717137.31720250766	39.393034173126685	-101.200916	310462.010332154	436270.546331414	3296.891339772206	3150.8887412141285	3099.408426652044	3099.705123667273	51.8308245892041
392	100	140252	-112881.1413	717137.31720250766	39.3930418474331	-101.1986575	310663.052422807	436270.546331414	3297.137780040076	3148.3037514486346	3101.903377317406	3102.317406013804	45.98258454949613
393	100	140253	-112221.1413	717137.31720250766	39.39304953687221	-101.196323	310864.0943239623	436269.419933946	3296.584220307945	3145.718382132699	3099.345963480133	3099.345963480133	46.17048632899302
394	100	140254	-111561.1413	717137.31720250766	39.393051524968756	-101.193847	311063.1360396929	436269.419933946	3297.2425091121983	3143.13372269348	3094.760477316738	3094.760477316738	46.37312489576446
395	100	140255	-110901.1413	717137.31720250766	39.39306477966733	-101.191651	311266.1757018875	436268.369506314	3294.471579758367	3140.551043166986	3088.841932648708	3088.841932648708	51.70103260901
396	100	140256	-110241.1413	717137.31720250766	39.39307233333345	-101.189321	311467.21897181224	436268.369506314	3296.9677855587	3137.91318085549	3082.252124750074	3082.252124750074	55.980515650835
397	100	140257	-109581.1413	717137.31720250766	39.39307984211168	-101.186989	311668.260105805	436268.252082529	3293.442755952127	3135.3960611325918	3077.98272810288	3077.98272810288	57.54243913742546
398	100	140258	-108921.1413	717137.31720250766	39.39308730572298	-101.1846528	311869.3070760466	436267.7612377931	3292.917750740039	3132.822461	3074.385650948416	3074.40770693366	58.3481022145136
399	100	140259	-108261.1413	717137.31720250766	39.39309472420514	-101.1823187	312070.34184911574	436267.7612377931	3291.412257883967	3130.254483979027	3070.76366722954	3070.76366722954	59.2584703863958
400	100	140260	-107601.1413	717137.31720250766	39.39310209762019	-101.1799485	312271.38245821626	436266.132017588	3298.92587524794	3127.995538910657	3067.1941981123476	3067.1941981123476	60.23570517845976
401	100	140261	-106941.1413	717137.31720250766	39.39311549498836	-101.176587	312478.638285575	436266.132017588	3297.227300017000714	3125.15094012121983	3064.69892187493	3064.69892187493	61.9993896817626
402	100	140262	-106281.1413	717137.31720250766	39.39311670918742	-101.1753163	312673.463155337	436266.051558323	3283.952997	3122.6717844609103	3060.305130523296	3060.752486181116	61.8648907279415
403	100	140263	-105621.1413	717137.31720250766	39.39312349733331	-101.1728822	312874.503183711	436265.016290795	3281.447429261	3120.6470302732324	3057.0621550133174	3057.0621550133174	62.52905462752094
404	100	140264	-104961.1413	717137.31720250766	39.3931314040341	-101.1706481	313075.5430590556	436265.016290795	3282.96719100081	3117.5753904569156	3054.11928600208	3054.5844385315077	62.9905193
405	100	140265	-104301.1413	717137.31720250766	39.39313828837966	-101.1683139	313276.5827513987	436264.931	3276.3981447074223	3115.0506144353765	3051.4044826834893	3051.4044826834893	63.1497085187778
406	100	140266	-103641.1413	717137.31720250766	39.39314539126816	-101.165979	313477.6226120059	436264.930407289	3278.8735011578456	3112.508642889255	3049.29843570972	3049.29843570972	62.85676217992658
407	100	140267	-102981.1413	717137.31720250766	39.39315249498836	-101.163687	313678.69114483	436264.930407289	3277.227300017000714	3109.742956164436	3047.98924887276	3047.98924887276	61.9993896817626
408	100	140268	-102321.1413	717137.31720250766	39.39315946718164	-101.1613116	313879.707328336	436263.818496838	3276.35145377915	3107.355145377915	3046.4304269480984	3046.4304269480984	60.622823785525
409	100	140269	-101661.1413	717137.31720250766	39.39316642940559	-101.1589775	314080.7396954637	436263.716258051	3265.74418020334	3104.766541904207	3045.5641085354743	3045.5641085354743	58.8925046771434
410	100	140270	-101001.1413	717137.31720250766	39.39317335194366	-101.1564433	314281.7784761846	436262.773730809	3262.7874302407232	3102.158637079811	3044.9080909797357	3044.9080909797357	57.10748615999686
411	100	140271	-100341.1413	717137.31720250766	39.393182039286	-101.1543092	314482.817075195	436262.699403309	3260.780455990374	3099.573281825944	3044.253203375793	3044.3817562737115	55.152565216988
412	100	140272	-99681.1413	717137.31720250766	39.39318706175416	-101.1519751	314683.8549626974	436261.961	3256.98617590419	3102.80235601153	3043.5531917480903	3043.5531917480903	53.4520047502051
413	100	140273	-99021.1413	717137.31720250766	39.39319384902754	-101.149641	314884.897289306	436261.832348845	3254.8645981867657	3104.467012430987	3042.585135572041	3042.728591810156	51.73842074897128
414	100	140274	-98361.1413	717137.31720250766	39.39320051211304	-101.147308	315082.3317840154	436261.832348845	3253.727300017000714	3103.1418168168	3041.530868193224	3041.530868193224	50.247857
415	100	140275	-97701.1413	717137.31720250766	39.39320728831077	-101.1449727	315286.96965624004	436260.548905054	3249.459275898544	3099.425478991134	3040.2954780991134	3040.2954780991134	48.87796942734565
416	100	140276	-97041.1413	717137.31720250766	39.39321340323434	-101.1426386	315488.0074517136	436260.548905054	3246.90592757977	3098.959527781807	3038.872403188067	3038.872403188067	47.2540195477943
417	100	140277	-96381.1413	717137.31720250766	39.39322054745065	-101.1403045	315689.0466479634	436259.574396384	3235.25708364714	3084.560135868672	3036.750126236614	3036.750126236614	45.2894861850545
418	100	140278	-95721.1413	717137.31720250766	39.39322711	-101.1379703	315890.08297516	436259.46731437	3228.6581912096307	3082.1511935460803	3026.998605082155	3027.19113206107	54.960053397322
419	100	140279	-95061.1413	717137.31720250766	39.3932335824365	-101.1356362	316091.1149502978	436259.319989716	3226.9931515296385	3079.73367511069	3027.318039319152706	3027.318039319152706	62.6992245610021
420	100	140280	-94401.1413	717137.31720250766	39.39324009746201	-101.1330231	316292.1564216116	436258.736340107	3219.970180136247	3077.4284861070584	3021.4136304007584	3021.4136304007584	65.99222570451152
421	100	140281	-93741.1413	717137.31720250766	39.3932465942465	-101.130638	316493.1163692	436258.736340107	3218.3441149198297	3075.3441149198297	3020.4401198297	3020.4401198297	67.28689837880364
422	100	140282	-93081.1413	717137.31720250766	39.39325290553328	-101.1283638	316694.22980312616	436258.736340107	3217.84861249034	3072.83246107546	3020.632419447166	3020.632419447166	69.278357673097
423	100	140283	-92421.1413	717137.31720250766	39.3932594192685	-101.126297	316895.26626463735	436257.25083158	3207.086183496456	3070.579948429964	3041.179732190263	3041.179732190263	66.0021623973325
424	100	140284	-91761.1413	717137.31720250766	39.39326553232366	-101.1239566	317096.3025	436257.25083158	3206.36397242748	3068.36397242748	3040.3586638796706	3040.3586638796706	63.07852307162739
425	100	140285	-91101.1413	717137.31720250766	39.3932717944967	-101.1216315	317297.338459857	436256.183316955	3201.1849339346252	3066.16493526055	3040.188904079608	3040.188904079608	60.944070462317965
426	100	140286	-90441.1413	717137.31720250766	39.3932798057929	-101.1192973	317488.3749						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SatHtKgr.f	SatHtBth.f
505	190	143065	-38301.14133	717137.3172025076	-39.396253963697	-00.9349001	333379.6636818158	4362244.989329335	3105.5185367061304	252.58186614954164	2849.0804663110744	2849.080170989827	43.43819514843202	103.3435349648937
506	190	143066	-37641.14133	717137.3172025076	-39.39637864695994	-00.9329566	333360.6859543457	4362240.369654064	3104.1431216270133	2951.2914336511422	2846.7208198116165	2846.7208198116165	43.43819514843202	103.3435349648937
507	190	143067	-36361.14133	717137.3172025076	-39.39644880573791	-00.9302518	333378.7906540747	4362236.9507994984	3102.8924841647003	2950.0272383716162	2845.07123892533	2845.07123892533	43.43819514843202	103.3435349648937
508	190	143068	-36321.14133	717137.3172025076	-39.39635037528964	-00.9278677	333382.73001411669	4362231.95181055	3101.664467656475	2848.9299416422923	2844.107255	2844.107255	43.43819514843202	103.3435349648937
509	190	143069	-35661.14133	717137.3172025076	-39.39635496315454	-00.9255635	334183.751801491	4362228.913102403	3100.575051884257	2847.78236336267	2843.143769808349	2843.143769808349	43.43819514843202	103.3435349648937
510	190	143070	-35001.14133	717137.3172025076	-39.39636791301176	-00.9232294	334384.77342742786	4362224.89453127	3099.27040702863	2846.647206	2842.333144779171	2842.333144779171	43.43819514843202	103.3435349648937
511	190	143071	-34341.14133	717137.3172025076	-39.3964027862213	-00.9208952	334585.794	4362220.2032414	3097.14042849503	2845.57192323047	2841.752192918333	2841.752192918333	43.43819514843202	103.3435349648937
512	190	143072	-33681.14133	717137.3172025076	-39.396462014231	-00.9189511	334786.81819595736	4362216.85052658	3094.963863451764	2843.8822462196	2841.431624955942	2841.431624955942	43.43819514843202	103.3435349648937
513	190	143073	-33021.14133	717137.3172025076	-39.39648480573791	-00.9162698	334867.873386921	4362212.84	3089.489888	2843.253742623306	2841.378912029144	2841.378912029144	43.43819514843202	103.3435349648937
514	190	143074	-32361.14133	717137.3172025076	-39.396471131953	-00.9138923	334918.8533213957	4362208.82349579	3089.0087423435234	2842.11032505983	2841.550550647908	2841.550550647908	43.43819514843202	103.3435349648937
515	190	143075	-31701.14133	717137.3172025076	-39.396449302170154	-00.9115588	335889.87914347443	4362204.805	3086.45252869813	2840.94564515389	2841.720417	2841.720417	43.43819514843202	103.3435349648937
516	190	143076	-31041.14133	717137.3172025076	-39.396514533521	-00.9092245	335590.89905334	4362200.78443825	3081.8515215232578	2840.794085877524	2840.838109805281	2840.838109805281	43.43819514843202	103.3435349648937
517	190	143077	-30381.14133	717137.3172025076	-39.3966354341147	-00.9068903	336391.9203073618	4362196.70289924	3077.177027282233	2839.59616640306	2839.257200863517	2839.257200863517	43.43819514843202	103.3435349648937
518	190	143078	-29721.14133	717137.3172025076	-39.39665556398915	-00.9045562	336992.406495836	4362192.1533328	3072.540316238769	2837.93017961069	2837.93017961069	2837.93017961069	43.43819514843202	103.3435349648937
519	190	143079	-29061.14133	717137.3172025076	-39.396670429755	-00.902222	337693.9606322629	4362188.73688027	3068.817075891452	2836.76986133676	2836.057224359655	2836.057224359655	43.43819514843202	103.3435349648937
520	190	143080	-28401.14133	717137.3172025076	-39.3966959710741	-00.9008878	338304.960856094	4362184.72004109	3065.980999740728	2834.029232011237	2833.77940545785	2833.77940545785	43.43819514843202	103.3435349648937
521	190	143081	-27741.14133	717137.3172025076	-39.396614842484	-00.8987537	338596.0071982376	4362180.70367289	3063.16742385909	2833.052561096265	2831.7524759563436	2831.7524759563436	43.43819514843202	103.3435349648937
522	190	143082	-27081.14133	717137.3172025076	-39.3966335746066	-00.8952195	336797.020425113	4362176.68	3060.34574731974	2832.05419156022	2829.49711638485	2829.49711638485	43.43819514843202	103.3435349648937
523	190	143083	-26421.14133	717137.3172025076	-39.39665185004075	-00.8928854	336988.03987168405	4362172.67155137	3058.1564671308914	2831.121267005927	2827.041267	2827.041267	43.43819514843202	103.3435349648937
524	190	143084	-25761.14133	717137.3172025076	-39.3966764745864	-00.8905512	337199.0594	4362168.65729955	3056.599852570264	2829.82151862525	2825.227671310821	2825.227671310821	43.43819514843202	103.3435349648937
525	190	143085	-25011.14133	717137.3172025076	-39.396687042841	-00.8882171	337400.07858948	4362164.64023303	3054.02698070114	2828.580462824775	2823.33021673748	2823.33021673748	43.43819514843202	103.3435349648937
526	190	143086	-24411.14133	717137.3172025076	-39.39667309710324	-00.8858829	337601.079611245	4362160.64287545	3053.458145532963	2827.77332077856	2821.343476436153	2821.343476436153	43.43819514843202	103.3435349648937
527	190	143087	-23811.14133	717137.3172025076	-39.3966944549979	-00.8832048	337802.1617805747	4362156.176877	3052.75189426204	2826.971315	2820.74147457453	2820.74147457453	43.43819514843202	103.3435349648937
528	190	143088	-23211.14133	717137.3172025076	-39.3967364538869	-00.8812146	338003.1353091464	4362152.9479314	3050.47058202937	2824.478134504202	2817.853467293515	2817.853467293515	43.43819514843202	103.3435349648937
529	190	143089	-22641.14133	717137.3172025076	-39.3967520339912	-00.8788805	338204.15392947473	4362148.57986621	3048.321454009745	2823.099798833023	2816.2611377492417	2816.2611377492417	43.43819514843202	103.3435349648937
530	190	143090	-22101.14133	717137.3172025076	-39.39676175207716	-00.8765463	338405.1724	4362144.56542234	3039.567079056974	2821.710383977523	2814.64185527998	2814.64185527998	43.43819514843202	103.3435349648937
531	190	143091	-21441.14133	717137.3172025076	-39.3967818215346	-00.8742121	338606.190654475	4362140.551	3037.303034550871	2820.367465459576	2813.11837846285	2813.11837846285	43.43819514843202	103.3435349648937
532	190	143092	-20841.14133	717137.3172025076	-39.3967960389754	-00.871878	338807.2087227137	4362136.33699333	3036.529596737966	2818.87282081412	2811.93218275133	2811.93218275133	43.43819514843202	103.3435349648937
533	190	143093	-20241.14133	717137.3172025076	-39.3968096052541	-00.8695348	339008.78965254	4362132.22827306	3035.758492891972	2817.455966	2810.708955464137	2810.708955464137	43.43819514843202	103.3435349648937
534	190	143094	-19611.14133	717137.3172025076	-39.39682947748024	-00.867297	339209.2846571215	4362128.5017448	3034.981820025273	2816.00951	2809.45812	2809.45812	43.43819514843202	103.3435349648937
535	190	143095	-18501.14133	717137.3172025076	-39.3968539859595	-00.8648755	339411.2622	4362124.495927221	3033.45096740712	2814.532056204772	2808.468329190374	2808.468329190374	43.43819514843202	103.3435349648937
536	190	143096	-17841.14133	717137.3172025076	-39.3968643996445	-00.8625414	339611.279726049	4362120.4082755	3031.187345374665	2813.04480524762	2806.69058759762	2806.69058759762	43.43819514843202	103.3435349648937
537	190	143097	-17181.14133	717137.3172025076	-39.396880628408	-00.8602072	339812.29170728734	4362116.46905812	3028.91569	2811.537356630322	2804.7782067615	2804.7782067615	43.43819514843202	103.3435349648937
538	190	143098	-16521.14133	717137.3172025076	-39.3968971849485	-00.8578731	340012.314326375	4362112.46804548	3026.751835950974	2810.00850111586	2802.956187611332	2802.956187611332	43.43819514843202	103.3435349648937
539	190	143099	-15861.14133	717137.3172025076	-39.3968826961675	-00.8558389	340214.312963314	4362108.43131413	3025.725069916755	2808.45487	2806.74675993254	2806.74675993254	43.43819514843202	103.3435349648937
540	190	143100	-15241.14133	717137.3172025076	-39.3968925446979	-00.8532048	340415.3817805747	4362104.3411397	3024.81745596	2807.748252645	2805.74147457453	2805.74147457453	43.43819514843202	103.3435349648937
541	190	143101	-14541.14133	717137.3172025076	-39.3968970593694	-00.8508706	340616.3649027579	4362100.41836948	3023.825210365354	2806.5210365354	2804.71540437438	2804.71540437438	43.43819514843202	103.3435349648937
542	190	143102	-13881.14133	717137.3172025076	-39.3969134144929	-00.8485364	340817.38147523794	4362096.406194961	3022.026890171224	2803.602293982297	2803.71310742731	2803.71310742731	43.43819514843202	103.3435349648937
543	190	143103	-13221.14133	717137.3172025076	-39.396922571573	-00.8462023	341018.3987891904	4362092.39421991	3020.7191454669286	2802.796756330676	2802.796756330676	2802.796756330676	43.43819514843202	103.3435349648937
544	190	143104	-12561.14133	717137.3172025076	-39.3969314789338	-00.8438681	341219.414148754	4362088.32444355	3020.64593707806	2801.96938608785	2801.794570400576	2801.794570400576	43.43819514843202	103.3435349648937
545	190	143105	-11901.14133	717137.3172025076	-39.3969383482365	-00.841534	341420.403553266	4362084.370985812	3020.91414477046	2800.426042155304	2800.79997614384	2800.79997614384	43.43819514843202	103.3435349648937
546	190	143106	-11241.14133	717137.3172025076	-39.39694773962176	-00.8391958	341621.44630797254	4362080.359488332	3020.182354714864	2800.632596903297	2800.791690938093	2800.791690938093	43.43819514843202	103.3435349648937
547	190	143107	-10581.14133	717137.3172025076	-39.3969581989056	-00.8368277	341822.463977777	4362076.004749707	3019.372148502796	2800.791690938093	2800.791690938093	2800.791690938093	43.43819514843202	103.3435349648937
548	190	143108	-9921.14133	717137.3172025076	-39.39696871971514	-00.8345515	342023.4775208624	4362072.373304251	3018.570756871857	2800.97137697307	2800.791690938093	2800.791690938093	43.43819514843202	103.3435349648937
549	190	143109	-9261.14133	717137.3172025076	-39.396987494828	-00.8321974	342224.94324							

ix	iy	lc	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKg.ft	BRElevBothKg.ft	SatElevLog.ft	SatElevBoth.ft
631	190491	44858.85867307335	717137.3170250766	39.39359716665232	-100.6407967	358707.2613591916	436170.110909142	2922.416601090942	273.063667365155	2671.235521837932	2684.505903288447	51.828145527223114	38.5577460760828	
632	190492	45518.85867307335	717137.3170250766	39.39355407951224	-100.6384626	358908.2648533495	436176.124789204	2922.953178034035	272.119270696737	2669.3440874	2686.159888804040	51.851234667093515	38.531031889264294	
633	190493	46178.85867307335	717137.3170250766	39.39357249183846	-100.6361284	359109.2867163574	436178.130891971	2923.498465599953	270.8153601779005	2667.21184528214	2683.1272835871974	51.82272835971974	34.2068738457071	
634	190494	46818.85867307335	717137.3170250766	39.39358776966602	-100.6337493	359127.1371974166	436178.136804254	2923.4027957452187	271.7505078450251	2663.42749553052	2680.03251411336	52.0003189746917	35.5182704	
635	190495	47498.85867307335	717137.3170250766	39.39358455	-100.6314601	35951.2744773505	436172.143109227	2923.364181123806	271.58677283312915	2663.404078953046	2683.447301578554	52.2793603728866	32.24042817343616	
636	190496	48158.85867307335	717137.3170250766	39.39358128006509	-100.629126	35971.2773805171	436170.149612483	2921.500051147451	271.71585494002407	2661.3848551612587	2684.1297489661676	52.50099424	29.75610074073106	
637	190497	48818.85867307335	717137.3170250766	39.39357768748163	-100.6267819	35993.28017796925	436176.156314017	2919.6357416788414	271.0249743662055	2659.304232860483	2686.87036565228	52.79322127	25.2271299869289	
638	190498	49481.85867307335	717137.3170250766	39.39357409809534	-100.6244577	36014.2828402943	436171.123213821	2917.77413167201	270.1203186715131	2657.192024156467	2689.056249495687	53.12786258963196	21.25434417427387	
639	190499	50138.85867307335	717137.3170250766	39.39357120704877	-100.6221235	36035.263698884	436176.703113684	2918.498665512983	270.8153601779005	2655.1368297807543	2688.5740261148896	53.14837521448986	24.877693873091846	
640	190500	50798.85867307335	717137.3170250766	39.3935712919385	-100.6197894	360516.287076389	436170.17780819	2917.40738021052	270.75925536398	2652.955535398	270.855595187168	53.62675394072269	35.9362767080269	
641	190501	51458.85867307335	717137.3170250766	39.39356426626135	-100.6174552	360710.280185566	436170.185107252	2907.786115956246	270.5036032708555	2650.380938384002	2656.004715	54.69484817245527	49.0291746259332	
642	190502	52118.85867307335	717137.3170250766	39.393560728234675	-100.6151211	360918.2914243783	436169.129795538	2904.1648517198966	270.3723471405542	2647.838465251991	2658.0229249889	54.43500578395105	37.3711891465277	
643	190503	52778.85867307335	717137.3170250766	39.393557145119395	-100.6127899	36119.2941322118	436169.280688552	2902.378654830936	270.151571497935	2645.366718525815	2668.428565346324	54.1489956713979	33.0870555463234	
644	190504	53438.85867307335	717137.3170250766	39.3935531691548	-100.6104528	36120.295980871	436168.280775776	2902.4202312549196	269.75555880868	2643.10473643119	267.17919039350793	56.65082145196902	27.9736395	
645	190505	54098.85867307335	717137.3170250766	39.39354984932299	-100.6081186	361521.297102735	436168.2717063213	2907.991423906247	269.799142580647	2641.180382615598	267.28612414706517	56.014246940785	30.7863813975098	
646	190506	54788.85867307335	717137.3170250766	39.39354612524188	-100.6057845	361722.290286747	436168.22554843	2906.214623466502	269.621462346502	2639.56145458454	267.2061772722304	56.6600774820486	31.1808572144209	
647	190507	55418.85867307335	717137.3170250766	39.39354281721814	-100.6034063	361923.308	436167.234223662	2901.431893148666	269.444577505565	2638.2809181747357	2665.484935414545	56.13666833092493	28.598502191019628	
648	190508	56078.85867307335	717137.3170250766	39.3935385531391	-100.6111162	362124.3027674345	436167.243114663	2899.225307287515	269.261307287515	2637.2619326425465	266.515410505474	56.39937464496285	26.1451532369741	
649	190509	56738.85867307335	717137.3170250766	39.393534699567034	-100.598782	362325.302662201	436168.252194832	2897.019263004541	269.807202469415	2636.35997129628	2661.183894249986	54.515046647874	29.688129768412624	
650	190510	57398.85867307335	717137.3170250766	39.3935308	-100.5964479	362526.304233032	436168.264173164	2894.812947937613	269.077353648417	2635.429431962743	2659.425368484171	54.6475197779759	29.651716969587653	
651	190511	58098.85867307335	717137.3170250766	39.39352685707007	-100.5941138	362727.30524738654	4361660.271	2893.34365720341	268.7727336256367	2634.14282312081	2659.068167565362	53.1341054075558	28.20960600017479	
652	190512	58718.85867307335	717137.3170250766	39.39352280905028	-100.5917916	362928.306348575	436166.260634279	2895.461791165346	268.571700898396	2632.49678172524	2657.262737363875	52.9179376231149	28.208662329989104	
653	190513	59388.85867307335	717137.3170250766	39.39351824949645	-100.5892494	363129.308997871	436166.259892946	2896.870549293706	268.259100134847	2631.51183230746	2657.3585825128443	52.859825128443	28.208662329989104	
654	190514	60038.85867307335	717137.3170250766	39.39351470500428	-100.5871113	363330.3072273814	436164.300576394	2891.146855852149	268.0184451795467	2628.242681	2659.7042605620963	53.0316489717634	22.10420572771143	
655	190515	60698.85867307335	717137.3170250766	39.39351063	-100.5847772	363531.307624306	436164.318308945	2891.09158554019	268.02189921549	2625.94306843012	2658.038214947201	52.88820454736519	22.8820454736519	
656	190516	61358.85867307335	717137.3170250766	39.39350641559376	-100.582443	363732.3078894314	436164.321304065	2891.73311062994	267.820214226133	2624.103032889072	2649.038517841867	54.098781107166	29.1642423444466	
657	190517	62018.85867307335	717137.3170250766	39.39350224720415	-100.5801089	363933.308023387	436163.31969276	2892.335034612694	267.681562555145	2622.68761653927	2630.94736011979	54.3839130127616	45.4340055442498	
658	190518	62678.85867307335	717137.3170250766	39.3934978776041	-100.5777747	364134.3080262174	436163.324832858	2892.958158156045	267.5416727218094	2621.67685973036	2651.952421161834	52.9044012405576	22.60925110325233	
659	190519	63338.85867307335	717137.3170250766	39.393492832817	-100.5759106	364330.3078987267	436163.328893975	2892.8476485615405	267.27447590419365	2621.581828813028	2651.952421161834	52.9044012405576	22.60925110325233	
660	190520	63998.85867307335	717137.3170250766	39.39348933317549	-100.5737029	364530.3078987267	436163.328893975	2892.8476485615405	267.27447590419365	2621.581828813028	2651.952421161834	52.9044012405576	22.60925110325233	
661	190521	64658.85867307335	717137.3170250766	39.39348388824	-100.5707723	364737.3072507619	436163.316700565	2891.1677631281545	266.96126991	2621.6901373737264	2649.483040485634	51.43686317158361	19.64338905067623	
662	190522	65318.85867307335	717137.3170250766	39.3934804910055	-100.5684382	364938.3067315953	436162.38626453	2890.32373098199	266.73137098199	2621.833696550517	2647.49764341282	51.46774341282	26.96611004	
663	190523	65978.85867307335	717137.3170250766	39.39347601421435	-100.566104	365139.306824337	436162.40011272	2888.67592394675	266.549697828406	2621.364673022284	2636.482773315477	51.18502474617753	29.06692451292836	
664	190524	66638.85867307335	717137.3170250766	39.3934714842397	-100.5637699	365340.3053043675	436160.41171738	2886.21207200753	266.37573238392	2621.5403270855135	2635.3126037001	52.4545247878696	28.24545247878696	
665	190525	67298.85867307335	717137.3170250766	39.3934699917667	-100.5614388	365541.304394938	436160.44241352	2883.746220469585	266.2041171891033	2621.6438496765857	2633.019752116324	52.89178912545191	29.02138773405187	
666	190526	67958.85867307335	717137.3170250766	39.39346228925166	-100.5591016	365742.303570047	436160.43890246	2882.67498293706	265.920100134847	2621.74600101943	2631.51183230746	52.859825128443	28.208662329989104	
667	190527	68618.85867307335	717137.3170250766	39.3934576237851	-100.5567675	365947.302718998	436159.44514582	2880.878217138485	265.8580872881055	2621.6380872881055	2629.83276538293	52.1068785192995	28.79863072812034	
668	190528	69278.85867307335	717137.3170250766	39.39345291345682	-100.5544333	366144.30093832094	436159.442435892	2880.752625413906	265.6790323202413	2621.7798896	2631.52176353017	52.89178912545191	25.4538595722417	
669	190529	69938.85867307335	717137.3170250766	39.3934481580403	-100.5520992	366345.294968743	436158.458745	2874.1684611579637	265.59912149706	2616.4401318926575	2632.0568057598	52.89178912545191	23.30325604270954	
670	190530	70598.85867307335	717137.3170250766	39.3934435753483	-100.549765	366547.291556724	436158.458745	2874.1684611579637	265.59912149706	2616.4401318926575	2632.0568057598	52.89178912545191	23.30325604270954	
671	190531	71258.85867307335	717137.3170250766	39.39343851194123	-100.5474309	366747.296330185	436158.02077784	2869.027177757818	265.2473073238392	2624.4445270319632	2634.0464936018	52.89178912545191	23.30325604270954	
672	190532	71918.85867307335	717137.3170250766	39.3934332129255	-100.5450968	366948.294243883	436158.02077784	2869.027177757818	265.2473073238392	2624.4445270319632	2634.0464936018	52.89178912545191	23.30325604270954	
673	190533	72578.85867307335	717137.3170250766	39.3934285449643	-100.5428718	367148.293570047	436157.51513426	2868.0271883513505	265.0746218688379	2623.4445270319632	2634.0464936018	52.89178912545191	23.30325604270954	
674	190534	73238.85867307335	717137.3170250766	39.3934237042677	-100.5404285	367349.290025015	436156.54376589	2867.0271883513505	264.8573173294922	2624.70082053174	2632.13255120079	52.89178912545191	23.30325604270954	
675	190535	73898.85867307335	717137.3170250766	39.3934186786054	-100.5380044	367551.2882371797	436156.54376589							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatfElev1913.ft	SatfBoth1.ft
17	19	140617	-360831.1413	71797.3170250766	39.38879261383773	-102.0739218	235261.58884326252	4364431.690662701	3951.5149033196467	3721.540286	3634.284103687135	3634.059990984204	37.2561791328506	84.08249454
18	19	140618	-359721.1413	71797.3170250766	39.38871220957329	-102.0719588	235462.17446621405	4364427.57281479	3948.2660970187995	3637.074290359846	3632.5650210485497	3632.32635464480804	37.5490778913492	87.6473458887516
19	19	140619	-358501.1413	71797.3170250766	39.38884176022159	-102.0692452	235663.626965161	4364423.455170176	3945.39126198811478	3638.28925322223	3631.918049891744	3632.251032003683	38.115382693694	86.2674925
20	19	140620	-358401.1413	71797.3170250766	39.38886605812528	-102.0669204	235864.9642949626	4364419.373728854	3942.880455	3716.815248023153	3631.858573	3631.785740661413	84.95675618	85.0259741409204
21	19	140621	-357741.1413	71797.3170250766	39.38890726316184	-102.0645866	236066.08976155502	4364415.220408616	3939.363992654949	3715.228068028033	3631.09051023777	3631.0544773032114	84.1330179	84.17359139068185
22	19	140622	-357081.1413	71797.3170250766	39.38891253	-102.0622528	236267.214336054	4364411.103405607	3937.858432034348	3713.67253669672	3630.684527077383	3630.544169667228	82.84741265922903	83.03909648973948
23	19	140623	-356421.1413	71797.3170250766	39.388939512091156	-102.059919	236468.3386051012	4364406.968626548	3935.760092924658	3712.045320106184	3630.682418972665	3630.6232091585726	81.3627871397265	81.4128968204583
24	19	140624	-355671.1413	71797.3170250766	39.38893837362404	-102.0578582	236669.462729213	4364407.96996344	3934.470467252849	3710.455997	3631.1908912455197	3631.271541257498	78.5621052896203	79.1845627764197
25	19	140625	-355011.1413	71797.3170250766	39.38894176022159	-102.0555216	236870.5964954284	4364406.7538713175	3933.38925322223	3708.87698821564	3631.918049891744	3632.251032003683	76.76474925	86.2674925
26	19	140626	-354441.1413	71797.3170250766	39.3890123562721	-102.0529177	237071.7010239703	4364404.637349659	3930.730803331678	3710.7310815732748	3632.7573595711724	3633.0331871192776	74.555859209205	74.2742708
27	19	140627	-353781.1413	71797.3170250766	39.38903654271066	-102.0505839	237272.8339237857	4364390.521331185	3929.2493943386574	3705.780522078766	3633.7487005172355	3634.0641481198366	72.12071363055045	71.724030409505032
28	19	140628	-353121.1413	71797.3170250766	39.3890606767143	-102.0482501	237473.95630318957	4364386.405515947	3928.80648943385	3704.3216072495024	3634.7273166525755	3634.9416293921277	69.5942905919761	69.37997786
29	19	140629	-352461.1413	71797.3170250766	39.3890847855448	-102.0459163	237675.0790523897	4364382.289903248	3926.80262548011	3702.958813613531	3634.1794035943144	3634.1695373314583	68.7892672643281	68.778926726320793
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38	19	140638	-346521.1413	71797.3170250766	39.3892965802048	-102.024912	239485.17221991386	4364345.25835075	3908.20127469818	3693.471925354208	3608.00563814949	3605.46393525449	96.30194822	96.30194822
39	19	140639	-345861.1413	71797.3170250766	39.38932441711205	-102.022584	239687.3010407017	4364347.687	3908.2346288891	3692.170845453176	3608.85020421478	3609.505634042	100.364821668134	100.364821668134
40	19	140640	-345201.1413	71797.3170250766	39.3893491113614	-102.020243	239887.4122789138	4364337.031581068	3904.258301	3691.4842031421216	3609.087541767035	3609.2575626725884	106.390964338663	106.390964338663
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43	19	140643	-343221.1413	71797.3170250766	39.38941745274104	-102.0132429	240490.7704	4364324.69269153	3896.6795	3688.4021470317777	3616.590929175991	3615.881489767237	71.8118852718686	103.2119657264339
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45	19	140645	-341901.1413	71797.3170250766	39.389464262	-102.0085752	240893.0079183772	4364316.467743528	3892.3385235185336	3686.306226185336	3626.856274530217	3627.04045568885	97.17644848	97.17644848
46	19	140646	-341241.1413	71797.3170250766	39.389488158480286	-102.0052414	241094.2104	4364312.59	3885.3815056747	3684.19377711763	3614.190313043144	3612.779831921763	43.438473971162	72.7974742306446
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49	19	140649	-339261.1413	71797.3170250766	39.3895573188256	-101.9992399	241697.47891025104	4364300.20329587	3878.697762	3682.26723339629	3632.158130505543	3612.7818778216592	50.146901845672	69.48048517796971
50	19	140650	-338601.1413	71797.3170250766	39.38958047207268	-101.9969061	241898.5971426705	4364305.90883335	3876.7925136543386	3681.234073098272	3622.613438784943	3614.82939290514	58.8805831206779	68.5548048531328
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52	19	140652	-337281.1413	71797.3170250766	39.38962626120289	-101.992284	242300.3010407017	4364287.687	3869.2346288891	3679.170845453176	3608.85020421478	3609.505634042	100.364821668134	100.364821668134
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57	19	140657	-333981.1413	71797.3170250766	39.38974182546705	-101.9805692	243306.41132217844	4364267.135294047	3848.621738935956	3673.98547963747	3673.9731764543554	3673.95914251999050	105.121166624634	105.121166624634
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61	19	140661	-331341.1413	71797.3170250766	39.38983218250853	-101.9712338	244110.7069869207	4364250.69728289	3837.77597399161	3669.800935607092	3664.107939181238	3654.5841		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatHtKds.f	SatHtBoth.f
13	191	14073	-277221.1413	171797.3170250766	36.39153667867138	-107.798535	260601.419252748633	349319.441	3663.696604	35.16.423804697226	3413.0696745350504	3408.2505493492915	3413.5423016217555	106.1687702039344
144	191	14704	-276661.1413	171797.3170250766	36.39155559430023	-107.775195	260802.5134502394	4363970.148265143	3668.21776543899234	34.14.759867389254	3411.822692569254	3411.82562794472932	107.7074649650624	95.52876910707936
145	191	14705	-276901.1413	171797.3170250766	36.39154820960968	-107.761865	26103.0037611382	436396.2561807321	3651.3404927497244	34.10.437801130759	3416.4123861730859	3410.5031268196543	101.5031268196543	95.52876910707936
146	191	14706	-275241.1413	171797.3170250766	36.39159329040039	-107.728116	261204.7011363823	436380.162498731	3650.2602853466398	35.09.727729172724	3410.0661506811625	3416.21624175406486	96.6546211056485	93.9434458
147	191	14707	-274581.1413	171797.3170250766	36.39161207801163	-107.705176	261405.794625442	436380.072619133	3645.10119141507	35.07.5186874040635	3408.635695353538	3416.000066	96.8826940470534	97.51682312192334
148	191	14708	-273921.1413	171797.3170250766	36.391630081	-107.761837	261606.887877056	436389.981141034	3635.273567433603	34.07.6382131641843	3417.642763954596	97.682306948188	87.6948342700708	97.51682312192334
149	191	14709	-273261.1413	171797.3170250766	36.391649649638314	-107.7658497	261807.980965178	436389.88967121	3633.423379278115	35.03.1792999437776	3406.81595511888	3420.8397404	82.3395303912124	93.43400432
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151	191	14711	-271941.1413	171797.3170250766	36.39168674163029	-107.761185	262210.1662624128	436389.70264531	3628.990512132834	34.08.930892497244	3404.14268957432	3406.36749343822	84.79213957846241	92.5768610707936
152	191	14712	-271281.1413	171797.3170250766	36.3917053	-107.768878	262411.2585389644	436377.617256944	3619.494555525483	34.06.157991570726	3407.3767762574	94.6616538182238	94.6765979250047	92.5768610707936
153	191	14713	-270621.1413	171797.3170250766	36.3917230654334	-107.7658138	262621.3605616112	436387.63579616	3651.092479864373	34.04.790004	3400.07957920371	3392.0036082430684	94.714251286951	102.78639614569159
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155	191	14715	-269301.1413	171797.3170250766	36.39176089112512	-107.7518459	263014.5340881145	436389.36446009	3667.24890912474	33.95.33199535453	3395.8242537398813	3391.513838008676	94.9895474166394	99.23936145487369
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157	191	14717	-267981.1413	171797.3170250766	36.3917396375356	-107.7471779	263416.1765846813	436387.156993754	3668.34898185176	34.06.840520175015	3394.33813369584	3403.389486	95.7188882	83.4510339695634
158	191	14718	-267321.1413	171797.3170250766	36.391815157967006	-107.7448439	263617.8074919673	436383.077661133	3670.39002220252	34.04.3068312180363	3397.542049894327	3399.3364332313576	97.3038783239637	85.6007500446012
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162	191	14722	-264681.1413	171797.3170250766	36.391888367057675	-107.735808	264422.1868	436384.721706261	3672.661779276317	34.07.357744222313	3358.7796334873454	3375.765481665242	115.824266240572	101.9130373069029
163	191	14723	-264021.1413	171797.3170250766	36.39190642145305	-107.733174	264623.2586304825	436382.326326494	3675.996777685616	34.07.994198432422	3351.012468170071	3345.832411282307	124.98373029922047	130.1637815191468
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168	191	14728	-260721.1413	171797.3170250766	36.39196064532202	-107.721504	265628.70385794475	436381.140679105	3653.5008486078563	34.07.987751320682	3341.833697020237	3331.688219227997	126.1540781183104	132.99559904714
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172	191	14732	-258081.1413	171797.3170250766	36.392067921633575	-107.7121681	266433.058191145	436376.46387075	3645.10119141507	34.06.752136506206	3329.50162515337	3325.102516	91.2371695339896	91.2371695339896
173	191	14733	-257421.1413	171797.3170250766	36.392085453417645	-107.7098342	266634.14330004477	436379.759067422	3647.9674786219043	34.06.6681047534826	3380.50544525845	3382.3064992132357	80.1616022763744	97.36160554114682
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176	191	14736	-255441.1413	171797.3170250766	36.39213709167329	-107.7028322	267237.24019893566	436375.91021677	3647.8499531927066	34.04.899536616463	3380.22913614257	3381.134432203131	75.6599972439222	74.2926940665439
177	191	14737	-254781.1413	171797.3170250766	36.39215451959137	-107.7004892	267438.4907054293	436375.416381011	3648.951886703035	34.05.125995257994	3380.068810930402	3380.6847442842925	75.6599972439222	74.2926940665439
178	191	14738	-254121.1413	171797.3170250766	36.3921720520766	-107.698142	267639.19892371	436371.330921121	3649.0738842138903	34.05.72254459167	3380.971780196327	3378.7138262947	71.942732034546	71.942732034546
179	191	14739	-253461.1413	171797.3170250766	36.392189204176556	-107.695802	267840.663029224	436372.25695605	3649.0738842138903	34.05.26458918474	3384.098537768497	3386.410791768979	72.853771495927	72.853771495927
180	191	14740	-252801.1413	171797.3170250766	36.3922053243595	-107.6934962	268041.748843336	436373.160691247	3647.7884471241036	34.05.1084157176255	3375.7138250499606	3375.670245786187	72.853771495927	72.853771495927
181	191	14741	-252141.1413	171797.3170250766	36.39222378042696	-107.6911622	268242.8344377936	436374.106895934	3645.841957890592	34.05.76588052636	3371.634293362936	3371.61014339916	72.853771495927	72.853771495927
182	191	14742	-251481.1413	171797.3170250766	36.3922408296246	-107.6888282	268443.9197851236	436375.541991	3644.999853997424	34.04.8227703546442	3367.227405364642	3367.227405364642	81.0273507892104	81.0273507892104
183	191	14743	-250821.1413	171797.3170250766	36.39225814032424	-107.6864842	268645.040369156	436376.908891093	3643.23565418924	34.07.11391339039	3363.030655575743	3362.677837828632	81.0273507892104	81.0273507892104
184	191	14744	-250161.1413	171797.3170250766	36.3922752526179	-107.6841061	268846.0896345376	436376.452295302	3644.591684525673	34.05.798944459075	3358.174475	3358.0387314270515	81.0273507892104	81.0273507892104
185	191	14745	-249501.1413	171797.3170250766	36.39229231682225	-107.681823	269047.1620917015	436372.42291483052	3643.23565418924	34.05.798944459075	3358.174475	3358.0387314270515	81.0273507892104	81.0273507892104
186	191	14746	-248841.1413	171797.3170250766	36.39230934006435	-107.6794291	269248.259850359	436373.38655	3644.591684525673	34.05.798944459075	3358.174475	3358.0387314270515	81.0273507892104	81.0273507892104
187	191	14747	-248181.1413	171797.3170250766	36.39232									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.frt	BRIElevBoth.frt	SatHtKgs.frt	SatHtBoth.frt
269	1914089	-194061.1413		171797.3170250766	39.39365601622912	-101.4857659	285937.4940882017	4363400.404067103	3496.413330000705	331.539087129269	3244.9874226887873	3245.1648117887926	35.6516590044772	86.37426994047246
270	1914070	-193401.1413		171797.3170250766	39.393572048128495	-101.4834318	2861.38.5601242318	4363396.327227106	3495.864037870916	3241.4716200978562	3241.7176200978562	3241.2910896566748	88.5429687228848	88.5429687228848
271	1914087	-192781.1413		171797.3170250766	39.3935914411716948	-101.484077	2863.39.5269497873	4363392.270348892	3495.864037870916	3238.128692713686	3238.9169152900238	3238.2088627549681	90.1367374350909	90.1367374350909
272	1914072	-192081.1413		171797.3170250766	39.39360459	-101.487636	2865.0.691561166	4363388.204151557	3497.01529541031	3326.4177405721323	3236.61520356684	3235.3411731954542	89.76651009344414	91.0767272
273	1914073	-191421.1413		171797.3170250766	39.39361768574845	-101.4764295	2867.1.756870384	4363384.1371959875	3497.0569027810993	3324.708604	3234.7048910607477	3233.100522	90.00373131320237	91.60808205671992
274	1914074	-190761.1413		171797.3170250766	39.39363074	-101.4740955	2869.62.2216523636	4363370.18781882	3498.91651203785704	3323.2577423833034	3231.3235634718963	3231.7424460239991	91.6675169138049	91.6675169138049
275	1914075	-190101.1413		171797.3170250766	39.39364374998964	-101.4717614	2871.43.8871516249	4363376.006492227	3499.421797161002	3321.2934652573776	3231.6733975649795	3229.896701614554	91.62006769238915	91.62006769238915
276	1914076	-189441.1413		171797.3170250766	39.39366144480066	-101.4694273	2873.44.9512799845	4363371.940418024	3499.4817581777403	3319.587255259804	3230.17986258485	3228.1294917053894	91.4723805905911	91.4723805905911
277	1914077	-188781.1413		171797.3170250766	39.3936763885852	-101.4670383	2875.46.016495185	4363367.874888255	3499.801719194887	3317.8807819148317	3229.48672463838	3228.3978545210275	91.58435388	91.58435388
278	1914078	-188121.1413		171797.3170250766	39.39369250202059	-101.4647591	2877.47.080532895	4363363.80750915	3499.601680211245	3316.47762792575	3227.77882437875	3224.71658043217	91.6550478825378	91.6550478825378
279	1914079	-187461.1413		171797.3170250766	39.3936953734324	-101.462425	2879.48.145002606	4363359.75	3498.090360140426	3314.4703902460424	3224.86735438187	3222.781195116319	89.6033058482767	91.88823112972359
280	1914080	-186801.1413		171797.3170250766	39.39370812517902	-101.4600909	2881.49.208943322	4363355.61929041	3498.9053907	3312.77505633368	3227.93089859596	3221.237486123636	91.5975773801217	91.5375850252428
281	1914081	-186141.1413		171797.3170250766	39.3937208606319	-101.4577568	2883.50.276576402	4363351.67830411	3491.9278880737374	3311.0903844808145	3220.5841597106555	3220.880212812635	90.8624717015895	91.5601043575511
282	1914082	-185481.1413		171797.3170250766	39.3937335460874	-101.4554227	2885.51.39199768	4363347.551	3488.84637193358	3309.4715238303116	3218.316330339116	3217.923075	91.10081935642941	91.4880750927153
283	1914083	-184821.1413		171797.3170250766	39.39374620349635	-101.4530886	2887.52.3995158924	4363343.486638419	3486.8112903733994	3307.7552579670404	3216.309681003078	3216.309681003078	91.3588368243309	91.3588368243309
284	1914084	-184161.1413		171797.3170250766	39.39375880729188	-101.450745	2889.53.4626243956	4363339.42181907	3485.8226212165614	3306.10493230986	3214.48078687412	3214.84304174494	91.6230636281407	91.6216518619025
285	1914085	-183501.1413		171797.3170250766	39.3937713660341	-101.4484204	2891.54.5255205084	4363335.38900869	3484.8339539519634	3304.467109143727	3212.60284995407	3213.18952782472	91.8648069390581	91.42781380696501
286	1914086	-182841.1413		171797.3170250766	39.39378397628245	-101.4460863	2893.55.2881840363	4363331.259183801	3483.845255328634	3302.845059145342	3210.861032470985	3210.861032470985	91.668371824317	91.42223273357534
287	1914087	-182181.1413		171797.3170250766	39.39379634813632	-101.4437522	2895.56.6507406316	4363327.231767995	3481.677091238409	3301.235618217246	3209.571373561452	3209.571373561452	92.102413	91.6564398110081
288	1914088	-181521.1413		171797.3170250766	39.3938087166231	-101.4414181	2897.57.1703834405	4363323.186551528	3478.3293719523697	3299.6412242971637	3206.991610229407	3208.21142304477	92.4961601422306	91.4291970286905
289	1914089	-180861.1413		171797.3170250766	39.39382114998831	-101.439084	2899.58.7715651014	4363319.10538418	3476.286126168384	3298.0662319790184	3204.88416096762	3206.595901070783	93.1818212835725	91.4711539611913
290	1914090	-180201.1413		171797.3170250766	39.3938343260515	-101.436749	2901.59.8370270814	4363315.46276655	3474.633923803704	3296.50711571498	3204.73874913245	3204.73874913245	93.7830248017347	91.9550469696308
291	1914091	-179541.1413		171797.3170250766	39.39384714568846	-101.43447	2903.60.9888181268	4363311.06116218	3473.540476819543	3295.0868826064	3203.93044648255	3202.9788717103	90.8648417260341	91.9550469696308
292	1914092	-178881.1413		171797.3170250766	39.3938501456096	-101.4320616	2905.61.9513538574	4363307.917707107	3472.75295470943	3293.6420991376276	3203.70375276801	3203.70375276801	91.9127732608557	91.4168902243112
293	1914093	-178221.1413		171797.3170250766	39.39387021257798	-101.4297475	2907.63.0213829183	4363302.855	3464.618248459996	3291.8608819918	3203.2512928430374	3203.2512928430374	91.9653673760551	91.681795988057
294	1914094	-177561.1413		171797.3170250766	39.39388237	-101.4274134	2909.64.0824247224	4363298.79349225	3462.4768044460	3291.338577354579	3203.9146557123885	3203.9146557123885	92.4220220421923	91.9550469696308
295	1914095	-176901.1413		171797.3170250766	39.39389447335145	-101.4250793	2911.65.1433	4363294.71687634	3459.268496230654	3290.32945515594	3203.244774076786	3203.244774076786	91.6825537077309	91.57784401303843
296	1914096	-176241.1413		171797.3170250766	39.3939056310779	-101.4227452	2913.66.203911691	4363290.670083471	3454.992186018198	3289.355550223678	3203.27925979314	3203.27925979314	91.67562904	91.67562904
297	1914097	-175581.1413		171797.3170250766	39.3939185577712	-101.4204723	2915.67.2541731281	4363286.698811281	3458.517136750437	3287.72796774029	3203.95047491426	3203.95047491426	91.7640217260341	91.7640217260341
298	1914098	-174921.1413		171797.3170250766	39.3939310795807	-101.4181077	2917.68.2045374534	4363282.44747375	3456.382473874534	3286.47445423	3203.71907845236	3203.71907845236	91.912811312	91.912811312
299	1914099	-174261.1413		171797.3170250766	39.3939442385481	-101.4157429	2919.69.3845548909	4363278.468479732	3443.479365036864	3286.496884305854	3203.106595925975	3203.106595925975	91.903783744113	91.903783744113
300	1914090	-173601.1413		171797.3170250766	39.39395434	-101.4134087	2921.70.4443671917	4363274.49690392	3441.834916230604	3285.548094919387	3203.8184707105082	3203.8184707105082	91.763394628549	91.763394628549
301	1914091	-172941.1413		171797.3170250766	39.39396617	-101.4110746	2923.71.50374165	4363270.30633825	3440.196445576216	3284.5987871690804	3203.854806160966	3203.854806160966	92.24380114159	91.763394628549
302	1914092	-172281.1413		171797.3170250766	39.3939779581843	-101.4087405	2925.72.6337752397	4363266.30468701	3438.546016888439	3283.7215906142907	3203.8184707105082	3203.8184707105082	91.763394628549	91.763394628549
303	1914093	-171621.1413		171797.3170250766	39.39398912956438	-101.4064864	2927.73.6225770025	4363262.44490217	3437.327161930577	3282.68845882843	3203.8184707105082	3203.8184707105082	91.763394628549	91.763394628549
304	1914094	-170961.1413		171797.3170250766	39.39391495180288	-101.4040723	2929.74.6815720516	4363258.184948197	3436.51727817518	3281.72796774029	3203.8184707105082	3203.8184707105082	91.763394628549	91.763394628549
305	1914095	-170301.1413		171797.3170250766	39.39401730199807	-101.4017282	2931.75.288513746	4363245.24705578	3435.7128947619073	3280.68845882843	3203.70375276801	3203.70375276801	91.912811312	91.912811312
306	1914096	-169641.1413		171797.3170250766	39.3940246383361	-101.399404	2933.76.7989542004	4363230.06511398	3434.90635446672	3279.75405473887	3203.70375276801	3203.70375276801	91.912811312	91.912811312
307	1914097	-168981.1413		171797.3170250766	39.39403625068194	-101.3970699	2935.77.85734021236	4363226.405772985	3433.68094940437	3278.8705867835	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
308	1914098	-168321.1413		171797.3170250766	39.39404772393066	-101.3947358	2937.78.91523366	4363241.94635012	3432.003153423642	3277.87206927976	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
309	1914099	-167681.1413		171797.3170250766	39.394059249016934	-101.3924017	2939.79.970338718	4363237.887547218	3431.666114848026	3276.831254238644	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
310	1914091	-167001.1413		171797.3170250766	39.394076055555	-101.3900676	2941.81.012813737	4363233.829	3428.72687494982	3275.83488	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
311	1914091	-166341.1413		171797.3170250766	39.39408714568846	-101.3879549	2943.82.2885775858	4363229.77015718	3427.827817518	3274.827817518	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
312	1914092	-165681.1413		171797.3170250766	39.39409403836488	-101.3859393	2945.83.1462315484	4363221.71709014	3426.811917990575	3273.824577222495	3203.7147227785243	3203.7147227785243	91.763394628549	91.763394628549
313	1914093	-165021.1413		171797.3170250766	39.39410740463957	-101.3830652	2947.84.203035154	4363221.65967612	3424.832629850793	3272.80928				

ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt	BRiElevLogsKrg.f	BRiElevBothKrg.f	SatHLogs.f	SatHBothKrg.f
395	191	140995 - 119091.1413	171797.3170250766	39.39487776509193	-101.1916649	31270.2244574352	4326889.566390415	3290.386243728963	3140.719080079576	3090.2772879768236	3090.1349688114797	50.44179210275206	50.58411126809597
396	191	140996 - 110241.1413	171797.3170250766	39.34885119051035	-101.1893307	311471.2659371071	4326895.44804946	3290.68660428444	3138.16368524875	3084.8590463522444	3084.6711519365067	53.4763035224416	53.48635368224416
397	191	140997 - 10681.1413	171797.3170250766	39.34892672621344	-101.1869861	311627.9648917484	4326891.483697348	3290.96273172457	3135.804009712547	3079.87017636997	3079.87017636997	55.85276530918478	55.78307210718478
398	191	140998 - 108921.1413	171797.3170250766	39.3940090170279	-101.1846624	311873.34717623	4326877.42444542	3291.287487736024	3133.0568277919715	3075.8717162583	3075.851476553464	57.26915006938365	57.20528613662509
399	191	140999 - 108261.1413	171797.3170250766	39.39490751039533	-101.1823282	312074.387895937	4326879.40151614	3290.3048477740204	3130.509272154089	3071.8547518318946	3071.833273398378	58.65452032219446	58.58898479425134
400	191	141000 - 107601.1413	171797.3170250766	39.394914883999014	-101.179994	312275.4282951444	4326883.960282941	3288.0496419673554	3127.9665963620237	3068.030605689423	3068.337094243938	59.652672600699	59.62886894
401	191	141001 - 106941.1413	171797.3170250766	39.39492221513805	-101.1776598	312476.4858106006	4326885.32023471	3285.7909351610097	3125.4314940494	3064.392247226618	3064.8082010408007	61.0396971328214	60.62370402928312
402	191	141002 - 106281.1413	171797.3170250766	39.39439249593966	-101.1753256	312677.5085425077	4326881.280006548	3283.53226355457	3122.90663186895	3060.930640587713	3061.4139410877083	61.45927120991862	61.45927120991862
403	191	141003 - 105621.1413	171797.3170250766	39.39496793427661	-101.1739819	31276.5489910715	4326887.23899576	3281.264531069591	3120.887258031486	3058.2923818466457	3058.276632918564	62.11580733989153	62.11580733989153
404	191	141004 - 104961.1413	171797.3170250766	39.39494399	-101.1706573	313079.5891	4326893.199895426	3278.98174311537	3117.872938049514	3054.942225788174	3055.39473696765	62.5701712261337	62.4725680195416
405	191	141005 - 104301.1413	171797.3170250766	39.39495107568336	-101.1683231	313080.6278589644	4326849.16	3276.71155231433	3115.3523163503223	3052.343564810314	3052.874938347943	63.0096513550892	62.4728591552801
406	191	141006 - 103641.1413	171797.3170250766	39.39495817675374	-101.1658989	313481.6668387477	4326850.127606944	3274.434647335349	3112.82191991322	3051.765518528044	3051.765518528044	62.116401631872	62.116401631872
407	191	141007 - 102981.1413	171797.3170250766	39.3949652673483	-101.1636548	313682.7055958871	4326841.081	3271.9329730746053	3110.2750546535153	3048.50209130299	3048.8874262323643	61.75476523221618	61.68776220210786
408	191	141008 - 102321.1413	171797.3170250766	39.39497224962692	-101.1613206	313883.7448909093	4326832.02438233	3269.266720447514	3107.7165442795167	3047.2091827795369	3047.541186111588	60.50736148414762	60.1753816792961
409	191	141009 - 101681.1413	171797.3170250766	39.39497921743006	-101.1589864	314084.7834731983	4326833.03	3266.48051204166	3105.154394983874	3046.189338910077	3046.362306155441	59.8762340629463	59.7852340629463
410	191	141010 - 101001.1413	171797.3170250766	39.39498614014408	-101.1566522	314285.8221462147	4326828.95	3263.7540711933225	3102.3844844241283	3045.344405133996	3045.48179172283	57.24202427104252	57.24202427104252
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414	191	141014 - 98361.1413	171797.3170250766	39.39501133801798	-101.1473155	315089.9746832708	4326812.11043575	3252.826172027336	3092.478711740704	3042.13655619748365	3042.194234081093	50.2843737888138	50.2843737888138
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416	191	141016 - 97041.1413	171797.3170250766	39.39502672956159	-101.1426471	315492.0459314295	4326804.73696038	3242.449505170487	3087.560992693707	3040.4071607495116	3040.7581003112177	47.159493128959184	46.6259961265301
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422	191	141022 - 93081.1413	171797.3170250766	39.395065697676	-101.128642	316688.27105138684	4326780.51963577	3220.66941059615	3073.445836726265	3030.6108917747873	3030.0827411937676	65.834891813926	65.418171768893
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432	191	141032 - 86481.1413	171797.3170250766	39.3951270320814	-101.1053001	318708.625675257	4326740.16340275	3185.096407629694	3052.209342487094	2992.6910082846434	2993.493061071981	59.5324320245066	59.5324320245066
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437	191	141037 - 83181.1413	171797.3170250766	39.3951562320194	-100.99349	319719.8292791987	4326718.91936643	3180.984916167107	3042.728632794176	2974.7184537882775	2974.7184537882775	72.88654895	72.88654895
438	191	141038 - 82521.1413	171797.3170250766	39.39516166994575	-100.991295	319914.8292791987	4326714.56237027	3180.984916167107	3040.80741921757	2970.712845579336	2970.712845579336	70.0374567283474	70.12900086762327
439	191	141039 - 81861.1413	171797.3170250766	39.39516728507359	-100.988908	320115.8626621105	4326711.92336708	3185.1928053324					

ix	iy	ic1	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgr.ft	SatHtKgrs.ft	SatHtBothKgr.ft
521	1911	127741	-27741.14133	171797.3170250766	-39.35647285509046	-100.8975561	336600.02127157384	4362381.911881396	3065.671167288263	2933.555719920189	2832.3985492427664	2832.398549603654	10.15170776274253	10.1561358662504
522	1911	1422	-27081.14133	171797.3170250766	-39.35647615819913	-100.895219	336801.04071338077	4362377.895655695	3063.000542069946	2932.76925013767	2830.277306325247	2830.3522728124615	10.1902223	10.191572477618
523	1911	14123	-26421.14133	171797.3170250766	-39.35647788573572	-100.893887	336802.0605159067	4362373.879498254	3060.68638931573	2932.856880925696	2827.8833263168	2827.8833263168	10.113374144297	10.113374144297
524	1911	14124	-25761.14133	171797.3170250766	-39.35647976827943	-100.8905535	337023.0792307334	4362369.863332363	3056.7558525137	2929.64893665228	2826.1606049713505	2826.0490980486105	10.373319938762	10.3509561168476
525	1911	14125	-25101.14133	171797.3170250766	-39.35648105568995	-100.8882193	337404.09825157966	4362365.847814911	3056.816306575852	2928.317901334048	2824.3564903707124	2824.23204	10.36141096333577	10.410598610734085
526	1911	14126	-24441.14133	171797.3170250766	-39.3564831	-100.885881	337605.1711432703	4362362.832269684	3054.8765183749824	2927.5274994112	2822.6198509233427	2822.51660338337	10.343272407645	10.45199146557348
527	1911	14127	-23781.14133	171797.3170250766	-39.35648485	-100.8835509	337806.1358191835	4362357.816972929	3052.3322737610306	2925.612904744618	2820.823973748829	2820.786806246808	10.478980399578909	10.482043942000895
528	1911	14128	-23211.14133	171797.3170250766	-39.35648497438022	-100.8812166	338007.1543663553	4362353.802	3048.1842004417087	2924.2388119368615	2819.1465245517485	2819.1063767160342	10.49318647953296	10.5123204604724
529	1911	14129	-22641.14133	171797.3170250766	-39.35648690430476	-100.8786824	338208.1727566455	4362349.76893951	3046.036671915232	2922.869161963297	2817.513048384046	2817.469287325866	10.533713326528404	10.56889292971608
530	1911	14130	-21901.14133	171797.3170250766	-39.35648951630072	-100.875482	338409.1509894405	4362345.772218981	3042.887515816476	2921.4658511971853	2815.875841780433	2815.817874047034	10.5710001675344	10.62807276248091
531	1911	14131	-21141.14133	171797.3170250766	-39.35649093605656	-100.874214	338618.20906380534	4362341.75769798	3040.8517444842645	2920.0285891548245	2814.207487196682	2814.2648319583978	10.6111095514256	10.76378620084875
532	1911	14132	-20401.14133	171797.3170250766	-39.35649240504121	-100.8718798	338812.22682463	4362337.734376399	3038.9294401466294	2918.595128443913	2813.037016156932	2812.9746730775173	10.558911271999099	10.620455256741394
533	1911	14133	-19821.14133	171797.3170250766	-39.35649387173145	-100.8695456	339012.244741068	4362333.729254171	3037.000713352146	2917.146060415203	2811.7265546675935	2811.6728595428	10.45190503476092	10.6342074227911
534	1911	14134	-19161.14133	171797.3170250766	-39.35649511333171	-100.8672114	339212.26434747296	4362329.715331312	3035.084858055552	2915.68029916139	2810.286224673525	2810.2915950742517	10.3947052619212	10.53893348188146
535	1911	14135	-18501.14133	171797.3170250766	-39.356496399641948	-100.8648772	3394124.2798	4362325.701607807	3033.35317647847	2914.199095522283	2808.971716870346	2808.946563619177	10.37405246243672	10.525449438096803
536	1911	14136	-17841.14133	171797.3170250766	-39.35649774125218	-100.8625429	339615.2079166405	4362321.688063851	3031.812107742079	2912.894427154133	2807.531453886183	2807.459426253719	10.168988529013	10.5289069771399
537	1911	14137	-17181.14133	171797.3170250766	-39.356498587923285	-100.8602087	339816.3142288733	4362317.64785831	3029.71210390111	2911.78088349178	2805.8115867950205	2805.7314036593994	10.3665015541573	10.5446172718575
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539	1911	14139	-15861.14133	171797.3170250766	-39.3565010488279	-100.8555403	340218.34083667106	4362309.648701782	3027.6430092772284	2908.072211034076	2803.043631859817	2802.803343846002	10.0285791742539	10.5687670497411
540	1911	14140	-15201.14133	171797.3170250766	-39.35650215604295	-100.8532061	340419.3647061977	4362305.63980331	3026.010156066257	2906.478064476106	2801.835912694033	2801.616944	10.4628937402037	10.581862172101
541	1911	14141	-14541.14133	171797.3170250766	-39.35650317	-100.8508719	340620.3812235005	4362301.6342578	3024.80330437977	2904.80330437977	2800.64981682983	2800.37164037131	10.2032257168392	10.48140140086391
542	1911	14142	-13891.14133	171797.3170250766	-39.3565041428325	-100.8485377	340821.395466906	4362297.611	3022.744446044126	2903.193505535177	2799.073450466105	2798.8254554110736	10.1500548544116	10.43605011661415
543	1911	14143	-13241.14133	171797.3170250766	-39.3565051969789	-100.846298	341022.4137911821	4362293.6889351	3020.69202891157	2902.46924361982	2797.91011634794	2797.91011634794	10.0540346718842	10.451821735897
544	1911	14144	-12561.14133	171797.3170250766	-39.35650594933434	-100.843692	341223.429842803	4362289.57050899	3020.158010610766	2900.769335	2795.327141892293	2795.325151822424	10.4423931572522	10.4416383239608
545	1911	14145	-11901.14133	171797.3170250766	-39.3565076498399	-100.841535	341424.45484112335	4362285.57333497	3020.312653110277	2898.0034697052583	2793.47849631276	2793.528752121693	10.45249907306846	10.4744744438099
546	1911	14146	-11241.14133	171797.3170250766	-39.356507551389	-100.8392008	341625.461580547	4362281.56302409	3020.466501594684	2906.200483760212	2791.5337300164915	2791.59242736988	10.46675373470262	10.46080561202432
547	1911	14147	-10581.14133	171797.3170250766	-39.35650830943875	-100.836866	341826.4771571767	4362279.455240518	3019.74102266971	2894.3611625987623	2789.472613254218	2789.511715665346	10.4885493455447	10.48494369334164
548	1911	14148	-9921.14133	171797.3170250766	-39.3565090213831	-100.8345324	342027.492611113781	4362273.541337811	3018.610740563937	2892.490439618753	2787.3374056342623	2787.367426972955	10.15328332761305	10.52232168989207
549	1911	14149	-9261.14133	171797.3170250766	-39.35650967653373	-100.8321567	342228.50076784986	4362269.338819254	3017.538881454058	2890.590555544508	2786.4545432113707	2786.47132682714	10.05471876235897	10.5451826733833
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551	1911	14151	-7941.14133	171797.3170250766	-39.35651085176344	-100.8275927	342630.538	4362261.590135262	3005.2775455135262	2886.701807512776	2779.706299	2779.033497812077	10.07683093920075	10.7663093920075
552	1911	14152	-7281.14133	171797.3170250766	-39.356511371743254	-100.8251955	342831.5528261586	4362257.4987951	3004.02528619657	2884.7164825917643	2782.83082124472	2782.83082124472	10.188630047317156	10.1027602339394
553	1911	14153	-6621.14133	171797.3170250766	-39.3565118466301	-100.8228613	343032.567493955	4362253.48862665	2999.1663246459175	2882.705633271361	2788.0049031320364	2788.28599292113	10.40703014	10.42627497214971
554	1911	14154	-5961.14133	171797.3170250766	-39.35651227643274	-100.8205271	343233.5801270635	4362249.47826614	2998.109924682933	2880.76008	2790.1613062025117	2790.564148282815	10.34909163429818	10.45054520582836
555	1911	14155	-5301.14133	171797.3170250766	-39.35651266114242	-100.8181929	343434.59638453135	4362245.48887445	2996.340170240958	2878.61654144271147	2790.340895623612	2790.547005068307	10.2877189302518	10.46991317028399
556	1911	14156	-4641.14133	171797.3170250766	-39.3565130076209	-100.815857	343635.61054459	4362241.4549459	2994.857531871873	2792.546227116183	2790.16011634794	2790.16011634794	10.05471876235897	10.48494369334164
557	1911	14157	-3981.14133	171797.3170250766	-39.3565133265197	-100.8135245	343836.6246632624	4362239.50108366	2993.375110274974	2794.4628729411886	2789.953277172433	2789.953277172433	10.05471876235897	10.50490072329345
558	1911	14158	-3321.14133	171797.3170250766	-39.35651354473125	-100.8111902	344037.6385753865	4362235.40067976	2992.865466265073	2872.36663873064	2789.5486970178663	2789.5486970178663	10.05471876235897	10.52490072329345
559	1911	14159	-2661.14133	171797.3170250766	-39.35651374908079	-100.808856	344238.65233608184	4362229.432026469	2990.00837737424	2788.771656214722	2788.529419019305	2788.529419019305	10.05471876235897	10.54494369334164
560	1911	14160	-2001.14133	171797.3170250766	-39.35651390834028	-100.8065218	344439.6654655846	4362225.42384102	2989.7152224704483	2788.547954934337	2787.172183102635	2787.172183102635	10.05471876235897	10.56491306667341
561	1911	14161	-1341.14133	171797.3170250766	-39.3565140225972	-100.8041876	344640.6943403206	4362221.45	2988.010426754683	2786.019261	2785.450215021489	2785.0977821712563	10.05471876235897	10.58494369334164
562	1911	14162	-681.14133	171797.3170250766	-39.35651409159912	-100.801834	344841.6927272357	4362217.40639674	2986.34052679903	2784.000144470313	2782.416044470313	2782.416044470313	10.05471876235897	10.60491306667341
563	1911	14163	-1.14133	171797.3170250766	-39.3565141628987	-100.7995919	345042.716932227	4362213.338819254	2984.857531871873	2782.546227116183	2790.16011634794	2790.16011634794	10.05471876235897	10.62491306667341
564	1911	14164	3638.85673033514	171797.3170250766	-39.35651404447781	-100.797185	345243.7186784574	4362209.300305896	2983.51513862709	2781.007400746784	2780.94542661433	2780.94542661433	10.05471876235897	10

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt	BR ElevKgr.ft	BR ElevBothKgr.ft	SAthKgr.ft	SAthBoth.ft
647	191	141247	55416.8586730335	191797.3170250766	39.39635515940711	-100.6034545	361927.2499936523	4361877.440298495	2988.91120281089	2694.4765254894951	2639.011051258693	55.464459076146	26.3282526907432
648	191	141248	56078.8586730335	191797.3170250766	39.39635135071455	-100.601113	361928.29618017563	4361877.442778051	2989.864535495955	2692.661421527369	2637.865844729963	54.7955767999334	27.22978965
649	191	141249	56788.8586730335	191797.3170250766	39.39634748730996	-100.598771	361929.2970890815	4361880.442	2991.841963871056	2693.7458448898	2638.025068194488	54.10325058194488	31.067399221162
650	191	141250	57398.8586730335	191797.3170250766	39.39634359817094	-100.596429	361930.2979837435	4361885.40699543	2992.861654521768	2694.018672548032	2633.541177259832	54.00537298198071	32.050564116710975
651	191	141251	58088.8586730335	191797.3170250766	39.3963396	-100.5941086	362731.29865530925	4361861.460221814	2991.789785453525	2687.19144966253	2634.146442540547	54.00537298198071	26.9498240223306
652	191	141252	58718.8586730335	191797.3170250766	39.396336523156	-100.5917744	362932.29923959024	4361885.40699543	2991.662821574523	2686.2903837821	2632.557167249574	54.00537298198071	23.997301572770333
653	191	141253	59378.8586730335	191797.3170250766	39.3963316112731	-100.5894402	363133.2996918313	4361863.47949436	2991.535857813384	2683.5250493706476	2630.936564616324	54.00537298198071	24.931910599947673
654	191	141254	60038.8586730335	191797.3170250766	39.39633129519337	-100.587106	363334.300122336	4361849.49493267	2991.4089894073081	2681.685354029066	2628.52209	54.00537298198071	27.8694321
655	191	141255	60698.8586730335	191797.3170250766	39.39632478749474	-100.5847718	363535.3002010867	4361855.49962902	2991.734022858164	2679.841572908472	2628.09173333896	54.00537298198071	25.6587818847363
656	191	141256	61358.8586730335	191797.3170250766	39.3963192627645	-100.582478	363736.3002563386	4361841.50900401	2992.514722720074	2677.960239685019	2624.930710317964	54.00537298198071	19.4772435793677
657	191	141257	62018.8586730335	191797.3170250766	39.396315043813454	-100.5801034	363937.3002	4361837.50243751	2993.288463	2676.1508449273087	2624.4132269107095	54.00537298198071	17.77740565733558
658	191	141258	62678.8586730335	191797.3170250766	39.3963107426035	-100.577592	364138.3	4361833.511678095	2993.068563546634	2674.306421087025	2624.2574841289043	54.00537298198071	20.7480097919431
659	191	141259	63338.8586730335	191797.3170250766	39.3963067961853	-100.575435	364339.25694390467	4361825.42098443	2993.80149077688	2672.464236059204	2624.3459303960506	54.00537298198071	26.41187350725675
660	191	141260	63998.8586730335	191797.3170250766	39.39632012986566	-100.573108	364540.2991776043	4361825.42098443	2992.501675544337	2670.9249787480905	2624.32802	54.00537298198071	27.3736770700384
661	191	141261	64658.8586730335	191797.3170250766	39.39629774	-100.570766	364741.29685900414	4361821.3652462704	2991.913957780815	2668.122966122666	2621.355271513064	54.00537298198071	25.4397251220523
662	191	141262	65318.8586730335	191797.3170250766	39.39629325153785	-100.568424	364942.2979	4361817.576077215	2989.89436626857	2666.98001089784	2615.61633041007	54.00537298198071	25.6480844069005
663	191	141263	65978.8586730335	191797.3170250766	39.3962881015287	-100.566082	365143.29699712514	4361817.576077215	2989.89436626857	2666.98001089784	2615.61633041007	54.00537298198071	25.6480844069005
664	191	141264	66638.8586730335	191797.3170250766	39.396284200652	-100.563764	365344.2961045884	4361809.59720047	2985.299445	2663.36278053256	2611.6874141691	54.00537298198071	28.4749068051377
665	191	141265	67298.8586730335	191797.3170250766	39.39627974882476	-100.5614298	365545.294984210	4361805.611840155	2982.67023176705	2661.588708660973	2610.772002119815	54.00537298198071	28.4749068051377
666	191	141266	67958.8586730335	191797.3170250766	39.396275004612834	-100.5590956	365746.293645895	4361801.6215757	2980.0410292257607	2659.841206270554	2610.731061426815	54.00537298198071	30.18462019756075
667	191	141267	68618.8586730335	191797.3170250766	39.39625019253006	-100.5567614	365947.2923	4361797.63673021	2978.17812898104	2658.1279193604	2610.09451534715	54.00537298198071	32.31992932399644
668	191	141268	69278.8586730335	191797.3170250766	39.3962567080479	-100.5544272	366197.2907700425	4361793.64387022	2975.818698135204	2656.45561315204	2610.87485094327	54.00537298198071	33.05437286552936
669	191	141269	69938.8586730335	191797.3170250766	39.39625239153247	-100.552091	366448.293915324	4361787.64819238	2973.6174891897	2654.327744891897	2608.14173333896	54.00537298198071	33.781934115888
670	191	141270	70598.8586730335	191797.3170250766	39.39625162538495	-100.549758	366550.287374669	4361785.67409218	2971.431278647237	2653.20587781575	2604.38112693022	54.00537298198071	34.860621870141495
671	191	141271	71258.8586730335	191797.3170250766	39.3962513069210	-100.547426	366751.28848705135	4361781.68871756	2969.3389503537	2651.71888668054	2598.805430867867	54.00537298198071	35.917489293964
672	191	141272	71918.8586730335	191797.3170250766	39.39624614113984	-100.5450094	366952.2846949135	4361777.72220493	2966.2348096216	2650.2277597134	2598.479792015125	54.00537298198071	37.0048193520805
673	191	141273	72578.8586730335	191797.3170250766	39.396241480214956	-100.5427562	367135.2814293124	4361773.71596785	2963.0763362965	2647.7476870981	2597.416788755464	54.00537298198071	38.1796730991904
674	191	141274	73238.8586730335	191797.3170250766	39.3962364992287	-100.540421	367354.27915068215	4361768.72983952	2959.917909178733	2649.391940997656	2596.3349125574	54.00537298198071	39.22206766091584
675	191	141275	73898.8586730335	191797.3170250766	39.39623147315333	-100.5380878	367555.274982224	4361765.73896333	2957.7481917033	2647.391940997656	2596.3349125574	54.00537298198071	40.2567626181518884
676	191	141276	74558.8586730335	191797.3170250766	39.396227194242	-100.5357357	367773.15219423	4361762.75829902	2955.817779078033	2644.554833939522	2591.020113415793	54.00537298198071	41.33917247770044
677	191	141277	75218.8586730335	191797.3170250766	39.39622128573351	-100.5334195	367957.2715666216	4361757.77276788	2953.264537318462	2643.73060248907	2589.4173881132283	54.00537298198071	42.39676544337223
678	191	141278	75878.8586730335	191797.3170250766	39.39621612438942	-100.5310853	368158.268748529	4361753.78420805	2946.294249	2641.79671460418	2588.2011930547674	54.00537298198071	43.51845798017364
679	191	141279	76538.8586730335	191797.3170250766	39.396210917955836	-100.5287511	368359.268577097	4361748.702315467	2944.08824308245	2640.42037728434	2587.241091210572	54.00537298198071	44.580748138169071
680	191	141280	77198.8586730335	191797.3170250766	39.396205664231	-100.5264169	368560.260240367	4361745.81802846	2942.568173796841	2638.050073526746	2586.3957961783976	54.00537298198071	45.62452117514776
681	191	141281	77858.8586730335	191797.3170250766	39.39620036912071	-100.5240427	368761.259878769	4361741.83296053	2940.767829104026	2636.57561350174	2584.0308207519	54.00537298198071	46.7388556952414
682	191	141282	78518.8586730335	191797.3170250766	39.396195201181	-100.5217485	368962.263915324	4361737.84811429	2938.615829541707	2634.20132435148	2584.707821701638	54.00537298198071	47.8517818840474
683	191	141283	79178.8586730335	191797.3170250766	39.39618964132016	-100.5194433	369163.6759774524	4361733.8686818	2937.45936579152	2633.698152273526	2582.9312347585	54.00537298198071	48.9293868613564
684	191	141284	79838.8586730335	191797.3170250766	39.3961842094426	-100.5170801	369364.2494381695	4361729.88	2936.216740291987	2633.5481295184773	2582.511516495969	54.00537298198071	50.06130280905
685	191	141285	80498.8586730335	191797.3170250766	39.39617873247601	-100.5147459	369565.245774081	4361725.8953346	2934.231757429247	2632.17576712146	2581.16456939216	54.00537298198071	51.17681304382304
686	191	141286	81158.8586730335	191797.3170250766	39.396173210416424	-100.5124117	369766.25419833714	4361721.91211518	2932.917310717121	2629.5513831583386	2579.550635869201	54.00537298198071	52.2587743250209
687	191	141287	81818.8586730335	191797.3170250766	39.39616786327604	-100.5100775	369967.2386087779	4361717.928593102	2930.772905905456	2629.4207132766623	2578.121444898642	54.00537298198071	53.310527896798406
688	191	141288	82478.8586730335	191797.3170250766	39.3961620310293	-100.5077433	370158.234028155	4361715.45368475	2928.673431708986	2626.753509119955	2576.121484133862	54.00537298198071	54.3916267514994
689	191	141289	83138.8586730335	191797.3170250766	39.39615620198871	-100.505403	370358.235127466	4361713.4284263547	2926.927482745415	2624.827482745415	2574.121484133862	54.00537298198071	55.481741008393
690	191	141290	83798.8586730335	191797.3170250766	39.39615051128418	-100.503075	370558.2352746271	4361705.937214614	2925.369435252315	2624.157364726414	2569.5512705879895	54.00537298198071	56.5802735654777
691	191	141291	84458.8586730335	191797.3170250766	39.39614482377771	-100.5007408	370771.2216131015	4361701.99644715	2924.441058436065	2624.021371328651	2572.7689406117033	54.00537298198071	57.65243071685716
692	191	141292	85118.8586730335	191797.3170250766	39.3961393118193	-100.4984066	370972.2166395151	4361698.10396213	2922.6629381	2571.985269	2569.38410990047	54.00537298198071	58.73135893298
693	191	141293	85778.8586730335	191797.3170250766	39.39613329	-100.4960724	371173.211962755	4361694.03168123	2921.371670706964	2570.38912925263	2568.88075	54.00537298198071	59.8209297084438
694	191</												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SurfBothKrg.f
32	14	1373	-349821.1413	1918457	31.70250766	-102.0366118	238483.6911621657	4364567.13840918	3914.773349634662	3616.058231371338	3614.2213515187514	31.8486575777021	83.68343710435687
34	192	1434	-349161.1413	1918457	31.70250766	-102.0347279	238684.8124006267	4364563.02381412	3911.81689695049	3606.873416122087	3611.6150572240367	31.9350492082078	82.1339132
35	192	1435	-348501.1413	1918457	31.70250766	-102.0314618	238865.9333691069	4364512.4086826298	3908.734096914744	3607.474012603036	3614.3090691388252	31.84673378323267	81.54673378323267
36	192	1436	-347841.1413	1918457	31.70250766	-102.0296102	239067.05410157237	4364501.794942545	3908.00648819317	3604.85478100211	3603.470165805593	31.6102011130294	71.7657599615159
37	192	1437	-347181.1413	1918457	31.70250766	-102.0272763	239288.174563696	4364505.606211731	3906.45092692058	3603.838236146503	3599.353012346841	3605.8178136832	84.48522380020268
38	192	1438	-346521.1413	1918457	31.70250766	-102.0249424	239489.29476807086	4364506.566231764	3904.8950250121843	3602.862742323736	3595.500626512829	3598.0562977425466	84.80837744733212
39	192	1439	-345861.1413	1918457	31.70250766	-102.0226086	239690.417141400557	4364542.452480384	3903.376950309925	3601.8110371863386	3591.636346960037	3590.05599328377	100.46909033177
40	192	1480	-345201.1413	1918457	31.70250766	-102.0202747	239891.5344002217	4364538.357825029	3901.8940821064816	3590.796063203391	3596.0938544650957	3593.9301753705064	84.7056771
41	192	1481	-344541.1413	1918457	31.70250766	-102.0179406	240092.65382672757	4364534.225	3900.51123951097	3589.7614971724115	3602.1431313406358	3590.41591959885	87.83367073177291
42	192	1482	-343881.1413	1918457	31.70250766	-102.0156093	240293.773050169	4364530.112	3898.928345705403	3588.76455323892	3606.3471157120962	3590.6781157120962	108.083539616716
43	192	1483	-343221.1413	1918457	31.70250766	-102.0132731	240493.8191920447	4364525.990870338	3896.590390700311	3587.705325201739	3604.8178932324324	3584.924379	102.8529418
44	192	1484	-342561.1413	1918457	31.70250766	-102.0109392	240696.0167875555	4364521.886217368	3893.389059127233	3586.732536708746	3621.944649	3591.1119708053474	84.7858871
45	192	1485	-341901.1413	1918457	31.70250766	-102.0086053	240897.1289801614	4364517.77658719	3890.206901252537	3585.716243806697	3629.602662003305	358.958359043143417	86.1098082736478
46	192	1486	-341241.1413	1918457	31.70250766	-102.0062714	241098.2471248656	4364516.61249375	3887.014899334347	3584.696151417456	3637.2164977292355	3604.6962862082165	47.47417141251017
47	192	1487	-340581.1413	1918457	31.70250766	-102.0039375	241299.3601307468	4364509.54943337	3884.614175403535	3583.666792084666	3641.71894276748	3626.645076	84.74478807818444
48	192	1488	-339921.1413	1918457	31.70250766	-102.0016038	241500.46264499276	4364505.437040592	3883.0041767808959	3582.404101379638	3637.467614023494	3621.4804891826316	45.1731363514462
49	192	1489	-339261.1413	1918457	31.70250766	-101.9992697	241701.6002082857	4364501.3525211345	3881.396596016561	3581.812295995425	3629.081666654276	3605.43124455517	82.5306293410854
50	192	1490	-338601.1413	1918457	31.70250766	-101.9969358	241902.7117407182	4364497.213644459	3879.765815210653	3580.568083067709	3620.5138197044485	3590.082072375085	60.49677400420063
51	192	1491	-337941.1413	1918457	31.70250766	-101.994602	242103.834005064	4364493.102250615	3876.78129582626	3579.54504688844	3621.603953175146	3580.2271343585	86.936385136977
52	192	1492	-337281.1413	1918457	31.70250766	-101.992281	242304.9506138795	4364488.991026428	3874.10021100945	3578.507182467506	3605.460225803397	3574.74130559878	73.04065719
53	192	1493	-336621.1413	1918457	31.70250766	-101.9899342	242506.0669743297	4364484.80807059	3867.6629032164	3577.4651273786594	3599.97388390047	3574.138471871319	78.474233862147
54	192	1494	-335961.1413	1918457	31.70250766	-101.9876003	242707.103659317	4364480.76932944	3863.140371155583	3576.419941720573	3592.881405686622	3575.54787	83.5363503491507
55	192	1495	-335301.1413	1918457	31.70250766	-101.985266	242908.2386771736	4364478.63813073	3860.07689718467	3575.329777943425	3597.0174492794205	3589.631434729205	87.123624196987
56	192	1496	-334641.1413	1918457	31.70250766	-101.9829325	243109.414858507	4364472.54336445	3854.530517409283	3574.319004252116	3581.828922107255	3573.976375989014	82.4900812146605
57	192	1497	-333981.1413	1918457	31.70250766	-101.9805986	243310.5298	4364468.48	3850.295247369263	3573.2638038334	3577.287891322673	3572.38862106786	96.963577174055
58	192	1498	-333321.1413	1918457	31.70250766	-101.9782647	243511.6449134756	4364464.32192882	3846.067992	3572.204603733053	3573.0838758013	3565.61256794597	91.1207619
59	192	1499	-332661.1413	1918457	31.70250766	-101.9759308	243712.759737778	4364460.21845933	3842.0615984873	3571.142652111473	3569.129674016005	3565.8289403028	102.1792809546804
60	192	1430	-332001.1413	1918457	31.70250766	-101.9735969	243913.8743122579	4364456.10886219	3840.12368552	3570.076862015277	3565.39891309473	3549.4267948724973	104.6800948920548
61	192	1440	-331341.1413	1918457	31.70250766	-101.9712629	244114.38986112272	4364451.99831668	3837.20052565968	3569.038625664867	3564.61265558686	3544.61265558686	107.18106817848656
62	192	1440	-330681.1413	1918457	31.70250766	-101.9690479	244316.1074540137	4364447.800943438	3835.011874540217	3568.947300914237	3550.944791042977	3550.944791042977	116.963771210951
63	192	1403	-330001.1413	1918457	31.70250766	-101.9669501	244517.216508822	4364443.781390197	3832.430187	3566.842003060625	3556.373233622414	3554.4687323830412	110.46947403260503
64	192	1404	-329361.1413	1918457	31.70250766	-101.9642612	244718.330608769	4364439.676293244	3829.80543678877	3565.743001964723	3556.349638048496	3556.0741947237	109.6858224681178
65	192	1405	-328701.1413	1918457	31.70250766	-101.9619273	244919.4343753318	4364435.564091489	3827.1069097567	3564.630083242382	3555.640006115667	3556.588514120587	108.99007770907156
66	192	1406	-328041.1413	1918457	31.70250766	-101.9595934	245120.556420027	4364431.45574867	3824.555943182473	3563.503125371272	3553.776953492207	3553.776953492207	109.7281816790963
67	192	1407	-327381.1413	1918457	31.70250766	-101.95727984	245321.6692289864	4364427.347028543	3821.797578049617	3562.36572830576	3552.36572830576	3550.361331	109.9936370440418
68	192	1408	-326721.1413	1918457	31.70250766	-101.9549626	245522.781791187	4364423.23987141	3819.78584674246	3561.155701256547	3551.889472794205	3551.889472794205	124.326510084049
69	192	1409	-326061.1413	1918457	31.70250766	-101.9526916	245723.68928076385	4364419.13190529	3815.8154118778607	3560.039431685637	3550.2313873480884	3550.2313873480884	129.8204242597568
70	192	1410	-325401.1413	1918457	31.70250766	-101.9502577	245925.00612211227	4364415.024	3812.841448914657	3558.851612606513	3549.597726917697	3547.2349602029372	108.53685688159
71	192	1411	-324741.1413	1918457	31.70250766	-101.9479238	246126.1176191279	4364409.91071168	3810.765161482606	3557.6339082018937	3549.3585621745665	3579.967205261495	108.2853460273275
72	192	1412	-324081.1413	1918457	31.70250766	-101.9455899	246327.2294587884	4364406.89054455	3809.574496161734	3556.414653057997	3549.600588611155	3582.044648470984	106.410446488421
73	192	1413	-323421.1413	1918457	31.70250766	-101.9432559	246528.3470530056	4364402.703022845	3808.391737739083	3555.167685680718	3550.361169071	3548.85860394669	73.36621161836481
74	192	1414	-322761.1413	1918457	31.70250766	-101.9409322	246729.4518900545	4364396.596	3807.20052565968	3553.868798055454	3551.57785911696	3562.671575376114	102.3089358339636
75	192	1415	-322101.1413	1918457	31.70250766	-101.9386256	246930.582479843	4364392.45296478	3806.043529842966	3552.840420259647	3550.7842221908	3548.7842221908	129.8204242597568
76	192	1416	-321441.1413	1918457	31.70250766	-101.9362542	247133.671976192	4364390.383471672	3803.273406881402	3551.255058300334	3556.1375005209293	3553.20550336927	91.11578477910416
77	192	1417	-320781.1413	1918457	31.70250766	-101.9339202	247332.7835089526	4364386.277	3804.382131520355	3549.895729290687	3549.506384593473	35483.692376744343	90.38938839
78	192	1418	-320121.1413	1918457	31.70250766	-101.9315863	247533.8963478091	4364383.171	3803.489192159676	3548.504689438725	3563.488515690439	3562.367399523608	80.1696392343371
79	192	1419	-319461.1413	1918457	31.70250766	-101.9292524	247735.003367511	4364378.06570387	3800.596881348815	3547.029354678696	3567.4679301126107	3560.59905316758	79.6150233525893
80	192	1420	-318801.1413	1918457	31.70250766	-101.9269184	247936.1178798545	4364373.96	3796.70197946117	3545.627273949423	3568.969482510674	3581.503142137879	79.6577828
81	192	1421	-318141.1413	1918457	31.70250766	-101.9245846	248137.22216571736	4364369.554851583	3794.607789710484	3544.137763832715	3564.667807852313	3585.776802726586	79.4688677915865
82	192	1422	-317481.1413	1918457	31.70250766	-101.9222506	248338.331061041	4364365.75	3793.51820265491	3542.61403256491	3556.351144953699	3552.19732425813	86.25289511689204
83	192	1423	-316821.1413	1918457	31.70250766	-101.9199166	248539.4399749148	4364361.64450613	3790.925137200074	3541.0596991181	3547.02064876631	3588.532248323652	94.035202248191
84	192	1424	-316161.1413	1918457	31.70250766	-101.9175827	248740.548394807	4364357.54	3775.7740251711	3539			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevLogsKrg.ft	SatHtLogs.ft	SatHtBoth.ft
159	192	14149	-266661.1413	1918457	31.70250766	-98.393646628161385	-101.7425334	26232.99504020203	3434050.266785148	3665.531732891964	3442.8477802717847	3979.890199	3733.510503365527	103.47327690625792
160	192	14150	-266601.1413	1918457	31.70250766	-98.393664822927027	-101.7401934	26420.05426895353	3434046.17570169	3666.3412613217484	3481.143715018529	3730.655291523022	3350.2118484256714	103.48824234955064
161	192	14151	-266581.1413	1918457	31.70250766	-98.39368292686587	-101.7238613	26424.251763537396	3434042.08429719	3667.1403491743017	3482.392554782978	3730.655291523022	3351.862841146603	103.49381658098664
162	192	14152	-266461.1413	1918457	31.70250766	-98.39370107731721	-101.7355514	26426.2651282448	3434037.99556577	3667.646137165335	3477.646137165335	351.90512854966	3328.921160352396	103.4722420738964
163	192	14153	-266401.1413	1918457	31.70250766	-98.393719136864306	-101.7331793	26427.3546584731	3434033.91886282	3667.275242786295	3475.9611580158473	3343.019543613572	3326.9334237390613	103.4938165809864
164	192	14154	-266361.1413	1918457	31.70250766	-98.39373715132707	-101.7308632	26428.24435626395	3434028.2148213821	3667.11262	3474.288631028447	3334.947828001341	3321.696447493182	103.4938165809864
165	192	14155	-266201.1413	1918457	31.70250766	-98.39375512	-101.7285292	265029.53	3434025.734152747	3657.946712989636	3472.660166	3328.6739722487982	3319.620516730116	103.4938165809864
166	192	14156	-266201.1413	1918457	31.70250766	-98.3937730499561	-101.7261951	265230.2621855355	3434021.64608974	3653.7808054729867	3471.062625848805	3328.49477154846	3318.391689434016	103.4938165809864
167	192	14157	-266181.1413	1918457	31.70250766	-98.3937926020914	-101.7238613	265431.7104570817	3434017.558229596	3655.924831517953	3469.939982931083	3329.394863295784	3315.862841146603	103.4938165809864
168	192	14158	-266121.1413	1918457	31.70250766	-98.39380763342617	-101.721527	265532.789271467	3434013.47057084	3656.378918214931	3467.961272922503	3325.265764114756	3318.872663970275	103.4938165809864
169	192	14159	-266061.1413	1918457	31.70250766	-98.39382655	-101.719193	265583.886958513	3434009.383	3647.832762	3466.43395890922	3341.420475353256	3324.749068293274	103.4938165809864
170	192	14160	-259401.1413	1918457	31.70250766	-98.39384422130177	-101.7168589	266034.9473733487	3434005.295961848	3646.28621312888	3464.942111338477	3348.241195247505	3340.807227547614	103.4938165809864
171	192	14161	-258741.1413	1918457	31.70250766	-98.393861980202718	-101.7145249	266236.06254891935	3434001.209	3644.934261317018	3464.934261317018	3356.7668880062164	3347.8877064148618	103.4938165809864
172	192	14162	-258081.1413	1918457	31.70250766	-98.39387964398962	-101.7121908	266247.14995512	3434000.12162512	3644.77536723988	3462.02951979159	3363.7042112380545	3327.230846235943	103.4938165809864
173	192	14163	-257421.1413	1918457	31.70250766	-98.393897252922334	-101.709858	266638.2371061496	3433993.05316463	3642.61674135578	3640.602361043876	3370.9241828191543	3372.056638314013	103.4938165809864
174	192	14164	-256761.1413	1918457	31.70250766	-98.39391482	-101.7070227	266839.324	3433989.94897216	3641.457579074858	3459.19023104117	3375.416564383389	3377.3772918931295	103.4938165809864
175	192	14165	-256101.1413	1918457	31.70250766	-98.3939233484307	-101.7051887	267004.1049838375	3433984.86231564	3641.609494697274	3457.791516693491	3377.122934768146	3378.132104273057	103.4938165809864
176	192	14166	-255441.1413	1918457	31.70250766	-98.3939408829144	-101.7028546	267241.4974744559	3433980.76992702	3643.078769427741	3456.4074216258336	3378.1584191557185	3378.296400425983	103.4938165809864
177	192	14167	-254781.1413	1918457	31.70250766	-98.39396723665503	-101.7005206	267442.5837692695	3433976.690756218	3643.0752608570127	3455.02840955651	3380.1025542426564	3379.793340709044	103.4938165809864
178	192	14168	-254121.1413	1918457	31.70250766	-98.39398619963383	-101.6981865	267643.66963452043	3433973.605122107	3643.95436777198	3455.6627211371388	3383.421382766035	3383.7211067104743	103.4938165809864
179	192	14169	-253461.1413	1918457	31.70250766	-98.3940198187248	-101.6958525	267844.7557	3433968.519690365	3645.497405342206	3452.360047373818	3382.0464577757	3382.9471490426781	103.4938165809864
180	192	14170	-252801.1413	1918457	31.70250766	-98.394019212698	-101.6935184	268045.8417771646	3433964.434	3647.417389	3450.96473380814	3377.428333847168	3377.460504166767	103.4938165809864
181	192	14171	-252141.1413	1918457	31.70250766	-98.3940256489125	-101.6908174	268261.516261443	3433961.25043947	3648.937819284302	3452.75204531815	3382.9718312624	3381.674054818156	103.4938165809864
182	192	14172	-251481.1413	1918457	31.70250766	-98.39403572020594	-101.688503	268448.0118043697	3433956.25	3647.4557229698	3448.28039141781	3384.710694484587	3383.8470562301793	103.4938165809864
183	192	14173	-250821.1413	1918457	31.70250766	-98.39407086054974	-101.6865162	268649.0967245753	3433952.179898907	3640.80580143692	3446.86717784784	3383.186925123737	3382.817973	103.4938165809864
184	192	14174	-250161.1413	1918457	31.70250766	-98.394087782437	-101.6841821	268850.1814617821	3433948.05566884	3640.981642497216	3445.6219347977258	3358.1847566435563	3357.556022189774	103.4938165809864
185	192	14175	-249501.1413	1918457	31.70250766	-98.39410520508784	-101.6818481	269051.26588071	3433944.013149185	3641.170528355112	3444.301078905114	3358.3805790881446	3357.556022189774	103.4938165809864
186	192	14176	-248841.1413	1918457	31.70250766	-98.394122603181	-101.679514	269252.3501	3433939.927339001	3641.325924617804	3442.86486916523	3349.945371065273	3349.265143628182	103.4938165809864
187	192	14177	-248181.1413	1918457	31.70250766	-98.3941394082289	-101.67718	269453.43412550713	3433934.58530723	3640.9473819284302	3442.75204531815	3382.9718312624	3381.674054818156	103.4938165809864
188	192	14178	-247521.1413	1918457	31.70250766	-98.3941559730615	-101.6748549	269631.571700467	3433929.8501218984	3640.9473819284302	3442.75204531815	3382.9718312624	3381.674054818156	103.4938165809864
189	192	14179	-246861.1413	1918457	31.70250766	-98.39417260395514	-101.6725118	269855.60146012716	3433927.67	3641.325924617804	3442.86486916523	3349.945371065273	3349.265143628182	103.4938165809864
190	192	14180	-246201.1413	1918457	31.70250766	-98.39418972654344	-101.6701727	270066.6848	3433923.593295262	3635.496239071342	3437.8030776257265	3336.981238029646	3336.981238029646	103.4938165809864
191	192	14181	-245541.1413	1918457	31.70250766	-98.3942064982797	-101.6678437	270257.7679	3433919.510291343	3633.836154828316	3436.5305089115035	3333.596400023162	3333.596400023162	103.4938165809864
192	192	14182	-244881.1413	1918457	31.70250766	-98.39422325191935	-101.6655096	270458.805793727	3433915.15748993	3632.5153799842	3435.283373598943	3329.534786751831	3329.800105406357	103.4938165809864
193	192	14183	-244221.1413	1918457	31.70250766	-98.39423959589123	-101.6631795	270659.9330589426	3433911.34489035	3630.54959987618	3432.016493741185	3325.1649441504624	3325.1649441504624	103.4938165809864
194	192	14184	-243561.1413	1918457	31.70250766	-98.3942564898125	-101.6608174	270871.262149143	3433907.262149143	3629.973819284302	3442.75204531815	3382.9718312624	3381.674054818156	103.4938165809864
195	192	14185	-242901.1413	1918457	31.70250766	-98.39427327669694	-101.6585074	271062.0892033065	3433908.18282935	3628.20676397744	3431.547297133935	3318.4592625555643	3317.963821362405	103.4938165809864
196	192	14186	-242241.1413	1918457	31.70250766	-98.3942890941677	-101.6561733	271263.18	3433909.09356555	3622.29045451028	3430.34288673381	3320.4274315166965	3320.4274315166965	103.4938165809864
197	192	14187	-241581.1413	1918457	31.70250766	-98.39430363706745	-101.6538392	271464.2617313245	3433905.016515248	3618.73509450288	3429.133079427133	3321.33976868883	3321.33976868883	103.4938165809864
198	192	14188	-240921.1413	1918457	31.70250766	-98.3943281765466	-101.6515051	271665.342485472	3433900.9342706	3614.45970551753	3427.9413289434	3321.33976868883	3321.33976868883	103.4938165809864
199	192	14189	-240261.1413	1918457	31.70250766	-98.39434325145646	-101.6491711	271866.424054247	3433986.83591105	3612.697117608054	3426.76414329843	3320.405682331625	3320.405682331625	103.4938165809864
200	192	14190	-239601.1413	1918457	31.70250766	-98.3943554555076	-101.646837	272067.5050674656	3433982.7237357	3611.089127357391	3425.015406887974	3318.00846382127	3318.00846382127	103.4938165809864
201	192	14191	-238941.1413	1918457	31.70250766	-98.39437198167323	-101.644518	272268.667381818	3433978.67381818	3610.0173781818	3424.81373486884	3317.1198981618	3317.1198981618	103.4938165809864
202	192	14192	-238281.1413	1918457	31.70250766	-98.3943923311282	-101.642168	272468.7671671034	3433974.61094347	3610.0173781818	3424.81373486884	3317.1198981618	3317.1198981618	103.4938165809864
203	192	14193	-237621.1413	1918457	31.70250766	-98.39440549261424	-101.6398347	272670.7475600735	3433970.53017282	3610.0173781818	3424.81373486884	3317.1198981618	3317.1198981618	103.4938165809864
204	192	14194	-236961.1413	1918457	31.70250766	-98.3944267032439	-101.6375006	272871.827789165	3433966.4962306	3610.0173781818	3424.81373486884	3317.1198981618	3317.1198981618	103.4938165809864
205	192	14195	-236301.1413	1918457	31.70250766	-98.3944386203177	-101.6351666	273072.9673763373	3433962.39469505	3610.0173781818	3424.81373486884	3317.1198981618	3317.1198981618	103

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRfElevLogKgf.f	BRfElevBothKgf.f	SatHtLogKgf.f	SatHtBoth.f
285	192	14626	-183501.1413	1918457	31.70250766	-39.39568412440333	-101.4484365	2818.58,5957665491	433635.36,61	3481.758473156025	3203.794583171173	3211.226407584795	3211.237403122513	92.57761508466185
286	192	14626	-182841.1413	1918457	31.70250766	-39.39565963834809	-101.4461024	2893.59,65824900154	433635.32,46	3480.6182371884006	3202.7196125186423	3209.5174512466033	3209.4817651246603	92.662161322261
287	192	14627	-182181.1413	1918457	31.70250766	-39.395692917024076	-101.4457169	2896.60,7295	433635.28,49237181	3478.1823617091367	3200.81360751162	3207.78076813607	3207.806461361727	92.74840819184548
288	192	14628	-181521.1413	1918457	31.70250766	-39.3962153309007	-101.441434	2891.78,7827	433635.24,14166892	3476.45819512432	3209.035937048623	3205.846246116165	3206.28106879117	92.75334491320301
289	192	14628	-180861.1413	1918457	31.70250766	-39.3963330906104	-101.4390999	2899.62,845416235	433635.20,120098	3474.0648763843274	3207.453269097767	3203.872036408924	3204.6999915932154	92.75334324988318
290	192	14630	-180201.1413	1918457	31.70250766	-39.3966462325405	-101.4367567	2901.63,90620920405	433635.16,29230469	3471.671633252327	3205.9430793499205	3201.84033136021	3202.802356711318	93.14012437389964
291	192	14631	-179541.1413	1918457	31.70250766	-39.39665853	-101.4344315	2903.64,76579005	433635.12,120098	3469.444411966271	3204.493623	3199.69111305335	3201.22498604174651	93.26683744036343
292	192	14632	-178841.1413	1918457	31.70250766	-39.3966708	-101.4320274	2905.66,028900474	433635.08,1750812	3467.38263570149628	3203.13463	3197.536642519887	3198.8794875706726	93.59877867028825
293	192	14633	-178221.1413	1918457	31.70250766	-39.39666297350596	-101.4297635	2907.67,088971146	433635.04,10597891	3465.3210517087468	3201.86850696418	3198.435283045989	3196.1314338845914	93.65522691447973
294	192	14634	-177561.1413	1918457	31.70250766	-39.396612674801	-101.427429	2905.68,107580324	433635.00,43	3463.25467713896	3205.74630741258	3193.9836787127704	3194.471910546535	96.72423733682126
295	192	14635	-176901.1413	1918457	31.70250766	-39.39670723488865	-101.4250949	2911.69,213343324	433635.00,98080797	3460.191763195997	3209.6711528124814	3193.1431518185658	3193.6532246137699	96.04500300378562
296	192	14636	-176241.1413	1918457	31.70250766	-39.39571929796359	-101.4227607	2913.70,2718	433634.91,91074058	3456.11797524899	3208.652560362224	3191.9845289553086	3192.005615849046	96.6680140691536
297	192	14637	-175581.1413	1918457	31.70250766	-39.3957311594019	-101.4204265	2915.71,320285018	433634.87,587	3452.041773773801	3207.6539161481246	3190.80073	3190.751742685047	96.96317418796192
298	192	14638	-174921.1413	1918457	31.70250766	-39.3957432882867	-101.4180924	2917.72,3903856207	433634.79,006368	3447.9703793540038	3206.669704	3189.5173359819196	3189.5173359819196	97.1523677792021
299	192	14638	-174261.1413	1918457	31.70250766	-39.39576521662893	-101.4157582	2919.73,4518436275	433634.79,73486496	3444.894616152038	3205.83583315433	3187.673778519844	3187.673778519844	98.01904603
300	192	14640	-173801.1413	1918457	31.70250766	-39.39576709934103	-101.413424	2921.74,511448629	433634.75,6738604	3442.7424873800314	3204.7208571371097	3186.60837808078	3186.240910845334	98.47994398
301	192	14641	-172941.1413	1918457	31.70250766	-39.3957789096468	-101.4110898	2923.75,5708414709	433634.71,61056118	3440.61518680024	3203.7493574137793	3185.0019865969625	3185.3977002644077	98.4737081781677
302	192	14642	-172281.1413	1918457	31.70250766	-39.3957907255051	-101.4087557	2925.76,73034004013	433634.65,54567498	3438.487536930163	3202.7769131058735	3182.81784459913	3182.81784459913	98.95906814596037
303	192	14643	-171621.1413	1918457	31.70250766	-39.39580247694786	-101.4064215	2927.77,68902265758	433634.63,492071506	3437.274449242837	3201.82023	3180.8482199147793	3180.8717668799146	100.953806471087
304	192	14644	-170961.1413	1918457	31.70250766	-39.39581417930694	-101.4040873	2929.78,7480763404	433634.59,4187643	3437.27590372826	3200.8232548312094	3178.77963258683	3178.77963258683	101.6083823241634
305	192	14645	-170301.1413	1918457	31.70250766	-39.39582536577714	-101.401751	2931.79,8083891697	433634.55,37	3437.17706218362	3200.73190436222	3176.7519303012614	3176.7519303012614	102.5746679081873
306	192	14646	-169641.1413	1918457	31.70250766	-39.39583744870014	-101.399419	2933.80,8647643594	433634.51,21091765	3437.0782217699107	3200.81939800394	3175.088503259707	3175.07472403939	103.721749064034
307	192	14647	-168981.1413	1918457	31.70250766	-39.39584692	-101.397104	2935.85,6228145507	433634.47,8228145507	3436.943228145507	3200.81939800394	3175.088503259707	3175.07472403939	104.012131140825
308	192	14648	-168321.1413	1918457	31.70250766	-39.39585057385992	-101.3947506	2937.82,8001951053	433634.43,93112295	3435.8500202861	3200.81939800394	3175.088503259707	3175.07472403939	105.0723055504515
309	192	14649	-167661.1413	1918457	31.70250766	-39.39587201477721	-101.3924164	2939.84,038	433634.39,13392465	3435.536615885314	3200.81939800394	3175.088503259707	3175.07472403939	106.0732344615896
310	192	14650	-167001.1413	1918457	31.70250766	-39.39588344660308	-101.3900823	2941.85,096253038	433634.35,01633474	3435.379471441679	3200.81939800394	3175.088503259707	3175.07472403939	107.603468126599
311	192	14651	-166341.1413	1918457	31.70250766	-39.39588483334654	-101.3877481	2943.86,1533170934	433634.31,07833474	3435.26924467597	3200.81939800394	3175.088503259707	3175.07472403939	108.72310156817232
312	192	14652	-165681.1413	1918457	31.70250766	-39.39590917495851	-101.3854139	2945.87,2107811281	433634.26,97569942	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	109.7016926521471
313	192	14653	-165021.1413	1918457	31.70250766	-39.39591775161894	-101.383079	2947.88,2677413424	433634.22,984818762	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	109.72367631648028
314	192	14654	-164361.1413	1918457	31.70250766	-39.39592723036959	-101.3807455	2949.89,65004916	433634.18,18010934	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	110.6177324337796
315	192	14655	-163701.1413	1918457	31.70250766	-39.395939920432456	-101.3784113	2951.90,3810591332	433634.14,78302445	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	111.3463430416275
316	192	14656	-163041.1413	1918457	31.70250766	-39.39595100072136	-101.3760772	2953.91,4374111944	433634.10,73024	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	112.3645303105438
317	192	14657	-162381.1413	1918457	31.70250766	-39.39596221	-101.373743	2955.92496	433634.06,762458	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	113.4634302795558
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319	192	14659	-161061.1413	1918457	31.70250766	-39.39598434063584	-101.3690746	2959.94,605291848	433633.95,122741	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	115.48493827883027
320	192	14660	-160401.1413	1918457	31.70250766	-39.39599133842286	-101.366704	2961.95,6096321421	433633.91,494941	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	116.5245365121492
321	192	14661	-159741.1413	1918457	31.70250766	-39.39600262089184	-101.3644602	2963.96,7162	433633.87,9348231	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	117.6848172886521
322	192	14662	-159081.1413	1918457	31.70250766	-39.39601711164812	-101.362072	2965.97,713447221	433633.82,90716	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	118.7365307387319
323	192	14663	-158421.1413	1918457	31.70250766	-39.39602796	-101.3597379	2967.98,826298586	433633.78,3243868	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	119.843430418986
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325	192	14665	-157101.1413	1918457	31.70250766	-39.39604951341437	-101.3550695	2972.00,936	433633.70,393924	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	122.000597474235
326	192	14666	-156441.1413	1918457	31.70250766	-39.39606023282562	-101.3527353	2974.01,88994685	433633.66,153393	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	123.000597474235
327	192	14667	-155781.1413	1918457	31.70250766	-39.39607089148106	-101.3504602	2976.02,9368763	433633.62,9348231	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	124.000597474235
328	192	14668	-155121.1413	1918457	31.70250766	-39.39608150381812	-101.3480609	2978.04,080808505	433633.58,761259	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	125.000597474235
329	192	14669	-154461.1413	1918457	31.70250766	-39.39609024542668	-101.3457327	2980.05,151840887	433633.54,9924013	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	126.000597474235
330	192	14670	-153801.1413	1918457	31.70250766	-39.39610261	-101.3433985	2982.06,2054025476	433633.50,9347011	3435.21404654078	3200.81939800394	3175.088503259707	3175.07472403939	127.000597474235
331	192	14671	-153141.1413	1918457	31.70250766	-39.3961130955505	-101.3410643	2984.08,258661191	433633.46,729597	3435.21404654078	3200.81939800394	31		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatfThg.f	SatfBoth.f
411	142	1471	-100341.1413	918457.3170250766	39.3680580704396	-101.1543269	114490.9043273935	4383026.15	3261.494662864309	31.04161669070607	3044.9242968057597	3044.934454083395	55.37372726	55.5252240320564
412	142	1472	-96981.1413	918457.3170250766	39.3681264011483	-101.1519626	114891.9424117238	4383022.11745429	3258.6196790012754	307.548019116886	3044.071581181565	3044.044001762436	50.8761793572938	50.90740174064228
413	142	1473	-89021.1413	918457.3170250766	39.36811942	-101.1486594	114892.801737849	4383018.074848121	3255.744689276544	305.641685097874	3042.630492109423	3042.620514008974	52.83392729472866	52.93364400896119
414	142	1474	-84361.1413	918457.3170250766	39.36826170265333	-101.1473241	115044.9102417731635	4383014.03832921	3252.869720411511	302.961903	3042.378910703686	3042.273912876793	50.60292739873906	50.73904054600257
415	142	1475	-79701.1413	918457.3170250766	39.36832867705356	-101.1445899	115295.05522762006	4383010	3249.064344338973	303.507785463747	3041.282922	3041.285165	49.2785642586454	49.2456143394453
416	142	1476	-747041.1413	918457.3170250766	39.3683952005389	-101.1426557	115496.09260134253	4383005.962810498	3248.126041623546	308.102730017067	3039.544103233179	3039.795337530283	48.5826678472749	48.307324872623474
417	142	1477	-69381.1413	918457.3170250766	39.3684612731784	-101.1403214	115697.126969469	4383001.9252364	3246.351248820113	308.6937935183443	3036.5074901451	3037.0564951848373	49.1908378328927	48.6414399589698
418	142	1478	-6527.1413	918457.3170250766	39.3685268948703	-101.1379872	115888.1666073865	4382997.888024754	3243.428365	308.3176860726517	3031.153573619136	3031.614662	52.164112453458074	51.70302739833174
419	142	1479	-59561.1413	918457.3170250766	39.3685925956582	-101.1356529	116099.2034073804	4382993.851	3235.744689276544	305.641685097874	3042.630492109423	3042.620514008974	52.93392729472866	52.93364400896119
420	142	1479	-54401.1413	918457.3170250766	39.3686557554505	-101.133187	116300.2389939303	4382989.514	3225.502055114599	3019.559718807919	3019.800533567415	3019.800533567415	58.73714868542194	58.73714868542194
421	142	1471	-93741.1413	918457.3170250766	39.36872105452765	-101.1309845	116601.27626746125	4382987.77394979	3221.171187807224	3076.32422	3021.171187807224	3019.796164558666	61.3440105523347	60.61380538937336
422	142	1472	-93081.1413	918457.3170250766	39.368784726073	-101.1286502	116702.31246155826	4382981.740913384	3216.8215425494454	3074.064125843886	3010.8137513819743	3010.486782682824	63.2232744619143	62.55834611609017
423	142	1473	-92421.1413	918457.3170250766	39.368848237935	-101.126316	116903.346723269	4382977.586831269	3214.204863934154	3071.79586891441	3009.024600401922	3009.024600401922	62.9789136951936	62.2989619790164
424	142	1474	-91761.1413	918457.3170250766	39.368891156058123	-101.1239817	117104.3843122659	4382973.68851625	3210.3210833921234	3069.5749412472546	3007.3815796279487	3007.3815796279487	62.19336161930506	61.20563639
425	142	1475	-9101.1413	918457.3170250766	39.3689372814248	-101.1216475	117305.41996592747	4382969.632871448	3207.432730731508	3067.382038248548	3005.255282054814	3005.255282054814	61.1249666706817	60.19594836382425
426	142	1476	-90441.1413	918457.3170250766	39.3690353538989	-101.119312	117506.4544749596	4382965.990991728	3204.553221080777	3055.214368971754	3005.306607504096	3006.1937116317087	59.90502903105544	59.1072353546863
427	142	1477	-89781.1413	918457.3170250766	39.369099719845114	-101.116879	117707.4907476945	4382961.561512462	3201.917720904156	3050.0718760352297	3004.052649340764	3004.747401285904	59.9100371295328	58.74642987472026
428	142	1478	-89121.1413	918457.3170250766	39.3691158211084	-101.1146447	117908.5256948503	4382957.52623367	3199.592899121335	3060.958132488836	3002.557706703767	3002.557706703767	58.1316400922446	57.136460922446
429	142	1479	-88461.1413	918457.3170250766	39.369218973861	-101.1123105	118109.5608132865	4382953.4911552435	3197.142077338514	3058.8739203041786	3000.7031754578834	3001.3363562390005	58.16885499292555	57.5356741798574
430	142	1477	-87801.1413	918457.3170250766	39.3692318471074	-101.1099763	118310.59557629065	4382949.456277275	3194.754527335814	3056.813692923321	2998.4570920036228	2999.151778923462	58.5377912969826	57.9471399805794
431	142	1477	-87141.1413	918457.3170250766	39.369338464655	-101.107642	118511.63106717075	4382945.421599729	3191.645807732569	3054.7835871424254	2996.387360398214	2996.387360398214	58.9098907442125	58.98911012818656
432	142	1477	-86481.1413	918457.3170250766	39.3693952536536	-101.1053708	118712.65457874095	4382941.387122588	3187.81673430551	3052.780573574818	2992.6611113000973	2993.28349843557	59.06177647270059	59.4964069126124
433	142	1477	-85821.1413	918457.3170250766	39.3694571118389	-101.1029223	118915.93283474	4382937.65824549	3182.927815833074	3049.481469146427	2988.357891046878	2988.357891046878	60.002739822556	60.002739822556
434	142	1477	-85161.1413	918457.3170250766	39.36951515190617	-101.1006393	119114.7328954829	4382933.319	3180.1558571629095	3048.8535942587464	2981.0158908223336	2980.4948510665106	60.37337651276	60.35872915269055
435	142	1475	-84501.1413	918457.3170250766	39.36959754735879	-101.098305	119315.7674960187	4382929.28493539	3176.78645790974217	3046.927690974217	2979.0889191302635	2978.55545414868	62.828093653823	62.873217225376
436	142	1476	-83841.1413	918457.3170250766	39.36963098080896	-101.0959708	119516.8005	4382925.25127952	3175.871273239814	3045.02693315272	2979.547590079835	2979.352506505834	65.4790830658864	65.4718257600874
437	142	1477	-83181.1413	918457.3170250766	39.3696386833253	-101.0936365	119717.8338036065	4382921.21727347	3173.06488481692	3044.12546987566	2979.160812923571	2979.254695819458	63.99136366399458	63.876961267787
438	142	1478	-82521.1413	918457.3170250766	39.369744383963	-101.0913023	119918.8673	4382917.18446789	3168.00493723569	3041.707390564554	2976.983606360753	2977.2000778370255	64.32410324	64.10683176762996
439	142	1478	-81861.1413	918457.3170250766	39.36980079164216	-101.088868	120119.80065476	4382913.025481006	3167.151289536824	3039.8451914985	2974.84120736892	2974.84120736892	64.4007458932529	64.4007458932529
440	142	1479	-81201.1413	918457.3170250766	39.36985713735879	-101.0864338	120320.150058824	4382909.115819213	3166.777457591022	3037.7351351356	2976.8702631700704	2976.8702631700704	64.854516537678	64.854516537678
441	142	1478	-80541.1413	918457.3170250766	39.36991917433765	-101.0842995	120521.96329731417	4382905.0853387	3166.124095351558	3035.973204769783	2976.12955500548024	2976.12955500548024	64.854516537678	64.854516537678
442	142	1478	-79881.1413	918457.3170250766	39.36996654432705	-101.0819635	120722.99887821585	4382901.05343187	3165.940294583753	3034.269784532753	2976.49408165799	2976.49408165799	64.7766669777144	64.7295395780212
443	142	1473	-79221.1413	918457.3170250766	39.37002089341086	-101.079631	120924.03145159304	4382897.02108079	3162.10221599736	3032.6033854657408	2975.39224665803	2975.39224665803	64.7295395780212	64.7295395780212
444	142	1474	-78561.1413	918457.3170250766	39.370074079158894	-101.0772968	121123.063505195	4382892.98028415	3162.665377270227	3031.9527149463024	2975.013578614894	2975.013578614894	64.7295395780212	64.7295395780212
445	142	1478	-77901.1413	918457.3170250766	39.370128238691	-101.0748265	121326.058759577	4382890.751532775	3161.762329529397	3029.367450597095	2974.247501071044	2974.247501071044	64.7295395780212	64.7295395780212
446	142	1478	-77241.1413	918457.3170250766	39.370181252276	-101.0724923	121527.1278203407	4382889.425481006	3161.751289536824	3027.8451914985	2974.84120736892	2974.84120736892	64.7295395780212	64.7295395780212
447	142	1478	-76581.1413	918457.3170250766	39.370237806876	-101.070824	121728.15969787	4382888.94	3161.73231113555	3026.958182087984	2973.18723283748	2973.18723283748	64.7295395780212	64.7295395780212
448	142	1478	-75921.1413	918457.3170250766	39.3702858752418	-101.0679598	121929.911980477	4382876.6273316	3161.0943940405554	3024.94733105065	2973.068243641295	2973.068243641295	64.7295395780212	64.7295395780212
449	142	1478	-75261.1413	918457.3170250766	39.3703735188896	-101.0655255	122130.2226257485	4382873.81665881	3160.47446888154	3023.6155748691917	2973.068243641295	2973.068243641295	64.7295395780212	64.7295395780212
450	142	1479	-74601.1413	918457.3170250766	39.3703887	-101.0632912	122331.253879057	4382868.8007396	3160.47446888154	3022.490874823287	2973.068243641295	2973.068243641295	64.7295395780212	64.7295395780212
451	142	1479	-73941.1413	918457.3170250766	39.37043945346596	-101.060957	122532.28498577923	4382863.701723785	3157.01551093099	3021.128191302641	2973.068243641295	2973.068243641295	64.7295395780212	64.7295395780212
452	142	1479	-73281.1413	918457.3170250766	39.370494847439436	-101.0586227	122733.315865279	4382860.739653105	3155.958664795377	3019.933840595377	2973.18723283748	2973.18723283748	64.7295395780212	64.7295395780212
453	142	1479	-72621.1413	918457.3170250766	39.37054116843346	-101.0562912	122934.34669527	4382857.61469527	3154.92545807948	3018.933840595377	2973.18723283748	2973.18723283748	64.7295395780212	64.7295395780212
454	142	1479	-71961.1413	918457.3170250766	39.37058897351231	-101.0538452	123135.3757105279	4382852.69312463	3153.858667729047	3017.9518514808916	2973.18723283748	2973.18723283748	64.7295395780212	64.7295395780212
455	142	1479	-71301.1413	918457.3170250766	39.37063731917394	-101.05162	123336.4075471623	4382848.64942476	3151.596641303272	3016.4173716				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatThKrg.f	SatThBoth.f
532	192	141877	-17181.14133	918457	31.70250766	-98.39731164016047	-00.8602102	339820.33158490535	43625.18806959142	204.263927266501	2910.829486965154	2806.779893028548	93.0227817758509	104.0505036283675
538	192	141878	-16521.14133	918457	31.70250766	-98.39731279143012	-00.857876	33901.4458214964	43625.184736441	3031.664782676977	2909.276321177629	2805.3905253736446	103.8041124259636	103.966796041442
539	192	141879	-15961.14133	918457	31.70250766	-98.3973138676089	-00.856417	34022.9634	43625.1854297256	3030.24283	2907.700433048197	2803.582934068198	103.582934068198	103.7658957444582
540	192	141880	-15001.14133	918457	31.70250766	-98.39731456859195	-00.8532074	340423.381406225	43625.06684115582	3029.99087539627	2906.09740054534	2802.8810327656044	103.2160031289347	103.5010593404747
541	192	141881	-14541.14133	918457	31.70250766	-98.3973159746205	-00.8508732	340624.397	43625.0287340624	3029.75383388142	2904.760308672561	2801.618165	103.0451420751092	103.2314289814077
542	192	141882	-13881.14133	918457	31.70250766	-98.39731695	-00.8485389	340825.4139	43624.9816257022	3029.5058592370016	2902.407005843455	2799.9630562578456	102.8096273303698	103.1033425057089
543	192	141883	-13221.14133	918457	31.70250766	-98.39731787141076	-00.8462046	341026.42857156	43624.948036179	3028.424362115994	2798.0265312128595	2798.0265312128595	103.0706899587391	103.16346695804162
544	192	141884	-12561.14133	918457	31.70250766	-98.39731875213337	-00.8438703	341227.4465	43624.90183793	3028.50066122122	2899.364557923691	2796.1205656248584	102.79614397341513	103.24290169697614
545	192	141885	-11961.14133	918457	31.70250766	-98.39731965776518	-00.8413561	341428.4614892867	43624.8577987517	3027.922515453336	2897.700433048197	2794.2414512375913	102.7942855798308	103.3576589584471
546	192	141886	-11411.14133	918457	31.70250766	-98.3973203730541	-00.8392018	341629.4704225835	43624.8276837305	3027.653297365373	2895.702033259474	2792.265007101891	102.7322362859577	103.4656703595633
547	192	141887	-10581.14133	918457	31.70250766	-98.3973211237544	-00.8368675	341830.4904545696	43624.7876787385	3020.255623965495	2893.364807702838	2790.1836478844004	102.7317330204376	103.7210121939131
548	192	141888	-9921.141327	918457	31.70250766	-98.39722182411228	-00.8345333	342031.5076330791	43624.744541655	3017.3840560053172	2892.0891630410424	2788.065157258125	102.0236471522994	104.0217819553484
549	192	141889	-9261.141327	918457	31.70250766	-98.39722479378984	-00.832199	342322.52270733437	43624.73454485	3014.21248082084	2890.1953559580766	2785.79979627587	101.8432576035586	104.05528562249047
550	192	141890	-8601.141327	918457	31.70250766	-98.3972309955443	-00.8296647	342433.5376	43624.6612367927	3011.640920159853	2888.274168891687	2783.658369158267	101.8432576035586	104.0655445713102
551	192	141891	-7941.141327	918457	31.70250766	-98.39723634587378	-00.8275304	342634.525956522	43624.6271288025	3008.6622236304	2886.3264714033623	2782.755798480597	101.8432576035586	104.2012658301792
552	192	141892	-7281.141327	918457	31.70250766	-98.3972417463183	-00.8251962	342835.5670119452	43624.5872029247	3005.948394563394	2884.3535954534	2783.85910275894	101.8432576035586	104.4041785740716
553	192	141893	-6621.141327	918457	31.70250766	-98.3972464953373	-00.8228619	343036.5814747801	43624.5456923037	3003.11056629076	2882.3611095198	2782.7682967663552	101.8432576035586	104.6013322659373
554	192	141894	-5961.141327	918457	31.70250766	-98.397250793445	-00.8205276	343237.5957572734	43624.5082613757	3000.27728821812	2788.99578151095	2788.99578151095	101.8432576035586	104.8119432880012
555	192	141895	-5301.141327	918457	31.70250766	-98.3972545064038	-00.8181933	343438.609	43624.467123687	2999.36718815566	2786.1036343928	2790.36827080576	101.8432576035586	105.003808845455
556	192	141896	-4641.141327	918457	31.70250766	-98.39725830692304	-00.8158591	343639.623050466	43624.426623488	2976.25110877406	2791.3756806280535	2791.3756806280535	101.8432576035586	105.228562493047
557	192	141897	-3981.141327	918457	31.70250766	-98.3972609822944	-00.8135248	343840.631	43624.386251643	3001.424108221568	2792.27954949708	2792.27954949708	101.8432576035586	105.4619318177446
558	192	141898	-3321.141327	918457	31.70250766	-98.39726364759396	-00.8111905	344041.65150792856	43624.3456495474	3002.452221590164	2874.112714260593	2792.897239781767	101.8432576035586	105.7233474518857
559	192	141899	-2661.141327	918457	31.70250766	-98.397268320015	-00.8086417	344248.743204967	43624.30568238	3003.044528157044	2872.0248811370446	2792.897239781767	101.8432576035586	105.99178997416
560	192	141900	-2001.141327	918457	31.70250766	-98.3972671212371	-00.805522	344443.674605393	43624.265693748	3002.987203005425	2867.9239471573	2792.021258263416	101.8432576035586	106.27357355
561	192	141901	-1341.141327	918457	31.70250766	-98.39726825466074	-00.8041877	344644.6917	43624.2261663778	3003.001152857314	2865.82973405803	2789.802815010165	101.8432576035586	106.512423867368
562	192	141902	-681.1413269	918457	31.70250766	-98.39726894547224	-00.8018534	344845.7048095276	43624.1860841573	3002.93150702908	2863.7160077257	2786.526822397125	101.8432576035586	106.773263307
563	192	141903	-21.14132693	918457	31.70250766	-98.39726918537225	-00.7995192	345046.71787157	43624.1601071799	3002.902862265963	2861.594376613603	2782.771033040937	101.8432576035586	106.9824062037657
564	192	141904	638.85667303514	918457	31.70250766	-98.3972698743599	-00.7971418	345247.730565532	43624.102903765	3002.7729607562	2859.4765051317	2778.815757056315	101.8432576035586	107.246717328267
565	192	141905	1298.85667303514	918457	31.70250766	-98.39727048619387	-00.7948596	345448.743204967	43624.0548187929	3002.754878195816	2857.346878419588	2778.7134446881457	101.8432576035586	107.5784715899704
566	192	141906	1958.85667303514	918457	31.70250766	-98.39727156195656	-00.7925164	345648.75570319696	43624.0575475474	3002.335417007738	2855.214807548937	2772.205396695894	101.8432576035586	107.83004785
567	192	141907	2618.85667303514	918457	31.70250766	-98.397265368514	-00.7901821	345850.7860591976	43623.9856991051	3002.66409	2853.077850331676	2770.333027804857	101.8432576035586	108.03253105638
568	192	141908	3278.85667303514	918457	31.70250766	-98.3972636211914	-00.7878478	346051.7802511667	43623.9516924001	3003.517634734017	2850.891254660973	2768.6304166649183	101.8432576035586	108.24668406
569	192	141909	3938.85667303514	918457	31.70250766	-98.39726115561495	-00.7855135	346252.79203115266	43623.9554529828	3003.37117951564	2848.799991795587	2767.359857330576	101.8432576035586	108.452949414
570	192	141910	4598.85667303514	918457	31.70250766	-98.397252931354	-00.7831793	346453.8042020784	43623.9657492466	3005.2247429272717	2846.62358127085	2766.328744606055	101.8432576035586	108.6148231783937
571	192	141911	5258.85667303514	918457	31.70250766	-98.397254687173944	-00.780845	346654.81595415017	43623.92540991315	3006.398106269438	2844.525434559588	2765.96489189214	101.8432576035586	108.7764717328267
572	192	141912	5918.85667303514	918457	31.70250766	-98.3972568249556	-00.7785708	346865.927557474	43623.9341549402	3007.404528157044	2842.392565180374	2762.804716414044	101.8432576035586	108.99178997416
573	192	141913	6578.85667303514	918457	31.70250766	-98.39725867244119	-00.7761765	347068.8301255217	43623.944954534	3009.23992362571	2840.279425927944	2762.909153567294	101.8432576035586	109.2105294
574	192	141914	7238.85667303514	918457	31.70250766	-98.3972420640805	-00.7738422	347275.8503	43623.950228341	3010.675294120537	2838.169137818593	2761.614224053475	101.8432576035586	109.425822531056
575	192	141915	7898.85667303514	918457	31.70250766	-98.3972388930372	-00.7715079	347458.841780037	43623.96516	3010.78061325937	2836.07907485514	2760.328978395652	101.8432576035586	109.6549137643835
576	192	141916	8558.85667303514	918457	31.70250766	-98.39723312710816	-00.7691736	347659.872488845	43623.9611470313	3010.558715996762	2833.96186652324	2759.089434910516	101.8432576035586	109.8206190501742
577	192	141917	9218.85667303514	918457	31.70250766	-98.3972251982144	-00.7668394	347860.883251418	43623.950469042	3011.91312889978	2831.915763123424	2757.91054875875	101.8432576035586	110.0019753203704
578	192	141918	9878.85667303514	918457	31.70250766	-98.39721867443419	-00.7645085	348061.8940677815	43623.9454	3007.100344143178	2829.958384893006	2758.9940573738695	101.8432576035586	110.265429521
579	192	141919	10538.85667303514	918457	31.70250766	-98.39721698249556	-00.7621787	348270.94945634	43623.944954534	3008.1452812354	2827.9134574614044	2757.91054875875	101.8432576035586	110.4718971193152
580	192	141920	11198.85667303514	918457	31.70250766	-98.39720247241142	-00.759835	348463.915052274	43623.944954534	3009.441932364107	2825.761100278471	2756.0219340389308	101.8432576035586	110.74103457
581	192	141921	11858.85667303514	918457	31.70250766	-98.3971963976264	-00.7575023	348664.9253304566	43623.9448	3009.44435540282	2823.766174	2750.23854541171	101.8432576035586	110.97562847
582	192	141922	12518.85667303514	918457	31.70250766	-98.3971880719985	-00.755168	348865.936412675	43623.9448426235	3004.044478452353	2821.754978350866	2747.765733570393	101.8432576035586	111.238764674726
583	192	141923	13178.85667303514	918457	31.70250766	-98.39717929186165	-00.7528337	349066.94543409704	43623.9441151385	3003.9739648	2819.705436882215	2745.1688738989384	101.8432576035586	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogs.kg.f	BRIElevBoth.kg.f	SatHtLogs.ft	SatHtBoth.ft
652	192	142003	65978.8586730335	1918457.3170250766	-00.5660924	36147.2880487205	4362014.775670905	288547.41817081997	2664.8046495675267	261.1934092316495	26322.1333775096493	26322.1333775096493	32.6812720587732	32.6812720587732
654	192	142004	65938.8586730335	1918457.3170250766	-00.5657482	365348.2865412585	4362010.78474601	2882.69717442081331	2609.194565719325	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
655	192	142005	67288.8586730335	1918457.3170250766	-00.5651493	365449.285296992	4362010.78461128	2883.920087142328	2609.170048581811	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
656	192	142006	67958.8586730335	1918457.3170250766	-00.5650987	365708.788145977	4362010.78163262	2887.1430411180354	2659.390878583476	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
657	192	142007	68618.8586730335	1918457.3170250766	-00.5657554	365983.215861276	4362010.78163262	2887.1430411180354	2659.390878583476	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
658	192	142008	69278.8586730335	1918457.3170250766	-00.5654421	366120.780541202	4362010.78163262	2887.1430411180354	2659.390878583476	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
659	192	142009	69938.8586730335	1918457.3170250766	-00.5652869	366353.278841967	4362010.78163262	2887.1430411180354	2659.390878583476	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
660	192	142010	70598.8586730335	1918457.3170250766	-00.5497526	366554.278977558	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
661	192	142011	71258.8586730335	1918457.3170250766	-00.5474784	366755.2748754758	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
662	192	142012	71918.8586730335	1918457.3170250766	-00.5450841	366956.272650191	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
663	192	142013	72578.8586730335	1918457.3170250766	-00.5427498	367157.2703963383	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
664	192	142014	73238.8586730335	1918457.3170250766	-00.5404156	367358.2675155653	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
665	192	142015	73898.8586730335	1918457.3170250766	-00.5380814	367559.265309972	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
666	192	142016	74558.8586730335	1918457.3170250766	-00.5357471	367760.2625710758	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
667	192	142017	75218.8586730335	1918457.3170250766	-00.5334128	367961.259708661	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
668	192	142018	75878.8586730335	1918457.3170250766	-00.5310786	368162.2567181501	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
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693	192	142043	92378.8586730335	1918457.3170250766	-00.4727224	373187.1413264029	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
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695	192	142045	93698.8586730335	1918457.3170250766	-00.4680539	373589.1265165236	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
696	192	142046	94358.8586730335	1918457.3170250766	-00.4657196	373790.1232191916	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
697	192	142047	95018.8586730335	1918457.3170250766	-00.4633854	373991.157293053	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805	32.95589191677816	32.95589191677816	
698	192	142048	95678.8586730335	1918457.3170250766	-00.4610512	374192.1092073656	4361996.862375714	287.1826955701368	2652.739077573196	260.9436251166335	2631.7628151119805			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRiElevLogs.fg	BRiElevBoth.fg	SurfAtk.fg	SatBoth.fg
49	19	14219	-33261.1413	919117.3170250766	39.38318262	-01.99992996	241705.72050088784	4364702.630344128	39840.927716271832	3680.9602741020994	3623.0558522484525	3593.6915028293183	57.90442185454854	87.26877127368107
50	19	14219	-33660.1413	919117.3170250766	39.33025775845551	-01.99686366	241309.83740811955	4364566.518497543	3882.77911	3679.943848476915	3616.2131819202483	3571.7170254665	96.97523142821183	95.73723142821183
51	19	14219	-33284.1413	919117.3170250766	39.38322685188464	-01.9846317	241704.3645975473	4364694.408564429	3878.761159949495	3679.8843689586984	3639.3168924811196	3570.5825693487448	108.32812914730466	107.32812914730466
52	19	14213	-33728.1413	919117.3170250766	39.33251949450222	-01.9922277	242309.0758589352	4364690.25	3875.1449575199999	3670.8282924232	3602.7781765157215	3567.8612584404585	57.06035177677014	109.7726977096471
53	19	14213	-33662.1413	919117.3170250766	39.38327496863084	-01.98993638	242510.18656971004	4364686.184178585	3870.4934035015024	3676.7852296862	3596.622219	3568.5712330222301	80.16536367791796	108.21634274631474
54	19	14214	-33561.1413	919117.3170250766	39.3832794273033	-01.9876296	242711.3024861004	4364682.7043145841	3865.841848570057	3673.1655509803	3590.619330323874	3561.1120224774155	110.41288471729213	104.46388471729213
55	19	14213	-33501.1413	919117.3170250766	39.3832087174858	-01.9852599	242912.48111359883	4364677.36216359	3861.204122459243	3674.674082762735	3585.250372569323	3574.981975622196	89.42005614695017	96.8840151450389
56	19	14216	-33464.1413	919117.3170250766	39.3334375585551	-01.982619	243113.5334899414	4364673.851960075	3856.5802300042584	3673.603932726394	3580.480662527014	3573.5728999898448	81.173074562547	96.010321399079
57	19	14217	-33381.1413	919117.3170250766	39.3836565454131	-01.9806278	243314.6486118852	4364669.121260236	3851.953387800926	3672.531287250248	3575.9891487026216	3569.51629242749	95.3410866232945	95.3410866232945
58	19	14216	-33332.1413	919117.3170250766	39.383393831573	-01.978254	243515.7635	4364665.61049232	3847.334415556267	3671.457054740214	3571.8176354096653	3563.19675765152	96.6400598	108.209379037693
59	19	14219	-33261.1413	919117.3170250766	39.383412137008724	-01.97596	243716.8038023273	4364661.52103621	3843.489694178306	3671.727587919302	3567.727587919302	3567.727587919302	112.6322547628715	112.6322547628715
60	19	14210	-33201.1413	919117.3170250766	39.38343484	-01.9736261	24391.9924530475	4364651.411221429	3840.42809364704	3669.29256572333	3563.84712282281	3555.42282814094	105.445122744224	113.869417462242
61	19	14211	-33141.1413	919117.3170250766	39.38345749915045	-01.9712921	244119.106559317	4364653.302	3837.366481205785	3668.201646255172	3559.994442540537	3552.0826702341556	108.20722172518026	116.11899403156167
62	19	14212	-33081.1413	919117.3170250766	39.383480112599036	-01.9698581	244320.204	4364649.19202741	3834.04892591452	3667.10379452043	3556.198328749355	3553.049193024308	110.94505117709632	117.1328690286999
63	19	14213	-33002.1413	919117.3170250766	39.38350260969614	-01.9686242	244521.34	4364645.03800236	3831.631795705363	3665.994415131165	3552.4837488756763	3551.5039715056896	113.0158924302144	124.1403978268266
64	19	14214	-32936.1413	919117.3170250766	39.383525	-01.9642902	244722.4475843657	4364640.97400607	3829.203086762215	3664.9727423767	3552.691311484118	3553.06745698675	112.178502826476	111.80528732501085
65	19	14215	-32870.1413	919117.3170250766	39.38354786255454	-01.9619652	244923.5604529515	4364638.86521132	3826.974197192772	3663.7374851814416	3552.309634235683	3553.067220891529	111.418509278032	110.0402248991256
66	19	14216	-32804.1413	919117.3170250766	39.38357011557757	-01.9596222	245124.6729351574	4364632.756619464	3824.651750673252	3662.589856582103	3551.263341325891	3551.667188	111.3205152530911	105.9226870890521
67	19	14217	-32738.1413	919117.3170250766	39.3835925	-01.9572883	245325.78588247107	4364628.64230005	3822.1352027797	3661.42990474841	3550.16701538777	3552.261412054293	111.2625710616415	104.16817840201774
68	19	14218	-32672.1413	919117.3170250766	39.3836148465768	-01.9549543	245526.89821920038	4364624.540054762	3819.422918509105	3660.253081413553	3549.191281057263	3559.981970514658	111.0640270832893	109.7316732669741
69	19	14219	-32601.1413	919117.3170250766	39.38363714455314	-01.9526203	245728.010303964	4364620.432	3816.710586740444	3659.0504	3548.32768289605	3560.930817708806	110.73777917551	98.1346227747957
70	19	14210	-32540.1413	919117.3170250766	39.3836593724851	-01.9502663	245928.12213675005	4364615.624258348	3813.995254962578	3657.858931448028	3547.728109443753	3564.104059521170	110.1306224059624	93.75487552581748
71	19	14211	-32481.1413	919117.3170250766	39.38368192452395	-01.9479176	246114.8617147056	4364612.17	3812.67169863437	3657.83797810248	3547.822242020017	3562.55211119452	108.154170481442	97.8247783293572
72	19	14212	-32408.1413	919117.3170250766	39.383703759279	-01.9456184	246331.304505427	4364608.10933446	3809.597479138866	3655.39429144856	3547.929862529303	3572.291556880846	107.4504265755532	93.8795941063956
73	19	14213	-32342.1413	919117.3170250766	39.3837258514201	-01.9432844	246532.4561274873	4364602.020169931	3807.567447918368	3654.124564913161	3548.636241088456	3575.0822646485135	105.488322847052	79.02643260464757
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75	19	14215	-32210.1413	919117.3170250766	39.3837698505216	-01.9386164	246934.6732777568	4364595.784483763	3804.571474342002	3651.526438616935	3551.942880582202	3585.320847647805	93.620549175	
76	19	14216	-32144.1413	919117.3170250766	39.38379167308196	-01.9362824	247135.78795954518	4364591.681821775	3804.671154605533	3650.189861566875	3554.831881269466	3587.5467383785085	95.3588043400262	62.64231218486669
77	19	14217	-32078.1413	919117.3170250766	39.3838192452395	-01.9338948	247336.7898326865	4364587.95258685	3804.789826833287	3648.8268333287	3554.8268333287	3586.21089225157	90.227358028962	95.3588043400262
78	19	14218	-32012.1413	919117.3170250766	39.3838357666771	-01.9316145	247538.07673473519	4364584.97347519	3803.9352552504	3648.38114971903	3553.12331172377	3584.38114971903	94.061383401747	
79	19	14219	-31946.1413	919117.3170250766	39.38385764372414	-01.9292805	247739.17134875814	4364579.363426084	3802.300955747255	3646.0128148518274	3569.1106083389786	3581.279632265842	76.90220651	64.7312825859831
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82	19	14212	-31748.1413	919117.3170250766	39.3839221439961	-01.9222785	248342.4446706483	4364567.407960479	3786.499472437296	3641.5637117454758	3555.652537014056	3579.854830739175	91.03600530316	49.97858530752409
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85	19	14215	-31550.1413	919117.3170250766	39.3839877763332	-01.9152765	248945.7696076822	4364552.3001064	3772.72722467664	3636.82673285732	3554.831881269466	3587.81790534173	110.94505117709632	98.00881797
86	19	14216	-31484.1413	919117.3170250766	39.3840031081316	-01.9129425	249146.8774935996	4364550.62745946	3768.2716714161076	3635.183836	3551.62897662227	3528.876015974165	112.6322547628715	102.73242039328
87	19	14217	-31418.1413	919117.3170250766	39.384030779210235	-01.9106085	249347.88507816315	4364546.52315419	3762.5584514243624	3633.59016208061	3550.446110303063	3548.76802624765	103.0630517762079	107.7071821820463
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89	19	14219	-31286.1413	919117.3170250766	39.38407376475695	-01.9059405	249790.1905332842	4364540.153117191	3746.4904739706646	3630.0647937692142	3548.99938033258	3518.871779563642	131.6785537596816	111.87701429506186
90	19	14210	-31220.1413	919117.3170250766	39.3840948950574	-01.9036065	249951.3063443397	4364543.211	3741.9042654371234	3628.2652570987188	3545.993174066427	3525.62889333631	132.335040193071	102.69636260508784
91	19	14211	-31154.1413	919117.3170250766	39.3841192452395	-01.9013284	250174.8617147056	4364540.98940256	3738.638159107764	3627.9236789767	3544.831881269466	3587.81790534173	130.91923032142	98.00881797
92	19	14212	-31088.1413	919117.3170250766	39.3841375925587	-01.8989855	250365.5192842597	4364536.004567226	3734.953793752219	3624.666957744277	3549.744352717673	3530.396582463756	128.92254105105146	94.730386667914
93	19	14213	-31022.1413	919117.3170250766	39.38415788867734	-01.8966044	250554.625383623	4364521.901483603	3735.961808	3622.810370178885	3546.206784663098	3528.951387711413	126.6035851498484	94.2189844077713

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
175	14225	-25601.1413		191117.1317205076	36.39674502268296	-101.7052112	267044.50467893563	434186.137721305	3638.4802563133835	3457.725324226757	3370.167643	3369.4924070116595	85.57578101268723	88.233721509759
176	14256	-25444.1413		191117.1317205076	36.396762526163395	-101.7028717	267245.500926027	434218.051466642	3638.291800574848	3456.33017287179847	3372.964818190307	3370.9680447798164	83.3666053707768	85.361723918633
177	14257	-25429.1413		191117.1317205076	36.39677986497256	-101.700849	267446.6770749375	434315.453275721	3640.10544981323	3454.945490540369	3372.7228071671	3373.269584	87.7231346885974	81.67347172
178	14258	-25421.1413		191117.1317205076	36.3967733869582	-101.6982709	267647.76282926565	434370.935037	3641.15190345165	3453.7059026745704	3378.0246611391787	3375.957640917974	75.54563153049175	77.6120517559693
179	14259	-25346.1413		191117.1317205076	36.39681468	-101.6958748	267848.848552306	434361.697387087	3642.264511380958	3452.2048419532382	3373.7362805055072	3376.183502447745	74.486861467775	76.0213110791327
180	14260	-25280.1413		191117.1317205076	36.396831978088436	-101.6935406	268049.9336471742	434361.784023675	3641.1543311119664	3450.8463277650997	3374.93522244922	3373.75690444356	75.9106502277485	76.9708232074344
181	14261	-25214.1413		191117.1317205076	36.39684921934969	-101.6912065	268251.0191131078	434361.621371818	3640.04310589755	3449.491906375897	3372.9927712626574	3372.169850460777	77.1991351132366	77.322321366009
182	14262	-25148.1413		191117.1317205076	36.39686422772877	-101.6888724	268452.10400304615	434357.532815205	3638.820959557485	3448.14146389317	3367.80385388888	3368.0034176046943	80.3761003	80.1382428848266
183	14263	-25081.1413		191117.1317205076	36.39687985102184	-101.6865385	268653.1897588956	434355.453275721	3638.291800574848	3446.96121268323	3367.27086726981	3367.9393971701895	85.55594564	81.5638151862341
184	14264	-25016.1413		191117.1317205076	36.3969005422875	-101.6842042	268854.27232304174	434349.368631459	3638.3845915208011	3445.4539193208011	3355.69544069152	3355.69544069152	84.7483019596	85.792530778682
185	14265	-24950.1413		191117.1317205076	36.39691776234952	-101.68187	269055.3574915846	434348.28189718	3638.300524739717	3444.1216285714463	3350.9746881903484	3350.98430232359	83.1464803819792	93.12137774908747
186	14266	-24884.1413		191117.1317205076	36.39693478354808	-101.679539	269256.445159173	434341.119950485	3638.3691186977	3442.7942216581387	3346.858184136706	3346.9783130167243	95.93630724446803	95.8159086414135
187	14267	-24818.1413		191117.1317205076	36.39695176	-101.6772018	269457.52523152476	434341.71195376	3637.9622671425075	3441.473957406215	3343.8706793453496	3343.746278080645	96.938984608652	98.093936
188	14268	-24752.1413		191117.1317205076	36.3969686194445	-101.6748677	269658.6088816797	434337.032079522	3637.0942071067121	3440.161945210475	3340.40326628649	3340.3273098182107	97.952672306009	99.9914394292738
189	14269	-24686.1413		191117.1317205076	36.39698593917021	-101.6725335	269859.6922732505	434328.484477175	3636.899186977165	3439.859186977165	3337.031477752195	3337.031477752195	101.82804995569197	101.7846935828123
190	14270	-24620.1413		191117.1317205076	36.3969024065584	-101.6701984	270060.7753382752	434314.248501815	3635.346875892041	3437.567814576465	3333.602861387296	3333.7220535382	103.964957369179	103.8457192232006
191	14271	-24554.1413		191117.1317205076	36.39691924262695	-101.6678653	270261.858261482	434310.781791718	3634.63729751853076	3436.28732290647	3329.703904818746	3329.703904818746	106.5838274042794	106.38224744335064
192	14272	-24488.1413		191117.1317205076	36.3969359779396	-101.6655311	270462.14088734506	434316.69873672	3633.063770582176	3435.0197670192533	3326.491076908726	3326.5129021096	108.5209919111809	108.5068490964745
193	14273	-24422.1413		191117.1317205076	36.396952644209614	-101.663197	270664.0323207235	434316.1254955255	3628.504966523211	3433.763058168093	3322.2241751563573	3322.5883179391904	111.5397330045119	111.375887776188
194	14274	-24356.1413		191117.1317205076	36.39696934655339	-101.6608629	270865.1053530535	434310.833236108	3626.504562192211	3432.521043429174	3318.670531963736	3318.544904959516	113.9133020328034	113.9133020328034
195	14275	-24290.1413		191117.1317205076	36.3969863810684	-101.6585287	271066.1871212939	434310.445099136	3622.9707942746822	3431.294199329724	3316.917032552531	3316.7696913354224	114.5248185968768	114.5248185968768
196	14276	-24224.1413		191117.1317205076	36.396910253598148	-101.6561946	271267.2652694584	434310.036864903	3618.58966274058	3429.8027605748336	3317.170146176072	3317.046277085784	112.9126137861743	113.026328625523
197	14277	-24158.1413		191117.1317205076	36.39692822778324	-101.6538556	271462.3092381634	434302.429	3618.58966274058	3428.94381208633	3317.26948237556	3317.26948237556	123.089498440297	123.089498440297
198	14278	-24092.1413		191117.1317205076	36.3961355405334	-101.6515263	271669.432105574	434209.204278212	3612.872997620084	3427.699878053205	3317.016104552627	3315.97084453075	110.68376285275781	110.7290232324707
199	14279	-24026.1413		191117.1317205076	36.396151981974334	-101.6491922	271870.518791368	434308.12365541	3611.582675182638	3426.5271062903184	3315.7142568438144	3315.782411403194	110.811284546004	110.811284546004
200	14280	-23960.1413		191117.1317205076	36.3961683739871	-101.6468581	272071.59404127306	434304.041860878	3612.47438	3425.3651902437277	3313.5998401733054	3313.71032051256	111.7635507702194	111.6548999201614
201	14281	-23894.1413		191117.1317205076	36.39618472053639	-101.6445239	272272.674671465	434304.796568214	3610.793699246037	3424.2109901138797	3310.159398411969	3310.179738988267	114.1051001704104	114.1051001704104
202	14282	-23828.1413		191117.1317205076	36.39621002195484	-101.6421898	272473.7517734594	434304.758661165	3614.251722290064	3423.062395449123	3304.158060800244	3303.680607214745	118.90432744627378	119.383228347784
203	14283	-23762.1413		191117.1317205076	36.3962172787598	-101.639856	272682.7435673818	434301.7198858428	3614.616402580634	3421.9131408	3302.94838383454	3302.94838383454	121.8349170891154	121.8349170891154
204	14284	-23696.1413		191117.1317205076	36.39623490271167	-101.6375219	272875.9153110071	434300.789637086	3614.251722290064	3420.7514402593	3302.938487565396	3302.927178797413	125.72538948984	130.373235057199
205	14285	-23630.1413		191117.1317205076	36.39624956627775	-101.6351873	273076.9590489226	434303.637801796	3614.267775250486	3419.8349869721153	3302.1505311645874	3302.98348227476496	127.4845580752787	130.6921892256758
206	14286	-23564.1413		191117.1317205076	36.3962657793156	-101.6328532	273278.0746	434309.557796314	3614.093451677221	3418.94048733912	3302.259422717248	3289.045379661313	129.448758626417	129.448758626417
207	14287	-23498.1413		191117.1317205076	36.39628185	-101.630519	273479.1538439743	434305.477995134	3611.770023501394	3417.2062308292208	3294.273738253256	3294.2062308292208	132.078657559516	132.078657559516
208	14288	-23432.1413		191117.1317205076	36.3962798527856	-101.6281489	273680.2320631734	434305.39705133	3607.294740020287	3416.295624745486	3295.3296833782633	3298.168240429277	120.87997092653	127.0414148257157
209	14289	-23366.1413		191117.1317205076	36.396313871322675	-101.6258507	273881.3117454781	434304.407	3602.842956579466	3415.963418964945	3296.112267884647	3298.93267	118.9517401242977	127.921798554497
210	14290	-23300.1413		191117.1317205076	36.39632981277834	-101.6235162	274082.3902381634	434304.239	3602.842956579466	3415.963418964945	3296.112267884647	3298.93267	121.0389427556	121.0389427556
211	14291	-23234.1413		191117.1317205076	36.39634570814695	-101.6211824	274283.4685705787	434309.158761906	3598.6771589265	3412.7682140430122	3302.14254540043	3301.8607012962723	115.798858257123	120.897517282898
212	14292	-23168.1413		191117.1317205076	36.3963515892917	-101.618843	274484.5405295283	434305.80785352	3599.379430627487	3411.5984868424	3296.588691703483	3293.8873070408205	115.0096794792555	117.11182414538
213	14293	-23102.1413		191117.1317205076	36.39637376462426	-101.6165141	274685.6248741977	434301.02021105	3594.91917028029	3410.438878680614	3296.009784	3295.289848	114.0421380055162	115.1443964172512
214	14294	-23036.1413		191117.1317205076	36.396393125232294	-101.61418	274886.7026075554	434306.29343196	3594.4403974572315	3409.260937410526	3296.63047920522	3296.131543044004	112.63045815000396	112.2399347006163
215	14295	-22970.1413		191117.1317205076	36.39640884073322	-101.6118458	275087.7801051452	434305.840599159	3593.100664217809	3408.07830892591	3298.810423200114	3300.0447764789333	109.2679076925676	108.306367136558
216	14296	-22904.1413		191117.1317205076	36.39642451117601	-101.6095117	275285.8573879104	434318.769802163	3590.899972806764	3406.886603949216	3301.330814256256	3302.41312486175	105.555788	104.473390686467
217	14297	-22838.1413		191117.1317205076	36.39644013653381	-101.60718	275486.9376939864	434318.769802163	3588.461692783127	3405.73484822748	3300.44354822748	3300.44354822748	112.0389427556	121.0389427556
218	14298	-22772.1413		191117.1317205076	36.39645571673031	-101.604834	275691.0112886735	434310.610	3586.98525568066	3404.475448299165	3301.330814256256	3301.330814256256	105.555788	104.473390686467
219	14299	-22706.1413		191117.1317205076	36.39647125196522	-101.602592	275892.8079073269	434306.538671345	3584.940759475843	3403.259926505753	3307.17523212162	3306.81566552605	96.80088939291343	96.4403733857027
220	14300	-22640.1413		19111										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SurfKth.f	SurfBoth.f
301	142381	-172941.1413	191117.13170250766	39.39759170160358	-101.4111051	2923.79387923819	43633672.861241116	341.033895058526	3282.928121663893	3182.389358114607	3182.684044	3185.575585252854	100.24407717235922	100.24407717235922
302	142382	-172281.1413	191117.13170250766	39.39760344444703	-101.408708	292580.696053048	43633680.54002282	342.4329647275943	3281.933728995014	3180.536439939386	3180.859471008524	3187.297890566244	100.1746819	100.1746819
303	142383	-171621.1413	191117.13170250766	39.39761534218846	-101.406456	292781.75866292319	43633684.738945279	342.4276772579673	3280.93852758673	3178.929105819464	3178.929105819464	3182.33814887266647	102.0004683565196	102.0004683565196
304	142384	-170961.1413	191117.13170250766	39.397626944846735	-101.4041024	292982.81425687991	43633690.67949791	343.0345540697076	3279.91309065053	3176.650061493296	3177.1760233960617	3182.9050471573333	102.7602367480114	102.7602367480114
305	142385	-170301.1413	191117.13170250766	39.39763860241558	-101.4017681	293183.8726273801	43633696.615259292	343.641230881426	3278.94074209173	3174.90827603375	3175.4545665079316	3182.63046633467	103.4861707178633	103.4861707178633
306	142386	-169641.1413	191117.13170250766	39.397650124894524	-101.3994339	293384.30476343067	43633698.592563656	343.75937235133043	3277.9357235133043	3173.2964893719386	3173.2964893719386	3182.630461313657	104.6724626059308	104.6724626059308
307	142387	-168981.1413	191117.13170250766	39.397661782284764	-101.3970997	293585.9887588351	43633698.44972989	343.8759778940323	3276.925155832534	3171.643090324354	3171.566738415106	3182.611529291041	105.385771681473	105.385771681473
308	142388	-168321.1413	191117.13170250766	39.39767345305507	-101.3947564	293767.70465	43633694.439898311	343.636846243099	3275.914554968643	3170.345937750843	3169.881377984466	3182.5645172717994	106.02907968418039	106.02907968418039
309	142389	-167661.1413	191117.13170250766	39.39768471795816	-101.3924215	293968.1047786953	43633694.386496114	343.6893916250277	3274.891405444243	3168.22868917143	3168.019588892686	3182.5645172717994	106.85711565383473	106.85711565383473
310	142390	-167001.1413	191117.13170250766	39.39769621311899	-101.3900969	294189.16143523343	43633632.3110492	343.75097598653	3273.887158714414	3167.5023527172	3167.5023527172	3182.5645172717994	107.762580213246	107.762580213246
311	142391	-166341.1413	191117.13170250766	39.3977076094858	-101.3877627	294390.2185893114	43633632.26226139	343.9066915925059	3272.840406	3165.8778786204186	3164.6656903841908	3182.5645172717994	108.1747151614904	108.1747151614904
312	142392	-165681.1413	191117.13170250766	39.3977184289057	-101.3854285	294591.2755413726	43633628.20343445	343.9413701196986	3271.8077470680237	3164.1652797006527	3163.0663257480057	3182.5645172717994	108.7412219502749	108.7412219502749
313	142393	-165021.1413	191117.13170250766	39.397730239742884	-101.3830942	294792.3291262055	43633624.14466209	343.97271654312806	3270.7680928979726	3162.778424204062	3161.1626824786845	3182.5645172717994	109.6712681292749	109.6712681292749
314	142394	-164361.1413	191117.13170250766	39.397741491505585	-101.38076	294993.388402616	43633620.06840236	343.9991308506057	3269.7262543782817	3161.3517764384383	3159.452134279947	3182.5645172717994	110.7276439830286	110.7276439830286
315	142395	-163701.1413	191117.13170250766	39.39775268917857	-101.3784258	295194.4581749575	43633616.02840236	343.9943404066064	3268.674887981399	3159.82229003066	3157.948820443302	3182.5645172717994	110.7276439830286	110.7276439830286
316	142396	-163041.1413	191117.13170250766	39.39776385976189	-101.3760915	295395.5013335257	43633611.470270025	343.9943404066064	3267.614717802232	3158.4278658077024	3156.390189251267	3182.5645172717994	111.7290855096471	111.7290855096471
317	142397	-162381.1413	191117.13170250766	39.39777476555455	-101.3737373	295596.552776939	43633607.81265248	343.9943404066064	3266.5508376855406	3157.1488145041966	3157.1488145041966	3182.5645172717994	112.73476901038657	112.73476901038657
318	142398	-161721.1413	191117.13170250766	39.39778604765929	-101.371423	295797.6130228596	43633603.50570882	343.9943404066064	3265.473595870574	3155.915503213024	3155.915503213024	3182.5645172717994	113.7405470066189	113.7405470066189
319	142399	-161061.1413	191117.13170250766	39.3977970738733	-101.3690888	295998.6665564536	43633599.70770573	343.9943404066064	3264.3852806597656	3154.812323729635	3150.77313068192	3182.5645172717994	114.7412219502749	114.7412219502749
320	142400	-160401.1413	191117.13170250766	39.3978080519763	-101.3667455	296199.723098564	43633595.3403182	343.9943404066064	3263.2840312659964	3153.828494164852	3147.9653677356027	3182.5645172717994	115.7412219502749	115.7412219502749
321	142401	-159741.1413	191117.13170250766	39.39781899332116	-101.3644023	296400.7790529984	43633591.63679614	343.9943404066064	3262.1969063810323	3152.572418845165	3146.116904251776	3182.5645172717994	116.7412219502749	116.7412219502749
322	142402	-159081.1413	191117.13170250766	39.39782986237612	-101.362068	296601.8339617655	43633587.62679436	343.9943404066064	3261.042131127284	3151.23124089126	3144.293383105525	3182.5645172717994	117.7412219502749	117.7412219502749
323	142403	-158421.1413	191117.13170250766	39.39784073177228	-101.3597285	296802.913196864	43633583.68395174	343.9943404066064	3259.86222891333	3149.88122891333	3142.424225819432	3182.5645172717994	118.7412219502749	118.7412219502749
324	142404	-157761.1413	191117.13170250766	39.39785152919452	-101.3574715	297003.943283452	43633575.13968584	343.9943404066064	3258.749691189661	3147.830291118117	3147.830291118117	3182.5645172717994	119.7412219502749	119.7412219502749
325	142405	-157101.1413	191117.13170250766	39.39786282497149	-101.3550833	297204.997279808	43633567.45570352	343.9943404066064	3257.6821901154827	3146.3623736188415	3146.3623736188415	3182.5645172717994	120.7412219502749	120.7412219502749
326	142406	-156441.1413	191117.13170250766	39.397873	-101.3527491	297406.0518	43633571.40173658	343.9943404066064	3256.6342969114007	3145.394544221194	3145.394544221194	3182.5645172717994	121.7412219502749	121.7412219502749
327	142407	-155781.1413	191117.13170250766	39.397884361251775	-101.3504148	297607.1057197966	43633567.34583224	343.9943404066064	3255.594247496773	3144.508759389472	3142.942849651265	3182.5645172717994	122.7412219502749	122.7412219502749
328	142408	-155121.1413	191117.13170250766	39.397894281757026	-101.348068	297808.15946750506	43633563.29042319	343.9943404066064	3254.538744613256	3143.5965474491303	3141.59729294267	3182.5645172717994	123.7412219502749	123.7412219502749
329	142409	-154461.1413	191117.13170250766	39.397904857717228	-101.3457463	298009.213196864	43633559.63679614	343.9943404066064	3253.4861839512044	3142.59222891333	3140.5812689718	3182.5645172717994	124.7412219502749	124.7412219502749
330	142410	-153801.1413	191117.13170250766	39.39791538740517	-101.3434012	298210.68275475	43633555.71901775	343.9943404066064	3252.435174955434	3141.748517	3140.5812689718	3182.5645172717994	125.7412219502749	125.7412219502749
331	142411	-153141.1413	191117.13170250766	39.39792587273801	-101.3410778	298411.319620345	43633551.124954017	343.9943404066064	3251.387169334905	3140.7302702210758	3141.748517	3182.5645172717994	126.7412219502749	126.7412219502749
332	142412	-152481.1413	191117.13170250766	39.3979363128322	-101.3387435	298612.3725750696	43633547.07	343.9943404066064	3250.349048324223	3140.024269544256	3141.748517	3182.5645172717994	127.7412219502749	127.7412219502749
333	142413	-151821.1413	191117.13170250766	39.397946707938374	-101.3364093	298813.425322028	43633543.01569008	343.9943404066064	3249.3162893149655	3140.7725231067875	3140.7725231067875	3182.5645172717994	128.7412219502749	128.7412219502749
334	142414	-151161.1413	191117.13170250766	39.39795705790347	-101.334075	299014.4779193365	43633539.46129845	343.9943404066064	3248.2861398252115	3140.2914554470806	3140.2914554470806	3182.5645172717994	129.7412219502749	129.7412219502749
335	142415	-150501.1413	191117.13170250766	39.3979673275804	-101.3317408	299215.53052547484	43633535.307149456	343.9943404066064	3247.2580733159207	3139.458616435363	3139.458616435363	3182.5645172717994	130.7412219502749	130.7412219502749
336	142416	-149841.1413	191117.13170250766	39.397977525332	-101.3294063	299416.582194246	43633531.305201745	343.9943404066064	3246.2293737912684	3138.6159101663837	3138.6159101663837	3182.5645172717994	131.7412219502749	131.7412219502749
337	142417	-149181.1413	191117.13170250766	39.39798783725406	-101.3270723	299617.6348739077	43633527.79455388	343.9943404066064	3245.212083282574	3137.8786407468574	3137.8786407468574	3182.5645172717994	132.7412219502749	132.7412219502749
338	142418	-148521.1413	191117.13170250766	39.3979980866268	-101.324738	299818.6861594819	43633523.49510405	343.9943404066064	3244.187205394191	3137.684186247614	3137.684186247614	3182.5645172717994	133.7412219502749	133.7412219502749
339	142419	-147861.1413	191117.13170250766	39.39800913	-101.3224038	300019.173747001	43633519.683	343.9943404066064	3243.1592550713118	3136.929980646596	3136.929980646596	3182.5645172717994	134.7412219502749	134.7412219502749
340	142420	-147201.1413	191117.13170250766	39.39801821080134	-101.3200695	300220.78911365103	43633515.6342457	343.9943404066064	3242.138857116826	3136.58371783733	3136.58371783733	3182.5645172717994	135.7412219502749	135.7412219502749
341	142421	-146541.1413	191117.13170250766	39.39802842513536	-101.3177352	300421.8402965106	43633511.58648438	343.9943404066064	3241.1786291898573	3136.23177698905	3136.23177698905	3182.5645172717994	136.7412219502749	136.7412219502749
342	142422	-145881.1413	191117.13170											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtLog.ft	SatHtBoth.ft
427	19	142507	-89781.14133	191117.3170250766	39.38872251349757	-101.1169869	317711.5312961248	4383162.78587189	3505.607709572573	3063.666974591604	3004.0328582045845	3005.157748571276	58.5092260230462
428	19	142508	-89721.14133	191117.3170250766	39.38672862491956	-101.1148624	317912.5662078123	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
429	19	142509	-89641.14133	191117.3170250766	39.3867249134986	-101.123183	318135.609415102	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
430	19	142510	-89701.14133	191117.3170250766	39.38674014288845	-101.109856	318135.609415102	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
431	19	142511	-8741.14133	191117.3170250766	39.3867466886361	-101.107497	318515.6696757532	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
432	19	142512	-86481.14133	191117.3170250766	39.38675219691784	-101.1053154	318716.740077112	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
433	19	142513	-85821.14133	191117.3170250766	39.3867580555583	-101.1029811	318917.73801409874	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
434	19	142514	-85161.14133	191117.3170250766	39.38676346528274	-101.100648	319118.7179473224	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
435	19	142515	-84501.14133	191117.3170250766	39.38677014230907	-101.0983124	319119.8056538746	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
436	19	142516	-83841.14133	191117.3170250766	39.3867758299255	-101.0959781	319202.8391108937	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
437	19	142517	-83181.14133	191117.3170250766	39.38678159859576	-101.0936438	319217.87426033425	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
438	19	142518	-82521.14133	191117.3170250766	39.38677259101596	-101.091305	319222.9056908475	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
439	19	142519	-81861.14133	191117.3170250766	39.38679287451576	-101.0889752	320123.9385416794	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
440	19	142520	-81201.14133	191117.3170250766	39.3867984483825	-101.0866409	320324.917132351925	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
441	19	142521	-80541.14133	191117.3170250766	39.386803970069048	-101.0843696	320526.0309373442	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
442	19	142522	-79881.14133	191117.3170250766	39.3868054208105	-101.0819723	320772.036758467	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
443	19	142523	-79212.14133	191117.3170250766	39.38681488552547	-101.079638	320928.068639235	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
444	19	142524	-78561.14133	191117.3170250766	39.3868202751109	-101.0773037	321129.100777087	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
445	19	142525	-77901.14133	191117.3170250766	39.38682500274994	-101.0749564	321330.132641478	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
446	19	142526	-77241.14133	191117.3170250766	39.38683091984712	-101.0726351	321531.1643807481	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
447	19	142527	-76581.14133	191117.3170250766	39.38683174527571	-101.0703007	321732.1996457299	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
448	19	142528	-75921.14133	191117.3170250766	39.386834811612	-101.0679664	321933.2273360764	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
449	19	142529	-75261.14133	191117.3170250766	39.38683794597179	-101.0656321	322134.2487445451	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
450	19	142530	-74601.14133	191117.3170250766	39.3868316801801	-101.063278	322335.2895962887	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
451	19	142531	-73941.14133	191117.3170250766	39.38683564233124	-101.060935	322536.322563205	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
452	19	142532	-73281.14133	191117.3170250766	39.38683717552674	-101.0586292	322737.3516335447	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
453	19	142533	-72621.14133	191117.3170250766	39.38683676	-101.0562949	322938.3816886626	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
454	19	142534	-71961.14133	191117.3170250766	39.38687168472009	-101.0539696	323139.4120375252	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
455	19	142535	-71301.14133	191117.3170250766	39.38687658966006	-101.0516912	323340.4422525915	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
456	19	142536	-70641.14133	191117.3170250766	39.38688147372015	-101.0493919	323541.47222139583	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
457	19	142537	-69981.14133	191117.3170250766	39.38688624	-101.0469576	323742.502054398	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
458	19	142538	-69321.14133	191117.3170250766	39.38689099955281	-101.0446233	323943.531756754	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
459	19	142539	-68661.14133	191117.3170250766	39.38689571353365	-101.042289	324144.5510050376	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
460	19	142540	-68001.14133	191117.3170250766	39.38690032020224	-101.0399547	324345.5906227838	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
461	19	142541	-67341.14133	191117.3170250766	39.3869050541497	-101.0376024	324546.6197692716	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
462	19	142542	-66681.14133	191117.3170250766	39.38690968278758	-101.035286	324747.5487445451	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
463	19	142543	-66021.14133	191117.3170250766	39.38691411652869	-101.0329517	324948.6754862533	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
464	19	142544	-65361.14133	191117.3170250766	39.38691880504768	-101.0306174	325149.76019199185	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
465	19	142545	-64701.14133	191117.3170250766	39.38692304807475	-101.0282831	325350.7346447599	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
466	19	142546	-64041.14133	191117.3170250766	39.38692744600988	-101.0259488	325551.7629371305	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
467	19	142547	-63381.14133	191117.3170250766	39.38693179885305	-101.0236145	325752.79105931346	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
468	19	142548	-62721.14133	191117.3170250766	39.38693610665428	-101.0212901	325953.8191151175	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
469	19	142549	-62061.14133	191117.3170250766	39.38694058287858	-101.0190255	326154.8492310106	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
470	19	142550	-61401.14133	191117.3170250766	39.38694456963085	-101.0166115	326355.874	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
471	19	142551	-60741.14133	191117.3170250766	39.38694875930617	-101.0142772	326556.9801850255	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
472	19	142552	-60081.14133	191117.3170250766	39.3869528686953	-101.0119429	326757.9291245679	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
473	19	142553	-59421.14133	191117.3170250766	39.3869566888089	-101.0096086	326958.956229524	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
474	19	142554	-58761.14133	191117.3170250766	39.3869610618026	-101.0072472	327159.98316652916	4353158.750416125	3020.175453552313	3061.551340707606	3002.89969	3003.5359787919056	58.0153611969603
475	19	142555	-58101.14133	191117.3170250766	39.3869658628758	-101.0049521	327361.006342686	4353158.750416					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogsKrg.f	BR ElevBothKrg.f	SatElevLogs.f	SatElevBoth.f
679	182	74259	76538.85867307335	919117.3170250766	-03.38883659062941	-00.5287376	368367.2414608123	4326152.174132554	2839.1263665994634	2589.7559192181168	2588.75003434999997	2609.8257159352583	51.058788111846845	29.92839323909838
680	180	74260	77198.85867307335	919117.3170250766	-03.3888312578781	-00.5264033	368698.23805970486	4326148.188968921	2836.406748056473	2638.4067	2587.415259585641	2605.397478247479	50.915096879916	33.00802622685101
681	180	74261	77858.85867307335	919117.3170250766	-03.3888290854454	-00.5240469	368769.23443231755	4326144.204043979	2838.7006151719117	2637.03381827	2586.0718827	2606.0718827	50.98002386269808	40.78466767089034
682	180	74262	78518.85867307335	919117.3170250766	-03.38882601897935	-00.5217347	368970.2037288564	4326140.219230757	2826.4876590580167	2635.69603504328	2584.7981925915245	2593.7779543758154	50.89783758095514	41.91807579140614
683	180	74263	79178.85867307335	919117.3170250766	-03.38881325	-00.5194004	369171.2268995515	4326136.24668084	2822.561386	2634.334718534073	2583.524544737687	2594.6349544723166	50.81074410752035	39.699764281090665
684	184	74264	79838.85867307335	919117.3170250766	-03.3888097753934	-00.5170661	369372.92225445303	4326132.255208996	2819.42177891720	2632.9704346295053	2582.2645580214385	2592.7254850214385	50.70578658	40.24469101590512
685	180	74265	80498.85867307335	919117.3170250766	-03.38880432	-00.5147317	369573.2188604571	4326128.26617251	2815.6252195661257	2631.60440260519	2580.9082604482437	2593.7001885498027	50.60667198212275204	37.90425171063134
686	186	74266	81158.85867307335	919117.3170250766	-03.3879880011612	-00.5123274	369774.2146583669	4326124.2812154665	2811.245403403284	2629.3340607239233	2579.329702730459	2594.664323739522	50.5096298604647	35.57402713746113
687	180	74267	81818.85867307335	919117.3170250766	-03.3878932272792	-00.5100631	369975.210270886	4326120.2683881126	2810.372130231566	2627.568172749352	2577.658172749352	2591.706977269504	50.41748913245867	34.57402713746113
688	180	74268	82478.85867307335	919117.3170250766	-03.3878752020254	-00.5077278	370176.20587200776	4326116.31480398	2810.47029139984	2626.513649646396	2577.807680752636	2600.827441	50.41748913245867	34.57402713746113
689	176	74269	83138.85867307335	919117.3170250766	-03.3878162565474	-00.5053945	370377.2019176805	4326112.31426264	2812.569728	2626.157521936055	2574.1358858387975	2603.891760505247	50.2016352775415	22.26572688080238
690	170	74270	83798.85867307335	919117.3170250766	-03.3877625987674	-00.5030602	370578.1965870702	4326108.348246917	2812.66526958167	2624.8074835110524	2572.104589176118	2602.720445725863	50.2016352775415	22.26572688080238
691	193	74271	84458.85867307335	919117.3170250766	-03.3877051293654	-00.5007259	370779.1917581889	4326104.365	2815.6691731394264	2623.456701766708	2569.975207845837	2602.9604161311354	50.4881493200714	22.52593878189188
692	180	74272	85118.85867307335	919117.3170250766	-03.3876471918432	-00.4983916	370980.186	4326100.38248352	2815.871745003188	2622.1335967112777	2568.3466175228787	2594.188131344687	50.78697918930902	27.54540577318954
693	193	74273	85778.85867307335	919117.3170250766	-03.3875888120068	-00.4960573	3711181.1872851676	4326096.39999118	2817.137400131381	2620.811027295488	2566.0523650013893	2591.4522268984433	50.75666203	29.58801166050248
694	180	74274	86438.85867307335	919117.3170250766	-03.387529812538	-00.493723	371281.176281586	4326092.417513232	2819.48961461135016	2618.2902972777863	2564.2902972777863	2601.1802913571259	50.78697918930902	27.54540577318954
695	180	74275	87098.85867307335	919117.3170250766	-03.387469965848	-00.4913887	371583.171204391	4326088.45326968	2820.474039082175	2618.196323943067	2568.4774497683275	2613.7196571813321	49.71888317	44.7667510545462
696	176	74276	87758.85867307335	919117.3170250766	-03.3874106069955	-00.4890544	371784.16574217	4326084.45336449	2825.685427206724	2616.90378651719	2568.5181633748876	2615.280530893275	48.3226319630536	16.23287265565495
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702	180	74282	91718.85867307335	919117.3170250766	-03.3870431022604	-00.4750085	372990.130498711	4326060.56	2818.28309505241	2609.30259559694	2562.391718008556	2590.4985911164385	54.343871517452044	15.96871212068815
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715	176	74295	100298.85867307335	919117.3170250766	-03.3861903740025	-00.4447027	375603.0391251376	4326008.9382312914	2768.003303889033	2594.3686116515	2537.73751942897	2564.263316254878	56.26391104176916	26.04780440784543
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718	193	74298	102278.85867307335	919117.3170250766	-03.3859827685902	-00.4376998	376206.0125666335	4325996.89732051	2762.91760030311	2591.023788241234	2533.620257601563	2547.2504053515604	57.16233406874855	42.2439068583648
719	176	74299	102938.85867307335	919117.3170250766	-03.3859126649702	-00.4353655	376407.0074462314	4325992.92230071	2760.212690441551	2589.61976916779	2531.22054560463	2547.039749311041	57.16233406874855	42.2439068583648
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721	180	74301	104098.85867307335	919117.3170250766	-03.3857745846224	-00.430735	376809.0391251376	4325981.388312914	2753.73751942897	2587.38391374253	2529.6426138793	2547.039749311041	57.16233406874855	42.2439068583648
722	180	74302	104598.85867307335	919117.3170250766	-03.38570369948334	-00.4283626	3770							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogKgr.ft	BREVEbothKgr.ft	SatHtbothKgr.ft	SatHtbothKgr.ft
65	194	142885	-328701.1413	191977.7172052076	39.39639034495654	-101.9619851	24477.6977090398	4364838.166528309	3628.7641444628803	3662.833521920104	3550.1423131169354	3549.957509	112.6913907950709	112.67601260113388
66	194	142886	-328041.1413	191977.7172052076	39.39632777965221	-101.9596511	2451.28.790424251	4364834.05768331	3624.7475591899352	3651.665266104687	3549.008936930538	3551.645362201455	112.57436744153067	110.01933093323374
67	194	142887	-327281.1413	191977.7172052076	39.39545176754986	-101.957272	2463.29.829038965	4364835.949048524	3622.512267241685	3650.444819678743	3548.005710137243	3552.944138453584	112.4951644213117	107.545814812576988
68	194	142888	-327271.1413	191977.7172052076	39.3954271079486	-101.954983	2455.10.4142458992	4364836.060162067	3620.0591227775968	3659.205036319195	3545.950363319195	3552.15304727147	112.3355138744517	104.1382489115075
69	194	142889	-326601.1413	191977.7172052076	39.39544981	-101.952649	2457.32.1267965324	4364832.32377856	3617.6057616142284	3601.081596527367	3546.04792723905	3555.978681316246	112.03248660346184	102.1024938567126
70	194	142890	-325401.1413	191977.7172052076	39.3954702605705	-101.950315	2459.33.23841678284	4364817.623427674	3615.12361050499	3656.87033653673	3545.3912636112964	3553.68705286171	111.46375375407091	103.16994507949336
71	194	142891	-324741.1413	191977.7172052076	39.39548427088656	-101.9478909	2461.34.1947845536	4364813.16541319	3612.4891622232304	3656.616026232304	3545.2778825157134	3549.2718061937635	110.33813471659902	106.34220385407
72	194	142892	-324081.1413	191977.7172052076	39.395516430453	-101.9456469	2463.35.46090278652	4364809.408923375	3608.6161591606643	3654.37730053739	3545.4738414894127	3556.927315	110.36838856432632	97.38541483
73	194	142893	-323281.1413	191977.7172052076	39.39553585	-101.9433126	2465.32.719788653	4364805.91305868	3606.73158989896	3653.265113689896	3545.040683258163	3567.81897622884	107.0386165899147	134.167187948494
74	194	142894	-322761.1413	191977.7172052076	39.3955605251444	-101.9409788	2467.37.8204821402	4364801.19420914	3603.87017016995	3651.783061928432	3547.234178330292	3578.420157911019	104.548983625407	7.3629402
75	194	142895	-322101.1413	191977.7172052076	39.3955825318964	-101.9386488	2469.38.79284573545	4364797.08728895	3602.982694537754	3650.46363736849	3549.307382677754	3587.073232683394	101.1562710508516	63.3913339751487
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77	194	142897	-320781.1413	191977.7172052076	39.39562567383632	-101.9339767	2473.41.0128264794	4364787.93884239	3605.178845460402	3647.735261059845	3555.570295	3589.87362678881	92.1833072699443	57.87999427103485
78	194	142898	-320121.1413	191977.7172052076	39.39564846653467	-101.9316426	2475.42.122400791	4364784.7673782	3606.27692292132	3646.3044845597164	3559.7337572834163	3586.032198170706	96.62689117250516	60.3228296384485
79	194	142899	-319461.1413	191977.7172052076	39.395670314149628	-101.929398	2477.43.2103775542	4364783.194879796	3604.084362678598	3648.112579025793	3562.361571057877	360.1290537238844	62.58929131799956	92.5268326818496
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81	194	142901	-318141.1413	191977.7172052076	39.395713874129235	-101.9246405	2481.45.4878228497	4364782.44951221	3792.732653780968	3642.015954431534	3562.72784051746	3573.76308887435	92.7882017398073	68.2549054411857
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84	194	142904	-316161.1413	191977.7172052076	39.395778378977226	-101.9176383	2487.48.7448080294	4364760.133719813	3783.59130666429	3637.40925834894	3527.712454299152	3565.76131540174	99.696804537421	71.6476272941797
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93	194	142913	-310221.1413	191977.7172052076	39.3959717446980774	-101.8986317	2505.58.7367087453	4364723.185945681	3728.15897358993	3621.92865690707	3544.719415474181	3529.40268286504	129.6289268814896	92.5268326818496
94	194	142914	-309561.1413	191977.7172052076	39.395993716234007	-101.896223	2507.59.471822329	4364719.02830329	3727.05420118537	3620.0741081397	3520.0741081397	3516.0741081397	129.7014105190567	93.597421905067
95	194	142915	-308901.1413	191977.7172052076	39.39601374	-101.891936	2509.60.790405005	4364714.9896453	3728.3726603147	3618.165936604285	3549.855266892376	3524.01226085772	132.040991504733	94.153727985077
96	194	142916	-308241.1413	191977.7172052076	39.39603482580648	-101.8896295	2511.62.052905761	4364710.87128986	3734.12601609715	3616.247287582436	3546.199038005304	3521.899605045512	129.0482567283936	94.3476732
97	194	142917	-307581.1413	191977.7172052076	39.3960558191351	-101.8872954	2513.63.157851502	4364706.78496697	3739.8719518185335	3614.306445922545	3546.400370988147	3519.4540251708013	117.9060882273048	94.85240275174392
98	194	142918	-306921.1413	191977.7172052076	39.3960768523961	-101.8849614	2515.64.2620561337	4364706.82627642	3745.619294473024	3612.345321945302	3546.681493530222	3517.46777252273	115.966828187442	94.8775491882318
99	194	142919	-306261.1413	191977.7172052076	39.3960978	-101.8826273	2517.65.3691487818	4364698.500142315	3740.70100865442	3610.36822411442	3546.77336392185	3513.645717285958	113.5885861024225	95.048125268527
100	194	142920	-305601.1413	191977.7172052076	39.39611869297263	-101.880223	2519.66.471822329	4364694.47220112	3759.24370785703	3608.3707876783	3550.3478128975	3505.3478128975	129.6289268814896	92.5268326818496
101	194	142921	-304941.1413	191977.7172052076	39.39613955549971	-101.877591	2521.67.574961157	4364690.376501227	3759.8286411132367	3606.73078541976	3549.70738984298	3505.2573291958	105.45849238507	101.1047487491085
102	194	142922	-304281.1413	191977.7172052076	39.3961603618554	-101.8756251	2523.68.766863276	4364696.275	3764.39212136583	3604.304790589123	3546.4271778090996	3511.5012419270106	107.6136127791357	92.8395466
103	194	142923	-303621.1413	191977.7172052076	39.39618113178704	-101.873291	2525.69.7820656672	4364682.17363738	3764.71503301464	3602.308671678258	3549.708231958695	3513.3456022657997	106.90163427338872	88.9632641345642
104	194	142924	-302961.1413	191977.7172052076	39.3962018523041	-101.8709569	2527.70.88527954818	4364678.072564402	3760.904413108428	3600.266511495347	3549.631625533	3514.516795964236	105.6541780234478	85.7289151561093
105	194	142925	-302301.1413	191977.7172052076	39.39622252773678	-101.8686228	2529.78.828179748	4364673.916578173	3767.0873313190479	3598.2153368751452	3549.9219679	3516.633508909236	105.253712823529	80.858953569085
106	194	142926	-301641.1413	191977.7172052076	39.39624315806497	-101.866287	2531.73.09051205172	4364669.87065308	3762.757045321914	3596.155446572805	3549.681541187358	3505.512732325365	105.4790353891028	85.9481143192068
107	194	142927	-300981.1413	191977.7172052076	39.39626433527756	-101.861205	2533.78.295579784	4364661.70161315	3762.632134541764	3594.082478192596	3548.70738984298	3505.2573291958	105.45849238507	101.1047487491085
108	194	142928	-300321.1413	191977.7172052076	39.39628537762225	-101.8592864	2535.79.352034204	4364657.57008711	3763.80538768553	3589.9163391168145	3548.70738984298	3505.2573291958	105.45849238507	101.1047487491085
109	194	142929												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThLogs.f	SatThBoth.f
190	194	143011	-245541.1413	191977.7170250766	38.97873149955382	-101.6678869	72065.94880473113	346322.03485397	3633.423391942235	336.0501187094064	3327.0049499795277	3327.800453957347	108.7461687298787	128.2649667520699
192	194	143012	-244881.1413	191977.7170250766	38.97846728296834	-101.6655527	72046.3712539131	346320.970238406	3629.9193630140202	3374.760884065456	3323.7839432433134	3324.4364583198766	110.99214516322218	110.33962476865895
193	194	143013	-244221.1413	191977.7170250766	38.97865411056685	-101.6632185	72068.1318746263	346313.887194071	3628.453340749494	3333.5184373725	3328.7803718157255	3320.811413308893	112.7428552796934	112.640984336673
194	194	143014	-243561.1413	191977.7170250766	38.9788207352007	-101.6608843	70869.19547309846	346309.804535279	3622.9113051479917	3422.7278494777293	3317.688588023847	3317.950632383847	114.4324067524602	114.32217710038285
195	194	143015	-242901.1413	191977.7170250766	38.978886120824	-101.6585801	721070.2727434937	346305.72133732	3617.75826215163	3431.0476146624237	3315.912545215534	3316.074283	115.3306944688287	114.93733176727352
196	194	143016	-242241.1413	191977.7170250766	38.97915263807244	-101.6562159	721271.3587805834	346301.836276908	3616.888970190254	3429.838874667044	3315.052133831858	3314.5124061507304	114.7867046378222	114.4246663
197	194	143017	-241581.1413	191977.7170250766	38.979393713913095	-101.6538817	721472.4010068762	346297.550731414	3614.041806828668	3428.645372350053	3314.39858378900673	3314.4534398331243	114.2496158690777	114.09597041881183
198	194	143018	-240921.1413	191977.7170250766	38.97974827	-101.6515475	721673.5214006306	346293.4501791334	3611.1950363964	3427.46587108951	3313.448863918837	3313.434031315817	114.016723911368	114.0551573903639
199	194	143019	-240261.1413	191977.7170250766	38.97964711056685	-101.6492133	721874.6208671666	346292.388511247	3608.4657578735993	3426.2977170135054	3311.570136817926	3311.570136817926	114.7264842205018	114.7264842205018
200	194	143020	-239601.1413	191977.7170250766	38.979811033033	-101.6468791	722075.8627119464	346286.312	3606.512273648769	3425.9895168381503	3309.959168381503	3309.959168381503	116.1614904194259	116.1614904194259
201	194	143021	-238941.1413	191977.7170250766	38.9797694054903	-101.6445489	722276.7631035795	346281.23014208	3613.251595830213	3423.869891791975	3305.3683783024197	3304.9218213042674	116.628106765518	119.06861158940756
202	194	143022	-238281.1413	191977.7170250766	38.98013752534915	-101.6422107	722477.843424114	346277.714891214	3614.643604530052	3422.94766689874	3300.7621591454584	3302.407149038014	112.08263752348876	122.624766517272
203	194	143023	-237621.1413	191977.7170250766	38.98030005914784	-101.6398765	722678.9233950143	346273.008	3615.051925	3421.7032033863647	3295.957905432813	3294.07433658171	125.7452979535193	127.1426817819369
204	194	143024	-236961.1413	191977.7170250766	38.980462140673	-101.6374523	722880.031386878	346269.7077379	3614.475587853256	3420.563396	3292.650298190724	3289.781311552796	127.91329750192563	130.7818644892425
205	194	143025	-236301.1413	191977.7170250766	38.9806238821074	-101.6352081	723081.0626596763	346264.90646313	3613.90119953051	3419.424667	3291.4998872222716	3292.9246793178883	127.9246793178883	132.0315398898844031
206	194	143026	-235641.1413	191977.7170250766	38.980785092674	-101.6328739	723282.162	346260.82053005	3613.325823218644	3418.28525567073	3291.660340417057	3291.660340417057	126.6241523896729	132.128046302256
207	194	143027	-234981.1413	191977.7170250766	38.9809456655474	-101.6305397	723483.24010310874	346256.758485848	3615.182257487393	3417.144472304645	3292.14304534275	3291.657205260127	125.0014287703074	132.0727024802823
208	194	143028	-234321.1413	191977.7170250766	38.9811061809468	-101.6282055	723684.3198815213	346251.85640432	3606.571822514085	3416.002390527327	3292.9497847672305	3284.2901192983743	125.051026575980219	132.121212286584
209	194	143029	-233661.1413	191977.7170250766	38.9812660454655	-101.6258713	723885.3968507781	346248.58603574	3602.2599406829796	3414.8567250264778	3291.65595576658	3283.530668715465	121.1883240481978	131.3260531101296
210	194	143030	-233001.1413	191977.7170250766	38.9814254501391	-101.6235371	724086.474981306786	346244.2563452075	3601.7834875892074	3413.70518818719198	3294.245603753511	3283.2756918978725	119.46021506520856	130.925862084271
211	194	143031	-232341.1413	191977.7170250766	38.9815844218592	-101.6212029	724287.550594932	346240.427039374	3595.90532133901	3412.543937773344	3294.6713092992564	3294.6713092992564	128.7814978849896	128.24917818405348
212	194	143032	-231681.1413	191977.7170250766	38.9817425337696	-101.6188867	724488.6335359594	346236.74404507	3596.30294	3411.387778775894	3294.52551384087	3287.8324593693984	116.4652530918071	123.55528498164995
213	194	143033	-231021.1413	191977.7170250766	38.9819009472615	-101.6165186	724692.0019009037	346232.98851547	3595.8198298862223	3403.90011972814715	3293.6208298862223	3293.6208298862223	114.928434321479	124.028434321479
214	194	143034	-230361.1413	191977.7170250766	38.9820589046314	-101.6142003	724890.7883046048	346228.19006903	3596.982717955758	3409.042045402884	3296.20454022898	3292.85253	118.08375419103322	116.1627710221185
215	194	143035	-229701.1413	191977.7170250766	38.9822157406305	-101.611886	725091.8659971654	346224.2111	3595.511904567287	3407.85388778561	3298.150745832338	3293.62710672938	120.7319452271147	114.22627710317173
216	194	143036	-229041.1413	191977.7170250766	38.98237247240836	-101.6095318	725292.942667595	346220.33087774	3592.230646780715	3406.655228971376	3290.490679105594	3295.906649245691	120.7161106057825	110.7485795454677
217	194	143037	-228381.1413	191977.7170250766	38.9825287298988	-101.6071976	725494.019651721264	346215.954009413	3588.949303104214	3405.467541280915	3293.9278417623818	3292.878331558145	102.50891727626351	106.572925699366
218	194	143038	-227721.1413	191977.7170250766	38.9826845344775	-101.6048634	725695.96914517471	346211.877	3585.667959427864	3404.2284023923867	3300.2186942727167	3300.959800215838	99.0265326611153	103.2684237209291
219	194	143039	-227061.1413	191977.7170250766	38.98283898214185	-101.6025292	725898.1725519615	346207.722	3584.1983858	3403.001198214720	3299.430838	3299.430838	99.9102043653552	99.9102043653552
220	194	143040	-226401.1413	191977.7170250766	38.98299479897678	-101.600195	726100.24073786117	346203.772	3581.5447544547564	3401.7184337394	3298.420580007445	3297.457389271456	93.30073031519	96.30445911
221	194	143041	-225741.1413	191977.7170250766	38.9831450260777	-101.5978607	726298.32470305276	346199.641190881	3579.889274030075	3400.513516739383	3298.067888878396	3296.7220212326	91.4612478614327	93.9388913589204
222	194	143042	-225081.1413	191977.7170250766	38.9833032539185	-101.5955265	726499.40044774127	346195.567207489	3578.243066172079	3399.255028742785	3300.04813181542	3306.9916716605508	90.2066899	92.2633561
223	194	143043	-224421.1413	191977.7170250766	38.9834586060744	-101.5931923	726700.4759213124	346194.05093527	3575.8890515680305	3397.985341651937	3306.4358146918316	3306.7470044792635	90.04522696010514	91.23833717267325
224	194	143044	-223761.1413	191977.7170250766	38.98360390973452	-101.5905881	726901.5512764304	346191.471239391	3572.854222906281	3396.7023213663924	3307.6741233049624	3306.2980569369912	90.0282086	90.40475225848042
225	194	143045	-223101.1413	191977.7170250766	38.9837625977302	-101.5883298	727102.6265064284	346183.337	3568.81493444947	3395.4064030516147	3306.501169995486	3305.487778254917	89.9832033561289	89.9832033561289
226	194	143046	-222441.1413	191977.7170250766	38.98392198712295	-101.5858466	727301.761265735	346179.260369359	3567.8194254687223	3394.3011992814715	3305.748454037217	3305.748454037217	89.947889	89.947889
227	194	143047	-221781.1413	191977.7170250766	38.9840650568426	-101.5835554	727504.778083133	346175.184	3563.130254677952	3393.78962832824	3303.150732734325	3303.150732734325	89.886909756888	89.886909756888
228	194	143048	-221121.1413	191977.7170250766	38.98421790356955	-101.5815212	727705.850296172	346171.108254377	3558.85640390248	3391.469205851672	3301.0189715073443	3301.460591	89.82504344327	90.0096152652819
229	194	143049	-220461.1413	191977.7170250766	38.9843863604595	-101.579187	727906.92450373946	346164.32051008	3554.852723350254	3389.61589800262	3298.612758335816	3298.0688989004296	91.52738674445272	91.05396607596595
230	194	143050	-219801.1413	191977.7170250766	38.9845190463623	-101.5768527	728107.9984918015	346162.95649567	3550.3061407647954	3388.803239030416	3296.6849719840416	3296.6849719840416	92.15441729521467	92.15441729521467
231	194	143051	-219141.1413	191977.7170250766	38.984688914279	-101.5745185	728309.070226111	346158.818600678	3548.751253782434	3387.45735663313	3298.272923547391	3294.81780587699	91.84651301992197	93.272759592197
232	194	143052	-218481.1413	191977.7170250766	38.9848184850566	-101.5721843	728510.14581217256	346154.80645403	3546.79353502083	3386.1209100632	3296.642581214297	3301.97030265263	92.19202074	92.19202074
233	194	143053	-217821.1413	191977.7170250766	38.9849519807968	-101.5698518	728712.2542498187	346150.714388957	3544.812542498187	3384.752542498187	3295.752542498187	3295.752542498187	92.19202074	92.19202074
234	194	143054	-217161.1413	191977.7170250766	38.9851161122963	-101.5675158	728912.2923	346146.456767901	3543.956814906397	3383.7612943911417	3296.40419262895	3299.023145184116	96.9211071621949	93.3814887273002
235	194	143055	-216501.1413	191977.7170250766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgs.fg	BRiElevKgs.ft	SatHtKgs.fg	SatHtBoth.ft
317	1413	162381.1413	191777.31720250766	39.39958775	-101.3737716	295600.6211966709	4383809.157827154	3426.187654790737	3526.5048180767544	3156.4768002663795	3154.561893291844	3109.0280178092485	110.9429213838022	
318	1413	161721.1413	191777.31720250766	39.3995881527615	-101.3714737	295601.676729703	4383806.100055448	3425.43724394527	3514.418105695366	3155.466624209562	3143.1347647177843	3108.9514814589817	111.23363065768629	
319	1413	161601.1413	191777.31720250766	39.3995880296198	-101.3691029	296002.73505230922	4383801.94545498	3424.120551911538	3503.321865017461	3144.684563584653	3142.515867931644	3110.8252493868016	112.1431512403069	
320	1414	160401.1413	191777.31720250766	39.3962083	-101.3667686	296203.7871945158	4383792.87056515	3422.217732009197	3502.214038	3153.36115276224	3148.8137660249215	3105.882696207581	113.0416379057601	
321	1414	159741.1413	191777.31720250766	39.3963176304283	-101.3644343	296404.842126538	4383792.97056515	3420.3050425022733	3501.093528061065	3152.175981167442	3145.908761871039	3108.75468826173	115.8476617902522	
322	1414	159081.1413	191777.31720250766	39.3964264356596	-101.3621	296605.89685591	4383788.87056515	3419.382752972313	3519.960675691206	3150.6182141050768	3143.869127985485	3109.342615861272	116.0915417053088	
323	1414	158421.1413	191777.31720250766	39.39663500598085	-101.3597657	296806.9513909022	4383784.81222389	3416.59147460186	3528.8167	3148.75345607115	3143.7939924886723	3110.060723811336	115.8476617902522	
324	1414	157761.1413	191777.31720250766	39.39664301739215	-101.3574314	297008.0057236656	4383780.75660789	3414.919126486334	3527.658922689163	3148.73467105081	3143.514778969308	3110.9425271806542	114.1441438996083	
325	1414	157101.1413	191777.31720250766	39.39667595769927	-101.3550971	297209.05969108756	4383776.70130638	3413.92471571539	3526.7609723122	3148.640769972312	3143.514778969308	3110.9425271806542	114.1441438996083	
326	1414	156441.1413	191777.31720250766	39.3966579874829	-101.3527828	297410.1173913777	4383772.65142535	3411.562394548987	3525.298984100412	3143.242471855035	3141.816975304997	3110.5571743954097	112.05751291023403	
327	1414	155781.1413	191777.31720250766	39.39666434619648	-101.3504285	297611.1675267335	4383768.589185688	3410.829347869206	3524.07814187242	3142.3407694516063	3141.41870412647	3110.7504743563565	112.6719074957726	
328	1414	155121.1413	191777.31720250766	39.397070553901	-101.3480942	297812.2210633682	4383764.53430831	3404.9611573388063	3525.82096	3141.473681304453	3140.6421463921047	311.40841461798664	111.96063204046956	
329	1414	154461.1413	191777.31720250766	39.3971763107869	-101.3457599	298013.27440148324	4383760.47778413	3401.101737680604	3524.6535474039684	3140.8364222732727	3140.6398210291597	3110.751761169568	111.96063204046956	
330	1414	153801.1413	191777.31720250766	39.3972816167326	-101.3434256	298214.32764128426	4383762.45225615	3407.274599127743	3520.412874897976	3140.081511248993	3140.139274839023	3110.3308776250783	110.2731406075727	
331	1414	153141.1413	191777.31720250766	39.3973864718183	-101.3410913	298415.380682919	4383752.367373402	3393.5989494197106	3499.158842202515	3138.4345392551368	3139.59148032554	3109.7244029473817	109.744191699606	
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347	1414	142581.1413	191777.31720250766	39.39909208	-101.3037422	301632.2009	4383687.51282306	3341.761469055424	3228.0542022157258	3120.811951	3119.5649725919817	3107.24425347506212	105.865215708886	
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357	1414	135981.1413	191777.31720250766	39.399954230635	-101.28039	303642.6882	4383647.04020634	3331.060912959012	3214.96232246085	3107.3829059034	3103.900947194853	3107.732971926659	110.375778047555	
358	1414	135321.1413	191777.31720250766	39.40000471124095	-101.2780646	303843.73587435123	4383642.54649553	3328.781237375803	3213.738473536913	3105.93017011095	3107.0267032221	3106.94413359945	105.865215708886	
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362	1414	132681.1413	191777.31720250766	39.4004133426321	-101.2687273	304647.9246350466	4383626.7							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
43	14	14363	-7922.14133	19177.7172050766	39.4006278623278	-101.079645	320932.1060112576	432399.264407072	3163.039132475867	303.5793397157036	2960.063127154184	2960.029401470312	73.1621256151975	73.54939342359313
44	14	14364	-7656.14133	19177.7172050766	39.40063307252624	-101.0773106	321133.173899533	432396.411387167	3160.645247933164	301.3684147360774	2965.575471	2965.4931581312385	76.41053458135721	76.4503660483888
45	14	14365	-7291.14133	19177.7172050766	39.40063942	-101.074872	321334.166931116	432391.398767852	3158.257385110786	301.5568149468114	2969.603277802472	2969.4503497198224	79.8402327802472	79.89680774869154
46	14	14366	-7241.14133	19177.7172050766	39.40064371743448	-101.072618	321535.2011	432397.367749424	3155.86646242015	302.961299994765	2944.940623256057	2944.654092529664	82.01167674	82.3458907417793
47	14	14367	-7656.14133	19177.7172050766	39.4006487224922	-101.073075	321736.2347469667	432383.335341363	3153.56343813877	302.5301314051594	2944.89150547837077	2944.448759223422	82.8626602145175	83.0813681179633
48	14	14368	-7521.14133	19177.7172050766	39.40064841871906	-101.0679731	321937.26365717325	432379.3004313486	3151.3488875002813	302.15344157222	2944.270641539433	2943.8792779191625	81.82829993577883	82.2742634835972
49	14	14369	-7526.14133	19177.7172050766	39.40065945659996	-101.0656387	322138.294665533	432375.275	3149.134131109975	302.42826485627345	2944.9165435340683	2944.631347983772	79.911703386624	80.19698887
50	14	14370	-7601.14133	19177.7172050766	39.40066447	-101.063344	322329.3349727218	432371.24181986	3146.919374710693	302.548362309271	2946.63597975451	2946.63597975451	79.4536433366128	79.70071346266775
51	14	14371	-7384.14133	19177.7172050766	39.4006694057882	-101.06087	322540.35619742657	432367.107896755	3148.221568110786	302.5299854	2949.05887658832	2949.755588738915	73.4296966723754	73.5442658491547
52	14	14372	-7328.14133	19177.7172050766	39.400745959289	-101.0586356	322711.3895436966	432363.17956213	3147.021253141148	301.078930369285	2949.212157067577	2950.62471884445	71.8667735296063	70.4352048981853
53	14	14373	-7262.14133	19177.7172050766	39.400759554186055	-101.0563013	322942.4165672531	432359.142938195	3147.8247436811349	301.9187436811349	2942.293355668107	2943.719066740476	73.6308114	76.1553703660246
54	14	14374	-7196.14133	19177.7172050766	39.400844933501	-101.0539669	323143.4470977894	432355.118824943	3148.63623702913	301.816789943805	2925.391471708076	2924.821896273704	83.28751733072704	93.8570816523477
55	14	14375	-7101.14133	19177.7172050766	39.40086387421245	-101.0516325	323344.4770658113	432351.08862107	3147.2868142645645	301.4872464612804	2917.333647693384	2916.00973070987	80.11747561541871	81.73535209409043
56	14	14376	-7041.14133	19177.7172050766	39.4008423639934	-101.0492981	323545.5066113216	432347.08599968	3143.78071727918	301.6192543940704	2920.114354	2919.531722665207	86.1811014851407	96.7203417276308
57	14	14377	-6991.14133	19177.7172050766	39.4008990428443	-101.0469838	323764.5348435033	432343.028789425	3143.287219931877	301.510199304024	2928.164651491065	2928.635471549545	86.4698475458568	96.7203417276308
58	14	14378	-6932.14133	19177.7172050766	39.40073799076524	-101.0446294	323947.5693535873	432338.99177471	3138.78742554576	301.31807480474638	2920.468542042993	2920.6677054553493	84.440200041135	84.2410425921435
59	14	14379	-6866.14133	19177.7172050766	39.40075851277792	-101.042295	324148.5951348355	432334.969750885	3134.23861664807	301.2127139595847	2930.23217961995	2930.52271877664	82.48301397588193	82.1902481408038
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62	14	14382	-6668.14133	19177.7172050766	39.4007223831675	-101.0352919	324751.6821402385	432322.67737332	3129.44618688213284	300.9128445225167	2920.468370446643	2921.182425059868	86.65969337587332	87.94538264164727
63	14	14383	-6602.14133	19177.7172050766	39.4007269166436	-101.0329575	324952.7107181654	432318.851481254	3127.639035189627	300.923945232613	2914.505447105845	2914.6073943074407	83.4239127133367	93.32166511618061
64	14	14384	-6536.14133	19177.7172050766	39.4007140487734	-101.0306232	325165.7391418577	432314.825712955	3125.620653675944	300.772968753704	2910.866762535385	2910.480716890232	86.186201350399	96.2475126288106
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66	14	14386	-6404.14133	19177.7172050766	39.40074024065559	-101.025564	325555.75456549	432306.79507906	3121.58390502865	300.3417091760935	2900.003074815435	2907.8043932419473	96.717054243933	95.6125985167422
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68	14	14388	-6272.14133	19177.7172050766	39.4007489068149	-101.0212857	325957.85113091767	432301.981406929	3121.164313275311	300.3836001801756	2907.497113833176	2907.37819545297	94.39624697700401	94.5151653149444
69	14	14389	-6206.14133	19177.7172050766	39.40075316964775	-101.0189513	326158.8780373307	432294.618691237	3120.5890722	300.0739281348664	2907.87807734945	2907.835165465777	92.8357668008874	92.8357668008874
70	14	14390	-6140.14133	19177.7172050766	39.400757387324916	-101.0166169	326359.9601061869	432293.1046594664	3120.997113146829	2999.4491101555177	2906.122209685336	2908.106421020973	91.3269002968415	91.3269002968415
71	14	14391	-6074.14133	19177.7172050766	39.4007615990895	-101.0142825	326560.9336878787	432289.3363363	3120.8961364888	2998.2198771273238	2906.46987717207	2908.520701157818	89.7545435611954	89.7545435611954
72	14	14392	-6002.14133	19177.7172050766	39.4007615990895	-101.0119842	326761.9604041182	432285.05678947	3120.7413453528993	2997.8823524498273	2907.1823524498273	2908.012541393115	103.471417741425	103.471417741425
73	14	14393	-5942.14133	19177.7172050766	39.4007697697916	-101.0096138	326962.9872994018	432285.75079758	3120.888653049191	2995.7052242342666	2907.198157485192	2907.445317	88.5006074907458	88.5006074907458
74	14	14394	-5876.14133	19177.7172050766	39.40077387094716	-101.0072794	327164.0142604376	432283.5526730783	3120.5477207799834	2994.509830375863	2906.584288295057	2906.9545183012106	87.9240451452931	87.9240451452931
75	14	14395	-5810.14133	19177.7172050766	39.4007777930364	-101.004945	327365.405841472	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
76	14	14396	-5744.14133	19177.7172050766	39.40078174641989	-101.0026106	327566.0669793185	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
77	14	14397	-5678.14133	19177.7172050766	39.40078569146436	-101.0002763	327767.0931955544	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
78	14	14398	-5612.14133	19177.7172050766	39.4007896972989	-100.9979785	327968.154532789	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
79	14	14399	-5546.14133	19177.7172050766	39.40079332	-100.9956703	328169.1451352716	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
80	14	14400	-5480.14133	19177.7172050766	39.4007973053512	-100.9932731	328370.17063576	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
81	14	14401	-5414.14133	19177.7172050766	39.40080050063424	-100.9909388	328571.1964049339	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
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83	14	14403	-5282.14133	19177.7172050766	39.400811362439	-100.98627	328973.2470061884	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
84	14	14404	-5216.14133	19177.7172050766	39.400816999507	-100.9839356	329174.2720567424	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
85	14	14405	-5150.14133	19177.7172050766	39.4008225417248	-100.9816713	329368.154532789	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
86	14	14406	-5084.14133	19177.7172050766	39.40081873475657	-100.979369	329576.3216583305	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.8395578520738
87	14	14407	-5018.14133	19177.7172050766	39.40082219	-100.9769325	329777.3462103526	432280.752640734	3120.3849309697234	2993.264451683322	2905.4248938310147	2906.031275548868	87.8395578520738	87.83

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurElev.ft	W.Lt	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SurElevKgr.ft	SatThBoth.ft
568	143389	43398.8586730033514	191777.3170250766	39.40095172522553	-70.7855128	346260.8140443417	4327923957	2995.5657589107595	2848.7868749992176	2768.6906492426207	2767.9774055008884	80.0962257301691	80.80928493829224
570	143390	4598.858673003351	191777.3170250766	39.40095143532264	-70.7831789	346461.8252571348	43627.98.950045172	2998.370663530083	2846.690534115437	2767.933523476527	2767.155771257565	78.7570163861652	79.53476286
571	143391	5258.858673003351	191777.3170250766	39.40095109605414	-70.7809441	346662.6386610922	43700.94.943046473	3003.781750589498	2844.599248746716	2767.02907132079	2766.081187429893	75.5678414072983	75.5109142387062
572	143392	5194.858673003351	191777.3170250766	39.4009507495511	-70.7850077	346683.8406441706	43600.65.30247399	3002.66535360359	2847.748927346174	2766.154241653398	2764.78827386162	76.1542723855674	77.75900640335294
573	143393	6738.858673003351	191777.3170250766	39.400950882081132	-70.7761753	347064.85803831466	43676.76.929647943	3004.5935120347685	2840.425103	2764.5430474218797	2762.881783922464	75.88205530196046	77.54322880133759
574	143394	7238.858673003351	191777.3170250766	39.40094982	-70.7738409	347265.86991199134	43727.92.93	3005.1627610509178	2838.34974094835	2763.0047095330333	2761.084738768311	75.34503951680153	77.26501028
575	143395	7898.858673003351	191777.3170250766	39.4009492884321	-70.7715065	347466.8801255246	43627.68.917047837	3007.1769583742426	2832.21855230062	2761.266740268486	2759.109838299487	75.0164782385967	77.17333525
576	143396	8558.858673003351	191777.3170250766	39.4009487618915	-70.7691721	347667.891350204	43627.64.911047174	3006.5312769372962	2834.2264487950565	2760.311885079075	2757.017122041377	74.91456371598406	77.20932637638785
577	143397	918.858673003351	191777.3170250766	39.40094812903113	-70.7668377	347868.9012703685	43600.94.905	3008.89496790683	2834.1798927114	2767.531067214592	2755.85717486897	74.68891533	74.5256808841689
578	143398	978.858673003351	191777.3170250766	39.40094747899826	-70.764534	348069.912045891	43676.69.9964578	3005.258551624026	2834.133290162804	2765.705747839873	2754.48170729305	74.74318007729305	76.65526375
579	143399	10538.858673003351	191777.3170250766	39.40094677938508	-70.762169	348270.9221993704	43652.82.94042633	3005.0597421607716	2828.1188549416	2763.3418893583426	2751.258685808576	74.4738200733232	76.8593206882823
580	143400	11198.858673003351	191777.3170250766	39.40094603678679	-70.7598346	348471.9322022912	43627.48.89040238	3005.298175	2826.10296433167	2750.993813826541	2748.945054112384	75.10904610707621	77.15791032123434
581	143401	11858.858673003351	191777.3170250766	39.40094524909505	-70.7575002	348672.9420597637	43627.48.890403392	3005.5366256308084	2824.09601026655	2748.393561448534	2746.5482569750038	75.3470301541138	77.54574301193486
582	143402	12518.858673003351	191777.3170250766	39.4009441630982	-70.7551658	348873.9511770053	43627.48.890403405	3005.77605736227	2822.0769	2746.155472715331	2744.256669116299	75.9422158438906	77.8410194482132
583	143403	13178.858673003351	191777.3170250766	39.4009435843107	-70.7528314	349074.96133374715	43627.48.890403408	3005.196307252096	2820.1048672314743	2743.76278486187	2740.36074848165	76.34036441010267	78.321793828557
584	143404	13838.858673003351	191777.3170250766	39.4009421545888	-70.750487	349275.9707517229	43627.48.890403412	3003.80013022604	2818.118441325667	2740.86740988197	2739.2805406072107	77.2533713675579	78.8378952546523
585	143405	14408.858673003351	191777.3170250766	39.4009416739317	-70.7481628	349476.88020350616	43627.48.890403415	3004.40239237415	2816.1369382047092	2737.841596126534	2736.8216345595395	76.2954186205581	79.31531368116975
586	143406	15158.858673003351	191777.3170250766	39.400940632434004	-70.7458282	349677.98914953077	43627.48.890403418	3001.000340364686	2814.159497	2734.240225059641	2732.316715973534	75.8143231461098	78.11611818
587	143407	15818.858673003351	191777.3170250766	39.400939575981354	-70.7434839	349878.99870300066	43627.48.890403421	2998.694187361426	2812.1852941611046	2730.381024	2729.014245634495	76.8042074888452	83.1716995656509
588	143408	16478.858673003351	191777.3170250766	39.4009384726346	-70.7411595	350080.00705004437	43627.48.890403424	2996.4818578131426	2810.123668111	2726.494130043456	2725.7804430409683	76.744336767278	84.4428238
589	143409	17138.858673003351	191777.3170250766	39.40093732419502	-70.7388251	350281.015750229	43627.48.890403427	2992.229595090713	2808.24112054881	2722.666130009914	2722.78154593274	85.5778916389867	85.4622612210709
590	143410	17798.858673003351	191777.3170250766	39.40093613066192	-70.7364907	350462.024000614	43627.48.890403430	2988.994734836925	2806.2762720185856	2720.1959112307905	2720.77191012628	86.0635989779511	85.5058303623281
591	143411	18438.858673003351	191777.3170250766	39.4009349897948	-70.734165	350674.944003685	43627.48.890403433	2987.04449028814	2804.19781163874	2718.1978992	2718.1978992	86.996482948164	85.523623328
592	143412	19118.858673003351	191777.3170250766	39.40093330831531	-70.7318219	350884.0405514614	43627.48.890403436	2985.08165290343	2802.34495924786	2716.765054779208	2719.709785500274	83.5790411275822	82.6351064245083
593	143413	19778.858673003351	191777.3170250766	39.40093228	-70.7294875	351085.040676107	43626.98.8396263	2988.947830605187	2800.3810894338	2718.13960238967	2720.05623235303	81.24170261	80.3247769503907
594	143414	20438.858673003351	191777.3170250766	39.40093095549834	-70.7271531	351286.057043934	43626.98.83153158	2984.115753139	2798.4182482651336	2719.879542410105	2720.02930019528	75.5837061250251	78.38984925
595	143415	21098.858673003351	191777.3170250766	39.4009294865941	-70.7248188	351487.0648583636	43626.98.834903408	2982.2445818182356	2796.4562081046447	2720.940407016154	2720.0862977416	75.51801088496	76.44937832723008
596	143416	21758.858673003351	191777.3170250766	39.4009282250052	-70.7224844	351688.0723808115	43626.98.83293233	2979.435131312513	2794.4940164200983	2718.2393137008164	2719.239131477998	72.1495782525297	75.2548494207139
597	143417	22418.858673003351	191777.3170250766	39.40092691331917	-70.720175	351889.080742967	43626.98.83121066	2978.5752914253	2792.53171163874	2716.2520824212562	2718.27545840518	74.444827116011645	74.2525329595829
598	143418	23078.858673003351	191777.3170250766	39.4009257097968	-70.7178156	35209.762509178	43626.98.832959178	2976.762509178	2790.57009738827	2714.1320305345223	2718.1184671	74.469832354034	72.003291
599	143419	23738.858673003351	191777.3170250766	39.4009235695816	-70.7154812	352291.9407170404	43626.98.82906679	2971.6031821705534	2788.610222837775	2724.081241895035	2714.3806111619273	74.1498789779398	74.22961106
600	143420	24398.858673003351	191777.3170250766	39.400921715190464	-70.7131468	352492.1018	43626.98.827	2968.96255151	2786.65205999873	2722.086226349147	2712.5270682487	74.6324311605834	74.12496258
601	143421	25058.858673003351	191777.3170250766	39.40092002562934	-70.7108124	352693.1087823474	43626.98.82569816	2968.369389160337	2784.6954852759057	2721.2593541083465	2714.9653471604893	74.63134119604175	69.730131
602	143422	25718.858673003351	191777.3170250766	39.4009182097476	-70.7084781	352894.11561010895	43626.98.82505433	2966.752523	2782.7367830247067	2718.870909255615	2717.914718454005	63.658574005918	68.222013956612
603	143423	26378.858673003351	191777.3170250766	39.400916511226754	-70.7061437	353095.1222958284	43626.98.82444007	2964.840971260897	2780.77350805324	2715.875725246812	2712.89003335187	68.9878476	67.8835376434531
604	143424	27038.858673003351	191777.3170250766	39.4009146933805	-70.7038493	353296.128293702	43626.98.82404728	2963.0054553883	2780.77350805324	2715.875725246812	2712.89003335187	68.9878476	67.8835376434531
605	143425	27698.858673003351	191777.3170250766	39.40091281645046	-70.7014749	353497.122255565	43626.98.82308387	2962.47079702618	2776.83193825764	2708.763319527648	2707.96252330806	68.9878476	67.8835376434531
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607	143427	29018.858673003351	191777.3170250766	39.40090984130042	-70.6968061	353899.1475886811	43626.98.8239736725	2956.754440092854	2772.874573158013	2701.049033434385	2704.3029781015384	71.782373262803	68.5715995656509
608	143428	29678.858673003351	191777.3170250766	39.40090694	-70.6944717	354100.135601921	43626.98.821	2954.589517	2769.880280459026	2697.555709572854	2701.7112453197	70.0507277	69.93892023047101
609	143429	30338.858673003351	191777.3170250766	39.40090488877675	-70.6921374	354301.1593903875	43626.98.820	2954.40493764986	2768.90106091531	2694.439323	2699.66714309878	74.46173756416101	69.2394782
610	143430	30998.858673003351	191777.3170250766	39.40090279037479	-70.6898133	354502.1650797394	43626.98.825716423	2953.319671905333	2766.9115443418937	2691.9687919335182	2706.5824516335182	74.34315452	70.3294943842521
611	143431	31658.858673003351	191777.3170250766	39.40090068949896	-70.6874623	354703.1286979819	43626.98.8246923	2952.2491824923	2765.82972849815	2690.9827849815	2705.7849999999999	74.6569126086146	64.6569126086146
612	143432	32318.858673003351	191777.3170250766	39.4009088429006	-70.6851302	354904.176037664	43626.98.827764995	2952.739671531254	2762.939510521683	2690.95294201208	2707.74177996643	74.5363965809454	62.241110857216
613	143433	32978.858673003351	191777.3170250766	39.40090623308408	-70.6827998	355105.181304483	43626.98.82925737	2952.697901768615	2760.960806	2686.949996960087	2701.607413	74.10108088193149</	

ix	iy	ic	X	Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHLogK.f	SatHBoth.f
695	194	143515	87708.8586730335	1919777	3170250766	39.40055987	-100.491381	371587.1586667404	4322829.619513634	2824.900961985635	2617.948610891076	2565.2326854298984	2616.5632162269948	25.71592546	21.384989621
696	194	143516	87758.8586730335	1919777	3170250766	39.40055389199037	-100.489477	37188.15021116977	4322625.837399999	2824.12041398875	2617.948610891076	2564.44444444934	2617.259215511907	25.71592546	21.384989621
697	194	143517	87808.8586730335	1919777	3170250766	39.4005474748636	-100.486713	37199.1444336681	432281.655	2823.317658919153	2617.948610891076	2563.23468909355	2615.151729401016	25.71592546	21.384989621
698	194	143518	87858.8586730335	1919777	3170250766	39.400541808985	-100.484379	37219.138325357	432277.673768275	2822.5411717990555	2614.09910552815	2564.895613005726	2600.89074126076	49.2034999224255	13.202059916739017
699	194	143519	87908.8586730335	1919777	3170250766	39.400535120024	-100.4820436	37239.131	432273.682250173	2821.61590498937	2612.835360323474	2564.5281875152586	2593.962152762584	40.7037172771688784	18.92914505642102
700	194	143520	87958.8586730335	1919777	3170250766	39.40052955	-100.4797092	37259.12636369246	432269.711	2820.55132221005	2611.5873132221005	2563.818449403375	2591.466965	47.3821712586573426	20.11438146845007
701	194	143521	88008.8586730335	1919777	3170250766	39.4005234854325	-100.4773748	37279.132009575736	432265.728899475	2819.484190036837	2610.3170071988616	2562.3936287951437	2599.778411540566	47.9434719247178	10.55881957480567
702	194	143522	88058.8586730335	1919777	3170250766	39.40051710457574	-100.4750045	37299.1370557554	432261.798984775	2818.41857100604	2609.1027894347806	2561.092654839245	2599.7744311162809	48.01013454235825	11.87678046711597
703	194	143523	88108.8586730335	1919777	3170250766	39.40051081384586	-100.472761	37319.168152585	432257.78162585	2815.906827847386	2607.8784134131396	2559.07458511960207	2587.8201816551704	48.8038181466889177	20.05778468898177
704	194	143524	88158.8586730335	1919777	3170250766	39.40050448132727	-100.4703718	37339.106506989	432253.78163583	2815.9122230399	2606.564278738137	2558.971223039934	2587.18136589062	49.46928590435028	22.49453079643025
705	194	143525	88208.8586730335	1919777	3170250766	39.40049810211273	-100.4680374	37359.10938042744	432249.80730567	2808.0064517120332	2605.462898796529	2554.8723560166613	2580.167505892625	50.690307798675	25.29548013904305
706	194	143526	88258.8586730335	1919777	3170250766	39.40049168	-100.465703	37379.0869307238	432245.82718718	2804.054790193707	2604.274713727018	2552.8248453555457	2577.872488159856	51.45986837147235	27.056464911032435
707	194	143527	88308.8586730335	1919777	3170250766	39.40048538034836	-100.4633887	37399.0793408234	432241.78425029	2798.782727590115	2603.089060699375	2550.7276847824233	2576.97321858733426	52.1372286373426	29.2025823663040
708	194	143528	88358.8586730335	1919777	3170250766	39.40047869	-100.4610343	37420.00176127072	432237.86718298	2796.194719836675	2601.3484556350564	2548.96702	2576.17608067693	52.967834872336245	25.758773693326284
709	194	143529	88408.8586730335	1919777	3170250766	39.40047234205048	-100.4587	37440.01658788045	432233.887847929	2795.59016016424	2600.7817052962524	2547.214950124155	2580.9054627603	53.66675712267260	18.87678046711597
710	194	143530	88458.8586730335	1919777	3170250766	39.400465295053	-100.456356	37460.0205220575	432229.90849124	2795.03847864054	2599.63847864054	2545.8161401181947	2579.7787778287926	53.8222385256932	19.85890753261402
711	194	143531	88508.8586730335	1919777	3170250766	39.400458796939	-100.4540313	37480.0305423261	432225.95812726	2794.51393181622	2598.040925577655	2544.231186407214	2577.2172655237	54.27296015603908	21.28836600162841
712	194	143532	88558.8586730335	1919777	3170250766	39.4004521840572	-100.451699	37500.043143795	432221.950531474	2778.021145433715	2597.37876940154	2542.720627103066	2572.481687172374	54.565324086181	24.895718977677
713	194	143533	88608.8586730335	1919777	3170250766	39.40044544	-100.449326	37520.053042601597	432217.91932428	2774.228688	2596.257164317193	2540.278358767591	2566.548875105096	55.97880549602384	27.0288880712361
714	194	143534	88658.8586730335	1919777	3170250766	39.4004386974075	-100.4470282	37540.06275885495	432213.98220505	2770.43292498009	2595.142502689085	2538.6986113191215	2561.5410721054837	56.44389137	33.6014304828321
715	194	143535	88708.8586730335	1919777	3170250766	39.400432856949	-100.4446838	37560.079183717854	432210.015	2767.3189919303836	2592.333136958405	2536.973592699523	2556.360723726664	57.0584272601823	37.671591587174134
716	194	143536	88758.8586730335	1919777	3170250766	39.40042645302774	-100.442359	37580.08116555941	432206.36802344	2764.87767930303	2592.32435314303	2535.15745792408	2552.548707369045	57.76589139072394	40.37473194362742
717	194	143537	88808.8586730335	1919777	3170250766	39.4004200748473	-100.440019	37600.09378048473	432202.18354811	2763.92832875662	2591.8086732875662	2534.02832875662	2551.7897778287926	57.848612974331796	55.2891574331796
718	194	143538	88858.8586730335	1919777	3170250766	39.4004110684719	-100.437698	37620.09514767155	432198.01107409	2759.925970682426	2590.64906767114	2531.725133693403	2541.677515232913	58.96945328971108	49.0170914379585
719	194	143539	88908.8586730335	1919777	3170250766	39.400405795556	-100.4353564	37640.10867176875	432194.103557427	2756.230525562581	2589.57047938087	2530.432044552813	2537.2147277682	59.002402090938	52.35963431612663
720	194	143540	88958.8586730335	1919777	3170250766	39.40039703222244	-100.4330221	37661.1178559277	432190.12605755	2751.14771949624	2588.456474606341	2529.384141483308	2534.02145126062	59.0750973234038	55.45429480279254
721	194	143541	89008.8586730335	1919777	3170250766	39.400390159611	-100.4306877	37681.29694973509	432186.19052384	2746.064914629748	2587.334842948306	2528.5768976023491	2531.767323938	59.1627251654201	55.5497321564201
722	194	143542	89058.8586730335	1919777	3170250766	39.4003827557773	-100.428354	37701.31607112461	432182.127097306	2740.982183118258	2586.909752817964	2527.879321321444	2528.05050210993647	58.3298266881941	56.1592317189913
723	194	143543	89108.8586730335	1919777	3170250766	39.4003759486655	-100.426019	37721.33570748473	432178.19354811	2737.672807847925	2585.95410155827	2526.923821788158	2527.8486129743277	57.8486129743277	56.1592317189913
724	194	143544	89158.8586730335	1919777	3170250766	39.40036871743	-100.423687	37741.3478217181989	432174.1781989	2732.76703702327	2584.91629149176	2525.9221147835116	2526.923821788158	57.8486129743277	56.1592317189913
725	194	143545	89208.8586730335	1919777	3170250766	39.40036147767376	-100.421303	37761.3364781812	432169.704242133	2734.5982134020533	2582.816300244818	2526.039001189323	2525.9221147835116	57.8486129743277	56.1592317189913
726	194	143546	89258.8586730335	1919777	3170250766	39.40035472539236	-100.419016	37781.294239304	432165.266725371	2731.62161127039	2581.674009387937	2525.48585	2526.1592317389057	56.1592317389057	55.51168354299975
727	194	143547	89308.8586730335	1919777	3170250766	39.4003463502874	-100.4166816	37801.81951091743	432161.29029581	2732.21864515524	2580.531342763338	2524.872460221104	2525.48585	55.51168354299975	55.18969824974056
728	194	143548	89358.8586730335	1919777	3170250766	39.4003389332587	-100.4143473	37821.9055310103	432157.13403463	2730.281049134486	2579.381049134486	2524.169593975428	2524.5006357204356	55.214551590456	54.8804134140596
729	194	143549	89408.8586730335	1919777	3170250766	39.4003317426071	-100.4120129	37842.89952950526	432154.33863176	2731.93843449496	2578.2233503051	2523.1536028453798	2523.1536028453798	55.0699247610024	54.7748887297433
730	194	143550	89458.8586730335	1919777	3170250766	39.400324174708	-100.409786	37862.9186239673	432150.36354106	2731.79574740869	2577.075838125417	2522.0486129743277	2521.7897778287926	55.0699247610024	54.7748887297433
731	194	143551	89508.8586730335	1919777	3170250766	39.40031641423396	-100.4074347	37882.9186239673	432146.3832246	2730.165537904242	2575.8740971034504	2518.4872913425165	2518.721579570473	55.0699247610024	54.7748887297433
732	194	143552	89558.8586730335	1919777	3170250766	39.40030871511316	-100.405009	37902.864129074	432142.413450588	2727.044821195674	2574.704908262274	2514.10522986351	2514.357663	60.590260626645	60.346827450738
733	194	143553	89608.8586730335	1919777	3170250766	39.40030117567695	-100.402675	37922.864338567	432138.41671235	2723.941052120025	2569.33869687967	2509.50458438165	2514.7882511	60.1392562703762	60.1392562703762
734	194	143554	89658.8586730335	1919777	3170250766	39.40029348875035	-100.4003412	379425.84615940356	432134.464	2720.033893970304	2568.257871435758	2504.869382	2504.98139204805	60.47393891920485	60.47393891920485
735	194	143555	89708.8586730335	1919777	3170250766	39.4002865731485	-100.398068	37962.8385935763	432130.344977129	2718.779272026954	2571.139117642036	2501.203933483806	2501.067670373389	60.590260626645	60.590260626645
736	194	143556	89758.8586730335	1919777	3170250766	39.40027798	-100.3956725	37982.9186239673	432126.35547183	2718.44523078151	2569.36726403671	2498.35349044145	2497.748137830203	61.037345263411	72.700461288589
737	194	143557	89808.8586730335	1919777	3170250766	39.40026974752	-100.393382	37992.864129074	432122.413450588	2717.044821195674	2568.257871435758	2500.45812917	2496.98129743277	72.700461288589	72.700461288589</

ix	iy	icart	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
81	135	143641	-318141.1413	920437.3170250766	39.397526546921696	-101.9246684	248149.56398444762	346943.734088306	3793.1155727935998	3640.950816785107	3552.454478480284	3758.286274514418	84.4963383042298	62.6645247
82	135	143642	-317481.1413	920437.3170250766	39.397548259841364	-101.9223343	248350.67236874258	346949.6412011059	3787.462849457308	3639.541579320255	3544.110178655387	3591.081423003339	85.34397514381772	48.3773243086658
83	135	143643	-316821.1413	920437.3170250766	39.39756987676415	-101.9200002	248651.79053992926	346946.535637453	3782.8613069133667	3628.171515845697	3494.136231476531	3512.2632174166684	85.04347375867234	58.37411961481759
84	135	143644	-316161.1413	920437.3170250766	39.39759150542665	-101.9176661	248772.88844413718	346941.430217457	3773.109450390775	3637.777285690312	3522.866178	3556.302607	85.11155028979312	80.07512136663127
85	135	143645	-315501.1413	920437.3170250766	39.397613128092125	-101.915332	248893.99610000994	346945.325001122	3776.050813665887	3634.796718609496	3511.253680044476	3536.8679906492202	85.2345311606546979	101.92827796072561
86	135	143646	-314841.1413	920437.3170250766	39.3976360667278	-101.9129379	249155.10350724467	346943.6221	3772.0122132119557	3633.18635261381	3499.052497226601	3509.4753115374506	85.2378993328998	123.7142846489528
87	135	143647	-314181.1413	920437.3170250766	39.3976581461857	-101.9106638	249356.21066623006	346949.151179269	3766.6609680638687	3631.545979226235	3488.3183221105082	3508.650062002171	85.2378993328998	140.6091402606396
88	135	143648	-313521.1413	920437.3170250766	39.397677950579434	-101.9083296	249557.31771761945	346945.010373478	3759.1128250599533	3629.8745919259232	3488.4074384147893	3499.12663	85.2378993328998	170.74006186834212
89	135	143649	-312861.1413	920437.3170250766	39.39769898796537	-101.9060002	249758.42420471018	346940.360171826	3752.8613069133667	3628.171515845697	3494.136231476531	3512.2632174166684	85.04347375867234	195.983036079626
90	135	143650	-312201.1413	920437.3170250766	39.397720340146314	-101.9036614	249959.5306573703	346943.801973493	3744.016538008049	3625.9436379275	3491.389803619653	3520.947670842753	85.04347375867234	195.983036079626
91	135	143651	-311541.1413	920437.3170250766	39.397741647300223	-101.9013273	250160.638277525	346943.697978745	3738.064567061848	3624.668357348996	3492.284183451647	3530.82343642623	85.23471918683135	93.73800108674312
92	135	143652	-310881.1413	920437.3170250766	39.39776290373085	-101.8989931	250361.74274459003	346942.594187572	3733.70877	3622.869891656168	3492.986393769897	3530.345332	85.23471918683135	92.5245725
93	135	143653	-310221.1413	920437.3170250766	39.39778412635882	-101.896659	250562.8418183032	346943.2592766791	3729.325972667591	3621.0420584878843	3493.561323207291	3527.503628	85.23471918683135	93.5384300322422
94	135	143654	-309561.1413	920437.3170250766	39.3978052825941	-101.8943249	250763.9538453783	346940.3827159233	3724.99717504004633	3619.180005529115	3494.1030062725695	3525.5113059486259	85.23471918683135	93.5384300322422
95	135	143655	-308901.1413	920437.3170250766	39.39782643	-101.8919088	250965.0592576254	346946.284034354	3725.17356433343	3617.300770608034	3494.285911402507	3525.5113059486259	85.23471918683135	93.5384300322422
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98	135	143658	-306921.1413	920437.3170250766	39.39788953004348	-101.8849884	251568.373089333	346940.975175227	3731.3190623144	3611.545696431794	3495.313703378591	3518.19917947073664	85.23471918683135	93.5384300322422
99	135	143659	-306261.1413	920437.3170250766	39.3979104818368	-101.8826542	251769.477285350	346943.78348889	3740.24753341372	3609.545385180973	3495.5928036679	3516.765412870713	85.23471918683135	93.5384300322422
100	135	143660	-305601.1413	920437.3170250766	39.39793138287252	-101.8803201	251970.581233378873	346948.8771	3748.286024628998	3607.560121670751	3495.8974795616673	3517.427407074804	85.23471918683135	93.5384300322422
101	135	143661	-304941.1413	920437.3170250766	39.39795239175936	-101.877986	252171.6840057874	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
102	135	143662	-304281.1413	920437.3170250766	39.39797350539387	-101.8756518	252372.78840077597	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
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104	135	143664	-302961.1413	920437.3170250766	39.39801554	-101.8709835	252774.945858852	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
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113	135	143673	-297021.1413	920437.3170250766	39.39819898138845	-101.8499762	254584.91033754387	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
114	135	143674	-296361.1413	920437.3170250766	39.39821926832807	-101.8476421	254786.01087149524	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
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116	135	143676	-295041.1413	920437.3170250766	39.39825967414481	-101.843017	255189.2112112254	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
117	135	143677	-294381.1413	920437.3170250766	39.3982798638988	-101.8406396	255389.3111911845	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
118	135	143678	-293721.1413	920437.3170250766	39.398299823474	-101.8383054	255590.4106843934	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
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120	135	143680	-292401.1413	920437.3170250766	39.3983399426638	-101.8336371	255992.6090016175	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
121	135	143681	-291741.1413	920437.3170250766	39.39835987952392	-101.8313029	256193.7039036342	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
122	135	143682	-291081.1413	920437.3170250766	39.3983798675319	-101.8289868	256394.80653000385	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
123	135	143683	-290421.1413	920437.3170250766	39.398399841167184	-101.8266478	256595.9167167184	346891.692926714	3743.3656849172427	3605.561117936487	3496.0476323412804	3518.19917947073664	85.23471918683135	93.5384300322422
124	135	143684	-289761.1413	920437.3170250766	39.398419490431	-101.8243004	256797.0300780006	346891.						

ix	iy	ic7	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
207	195	143767	-234981.1413	920437.3170250766	39.39990732021992	-101.635064	733487.3284535648	3446458.014194008	3008.7075811211002	314.9650757047503	3290.337260435583	3281.7081424698185	136.21349301294604	135.2426145778588
208	195	143768	-234321.1413	920437.3170250766	39.39992353216981	-101.628226	733688.4007091078	3446445.333696962	3004.716183766106	314.51809961	3290.826624030651	3279.706071704435	124.98243648722598	135.10298687644512
209	195	143769	-233661.1413	920437.3170250766	39.399933431831678	-101.625819	733869.485507089	3446448.33494945	3004.734345744112	314.41403546786954	3291.4160923389391	3279.405407689594	123.247232389391	135.12620849594145
210	195	143770	-233001.1413	920437.3170250766	39.39995528090185	-101.623576	734090.5638918503	3446445.73127355	3096.733685911919	314.511711396111	3291.015287565365	3275.134849809205	138.736425629476	138.3768248719046
211	195	143771	-232341.1413	920437.3170250766	39.399971177483834	-101.621223	734291.6146688034	3446441.695	3095.6034520103962	314.233808225637	3292.6560980175916	3275.90576680321	119.6977174004526	138.3787515431594
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213	195	143773	-231021.1413	920437.3170250766	39.40000284	-101.6165548	734693.7969399107	3446443.35885145	3096.366859574791	314.0183352779637	3294.17522592945	3280.53337966723	115.8458077	129.4848737112335
214	195	143774	-230361.1413	920437.3170250766	39.40018596994144	-101.6142025	734894.8742243752	3446443.458687473	3097.01800291038	3408.83551948628	3294.17522592945	3281.83319642944	113.619480533306	127.002382843441
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230	195	143790	-219801.1413	920437.3170250766	39.40285647438334	-101.5768721	738121.010370712	3446436.2207979	3550.1345380154	3388.452488778626	3293.625835545174	3294.304734837535	94.8265522	94.147742389207
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233	195	143793	-217821.1413	920437.3170250766	39.4030949683856	-101.5698962	738715.105402675	344638.351994	3538.13919219009	3384.35448197009	3285.421049035744	3289.07915043865	97.2999272910336	97.2999272910336
234	195	143794	-217161.1413	920437.3170250766	39.40323435645871	-101.5675349	738916.379599898	3446347.91925224	3531.43560819808	3382.9672828118587	3283.489817525807	3285.920070944114	97.04719517147427	97.04719517147427
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236	195	143796	-215841.1413	920437.3170250766	39.4035394629056	-101.562963	739318.519109117	344634.79592099	3528.166531071422	3380.166531071422	3280.58451474242	3280.58451474242	93.9234041	93.9234041
237	195	143797	-215181.1413	920437.3170250766	39.4036866477915	-101.560532	739519.591305685	344633.56953231	3525.172184642197	3378.7545030119	3279.1954754291482	3287.603474136383	95.9524690097087	91.15478037373083
238	195	143798	-214521.1413	920437.3170250766	39.4038334403918	-101.5581977	739720.663917321	344633.614257061	3523.66973672646	3377.458212609525	3279.6694207895	3289.0569374387456	98.2584077077998	98.2584077077998
239	195	143799	-213861.1413	920437.3170250766	39.40397878209064	-101.5558635	739921.7352073947	344633.54753102	3521.187385674230	3375.9260307134005	3275.470467440434	3291.0797875496337	100.45556234935706	84.8462431763676
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243	195	143803	-211221.1413	920437.3170250766	39.4045606386705	-101.546823	740726.02030413225	3446311.25373197	3510.316238195414	3370.178351667274	3280.96339312248	3279.178351667274	92.4232843	92.4232843
244	195	143804	-210561.1413	920437.3170250766	39.40470472706004	-101.544192	740927.091037854	3446307.180331864	3511.492169138653	3368.717911389515	3277.891647698824	3274.758708917505	100.82622617091	93.9590246202105
245	195	143805	-209901.1413	920437.3170250766	39.40484836341796	-101.5418577	741128.16165577	3446303.108100966	3512.668101325314	3367.74995766187	3266.639256406547	3271.769480420065	96.0780195461217	96.0780195461217
246	195	143806	-209241.1413	920437.3170250766	39.4049914588015	-101.5395234	741329.2319581762	3446299.05357448	3513.84403110226	3365.7688897362	3264.761591029544	3267.9566726166236	91.0113707050741	97.8201635882825
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250	195	143810	-206601.1413	920437.3170250766	39.40556038712992	-101.5301862	742133.5110162406	3446281.747493259	3509.853168015732	3359.759310210192	3258.41511505214	3258.415196811927	90.3371758967004	90.8073528047513
251	195	143811	-205941.1413	920437.3170250766	39.40570071216364	-101.52785								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BREVElevKgr.ft	BREVElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
332	195	143893	-151821.1413	920437.3170250766	39.40157225915437	-101.336436	298821.546621547	4363945.49990168	4364550412628523	32.51151535719783	313.1775545113796	315.3689241238845	310.3339990605967	108.62231233313178
334	195	143894	-151161.1413	920437.3170250766	39.40156209648066	-101.334116	299022.5967580316	4363943.45161234	3385.789704620289	324.225635803172	314.3705569155306	313.670471438646	109.8505815841163	108.5554557530737
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338	195	143898	-148521.1413	920437.3170250766	39.401623300577616	-101.3247641	299826.8053375854	4363935.228215071	3378.995151560692	313.27460442938	313.1226766411353	107.92651091775406	107.723869395678	107.723869395678
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363	195	143923	-132021.1413	920437.3170250766	39.40186358171668	-101.2664046	304853.02570573526	4363823.945	3325.8147439221645	320.9589495645296	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
364	195	143924	-131361.1413	920437.3170250766	39.401872156430976	-101.2640702	305054.0720680065	4363818.896737628	3321.51674811819654	320.9589495645296	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
365	195	143925	-130701.1413	920437.3170250766	39.40188119005232	-101.2617358	305255.1818527594	4363815.848248458	3306.570128190623	320.9589495645296	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
366	195	143926	-130041.1413	920437.3170250766	39.4018901658068	-101.2594014	305465.164115801	4363811.8	3301.612140723817	320.9589495645296	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
367	195	143927	-129381.1413	920437.3170250766	39.401898897091606	-101.2570671	305657.208471754	4363807.572	3299.25849565898	320.9589495645296	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
368	195	143928	-128721.1413	920437.3170250766	39.40190781693036	-101.2547327	305859.258910919	4363803.703497711	3297.41219374017	3197.979241	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
369	195	143929	-128061.1413	920437.3170250766	39.40191646860784	-101.2523893	306059.3074707575	4363800.658963062	3295.779505086232	3196.41182604416	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
370	195	143930	-127401.1413	920437.3170250766	39.40192519576416	-101.2500639	306260.3459	4363795.609	3285.782905	3194.803367044565	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
371	195	143931	-126741.1413	920437.3170250766	39.40193837872743	-101.2477295	306461.3909	4363791.561545181	3281.384951675895	3193.149471	307.3624348948175	107.92651091775406	107.723869395678	107.723869395678
372	195	143932	-126081.1413	920437.3170250766	39.40194251479766	-101.2453951	306662.43567173975	4363785.14466321	3271.472356401914	3191.447232465837	307.3624348948175	107.92651091775406	107.723869395678	107.723869395678
373	195	143933	-125421.1413	920437.3170250766	39.40195110667479	-101.2430607	306863.480267407	4363783.468	3271.472356401914	3191.447232465837	307.3624348948175	107.92651091775406	107.723869395678	107.723869395678
374	195	143934	-124761.1413	920437.3170250766	39.40195963463045	-101.2407263	307064.5247374746	4363781.4291186	3266.50053614996	3191.447232465837	307.3624348948175	107.92651091775406	107.723869395678	107.723869395678
375	195	143935	-124101.1413	920437.3170250766	39.40196821693036	-101.2384373	307265.568910919	4363779.620861924	3264.41219374017	3197.979241	310.849319439735	107.92651091775406	107.723869395678	107.723869395678
376	195	143936	-123441.1413	920437.3170250766	39.40197661175711	-101.2360575	307466.613019559	4363771.320814681	3255.53995214238	3184.132101	308.925103743137	107.92651091775406	107.723869395678	107.723869395

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SurfAtk.f	SurfBoth.f
459	14409	-68661.14133	920437.3170205766	39.40252131328724	-101.0423011	324152.6290554523	4363436	188960602	3131.572420519984	313.21229942977652	2934.585161966066	2935.029889	78.4476301158584	78.13703548494198
460	14402	-68601.14133	920437.3170205766	39.402525962012605	-101.0399666	324353.6584030028	4363432	159580403	3125.68021788616	312.01121020777824	2933.6089899999999	2934.308571819271	78.41210385115456	77.71244895123763
461	14402	-67441.14133	920437.3170205766	39.40253740452295	-101.0378322	324564.8971290564	4363403	188960602	3127.7896239512485	310.810862	2932.84317342049	2933.42565552302	80.9678417386095	80.354168196799
462	14402	-66861.14133	920437.3170205766	39.40253518418078	-101.0352768	324755.715683905	4363424	101422268	3105.913224314855	300.9596147181304	2924.3670139171572	2924.634756378494	85.23170080091716	84.964861820397
463	14402	-66621.14133	920437.3170205766	39.40253971627356	-101.0329633	324966.7446746312	4363420	07644316	3123.823403940689	300.8386647297588	2919.038093368272	2919.313638360696	89.3485539236509	89.0682503609817
464	14404	-6361.14133	920437.3170205766	39.402544221	-101.0306289	325157.77228083157	4363416	105290512	3107.171210021	2916.6190085148854	2916.2866316617274	2916.505365011687	90.880535927485	90.573454905478
465	14402	-64701.14133	920437.3170205766	39.40254865	-101.0282845	325358.8023331357	43634210E		3105.948080121954	300.5490808121954	2913.829703476264	2913.423835	92.1243845376897	92.5302543604952
466	144026	-64041.14133	920437.3170205766	39.40255347336447	-101.02596	325559.82819541806	4363407	387514805	3116.943658458545	300.743930945527	2912.20177585933	2912.140364503187	92.5267308854437	92.5935454969728
467	144027	-6381.14133	920437.3170205766	39.40255780452295	-101.0236256	325760.85899712658	4363403	188960602	3118.707310581874	300.3511453197876	2910.3916327222692	2910.2281211155405	93.11981497067638	93.26533208243512
468	144028	-6227.14133	920437.3170205766	39.40256170842384	-101.0212152	325961.8384233115	4363399	931765343	3118.527866250363	300.2289115650167	2910.2189847303857	91.96774203341337	92.0502683363937	92.0502683363937
469	144029	-62061.14133	920437.3170205766	39.40256597130115	-101.0185657	326162.8019791512	4363395	904191652	3120.3484214850332	300.105557414033778	2910.5768309631576	90.542387713653	90.4784731722017	
470	144030	-61401.14133	920437.3170205766	39.40257018908419	-101.0166223	326363.9379841551	4363391	878618643	3122.168978496661	290.8203065218045	2910.3334232900356	89.486883217684	89.37539373	
471	144031	-60671.14133	920437.3170205766	39.402574361772906	-101.0142879	326564.9650074437	4363383	119541671	3120.81319541671	299.85812989104247	2910.1812789105805	2910.2927316422383	88.0402000461982	88.28856727
472	144032	-60081.14133	920437.3170205766	39.4025784937637	-101.0119534	326765.99168158594	4363383	426276433	3125.346849246632	299.3391430487527	2909.8456349102685	2909.473192484977	87.2668391296578	87.2668391296578
473	144033	-59421.14133	920437.3170205766	39.40258257	-101.009619	326967.0184867871	4363379	799503614	3126.8569899999248	296.094470811018	2909.502421942657	2909.362924437238	87.04204649575009	86.7314543737363
474	144034	-58761.14133	920437.3170205766	39.4025869027335	-101.0072846	327168.0450352163	4363375	76933247	3128.37038726562	290.84611608413686	2908.584697336204	2908.733028162468	86.259663508912	86.1129526189997
475	144035	-58101.14133	920437.3170205766	39.40259061584005	-101.0049051	327369.0714111837	4363371	724963242	3131.4387073388673	299.3591971621408	2907.133247230691	2907.91311889856	86.4599499314496	85.9960527315518
476	144036	-57441.14133	920437.3170205766	39.40259454880209	-101.0026157	327570.0979071	4363367	716794243	3133.064250352253	290.3366979530033	2906.495090675624	2906.91212712162	85.781827737945	85.4245687808706
477	144037	-56781.14133	920437.3170205766	39.4025985002498	-101.0002813	327771.1236022717	4363363	691	3140.68925302567	299.0715663466934	2905.423075804887	2905.622572645604	85.6542587602475	85.213678243306
478	144038	-56121.14133	920437.3170205766	39.4026023079531	-100.9979486	327972.1494584714	4363359	665	3148.436285917	298.91518654787	2905.288628813165	2905.608410134549	85.2067764131286	85.2067764131286
479	144039	-55461.14133	920437.3170205766	39.402606119887714	-100.9956124	328173.175217084	4363355	639	3148.42401063196	298.8549156402288	2903.157776036392	2903.157413962041	85.00393860303	85.00528683
480	144040	-54801.14133	920437.3170205766	39.40260986727575	-100.993278	328374.2006300296	4363351	61412418	3150.03981636541	297.729311	2901.673217434049	2901.297857178589	85.6913923777014	85.9814530223104
481	144041	-54141.14133	920437.3170205766	39.402613949876	-100.9909548	328575.228971118	4363349	592	3148.645210052535	298.45248996226	2900.429156382417	2900.393752430916	85.621514823849	85.621514823849
482	144042	-53481.14133	920437.3170205766	39.40261728514291	-100.988091	328776.2514508095	4363345	56392404	3153.26147292214	298.762426090497	298.706929	298.396497376476	86.020767128252	86.33029271402095
483	144043	-52821.14133	920437.3170205766	39.40262091668092	-100.9862746	328977.2761521529	4363337	532773261	3158.445172718511	289.7803483030291	289.7318205180037	289.641541882678	86.12694203487263	86.12694203487263
484	144044	-52161.14133	920437.3170205766	39.40262450314331	-100.9834002	329178.3009254183	4363335	51466392	3148.91745340845	288.2157448620243	288.673233473722	288.617563328976	85.58421514832071	86.039852893077
485	144045	-51501.14133	920437.3170205766	39.40262845411128	-100.9810588	329379.3256656194	4363331	49029605	3150.50413637014	288.9046057408673	288.5441336855727	288.59510248980452	85.5813680186127	85.5813680186127
486	144046	-50841.14133	920437.3170205766	39.40263154074895	-100.9797213	329580.5017408745	4363327	46136369	3142.090817690507	297.952172687562	288.6941711519703	288.6473885006966	84.7504756796888	85.1242818699645
487	144047	-50181.14133	920437.3170205766	39.40263498184685	-100.97746293	329781.3745156571	4363323	434974204	3148.645210052535	297.952172687562	288.6941711519703	288.6473885006966	84.7504756796888	85.1242818699645
488	144048	-49521.14133	920437.3170205766	39.4026383904987	-100.9754023	329985.3989136293	4363319	418115014	3158.1685234791244	298.751769829144	289.852097079153	289.802111267343	84.719470176176	84.719470176176
489	144049	-48861.14133	920437.3170205766	39.40264175903925	-100.9727268	330183.4227071413	4363315	394349661	3136.6914113405427	297.5598259597466	288.963044355732	288.96440684	79.2025816041454	79.1579423678882
490	144050	-48201.14133	920437.3170205766	39.40264507493521	-100.9699336	330384.4465460077	4363311	371489423	3135.214463423267	297.4752809161742	289.7114109169423	289.7101542546775	79.1177174675146	79.57747066
491	144051	-47541.14133	920437.3170205766	39.40264834573672	-100.9675991	330585.4702253574	4363307	34823109	3135.552567176032	297.27219176298985	289.066821541094	289.067415973	75.8440413889525	75.59579017831956
492	144052	-46881.14133	920437.3170205766	39.40265157144384	-100.9652647	330786.4937396645	4363303	32536798	3137.70607315414	297.1566862884428	288.962020906503	288.9641492	75.34883378197156	75.0653710255053
493	144053	-46221.14133	920437.3170205766	39.40265470256605	-100.9629303	330987.5170891365	4363299	30208556	3138.859884850333	289.019653302633	288.9421124717657	288.9408168985827	76.71450820297812	76.71450820297812
494	144054	-45561.14133	920437.3170205766	39.40265789757472	-100.9605958	331185.5049123705	4363295	28014924	3142.013100542535	298.301752067328	288.971752067328	288.971752067328	81.8128515840247	81.8128515840247
495	144055	-44901.14133	920437.3170205766	39.40266098	-100.9582614	331389.56329439057	4363291	257690227	3145.874782729214	297.4674818	288.78429944269463	288.7692071620208	81.719491189891	87.8591107403239
496	144056	-44241.14133	920437.3170205766	39.402664023327816	-100.9559269	331590.5861505841	4363287	23532313	3135.645799821367	296.6020036471166	287.4144875583575	287.413741106293	91.6775160875915	91.95458654022578
497	144057	-43581.14133	920437.3170205766	39.40266703265266	-100.9535925	331791.6088	4363283	21354555	3136.679623233524	286.7408541038717	287.050387306046	287.30240724096	94.41854679076717	94.41854679076717
498	144058	-42921.14133	920437.3170205766	39.402669878703024	-100.9512581	331992.6313711296	4363279	18197244	3138.715724635677	296.350414530765	287.162280351407	287.8442080703093	95.7381419178354	95.8662064717103
499	144059	-42261.14133	920437.3170205766	39.40267288788496	-100.9489236	332193.6537389935	4363275	17026397	3123.004175481038	296.37179412148394	286.37179412148394	286.37179412148394	96.360198975474	96.360198975474
500	144060	-41601.14133	920437.3170205766	39.40267575370398	-100.9465892	332394.6795729566	4363271	14890337	3125.45058631693	296.500761571236	286.500761571236	286.500761571236	96.8791901422127	96.8791901422127
501	144061	-40941.14133	920437.3170205766	39.4026789757472	-100.9442919	332595.7369148254	4363267	13276429	3127.621111267343	296.621111267343	286.621111267343	286.621111267343	97.073362604336	97.073362604336
502	144062	-40281.14133	920437.3170205766	39.40268134832116	-100.9419023	332796.719950531	4363263	11760323	3121.628621924546	296.7172809161742	286.7172809161742	286.7172809161742	97.722809633219	97.722809633219
503	144063	-39621.14133	920437.3170205766	39.402684077989115	-100.9395859	332997.7416622947	4363259	106803129	3123.6718978874527	296.58400390794	286.58400390794	286.58400390794	97.1362457	97.1362457
504	144064	-3896												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBotKrg.ft	SatHtLogKrg.ft	SatHtBotHt.ft
711	14271	96586.85867307335	920437.3170250766	93.40227167382465	-100.4540227	374807.03202307024	6342627.11931538	2781.744095000921	2598.217331859135	2544.539074887249	2570.251051031069	2570.251051031069	27.9662089204145944	
712	14272	96318.85867307335	920437.3170250766	93.40227167382465	-100.4516882	375008.0243966752	6356243.132871823	2777.7104806452178	2597.064403542519	2542.89362596177	2565.316242547519	2565.316242547519	31.770190873171842	
713	14273	96298.85867307335	920437.3170250766	93.40227167382465	-100.449358	375099.0164767517	635418.154010172	2784.958662638157	2598.256968919216	2549.286720305923	2559.262491521654	2559.262491521654	36.67891763726695	
714	14274	96368.85867307335	920437.3170250766	93.40225145	-100.4470194	375104.0044249813	6354215.17534084	2769.6245192148124	2594.8411858531605	2538.437207215906	2548.08471724665	2548.08471724665	38.90636906045695	
715	14275	100208.85867307335	920437.3170250766	93.40224462300297	-100.444685	375611.002601107	6352411.196884048	2765.3901893382	2593.730905333324	2536.307977370335	2553.862176629972	2553.862176629972	39.86874126460314	
716	14276	100958.85867307335	920437.3170250766	93.4022374755993	-100.442506	375811.9920760618	6352407.118261575	2762.9174258373	2593.969170760924	2549.7846894063	2561.1454514483	2561.1454514483	42.838563841771315	
717	14277	101618.85867307335	920437.3170250766	93.402230627026656	-100.440162	376012.886323215	6352400.25459612	2759.189315687294	2591.48886826027	2531.599184034027	2544.587527343934	2544.587527343934	47.04129743323256	
718	14278	102778.85867307335	920437.3170250766	93.402223861399726	-100.437818	376213.975117098	6352399.263	2758.41640462027	2590.398893194933	2529.714278848291	2539.1394643714193	2539.1394643714193	51.239292548074036	
719	14279	102958.85867307335	920437.3170250766	93.40221865079522	-100.435474	376414.96651172978	6352386.28911247	2754.7103052437654	2589.25669682816	2528.413225624193	2534.6558638273596	2534.6558638273596	56.84340425986685	
720	14280	103598.85867307335	920437.3170250766	93.40220973495056	-100.433029	376515.957354841	6352391.30739625	2747.06081	2588.131771635377	2527.549036703392	2531.841033319352	2531.841033319352	60.52973351402498	
721	14281	104258.85867307335	920437.3170250766	93.4022063953735	-100.4306789	376816.948811823	6352387.30026902	2742.35107092524	2587.00380819958	2526.907510663345	2529.887130028394	2529.887130028394	67.11685073364026	
722	14282	104598.85867307335	920437.3170250766	93.40219554795602	-100.428341	377017.9398930279	6352383.35192464	2737.633392812999	2584.674384511671	2526.295267676645	2528.283612296283	2528.283612296283	69.59711683496911	
723	14283	104578.85867307335	920437.3170250766	93.40218356861124	-100.426097	377218.9037172265	6352379.376310505	2734.7562811260591	2584.7422311194746	2525.7149937325635	2527.159723886511	2527.159723886511	75.5820152413906	
724	14284	106238.85867307335	920437.3170250766	93.40218112067299	-100.4236753	377419.92154198163	6352375.39936015	2733.729526150334	2583.606776435258	2524.979514281864	2526.344076170152	2526.344076170152	82.76273040188234	
725	14285	106688.85867307335	920437.3170250766	93.40217336939072	-100.421349	377620.9122	6352371.423199985	2732.632591904739	2582.467351871777	2524.7430640349733	2525.476047633656	2525.476047633656	86.9974171062126	
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ix	iy	Xc	Yc	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtBoth.f			
97	146	144337	-307581.1413	92.0197	31.70250766	39.396681226242315	-01.8873496	251371.3797027006	4365109.372166157	3730.784365494461	321.613259834892	3493.758309606203	3518.43596871609	118.45849580388717	94.17727323628304
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137	146	144437	-281181.1413	92.0197	31.70250766	39.40048742245515	-01.7939809	259415.3929786479	4364945.41856255	3709.5881371850162	3527.4896441216806	3412.699416716562	3385.09549277796	114.7890274502438	142.42970134788447
138	146	144438	-280521.1413	92.0197	31.70250766	39.40050545085138	-01.7916446	259616.4538272908	4364941.32396132	3709.6168223935913	3525.269881630001	3410.11834166587	3391.867234684842	115.151385	133.402646463188
139	146	144439	-279861.1413	92.0197	31.70250766	39.40052507436917	-01.7893781	259817.5610434372	4364937.29812793973	3709.7429427473937	3524.08192195973	3409.7429427473937	3410.11834166587	115.151385	133.402646463188
140	146	144440	-279201.1413	92.0197											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBotKgr.ft	SatHtKgr.ft	SatHtBoth.ft
223	196	144523	-224421.1413	921097.3170250766	39.40197116204063	-101.5932318	276708.6442625987	4364594.019971581	3573.137762510595	3397.420177986794	3313.4739864118914	331.3603626015356	83.94031386767892	86.0598153852839
224	196	144524	-223761.1413	921097.3170250766	39.40198647295072	-101.5908785	276909.7191420051	4364589.542773038	3570.6259073399106	3396.11656972117477	331.1919315480055	330.1222382649624	84.19660113635215	86.89420344679523
225	196	144525	-223191.1413	921097.3170250766	39.40200173876984	-101.5886531	2771.107390277806	4364581.008614515	3568.1212521660457	3393.404934787874	330.815156074585	330.73687441509275	85.48949780142552	86.84548432804669
226	196	144526	-22441.1413	921097.3170250766	39.4020169594289	-101.5862288	2771.131868232321	4364581.789884368	3565.6129969654413	3393.4843290767285	330.1092496240508	330.94379540230778	87.1367053203778	88.49001508017776
227	196	144527	-221781.1413	921097.3170250766	39.4020313513571	-101.5838944	2775.12424663135	4364577.712	3562.058378393652	3392.155207125643	330.5504864310697	330.163834838535	87.702670945317	90.51687574028965
228	196	144528	-221121.1413	921097.3170250766	39.40204727	-101.5815601	2777.1044646611124	4364576.63006862	3557.85775574559	3390.8170925778027	330.8431565087967	330.9573060950181	89.9730360050596	92.6577989
229	196	144529	-220461.1413	921097.3170250766	39.4020631513769	-101.5792527	2779.10500048475	4364569.5982279	3552.8572163169656	3389.4070663453314	329.0544783	329.94521934410482	94.4625307993147	94.9438729993147
230	196	144530	-219801.1413	921097.3170250766	39.4020773915027	-101.5768914	2781.1638173739	4364565.84834045	3548.26555074732	3388.1196739623126	330.21295590966624	330.106946	94.9511405565921	97.04462801721813
231	196	144531	-219141.1413	921097.3170250766	39.40209238675864	-101.5745751	2783.12715879875	4364551.008614515	3544.16010366457	3386.745707874585	330.815156074585	330.73687441509275	85.48949780142552	86.84548432804669
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233	196	144533	-217821.1413	921097.3170250766	39.4021222404931	-101.5698884	2787.1831933971	4364550.75111566	3538.675024859536	3383.98476134138	330.2970735504035	330.1874120938397	100.678659070293	100.678659070293
234	196	144534	-217161.1413	921097.3170250766	39.40213710204946	-101.567554	2789.251868395535	4364549.18194752	3533.38378896645	3382.586663026667	329.10588319219	329.28234254531295	102.4807809344754	100.26211851137123
235	196	144535	-216501.1413	921097.3170250766	39.402151695851	-101.5652197	2791.12583561073	4364545.10697673	3530.9831035413204	3381.17754295279	328.7427609543025	328.8182904253965	102.74959397142657	99.3473688081041
236	196	144536	-215841.1413	921097.3170250766	39.4021666677636	-101.5628823	2793.222606118369	4364541.03207322	3528.74749414997	3379.761730997897	327.9300547527096	328.1893760734623	102.83167624518728	97.86790760403455
237	196	144537	-215181.1413	921097.3170250766	39.4021841150301	-101.560551	2795.232762549529	4364536.36744484	3526.565674443367	3378.34070480463	327.503699592593	328.349027209157	94.9318095848816	94.9318095848816
238	196	144538	-214521.1413	921097.3170250766	39.40219609113841	-101.5582166	2797.2444700883	4364532.883284156	3527.358175547295	3376.914442732683	327.996021369445	328.486960878227	102.9183603824374	92.0454820964128
239	196	144539	-213861.1413	921097.3170250766	39.4022072568265	-101.5558823	2799.25186736187	4364528.809	3524.654931924685	3375.482655464987	327.44994859725	328.70323880489	102.9307866677367	88.7794195855039
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242	196	144542	-211881.1413	921097.3170250766	39.4022543368716	-101.5488792	2805.29264582893	4364516.58781987	3512.3376349634	3371.14156075523	326.8.946738	328.7447275394157	102.1948774277125	92.69430161133664
243	196	144543	-211221.1413	921097.3170250766	39.40226881294598	-101.5465448	2807.301203189137	4364512.514525498	3510.28022219444	3369.67884391838	326.8084584049093	326.8044098842703	101.59193554791267	93.0417545915267
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245	196	144545	-209901.1413	921097.3170250766	39.40229738295968	-101.5418815	2811.4582915288	4364504.388428496	3508.9910387807147	3367.4243953757164	326.815156074585	327.947504710713	101.182322102532	93.27066634218991
246	196	144546	-209241.1413	921097.3170250766	39.40231190441016	-101.5395418	2813.33131339601	4364500.25596942	3510.137247595189	3365.223874400234	326.8267863148264	327.1021732079628	100.3970857311967	95.102143800605
247	196	144547	-208581.1413	921097.3170250766	39.402326178754066	-101.5372074	2815.384312146222	4364497.232164062	3508.360490303663	3363.25216436364	326.352572280575	326.75926139110	100.46508502520053	97.9926102525053
248	196	144548	-207921.1413	921097.3170250766	39.4023404747558	-101.5348731	2817.351450874477	4364492.150380814	3507.847233087273	3362.211996154251	326.20155965623417	326.1486961399596	100.062569190953	99.0633001
249	196	144549	-207261.1413	921097.3170250766	39.40235459110555	-101.5325387	2819.306230193134	4364487.8709700191	3506.3397587979716	3360.823980535347	325.88328540288135	326.0384052681346	100.8604402456128	100.312799182401
250	196	144550	-206601.1413	921097.3170250766	39.40236872943975	-101.5302043	2821.371589649516	4364484.06721789	3504.90718654356	3359.16627726505	325.671011839326	325.7532324	102.88826709257228	101.63044283975469
251	196	144551	-205941.1413	921097.3170250766	39.4023823039079	-101.527878	2823.382659652651	4364479.1038785658	3503.9910387807147	3358.2298655737778	325.4697846582917	325.4697846582917	102.9220386822967	97.72541713841793
252	196	144552	-205281.1413	921097.3170250766	39.40239641	-101.5255356	2825.393643815	4364475.86352041	3503.84483	3357.078387724	325.175138487724	325.1338861171357	105.023267170079	94.73047904714441
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254	196	144554	-203961.1413	921097.3170250766	39.4024248328147	-101.5208669	2829.4186432676704	4364467.721	3503.552719323631	3352.931194680625	324.10673032433	324.10673032433	106.824259562391	106.824259562391
255	196	144555	-203301.1413	921097.3170250766	39.40243834596164	-101.5185325	2831.4234863142	4364463.65071197	3502.610384420253	3351.337627	324.3390453012028	324.3390453012028	107.94719174393185	102.6726034017315
256	196	144556	-202641.1413	921097.3170250766	39.40245261395011	-101.5161981	2833.404004	4364459.679	3500.871042733833	3349.73147047555	324.1827027044367	324.1827027044367	108.5488450331872	108.5488450331872
257	196	144557	-201981.1413	921097.3170250766	39.40246643684682	-101.5138938	2835.4850816510298	4364450.988384869	3498.132556959827	3348.13194689834	323.81473468803017	323.81473468803017	109.958477966027	109.958477966027
258	196	144558	-201321.1413	921097.3170250766	39.4024807465177	-101.5115284	2837.56135647597	4364451.4384154	3496.483074730969	3346.483074730969	323.705165730969	323.705165730969	107.72020538884	107.72020538884
259	196	144559	-200661.1413	921097.3170250766	39.40249493475452	-101.509195	2839.47202915288	4364447.3683876	3495.21922	3344.8478990583	323.517643989373	323.517643989373	108.3241002220989	108.3241002220989
260	196	144560	-200001.1413	921097.3170250766	39.402507349621	-101.5068607	2841.48270085195	4364443.2983546	3494.58494522084	3343.189840070093	323.538488035255	323.718341179437	109.650912403773	109.650912403773
261	196	144561	-199341.1413	921097.3170250766	39.4025212775156	-101.5045263	2843.4936672325	4364439.28238454	3489.9578827968	3341.586293157497	323.15099240150616	323.15099240150616	101.0187151426805	108.681336284558
262	196	144562	-198681.1413	921097.3170250766	39.40253487495322	-101.5021918	2845.50403637763	4364435.19457688	3489.1309714291126	3339.8604407788303	322.9256272772277	322.9256272772277	103.0044562694085	109.8496059042189
263	196	144563	-198021.1413	921097.3170250766	39.4025482729889	-101.4998575	2847.51039385854	4364431.09014305	3488.300748	3338.189371880553	322.8171313294764	322.8171313294764	103.6888343629127	109.8496059042189
264	196	144564	-197361.1413	921097.3170250766	39.40256251935261	-101.4975322	2849.53362932804	4364427.01059194	3483.86723800003	3336.50141896131	322.778852599732	322.778852599732	102.729596316982	108.681336284558
265	196	144565	-196701.1413	921097.3170250766	39.40257693484582	-101.4951918	2851.56135647597	4364418.8834715	3482.546975870147	3335.5646975870147	322.67437432806	322.67437432806	102.4884971706792	108.681336284558
266	196	144566	-196041.1413	921097.3170250766	39.40259188513741	-101.4928544	2853.5845681953715	4364414.8834715	3481.21922	3344.8478990583	323.517643989373	323.517643989373	105.930377354468	105.930377354468
267	196	144567	-195381.1413	921097.317025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRfElevKgs.ft	BRfElevKthg.ft	SatfthKgs.ft	SatfthKthg.ft
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350	146469	-140601.1413	921097.3172050766	39.40354586662779	-121.296764	302243.4652353395	3464077.83582201	3341.3136164176267	3312.8432311087771	3113.856951627097	3108.93537927794	3110.485349046002	3113.7803918102392	
351	146469	-139891.1413	921097.3172050766	39.403546091682	-121.284428	302415.5122854907	3464073.78437921	3338.554345	3320.667871224867	3110.474612891637	3108.91444803072	3110.19371048974282	3112.619104874282	
352	146469	-139281.1413	921097.3172050766	39.40357390066235	-121.290251	302465.5606539693	3464069.733708702	3341.126544607839	3319.350331041713	3109.3603715309107	3108.585393170783	310.286314865023	3112.7617304300373	
353	146469	-138621.1413	921097.3172050766	39.40358348044624	-121.289767	302486.6088482828	3464065.681978745	3341.6996542303177	3318.030932574226	3107.4411776175025	3105.4130447444213	310.58975685623251	3112.7816872890466	
354	146469	-137961.1413	921097.3172050766	39.40358479526285	-121.2874262	303047.6569	3464061.6131238	3342.2767385796	3316.7903421415284	3106.0025688972282	3104.2261	3107.5077324430017	3112.483214021056848	
355	146469	-137301.1413	921097.3172050766	39.4036023671996	-121.2850198	303248.704698275	3464057.58	3341.09837705884	3315.834456450522	3104.606189826527	3103.523118002615	3107.72581852519	3112.804624423737	
356	146469	-136641.1413	921097.3172050766	39.40361169541627	-121.2827375	303489.753227986	3464053.529891627	3342.17575789894	3314.050760796121	3103.187069287626	3102.332316404207	310.86369150849487	3112.8164415691381	
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359	146469	-134661.1413	921097.3172050766	39.40363950042234	-121.275754	304052.894072374	3464041.43260931	3329.265695866234	3310.000128	3098.364222	3098.519642100044	311.63390508360028	3111.480585737358	
360	146469	-134001.1413	921097.3172050766	39.40364879526285	-121.2734196	304253.9403059618	3464037.229933404	3326.140448573427	3308.628978334227	3096.32053834909	3095.0054068433	311.634039948184	311.64692785679429	
361	146469	-133341.1413	921097.3172050766	39.40365817489485	-121.2710851	304454.9870671414	3464034.28844819	3327.2432443631105	3304.1451512008516	3092.60132092585	311.09890316225892	311.8922113385201	311.8922113385201	
362	146469	-132681.1413	921097.3172050766	39.40366906022035	-121.2687507	304656.0348975384	3464029.231165544	3319.828152904319	3305.842714050567	3091.454661547197	3091.05473320055	311.7847605293663	311.74565981290513	
363	146469	-132021.1413	921097.3172050766	39.4036793456055	-121.2664162	304857.08037594537	3464025.162084016	3316.164811104614	3304.424699582108	3088.54763844539	3090.784804394476	311.5877203533326	311.5840027333326	
364	146469	-131361.1413	921097.3172050766	39.40368941604036	-121.264018	305056.1264730324	3464021.133	3313.933065491534	3302.898135881258	3086.282122514469	3094.084562808477	311.7004917036571	311.7004917036571	
365	146469	-130701.1413	921097.3172050766	39.40369839445525	-121.2617473	305259.17239701216	3464017.084526156	3307.821749878453	3301.8333996036957	3081.758682948433	3094.467238	311.7744303188524	311.706616194708567	
366	146469	-130041.1413	921097.3172050766	39.40370280221143	-121.2594129	305460.2190480715	3464013.036	3303.650332653737	3300.051713306849	3078.3593336968274	3093.05305358053	312.6977739502139	310.7040609	
367	146469	-129381.1413	921097.3172050766	39.4037116642738	-121.2570784	305661.26361846284	3464007.987775178	3299.88605727937	3318.55653074497	3075.2162100331643	3080.0818687484	312.3394233743329	312.5537646233741	
368	146469	-128721.1413	921097.3172050766	39.4037204841365	-121.254744	305862.3085234464	3464004.94	3296.56465728032	3319.024632664551	3072.9605170166093	3080.38063960957	312.4606246794177	311.6873053049401	
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370	146469	-127401.1413	921097.3172050766	39.40373786222961	-121.2500751	306284.3905494855	3463996.44161471	3289.897916813953	3318.56531855101	3070.63339813641	3076.98124390046	312.2591973796176	311.7807446249518	
371	146469	-126741.1413	921097.3172050766	39.40374781318185	-121.2477328	306495.4438130815	3463992.6258016	3308.72495899627	3316.7903421415284	3068.263926851586	3075.178925342725	312.18856062386	311.684474632998	
372	146469	-126081.1413	921097.3172050766	39.40375530177104	-121.2454092	306656.48383704296	3463988.794247117	3305.410551782597	3319.528304384692	3068.13639421471175	3082.77754705809	312.18856062386	311.684474632998	
373	146469	-125421.1413	921097.3172050766	39.40376383867191	-121.2430717	306857.52377153603	3463984.702	3275.7472651742582	3318.7953730244474	3068.602256468879	3087.2914317424413	312.1924723745401	311.7057700591529	
374	146469	-124761.1413	921097.3172050766	39.40377408472738	-121.2407373	307068.577066705	3463980.65498009	3307.756735691586	3318.016054073502	3086.1749515014317	3086.397470324776	310.6527991847263	311.684474632998	
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377	146469	-122781.1413	921097.3172050766	39.40379781318185	-121.2337338	307671.7867818896	3463968.516118258	3324.962821614993	3318.56531855101	3078.789757584157	3075.178925342725	312.18856062386	311.684474632998	
378	146469	-122121.1413	921097.3172050766	39.40380917794222	-121.2314995	307894.008543331	3463964.47002634	3326.240348309367	3317.78145137830946	3078.33230150738	3075.178925342725	312.18856062386	311.684474632998	
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380	146469	-120801.1413	921097.3172050766	39.40382277591006	-121.2267306	308274.8383	3463956.37855128	3325.564678008433	3317.394967	3070.777439681855	3070.29019682304	310.64712227618044	310.64712227618044	
381	146469	-120141.1413	921097.3172050766	39.40383100725242	-121.2243961	308465.8811512649	3463952.33103631	3328.668861871812	3317.7327203588745	3068.0727173946693	3067.656153719027	310.2245196442052	310.2245196442052	
382	146469	-119481.1413	921097.3172050766	39.40383919350039	-121.2220616	308676.9238379924	3463948.78537325	3324.8074674383216	3317.158417340216	3065.279708056752	3064.9437052767817	310.2245196442052	310.2245196442052	
383	146469	-118821.1413	921097.3172050766	39.40384732453579	-121.2197272	308877.9665049194	3463944.224005404	3327.106871805853	3316.881781254383	3062.239168238884	3062.01922993836	310.2245196442052	310.2245196442052	
384	146469	-118161.1413	921097.3172050766	39.40385473011314	-121.2173287	309079.008543331	3463940.19795662	3329.584726474356	3315.9619121786796	3054.9619121786796	3054.9619121786796	310.2245196442052	310.2245196442052	
385	146469	-117501.1413	921097.3172050766	39.40386348167789	-121.2150583	309286.758018714453	3463936.45031348	3325.063291	3314.58473277073	3055.738244	3055.738244	310.2245196442052	310.2245196442052	
386	146469	-116841.1413	921097.3172050766	39.4038717845817	-121.2127238	3094081.0927218571	3463932.10869674	3324.5415001967235	3316.2515060401933	3053.225201720399	3052.7780967136187	310.02630432579417	310.02630432579417	
387	146469	-116181.1413	921097.3172050766	39.40387948432403	-121.2103894	309682.13475833	3463928.06462713	3325.738639274032	3315.952327402383	3053.275540467956	3052.649543404173	310.02630432579417	310.02630432579417	
388	146469	-115521.1413	921097.3172050766	39.40388734005528	-121.2080549	309883.1760451485	3463924.02087296	3325.654709925418	3315.6730176587854	3053.06170508393	3052.649543404173	310.02630432579417	310.02630432579417	
389	146469	-114861.1413	921097.3172050766	39.40389253459238	-121.2057204	310084.2174234867	3463919.767483175	3325.987979233414	3315.289512218168	3056.876022128961	3068.480431616385	310.02630432579417	310.02630432579417	
390	146469	-114201.1413	921097.3172050766	39.4039030004601	-121.203386	310238.561884775	3463915.93110865	3325.48649209578	3315.923545757235	3077.463424609578	3077.463424609578	310.02630432579417	310.02630432579417	
391	146469	-113541.1413	921097.3172050766	39.4039150781318185	-121.2010389	310462.961174834	3463911.58724834	3326.1587265827	3315.878769170815	3078.33230150738	3075.178925342725	312.18856062386	311.684474632998	
392	146469	-112881.1413	921097.3172050766	39.4039265578576	-121.198717	310687.3404513006	3463907.84640515	3324.75473573138	3314.7813675896	3070.40352233274	3071.288475805639	312.18856062386	311.684474632998	
393	146469	-112221.1413	921097.3172050766	39.4039326599544	-121.1963826	310888.3810895825	3463903.40347063	3324.2447364048146	3314.782906191936	3112.447545445653	3114.195544191692	312.18856062386	311.684474632998	
394	146469													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLgtsKrg.f	BRIEVBolthrg.f	SatHtKrg.f	SatHtBoth.f
475	14776	-5801.14133	921097.3170250766	39.404403405133316	-101.0049653	327373.1024	4363572.96	3122.598056578187	2993.33134938999	2909.069687402056	2909.306863264891	84.18616174297341	84.62248615210803	
476	14776	-5744.14133	921097.3170250766	39.404447352451486	-101.0026028	327574.128384594	4363568.933316474	3126.662920614081	2992.567135622229	2908.251287117606	2908.3524672588989	83.40603224481893	84.16943773232638	
477	14776	-5681.14133	921097.3170250766	39.40441125467416	-101.0029263	327755.154180936	4363564.90178936	3130.727865458524	2991.4011192278584	2908.186243252004	2908.2416042523685	83.12391162203685	84.15891110248889	
478	14776	-5612.14133	921097.3170250766	39.4044111801356	-100.9979158	327976.17928541	4363560.881242607	3134.702584856897	2990.132284873674	2906.919549	2905.962342584066	83.12173578637838	84.16943272887723	
479	14776	-5561.14133	921097.3170250766	39.404418923833035	-100.9956173	328177.2052847601	4363556.856	3138.082142967184	2988.8603854464286	2905.090441048991	2904.3244877115582	83.76994343974301	84.1879667487307	
480	14780	-5480.14133	921097.3170250766	39.4044269076921	-100.9932828	328378.256827702	4363562.829979144	3140.59622977658	2987.585238	2903.412868230916	2902.7899540015683	84.85624236426268	84.85624236426268	
481	14780	-5431.14133	921097.3170250766	39.404426412609894	-100.9909483	328579.2597134876	4363548.4066828019	3150.290266679082	2991.902966790782	2901.902966790782	2901.902966790782	83.9743194831091	85.02347802818056	
482	14782	-5349.14133	921097.3170250766	39.4043009935767	-100.9886138	328780.28067711886	4363544.779515225	3145.642503049474	2986.04662262786	2900.348968471466	2900.348968471466	84.63909597913198	85.12612501431309	
483	14782	-5281.14133	921097.3170250766	39.4044321204071	-100.9869793	328981.3047338682	4363540.45584423	3146.400804945524	2986.04662262786	2900.348968471466	2900.348968471466	84.7978414541028	84.7978414541028	
484	14784	-5216.14133	921097.3170250766	39.40443731	-100.9838448	329122.130103452	4363536.729564379	3147.432975448739	2982.481917441435	2987.162196804317	2987.162196804317	85.161441431305	85.2880044066723	
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486	14786	-5084.14133	921097.3170250766	39.4044435383038	-100.9792758	329584.3786848694	4363528.680996356	3136.516225357079	2979.847236102734	2984.7387993401976	2984.81028086019	85.10843676253626	85.2290324254313	
487	14786	-5018.14133	921097.3170250766	39.4044477966473	-100.9769413	329785.402996166	4363524.657	3135.007783876295	2979.333100935195	2983.6116343439433	2983.441108903624	85.167655408625	85.09220141315713	
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490	14790	-4820.14133	921097.3170250766	39.40455787967684	-100.9699378	330388.4742936963	4363512.58568903	3134.840310067604	2974.539852568262	2984.555407388704	2984.598756466575	79.9843511965319	79.9843511965319	
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492	14792	-4688.14133	921097.3170250766	39.40464376551644	-100.9652888	330790.521168485	4363504.539420384	3137.72779361971	2971.839457	2982.5521451428294	2982.589712460081	79.2526601366987	79.2526601366987	
493	14793	-4622.14133	921097.3170250766	39.40467562745646	-100.9629343	330991.544380071	4363505.516318601	3137.612777663003	2970.480124695571	2989.508421323535	2989.391728667481	81.08833968215273	81.08833968215273	
494	14794	-4556.14133	921097.3170250766	39.4044706824004	-100.9605998	331192.567282817	4363496.49339398	3141.614815064215	2969.117259018045	2984.699337215914	2984.50011689188	84.417232692553	84.613243285715	
495	14795	-4490.14133	921097.3170250766	39.4044737384685	-100.9582653	331393.5901	4363492.471	3140.3554505728945	2967.752418771232	2879.223891479473	2878.986139575572	85.5285249769796	86.78627740160029	
496	14796	-4424.14133	921097.3170250766	39.4044762874505	-100.9559308	331594.6173884715	4363488.448750815	3135.891797089043	2966.36655753997	2847.48479537345	2847.26125850161	85.527196455455	82.1779245939808	
497	14797	-4358.14133	921097.3170250766	39.404486965656	-100.9536983	331795.63269157	4363484.822891218	3139.212986519179	2965.801164815672	2848.16481568572	2848.16481568572	84.949213249255	84.949213249255	
498	14798	-4292.14133	921097.3170250766	39.40448278428161	-100.9512618	331966.653389304	4363480.40470875	3126.96581121332	2963.652181591644	2868.06873466572	2867.338444471175	85.5834412492218	85.71737372	
499	14799	-4226.14133	921097.3170250766	39.404489844194	-100.9489273	332197.6799363258	4363476.382899227	3126.275177030173	2962.287406828128	2865.7378942725363	2865.623602124854	85.5849021052943	86.66380407564338	
500	14800	-4160.14133	921097.3170250766	39.4044885942666	-100.9465928	332398.7016847312	4363472.36147026	3122.3744683171	2962.062332309107	2864.365452603836	2864.319898	85.5608797051237	86.0644044662292	
501	14801	-4094.14133	921097.3170250766	39.4044913735574	-100.9442583	332599.7235172717	4363468.304151083	3123.29376332516	2959.570563467725	2863.414663897429	2863.406026375124	85.56987102333	86.12995722726009	
502	14802	-4028.14133	921097.3170250766	39.40449415419053	-100.9419328	332800.7452775694	4363464.319	3121.373064348797	2958.214879154794	2862.077457724703	2862.044426770036	85.14374214300915	86.17767115	
503	14803	-3962.14133	921097.3170250766	39.4044969826975	-100.9396863	333001.766778986	4363460.28114814	3119.212986519179	2956.880170720911	2860.262354568967	2860.262354568967	85.5287077652182	86.617965882694	
504	14804	-3896.14133	921097.3170250766	39.4044995857027	-100.9373457	333202.781155917	4363457.77388215	3118.847318491819	2954.8521771852	2858.35911146205	2858.35911146205	85.5287077652182	87.332497289625	
505	14805	-3830.14133	921097.3170250766	39.404502208118624	-100.9354923	333403.809286613	4363452.25688192	3117.4807549176394	2952.4229050306	2856.62139664252	2856.497649	85.5100484774175	87.7252509733611	
506	14806	-3764.14133	921097.3170250766	39.40450480526761	-100.9325858	333604.83043120014	4363448.23666754	3116.114148	2952.907180243346	2855.70084849702	2855.635600525846	85.2063317346441	87.267519701361	
507	14807	-3698.14133	921097.3170250766	39.40450735192272	-100.9302513	333805.8511651864	4363444.216	3114.807427363007	2951.599662685627	2855.0853658545	2855.135421762489	85.501027	85.501027	
508	14808	-3632.14133	921097.3170250766	39.40450985618217	-100.9279718	334006.8718562618	4363440.19633766	3113.560581157624	2950.299258700334	2854.363539442533	2854.363539442533	85.9165730268079	85.9165730268079	
509	14809	-3566.14133	921097.3170250766	39.404512354583	-100.9255823	334207.892396514	4363436.177	3112.31373331234	2949.04393205003	2853.44647478402	2853.44049396885	85.50412841079829	85.50412841079829	
510	14810	-3500.14133	921097.3170250766	39.40451472941402	-100.9232478	334408.9125705071	4363432.15731079	3110.421438019179	2947.713902200549	2851.41430811296	2851.41430811296	85.50412841079829	85.50412841079829	
511	14811	-3434.14133	921097.3170250766	39.404517093584	-100.9209133	334609.9329624854	4363428.13799788	3108.514628144846	2946.425998087571	2851.229129254883	2850.30058679684	85.19668933022954	85.12594047078281	
512	14812	-3368.14133	921097.3170250766	39.40451942263114	-100.9185788	334810.9330897595	4363424.11889776	3104.65935150636	2945.138707	2849.902575596846	2849.73004087605	85.236179381155	85.4066605891156	
513	14813	-3302.14133	921097.3170250766	39.404521701404104	-100.9162443	335011.972894743	4363420.0995742	3100.78942125635	2943.849875489048	2848.410393118124	2848.35920590857	85.4398237097084	85.4398237097084	
514	14814	-3236.14133	921097.3170250766	39.40452380472916	-100.9139098	335212.992619923	4363416.018262415	3096.941549162125	2942.57428586014	2846.559503049064	2846.731964032308	85.99292554	85.99292554	
515	14815	-3170.14133	921097.3170250766	39.404526123319016	-100.9115753	335410.4118429024	4363412.0672301	3092.9121327326703	2941.259418681845	2844.71239254436494	2844.1057956899184	86.733942153511	87.1102954687007	
516	14816	-3104.14133	921097.3170250766	39.404528662911	-100.9092408	335615.03158975905	4363408.04442133	3088.713045072397	2939.94500372397	2842.08453703049	2841.782260134788	87.8735495708719	86.171732601784	
517	14817	-3038.14133	921097.3170250766	39.4045312931067	-100.9069382	335816.03436856	4363404.21834987	3086.713045072397	2937.94188093478	2840.21168127599	2840.21168127599	85.336961349824	85.336961349824	
518	14818	-2972.14133	921097.3170250766	39.40453418151355	-100.9045718	336017.069911951	4363400.4342239	3083.71377313504	2937.05298434707	2837.08457307077	2836.92053924463	87.20475487	87.20475487	
519	14819	-2906.14133	921097.3170250766	39.404534462720275	-100.9022373	336218.0888455657	4363396.990714573	3076.95385625973	2935.937807198276	2836.3796189062095	2836.294021942824	85.9581829361806	86.94437826	
520	14820	-2840.14133	921097.3170250766	39.4045363983132	-100.8999028	336419.107611069	4363392.97203610	3074.931585025677	2934.569231024345	2835.584064894525	2835.395139170163	85.9851861298139	89.21008710732858	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRLElevKgr.ft	BRLEvBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
600	196	144901	25058.8586730335	921097.3170250766	39.4054563873399	-100.710908	532701.1178	4383067.219695999	2972.762162259819	W75.4295376070356	2726.898081869394	2719.4494826319046	55.800545800646214	65.98005538313101
602	196	144902	25117.8586730335	921097.3170250766	39.40545390359069	-100.7084735	532902.12416405906	4383063.2186987765	2971.6316821777295	W75.42952615881424	2723.78169175231963	2720.3191957420236	68.179935846118836	63.17015004943541
603	196	144903	25178.8586730335	921097.3170250766	39.40545216415166	-100.7069139	533103.13042591	4383059.217697023	2968.980497154676	W75.429518293053	2715.7885192695162	2715.7885192695162	65.888629469595628	65.7888191548363
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609	196	144909	30338.8586730335	921097.3170250766	39.4053049610701	-100.682132	534309.1659157519	4383035.216763387	2960.9794989692855	W77.8422689916774	2690.858923914781	2708.7573918953636	75.8466510203134	64.0478910724147
610	196	144910	30998.8586730335	921097.3170250766	39.4052802597387	-100.6807975	534510.1726075636	4383031.217261276	2960.1745145745643	W77.86382821172	2690.9511589834267	2703.939255972563	79.512252973331	63.92424315591573
611	196	144911	31658.8586730335	921097.3170250766	39.40526265	-100.678463	534711.17541722587	4383027.217568841	2959.8560084820296	W76.506308650793	2690.387696659224	2707.63086550793	75.58080418	58.276291888988
612	196	144912	32318.8586730335	921097.3170250766	39.4052407629245	-100.6851285	534912.1800724983	4383023.21856071	2959.334447396584	W76.5319655007033	2690.013074655546	2711.5720454742334	73.2401129536124	52.3811560063782
613	196	144913	32978.8586730335	921097.3170250766	39.4052184549619	-100.682794	535113.185257014	4383019.22	2958.7992044190357	W76.5020951626184	2689.35869685867	2710.60045959908	72.6100814049691	51.4065450265761
614	196	144914	33638.8586730335	921097.3170250766	39.405195660422	-100.6804595	535314.1899668968	4383015.212249494	2958.263953198445	W76.5060575464622	2688.65044121952	2706.96571763954	71.4076157634954	51.2764008988436
615	196	144915	34298.8586730335	921097.3170250766	39.4051724861655	-100.678125	535515.159439273	4383011.2247568	2958.699399125445	W76.513405017694	2707.371980439655	2708.785118547893	70.402697221984	51.74893201319446
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617	196	144917	35618.8586730335	921097.3170250766	39.4051247135414	-100.673456	535917.202584348	4383003.23638699	2947.510004925663	W75.428925386546	2685.620383066234	2696.40586386595	68.6691374242028	58.8923285504195
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619	196	144919	36938.8586730335	921097.3170250766	39.4050751379091	-100.668787	536319.214223384	4382995.230726583	2938.911610094007	W75.406384320556	2682.856670708057	2683.685162126485	67.6071766213072	66.7722810317102
620	196	144920	37598.8586730335	921097.3170250766	39.4050496724201	-100.6664255	536520.215297389	4382991.23220263	2939.0410181319	W75.4608190647248	2681.44801836651	2680.765431437923	67.1128013174237	67.795385161578
621	196	144921	38258.8586730335	921097.3170250766	39.4050237568118	-100.664118	536721.219032769	4382987.23591649	2934.025990495237	W74.6659091086476	2679.945015124438	2686.959010863716	66.7208097842127	64.890959984972
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ix	iy	ic	X.rrt	Y.rrt	Latitude	Longitude	UTM.X	SurfElev.	W.Ln.	BREIElevKrg	BREIElevKrg	SurfThLg	SatThBotH
727	196	145027	11828.85867307335	92.0197	31.70250766	39.40397193405962	-100.166626	378026.8714063968	4326564.651497237	2732.7204352962412	2579.8419514752964	2522.82980727165	50.182708143126
728	196	145028	10868.85867307335	92.0197	31.70250766	39.40396451730762	-100.144321	378227.86150122405	4326560.574954346	2732.5642622896043	2578.684421400004	2522.8716023678786	56.01261932725524
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731	196	145031	110858.85867307335	92.0197	31.70250766	39.40394196648328	-100.4073247	378830.83108807023	4326548.748881346	2731.008730120263	2575.166003198776	2518.877851046339	56.42746768117325
732	196	145032	111518.85867307335	92.0197	31.70250766	39.4039433935264	-100.404902	379031.82071849314	4326544.737342783	2728.66331081476	2573.972656940284	2515.0183216755113	55.2979167056603
733	196	145033	112178.85867307335	92.0197	31.70250766	39.40392676	-100.4026558	379232.8100323288	4326540.798464978	2726.317532	2572.78651176139	2510.96126765253	55.11596565101371
734	196	145034	112838.85867307335	92.0197	31.70250766	39.403919680762	-100.4003213	379433.79963278136	4326536.36354659	2723.97192320373	2571.5743750045002	2507.09431763339	55.2504721031214
735	196	145035	113498.85867307335	92.0197	31.70250766	39.403911337893254	-100.397898	379634.76891705887	4326532.849642294	2723.671247868887	2570.873823982894	2503.6623927113314	55.29362219489686
736	196	145036	114158.85867307335	92.0197	31.70250766	39.4039053689437	-100.3956524	379835.7780673995	4326528.876426991	2722.454783177196	2569.1532064103506	2500.605427303245	55.2907235230094
737	196	145037	114818.85867307335	92.0197	31.70250766	39.40389573280976	-100.3933179	380036.7671408947	4326524.904510031	2722.159708288485	2567.967890485385	2498.23236276714815	55.293767069702
738	196	145038	115478.85867307335	92.0197	31.70250766	39.403878956307	-100.3909835	380237.7560808951	4326520.29639808	2721.903393130976	2566.80904205283	2496.7368819698354	55.29716003847038
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740	196	145040	116788.85867307335	92.0197	31.70250766	39.40387198903796	-100.3863145	380639.73317479443	4326512.97862222	2717.431750514914	2564.5876629335658	2496.762245942475	55.294974047183377
1	197	145041	37094.1413	92.7573	31.70250766	39.3962896574443	-102.114579	382088.2997387057	4326506.65539471	3399.2189786587	3655.8974370126843	3656.47166852871	62.82061238780036
2	197	145042	37028.1413	92.7573	31.70250766	39.39624016713396	-102.109128	382259.4583054826	4326501.3871	3938.898684354944	3737.840277770494	3649.165792642126	68.8824331
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4	197	145044	36896.1413	92.7573	31.70250766	39.396145507075	-102.1044556	382671.7146434895	4326493.12333568	3942.209992481191	3735.019702869477	3653.6255765318083	68.5122529710385
5	197	145045	36830.1413	92.7573	31.70250766	39.396097865959	-102.1021214	382872.8624147276	4326489.20370445	3945.630742486374	3733.2071580686187	3653.390230626529	68.5185537349877
6	197	145046	36764.1413	92.7573	31.70250766	39.39603484917457	-102.0997873	383073.96992106375	4326484.89840575	3948.05095314647	3732.306119	3655.5280221475714	68.52620568
7	197	145047	36698.1413	92.7573	31.70250766	39.39419944055979	-102.0974532	383275.0716724074	4326480.78672665	3952.2838119828984	3730.9031151612744	3653.74148704818696	68.5168249324223
8	197	145048	36631.1413	92.7573	31.70250766	39.3962896574443	-102.0951197	383476.2241395544	4326476.65539471	3956.402593851753	3729.438354795086	3651.2228706554406	68.5166622350598
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18	197	145058	35971.1413	92.7573	31.70250766	39.39669302	-102.0717778	385487.479067197	4326435.452314615	3948.9334674418774	3715.0786747418874	3647.899446477455	68.51620424919677
19	197	145059	35906.1413	92.7573	31.70250766	39.3997175234365	-102.069437	385688.6039101102	4326431.331299	3945.96168376136	3713.6214607309274	3645.100947513649	68.516267748987
20	197	145060	35840.1413	92.7573	31.70250766	39.399742058376	-102.0671096	385890.731203968	4326427.2152446	3948.050953043663	3712.673466499224	3642.2911530227808	68.5164291449006
21	197	145061	35774.1413	92.7573	31.70250766	39.399675684689	-102.064754	386000.850679325	4326423.95	3938.057379243321	3710.722053495255	3638.71347892735	68.51638484888419
22	197	145062	35701.1413	92.7573	31.70250766	39.399729060113	-102.0624413	386219.974162515	4326420.1978141	3936.402593851753	3709.484617040574	3637.7359849214076	68.517329713764019
23	197	145063	35642.1413	92.7573	31.70250766	39.39981534089831	-102.0601072	386493.989719525	4326416.858426055	3932.801827335496	3707.86051134955	3633.778515	68.51703629119948
24	197	145064	35576.1413	92.7573	31.70250766	39.39983969101056	-102.057773	386694.2197150732	4326410.7228142	3929.147117300581	3706.46162508049	3630.19947425436	68.51703629119948
25	197	145065	35501.1413	92.7573	31.70250766	39.399863301932	-102.0554389	386896.3428830596	4326406.42324904	3925.992407275666	3705.078578459645	3626.9724476789875	68.51638484888419
26	197	145066	35444.1413	92.7573	31.70250766	39.3988819	-102.0531047	387096.4673531798	4326402.50457293	3923.827697244352	3703.71698628508	3623.90901793285	68.5178698625937
27	197	145067	35378.1413	92.7573	31.70250766	39.39991238560236	-102.0507706	387297.5867262517	4326398.7820493	3919.777123948292	3702.3969046732125	3620.69846045182124	68.51638484888419
28	197	145068	35312.1413	92.7573	31.70250766	39.399936542696	-102.0484364	387498.7054810853	4326394.26981514	3916.811896860305	3717.702544527714	3625.837531322886	68.51638484888419
29	197	145069	35241.1413	92.7573	31.70250766	39.39994896342226	-102.046178	387700.9517618168	4326390.55067947	3914.7193917885	3716.417695147874	3624.7359849214076	68.517329713764019
30	197	145070	35180.1413	92.7573	31.70250766	39.39998489634226	-102.043781	387900.9517618168	4326386.3024713	3908.61729349488	3711.939702674781	3620.19947425436	68.51703629119948
31	197	145071	35114.1413	92.7573	31.70250766	39.400008709764734	-102.041434	388102.0721862105	4326382.91885704	3908.912706465657	3707.428522779685	3608.509723317004	68.5178698625937
32	197	145072	35048.1413	92.7573	31.70250766	39.40013268	-102.039098	388303.19287937463	4326378.20243989	3906.9426465336	3696.26890448944	3605.809261191682	68.51638484888419
33	197	145073	34982.1413	92.7573	31.70250766	39.400560133142	-102.036757	388504.33111411	4326374.68602448	3906.97979050573	3695.134806573334	3603.48545567978	68.51638484888419
34	197	145074	34916.1413	92.7573	31.70250766	39.4008047946748	-102.0344315	388705.433876817	4326369.99911379	3904.013332524696	3694.034438556509	3601.562261174227	68.51638484888419
35	197	145075	34850.1413	92.7573	31.70250766	39.40119421558825	-102.0321978	388966.5538974584	4326365.9398972	3902.266521	3692.924963	3600.006271566494	68.51638484888419
36	197	145076	34784.1413	92.7573	31.70250766	39.40128100544805	-102.029732	389107.6730524131	4326361.3382901	3898.73655448017	3707.877671582403	3598.75255912076	68.51638484888419
37	197	145077	34718.1413	92.7573	31.70250766	39.40015184344594	-102.027429	389308.794848598	4326357.2276311	3900.812760053037	3690.818194138834		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	LatOffLog.ft	SurfBoth.ft	
113	117	14513	-297021.1413	121.7575	171757.0250766	39.40182438188198	-101.8500285	254593.1258875314	4365245.041876635	3721.846384745537	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
114	117	14514	-296361.1413	121.7575	171757.0250766	39.40184465310787	-101.8478942	254794.2299563732	4365240.342086615	3717.365751453903	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
115	117	14515	-295701.1413	121.7575	171757.0250766	39.40186467930457	-101.8453598	254895.3286972845	4365236.842300196	3714.34488618524	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
116	117	14516	-295041.1413	121.7575	171757.0250766	39.401885060234745	-101.8430257	255196.42584831173	4365232.743119473	3709.783610235005	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
117	117	14517	-294381.1413	121.7575	171757.0250766	39.40190519626581	-101.8406914	255397.52466479027	4365228.644360756	3706.22277229936	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
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119	117	14519	-293061.1413	121.7575	171757.0250766	39.4019453222222	-101.8360228	255799.7230014354	4365220.446191383	3701.050238544027	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
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121	117	14521	-291741.1413	121.7575	171757.0250766	39.40198532974387	-101.8315543	256201.9200727003	4365212.492692638	3701.72891554169	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
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123	117	14523	-290421.1413	121.7575	171757.0250766	39.402025056173305	-101.8268687	256604.1167894276	4365204.033144704	3702.6629704057596	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
124	117	14524	-289761.1413	121.7575	171757.0250766	39.4020448551454	-101.8243514	256805.2138712318	4365199.955	3703.513064357455	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
125	117	14525	-289101.1413	121.7575	171757.0250766	39.40206466076195	-101.8220171	257006.31123330962	4365195.85784327	3704.68335854754	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
126	117	14526	-288441.1413	121.7575	171757.0250766	39.402084330931115	-101.8196828	257207.40853474324	4365191.7049893	3705.71233095733	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
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128	117	14528	-287121.1413	121.7575	171757.0250766	39.40212371590268	-101.8150143	257609.002238206	4365183.566	3707.08247170973	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
129	117	14529	-286461.1413	121.7575	171757.0250766	39.40214310809295	-101.81268	257810.698704301	4365179.4696673	3708.689024	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
130	117	14530	-285801.1413	121.7575	171757.0250766	39.40216280609896	-101.8103457	258011.794932606	4365175.3715675	3709.303147720633	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
131	117	14531	-285141.1413	121.7575	171757.0250766	39.40218236541885	-101.8080114	258212.890996901	4365171.27683039	3710.965599	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
132	117	14532	-284481.1413	121.7575	171757.0250766	39.40220182054975	-101.8056771	258413.9867715594	4365167.1807751	3712.454908475591	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
133	117	14533	-283821.1413	121.7575	171757.0250766	39.40222123959168	-101.8033428	258615.0820374167	4365163.08478795	3713.96325161508234	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
134	117	14534	-283161.1413	121.7575	171757.0250766	39.40224065044004	-101.8010085	258816.1770473618	4365158.369037485	3715.245254650774	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
135	117	14535	-282501.1413	121.7575	171757.0250766	39.40226003340851	-101.7986466	259023.8269380878	4365154.249264154	3716.58195638695374	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
136	117	14536	-281841.1413	121.7575	171757.0250766	39.40227921265332	-101.7963399	259218.3674844618	4365150.79825396	3717.98870556822	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
137	117	14537	-281181.1413	121.7575	171757.0250766	39.40229844686901	-101.7940056	259419.4620672676	4365146.30149528	3719.00202886898	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
138	117	14538	-280521.1413	121.7575	171757.0250766	39.40231763956557	-101.7916713	259620.5564123957	4365142.60828183	3720.254796401582736	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
139	117	14539	-279861.1413	121.7575	171757.0250766	39.402336779972934	-101.789337	259821.6058198518	4365138.351768	3721.6825626970963	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
140	117	14540	-279201.1413	121.7575	171757.0250766	39.4023558789105	-101.7870027	260022.7443903328	4365134.41908327	3723.0685708373894	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
141	117	14541	-278541.1413	121.7575	171757.0250766	39.40237482719984	-101.7846742	260223.8269380878	4365130.324786505	3724.458192424736	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
142	117	14542	-277881.1413	121.7575	171757.0250766	39.40239394196119	-101.782341	260423.9314112019	4365126.23082294	3725.8129516971184	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
143	117	14543	-277221.1413	121.7575	171757.0250766	39.402411291	-101.779998	260626.0245785916	4365122.137	3727.26282095077	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
144	117	14544	-276561.1413	121.7575	171757.0250766	39.4024318267067	-101.7776655	260827.117501747	4365118.420126878	3728.631261080526	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
145	117	14545	-275901.1413	121.7575	171757.0250766	39.402450697142136	-101.7753312	261028.2101880463	4365114.9465258	3729.94421283632	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
146	117	14546	-275241.1413	121.7575	171757.0250766	39.4024695252417	-101.7729969	261229.3026385085	4365110.956373417	3731.05223451184	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
147	117	14547	-274581.1413	121.7575	171757.0250766	39.4024883681077	-101.7706626	261430.39465307	4365106.76305152	3732.166537835205	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
148	117	14548	-273921.1413	121.7575	171757.0250766	39.4025074701975	-101.7683282	261631.489	4365102.6704454	3733.27463511122	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
149	117	14549	-273261.1413	121.7575	171757.0250766	39.402526510713327	-101.7659939	261832.578531667	4365097.57779319	3734.38063249438	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
150	117	14550	-272601.1413	121.7575	171757.0250766	39.40254538157146	-101.7636596	262033.6703841104	4365093.48521732	3735.46637746652	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
151	117	14551	-271941.1413	121.7575	171757.0250766	39.402564389109145	-101.7613253	262234.7613564281	4365089.30976696	3736.54838894112	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
152	117	14552	-271281.1413	121.7575	171757.0250766	39.4025834589360	-101.758991	262435.852394537	4365085.30107196	3737.6288890012156	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
153	117	14553	-270621.1413	121.7575	171757.0250766	39.40260260169103	-101.7566667	262636.9431980523	4365081.209	3738.7052648718583	35.79.3109923882516	3467.2267125860995	3481.5458387456924	112.09237317021521	97.77325364255921
154	117	14554	-269961.1413	121.7575	171757.0250766	39.40262153595623	-101.7543232	262838.037670692	4365077.11752675	37					

ix	iy	ic2b	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevWthr.f	SatThgLog.f	SatThgBoth.f	
239	197	145279	-213861.1413	121.7575	173.70250766	39.40402347442001	-01.5559911	279929.8972	4364730.07093627	3528.201688710412	3575.053548327972	3269.139155024924	32.79960506951404	95.91473979887314	95.39293858695686
240	197	145280	-213201.1413	121.7575	173.70250766	39.404038062425974	-01.5535667	2801.301968324697	436475.796764831	3523.237786189142	3373.601101438179	3268.299476888212	32.78809665368127	95.30169374935758	94.79143607436617
241	197	145281	-212641.1413	121.7575	173.70250766	39.404138902044418	-01.5512293	2803.323089051678	436477.9238367105	3522.773883627134	3372.198393772344	3267.5009358941	32.680385818097157	95.87846773007528	95.384266783454
242	197	145282	-211881.1413	121.7575	173.70250766	39.40406710852049	-01.5498878	2805.311004196526	436479.71840941476	3513.3099870095404	3370.6672350994546	3273.548902514275	32.733498406390383	97.1172920597193	94.7112920597193
243	197	145283	-211221.1413	121.7575	173.70250766	39.4040851633168905	-01.5466534	2807.341806672465	436479.71840941476	3510.198906242346	3369.186424454043	3266.558875	32.71423297624113	96.7254084661296	96.717326831621
244	197	145284	-210561.1413	121.7575	173.70250766	39.40405997262491	-01.544229	2809.35760876556	436479.702	3508.943209393012	3368.76957285474	3266.0385719453398	32.7252184614218	101.6581901213416	95.1445738262584
245	197	145285	-209901.1413	121.7575	173.70250766	39.4041033699539	-01.5418946	2811.363210700783	436479.652897054	3507.688914594854	3368.19844005173	3265.2758851549015	32.7128708450016	96.92265885027155	94.91153918077816
246	197	145286	-209241.1413	121.7575	173.70250766	39.40412456562609	-01.5396502	2813.37300480906	436479.51590198845	3506.43046481011	3364.692004810406	3264.59919738525	32.69777204911392	101.10209107188166	94.5917999990476
247	197	145287	-208581.1413	121.7575	173.70250766	39.404138902044418	-01.5372258	2815.338466107596	436483.943722105	3506.13682113378	3362.719839372344	3263.0238581837826	32.67847711730075	95.87846773007528	95.384266783454
248	197	145288	-207921.1413	121.7575	173.70250766	39.40415315952959	-01.5348913	2817.38530052865	436483.943722105	3503.80790240995	3361.564715620219	3260.74072699537	32.60191392568241	95.91392568241	95.384266783454
249	197	145289	-207261.1413	121.7575	173.70250766	39.4041673452222	-01.5325569	2819.40059920811	436483.943722105	3502.476404716035	3360.1242915162097	3258.001583257374	32.60182142351203	102.1263319043632	99.31214916500676
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKsg.ftr	BRElevBothK.ftr	SatHtK.ftr	SatHtBoth.ftr
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371	197	145411	-126741.1413	121757.71720250766	39.40555945259999	-121.2477518	306490.4968395084	4364012.302736635	3300.047370129083	3191.280590293156	3078.800175683673	3080.546617338427	112.4801460947297	110.73392743043023
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401	197	145441	-106941.1413	121757.71720250766	39.40579895840481	-121.1777163	312500.7453532413	4364072.6196484	3246.914935570333	3128.458958983915	3042.596433496904	3083.71871275112324	58.438185577099	58.438185577099
402	197	145442	-106281.1413	121757.71720250766	39.40580624924827	-121.1753818	312701.78103442	4364068.654799535	3250.375127338637	3124.064373331103	3048.96070570148	3085.979318	65.083676096227	65.083676096227
403	197	145443	-105621.1413	121757.71720250766	39.40581348239951	-121.1730472	312902.8236882614	4364061.635997465	3250.375127338637	3124.064373331103	3048.96070570148	3085.979318	65.083676096227	65.083676096227
404	197	145444	-104961.1413	121757.71720250766	39.405820674674767	-121.1707127	313103.8620899768	4364060.5720169	3250.375127338637	3124.064373331103	3048.96070570148	3085.979318	65.083676096227	65.083676096227
405	197	145445	-104301.1413	121757.71720250766	39.40582782603038	-121.1683782	313304.903808273	4364058.5194098	3249.722125613426	3116.7848643355233	3051.60909459902	3051.6224096678325	65.1787737862112	65.1787737862112
406	197	145446	-103641.1413	121757.71720250766	39.40583480131951	-121.1660436	313505.933449466	4364052.49121017	3249.722125613426	3116.7848643355233	3051.60909459902	3051.6224096678325	65.1787737862112	65.1787737862112
407	197	145447	-102981.1413	121757.71720250766	39.40584200000000	-121.1637163	313706.913807018	4364048.41062481	3249.722125613426	3116.7848643355233	3051.60909459902	3051.6224096678325	65.1787737862112	65.1787737862112
408	197	145448	-102321.1413	121757.71720250766	39.4058490319591	-121.1613748	313908.013700178	4364044.1062481	3249.722125613426	3116.7848643355233	3051.60909459902	3051.62240		

ix	iy	ic31	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt	BRfElevKgrg.ft	BRfElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
491	197	14531	-47541.14133	72175.7172025076	39.40627398705654	-100.96760795	330593.52568724384	4383709.76598142	3136.0158349451253	2931.35742905959736	2891.379041506407	82.12713546	82.10552031326743
492	197	14532	-46881.14133	72175.7172025076	39.4062716252966	-100.965273	330794.5487118345	4363705.75309745	3137.7403939702045	2927.132007145879	2889.454880761719	82.6774327164137	82.6774327164137
493	197	14533	-46221.14133	72175.7172025076	39.40628349393263	-100.968814	332001.700822226	4363701.78022226	3138.741782733186	2894.362373979401	2894.362373979401	84.3138447290057	84.3138447290057
494	197	14534	-45561.14133	72175.7172025076	39.40623499338263	-100.960038	331996.5944675165	4363677.30735577	3141.2165248984071	2969.413276840344	2892.180410678528	87.0653097573126	87.2328706905638
496	197	14535	-44901.14133	72175.7172025076	39.40628659	-100.9582693	331397.8170645135	4363683.684694794	3140.13027222867	2967.005748571608	2877.683709107646	87.30570394636188	87.30570394636188
496	197	14536	-44241.14133	72175.7172025076	39.4062963544958	-100.955347	331598.635	4363689.66214681	3141.312594344283	2966.686798341316	2873.594454757554	93.09242506777413	93.09242506777413
497	197	14537	-43581.14133	72175.7172025076	39.40629235835789	-100.9536002	331799.6917716001	4363685.680887755	3142.31221197507207	2967.779903306627	2870.581527	94.54266314635587	94.74102478820869
498	197	14538	-42921.14133	72175.7172025076	39.40629559112947	-100.9512566	332000.689	4363681.61797931	3142.312216760497	2963.95834013744	2868.8241433566	98.1341588807412	98.2590858655142
499	197	14539	-42281.14133	72175.7172025076	39.4062958152423	-100.9488914	332001.700822226	4363677.598915113	3143.51097371842	2963.95834013744	2867.1172762245	98.47811580527668	98.47811580527668
500	197	14540	-41601.14133	72175.7172025076	39.4062933642222	-100.9456958	332402.726042893	4363703.57232517	3144.049835100256	2961.234645956456	2865.02267898965	95.2119690757912	95.225697331558
501	197	14541	-40941.14133	72175.7172025076	39.4063041862431	-100.9442619	332603.7492218883	4363695.52572732	3147.5887928886705	2959.87781510341	2865.138827	97.3429877400159	97.3429877400159
502	197	14542	-40281.14133	72175.7172025076	39.4063069132918	-100.9419274	332804.770744415	4363665.531470754	3149.712750677084	2958.525821852484	2863.7840255718761	94.7008968702086	94.7008968702086
503	197	14543	-39621.14133	72175.7172025076	39.4063099113678	-100.9395928	333005.7920820605	4363661.510391572	3151.749598711672	2961.7794688303	2861.894332860215	95.3851348572102	95.3851348572102
504	197	14544	-38961.14133	72175.7172025076	39.40631237584754	-100.9372583	333026.8137915966	4363657.489531474	3148.443412075545	2955.8302150952136	2859.431147112647	96.480876256654	96.480876256654
504	197	14545	-38301.14133	72175.7172025076	39.40631501546149	-100.9349327	333407.8342	4363658.88835556	3151.740872399546	2954.305130690824	2857.1316717269054	97.373513892685	97.6902341
506	197	14546	-37641.14133	72175.7172025076	39.40631760997863	-100.9325892	333608.854069334	4363649.44835707	3153.83827289239	2953.177281206747	2857.0079533294	98.1763217338055	98.167631847406
507	197	14547	-36981.14133	72175.7172025076	39.4063201593896	-100.9302546	333809.876116555	4363645.4208826235	3154.816771123283	2951.855341030307	2856.825715958325	98.9628122268723	98.9628122268723
508	197	14548	-36231.14133	72175.7172025076	39.40632266372245	-100.92792	334010.8909326527	4363641.408007292	3154.073213676287	2950.53435	2856.289189083384	94.40514134719955	94.2452395475172
509	197	14549	-35661.14133	72175.7172025076	39.40632512294911	-100.9255855	334211.9614128291	4363637.381327707	3156.30356823275	2949.225285289942	2855.172449781748	95.0528355	93.9864891782393
510	197	14550	-35001.14133	72175.7172025076	39.40632730778944	-100.9232509	334412.9365710613	4363633.36445857	3157.58809178721	2947.914428191977	2853.947038	97.37012102052759	97.37012102052759
511	197	14551	-34341.14133	72175.7172025076	39.40632906011193	-100.9209184	334613.9566816993	4363629.34885736	3160.100477168673	2946.0055156948071	2852.555156948071	94.089005219022	93.871841439143
512	197	14552	-33681.14133	72175.7172025076	39.40633229061193	-100.9182916	334813.9566816993	4363625.29713337	3160.586603	2945.29547210293	2850.948004504618	95.10647606752	94.22711734
513	197	14553	-33021.14133	72175.7172025076	39.40633498248984	-100.9158598	335029.2252529	4363621.008415444	3161.5894289411	2943.588964386313	2849.4208908044	95.3732611835952	95.3732611835952
514	197	14554	-32361.14133	72175.7172025076	39.406336742529604	-100.9131927	335217.015594791	4363617.297107661	3162.404314024083	2942.668714530274	2847.222161135475	95.4471030845277	95.4471030845277
515	197	14555	-31701.14133	72175.7172025076	39.4063389317538	-100.9115781	335418.034944501	4363613.273010371	3163.131197110246	2941.327729757576	2845.00365	96.4427671926375	96.4427671926375
516	197	14556	-31041.14133	72175.7172025076	39.406341074824015	-100.9092436	335619.054140089	4363609.2543671	3163.88626374476	2940.0191372002523	2842.631872038269	97.38726511698314	97.8429270260374
517	197	14557	-30381.14133	72175.7172025076	39.40634317327598	-100.906909	335820.07178657	4363605.23631842	3164.081262138434	2938.678892380624	2840.08911540307	98.0591808902551	98.0591808902551
518	197	14558	-29721.14133	72175.7172025076	39.40634522663094	-100.9045745	336021.092035465	4363601.21829381	3164.302368651116	2937.316681765204	2838.189224336937	98.1274572915108	98.1274572915108
519	197	14559	-29061.14133	72175.7172025076	39.4063472348984	-100.9022398	336222.11078914216	4363597.202449593	3164.5812474949	2936.388964386313	2837.138747897296	98.373513892685	98.373513892685
520	197	14560	-28401.14133	72175.7172025076	39.40634915895027	-100.8995953	336423.105255987	4363593.1823587	3164.86921528443	2934.50521238487	2834.50521238487	98.7124153423118	98.7124153423118
521	197	14561	-27741.14133	72175.7172025076	39.40635111611462	-100.8975708	336624.1747249694	4363589.156292741	3165.0309665351126	2933.07596516271	2835.067950531263	98.90325904758174	98.90325904758174
522	197	14562	-27081.14133	72175.7172025076	39.40635298908208	-100.8952362	336825.165960779	4363585.16097705	3165.116999	2931.741773986856	2833.761645	98.9802325877538	98.9802325877538
523	197	14563	-26421.14133	72175.7172025076	39.40635481695264	-100.8929017	337026.184043091	4363581.130920375	3165.386109305323	2930.332004418543	2832.065087398634	98.88806201006	98.2584172409901
524	197	14564	-25761.14133	72175.7172025076	39.4063569972633	-100.8905671	337227.2019615355	4363577.114096718	3165.64118990249	2928.895393232486	2831.096185932697	98.712373896517	98.2555489315778
525	197	14565	-25101.14133	72175.7172025076	39.40635834	-100.8882228	337428.2197244939	4363573.09743308	3165.905465495166	2927.48677940138	2828.6612723584726	97.7895658191162	98.3344530103857
526	197	14566	-24441.14133	72175.7172025076	39.4063602928926	-100.885858	337629.2252529	4363569.80979001	3166.1584294411	2927.0447340643	2827.2647340643	98.7323611835952	98.7323611835952
527	197	14567	-23781.14133	72175.7172025076	39.406362176746596	-100.8835634	337830.2547763505	4363565.70470989	3166.410414601133	2924.569024984943	2825.99426819191	98.52590548521665	98.52590548521665
528	197	14568	-23121.14133	72175.7172025076	39.4063637985204	-100.8812829	338031.270565245	4363561.04854958	3166.621860981595	2923.0748485162267	2824.3138957263095	98.7605278991716	98.1863591240242
529	197	14569	-22461.14133	72175.7172025076	39.40636583741421	-100.8788943	338232.289176281	4363557.30274506	3166.82680592297	2921.591130136959	2822.3485524001885	98.26218671420033	98.26218671420033
530	197	14570	-21801.14133	72175.7172025076	39.4063673933443	-100.8765597	338433.3612734586	4363553.017123623	3167.0340031142639	2920.0953964750044	2821.0951320502277	98.0002634477664	98.0002634477664
531	197	14571	-21141.14133	72175.7172025076	39.4063691642881	-100.8742252	338634.322990481	4363549.01613929	3167.28820111775	2918.5872938315796	2819.202287776001	98.15870393877348	98.0002634477664
532	197	14572	-20481.14133	72175.7172025076	39.4063713883539	-100.8718721	338835.39	4363544.96430439	3167.5467624877043	2917.06647520708	2817.351920597281	98.714501080526	98.714501080526
533	197	14573	-19821.14133	72175.7172025076	39.40637349133716	-100.8695858	339036.15525066	4363540.1164647	3167.8156951221292	2915.6169021164647	2815.6169021164647	98.8801490404051	98.8801490404051
534	197	14574	-19161.14133	72175.7172025076	39.40637497133224	-100.8672215	339237.372503705	4363536.9545589	3168.07762680988	2914.485904340023	2814.26416346607	98.9530576485979	97.7384971
535	197	14575	-18501.14133	72175.7172025076	39.406376233384076	-100.864889	339438.3886947426	4363532.9418274515	3168.3416041445587	2912.424174950773	2813.113385218455	98.2186985113761	98.9170869839179
536	197	14576	-17841.14133	72175.7172025076	39.40637445517076	-100.8625524	339639.407420456	4363529.367397585	3168.503835406221	2910.84846747821	2811.95680376277	98.8156037154381	98.0980581
537	197	14577	-17181.14133	72175.7172025076	39.40637567196506	-100.8602178	339840.4260103836	4363524.913112611	3168.74527352684	2909.25670428152	2811.056863379864	98.199380782828	98.3175627284143
538	197	14578	-16521.14133	72175.7172025076	39.40637682338237	-100.8578832	340041.436346094	4363520.89095961	3169.07707963476	2907.648118580089	2810.28082	98.1024628125276	98.47129045481308
539	197	14579	-15861.14133	72175.7172025076	39.40637769292256	-100.855487	340242.451930336	4					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatThiBothKrg.ft	SatThiBothKrg.ft
617	197	145657	35616.8586730335	721757.3170250766	39.40632528	-100.6734529	555921.2046183484	4383200.241423608	2950.350680886107	274.866455432411	2686.6350737423704	2697.702759861839	68.2313816904051	57.16399540750184
618	197	145658	36278.8586730335	721757.3170250766	39.4063226226376	-100.6711183	556122.20856062474	4383200.433739056	2946.380431352493	2752.3663247709577	2685.007530030296	2692.2044645521677	67.9667177661185	60.75918024879002
619	197	145659	36938.8586730335	721757.3170250766	39.406320321189384	-100.6687638	556239.23226789843	4383176.428561074	2958.26716294941	2751.3667799756814	2683.23861722091	2687.588172802978	67.83678667573407	63.67866197836361
620	197	145660	37598.8586730335	721757.3170250766	39.40631777465186	-100.6664492	556302.2160290951	4383192.477893941	2940.4736090084616	2749.1765374008146	2684.6614100842636	2677.1919619004364	68.1521421009634	67.7219619004364
621	197	145661	38258.8586730335	721757.3170250766	39.40631518300341	-100.6641146	556275.2555529674	4383188.434044161	2937.859167527629	2747.2943071591157	2679.626579827105	2685.40332343336	67.6772787194122	61.89093638461806
622	197	145662	38918.8586730335	721757.3170250766	39.40631254063028	-100.6617801	556268.2229431551	4383164.43198752	2935.244728417553	2745.420854588767	2677.841305363826	2683.961257389054	67.5321405238422	61.5949720286646
623	197	145663	39578.8586730335	721757.3170250766	39.40630986448361	-100.6594455	557127.22198280747	4383180.46151037	2932.2616675157423	2745.558928033601	2675.983243382491	2678.911844928626	67.57266402714321	64.6403203375914
624	197	145664	40238.8586730335	721757.3170250766	39.40630713756513	-100.657111	557328.2290364917	4383176.439307127	2927.74984539727	2741.700168130681	2674.26392482949	2675.738492494656	67.43620429146225	61.56471782114256
625	197	145665	40898.8586730335	721757.3170250766	39.40630455498585	-100.6547638	557529.23226789843	4383176.428561074	2938.3331197804523	2739.56716294941	2679.5579565482974	2676.739863458973	67.25896667573407	63.67866197836361
626	197	145666	41558.8586730335	721757.3170250766	39.40630155	-100.6524419	557720.2315121437	4383168.445214668	2921.891618276075	2738.0257001741777	2671.5454093867147	2679.37114721429	68.4812072950256	68.6555272847476
627	197	145667	42218.8586730335	721757.3170250766	39.4062988622895	-100.6501073	557831.2378144137	4383164.449679927	2910.04662702747	2736.200558298307	2670.650321778684	2680.698924807564	65.5503415024622	55.507585232174
628	197	145668	42878.8586730335	721757.3170250766	39.40629577892331	-100.6477727	558123.2047349523	4383160.453921035	2919.807386275772	2734.350773624296	2669.391075035969	2680.830994250174	64.95986957032024	53.198741929091
629	197	145669	43538.8586730335	721757.3170250766	39.40629282652086	-100.6454382	558333.2428016654	4383160.458073787	2912.4066947587705	2734.350773624296	2668.061582629456	2683.648759376994	64.3451210931396	48.75793536177116
630	197	145670	44198.8586730335	721757.3170250766	39.40628982902017	-100.6431036	558534.25419005115	4383152.46242256	2912.328266203202	2730.32513491038	2667.150649	2687.458637508304	63.17986467337758	42.8668190469749
631	197	145671	44858.8586730335	721757.3170250766	39.40628676642419	-100.6407691	558738.254734201556	4383148.466976408	2917.39966537994	2728.175554343717	2666.37817225915	2685.23715854934	61.79673714100804	42.93781692578159
632	197	145672	45518.8586730335	721757.3170250766	39.4062838973143	-100.6384345	558936.2493578446	4383144.4747	2913.76107730077	2726.16407714296	2665.404324665856	2685.048260690503	60.61237328709444	40.9682034739876
633	197	145673	46178.8586730335	721757.3170250766	39.40628095641908	-100.6361	559137.2315272633	4383140.47697477	2910.1923880430988	2724.3688270343988	2664.3427755261296	2681.5141324779	59.526051517860196	38.6557871921084
634	197	145674	46838.8586730335	721757.3170250766	39.4062773880554	-100.6337564	559338.2528090752	4383136.481830023	2906.18682682653	2721.7391139054675	2663.041507990856	2678.634617631186	58.967605905914	43.1044631914889
635	197	145675	47498.8586730335	721757.3170250766	39.406274165072645	-100.6314309	559539.2545888715	4383132.4871758	2904.38278139877	2719.628294	2661.2510246289894	2677.263289969244	58.2736931050567	42.364764246126
636	197	145676	48158.8586730335	721757.3170250766	39.40627086999292	-100.6290963	559740.2560615095	4383128.492732244	2903.2412823904691	2717.5349254345875	2658.248561998922	2676.71130526296	58.286394356645	40.82304770159483
637	197	145677	48818.8586730335	721757.3170250766	39.40626767838164	-100.626717	559941.2573987793	4383124.49842836	2902.485682393026	2715.480688212504	2654.8070542817056	2671.521845	58.1001455954462	43.93622343699302
638	197	145678	49478.8586730335	721757.3170250766	39.40626425543525	-100.624272	560124.2580060832	4383120.504	2901.580881619583	2713.3962748428748	2654.32543030042	2668.13276	61.078214526206	45.2640150682744
639	197	145679	50138.8586730335	721757.3170250766	39.40626142745593	-100.621974	560314.2561364471	4383116.49881138	2899.630828282828	2711.3487446787632	2653.258973808233178	2667.7381715887	62.7654002454315	42.71932404612924
640	197	145680	50798.8586730335	721757.3170250766	39.40625737370566	-100.6197581	560544.2606010185	4383112.51630489	2895.50466778769	2709.31133309055	2649.37116693996	2666.701835855928	59.9406543009734	42.60995471377715
641	197	145681	51458.8586730335	721757.3170250766	39.40625388014332	-100.6174235	560745.2614	4383108.523479085	2891.759014	2707.286166168447	2648.004984232398	2663.204944723885	59.827118260514	44.0812173879652
642	197	145682	52118.8586730335	721757.3170250766	39.4062503418331	-100.615089	560946.26032658	4383104.530227218	2888.0134608129	2705.269711504235	2646.402672127756	2661.17831793303	58.86144429145592	40.9413937109215
643	197	145683	52778.8586730335	721757.3170250766	39.40624675772654	-100.6127544	561147.262932164	4383100.537175057	2884.953815932534	2703.261362	2644.728314595345	2664.30655077944	58.844429504026	38.9553930
644	197	145684	53438.8586730335	721757.3170250766	39.40624312887313	-100.6104199	561348.2628934233	4383096.544322416	2882.584061359443	2701.260324676556	2642.815071911312	2663.0594995050096	58.844171765344185	38.2007466274984
645	197	145685	54098.8586730335	721757.3170250766	39.40623964629283	-100.6080768	561549.2635518382	4383092.551699344	2880.21422067748	2699.2657374827948	2640.82184787648	2657.0230717687	58.8438966	38.9553930
646	197	145686	54758.8586730335	721757.3170250766	39.40623573587624	-100.6057508	561750.263587624	4383088.559	2878.343632132	2701.74947671346	2639.7145027148671	2658.1081143871	58.5681017458114	42.11932404612924
647	197	145687	55418.8586730335	721757.3170250766	39.40623197173282	-100.6034162	561951.2633767495	4383084.56961871	2875.291960382707	2695.2948173407385	2638.633225784805	2657.0232260386	58.5694915559333	37.81828458053243
648	197	145688	56078.8586730335	721757.3170250766	39.40622816249272	-100.601817	562152.263296077	4383080.574907454	2872.559196929466	2703.3188557097274	2634.77722291354	2659.0020072534058	58.4401340591946	34.32670456226204
649	197	145689	56738.8586730335	721757.3170250766	39.406224038155956	-100.5987471	562353.262969642	4383076.58302567	2869.82634320668	2691.349898312137	2633.1078513744686	2659.3309356716654	58.4221369646859	31.0195264071717
650	197	145690	57398.8586730335	721757.3170250766	39.4062204872258	-100.5964126	562554.2625670725	4383072.991	2867.09369511867	2689.3879570552024	2631.7570272414214	2659.465956505224	57.6303009910296	29.9184510339777
651	197	145691	58058.8586730335	721757.3170250766	39.40621641419255	-100.5940478	562755.262032014	4383068.99481396	2866.287579444378	2687.432130371083	2630.772260770967	2654.61681108258	57.6303009910296	32.671026285594
652	197	145692	58718.8586730335	721757.3170250766	39.40621247455933	-100.5917434	562956.261364471	4383064.99881138	2865.481620141675	2685.481620141675	2630.772260770967	2654.61681108258	57.6303009910296	32.671026285594
653	197	145693	59378.8586730335	721757.3170250766	39.40620844	-100.5894089	563150.2626550004	4383060.91828195	2864.59748592025	2683.5349071095053	2629.26352632829	2653.683048165816	54.269737307617	29.89862462223778
654	197	145694	60038.8586730335	721757.3170250766	39.40620430022734	-100.5870743	563358.2596348723	4383056.627604717	2869.643031658484	2681.591341457954	2628.535487116633	2653.6831385615366	53.0585974135238	27.77965498438484
655	197	145695	60698.8586730335	721757.3170250766	39.40620023510624	-100.5847398	563559.25862736516	4383052.63112081	2860.09068524331	2679.682478327466	2627.74685587162	2652.680249372468	51.7538925	23.97098595933462
656	197	145696	61358.8586730335	721757.3170250766	39.40619600509313	-100.5824052	563760.257348881	4383048.46556582	2859.70854253276	2677.703181941594	2626.93133804271	2649.804248160806	50.77184317271144	27.89893780787956
657	197	145697	62018.8586730335	721757.3170250766	39.40619184996345	-100.5800707	563961.2565034432	4383044.65595362	2858.009394512122	2675.757098922614	2625.8839032326051	2645.291730909897	48.090666262703	30.46257858262704
658	197	145698	62678.8586730335	721757.3170250766	39.40618789973077	-100.5773661	564162.254974379	4383040.66531562	2856.28446518567	2673.600565336916	2624.41251483333	2642.49718585101	48.7899909336657	31.30384194507809
659	197	145699	63338.8586730335	721757.3170250766	39.4061839734345	-100.5746783	564363.253196716	4383036.65811542	2854.10329165908	2669.871500935958	2620.259514052843	2641.64905450015	46.4169054510583	33.42922513503489
660	197	145701	64658.8586730335	721757.3170250766</										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Ls.	BR ElevKgs.fg	BR ElevBothKgs.fg	SatHtBoth.fg	SatHtBoth.ft
1	19	145783	-369621.1413	1224217.3170250766	39.40113192260875	-102.168822	232474.7182744908	365898.582395464	3935.650591229452	37.35.512137327697	3650.897935526708	84.61420148497182	85.34227204359548
4	198	145784	-369691.1413	1224217.3170250766	39.40115715340798	-102.144488	232675.8406967582	365894.594885034	3938.302752529179	37.34.1734635801	3653.704552346387	84.603118919	81.69942628
5	198	145785	-369701.1413	1224217.3170250766	39.40116236956546	-102.102158	232876.97363396708	365890.576179396	3940.85623704761234	37.32.756832761124	3651.84516471161	78.9092125870222	80.81145801616321
6	198	145786	-369741.1413	1224217.3170250766	39.40127048080482	-102.099917	233071.0046062789	365895.21475483	3955.276981312484	37.31.3689267806785	3655.276812475125	86.352403306828	76.02911405653538
7	198	145787	-3696981.1413	1224217.3170250766	39.40123257686148	-102.097485	233279.2279739015	365882.903582284	3946.931335049333	37.29.478504309564	3653.4007718609434	86.513787314878705	76.54707862511605
8	198	145788	-3696321.1413	1224217.3170250766	39.4012567286976	-102.0951513	233480.55473730382	365893.1971980058	3952.5746325621533	37.28.5746325621533	3652.2273453498958	76.3628085524963	77.88640773
9	198	145789	-3696661.1413	1224217.3170250766	39.40128263	-102.0928172	233681.48123589748	365893.85004148	3954.933435219373	37.27.188198924294	3650.970874825213	76.92119067212648	76.8802826979735
10	198	145790	-365001.1413	1224217.3170250766	39.4013078	-102.090483	233882.607460681	365889.72912202	3958.358331769336	37.25.7544133329963	3648.826572322155	76.89279618016833	76.0634165238306
11	145791	-364041.1413	1224217.3170250766	39.40132535102526	-102.088148	234063.73341160302	365887.508846857	3948.4626770476093	37.24.3367781498651	3648.68315762468	3651.84516471161	78.9092125870222	80.81145801616321
12	145792	-363681.1413	1224217.3170250766	39.40133738097383	-102.0868146	234284.85914896108	365891.48717428	3959.521310811545	37.22.917784453547	3647.514829823137	3647.353735364302	75.397965400273	75.55411059022285
13	145793	-363021.1413	1224217.3170250766	39.40138205373335	-102.0830840	234485.845692626	365857.365704005	3958.57944824329	37.21.408895611413	3646.59865093369	3646.460595916797	74.88732822474412	75.02313000231607
14	145794	-362621.1413	1224217.3170250766	39.40140698701574	-102.0811462	234687.1097721543	365853.246	3957.638173353325	37.20.0513997770377	3646.1334709691473	3646.163618590199	73.7192808789035	74.03478191
15	145795	-361701.1413	1224217.3170250766	39.4014317224093	-102.0788121	234888.23469072307	365849.125783051	3959.5188853655663	37.18.6156121124645	3646.1296343336986	3646.03324185365	72.4859777784591	72.5816879270967
16	145796	-361041.1413	1224217.3170250766	39.4014564127107	-102.0764797	235089.395493393	365845.05729305	3957.642196023111	37.17.777848071546	3646.45913336821	3646.47209850342	70.71864870033369	70.7055742381248
17	145797	-360381.1413	1224217.3170250766	39.40148105793995	-102.0741437	235280.48734743077	365840.858982045	3958.924836895646	37.15.793032010596	3646.9751061093352	3647.0967482300616	68.6426997049396	68.6426997049396
18	145798	-359721.1413	1224217.3170250766	39.4015056057748	-102.0718095	235481.00786704102	365836.762325852	3948.4271873554218	37.14.298968605298	3646.683240087598	3646.879708915823	67.42029511371584	67.42029511371584
19	145799	-359061.1413	1224217.3170250766	39.40153021	-102.0694753	235682.7317343005	365832.64671927	3945.44658042004	37.12.868185537708	3644.347875405516	3646.140012654945	68.3827481273887	68.3827481273887
20	145800	-358401.1413	1224217.3170250766	39.401554723096545	-102.0671411	235893.85533984565	365828.57561062	3947.9777801670225	37.11.42808848521	3641.65376933157	3641.7827835256405	69.77430195356495	69.77430195356495
21	145801	-357741.1413	1224217.3170250766	39.40157918777996	-102.0648069	236094.978833071	365824.409	3938.510122560440	37.10.003843125547	3639.0771811653304	3639.389936402598	70.92302417920342	70.9139067290485
22	145802	-357081.1413	1224217.3170250766	39.40160360777392	-102.0624727	236296.10176533106	365820.289704885	3938.5001423644584	37.08.590315977424	3636.3774107036384	3637.232378797314	72.21200527403037	71.3665717802681
23	145803	-356421.1413	1224217.3170250766	39.4016278248434	-102.0601385	236487.2468589403	365816.170138759	3937.754049738336	37.07.192032012408	3632.990677789895	3635.859595960396	74.269926245444	73.2344781480252
24	145804	-355761.1413	1224217.3170250766	39.4016523110919	-102.0578043	236697.4541256474	365812.052667261	3928.646459776373	37.05.8079020315013	3628.190863645156	3632.66943203098	76.02911405653538	73.13800047
25	145805	-354821.1413	1224217.3170250766	39.4016812858587	-102.0554701	236899.4526354542	365812.052667261	3928.646459776373	37.04.4444444444444	3628.190863645156	3632.66943203098	76.02911405653538	73.13800047
26	145806	-354441.1413	1224217.3170250766	39.4017003810206	-102.0531359	237101.5941812517	365803.816481413	3922.426575296348	37.03.10719005037	3621.825383949186	3629.167351023887	81.28190611	73.9393891819658
27	145807	-353781.1413	1224217.3170250766	39.40172503046995	-102.0508017	237301.7132582004	365799.14963056853	3919.14963056853	37.01.7988205545353	3618.119478973692	3627.442873619284	74.3559417579433	74.3559417579433
28	145808	-353121.1413	1224217.3170250766	39.40174917952095	-102.0484675	237502.8347749391	365795.58104742	3915.704474855504	37.00.519498226937	3614.37419865418	3624.765383785314	76.14207941727591	75.7541154937364
29	145809	-352461.1413	1224217.3170250766	39.40177328384484	-102.0461133	237703.95603143377	365791.46354038	3909.270031397495	36.99.1015933082764	3610.615933382764	3620.449079921872	80.8569339886199	80.8569339886199
30	145810	-351801.1413	1224217.3170250766	39.40179734058945	-102.0437991	237905.077072793	365787.34664192	3908.814163254827	36.98.05122976088	3607.098368677037	3617.481693817946	90.9628427873248	90.9628427873248
31	145811	-351141.1413	1224217.3170250766	39.40182178507926	-102.0414687	238106.19796473575	365783.29478884	3908.958694797976	36.96.906974150013	3604.08476472862167	3611.251791454842	92.8258491274762	91.69574713384457
32	145812	-350481.1413	1224217.3170250766	39.4018454200341	-102.0391397	238307.318341971557	365778.11246904	3908.396237707097	36.94.19230254277	3601.59992040566	3608.950137468887	10291337	10291337
33	145813	-349821.1413	1224217.3170250766	39.401869488679	-102.0367964	238508.4385589723	365774.996112439	3905.916005392618	36.94.568844024075	3599.887048982153	3608.166183277384	94.68179594192225	88.8222596392721
34	145814	-349161.1413	1224217.3170250766	39.4018931265345	-102.0344622	238709.558518637	365770.971524051	3905.445774368133	36.93.4566171729552	3598.70758978481	3604.744237396782	94.7490273844718	88.98223938
35	145815	-348501.1413	1224217.3170250766	39.40191696233406	-102.032128	238910.6782184689	365766.76387554	3902.594724715385	36.92.6688720735	3597.910987163542	3602.307786217745	94.6169000420545	90.05490244
36	145816	-347841.1413	1224217.3170250766	39.4019407509287	-102.0297398	239111.7976595737	365762.764762114	3907.362828	36.91.283571742496	3597.344774222195	3598.2816321464766	93.93873480420743	93.93873480420743
37	145817	-347181.1413	1224217.3170250766	39.4019644443679	-102.0274698	239312.91864217312	365758.309692213	3902.310940435884	36.89.21563820115	3596.951153287334	3598.968259623708	93.2648635278096	91.2475431127644
38	145818	-346521.1413	1224217.3170250766	39.40198912858587	-102.025123	239514.0354263542	365754.416	3906.9542356367	36.87.18302540257	3596.4010252617	3597.04611625387	92.4441811625387	92.4441811625387
39	145819	-345861.1413	1224217.3170250766	39.4020118461547	-102.0227911	239715.1543262877	365750.313699923	3893.524067770927	36.85.9308211587	3598.931098211587	3595.78220113818	91.711103632472	92.2389830491626
40	145820	-345201.1413	1224217.3170250766	39.4020354444274	-102.0204569	239916.2724090308	365746.18525727	3882.211054	36.82.05704207155	3597.0521169108547	3596.96945521007	89.9896171126933	91.08374947505081
41	145821	-344541.1413	1224217.3170250766	39.40205901760745	-102.0181227	240117.39099148297	365742.07886934	3886.00130126293	36.81.051891570334	3596.13437252086	3594.84238612855948	89.86647148398424	89.86647148398424
42	145822	-343881.1413	1224217.3170250766	39.402082535684265	-102.0157884	240318.508884519	365737.95612504	3879.4483141765304	36.84.957876159435	3596.1103516110593	3594.835097011350	86.847536	96.4272906080814
43	145823	-343221.1413	1224217.3170250766	39.40210608074636	-102.0134542	240519.6265	365733.841622875	3878.8265714476308	36.83.18497310585	3598.6946878543085	3594.1348731071	85.2239684173792	99.79385168
44	145824	-342561.1413	1224217.3170250766	39.4021294356708	-102.01112	240720.738619238	365729.7275932	3876.94456125119	36.82.881962104318	3598.113596267288	3591.92629629601	83.7863753742727	100.9589758502937
45	145825	-341901.1413	1224217.3170250766	39.4021528705987	-102.008847	240923.658619677	365725.416	3876.94456125119	36.81.2498117181	3598.113596267288	3591.92629629601	83.7863753742727	100.9589758502937
46	145826	-341241.1413	1224217.3170250766	39.40217615712673	-102.0064515	241122.97788616002	365721.49206485	3876.240225446198	36.80.848224419134	3598.85455855102	3576.311147204103	91.6254526681136	104.6789525668136
47	145827	-340581.1413	1224217.3170250766	39.40219944977093	-102.0041173	241324.094489164	365717.38554847	3876.58452458618	36.79.7673682856	3597.84062013374	3575.633701872717	91.6254526681136	104.6789525668136
48	145828	-339921.1413	1224217.3170250766	39.40222697328476	-102.001783	241525.210473623	365714.20127477	3876.1401231601	36.78.721094502097	3596.194371935604	3574.2138230406	86.8	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskg.ft	BREIEvBothkg.ft	SatHtLogskg.ft	SatHtBothft.
129	145909	-286461.1413	22247.3170250766	-01.403095601280821	-01.8127052	257814.8034756232	4365380.756339489	3995.847066269356	3404.051317273897	3248.3155152198897	3406.0272226948155	115.73880250653001	138.0240953384622	
130	145910	-285801.1413	22247.3170250766	-01.403497956	-01.8103708	258105.89951571302	4365376.659547571	3993.752167363567	3541.867991132486	3248.3009192139816	3394.50050522612103	115.55707191850433	147.3493888127965	
131	145911	-285181.1413	22247.3170250766	-01.40389631342828	-01.8094385	258265.9695153846	4365372.663013396	3992.6415904047823	3539.865749217038	3243.70314921107118	3392.6348997614075	115.86327553063196	147.023535063196	
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136	145916	-281841.1413	22247.3170250766	-01.40409191807681	-01.7963647	259222.4707762767	4365352.083267565	3993.111924040185	3528.711554287553	3241.242057497267	3385.200241953336	117.4684974092663	139.503234544017	
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175	145955	-256101.1413	22											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	LatHekLogKrg.ft	SurfBoth.ft
255	198	14035	-203031.1413	22247.31720520766	39.40606245636612	-01.15185683	283151.0881073809	4364866.1672059812	3491.3474165136115	330.0962243607164	3238.5325380752984	3241.261187524913	11.56386826841622	108.83035083980147
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257	198	14037	-201981.1413	22247.31720520766	39.406091948697765	-01.15163823	283563.5289682203	4364858.025143324	3481.41370621458	3345.9641444625569	3235.9641444625569	3238.4344145272703	11.503003918243762	111.23036499742263
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259	198	14039	-200661.1413	22247.31720520766	39.40611946059306	-01.15092303	283955.36691305483	4364849.838392697	3485.619204018041	3343.553151927836	3229.2919486740995	3228.3360237481937	11.412612034336664	114.6172817964235
260	198	14040	-200001.1413	22247.31720520766	39.406133414891452	-01.15068959	284156.42358341906	4364845.815371687	3484.42556143348	3341.8036311068453	3227.2626108813433	3227.01190465351203	11.417584522293372	114.87872560202728
261	198	14041	-199341.1413	22247.31720520766	39.406146724181826	-01.15045614	284357.050400222	4364841.743453671	3483.2453140178295	3340.22440748511	3225.3889016683010	3225.99906683010	11.83506506830105	114.9248176886108
262	198	14042	-198681.1413	22247.31720520766	39.40616039027493	-01.15022269	284558.5562851688	4364837.6335871	3482.05806413242	3338.5488090171243	3224.1289697172343	3224.847563613206	11.442591403549943	114.7012454849167
263	198	14043	-198021.1413	22247.31720520766	39.406179943313796	-01.14998924	284759.62231788596	4364833.804	3479.8956023364304	3338.8692373364304	3223.169381242527	3223.8692373364304	11.56893821271772	115.961969
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273	198	14053	-191421.1413	22247.31720520766	39.4063069351529	-01.14765474	286770.27102279277	4364792.917862912	3468.881188661492	3319.935035344297	3220.9776381570437	3216.5102714034276	98.9573975738602	103.427463400211
274	198	14054	-190761.1413	22247.31720520766	39.40632005265169	-01.14742129	286971.334710016	4364788.0582329	3468.464785923132	3318.239053171369	3220.1769105312455	3215.511390251984	98.0621431861235	104.0831469200471
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278	198	14058	-188121.1413	22247.31720520766	39.40637318257407	-01.14645749	287775.5870250457	4364772.5824876595	3474.75469899174	3311.494172300778	3215.042639017504	3205.605394758716	95.4513299317306	105.8323208254919
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282	198	14062	-185481.1413	22247.31720520766	39.4064288311811	-01.14555369	288579.8392290174	4364756.717837699	3467.199751014774	3304.924031707974	3206.126612065014	3207.1950877266136	95.79741946278355	97.7289438118387
283	198	14063	-184821.1413	22247.31720520766	39.4064423524738	-01.14532024	288780.8987574954	4364752.798278749	3466.1017879132773	3303.8186188523	3207.912592	3206.489518654343	95.6044426319824	96.82942945418017
284	198	14064	-184161.1413	22247.31720520766	39.4064548140231956	-01.14508679	288981.938496277	4364748.187672399	3465.038479274	3301.7205826091348	3206.89206139348	3206.905226977537	94.8395693891318	96.023285515525
285	198	14065	-183501.1413	22247.31720520766	39.406467010281716	-01.14485334	289183.0218044635	4364744.12473214	3463.866655131706	3300.1653819127187	3205.50389310811	3205.144322556487	94.67146260190075	95.01949658161996
286	198	14066	-182841.1413	22247.31720520766	39.406473211746726	-01.14461989	289384.08301670593	4364740.518641968	3460.409103407657	3298.6212616871894	3205.554207060893	3205.109401623205	93.9622946030007	93.51186006394801
287	198	14067	-182181.1413	22247.31720520766	39.406485687916906	-01.14438644	289585.1440218475	4364735.915823428	3460.985953188002	3297.022706819913	3205.290627	3204.975447439024	92.8116441581146	92.0227972026747
288	198	14068	-181521.1413	22247.31720520766	39.406498113598396	-01.14415299	289786.204902022	4364731.9293323	3460.03721347248	3295.610580973654	3204.395449746944	3201.6723417915974	93.8326653075757	93.8326653075757
289	198	14069	-180861.1413	22247.31720520766	39.40651048417887	-01.14391953	289987.26551154326	4364727.56204315	3459.088473598636	3294.149475998636	3203.94141863789	3199.4027181912357	92.2080470464881	94.728746740740027
290	198	14070	-180201.1413	22247.31720520766	39.40652285942958	-01.14368984	290198.328955151	4364723.790278749	3458.139740401574	3292.7200547148486	3204.557458674504	3201.315656401826	92.152960401826	94.40149219811482
291	198	14071	-179541.1413	22247.31720520766	39.40653510095112	-01.14345263	290409.3806792842	4364719.734233962	3457.24337277622	3291.32477272421	3198.836357572835	3200.482899545617	92.084899545617	95.09063229913387
292	198	14072	-178881.1413	22247.31720520766	39.40654736535086	-01.14321918	290590.4460479148	4364715.074002761	3456.065681598293	3289.965681891637	3196.872281344323	3194.733333782973	93.09340054734139	95.2334951747288
293	198	14073	-178221.1413	22247.31720520766	39.40655956555166	-01.14298573	290791.5058146586	4364711.60677344	3455.764501338947	3288.64554577026	3194.805656361309	3193.93213480712893	93.8308911571714	95.1317441742845
294	198	14074	-177561.1413	22247.31720520766	39.40657172065747	-01.14275228	290992.5653757236	4364707.543348598	3454.6258401196306	3287.36095269068	3192.58542932619886	3191.935094655934	94.754720291	95.42580063114146
295	198	14075	-176901.1413	22247.31720520766	39.4065833066829	-01.14251883	291193.6247	4364703.408125519	3454.104126719614	3286.11241317568	3190.732417061334	3187.85438269565	94.3889611404195	94.3889611404195
296	198	14076	-176241.1413	22247.31720520766	39.40659585505407	-01.14228357	291394.63813813345	4364699.417105907	3453.04305392044	3284.995652405528	3187.7044132565147	3197.1918905540174	93.9718905540174	97.9535034014387
297	198	14077	-175581.1413	22247.31720520766	39.40660841454082	-01.14204978	291595.704212958	4364695.733419896	3451.97342819776	3283.88428134698	3186.77342819776	3196.77342819776	93.817304134698	94.817304134698
298	198	14078	-174921.1413	22247.31720520766	39.4066198901340	-01.14181847	291796.516727877	4364691.291671277	3450.84335756522	3282.504371898946	3181.561102558195			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
381	186	146161	-112041.1413	122417.3172050766	39.40745658887666	-101.22441272	308843.98337462096	4364354.8000255431	3232.0778710918885	37.02282967827169	3065.633106405096	3064.833819864755	109.4891902915729	107.24847691741434
382	186	146162	-119481.1413	122417.3172050766	39.4074477554339	-101.2220227	308865.0250442933	4364350.5443643392	3232.0938491648005	3170.034623894816	3062.5448915386735	3064.8741237282848	107.4898918849281	108.16050090653365
383	186	146163	-118821.1413	122417.3172050766	39.407472891713445	-101.1917481	308866.627185677	4364352.440841877	3232.3978480970385	3167.7495164557816	3068.168771132044	3058.656797080044	108.7777383425772	109.285777383425772
384	186	146164	-118161.1413	122417.3172050766	39.40748011358676	-101.2212435	308907.109696483	4364352.633698234	3232.983871581573	3165.8204981865805	3065.270970336467	3054.8548158585942	110.5291150971258	110.2891150971258
385	186	146165	-117501.1413	122417.3172050766	39.40748906433307	-101.2150789	309288.2513137426	4364353.618983909	3233.5698840854328	3163.6678753713145	3050.601725239946	3050.13848948713836	113.06666784731988	113.52892604407867
386	186	146166	-116841.1413	122417.3172050766	39.40749071243206	-101.2127444	309489.1928310553	4364351.6517469192	3234.1559155853027	3161.4810619198493	3044.8068981620627	3043.9432893810316	117.53147253871765	117.53147253871765
387	186	146167	-116181.1413	122417.3172050766	39.4075028342629	-101.204098	309690.2346171908	4364350.525958669	3234.367746999315	3159.260569188442	3037.77684869643	3036.117865950157	121.4883721920303	123.1481909868271
388	186	146168	-115521.1413	122417.3172050766	39.4075129485129	-101.2080752	309891.2735061556	4364326.485	3234.20658562447	3157.0250253833743	3045.711130909413	3044.413671232929	111.3138947906213	112.5836560216939
389	186	146169	-114861.1413	122417.3172050766	39.407520819502075	-101.2057466	310092.6162543564	4364322.440841877	3234.4835815532164	3154.76048989759	3056.46868177862	3055.383515358527	126.9996302186925	127.9996302186925
390	186	146170	-114201.1413	122417.3172050766	39.4075268453477	-101.2034061	310253.3073659174	4364318.396365133	3233.881326500909	3152.4785457409914	3069.247704206959	3069.0107841373004	132.524732032221	133.4565016702817
391	186	146171	-113541.1413	122417.3172050766	39.40753642619063	-101.2010715	310494.3976230753	4364314.33132959	3233.3741607167102	3150.1762959116086	3077.985888149621	3078.043949	129.1904276	129.1904276
392	186	146172	-112881.1413	122417.3172050766	39.40754416188963	-101.1987369	310695.4380240778	4364310.309531307	3233.51262024145	3147.860016762031	3084.5618625016828	3084.331885	63.29815426034848	63.02813224914125
393	186	146173	-112221.1413	122417.3172050766	39.40755185249179	-101.1964023	310896.47823599717	4364306.266131549	3231.654179106888	3145.5290503513345	3088.019185213378	3088.387181	57.5181185406672	57.14187279341468
394	186	146174	-111561.1413	122417.3172050766	39.4075594979709	-101.1940678	311097.5182700467	4364302.223	3230.795737922781	3143.1868913101875	3087.5240043637937	3087.5240043637937	55.34262369272302	55.34262369272302
395	186	146175	-110901.1413	122417.3172050766	39.4075760940501	-101.1917332	311298.5981155628	4364298.18	3230.183629661217	3140.3869891165892	3084.134204	3084.3047600546204	56.7028871699322	56.5344960611676
396	186	146176	-110241.1413	122417.3172050766	39.40757465371701	-101.189398	311499.59777035103	4364294.1317143566	3231.4885732375181	3138.478941961686	3079.763852376489	3079.763852376489	58.7154181516932	58.68540250769465
397	186	146177	-109581.1413	122417.3172050766	39.40758271	-101.187064	311700.837256159	4364290.04651306	3230.452065190968	3136.113354761346	3075.435849643002	3075.435849643002	60.67755011834016	60.6854043011606
398	186	146178	-108921.1413	122417.3172050766	39.40758962904926	-101.1847294	311901.675456274	4364285.052160901	3230.2708624049693	3133.7992052003703	3071.50469222961064	3071.492425046376	62.67252512048736	62.7445245161304
399	186	146179	-108261.1413	122417.3172050766	39.4075970406999	-101.1823949	312102.715652386	4364282.009972342	3231.744556249582	3131.3581561601545	3067.9991130591066	3067.9991130591066	63.39904307	63.37196599692314
400	186	146180	-107601.1413	122417.3172050766	39.40760442399376	-101.1800603	312303.75457632693	4364277.96786513	3232.336998025595	3128.97052486131	3064.7428763053406	3064.75477375008	64.21126417337005	64.21126417337005
401	186	146181	-106941.1413	122417.3172050766	39.40761175382055	-101.1777257	312504.7933505545	4364273.96200729	3232.9549048012838	3126.577800906668	3061.619550642637	3061.619550642637	64.9580874482874	64.93818507267588
402	186	146182	-106281.1413	122417.3172050766	39.4076190358265	-101.1753911	312705.83187238407	4364269.885	3236.581580376882	3124.190707687524	3058.5027763543307	3058.4991370974674	65.6784133	65.68151461284651
403	186	146183	-105621.1413	122417.3172050766	39.40762689884229	-101.1729565	312925.8624223604	4364265.2364077	3237.448593236072	3126.488593236072	3056.78191299994	3056.78191299994	66.7187816777777	66.7187816777777
404	186	146184	-104961.1413	122417.3172050766	39.407633472718565	-101.1707219	312731.9043707752	4364261.80205985	3237.560761514446	3119.37404939931	3053.06556523598	3052.964251028467	66.3081376	66.40566929714623
405	186	146185	-104301.1413	122417.3172050766	39.40764062215773	-101.1683874	313008.944455425	4364257.761709303	3237.62023690275	3116.97182686034	3051.5736944740642	3051.5736944740642	66.39099141	66.39099141
406	186	146186	-103641.1413	122417.3172050766	39.4076477249947	-101.1660528	313509.9426935414	4364253.720334043	3237.7844436073104	3114.574484	3050.13566182907	3050.4346612583	64.43591782	64.13981987582474
407	186	146187	-102981.1413	122417.3172050766	39.40765478574415	-101.1637182	313711.02191186326	4364249.69729363	3236.749624813207	3112.1830666205874	3049.0472327809633	3049.0472327809633	62.85085896208	62.85085896208
408	186	146188	-102321.1413	122417.3172050766	39.40766179989175	-101.1613638	313921.05937175255	4364245.63395705	3236.584168580527	3109.797162123756	3048.052476980783	3047.7525848641	61.7446851567777	61.7446851567777
409	186	146189	-101661.1413	122417.3172050766	39.407669616884229	-101.1587698	314173.965819587	4364241.398186515	3236.386672885733	3107.44593333082	3046.981648186015	3046.981648186015	62.78461107172524	62.78461107172524
410	186	146190	-101001.1413	122417.3172050766	39.40767625979671	-101.1567144	314314.1337459141	4364237.959247111	3235.92037247611	3105.32971924711	3045.93013389323	3045.93013389323	62.9023186	62.9023186
411	186	146191	-100341.1413	122417.3172050766	39.4076825715204	-101.1543798	314515.170660426	4364233.51450096	3235.332628	3102.6701001978604	3045.279025	3045.816279727216	63.7910747544049	65.78847222531874
412	186	146192	-99681.1413	122417.3172050766	39.40768940511256	-101.1520452	314716.2073934843	4364229.479885403	3235.768965202347	3100.3095234321677	3044.773541073422	3044.773541073422	65.5396253875415	65.59175531347824
413	186	146193	-99021.1413	122417.3172050766	39.40769619417332	-101.1497107	314917.2343531007	4364225.440521842	3235.205303	3097.9588342771885	3044.171217743181	3044.3028904238906	53.7876165300704	53.65602448491292
414	186	146194	-98361.1413	122417.3172050766	39.40770233738264	-101.1473761	315118.2803161063	4364221.40136008	3235.641641190625	3095.619314427601	3042.9817650409284	3042.9817650409284	52.25502408261	52.25502408261
415	186	146195	-97701.1413	122417.3172050766	39.40770962606331	-101.1450415	315319.3165050757	4364217.36229899	3235.02533132391	3093.292187728031	3041.388362949503	3042.152810189591	51.90308240306254	51.1933977547304
416	186	146196	-97041.1413	122417.3172050766	39.40771629578916	-101.142769	315520.3525153604	4364213.39477778	3234.437439230728	3090.80324735181	3040.20494521271	3040.20494521271	51.77082021	50.7783055877036
417	186	146197	-96381.1413	122417.3172050766	39.4077238934826	-101.1403723	315721.3884422869	4364209.288298762	3234.822552356927	3088.86644802407	3038.91635947934	3038.91635947934	50.77012547	50.695482106045265
418	186	146198	-95721.1413	122417.3172050766	39.4077294	-101.1380377	315922.420390308	4364205.246777245	3234.678114724028	3086.409679321424	3034.08039048424	3034.1152379632495	52.3261407771842	52.3261407771842
419	186	146199	-95061.1413	122417.3172050766	39.4077359	-101.1357031	316123.4556617235	4364201.208547414	3234.604068285723	3084.171388389873	3031.023675507174	3031.023675507174	53.11804588810284	53.11804588810284
420	186	146200	-94401.1413	122417.3172050766	39.40774284209023	-101.1333685	316324.4948503954	4364197.170622755	3234.301059504202	3081.891465360463	3028.470655250193	3028.470655250193	51.8113732827167	51.8113732827167
421	186	146201	-93741.1413	122417.3172050766	39.4077488797478	-101.1310339	316525.5299999614	4364193.32872771	3233.4017523223273	3079.658186971587	3026.469385664894	3026.469385664894	52.9374622817447	52.9374622817447
422	186	146202	-93081.1413	122417.3172050766	39.40775526762045	-101.128693	316726.5648989363	4364189.053942442	3235.8202351	3077.4373476	3022.85257845432	3023.9912145495147	53.4422616840846	53.4422616840846
423	186	146203	-92421.1413	122417.3172050766	39.4077616024936	-101.1263923	316927.616049778	4364185.39862293	3235.121370278	3075.488593236072	3025.8351217	3025.8351217	54.0431640407854	54.0431640407854
424	186	146204	-91761.1413	122417.3172050766	39.4077678930482	-101.1240032	317128.63214213	4364181.02083735	3235.27542698305	3073.02110467195	3018.01679429948	3018.26067105862	55.0535104	54.77143726054026
425	186	146205	-9110											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
507	146287	-36981.14133		32247.17172050766	39.40813296814649	-100.9302679	33183.90022971656	43684.6639910991	114.8241184460995	2952.11125673039	2899.4789727560637	2899.5593535492892	92.62315291697543	92.55179013274992
508	146288	-36321.14133		32247.17172050766	39.4081347253405	-100.9279232	33014.9200502659	43683.616794453	114.588455720955	2950.784285735475	2895.560077896079	2898.5757902413704	92.21835073749692	92.2033569022001
509	146289	-35661.14133		32247.17172050766	39.40813598793	-100.9255976	33245.9409692814	43683.594092814	114.34757208626	2949.97496358121	2897.25981161453	2897.294813843867	92.2003044	92.183281173413
510	146290	-35001.14133		32247.17172050766	39.40814034601518	-100.923254	334416.18065596313	43683.345190447	114.1003004172356	2948.119065508583	2895.97404146506	2895.98516687951	92.1439344352222	92.265409207016
511	146291	-34341.14133		32247.17172050766	39.40814271510877	-100.9209194	334617.88034356406	43683.360170943	113.688666192499	2946.78932090276	2894.3042513099194	2894.344942878006	92.634301312513	92.6430340312153
512	146292	-33681.14133		32247.17172050766	39.4081450391435	-100.9185848	334818.999692312	43683.2654073814	113.080270435655	2945.45630635477	2892.489935955555	2892.489578771113	92.9668370502262	92.96735116668483
513	146293	-33021.14133		32247.17172050766	39.40814731800194	-100.9162502	335002.01943419315	43683.2521506593	110.32194566119	2944.123194566119	2890.832446181612	2890.8541035692397	92.630949876162	93.530909987917
514	146294	-32361.14133		32247.17172050766	39.40814955180153	-100.9139155	33521.03783865213	43683.1802	107.867786279813	2944.25711880294	2894.496285052162	94.5279010037069	94.2884381971219	94.2884381971219
515	146295	-31701.14133		32247.17172050766	39.40815174059368	-100.9115893	335422.0578828157	43683.1443584535	108.3413559831413	2941.440535004462	2894.946212615478	94.5684736600418	96.2693037	96.2693037
516	146296	-31041.14133		32247.17172050766	39.40815389410664	-100.9092463	335623.076669881	43683.104045	108.810611923238	2940.07321429353	2894.6459897776	2940.52024	96.4133155	97.0820776
517	146297	-30381.14133		32247.17172050766	39.4081562861215	-100.9069117	335824.05969170497	43683.06445858598	108.34125026125026	2938.721714046154	2894.4826514517963	2894.138895	97.25906256281905	97.25906256281905
518	146298	-29721.14133		32247.17172050766	39.40815803601291	-100.9045771	336025.114355581	43683.0248361282	107.8119963307918	2937.340457532885	2893.5713175860396	2893.505882847387	97.76739456849537	97.8345746584979
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551	146331	-7941.14133		32247.17172050766	39.408200484549	-10								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	Wt.Ln	BREIEVtKg.f	BREIEVb0tKg.f	SatThKtGs	SatThB0t.f
633	198	146413	46178.85867307335	1922417.3170250766	-00.400809337637669	-00.36069599	359141.2494	4363341.669754755	271.933922819562407	272.448191202471445	2662.711513984147	26829501340229226	31.737605298997434	41.4989862242188
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669	198	146449	69938.85867307335	1922417.3170250766	-00.40079560552176	-00.355205	366377.26014385	4363195.97182122	2850.16992066778534	2653.89123240472	2609.3712058274227	2606.323216246848	47.9117733024133	45.80821657629015
670	198	146450	70598.85867307335	1922417.3170250766	-00.4007955735054	-00.35497154	366578.2173936243	4363193.983319131	2855.19435577224	2650.38455766947	2600.985007955697	2604.47454280401	49.3945487	47.9597064854574
671	198	146451	71258.85867307335	1922417.3170250766	-00.40079540714555	-00.35473808	366779.21404462296	4363190.007032777	2856.619259318578	2649.181248349083	2599.68276542833	2609.296035470143	49.3945487	38.8957846456755
672	198	146452	71918.85867307335	1922417.3170250766	-00.40079601546291	-00.35450462	366980.2106574059	4363186.01338143	2846.4603293734046	2647.9687373747397	2599.6752176109444	2619.5379486048267	49.29351976	28.4302762943104
673	198	146453	72578.85867307335	1922417.3170250766	-00.400793107868019	-00.35427115	367181.207024996	4363182.062138541	2862.301419228737	2646.799097070734	2598.7649054854	2623.666593697584	49.0075180538394	23.0729573894925
674	198	146454	73238.85867307335	1922417.3170250766	-00.40079260602835	-00.3540379	367382.2032987176	4363178.03914428	2860.14219818373	2645.4952745749464	2596.835745749464	2606.377127148125	45.6425316866205	29.1176575474374
675	198	146455	73898.85867307335	1922417.3170250766	-00.400792428097239	-00.3538092	367583.2197371428	4363174.04181812	2859.424280978125	2644.22819816312	2595.84419816312	2605.84419816312	45.6425316866205	29.1176575474

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtElev.ft	SatHtBotHt.ft
19	199	146539	-359061.1413	923077.3170250766	39.40334285427354	-102.0699069	235666.8602033346	436603.3960653336	3944.884156431968	3712.104577481493	3642.5195008802775	3642.597733838272	69.585067117175	69.58506423137744
20	199	146540	-358401.1413	923077.3170250766	39.40336734867165	-102.0671726	235897.963454092575	436602.9116207071	3941.562017078161	3710.68994042969837	3640.201291434734	3640.382349141170	70.48868496946693	70.3759128653370
21	199	146541	-357781.1413	923077.3170250766	39.40339162037425	-102.0648384	236069.10677465032	436602.5218755454	3939.248672745327	3709.248672745327	3637.638613	3638.148614869108	71.136277205894063	71.136277205894063
22	199	146542	-357081.1413	923077.3170250766	39.40341625079463	-102.0625041	236300.2296421532	436601.7735054764	3937.800566470509	3634.852302706569	3632.755077446704	3632.755077446704	72.0435456849001	71.8637370330875
23	199	146543	-356421.1413	923077.3170250766	39.40344062612838	-102.0601699	236501.35224873497	436601.7483917336	3931.74728273936247	3706.5097581867913	3631.5302713245117	3633.871407358105	72.6383506826393	72.6383506826393
24	199	146544	-355761.1413	923077.3170250766	39.40346456375454	-102.0578356	236702.3562454524	436601.3632542455	3928.7281709394247	3705.145026241325	3627.820410729253	3631.91088556188	73.73200979	73.2345319676434
25	199	146545	-355011.1413	923077.3170250766	39.40348924153571	-102.0555014	236903.5966782213	436600.246738333	3925.700543933261	3703.801463679855	3623.88130606664	3630.26029819045	73.920826191905	73.5394273019697
26	199	146546	-354441.1413	923077.3170250766	39.40351348160915	-102.0531671	237104.7185016988	436595.128516035	3920.690839313181	3702.481452803146	3619.733417839779	3628.83758904036	74.780034933669	74.3436938
27	199	146547	-353781.1413	923077.3170250766	39.40353767659576	-102.0508328	237305.5406460704	436594.310458562	3918.213184521844	3700.248672745327	3617.689166610054	3627.837491008349	75.6943685775565	75.6943685775565
28	199	146548	-353121.1413	923077.3170250766	39.40356182045646	-102.0484986	237506.9136715025	436594.82059512	3916.276370974017	3699.921638	3617.00270726321	3625.51030554743507	76.9183054937909	74.4113306409497
29	199	146549	-352461.1413	923077.3170250766	39.40358593130823	-102.0461643	237708.0840563078	436592.7749608306	3911.335647369597	3698.681656798036	3606.551568832045	3623.56016227395	77.300736655405	75.1055946730084
30	199	146550	-351801.1413	923077.3170250766	39.40360991033974	-102.04383	237909.20319197356	436598.651541945	3907.42724294517	3696.48789739825	3602.468931644757	3619.65717397343	78.003980469016	77.803750489016
31	199	146551	-351141.1413	923077.3170250766	39.40363040568462	-102.0414958	238110.32816447	436594.540275857	3905.330647275965	3696.282737101354	3599.159771910928	3613.2372725183344	79.1229917990278	78.9254911918013
32	199	146552	-350481.1413	923077.3170250766	39.4036597326324	-102.0391615	238311.4447778903	436590.432041203	3905.139478915	3695.122291150597	3596.99823206633	3607.0969397886483	80.1246001870659	80.0253233
33	199	146553	-349821.1413	923077.3170250766	39.403681899700738	-102.0368272	238512.5640810157	436594.360412283	3904.9429231366403	3693.864458679169	3596.0414884247625	3603.51118847462	80.9429702546664	80.94663393
34	199	146554	-349161.1413	923077.3170250766	39.40371622744306	-102.0344929	238713.6838	436592.71	3904.746367341077	3692.866272851938	3595.728640735048	3602.359404063453	81.7268952714562	80.5075805
35	199	146555	-348501.1413	923077.3170250766	39.403729613368085	-102.0321587	238914.8033120481	436593.073369011	3902.054867941223	3691.76804846273	3595.70851209138	3603.866879394705	82.9584892728916	82.78991610145679
36	199	146556	-347841.1413	923077.3170250766	39.403753402570906	-102.0298244	239151.9225309044	436593.96357	3896.86878450777	3690.6796934077	3595.8999755230507	3607.00035016847	83.796229687746	83.67942037488132
37	199	146557	-347181.1413	923077.3170250766	39.40377715	-102.0274901	239317.04150762156	436599.84114727	3891.681258	3689.650047344047	3595.9616937220612	3601.778587800717	83.6433110333436	82.826169345297
38	199	146558	-346521.1413	923077.3170250766	39.40380084571452	-102.0251558	239518.1602178474	436595.723369484	3886.49676875984	3686.49676875984	3595.4067696915866	3599.67520513373	84.5409205730625	84.5409205730625
39	199	146559	-345861.1413	923077.3170250766	39.40382449695525	-102.0228216	239719.27866992733	436591.699373697	3883.016156954995	3687.487173745929	3596.12133585023	3597.137378415597	85.3937937894504	85.3937937894504
40	199	146560	-345201.1413	923077.3170250766	39.40384810850562	-102.0204873	239920.396642023	436594.4749343768	3881.24119592405	3686.4207384259	3596.206959304492	3596.4373075118	86.2154741834437	85.9846860418167
41	199	146561	-344541.1413	923077.3170250766	39.403869178747405	-102.0181473	240125.54800719047	436593.924152862	3878.471821528673	3681.402315962079	3595.314825148561	3597.14825148561	87.092316478429	86.7148178429
42	199	146562	-343881.1413	923077.3170250766	39.40389519055275	-102.0151817	240322.6347890256	436593.261670257	3877.696753822028	3684.3170413585312	3595.351124255858	3598.42205147	87.8662767326749	84.98531621134438
43	199	146563	-343221.1413	923077.3170250766	39.403918664543205	-102.0134844	240523.7490915804	436593.14938216	3876.742512952211	3683.277007786982	3596.4113544299616	3598.93096180546	88.7966335702026	88.7966335702026
44	199	146564	-342561.1413	923077.3170250766	39.4039420634623	-102.0111501	240724.8670629308	436593.043084215	3876.670236631624	3682.23156682126	3596.249665151834	3597.223497996238	89.819030610249	89.819030610249
45	199	146565	-341901.1413	923077.3170250766	39.4039657646161	-102.0088158	240925.98397413647	436593.296476315	3876.4629967114	3681.194030518095	3595.811286	3596.3808195671045	90.7683679848079	90.7683679848079
46	199	146566	-341241.1413	923077.3170250766	39.40398881478924	-102.0064815	241127.10265231836	436592.860268882	3876.321396580501	3680.1503997014456	3594.996475997411	3597.167187607445	91.533937	90.8442119410041
47	199	146567	-340581.1413	923077.3170250766	39.404012108029138	-102.0041478	241326.2170204704	436592.689236122	3875.337618258273	3679.242718258273	3594.7321921811215	3596.823981076114	92.282154478429	91.99282154478429
48	199	146568	-339921.1413	923077.3170250766	39.4040365161117	-102.001813	241533.158523093	436591.57854021	3874.472032506983	3678.223477251235	3591.8710906218657	3599.00062750075	93.15310336675	92.0555516262495
49	199	146569	-339261.1413	923077.3170250766	39.40405855924537	-101.9994787	241730.4490409633	436591.0464578	3876.8544129157867	3676.9070664778275	3589.585024	3589.76746890816	94.2140242566747	93.80100917887459
50	199	146570	-338601.1413	923077.3170250766	39.40408171722171	-101.9971444	241931.5646675613	436590.61454978	3877.094856625847	3675.921706074503	3589.965839805457	3588.91662240647	95.16762240647	94.80130770170367
51	199	146571	-337941.1413	923077.3170250766	39.404104830110086	-101.9948101	242132.680038357	436590.23860138	3876.2418332271	3674.8418332271	3584.028201632635	3586.64717570963	96.13716176005485	95.86365662474888
52	199	146572	-337281.1413	923077.3170250766	39.40412789791046	-101.9924758	242333.79515407147	436589.15256123	3873.37125028345	3673.37125028345	3580.871225983596	3580.871384326	97.8702429708537	96.7373644008235
53	199	146573	-336621.1413	923077.3170250766	39.40415090322884	-101.9901415	242534.90101435298	436589.041227239	3872.228768019044	3672.3248167487327	3580.61676768899	3581.491155821887	98.26889697143621	97.1133820853447
54	199	146574	-335961.1413	923077.3170250766	39.404174987147405	-101.9878077	242736.1021970047	436588.92049673	3871.024271825873	3671.024271825873	3579.492031952079	3580.492031952079	99.162216809911	98.049216809911
55	199	146575	-335301.1413	923077.3170250766	39.40419683078285	-101.9854729	242937.138907187	436588.787911268	3868.286424273702	3670.824057	3577.798538090887	3580.644379065883	99.8543677025117	98.65972585454
56	199	146576	-334641.1413	923077.3170250766	39.40421972	-101.9831385	243138.2530603034	436588.75650286	3866.420399014826	3669.175385448844	3568.6259707693275	3561.075074762964	100.549417671576	99.801037795779
57	199	146577	-333981.1413	923077.3170250766	39.40424256	-101.9808042	243339.3660759106	436588.6333475	3864.557367175615	3667.9033049098	3565.45223760451	3557.126516478915	101.0664778003679	100.8664778003679
58	199	146578	-333321.1413	923077.3170250766	39.40426531856267	-101.9784699	243540.480498976	436588.745222004	3862.666314549733	3666.7962903356	3562.298216783424	3556.3100041462	101.49807321791412	100.8629558173457
59	199	146579	-332661.1413	923077.3170250766	39.40428811007925	-101.9761356	243741.59382821727	436588.7329491745	3860.7329491745	3665.88668656415	3559.215357131964	3558.295905015456	102.0673195334887	101.2670925351458
60	199	146580	-332001.1413	923077.3170250766	39.40431081714086	-101.9738013	243942.706975708	436588.74352420765	3858.74352420765	3664.35645373779	3556.112438420594	3557.616458793157	102.259069170945	101.546896940614
61	199	146581	-331341.1413	923077.3170250766	39.4043349217847405	-101.9714578	244136.8192306136	436588.718313968	3856.8192306136	3663.294900744986	3554.8192306136	3554.8192306136	102.441815204712	101.8192306136
62	199	146582	-330681.1413	923077.3170250766	39.404359065556	-101.9691327	244332.8320361956	436587.70294433	3854.7642686994	3661.985019147514	3550.70260390734	3551.951732762774	102.619560320046	101.5067696184712
63	199	146583	-330021.1413	923077.3170250766	39.40437867895216	-101.9667984	24							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
145	199	146665	-275901.1413	923077.3170250766	39.06067611966441	-101.7753797	161036.4131037581	43565.1651586032	3679.376070486167	3766.7256995107437	3390.170149988054	3385.678714239031	118.56644952268949	123.04788527171286
146	199	146666	-275241.1413	923077.3170250766	39.06069447309526	-101.7730453	161237.5051276458	43655.12741245297	3675.23156637879	3506.574743934304	3391.459476906862	3391.6886501534927	118.56644952268949	114.88033770837675
147	199	146667	-274681.1413	923077.3170250766	39.0611373156286	-101.7707199	161438.569156467	43655.0284142438	3669.825780951676	3492.531789474173	3390.478039769696	3393.396227	118.56644952268949	111.8339763602739
148	199	146668	-273921.1413	923077.3170250766	39.0613247072439	-101.7683764	161639.6884679647	43655.04235067129	3663.1539039670595	3505.762489212708	3391.5490041220915	3392.5961839505476	118.56644952268949	106.6909007072317
149	199	146669	-273261.1413	923077.3170250766	39.06165116479406	-101.766042	161840.77978467842	43655.00141963975	3656.48210934526	3500.1782120837545	3393.266573499318	3397.38713180669676	118.56644952268949	102.79889317705666
150	199	146670	-272601.1413	923077.3170250766	39.0619871371815	-101.7637076	162041.870666376	43654.964047655	3648.104787832347	3498.101334870346	3394.63886391049	3397.990446	118.56644952268949	98.11108848655765
151	199	146671	-271941.1413	923077.3170250766	39.0618842	-101.7613732	162242.96171288425	43654.9196398149	3642.888912904596	3496.1455070499765	3394.647594376145	3396.480601601523	118.56644952268949	94.973071783128
152	199	146672	-271281.1413	923077.3170250766	39.0620695465159	-101.7590387	162444.0523452307	43654.8736284115	3635.721221452055	3484.3254613742066	3393.475116055208	3397.497246582713	118.56644952268949	90.82821471413536
153	199	146673	-270621.1413	923077.3170250766	39.0622584915346	-101.7567043	162645.14270152536	43654.83771510721	3628.550300266147	3492.531789474173	3394.72027248294	3391.68182458295163	118.56644952268949	86.73134961480268
154	199	146674	-269961.1413	923077.3170250766	39.0624335678334	-101.7543498	162846.23440549963	43654.79574972122	3620.38365316714	3489.800382828466	3395.153491	3394.258144024376	118.56644952268949	82.5422485847043
155	199	146675	-269301.1413	923077.3170250766	39.0626238228114	-101.7520354	163047.3228	43654.75507609	3618.04257116038	3489.06144643599	3395.79782423283	3393.4631825824703	118.56644952268949	78.55983093412865
156	199	146676	-268641.1413	923077.3170250766	39.0628076070684	-101.749701	163248.214262639	43654.71496	3618.52971882486	3487.332510096239	3394.172403725414	3397.21240374631	118.56644952268949	74.680934990807
157	199	146677	-267981.1413	923077.3170250766	39.062990404308	-101.7473665	163449.5018077067	43654.67404	3619.01478488274	3485.622755799918	3395.414801261049	3398.21512425	118.56644952268949	70.611969149814
158	199	146678	-267321.1413	923077.3170250766	39.063173822177	-101.7450321	163650.5910738793	43654.6312311979	3619.5010411526265	3483.9270325824025	3397.93793209123	3398.43753193283	118.56644952268949	66.52434243487246
159	199	146679	-266661.1413	923077.3170250766	39.06335952430934	-101.7426976	163851.6800472672	43654.5921948314	3622.23869069964	3482.2491455324838	3397.7449522410023	3397.48128565766	118.56644952268949	62.504769600483053
160	199	146680	-266001.1413	923077.3170250766	39.06354582942701	-101.7403741	164058.9853876725	43654.551065326	3620.22775802179	3480.590311027403	3397.597476662245	3398.245022665752	118.56644952268949	58.4304339049142
161	199	146681	-265341.1413	923077.3170250766	39.063719746153	-101.7380288	164253.854568353	43654.5140389617	3623.71655704894	3478.960645562662	3392.5366173341048	3398.245022665752	118.56644952268949	54.36525736808104
162	199	146682	-264681.1413	923077.3170250766	39.0639003433864	-101.7356943	164454.9359269359	43654.471991765	3624.20553270497	3477.3269574299698	3397.83230836233	3399.4522487756	118.56644952268949	50.342572530596
163	199	146683	-264021.1413	923077.3170250766	39.06408147113844	-101.7333599	164656.0337106872	43654.4289685662	3624.6681966344	3475.718938192886	3392.428710718139	3397.21240374631	118.56644952268949	46.3362627656501
164	199	146684	-263361.1413	923077.3170250766	39.0642616480143	-101.7310254	164857.1215200578	43654.387693801	3624.4804270210736	3474.1263817979834	3398.30767853269	3398.245022665752	118.56644952268949	42.36826726919
165	199	146685	-262701.1413	923077.3170250766	39.0644413739663	-101.728691	165058.209972404	43654.3479206778	3624.330241478705	3472.54960340109	3398.638139639745	3398.245022665752	118.56644952268949	38.30219889
166	199	146686	-262041.1413	923077.3170250766	39.0646204859933	-101.7263565	165259.2964424448	43654.305550765	3624.187222350573	3470.5460303716823	3398.245022665752	3398.245022665752	118.56644952268949	34.308502409410898
167	199	146687	-261381.1413	923077.3170250766	39.06480974730968	-101.7240241	165460.355858725	43654.263521194	3624.03817283924	3469.548146592811	3398.638139639745	3398.245022665752	118.56644952268949	30.308502409410898
168	199	146688	-260721.1413	923077.3170250766	39.0649778	-101.721676	165661.404	43654.2214136208	3623.837117192546	3467.934037298913	3398.337904810427	3397.67833545072	118.56644952268949	27.2055339
169	199	146689	-260061.1413	923077.3170250766	39.0651557685249	-101.7193532	165862.5571	43654.1832213768	3623.837117192546	3466.438012806227	3398.337904810427	3397.67833545072	118.56644952268949	23.2055339
170	199	146690	-259401.1413	923077.3170250766	39.065333289508	-101.7170187	166063.6435075526	43654.144374537	3623.326502921467	3464.941385509256	3398.337904810427	3397.67833545072	118.56644952268949	19.2055339
171	199	146691	-258741.1413	923077.3170250766	39.0655102062506	-101.7146842	166264.7296959414	43654.10283746	3623.326502921467	3463.81363115370143	3398.337904810427	3397.67833545072	118.56644952268949	15.2055339
172	199	146692	-258081.1413	923077.3170250766	39.0656862972384	-101.7123498	166465.815653454	43654.06606	3623.326502921467	3462.681964356327	3397.67833545072	3397.67833545072	118.56644952268949	11.2055339
173	199	146693	-257421.1413	923077.3170250766	39.065862942701	-101.7100133	166666.9815806697	43654.0246172839	3623.326502921467	3461.548146592811	3398.638139639745	3398.245022665752	118.56644952268949	7.2055339
174	199	146694	-256761.1413	923077.3170250766	39.066038155898	-101.707689	166867.9681745896	43654.0818145896	3623.326502921467	3460.428146592811	3398.638139639745	3398.245022665752	118.56644952268949	3.2055339
175	199	146695	-256101.1413	923077.3170250766	39.066213835808	-101.7053464	167069.0721440501	43653.9379223198	3623.326502921467	3459.3073391733	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
176	199	146696	-255441.1413	923077.3170250766	39.066388384466	-101.7030119	167270.157180751	43653.8974703694	3623.326502921467	3458.186315476624	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
177	199	146697	-254781.1413	923077.3170250766	39.06656291317994	-101.7006775	167471.2418977318	43653.851728215	3623.326502921467	3457.06126898248	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
178	199	146698	-254121.1413	923077.3170250766	39.0667368	-101.698343	167672.326652005	43653.8051076478	3623.326502921467	3455.941592732505	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
179	199	146699	-253461.1413	923077.3170250766	39.0669109060495	-101.696008	167873.4103159276	43653.7744308472	3622.8954754799153	3454.918444271998	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
180	199	146700	-252801.1413	923077.3170250766	39.0670849214025	-101.6936741	168074.495321414	43653.7335241194	3622.8954754799153	3453.824654589116	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
181	199	146701	-252141.1413	923077.3170250766	39.0672589633466	-101.691396	168275.578925729	43653.6908296362	3622.8954754799153	3452.736542823457	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
182	199	146702	-251481.1413	923077.3170250766	39.067423724227	-101.6890052	168476.662584308	43653.6513627768	3622.8954754799153	3451.647357149492	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
183	199	146703	-250821.1413	923077.3170250766	39.067599326821	-101.6866707	168677.1604710211	43653.6119073632	3622.8954754799153	3450.55813738136	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
184	199	146704	-250161.1413	923077.3170250766	39.0677704910109	-101.6843362	168878.82922172215	43653.5710184179	3622.8954754799153	3449.47305747245	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
185	199	146705	-249501.1413	923077.3170250766	39.0679411984085	-101.682007	169079.931982474	43653.532598413	3622.8954754799153	3448.39037925224	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
186	199	146706	-248841.1413	923077.3170250766	39.0681114545745	-101.6796673	169280.9949471038	43653.4936176332	3622.8954754799153	3447.308647153024	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
187	199	146707	-248181.1413	923077.3170250766	39.0682821404707	-101.677332	169482.0716871967	43653.4548173724	3622.8954754799153	3446.2234983111883	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
188	199	146708	-247521.1413	923077.3170250766	39.0684506	-101.6749983	169683.1597161836	43653.4160316131	3622.8954754799153	3445.13855535162	3398.638139639745	3398.245022665752	118.56644952268949	0.2055339
189	199	146709	-246861.1413	923077.3170250766	39.0686281868535	-101.6726368	169884.21822							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREVELogKgr.f	BREVEbothKgr.f	SatHLogKgr.f	SatHbothKgr.f
271	14971	-192741.1413	923077.3170250766	39.40809350687141	-01.4812324	286372.1771655127	4350502.308904021	3465.064721398317	3222.677250167474	3220.6267026201826	3217.897590087716	3210.050457429144	70.4477967115770252
272	14972	-192081.1413	923077.3170250766	39.40810665	-01.4788988	286573.2816374915	4354996.240103066	3465.237816892515	3220.3606571774584	3220.1637717275984	3217.9453888681677	3210.07508958655	105.03487206827524
273	14973	-191421.1413	923077.3170250766	39.40811976567297	-01.4766463	286774.545344443	4354994.173	3465.010841968757	3219.283297509063	3219.0163829606957	3217.9332807	3210.163829606957	105.11843168042524
274	14974	-190761.1413	923077.3170250766	39.408132681	-01.4747297	286975.0858946333	4354990.1052330965	3465.584052	3317.591727103893	3218.79565625733	3212.573964	98.79861527816001	105.0170378
275	14975	-190101.1413	923077.3170250766	39.40814582604155	-01.4718952	287176.4714212061	4354986.03748827	3465.455652920753	3315.90036026457	3217.7886359470594	3210.7890531558307	98.1140066	105.1197344681507
276	14976	-189441.1413	923077.3170250766	39.408158793545904	-01.4695066	287377.5322324705	4354981.97046765	3465.025758126503	3314.213013574433	3216.632502492116	3217.745423088166	98.580931598145787	105.69831598145787
277	14977	-188781.1413	923077.3170250766	39.40817171559313	-01.467226	287578.59806489	4354977.9038298	3465.598499733993	3312.534128933699	3215.335008480622	3204.72653124034	97.19912045378083	107.8705898066493
278	14978	-188121.1413	923077.3170250766	39.40818459254512	-01.4648819	287779.660765752	4354973.636514207	3471.165944695871	3310.8662258078375	3213.919633532285	3204.73848806617	96.46692297460897	105.1277320121822
279	14979	-187461.1413	923077.3170250766	39.40819742404135	-01.462558	287980.732481935	4354969.173	3476.533141104105	3209.210639701665	3212.408815225037	3206.798625448065	96.8010754916116	94.4117765385838
280	14980	-186801.1413	923077.3170250766	39.4082102116177	-01.4602224	288178.74627014	4354965.70372427	3477.58775951548	3210.861950505304	3210.3644814400063	96.765091145200	100.5242782154279	100.5242782154279
281	14980	-186141.1413	923077.3170250766	39.40822552682635	-01.4578788	288328.84705114643	4354961.637	3464.861723	3305.94131581732	3208.33948218775	3206.529325468009	96.9030133625443	99.41028813366278
282	14980	-185481.1413	923077.3170250766	39.40823564395511	-01.4555532	288583.9093314511	4354957.571042997	3462.0260146872224	3304.328118582788	3207.308592010134	3205.8561212728996	94.252958260521	98.47199730889095
283	14980	-184821.1413	923077.3170250766	39.4082483	-01.4532187	288784.970532821	4354955.805182627	3461.4732326111115	3203.731396411115	3206.646414	3205.500294942647	96.0840971756151	97.9010414684677
284	14980	-184161.1413	923077.3170250766	39.40826090724498	-01.4508841	288986.034	4354949.44	3463.09537215121	3301.15312911793	3205.751644840349	3205.402744833434	95.40152807144336	97.13242807335877
285	14980	-183501.1413	923077.3170250766	39.40827346852068	-01.4484949	289187.09357558924	4354945.374070232	3464.753525188299	3209.595307751294	3204.77745423088	3203.30573316186	94.87176623482555	96.289550474
286	14980	-182841.1413	923077.3170250766	39.40828598471111	-01.446275	289388.15457539447	4354941.308818612	3468.4116711272373	3208.058789765528	3202.64727633463028	3202.660502432687	93.78171663	95.39892963317587
287	14980	-182181.1413	923077.3170250766	39.4082984580037	-01.4438984	289589.2153680873	4354937.243769196	3467.349455	3206.54178501961	3203.628696	3201.595577562178	92.86618202	94.9536004547403
288	14980	-181521.1413	923077.3170250766	39.40830818779971	-01.4415458	289790.2760538219	4354933.178922118	3467.566875722574	3205.065188266507	3202.603847729726	3201.894036738712	95.2559054191166	105.2559054191166
289	14980	-180861.1413	923077.3170250766	39.40832356296854	-01.4392113	289991.3364239093	4354929.114279244	3467.784297054334	3204.682144313622	3201.550796966104	3201.8767010556934	92.0578244751821	94.63250537029272
290	14980	-180201.1413	923077.3170250766	39.40833550849797	-01.4368767	290192.3966055017	4354920.05	3468.001718	3292.1816584717	3201.510321062826	3201.669870770415	91.66917277704274	93.8250777704274
291	14981	-179541.1413	923077.3170250766	39.40834789203314	-01.4345421	290383.456718025	4354920.98502186	3467.624680729464	3208.7468499519033	3208.914244485233	3207.114456	91.8423250346997	93.7070899541533
292	14981	-178881.1413	923077.3170250766	39.4083613481196	-01.4322075	290594.53153202133	4354916.921567985	3468.162318256452	3209.4024636302105	3207.9722440101	3206.62618	91.95232227005973	93.793706273306
293	14981	-178221.1413	923077.3170250766	39.40837493203868	-01.4299125	290795.5789	4354909.67768561	3468.45495298995	3212.304321402854	3208.75143097324	3206.7810874619295	91.7427893235323	104.727893235323
294	14981	-177561.1413	923077.3170250766	39.4083849074155	-01.4275384	290966.632502636	4354908.794108207	3464.7011857447234	3206.730558742	3202.6774111057234	3202.2242074549578	91.1529440330178	94.5695464041445
295	14981	-176901.1413	923077.3170250766	39.408396106213	-01.4252038	291197.6947822467	4354904.73086214	3462.4510777880708	3205.528837974205	3209.2839196744476	3201.74358758823	92.5449183	95.3547821538207
296	14981	-176241.1413	923077.3170250766	39.4084086628654	-01.4228692	291398.7533161606	4354906.64745974	3458.91824580172	3204.293301418445	3207.5895518700068	3206.647584718376	96.6897252326671	95.6897252326671
297	14981	-175581.1413	923077.3170250766	39.4084206864173	-01.4205347	291599.8102404905	4354900.64399785	3455.380783816233	3203.840394396899	3208.417343861011	3208.566351032734	96.6661053588816	98.5770136292578
298	14981	-174921.1413	923077.3170250766	39.40843266144671	-01.4182001	291800.8677706853	4354892.541622921	3451.843321825315	3201.949490472289	3208.83051	3208.946801438147	101.05948404741928	100.8401139284741
299	14981	-174261.1413	923077.3170250766	39.40844459132684	-01.4158678	292001.9289054507	4354884.47063692	3448.04639820368	3209.746609895863	3208.754379682938	3207.7918077462937	97.7918077462937	97.7918077462937
300	14981	-173601.1413	923077.3170250766	39.40845647221919	-01.4135207	292109.31513005	4354880.91659728	3447.79107689015	3207.9146899152048	3207.746890515437	3207.746890515437	92.0578244751821	96.8001861137675
301	14981	-172941.1413	923077.3170250766	39.40846831596505	-01.4111964	292404.4404	4354880.35438996	3443.934801108121	3208.450877197976	3208.570117166832	3208.163891204256	95.46557600514746	110.21611967452363
302	14982	-172281.1413	923077.3170250766	39.40848011061195	-01.4088618	292605.10264477634	4354876.29232911	3435.87858182823	3207.290343830074	3206.728508340895	3206.64538906404	111.5675453489179	111.63855453489179
303	14982	-171621.1413	923077.3170250766	39.40849186016247	-01.4065272	292806.1601516303	4354882.72305925	3435.506475237232	3206.162483101616	3206.75623868392	3206.8367838	112.0685923318905	112.2861246289168
304	14982	-170961.1413	923077.3170250766	39.40850356461665	-01.4041926	293007.217454864	4354888.16897931	3438.8240881058036	3205.7930307	3206.16250633615283	3206.7250543776189	112.2861246289168	112.2861246289168
305	14982	-170301.1413	923077.3170250766	39.4085152397443	-01.4018788	293208.274554867	4354884.108	3442.139528698788	3207.919107940534	3206.1058466339077	3206.231259678407	112.3162520546253	112.3162520546253
306	14982	-169641.1413	923077.3170250766	39.40852683235884	-01.399625	293409.3314513005	4354880.45367896	3445.45495298995	3212.304321402854	3208.75143097324	3206.7810874619295	91.7427893235323	104.727893235323
307	14982	-168981.1413	923077.3170250766	39.40853804700776	-01.3971898	293600.3881449121	4354885.95395818	3445.760362878643	3208.82809321443	3207.93437267499	3206.85803597925	114.6478136272233	114.6478136272233
308	14982	-168321.1413	923077.3170250766	39.40854993146928	-01.3948543	293811.4446	4354885.914606708	3443.056524791837	3207.562538150875	3205.730869988424	3206.819584933483	114.83167181624503	114.83167181624503
309	14982	-167661.1413	923077.3170250766	39.40856141044135	-01.3925197	294012.5009239507	4354880.46203058	3442.3542319156357	3209.441973974763	3206.840423195372	3205.808592062045	114.6015560210445	114.6015560210445
310	14983	-167001.1413	923077.3170250766	39.40857284433699	-01.3901851	294213.557097888	4354884.80336747	3447.648316649137	3208.3213091447293	3206.735245208133	3205.8770677931	114.92876393613187	114.92876393613187
311	14983	-166341.1413	923077.3170250766	39.40858423088515	-01.3878055	294414.6128934545	4354886.17345876	3446.7819621986306	3209.746609895863	3205.751644840349	3205.751644840349	116.415436971718	116.415436971718
312	14983	-165681.1413	923077.3170250766	39.408595576778445	-01.3855199	294615.6685751284	4354883.683477305	3446.7819621986306	3209.746609895863	3205.751644840349	3205.751644840349	116.415436971718	116.415436971718
313	14983	-165021.1413	923077.3170250766	39.40860731591519	-01.3832812	294816.7293203836	4354885.54	3445.84515134357	3208.82809321443	3207.93437267499	3206.85803597925	114.6478136272233	114.6478136272233
314	14983	-164361.1413	923077.3170250766	39.4086181285377	-01.380468	295018.3373338036	4354887.564	3445.84515134357	3208.82809321443	3207.93437267499	3206.85803597925	114.6478136272233	114.6478136272233
315	14983	-163701.1413	923077.3170250766	39.40862933274656	-01.3785122	295218.834103799	4354882.505	3446.031120734083	3202.706438775823	3208.428432307496	3206.54159373046	112.8821064683256	112.8821064683256
316	14983	-163041.1413	923077.3170250766	39.4086405	-01.3761776	295419.8893	4354819.45592294	3458.1579205307554	3205.018956302963	3205.420712329383	3205.420712329383	112.73428278175	112.73

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
397	199	146917	-109581.1413	923077.3170250766	39.40934939866244	-101.1870377	311704.68523780435	346491.253426211	3241.057845640725	33.76.0758207090603	3070.1198905112704	3070.0513610181374	65.9559401898695	66.0244598828291
398	199	146918	-108921.1413	923077.3170250766	39.40940242517108	-101.184739	311905.7245511776	3464787.252630374	3248.769725267638	33.73.73.47	3067.654053131367	3067.6144035478278	66.071466531702	66.11746605131702
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401	199	146921	-106841.1413	923077.3170250766	39.4094255050833	-101.1777351	312508.84094125295	3464475.15639705	3259.57567300334	3126.6501594184474	3060.8356045451573	3060.8356045451573	65.854546668471	65.78301268
402	199	146922	-106281.1413	923077.3170250766	39.4094313542447	-101.1754005	312709.878638176	3464471.115323263	3262.355677797944	3124.2788474827	3058.3819208046702	3058.461226989824	65.8966767015655	65.8726617593437
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404	199	146924	-104961.1413	923077.3170250766	39.40944626996231	-101.1707312	313111.95487999125	3464463.01708927	3261.641349258178	3119.5249515517644	3053.682423891449	3053.6750548132709	65.8425188626201	65.8579872029377
405	199	146925	-104301.1413	923077.3170250766	39.40945341953819	-101.168395	313312.992722885	3464458.959532007	3265.02562519237	3117.14556576822	3051.815455381774	3051.815455381774	65.8442465983352	65.83041143
406	199	146926	-103641.1413	923077.3170250766	39.40946052410744	-101.1660181	313514.03081117	3464454.59593473	3265.53705455661	3114.77175425728	3050.180434712234	3050.3985320459615	64.9125991012623	64.37512129
407	199	146927	-102981.1413	923077.3170250766	39.40946578332695	-101.1637272	313715.0678167745	3464450.90838715	3264.869325632516	3112.403751327656	3048.92158263371	3048.92158263371	63.84175052	63.21124480323
408	199	146928	-102321.1413	923077.3170250766	39.40947549759735	-101.1613926	313916.10505387	3464446.86829529	3263.021594328096	3110.0421516010556	3047.88091194564	3048.274138309363	64.176783231690295	64.176783231690295
409	199	146929	-101661.1413	923077.3170250766	39.40948156708805	-101.159058	314117.1421318448	3464442.827935093	3261.17458109387	3107.6852177334044	3046.628967074393	3047.1625894589088	64.05823210295614	64.05823210295614
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412	199	146932	-99681.1413	923077.3170250766	39.4095022241155365	-101.152054	314720.2522409654	3464430.708094284	3256.1766940423945	3100.853289103364	3045.075211188095	3045.075211188095	63.578076915551264	63.578076915551264
413	199	146933	-99021.1413	923077.3170250766	39.4095098	-101.1497194	315142.2888812748	3464426.68851215	3254.692413716123	3098.32683770319	3044.891960416925	3045.033472568984	63.434723339402	63.52972681
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415	199	146935	-97701.1413	923077.3170250766	39.409522343937655	-101.1450501	315323.3607190243	3464418.590070829	3250.4264330839377	3093.706129861723	3042.499904691169	3043.416368	63.20622517055426	63.52894919956325
416	199	146936	-97041.1413	923077.3170250766	39.409529088941746	-101.1427154	315524.396168064	3464410.2661981376	3091.414367	3040.3783556417266	3041.788385710434	3041.788385710434	63.103011729133406	63.508614602608
417	199	146937	-96381.1413	923077.3170250766	39.40953569738419	-101.1403088	315725.4723242348	3464408.1512296051	3243.26903312813	3038.1385039368162	3038.014622378035	3037.67322993893	63.1132881550483	63.4937116896962326
418	199	146938	-95721.1413	923077.3170250766	39.4095426072826	-101.1380481	315926.467174889	3464406.473962497	3241.4815173847251	3036.8768538332	3035.13013689447	3035.90146829056	63.17469013914526	63.49263875829574
419	199	146939	-95061.1413	923077.3170250766	39.40954971789787	-101.135715	316127.404989533	3464402.632984748	3239.458236989122	3034.6232786841374	3033.5162989641237	3033.5162989641237	63.154501938466	63.4917584732687
420	199	146940	-94401.1413	923077.3170250766	39.4095552212133	-101.1333768	316328.5380051834	3464398.3974010253	3232.0638119105103	3032.3987337796	3028.977861107302	3030.500531677534	63.1458287060406	63.18932120043197
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423	199	146943	-92421.1413	923077.3170250766	39.40957440097298	-101.1263729	316931.6421618393	3464386.38284	3220.327478	3025.770849116017	3021.3168352082866	3021.68475929455	63.1458287060406	63.18932120043197
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426	199	146946	-90441.1413	923077.3170250766	39.4095943385381	-101.1193689	317534.7447067538	3464374.71261092	3207.744570592037	3017.744570592037	3015.90146829056	3015.90146829056	63.17469013914526	63.49263875829574
427	199	146947	-89781.1413	923077.3170250766	39.40959930139718	-101.1170343	317735.7785314074	3464370.31641132	3205.439991794375	3016.5712347472425	3010.229372975157	3009.124843439276	63.17469013914526	63.49263875829574
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437	199	146957	-83181.1413	923077.3170250766	39.409658395563056	-101.0938877	319746.107136301	3464329.78007284	3182.58735955686	3004.885613505891	2998.746845331014	2998.746845331014	63.17469013914526	63.49263875829574
438	199	146958	-82521.1413	923077.3170250766	39.40966405693761	-101.091331	319947.138899306	3464325.74553132	3180.917	3004.885613505891	2998.45673725166124	2998.45673725166124	63.17469013914526	63.49263875829574
439	199	146959	-81861.1413	923077.3170250766	39.4096702817816	-101.088838	320149.177453927	3464321.86477536	3178.032081317927	3003.97103895565	2998.45673725166124	2998.45673725166124	63.17469013914526	63.49263875829574
440	199	146960	-81201.1413	923077.3170250766	39.40967543439089	-101.086638	320349.20211508183	3464317.61745255	3176.05532036722	3004.162176525094	2998.45673725166124	2998.45673725166124	63.17469013914526	63.49263875829574

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevKgr.ft
521	19	147043	-26421.14133	922077.3172025076	39.409980473494056	-100.8929063	370304.2267069081	4363983.549710375	306.423793278539	290.195424785825	2833.696331675277	2833.725640223985	96.49939162	96.46987267929657
524	19	147044	-25761.14133	922077.3172025076	39.40998222035984	-100.8905716	373725.2442070034	4363979.523253183	306.070894457247	2928.730527870739	2832.320742652216	2832.341695764802	96.58572620522266	96.38883210593713
525	19	147045	-25101.14133	922077.3172025076	39.4099836812464	-100.8882247	374365.2615489637	4363955.155850995	307.256128072903	2927.256128072903	2830.642292121497	2830.642292121497	96.5103384916198	96.5103384916198
526	19	147046	-24441.14133	922077.3172025076	39.4099856507111	-100.8850023	37637.278729305	4363941.48877793	306.43651087801263	2928.128291669004	2828.128291669004	2828.128291669004	96.5913011300228	96.6353083427529
527	19	147047	-23781.14133	922077.3172025076	39.4099872983585	-100.8835676	378378.295758691	4363967.482195575	306.456797888754	2924.277636155624	2827.43576045072	2827.43576045072	96.6187571	96.8635405092027
528	19	147048	-23121.14133	922077.3172025076	39.40998980082641	-100.8812329	338039.3126270084	4363951.898491332	306.536660777173	2922.7264809088025	2825.5167005067497	2825.5167005067497	97.2554970350569	97.2554970350569
529	19	147049	-22611.14133	922077.3172025076	39.40999148819526	-100.8789892	338240.2393380545	4363959.446940654	306.0852378850546	2921.2567697888753	2823.625828294047	2823.625828294047	97.6248430634075	97.6124246519692
530	19	147050	-21801.14133	922077.3172025076	39.40999197046489	-100.8765636	338441.34589181724	4363953.43669738	306.643868485046	2919.729906353379	2821.7270302457	2821.7174232578785	98.0013060513312	98.01116717250038
531	19	147051	-21141.14133	922077.3172025076	39.40999347653529	-100.8742288	338662.3622885723	4363951.478969897	306.643868485046	2918.91748878161	2819.717904142075	2819.6954540926333	98.13844737649334	98.13844737649334
532	19	147052	-20461.14133	922077.3172025076	39.40999456970465	-100.8718542	338943.3785253106	4363947.40223935	306.6701784469293	2916.641919520023	2817.84149697509	2817.8857996450926	98.8004657249337	98.75619717
533	19	147053	-19821.14133	922077.3172025076	39.40999623667839	-100.8695595	339044.3964118963	4363943.38962436	306.1196518251154	2816.1202882393372	2816.1202882393372	2816.1202882393372	98.95824015	98.92876971974561
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535	19	147055	-18501.14133	922077.3172025076	39.4099985532461	-100.8648902	339436.426936662	4363935.356812201	306.52612299	2911.2021466736106	2813.138225966931	2813.138225966931	98.77146870679595	98.77146870679595
536	19	147056	-17841.14133	922077.3172025076	39.41000096998936	-100.8625555	339647.44192421456	4363931.342034345	305.85151767183324	2910.320828228004	2812.076442437424	2812.076442437424	98.2443839045143	98.2504427026068
537	19	147057	-17181.14133	922077.3172025076	39.41001239557385	-100.8602208	339848.4571932541	4363927.327	305.020513307776	2908.707123260775	2811.175129156128	2811.1884926814973	97.51827409186399	97.51827409186399
538	19	147058	-16521.14133	922077.3172025076	39.4100244504963	-100.8578861	340049.4728670002	4363923.31130824	304.091213480023	2907.707446547529	2810.4851168721693	2810.4183224030212	96.6592651445078	96.6592651445078
539	19	147059	-15861.14133	922077.3172025076	39.4100355142616	-100.8555515	340250.4878351141	4363919.29842538	304.526562050484	2905.429082039383	2809.612783061996	2809.612783061996	95.81631903	95.8904602217903
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541	19	147061	-14541.14133	922077.3172025076	39.4100562881486	-100.8508821	340652.5176660764	4363911.271252949	304.0486907349035	2902.0743288175216	2807.1307181133566	2807.05219894348	95.4931808410562	95.0221298669680
542	19	147062	-13881.14133	922077.3172025076	39.4100659996027	-100.8485474	340853.532343354	4363908.352902081	303.502352902081	2900.346828105254	2805.772964646409	2805.687349026125	94.918676464646	94.67774780040046
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544	19	147064	-12561.14133	922077.3172025076	39.41008406420104	-100.8438781	341255.561254334	4363899.231	303.265191338418	2896.97806091256	2802.842159050057	2802.844117397916	94.058473119696	93.9959159146342
545	19	147065	-11901.14133	922077.3172025076	39.4100937222065	-100.8411926	341459.7465336767	4363893.09	302.969812816047	2894.4296940035	2801.93085413957	2801.93085413957	93.8687471535557	93.8687471535557
546	19	147066	-11241.14133	922077.3172025076	39.410100323333	-100.8392077	341657.5896	4363891.20540187	302.7071488574154	2893.30711002133	2800.625735652614	2800.137629059415	93.2813374087144	93.15948705121361
547	19	147067	-10581.14133	922077.3172025076	39.4101078	-100.836874	341858.683551541	4363887.19242538	302.49147996873	2797.1458728458	2798.6653831376903	2798.603524238221	92.8271663	92.876573959207
548	19	147068	-9921.141327	922077.3172025076	39.4101147934906	-100.8345394	342059.6173106326	4363883.18043296	302.618010330446	2889.658730102253	2797.35269685116	2797.35269685116	92.3005132521094	92.1348875022496
549	19	147069	-9261.141327	922077.3172025076	39.4101213473303	-100.8322047	342260.6309164127	4363879.168362947	302.8978959794823	2796.2109235577077	2796.337875195454	2796.337875195454	91.4771722264682	91.4771722264682
550	19	147070	-8601.141327	922077.3172025076	39.410127450177	-100.82987	342461.6444	4363875.15639389	302.8142526432223	2885.9473410821674	2796.3140654320196	2796.3527656034895	90.827265601788	90.5917782
551	19	147071	-7941.141327	922077.3172025076	39.4101331020324	-100.8267733	342659.67869756	4363871.144613108	302.698168373473	2884.236987372897	2795.871685754121	2794.236987372897	89.837816316851	89.837816316851
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553	19	147073	-6621.141327	922077.3172025076	39.41014305276384	-100.822866	343064.68381054455	4363863.121703042	302.5029900364773	2880.292760873975	2793.27573564269	2793.380687113667	87.9101585547024	86.9120737602735
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556	19	147076	-4641.141327	922077.3172025076	39.4101595496162	-100.8158619	343667.7218814478	4363851.08843569	302.1056258167129	2779.959387220964	2797.958398722096	2797.958398722096	75.53321222369	75.564443
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558	19	147078	-3321.141327	922077.3172025076	39.41016003722065	-100.8111926	344069.7465336767	4363843.09	300.69812816047	2780.94107485516	2797.958398722096	2797.958398722096	67.022710830214	67.022710830214
559	19	147079	-2661.141327	922077.3172025076	39.4101620811344	-100.8088579	344270.75858733885	4363839.05790637	299.804845551127	2788.7204104715324	2804.9191658870964	2805.1343915843368	63.801245843606	63.801245843606
560	19	147080	-2001.141327	922077.3172025076	39.4101637	-100.8055232	344471.7705205288	4363835.04781072	299.631073938977	2786.764717608215	2804.1400483755683	2804.26096542093	62.2469925952317	62.2469925952317
561	19	147081	-1341.141327	922077.3172025076	39.4101646159831	-100.8041885	344672.78023323	4363831.038092027	299.67129293367	2786.8032646581916	2800.43329	2800.553425274093	64.3699746694017	64.2494813291243
562	19	147082	-681.1413269	922077.3172025076	39.4101655061936	-100.8018539	344873.793376224	4363827.028544013	299.672471078617	2786.834785838055	2794.149518539097	2794.149518539097	68.685604039838	68.78817163022076
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565	19	147085	138.85867303514	922077.3172025076	39.41016553518094	-100.7971481	345275.8167455197	4363819.01049456	298.631732571777	2785.802117744114	2777.919148215256	2776.9132150936567	65.06269596	65.06269596
566	19	147086	1858.85867303514	922077.3172025076	39.4101638	-100.7925151	345467.83895717293	4363819.01049456	298.631732571777	2785.802117744114	2777.919148215256	2776.9132150936567	65.06269596	65.06269596
567	19	147087	2618.85867303514	922077.3172025076	39.41016219670496	-100.7901805	345678.8498384742	4363806.98381						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevKgr.ft	SatHtgsKgr.ft	SatHtBoth.ft
49	14718	56738.8586730335	32027.3170250766	39.409849922020435	-100.5987371	362361.2527155903	4363478.965081071	2862.996158891749	2681.753070805655	2681.753070805655	2682.583680376446	2654.175556061578	31639956642088	37.57851907067614
50	14719	57398.8586730335	32027.3170250766	39.409846022378354	-100.5964204	362362.2518941127	436347.937159014	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
51	14720	58188.8586730335	32027.3170250766	39.40984207786572	-100.5940478	362363.2510841272	436347.937159014	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
52	14721	58978.8586730335	32027.3170250766	39.4098380782454	-100.5917331	362364.2498542248	436346.9994901408	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
53	14722	59378.8586730335	32027.3170250766	39.40983405289524	-100.5893384	363165.24863621977	436346.9994901408	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
54	14723	60378.8586730335	32027.3170250766	39.40982997	-100.5870638	363366.2472645524	436346.9994901408	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
55	14724	60988.8586730335	32027.3170250766	39.40982584773909	-100.5847291	363567.2458051291	436345.016547138	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
56	14725	61778.8586730335	32027.3170250766	39.409821751266	-100.5823344	363768.2441924487	436345.016547138	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
57	14726	62188.8586730335	32027.3170250766	39.40981765218734	-100.5800588	363969.2424848153	436344.0473530181	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
58	14727	62678.8586730335	32027.3170250766	39.409813382176312	-100.5777251	364170.2405739445	436343.0473530181	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
59	14728	63168.8586730335	32027.3170250766	39.40980986240015	-100.5753904	364371.2368583305	436342.0473530181	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
60	14729	63698.8586730335	32027.3170250766	39.4098054561804	-100.5730558	364572.2346269128	436341.050437187	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
61	14730	64248.8586730335	32027.3170250766	39.4098015	-100.5707211	364773.2341659124	436340.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
62	14731	64818.8586730335	32027.3170250766	39.4097970977514	-100.5683865	364974.2317694153	436340.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
63	14732	65418.8586730335	32027.3170250766	39.4097932315898	-100.5660518	365175.229242998	436340.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
64	14733	66038.8586730335	32027.3170250766	39.4097889141594	-100.5637171	365376.226586072	436341.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
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66	14735	67298.8586730335	32027.3170250766	39.4097798410356	-100.5590478	365778.2208862952	436341.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
67	14736	67958.8586730335	32027.3170250766	39.4097748410356	-100.5567131	365979.2178	436340.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
68	14737	68618.8586730335	32027.3170250766	39.409772849652	-100.5543785	366180.2166693291	436340.05280121	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
69	14738	69278.8586730335	32027.3170250766	39.4097710837	-100.5520478	366381.213677118	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
70	14739	69938.8586730335	32027.3170250766	39.409768596223	-100.549791	366582.207376135	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
71	14740	70638.8586730335	32027.3170250766	39.4097659482874	-100.5475029	366783.194640329	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
72	14741	71378.8586730335	32027.3170250766	39.4097633056244	-100.5452058	366984.200627855	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
73	14742	72118.8586730335	32027.3170250766	39.40976062152279	-100.5429052	367185.196878385	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
74	14743	72858.8586730335	32027.3170250766	39.40975798410356	-100.5406305	367386.193641235	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
75	14744	73598.8586730335	32027.3170250766	39.4097553115	-100.5383058	367587.188669674	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
76	14745	74338.8586730335	32027.3170250766	39.409752642398	-100.5360112	367788.174072946	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
77	14746	75078.8586730335	32027.3170250766	39.40974997248274	-100.5337178	367989.168465562	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
78	14747	75818.8586730335	32027.3170250766	39.4097473021581	-100.5314232	368189.1579959215	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
79	14748	76558.8586730335	32027.3170250766	39.409744632677	-100.5291286	368389.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
80	14749	77298.8586730335	32027.3170250766	39.40974196215229	-100.5268325	368589.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
81	14750	78038.8586730335	32027.3170250766	39.409739242398	-100.5245378	368789.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
82	14751	78778.8586730335	32027.3170250766	39.40973657241	-100.5222427	368989.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
83	14752	79518.8586730335	32027.3170250766	39.40973390241	-100.5199478	369189.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
84	14753	80258.8586730335	32027.3170250766	39.40973123241	-100.5176529	369389.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
85	14754	80998.8586730335	32027.3170250766	39.40972856241	-100.5153578	369589.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
86	14755	81738.8586730335	32027.3170250766	39.40972589241	-100.5130629	369789.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
87	14756	82478.8586730335	32027.3170250766	39.40972322241	-100.5107680	369989.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
88	14757	83218.8586730335	32027.3170250766	39.40972055241	-100.5084731	370189.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
89	14758	83958.8586730335	32027.3170250766	39.40971788241	-100.5061782	370389.167418734	436339.16461188	2858.703738208488	2689.760358910898	2628.057190293615	2649.09641709293615	2649.09641709293615	61.6636516963524	37.57851907067614
90	1													

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgrg	BRElevBothKgr	SatHtKgr	SatHtBoth
35	200	147295	-348501.1413	723737.3170250766	39.40054226566277	-102.032189	238918.92867820346	4366169.383343257	3961.1562637407333	3993.802403696483	3600.021348276964	97.35368007125044	91.13491448376929
36	200	147296	-347641.1413	723737.3170250766	39.40566055447398	-102.029858	239120.470690645	4366165.26685784	3897.2545248955228	3690.06329121488	3594.610343275471	90.500509816692878	89.54484124230037
37	200	147297	-347181.1413	723737.3170250766	39.40566098019673	-102.027607	239321.16445451064	4366161.150810345	3892.8662841910414	3689.862849128885	3594.165511915475	93.8273409141009	88.25126037450422
38	200	147298	-346521.1413	723737.3170250766	39.40561349985956	-102.0251683	239852.2848411704	4366170.05535332	3891.079103235539	3595.4133965720794	3600.036025545398	94.45373067527964	87.8747007706987
39	200	147299	-345861.1413	723737.3170250766	39.405663715437662	-102.022852	239723.0431790299	4366152.919	3885.263674	3686.844986990045	3595.405452655265	93.9486473384193	87.9102397701181
40	200	147300	-345201.1413	723737.3170250766	39.40566078336394	-102.0205176	239924.5211590052	4366148.803054662	3883.744665498967	3595.302946100694	3599.053186732294	93.94056244502069	86.28027968
41	200	147301	-344541.1413	723737.3170250766	39.40566432802211	-102.018183	240125.6389	4366144.6876191	3881.294228425425	3684.7238690939271	3595.026621291481	93.9466473384193	85.284169309473
42	200	147302	-343881.1413	723737.3170250766	39.40567074748186	-102.015849	240236.7563	4366140.573273621	3873.191723185396	3683.6681704070511	3594.697883431904	93.89872712371109	84.9444503754466
43	200	147303	-343221.1413	723737.3170250766	39.40573156272684	-102.0135146	240327.8736	4366136.457340443	3862.6185425783182	3682.6185425783182	3594.203685978564	93.81485651770472	83.1485651826492
44	200	147304	-342561.1413	723737.3170250766	39.40575475077506	-102.011183	240472.9050410767	4366132.342511252	3851.7236567789314	3681.527698728116	3593.52156627404	93.7625183835112	80.0511208702117
45	200	147305	-341901.1413	723737.3170250766	39.40567813784884	-102.008459	240890.1077179196	4366128.228	3875.123457	3680.528709916845	3592.633875	93.69462873007449	110.0527040182691
46	200	147306	-341241.1413	723737.3170250766	39.405801473712955	-102.0065116	241131.22364677334	4366124.1147011995	3873.896347347893	3679.48491456343	3591.454742479993	93.666176218323709	112.7186961326245
47	200	147307	-340581.1413	723737.3170250766	39.40582467574585	-102.0041772	241332.3398118573	4366119.99352562	3872.88838378166	3678.437987096512	3590.139861525372	93.65637636392878	88.2801257114019
48	200	147308	-339921.1413	723737.3170250766	39.40584081629519	-102.0018429	241533.45573945364	4366115.885	3872.093565339013	3677.3847786747406	3588.1432433074815	93.644753671987	89.124533670528437
49	200	147309	-339261.1413	723737.3170250766	39.405861271995282	-101.9995908	241734.5710768235	4366111.71473487	3871.296747899616	3676.3180419292845	3585.9967164453634	93.6483869794813	90.38508771429118
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51	200	147311	-337941.1413	723737.3170250766	39.40591748200088	-101.9948398	242136.8017865256	4366103.54454034	3869.477973322384	3674.1549470626683	3580.688008723037	93.64669481906652	114.5107711857457
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53	200	147313	-336621.1413	723737.3170250766	39.40596368	-101.9907171	242539.3015234182	4366093.31267272	3866.972481168437	3671.919030209002	3574.5836557317766	93.65338348	113.35495128656708
54	200	147314	-335961.1413	723737.3170250766	39.40598561690437	-101.9878367	242740.14591547186	4366085.2049647	3865.71928436536	3670.71530864337	3571.52011157038	93.65862507640893	99.251433923939572
55	200	147315	-335301.1413	723737.3170250766	39.40600949502704	-101.9855024	242941.26005179776	4366087.09221469	3864.58753939724	3669.0399115535174	3569.989115535174	93.6618871118717	100.20688431892844
56	200	147316	-334641.1413	723737.3170250766	39.40603238	-101.983168	243124.3735352471	4366082.905651275	3863.57522059498	3668.41639502808	3568.613284378862	93.63737768	100.8031107105287
57	200	147317	-333981.1413	723737.3170250766	39.40605590240426	-101.9808924	243307.4659760654	4366078.889	3862.5109057814273	3667.240937917282	3567.408927869493	93.63974087869242	101.878313294021
58	200	147318	-333321.1413	723737.3170250766	39.40607732859024	-101.978493	243544.6003410748	4366074.7545221	3861.57453720898	3665.993110809717	3560.7517156917834	93.65011292913166	102.275395381983
59	200	147319	-332661.1413	723737.3170250766	39.406100776216414	-101.9761649	243745.7140531896	4366070.64649444	3860.1351706381414	3664.75384682794	3557.863002229245	93.6612063191908	106.8908428389648
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62	200	147322	-330681.1413	723737.3170250766	39.40616876438257	-101.9691618	244349.0518888933	4366058.106303598	3854.631262261735	3660.98725979069	3549.330223205796	93.654810627913113	111.6552356811923
63	200	147323	-330021.1413	723737.3170250766	39.4061913367895	-101.9668274	244556.16399419378	4366050.189993838	3853.51164861089	3659.578895196974	3548.626874710791	93.65820744112564	112.7678988088582
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65	200	147325	-328701.1413	723737.3170250766	39.406236346334424	-101.962158	244952.3846416444	4366045.978	3849.2034660409334	3657.157882275283	3541.35084322982	93.6327645891778	115.8703035045638
66	200	147326	-328041.1413	723737.3170250766	39.406258783472275	-101.9598243	245153.49879323674	4366041.868	3847.5982725057911	3655.861207365374	3538.280173063574	93.63563297856903	120.2268672432061
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73	200	147333	-323421.1413	723737.3170250766	39.40641458092073	-101.9434836	246561.2712	4366013.10586208	3805.78926023698	3646.645326458756	3509.711890555227	93.63243590259227	123.101558617321
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76	200	147336	-321441.1413	723737.3170250766	39.40648067491627	-101.9364044	247164.59851948803	4366000.776143424	3800.050995028815	3642.566559580463	3518.2778363423986	93.64291626264794	124.81642284574103
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78	200	147338	-320121.1413	723737.3170250766	39.406524512112635	-101.9318116	247566.815483754	4365992.56	3800.828106235152	3639.91975261102	3520.51830083939	93.6421213664881	125.740716
79	200	147339	-319461.1413	723737.3170250766	39.40654638088914	-101.9294772	247767.9235176074	4365988.45244604	3799.2308255507	3638.38234422022	3520.466575114173	93.6715869430412884	117.9166930764893
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81	200	147341	-318141.1413	723737.3170250766	39.406589925752386	-101.9248084	248170.13883476342	4365980.28	3792.975878	3635.525534956644	3517.5316994591685	93.67876749784447	116.7959102
82	200	147342	-317481.1413	723737.3170250766	39.4066116454848	-101.922474	248371.24626876486	4365976.13078758	3789.857275783357	3634.075042833806	3515.031228416858	93.671886754851	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Ln	BR ElevLogsKrg.f	BR ElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
161	200	14721	-265341.1413	72373.7172052076	39.40818486933829	-101.7380521	264257.9558	4356562.32001633	3633.1043312807237	34.781921882	3320.148990117401	3229.5934873297374	158.7730726	324.3284843813428
162	200	14722	-264681.1413	72373.7172052076	39.40622280463795	-101.7357176	264459.433694439	4356648.229315449	3640.697701010393	34.7130306472377	3321.8430561300326	3226.7960739833314	157.4442263637603	325.4442263637603
163	200	14723	-264021.1413	72373.7172052076	39.40822086781578	-101.7313631	264460.1316977028	4356703.717194272	3643.92730661474	34.721505174488	3307.17870200277	3181.1525819599974	158.539232144895	284.539232144895
164	200	14724	-263361.1413	72373.7172052076	39.40823886062433	-101.7310086	264481.2193055074	4356708.48526761	3647.178962361135	34.7412860743358	3303.238962186788	3167.1226212080877	160.889372048493	307.006034626503
165	200	14725	-262701.1413	72373.7172052076	39.40825689911911	-101.7287141	265002.3066572733	4356635.93643966	3641.637641806994	34.72615271537517	3301.00015708393	3168.07818689918	171.5611000715877	304.4823420383376
166	200	14726	-262041.1413	72373.7172052076	39.40827476708039	-101.7263796	265263.387889943	435631.86855213	3640.13157167338	3300.456918675097	3158.6488473625634	3105.488473625634	285.364209807474	285.364209807474
167	200	14727	-261381.1413	72373.7172052076	39.40829266994803	-101.7240451	265464.408688849	4356627.778871437	3637.668187051316	34.6992350250083	3302.11908484648	3206.122510149524	167.3638054035026	263.364201005345
168	200	14728	-260721.1413	72373.7172052076	39.408310507722035	-101.7217106	265665.567353326	4356623.698394991	3647.969728540984	34.66796972854098	3305.481788847757	3216.1477593897414	151.8249691535285	251.8249691535285
169	200	14729	-260061.1413	72373.7172052076	39.40832630402028	-101.7193767	265866.8397943627	4356619.717194272	3648.639465218345	34.64670468083766	3310.37156610855	3215.8698969914953	156.0891724265647	250.8691724265647
170	200	14730	-259401.1413	72373.7172052076	39.40834054795881	-101.7170415	266067.7400002142	4356615.1053185	3644.125159934942	34.64493742039144	3315.7542039144	3212.130265287	149.2263671701114	249.2263671701114
171	200	14731	-258741.1413	72373.7172052076	39.4083635048158	-101.714707	266268.82597517245	4356611.422188418	3618.5380958543035	34.635081238878647	3302.89608	3209.930721804035	142.6211576845471	233.5711020838212
172	200	14732	-258081.1413	72373.7172052076	39.40838140788503	-101.7123725	266469.9117936283	4356607.33527628	3611.878309795832	34.6204307096549	3325.632385714528	3206.393340258114	136.4169213820645	226.694663848024
173	200	14733	-257421.1413	72373.7172052076	39.40839902018566	-101.7100738	266667.90972	4356603.25070812	3605.218519	34.625872098491604	3328.446841148251	3260.557095065576	131.14036807090922	220.0496607926028
174	200	14734	-256761.1413	72373.7172052076	39.40841659	-101.7077035	266872.058164238	4356599.157	3598.558729218887	34.5911395376134435	3332.3217276414	3276.142715742655	126.8164103699692	212.9982919
175	200	14735	-256101.1413	72373.7172052076	39.40843410591425	-101.705389	267073.167659448	4356595.08769966	3595.192968015467	34.571995534733802	3334.1688738173847	3252.95525684513	118.266903826858	206.168403826858
176	200	14736	-255441.1413	72373.7172052076	39.40845158653763	-101.7030344	267274.252392026	4356590.98021118	3596.121253390976	34.5642527852116173	3334.77650480406	3298.702531912904	121.47328114161149	157.55025382032682
177	200	14737	-254781.1413	72373.7172052076	39.40846901866704	-101.700699	267475.3369863964	4356586.89238113	3510.04952778524	34.554810640059387	3335.280654711663	3307.49897295878	119.52998592423076	147.1367604616585
178	200	14738	-254121.1413	72373.7172052076	39.40848640530245	-101.6983654	267674.421305458	4356582.905846044	3516.977701670012	34.553368360131116	3335.25689651793	3314.91190573447	118.13267045131852	139.13267045131852
179	200	14739	-253461.1413	72373.7172052076	39.40850375	-101.6960309	267877.5054852187	4356578.718621201	3511.925234185094	34.543653175228695	3339.2868372959194	3271.45991846222432	132.638298891744	132.638298891744
180	200	14740	-252801.1413	72373.7172052076	39.40852104369113	-101.693693	268078.5894	4356574.83158363	3512.221919055474	34.550480631819139	3335.52056664703	3322.62127819139	119.564265171989	127.564265171989
181	200	14741	-252141.1413	72373.7172052076	39.4085383	-101.6913618	268279.673076057	4356574.54758374	3512.7040490248925	34.544032941261706	3335.445541990434	3325.5307621180173	116.5897422180173	123.530362180173
182	200	14742	-251481.1413	72373.7172052076	39.4085555	-101.6890273	268480.7965157452	4356565.48136977	3512.4279807	34.54739865007386	3331.55517073595	3326.5643390145456	116.42087492272094	121.3152628621034
183	200	14743	-250821.1413	72373.7172052076	39.40857283068626	-101.686691	268688.334264354	4356557.19188457	3512.17896126389	34.54277774565683	3329.617144677817	3298.617144677817	120.913451402295	120.913451402295
184	200	14744	-250161.1413	72373.7172052076	39.40859075333892	-101.6843582	268892.927265914	4356552.28505858	3512.1724265542134	34.54468473825014	3328.406742000992	3326.260505	116.277318240218	118.420342934392
185	200	14745	-249501.1413	72373.7172052076	39.4086068505136	-101.6820237	269084.058495556	4356554.195	3518.53846819734	34.542373158151927	3326.82760014265	3315.635920735514	116.2202374164214	116.2202374164214
186	200	14746	-248841.1413	72373.7172052076	39.408623876597524	-101.6796892	269285.08025359	4356550.13890278	3516.0140111371143	34.541784064609555	3325.057848862324	3320.47834355161	116.7625174536304	117.3047162543052
187	200	14747	-248181.1413	72373.7172052076	39.40864085758539	-101.6773546	269486.10733110677	4356546.22960298	3516.214908768026	34.540381672600185	3323.165195251147	3323.0331444054136	117.1279720088715	117.3047162543052
188	200	14748	-247521.1413	72373.7172052076	39.40865779347894	-101.6750201	269687.25241340266	4356541.44226054	3516.195934071428	34.53890044681148	3321.032333919023	3321.27106510246	117.86807192002182	117.86807192002182
189	200	14749	-246861.1413	72373.7172052076	39.40867486	-101.6726896	269888.334264354	4356537.19188457	3516.214908768026	34.5377774565683	3329.617144677817	3298.617144677817	120.913451402295	120.913451402295
190	200	14750	-246201.1413	72373.7172052076	39.40869152996285	-101.670351	270089.4158924003	4356533.72505489	3516.214908768026	34.5377774565683	3329.617144677817	3298.617144677817	120.913451402295	120.913451402295
191	200	14751	-245541.1413	72373.7172052076	39.4087038309318	-101.6680165	270290.497391631	4356529.68718908	3516.214908768026	34.5377774565683	3329.617144677817	3298.617144677817	120.913451402295	120.913451402295
192	200	14752	-244881.1413	72373.7172052076	39.40872508610905	-101.665682	270491.5784647177	4356525.60313616	3517.1505551537505	34.534383902979014	3312.1651801634784	3212.2220133523023	121.0277133482523	121.0277133482523
193	200	14753	-244221.1413	72373.7172052076	39.40874179653044	-101.6633474	270692.6594102992	4356521.5147523138	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
194	200	14754	-243561.1413	72373.7172052076	39.40876458185726	-101.6610129	270893.7401302018	4356517.43857208	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
195	200	14755	-242901.1413	72373.7172052076	39.408787502609334	-101.6586783	271084.6025405224	4356513.35081638	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
196	200	14756	-242241.1413	72373.7172052076	39.40881075722723	-101.6563438	271295.200921763	4356509.2638965	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
197	200	14757	-241581.1413	72373.7172052076	39.40883919	-101.6540093	271496.98039342152	4356505.18279648	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
198	200	14758	-240921.1413	72373.7172052076	39.40886247221871	-101.6516747	271698.0607517451	4356501.099919738	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
199	200	14759	-240261.1413	72373.7172052076	39.40888411120743	-101.6493402	271899.1403	4356497.017	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
200	200	14760	-239601.1413	72373.7172052076	39.4089057506831446	-101.6470056	272100.21971050515	4356492.93831255	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
201	200	14761	-238941.1413	72373.7172052076	39.40892738	-101.6446711	272301.298852689	4356488.05102666	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
202	200	14762	-238281.1413	72373.7172052076	39.40895016107329	-101.6423365	272502.37870791379	4356484.76851807	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
203	200	14763	-237621.1413	72373.7172052076	39.40897304343555	-101.639991	272703.5602223102	4356480.16406806	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
204	200	14764	-236961.1413	72373.7172052076	39.40899525349272	-101.6376764	272904.530342152	4356476.83607389	3516.818590550945	34.53210033890241	3309.4513707295587	3209.529977550007	122.6686631606838	122.6686631606838
205	200	14765	-236301.1413	72373.										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatThvLog.f	SatThvBoth.f
287	200	147547	-182181.1413	72373.71720250766	39.4101122495513	-101.438964	28993.2869324333	358138.496	3462.5910538979792	3295.997468802386	3201.7156986790424	3197.915506688815	94.2817701233435	98.08196211357063
288	200	147548	-181521.1413	72373.71720250766	39.41012365172235	-101.441816	28979.34740550874	358134.341096549	3463.124136387295	3294.519490794946	3201.017248170396	3197.435959	93.30476598	97.07898376554575
289	200	147549	-180861.1413	72373.71720250766	39.41013603246214	-101.452514	28965.40767194604	358130.366205027	3463.661237274642	3293.6623274642	3200.4831014665917	3198.1628930465675	92.5731314665917	94.9033148665917
290	200	147550	-180201.1413	72373.71720250766	39.41014836868277	-101.436825	28966.196746318949	358136.30160548	3464.190331010231	3291.6395967937187	3200.257057745881	3199.398413217987	91.802098283753	92.2411835217313
291	200	147551	-179541.1413	72373.71720250766	39.41016068922232	-101.4345579	290387.5272855213	358122.237	3463.928018882767	3290.24146344869	3198.696090759503	3198.0408889772	91.54505554736352	92.00105735689704
292	200	147552	-178841.1413	72373.71720250766	39.41017260954455	-101.4232233	290598.5866314995	358116.179228983	3462.8487171557073	3289.871885737521	3196.4054870706727	3195.9852914087934	91.46523986668436	93.0506683
293	200	147553	-178221.1413	72373.71720250766	39.41018511	-101.4298887	29079.6614746884	358114.108984675	3461.77624231409	3287.53323	3194.8152681079	3193.8920589586512	91.31471699079084	93.693133321854
294	200	147554	-177561.1413	72373.71720250766	39.41019726209715	-101.4272584	29100.70531026804	358110.1045	3460.704675067297	3286.274583947965	3192.5447915232334	3192.1617890914	93.6799668	94.071590503828236
295	200	147555	-176901.1413	72373.71720250766	39.41020932727538	-101.4252194	291201.7640215108	358105.381455243	3459.689927053638	3285.845216744615	3190.102723681017	3190.32602675129	94.6058931485988	94.61261391
296	200	147556	-176241.1413	72373.71720250766	39.41022143826057	-101.422848	291402.822669481	358101.91810733	3455.76217465307	3283.92249660417	3187.862647143356	3187.76171182918	96.02909152	95.9433749
297	200	147557	-175581.1413	72373.71720250766	39.41023345896254	-101.4205051	291601.88185	358097.054788363	3452.82452298137	3282.46383432543	3184.2417892039387	3184.36426010298	92.220042316044	98.09963282224498
298	200	147558	-174921.1413	72373.71720250766	39.4102543403455	-101.418215	291804.938025763	358093.791769386	3448.88696202943	3281.255431	3180.30114083339	3180.36537538618	90.95429004248126	90.8189338752022
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300	200	147560	-173601.1413	72373.71720250766	39.41026924941896	-101.4135462	292207.05581974913	358085.6634049	3442.621304125977	3278.873865896944	3171.605044194535	3171.522445689644	90.2823423951595	90.73649409126574
301	200	147561	-172941.1413	72373.71720250766	39.4102810694468	-101.4112116	292408.1135218919	358081.60330571	3438.756811059478	3277.22305542014	3167.1826271700577	3166.982874414267	90.17399201015984	90.17399201015984
302	200	147562	-172281.1413	72373.71720250766	39.41029288441359	-101.4088769	292609.1710200114	358077.541723852	3434.892317890433	3276.56633300936	3163.9185897338496	3163.752401610618	91.6411322002743	91.6411322002743
303	200	147563	-171621.1413	72373.71720250766	39.41030463246467	-101.406423	292810.228314319	358073.47971921	3434.202572378684	3275.417879944837	3161.494322186361	3161.497576279668	91.923577584773	91.923577584773
304	200	147564	-170961.1413	72373.71720250766	39.41031633901825	-101.4042077	293011.2840500544	358069.47191878	3433.687542046694	3274.27404464694	3159.1769215458094	3159.303475191246	91.0574833191744	91.474709673458921
305	200	147565	-170301.1413	72373.71720250766	39.410328	-101.401873	293212.3422922913	358065.365320813	3432.71257640528	3273.134418	3156.754211105067	3156.88065950545	91.38020676505312	91.38020676505312
306	200	147566	-169641.1413	72373.71720250766	39.41033961323278	-101.3995384	293413.3898763762	358061.29428519	3431.657578187376	3271.964620180426	3154.361402161659	3154.596585456383	91.673050856338	91.713999034724028
307	200	147567	-168981.1413	72373.71720250766	39.41035118269368	-101.3972037	293614.45545746658	358057.23373798	3431.832984341394	3270.859295769545	3152.077266108454	3152.344772728224	91.720296610916	91.81541024672308
308	200	147568	-168321.1413	72373.71720250766	39.41036270570702	-101.3948891	293812.22477176724	358053.127447474	3431.747395213327	3269.721872777583	3150.0320191250003	3150.27136343074	91.6889653477706	91.6889653477706
309	200	147569	-167661.1413	72373.71720250766	39.4104211865546	-101.3921876	294016.27881148457	358049.118685424	3431.54689719247	3268.54689719247	3148.23683629154	3148.23683629154	91.55531258903	91.55531258903
310	200	147570	-167001.1413	72373.71720250766	39.4103852049075	-101.390198	294217.6237	358045.0513573975	3435.46762	3267.45587481493	3146.13174504929	3146.2710635911	91.21312848665413	91.21312848665413
311	200	147571	-166341.1413	72373.71720250766	39.41039705956111	-101.3878652	294418.6735558357	358040.99095139	3434.363463963372	3266.30736637374	3144.174838573754	3144.213250636189	91.2215839678595	91.2215839678595
312	200	147572	-165681.1413	72373.71720250766	39.41040835333382	-101.3855305	294619.73482518224	358036.390817809	3434.296360170444	3265.701349056041	3142.922387378882	3142.922387378882	91.2247961715791	91.2247961715791
313	200	147573	-165021.1413	72373.71720250766	39.41041965240879	-101.3831959	294820.7901	358032.878084392	3434.223373649984	3264.03234317672	3142.923149612878	3142.9387454547606	91.2109930720496	91.2109930720496
314	200	147574	-164361.1413	72373.71720250766	39.41043090918603	-101.3808612	295021.84515849437	358028.811071884	3434.153021295454	3262.896103662318	3143.9259919919192	3144.1186441363698	91.17826238712414	91.17826238712414
315	200	147575	-163701.1413	72373.71720250766	39.41044211865546	-101.3786526	295220.9003201818	358024.7515033278	3434.125940569573	3262.896103662318	3143.9259919919192	3144.1186441363698	91.17826238712414	91.17826238712414
316	200	147576	-163041.1413	72373.71720250766	39.410453278447276	-101.3761919	295423.9546839379	358020.692137166	3434.1500339404	3260.69784680845	3147.970483007454	3147.970483007454	91.73900162325141	91.73900162325141
317	200	147577	-162381.1413	72373.71720250766	39.41046433698118	-101.3738753	295625.009148836	358016.632974737	3434.17412730854	3259.046175157243	3150.614714731602	3152.56845945599	90.8740384637241	90.8740384637241
318	200	147578	-161721.1413	72373.71720250766	39.41047547031729	-101.3715226	295826.0634105429	358010.2516740787	3434.198220741627	3258.30914457162	3150.04573388822	3151.371605459915	91.2634107	91.2634107
319	200	147579	-161061.1413	72373.71720250766	39.41048648695655	-101.36918	296027.11477171776	358005.515252706	3434.12157475799	3257.5164942363	3129.104609028672	3138.20216436637	91.28470404	91.8194392875916
320	200	147580	-160401.1413	72373.71720250766	39.41049474817958	-101.3668533	296228.171332566	358004.456704349	3430.944198	3255.9889183909584	3130.5431883035426	3131.5274993427033	91.2854070044283	91.2854070044283
321	200	147581	-159741.1413	72373.71720250766	39.410508419888515	-101.3645187	296429.2249950004	358000.386257125	3428.766817811901	3254.40646281808	3131.683417472754	3131.6773625167	91.2722880056041	91.2722880056041
322	200	147582	-159081.1413	72373.71720250766	39.4105191288316	-101.362184	296630.278451135	357998.34020307	3428.58647978952	3253.54689719247	3130.791238142718	3130.791238142718	91.256092212592	91.256092212592
323	200	147583	-158421.1413	72373.71720250766	39.41053016077984	-101.3598944	296831.3715122873	357994.228173003	3428.2158119752504	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
324	200	147584	-157761.1413	72373.71720250766	39.41054096357864	-101.3575147	297032.3847768373	357994.228173003	3428.2158119752504	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
325	200	147585	-157101.1413	72373.71720250766	39.4105517212945	-101.3551801	297233.437681487	357984.166975054	3428.2158119752504	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
326	200	147586	-156441.1413	72373.71720250766	39.4105624338228	-101.3528454	297434.49032368	357984.166975054	3428.2158119752504	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
327	200	147587	-155781.1413	72373.71720250766	39.4105730138709	-101.3505108	297635.54276670323	357984.166975054	3428.2158119752504	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
328	200	147588	-155121.1413	72373.71720250766	39.41058372373088	-101.3481761	297836.5953235548	357979.19551377	3428.746891744838	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
329	200	147589	-154461.1413	72373.71720250766	39.41059463112635	-101.345894	298047.67999329	357979.19551377	3428.746891744838	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
330	200	147590	-153801.1413	72373.71720250766	39.41060483313335	-101.3435068	298248.69	357979.19551377	3428.746891744838	3252.464617875897	3131.928639726319	3149.60819700241	90.2539705319067	90.2539705319067
331	200	147591	-153141.1413	72373.71720250766	39.41061532043114	-101.3411721								

ix	iy	x	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKrg.f	BRLEvBothKrg.f	SatThvLogs.f	SatThBoth.f
413	200	147673	-90221.14133	72373.71720250766	39.41132719314304	-101.1497281	114925.334081175	4364267.896777774	3254.3494946691826	3068316801671697	3045.7225104455256	54.90653271244155	52.7803530235739
414	200	147674	-96361.14133	72373.71720250766	39.41132857055299	-101.1473394	115126.36955567326	436451567257023	3052.705688961332	3066.390504554641	3045.8571489215172	51.2013728525882	50.5333546331296
415	200	147675	-97701.14133	72373.71720250766	39.411332525836346	-101.1465697	115327.40512814854	436461871939877	3250.022763716234	3061.091315897453	3045.8732129974314	50.01915387945837	48.87302218703004
416	200	147676	-97041.14133	72373.71720250766	39.411341889577284	-101.142724	115528.40480084916	4364615.778802421	3246.240538571937	3091.83732672271	3041.851707	49.7603425412123	48.186183020142385
417	200	147677	-96361.14133	72373.71720250766	39.41134848618927	-101.1403893	115729.4762142282	4364611.739096261	3242.476735341925	3089.5805219622903	3038.2867130055524	50.29038695673785	47.8689498148741
418	200	147678	-95721.14133	72373.71720250766	39.41135056170124	-101.1380546	115930.5114397714	4364607.701194184	3238.716204852471	3067.336683931376	3036.240976515325	50.31791158135715	48.20518215
419	200	147679	-95061.14133	72373.71720250766	39.41136158011371	-101.1357199	116131.5465	4364603.662841813	3234.696108999565	3085.1054016468247	3033.321067450043	51.87329016745003	49.20286892205167
420	200	147680	-94401.14133	72373.71720250766	39.41136805342667	-101.1333851	116332.58135109517	4364599.6243762495	3230.418077758195	3062.886950113606	3029.930065296336	50.3186714194158	52.9488850167696
421	200	147681	-93741.14133	72373.71720250766	39.41137446184006	-101.1310564	116533.616072847	4364595.396	3226.1400456964934	3080.818318486337	3026.62209984944	50.4587217	52.5212893767216
422	200	147682	-93081.14133	72373.71720250766	39.411380854753916	-101.1287157	116734.65054410155	4364591.548366343	3221.86201.3464934	3078.487393048986	3025.022530964435	50.4732396523706	53.354254835296
423	200	147683	-92421.14133	72373.71720250766	39.41138720276818	-101.126381	116835.6848717484	4364587.5106647555	3217.68131659835	3076.309297109269	3022.28904245148	50.422052864121176	54.2302683206294
424	200	147684	-91761.14133	72373.71720250766	39.4113934568287	-101.1240463	117136.7912024351	4364583.471650033	3216.5095105126072	3074.1046989703497	3018.765462246476	52.2356547981393	55.3763964867568
425	200	147685	-91101.14133	72373.71720250766	39.411399743497995	-101.1217116	117337.75290936035	4364579.458396276	3209.5145953	3071.984587142234	3016.3712571400088	50.61642300222521	55.8717975550451
426	200	147686	-90441.14133	72373.71720250766	39.411405946213506	-101.1193769	117538.7867817393	4364575.38971566	3205.4312318470324	3069.84868773256	3013.8841551911512	50.4159191311067	57.39604964128876
427	200	147687	-89791.14133	72373.71720250766	39.4114121	-101.1170422	117720.620394766	4364571.36178766	3202.132607270937	3067.732592269268	3011.3844713772555	50.4024937419636	56.3485452444235
428	200	147688	-89121.14133	72373.71720250766	39.41141821631655	-101.1147075	117940.853289529	4364567.32186165	3198.618721067443	3065.637704095407	3008.904339812634	50.002965077145	57.6347309769281
429	200	147689	-88461.14133	72373.71720250766	39.411424283762294	-101.1123728	118141.887066053	4364563.288964459	3197.1048341419202	3062.562299304573	3006.735963444479	50.0081385895963	56.8263559090044
430	200	147690	-87801.14133	72373.71720250766	39.411430336079275	-101.1100381	118342.9201658233	4364559.25407835	3194.5909473013535	3061.5024376488723	3003.4170890653068	50.0235900124392	57.943460489005
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440	200	147700	-81201.14133	72373.71720250766	39.41148804876591	-101.0866809	120353.24127799357	4364518.901	3180.5410596671128	3041.7309725474655	2966.265837682794	50.65894004298577	74.46513287918606
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446	200	147706	-77241.14133	72373.71720250766	39.41152052958958	-101.0726826	121559.425494881	4364491.69802418	3167.1691742519284	3032.371689720447	2969.7372329150226	50.780167643467283	82.61905405702214
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453	200	147713	-72621.14133	72373.71720250766	39.41155631784134	-101.0563396	122966.6324	4364466.43520608	3144.0413119952837	3023.72992624575	2943.62005414962	50.93320635768337	91.0992089061296
454	200	147714	-71961.14133	72373.71720250766	39.411561317163485	-101.0540409	123167.612819269	4364462.442	3138.5127509977474	3024.823407246795	2943.100265819817	50.9489639651841	92.6992458750316
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456	200	147716	-70641.14133	72373.71720250766	39.41157105630084	-101.049354	123569.1785146627	4364453.39797577	3134.81055396774	3019.91218419111	2938.685249540305	50.930671500938	94.01500095106622
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458	200	147718	-69321.14133	72373.71720250766	39.41158062045289	-101.044666	123971.75058828	4364446.131825046	3130.931775	3017.326950805005	2938.3940957658983	50.93782967354687	94.794905172
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460	200	147720	-68001.14133	72373.71720250766	39.41159000420025	-101.039966	124373.8013195288	4364438.356757319	3124.75313709943	3013.937384169			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
439	200	14779	-15981.14133	72373.7172025076	39.41811836	-100.855529	40254.5060460023	43641.20.506110854	2005.1504380715587	2809.408933716363	2809.39902927067	95.74150436	95.7505314449155	
540	200	14780	-15201.14133	72373.7172025076	39.41811742550452	-100.853181	30455.5296286387	43641.16.4911990882	2003.5759645054024	2804.72582152115	2808.5551301600724	94.7491574182899	94.9194038397171	
541	200	14781	-14541.14133	72373.7172025076	39.4181184170854	-100.856875	34066.534559033	43641.2.07891971	2801.53191822566097	2807.530724689892	2814.45323678994	94.3436373910368	94.3436373910368	
542	200	14782	-13861.14133	72373.7172025076	39.41811941281219	-100.848547	30485.5492948639	43641.08.464	2003.462215445021	2900.05111226003	2806.310828702776	93.537655470978	93.537655470978	
543	200	14783	-13221.14133	72373.7172025076	39.418203388154	-100.8462139	34105.66425640876	43641.04.451	2003.14617627367	2898.329281748496	2804.94712	2805.01378858197	93.3216715	
544	200	14784	-12561.14133	72373.7172025076	39.41821219718256	-100.8438792	34129.578410231	43641.00.437521502	2004.57264301905	2803.68669807279	2803.68669807279	94.3436373910368	94.3436373910368	
545	200	14785	-11901.14133	72373.7172025076	39.418220555107	-100.8415444	301.9947665219697	43640.06.42404743	2803.9947665219697	2802.9947665219697	2802.9947665219697	93.3216715	93.3216715	
546	200	14786	-11241.14133	72373.7172025076	39.418228642306	-100.839207	34161.603753543	43640.02.141490996	2802.9190482351	2892.999389232213	2801.138754090915	91.8953132931973	91.763093389028	
547	200	14787	-10581.14133	72373.7172025076	39.41823981824636	-100.836975	34182.620772975	43640.02.341788257	2801.53191822566097	2807.530724689892	2814.45323678994	94.3436373910368	94.3436373910368	
548	200	14788	-9921.14133	72373.7172025076	39.418249225804	-100.8345402	302.8345402	43640.02.341788257	2801.53191822566097	2807.530724689892	2814.45323678994	94.3436373910368	94.3436373910368	
549	200	14789	-9261.14133	72373.7172025076	39.418249472656	-100.8322055	34225.6470208696	43640.03.3765766	2803.4784153175997	2897.518336913673	2897.518336913673	93.8803624527637	93.8803624527637	
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556	200	14796	-4641.14133	72373.7172025076	39.4182827727017	-100.8158623	34367.17365116718	43640.02.29437012	2802.909762102642	2896.344859168814	2896.344859168814	94.3436373910368	94.3436373910368	
557	200	14797	-3981.14133	72373.7172025076	39.41828567373	-100.8135276	34387.7486877305	43640.08.2827049	2803.636759882513	2872.436013760196	2872.436013760196	94.3436373910368	94.3436373910368	
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559	200	14799	-2661.14133	72373.7172025076	39.4182902121155	-100.808881	34447.772859861	43640.06.21900829	2803.636759882513	2872.436013760196	2872.436013760196	94.3436373910368	94.3436373910368	
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564	200	14794	638.5867303514	72373.7172025076	39.418293666876	-100.7971485	34529.870300558	43640.02.21047914	2801.53191822566097	2807.530724689892	2814.45323678994	94.3436373910368	94.3436373910368	
565	200	14795	1298.5867303514	72373.7172025076	39.4182930048169	-100.7948497	34580.84066152014	43640.06.23431416	2802.246652190548	2856.87467403287	2856.87467403287	94.3436373910368	94.3436373910368	
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568	200	14798	3281.5867303514	72373.7172025076	39.418291784559	-100.787451	34583.74142425	43640.04.17129225	2802.246652190548	2856.87467403287	2856.87467403287	94.3436373910368	94.3436373910368	
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576	200	14786	8558.586730351	72373.7172025076	39.418255958831	-100.769176	34769.9154915289	43639.02.11508423	2801.410506	2846.9985011285025	2846.9985011285025	94.3436373910368	94.3436373910368	
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579	200	14789	10538.586730351	72373.7172025076	39.418233805405	-100.7621634	34829.4798707503	43639.06.09081098	2801.410506	2846.9985011285025	2846.9985011285025	94.3436373910368	94.3436373910368	
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584	200	14784	13838.586730351	72373.7172025076	39.41819473488784	-100.7504897	34930.020653952	43639.06.09365474	2801.410506	2846.9985011285025	2846.9985011285025	94.3436373910368	94.3436373910368	
585	200	14785	14498.586730351	72373.7172025076	39.4181850527451	-100.748155	34950.0288736413	43639.06.0557658	2801.410506	2846.9985011285025	2846.9985011285025	94.3436373910368	94.3436373910368	
586	200	14786	15158.586730351	72373.7172025076	39.4181749156982	-100.7458202	34970.02367456255	43639.02.069875858	2801.410506	2846.9985011285025	2846.9985011285025	94.3436373910368	94.3436373910368	
587	200	14787	15818.586730351	72373.7172025076	39.4181642634473	-100.743								

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThBoth.f	
65	200	147925	67928.85867307335	39.41594923313442	-100.56137675	665881.21525869666	436316.308	2842.2812411678815	2660.374079564365	2612.4710568572377	2624.373925668895	47.903091910710876	36.000105
66	200	147926	67958.85867307335	39.415930180119	-100.559418	66572.2124041213	436363.121865933	2847.110435711557	2658.344938430815	2610.798039486213	2621.12444639408	47.55141913246871	36.23251399127367
67	200	147927	6818.85867307335	39.4158663536784	-100.566701	66583.20915045636	436308.3300421643	2841.769681574437	2658.344938430815	2610.798039486213	2621.12444639408	47.55141913246871	36.23251399127367
68	200	147928	67928.85867307335	39.41580892383479	-100.554274	66584.184205767907	436306.341549676	2847.110435711557	2658.344938430815	2610.798039486213	2621.12444639408	47.55141913246871	36.23251399127367
69	200	147929	69938.85867307335	39.4157616720167	-100.5520377	66635.28012668326	436306.352294663	2852.885186799707	2652.607592718346	2606.240457630214	2623.636424061272	46.36713088128634	28.97117225704149
70	200	147930	70058.85867307335	39.4157616720167	-100.5497029	66658.198612668326	436306.352294663	2851.0680537848843	2641.396235389196	2625.605204938316	2627.62726839	25.4633021051491	
71	200	147931	71258.85867307335	39.4156652	-100.5473682	66678.1948490165	436352.3738471	2860.589137417376	2649.69884061656	2602.872475826652	2631.523717450395	48.82392579509346	18.17215095860408
72	200	147932	71918.85867307335	39.4156163	-100.5450335	66688.190529858	436308.37897219	2863.34715574045	2648.3871209894513	2610.742995988	2635.338191722937	46.99999123463172	13.05330991717549
73	200	147933	72578.85867307335	39.415569967414	-100.5426988	66781.1872841126	436354.402271643	2868.1596251399473	2647.69673	2600.768813	2633.177537823648	46.3272650038983	13.05330991717549
74	200	147934	72338.85867307335	39.41155110753486	-100.540341	66790.18277147103	436350.41516393	2856.94371272282	2645.90449141066	2599.63455590574	2627.703095637204	46.170039096439	18.05444277202695
75	200	147935	73898.85867307335	39.41546680320224	-100.5380293	66791.1785884286	436352.4727606027	2858.1548180419263	2644.50082175193	2598.3859161299053	2622.673873971676	46.11230512728753	21.83432425251524
76	200	147936	74558.85867307335	39.4154161	-100.5356946	66792.17419225106	436352.7441105138	2852.794621596419	2643.201152665451	2597.087090538975	2620.07125717133	46.11406213155351	23.12989495915937
77	200	147937	75218.85867307335	39.4153649053713	-100.5335599	66793.169685837	436358.454	2850.434281524113	2641.88306298760265	2595.591925563853	2617.6435750760524	46.291137404071	23.29087892210316
78	200	147938	75878.85867307335	39.41531020246	-100.5310522	66814.164998822	436356.44799338	2848.047232076534	2635.56784282535	2594.1320799878054	2616.63029226682	46.4159844044818	24.02346801571515
79	200	147939	76338.85867307335	39.4152610237273	-100.5288905	66836.160211546	436350.48173245	2845.647232076534	2639.213267719774	2592.7129667220593	2615.8683683171	46.50030047571454	23.52898937
80	200	147940	77198.85867307335	39.4152087640075	-100.5263557	66856.1552090463	436356.45689801	2843.140167158192	2637.862071553308	2591.398926	2614.344028195785	46.46224505092747	23.51804313327986
81	200	147941	77858.85867307335	39.4151568800935	-100.524021	66877.15025963873	436352.509824538	2840.637572400137	2636.487343964564	2590.166845	2612.855834833885	46.3318896	23.91280912076088
82	200	147942	78518.85867307335	39.415102687739	-100.5216863	66898.1450942616	436351.542167921	2838.134875722012	2635.123966518076	2588.874065232424	2615.319969030606	46.2489313556519	19.83091602821675
83	200	147943	79178.85867307335	39.4151043884558	-100.5193516	66919.1386037686	436354.534511225	2838.03685447277	2633.738803904467	2587.725842416489	2616.564991113658	46.021615305791	17.1738128768816
84	200	147944	79838.85867307335	39.41499405741736	-100.5170169	66940.1343862905	436350.5535411225	2834.34799915724	2632.34552052228	2586.369628783724	2616.703502587748	46.021615305791	15.0270624644427
85	200	147945	80498.85867307335	39.4149392748369	-100.5146822	66960.1288441081	436356.36858919	2832.65178421807	2630.455980092024	2584.71148823342	2621.021147091184	46.22774276895026	9.924486901174003
86	200	147946	81158.85867307335	39.4148840415291	-100.5123474	66980.121767356	436352.356339506	2830.767265265176	2629.540494769943	2582.72695633328	2621.083125942113	46.41349274366639	7.457323134881335
87	200	147947	81818.85867307335	39.4148342222231	-100.509615	67003.1236331563	436354.681889866	2828.140478594217	2629.1545117845914	2581.40270784763	2624.24357142923	46.18489137388	18.00941820030444
88	200	147948	82478.85867307335	39.414772211959	-100.50678	67024.1146723254	436352.614	2827.182711824847	2627.200144097155	2578.86594883316	2615.79956393404	46.8541952594353	10.92027140413092
89	200	147949	83138.85867307335	39.4147175636189	-100.5053433	67045.1042551005	436352.614	2825.22906614731	2625.306738912408	2577.136209504801	2612.655441730695	46.7128273838512	12.26437279383512
90	200	147950	83798.85867307335	39.414658598207	-100.5030086	67066.092594347	436351.66147083	2823.893577285217	2575.624391721877	2569.50751453574	2624.694600733904	46.31484319279725	12.26437279383512
91	200	147951	84458.85867307335	39.4146011100251	-100.5006739	67087.0926918346	436352.662248916	2821.509426130585	2622.48514759189	2574.21105734686	2624.72409024717981	46.149711341206807	
92	200	147952	85118.85867307335	39.414543170256	-100.4983392	67108.0865547147	436350.6789033	2819.941759874635	2621.083816195224	2572.752248993553	2620.887578822962	46.31484319279725	12.26437279383512
93	200	147953	85778.85867307335	39.414496154427	-100.4960635	67129.0810710038	436350.6789033	2818.21408169837	2619.74478573759	2571.027173981377	2620.887578822962	46.31484319279725	12.26437279383512
94	200	147954	86338.85867307335	39.4144329315595	-100.4936677	67140.0731	436350.71140729	2816.804246474	2618.254958798877	2569.065798877	2620.887578822962	46.31484319279725	12.26437279383512
95	200	147955	87098.85867307335	39.4143666487244	-100.491335	67161.06657062223	436349.728811691	2815.048975579388	2617.020457548654	2567.05355050753	2618.4774471244	46.97048744729227	12.83650513601398
96	200	147956	87758.85867307335	39.4143069035921	-100.4890303	67182.0566262275	436349.754951648	2815.0417382684524	2615.694162	2567.16798584524	2603.72045935916	46.5176390014284317	15.97370320424317
97	200	147957	88418.85867307335	39.414267093151	-100.4866656	672013.05263168574	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
98	200	147958	89078.85867307335	39.4141860640417	-100.4843309	67221.0447801975	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
99	200	147959	89738.85867307335	39.4141246677108	-100.4819652	672415.03820162895	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
100	200	147960	90398.85867307335	39.4141032430768	-100.479615	672616.03820162895	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
101	200	147961	91058.85867307335	39.4141001422436	-100.4774268	672817.032282958	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
102	200	147962	91718.85867307335	39.413398729554	-100.4749921	673018.01564016216	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
103	200	147963	92378.85867307335	39.4133670773134	-100.4726573	673219.0789758248	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
104	200	147964	93038.85867307335	39.4133127142815	-100.4703226	673420.0789758248	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
105	200	147965	93698.85867307335	39.41314789192565	-100.4678979	673620.9919831586	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
106	200	147966	94358.85867307335	39.4131384659945	-100.4656352	673831.983503935	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
107	200	147967	94918.85867307335	39.4131384659945	-100.463385	67404.91384659945	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
108	200	147968	95678.85867307335	39.4131384659945	-100.4610938	67423.9672363575	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
109	200	147969	96338.85867307335	39.4131384659945	-100.4586491	67442.9587462054	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
110	200	147970	96998.85867307335	39.413124330768	-100.4563144	67462.9501357816	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
111	200	147971	97658.85867307335	39.4131384659945	-100.4539797	67482.96140529743	436348.763291291	2815.04059578954	2613.6556703222	2563.667594275158	2601.239205	46.5176390014284317	15.97370320424317
112	200	147972	98318.85867307335	39.4131384659945	-100.451645	67507.9325545484	436348.763291291	2815.04059578954	2613.6556703222	2563.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatTLogKrg.ft	SatTBoth.ft
1	201	148051	-337941.1413	924397.3170250766	39.407730155155136	-101.9846985	24104.92418430245	436630.4850922565	3672.1472687619	37.373.464605	3577.461789777108	3560.8071862799884	36.0208153296178	112.62574182087153
2	201	148052	-337821.1413	924397.3170250766	39.40775322413551	-101.9825351	24232.0386712489	436630.30712584	3662.22925397475	36.72437884339847	3574.863798204394	3557.1819362979754	35.76530905134055	115.16685217609584
3	201	148053	-336621.1413	924397.3170250766	39.40771344466631	-101.9802007	24243.153202962	436629.6283185305	3661.7167801186304	36.71215232918637	3571.4209304731115	3553.2594819341838	35.49491881034135	115.08888005150156
4	201	148054	-335961.1413	924397.3170250766	39.40772682521	-101.9878663	24247.797477225	436625.910889191	3661.20047040196	36.70247040196	3570.483670609264	3552.8661927765224	35.18354727595072	117.17770119215088
5	201	148055	-335301.1413	924397.3170250766	39.40772216053445	-101.9855319	24249.381401166103	436628.386094658	3660.87678123976	36.688.860678	3566.93327567721	3553.7637785842531	35.02760226829301	115.09709357844885
56	201	148056	-334641.1413	924397.3170250766	39.40784505	-101.9831974	24314.46590600733	436624.28454551	3660.73404312376	36.675.1141492058	3564.391531061334	3556.186403042387	35.19261034023487	111.46644728847026
57	201	148057	-333981.1413	924397.3170250766	39.407878628147	-101.980863	24337.60848196968	436620.70031178	3660.59139	36.666.402103469132	3561.6793949459543	3557.931787478111	35.04712154005984	108.4887328889234
58	201	148058	-333321.1413	924397.3170250766	39.40789089111919	-101.9782826	24348.7216405175	436620.130881181	3660.448676194442	36.67121591170176	3558.933425486525	3562.4996502615276	35.02387165589151	102.6723088558907
59	201	148059	-332621.1413	924397.3170250766	39.40791344466631	-101.9761842	24374.9364555942	436621.4488172434	3660.37844838785	36.653306842	3559.210015188838	3558.098989819071	35.076988666215276	107.698826666215276
60	201	148060	-332001.1413	924397.3170250766	39.40793615272272	-101.9738597	24390.9471965931	436621.837	357.857.85147614492	36.622.83345294564	3557.510055	3557.864708684255	35.02387165589151	95.789345041317
61	201	148061	-331341.1413	924397.3170250766	39.40795881588866	-101.9715253	244152.0559640755	4366263.75423586	3556.17763519134	36.61349688038136	3550.713732924777	3574.6877990219627	35.0635901335587	86.86188904185083
62	201	148062	-330681.1413	924397.3170250766	39.4079814336362	-101.9691909	24433.5117381907	436629.514034098	3554.49757555676	36.60162578486615	3547.9599141054746	3562.3505105786152	35.01123438431869	97.70615216250962
63	201	148063	-330021.1413	924397.3170250766	39.40800400694793	-101.9668564	24455.2382916564	436625.60229489	3551.838575948372	36.586.76890580784	3545.3616670087226	3562.2650074075	35.01420428847026	106.742482847026
64	201	148064	-329361.1413	924397.3170250766	39.40802653	-101.964522	24475.39526718986	436625.139186968	3548.20096933969	36.574.906116672415	3542.672475116704	3543.217197704298	35.01420428847026	115.1978139633237
65	201	148065	-328701.1413	924397.3170250766	39.40804901764403	-101.9621876	24486.506524744	436624.281095311	3544.5617161194266	36.566.16267828496	3558.849891864028	3540.525712723734	35.017276890596227	125.6470700636394
66	201	148066	-328041.1413	924397.3170250766	39.40807145335575	-101.9598351	245157.617852223	436624.1702516825	3540.923170104936	36.545.85144554581	3536.671467355496	3532.038612	35.017276890596227	118.10779819304363
67	201	148067	-327381.1413	924397.3170250766	39.40809384797655	-101.9575187	24538.7286656434	436623.906017078	3538.403425727774	36.533.536189563287	3533.77984348087	3546.438581178385	35.017276890596227	119.75577261551962
68	201	148068	-326721.1413	924397.3170250766	39.4081161955034	-101.9551843	24559.8329934605	436620.10000000	3538.093247523773	36.522.419903803524	3530.704156930285	3537.0123337757167	35.017276890596227	85.10907047206912
69	201	148069	-326061.1413	924397.3170250766	39.40813849794511	-101.9528498	24576.04967032783	436620.40045907	3525.5851392728173	36.505.889799	3527.3632577943135	3537.885320343611	35.017276890596227	67.0047483462903
70	201	148070	-325401.1413	924397.3170250766	39.408161955034	-101.9505154	245962.0597949996	436626.23026529	3520.17903669128	36.496.5598216805646	3523.6486019430387	3535.44117691607	35.017276890596227	58.5213106682558
71	201	148071	-324741.1413	924397.3170250766	39.40818269765487	-101.9481809	24613.1696816585	436622.620760546	3515.39724529691749	36.486.22459691749	3519.603446476777	3531.00119321395614	35.017276890596227	47.1153969784137
72	201	148072	-324081.1413	924397.3170250766	39.40820517471497	-101.9458485	24634.7293031031	436621.8511410348	3511.760524739023	36.468.2202446017	3514.74360343941476	3532.135857534914	35.017276890596227	64.7474441137342
73	201	148073	-323421.1413	924397.3170250766	39.40822764729785	-101.9435612	24657.7824496154	436621.4488172434	3507.5814262671	36.451.40283830835	3511.44085900317	3532.135857534914	35.017276890596227	115.768377864448
74	201	148074	-322761.1413	924397.3170250766	39.40824933733039	-101.9411776	24676.497805059	436620.10000000	3502.92744133837	36.4378329800943	3510.716892146349	3556.228496910385	35.017276890596227	78.9498325
75	201	148075	-322101.1413	924397.3170250766	39.40827135674788	-101.9388431	246967.068795579	436620.10000000	3500.60509492553	36.424.81379153537	3512.678359867575	3587.610440819985	35.017276890596227	65.5940733335517
76	201	148076	-321441.1413	924397.3170250766	39.4082935247515	-101.9365087	247168.7135685188	436620.07095858	3500.1189818325864	36.41432006830017	3514.46533675598	3598.75101721302	35.017276890596227	42.677699619945
77	201	148077	-320781.1413	924397.3170250766	39.4083152418417	-101.9341742	24736.82370373568	436621.367779996	3500.33731155814	36.404.0514883667	3515.6622862275	3594.05087939385	35.017276890596227	46.00464103272354
78	201	148078	-320121.1413	924397.3170250766	39.408337190801774	-101.9313898	24757.9318554228	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	55.4904703030091
79	201	148079	-319461.1413	924397.3170250766	39.4083594227945	-101.928653	24777.932991398108	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	69.3021185847476
80	201	148080	-318801.1413	924397.3170250766	39.40838107476238	-101.92571709	24797.7824496154	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
81	201	148081	-318141.1413	924397.3170250766	39.408402610105746	-101.9234834	248174.2547122493	43661.8153664437	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
82	201	148082	-317481.1413	924397.3170250766	39.40842432635732	-101.9225019	248375.3618343192	43661.8153664437	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
83	201	148083	-316821.1413	924397.3170250766	39.40844598751726	-101.9201675	248576.4687035783	43661.7312818543	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
84	201	148084	-316161.1413	924397.3170250766	39.40846763258557	-101.917833	24877.575328922	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
85	201	148085	-315501.1413	924397.3170250766	39.40848924562166	-101.9154986	24898.7816695954	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
86	201	148086	-314841.1413	924397.3170250766	39.40851074047014	-101.9131641	24919.7824496154	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
87	201	148087	-314181.1413	924397.3170250766	39.408532124008	-101.9108296	24940.88379019405	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
88	201	148088	-313521.1413	924397.3170250766	39.40855367941345	-101.9084952	24961.9993	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
89	201	148089	-312861.1413	924397.3170250766	39.40857507755074	-101.9061607	24983.7017129287	43661.9349698779	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
90	201	148090	-312201.1413	924397.3170250766	39.4085963406824	-101.9038262	249984.2098453744	43661.45.57831019	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
91	201	148091	-311541.1413	924397.3170250766	39.40861774	-101.9014917	25018.51374230937	43661.40.472862064	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
92	201	148092	-310881.1413	924397.3170250766	39.40863900882734	-101.8991573	25038.41957116245	43661.36.3678105	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
93	201	148093	-310221.1413	924397.3170250766	39.40866074672628	-101.8968156	25059.4237690542	43661.36.3678105	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115.768377864448
94	201	148094	-309561.1413	924397.3170250766	39.408681404218356	-101.894483	25080.876279085432	43661.36.3678105	3500.1592591954	36.398.66015052403	3516.091573262149	3583.170137019389	35.017276890596227	115

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
177	201	14817	-254781.1413	924397.3170250766	39.41028175	-01.7007223	267479.432226948	4365788.16942761	3605.8486939919154	3454.849684069699	3332.333590079415	3304.6304954977604	3122.5160579875819	3150.2915526923876
178	201	14817	-254121.1413	924397.3170250766	39.410239134165676	-01.6983637	267805.5813773874	4365794.581180233	3612.313944516465	3453.4001885053633	3331.681131824188	3304.1154571841305	3121.7190562264672	312.2847308665047
179	201	14817	-253661.1413	924397.3170250766	39.41031452365695	-01.6980633	267881.6002863374	4365793.945923017	3616.5396922931618	3451.9489973598456	3332.439633459633	3315.976334595458	3121.50033633459633	312.747413554464
180	201	14818	-252801.1413	924397.3170250766	39.410337734400406	-01.6937186	268052.6839055044	4365775.907097888	3618.56157211167	3455.954734311207	3332.146754347396	3319.151180181632	312.3496388372741	311.3437934488986
181	201	14818	-252141.1413	924397.3170250766	39.410335102543488	-01.691384	268283.7674537606	4365771.820042874	3620.504214130937	3449.038795095069	3327.893612682894	3321.906258790956	312.1451832127148	312.713253719595826
182	201	14812	-251481.1413	924397.3170250766	39.4103623233408	-01.6890944	268484.85068825434	4365773.320310884	3627.458681298936	3437.578681298936	3326.8724436194233	3322.72220643832	310.75142451047031	312.84566166600959
183	201	14818	-250821.1413	924397.3170250766	39.41038339413795	-01.6867148	268885.93308542755	4365763.646650373	3621.999253178221	3446.115435322287	3325.760773673943	3323.1804995326934	310.3546578994343	312.92349357953629
184	201	14814	-250161.1413	924397.3170250766	39.41040251084647	-01.6843802	268887.0164270279	4365759.56012276	3618.041390494857	3446.6392474262864	3324.710712328978	3323.137488287734	310.35475509731245	311.51178697596959
185	201	14818	-249501.1413	924397.3170250766	39.410419562459596	-01.6829457	269068.9980217193	4365761.85237816743	3616.08527816743	3443.18126495298	3322.4286834708514	3322.6300374047796	310.752610244468	312.92349357953629
186	201	14816	-248841.1413	924397.3170250766	39.410436508977254	-01.6797111	269289.181	4365751.38789591	3617.711854731055	3321.9802360352626	3321.81672751672	3319.1761670571055	310.8952752143354	311.89857205100378
187	201	14817	-248181.1413	924397.3170250766	39.41045350039953	-01.6773769	269490.263477387	4365747.20303437	3617.368260925404	3440.242921703924	3320.4556455203793	3319.7632943791951	310.752610244468	311.89857205100378
188	201	14818	-247521.1413	924397.3170250766	39.41047052672628	-01.6750419	269691.3453044789	4365743.21641948	3616.8131126904177	3438.778437995996	3318.556060024552	3318.694615230167	310.8952752143354	311.89857205100378
189	201	14818	-246861.1413	924397.3170250766	39.410484741795705	-01.6727073	269892.4268433796	4365739.130994507	3620.45137325202	3316.415722328023	3318.8954139278567	3320.927379330278	310.752610244468	311.89857205100378
190	201	14819	-246201.1413	924397.3170250766	39.41050240493026	-01.6703727	270093.508356447	4365735.045718112	3623.691747706715	3435.896770744235	3314.1194326225013	3314.750673073097	312.7744244992221	311.43069735126684
191	201	14819	-245541.1413	924397.3170250766	39.410523106513328	-01.6680381	270293.545824208414	4365730.960771747	3622.159892305334	3434.4986176643094	3313.8180415845086	3314.12158524730425	310.86717760780268	312.2081251912686
192	201	14812	-244881.1413	924397.3170250766	39.41053782107776	-01.6657305	270495.6705010943	4365728.47596412	3615.638211275941	3433.165056151075	3309.861439895784	3309.861439895784	312.2081251912686	312.1831562248108
193	201	14813	-244221.1413	924397.3170250766	39.410545319150662	-01.6633689	270696.7512369775	4365722.791	3608.118739	3321.899963	3307.144003755967	3327.3518008485	312.5679656550272	312.5679656550272
194	201	14814	-243561.1413	924397.3170250766	39.41057119767975	-01.6610343	270897.814040845	4365718.70667795	3602.59657420206	3430.69743263005	3304.2379044403615	3304.519652813963	312.45456281870303	312.78322086999
195	201	14815	-242901.1413	924397.3170250766	39.41058782	-01.6586997	271098.912020446	4365714.627744995	3598.628555573995	3429.5413581381304	3301.00826991486	3301.251047422081	312.53308821866221	312.8930171542204
196	201	14816	-242241.1413	924397.3170250766	39.4106033839888	-01.6563651	271299.902705463	4365710.53875198	3592.2106237911952	3428.4150291719952	3297.043863318623	3297.043863318623	311.73116585517242	311.73116585517242
197	201	14817	-241581.1413	924397.3170250766	39.41062050243679	-01.6540305	271501.071504023	4365706.45499899	3595.791962030849	3426.302493474144	3329.089448060232	3329.089448060232	311.73116585517242	311.73116585517242
198	201	14819	-240921.1413	924397.3170250766	39.410637409734825	-01.6516599	271702.15190762914	4365702.341718566	3594.230302058915	3426.302493474144	3329.089448060232	3329.089448060232	311.73116585517242	311.73116585517242
199	201	14819	-240261.1413	924397.3170250766	39.4106544640404	-01.6493357	271919.7025819586	4365697.3025819586	3598.231305102216	3418.40060400442	3329.089448060232	3329.089448060232	311.73116585517242	311.73116585517242
200	201	14820	-239601.1413	924397.3170250766	39.41067024518755	-01.6470027	272104.310034957	4365694.2040404	3597.427014336812	3423.96337370492	3321.96952634172	3321.96952634172	312.024107377602	312.024107377602
201	201	14820	-238941.1413	924397.3170250766	39.410685927007	-01.6446921	272305.3886813884	4365690.121888414	3598.93371096383	3422.885145	3322.365835656556	3322.365835656556	312.024107377602	312.024107377602
202	201	14820	-238281.1413	924397.3170250766	39.4107029026474	-01.6423575	272506.46712718964	4365686.03130918	3602.444076107854	3421.772442557441	3322.692640856692	3322.692640856692	312.024107377602	312.024107377602
203	201	14823	-237621.1413	924397.3170250766	39.41071960115531	-01.6400229	272707.54625192337	4365681.956569397	3605.656308365473	3420.65460091165	3322.921691756787	3322.921691756787	312.024107377602	312.024107377602
204	201	14824	-236961.1413	924397.3170250766	39.410735374949894	-01.6378883	272908.62450710126	4365677.842171818	3601.0419380733842	3419.5307548545678	3321.346706032765	3321.346706032765	312.024107377602	312.024107377602
205	201	14826	-236361.1413	924397.3170250766	39.4107515446404	-01.6353537	273109.7025819586	4365673.7025819586	3598.231305102216	3418.40060400442	3329.089448060232	3329.089448060232	312.024107377602	312.024107377602
206	201	14826	-235641.1413	924397.3170250766	39.410769250766	-01.6330191	273310.7803710127	4365669.710127	3598.040437059	3417.3346	3327.05148325115	3327.05148325115	312.024107377602	312.024107377602
207	201	14827	-234981.1413	924397.3170250766	39.4107834875734	-01.6306844	273511.8570313565	4365663.63263627	3591.169113371817	3416.102333712783	3327.283262144093	3327.283262144093	312.024107377602	312.024107377602
208	201	14828	-234321.1413	924397.3170250766	39.4107997316763	-01.6283498	273712.935292367	4365661.54682077	3592.598259504997	3414.97082484766	3327.169417170618	3327.169417170618	312.024107377602	312.024107377602
209	201	14829	-233661.1413	924397.3170250766	39.4108157248176	-01.6260152	273914.01203487	4365657.46548277	3591.0305458071807	3413.814373872855	3327.680623872854	3327.680623872854	312.024107377602	312.024107377602
210	201	14820	-233001.1413	924397.3170250766	39.41083171669973	-01.6236806	274115.0893452053	4365648.38436225	3589.4612620382	3412.684708913365	3327.632781604043	3327.632781604043	312.024107377602	312.024107377602
211	201	14821	-232341.1413	924397.3170250766	39.41084761582148	-01.6213348	274316.1960374528	4365649.304184035	3588.2027307011476	3411.4713196973	3327.613384878491	3327.613384878491	312.024107377602	312.024107377602
212	201	14812	-231681.1413	924397.3170250766	39.410863537	-01.6191414	274517.2425071414	4365645.2280206	3587.255072	3410.274035116627	3327.613384878491	3327.613384878491	312.024107377602	312.024107377602
213	201	14823	-231021.1413	924397.3170250766	39.410879287762325	-01.6166768	274712.935292367	4365642.121695858	3586.30737031171418	3409.070113404641	3327.230948228582	3327.230948228582	312.024107377602	312.024107377602
214	201	14824	-230361.1413	924397.3170250766	39.41089504209184	-01.6143421	274919.3479739634	4365637.06159098	3585.39567412566	3408.846232714395	3320.503580155276	3320.503580155276	312.024107377602	312.024107377602
215	201	14815	-229701.1413	924397.3170250766	39.41091076134578	-01.6120075	275120.470683367	4365630.981736251	3584.0507929124304	3406.608319114612	3323.351711699852	3323.351711699852	312.024107377602	312.024107377602
216	201	14816	-229041.1413	924397.3170250766	39.41092643496045	-01.6096729	275321.546151095	4365628.90182537	3579.38022598703	3405.345945539404	3327.985498496164	3327.985498496164	312.024107377602	312.024107377602
217	201	14817	-228381.1413	924397.3170250766	39.41094206	-01.6073383	275522.621523677	4365621.82118305	3575.710666	3404.086911131696	3329.029133105874	3329.029133105874	312.024107377602	312.024107377602
218	201	14818	-227721.1413	924397.3170250766	39.41095764697731	-01.605037	275723.696645051	4365620.742581582	3572.040062	3402.80166782874	3321.06831096679	3321.06831096679	312.024107377602	312.024107377602
219	201	14819	-227061.1413	924397.3170250766	39.4109734982882	-01.602734	275934.761625855	4365619.17992937	3569.684213625747	3401.694235744	3320.94043598829	3320.94043598829	312.024107377602	312.024107377602
220	201	14820	-226401.1413	924397.3170250766	39.41098957858282	-01.6003344	276125.846279275	4365615.58420122	3567.860791633343	3400.1689781253	3321.06831096679	3321.06831096679	312.024107377602	312.024107377602
221	20													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	LatHtKgr.f	SurfHtBot.f
301	201	148303	-171621.1413	924397.3170250766	39.412171409640594	-101.406574	192814.29669165035	345267.7249	3432.896497222015	3274.684858719635	3159.7292138390867	3159.6437257935004	114.5533739805483	115.0408626013462
304	201	148304	-170961.1413	924397.3170250766	39.41212911493599	-101.404227	230315.353695832	436527.7003494	3434.551000312773	3273.5214823990273	3156.627581515062	116.91801468289976	116.9389483895466	
306	201	148305	-170301.1413	924397.3170250766	39.41207477464783	-101.398189	203216.41024411615	435366.695251258	3432.962623424834	3272.36230220989	3153.72855089813	118.9351788048519	118.9824851586209	
306	206	148306	-169641.1413	924397.3170250766	39.41213538953033	-101.3995533	193417.46471545686	435052.645369994	3437.20535173384556	3156.1874062063616	3150.3999945051266	121.079453219406	120.80536792196376	
307	201	148307	-168881.1413	924397.3170250766	39.41216356926043	-101.3972186	193618.522983809	435052.584287609	3437.7359158995656	3270.4937326660272	3146.9552285808162	124.2373847284416	123.0945047045906	
308	201	148308	-168821.1413	924397.3170250766	39.41217393811855	-101.3948839	193819.57590493778	435052.4810277879	3436.372946213705	3268.894332403049	3143.8472432993434	114.4116880505944	125.0515890949744	
309	201	148309	-167661.1413	924397.3170250766	39.41218696347791	-101.3925492	194020.639401237146	435052.503602983	3436.7384807573826	3268.940510322295	3141.233173484245	126.0773270250872	126.502767272313758	
310	201	148310	-167001.1413	924397.3170250766	39.4121983793849	-101.3902145	194221.69052729922	435046.299310128	3434.286922659108	3266.583702200315	3138.663936296724	128.0133692308188	127.91907397364275	
311	201	148311	-166341.1413	924397.3170250766	39.4120973730021	-101.3878786	194422.74603144776	435052.238738946	3435.681863155556	3265.426485	3136.7800411758917	118.95337287586	118.65513144203396	
312	201	148312	-165681.1413	924397.3170250766	39.41222119	-101.385451	194523.61807192433	435052.3817835984	3432.489604970227	3254.274521	3136.1033628967613	3136.053040348567	127.11775916967	127.12240238673302
313	201	148313	-165021.1413	924397.3170250766	39.41223240327216	-101.3832014	194824.8563426811	435052.34118180587	3432.724889108893	3263.12082305548	3136.581681158125	3136.506709	126.5363651487353	126.6114132303376
314	201	148314	-164361.1413	924397.3170250766	39.412243684792315	-101.3808757	195025.9111958713	435052.30108521093	3432.455319124755	3261.967100813857	3137.952544237317	3137.8845003615957	124.01455657654014	124.08260450226143
315	201	148315	-163701.1413	924397.3170250766	39.4122548837855	-101.378541	195226.96584711667	435052.298494302	3432.220760385167	3260.8217890277883	3139.717444179688	3139.538240861984	121.09534479029308	121.05418165889191
316	201	148316	-163041.1413	924397.3170250766	39.41226605762587	-101.3762063	195420.0202984237	435052.21388979795	3431.768813597904	3259.655611576319	3141.0312858947353	3141.7190984410818	116.624328891568	117.93961313451075
317	201	148317	-162281.1413	924397.3170250766	39.41227717639423	-101.3738716	195629.07458191715	435052.1787951747	3431.61896792984	3258.4949695192996	3140.1368347844422	3139.5088070398125	116.38135004693737	118.39614504693737
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326	201	148326	-156441.1413	924397.3170250766	39.412375215853395	-101.3525892	197438.5537880534	435051.88134507958	3414.27804631443	3247.805511232904	3126.928343887756	3134.6374378339063	121.079734514878	115.8765233909762
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330	201	148330	-153801.1413	924397.3170250766	39.4124176163914	-101.3435203	198242.7616037994	435051.626301309	3404.4678947247	3241.813852783036	3121.25362771447	3123.618411865191	121.5560259068239	119.156480431187
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333	201	148333	-151821.1413	924397.3170250766	39.41244984321919	-101.3365162	198845.915482575	435051.5293571095	3385.523833	3238.961447521083	3116.3363493946527	3116.926371123855	122.6268077143016	122.0350733272784
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338	201	148338	-148521.1413	924397.3170250766	39.41250256254103	-101.324826	199851.1678418309	435051.3278925919	3360.61296203449	3232.3911189815247	3110.7312858947353	3110.9312858947353	121.41778565375584	121.41778565375584
339	201	148339	-147861.1413	924397.3170250766	39.4125103792278	-101.3225708	199950.2172728483	435051.286325	3358.66627	3231.061237689273	3109.469686111042	3109.469686111042	121.05418165889191	121.05418165889191
340	201	148340	-147201.1413	924397.3170250766	39.412520460714134	-101.3207131	200023.2674079583	435051.245024443	3359.8594959455	3229.72381091374	3107.9505917605456	3107.9505917605456	121.077883308245	121.077883308245
341	201	148341	-146541.1413	924397.3170250766	39.412530497101535	-101.3178384	200054.316896865	435051.20515754996	3351.05172163941	3228.3939878272465	3106.442605892047	3106.442605892047	121.9513919580471	122.727853343258
342	201	148342	-145881.1413	924397.3170250766	39.412540483894	-101.3155037	200065.360190758	435051.1641468434	3342.26459779826	3227.095746642903	3105.257690975625	3104.653313828295	121.801875766245	122.0626087141077
343	201	148343	-145221.1413	924397.3170250766	39.412550435457795	-101.3131689	200086.4152876025	435051.1240738478	3342.13454035833	3225.765997826398	3104.624148299824	3103.652692807645	121.224495957164	122.07423573875167
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345	201	148345	-143901.1413	924397.3170250766	39.412570318165643	-101.308493	200124.781045437	435051.0444998476	3339.515234194845	3223.7961447476	3103.5234194845	3103.5234194845	120.934512423514	121.3995471238599
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347	201	148347	-142581.1413	924397.3170250766	39.412589783836765	-								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVElogKgr.f	BRIEVElogth.f	SurfBoath.f	SurfBoath.f
429	2014829	-88461.14133	924397.3170250766	39.41323707678241	-101.123806	318145.9287141578	4364764.512724488	3198.5880146769496	3064.15022724588	3007.7803468937286	3006.6644045732346	36.5988035215927	57.48582672563245	
430	2014830	-87801.14133	924397.3170250766	39.41324311025349	-101.100548	318346.9615815567	4364760.477810591	3197.22141388369	3065.06504261533	3004.903764376525	3003.97609973793	57.1940719456373	58.120408485	
431	2014831	-87411.14133	924397.3170250766	39.41324896732276	-101.071711	318647.9492714387	4364752.228223258	3196.647700603703	3064.66155228298	3004.140778298443	3001.620461120338	56.84372203836197	59.3297638183163	
432	2014832	-86461.14133	924397.3170250766	39.41325051989312	-101.105372	318749.02764085925	4364752.405489295	3193.9519302307053	3058.05526382628	2999.4467609580494	2997.8556346149024	59.5457609580494	60.17980213315364	
433	2014833	-85821.14133	924397.3170250766	39.41326090761726	-101.103045	318950.0591194702	4364748.369631889	3192.23986353735	3056.0296816517002	2996.1740459328702	2995.428744314481	59.8556351787665	60.6003805701924	
434	2014834	-85161.14133	924397.3170250766	39.41326649129434	-101.1007067	319151.0912780354	4364743.337319623	3190.5206005914733	3054.038166620505	2993.066879471595	2992.495741433241	61.5791271848455	61.5791271848455	
435	2014835	-84501.14133	924397.3170250766	39.41327255	-101.0983719	319352.1232598941	4364740.28623498	3189.0210833122665	3052.099114250224	2989.7859505516514	2988.9266292579063	62.2732742737105	63.252632211613	
436	2014836	-83841.14133	924397.3170250766	39.4132787962336	-101.0960372	319553.1500526746	4364736.327327507	3187.0032219489563	3050.039219489563	2988.47528152339	2988.443525527966	64.615963791745	65.24996462	
437	2014837	-83161.14133	924397.3170250766	39.41328406727444	-101.093704	319754.1866942539	4364732.22623258	3186.46155228298	3048.140778298443	2991.3685722878134	2990.7981372780493	66.77400466	67.47400466	
438	2014838	-82521.14133	924397.3170250766	39.4132895639167	-101.091376	319955.219473611	4364728.19337677	3185.181767433138	3046.20227910332	2978.92223489225	2976.40156647816	68.8091246	69.8091246	
439	2014839	-81851.14133	924397.3170250766	39.4132952529549	-101.0890328	320156.2942449526	4364724.518722225	3183.702471370377	3044.27868473357	2971.569778040044	2971.366700718712	72.7109069312556	72.94168077	
440	2014840	-81021.14133	924397.3170250766	39.413300854417386	-101.0866981	320357.280529549	4364720.124289971	3182.024387297481	3042.370538555482	2966.123826584276	2965.4866407897016	76.26471197120642	76.8389777	
441	2014841	-80541.14133	924397.3170250766	39.41330630777887	-101.0843633	320558.31195195244	4364716.04909206	3180.46479768	3040.3966406144723	2959.264476241856	2958.8031274	81.26329177007417		
442	2014842	-79891.14133	924397.3170250766	39.41331186230942	-101.0820285	320759.3422026907	4364712.05610284	3178.667895170524	3038.61384494101	2953.678657173546	2951.9810333020267	86.63282111907438		
443	2014843	-79211.14133	924397.3170250766	39.413317298199026	-101.0796937	320960.3277785753	4364708.021714514	3176.795022150587	3036.9021594400974	2952.726654416866	2951.11028423104	88.75473998401078	89.7518720907562	
444	2014844	-78561.14133	924397.3170250766	39.4133226892576	-101.077359	321161.0347192119	4364703.988540268	3174.722554	3035.571821822015	2946.169219410127	2946.657082537884	90.4209224027977	91.814716441702	
445	2014845	-77901.14133	924397.3170250766	39.41332803521536	-101.0750242	321362.4334054056	4364695.95108081	3172.65106125274	3034.3080494914266	2947.90209393856	2947.09085811242	93.371942526676	92.6981880183775	
446	2014846	-77241.14133	924397.3170250766	39.4133333670204	-101.0726984	321563.463571602	4364689.952	3171.581258111638	3033.0494917682	2946.93060727682	2947.0913711788795	93.6118830700521	92.657061760795	
447	2014847	-76581.14133	924397.3170250766	39.4133389182778	-101.0703547	321764.4933468336	4364681.8884943	3175.755004174336	3031.812583	2946.932884342085	2946.772827150515	92.67998433433	92.67998433433	
448	2014848	-75921.14133	924397.3170250766	39.4133438	-101.068019	321965.523081781	4364678.06502775	3164.173157570303	3030.5860711159568	2946.70962345487405	2946.73522094776	93.6893665722521	92.6750809804817	
449	2014849	-75261.14133	924397.3170250766	39.41334896803621	-101.0656951	322166.552679536	4364683.423397931	3160.951305662513	3029.3639718234	2946.57125283773	2946.58143065615	94.0925719680005	93.62232113369852	
450	2014850	-74601.14133	924397.3170250766	39.41335408849892	-101.0633053	322367.5819239118	4364679.7097770	3157.00454828028	3028.4339717417	2946.206561856613	2946.48518830449	96.0623527	95.6526802264641	
451	2014851	-73941.14133	924397.3170250766	39.41335913964265	-101.061017	322569.6115481519	4364673.358274325	3154.07133667633	3027.45108214698	2945.65138898137	2945.65138898137	97.856135602043	96.756135602043	
452	2014852	-73281.14133	924397.3170250766	39.41336414901216	-101.0586908	322769.6401160001	4364671.27573963	3150.99055203389	3025.68852889122	2945.002341772752	2945.16512274946	98.5560875610252	97.52700625411762	
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454	2014854	-71961.14133	924397.3170250766	39.41337411298934	-101.0540112	323171.6976	4364663.6305985	3145.35308058726	3023.17173738991	2944.241987996746	2944.2286196056248	98.75297854031822	98.75297854031822	
455	2014855	-71301.14133	924397.3170250766	39.41337901423681	-101.0516764	323372.7671074333	4364659.63197512	3142.78836	3021.86726	2943.21583756693	2942.73611	99.65209512		
456	2014856	-70641.14133	924397.3170250766	39.41338384063322	-101.0493417	323573.754284167	4364655.60087407	3140.47469333333	3020.57832070773	2943.21583756693	2942.73611	99.65209512	98.75297854031822	
457	2014857	-69981.14133	924397.3170250766	39.413388926852	-101.0470938	323774.7622720646	4364651.3697258	3138.164857407266	3019.45379671	2942.777872714154	2942.777872714154	99.65209512	98.75297854031822	
458	2014858	-69321.14133	924397.3170250766	39.413393847273	-101.044671	323975.8107465922	4364647.83673056	3135.85271	3017.94055422085	2941.441032352456	2940.717611037368	99.65209512	98.75297854031822	
459	2014859	-68661.14133	924397.3170250766	39.41339814301819	-101.0423373	324176.8345450557	4364643.50826977	3133.759178297591	3016.6153359248638	2940.61040193929	2939.5473011488004	99.65209512	98.75297854031822	
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461	2014861	-67341.14133	924397.3170250766	39.4134073680105	-101.0376678	324578.8935405236	4364635.447664075	3130.00889126688	3013.966842486936	2937.412612108482	2936.51956027324	99.65209512	98.75297854031822	
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463	2014863	-66021.14133	924397.3170250766	39.41341655	-101.0329982	324980.9474459301	4364627.38769918	3126.133083818846	3011.334087730755	2935.41744776026	2935.045957910285	99.65209512	98.75297854031822	
464	2014864	-65361.14133	924397.3170250766	39.4134210321684	-101.030664	325181.9749	4364623.358274325	3124.07133667633	3010.17321049468	2934.5108214698	2934.5108214698	99.65209512	98.75297854031822	
465	2014865	-64701.14133	924397.3170250766	39.41342581631514	-101.0283286	325383.061703685	4364619.329	3121.88196233	3008.7068288121555	2933.492207785692	2933.034051141818	99.65209512	98.75297854031822	
466	2014866	-64041.14133	924397.3170250766	39.4134298198828	-101.0259939	325584.027648795	4364615.29960661	3119.755300239167	3007.39478213455	2933.77644054833	2932.5329901857235	99.65209512	98.75297854031822	
467	2014867	-63381.14133	924397.3170250766	39.4134352372227	-101.0236591	325785.0547	4364611.271	3117.590312051204	3006.0422951405	2932.39453953675	2930.6167281895634	99.65209512	98.75297854031822	
468	2014868	-62721.14133	924397.3170250766	39.413438544355046	-101.0213243	325986.0807855595	4364607.24191484	3115.3862637548343	3004.790900058218	2930.952781782395	2929.415712563176	99.65209512	98.75297854031822	
469	2014869	-62061.14133	924397.3170250766	39.4134428788664	-101.0189895	326187.107049132	4364603.21329184	3113.18221500339	3003.4896112551785	2929.454242498575	2927.81033055976	99.65209512	98.75297854031822	
470	2014870	-61401.14133	924397.3170250766	39.41344702631705	-101.0166547	326388.1330017616	4364609.184845738	3110.9716258094	3002.191526982954	2927.684538850494	2926.24719551172	99.65209512	98.75297854031822	
471	2014871	-60741.14133	924397.3170250766	39.4134519645968	-101.0143812	326590.1387059684	4364605.98192724	3108.745321940468	3001.042104169	2926.453813841238	2925.410341715658	99.65209512	98.75297854031822	
472	2014872	-60081.14133	924397.3170250766	39.41345537287427	-101.0119852	326790.18437474034	4364591.12873465	3108.8302130211123	2999.602385162524	2925.31771196889	2924.51011128588	99.65209512	98.75297854031822	
473	2014873	-59421.14133	924397.3170250766	39.413459411001014	-101.0096504	326991.20976729953	4364587.101006417	3106.135927185056	2998.308681671813	2924.8037588092	2924.3034955438	99.65209512	98.75297854031822	
474	2014874	-58761.14133	924397.3170250766	39.4134634902657	-101.0073156	327192.350181608	4364583.073	3104.439841	2997.015316205823	2924.01034063675	2923.9182039304667	99.65209512	98.75297854031822	
475	2014875	-58101.14133	924397.31702507											

ix	iy	ic	X.Yt	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevLogsKrg	BR/ElevBothKrg	SatHtLogs	SatHtBoth
55	201	148555	-5.301,141327	924397.3170250766	39.1364075	-00.08181975	344374.73914433	7462527.509255249	3016.757466600928	27.9754729633789606	2797.5714691087887	2795.7514691087887	78.9157893654311	78.49161720644497
556	201	148556	-46.41,141327	924397.3170250766	39.136418707604	-00.0818628	343675.75130178244	7462533.489168659	3017.65555676799	2874.17440225868	2798.4494645307347	2798.4451258486987	75.7219572791538	75.72626757395837
557	201	148557	-39.61,141327	924397.3170250766	39.1364181689075	-00.0818329	343675.75130178244	7462533.489168659	3017.65555676799	2874.17440225868	2798.4494645307347	2798.4451258486987	73.06827810261072	73.06827810261072
558	201	148558	-33.21,141327	924397.3170250766	39.13641631184355	-00.0811932	344077.77508970793	7462455.476661871	3004.774864	2797.3665446591195	2790.7405594200282	2790.7405594200282	70.6020519883206	70.59170505116642
559	201	148559	-26.61,141327	924397.3170250766	39.136418355861	-00.0808854	344278.78673463035	7462421.466209478	3001.452094	2868.54288483744	2799.5188938295078	2799.5188938295078	68.9353910536667	68.90171376881746
560	201	148560	-20.01,141327	924397.3170250766	39.1364194886376	-00.8056526	344479.79852520003	7462395.445956171	2998.8001254390787	2866.53627391205	2798.1149913484496	2798.205988	68.419254085541	68.33024912192514
561	201	148561	-13.41,141327	924397.3170250766	39.1364210805205	-00.804188	344680.860159664	7462343.445077075	2996.14941135418	2864.612743198118	2795.70313738581	2795.70313738581	68.9353910536667	68.90171376881746
562	201	148562	-6.41,141327	924397.3170250766	39.13642178182094	-00.801854	344881.8202610717	7462349.460085883	2993.498076269174	2862.682841367957	2792.34497406396	2792.34497406396	70.377628125792	70.31021011
563	201	148563	-2.14,141327	924397.3170250766	39.1364220217759	-00.7995197	345092.831885268	7462349.460085883	2993.498076269174	2862.682841367957	2792.34497406396	2792.34497406396	71.7277437455258	71.7277437455258
564	201	148564	6.58,856730733514	924397.3170250766	39.13642419	-00.797184	345283.842795337	746221.4169376	2987.2422719536735	2858.05057758411	2798.5254508914955	2798.5254508914955	72.727476894015	72.727476894015
565	201	148565	12.98,856730733514	924397.3170250766	39.13642411486355	-00.7948498	345484.853543444	746217.4071784	2983.963377	2856.860511215945	2785.9322852389732	2785.9322852389732	70.9093780368664	70.9093780368664
566	201	148566	19.58,856730733514	924397.3170250766	39.136420355461	-00.7925148	345685.864165282	746213.398672927	2980.680134395676	2854.91113575468	2786.68247454421	2786.68247454421	68.2286607122679	68.1074053861355
567	201	148567	26.18,856730733514	924397.3170250766	39.1364184714381	-00.79018	345886.87462462345	7462039.898292045	2977.1521988569136	2852.957566533044	2787.3021605891363	2787.3021605891363	65.405624037065	65.4063787086413
568	201	148568	32.78,856730733514	924397.3170250766	39.136414653143	-00.7878452	346067.8849353248	7462035.211871443	2973.6013874197605	2851.000388345323	2787.029124262045	2787.029124262045	63.59239875249476	63.59239875249476
569	201	148569	39.38,856730733514	924397.3170250766	39.136413901746	-00.7859104	346289.895696573	7462031.3724433	2968.6062489588	2849.004196995994	2785.946136630376	2785.946136630376	62.6805144148743	62.6805144148743
570	201	148570	45.98,856730733514	924397.3170250766	39.1364110730192	-00.7831756	346489.905193678	7462017.36453049	2965.833338	2847.07145693187	2784.18432434511	2784.18432434511	62.89113281267307	62.89113281267307
571	201	148571	52.58,856730733514	924397.3170250766	39.1364077	-00.7809408	346690.9147812055	7462013.35643639	2965.833338	2847.07145693187	2784.18432434511	2784.18432434511	63.1152171618235	63.1152171618235
572	201	148572	59.18,856730733514	924397.3170250766	39.136403855612	-00.778506	346891.924682899	7462013.35643639	2965.833338	2847.07145693187	2784.18432434511	2784.18432434511	63.68272170740084	63.68272170740084
573	201	148573	65.78,856730733514	924397.3170250766	39.1363996154587	-00.7761712	347092.9342551122	7461845.304086985	2963.727231184693	2841.177636	2775.287119423276	2775.287119423276	65.0892905	65.0892905
574	201	148574	72.38,856730733514	924397.3170250766	39.1363948942405	-00.773864	347293.9436737632	7461813.35349084	2967.07914629568	2839.2193919595694	2772.7046782026173	2772.7046782026173	62.850720251863	62.850720251863
575	201	148575	78.98,856730733514	924397.3170250766	39.1363897220064	-00.7715017	347494.952044559	746177.326314031	2978.34769663732	2837.2483775272885	2767.6566393123094	2767.6566393123094	61.99173821497916	61.99173821497916
576	201	148576	85.58,856730733514	924397.3170250766	39.1363849875674	-00.769169	347695.961	746173.71929305	2985.287406374984	2835.287406374984	2763.54962320207	2763.54962320207	61.99173821497916	61.99173821497916
577	201	148577	92.18,856730733514	924397.3170250766	39.136380244915	-00.7674923	347893.021681763	746169.25699995	2985.287406374984	2835.287406374984	2763.54962320207	2763.54962320207	61.99173821497916	61.99173821497916
578	201	148578	98.78,856730733514	924397.3170250766	39.136371492011	-00.7645473	348067.978070846	746165.305811857	2985.287406374984	2835.287406374984	2763.54962320207	2763.54962320207	61.99173821497916	61.99173821497916
579	201	148579	105.38,856730733514	924397.3170250766	39.13636542291335	-00.7621625	348298.9885517605	746161.305811857	2985.287406374984	2835.287406374984	2763.54962320207	2763.54962320207	61.99173821497916	61.99173821497916
580	201	148580	111.98,856730733514	924397.3170250766	39.1363571	-00.7598277	348499.907085749	746157.29314839	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
581	201	148581	118.58,856730733514	924397.3170250766	39.13634821722794	-00.7574829	348701.0054730107	746153.25082152	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
582	201	148582	125.18,856730733514	924397.3170250766	39.1363408792925	-00.755181	348902.013717505	746149.21288562	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
583	201	148583	131.78,856730733514	924397.3170250766	39.1363321075006	-00.753473	349103.021681763	746145.305811857	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
584	201	148584	138.38,856730733514	924397.3170250766	39.136323974915	-00.7504489	349304.0297564935	746141.27	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
585	201	148585	144.98,856730733514	924397.3170250766	39.1363131938047	-00.7481537	349505.0375589043	746137.325905487	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
586	201	148586	151.58,856730733514	924397.3170250766	39.1363036039856	-00.7458189	349706.052451646	746133.259973518	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
587	201	148587	158.18,856730733514	924397.3170250766	39.1362925	-00.7434841	349907.052768321	746129.351047404	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
588	201	148588	164.78,856730733514	924397.3170250766	39.1362814405344	-00.7411493	350108.060192813	746125.25082152	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
589	201	148589	171.38,856730733514	924397.3170250766	39.13626995408165	-00.7388145	350309.067413545	746121.24510345	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
590	201	148590	177.98,856730733514	924397.3170250766	39.13625911651325	-00.736478	350510.074489329	746117.214882241	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
591	201	148591	184.58,856730733514	924397.3170250766	39.1362483212956	-00.7341449	350711.0814207825	746113.27368094	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
592	201	148592	191.18,856730733514	924397.3170250766	39.1362327886306	-00.7318011	350912.0882	746109.23043961	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
593	201	148593	197.78,856730733514	924397.3170250766	39.1362198811585	-00.7294754	351113.0948501667	746105.23043961	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
594	201	148594	204.38,856730733514	924397.3170250766	39.13620575658005	-00.7271406	351314.1013686904	746101.227	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
595	201	148595	210.98,856730733514	924397.3170250766	39.1361915640407	-00.7248058	351515.10733494	746097.223781554	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
596	201	148596	217.58,856730733514	924397.3170250766	39.1361768204802	-00.722471	351716.1134222	746093.22	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
597	201	148597	224.18,856730733514	924397.3170250766	39.13616201874	-00.720184	351918.125906206	746089.21533062	2976.119425945414	2827.479639006732	2748.7190680451804	2748.7190680451804	61.99173821497916	61.99173821497916
598	201	148598	230.78,856730733514	924397.3170250766	39.1361462031706	-00.71780								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRrElevLogKgr.f	BRrElevBothKgr.f	SatHLogKgr.f	SatHBoth.f
67	202	148807	-327381.1413	925057.3170250766	39.40990651269898	-101.9575475	245362.8477089947	436640.36250964	3204.2396895256825	3562.46868084580024	3532.379613077198	3543.9085016782233	10.10726738080439	108.5783787797909
68	202	148808	-326721.1413	925057.3170250766	39.4099287	-101.955213	245563.981227678	436643.26112428	3841.8978389572433	3551.1498935824381	3529.1173688360814	3565.2323474650708	85.9175423428731	
69	202	148809	-326061.1413	925057.3170250766	39.40996172090966	-101.952678	245765.962846294	436642.14191217	3849.809618713407	3551.14525895827	3528.162938582207	3542.0492114845826	67.6285748813368	
70	202	148810	-325401.1413	925057.3170250766	39.409973430726694	-101.950544	245966.17819475652	436642.031916243	3824.214157250224	3548.466418339086	3522.37542020001	3596.296709808005	52.23674584690208	
71	202	148811	-324741.1413	925057.3170250766	39.40999564355145	-101.9482095	246167.2878344175	436643.232124859	3781.8192714618116	3547.119965653223	3518.5234551503167	3603.714249851282	128.59957445055154	43.0746804390454
72	202	148812	-324081.1413	925057.3170250766	39.401781128392	-101.945875	246368.39726080725	436644.191813	3813.64149	3545.765492202075	3514.64623859233	3594.8564527596195	31.1229253609681	50.9110964158793
73	202	148813	-323421.1413	925057.3170250766	39.4013993392401	-101.9435405	246569.5064	436644.157031534	3808.378059330125	3544.401374303151	3512.037391350599	3581.6264614922034	3512.037391350599	62.783912814094806
74	202	148814	-322761.1413	925057.3170250766	39.41006201148271	-101.941206	24670.61542244517	436641.53939137	3803.112627115407	3543.0469235845835	3510.637089786943	3581.656722947497	32.4086373564633	60.3312006060603
75	202	148815	-322101.1413	925057.3170250766	39.408494383798	-101.9388176	246871.72407716129	436647.850908045	3809.840678427293	3543.04274128096	3511.14525895827	3591.810694400046	131.8657369817819	
76	202	148816	-321441.1413	925057.3170250766	39.4110603130075	-101.935837	247172.8314814009	436640.37624005	3798.16869362556	3540.298670496267	3511.870053811995	3595.549225415127	128.4286171528417	44.75174845311403
77	202	148817	-320781.1413	925057.3170250766	39.4101797357101	-101.9340205	247373.3406538723	436639.26718014	3798.32515679975	3538.912650712884	3512.438393392927	3594.47603	126.47781131359125	49.438260254010377
78	202	148818	-320121.1413	925057.3170250766	39.41049870748725	-101.9318679	247575.0483830871	436635.19520567	3797.463344963254	3537.517941083304	3512.46376663189	3579.7435149146515	125.0451744512169	57.47588951652784
79	202	148819	-319461.1413	925057.3170250766	39.4101717228334	-101.9295334	247776.156193371	436639.051171453	3536.1140226884375	3531.1704554364383	3515.7463572023792	123.9546732023792	71.04246379228334	
80	202	148820	-318801.1413	925057.3170250766	39.41019352962631	-101.9271989	247977.2635979172	436634.3228266	3534.986125721414	3534.704191523065	3511.441250919476	3591.401304858736	123.2591623283069	85.390370934507
81	202	148821	-318141.1413	925057.3170250766	39.41021529172609	-101.9248844	248178.3075727237	436636.38467399	3793.62191838567	3533.27696920599	3509.84460040039	3533.873140169532	123.43243259692315	99.40352584627175
82	202	148822	-317481.1413	925057.3170250766	39.41023700853316	-101.9225299	248379.47765851262	436637.727861543	3792.2577077959294	3531.8424284889864	3508.632243830007	3520.53663055726	123.2100846279945	111.3387654330029
83	202	148823	-316821.1413	925057.3170250766	39.41025868024743	-101.9201954	248580.58451522173	436637.62006099	3790.163803	3530.3972051529954	3509.760487605064	3513.648122585305	123.63870754793156	116.7490825646404
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89	202	148829	-312861.1413	925057.3170250766	39.41038313588271	-101.9058182	25001.56135730374	436633.498308459	3774.8231472489167	3524.528118316481	3504.2546981715	3510.923454083687	112.7341208945222	118.77670691897157
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92	202	148832	-310881.1413	925057.3170250766	39.41045166944562	-101.8991846	250390.530351561	436637.63687912	3759.828972510034	3516.4040565308024	3502.974322290044	3504.8309444628862	123.4657342715599	111.6011206791614
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109	202	148849	-299661.1413	925057.3170250766	39.41080801781536	-101.8594858	253815.8670244406	4366268.394234757	3503.7085007362105	3505.7651373815	3504.7347369	3505.992368614538	123.461238962447	112.77670691897157
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111	202	148851	-298341.1413	925057.3170250766	39.41084871804181	-101.8548283	254211.4704163644	4366259.80154474	3503.7085					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBthKgr.ft	SatHtLogB.ft	SatHtBth.ft
193	202	148933	-242221.1413	925057.3170250766	39.41236726859481	-101.663904	270700.8432955302	456929.0461680193	3607.4188881226246	3341.6857021616257	3305.294055975456	3305.672616418653	329.1364644710786	126.01308599787399
194	202	148934	-243561.1413	925057.3170250766	39.41233639	-101.661056	270901.92536818476	456919.9754954523	3600.5412104424293	3303.2454291339362	3303.17772246181	327.9671362093062	127.96781360293062	127.96781360293062
196	202	148935	-242901.1413	925057.3170250766	39.4124005565993	-101.668721	271103.00365484005	456905.89913323495	3598.671274430094	3329.36893221984	3299.5126715861741	3284.465647995624	128.8742153879874	128.8742153879874
196	202	148936	-242421.1413	925057.3170250766	39.412417131842666	-101.6653684	271304.0834957015	456911.810922141	3595.200439451747	3328.26798328379	3295.8407174140157	3296.623796297076	127.4726901436332	131.661610461301
197	202	148937	-241581.1413	925057.3170250766	39.412433662731466	-101.6640518	271505.1631109747	456907.726915232	3593.763006	3327.1969564045094	3291.7520041821745	3292.631377136226	128.445622223349	130.868008089672
198	202	148938	-240921.1413	925057.3170250766	39.41245015	-101.6517171	271706.2425006667	456903.643	3592.32557138406	3326.107407689334	3288.0375601840474	3288.52108553297	138.0688054888605	137.5863649156605
199	202	148939	-240261.1413	925057.3170250766	39.41246658921816	-101.6493825	271907.3216655799	456899.5959139405	3592.925050226513	3325.015245982862	3285.010895265251	3285.79639436082	140.0043507175751	139.281535214496
200	202	148940	-239601.1413	925057.3170250766	39.41248296481597	-101.6470478	272108.4006532186	456894.641119543	3595.586935657	3323.917875242401	3284.5395705749115	3284.694396501092	140.73830466748937	139.2224735914996
201	202	148941	-238941.1413	925057.3170250766	39.41249933171776	-101.6447131	272309.4790202985	456891.392929603	3598.21032684463	3322.817237018538	3283.0181515017141	3284.465647995624	138.795296566999	138.381020711133
202	202	148942	-238281.1413	925057.3170250766	39.41251564072853	-101.6423785	272510.5570106703	456897.30994183	3600.8517105152787	3321.7035586244	3282.8590138720085	3284.7150366727424	138.84503172323	138.980145209938
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208	202	148948	-234321.1413	925057.3170250766	39.41261261095925	-101.6283705	273717.0241	456862.816311339	3591.9307684851583	3314.889612546076	3277.702659810754	3282.0853210015057	137.1889614438536	132.8040202310195
209	202	148949	-233661.1413	925057.3170250766	39.41262852	-101.6260358	273918.1010731622	456873.754079	3590.660528113621	3313.7284538329585	3277.640729719311	3282.4721401188670	136.0787291364755	131.2563135142882
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211	202	148951	-232341.1413	925057.3170250766	39.4126613698744	-101.621364	274320.254231225	456857.52251822	3588.09851250977	3311.373804322502	3276.688272	3284.168282101835	134.70553289659028	127.2055227300355
212	202	148952	-231681.1413	925057.3170250766	39.41267621411875	-101.6190318	274521.330509240	456846.491306814	3586.784425145697	3310.173481348096	3276.01071415425	3283.30495918134	125.833062762133	125.833062762133
213	202	148953	-231021.1413	925057.3170250766	39.412692023722326	-101.6166971	274722.406534014	456842.41056587	3584.070599408516	3308.90738620386	3275.287140143938	3275.37346098164	133.6899885	131.7796745222214
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216	202	148956	-229041.1413	925057.3170250766	39.41273981116841	-101.609631	275325.633127831	456830.17	3578.272103999805	3305.213710999805	3283.358227766594	3274.376348343158	121.855488202055	130.830725163922
217	202	148957	-228381.1413	925057.3170250766	39.41275481012084	-101.6073584	275526.7088461816	456826.08962408	3574.786960041716	3304.83452793164	3280.423642820197	3281.69964717051	122.8567391776129	122.8567391776129
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222	202	148962	-225081.1413	925057.3170250766	39.4128327336923	-101.595985	276532.08087790373	456805.63097146	3563.02133128240	3300.3421344116	3312.561574470288	3307.7880172570104	87.12080494543297	92.21779305
223	202	148963	-224421.1413	925057.3170250766	39.41284763672403	-101.593303	276733.1570403025	456801.6147348635	3562.563506089395	3305.9673233842923	3324.53678995546	3322.862271391357	71.4505334282647	73.1250519293357
224	202	148964	-223761.1413	925057.3170250766	39.4128624998406	-101.5910156	276934.2280321366	456797.53586713	3561.714662019178	3305.1813674446375	3315.8463643122119	3315.8463643122119	78.7842961786025	78.7842961786025
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226	202	148966	-222441.1413	925057.3170250766	39.41289341210755	-101.5863462	277336.3748470397	456789.379500288	3564.8518558587535	3301.89487951931	3302.868470361437	3299.585126496346	92.31036689	92.31036689
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230	202	148970	-219801.1413	925057.3170250766	39.41295382449845	-101.5770075	278140.6653	456773.06918431	3552.862679889126	3306.3068765745	3276.50051809156	3273.373404818144	102.8042185756581	112.9489470339076
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232	202	148972	-218481.1413	925057.3170250766	39.412983832541784	-101.5723381	278542.8092221666	456764.915257029	3548.70441490628	3303.4848223651	3265.54080424478	3263.5973777404	117.90724780516302	120.490415191043
233	202	148973	-217821.1413	925057.3170250766	39.412998739920724	-101.5700034	278743.8808532217	456760.83889585	3547.04845109025	3302.005339105604	3262.8325669788	3259.516097737568	112.8228261257627	120.490415191043
234	202	148974	-217161.1413	925057.3170250766	39.4130136222016	-101.567687	278944.952262458	456756.76132295	3545.42494420217	3300.56217430097	3259.661289179035	3256.7124130713	123.8830871306189	123.839673863346
235	202	148975	-216501.1413	925057.3170250766	39.4130291848424	-101.565398	279145.938246424	456752.78829187	3543.73882129637	3300.033824001	3259.661289179035	3256.7124130713	123.8830871306189	123.839673863346
236	202	148976	-215841.1413	925057.3170250766	39.41304319146928	-101.562993	279347.9943911654	456748.60982473	3540.126362220953	3300.71546040126	3258.713048789434	3256.7124130713	123.8830871306189	123.839673863346
237	202	148977	-215181.1413	925057.31										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHt1Kgr.ft	SatHt2Kgr.ft
319	202	149059	-161061.1413	925057.3170250766	-01.1209993859	-101.3692163	296035.2476310126	4365411.007748785	3426.2429678637545	35.55,1844231812233	3126.1723013748638	3135.5246778411993	3120.01212180635957	119.65974534002407
320	202	149060	-160401.1413	925057.3170250766	-01.120433635909	-101.3688816	296236.3010653586	4365406.349	3244.5937119367472	3254.001433114037	3125.9499696911302	3143.873730339493	3128.0514648247276	110.1250950576358
321	202	149061	-159781.1413	925057.3170250766	-01.1133962345216	-101.3645468	296437.2430315986	4365378.614847111	3422.944690921473	3124.48427738012	3126.482786633406	3144.603692447434	3126.331981043713	109.8411348236961
322	202	149062	-159081.1413	925057.3170250766	-01.11414457589521	-101.362212	296633.40713304925	4365369.831510264	3241.2951600827314	3251.62100875314057	3126.817955314607	3143.153930338493	3128.0451559677901	108.4681300709883
323	202	149063	-158421.1413	925057.3170250766	-01.114155126374005	-101.3598773	296839.46017259144	4365394.773	3419.26757599766	3250.423040716896	3126.883984362182	3145.900535135662	3123.5390562306779	109.5675235023299
324	202	149064	-157761.1413	925057.3170250766	-01.114156542787052	-101.3574255	297400.5128087525	4365391.751034012	3416.861687537494	3249.2146044253823	3126.498521	3138.8191895	3122.73873945421	110.2965050340327
325	202	149065	-157101.1413	925057.3170250766	-01.114157728594978	-101.3550277	297241.5652545316	4365386.667100711	3414.455791169923	3246.9585518852647	3125.8003382062631	3134.852323271238	3122.99021064336	113.15474643814097
326	202	149066	-156441.1413	925057.3170250766	-01.11418799910076	-101.3528729	297442.61748343427	4365382.595970314	3412.0498992169203	3247.72058254713	3124.692013637215	3131.501463	3122.0800446171947	115.2705953758491
327	202	149067	-155781.1413	925057.3170250766	-01.11418986	-101.3505362	297843.699822943	4365378.614847111	3408.08569687654	3245.5324922970385	3120.532662007174	3128.735525503764	3122.0140915186512	124.8567646967417
328	202	149068	-155121.1413	925057.3170250766	-01.11420290101174	-101.3482034	297844.72136252544	4365374.84820002	3405.53064111555	3244.285840410955	3122.0675501980205	3125.162505665296	3122.1292021110236	119.1214872601113
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330	202	149070	-153801.1413	925057.3170250766	-01.1142340040713114	-101.3435339	298246.6244788091	4365366.370428118	3398.517878719618	3241.761341265322	3118.79704936786	3120.819261493852	3122.96429187555392	120.94207971746971
331	202	149071	-153141.1413	925057.3170250766	-01.11424008835572	-101.3411991	298447.8757934188	4365361.37195911	3394.01638332722	3240.482267782929	3117.169857413254	3128.36635405402	3121.175443238795	121.175443238795
332	202	149072	-152481.1413	925057.3170250766	-01.114251133090451	-101.3386643	298648.9268410732	4365358.257425882	3388.535912549384	3239.19259002796	3115.068992270695	3115.989045045466	3124.12670679512667	123.2027494082996
333	202	149073	-151821.1413	925057.3170250766	-01.114261728352585	-101.3362526	298849.9776910874	4365354.200847001	3383.059517917555	3237.893998927707	3113.1162058074346	3117.957173967631	3124.757841203308	124.318815914399
334	202	149074	-151161.1413	925057.3170250766	-01.11427208070755	-101.3341497	299051.0283436995	4365350.144842264	3377.575203090717	3236.587343335114	3113.80330239546	3112.024040745681	3124.72403409801018	124.56960258917524
335	202	149075	-150501.1413	925057.3170250766	-01.11428237984818	-101.33186	299252.0779802294	4365346.8088046065	3372.702025241228	3235.733986813187	3110.858632269366	3110.9454774486988	3124.41476645473945	124.81183240268199
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337	202	149077	-149181.1413	925057.3170250766	-01.11430778411513	-101.3271904	299654.1791188681	4365337.37746827	3364.10718365194	3232.626044121345	3109.277836838254	3109.3261063361197	3123.3486572825193	123.3020977852251
338	202	149078	-148521.1413	925057.3170250766	-01.11431330987414	-101.3248556	299855.2288037707	4365333.922455482	3360.241507	3231.294524010022	3108.046505837716	3108.0699183863137	3123.24801811643056	123.22406055067887
339	202	149079	-147891.1413	925057.3170250766	-01.114322316593274	-101.3225029	300066.2786525505	4365328.67365435	3358.934068500343	3229.958335148368	3106.596216330483	3106.5438207761104	3123.04218178844	123.4147143725755
340	202	149080	-147201.1413	925057.3170250766	-01.11433324767754	-101.3201861	300257.2327126505	4365325.812	3356.4888115141603	3228.619778305576	3105.525255295936	3107.7117946413	3123.5912421	123.8416103591633
341	202	149081	-146541.1413	925057.3170250766	-01.1143449284321696	-101.3187491	300472.0072094658	4365323.157796806	3354.357798424	3227.6187782412857	3105.05217782412857	3105.05217782412857	3123.139076953034	119.1131284330325
342	202	149082	-145891.1413	925057.3170250766	-01.11435327586528	-101.3155165	300659.425	4365317.30316546	3353.9582455377	3225.9401891341904	3101.8022963577023	3101.176442850568	3123.137827745812	124.7637408912259
343	202	149083	-145221.1413	925057.3170250766	-01.114363223082225	-101.3131871	300860.4735662596	4365313.649039738	3353.617102769133	3224.60524924139	3101.194555	3100.130674838928	3123.40794216313929	124.4710745321036
344	202	149084	-144561.1413	925057.3170250766	-01.11437312365055	-101.3108469	301061.5240555480	4365309.59460594	3352.068868925857	3223.264858372344	3101.06867015623	3109.566374425926	3122.181591821162	125.0227441130855
345	202	149085	-143901.1413	925057.3170250766	-01.114381227	-101.3085122	301262.57255021355	4365305.510495304	3351.052109681344	3221.939431610862	3100.167327556277	3099.556852347985	3122.3077393060336	125.3827393060336
346	202	149086	-143241.1413	925057.3170250766	-01.11439279103318	-101.3061774	301463.62084961816	4365301.48472693	3350.03345047591	3220.616871434362	3101.032648611309	3099.064525546054	3119.5784494753146	121.5215245870854
347	202	149087	-142591.1413	925057.3170250766	-01.11440657070338	-101.3042678	301646.658952582	4365297.43389362	3347.872584317498	3219.610327217498	3100.9545769311687	3100.9545769311687	3118.4598837512667	119.4598837512667
348	202	149088	-141921.1413	925057.3170250766	-01.1144127278012978	-101.3015078	301785.176954343	4365293.380710495	3345.930710495	3218.610327217498	3100.4085348123098	3097.566402722694	3117.5874053627114	120.429535641445
349	202	149089	-141261.1413	925057.3170250766	-01.11442159385171	-101.299173	302066.764800754	4365289.328	3356.27702739385	3216.698251846414	3099.627511523668	3096.4994255186384	3117.0770320724613	120.198823277758
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351	202	149091	-139941.1413	925057.3170250766	-01.11444117022071	-101.2945034	302468.859423048	4365281.22134906	3354.654994	3214.130240660104	3097.5381968736234	3093.397273928315	3116.6024198648058	120.342787936271
352	202	149092	-139281.1413	925057.3170250766	-01.1144501706348	-101.2921687	302699.9606321356	4365277.196985389	3353.819043366372	3212.850501190931	3096.21473663143	3092.36729497014	3116.56400745588778	120.3478811192665
353	202	149093	-138621.1413	925057.3170250766	-01.11446026199133	-101.2898339	302870.9630539124	4365273.171438864	3352.983092716784	3211.91574262199	3094.7754049194245	3091.1148033496159	3116.8037196024766	120.46432058738856
354	202	149094	-137961.1413	925057.3170250766	-01.11446926533387	-101.2874691	303072.0025054548	4365269.96305325	3351.42140671554	3210.20053843443	3093.7708090931	3090.8741917950504	3116.9214971950504	119.9214971950504
355	202	149095	-137301.1413	925057.3170250766	-01.11447906176793	-101.2851643	303275.04806457656	4365265.01355474	3349.6169701801324	3209.01845052245	3092.916656257216	3091.33067331281	3116.80374790291	117.6878136734283
356	202	149096	-136641.1413	925057.3170250766	-01.11448842190104	-101.2828295	303474.0931656002	4365260.96191729	3345.39257802972	3207.73138857739	3091.303283932124	3091.569722380043	3116.4275601452545	116.116662679854
357	202	149097	-135981.1413	925057.3170250766	-01.114497736933264	-101.2804847	303675.1383393124	4365256.910482537	3341.16817805115	3206.435851146743	3090.51848289416	3087.265188552296	3115.7736022505827	115.766112594444
358	202	149098	-135321.1413	925057.3170250766	-01.11450700686457	-101.2781599	303876.1853097206	4365252.89592595	3338.9459158711	3205.129065910327	3088.582250091515	3082.31958483471	3115.546815841715	115.2894810671605
359	202	149099	-134661.1413	925057.3170250766	-01.11451651684696	-101.2758251	304088.80822216	4365248.80822216	3336.933190582746	3203.809333148374	3088.545173124767	3080.33683272981	3115.2639880023675	124.3251034185632
360	202	149100	-134001.1413	925057.3170250766	-01.11452541142444	-101.2734903	304278.276848485	4365245.77396328	3334.473387384416	3202.473387384416	3087.37872157494	3115.0603723971596	3124.05024831624367	124.05024831624367
361	202	149101	-133341.1413	925057.3170250766	-01.11453464546296	-101.2714583	304478.276848485	4365242.57396328	3332.473387384416	3201.473387384416	3086.37872157494	3114.98252157494	3114.98252157494	119.98252157494
362	202	149102	-132681.1413	925057.3170250766	-01.114543435365051	-101.2688207	304680.367	4365232.45036577	3332.245					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
441	202	149185	-77901.14133	925057.3170250766	39.45154084240714	-101.0750311	321366.4718287458	4364901.178088287	3174.906148871013	303.05061816703083	2969.2290359230215	2969.965676695815	58.3811457472868	65.103614
446	202	149186	-77241.14133	925057.3170250766	39.45154614383304	-101.0726862	321567.5016685896	4364897.144865097	3173.4707537703734	303.7853443301965	2968.495474420054	2969.3353344749424	58.3901668819108	64.4503985525409
447	202	149187	-76881.14133	925057.3170250766	39.4515138972332	-101.0703614	321768.531320095	4364893.111484142	3170.6466974087654	302.539692011023	2967.823593898723	2968.623593898723	58.3740107234726	63.85243814364198
448	202	149188	-75921.14133	925057.3170250766	39.451516610511275	-101.0680266	321969.5608258099	4364889.07485416	3166.4225967750373	303.174971781881	2966.69845339453	2967.63594339453	58.60900744193547	63.94355504252734
449	202	149189	-75261.14133	925057.3170250766	39.451516716719145	-101.0656917	322170.59014359716	4364885.054889806	3162.235624	303.08798319478183	2965.138350433267	2965.73421375084165	58.643262381432324	64.36226812432324
450	202	149190	-74601.14133	925057.3170250766	39.45151668678087	-101.0633569	322371.61928777525	4364881.013	3158.026548041832	302.872064244588	2961.902457679663	2962.7448914705964	58.6900656492502	66.39712776991951
451	202	149191	-73941.14133	925057.3170250766	39.4515179226241	-101.0610221	322572.648585496	4364876.98025115	3155.206123889131	302.632962504176	2958.5608063825356	2959.08429483098	58.69024899228105	68.5609136
452	202	149192	-73281.14133	925057.3170250766	39.451517700264173	-101.0586872	322737.6771	4364872.948512611	3153.76804295977	302.624373045533	2956.60877191686	2956.079913712003	58.7135655866535	70.54001473655026
453	202	149193	-72681.14133	925057.3170250766	39.4515186791887	-101.0563524	322974.7068977118	4364869.618542009	3151.05891697154	302.51695249074867	2955.76069814869	2956.183630441834	58.74083271626885	70.85158613522
454	202	149194	-71961.14133	925057.3170250766	39.451518699	-101.0540175	323175.734132505	4364854.8479357	3150.819810719683	302.38717532015	2953.16217616072	2953.223451102047	70.72520778594292	70.6536642296804
455	202	149195	-71301.14133	925057.3170250766	39.451519182316651	-101.0516827	323376.7624172454	4364850.853155986	3148.826303070714	302.2578032070714	2955.386249	2955.839895831304	58.71487467368145	66.7803073491202
456	202	149196	-70641.14133	925057.3170250766	39.451519667313698	-101.0493479	323577.7905185638	4364856.82177478	3146.1423	302.1248159671263	2953.0589099097536	2953.2592497162373	58.7892506923776	67.9889014058904
457	202	149197	-69981.14133	925057.3170250766	39.451520147800524	-101.047013	323778.8184532514	4364852.79095572	3145.552772701894	301.9194048345837	2947.185791575858	2946.792783572444	58.8119735872926	71.13216558
458	202	149198	-69321.14133	925057.3170250766	39.451520623771722	-101.0446782	323979.8462159327	4364848.759618811	3140.7624563472886	301.8552512475597	2944.4470572735998	2943.4756168184144	58.7976342291454	70.0796424291454
459	202	149199	-68681.14133	925057.3170250766	39.451521095243731	-101.042334	324180.873060553	4364844.72842035	3138.173994058699	301.7012418182003	2943.5907995831325	2942.130042115308	58.7313816250783	70.5740740028253
460	202	149200	-68001.14133	925057.3170250766	39.451521562198979	-101.040005	324381.3013	4364840.453300007	3135.854859992156	301.5185485992156	2943.11370011931	2941.11752215937	58.7271038038475	70.73710778
461	202	149201	-67341.14133	925057.3170250766	39.451522044657656	-101.0376737	324582.9286	4364836.67898862	3134.3910619594417	301.4504808386436	2940.884848864418	2938.349808918326	58.7362314279407	76.15967139460327
462	202	149202	-66681.14133	925057.3170250766	39.45152238512487	-101.035338	324783.9556111923	4364832.63730448	3132.37759391381	301.319715605398	2940.7624145322593	2940.6874847857	58.74066874375047	76.68012352
463	202	149203	-66021.14133	925057.3170250766	39.451523936006497	-101.033004	324984.9826	4364828.60734134	3130.223216526466	301.833992566893	2940.779338668694	2937.5899504663798	58.7560588060234	74.24404162051314
464	202	149204	-65361.14133	925057.3170250766	39.451523348921785	-101.030692	325186.0009229213	4364824.577999918	3127.952289023246	301.5033019350185	2938.898152343663	2936.203305046845	58.7650149905222	74.27271146051334
465	202	149205	-64701.14133	925057.3170250766	39.451523829371806	-101.028343	325387.038568691	4364820.58443789	3125.67814072819	300.7846931487184	2938.413091183114	2935.66017556461	58.7752253201427	73.5163913735308
466	202	149206	-64041.14133	925057.3170250766	39.45152429219498	-101.025995	325588.062513462	4364816.51907737	3123.4010564309759	300.7854953413394	2937.12363026244	2935.1313436284113	58.780326159535	72.722801369811
467	202	149207	-63381.14133	925057.3170250766	39.45152476965484	-101.023647	325790.182590817	4364812.98197154	3121.02949692244	300.7854953413394	2936.12363026244	2935.1313436284113	58.780326159535	72.722801369811
468	202	149208	-62721.14133	925057.3170250766	39.451525135408708	-101.021298	325990.114529302	4364808.40603385	3118.62975844663	300.5219830531463	2933.787446708715	2931.0743715739676	58.78143232827475	74.14566548
469	202	149209	-62061.14133	925057.3170250766	39.45152558184856	-101.018995	326191.14041455917	4364804.432209969	3116.2079220901387	300.30733556532	2932.167616356107	2929.780727241137	58.77397202	74.12661231
470	202	149210	-61401.14133	925057.3170250766	39.451525984	-101.0166601	326392.1661296584	4364800.403658148	3113.786085733145	300.25991675096275	2930.197740843704	2927.9813740450318	58.742466953228	74.61743346
471	202	149211	-60741.14133	925057.3170250766	39.451526041022874	-101.0143253	326593.191675156	4364798.337308363	3111.286132945497	300.219487546237	2927.939624007517	2926.021374403179	58.73553635048509	75.237613305787
472	202	149212	-60081.14133	925057.3170250766	39.451526138756495	-101.0119805	326794.2170522541	4364792.34716008	3109.9626490080807	2925.724042902686	2925.321911034	2924.7624610581207	58.70816145416204	76.0816145416204
473	202	149213	-59421.14133	925057.3170250766	39.45152722198774	-101.0096756	326995.2422601654	4364790.129250061	3107.1294969618474	2923.773809982458	2922.119801264216	2922.119801264216	58.74313082694842	76.57980182
474	202	149214	-58761.14133	925057.3170250766	39.45152762911659	-101.0073208	327196.267267283	4364787.91471149	3110.55186277392	2921.9847881078	2920.356313294814	2919.536313294814	58.7514351586645	76.8134351586645
475	202	149215	-58101.14133	925057.3170250766	39.4515280253143074	-101.0048959	327397.2921697407	4364780.32639432	3108.760290273092	2920.0919138037834	2920.694811536417	2919.0106772343914	58.7610940736623	77.0851408693023
476	202	149216	-57441.14133	925057.3170250766	39.451528401067166	-101.0026511	327598.316673817	4364776.23659711	3105.4259685639	2919.51585341377	2919.437099473916	2918.24919102494313	58.77344893269251	77.35485136292951
477	202	149217	-56781.14133	925057.3170250766	39.451528810388882	-101.0003162	327799.3414067610	4364772.2094519725	3102.346385698186	2918.489931550885	2918.833994534597	2915.859038	58.76593072	77.59893913913632
478	202	149218	-56121.14133	925057.3170250766	39.451529196160808	-100.9979814	328005.367732628	4364768.182516124	3100.271209896708	2918.235973731819	2917.470448280165	2916.32136482897	58.77479150669135	77.4797150669135
479	202	149219	-55461.14133	925057.3170250766	39.45152974224282	-100.9956468	328201.3899717213	4364764.15786248	3099.0790024473562	2917.047611455976	2913.3251975587279	2911.1080810568387	58.77268861	77.63268861
480	202	149220	-54801.14133	925057.3170250766	39.451529941150785	-100.9933117	328402.4140355817	4364760.129250061	3100.4213987515	2916.1294969618474	2915.78853840451	2913.3251975587279	58.77268861	77.63268861
481	202	149221	-54141.14133	925057.3170250766	39.45153026815132	-100.991099	328603.437667631	4364756.10202731	3098.649604927587	2914.8808412907516	2914.6066411141933	2913.3251975587279	58.77268861	77.63268861
482	202	149222	-53481.14133	925057.3170250766	39.451530694146085	-100.988642	328804.6415647796	4364752.07679205	3097.943029254977	2913.84902398806	2913.84902398806	2913.84902398806	58.77268861	77.63268861
483	202	149223	-52821.14133	925057.3170250766	39.451531057366794	-100.9863072	329005.4850950604	4364748.05068615	3094.289157147053	2912.582620839149	2907.582620839149	2907.582620839149	58.77268861	77.63268861
484	202	149224	-52161.14133	925057.3170250766	39.451531416077258	-100.9839723	329206.5084587201	4364744.015214757	3093.744411112548	2911.634625970731	2905.8241622288257	2905.8241622288257	58.77268861	77.63268861
485	202	149225	-51501.14133	925057.3170250766	39.45153170727475	-100.9816375	329407.5317	4364739.99962016	3093.1896509601484	2910.515527085214	2904.176296	2904.176296	58.77268861	77.63268861
486	202	149226	-50841.14133	925057.3170250766	39.451532119967446	-100.9793027	329608.5546897054	4364735.754	3092.634919703535	2909.713091036796	2903.015342415066	2902.416174	58.77268861	77.63268861
487	202	149227	-50181.14133	925057.3170250766	39.4515325914671714	-100.9769733	329810.581987515	4364731.987515	3091.4213987515	2908.4808412907516	2902.356313294814	2901.536313294814	58.77268861	77.63268861
488	202	149228	-49521.14133	925057.3170250766	39.451532851816642	-100.9746037	330010.6002511731	4364727.9245637	3090.076473949393	2907.970132485888	2901.6066411141933	2901.6066411141933	58.77268861	77.63268861
489	202	149229	-48861.14133	925057.3170250766	39.451533147195871	-100.9722881	330211.62278471726	4						

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.Y	SurfElev.T	W.Lt.	BRIElevLogKrg.T	BRIElevBothKrg.T	SatHtBoth.T	SatHtBoth.T
571	202	149311	5258.85867/3073351	925057.3170250766	-00.154543586111795	-00.7808044	446694.92675900285	4364394.559173628	2962.251421605327	2865.215350120562	2785.325189933522	59.88016018720986	59.53676116092496
572	202	149312	5918.85867/3073351	925057.3170250766	-00.154543520418338	-00.778955	446895.93626236885	4364390.51186238	2965.141625252525	2864.2650967895697	2782.164708712265	59.8069525451474	60.45902726422204
573	202	149313	6578.85867/3073351	925057.3170250766	-00.154543510715217	-00.781707	446936.9456182343	4364392.54300691	2961.03169471785	2861.31755849452	2779.035318260517	62.26043853745501	62.26043853745501
574	202	149314	7298.85867/3073351	925057.3170250766	-00.154543505018235	-00.778559	447297.95482710169	4364382.535810532	2970.923202468104	2839.362446465496	2774.1042695527294	77.3773968	65.2583750381028
575	202	149315	7898.85867/3073351	925057.3170250766	-00.154545178771806	-00.771501	447488.9638868512	4364378.528431158	2972.184758300356	2837.415043089145	2769.6272861587913	79.686869518284	67.78576875012322
576	202	149316	8558.85867/3073351	925057.3170250766	-00.154545125422424	-00.769161	447699.97482794326	4364374.521	2971.8200064343926	2835.465402581146	2764.766485114466	79.686869518284	70.4157136139966
577	202	149317	9278.85867/3073351	925057.3170250766	-00.1545456018000165	-00.766832	447900.98156349605	4364370.514266843	2971.4552453470997	2833.520089426152	2759.839164222066	79.686869518284	73.55517320334593
578	202	149318	9878.85867/3073351	925057.3170250766	-00.154499654553636	-00.764494	44811.9901807155	4364366.507486384	2971.0905024375089	2831.5774332647015	2758.3194831090273	75.26796015567428	75.9781253248127
579	202	149319	10538.85867/3073351	925057.3170250766	-00.1544958780784	-00.762167	44823.968590863	4364362.500700749	2971.520626709462	2829.368598390757	2751.3171731848685	75.26796015567428	76.0686869118037
580	202	149320	11158.85867/3073351	925057.3170250766	-00.1544852505759	-00.758657	448504.009739736	4364358.494528235	2977.74093252462	2827.705148332484	2748.13324205045	75.9158715845881	77.3723241312019
581	202	149321	11858.85867/3073351	925057.3170250766	-00.15445473720463	-00.7574918	44875.1015504292	4364354.488351704	2973.870728308485	2745.86438035122	2745.9697101181455	79.91171303	79.8063127234006
582	202	149322	12518.85867/3073351	925057.3170250766	-00.1544690244896	-00.755157	448906.0210316074	4364350.4823756905	2975.20668024894	2823.85159336795	2744.392773590959	79.45876574520408	79.2635759915106
583	202	149323	13178.85867/3073351	925057.3170250766	-00.15446026190565	-00.7528221	449107.031040057	4364346.476600743	2975.622190308424	2821.931593671014	2743.517614927301	79.45876574520408	79.2635759915106
584	202	149324	13838.85867/3073351	925057.3170250766	-00.154451032946	-00.7504783	449308.038015312	4364342.41026884	2975.226672691305	2820.01473275551	2743.25693325741	79.45876574520408	79.2635759915106
585	202	149325	14498.85867/3073351	925057.3170250766	-00.15444134765636	-00.7481524	449509.046931759	4364338.465654039	2975.244894444444	2818.100973577498	2743.3242302128265	79.45876574520408	79.2635759915106
586	202	149326	15158.85867/3073351	925057.3170250766	-00.1544312	-00.7458176	449710.05381217	4364334.46042864	2974.440711620543	2816.1907240187365	2743.560817312469	79.45876574520408	79.2635759915106
587	202	149327	15818.85867/3073351	925057.3170250766	-00.154420629856	-00.7434827	449911.0611356814	4364330.45551168	2972.589218514697	2814.2837917477195	2743.79812141556	79.45876574520408	79.2635759915106
588	202	149328	16478.85867/3073351	925057.3170250766	-00.1544095937555	-00.7411479	450112.0684	4364326.45074061	2968.1893151456907	2812.379983321121	2743.731051609015	79.45876574520408	79.2635759915106
589	202	149329	17138.85867/3073351	925057.3170250766	-00.1543981	-00.738813	450313.075044786	4364322.46174635	2965.819478372205	2810.4797127159347	2739.8870521543078	79.45876574520408	79.2635759915106
590	202	149330	17798.85867/3073351	925057.3170250766	-00.1543861690532	-00.7364782	450514.0822701934	4364318.4180389	2962.450102	2808.5811791590177	2736.13459190685	79.45876574520408	79.2635759915106
591	202	149331	18458.85867/3073351	925057.3170250766	-00.15437340324	-00.7341433	450715	4364314.350715	2962.531514	2806.68587825797	2738.571582766393	79.45876574520408	79.2635759915106
592	202	149332	19118.85867/3073351	925057.3170250766	-00.1543604048258	-00.7318805	450916.055656885	4364310.433671785	2960.36549870005	2804.79349161737	2732.12962452924	79.45876574520408	79.2635759915106
593	202	149333	19778.85867/3073351	925057.3170250766	-00.15434915974703	-00.729125	451107.12788773	4364306.433671785	2958.433671785	2802.643671785	2730.16279546163	79.45876574520408	79.2635759915106
594	202	149334	20438.85867/3073351	925057.3170250766	-00.1543339	-00.7271388	451318.108283577	4364302.42363496	2957.12809692581	2801.01408723142	2752.075082157568	79.45876574520408	79.2635759915106
595	202	149335	21098.85867/3073351	925057.3170250766	-00.154319147803	-00.7248039	451519.1144303202	4364298.423	2955.9649076885	2799.122863381734	2758.30228962922	79.45876574520408	79.2635759915106
596	202	149336	21758.85867/3073351	925057.3170250766	-00.154305070451	-00.7224691	451720.12043652	4364294.21898152	2954.1049274376137	2797.244916180344	2765.850825405713	79.45876574520408	79.2635759915106
597	202	149337	22418.85867/3073351	925057.3170250766	-00.15429	-00.7201342	451921.126287312	4364290.41958578	2950.24468197685	2795.36390876503	2774.613950313097	79.45876574520408	79.2635759915106
598	202	149338	23078.85867/3073351	925057.3170250766	-00.1542744	-00.7177994	452122.1320011915	4364286.4109919	2948.384807751294	2793.4841341679034	2782.00842588316	79.45876574520408	79.2635759915106
599	202	149339	23738.85867/3073351	925057.3170250766	-00.15426382878	-00.7154625	452323.127518287	4364282.4109919	2946.74125842624	2791.84797171294	2780.2789898989	79.45876574520408	79.2635759915106
600	202	149340	24398.85867/3073351	925057.3170250766	-00.1542418	-00.7131297	452524.143	4364278.40182578	2944.43079789737	2789.7789737	2778.0757348112	79.45876574520408	79.2635759915106
601	202	149341	25058.85867/3073351	925057.3170250766	-00.1542250585767	-00.7107498	452725.18248539	4364274.407025817	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
602	202	149342	25718.85867/3073351	925057.3170250766	-00.1542057	-00.70846	452926.1534	4364270.45003678	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
603	202	149343	26378.85867/3073351	925057.3170250766	-00.1541896345836	-00.7061251	453127.1584225036	4364266.40331489	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
604	202	149344	27038.85867/3073351	925057.3170250766	-00.1541716823993	-00.7039792	453328.132686496	4364262.401760727	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
605	202	149345	27698.85867/3073351	925057.3170250766	-00.1541579292227	-00.7017455	453529.188003596	4364258.40047015	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
606	202	149346	28358.85867/3073351	925057.3170250766	-00.1541392520145	-00.6991205	453730.172878773	4364254.39925159	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
607	202	149347	29018.85867/3073351	925057.3170250766	-00.15412197505	-00.6969587	453931.170127155	4364250.3983096	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
608	202	149348	29678.85867/3073351	925057.3170250766	-00.15410941635754	-00.6944508	454132.181053787	4364246.39753102	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
609	202	149349	30398.85867/3073351	925057.3170250766	-00.1540973565257	-00.692116	454333.185457069	4364242.39730336	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
610	202	149350	30998.85867/3073351	925057.3170250766	-00.15408526979479	-00.6897811	454534.1894679945	4364238.3965448	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
611	202	149351	31658.85867/3073351	925057.3170250766	-00.1540731286133	-00.6874463	454735.193383595	4364234.39560445	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
612	202	149352	32318.85867/3073351	925057.3170250766	-00.1540594822527	-00.685114	454936.197083662	4364230.397	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
613	202	149353	32978.85867/3073351	925057.3170250766	-00.1540463828784	-00.6827617	455137.198812958	4364226.39560445	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
614	202	149354	33638.85867/3073351	925057.3170250766	-00.1540334544264	-00.6804417	455338.20418013973	4364222.39726794	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
615	202	149355	34298.85867/3073351	925057.3170250766	-00.1539411401296	-00.6781698	455539.2078181325	4364218.39722353	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
616	202	149356	34958.85867/3073351	925057.3170250766	-00.153917476547	-00.6757121	455740.210689515	4364214.39	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
617	202	149357	35618.85867/3073351	925057.3170250766	-00.1538933810559	-00.6734372	455941.21620598	4364210.39835412	2943.0077885596	2787.85043837556	2749.431486280914	79.45876574520408	79.2635759915106
618													

ix	yy	ic43	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgs.f	BRrElevKgs.f	SatHtKgs.f	SatHtKgs.f
697	202	149437	88418.85867307335	925057.3170250766	39.15050280269845	-100.48665	372021.0230674542	4383891.134514131	2808.2314621589864	214.23767246237741	2566.7601114580918	2600.83436639501	47.776103295705	13.403370262876127
698	202	149438	89078.85867307335	925057.3170250766	39.15044215432204	-100.4843156	372222.015494344	4383887.151445493	2805.6670050114596	212.8909111911603	2565.89484816752	2597.682373076683	46.05786134740550	15.208408653491943
699	202	149439	89738.85867307335	925057.3170250766	39.15038195402584	-100.4818904	372423.0077890274	4383881.18698912	2811.5531392127967	210.8513527896474	2564.261728947725	2595.8949234967389	45.152933990487301	15.208408653491943
700	202	149440	90389.85867307335	925057.3170250766	39.1503159045106	-100.4796456	372632.99998111033	4383879.186628394	2803.1597810628392	210.23243474464	2564.1737122357316	2593.302707674648	45.05786134740550	16.928908698919237
701	202	149441	91058.85867307335	925057.3170250766	39.15025705307585	-100.4773107	372824.9920411966	4383875.250419889	2802.6763051998101	208.9210347152325	2563.4490936601487	2592.978189	45.3471010550379	15.208408653491943
702	202	149442	91718.85867307335	925057.3170250766	39.150191951	-100.4747599	373025.983939175	4383873.223	2802.1924999178923	207.6236234356006	2562.28558233144	2590.524791628715	45.38001420685754	17.098831800857162
703	202	149443	92378.85867307335	925057.3170250766	39.1501321471483	-100.4726411	373226.9759759033	4383867.240020994	2806.392799606231	206.8210347152325	2563.4490936601487	2592.978189	45.3471010550379	17.098831800857162
704	202	149444	93038.85867307335	925057.3170250766	39.15006879657575	-100.470363	373427.9674903014	4383863.259349684	2796.4112289105674	205.069742	2560.998402749437	2582.493952429856	45.38001420685754	17.098831800857162
705	202	149445	93698.85867307335	925057.3170250766	39.15000498174728	-100.4679714	373628.9589468584	4383859.278	2792.719602127967	203.815576867191	2557.938425789493	2580.998402749437	45.38001420685754	17.098831800857162
706	202	149446	94358.85867307335	925057.3170250766	39.1499407306183	-100.4655366	373829.956152675	4383855.29697726	2789.020646152002	202.577716343068	2556.336314211798	2547.165554031715	45.2413472224078	17.11872632011
707	202	149447	95018.85867307335	925057.3170250766	39.1498760230708	-100.4630318	374030.94184818486	4383851.310693788	2785.500661567014	201.2673402439147	2554.738558756525	2575.788495317316	45.1467563491188	25.68908071970052
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709	202	149449	96338.85867307335	925057.3170250766	39.1497452549207	-100.4586321	374432.9241510451	4383843.34582334	2778.82560	199.0586022203630	2550.649096939309	2547.193338012980	45.38001420685754	25.68908071970052
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711	202	149451	97658.85867307335	925057.3170250766	39.1496126826987	-100.4539625	374834.9059719059	4383829.34432314	2772.41612687709	196.8615054493966	2547.193338012980	2547.193338012980	45.38001420685754	25.68908071970052
712	202	149452	98318.85867307335	925057.3170250766	39.14954752000225	-100.4516277	375035.8967024743	4383831.414526372	2764.217192198495	195.8548114619927	2545.771900121007	2543.9001467672849	45.38001420685754	25.68908071970052
713	202	149453	98978.85867307335	925057.3170250766	39.1494783064043	-100.4492929	375236.8873134075	4383827.43817859	2757.82025726313	194.364020411421	2544.05914205467	2543.9001467672849	45.38001420685754	25.68908071970052
714	202	149454	99638.85867307335	925057.3170250766	39.1494104417306	-100.446958	375437.8770491272	4383823.455309067	2751.4332258156172	193.2121571516127	2542.03869070695	2545.229954464217	45.17364744917924	45.38001420685754
715	202	149455	100298.85867307335	925057.3170250766	39.1493421260396	-100.4446232	375638.8687119724	4383819.476	2747.746584176203	192.08278852777095	2539.755613032115	2543.112022	45.22323945459448	45.38001420685754
716	202	149456	100938.85867307335	925057.3170250766	39.14927132939272	-100.4422884	375839.8585303659	4383815.49689241	2746.81962517263	190.9475637124763	2537.175959831086	2542.139058764047	45.38001420685754	45.38001420685754
717	202	149457	101618.85867307335	925057.3170250766	39.1492041457174	-100.4399358	376040.887	4383811.51780164	2745.88290051974	189.8571254458037	2534.984331840756	2539.685931343733	45.38001420685754	45.38001420685754
718	202	149458	102278.85867307335	925057.3170250766	39.1491344725283	-100.437618	376241.8388605059	4383807.5350971494	2744.8611551511	188.687505544934	2531.960181874862	2536.691471763512	45.22323945459448	45.38001420685754
719	202	149459	102938.85867307335	925057.3170250766	39.1490641753708	-100.4353018	376443.7684876945	4383803.6781651	2743.83968	187.5827386874403	2529.154945362516	2534.984331840756	45.22323945459448	45.38001420685754
720	202	149460	103598.85867307335	925057.3170250766	39.14899378229194	-100.432991	376643.818557339	4383795.584252211	2743.5103845933638	186.4522057994853	2528.280514194244	2529.954154658237	45.1467563491188	45.38001420685754
721	202	149461	104258.85867307335	925057.3170250766	39.14892276049834	-100.4306143	376844.8008185203	4383791.634342611	2743.181482474	185.28687450884124	2527.768550884124	2527.768550884124	45.1467563491188	45.38001420685754
722	202	149462	104918.85867307335	925057.3170250766	39.1488512876884	-100.4282795	377045.795620144	4383791.634342611	2742.220594139334	184.54488311629	2525.547917286427	2526.067052395409	45.1467563491188	45.38001420685754
723	202	149463	105678.85867307335	925057.3170250766	39.14878794	-100.4259447	377246.786887843	4383791.634342611	2741.978911455334	183.5843106724085	2524.314698536137	2524.314698536137	45.1467563491188	45.38001420685754
724	202	149464	106238.85867307335	925057.3170250766	39.1487106989195	-100.423609	377447.776293759	4383793.617212917	2741.978911455334	182.563731480754	2523.063307340308	2523.063307340308	45.1467563491188	45.38001420685754
725	202	149465	106898.85867307335	925057.3170250766	39.14863417631896	-100.4212785	377648.765847845	4383791.634342611	2740.978911455334	181.546278624278	2521.946278624278	2521.946278624278	45.1467563491188	45.38001420685754
726	202	149466	107558.85867307335	925057.3170250766	39.148560682805	-100.418945	377849.746502455	4383791.634342611	2740.978911455334	180.5275420911925	2520.82920568535	2520.82920568535	45.1467563491188	45.38001420685754
727	202	149467	108218.85867307335	925057.3170250766	39.14848471583926	-100.4166054	378050.7435196324	4383791.634342611	2740.978911455334	179.5283293407221	2520.781874530593	2520.781874530593	45.1467563491188	45.38001420685754
728	202	149468	108878.85867307335	925057.3170250766	39.1484129794889	-100.4142706	378251.7323606024	4383767.763170779	2739.920794347989	178.51984628618456	2519.884628618456	2519.884628618456	45.1467563491188	45.38001420685754
729	202	149469	109538.85867307335	925057.3170250766	39.14833384596666	-100.4119358	378452.7210853398	4383763.78659371	2739.04465702368	177.52702192104349	2518.885880013026	2518.885880013026	45.1467563491188	45.38001420685754
730	202	149470	110198.85867307335	925057.3170250766	39.148263266295	-100.409091	378653.709639698	4383759.81034857	2738.088170574793	176.53031181574087	2517.9440187062815	2517.9440187062815	45.1467563491188	45.38001420685754
731	202	149471	110858.85867307335	925057.3170250766	39.14818773667678	-100.4067262	378854.689184566	4383755.834286525	2737.7820845986624	175.563075059595	2516.810478988751	2516.810478988751	45.1467563491188	45.38001420685754
732	202	149472	111518.85867307335	925057.3170250766	39.1481117537078	-100.4043814	379055.686533831	4383751.8525208	2736.74479648278	174.546278624278	2515.810478988751	2515.810478988751	45.1467563491188	45.38001420685754
733	202	149473	112178.85867307335	925057.3170250766	39.14803591379259	-100.4020565	379256.674824632	4383747.886213025	2735.8148569803424	173.563491336671	2514.71210252272	2514.71210252272	45.1467563491188	45.38001420685754
734	202	149474	112838.85867307335	925057.3170250766	39.1479584347284	-100.4002517	379457.6627061346	4383743.907100949	2734.733996159218	172.5701765331349	2513.6827007151684	2513.6827007151684	45.1467563491188	45.38001420685754
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737	202	149477	114818.85867307335	925057.3170250766	39.1477270376473	-100.3932573	380060.6267186714	4383731.981762518	2731.748177775857	169.5663699824054	2510.59017578181248	2510.59017578181248	45.1467563491188	45.38001420685754
738	202	149478	115478.85867307335	925057.3170250766	39.14764534801	-100.3909225	380261.6144054028	4383728.074901475	2730.74819371509	168.5647904181704	2509.567380794544	2509.567380794544	45.1467563491188	45.38001420685754
739	202	149479	116138.85867307335	925057.3170250766	39.1475634381	-100.3886259	380466.5894361679	4383724.05821416	2729.74819371509	167.5647904181704	2508.538270839363	250		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatTchLogKgr.ft	SatTchBoth.ft
83	203	149563	-318621.1413	925717.3172050766	39.14207136424656	-101.9202322	248854.7001890937	436657.9519	3789.202101784596	329.264063	3504.2397814631704	3516.59277040027412	102.0428160495976	112.67136266502894
84	203	149564	-316161.1413	925717.3172050766	39.14205291421275	-101.9178887	2487.8650832317	436657.9111802684	3787.14426847580346	3502.8191675930466	3514.045535562455	124.9965858047452	113.717256417348471	
85	203	149565	-315541.1413	925717.3172050766	39.142114527301874	-101.915641	2488.95154276533812	436657.70471584	3788.086351759942	3502.362591211015	3501.2834484186253	125.0734349684761	113.8291791581185	
86	203	149566	-314841.1413	925717.3172050766	39.1421361104885	-101.9131295	2489.61810823177	436657.59756826	3783.028602	3502.897290044055	3499.9767965554	150.987065	124.92049278974144	
87	203	149567	-314181.1413	925717.3172050766	39.1421576238123	-101.9108489	2493.8912347118722	436655.6949	3780.8023818931264	3503.4173758925757	3498.7852497013268	3509.869614515768	124.6364861925631	
88	203	149568	-313521.1413	925717.3172050766	39.142177904917967	-101.9085503	2495.902286712058	436655.38445081	3778.4082032230613	3502.9340982768317	3498.05684603604	3508.210892598404	123.87147136273227	
89	203	149569	-312861.1413	925717.3172050766	39.1422004508395	-101.9062158	2497.9913336	436655.1278	3776.0138818931264	3503.4173758925757	3497.612512206674	3507.947788654283	122.8189626700452	
90	203	149570	-312201.1413	925717.3172050766	39.142221807494035	-101.9038812	2499.824332807586	436654.71971974	3774.619505051391	3503.8851227532187	3497.1431673103275	3504.7317341646992	121.74195542289114	
91	203	149571	-311541.1413	925717.3172050766	39.1422431190085	-101.9015466	2501.95342765833812	436654.96693894	3769.909896861015	3502.4416603489	3495.73705063587	3502.022281312433	121.598665363454	
92	203	149572	-310881.1413	925717.3172050766	39.1422643543139	-101.899212	2503.945499942966	436653.96031047	3767.812802244046	3501.1854749	3492.989591	3499.445534458302	122.4947937	
93	203	149573	-310221.1413	925717.3172050766	39.14228561	-101.8968774	2505.9570585513	436653.84570384	3754.855203807927	3503.6737821432835	3489.917645522027	3503.7153662125625	117.936022903095	
94	203	149574	-309561.1413	925717.3172050766	39.14230678299143	-101.8945428	2507.9658467491057	436653.74949446	3742.82235371808	3501.841254456581	3487.153738549654	3491.571506	126.62787590962665	
95	203	149575	-308901.1413	925717.3172050766	39.142327914128675	-101.8922082	2509.975814471	436653.64356627	3742.4343561	3500.995400461311	3484.370768810413	3486.756413608984	125.62463165991785	
96	203	149576	-308241.1413	925717.3172050766	39.1423490017383	-101.8898736	2511.9910613616635	436652.53494814	3738.7009105033517	3500.366814841757	3481.7432304021484	3483.466427371946	126.39345118419946	
97	203	149577	-307581.1413	925717.3172050766	39.14237004112333	-101.8875739	2514.00164354474	436652.443478307	3734.956260993536	3500.266631813422	3478.1234067273763	3483.79104503882	127.14322208693999	
98	203	149578	-306921.1413	925717.3172050766	39.1423910369727	-101.885204	2516.1012677084193	436651.4330247945	3731.215609361555	3500.381195850839	3476.8759857460738	3483.10948170622	127.5002101476532	
99	203	149579	-306261.1413	925717.3172050766	39.14241119677384	-101.8828698	2518.1002369547585	436650.125966371	3728.04608374039	3500.491906159775	3474.9315296808625	3482.83120502164	127.5760629171902	
100	203	149580	-305601.1413	925717.3172050766	39.14243289	-101.8805352	2520.0437180258197	436650.116290029	3719.4499932874047	3500.5873815706163	3473.3718183004257	3476.8118725672535	127.2155632719052	
101	203	149581	-304941.1413	925717.3172050766	39.14245375387551	-101.8782006	2522.043757973659	436650.07198673	3712.853309	3508.672305266084	3472.4211810566727	3476.527525085224	126.2604946983467	
102	203	149582	-304281.1413	925717.3172050766	39.14247456945195	-101.875866	2524.0567545403358	436649.91430566	3706.256919102136	3507.1551870301523	3472.1551870301523	3476.268033586307	119.65004703219	
103	203	149583	-303621.1413	925717.3172050766	39.14249533983266	-101.8735314	2526.0667705178928	436649.810837426	3702.477645893928	3504.805158369535	3472.423563952714	3476.787174888201	119.79279798775248	
104	203	149584	-302961.1413	925717.3172050766	39.142516065120556	-101.8711968	2528.07875114043	436649.70570343	3701.515497679189	3504.8531064875458	3472.423563952714	3476.787174888201	119.79279798775248	
105	203	149585	-302301.1413	925717.3172050766	39.142536897491285	-101.868824	2530.09362792356	436649.59441454	3700.48243198174	3504.8531064875458	3472.423563952714	3476.787174888201	119.79279798775248	
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107	203	149587	-300981.1413	925717.3172050766	39.14257779041226	-101.864193	2534.11180625173	436647.30653398	3700.5417582713315	3508.914031	3474.480136020578	3474.480136020578	119.79279798775248	
108	203	149588	-300321.1413	925717.3172050766	39.14259851531972	-101.8618584	2536.122800910372	436647.29652399	3700.40451542717	3508.914031	3474.480136020578	3474.480136020578	119.79279798775248	
109	203	149589	-299661.1413	925717.3172050766	39.142619015132194	-101.8595238	2538.138048971273	436649.194310477	3700.2674458214077	3508.914031	3474.480136020578	3474.480136020578	119.79279798775248	
110	203	149590	-299001.1413	925717.3172050766	39.1426394698464	-101.8571891	2540.144807448522	436646.90272364	3700.130370040885	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
111	203	149591	-298341.1413	925717.3172050766	39.14265987947295	-101.8548545	2542.160929772356	436646.7858981523	3700.000000000000	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
112	203	149592	-297681.1413	925717.3172050766	39.14268032499941	-101.852519	2544.161616161616	436646.6666666667	3700.000000000000	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
113	203	149593	-297021.1413	925717.3172050766	39.14270056	-101.8501853	2546.177864749608	436647.787392323	3700.000000000000	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
114	203	149594	-296361.1413	925717.3172050766	39.14272083776865	-101.8478507	2548.18776880645	436646.68175886	3698.02562473814	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
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117	203	149597	-294381.1413	925717.3172050766	39.142781360218408	-101.8408468	2554.221768872	436646.385725555	3700.000000000000	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
118	203	149598	-293721.1413	925717.3172050766	39.14280146417438	-101.8385122	2556.2327043543	436644.28335774	3717.74360890154	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
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120	203	149600	-292401.1413	925717.3172050766	39.14284153680024	-101.8338429	2560.254605452894	436642.034179451	3718.872404923602	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
121	203	149601	-291741.1413	925717.3172050766	39.14286146547006	-101.8315083	2562.26529505868	436641.9833941261	3717.85513268025	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
122	203	149602	-291081.1413	925717.3172050766	39.14288140904374	-101.8291377	2564.2764582584	436641.83816586	3706.806255539626	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
123	203	149603	-290421.1413	925717.3172050766	39.142901277523204	-101.826839	2566.27658	436641.7444444	3705.44428213464	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
124	203	149604	-289761.1413	925717.3172050766	39.1429211005647	-101.824504	2568.285425414813	436640.68576938	3704.22630186414	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
125	203	149605	-289101.1413	925717.3172050766	39.14294109194174	-101.822178	2570.29681981053	436639.596841323	3703.78518213258	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
126	203	149606	-288441.1413	925717.3172050766	39.14296061238623	-101.819351	2572.32240483677	436639.487556634	3704.22630186414	3508.904521156463	3474.480136020578	3474.480136020578	119.79279798775248	
127	203	149607	-287781.1413	925717.3172050766	39.14298030462644	-101.8175005	2574.331043277613	436639.38903322	3700.1224744711	3545.3217659364905	3490.980412060677	3473.769524332855	113.531339034133	
128	203	149608	-287121.1413	925717.3172050766	39.1429999434335	-101.8151659	2576.34237671876	436639.30568905	3685.44517786975	3543.184802651306	3472.25454002136	3472.8536625716994	117.2028045159395	
129	203	149609	-286461.1413	925717.3172050766	39.1430195413883	-101.8128312	2578.35309854488	436638.719251234	3680.768383117843	3541.080627923734	3472.25454002136	3472.8536625716994	117.2028045159395	
130	203	149610	-285801.1413	925717.3172050766	39.14303909417557	-101.8104966	2580.36429553522	436638.450						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevBothKrg.	BRIElevBothKrg.	SatHtLogKrg.	SatHtBothKrg.
19	203	149689	-233661.1413	925717.3170250766	39.14444126045897	-101.6260664	73922.18995105795	3460660.042028874	3588.872605369598	3413.659083053032	3277.234759657512	3288.667991857355	32.4243266478989	124.9910964794968
210	203	149690	-233001.1413	925717.3170250766	39.14445720590262	-101.6237216	73922.18995105795	3460660.042028874	3588.751679215753	3412.462238174936	3276.432401	3289.581461813607	32.404992735945997	122.9004761375624
211	203	149691	-232841.1413	925717.3170250766	39.14447210542084	-101.6213689	73922.18995105795	3460660.042028874	3588.631022645647	3411.290557323797	3275.185454665686	3289.460351117593	32.404992735945997	122.9004761375624
212	203	149692	-231681.1413	925717.3170250766	39.14448906204575	-101.6190522	73922.18995105795	3460660.042028874	3588.501022645647	3410.082103083105	3274.305863467647	3289.161810264642	32.404992735945997	122.9004761375624
213	203	149693	-231021.1413	925717.3170250766	39.14450477000291	-101.6167174	73922.18995105795	3460660.042028874	3588.371022645647	3408.86687565352	3273.059885209976	3288.214820317072	32.404992735945997	122.9004761375624
214	203	149694	-230361.1413	925717.3170250766	39.14452034644244	-101.6143827	73922.18995105795	3460660.042028874	3588.241022645647	3407.615457083753	3272.303291780422	3287.115337196656	32.404992735945997	122.9004761375624
215	203	149695	-229701.1413	925717.3170250766	39.14453625418332	-101.612048	73922.18995105795	3460660.042028874	3588.111022645647	3406.361545708375	3271.059885209976	3286.259885209976	32.404992735945997	122.9004761375624
216	203	149696	-229041.1413	925717.3170250766	39.14455192662558	-101.6097132	73922.18995105795	3460660.042028874	3587.981022645647	3405.111022645647	3270.059885209976	3285.361545708375	32.404992735945997	122.9004761375624
217	203	149697	-228381.1413	925717.3170250766	39.14456769796908	-101.6073789	73922.18995105795	3460660.042028874	3587.851022645647	3404.861545708375	3269.059885209976	3284.461545708375	32.404992735945997	122.9004761375624
218	203	149698	-227721.1413	925717.3170250766	39.14458341	-101.6050347	73922.18995105795	3460660.042028874	3587.721022645647	3403.611545708375	3268.059885209976	3283.561545708375	32.404992735945997	122.9004761375624
219	203	149699	-227061.1413	925717.3170250766	39.14459981359304	-101.602709	73922.18995105795	3460660.042028874	3587.591022645647	3402.461545708375	3267.059885209976	3282.661545708375	32.404992735945997	122.9004761375624
220	203	149700	-226401.1413	925717.3170250766	39.14461614	-101.6003743	73922.18995105795	3460660.042028874	3587.461022645647	3401.311545708375	3266.059885209976	3281.761545708375	32.404992735945997	122.9004761375624
221	203	149701	-225741.1413	925717.3170250766	39.14463262435564	-101.5980395	73922.18995105795	3460660.042028874	3587.331022645647	3400.161545708375	3265.059885209976	3280.861545708375	32.404992735945997	122.9004761375624
222	203	149702	-225081.1413	925717.3170250766	39.14464930220524	-101.5957048	73922.18995105795	3460660.042028874	3587.201022645647	3399.011545708375	3264.059885209976	3279.961545708375	32.404992735945997	122.9004761375624
223	203	149703	-224421.1413	925717.3170250766	39.14466598395968	-101.593373	73922.18995105795	3460660.042028874	3587.071022645647	3397.861545708375	3263.059885209976	3278.061545708375	32.404992735945997	122.9004761375624
224	203	149704	-223761.1413	925717.3170250766	39.14468267100676	-101.5910383	73922.18995105795	3460660.042028874	3586.941022645647	3396.711545708375	3262.059885209976	3277.161545708375	32.404992735945997	122.9004761375624
225	203	149705	-223101.1413	925717.3170250766	39.14469936916045	-101.5887005	73922.18995105795	3460660.042028874	3586.811022645647	3395.561545708375	3261.059885209976	3276.261545708375	32.404992735945997	122.9004761375624
226	203	149706	-222441.1413	925717.3170250766	39.144716019261456	-101.586358	73922.18995105795	3460660.042028874	3586.681022645647	3394.411545708375	3260.059885209976	3275.361545708375	32.404992735945997	122.9004761375624
227	203	149707	-221781.1413	925717.3170250766	39.144732173096949	-101.5840311	73922.18995105795	3460660.042028874	3586.551022645647	3393.261545708375	3259.059885209976	3274.461545708375	32.404992735945997	122.9004761375624
228	203	149708	-221121.1413	925717.3170250766	39.144748365042539	-101.5816963	73922.18995105795	3460660.042028874	3586.421022645647	3392.111545708375	3258.059885209976	3273.561545708375	32.404992735945997	122.9004761375624
229	203	149709	-220461.1413	925717.3170250766	39.144764519263222	-101.5793616	73922.18995105795	3460660.042028874	3586.291022645647	3390.961545708375	3257.059885209976	3272.661545708375	32.404992735945997	122.9004761375624
230	203	149710	-219801.1413	925717.3170250766	39.14478067549002	-101.5770268	73922.18995105795	3460660.042028874	3586.161022645647	3389.811545708375	3256.059885209976	3271.761545708375	32.404992735945997	122.9004761375624
231	203	149711	-219141.1413	925717.3170250766	39.14479683192266	-101.5746891	73922.18995105795	3460660.042028874	3586.031022645647	3388.661545708375	3255.059885209976	3270.861545708375	32.404992735945997	122.9004761375624
232	203	149712	-218481.1413	925717.3170250766	39.14481298562583	-101.5723573	73922.18995105795	3460660.042028874	3585.901022645647	3387.511545708375	3254.059885209976	3269.961545708375	32.404992735945997	122.9004761375624
233	203	149713	-217821.1413	925717.3170250766	39.14482914940185	-101.5700225	73922.18995105795	3460660.042028874	3585.771022645647	3386.361545708375	3253.059885209976	3269.061545708375	32.404992735945997	122.9004761375624
234	203	149714	-217161.1413	925717.3170250766	39.144845266367975	-101.5676878	73922.18995105795	3460660.042028874	3585.641022645647	3385.211545708375	3252.059885209976	3268.161545708375	32.404992735945997	122.9004761375624
235	203	149715	-216501.1413	925717.3170250766	39.14486117	-101.565353	73922.18995105795	3460660.042028874	3585.511022645647	3384.061545708375	3251.059885209976	3267.261545708375	32.404992735945997	122.9004761375624
236	203	149716	-215841.1413	925717.3170250766	39.1448772647038	-101.5630183	73922.18995105795	3460660.042028874	3585.381022645647	3382.911545708375	3250.059885209976	3266.361545708375	32.404992735945997	122.9004761375624
237	203	149717	-215181.1413	925717.3170250766	39.1448933671038	-101.560683	73922.18995105795	3460660.042028874	3585.251022645647	3381.761545708375	3249.059885209976	3265.461545708375	32.404992735945997	122.9004761375624
238	203	149718	-214521.1413	925717.3170250766	39.1449094639357	-101.5583488	73922.18995105795	3460660.042028874	3585.121022645647	3380.611545708375	3248.059885209976	3264.561545708375	32.404992735945997	122.9004761375624
239	203	149719	-213861.1413	925717.3170250766	39.144925563946704	-101.556014	73922.18995105795	3460660.042028874	3585.001022645647	3379.461545708375	3247.059885209976	3263.661545708375	32.404992735945997	122.9004761375624
240	203	149720	-213201.1413	925717.3170250766	39.14494165856213	-101.5536792	73922.18995105795	3460660.042028874	3584.871022645647	3378.311545708375	3246.059885209976	3262.761545708375	32.404992735945997	122.9004761375624
241	203	149721	-212541.1413	925717.3170250766	39.144957732328165	-101.5513445	73922.18995105795	3460660.042028874	3584.741022645647	3377.161545708375	3245.059885209976	3261.861545708375	32.404992735945997	122.9004761375624
242	203	149722	-211881.1413	925717.3170250766	39.14497383439477	-101.5490097	73922.18995105795	3460660.042028874	3584.611022645647	3376.011545708375	3244.059885209976	3260.961545708375	32.404992735945997	122.9004761375624
243	203	149723	-211221.1413	925717.3170250766	39.14498993116192	-101.546678	73922.18995105795	3460660.042028874	3584.481022645647	3374.861545708375	3243.059885209976	3260.061545708375	32.404992735945997	122.9004761375624
244	203	149724	-210561.1413	925717.3170250766	39.14500603192266	-101.5443432	73922.18995105795	3460660.042028874	3584.351022645647	3373.711545708375	3242.059885209976	3259.161545708375	32.404992735945997	122.9004761375624
245	203	149725	-209901.1413	925717.3170250766	39.1450221680475226	-101.5420054	73922.18995105795	3460660.042028874	3584.221022645647	3372.561545708375	3241.059885209976	3258.261545708375	32.404992735945997	122.9004761375624
246	203	149726	-209241.1413	925717.3170250766	39.145038266367975	-101.5396707	73922.18995105795	3460660.042028874	3584.091022645647	3371.411545708375	3240.059885209976	3257.361545708375	32.404992735945997	122.9004761375624
247	203	149727	-208581.1413	925717.3170250766	39.14505435474264	-101.5373359	73922.18995105795	3460660.042028874	3583.961022645647	3370.261545708375	3239.059885209976	3256.461545708375	32.404992735945997	122.9004761375624
248	203	149728	-207921.1413	925717.3170250766	39.1450704639357	-101.5350011	73922.18995105795	3460660.042028874	3583.831022645647	3369.111545708375	3238.059885209976	3255.561545708375	32.404992735945997	122.9004761375624
249	203	149729	-207261.1413	925717.3170250766	39.1450865639357	-101.5326664	73922.18995105795	3460660.042028874	3583.701022645647	3367.961545708375	3237.059885209976	3254.661545708375	32.404992735945997	122.9004761375624
250	203	149730	-206601.1413	925717.3170250766	39.1451026639357	-101.5303316	73922.18995105795	3460660.042028874	3583.571022645647	3366.811545708375	3236.059885209976	3253.761545708375	32.404992735945997	122.9004761375624
251	203	149731	-205941.1413	925717.3170250766	39.1451187639357	-101.5280000	73922.18995105795	3460660.042028874	3583.441022645647	3365.661545708375	3235.059885209976	3252.861545708375	32.404992735945997	122.9004761375624
252	203	149732	-205281.1413	925717.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.U	UTM.V	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHSegKrg.ft	SatHBoth.ft
329	203	149815	-150501.1413	925717.3170250766	39.16095174888774	-101.3318732	299256.1407871181	4365547.332	3371.9303588154276	3234.203438005911	3108.208060948394	3107.8402902532843	125.99337705751663	126.2631475262654
330	203	149816	-149841.1413	925717.3170250766	39.16105437229829	-101.3295384	299457.1906324893	4365543.36449916	3368.437091360601	3226.678065518193	3107.57454417722	3107.450225934368	125.3013123409723	125.4708597178115
331	203	149817	-149818.1413	925717.3170250766	39.1611156	-101.3273038	299654.2968105025	4365539.2207607191	3364.85443922693	3223.542118188966	3108.76284911664468	3108.618355445688	124.75962407236102	124.92316244043785
332	203	149818	-148521.1413	925717.3170250766	39.161252681228	-101.3248687	299859.2903330007	4365535.165273937	3351.2612966473303	3230.202735859424	3105.63058	3105.46670595834762	124.56705963261324	124.75577690901718
333	203	149819	-147861.1413	925717.3170250766	39.1613595391672	-101.3225339	300060.33978856413	4365531.11	3360.47011561302	3228.859335328641	3104.0369618199275	3103.882877909774	124.82237350073355	124.7464741886708
334	203	149820	-147201.1413	925717.3170250766	39.16146035919446	-101.320199	300261.3809479278	4365527.0549911152	3361.9968313246195	3227.513270112896	3102.3539705974213	3102.0324191073205	125.15029591547469	125.4808510057546
341	203	149821	-146541.1413	925717.3170250766	39.1615607282044	-101.3178642	300462.4381113031	4365523	3363.524357038939	3226.166228998566	3100.054734200286	3100.054734200286	126.11119506025794	126.4171480037317
342	203	149822	-145881.1413	925717.3170250766	39.16166064619645	-101.3155293	300683.4687898637	4365518.945361497	3365.0502627532574	3224.81993299967	3098.188237748804	3097.60972275737394	126.3169492211637	127.21210205936571
343	203	149823	-145221.1413	925717.3170250766	39.1617691	-101.3131845	300864.5369199125	4365519.4869891575	3366.044968599937	3223.64781889966	3097.696465115315	3096.763286164168	126.618355445688	126.618355445688
344	203	149824	-144561.1413	925717.3170250766	39.1618591291273	-101.3108597	301065.5841275805	4365510.1087	3367.3076633187514	3222.195374128627	3096.240193027596	3097.2065404379616	126.895437055299	126.9259909749011
345	203	149825	-143901.1413	925717.3170250766	39.1619576940567	-101.3085248	301266.5634209034	4365506.782561499	3367.90368128514	3220.8028379855637	3098.831651567814	3097.3510481848376	127.911864174798	123.4517898060621
346	203	149826	-143241.1413	925717.3170250766	39.1620558079858	-101.30619	301467.6804955524	4365502.72870131	3360.4306529382516	3219.1597504450074	3099.165860234764	3097.106586321324	127.012008423052	123.2159940357448
347	203	149827	-142581.1413	925717.3170250766	39.1621534708889	-101.3038551	301688.728387313	4365498.70403393	3359.4610398876315	3218.591504261576	3099.16398876315	3096.672482164576	119.0527515688902	121.486722546766
348	203	149828	-141921.1413	925717.3170250766	39.1622506827695	-101.3015203	301869.776084525	4365494.41619068	3358.5885366194314	3216.851714053455	3098.820212733738	3095.8467641743795	118.03150139174163	120.709552797051
349	203	149829	-141261.1413	925717.3170250766	39.16234744363315	-101.2991854	302070.8238739529	4365490.588340179	3357.871363035598	3215.5548146037913	3098.155554309466	3094.706989461394	117.39259217284472	120.8369478763091
350	203	149830	-140601.1413	925717.3170250766	39.1624437341929	-101.2968056	302271.8709811204	4365485.151239221	3357.144142436196	3214.268062448552	3097.150857205487	3093.370808391028	117.1720832039555	120.8723929137967
351	203	149831	-139941.1413	925717.3170250766	39.16253396	-101.2945158	302472.9180191464	4365482.46448848	3356.2780424026273	3212.991771884453	3096.137109221394	3091.807203236643	116.8546256225932	121.18805164780997
352	203	149832	-139281.1413	925717.3170250766	39.16263530210885	-101.2921809	302673.964319822	4365478.409867973	3355.2451570129523	3211.721381	3094.968884677758	3090.0667028362933	116.7524959252187	121.651196466661
353	203	149833	-138621.1413	925717.3170250766	39.16272987689475	-101.2898461	302875.0165592336	4365474.35730278	3354.2115791602734	3210.4511913264037	3093.716023749202	3088.1988865000716	117.73537615770154	122.2530482633197
354	203	149834	-137961.1413	925717.3170250766	39.1628244826611	-101.2875112	303076.0581937483	4365470.30513773	3353.1779901863078	3209.1796228480179	3092.465233687551	3092.465233687551	122.1076484207343	122.1076484207343
355	203	149835	-137301.1413	925717.3170250766	39.1629185374073	-101.2851764	303277.1043466233	4365466.25130445	3352.04579393957	3207.9055536333626	3091.365324283864	3092.40296313879	116.540229349762	120.5025904952236
356	203	149836	-136641.1413	925717.3170250766	39.1630321411333	-101.2828415	303478.150687702	4365462.10127262	3350.4362787863395	3206.6251523493	3090.63026029034	3092.985181790025	116.1958946958344	113.6406969590363
357	203	149837	-135981.1413	925717.3170250766	39.1631352936585	-101.2805678	303685.4868733945	4365458.148511244	3349.006312949038	3205.468728722833	3089.768788928833	3093.767578722833	116.089528454647	113.6406969590363
358	203	149838	-135321.1413	925717.3170250766	39.1632339	-101.2781718	303880.2404015545	4365450.08237956	3337.7658731761034	3204.0046957161495	3088.4249021482	3082.629350293935	115.6163619465738	121.4107245232106
359	203	149839	-134661.1413	925717.3170250766	39.16332902461883	-101.275837	304081.2879273052	4365450.47010646	3333.845466160634	3202.729978166045	3087.381055	3085.796755197581	115.3489232689144	123.0534623744659
360	203	149840	-134001.1413	925717.3170250766	39.1633820458317	-101.2735021	304282.333504125	4365445.99590501	3330.2604587234355	3201.403064896815	3086.31993079404	3077.9735598007384	115.08313409748735	123.4235050615503
361	203	149841	-133341.1413	925717.3170250766	39.1634373394541	-101.2711673	304483.3783376903	4365441.945	3326.6754510861965	3200.058790434938	3085.2281119664262	3076.776916851174	122.38179285119047	123.179285119047
362	203	149842	-132681.1413	925717.3170250766	39.16353642920536	-101.2688324	304684.423377723	4365437.89457327	3323.094044434957	3198.697002345052	3084.13060806502	3075.4340441737128	114.56393023385503	122.2406817135942
363	203	149843	-132021.1413	925717.3170250766	39.16363574783838	-101.2664678	304885.4686733945	4365434.84166879	3320.99116364252719	3197.921327873693	3083.786788928833	3074.7343417100249	114.3336417100249	122.1336417100249
364	203	149844	-131361.1413	925717.3170250766	39.1637447341929	-101.2641627	305098.5129473834	4365429.793936134	3317.10430431151	3195.303289146271	3081.956587497965	3076.319163934763	113.9737136397452	119.61113421139082
365	203	149845	-130701.1413	925717.3170250766	39.16383427872915	-101.2618279	305287.5573700316	4365425.743936782	3312.415436500368	3193.522858771165	3080.999040133537	3075.910166434854	113.52395470381134	118.6182692321096
366	203	149846	-130041.1413	925717.3170250766	39.1639323724345	-101.259493	305488.6016004706	4365421.69416814	3311.522471794876	3193.07774684684	3080.13939810937	3075.751023910937	117.5267321588367	121.5267321588367
367	203	149847	-129381.1413	925717.3170250766	39.1640120147356	-101.2571581	305689.6546042632	4365417.64452922	3308.3946242176124	3191.683974293737	3079.53920400755	3075.655368453469	112.1146470289814	115.9589897608083
368	203	149848	-128721.1413	925717.3170250766	39.1641002062025	-101.2548233	305890.6894961364	4365413.951820975	3304.9316785487517	3190.885828529434	3078.915108261745	3076.1031732112725	111.2477495119837	114.068665137081
369	203	149849	-128061.1413	925717.3170250766	39.164187946528	-101.2525484	306091.7334787291	4365409.45894393	3301.468854921379	3188.7054520044112	3078.468949715818	3076.54406378252	110.752682525251	112.1386280219923
370	203	149850	-127401.1413	925717.3170250766	39.164273240675	-101.2501356	306292.7765178127	4365405.47109828	3298.006312949038	3187.1921321710498	3078.1267303986	3075.54178216498	110.497254178216498	111.08539454647
371	203	149851	-126741.1413	925717.3170250766	39.1643620704783	-101.2478187	306493.8189877012	4365401.48277965	3293.04016900722	3185.668948982084	3077.982295474476	3076.7818021813874	107.887514158023	108.8518252717921
372	203	149852	-126081.1413	925717.3170250766	39.16444846185854	-101.2454839	306694.8629867102	4365397.399634393	3286.73236960237	3184.11008613312	3076.042508020949	3077.563300668525	107.6539284038233	106.554299944787
373	203	149853	-125421.1413	925717.3170250766	39.1645343382145	-101.243149	306895.905886935	4365393.512737425	3280.373217718731	3182.5163233948905	3078.090314786281	3078.166341360747	104.4455006606954	104.3754293481583
374	203	149854	-124761.1413	925717.3170250766	39.164619835984	-101.2408141	307096.9486978876	4365390.30309154	3274.0114661728335	3180.32828280217	3076.350346548175	3076.175223	104.5778917539962	104.7513016174996
375	203	149855	-124101.1413	925717.3170250766	39.16470049178982	-101.2384793	307297.991218998	4365385.255	3270.815226728593	3179.2935612645865	3075.9227778380815	3073.366089629374	103.707287750051	105.9329014349614
376	203	149856	-123441.1413	925717.3170250766	39.16478950131	-101.2361444	307499.0335531187	4365381.207363301	3270.783647	3177.630450131752	3077.164254349078	3075.930272505394	105.987066432261	106.700176263324
377	203	149857	-122781.1413	925717.3170250766	39.16487863929887	-101.2338272	307699.991218998	4365377.4020125	3270.783647	3177.630450131752	3077.164254349078	3075.930272505394	105.987066432261	106.700176263324
378	203	149858	-122121.1413	925717.3170250766	39.16496513468274	-101.2314477	307901.1176539071	4365373.11388995	3270.783647	3177.630450131752	3077.164254349078	307		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	Wt	SatHtKrg.ft
461	203	14991	-67341.14133	925717.3170250766	39.4107330357395486	-10.0376796	324586.9637884507	4365037.888331636	313.3343669	315.047601318023	2945.0410615056216	2941.923809880209	70.0063881150163	73.1237913781405
462	203	14994	-66681.14133	925717.3170250766	39.4107330357395486	-10.0353447	324787.9906533414	4365033.79793297	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
463	203	14994	-62651.14133	925717.3170250766	39.4107330357395486	-10.0353447	324787.9906533414	4365033.79793297	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
464	203	14994	-65631.14133	925717.3170250766	39.4107330357395486	-10.0353447	324787.9906533414	4365033.79793297	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
465	203	14994	-64701.14133	925717.3170250766	39.4107330357395486	-10.02834	325391.0702234527	4365021.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
466	203	14994	-64041.14133	925717.3170250766	39.4107330357395486	-10.026051	325592.0964563415	4365019.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
467	203	14994	-63381.14133	925717.3170250766	39.4107330357395486	-10.0236702	325793.1224179297	4365013.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
468	203	14994	-62712.14133	925717.3170250766	39.4107330357395486	-10.0213533	325994.1482603118	4365009.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
469	203	14994	-62051.14133	925717.3170250766	39.4107330357395486	-10.019004	326195.1793529951	4364995.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
470	203	14995	-61401.14133	925717.3170250766	39.4107330357395486	-10.016655	326396.1994	4364991.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
471	203	14995	-60741.14133	925717.3170250766	39.4107330357395486	-10.0143308	326597.2247700327	4364987.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
472	203	14995	-60081.14133	925717.3170250766	39.4107330357395486	-10.0119957	326798.2493400047	4364983.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
473	203	14995	-59421.14133	925717.3170250766	39.4107330357395486	-10.009608	326999.2749038386	4364979.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
474	203	14995	-58761.14133	925717.3170250766	39.4107330357395486	-10.007259	327200.2995781047	4364985.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
475	203	14995	-58101.14133	925717.3170250766	39.4107330357395486	-10.004981	327401.364159022	4364981.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
476	203	14995	-57441.14133	925717.3170250766	39.4107330357395486	-10.002661	327602.3480743575	4364977.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
477	203	14995	-56781.14133	925717.3170250766	39.4107330357395486	-10.0003212	327803.3722991855	4364973.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
478	203	14995	-56121.14133	925717.3170250766	39.4107330357395486	-10.007963	328004.394584536	4364969.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
479	203	14995	-55461.14133	925717.3170250766	39.4107330357395486	-10.0056154	328205.4213715279	4364965.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
480	203	14995	-54801.14133	925717.3170250766	39.4107330357395486	-10.0033165	328406.4451910634	4364961.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
481	203	14995	-54141.14133	925717.3170250766	39.4107330357395486	-10.0010186	328607.468834373	4364957.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
482	203	14995	-53481.14133	925717.3170250766	39.4107330357395486	-10.0088467	328808.492326486	4364953.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
483	203	14995	-52821.14133	925717.3170250766	39.4107330357395486	-10.0065481	329010.518470884	4364949.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
484	203	14995	-52161.14133	925717.3170250766	39.4107330357395486	-10.0042495	329213.537982444	4364945.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
485	203	14995	-51501.14133	925717.3170250766	39.4107330357395486	-10.0019514	329415.561744441	4364941.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
486	203	14995	-50841.14133	925717.3170250766	39.4107330357395486	-10.0097071	329615.5840354997	4364937.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
487	203	14995	-50181.14133	925717.3170250766	39.4107330357395486	-10.0074082	329816.6072567548	4364933.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
488	203	14995	-49521.14133	925717.3170250766	39.4107330357395486	-10.0051093	330014.62974415877	4364929.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
489	203	14995	-48861.14133	925717.3170250766	39.4107330357395486	-10.0028104	330216.6526519876	4364925.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
490	203	14995	-48201.14133	925717.3170250766	39.4107330357395486	-10.0005118	330418.6792452081	4364921.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
491	203	14995	-47541.14133	925717.3170250766	39.4107330357395486	-10.0082638	330619.6962136385	4364917.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
492	203	14995	-46881.14133	925717.3170250766	39.4107330357395486	-10.0059657	330818.7180390024	4364913.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
493	203	14995	-46221.14133	925717.3170250766	39.4107330357395486	-10.0036678	331019.7390173925	4364909.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
494	203	14995	-45561.14133	925717.3170250766	39.4107330357395486	-10.0013692	331220.7611983174	4364905.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
495	203	14995	-44901.14133	925717.3170250766	39.4107330357395486	-10.0090816	331427.8250388032	4364901.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
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497	203	14995	-43581.14133	925717.3170250766	39.4107330357395486	-10.0044846	331832.8437037487	4364893.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
498	203	14995	-42921.14133	925717.3170250766	39.4107330357395486	-10.0021861	332034.85444625	4364889.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
499	203	14995	-42261.14133	925717.3170250766	39.4107330357395486	-10.0098954	332235.866216343	4364885.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
500	203	14995	-41601.14133	925717.3170250766	39.4107330357395486	-10.0075968	332436.8867347166	4364881.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
501	203	14995	-40941.14133	925717.3170250766	39.4107330357395486	-10.0052983	332639.907081768	4364877.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
502	203	14995	-40281.14133	925717.3170250766	39.4107330357395486	-10.0029997	332842.9273738733	4364873.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
503	203	14995	-39621.14133	925717.3170250766	39.4107330357395486	-10.0006991	333045.948698845	4364869.7681293027	316.296335439358	313.6873812485146	2944.476625635092	2941.923809880209	70.0063881150163	73.1237913781405
504	203	14994	-38961.14133	925717.3170250766	39.4107330357395486	-10.0084018	333248.9676150415	4364865.7681293027	316.296335439358	313.6873812485146	2			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtKgs.ft	SatHtBoth.ft
587	203	150607	15818.85867303351	925717.3170250766	-0.9471225879543144	49915.06970561934	4364531.656	2958.85804482382	214.5854283666163	2743.971993044415	2744.7249952032593	70.6134332220144	69.8243163369097
588	203	150608	16474.85867303351	925717.3170250766	-0.947125375942406	-0.001741464	35016.1674977682	4364525.671511012	2963.276329137013	2744.72499561146923	2744.72499561146923	70.6134332220144	69.8243163369097
589	203	150609	17138.85867303351	925717.3170250766	-0.947125487238355	-0.001748815	35163.121308881	4364525.671511012	2963.276329137013	2744.72499561146923	2744.72499561146923	70.6134332220144	69.8243163369097
590	203	150610	17798.85867303351	925717.3170250766	-0.9471254334003	-0.001743464	35016.1674977682	4364525.671511012	2963.276329137013	2744.72499561146923	2744.72499561146923	70.6134332220144	69.8243163369097
591	203	150611	18458.85867303351	925717.3170250766	-0.947125614518665	-0.001734147	35019.109671283116	4364515.6330512	2956.03049842314	2743.971993044415	2744.72499561146923	70.6134332220144	69.8243163369097
592	203	150612	19118.85867303351	925717.3170250766	-0.947124891053035	-0.001731808	35020.1307200248	4364511.6330512	2956.03049842314	2743.971993044415	2744.72499561146923	70.6134332220144	69.8243163369097
593	203	150613	19778.85867303351	925717.3170250766	-0.94712478138357	-0.001729419	35121.1092898345	4364507.62999414	2962.8647242468	2748.5033376476479	2748.5033376476479	70.6134332220144	69.8243163369097
594	203	150614	20438.85867303351	925717.3170250766	-0.947124620716026	-0.001727137	35122.1105783877	4364503.62999414	2962.8647242468	2748.5033376476479	2748.5033376476479	70.6134332220144	69.8243163369097
595	203	150615	21098.85867303351	925717.3170250766	-0.9471244767833106	-0.001724801	35123.121308881	4364503.62999414	2962.8647242468	2748.5033376476479	2748.5033376476479	70.6134332220144	69.8243163369097
596	203	150616	21758.85867303351	925717.3170250766	-0.947124323400211	-0.001722461	35124.1270983025	4364495.61970405	2972.522058902746	2757.62818031975	2757.62818031975	70.6134332220144	69.8243163369097
597	203	150617	22418.85867303351	925717.3170250766	-0.94712421813867285	-0.001720132	35125.1327432225	4364491.61970405	2976.716274877943	2756.75103205677	2756.75103205677	70.6134332220144	69.8243163369097
598	203	150618	23078.85867303351	925717.3170250766	-0.9471242026	-0.001717793	35216.1382471033	4364487.613067026	2980.207526165825	2773.885612827517	2773.885612827517	70.6134332220144	69.8243163369097
599	203	150619	23738.85867303351	925717.3170250766	-0.94712386948609	-0.0017154624	352327.1436	4364481.6305603	2982.39458754688	2792.017847325194	2792.017847325194	70.6134332220144	69.8243163369097
600	203	150620	24398.85867303351	925717.3170250766	-0.947123701463976	-0.0017131275	352528.1488238227	4364479.60782415	2990.149363665917	2977.301110618046	2977.301110618046	70.6134332220144	69.8243163369097
601	203	150621	25058.85867303351	925717.3170250766	-0.947123532486962	-0.001710796	35278.1359881822	4364475.60596403	2983.97980812733	2788.277615153635	2788.277615153635	70.6134332220144	69.8243163369097
602	203	150622	25718.85867303351	925717.3170250766	-0.94712338903562	-0.001708457	35290.1583013947	4364471.60346505	2994.79041635246	2796.40172593404	2796.40172593404	70.6134332220144	69.8243163369097
603	203	150623	26378.85867303351	925717.3170250766	-0.947123190478628	-0.001706128	35313.1636198983	4364467.60150445	2994.79041635246	2796.40172593404	2796.40172593404	70.6134332220144	69.8243163369097
604	203	150624	27038.85867303351	925717.3170250766	-0.947122996421621	-0.001703789	35332.1626766486	4364463.599827014	3002.344599671326	2792.42169439107	2792.42169439107	70.6134332220144	69.8243163369097
605	203	150625	27698.85867303351	925717.3170250766	-0.947122811	-0.001701453	35353.127736571	4364459.59872054	3008.4534265401	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
606	203	150626	28358.85867303351	925717.3170250766	-0.9471226138156	-0.0016991181	35374.1771380675	4364455.9872054	3016.7786152142876	2796.40172593404	2796.40172593404	70.6134332220144	69.8243163369097
607	203	150627	29018.85867303351	925717.3170250766	-0.94712242311865	-0.001696781	35395.181361104	4364451.95959397	3027.761977882996	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
608	203	150628	29678.85867303351	925717.3170250766	-0.947122223121585	-0.001694482	35416.185427548	4364447.959097274	3036.74623234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
609	203	150629	30338.85867303351	925717.3170250766	-0.94712202311865	-0.001692185	35437.1921380675	4364443.959097274	3045.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
610	203	150630	30998.85867303351	925717.3170250766	-0.94712180546961	-0.001689784	35458.1932	4364439.59321626	3054.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
611	203	150631	31658.85867303351	925717.3170250766	-0.947121554478386	-0.001687435	35479.1968	4364435.59321626	3063.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
612	203	150632	32318.85867303351	925717.3170250766	-0.94712135838638	-0.001685108	35490.200362978	4364431.594	3072.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
613	203	150633	32978.85867303351	925717.3170250766	-0.947121157190595	-0.001682737	35514.12037198846	4364427.59352054	3081.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
614	203	150634	33638.85867303351	925717.3170250766	-0.94712092509103	-0.001680438	35534.2068811617	4364423.5936617	3090.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
615	203	150635	34298.85867303351	925717.3170250766	-0.94712070311865	-0.001678109	35554.22714859	4364419.5936617	3099.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
616	203	150636	34958.85867303351	925717.3170250766	-0.947120487238355	-0.001675768	35574.243542777	4364415.5936617	3108.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
617	203	150637	35618.85867303351	925717.3170250766	-0.9471202311369715	-0.001673431	35595.2156611109	4364411.594	3117.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
618	203	150638	36278.85867303351	925717.3170250766	-0.947119964655075	-0.001671092	35616.218542589	4364407.597	3126.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
619	203	150639	36938.85867303351	925717.3170250766	-0.94711973283666	-0.001668764	35637.2185015754	4364403.599	3135.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
620	203	150640	37598.85867303351	925717.3170250766	-0.94711946451458	-0.001666429	35658.2234890202	4364399.60072048	3144.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
621	203	150641	38258.85867303351	925717.3170250766	-0.947119235888705	-0.001664094	35679.2254529215	4364395.601792995	3153.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
622	203	150642	38918.85867303351	925717.3170250766	-0.947118941617855	-0.001661758	35699.227814859	4364391.6027148805	3162.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
623	203	150643	39578.85867303351	925717.3170250766	-0.9471186473525714	-0.001659428	35719.228704298	4364387.60369	3171.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
624	203	150644	40238.85867303351	925717.3170250766	-0.94711840071885	-0.001657097	35739.2317215026	4364383.6061445	3180.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
625	203	150645	40898.85867303351	925717.3170250766	-0.947118182124782	-0.001654758	35759.233439432	4364379.61086199	3189.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
626	203	150646	41558.85867303351	925717.3170250766	-0.947117917402396	-0.001652419	35779.235010873	4364375.61341161	3198.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
627	203	150647	42218.85867303351	925717.3170250766	-0.947117555455065	-0.001650085	35799.2364984534	4364371.61381221	3207.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
628	203	150648	42878.85867303351	925717.3170250766	-0.947117305888705	-0.001647701	35819.2377151074	4364367.619465467	3216.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
629	203	150649	43538.85867303351	925717.3170250766	-0.947117041766931	-0.001645318	35839.2390243987	4364363.6250084	3225.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
630	203	150650	44198.85867303351	925717.3170250766	-0.947116789958616	-0.001642933	35859.240039108	4364359.62320084	3234.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
631	203	150651	44858.85867303351	925717.3170250766	-0.947116532923556	-0.001640548	35879.2409355746	4364355.63005173	3243.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
632	203	150652	45518.85867303351	925717.3170250766	-0.94711628475682	-0.001638105	35899.2416909616	4364351.6306175	3252.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
633	203	150653	46178.85867303351	925717.3170250766	-0.94711603148641	-0.001635765	35919.2421032585	4364347.63132322	3261.73619234705	2797.53378017041	2797.53378017041	70.6134332220144	69.8243163369097
634	203	150654	46										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.ft	W.Lt.	BRFileLogsKf.m	BRFileBohringKf.m	SatHtLogsKf.m	SatHtBohringKf.m
713	203	150193	98978.85867307335	925717.1370250766	39.416760654607535	-100.4492841	375240.8693667755	4364028.618588969	2756.7014456828733	254.17773505199594	254.668812724829	2550.03459872616	49.508977913035	44.1427517923446
714	203	150194	99658.85867307335	925717.1370250766	39.4167534796654	-100.4496943	394141.85964842986	4364042.63893523	2750.779612341783	2593.041745314966	2542.56608387218	2549.8992011780056	50.42733692748074	44.14254136960562
715	203	150195	100298.85867307335	925717.1370250766	39.4167461262285	-100.4466144	376462.8498108692	4364020.658929786	2746.62723116238966	2591.80012	2540.2711724717	2548.538125588937	51.6248094428623	43.56994942889215
716	203	150196	100958.85867307335	925717.1370250766	39.41674013937422	-100.4422795	375843.8395420986	4364016.686023825	2747.3767558277266	2593.7079062770587	2547.092981256114	52.98200459674116	43.6843161895187	
717	203	150197	101618.85867307335	925717.1370250766	39.41673321742274	-100.4399646	376044.8298783437	4364017.7026919	2747.085778472981	2588.6480937423144	2535.342399178797	53.13496545042623	43.505694563517136	46.508819823805194
718	203	150198	102178.85867307335	925717.1370250766	39.416726250370175	-100.4370698	376245.8196845474	4364008.7221239479	2746.7948036528548	2589.519368290831	2533.017959	53.2593350180776	50.4140938891127	49.18081912072866
719	203	150199	102938.85867307335	925717.1370250766	39.4167192381677	-100.4352749	376464.809837248864	4364004.743810551	2746.4004043602587	2589.78956725267	2531.1285528233047	53.2439641573226	56.26812414392051	52.433246161202085
720	203	150200	103580.85867307335	925717.1370250766	39.416711902915433	-100.43294	376647.79894192907	4364000.76381416	2746.9529805113324	2586.2581213825547	2529.571509758045	53.25174854703089	56.86861159714975	54.5102668
721	203	150201	104258.85867307335	925717.1370250766	39.416705076956484	-100.430651	376848.7688332652	4363996.787152336	2746.404757018297	2585.1231722389266	2528.1925696265343	53.25829162407195	56.93665651367222	56.19389876937616
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723	203	150203	105578.85867307335	925717.1370250766	39.41669073856495	-100.4259483	377250.6834716464	4363988.831294295	2744.8507263212837	2582.24829377455	2525.5974512540053	53.25295320409849	57.24443812339576	58.89943047600364
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725	203	150205	106982.85867307335	925717.1370250766	39.41667621812327	-100.4212566	377652.745023467	4363980.87236357	2745.621544914441	2580.54806732429054	2523.77772314321	53.24797342329076	56.77034418013803	56.703275889551605
726	203	150206	107658.85867307335	925717.1370250766	39.41666890248296	-100.4198308	377853.73388076	4363976.89907044	2746.006935176224	2579.390666156736	2522.54968	53.24278041573266	56.84611843762377	56.5256509203745
727	203	150207	108218.85867307335	925717.1370250766	39.41666151727056	-100.4168499	378054.72253953524	4363972.9219748485	2744.6914631798456	2578.2426828127072	2521.5368851350214	53.241698916	56.7683978	56.5437663247715
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729	203	150209	109538.85867307335	925717.1370250766	39.41664653600699	-100.4118261	378456.6987620686	4363964.969	2738.65209089861	2575.927122353008	2519.2505543675966	53.249105973	56.67656816441149	56.8673923171811
730	203	150210	110188.85867307335	925717.1370250766	39.416639137727113	-100.4095913	378657.6882	4363960.992014985	2737.61681471978	2517.5374058794529	2517.5374058794529	53.249105973	57.127651674117	57.127651674117
731	203	150211	110858.85867307335	925717.1370250766	39.41663157	-100.4072564	378858.6764632687	4363957.01862433	2737.337504571327	2573.91160029793	2515.6791527706632	53.249105973	57.127651674117	57.127651674117
732	203	150212	111588.85867307335	925717.1370250766	39.41662375784141	-100.4049215	379059.6646319344	4363953.03638324	2734.763583783484	2571.64108837312	2513.641015194504	53.249105973	57.127651674117	57.127651674117
733	203	150213	112178.85867307335	925717.1370250766	39.41661633224745	-100.402687	379261.6502682736	4363949.064004177	2735.193283139553	2571.238502460804	2514.29292836956	53.249105973	57.127651674117	57.127651674117
734	203	150214	112838.85867307335	925717.1370250766	39.41660664535106	-100.4002518	379461.6260195393	4363945.08374965	2734.627114992126	2570.691595643158	2513.77556343158	53.249105973	57.127651674117	57.127651674117
735	203	150215	113498.85867307335	925717.1370250766	39.41659780575181	-100.3978165	379648.7688332652	4363941.12945655	2734.1431833887	2569.808392374	2513.77556343158	53.249105973	57.127651674117	57.127651674117
736	203	150216	114158.85867307335	925717.1370250766	39.416589313050159	-100.3955281	379863.616455743	4363937.137162775	2733.76785724534	2567.7031890513	2513.77556343158	53.249105973	57.127651674117	57.127651674117
737	203	150217	114818.85867307335	925717.1370250766	39.41658053684585	-100.3932472	380064.0378317716	4363933.16288602	2732.772277929431	2566.54056540276	2513.77556343158	53.249105973	57.127651674117	57.127651674117
738	203	150218	115478.85867307335	925717.1370250766	39.41657347733893	-100.3909123	380265.591257287	4363929.18752874	2732.78176586293	2564.38040683495	2513.77556343158	53.249105973	57.127651674117	57.127651674117
739	203	150219	116138.85867307335	925717.1370250766	39.41656952352946	-100.3885775	380466.578570889	4363925.21272753	2732.817914292841	2564.238781539	2513.77556343158	53.249105973	57.127651674117	57.127651674117
740	203	150220	116798.85867307335	925717.1370250766	39.41656152421798	-100.3862246	380667.5652681346	4363921.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
1	204	150221	117498.85867307335	925717.1370250766	39.41655376160191	-100.3839163	380867.5652681346	4363917.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
2	204	150222	118298.85867307335	925717.1370250766	39.41654596461908	-100.3816245	381067.5652681346	4363913.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
3	204	150223	119098.85867307335	925717.1370250766	39.416538193505159	-100.3793324	381267.5652681346	4363909.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
4	204	150224	119898.85867307335	925717.1370250766	39.41653038145585	-100.3770403	381467.5652681346	4363905.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
5	204	150225	120698.85867307335	925717.1370250766	39.41652257172056	-100.3747482	381667.5652681346	4363901.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
6	204	150226	121498.85867307335	925717.1370250766	39.41651476174089	-100.3724561	381867.5652681346	4363897.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
7	204	150227	122298.85867307335	925717.1370250766	39.41650695411411	-100.3701640	382067.5652681346	4363893.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
8	204	150228	123098.85867307335	925717.1370250766	39.41649914111411	-100.3678719	382267.5652681346	4363889.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
9	204	150229	123898.85867307335	925717.1370250766	39.41649133111411	-100.3655798	382467.5652681346	4363885.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
10	204	150230	124698.85867307335	925717.1370250766	39.41648352111411	-100.3632877	382667.5652681346	4363881.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
11	204	150231	125498.85867307335	925717.1370250766	39.41647571111411	-100.3609956	382867.5652681346	4363877.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
12	204	150232	126298.85867307335	925717.1370250766	39.41646789111411	-100.3587035	383067.5652681346	4363873.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
13	204	150233	127098.85867307335	925717.1370250766	39.41646007111411	-100.3564114	383267.5652681346	4363869.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
14	204	150234	127898.85867307335	925717.1370250766	39.41645225111411	-100.3541193	383467.5652681346	4363865.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
15	204	150235	128698.85867307335	925717.1370250766	39.41644443111411	-100.3518272	383667.5652681346	4363861.23877729	2732.85225309427	2563.90414904324	2513.77556343158	53.249105973	57.127651674117	57.127651674117
16	204	150236	129498.85867307335	925717.1370250766	39.41643661111411	-100.3495351	383867.5652681346	4363857.23877729	2732.85225309427	2563.90414904324	25			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgs.ftr	BRiElevKgs.ftr	SurfElev.ftr	SatHtBoing.ftr
99	100	150319	-306261.1413	92637.3170250766	36.14224687122885	-101.8828968	251806.4822615214	4366711.520094901	3725.7613694236675	3601.5352268910023	3470.2804548389327	3477.1422649590982	31.2544772062066	124.39296190590403
100	100	150320	-305601.1413	92637.3170250766	36.14245568767349	-101.8805621	252007.58426895466	4366707.416573704	3719.7940482156844	3599.64519023913	3467.871593416522	3471.9683095763694	31.1755968261294	127.67860667652
101	100	150321	-304841.1413	92637.3170250766	36.14266649664292	-101.878275	252208.6860689007	4366703.312454466	3713.827677008691	3597.7438073430964	3468.078043896562	3472.8489348007487	31.16528937804726	127.8449693620071
102	100	150322	-304281.1413	92637.3170250766	36.14287053272224	-101.8758928	252409.78760179415	4366705.8905537144	3707.8594057965314	3595.248925667186	3465.248925667186	3470.2473718672487	30.5800921183216	125.58640912767942
103	100	150323	-303621.1413	92637.3170250766	36.14303803956031	-101.8735581	252610.8888918041	4366695.105	3710.24108813697	3593.903918092393	3465.336813150162	3471.107337783981	30.5800921183216	125.58640912767942
104	100	150324	-302961.1413	92637.3170250766	36.1432876176744	-101.8712235	252811.08993711534	4366691.001312624	3702.600490525614	3591.965706420886	3466.603266777037	3472.8073404719858	30.5800921183216	125.58640912767942
105	100	150325	-302301.1413	92637.3170250766	36.143439042488636	-101.8688888	253013.09073733396	4366686.880916691	3701.097962819331	3590.015522738915	3468.2101706542044	3473.5622776904327	30.5800921183216	125.58640912767942
106	100	150326	-301641.1413	92637.3170250766	36.143574780711382	-101.8665541	253214.1912944622	4366682.794920352	3698.588587543021	3588.05390477386	3469.658425626647	3476.5752210214658	30.5800921183216	125.58640912767942
107	100	150327	-300981.1413	92637.3170250766	36.1436966664292	-101.864215	253415.2916090115	4366678.820269258	3696.22255197147	3587.4821952539867	3470.251334386755	3477.26616511373	30.5800921183216	125.58640912767942
108	100	150328	-300321.1413	92637.3170250766	36.14411121407559	-101.8618426	253616.361754805	4366674.589343485	3700.094101251902	3584.972402399616	3471.12889391345	3478.43098796139	30.5800921183216	125.58640912767942
109	100	150329	-299661.1413	92637.3170250766	36.14433174411291	-101.8595501	253817.49150038123	4366670.487	3697.93596788678	3582.103214687769	3471.118293156453	3478.6801260301185	30.5800921183216	125.58640912767942
110	100	150330	-299001.1413	92637.3170250766	36.14452169653664	-101.8572155	254018.59108181664	4366666.34858719	3697.73343814557	3580.09930892098	3470.423668307693	3478.87131345073	30.5800921183216	125.58640912767942
111	100	150331	-298341.1413	92637.3170250766	36.14472579797823	-101.8548808	254219.60491992824	4366662.25816024	3701.42451993014	3578.0855571003303	3469.1888889193484	3478.65219526908	30.5800921183216	125.58640912767942
112	100	150332	-297681.1413	92637.3170250766	36.14492934846567	-101.8525461	254420.7895151144	4366658.180611445	3699.8760567323337	3576.019638115594	3467.3378998851895	3478.673678593025	30.5800921183216	125.58640912767942
113	100	150333	-297021.1413	92637.3170250766	36.1451451326	-101.8502214	254620.8968738904	4366654.079991497	3698.327353346984	3574.029837623255	3465.11563402724	3468.876256760274	30.5800921183216	125.58640912767942
114	100	150334	-296361.1413	92637.3170250766	36.14533339534364	-101.8478768	254822.9869770272	4366649.977537232	3698.779040370338	3571.9873138714037	3462.679475802857	3465.805762876617	30.5800921183216	125.58640912767942
115	100	150335	-295701.1413	92637.3170250766	36.145533769413736	-101.8454521	255024.0853421597	4366645.87628786	3697.63470420134	3569.940400607307	3560.57521101679	3461.683477892574	30.5800921183216	125.58640912767942
116	100	150336	-295041.1413	92637.3170250766	36.1457395407672	-101.8432074	255225.1846918066	4366641.572633018	3697.8989713471564	3558.304979887573	3565.0293030436513	3460.5839142715808	30.5800921183216	125.58640912767942
117	100	150337	-294381.1413	92637.3170250766	36.1459403663527	-101.8408727	255426.2814520824	4366637.64200236	3704.154477147857	3565.83177490158	3565.155008194664	3469.4250555413	30.5800921183216	125.58640912767942
118	100	150338	-293721.1413	92637.3170250766	36.146146181233	-101.838538	255627.37093024083	4366633.574	3701.43415973304	3563.762065022615	3564.5777611880792	3473.1432174180793	30.5800921183216	125.58640912767942
119	100	150339	-293061.1413	92637.3170250766	36.14636237496905	-101.8362033	255828.4764970987	4366629.47330925	3707.327168202548	3561.684935735848	3563.107872830546	3473.1432174180793	30.5800921183216	125.58640912767942
120	100	150340	-292401.1413	92637.3170250766	36.1465624	-101.8338687	256028.5736500748	4366625.73115225	3703.909670740597	3559.931368231368	3561.6670781105363	3468.95748487068	30.5800921183216	125.58640912767942
121	100	150341	-291741.1413	92637.3170250766	36.146768306361	-101.831524	256230.6896146758	4366621.73036651	3697.17061772045	3558.100694315801	3560.460214151901	3473.1432174180793	30.5800921183216	125.58640912767942
122	100	150342	-291081.1413	92637.3170250766	36.1469811503812	-101.829193	256431.7623400033	4366617.137283091	3697.05329581275	3557.3677223738773	3549.046556991485	3469.15411790023	30.5800921183216	125.58640912767942
123	100	150343	-290421.1413	92637.3170250766	36.1471388402524	-101.8268646	256632.8636787059	4366613.0736363	3694.58881568842	3553.2407479373076	3547.1756665670728	3464.505883315974	30.5800921183216	125.58640912767942
124	100	150344	-289761.1413	92637.3170250766	36.1473380791567	-101.824529	256833.9687322635	4366608.94721232	3693.0517962930878	3551.1058671030444	3544.277427853626	3465.93787203697	30.5800921183216	125.58640912767942
125	100	150345	-289101.1413	92637.3170250766	36.1475358670938	-101.8221952	257035.0588273676	4366604.875093033	3691.4687273181365	3548.786293470688	3548.786293470688	3465.93787203697	30.5800921183216	125.58640912767942
126	100	150346	-288441.1413	92637.3170250766	36.14773320406304	-101.8198605	257236.151413335	4366600.77698962	3689.9978257341196	3546.829386983964	3545.140906362917	3444.918902591405	30.5800921183216	125.58640912767942
127	100	150347	-287781.1413	92637.3170250766	36.14793030909042	-101.8175258	257437.2470153335	4366598.77038969	3687.17061772045	3544.98262548756	3543.4647294122852	3442.95748487068	30.5800921183216	125.58640912767942
128	100	150348	-287121.1413	92637.3170250766	36.14812526096	-101.8151111	257632.42456474	4366594.57870849	3685.04517379122	3542.97503739122	3542.97503739122	3442.95748487068	30.5800921183216	125.58640912767942
129	100	150349	-286461.1413	92637.3170250766	36.14832250916035	-101.8128564	257839.432424226	4366584.840330925	3678.9203734894964	3540.471597263493	3541.9884463337373	3441.9734663073375	30.5800921183216	125.58640912767942
130	100	150350	-285801.1413	92637.3170250766	36.1485180425485	-101.8105217	258040.531999568	4366584.38215805	3674.785338472048	3538.90077210948	3541.4927789050283	3409.9782930501973	30.5800921183216	125.58640912767942
131	100	150351	-285141.1413	92637.3170250766	36.1487131243795	-101.808187	258241.62651574836	4366580.28419028	3673.315476382541	3536.341901928073	3541.778137354541	3402.76316823012	30.5800921183216	125.58640912767942
132	100	150352	-284481.1413	92637.3170250766	36.148907755344	-101.8058523	258442.702928744	4366576.184276516	3674.48166538754	3534.2448280707395	3541.1489923258542	3395.4871780784218	30.5800921183216	125.58640912767942
133	100	150353	-283821.1413	92637.3170250766	36.14910913957189	-101.8035176	258643.6148314927	4366572.08889699	3673.67457828956	3532.17726624236	3540.7489678	3398.4384398336825	30.5800921183216	125.58640912767942
134	100	150354	-283161.1413	92637.3170250766	36.1493169306042	-101.8012328	258844.9085146758	4366567.99117209	3671.813469198678	3530.4100694315801	3540.460214151901	3395.4871780784218	30.5800921183216	125.58640912767942
135	100	150355	-282501.1413	92637.3170250766	36.1495284489431751	-101.7988482	259046.0021931201	4366563.948693577	3670.61524659385	3528.043268389909	3540.168843944189	3394.73677017547	30.5800921183216	125.58640912767942
136	100	150356	-281841.1413	92637.3170250766	36.1496817704464	-101.7965135	259247.05951665376	4366559.79426969	3661.05290350608	3525.976543102717	3536.2323726166746	3394.6963909605	30.5800921183216	125.58640912767942
137	100	150357	-281181.1413	92637.3170250766	36.14987416745884	-101.7941788	259448.1886022773	4366555.70089372	3663.490567156557	3523.90885215344	3532.5606218495123	3381.08058211233	30.5800921183216	125.58640912767942
138	100	150358	-280521.1413	92637.3170250766	36.1500660720727	-101.7918441	259649.28145019407	4366551.04156778	3660.829225730363	3521.8433812179014	3538.600155508346	3395.341153204085	30.5800921183216	125.58640912767942
139	100	150359	-279861.1413	92637.3170250766	36.1502657544221	-101.7895904	259850.374	4366547.50792186	3660.44077250847	3519.76477250847	3538.600155508346	3395.341153204085	30.5800921183216	125.58640912767942
140	100	150360	-279201.1413	92637.3170250766	36.15046485698098	-101.7871477	260051.46643372925	4366543.41170587	3659.3303880546	3517.7129510563	3538.600155508346	3395.341153204085	30.5800921183216	125.58640912767942
141	100	150361	-278541.1413	92637.3170250766	36.15066485698098	-101.784807	260252.56744010231	4366539.41170587	3657.58592638824	3515.76477250847	3538.600155508346	3395.341153204085	30.5800921183216	125.58640912767942
142	100	150362	-277881.1413	92637.3170250766	36.150862936515	-101.7825053	260453.6054680907	4366535.22076331	3656.20348916004	3513.96008844937	3537.			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevLogs.fg	SatThkLog.fg	SatThkBoth.fg
225	20445	-22301.1413	92637.3170250766	39.41650372145205	-101.5887202	277143.4728	4366195.989755594	3545.1033337845	3392.8376325516033	3298.46122233123234	3297.31620984621	34.7841022027992	95.5214256698244	
226	20446	-22241.1413	92637.3170250766	39.41651894529548	-101.5863584	277344.545655345	4366191.311234991	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
227	20447	-22181.1413	92637.3170250766	39.41653412403977	-101.5840564	277545.618888817	4366187.141322211	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
228	20448	-22121.1413	92637.3170250766	39.4165495768118	-101.5817158	277746.69037722344	4366173.754086314	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
229	20449	-22061.1413	92637.3170250766	39.416564346224774	-101.579381	277947.7624545197	4366179.69962655	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
230	20450	-21980.1413	92637.3170250766	39.4165793966474	-101.5770461	278148.834311349	4366175.59912607	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
231	20451	-21914.1413	92637.3170250766	39.4165943880985	-101.5747113	278349.905951056	4366171.44297112	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
232	20452	-21841.1413	92637.3170250766	39.41660931251597	-101.5723765	278549.737746957	4366167.16666113	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
233	20453	-21761.1413	92637.3170250766	39.4166243983978	-101.5700417	278750.048578111	4366163.36731221	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
234	20454	-21716.1413	92637.3170250766	39.41663912435234	-101.5677609	278953.115663585	4366159.29042231	3545.1033337845	3393.27334534919	3391.7049637317116	3297.31620984621	34.7841022027992	95.5214256698244	
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239	20459	-21386.1413	92637.3170250766	39.41671251136295	-101.5560328	279958.47122845458	4366138.988397398	3543.0881057336054	3327.362941338195	3328.6666605133765	3328.9962752848167	34.15984015726964	136.6337031731265	
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269	20489	-19406.1413	92637.3170250766	39.41713090545905	-101.4859879	285990.484380021	4366016.728	3463.94547622644	3322.901576600373	3321.2949038604118	3320.68326237033	34.2327119451809	136.6337031731265	
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgsrg.	BRElevBothKrg.	SatHtKgsrg.	SatHtBoth.	
351	204	150571	-139941.1413	92637.31720250766	39.4180667531431	-101.2945281	020476.9787968171	4356583.702699397	3357.764093499143	3211.8433564877642	3095.129970584147	3010.143661452795	116.17338992034954	121.7389903348471
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356	204	150576	-136641.1413	92637.31720250766	39.41811400760647	-101.2828535	030482.20840375125	4356638.408323522	3350.73769801741	3205.510847926505	3089.466978021914	3072.4889028176033	116.04415012445907	123.0208672904719
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365	204	150585	-130701.1413	92637.31720250766	39.4181962346975	-101.2618394	05050.691	4356361.032	3314.6388012512934	3193.901220103905	3080.178650474132	3073.729592	113.222659442287	117.7721278486038
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371	204	150591	-126741.1413	92637.31720250766	39.41824782904395335	-101.2478299	060487.874232028	4356062.684949035	3292.009632124993	3184.744906478236	3076.6483978720516	3075.069816051197	109.09692771577192	109.09692771577192
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375	204	150595	-124101.1413	92637.31720250766	39.41828328961451	-101.2384902	070302.044894346	4355886.491102084	3274.960751185423	3178.4628194617385	3071.7757474386445	3070.819799	106.68704052309402	107.643023021866
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381	204	150601	-120141.1413	92637.31720250766	39.41833336	-101.2244807	080508.2947917601	4355562.206430224	3258.897161	3168.335825020414	3063.375489339637	3062.52239603134	107.9147846507716	105.64023771814754
382	204	150602	-119481.1413	92637.31720250766	39.4183415525454	-101.2221458	080709.373866245	4355526.15966422	3252.343597095087	3166.335305	3063.421886644254	3062.87780423912	102.78410671607473	103.457010671607473
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384	204	150604	-118161.1413	92637.31720250766	39.41835779279071	-101.2174759	080911.4172056125	4355540.06837256	3244.841006834256	3162.854304343965	3064.656279323854	3064.504253941667	97.9272605158014	97.9272605158014
385	204	150605	-117501.1413	92637.31720250766	39.41836584540333	-101.215141	080912.456730737	4355540.06837256	3244.841006834256	3162.854304343965	3064.656279323854	3064.504253941667	97.9272605158014	97.9272605158014
386	204	150606	-116841.1413	92637.31720250766	39.41837385911275	-101.212815	080913.497879639	435541.95	3238.201723629638	3160.700561367824	3064.723546246555	3064.695635367824	97.9272605158014	97.9272605158014
387	204	150607	-116181.1413	92637.31720250766	39.4183818153171	-101.210471	080914.5373988654	4355397.92072241	3236.65037993676	3156.71284812431	3066.581966713522	3067.2994208518765	90.413077968919	90.413077968919
388	204	150608	-115521.1413	92637.31720250766	39.41839973261905	-101.2081362	080915.5778078157	4355533.88536788	3234.36249039269	3154.695830307643	3067.0239832798415	3068.12292773307	87.07184703	86.57290257433624
389	204	150609	-114861.1413	92637.31720250766	39.41839760481689	-101.2058013	080916.617429527	4355393.8244433	3232.08119068212	3152.6509137552353	3067.8805340854756	3068.2561755616779	84.39475738546522	84.39475738546522
390	204	150610	-114201.1413	92637.31720250766	39.418405451391095	-101.2034664	080917.656914275	4355625.793	3229.794109383264	3150.585109383264	3066.4527363292264	3066.7207840245367	84.12813461	83.85972254
391	204	150611	-113541.1413	92637.31720250766	39.41841321390129	-101.201314	080918.6963405475	4355625.793	3229.794109383264	3150.585109383264	3066.4527363292264	3066.7207840245367	84.12813461	83.85972254
392	204	150612	-112881.1413	92637.31720250766	39.4184206507788	-101.198765	080919.7363516253	4355625.793	3229.794109383264	3150.585109383264	3066.4527363292264	3066.7207840245367	84.12813461	83.85972254
393	204	150613	-112221.1413	92637.31720250766	39.4184286924927	-101.196767	080920.7813317047	4355625.793	3229.794109383264	3150.585109383264	3066.4527363292264	3066.7207840245367	84.12813461	83.85972254
394	204	150614	-111561.1413	92637.31720250766	39.41843628924927	-101.194727	080921.71121813317047	4355625.793	3229.794109383264	3150.585109383264	3066.4527363292264	3066.7207840245367	84.12813461	83.85972254
395	204	150615</												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatfKhts.f	SatfKhtBot.f
47	104	150697	-56781.14133	92637.3170250766	-94.81891373051919	-101.0003262	327807.40523013973	43561.7445125081	3107.623927985502	299.214202539947	2919.6690974822536	2918.6835760639497	75.53026546599749	75.53026546599749
478	204	150698	-56121.14133	92637.3170250766	-94.818917588435875	-100.9587913	328008.4291726774	43561.7017585578	3103.14623375911	2992.3037649844384	2918.074726242384	2917.127104004348	75.5306806015496	75.5306806015496
479	204	150699	-55561.14133	92637.3170250766	-94.81892143134785	-100.9685683	328229.452947575	43561.6859078816	3100.173310797538	2991.56249849387	2916.542523824162	2916.724985489896	75.53082168339705	75.53082168339705
480	204	150700	-54801.14133	92637.3170250766	-94.81892516895506	-100.9933214	328014.47655042838	43561.6253040828	3098.705160251708	2990.283051595623	2915.054212566989	2915.07491336428	75.2288029036729	75.20814073039821
481	204	150701	-54141.14133	92637.3170250766	-94.81892881557556	-100.9908964	328611.49999528343	43561.58132761764	3097.7687097056328	2988.674784444607	2913.576388388001	2913.699540619578	75.3983960566009	75.25724382602907
482	204	150702	-53481.14133	92637.3170250766	-94.81893256905528	-100.9886514	328612.5236449994	43561.54110807191	3095.7688599	2987.6673230359715	2912.505082759634	2912.45434739633	75.16126476000818	75.21382829733875
483	204	150703	-52821.14133	92637.3170250766	-94.818936201448254	-100.9863165	329013.564748999	43561.5048544417	3094.2550313399424	2986.3564141862184	2910.726720300496	2910.726720300496	75.62989715616898	75.122429878
484	204	150704	-52161.14133	92637.3170250766	-94.818937860134629	-100.9836818	329214.5693146887	43561.4243838922	3092.65524642494	2985.040739	2909.289267311583	2909.8159315526195	75.174826338175	75.24428017462355
485	204	150705	-51501.14133	92637.3170250766	-94.81894143134785	-100.9816466	329415.452947575	43561.4243838922	3091.136021563518	2984.56487701312	2907.7885526978842	2908.29626978842	75.53082168339705	75.42514140126896
486	204	150706	-50841.14133	92637.3170250766	-94.81894627958596	-100.9793116	329616.5146985251	43561.3840689503	3089.57651060456	2982.344869307507	2906.240320625475	2906.69797348813	75.154540005717	75.6989717586936
487	204	150707	-50181.14133	92637.3170250766	-94.81895027972485	-100.9769766	329817.6371364376	43561.3431363672	3088.971768982246	2981.064605	2904.621359429694	2904.8825152745038	75.62082500177821	75.62082500177821
488	204	150708	-49521.14133	92637.3170250766	-94.8189536868157	-100.9746417	330018.6594118322	43561.3035260356	3088.398063669425	2979.7294548619725	2902.8799654492637	2903.34967578292	76.84948941504581	76.3898972868253
489	204	150709	-48861.14133	92637.3170250766	-94.818957048605876	-100.9723067	330018.6594118322	43561.2631246678	3088.398063669425	2979.7294548619725	2902.8799654492637	2903.34967578292	76.84948941504581	76.3898972868253
490	204	150710	-48201.14133	92637.3170250766	-94.81896036526537	-100.9699718	330420.7304660729	43561.2236045098	3087.140452489887	2977.044652489887	2909.214759539834	2909.4651134131623	77.5795183826407	77.5795183826407
491	204	150711	-47541.14133	92637.3170250766	-94.81896336820074	-100.9676368	330821.7252545291	43561.1827657057	3087.140452489887	2977.044652489887	2909.214759539834	2909.4651134131623	77.5795183826407	77.5795183826407
492	204	150712	-46881.14133	92637.3170250766	-94.818966326994	-100.9653108	330822.746859163	43561.1425723878	3084.73885511309	2974.341331	2906.2069054284	2906.429798684024	77.131404065450533	77.131404065450533
493	204	150713	-46221.14133	92637.3170250766	-94.81897004	-100.9629689	331023.7889391385	43561.1023093642	3083.31718793601	2972.8496383202426	2905.0429601301626	2905.38283984394	77.04153319	77.59067392
494	204	150714	-45561.14133	92637.3170250766	-94.8189731805523	-100.9606319	331224.78699410405	43561.0620999122	3080.52390278977	2970.428654711684	2904.324233640414	2904.62352556395	77.30013327712693	76.97963178417327
495	204	150715	-44901.14133	92637.3170250766	-94.81897627199063	-100.958297	331425.801747143	43561.021830068	3079.028010510696	2970.262587	2903.817703	2904.1254305546663	76.448832431007	76.17329054993491
496	204	150716	-44241.14133	92637.3170250766	-94.818979318021165	-100.955962	331626.8316711764	43560.9816220798	3078.43707211314	2968.8977779796603	2903.60825009672	2903.60825009672	75.2888727769308	74.9360537405882
497	204	150717	-43581.14133	92637.3170250766	-94.81898321894688	-100.953627	331827.8526369767	43560.9413761265	3111.759363735536	2967.530325198883	2903.683572541374	2903.6742218657	76.8484265720909	73.65601571929527
498	204	150718	-42921.14133	92637.3170250766	-94.81898624767735	-100.9512921	332027.8730592485	43560.9011456307	3115.67508034734	2966.159530115188	2904.33864779035	2904.5377888071508	75.8208653314751	75.6114150803258
499	204	150719	-42261.14133	92637.3170250766	-94.8189892438533	-100.949628	332229.935573304	43560.8619584521	3118.575298319736	2965.49476270132	2903.89796393387	2903.89796393387	75.8208653314751	75.8208653314751
500	204	150720	-41601.14133	92637.3170250766	-94.81899105104584	-100.946221	332430.913595578	43560.8209112096	3114.27689573781	2963.40114247079	2907.086356329788	2907.086356329788	76.6153761410036	76.6153761410036
501	204	150721	-40941.14133	92637.3170250766	-94.818993871601145	-100.9442872	332631.933984586	43560.7804649085	3112.039531746024	2962.027658000763	2906.72543338883	2906.72543338883	76.8484265720909	76.8484265720909
502	204	150722	-40281.14133	92637.3170250766	-94.81899664700393	-100.9419522	332832.9540742722	43560.7404077884	3109.821706962668	2960.642882	2899.383274665474	2899.61410747764	76.129506501925614	76.129506501925614
503	204	150723	-39621.14133	92637.3170250766	-94.81899937730041	-100.9396172	333033.973874887	43560.701865017	3108.216744662497	2959.25197850345	2898.2907675332444	2898.6041096241774	76.028643031710037	76.028643031710037
504	204	150724	-38961.14133	92637.3170250766	-94.81900266249207	-100.9372823	333234.99353811925	43560.65978854302	3111.495653767126	2957.885888832736	2898.35606597788	2898.507673154099	76.53026546599749	76.53026546599749
505	204	150725	-38301.14133	92637.3170250766	-94.819004702578748	-100.9348473	333435.9130264993	43560.619584521	3113.575298319736	2956.49476270132	2903.89796393387	2903.89796393387	75.8208653314751	75.8208653314751
506	204	150726	-37641.14133	92637.3170250766	-94.81900729756925	-100.9326124	333637.03527665	43560.5743843295	3115.25197715887	2955.01977454712912	2902.190617902544	2902.190617902544	76.8484265720909	76.8484265720909
507	204	150727	-36981.14133	92637.3170250766	-94.81900984743752	-100.9302774	333838.0515711522	43560.5310340983	3115.675298319736	2953.640617190144	2903.3623713670438	2903.3623713670438	77.02734582	77.02734582
508	204	150728	-36321.14133	92637.3170250766	-94.8190123220954	-100.9279424	334039.0751985397	43560.489383278	3115.55526246677	2952.242173230044	2902.783155490095	2902.783155490095	77.11845170923	77.11845170923
509	204	150729	-35661.14133	92637.3170250766	-94.8190148176664	-100.9256075	334240.0836107706	43560.4587232703	3115.131880258454	2950.800053740583	2902.5602781865005	2902.5602781865005	75.23977555	75.23977555
510	204	150730	-35001.14133	92637.3170250766	-94.81901722643887	-100.9232725	334441.1084102715	43560.4150285078	3114.7085128050876	2949.750450911918	2901.835673084636	2901.835673084636	76.8484265720909	76.8484265720909
511	204	150731	-34341.14133	92637.3170250766	-94.81901959589615	-100.9205873	334642.125599505	43560.3731438824	3112.25342750779	2947.334000996072	2900.84344627095	2900.84344627095	75.9985472597714	75.9985472597714
512	204	150732	-33681.14133	92637.3170250766	-94.8190219204853	-100.918026	334843.1445479241	43560.3310145414	3108.0695	2946.49013989769	2900.190617902544	2900.190617902544	76.8484265720909	76.8484265720909
513	204	150733	-33021.14133	92637.3170250766	-94.8190241949698	-100.9162876	335039.790853281	43560.29179853281	3107.7798344941	2945.03786733447	2900.481975	2900.481975	76.8484265720909	76.8484265720909
514	204	150734	-32361.14133	92637.3170250766	-94.8190264333847	-100.9139326	335245.18115219014	43560.2505771	3099.43081931217	2943.56775244338	2900.481975	2900.481975	76.8484265720909	76.8484265720909
515	204	150735	-31701.14133	92637.3170250766	-94.81902862267605	-100.9115977	335446.199028849	43560.215707001	3095.46018184731	2942.106264327357	2900.481975	2900.481975	76.8484265720909	76.8484265720909
516	204	150736	-31041.14133	92637.3170250766	-94.81903076660805	-100.9092627	335647.21674546757	43560.1731490441	3091.861265441915	2940.626534404324	2900.481975	2900.481975	76.8484265720909	76.8484265720909
517	204	150737	-30381.14133	92637.3170250766	-94.819032856436385	-100.9069277	335848.2336224904	43560.1317106923	3087.90458493516	2939.137040749861	2900.481975	2900.481975	76.8484265720909	76.8484265720909
518	204	150738	-29721.14133	92637.3170250766	-94.81903491591973	-100.9045828	336045.2516995896	43560.092925437	3084.1234362311182	2937.63802523845	2900.481975	2900.481975	76.8484265720909	76.8484265720909
519	204	150739	-29061.14133	92637.3170250766	-94.8190370277681	-100.9022818	336246.2691542494	43560.051655	3080.29179853281	2936.49013989769	2900.481975	2900.481975	76.8484265720909	76.8484265720909
520	204	150740	-28401.14133	92637.3170250766	-94.81903891298912	-100.8999228	336463.2860156244	43560.010565	3077.77586645576	2935.614233044028	2900.481975	2900.481975	76.8484265720909	76.8484265720909
521	204	150741	-27741.14133	92637.3170250766	-94.8190408069764	-100.8975879	336682.302351117	4355.97499737	3076.05861545767	2933.				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBothKrg.ft
603	204	150823	26378.8586730335	92637.3170250766	39.1904462678384	-100.7061205	3531.35,189861385	4364668.800021425	290.514665807929	273.490882545202	273.468246918914	271.4523786161534	49.50283652628834	73.51850438366819
604	204	150824	27038.8586730335	92637.3170250766	39.19042801475534	-100.703785	353336.17,13981184	4364668.798182777	276.1900248340712	273.0954352958193	273.4190066283716	274.2893910203868	48.67505448081269	73.51850438366819
605	204	150825	27398.8586730335	92637.3170250766	39.19049819168224	-100.6874407	353837.17,89307195	4364668.793	287.7013897148634	273.6170661171593	273.643448614367	49.547137	51.83381180049	73.51850438366819
606	204	150826	28026.8586730335	92637.3170250766	39.1903902	-100.691156	353738.18,18464558	4364666.795	2976.29476913356	273.6147944924306	2728.6115567431494	273.620338458678	49.7269180191321	61.25514503308262
607	204	150827	29018.8586730335	92637.3170250766	39.19037054820786	-100.6967806	353939.18,8584847656	4364662.793874496	2975.993695140567	277.457840528525	2727.16743167599933	270.780120370454	50.293468868317	69.6568132174975
608	204	150828	29678.8586730335	92637.3170250766	39.19035049192615	-100.6944456	354140.18,972933476	4364648.792840032	2976.7990065814064	275.5763210070854	2727.7403452035487	2702.042617785276	50.293468868317	72.6337023180081
609	204	150829	30338.8586730335	92637.3170250766	39.1903298359505	-100.6921107	354341.19,9345244015	4364644.792008617	2977.60409976994	273.69438321249	2722.6380256132429	2706.04105550237	50.293468868317	67.53279011236
610	204	150830	30998.8586730335	92637.3170250766	39.1903092421444	-100.6897757	354542.197	4364640.791377543	2978.4590023952404	277.812333773382	2720.9556491365333	2706.7057246384343	50.856838070686	65.10680838979035
611	204	150831	31658.8586730335	92637.3170250766	39.19028671578435	-100.6874407	354743.20,04971715	4364638.79047701	2979.665386954047	278.8133031683437	2718.510086900046	2705.371189644545	50.4217171083607	67.53279011236
612	204	150832	32318.8586730335	92637.3170250766	39.1902657107345	-100.6851058	354944.20,9052939	4364632.797191081	2980.734293341936	278.016189251312	2717.88567303556	2704.286319172724	50.162246091671	63.765573340181
613	204	150833	32978.8586730335	92637.3170250766	39.1902434	-100.6827708	355145.20,69734377	4364628.790691677	2983.078246833714	276.61751020388	2715.7035252455917	2705.548209402742	49.6977662794185	63.765573340181
614	204	150834	33638.8586730335	92637.3170250766	39.19022067619785	-100.6804358	355346.21,00016526	4364624.79065478	2980.7142003250682	2764.299587493572	2712.534934696184	2699.978456457231	51.7646527933886	64.320741847906
615	204	150835	34298.8586730335	92637.3170250766	39.1901974615705	-100.6781099	355547.21,28901453	4364620.79065478	2984.05662505962	2762.42266520236	2708.29181807294	2697.392012142384	51.7646527933886	65.030203899765
616	204	150836	34958.8586730335	92637.3170250766	39.1901738	-100.6757659	355748.21,263912206	4364616.79181666	2987.3746224214	2764.575303959064	2703.3912147491656	2695.64003403276	51.7646527933886	66.02271296337
617	204	150837	35618.8586730335	92637.3170250766	39.190157971681	-100.6734309	355949.21,22857842	4364612.79294031	2988.6265665638	2758.66113813737	2698.405117537024	2695.63825853762	50.295026427634424	67.53279011236
618	204	150838	36278.8586730335	92637.3170250766	39.19014011251	-100.671096	356150.22,0713403	4364608.79372666	2995.511505104633	2756.73213547233	2693.534664755246	2694.37115112052	62.4045079198684	67.53279011236
619	204	150839	36938.8586730335	92637.3170250766	39.1901009256894	-100.668761	356351.22,05009957	4364604.79475265	2995.01699943027	2754.887142837483	2688.6163153085217	2691.29731860596	62.4045079198684	67.53279011236
620	204	150840	37598.8586730335	92637.3170250766	39.19007462269005	-100.666426	356552.22,05243395	4364600.796	2993.31909181675	2752.962423	2687.986672726316	2687.198567506297	60.905702722652	65.98262445738
621	204	150841	38258.8586730335	92637.3170250766	39.1900480177739	-100.6640911	356753.22,07298149	4364596.79771514	2995.57026202028	2751.094484840433	2679.582883422496	2687.998888503374	51.76151605	68.094599300795
622	204	150842	38918.8586730335	92637.3170250766	39.1900223298029	-100.6617561	356954.22,02914576	4364592.799498246	2991.838051	2749.194285250173	2675.60543628903	2682.991903733243	73.58874195816928	71.000377844796
623	204	150843	39578.8586730335	92637.3170250766	39.1899950678229	-100.6594211	357155.23,09296605	4364590.801482504	2994.491480154954	2747.283316331523	2672.333613469737	2673.122778991161	74.9585071651447	74.1694043891159
624	204	150844	40238.8586730335	92637.3170250766	39.1899723271414	-100.6570682	357356.23,02297618	4364584.804	2995.493098297434	2745.38403	2669.99301306654	2673.205740374469	75.754974853556	72.176895394103
625	204	150845	40898.8586730335	92637.3170250766	39.1899496489548	-100.6547152	357547.23,04547143	4364580.80605365	2996.531369719447	2743.61169984982	2668.6292244232	2672.902720776	72.6337023180081	74.1694043891159
626	204	150846	41558.8586730335	92637.3170250766	39.18992123143046	-100.6524163	357758.23,05005696	4364576.808419515	2993.62596	2741.5339005020565	2667.590024672847	2684.69038021455	73.63733277414	56.837620530799
627	204	150847	42218.8586730335	92637.3170250766	39.1898937421545	-100.6500813	357959.23,67283862	4364571.81430675	2993.6133964939	2739.57894237999	2667.27845947092972	2703.341577029272	60.1157367765415	56.837620530799
628	204	150848	42878.8586730335	92637.3170250766	39.18986546295195	-100.6477463	358160.23,781915876	4364568.81420038	2993.9438073948425	2737.596757372954	2667.401737	2679.36406735197	70.1896203701539	58.221506377506
629	204	150849	43538.8586730335	92637.3170250766	39.189832966399	-100.6454114	358361.23,783730807	4364564.816711222	2994.47309579049	2735.579222352976	2667.4596609877767	2681.776204985349	68.11966137	53.8518736794871
630	204	150850	44198.8586730335	92637.3170250766	39.1897951162642	-100.6430764	358562.23,69607254	4364560.821001133	2993.02098079048	2733.526355765306	2667.2641678851296	2681.799418447379	68.11966137	53.8518736794871
631	204	150851	44858.8586730335	92637.3170250766	39.1897686489548	-100.6407194	358763.23,69071127	4364556.8246908	2994.0269682754	2731.43169984982	2666.8292244232	2672.902720776	63.9824654626046	53.8518736794871
632	204	150852	45518.8586730335	92637.3170250766	39.189739023971	-100.6384065	358964.23,70117519	4364552.828	2993.6207133570654	2729.334133578438	2666.44335342148	2673.935968257436	63.0507979	53.8518736794871
633	204	150853	46178.8586730335	92637.3170250766	39.1897102468913	-100.6360715	359165.23,14292046	4364548.83291338	2996.271431600418	2727.211398653096	2665.501359101139	2670.78076417077	57.03083848656018	53.8518736794871
634	204	150854	46838.8586730335	92637.3170250766	39.189670684338	-100.6337366	359366.23,41597046	4364544.836379022	2997.3727936103245	2725.0773380130245	2664.57644565844	2669.345205278494	60.0089244718038	57.03083848656018
635	204	150855	47498.8586730335	92637.3170250766	39.1896384487433	-100.6314016	359567.23,74137187	4364540.84097293	2997.3887580245627	2722.388946754246	2663.579686250551	2672.107467517546	59.3926072487382	50.8310100968308
636	204	150856	48158.8586730335	92637.3170250766	39.189605762036	-100.6290666	359768.23,741359074	4364536.84573944	2995.502304437554	2720.799354787543	2662.6087281042956	2677.221111115031	58.1900938	43.5782623751229
637	204	150857	48818.8586730335	92637.3170250766	39.189572624389	-100.6267317	359969.23,7416024005	4364532.850373502	2996.1726506635024	2718.661494582404	2661.799418447379	2677.112712648199	58.6620772050645	41.54875386763378
638	204	150858	49478.8586730335	92637.3170250766	39.1895393536382	-100.6243697	360170.23,741333996	4364528.8573304	2996.45269682754	2716.52829277835	2661.16098299254	2672.902720776	42.634105215012	41.54875386763378
639	204	150859	50138.8586730335	92637.3170250766	39.1895054958431	-100.6220167	360371.23,4003961476	4364524.86057482	2997.52296162826	2714.396774983804	2659.81784904181	2671.62364819007	44.582325748067	41.54875386763378
640	204	150860	50798.8586730335	92637.3170250766	39.1894705000066	-100.6197268	360572.23,040927311	4364520.86597578	2997.4865207304713	2712.26651492554	2656.616898032466	2662.250523435636	54.6962512203136	41.54875386763378
641	204	150861	51458.8586730335	92637.3170250766	39.18943565311014	-100.6173918	360773.23,0724592	4364516.8759781	2998.025241524117	2710.14032936377	2653.5334797613905	2656.78197125491	55.64882947486416	53.4213778145894
642	204	150862	52118.8586730335	92637.3170250766	39.1894001701718	-100.6150569	360974.23,0814000	4364512.877387695	2998.572132846738	2708.01576283918	2650.666020781166	2652.963448462224	57.34916076045147	55.0522781966465
643	204	150863	52778.8586730335	92637.3170250766	39.1893643261858	-100.6127219	361175.23,797373585	4364508.83081338	2998.32474743090113	2705.854948748906	2654.90713333859	2654.90713333859	58.6620772050645	53.4213778145894
644	204	150864	53438.8586730335	92637.3170250766	39.1893280311522	-100.6103879	361376.23,69695704	4364504.80994158	2998.076924660724	2707.71306222824	2654.320470135593	2654.320470135593	58.6620772050645	53.4213778145894
645	204	150865	54098.8586730335	92637.3170250766	39.18929478079	-100.6081617	361577.23,741333996	4364500.86597578	2998.572132846738	2705.854948748906	2654.90713333859	2654.90713333859	58.6620772050645	53.4213778145894
646	204	150866	54758.8586730335	92637.3170250766	39.1892540598431	-100.6059137	361778.23,741333996	4364496.80994158	2998.572132846738	2705.85				

ix	iy	x	Xrft	Yrft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WtLts	BRrElevKgr.f	BRrElevKgr.f	SatHkLog.f	SatHkBoth.f
729	204	150949	103958.8567307335	92637.3170250766	-0.141911965	178460.67860171554	4364166.1508871706	2740.6466055895999	25.75.8077019626485	2519.8466435903374	2519.73960846624086	56.0105837231107	56.07163305203984	
730	204	150950	110198.85687307325	92637.3170250766	-0.14099818	178661.66679062304	4364162.174034956	2737.7420444308116	25.72.64585438753006	2518.0232258	2518.1184888490434	56.1358576926438	56.52735499040314	
731	204	150951	110868.85687307325	92637.3170250766	-0.1418443572791555	178662.654836975	4364163.433811817	2738.5224240083054	25.73.6818627271001	2518.06863190584	2518.1331138189718	56.3801133189718	56.7324734841159	
732	204	150952	111118.85687307325	92637.3170250766	-0.14184367759353	178663.6210450218	4364154.222	2736.899142213616	25.72.3100985502506	2514.0117038034655	2514.01118454662	56.2928072034928	58.2980735035934	
733	204	150953	112178.85687307325	92637.3170250766	-0.14182913380407	178664.6306622623	4364150.2559611	2737.4504544464444	25.71.1379977031715	2511.8032449454095	2511.7738188878675	59.3347527762909	59.3641788103046	
734	204	150954	112838.85687307325	92637.3170250766	-0.14002419	179465.6183095555	4364146.2698443	2737.92166087567	25.69.460987403596	2509.62405350268	2509.624452834176	60.3445283414994	60.4082824141494	
735	204	150955	113458.85687307325	92637.3170250766	-0.13978909	179666.6000400393	4364142.29433074	2737.75915143378	25.68.7930913912005	2507.398109543817	2507.111697180126	61.085946743829	61.681097318787	
736	204	150956	114158.85687307325	92637.3170250766	-0.1400593181301	179667.5934966443	4364138.11867425	2736.96744082614	25.64.26408824614	2504.964017418552	2504.114668271102	62.6603912056085	63.2059403305734	
737	204	150957	114818.85687307325	92637.3170250766	-0.13983917676049	179668.5866789175	4364134.53811817	2736.178565311989	25.64.46211968417	2503.359591041975	2503.359591041975	62.74546948018	63.1102780985555	
738	204	150958	114818.85687307325	92637.3170250766	-0.1389023800205	179669.569145487	4364130.36895823	2735.38211773762	25.65.303545804818	2503.27274089484	2501.542950552496	62.9301402234856	63.7609892	
739	204	150959	116138.85687307325	92637.3170250766	-0.13885672	180240.5552889163	4364126.30411249	2733.712221	25.60.1273859523	2501.4776906283	2501.32806991294	62.6736276866006	65.4127371903973	
740	204	150960	116798.85687307325	92637.3170250766	-0.138173463472504	180623.386715423	4364122.42	2731.15738304784	25.63.00213223081	2502.751473336174	2499.262733409463	60.24916948963361	63.7395988213447	
1	205	150961	370941.1431	92703.3170250766	-0.137697582523	1921.111719	2321.01343397877	3947.96454194626	37.31.46354194626	3653.404725	3653.4194902260	70.088918746501	73.3715016650431	
2	205	150962	370281.1431	92703.3170250766	-0.13795064355534	1922.103944	2230.5211185347	3947.31136858045	37.31.151928291696	3647.0481646506178	3648.204968175465	83.731706147833	81.9466011623955	
3	205	150963	369621.1431	92703.3170250766	-0.138203625922	1921.107989	2230.563477170074	3947.6307182123426	37.30.832687183018	3648.1036700756367	3648.20100945480	80.73287170384174	80.63519624	
4	205	150964	368961.1431	92703.3170250766	-0.13845601132026	1922.104715	2237.70440891195	3947.303367987878	37.27.51680128182	3647.110270970662	3650.269833063653	76.4117035915629	77.2280470025977	
5	205	150965	368301.1431	92703.3170250766	-0.1387079189046	1922.1023807	2239.9054017549	3947.6299536879457	37.26.1939884111113	3650.579620168479	3649.1118677533254	76.0821786246329	77.08213068178587	
6	205	150966	367641.1431	92703.3170250766	-0.13895937549024	1922.1000461	2231.0710250304145	3947.59439966248	37.24.767988949646	3651.0116967347963	3648.405503314565	75.8562712646808	76.4624655454017	
7	205	150967	366981.1431	92703.3170250766	-0.1392103811657	1922.0977116	2233.0815454277	3947.62131269154	37.23.5390753654965	3648.168436332302	3647.490778471424	74.73063903	76.0462862137038	
8	205	150968	366321.1431	92703.3170250766	-0.1395377	1923.05971723074	2235.0271723074	3947.58291708713	37.22.2071308328417	3647.729836508374	3646.205687744804	74.4772942	76.00126189	
9	205	150969	365661.1431	92703.3170250766	-0.13979110397117	1923.0930424	2237.0140780241	3947.6247861493298	37.20.4786142938	3646.2958148164416	3645.766637392496	75.7666371297162	75.7666371297162	
10	205	150970	365001.1431	92703.3170250766	-0.139960625902	1923.090778	2239.31526487448	3947.6278364734501	37.19.5353413416287	3645.01852625291	3645.05798428208	75.710871728976	74.777487409793	
11	205	150971	364361.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
12	205	150972	363681.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
13	205	150973	363021.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
14	205	150974	362621.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
15	205	150975	361701.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
16	205	150976	361041.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
17	205	150977	360381.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
18	205	150978	359721.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
19	205	150979	359061.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
20	205	150980	358401.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
21	205	150981	357741.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
22	205	150982	357081.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
23	205	150983	356421.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
24	205	150984	355761.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
25	205	150985	355101.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
26	205	150986	354441.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
27	205	150987	353781.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
28	205	150988	353121.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
29	205	150989	352461.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
30	205	150990	351801.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
31	205	150991	351141.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
32	205	150992	350481.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
33	205	150993	349821.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
34	205	150994	349161.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
35	205	150995	348501.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
36	205	150996	347841.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.24509063003	3947.624348920819	37.18.1971584904104	3643.65498208871	3643.65498208871	75.68264794972	75.78369308	
37	205	150997	347181.1431	92703.3170250766	-0.1404084850303	1923.052129	2247.2450							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
115	205	151075	-295071.1413	727037.3170250766	39.416366473091436	-01.8455681	255025.19486320878	3468847.167605264	3695.9614922536057	3569.1952652826236	3460.163202	3461.4534998896534	109.0320636565431	107.7417634298977
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117	205	151077	-295041.1413	727037.3170250766	39.41640679836265	-01.8460898	255400.3965411947	3468839.656349655	3696.700064901423	3565.19846438878	3465.744726504424	3467.1613380757994	109.03637104345445	82.92711338411946
118	205	151078	-293721.1413	727037.3170250766	39.41642689334678	-01.8385639	255521.48796734451	3468834.864374904	3697.081352942187	3563.054901689416	3545.253147907785	3478.308725	108.80175369185645	84.74617516350172
119	205	151079	-293601.1413	727037.3170250766	39.41644684323338	-01.8362291	255832.58515208622	3468830.763602877	3696.873700708275	3566.96736568759	3452.907824	3484.744704124105	108.0779329336879	76.24289593465414
120	205	151080	-292401.1413	727037.3170250766	39.41646694802211	-01.8338944	256033.6820953267	3468826.763248871	3697.979334701233	3568.906243175305	3451.694708	3490.8563472242527	107.711345898943	68.0498959312785
121	205	151081	-291741.1413	727037.3170250766	39.416468691	-01.8315597	256234.77879737006	3468822.56293798	3699.117558	3556.8115422172627	3450.71139034583	3487.08083978225	106.7110811777987	72.38396138
122	205	151082	-291081.1413	727037.3170250766	39.41650682	-01.8292249	256424.8752524417	3468818.042494401	3694.5473777176548	3554.703762065572	3450.0058362431683	3475.168478	104.698541933376	75.9358993
123	205	151083	-290481.1413	727037.3170250766	39.41652691802105	-01.8268682	256636.37474899156	3468813.393993958	3695.849389894123	3553.58671739646235	3448.4089191234133	3475.8148317598943	104.17865486220156295	84.8669220156295
124	205	151084	-289761.1413	727037.3170250766	39.41654651161974	-01.824554	256838.974553007	3468810.2634640	3695.8940225502937	3552.4520320379029	3445.565894528317	3467.16888971412475	104.7033623781198	88.77031623378161
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126	205	151086	-288441.1413	727037.3170250766	39.416586029701335	-01.8198589	257240.258696418	3468802.04798036	3685.98960977857	3546.1959566469816	3435.18204471771	3445.48454767639	111.0139114726557	100.70787819282406
127	205	151087	-287781.1413	727037.3170250766	39.41660571880519	-01.8175512	257441.3539562655	3468797.5965774752	3684.218679897688	3544.073467653405	3429.5908451222506	3434.2591755352605	114.4832425417909	109.8151921287826
128	205	151088	-287121.1413	727037.3170250766	39.4166253621103	-01.8152164	257642.4848755334	3468793.66965472	3680.6455023830437	3541.9704160079364	3424.775128197924	3425.993222907984	117.975286027433	117.975286027433
129	205	151089	-286461.1413	727037.3170250766	39.4166495711885	-01.8128817	257843.5437455313	3468789.763843997	3679.072364667025	3539.8889702519854	3420.395267015563	3414.3822107125914	119.934350530912	125.5906753930404
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131	205	151091	-285141.1413	727037.3170250766	39.41668402402176	-01.8082121	258245.7325971251	3468781.571734276	3671.867805456841	3535.779537906404	3413.220737843554	3409.607904879592	122.5587969472922	136.1176283112758
132	205	151092	-284481.1413	727037.3170250766	39.41670347853646	-01.8058774	258446.7625697126	3468777.473372877	3672.178148455017	3533.736296846647	3409.54422184388	3392.544413543254	124.1936746791646	141.191203189793
133	205	151093	-283821.1413	727037.3170250766	39.41672290636881	-01.8035426	258647.92048344205	3468773.379545338	3672.488483355386	3531.684924044755	3408.4832317284136	3385.791687	125.2112031606196	155.027951273565
134	205	151094	-283161.1413	727037.3170250766	39.41674277978598	-01.8012079	258849.0140686495	3468769.728359015	3672.798832661954	3529.651887290754	3402.571574735277	3373.808637343348	127.076708917246	158.453253564193
135	205	151095	-282501.1413	727037.3170250766	39.41676160810474	-01.7988731	259050.107515393	3468765.180977713	3674.0662465482804	3527.608452	3398.920358450072	3362.262747711867	128.688993317181	175.382175046033
136	205	151096	-281841.1413	727037.3170250766	39.41678190812522	-01.7965383	259251.2005241715	3468761.0801	3676.29125233312	3525.5646594416993	3394.950185026823	3362.262737595329	130.614471418763	185.3308284667017
137	205	151097	-281181.1413	727037.3170250766	39.41680212944755	-01.7942816	259456.4798196833	3468757.74489007	3672.6457109	3523.520457192157	3394.954274931321	3361.5122420911	127.229027752327	192.670156874785
138	205	151098	-280521.1413	727037.3170250766	39.41681932247113	-01.7919858	259653.3860236194	3468752.93050404	3670.740900263458	3521.46759718175	3386.598109205316	3363.4105946089574	134.8777826354317	238.0602057730543
139	205	151099	-279861.1413	727037.3170250766	39.41683847036485	-01.789534	259854.4784204086	3468748.790350404	3668.643382191232	3519.338313521912	3382.66114	3389.56786896981	129.866270682914	249.866270682914
140	205	151100	-279201.1413	727037.3170250766	39.41685753232339	-01.7871993	260055.5706	3468744.9149714312	3667.421273563393	3517.391725757578	3377.660675841024	3395.768176281006	137.310499165518	261.623494765765
141	205	151101	-278541.1413	727037.3170250766	39.416876763095179	-01.7848645	260256.66250373612	3468740.60099196	3660.801470789259	3515.382754984698	3372.87370833831	3420.82627553153	142.754662658388	280.523454631673
142	205	151102	-277881.1413	727037.3170250766	39.416895943581074	-01.7825297	260457.7541881644	3468736.505054258	3664.380642006444	3513.3178510402804	3372.583423276985	3394.3692919595924	145.75950871258192	298.459009068803
143	205	151103	-277221.1413	727037.3170250766	39.416916911131304	-01.780185	260658.4594959223	3468732.74489007	3662.457109	3509.2540572090225	3374.564265893677	3394.611078865427	148.7259187278167	316.670156874785
144	205	151104	-276561.1413	727037.3170250766	39.4169359	-01.7778932	260859.9368472125	3468728.317379968	3659.8592585307717	3509.2540572090225	3374.564265893677	3393.61492197384282	149.7342197384282	338.1166939165338
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146	205	151106	-275241.1413	727037.3170250766	39.41697124311537	-01.7731906	261262.11856121383	3468720.2136079	3665.492089513726	3505.2958272479654	3373.5588287725	3363.452917109954	161.76026902402	341.806375383714
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148	205	151108	-273921.1413	727037.3170250766	39.41700877229014	-01.7685211	261664.29933182686	3468712.93392839	3672.10295553267	3501.3311007229427	3373.553229593068	3362.760410710925	149.213987706596	362.6197706596
149	205	151109	-273261.1413	727037.3170250766	39.417027469225956	-01.7661863	261865.3898363871	3468707.839180536	3667.285202059879	3499.41151242285	3373.553229593068	3365.405979188837	154.430853115507	374.3516720504787
150	205	151110	-272601.1413	727037.3170250766	39.41704611269816	-01.763815	262066.4791650833	3468703.74489007	3665.457109	3507.255214033326	3374.032968406178	3374.42018038802	160.2224553520846	319.83196
151	205	151111	-271941.1413	727037.3170250766	39.41706472711811	-01.7615167	262267.56872248973	3468699.5076813735	3665.457109	3507.255214033326	3374.032968406178	3374.42018038802	160.2224553520846	319.83196
152	205	151112	-271281.1413	727037.3170250766	39.41708329454105	-01.759182	262468.6580443343	3468695.55687762	3649.077211269555	3493.892993594923	3362.1901761589615	3366.461610861956	151.7028172365308	372.413825339827
153	205	151113	-270621.1413	727037.3170250766	39.41710181	-01.7568472	262669.7471417826	3468691.463192425	3647.7564181301	3492.134471810763	3363.97161780867	3362.6301871977683	156.1628543297924	329.520483327802
154	205	151114	-269961.1413	727037.3170250766	39.41712027744873	-01.7545124	262870.83599772265	3468687.3	3643.4308709734067	3490.406257777974	3372.770489113611	3354.20543985188	162.6391366418648	338.349859261095
155	205	151115	-269301.1413	727037.3170250766	39.41713807378858	-01.7521776	263071.942634751	3468683.276437456	3642.4489305	3488.720170705684	3373.332271963718	3373.332271963718	155.9380272894647	350.9380272894647
156	205	151116	-268641.1413	727037.3170250766	39.41715706505342	-01.7498428	263273.0131319373	3468678.18334173	3642.791328	3487.03729199573	3369.02148203778	3373.332271963718	155.9380272894647	350.9380272894647
157	205	151117	-267981.1413	727037.3170250766	39.417175849610684	-01.7475137	263477.364322823	3468673.81119578	3640.654886249666	3482.128163828895	3373.332271963718	3373.332271963718	155.9380272894647	350.9380272894647
158	205	151118	-267321.1413	727037.3170250766	39.41719371232189	-01.7451732	263678.7267804713	3468668.0536748251	3640.654886249666	3482.128163828895	3373.332271963718	3373.332271963718	155.9380272894647	350.9380272894647
159	205													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVEKgr.ft	BRIEVEBothKgr.ft	SatThKgr.ft	SatThBoth.ft
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242	205	12102	-211881.1413	927037.3170250766	39.418569133186766	-105.1549047	280565.761905302746	43663237.345452313	3520.125426844473	337.2218184782348	3234.8635667629712	3205.9528713474877	132.61826171526334	161.2689471307648
243	205	12103	-211221.1413	927037.3170250766	39.418569406843028	-105.1532709	280765.83072423004	43663242.28844473	3518.2631526516292	335.5243178124494	3234.86316673445074	321.7725046979158	131.7725046979158	167.8435831318004
244	205	12104	-210561.1413	927037.3170250766	39.418568023098515	-105.1544373	280967.8993274864	436631.795100488	3518.6583071725294	3364.02778682514	3232.6668719004096	3187.66838148183	135.3450687367083	176.3540737968943316
245	205	12105	-209901.1413	927037.3170250766	39.418611230040951	-105.15420424	281186.967814511	4366315.720250676	3518.9543676185298	3363.417176	3231.3331043438584	3197.8517060456280	131.08407116220178	164.56156150497496
246	205	12106	-209241.1413	927037.3170250766	39.41862671261103	-105.15397075	281370.030863328	436631.454660908	3519.2485880130662	3359.047459331298	3230.205122587471	3208.997102612607	131.08407116220178	151.9086980772458
247	205	12107	-208581.1413	927037.3170250766	39.41864089971072	-105.15373726	281571.1032487086	4366307.571166054	3518.463765185298	3359.192492162811	3229.560080147222	3216.61371273648845	132.62848401508918	142.8221813592796
248	205	12108	-207921.1413	927037.3170250766	39.41865521770805	-105.15350377	281772.1716841386	4366303.496928306	3516.598975601403	3357.5273059607276	3224.279026679603	3224.279026679603	132.61371273648845	131.07165541077
249	205	12109	-207261.1413	927037.3170250766	39.418669406843028	-105.1532709	281975.2386108723	4366304.22884473	3514.73418681089816	3355.5243178124494	3234.86316673445074	321.7725046979158	131.7725046979158	167.8435831318004
250	205	12110	-206601.1413	927037.3170250766	39.4186355039833	-105.1533068	282174.3055277835	4366295.34905054	3514.73418681089816	3354.571101268993	3222.163538004984	3222.163538004984	132.61371273648845	131.07165541077
251	205	12111	-205941.1413	927037.3170250766	39.4186974709026	-105.15280331	282375.3762021115	4366291.254397956	3511.4074725464334	3352.88234496424	3227.085103666402	3221.5721315777105	126.60084112980821	131.124011338671844
252	205	12112	-205281.1413	927037.3170250766	39.41871168982041	-105.1525892	282576.4400537584	4366287.202019268	3510.348414308117	3341.028460948979	3225.60516921841	3220.439412604603	125.73769487846794	130.6033728364186
253	205	12113	-204621.1413	927037.3170250766	39.41872570516817	-105.1523633	282777.507174864	4366283.12880207	3509.289356	3349.34604504363	3223.77214581239	3225.60516921841	125.73769487846794	131.07165541077
254	205	12114	-203961.1413	927037.3170250766	39.41873966554784	-105.15210248	282978.57362774404	4366279.05790981	3508.2320373335683	3347.737085119784	3221.6127278084628	321.9634768805057	126.12435731132109	133.7767174517281
255	205	12115	-203301.1413	927037.3170250766	39.4187535283784	-105.1518938	283179.6396989565	4366274.36283027	3506.725053533623	3346.017084128146	3219.11451003403	321.9634768805057	126.12435731132109	133.7767174517281
256	205	12116	-202641.1413	927037.3170250766	39.41876745401953	-105.1516358	283380.70589752856	4366270.91037856	3504.759776305094	3344.387282262356	3216.26480276317	3209.113278632299	128.1332026484319	134.6770800029645
257	205	12117	-201981.1413	927037.3170250766	39.41878128009909	-105.15140237	283581.717124662	4366262.67980826	3503.49541902778	3342.7168640024315	3213.060971325987	3209.358869640178	128.1332026484319	134.6770800029645
258	205	12118	-201321.1413	927037.3170250766	39.418795051076516	-105.1511889	283782.8373143742	4366262.76786114	3503.49541902778	3341.3072844377	3209.358869640178	3204.808725325333	128.1332026484319	134.6770800029645
259	205	12119	-200661.1413	927037.3170250766	39.41880879651716	-105.1509354	283983.9027304592	4366258.69379502	3501.2448276818556	3339.3392674908464	3205.6483300051523	3202.960077908176	128.1332026484319	134.6770800029645
260	205	12120	-200001.1413	927037.3170250766	39.41882247742746	-105.1507091	284184.9678929603	4366254.622009598	3500.34333938367	3337.6413347051	3201.661389603068	3199.255674294813	128.1332026484319	134.6770800029645
261	205	12121	-199341.1413	927037.3170250766	39.418836313395516	-105.1504842	284386.0326390302	4366250.5042776	3498.44021114917	3335.49281916377	3198.10858185324	3196.508232524526	128.1332026484319	134.6770800029645
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263	205	12123	-198021.1413	927037.3170250766	39.41886313395516	-105.1499848	284786.1387124852	4366242.385724852	3494.9545178124494	3332.265381748357	3193.04852177483	3192.08452177483	128.1332026484319	134.6770800029645
264	205	12124	-197361.1413	927037.3170250766	39.418876739794134	-105.1497395	284989.224637248	4366238.33697989	3491.1260915102872	3329.1181929153272	3201.0871158382536	3198.3168410487977	128.1332026484319	134.6770800029645
265	205	12125	-196701.1413	927037.3170250766	39.4188902505571	-105.1495346	285190.29058018397	4366234.246	3487.66907505485	3328.111962005893	3211.856968732583	3207.93127893345	128.1332026484319	134.6770800029645
266	205	12126	-196041.1413	927037.3170250766	39.41890365214886	-105.1493007	285391.35484825904	4366230.19558272	3484.245935451793	3326.01468000146	3218.717330362597	3212.96038489304	128.1332026484319	134.6770800029645
267	205	12127	-195381.1413	927037.3170250766	39.41891706027171	-105.1490678	285592.4812	4366226.12526535	3481.007316471474	3325.693488017364	3212.368710471594	3212.96038489304	128.1332026484319	134.6770800029645
268	205	12128	-194721.1413	927037.3170250766	39.41893039022616	-105.1488339	285793.481166207736	4366222.05054705	3477.92139631927	3323.981818617675	3221.458612436577	3207.76742938075	128.1332026484319	134.6770800029645
269	205	12129	-194061.1413	927037.3170250766	39.41894367507805	-105.1486005	285994.544832604	4366218.1785126797	3474.835081139679	3322.265381748357	3219.04852177483	3216.26480276317	128.1332026484319	134.6770800029645
270	205	12130	-193401.1413	927037.3170250766	39.41895704872763	-105.1483671	286195.607592459	4366214.193538258	3471.835193182358	3320.588902442119	3219.04852177483	3216.26480276317	128.1332026484319	134.6770800029645
271	205	12131	-192741.1413	927037.3170250766	39.41897011	-105.1481352	286396.67084750547	4366209.85483433	3468.921110825067	3318.8914227373263	3217.234849714728	3216.26480276317	128.1332026484319	134.6770800029645
272	205	12132	-192081.1413	927037.3170250766	39.4189835290518965	-105.1479003	286597.7308413655	4366205.76508815	3465.32215968084	3317.198715764526	3215.538354136345	3218.064809758751	128.1332026484319	134.6770800029645
273	205	12133	-191421.1413	927037.3170250766	39.41899633460884	-105.1476654	286798.7959192247	4366201.70737798	3463.75321111101	3315.50980369711	3213.820291011944	3217.9186201446302	128.1332026484319	134.6770800029645
274	205	12134	-190761.1413	927037.3170250766	39.4190042280024	-105.1474305	286999.858406697	4366207.63845117	3461.21442625411	3313.624163965164	3212.39813454862127	3215.538354136345	128.1332026484319	134.6770800029645
275	205	12135	-190101.1413	927037.3170250766	39.41902430703699	-105.1471996	287200.520152528	4366193.57	3458.3004535729	3312.155015161776	3210.846323248294	3218.064809758751	128.1332026484319	134.6770800029645
276	205	12136	-189441.1413	927037.3170250766	39.41904367507805	-105.1469648	287401.3810556284	4366189.10121026	3454.9545178124494	3310.04852177483	3218.064809758751	3216.26480276317	128.1332026484319	134.6770800029645
277	205	12137	-188781.1413	927037.3170250766	39.41906339022616	-105.1467327	287603.0435485045	4366184.83296808	3452.62683793083	3308.876516603491	3207.65805899324	3217.9186201446302	128.1332026484319	134.6770800029645
278	205	12138	-188121.1413	927037.3170250766	39.4190812091342	-105.1464908	287804.104392506	4366181.36478035	3445.577659889067	3307.228520383253	3205.62506072797	3219.04852177483	128.1332026484319	134.6770800029645
279	205	12139	-187461.1413	927037.3170250766	39.419097402857575	-105.1462559	288005.1661087236	4366177.26880156	3443.48368841353	3305.6115891529053	3203.5260064196057	3218.064809758751	128.1332026484319	134.6770800029645
280	205	12140	-186801.1413	927037.3170250766	39.4190868168097	-105.1460321	288206.2271	4366173.22917841	3443.48368841353	3304.00744125916	3201.334024194285	3219.04852177483	128.1332026484319	134.6770800029645
281	205	12141	-186141.1413	927037.3170250766	39.41909957530164	-105.1457981	288428.783294568	4366169.11680824	3441.007316471474	3302.416968138396	3219.04852177483	3216.26480276317	128.1332026484319	134.6770800029645
282	205	12142	-185481.1413	927037.3170250766	39.4191122738105	-105.1455612	288608.348582366	4366165.94307361	3438.43580435729	3300.942508995473	3219.04852177483	3216.26480276317	128.1332026484319	134.6770800029645
283	205	12143	-184821.1413	927037.3170250766	39.41913062302616	-105.1453277	288809.524781716	4366161.61616161	3435.942508995473	3300.942508995473	3219.04852177483	3216.26480276317	128.1332026484319	134.6770800029645
284	205	12144	-184161.1413	927037.3170250766	39.41915733549666	-105.1450914	289014.4689	4366156.96047194	3433.8684396402	3297.745233312				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	1stSatElevLogKrg.f	1stSatBothKrg.f
367	25	1327	-123981.1413	727037.3172025076	39.42002679485985	-101.2571809	305687.756967967	4358620.119716208	308.2512079202443	318.8017103451665	307.07223278035275	111.6561966394815	112.6477754813767	
368	25	1328	-128721.1413	727037.3172025076	39.42003561445822	-101.2584489	305880.800200509	4356816.0694838	330.78763544071	318.2386424027108	307.2998403487776	110.7128362440343	110.1104657777527	
369	25	1329	-128691.1413	727037.3172025076	39.42004399897198	-101.262811	306089.633509045	4356812.03038119	328.4240631718988	318.6793246171647	307.638297895345	110.20229056721914	109.885612380471914	
370	25	1330	-127401.1413	727037.3172025076	39.42005312	-101.250176	305300.8863	4356810.97102479	329.4860497077265	318.535380677005	307.6185522766755	107.3473513574179	109.300333009507	
371	25	1331	-126741.1413	727037.3172025076	39.42006180262583	-101.247841	306051.929148308	4356803.921867784	329.924957420576	318.4285953484047	307.8497018366996	110.268323602454	110.0683308795133	
372	25	1332	-126081.1413	727037.3172025076	39.4200704180585	-101.2455061	306072.97181291034	4356810.97102479	328.717462500474	318.2131429789976	307.1537469732507	107.1096595051697	108.15386050574691	
373	25	1333	-125421.1413	727037.3172025076	39.420079035881265	-101.2437111	306094.014287131	4356810.97102479	328.1099677603195	317.772563078295	307.2953031564603	107.21152630742595	107.82226203325565	
374	25	1334	-124761.1413	727037.3172025076	39.420087584856255	-101.2408361	305710.056672059	4356791.77561461	328.0240723029119	317.912912256338	307.13391674810346	107.8800537730453	109.50633213145084	
375	25	1335	-124011.1413	727037.3172025076	39.4200968872255	-101.2388011	307306.968787956	4356810.97102479	327.9712272174	317.523769898387	306.1900775537246	107.7981964723643	108.44546330911402	
376	25	1336	-123441.1413	727037.3172025076	39.4201054746379	-101.236162	307507.1405751604	4356810.97102479	327.932137772735	317.62102579708975	307.087712570226	107.5448950562336	108.933547179376	
377	25	1337	-122781.1413	727037.3172025076	39.42011296114052	-101.2338312	307870.182393575	4356779.31195778	327.9356479	317.4736864189768	306.1640475008003	107.62494353766	110.301698440202	
378	25	1338	-122121.1413	727037.3172025076	39.42012132969255	-101.2314962	307909.223294599	4356757.83542652	327.915180497505	317.2703534864583	306.677322326884	106.627551891454	109.02621309376991	
379	25	1339	-121461.1413	727037.3172025076	39.42012965313987	-101.2291612	308110.2652663798	4356751.53532898	327.8856343742107	317.0979548523606	306.2643430840034	106.18562337584076	110.12834520123264	
380	25	1340	-120801.1413	727037.3172025076	39.420137931482465	-101.2268262	308311.3046253067	4356736.48806507	327.936367847677	316.97260259	306.230303382324	106.156390830734	105.9542283092379	
381	25	1341	-120141.1413	727037.3172025076	39.42014616472098	-101.2244813	308512.347369838	4356734.41	326.949164395274	316.749138287054	306.217826081203	106.156390830734	105.9542283092379	
382	25	1342	-119481.1413	727037.3172025076	39.42015435285334	-101.222165	308713.3891657886	4356739.39453677	326.949164395274	316.749138287054	306.217826081203	106.156390830734	105.9542283092379	
383	25	1343	-118821.1413	727037.3172025076	39.4201624588163	-101.2198213	308914.4428757297	4356735.38747427	325.17526382167	316.68486847858	306.451236116733	106.156390830734	105.9542283092379	
384	25	1344	-118161.1413	727037.3172025076	39.420170380512	-101.2174963	309115.4691615687	4356751.30134407	325.33834726317	316.6205787136996	306.3894079795325	106.156390830734	105.9542283092379	
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386	25	1346	-116841.1413	727037.3172025076	39.4201866543765	-101.2128164	309517.54409497125	4356748.198281328	325.15916687152064	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
387	25	1347	-116181.1413	727037.3172025076	39.42019481694664	-101.2104814	309718.5893	4356739.39453677	325.15916687152064	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
388	25	1348	-115521.1413	727037.3172025076	39.4202053445081	-101.208146	309916.8291812705	4356735.38747427	325.15916687152064	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
389	25	1349	-114861.1413	727037.3172025076	39.42021566944265	-101.205816	310124.1647474053	4356748.198281328	325.15916687152064	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
390	25	1350	-114201.1413	727037.3172025076	39.42022182344445	-101.2034764	310321.707691346	4356722.05265787	323.90305011341	316.25109831840597	306.23420383	106.3053555085654	106.9704807	
391	25	1351	-113541.1413	727037.3172025076	39.42022601633385	-101.2011414	310522.7476956026	4356722.05265787	323.90305011341	316.25109831840597	306.23420383	106.3053555085654	106.9704807	
392	25	1352	-112881.1413	727037.3172025076	39.42023375341852	-101.1988065	310723.7856841908	4356718.9365199	323.68874560737	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
393	25	1353	-112221.1413	727037.3172025076	39.4202411439816	-101.1964715	310924.8243135398	4356718.9365199	323.68874560737	316.4103487423283	306.4330982211996	106.4389105737102	105.9542283092379	
394	25	1354	-111561.1413	727037.3172025076	39.42024992272826	-101.1941365	311126.952676027	4356710.47385644	322.121539569467	314.181795706763	306.618496193364	106.35384076531227	106.2983230535034	
395	25	1355	-110901.1413	727037.3172025076	39.4202566944265	-101.191816	311326.90137184	4356710.47385644	322.121539569467	314.181795706763	306.618496193364	106.35384076531227	106.2983230535034	
396	25	1356	-110241.1413	727037.3172025076	39.4202645207073	-101.189465	311527.9018918925	4356710.47385644	322.121539569467	314.181795706763	306.618496193364	106.35384076531227	106.2983230535034	
397	25	1357	-109581.1413	727037.3172025076	39.42027176267056	-101.187135	311728.974821296	4356710.47385644	322.121539569467	314.181795706763	306.618496193364	106.35384076531227	106.2983230535034	
398	25	1358	-108921.1413	727037.3172025076	39.42027922728181	-101.1847965	311930.015288103	4356694.671497382	321.1035277906303	313.350496098842	305.565124005586	105.795137749054	107.5730239252616	
399	25	1359	-108261.1413	727037.3172025076	39.42028665007154	-101.1824616	312131.0529100717	4356694.671497382	321.1035277906303	313.350496098842	305.565124005586	105.795137749054	107.5730239252616	
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401	25	1361	-106941.1413	727037.3172025076	39.42030334545989	-101.1777918	312533.172602491	4356694.671497382	321.1035277906303	313.350496098842	305.565124005586	105.795137749054	107.5730239252616	
402	25	1362	-106281.1413	727037.3172025076	39.4203126944265	-101.175416	312734.1647474053	4356694.671497382	321.1035277906303	313.350496098842	305.565124005586	105.795137749054	107.5730239252616	
403	25	1363	-105621.1413	727037.3172025076	39.42031588441959	-101.1731216	312985.2015611903	4356694.671497382	321.1035277906303	313.350496098842	305.565124005586	105.795137749054	107.5730239252616	
404	25	1364	-104961.1413	727037.3172025076	39.42032308	-101.1707866	313136.238565932	4356670.413761319	321.74503303194	312.1048652911709	306.2626768295794	106.3072002	105.57188462591175	
405	25	1365	-104301.1413	727037.3172025076	39.42033023096371	-101.1684516	313337.274877678	4356670.413761319	321.74503303194	312.1048652911709	306.2626768295794	106.3072002	105.57188462591175	
406	25	1366	-103641.1413	727037.3172025076	39.42033734	-101.1661166	313538.31172101993	4356662.329447337	321.74503303194	312.1048652911709	306.2626768295794	106.3072002	105.57188462591175	
407	25	1367	-102981.1413	727037.3172025076	39.42034370968986	-101.1638716	313739.347283575	4356622.78938312	322.706070664117	311.5125021022473	306.689807471172	105.639598146208	105.71374983	
408	25	1368	-102321.1413	727037.3172025076	39.42035141	-101.161446	313940.382544589	4356654.24600321	322.706070664117	311.5125021022473	306.689807471172	105.639598146208	105.71374983	
409	25	1369	-101661.1413	727037.3172025076	39.42035969783725	-101.159176	314137.468781957	4356618.9365199	322.706070664117	311.5125021022473	306.689807471172	105.639598146208	105.71374983	
410	25	1370	-101001.1413	727037.3172025076	39.42036593783275	-101.156776	314342.4544619284	4356618.9365199	322.706070664117	311.5125021022473	306.689807471172	105.639598146208	105.71374983	
411	25	1371	-100341.1413	727037.3172025076	39.420372188071696	-101.154417	314543.490091458	4356642.123212601	324.1046454327	310.416917790536	306.2438906167363	105.64245682712	105.25229102	
412	25	1372	-99681.1413	727037.3172025076	39.42037903205491	-101.1521067	314744.525339941	4356638.01849582	324.1046454327	310.416917790536	306.2438906167363	105.64245682712	105.25229102	
413	25	1373	-99021.1413	727037.3172025076	39.42038581293292	-101.1497717	314945.500564636	4356634.04086959	324.1046454327	310.416917790536	306.2438906167363	105.64245682712	105.25229102	
414	25	1374	-98361.1413	727037.3172025076	39.420395277352	-101.1474367	315146.5952913263	4356618.9365199	324.1046454327	310.416917790536	306.2438906167363	105.64245682712	105.25229102	
415	25	1375	-97701.1413	727037.3172025076	39.42040295737325	-101.145107	315347.629962305	4356618.9365199	324.1046454327	310.41				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SatHtLog.f	SatHtBoth.f
439	205	151453	-46221.14133	727037.3170250766	39.4207628129734	-100.96267909	331027.79079049384	4365311.448829093	3090.1823241781967	2793.30877260911	2896.762735651552	2899.3606187173193	74.5480031935912	73.94753989777164
494	205	151454	-45561.14133	727037.3170250766	39.4207659917184	-100.9606399	331228.816126077	4365307.424366332	3091.5902013849733	2793.4582686550083	2897.864351109399	2898.4565114498398	74.0834359406916	73.949175738662503
496	205	151455	-44981.14133	727037.3170250766	39.4207689893234	-100.9644906	331429.839177224	4365303.400327976	3096.454862966683	2793.51819181217	2894.8122357445727	2897.506686464373	73.730509140381178	73.02401030811178
498	205	151456	-44241.14133	727037.3170250766	39.42077213940825	-100.9556599	331630.8598160241	4365299.377	3100.48568299988	2799.2185823165323	2897.18162059988	2897.407727365554	72.05705539	71.8100609779972
497	205	151457	-43581.14133	727037.3170250766	39.420779513943315	-100.9536309	331831.88039639086	4365295.392521034	3105.546484730887	2797.849262010396	2897.27558004091	2897.4802740218496	70.7668802054877	70.3690418
498	205	151458	-43221.14133	727037.3170250766	39.420778089139814	-100.9512958	332032.900130302	4365291.33012666	3106.470280357923	2796.47603016045	2897.99018460926	2898.165161741947	68.548054071095	68.3106827415038
499	205	151459	-42261.14133	727037.3170250766	39.4208010263301	-100.9489806	332233.9210661446	4365287.306441417	3112.231906	2796.08878094311	2899.359831	2899.565393942431	65.7389612034084	65.53391316999696
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501	205	151461	-40941.14133	727037.3170250766	39.4208668893234	-100.9444906	332635.9610826215	4365279.68680947	3122.351819181217	2798.4122357445727	2899.392781370172	2902.39781370172	59.83803794450534	59.736186387
502	205	151462	-40281.14133	727037.3170250766	39.4208940436704	-100.9419559	332836.9804632296	4365275.2381091	3108.8471651819058	2798.4122357445727	2901.099962571094	2902.709962571094	53.8415770670004	53.00597285743106
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514	205	151474	-32361.14133	727037.3170250766	39.4208395176389	-100.9138355	335249.2045752346	4365226.362664472	3108.7026571195874	2794.390453717304	2863.1994519543402	2854.951742	31.4531465773901	31.408775826959
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521	205	151481	-27741.14133	727037.3170250766	39.42085382919083	-100.8978793	336656.3257785877	4365200.8789393	3080.18504869637	2793.51819181217	2840.43208719366273	2839.51819181217	17.8561553	17.8561553
522	205	151482	-27081.14133	727037.3170250766	39.4208559515181	-100.895625	336857.3422772801	4365194.829041315	3078.95544387953	2793.410215296147	2840.771104327712	2839.771104327712	15.7788953	15.7788953
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531	205	151491	-21141.14133	727037.3170250766	39.4208703192369	-100.8742401	338666.48415362247	4365158.76135717	3061.272847532038	2792.8287068517366	2822.7598457891376	2822.7598457891376	0.94686273390024	0.94686273390024
532	205	151492	-20481.14133	727037.3170250766	39.42087175421322	-100.871905	338867.491256196	4365154.6543304	3059.99612595072	2791.596469583079	2820.316112517126	2820.316112517126	0.95361576052636	0.95361576052636
533	205	151493	-19821.14133	727037.3170250766	39.42087313396554	-100.86957	339068.513941073	4365150.83835446	3054.103841714292	2791.536887721186	2816.698192178466	2816.698192178466	0.9750850331928	0.9750850331928
534	205	151494	-19161.14133	727037.3170250766	39.4208744634706	-100.867235	339269.5286001895	4365146.42349453	3051.291570535115	2791.2067113692223	2813.259423955727	2813.046743961118	0.994072871345457	0.994072871345457
535	205	151495	-18501.14133	727037.3170250766	39.4208757901242	-100.864988	339466.539544481	4365142.324594216	3048.95544387953	2791.073913878966	2810.97778386989	2810.97778386989	0.9816286593836	0.9816286593836
536	205	151496	-17841.14133	727037.3170250766	39.42087692309674	-100.862549	339671.5545201121	4365138.9002377	3046.704170270897	2790.98246291284	2808.651373738423	2808.651373738423	0.93281446978153	0.93281446978153
537	205	151497	-17181.14133	727037.317										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatfElevKrg.ft	SatfBoth.ft
619	205	15179	36986.9586730335	927037.3170250766	-03.42082283	-100.668758	356535.22516322624	4364805.991152278	2962.96865626623223	275.387899911429	2689.73195257207	2692.4119654627016	56.5565045422186	62.97593444872746
620	205	15180	37998.9586730335	927037.3170250766	-03.42082028	-100.6664227	356565.2214505834	4364801.992399391	2958.474775907804	275.348650713378	2684.883613746052	2688.623735550464	56.500496852293	64.86013516
621	205	15181	38268.9586730335	927037.3170250766	-03.420817807509	-100.6616787	356572.2371504785	436479.98387044	2958.0461961981363	275.379146825656	2688.1089798173	2670.999217016804	57.08878372739	67.9817301
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626	205	15186	41558.9586730335	927037.3170250766	-03.4208045036762	-100.6524126	357726.2313512574	4364784.70042091	2941.9133680167	274.3195331326092	2667.90850349256	2679.05422735394	57.404466291	62.899485909053
627	205	15187	42118.9586730335	927037.3170250766	-03.4208018757286	-100.6500778	357963.2371504785	4364784.70042091	2939.866172299595	274.3195331326092	2667.90850349256	2679.05422735394	57.404466291	62.899485909053
628	205	15188	42748.9586730335	927037.3170250766	-03.42079927672105	-100.6477428	358164.2380131376	4364784.70042091	2937.554817240408	273.7373453494804	2669.954073270403	2674.0550453842873	57.690776777777	63.53842940195146
629	205	15189	43538.9586730335	927037.3170250766	-03.42079536665335	-100.6454075	358365.2387744925	4364786.010622476	2935.97071486312	273.57919079600326	2669.23083939719	2673.88989074452	57.838185902845	64.52302189
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634	205	15194	46838.9586730335	927037.3170250766	-03.4207798503988	-100.633724	359370.2405433723	4364746.030912801	2925.878584742896	272.5139642045385	2666.239018402877	2672.720301	57.9247353166581	53.2433533810854
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642	205	15202	52118.9586730335	927037.3170250766	-03.42075298331086	-100.6150263	360978.2371265514	4364714.07032893	2892.03429679704	270.874607765567	2651.05069397776	2652.80734091816	57.84849671719664	54.9685070448887
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650	205	15210	57398.9586730335	927037.3170250766	-03.4207242804316	-100.5963721	362586.222277863	4364682.13226417	2881.4970321745586	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
651	205	15211	58058.9586730335	927037.3170250766	-03.420718948705684	-100.5940371	362787.2210122663	4364678.1305753	2880.70629271107	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
652	205	15212	58718.9586730335	927037.3170250766	-03.42071502711965	-100.5917021	362988.2186644316	4364674.1383875	2878.22911231197	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
653	205	15213	59378.9586730335	927037.3170250766	-03.420711092271196	-100.5893571	363189.216184834	4364670.1426895	2876.737172299618	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
654	205	15214	60038.9586730335	927037.3170250766	-03.42070742455815	-100.5870211	363390.216184834	4364666.1426895	2875.24254848916	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
655	205	15215	60698.9586730335	927037.3170250766	-03.42070371629732	-100.5846971	363591.2180320559	4364662.13265257	2873.29081923747	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
656	205	15216	61358.9586730335	927037.3170250766	-03.4206995453062	-100.582362	363792.2079559864	4364658.17116905	2869.87146055401	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
657	205	15217	62018.9586730335	927037.3170250766	-03.420696433	-100.5800237	363993.2049506253	4364654.17980224	2868.26409756546	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
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659	205	15219	63338.9586730335	927037.3170250766	-03.42068876219565	-100.575357	364395.198474251	4364646.19777038	2865.812805132413	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
660	205	15220	63998.9586730335	927037.3170250766	-03.42068411095752	-100.573022	364596.15915004478	4364642.20760415	2864.6203966077108	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
661	205	15221	64658.9586730335	927037.3170250766	-03.4206794510519	-100.5706977	364797.1624623989	4364638.216184834	2863.4315835942586	268.735240652062	2642.152662830428	2648.7247065786233	57.84849671719664	54.9685070448887
662	205	15222	65318.9586730335	927037.3170250766	-03.42067475730052	-100.568352	364998.186	4364634.232						

ix	iy	ic1	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatSdLog.f	SatThBoth.f
131	206	18183	-285141.1413	727697.3172025076	39.4184867331952	-101.8082372	258249.8389036103	4369882.859	3670.4198436131414	35.2570881791867	3411.7136984438254	3397.481855	123.7533087335128	137.77523037649653
132	206	18183	-284841.1413	727697.3172025076	39.41851620143102	-101.805924	258450.8327780523	4369678.761242239	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
133	206	18183	-283821.1413	727697.3172025076	39.418552044316	-101.798567	258658.5830376123	4369678.761242239	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
134	206	18183	-283161.1413	727697.3172025076	39.4185549435953	-101.8012328	258583.1197570524	4369678.761242239	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
135	206	18183	-282501.1413	727697.3172025076	39.41857432316926	-101.798888	259054.212888643	4369666.467371112	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
136	206	18183	-281841.1413	727697.3172025076	39.4185936088316	-101.795631	259255.3057827658	4369666.467371112	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
137	206	18183	-281181.1413	727697.3172025076	39.41861248497556	-101.7942283	259456.3984	4369666.467371112	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
138	206	18183	-280521.1413	727697.3172025076	39.41863203901243	-101.791835	259657.405968686	4369666.467371112	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
139	206	18183	-279861.1413	727697.3172025076	39.41865118742772	-101.788674	259858.5830376123	4369666.467371112	3668.874631518973	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
140	206	18180	-279201.1413	727697.3172025076	39.4186729074342	-101.787223	260059.6749810544	436965.82787356	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
141	206	18184	-278541.1413	727697.3172025076	39.41868934856949	-101.784889	260260.76668742058	4369641.88647058	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
142	206	18184	-277881.1413	727697.3172025076	39.41870830207588	-101.7825542	260461.85815691476	4369637.30272529	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
143	206	18184	-277221.1413	727697.3172025076	39.4187233009257	-101.7802194	260662.94839974382	4369633.6924	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
144	206	18184	-276561.1413	727697.3172025076	39.41874625	-101.777845	260864.04036811252	4369629.50892414	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
145	206	18184	-275901.1413	727697.3172025076	39.4187613082665	-101.775497	261065.3114622774	4369625.50227975	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
146	206	18184	-275241.1413	727697.3172025076	39.4187839634338	-101.7732149	261266.22167702046	4369621.40757143	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
147	206	18184	-274581.1413	727697.3172025076	39.41880275116444	-101.77088	261467.41195851738	4369617.31242163	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
148	206	18184	-273921.1413	727697.3172025076	39.41882143637904	-101.7685452	261668.40201110355	4369613.217474669	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
149	206	18184	-273261.1413	727697.3172025076	39.41884019	-101.7662104	261869.4918282554	4369609.12736612	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
150	206	18180	-272601.1413	727697.3172025076	39.41885843414405	-101.7638755	262070.58140181733	4369602.8202065	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
151	206	18181	-271941.1413	727697.3172025076	39.41887174506329	-101.7615407	262271.67070759045	4369603.93782261	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
152	206	18182	-271281.1413	727697.3172025076	39.41889071274974	-101.759258	262472.7598918947	4369603.93782261	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
153	206	18183	-270621.1413	727697.3172025076	39.419151146892876	-101.756518	262677.2820908754	4369602.8202065	3671.52599567102	35.32124116953197	3391.822120548717	3391.8824442482986	126.12199904046780	141.33927247017657
154	206	18184	-269961.1413	727697.3172025076	39.4193300168481	-101.7543592	262874.9373897575	436988.652116227	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
155	206	18185	-269301.1413	727697.3172025076	39.418951428502176	-101.7522013	263076.0257986408	4369884.55868072	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
156	206	18186	-268641.1413	727697.3172025076	39.418969810219366	-101.7498665	263277.113973522	4369880.4530584	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
157	206	18187	-267981.1413	727697.3172025076	39.41898814683632	-101.7475316	263478.20191463656	4369876.372208302	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
158	206	18188	-267321.1413	727697.3172025076	39.41900643835302	-101.7451968	263679.28962216317	4369872.27931972	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
159	206	18189	-266661.1413	727697.3172025076	39.419024684790475	-101.7428618	263880.37709651317	4369868.19628698	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
160	206	18190	-266001.1413	727697.3172025076	39.419042896761	-101.7405271	264081.4644372611	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
161	206	18191	-265341.1413	727697.3172025076	39.41906104231038	-101.7381922	264282.5514452658	4369860.01968392	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
162	206	18192	-264681.1413	727697.3172025076	39.41907915342574	-101.7358574	264483.6320255246	4369865.9079697	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
163	206	18193	-264021.1413	727697.3172025076	39.41909721944069	-101.7335225	264684.7243623036	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
164	206	18194	-263361.1413	727697.3172025076	39.419115240355175	-101.7311877	264885.8110735996	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
165	206	18195	-262701.1413	727697.3172025076	39.4191323169198	-101.7288528	265086.89718190874	4369863.63	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
166	206	18196	-262041.1413	727697.3172025076	39.419151146892876	-101.726518	265287.2820908754	4369862.8202065	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
167	206	18197	-261381.1413	727697.3172025076	39.41916902326596	-101.7241831	265488.0684	4369863.45258118	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
168	206	18198	-260721.1413	727697.3172025076	39.41918673007967	-101.7218482	265690.153995657	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
169	206	18199	-260061.1413	727697.3172025076	39.4192046841965	-101.7195134	265891.2391473746	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
170	206	18180	-259401.1413	727697.3172025076	39.419222411873075	-101.7171785	266092.3241	4369863.18061298	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
171	206	18181	-258741.1413	727697.3172025076	39.41924012394105	-101.7148346	266293.489757561	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
172	206	18182	-258081.1413	727697.3172025076	39.4192577	-101.7125858	266494.932166417	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
173	206	18183	-257421.1413	727697.3172025076	39.4192758199996	-101.7102918	266696.574461327	4369861.9415009	3636.224020567197	3490.400211353983	3328.963055451157	3360.729985868046	116.4163078012466	129.620424065415
174	206	18184	-256761.1413	727697.3172025076	39.4192928696764	-101.7079389	266896.661443301	4369861.9415009	3636.224020567197	3490.400211353983	3328.9			

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHLogKrg.f	SatHBoth.f
257	206	19197	-201981.1413	927697.3170250766	39.2059048464479	-101.5140415	283885.8510073404	346668.0977423275	300.359725895706	324.160241144182	321.431549670314	320.415599844394	320.7286914738679
258	206	19198	-201321.1413	927697.3170250766	39.20607628178485	-101.5117766	283766.9163951748	346640.025337653	3495.4114182614157	330.406913021498	320.07299494577	321.42660152589073	320.7400922568073
259	206	19199	-200661.1413	927697.3170250766	39.20621564401654	-101.503276	28387.3618710229	346655.851319861	3493.1217231329	333.768398331674	320.4220813118927	321.4545480197247	320.64302946378
260	206	19200	-200001.1413	927697.3170250766	39.206352552493	-101.5073067	284189.046534207	346645.861147206	3493.551822605425	3337.066512092445	320.3019206701567	321.43627121622547	320.47763375088284
261	206	19201	-199341.1413	927697.3170250766	39.20648680154481	-101.5047017	284380.11128233164	346645.809581815	3493.961283276583	3333.366283176887	321.31970570802767	321.4935820638631	321.048672748577
262	206	19192	-198681.1413	927697.3170250766	39.20652620451455	-101.5023668	284591.1758203454	346647.37764025	3494.37123536714	3335.365173575874	321.3977839581723	321.3973098579517	321.7467569415312
263	206	19193	-198021.1413	927697.3170250766	39.20670658274566	-101.5000318	284792.204154576024	346643.666384361	3492.49862249945	3331.940148	321.4777691316663	321.99252103684296	321.6623730365689
264	206	19194	-197361.1413	927697.3170250766	39.206895689414	-101.4978969	284983.3042596882	346649.359205983	3488.3326266283	3330.226496490566	320.3214657207113	321.20120620173126	321.0118392834529
265	206	19195	-196701.1413	927697.3170250766	39.2070303659033	-101.496316	285194.2681630245	346650.3524	3493.5117468386807	3328.5117468386807	321.022632659804	321.4545480197247	320.64302946378
266	206	19196	-196041.1413	927697.3170250766	39.207164550296	-101.4930269	285395.341652999	346641.35464387	3490.02123684292	3326.798234781573	322.200807973396	321.9276819192036	321.5074828683971
267	206	19197	-195381.1413	927697.3170250766	39.20729830492036	-101.490862	285596.4953279345	346647.423004254	3486.0984898736933	3325.068374286515	322.0587879125935	321.90341582997197	321.1131330838506
268	206	19198	-194721.1413	927697.3170250766	39.2074316078756	-101.488357	285797.5586016207	346642.31540557	3472.4121517729163	3323.378598	322.413156102484304	320.94719913441386	321.0629809700129
269	206	19199	-194061.1413	927697.3170250766	39.2076454597946	-101.4860221	285998.6216556989	346647.242238281	3468.724554570698	3321.6739027112553	322.1662565681086	320.3213430985712	321.93508712554343
270	206	19197	-193401.1413	927697.3170250766	39.2077696066774	-101.4836871	286199.6845	346641.17234423	3465.073735069234	3319.973735069234	321.9458793463727	321.94046921468916	321.0514779563057
271	206	19197	-192741.1413	927697.3170250766	39.20782681052528	-101.4813521	286400.747143576	346641.10288473	3481.889843616587	3318.277446699473	321.2701830807873	321.48544811463816	321.01796301039572
272	206	19197	-192081.1413	927697.3170250766	39.2079603093335	-101.4790172	286601.8095713736	346647.071453523	3459.281232313093	3316.58403406383	321.489065055557	321.7576887205635	321.016853780112643
273	206	19197	-191421.1413	927697.3170250766	39.2080913571061	-101.4768622	286802.8717884487	346642.96380281	3456.672803	3314.8946786724202	321.2880467	321.65057071922705	321.0160978814543
274	206	19194	-190761.1413	927697.3170250766	39.2082219538415	-101.4743472	287003.9337957025	346638.894675017	3454.064282705936	3313.215204	321.2941720731933	321.515180699791997	321.0117212466682
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277	206	19197	-188781.1413	927697.3170250766	39.20861103782191	-101.4673424	287607.118616472	346636.68801474	3449.0652553689	3306.6559	320.5518867357096	321.78978870783626	321.0708671767022
278	206	19197	-188121.1413	927697.3170250766	39.20873683040261	-101.4650074	287808.1797139363	346632.36018596	3448.36519519696	3305.63591672875	320.530563603045	321.84305020177934	321.032697673446
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgr.ft	SatHtKgrs.ft	SatHtBoth.ft
334	206	152083	-118821.1413	927697.3170250766	-92.7195792979411	-101.2198318	808918.4811237606	4369596.88272758	3262.692642326404	31.6238708319787	3062.6081812193383	3062.77141523424	610.64052710044871	100.47723980585429
384	206	152084	-118611.1413	927697.3170250766	-92.7195365104282	-101.2174967	809119.521148727	4369592.53623493	3261.929535133882	31.61421561547874	3062.8987874111917	3063.55131556675	86.5227741366662	86.17002999120314
385	206	152085	-117601.1413	927697.3170250766	-92.72199144972961	-101.215117	809200.5613	4369592.53623493	3261.929535133882	31.59340386100734	3063.18527407318	3063.618527407318	86.34174179527649	86.48488150876623
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387	206	152087	-116181.1413	927697.3170250766	-92.72200741986117	-101.2104916	809722.6047674035	4369590.3947156199	3258.580254409784	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
388	206	152088	-115521.1413	927697.3170250766	-92.722015337567935	-101.2081566	809923.6802110795	4369590.3947156199	3258.580254409784	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
389	206	152089	-114861.1413	927697.3170250766	-92.72202321016839	-101.2058215	810124.7195	4369592.53623493	3262.692642326404	31.581292943912465	3062.330717204619	3062.330717204619	89.277118662799	89.5027514
390	206	152090	-114201.1413	927697.3170250766	-92.72203102673639	-101.2034865	810325.758327134	4369592.53623493	3262.692642326404	31.581292943912465	3062.330717204619	3062.330717204619	89.277118662799	89.5027514
391	206	152091	-113541.1413	927697.3170250766	-92.7220388205502	-101.201514	810526.7974362072	4369592.53623493	3262.692642326404	31.581292943912465	3062.330717204619	3062.330717204619	89.277118662799	89.5027514
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395	206	152095	-110901.1413	927697.3170250766	-92.722069349854746	-101.1918113	811330.9511251197	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
396	206	152096	-110241.1413	927697.3170250766	-92.72207705540308	-101.1894762	811531.890866657	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
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400	206	152100	-107601.1413	927697.3170250766	-92.72210683174826	-101.180136	812336.1390902815	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
401	206	152101	-106941.1413	927697.3170250766	-92.72211416310211	-101.177801	812537.1761315696	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
402	206	152102	-106281.1413	927697.3170250766	-92.72211449323166	-101.1754659	812738.2120894239	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
403	206	152103	-105621.1413	927697.3170250766	-92.72212889043758	-101.1731309	812939.2496644077	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
404	206	152104	-104961.1413	927697.3170250766	-92.72213588943596	-101.170958	813140.2561564905	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
405	206	152105	-104301.1413	927697.3170250766	-92.72214288953363	-101.168476	813341.2636144428	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
406	206	152106	-103641.1413	927697.3170250766	-92.72214991344825	-101.1661257	813542.3585905948	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
407	206	152107	-102981.1413	927697.3170250766	-92.72215572	-101.1637907	813743.3945343549	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
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410	206	152110	-101001.1413	927697.3170250766	-92.72217811526615	-101.1567855	814346.5012723381	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
411	206	152111	-100341.1413	927697.3170250766	-92.72218514953363	-101.1544915	814547.53849874	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
412	206	152112	-99681.1413	927697.3170250766	-92.7221921846074	-101.1521154	814748.5715214777	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
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415	206	152115	-97701.1413	927697.3170250766	-92.72221266552496	-101.1451103	815351.6754238334	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
416	206	152116	-97041.1413	927697.3170250766	-92.7222187206063	-101.1427752	815552.7095634232	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
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420	206	152120	-94401.1413	927697.3170250766	-92.72224488126876	-101.133435	816356.8453974837	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
421	206	152121	-93741.1413	927697.3170250766	-92.72225131722266	-101.1310999	816557.87890877	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
422	206	152122	-93081.1413	927697.3170250766	-92.72225771024115	-101.1287649	816758.912041391	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
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425	206	152125	-91101.1413	927697.3170250766	-92.72227681930768	-101.1217687	817360.743193016	4369591.612403784	3261.929535133882	31.5754085725902	3063.4978151349533	3063.8014419574674	82.25627059004859	91.9526476834433
426	206	152126	-90441.1413	927697.3170250766	-92.72228376713027	-101.1194227	817563.043	4369591.612403784	3261.929535133882	31.				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtElev.ft	SatHtBot.ft
500	201209	-35661.14133	927697.3170250766	39.422640448819486	-100.9256137	334248.1403062920	4365484.298819153	31.1129917241248	291.3523379785141	2881.307587909826	2876.5944928971076	2876.5945600686834	74.65874508140678	
510	20120	-35001.14133	927697.3170250766	39.42264535050528	-100.9232877	334418.5951618494	4365444.27770006	31.118467537361184	294.7938270089865	2877.35546552477	2877.654037444957	74.3384045447113	78.139789564101	
511	20121	-34341.14133	927697.3170250766	39.42264533093684	-100.9269831	334565.1786643436	4365440.23673458	31.081164821787704	294.8257478181683	2874.48615483715	2874.86231427084	74.383231427084	79.82913827193686	
512	20122	-33661.14133	927697.3170250766	39.422645755518	-100.9180385	334851.1945901719	4365436.236093268	31.06108326500262	294.684623442962	2869.550011707738	2869.550011707738	72.896232355833	85.59649099	
513	20123	-33021.14133	927697.3170250766	39.42264893691929	-100.9162734	335052.2123632693	4365432.216	31.10320292596634	294.5362080232625	2865.8519338106935	2865.570427248357	79.51014642866899	85.7916259990528	
514	20124	-32361.14133	927697.3170250766	39.42265207117616	-100.9139383	335253.2296753094	4365428.19582448	31.09219133500663	294.3865734692546	2860.393853760266	2867.122117025266	81.3530453922973	86.7436224	
515	20125	-31701.14133	927697.3170250766	39.42265260325764	-100.9116032	335454.2742483806	4365424.171541682	31.0923592561927	285.6884673975467	2853.785823864078	86.76076935	88.6002843678932	88.6002843678932	
516	20126	-31041.14133	927697.3170250766	39.422656403368134	-100.9059262	335655.2647076506	4365420.155237358	30.94287679692073	294.0426274539432	2841.080172176443	2849.82860396524	86.76076935	91.0145034831929	
517	20127	-30381.14133	927697.3170250766	39.42265830303275	-100.9068831	335856.2615353468	4365416.1355353468	30.94287679692073	294.0426274539432	2841.080172176443	2849.82860396524	86.76076935	91.0145034831929	
518	20128	-29721.14133	927697.3170250766	39.4226595711313	-100.904548	336057.2986251835	4365412.11603594	30.88552707879337	293.7078085232317	2847.22441255914	2847.91405642738	90.555445671236	89.860211508728	
519	20129	-29061.14133	927697.3170250766	39.42266256585174	-100.9026289	336258.3156368787	4365408.096738837	30.88552707879337	293.7078085232317	2847.22441255914	2847.91405642738	90.555445671236	89.860211508728	
520	201220	-28401.14133	927697.3170250766	39.422665429465074	-100.8999278	336459.3329242341	4365404.07764284	30.8423516820571	293.4685407312015	2840.623379473583	2840.623379473583	94.0620784	94.5387286802864	
521	201221	-27741.14133	927697.3170250766	39.4226674497115	-100.8975828	336660.348	4365400.05875029	30.82134757556034	293.312550735107	2839.7343568832	2839.380136548914	93.90212506475476	94.5387286802864	
522	201222	-27081.14133	927697.3170250766	39.4226683136995	-100.8952577	336861.3651261514	4365396.04062162	30.803907168821185	293.1507620421184	2841.102586821185	2841.078375884617	94.0454752	95.078685180566	
523	201223	-26421.14133	927697.3170250766	39.42267014966147	-100.8929226	337062.38013401256	4365387.115274675	30.7836884182521	292.939732642376	2843.12567324744	2843.12567324744	96.048567676565	95.85405939876318	
524	201224	-25761.14133	927697.3170250766	39.4226719328457	-100.8909785	337263.3972371515	4365380.03039662	30.76307812578698	292.8394318259933	2845.491853292942	2845.491853292942	92.90245113305126	92.90245113305126	
525	201225	-25101.14133	927697.3170250766	39.42267376092269	-100.8882524	337464.41318512766	4365383.985206809	30.742266333259	292.681635046996	2844.108985	2844.544213496706	92.692649083836	92.692649083836	
526	201226	-24441.14133	927697.3170250766	39.42267536392374	-100.8859173	337665.42888567	4365379.96732411	30.7214574808168	292.52224340469	2840.31635796379	2840.31635796379	84.7125424749958	84.7125424749958	
527	201227	-23781.14133	927697.3170250766	39.42267701175478	-100.8835823	337866.4443423883	4365375.9468361	30.69834917584397	292.359936801296	2836.80526559304	2836.79246938294	86.795410673547	86.8034675	
528	201228	-23121.14133	927697.3170250766	39.422678614509884	-100.8812472	338067.4582223496	4365371.93127248	30.67294273807543	292.182457050365	2833.68584832223	2833.6179107153403	88.246622174818	88.246622174818	
529	201229	-22461.14133	927697.3170250766	39.42268017215767	-100.8789121	338268.475053107	4365367.91499261	30.647395	292.0315496232452	2830.59069863731	2830.591038308266	89.7005988904189	89.7005988904189	
530	201230	-21801.14133	927697.3170250766	39.42268168	-100.876577	338469.4901267045	4365363.89781295	30.621296826155	291.8239675374185	2827.68959203087	2827.68959203087	91.0431085330578	91.0431085330578	
531	201231	-21141.14133	927697.3170250766	39.42268312897612	-100.8742438	338670.5912589154	4365360.88086447	30.5991038207174047	291.63927717554	2824.948142852517	2824.948142852517	92.612269268274	92.612269268274	
532	201232	-20461.14133	927697.3170250766	39.42268457	-100.8719058	338871.51903275	4365355.86429297	30.561227405585	291.515408085846	2821.558211125545	2821.558211125545	93.863776880304	93.863776880304	
533	201233	-19821.14133	927697.3170250766	39.4226861675981	-100.8695717	339072.53406519	4365351.87482845	30.53746037215063	291.3799069519526	2818.316226735446	2818.2266503836503	95.45274638	95.45274638	
534	201234	-19161.14133	927697.3170250766	39.4226872837871	-100.8672367	339273.548853704	4365347.83	30.5137379462508	291.213816134397	2815.063056746711	2815.063178216674027	97.075104472866	97.075104472866	
535	201235	-18501.14133	927697.3170250766	39.42268870971919	-100.8649016	339474.6531446247	4365343.815073915	30.49439150444173	291.0469150044173	2812.270793710172	2812.089784664405	98.3846059773403	98.3846059773403	
536	201236	-17841.14133	927697.3170250766	39.422689812687884	-100.8625965	339675.577279635	4365339.79965073	30.44999960323	290.8791958	2811.0133452836	2811.09538041928	97.5816251815403	97.5816251815403	
537	201237	-17181.14133	927697.3170250766	39.42269123897612	-100.8602814	339876.5912589154	4365335.89781295	30.4276884182521	290.63927717554	2809.948142852517	2809.948142852517	98.542076875527	98.542076875527	
538	201238	-16521.14133	927697.3170250766	39.42269265115923	-100.8577993	340077.6050296343	4365331.7887209	30.405276008112505	290.4211684845415	2812.38695651938	2812.38695651938	99.030509840927	99.030509840927	
539	201239	-15861.14133	927697.3170250766	39.4226936773394	-100.8556162	340278.6187511862	4365327.73931646	30.38546965805657	290.36778144265	2812.609197471653	2812.8673154181242	91.0785286731181	91.0785286731181	
540	201240	-15201.14133	927697.3170250766	39.42269543290135	-100.8532262	340479.6326454635	4365323.738234334	30.361551733705108	290.196103063663	2812.5336540641	2812.5336540641	95.85405939876318	95.85405939876318	
541	201241	-14541.14133	927697.3170250766	39.422696345561394	-100.8508911	340680.6456302944	4365319.72397322	30.3466521	290.022466761426	2812.17231612676	2812.17231612676	98.005096634104	98.005096634104	
542	201242	-13881.14133	927697.3170250766	39.42269831681415	-100.848556	340881.658268239	4365315.70373243	30.32471219851202	289.8472041625232	2811.7402529099074	2811.83206846515	86.76076935	86.76076935	
543	201243	-13221.14133	927697.3170250766	39.422699724295959	-100.8462029	341082.67618713534	4365311.694311672	30.3105973924273	289.61793656618	2810.5899411310914	2810.5899411310914	91.0431085330578	91.0431085330578	
544	201244	-12561.14133	927697.3170250766	39.422698123897612	-100.8438985	341283.684711693	4365307.68072201	30.29435951740447	289.43519836272	2809.948142852517	2809.948142852517	92.612269268274	92.612269268274	
545	201245	-11901.14133	927697.3170250766	39.42269859862678	-100.8415057	341484.698170552	4365305.1210427416	30.281924047185	289.16984431074	2808.16984431074	2808.16984431074	93.863776880304	93.863776880304	
546	201246	-11241.14133	927697.3170250766	39.42269975	-100.8392156	341685.701914886	4365299.65219742	30.265693679887	291.37139018172	2806.90287279729	2806.90287279729	94.685129016295	94.685129016295	
547	201247	-10581.14133	927697.3170250766	39.4227004646825	-100.8368806	341886.7235822587	4365295.63684926	30.246709655646	289.581359072032	2805.845145974597	2805.8057393146415	97.075104472866	97.075104472866	
548	201248	-9921.141327	927697.3170250766	39.42270119707698	-100.8345455	342087.73491255945	4365291.62134178	30.2248930679944	289.40039513402	2804.590377688696	2804.590377688696	98.3846059773403	98.3846059773403	
549	201249	-9261.141327	927697.3170250766	39.42270185257833	-100.8322104	342288.740392842	4365287.611905582	30.205960969525	288.614333439936	2803.879208281186	2803.879208281186	99.030509840927	99.030509840927	
550	201250	-8601.141327	927697.3170250766	39.4227024972739	-100.8298753	342489.795129629	4365283.5988791445	30.20476871171056	288.4277956235048	2802.96278	2802.96278	99.030509840927	99.030509840927	
551	201251	-7941.141327	927697.3170250766	39.42270325991414	-100.8274838	342690.795129629	4365279.5988791445	30.20476871171056	288.4277956235048	2802.96278	2802.96278	99.030509840927	99.030509840927	
552	201252	-7281.141327	927697.3170250766	39.42270354843847	-100.8250251	342891.78250200395	4365275.18418571515	30.20476871171056	288.4277956235048	2802.96278	2802.96278	99.030509840927	99.030509840927	
553	201253	-6621.141327	927697.3170250766	39.42270402351408	-100.8228701	343092.7940171774	4365271.05102638	30.1937339782278	288.78535224746006	2800.70951958131	2800.70951958131	97.075104472866	97.075104472866	
554	201254	-5961.141327	927697.3170250766	39.4227045437516	-100.820535	343293.80581327	4365267.54879471	30.17232506700304	287.7052158727503	2800.038181498053	2800.038181498053	97.075104472866	97.075104472866	
555	20													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatHLogs.kg.ft	SatHBoth.kg.ft
529	152338	47498.85867307335	927697.3170250766	39.42258947920753	-100.6313932	359575.23934779037	4364943.22957079	2923.9639709054395	2732.8367895398964	2666.704999	26.760595849898216	27.13178674042638	47.74124749050481	
636	152338	48158.85867307335	927697.3170250766	39.422586210375144	-100.629681	359776.2388733053	4364939.234	2916.874569860043	2721.714006858168	2665.879635111344	26.77802759376176	26.832765474534426	43.90964121	
637	152337	48178.85867307335	927697.3170250766	39.4225864365964	-100.629231	359877.2387116787	4364935.23842321	2912.585812522498	2716.35362589682714	2664.87168623514076	26.7835362589682714	26.81968621686336	43.23277780748576	
638	152338	48475.85867307335	927697.3170250766	39.42257653738907	-100.628389	360178.2387104313	4364931.24315164	2906.8957681310508	2714.45866816474	2662.8306721284841	26.75241805411588	26.84219353163295	42.03677980231432	
639	152338	50138.85867307335	927697.3170250766	39.42257613233534	-100.6220529	360379.2386556288	4364927.248	2904.2524456409362	2711.351930428362	2660.654838389113	26.688595752746710	26.84738024059616	46.347373	
640	152340	50798.85867307335	927697.3170250766	39.42257676387454	-100.6197178	360580.238659563486	4364923.253214064	2898.3341858840034	2713.206278816259	2657.830198732467	26.6418935026012207	26.81526875503616	51.3128675503616	
641	152341	51458.85867307335	927697.3170250766	39.4225691860662	-100.6173828	360781.2348012726	4364919.25854702	2894.525255340076	2711.081948511001	2654.780126773363	26.655181837515889	26.8016204779683	55.26357663712285	
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643	152343	52718.85867307335	927697.3170250766	39.4225626554969	-100.6127126	361183.2322102598	4364907.25522498	2888.8394475989179	2706.8325504352870	2648.1925142870717	26.65583754528917	26.81526875503616	51.194298235396	
644	152344	54398.85867307335	927697.3170250766	39.422561037577	-100.6103779	361384.2301740152	4364907.275754809	2888.819359503693	2704.703565641214	2646.8712625630984	26.65180303325992	26.828931019128515	52.85542261652051	
645	152345	54098.85867307335	927697.3170250766	39.4225547106427	-100.6080425	361585.229084292	4364903.281893059	2888.81844202808	2702.578725566757	2644.367523	26.627086963891878	26.8211021846595	49.7978291886779	
646	152346	54758.85867307335	927697.3170250766	39.42255104116099	-100.6057074	361786.2272310954	4364899.288	2888.8229125172727	2700.419110387226	2641.7435595689094	26.655969629322314	26.817455081813664	44.14674174640008	
647	152347	55418.85867307335	927697.3170250766	39.42254727615068	-100.6033723	361987.225448234	4364894.294773544	2888.831725405673	2698.3912202245837	2639.2718650827336	26.656335905165008	26.80453713563009	41.96332540565755	
648	152348	56078.85867307335	927697.3170250766	39.4225346603334	-100.6013072	362188.223395614	4364891.301515737	2887.524875	2696.1834913847924	2636.8854502753316	26.656404145317319	26.80453713563009	39.7303685342095	
649	152349	56738.85867307335	927697.3170250766	39.42253396108985	-100.5987022	362389.2212336806	4364887.304895212	2886.65029593447	2694.047054313513	2634.6824702596288	26.65456409227655	26.80453713563009	39.4924445889878	
650	152350	57398.85867307335	927697.3170250766	39.42253517041753	-100.5963671	362590.2189322237	4364883.31525496	2885.791166164834	2691.907786510484	2632.4245590242745	26.64245560823327	26.80453713563009	49.44821000507665	
651	152351	58058.85867307335	927697.3170250766	39.42253176503906	-100.594032	362791.2165124476	4364879.322499848	2883.84780288217	2689.911045589527	2631.7777120849	26.641032284141	26.81332855747283	55.1970130178677	
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653	152353	59378.85867307335	927697.3170250766	39.422523738841164	-100.5893619	363193.2112627603	4364871.33825798	2882.767490341927	2686.2381789091463	2632.925734084245	26.634182221382056	26.81510535376284	51.894520989771	
654	152354	60038.85867307335	927697.3170250766	39.42251965808174	-100.5870268	363394.2084402628	4364867.36419571	2881.784391309053	2684.3940119218986	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
655	152355	60698.85867307335	927697.3170250766	39.42251532215122	-100.5846917	363595.2048626437	4364863.35436574	2881.784391309053	2687.734776602174	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
656	152356	61338.85867307335	927697.3170250766	39.422511361214824	-100.5823566	363796.204009759	4364859.36259805	2881.784391309053	2689.671870268823	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
657	152357	61978.85867307335	927697.3170250766	39.4225071451514028	-100.5800216	363997.19819458687	4364855.37252498	2881.784391309053	2691.58712522498	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
658	152358	62678.85867307335	927697.3170250766	39.4225028397404	-100.577665	364198.1953734195	4364851.38006897	2881.784391309053	2693.477131560115	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
659	152359	63388.85867307335	927697.3170250766	39.42249888	-100.5753514	364399.1923954052	4364847.38862743	2881.784391309053	2695.3647131560115	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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661	152361	64658.85867307335	927697.3170250766	39.42248978977019	-100.5708613	364801.1850112324	4364839.40477991	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
662	152362	65318.85867307335	927697.3170250766	39.4224853815504	-100.5683462	365002.1811	4364835.417037373	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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664	152364	66548.85867307335	927697.3170250766	39.42247639693038	-100.5636714	365404.1701676044	4364825.43760014	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
665	152365	67298.85867307335	927697.3170250766	39.42247170268304	-100.561341	365605.1687980215	4364823.4462543	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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667	152367	68618.85867307335	927697.3170250766	39.42246250347553	-100.5566709	366007.159856194	4364815.467851526	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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669	152369	69938.85867307335	927697.3170250766	39.42245303	-100.5520007	366408.1505479874	4364807.48985065	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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671	152371	71258.85867307335	927697.3170250766	39.42244338	-100.5473036	366811.1405061028	4364799.512122927	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
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673	152373	72578.85867307335	927697.3170250766	39.4224335333607	-100.5426604	367213.1301609507	4364791.55432629	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
674	152374	73238.85867307335	927697.3170250766	39.422428570432956	-100.5403254	367414.12474863284	4364787.54345393	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
675	152375	73898.85867307335	927697.3170250766	39.4224234242843	-100.5379903	367615.119207778	4364783.559697027	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
676	152376	74558.85867307335	927697.3170250766	39.4224184	-100.5356552	367816.1153973131	4364779.57188495	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
677	152377	75218.85867307335	927697.3170250766	39.42241351109899	-100.533316	368017.124704007	4364775.59567254	2881.784391309053	2699.145779841947	2632.483658048323	26.634182221382056	26.81510535376284	51.894520989771	
678	152378	75878.85867307335	927697.3170250766	39.4224081777621	-100.5309551	368218								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatThBoth.f
21	207	154261	-357471.1413	928357.3170250766	39.41789301506051	-102.0650903	326132.1414261947	4367636.235588027	3928.7327101909564	3703.2971708012873	3624.24612699483496	3624.246150505629	78.83590013	79.05101958
22	207	154262	-357081.1413	928357.3170250766	39.41791470447882	-102.0675516	326333.2625730306	4367632.114460419	3926.006441616112	3702.0089475214443	3622.22297342381	3622.2213505423697	79.78058640976326	79.83558332447429
23	207	154263	-356421.1413	928357.3170250766	39.41784163081212	-102.0664208	326534.39345821106	4367627.944	3924.0680697632618	3700.731738252298	3610.5441728434373	3620.3626475311338	81.16737320896487	80.335389106761
24	207	154264	-355761.1413	928357.3170250766	39.4176661502771	-102.0588061	326755.50408281781	4367623.873	3922.74521433983	3699.4669965748066	3616.6299809748066	3619.9318915263767	79.72781053600494	79.72781053600494
25	207	154265	-355101.1413	928357.3170250766	39.41799044615817	-102.0557514	326936.61446428763	4367619.7523159515	3920.9142162806793	3698.214606562555	3613.3410494042448	3618.511611853626	84.8735571831046	79.7034371719262
26	207	154266	-354441.1413	928357.3170250766	39.41801469119266	-102.0534166	327137.74454483763	4367615.3203138965	3920.0892229733757	3696.976222	3609.8732208901038	3617.174566495143	87.10300142164624	79.26465734532742
27	207	154267	-353781.1413	928357.3170250766	39.41803889	-102.0510819	327338.8649131837	4367611.51918203	3917.501233	3695.7516927519337	3608.3816928482624	3617.178020599337	89.36999995107	78.57367125404212
28	207	154268	-353121.1413	928357.3170250766	39.41806304597327	-102.0487472	327539.98397298594	4367607.392	3915.613326243215	3694.540647798344	3602.9617776505298	3617.5759077210632	91.57880714711404	76.961470728056
29	207	154269	-352461.1413	928357.3170250766	39.41808715671195	-102.0464125	327741.10329472657	4367603.272354912	3908.74375770051	3693.343461066815	3598.772901	3618.75471770108	93.570584986869	74.5857462986897
30	207	154270	-351801.1413	928357.3170250766	39.41811122	-102.0440777	327942.2223555117	4367599.152699292	3905.9003551157563	3692.158800502351	3597.0683186272305	3622.4428242321802	95.094918740201	69.71555818017067
31	207	154271	-351141.1413	928357.3170250766	39.4181353953474	-102.041743	328143.2316586813	4367596.03396969	3904.189311750502	3690.3845104428327	3595.015343	3615.7196844825	96.9671677069282	75.2683135900786
32	207	154272	-350481.1413	928357.3170250766	39.41815921439201	-102.0394082	328344.4589012428	4367590.915	3904.646643643537	3689.8205962574493	3593.70321891383	3604.698053593812	97.1129069124028	85.122659336427
33	207	154273	-349821.1413	928357.3170250766	39.41818314735292	-102.0370735	328545.5780846258	4367586.796575418	3905.0081004414396	3688.66687414396	3593.057920962557	3597.280406186027	95.608866114627	91.3861827933293
34	207	154274	-349161.1413	928357.3170250766	39.41820702801746	-102.0347388	328746.69610890906	4367582.700712414	3905.5253695195748	3687.5224019011725	3592.8295110125196	3592.51110327323	94.69289177997648	95.0112915297976
35	207	154275	-348501.1413	928357.3170250766	39.41823087618553	-102.032404	328947.8137429754	4367578.55851974	3904.466502214815	3686.3749693257495	3592.745556132658	3599.680595173438	95.6418131970887	96.0740641562662
36	207	154276	-347841.1413	928357.3170250766	39.4182546125711	-102.030093	329148.381381016	4367574.440340498	3901.90314496719	3685.26132259141	3592.52721982369	3596.729724001758	92.7341075044944	98.5315985838353
37	207	154277	-347181.1413	928357.3170250766	39.418278410232155	-102.0277348	329350.0486269898	4367570.32208138	3899.340327778626	3684.143255289017	3591.857639999993	3579.343023453027	92.18565125890345	104.802220898401
38	207	154278	-346521.1413	928357.3170250766	39.4183021411062	-102.0253998	329551.16591626044	4367566.20420471	3896.777420556338	3683.02616295134	3591.0075799061406	3570.64115580064	92.7563033889361	112.31946333704775
39	207	154279	-345861.1413	928357.3170250766	39.41832577289466	-102.0230651	329752.2823512028	4367562.06662284	3893.560219170855	3681.926876789774	3589.628691016817	3559.13732591465	92.2999666316053	122.7913150885122
40	207	154280	-345201.1413	928357.3170250766	39.418343953677624	-102.0207303	329953.3868527916	4367558.98986299	3889.68048614134	3680.83072336623	3587.85969763955	3542.07015601447	92.9747537	138.7065307764784
41	207	154281	-344541.1413	928357.3170250766	39.4183695166085	-102.0183956	330154.5104174715	4367555.85204178	3885.818037794575	3679.73954809516	3585.96035394036	3546.70606065875	93.7799542505893	144.0334874300144
42	207	154282	-343881.1413	928357.3170250766	39.4183964796577	-102.0160608	330355.6107016126	4367549.7352426151	3881.9473437106735	3678.649574872582	3583.893768856217	3543.39752	94.7550058547654	135.25207027178002
43	207	154283	-343221.1413	928357.3170250766	39.4184229636747	-102.013728	330556.674824637	4367545.68403217	3878.745487486437	3677.62854234815	3582.4023243815	3542.84118301977	95.8464731948406	119.846404271644
44	207	154284	-342561.1413	928357.3170250766	39.41844330950674	-102.0113913	330757.8621740548	4367541.501857485	3877.33877700302	3676.47548585585	3579.5018338205677	3543.825207947611	92.8196055078886	132.650549382455
45	207	154285	-341901.1413	928357.3170250766	39.4184667785181	-102.0090566	330958.9773352464	4367537.5561780522	3875.556718608522	3675.415130337065	3577.195969571562	3544.205426741102	98.2629176501535	131.2160489586298
46	207	154286	-341241.1413	928357.3170250766	39.41849012165599	-102.0067218	331100.0265625412	4367533.26939308	3873.77466017748	3674.3560276658113	3574.804954725937	3545.324972	90.95107294	120.0105547005134
47	207	154287	-340581.1413	928357.3170250766	39.41851342	-102.004387	331361.2089414928	4367529.15329618	3871.55236674585	3673.306459284555	3572.313232147746	3545.2492412676592	99.353161507106	128.0572303079728
48	207	154288	-339921.1413	928357.3170250766	39.4185369723338	-102.0020253	331562.3241	4367525.037666124	3868.892538	3672.6040338553	3569.67204038553	3548.62738303625	102.59225424110017	123.6390928629994
49	207	154289	-339261.1413	928357.3170250766	39.4185605893647	-101.9997175	331763.4358193474	4367521.320809581	3866.2318955197347	3671.228610714207	3568.40038683394	3552.008395663395	104.286201413077	119.817497387632
50	207	154290	-338601.1413	928357.3170250766	39.41858304310214	-101.997328	331954.45298678	4367518.90657784	3863.568107	3670.44625821817	3567.63949682427	3551.85162144938	106.10913214928169	120.732104802815
51	207	154291	-337941.1413	928357.3170250766	39.41860616072126	-101.995048	332165.6630812162	4367516.92152297	3859.640207	3669.135807894167	3561.178212968517	3554.565771219616	107.795492551542	114.5882307654478
52	207	154292	-337281.1413	928357.3170250766	39.4186292332487	-101.9927132	332366.7671718586	4367516.576527629	3856.05028408908	3568.32081921251	3558.80505246702	3550.7260447963675	118.2147176220574	120.732104802815
53	207	154293	-336621.1413	928357.3170250766	39.41865226066724	-101.9903785	332567.88661798282	4367514.641841802	3848.05816830929	3566.89224511733	3555.85142826738	3546.1556826921075	118.014962540350	120.732104802815
54	207	154294	-335961.1413	928357.3170250766	39.41867524	-101.9880437	332769.025033217	4367500.347	3845.76189702293	3565.94925192972	3553.972491094875	3545.5312539135	115.65400495599	124.073182638372
55	207	154295	-335301.1413	928357.3170250766	39.418698106224034	-101.9857808	332970.1513488085	4367502.22995471	3841.2505175840124	3563.257256460224	3553.037285814438	3539.2933734930785	111.21987102521472	124.9638769249486
56	207	154296	-334641.1413	928357.3170250766	39.41872170235328	-101.9833472	333177.2275113326	4367501.19881481	3837.46118207976	3562.4202343815	3551.8518204891	3542.84118301977	119.846404271644	120.732104802815
57	207	154297	-333981.1413	928357.3170250766	39.4187439189127	-101.9810384	333372.3396335678	4367488.00479712	3831.68051835407	3561.368367327634	3550.576751572833	3545.499232	111.7901725049183	108.7065105129933
58	207	154298	-333321.1413	928357.3170250766	39.41876671232871	-101.9787046	333574.5515557578	4367483.891	3831.89326959043	3559.898391925977	3548.8630281001006	3568.671458471391	111.0335362587708	91.226934545629
59	207	154299	-332661.1413	928357.3170250766	39.418789478168634	-101.9763698	333774.56311505757	4367479.77776636	3828.79191292653	3548.43054750793	3546.95261991855	3545.575857912437	96.24690554764	120.732104802815
60	207	154300	-332001.1413	928357.3170250766	39.418812189911016	-101.9740351	333975.6474600554	4367475.66484731	3835.15444327304	3556.963570572	3544.904777042173	3593.530450511717	112.06282834639878	93.6356025885487
61	207	154301	-331341.1413	928357.3170250766	39.41883846	-101.9717003	334174.785852867	4367471.55140438	3830.59524964166	3555.5120201379514	3542.4960451697343	3591.847753815818	113.015974982170	63.66426619493446
62	207	154302	-330681.1413	928357.3170250766	39.418865748	-101.9693365	334377.8946327598	4367467.439	3826.075272295056	3546.06633613721	3540.2099637561323	3549.7627206798194	115.85537256113887	74.9460821907475
63	207	154303	-330021.1413	928357.3170250766	39.41889265452327	-101.9669822	334579.0169456151	4367463.366151	3823.084972798877	3544.142362086713	3541.1821629493	3547.678981584685	122.7984732044476	119.817497387632
64	207	154304	-329361.1413	928357.3170250766	39.41891028590407	-101.9646599	334780.1137841852	4367459.21391335	3820.10422550248	3551.2051159055	3538.6334432794	3549.774677077794	115.817316151580626	110.7613151580626
65	207	154305	-328701.1413	928357.3170250766	39.4189250715801	-101.9623611								

ix	iy	Xc	Yc	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.	W.L.	BRfElevKgr.f	BRfElevKgr.f	SurfThk.f	SurfBot.f
147	107	152587	-274581.1413	923537.3170250766	39.20615473350566	-01.7709042	46117.41510110832	43671.18596682008	3675.0469139126603	35.03703703813038	3329.7106861289353	3340.629221743206	162.40718409883206
148	107	152588	-273921.1413	923537.3170250766	39.20623421634778	-01.7689483	261672.0340588175	43671.1504455729	370.9634318499697	3501.1339611465337	3335.0578482327354	3348.730020436194	156.40811534151532
149	107	152589	-273261.1413	923537.3170250766	39.2063291424387	-01.7662486	261672.9484503309	43671.1040848356	3668.88172587772734	3499.269685396239	3341.9484862849558	3350.7895654931216	157.43381308830844
150	107	152590	-272601.1413	923537.3170250766	39.2067516703888	-01.7638895	262074.6830074593	43671.131711993	3662.799131770192	3497.429592385192	3345.984765992193	3348.52663229857	151.202405122822
151	107	152591	-271941.1413	923537.3170250766	39.20680717473275	-01.7615646	262275.7703382475	43671.0217159929	3657.435413052182	3495.622786	3346.0145274706406	3368.95972178757	149.6082587847095
152	107	152592	-271281.1413	923537.3170250766	39.20708737325405	-01.7592297	262476.86193628237	43670.9812280562	3650.79056977014	3488.847614517805	3342.8137720115637	3368.09332656988	151.08320562411
153	107	152593	-270621.1413	923537.3170250766	39.2072725841862	-01.7569848	262677.9505868871	43670.942865856	3644.145758468242	3492.1304110591486	3337.614356682375	3368.02036723693	154.489054420911
154	107	152594	-269961.1413	923537.3170250766	39.2074572270701	-01.7545599	262770.3029266951	43670.989347135415	3637.5008823059642	3490.3897172243075	3331.261693502963	3368.06879405769	159.128023716731
155	107	152595	-269301.1413	923537.3170250766	39.2076214243887	-01.7522525	262860.1272280165	43670.954976969	3633.424561706775	3488.702001335161	3324.448582648958	3367.4786276078384	164.253415487106384
156	107	152596	-268641.1413	923537.3170250766	39.2078323669344	-01.7498901	263281.2151803474	43670.917443305	3628.908969649476	3487.0367288798	3317.631814335894	3350.291705574346	169.4091453410232
157	107	152597	-267981.1413	923537.3170250766	39.2080087376964	-01.7475552	263482.302069381	43670.8756116376	3625.3975025058404	3485.391550038799	3311.379385145194	3322.3366548551107	174.01216489306815
158	107	152598	-267321.1413	923537.3170250766	39.2081916575440	-01.7452203	263683.390386865	43670.7756094991	3621.8851441649736	3483.7655119197025	3305.737830544434	3317.0051141127971	178.02768173526846
159	107	152599	-266661.1413	923537.3170250766	39.2083741263779	-01.7428854	263884.477567979	43670.68408878846	3616.687731180984	3482.159374	3300.6521174849804	3307.10533833938	175.05725868059576
160	107	152600	-266001.1413	923537.3170250766	39.2085614428724	-01.7405505	264085.564738063	43670.605375	3608.805621129255	3480.5737304635623	3296.1702063128562	3296.1702063128562	184.4001673277432
161	107	152601	-265341.1413	923537.3170250766	39.2087371710909	-01.7382156	264286.6516786667	43670.56126961014	3602.822832	3478.972504076995	3292.2412519764425	3285.3471367052987	186.7595984
162	107	152602	-264681.1413	923537.3170250766	39.208918268793	-01.7358807	264487.73813710245	43670.5119061147	3596.040382740373	3477.443355031551	3289.992711654874	3274.41040211215707	187.45038306306
163	107	152603	-264021.1413	923537.3170250766	39.2090984916518	-01.7335458	264688.8246479227	43670.468846888	3585.587608475441	3475.907938253418	3290.2075342366584	3260.537383086795	185.7004401675942
164	107	152604	-263361.1413	923537.3170250766	39.20929797054083	-01.7312108	264889.9106	43670.40906573704	3595.554510040467	3474.390112253423	3292.979215	3244.412593922615	181.41097636822217
165	107	152605	-262701.1413	923537.3170250766	39.2094594681484	-01.7288759	265090.964234514	43670.441894367	3597.54141650403	3472.888371	3297.643025467886	3271.7007039194	175.24534557292058
166	107	152606	-262041.1413	923537.3170250766	39.2096387798717	-01.726541	265292.0821	43670.4032613297	3591.581317170393	3471.399516631036	3302.3308785309405	324.259890507457	189.068380721634
167	107	152607	-261381.1413	923537.3170250766	39.209817604577	-01.7242061	265493.167454011	43670.36372314418	3598.63235036252	3469.22464900174	3307.793535	3238.037689593535	162.127097
168	107	152608	-260721.1413	923537.3170250766	39.2099550520667	-01.7218712	265694.256222443	43670.3241670606	3594.883442605003	3468.45582252095	3313.742004038723	3243.287397585121	156.7169064083
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170	107	152610	-259401.1413	923537.3170250766	39.210305115165004	-01.7172013	266096.422545894	43670.2449556727	3587.35680903815	3445.5333707518	3325.984047472085	3248.634369661107	159.5582891010268
171	107	152611	-258741.1413	923537.3170250766	39.2105285732248	-01.7148664	266297.5087382186	43670.20361095937	3582.402276760486	3464.091589174828	3322.023165307813	3271.2801974140566	132.668238710406
172	107	152612	-258081.1413	923537.3170250766	39.210770517884026	-01.7125315	266498.590833502	43670.1627889497	3576.238201982697	3464.64127680691	3319.35864324074	3266.688511523834	124.687412429009
173	107	152613	-257421.1413	923537.3170250766	39.2109833343666	-01.7019166	266699.674988678	43670.121881926	3560.056176	3461.915149176266	3342.7842962924215	3203.787038	157.4044781619967
174	107	152614	-256761.1413	923537.3170250766	39.211105703701365	-01.7078817	266900.75878014154	43670.089893474	3563.874150851413	3459.741410657342	3346.554352	3218.219654871818	131.1870590237223
175	107	152615	-256101.1413	923537.3170250766	39.2112446828837	-01.7055287	267104.8423337154	43670.0430933881	3561.911688429525	3458.2806729833625	3348.134888625	3224.287397585121	136.15563268837
176	107	152616	-255441.1413	923537.3170250766	39.2114098710984	-01.7031718	267302.1561600405	43670.019292398	3554.1669307524013	3459.7423204079	3345.7423204079	3330.58962450775	130.65517727544375
177	107	152617	-254781.1413	923537.3170250766	39.21158144162455	-01.7008599	267504.0870520538	43670.036380379923	3568.42766232766	3455.380207364186	3330.203161208148	3329.4804210281175	116.17040615603861
178	107	152618	-254121.1413	923537.3170250766	39.21176852112024	-01.6985219	267705.09161447074	43669991.742	3567.29546463619	3453.920091822518	3333.366916176273	3326.488728	120.5539030097448
179	107	152619	-253461.1413	923537.3170250766	39.2119287895949	-01.696187	267906.172489345	4366987.652887072	3573.25366927264	3452.26544944929	3327.76560955517	3323.023425750235	124.698759884919
180	107	152620	-252801.1413	923537.3170250766	39.21211017870478	-01.6938521	268107.2566551174	4366983.564283579	3580.147530007123	3450.853305041465	3322.950415407416	3320.110158485547	120.5361459736074
181	107	152621	-252141.1413	923537.3170250766	39.2122744334792	-01.6915712	268308.3682323374	4366979.47858538	3587.041407869596	3449.508951824516	3318.788205	3318.0338465812164	129.2716446566245
182	107	152622	-251481.1413	923537.3170250766	39.212446828837	-01.6891827	268509.4027067169	4366973.7908328	3584.25345615689	3449.283783989232	3312.35192102766	3249.524871839892	130.65517727544375
183	107	152623	-250821.1413	923537.3170250766	39.21261807327504	-01.6868473	268710.5020556027	4366971.3	3582.01502843175	3446.504576843071	3317.57497987847	3316.16267568512	129.965778045297
184	107	152624	-250161.1413	923537.3170250766	39.2127860636316	-01.6845124	268911.538922766	4366967.12323541	3584.0647651399786	3445.04635452393	3317.211099317367	3317.1545925191845	127.8352403687238
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186	107	152626	-248841.1413	923537.3170250766	39.213130002973	-01.6798425	269313.746291863	4366959.30367216	3581.979137325063	3442.042115063264	3316.10330382383	3316.10330382383	125.9308112017354
187	107	152627	-248181.1413	923537.3170250766	39.2133001405906	-01.6775075	269514.8271001397	4366948.94906541	3580.3742307699597	3440.534630278423	3313.086161450592	3314.767391503346	125.44884884336357
188	107	152628	-247521.1413	923537.3170250766	39.213469529601	-01.6751726	269715.907810051	4366940.9624507	3577.059653377703	3439.02633414253	3313.7991121047056	3312.972203847476	125.37962309476204
189	107	152629	-246861.1413	923537.3170250766	39.2136426864045	-01.6728828	269916.826978193	4366932.94906541	3575.77881919385	3437.7281913151877	3312.93893193935	3312.93893193935	125.2281301151877
190	107	152630	-246201.1413	923537.3170250766	39.2138305632661	-01.6705027	270117.08116813416	4366924.89637804	3574.522280613789	3436.504263412366	3309.752302165314	3310.21075	125.1465243740752
191	107	152631	-245541.1413	923537.3170250766	39.21397499152086	-01.6681678	270319.1480612426	4366938.3603191977	3576.16525652413787	3434.599558	3307.9424263812502	3308.292125940336	126.6573177966296
192	107	152632	-244881.1413	923537.3170250766	39.21412457696056	-01.6658328	270520.227734528	4366934.57051349	3573.20239055156	3433.22487545688	3306.78653249871	3306.78653249871	126.8484303481708
193	107	152633	-244221.1413	923537.3170250766	39.21430971083495	-01.6634979	270721.30718144635	4366930.41115915	3570.02792575467	3431.968608416887	3303.72861395749344	3303.72861395749344	126.2299454939324
194	107	152634	-243561.1413	923537.3170250766	39.2144749393929	-01.6611629	270922.38640219625	4366925.345836595	3564.851878198786	3430.7625518679	3301.771944	3303.108925341973	126.09070855046875

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevLogsKrg	BRIElevLogsKrg	SatHtLogsKrg	SatHtBoth	
273	207	152713	-191421.1413	923537.3170250766	39.422621909244825	-101.4766991	686698.947877962	3466604.20343662	4959.794539	314.286422852551	321.954383569265	316.0478775183456	312.33029329162437	150.23845324320536
274	207	152714	-190761.1413	923537.3170250766	39.42263469252584	-101.474364	686720.00867167044	346660.151095672	4507.7726512511	310.407599267004	320.947531966242	316.30519181065924	312.606461007621	150.2967489041767
275	207	152715	-190019.1413	923537.3170250766	39.42264788415546	-101.47209	687209.071255424	346660.96393	3458.4316819257	310.415948132421	320.736984583037	315.871160746698	312.30810032027584	150.30879314633535
276	207	152716	-189441.1413	923537.3170250766	39.42266095395341	-101.469084	687410.132696004	346660.013003012	3453.60385196042	3309.280477047235	320.553298146222	316.52028228685	312.743682801016	144.0954557606867
277	207	152717	-188781.1413	923537.3170250766	39.42267387866439	-101.467359	687611.19379478646	346660.944303922	3451.773509720819	3307.6659324027546	320.545706630921	317.2723820893516	314.2085257183359	144.0954557606867
278	207	152718	-188121.1413	923537.3170250766	39.422686758234384	-101.4650239	687812.2575510094	346660.944303922	3448.945115551057	3306.054440025096	320.126380206627	317.8779217532327	314.7590638018468	128.16326174028586
279	207	152719	-187461.1413	923537.3170250766	39.42269879927147414	-101.4626889	688013.31549853284	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
280	207	152720	-186801.1413	923537.3170250766	39.42271238	-101.4603539	688214.3760375627	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
281	207	152721	-186141.1413	923537.3170250766	39.4227251053516634	-101.4580189	688415.496490928	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
282	207	152722	-185481.1413	923537.3170250766	39.42273752536174	-101.4556838	688616.496490928	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
283	207	152723	-184821.1413	923537.3170250766	39.42275007598984	-101.4533488	688817.5560457448	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
284	207	152724	-184161.1413	923537.3170250766	39.42276308855668	-101.4510138	689018.1611285614	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
285	207	152725	-183501.1413	923537.3170250766	39.422775625400904	-101.4486787	689219.6765125004	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
286	207	152726	-182841.1413	923537.3170250766	39.422788117156405	-101.4463437	689420.7349048436	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
287	207	152727	-182181.1413	923537.3170250766	39.42280064479582	-101.4440087	689621.7939902138	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
288	207	152728	-181521.1413	923537.3170250766	39.422813073341594	-101.4417678	689822.8526984004	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
289	207	152729	-180861.1413	923537.3170250766	39.42282545677323	-101.4393386	690023.9116404575	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
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292	207	152732	-178881.1413	923537.3170250766	39.4228623364369	-101.4323335	690627.0864	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
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294	207	152734	-177561.1413	923537.3170250766	39.4228879751598	-101.4276834	691029.2019071876	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
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302	207	152742	-172281.1413	923537.3170250766	39.422982519636257	-101.4089831	692637.65632457	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
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304	207	152744	-170961.1413	923537.3170250766	39.42300579602876	-101.404313	693039.7670604191	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
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306	207	152746	-169641.1413	923537.3170250766	39.42302907398641	-101.3996429	693441.877643296	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
307	207	152747	-168981.1413	923537.3170250766	39.42304064551973	-101.3973079	693642.9323318804	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
308	207	152748	-168321.1413	923537.3170250766	39.42305217194737	-101.3950278	693843.981416322	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
309	207	152749	-167661.1413	923537.3170250766	39.42306363299524	-101.3926738	694045.0194883064	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
310	207	152750	-167001.1413	923537.3170250766	39.42307509485526	-101.3903027	694246.0638782232	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
311	207	152751	-166341.1413	923537.3170250766	39.423086648096005	-101.3879677	694447.1505558384	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
312	207	152752	-165681.1413	923537.3170250766	39.423097826067071	-101.3856326	694648.2045316275	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
313	207	152753	-165021.1413	923537.3170250766	39.423109712749965	-101.3833275	694849.258659917	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
314	207	152754	-164361.1413	923537.3170250766	39.42312163329275	-101.3809625	695050.3118781839	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
315	207	152755	-163701.1413	923537.3170250766	39.42313357194737	-101.3786478	695251.44242541	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
316	207	152756	-163041.1413	923537.3170250766	39.42314527595614	-101.3763224	695452.4181953725	346660.79352932	3448.159621	3304.437369092851	319.0157511202847	318.0432310210227	316.04216449725636	128.16326174028586
317	207	152757	-162381.1413	923537.3170250766	39.42315738800									

id	Yr	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	Sur/Elev.N	W.L.R.	BREVELatKilgtrg	BREVELongKilgtrg	SurTtLogNs	Text22058
207	152838	-108261.1413	192837	31.02570676	9.42391226189871	11.0248206	1213.151014616	368693.092	320.40073736313	31.0349072488723	35.04106805127833	76.83430759793949	76.82322128
208	152840	-107601.1413	192837	31.02570676	9.4239136528097	11.081405	1234.0188021972	368698.0490962	320.40825207574	31.036537322177	35.0518209781338	76.8347349506798	73.358146895118
209	152841	-106941.1413	192837	31.02570676	9.42391670030587	11.1778104	1251.22541854418	368705.0056878	321.18616257234	31.026119567317	35.05642889763416	76.76646691	73.3947158590174
210	152842	-106281.1413	192837	31.02570676	9.423943426	11.175473	1274.221496866	368708.961	319.0330671446953	31.0245644827323	35.07312894199053	76.6874893337965	67.8874805903163
403	152843	-105621.1413	192837	31.02570676	9.42394414873857	11.175402	1295.22159997875	368716.988481	319.1413273689243	31.02376899243	35.05976698530253	76.5507367317193	66.5861887531
404	152844	-104931.1413	192837	31.02570676	9.4239453203632	11.081405	1314.3344482192	368724.0027691	319.433970504088	31.02376899243	35.05976698530253	76.5507367317193	66.5861887531
207	152845	-104301.1413	192837	31.02570676	9.42395658402164	11.16847	1335.3703327241	368698.83	319.48520559249	31.0113217393785	35.0723344796214	76.38927524013424	67.4567550330679
405	152846	-103641.1413	192837	31.02570676	9.4239562699956	11.16847	1354.4062465884	368694.7901739	319.730647311719	31.058809191373	35.06452614196112	76.046574532782233	69.28352586
407	152847	-102981.1413	192837	31.02570676	9.42397001187004	11.163798	1374.471057705365	368660.7848175575	320.0254502061636	31.0317872237044	35.04450217703537	76.04352691135864	69.7495517
408	152848	-102221.1413	192837	31.02570676	9.42397077633065	11.161497	1394.47752532573	368656.708821424	320.735875	31.011644767948224	35.04186647200814	76.0408674801237	69.758297797532
409	152849	-101681.1413	192837	31.02570676	9.42398398828863	11.1592129	1414.8512891604	368652.650625455	321.7417519139804	31.048780062144	35.039534077682084	76.038159077682084	69.76969555928
410	152850	-101021.1413	192837	31.02570676	9.423984077285	11.154583	1434.8512891604	368652.650625455	321.7417519139804	31.048780062144	35.039534077682084	76.038159077682084	69.76969555928
411	152851	-100341.1413	192837	31.02570676	9.423984077285	11.154583	1454.8512891604	368652.650625455	321.7417519139804	31.048780062144	35.039534077682084	76.038159077682084	69.76969555928
412	152852	-99621.1413	192837	31.02570676	9.4240046361036	11.0512242	1475.6179050616	368640.54087111	323.3613118617132	31.03046961728445	35.03863257855758	76.03517103698974	67.87826519
413	152853	-99021.1413	192837	31.02570676	9.4240141298391	11.047891	1495.6179050616	368634.498982312	323.7878540174136	31.0012346458071	35.0381269924584	76.0346251785416	67.87826519
414	152854	-98361.1413	192837	31.02570676	9.42401781495396	11.04745	1514.6179050616	368632.459116996	324.3953268558	30.98729429378	35.03742481516313	76.03265490624902	64.9200446630383
415	152855	-97701.1413	192837	31.02570676	9.42402487496424	11.0	1534.6179050616	368630.41854549	324.72079501283	30.9861682767504	35.0364116522546	76.0304213928485	64.920729684
416	152856	-97021.1413	192837	31.02570676	9.4240341366598	11.0	1554.6179050616	368628.3369778	324.971607782723	30.984971717179	35.0352471818185	76.0292717179	64.920729684
417	152857	-96381.1413	192837	31.02570676	9.4240381366598	11.0	1574.6179050616	368626.3309827	325.26777485341	30.982027376683	35.0340717179	76.028256880175	64.920729684
418	152858	-95721.1413	192837	31.02570676	9.4240447043571	11.038135	1595.6213214945	368620.12980483	324.435518722369	30.981413146433	35.03274965193736	76.0268593703967	64.920729684
419	152859	-95061.1413	192837	31.02570676	9.424051229338	11.0357784	1615.659809009405	368612.25829039	322.798038791448	30.981258564721	35.0318750407183	76.025961095574	64.920729684
420	152860	-94401.1413	192837	31.02570676	9.424057694042	11.033433	1636.6309008041	368608.12735683	320.35013295566	30.981258564721	35.0318750407183	76.025961095574	64.920729684
421	152861	-93741.1413	192837	31.02570676	9.4240641277713	11.031082	1657.659152266487	368604.17834848	320.78406202187	30.9810370572387	35.0316899779245	76.025961095574	64.920729684
422	152862	-93081.1413	192837	31.02570676	9.4240706700000	11.02878	1678.659152266487	368600.23454545	320.921607782723	30.9808491037057	35.0315013295566	76.025961095574	64.920729684
423	152863	-92421.1413	192837	31.02570676	9.424076117829	11.026438	1699.659152266487	368596.10129236	321.054517260069	30.980698149238	35.031313295566	76.025961095574	64.920729684
424	152864	-91761.1413	192837	31.02570676	9.424083145220266	11.0241029	1716.659152266487	368592.06251358	321.273762	30.9805380884266	35.03113570407183	76.025961095574	64.920729684
425	152865	-91101.1413	192837	31.02570676	9.42408939	11.021677	1737.659152266487	368588.024013772	31.01838154156203	30.9803784292166	35.0309196713368	76.025961095574	64.920729684
426	152866	-90401.1413	192837	31.02570676	9.42409559798124	11.0194326	1758.659152266487	368584.98579697	31.0149459631283	30.980247647623	35.0307415231368	76.025961095574	64.920729684
427	152867	-89781.1413	192837	31.02570676	9.4241017560018	11.017095	1779.659152266487	368581.95454732	31.01375866620823	30.9801712887981	35.0305729561926	76.025961095574	64.920729684
428	152868	-89101.1413	192837	31.02570676	9.4241078500000	11.014708	1800.659152266487	368578.92345454	31.0124707802723	30.9800927802723	35.0304045454545	76.025961095574	64.920729684
429	152869	-88401.1413	192837	31.02570676	9.42411393814955	11.012473	1821.659152266487	368575.89187154	31.0112477968154	30.9800176421664	35.0302356801753	76.025961095574	64.920729684
430	152870	-87801.1413	192837	31.02570676	9.4241199221455	11.0100922	1842.659152266487	368572.85923454	31.010092216554	30.98000010554	35.03006612522	76.025961095574	64.920729684
431	152871	-87141.1413	192837	31.02570676	9.4241259049881	11.00775	1863.659152266487	368569.82750869	31.009278981474	30.9799810978147	35.0298995778825	76.025961095574	64.920729684
432	152872	-86481.1413	192837	31.02570676	9.42413187367911	11.0054219	1884.659152266487	368566.799944785	31.008463445473	30.97993770689	35.0297325282136	76.025961095574	64.920729684
433	152873	-85821.1413	192837	31.02570676	9.42413781761595	11.003088	1905.659152266487	368563.76230411	31.00763931485033	30.9798942310032	35.0295745454545	76.025961095574	64.920729684
434	152874	-85161.1413	192837	31.02570676	9.42414381761595	11.00075	1926.659152266487	368560.72478154	31.006843445473	30.979843445473	35.0294045454545	76.025961095574	64.920729684
435	152875	-84501.1413	192837	31.02570676	9.42414981761595	11.00075	1947.659152266487	368557.687154	31.006054093936	30.9797942310032	35.0292356801753	76.025961095574	64.920729684
436	152876	-83841.1413	192837	31.02570676	9.42415581761595	11.00075	1968.659152266487	368554.6485164	31.005206804559	30.979742310032	35.02906612522	76.025961095574	64.920729684
437	152877	-83181.1413	192837	31.02570676	9.42416181761595	11.00075	1989.659152266487	368551.6097154	31.0043571097376	30.97969578147	35.0288995778825	76.025961095574	64.920729684
438	152878	-82521.1413	192837	31.02570676	9.42416781761595	11.00075	2010.659152266487	368548.5708154	31.0035081097376	30.9796469578147	35.0287325282136	76.025961095574	64.920729684
439	152879	-81861.1413	192837	31.02570676	9.42417381761595	11.00075	2031.659152266487	368545.5319154	31.0026591097376	30.9795978147	35.0285745454545	76.025961095574	64.920729684
440	152880	-81201.1413	192837	31.02570676	9.42417981761595	11.00075	2052.659152266487	368542.4930154	31.0018091097376	30.97954878147	35.0284045454545	76.025961095574	64.920729684
441	152881	-80541.1413	192837	31.02570676	9.42418581761595	11.00075	2073.659152266487	368539.4541154	31.0009601097376	30.97950000000	35.0282356801753	76.025961095574	64.920729684
442	152882	-79881.1413	192837	31.02570676	9.42419181761595	11.00075	2094.659152266487	368536.4152154	31.00011097376	30.979451154	35.02806612522	76.025961095574	64.920729684
443	152883	-79221.1413	192837	31.02570676	9.42419781761595	11.00075	2115.659152266487	368533.3763154	30.9992601097376	30.979402266487	35.0278995778825	76.025961095574	64.920729684
444	152884	-78561.1413	192837	31.02570676	9.42420381761595	11.00075	2136.659152266487	368530.3374154	30.99841097376	30.979353376	35.0277325282136	76.025961095574	64.920729684
445	152885	-77901.1413	192837	31.02570676	9.42420981761595	11.00075	2157.659152266487	368527.2985154	30.9975601097376	30.9793045454545	35.0275645454545	76.025961095574	64.920729684
446	152886	-77241.1413	192837	31.02570676	9.42421581761595	11.00075	2178.659152266487	368524.2596154	30.99671097376	30.9792556454545	35.0273956454545	76.025961095574	64.920729684
447	152887	-76581.1413	192837	31.02570676	9.42422181761595	11.00075	2199.659152266487	368521.2207154	30.9958601097376	30.97920678147	35.0272266487	76.025961095574	64.920729684
448	152888	-75921.1413	192837	31.02570676	9.42422781761595	11.00075	2220.659152266487	368518.1818154	30.99501097376	30.9791578147	35.02705778825	76.025961095574	64.920729684
449	152889	-75261.1413	192837	31.02570676	9.42423381761595	11.00075	2241.659152266487	368515.1429154	30.9941601097376	30.9791089578147	35.0268888888889	76.025961095574	64.920729684
450	152890	-74601.1413	192837	31.									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SurfElev.f	SurfElev.f
525	207	152965	-21001.141133	928357.317020766	34.24486462176605	-100.882546	337468.453142334	4365585.195953626	3074.649120192857	2526.7606487100015	2845.6593555491786	2846.0392567494164	81.10129316062293	80.7213919605815
526	207	152966	-24441.141133	928357.317020766	34.24486119516962	-100.8859195	337689.45100532027	4365581.17791587	3072.141229326545	2925.145890768348	2840.6366666314664	2840.881219363483	84.593476141	84.593476141
527	207	152967	-23781.141133	928357.317020766	34.24486139491845	-100.883483	337670.466389653	4365573.160302918	3068.6318915911418	2933.524818910118	2837.4216835619119	2837.423889196931	86.276245484	86.276245484
528	207	152968	-21211.141133	928357.317020766	34.24491435890324	-100.881249	338071.48151443004	4365581.14247785	3070.139931307414	2831.89703389832	2834.658463417064	2834.7053760378495	87.2403576142579	87.2403576142579
529	207	152969	-22661.141133	928357.317020766	34.2449296357797	-100.8789141	338272.465328435	4365569.125	3064.66473409634	2920.262578720042	2831.892761782956	2831.769351516875	88.3691153708575	88.3691153708575
530	207	152970	-21801.141133	928357.317020766	34.2449450615721	-100.8765789	338473.511394144	4365565.10778955	3062.152947566254	2918.62078916424	2829.4386333973048	2829.584687132374	89.261157663045	89.261157663045
531	207	152971	-21411.141133	928357.317020766	34.2449597362798	-100.8742438	338674.5260984947	4365561.09079455	3059.21587	2916.915981062857	2826.157007535813	2826.075361988517	90.81459053264825	90.81459053264825
532	207	152972	-20481.141133	928357.317020766	34.244973959031	-100.8719086	338785.54064611305	4365560.073841955	3055.24378796357	2915.317953768259	2824.6768779619566	2824.624651187765	91.8460153908243	91.8460153908243
533	207	152973	-19821.141133	928357.317020766	34.2449877324415	-100.8686738	338976.550372009	4365567.7402913907	3053.631788192113	2913.6207100758835	2820.423408819615	2820.374467827271	93.2267822521624	93.2267822521624
534	207	152974	-19161.141133	928357.317020766	34.2450010353953	-100.8672384	339277.656719635	4365549.040040125	3045.329980376966	2911.973775	2817.576174343165	2817.576168615185	94.4012595610163	94.4012595610163
535	207	152975	-18501.141133	928357.317020766	34.24501339242654	-100.8649032	339478.5835056152	4365545.02688756	3045.5280930172503	2910.927929604655	2815.162834219221	2815.10237367304137	95.13059569	95.13059569
536	207	152976	-17841.141133	928357.317020766	34.24502631	-100.8625681	339679.59773352033	4365541.098659622	3043.45149705255	2908.61030205245	2813.945652137561	2813.95908570768	96.46509416271695	96.46509416271695
537	207	152977	-17181.141133	928357.317020766	34.24503083	-100.8602329	339860.6114043834	4365540.28285327	3041.934901883259	2906.910988770725	2813.7647813739519	2813.76478012429646	97.930786447426435	97.930786447426435
538	207	152978	-16521.141133	928357.317020766	34.2450498286642	-100.8578978	340081.624651191	4365532.97275737	3038.633051162634	2905.194702181937	2814.101594114047	2814.101594114047	99.0787610769672	99.0787610769672
539	207	152979	-15861.141133	928357.317020766	34.2450609498434	-100.8556268	340282.6381081488	4365530.761852283	3037.463127128231	2903.479580597803	2814.2489724724301	2814.1487793220419	100.18631793979	100.18631793979
540	207	152980	-15201.141133	928357.317020766	34.2450715096398	-100.8532275	340483.851409291	4365524.946840921	3035.4093672781433	2901.7404755050706	2813.347038647723	2813.347038647723	101.37023169	101.37023169
541	207	152981	-14541.141133	928357.317020766	34.2450816737007	-100.8509284	340684.6645554816	4365520.91346864	3033.355607380545	2900.994823167676	2813.246880172636	2813.56374212364	102.74720214	102.74720214
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569	207	153009	3838.856730733514	92										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBoth.ft	SatHtLogs.ft	SatHtBoth.ft	
501	207	153091	58058.8586730335	923857.3170250766	-00.5940269	362795.2121521041	4365080.153594923	2886.1448153480496	2600.536736394476	2633.422287719792	2634.278881583473	51.17444867	47.2578485		
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505	207	153095	58174.8586730335	923857.3170250766	-00.5864864	363599.2020088754	-00.5864864	363599.2020088754	436506.54626115	2874.09371957028	2634.123695373156	2631.9121040780674	2639.41418757231214	51.22216625	47.3193903419415
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528	207	153118	58611.8586730335	923857.3170250766	-00.5309784	368222.0917133346	-00.5309784	368222.0917133346	436497.72625414	2822.384123587257	2604.164698708418	2607.840715936563	2612.468881962	46.32375040718547	42.9398711388798
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538	207	153128	58801.8586730335	923857.3170250766	-00.5076572	370232.0917133346	-00.5076572	370232.0917133346	436497.72625414	2822.384123587257	2604.164698708418	2607.840715936563	2612.468881962	46.32375040718547	42.9398711388798
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541	207	153131	58858.8586730335	923857.3170250766	-00.5006219	370835.0917133346	-00.5006219	370835.0917133346	436497.72625414	2822.384123587257	2604.164698708418	2607.840715936563	2612.468881962	46.32375040718547	42.9398711388798
542	207	153132	58877.8586730335	923857.3170250766	-00.4982768	371036.0917133346	-00.4982768	371036.0917133346	436497.72625414	2822.384123587257	2604.164698708418	2607.840715936563	2612.468881962	46.32375040718547	42.9398711388798
543	207	153133	58896.8586730335	923857.31702											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatElevKgr.ft	SatElevKgr.ft
37	208	153217	-34781.1413	929017.3170250766	39.42009197389812	-102.0277651	293534.1757443774	4367771.633326723	3898.6099980536887	3683.3690812294345	3591.099114511658	35.75760696062782	92.26696937737678	107.69538612515243
38	208	153218	-346521.1413	929017.3170250766	39.42011477838311	-102.0254033	239955.2925183687	4367767.512548082	3896.8666576172941	3682.2483205372825	3589.81904228999	35.74831966282634	92.26696937737678	114.56306572147118
39	208	153219	-345891.1413	929017.3170250766	39.42013843777034	-102.0236961	239756.4098343112	4367768.932793928	3894.2307492114414	3681.1396518520464	3588.20460386234	35.68439745150312	92.26696937737678	122.731691008471239
40	208	153220	-345201.1413	929017.3170250766	39.420160205974	-102.02007	239957.52529241447	4367770.97210246	3890.69627372715	3680.03758292134	3588.317686808727	35.6854737925475	92.26696937737678	131.1733203360691
41	208	153221	-344541.1413	929017.3170250766	39.42018562152128	-102.0184259	240158.6412928809	4367775.162251037	3887.1617967123134	3678.8299413609174	3584.34212921759	35.645261397123665	94.58781214331839	133.4678016485509
42	208	153222	-343881.1413	929017.3170250766	39.42020914534884	-102.0160911	240359.7503931664	4367780.449829828	3887.6273051927276	3677.835970328244	3582.2148364932204	35.643861293392975	94.58781214331839	133.99746396302714
43	208	153223	-343221.1413	929017.3170250766	39.420236234054	-102.0137563	240560.68225172772	4367784.927951999	3881.15753039217	3676.741472886807	3580.051152642165	35.64283188103021	96.73963464	133.8973981883884
44	208	153224	-342561.1413	929017.3170250766	39.420256058238195	-102.0114215	240761.9875051982	4367784.81111126	3879.7524532397024	3675.65292676182	3577.715497	35.64150419173977	97.4374300625828	134.142610884944
45	208	153225	-341901.1413	929017.3170250766	39.42027947037785	-102.0089697	240963.1027248868	4367784.68478757	3878.34702650181	3674.574914904654	3575.354981524667	35.6398745150312	98.1982201580607	135.70204017861892
46	208	153226	-341241.1413	929017.3170250766	39.42030279	-102.0057518	241164.21743737083	4367734.57805192	3873.504870513437	3672.908328013072	3570.64674400422	35.63738750437877	100.16074400422	133.7308774945696
47	208	153227	-340581.1413	929017.3170250766	39.4203260834299	-102.004417	241365.3318964156	4367730.46181259	3874.7052139910573	3672.450419	3670.3586272328116	35.642610712135807	100.093918879286	127.8330019715954
48	208	153228	-339921.1413	929017.3170250766	39.42034934284786	-102.0020822	241566.460996165	4367732.345817142	3871.862242	3671.04134547895	3667.663482981536	35.63503091429335	100.72894663597	127.57629255446
49	208	153229	-339261.1413	929017.3170250766	39.42037255	-101.9997474	241767.5600462016	4367722.23	3868.943612268548	3670.375519704067	3664.84971179738	35.635995111754783	100.52580779949288	111.2766079949288
50	208	153230	-338601.1413	929017.3170250766	39.4203971456349	-101.9974126	241968.67373740298	4367718.114	3866.0526	3669.347305132949	3661.880503930477	35.635108043211662	100.4680121007121	102.0084137007265
51	208	153231	-337941.1413	929017.3170250766	39.4204239727385	-101.9950777	242198.7871226238	4367713.999013257	3868.292529353066	3668.292575972184	3658.79831696678	35.6350767625937	100.599406343065	101.6355499761246
52	208	153232	-337281.1413	929017.3170250766	39.420441905885	-101.9927429	242370.9035287457	4367709.883624761	3857.845604810045	3667.24738521249	3655.557408990785	35.63528791069455	111.718762704632	109.8647455669369
53	208	153233	-336621.1413	929017.3170250766	39.4204648339947	-101.9904081	242572.01327775724	4367705.7688426515	3853.344987448664	3666.1818966372	3652.704213365756	35.63491089038873	113.4534733061615	117.04923807636482
54	208	153234	-335961.1413	929017.3170250766	39.420487916814615	-101.9880733	242773.1259476796	4367701.564	3848.884364966416	3664.86523307144	3651.27385689067	35.634779313780769	119.1051925656069	120.8791925656069
55	208	153235	-335301.1413	929017.3170250766	39.420510854631274	-101.9857384	242974.2386246527	4367705.53497563	3845.3937155928315	3663.481237838307	3651.050701934653	35.634403244191711	119.3767306429541	119.38765024667965
56	208	153236	-334641.1413	929017.3170250766	39.42053374734938	-101.9834036	243175.3055246234	4367693.425	3842.68533739347	3661.918633742177	3650.446046015005	35.634722905541157	119.47281771912276	118.1959628006193
57	208	153237	-333981.1413	929017.3170250766	39.4205569496893	-101.981068	243376.46242973476	4367689.310977938	3840.063055520374	3660.48026527813	3649.126543984665	35.63477566234915	119.2812733227154	101.5306990436513
58	208	153238	-333321.1413	929017.3170250766	39.4205793749895	-101.9787339	243577.5740818695	4367685.197	3837.426075365406	3659.90083127692	3647.452481079639	35.63474520349518	119.448127313043	88.1106727215137
59	208	153239	-332661.1413	929017.3170250766	39.4206018740298	-101.9764091	243769.6854908741	4367681.683027925	3834.81683398216	3658.891388216	3646.358115899255	35.63471431067937	119.78060549379696	118.83632549479696
60	208	153240	-332001.1413	929017.3170250766	39.4206248723567	-101.9740463	243979.7965245062	4367676.9674611	3832.120716442405	3655.911884905357	3645.551673605428	35.63470054314038	119.362011301878	54.957255
61	208	153241	-331341.1413	929017.3170250766	39.42064754460436	-101.9717294	244180.9051550408	4367674.8614486	3826.123482746119	3652.96825453336	3643.9346674148	35.63471826702584	119.034307664484	68.3841257831054
62	208	153242	-330681.1413	929017.3170250766	39.42067015658642	-101.9693946	244382.08115314416	4367668.74289926	3822.13482746119	3652.96825453336	3643.9346674148	35.63471826702584	119.034307664484	68.3841257831054
63	208	153243	-330021.1413	929017.3170250766	39.4206932361358	-101.9670598	244583.1285376563	4367664.3071304	3818.961004414354	3651.515000234372	3642.8848181376333	35.63471826702584	119.034307664484	68.3841257831054
64	208	153244	-329361.1413	929017.3170250766	39.4207155658143	-101.9647249	244784.2386930214	4367660.517658992	3816.60330897308	3650.072961362234	3641.1876274172634	35.63471826702584	119.034307664484	68.3841257831054
65	208	153245	-328701.1413	929017.3170250766	39.42073775237119	-101.9623901	244985.3485102314	4367656.405125965	3814.246613865476	3648.891388216	3640.358115899255	35.63471431067937	119.78060549379696	118.83632549479696
66	208	153246	-328041.1413	929017.3170250766	39.42076019415104	-101.9600619	245178.1664744615	4367652.396937272	3812.20774660135	3647.9274660135	3646.358115899255	35.63471431067937	119.78060549379696	118.83632549479696
67	208	153247	-327381.1413	929017.3170250766	39.42078259073289	-101.9577204	245387.5675488203	4367648.18079581	3809.589024964424	3645.76338442427	3642.8848181376333	35.63471826702584	119.034307664484	68.3841257831054
68	208	153248	-326721.1413	929017.3170250766	39.42080494226519	-101.9553855	245588.768708208	4367644.06887212	3807.343961420314	3644.365900507883	3642.8848181376333	35.63471826702584	119.034307664484	68.3841257831054
69	208	153249	-326061.1413	929017.3170250766	39.420828725	-101.9530057	245789.7855410871	4367639.957	3805.89862844119	3642.8848181376333	3642.8848181376333	35.63471826702584	119.034307664484	68.3841257831054
70	208	153250	-325401.1413	929017.3170250766	39.420849510032454	-101.9507158	245990.89415961233	4367635.845717256	3803.85377955807	3641.538410909036	3642.8848181376333	35.63471826702584	119.034307664484	68.3841257831054
71	208	153251	-324741.1413	929017.3170250766	39.42087172626738	-101.948381	246192.0025	4367631.73448825	3801.430814052005	3640.13196758214	3641.538410909036	35.63471826702584	119.034307664484	68.3841257831054
72	208	153252	-324081.1413	929017.3170250766	39.4208938740298	-101.9460911	246393.1106429218	4367627.62336947	3797.822862301128	3638.72885178738	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
73	208	153253	-323421.1413	929017.3170250766	39.4209163243836	-101.9437113	246594.2186073218	4367623.51230118	3795.229145810053	3637.28844279264	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
74	208	153254	-322761.1413	929017.3170250766	39.42093810438741	-101.9413764	246795.3262211175	4367619.04197387	3792.62287050828	3635.92749193045	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
75	208	153255	-322101.1413	929017.3170250766	39.42096014	-101.9390416	246996.435843878	4367615.91436031	3790.4699410007	3634.53177458104	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
76	208	153256	-321441.1413	929017.3170250766	39.420982130963395	-101.9367067	247197.54067122314	4367611.1819803	3788.754129129566	3633.138573436574	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
77	208	153257	-320781.1413	929017.3170250766	39.42100417660227	-101.9343719	247398.64758591593	4367607.071167998	3786.8347520997	3631.73523638231	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
78	208	153258	-320121.1413	929017.3170250766	39.4210261741816	-101.932037	247599.5741729656	4367603.961343303	3784.925030389573	3630.351757810747	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
79	208	153259	-319461.1413	929017.3170250766	39.4210481741816	-101.929701	247800.64758591593	4367600.04197387	3783.01458101053	3629.42141035529	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
80	208	153260	-318801.1413	929017.3170250766	39.421069642921436	-101.9273763	248011.966843012	4367597.4321525	3781.759613027482	3628.30239430366	3640.13196758214	35.63471826702584	119.034307664484	68.3841257831054
81	208	153261	-318141.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevBothK.fg	SatHtLogs.fg	SatHtBothK.fg
162	208	153343	-264021.1413	929017.3172050766	39.42272268017208	-101.733569	642682.9441131745	4367254.379198989	3595.0346236523997	3475.960093993558	3298.216483767172	3274.0540954392763	3274.324563235888	201.91571396028166
164	208	153344	-263361.1413	929017.3172050766	39.42274012020894	-101.731234	644884.0102914402	4367250.270624052	3594.2443190374033	3474.45266758044	3300.155589597046	3263.651025860141	3274.324563235888	201.91571396028166
166	208	153345	-262701.1413	929017.3172050766	39.4228567874288	-101.728891	645605.6049643524	4367246.195170705	3597.008764662897	3472.931321278116	3300.155589597046	3263.651025860141	3274.324563235888	201.91571396028166
168	208	153346	-262041.1413	929017.3172050766	39.42277661037024	-101.726564	645296.183550563	4367243.103644955	3592.663709807417	3471.47846218754	3307.645495433837	3255.2614753570613	3274.324563235888	201.91571396028166
167	208	153347	-261381.1413	929017.3172050766	39.42274046960256	-101.7242291	645497.2663386949	4367238.011667775	3597.008764662897	3470.0096734076117	3321.23230208059878	3253.3721209418017	3274.324563235888	201.91571396028166
168	208	153348	-260721.1413	929017.3172050766	39.42281123382802	-101.7218941	645698.3514927049	4367233.920677171	3587.560715770113	3468.5509747660453	3317.568476685544	3252.9747073694234	3274.324563235888	201.91571396028166
168	208	153349	-260061.1413	929017.3172050766	39.42283013460525	-101.7195952	645899.4632412427	4367229.82981215	3584.422414295077	3467.09813913242	3323.557888936573	3254.588934481141	3274.324563235888	201.91571396028166
170	208	153350	-259401.1413	929017.3172050766	39.422847858970105	-101.7172242	646100.5207046799	4367225.738897639	3581.283957014377	3465.648462601215	3320.378416245437	3261.770146355719	3274.324563235888	201.91571396028166
171	208	153351	-258741.1413	929017.3172050766	39.42286587612498	-101.7148892	646301.6049643524	4367221.4480188975	3577.008764662897	3463.7214917788193	3326.8214411718324	3276.8214411718324	3274.324563235888	201.91571396028166
172	208	153352	-258081.1413	929017.3172050766	39.4228835300018	-101.7125542	646502.6889930759	4367217.557472495	3569.5755472495	3462.745834469593	3341.855611753871	3295.153491950363	3274.324563235888	201.91571396028166
173	208	153353	-257421.1413	929017.3172050766	39.42290088910645	-101.7102192	646703.772914477	4367213.467280427	3568.184910334518	3461.308818835179	3347.981829245575	3315.569797343536	3274.324563235888	201.91571396028166
174	208	153354	-256761.1413	929017.3172050766	39.42291844	-101.707843	646904.855635936	4367209.372719904	3560.7728231309352	3459.862557749576	3335.8307621053896	3335.971374697167	3274.324563235888	201.91571396028166
175	208	153355	-256101.1413	929017.3172050766	39.422933965422226	-101.7055493	647105.93697560	4367205.287	3558.718550738698	3458.414981886932	3355.1574663208787	3345.429109076664	3274.324563235888	201.91571396028166
176	208	153356	-255441.1413	929017.3172050766	39.422953440623264	-101.7032143	647307.2028057143	4367201.17912945	3560.021611188704	3456.95224408075	3349.864262196066	3342.916740749502	3274.324563235888	201.91571396028166
177	208	153357	-254781.1413	929017.3172050766	39.42297085121124	-101.7008793	647508.1056842036	4367197.106828136	3561.324672	3455.51253548891	3342.9529013873484	3348.78938580141	3274.324563235888	201.91571396028166
178	208	153358	-254121.1413	929017.3172050766	39.42298871915174	-101.698543	647709.1833232466	4367183.01902821	3562.627123209161	3454.05609174341	3336.371504589917	3331.02046	3274.324563235888	201.91571396028166
179	208	153359	-253461.1413	929017.3172050766	39.42300561270708	-101.6962093	647910.270530355	4367178.98299496	3566.66647	3452.595253237449	3330.587047708897	3326.341326912436	3274.324563235888	201.91571396028166
180	208	153360	-252801.1413	929017.3172050766	39.42302291739514	-101.6938743	648111.3529	4367184.841166554	3551.12941330209	3325.803471209853	3322.577617	325.3259420923458	3274.324563235888	201.91571396028166
181	208	153361	-252141.1413	929017.3172050766	39.42304017247985	-101.6915394	648312.4349	4367180.75235789	3580.21523067376	3348.6582686357094	3327.3778604195	3319.965500578628	3274.324563235888	201.91571396028166
182	208	153362	-251481.1413	929017.3172050766	39.42305733246119	-101.6892044	648513.5166	4367176.66126383	3586.980917358688	3448.181756927387	3320.15211811208	3318.66319427067	3274.324563235888	201.91571396028166
183	208	153363	-250821.1413	929017.3172050766	39.42307454733914	-101.6868694	648715.59433024	4367172.576	3593.570476823792	3318.880238357657	3319.079872841594	3274.324563235888	201.91571396028166	201.91571396028166
184	208	153364	-250161.1413	929017.3172050766	39.4230916711363	-101.6845344	648915.6984143052	4367168.467907949	3595.957984181156	3345.212570713843	3318.096705	3318.05204132722	3274.324563235888	201.91571396028166
185	208	153365	-249501.1413	929017.3172050766	39.4231092078156	-101.682194	649115.6984143052	4367164.4001083774	3597.008764662897	3343.7214917788193	3326.8214411718324	3276.8214411718324	3274.324563235888	201.91571396028166
186	208	153366	-248841.1413	929017.3172050766	39.4231257153223	-101.6798654	649317.841289438	4367160.312511297	3592.713792	3442.227941617854	3316.679267620216	3316.3447401313696	3274.324563235888	201.91571396028166
187	208	153367	-248181.1413	929017.3172050766	39.42314275581625	-101.6775294	649518.9219	4367156.225	3596.1769749832278	3440.734954093524	3315.622614602456	3315.622614602456	3274.324563235888	201.91571396028166
188	208	153368	-247521.1413	929017.3172050766	39.42315969517671	-101.675194	649720.022483534	4367152.1030676	3596.616797860891	3439.245785286431	3314.2744191718643	3314.282181581717	3274.324563235888	201.91571396028166
189	208	153369	-246861.1413	929017.3172050766	39.423176589433545	-101.6728594	649921.0828743845	4367148.19796057025	3597.182563180555	3437.762453026804	3312.4185349029224	3312.4185349029224	3274.324563235888	201.91571396028166
190	208	153370	-246201.1413	929017.3172050766	39.42319343858676	-101.6705244	650122.1622990344	4367143.96418039	3597.182563180555	3437.762453026804	3312.4185349029224	3312.4185349029224	3274.324563235888	201.91571396028166
191	208	153371	-245541.1413	929017.3172050766	39.42321024263634	-101.668198	650322.241683968	4367139.878114652	3597.182563180555	3437.762453026804	3312.4185349029224	3312.4185349029224	3274.324563235888	201.91571396028166
192	208	153372	-244881.1413	929017.3172050766	39.42322707158274	-101.665943	650524.3214214434	4367135.7912541	3598.210746481676	3436.517583128949	3311.307738139927	3309.907184139927	3274.324563235888	201.91571396028166
193	208	153373	-244221.1413	929017.3172050766	39.42324371542437	-101.6635194	650725.4067403007	4367131.70509364	3597.182563180555	3437.762453026804	3312.4185349029224	3312.4185349029224	3274.324563235888	201.91571396028166
194	208	153374	-243561.1413	929017.3172050766	39.42326038416278	-101.6611844	650926.4769775074	4367127.314113903	3597.247360291767	3431.034081680248	3302.591850683895	3302.591850683895	3274.324563235888	201.91571396028166
195	208	153375	-242901.1413	929017.3172050766	39.42327707797374	-101.6588494	651127.55846551196	4367123.533	3592.1133021085	3429.84730398799	3300.737418109693	3300.737418109693	3274.324563235888	201.91571396028166
196	208	153376	-242241.1413	929017.3172050766	39.42329356332814	-101.6565144	651328.65037135187	4367119.148	3592.33823800484	3428.6986370024047	3298.7546740758526	3298.7546740758526	3274.324563235888	201.91571396028166
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202	208	153382	-238281.1413	929017.3172050766	39.42339210133898	-101.6425043	652535.107819457	4367094.939	3594.700285992734	3421.839424859607	3288.756444546465	3297.006438621578	3274.324563235888	201.91571396028166
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204	208	153384	-236961.1413	929017.3172050766	39.42342456104215	-101.6378343	652937.2574	4367086.79009739	3593.91229364084	3420.6802384534863	3287.94516080697	3297.006438621578	3274.324563235888	201.91571396028166
205	208	153385	-236301.1413	929017.3172050766	39.423441263634	-101.635498	653132.9489761179	4367082.61363616	3594.186351903705	3422.90963368666	3290.41512448633	3296.3139531228315	3274.324563235888	201.91571396028166
206	208	153386	-235641.1413	929017.3172050766	39.42345689	-101.633162	653339.4103	4367078.60377232	3592.6742550077	3417.15377109173	3292.341928			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtElev.ft	SatBoth.ft
415	20	153595	-97701.14133	929017.3170250766	39.42583786953615	-101.1451275	115359.3672061027	436622.6944799003	3232.7638272619197	3069.988226	3039.03060341987	3030.353941069431	5975.922494525946	66.6342852200866
416	20	153596	-97041.14133	929017.3170250766	39.42584434077018	-101.142732	115950.8011909654	436625.2046744804	3232.313498651053	304.891	3039.68237650049	3027.4239464741	57.54871491674247	67.54871491674247
417	20	153597	-96381.14133	929017.3170250766	39.42585692722468	-101.1406471	115751.634899058	436612.567103228	3231.863170666292	3029.789212412944	3039.348072843076	3022.99472843076	53.45119793523948	68.80245938163499
418	20	153598	-95721.14133	929017.3170250766	39.42587551559046	-101.1381292	115962.868419204	436617.5260635295	3231.412823741783	3090.712822634032	3037.85177	3017.008161616403	52.86105215	73.70460698
419	20	153599	-95061.14133	929017.3170250766	39.42588604033749	-101.1357868	116163.90173674276	436621.3487026997	3230.92152921122	3082.6333676384	3035.239069905424	3017.6758862720414	53.9326607906021	75.65645004632481
420	20	153600	-94401.14133	929017.3170250766	39.42590570997576	-101.1334516	116364.3049280123	436614.427294324	3230.3892311875347	3068.55819986645	3031.7041535083563	3013.81483274858063	54.4663763878368	73.1398724378368
421	20	153601	-93741.14133	929017.3170250766	39.425926789350526	-101.1311165	116565.9679130348	436620.054765265	3229.85693128279	3084.490401528279	3028.401334896514	3015.147218377	56.0890525617749	69.3167217651019
422	20	153602	-93081.14133	929017.3170250766	39.42588332925945	-101.1287819	116767.0007187447	436612.36438917	3229.324635140517	3082.430517694932	3025.053076558307	3016.74804477182	57.3771030910125	65.6824932
423	20	153603	-92421.14133	929017.3170250766	39.4258966323785	-101.1264461	116968.03354534774	436617.238317668	3227.474100712243	3080.3776614826	3022.281535156045	3017.298574875163	58.59612628783138	67.0787658871162
424	20	153604	-91761.14133	929017.3170250766	39.4259059744005	-101.1241109	117169.059	436619.23097313	3224.30532857097	3078.32420427484	3020.569734010379	3015.380435378955	62.953790685291	72.953790685291
425	20	153605	-91101.14133	929017.3170250766	39.425902205532026	-101.1217758	117370.098062057	4366189.251685038	3221.1365573429484	3076.301073844041	3019.371074050591	3016.72662753786	62.927966493504185	63.1005111925052
426	20	153606	-90441.14133	929017.3170250766	39.42590841052064	-101.1194046	117571.1301525745	4366185.2137139445	3216.75675828058	3074.2759241515727	3017.856014665214	3012.535920385976	64.4190975902138	61.7400038769715
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428	20	153608	-89211.14133	929017.3170250766	39.42592683616494	-101.1147702	117973.138	4366171.762447	3215.883922017523	3074.281632369704	3013.9794323445334	3010.8072783918805	65.2688837943071	59.44558748508904
429	20	153609	-88461.14133	929017.3170250766	39.42592676	-101.1124351	118174.2253552347	4366173.09886231	3215.550591817345	3068.2486053021118	3011.60789696619	3009.474782649252	68.7757722059491	
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433	20	153613	-85821.14133	929017.3170250766	39.42595057357029	-101.1030944	118978.3480571154	4366156.94295715	3210.365783288934	3060.4160012851025	3005.5530825430924	3001.1874041141323	58.86281874201015	59.22859717097026
434	20	153614	-85161.14133	929017.3170250766	39.42595641848454	-101.1007592	119179.3807456991	4366161.061165157	3208.4914912712306	3058.509733848545	2998.708461	3007.8203423921312	60.461391425649575	
435	20	153615	-84501.14133	929017.3170250766	39.4259621694902	-101.098424	119380.411	4366148.57733857	3208.12432061241	3056.624327811225	2996.024366294983	2995.821899	60.50195971735814	60.80253426
436	20	153616	-83841.14133	929017.3170250766	39.4259679653967	-101.096088	119581.4412859358	4366144.33526787	3206.264256340075	3054.763023175705	2993.41815464507	2993.245179254591	61.35717257759616	
437	20	153617	-83221.14133	929017.3170250766	39.4259716717284	-101.09394	119789.5471426517	4366138.989624529	3204.73637807892716	3052.7318289192716	2991.78467675896	2991.0811018454	62.54498618184264	61.35717257759616
438	20	153618	-82521.14133	929017.3170250766	39.42597833852425	-101.0914185	119983.5013128335	4366136.76915749	3203.544127812943	3051.125994234752	2987.65602366476	2987.28025667684	63.6377825570835	63.6377825570835
439	20	153619	-81861.14133	929017.3170250766	39.4259845742196	-101.089083	120184.5311801154	4366132.10315139	3201.5842290478646	3049.38710792481	2985.152074917989	2984.20265655245	64.2696385745193	64.2696385745193
440	20	153620	-81201.14133	929017.3170250766	39.42599052988429	-101.0867481	120385.5608	4366128.96589059	3200.142847148273	3047.631831	2982.591569210004	2983.235011250873	65.0402612926859	64.396196281706
441	20	153621	-80541.14133	929017.3170250766	39.42599656723403	-101.0844129	120586.5902311383	4366124.659931075	3192.80472206618	3045.950086509049	2981.0500310180117	2980.5000310180117	64.396196281706	64.396196281706
442	20	153622	-79881.14133	929017.3170250766	39.42600153947654	-101.0820777	120787.6194937404	4366120.46476083	3191.48097255904	3044.317504062299	2979.760502	2980.202197791886	64.5514523847915	64.5514523847915
443	20	153623	-79221.14133	929017.3170250766	39.42600769161682	-101.079746	120989.5689161682	4366118.0769161682	3189.87367387095957	3042.73637807892716	2978.846767895845	2978.846767895845	63.99438766623034	63.99438766623034
444	20	153624	-78561.14133	929017.3170250766	39.42601236934474	-101.0774074	121189.6771515454	4366112.55477403	3187.87367387095957	3041.785203812674	2977.7895203812674	2977.7895203812674	63.0540534935306	63.0540534935306
445	20	153625	-77901.14133	929017.3170250766	39.4260177155488	-101.0750272	121390.7062323759	4366108.50131699	3185.913062	3039.31432798472	2977.610870924626	2977.610870924626	62.722735561163	61.9183584
446	20	153626	-77241.14133	929017.3170250766	39.426023017356236	-101.072737	121591.7347962161	4366104.485694008	3183.946789730717	3038.3012091900223	2977.04175123737	2977.04175123737	61.259484062852496	61.19862930067
447	20	153627	-76581.14133	929017.3170250766	39.42602827405351	-101.0704018	121792.7631858764	4366100.541452516	3181.8436947918	3036.91368485077	2976.79106882748	2977.06769729817	61.2259855529859	59.845851786903
448	20	153628	-75921.14133	929017.3170250766	39.426033485641724	-101.068067	121993.7941015659	4366096.14718025	3179.28260675494	3035.560871521113	2975.78366738022	2976.75089729817	59.782419724581	59.782419724581
449	20	153629	-75261.14133	929017.3170250766	39.42603865211084	-101.0657319	122194.8194347404	4366093.35858919	3178.51761364	3034.2530466397005	2975.660742845895	2975.660742845895	60.304030354819	59.9532817017365
450	20	153630	-74601.14133	929017.3170250766	39.42604374349596	-101.063394	122395.8471150507	4366089.34959313	3173.039861792396	3032.9261544245	2975.75786875896	2975.75786875896	61.74211376217146	61.74211376217146
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452	20	153632	-73281.14133	929017.3170250766	39.4260538090339	-101.0587259	122797.9025287095	4366080.28313847	3170.54326	3030.455694780936	2971.729369304705	2971.729369304705	61.963678504527	59.174459379137
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454	20	153634	-71961.14133	929017.3170250766	39.426063876879814	-101.0540556	123199.95370578836	4366072.141819205	3170.628795274671	3027.93381820697	2968.22343615171	2968.22343615171	60.559575205526016	59.4836148280265
455	20	153635	-71301.14133	929017.3170250766	39.4260687	-101.0517204	123400.9845472383	4366068.18487067	3169.511567908467	3026.32739722635	2967.954742496008	2967.954742496008	60.304030354819	59.9532817017365
456	20	153636	-70641.14133	929017.3170250766	39.42607355441947	-101.049382	123602.016887298	4366064.15263437	3167.234301440427	3024.85177995307	2967.954742496008	2967.954742496008	60.304030354819	59.9532817017365
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458	20	153638	-69321.14133	929017.3170250766	39.42608312052245	-101.0447148	124004.064	4366056.0825087	3162.679203143555	3021.893597943914	2967.56607560238	2967.56607560238	60.304030354819	59.9532817017365
459	20	153639	-68661.14133	929017.3170250766	39.42608784	-101.0423796	124205.0940565544	4366052.054638169	3160.493525916913	3020.42942318419				

ix	iy	ic	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
541	20172	-1454.14133	92017.317025076	39.426320990469605	-00.8508938	40688.6837	43567.722	1400998905	303.2011732898613	2899.773979241301	2813.699076364049	2813.896017970386	60.7490287725204	85.8779684426475
542	20172	-13891.14133	92017.317025076	39.42632196177205	-00.848584	40489.69614551	43567.818	14274405	301.013859211292	2898.011509333126	2813.37818601738	2813.615913810498	84.3183233187556	84.3903162862446
543	20172	-13221.14133	92017.317025076	39.426322867819665	-00.8466231	40490.7095013605	43567.822	1400989814	2898.245830289814	2898.598370408785	2813.547490314251	2811.4668427507985	84.3172207324241	84.7118273080845
544	20172	-12561.14133	92017.317025076	39.42632376904075	-00.843888	40491.7215255587	43567.10196		3027.324085738262	2894.4180367938	2810.418402500502	2810.164251899419	84.0321946413591	84.2975517685194
545	20172	-11901.14133	92017.317025076	39.42632405052202	-00.8415528	40492.734318453	43567.0618150322		3025.58341448139	2892.684841858886	2809.587894523117	2809.294341939336	83.086789387181	83.39025211665267
546	20172	-11241.14133	92017.317025076	39.42632435385859	-00.8392176	40493.7410435736	43567.027673815		3022.8625971580514	2890.909163135648	2808.696513103025	2808.4086306377373	82.21265003	82.500324627632
547	20172	-10581.14133	92017.317025076	39.42632614164011	-00.8368824	40494.788132259	43566.08103		3023.172405886349	2889.1357172648927	2807.78397401248	2807.489154230627	81.377796345621	81.63756303
548	20172	-9927.14133	92017.317025076	39.42632684228473	-00.8345472	40495.769696833	43566.03984799		3023.52276783861	2887.365492	2806.6218861564975	2806.500438	80.7430054878266	80.8605387256011
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555	20173	-5301.14133	92017.317025076	39.42633048372664	-00.8182008	40505.84286775463	43566.0949196549		3015.203310370116	2875.00582676303	2800.164836	2800.162945464366	74.84079301	74.781047
556	20173	-4641.14133	92017.317025076	39.42633082349434	-00.8158676	40507.85931287296	43566.013079878		3012.65802601862	2873.23034610769	2799.306094047243	2799.306094047243	73.82351787037624	73.82351787037624
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564	20173	928.85867303514	92017.317025076	39.42633192	-00.797184	40531.93855178	43565.8247433022		2982.156032785327	2858.8474845824	2795.697715050836	2795.694536481997	63.144666075031	63.14821281005425
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585	20173	8498.85867303514	92017.317025076	39.42632105404857	-00.7481448	40953.102627129	43565.4637339731		2943.054821246715	2819.88747945584	2784.380891130512	2784.700203286679	73.493670832517	73.493670832517
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BREIEvLogsk.f	BREIEvBothrk.f	AsHtkLogsk.f	SurfBoth.f
657	208	153847	68618.85867307335	929017.3170250766	-00.5656688	362608.8136464266	366055.1445129571	4365217.84873684	2844.0642570918085	2661.8055789469769	2616.3972429977875	2634.278171016563	54.0833694882196	27.527408390206548
658	208	153848	68627.85867307335	929017.3170250766	-00.5654326	366216.1394456907	366213.859342607	4365213.859342607	2838.58986732974	2660.301030559495	2614.896134156361	2631.6809726772954	54.1762624031387	28.362117328765677
659	208	153849	68638.85867307335	929017.3170250766	-00.5651884	366417.1342486194	366420.869611231	436513.1088031417	2858.306273484868	2658.306273484868	2615.083383631194	2634.278171016563	54.22274478074846	27.527408390206548
660	208	153850	68649.85867307335	929017.3170250766	-00.5649336	366617.363643296	366620.869611231	436505.26800806804	2863.671920153005	2665.596722411176	2616.0483905037804	2625.813470984185	54.90223271746755	30.765251420690929
661	208	153851	68660.85867307335	929017.3170250766	-00.5646902	366818.123473074	366820.9193022617	436507.2827166217	2872.96612718674	2654.913173925652	2608.2580291658564	2616.560474000898	54.656108763706015	33.3536392887635
662	208	153852	68671.85867307335	929017.3170250766	-00.56445828	367020.1178926073	367023.9193022617	436509.1049248617	2882.1059424818273	2653.2568510818273	2605.4047862229004	2616.560474000898	54.740876354826985	37.313819742826735
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665	208	153855	68704.85867307335	929017.3170250766	-00.5637373	367623.1064484297	367626.9193022617	436517.926512028	2904.407854654155	2658.06098523723	2609.38801902564	2606.1417571456786	54.896396238287	46.8628999798388
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675	208	153865	68814.85867307335	929017.3170250766	-00.5612982	369633.1064484297	369636.9193022617	436537.926512028	3014.5200120287635	2708.06098523723	2619.5200120287635	2606.1417571456786	55.1969120287635	76.8628999798388
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685	208	153875	68924.85867307335	929017.3170250766	-00.5588592	371643.1064484297	371646.9193022617	436557.926512028	3124.6310120287635	2758.06098523723	2629.6310120287635	2606.1417571456786	55.4969120287635	106.8628999798388
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688	208	153878	68957.85867307335	929017.3170250766	-00.5581275	372246.1064484297	372249.9193022617	436563.926512028	3157.6643120287635	2773.06098523723	2632.6643120287635	2606.1417571456786	55.5869120287635	115.8628999798388
689	208	153879	68968.85867307335	929017.3170250766	-00.5578836	372447.1064484297	372450.9193022617	436565.926512028	3168.6754120287635	2778.06098523723	2633.6754120287635	2606.1417571456786	55.6169120287635	118.8628999798388
690	208	153880	68979.85867307335	929017.3170250766	-00.5576397	372648.1064484297	372651.9193022617	436567.926512028	3179.6865120287635	2783.06098523723	2634.6865120287635	2606.1417571456786	55.6469120287635	121.8628999798388
691	208	153881	68990.85867307335	929017.3170250766	-00.5573958	372849.1064484297	372852.9193022617	436569.926512028	3190.6976120287635	2788.06098523723	2635.6976120287635	2606.1417571456786	55.6769120287635	124.8628999798388
692	208	153882	69001.85867307335	929017.3170250766	-00.5571519	373050.1064484297	373053.9193022617	436571.926512028	3201.7087120287635	2793.06098523723	2636.7087120287635	2606.1417571456786	55.7069120287635	127.8628999798388
693	208	153883	69012.85867307335	929017.3170250766	-00.5569080	373251.1064484297	373254.9193022617	436573.926512028	3212.7198120287635	2798.06098523723	2637.7198120287635	2606.1417571456786	55.7369120287635	130.8628999798388
694	208	153884	69023.85867307335	929017.3170250766	-00.5566641	373452.1064484297	373455.9193022617	436575.926512028	3223.7309120287635	2803.06098523723	2638.7309120287635	2606.1417571456786	55.7669120287635	133.8628999798388
695	208	153885	69034.85867307335	929017.3170250766	-00.5564202	373653.1064484297	373656.9193022617	436577.926512028	3234.7420120287635	2808.06098523723	2639.7420120287635	2606.1417571456786	55.7969120287635	136.8628999798388
696	208	153886	69045.85867307335	929017.3170250766	-00.5561763	373854.1064484297	373857.9193022617	436579.926512028	3245.7531120287635	2813.06098523723	2640.7531120287635	2606.1417571456786	55.8269120287635	139.8628999798388
697	208	153887	69056.85867307335	929017.3170250766	-00.5559324	374055.1064484297	374058.9193022617	436581.926512028	3256.7642120287635	2818.06098523723	2641.7642120287635	2606.1417571456786	55.8569120287635	142.8628999798388
698	208	153888	69067.85867307335	929017.3170250766	-00.5556885	374256.1064484297	374259.9193022617	436583.926512028	3267.7753120287635	2823.06098523723	2642.7753120287635	2606.1417571456786	55.8869120287635	145.8628999798388
699	208	153889	69078.85867307335	929017.3170250766	-00.5554446	374457.1064484297	374460.9193022617	436585.926512028	3278.7864120					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevLogKrg.f	BR/ElevBothKrg.f	SatHtLog.f	SatHtBoth.f
53	209	153973	-336621.1413	929677.3170250766	39.42227760841076	-101.9904377	242576.1372063035	4367907.07038446	3857.6718006670273	3658.3889892726067	3549.713099772142	3550.275324922016385	115.11354807098814	115.11354807098814
54	209	153974	-335961.1413	929677.3170250766	39.42233059191474	-101.9881128	242777.2456000997	4597902.3611013279	3853.3863529102994	3644.042189771801	3549.159987942254	3546.364228349574	116.6799906290982	116.6799906290982
55	209	153975	-335301.1413	929677.3170250766	39.42233230317189	-101.987158	242878.3618914847	4597902.3611013279	3848.3896166968989	3652.848343342565	3549.158346311195	3551.7670652203983	116.71758621486578	116.71758621486578
56	209	153976	-334641.1413	929677.3170250766	39.4223464236216054	-101.9843331	243179.47038350274	4597902.3611013279	3843.919040420939	3660.00627391389	3549.158346311195	3547.269429576662	116.856746775266	116.856746775266
57	209	153977	-333981.1413	929677.3170250766	39.42236927182587	-101.9810082	243380.5849381845	4597902.3611013279	3838.44019273614	3659.3791001286246	3547.958092283724	3564.8227237962827	117.02100784610057	117.02100784610057
58	209	153978	-333321.1413	929677.3170250766	39.422390474930336	-101.9787633	243581.69692985262	4597902.3611013279	3832.9604810676373	3657.844037328223	3546.186072489047	3570.4114126239251	117.16579647434155	117.16579647434155
59	209	153979	-332661.1413	929677.3170250766	39.422418432393487	-101.9764284	243782.08011196117	4597902.3611013279	3828.509413621596	3656.3214369199027	3544.269283715548	3582.696415012159	117.05215231757548	117.05215231757548
60	209	153980	-332001.1413	929677.3170250766	39.42243745583973	-101.9740035	243983.9104403485	4597902.3611013279	3825.08986144623	3641.812050575099	3542.254500869933	3601.371728953967	117.15596250614659	117.15596250614659
61	209	153981	-331341.1413	929677.3170250766	39.42246021645655	-101.971578	244185.0297157822	4597902.3611013279	3823.316690734863	3635.816690734863	3540.191280968345	3599.795144818204	117.12541001789118	117.12541001789118
62	209	153982	-330681.1413	929677.3170250766	39.4224832634947	-101.9694237	244392.1401367354	4597902.3611013279	3818.242142119134	3631.850594735257	3537.898374565896	3577.0145555716377	117.14869810716377	117.14869810716377
63	209	153983	-330021.1413	929677.3170250766	39.422505413564376	-101.9670088	244587.5705502242	4597902.3611013279	3815.388638662076	3635.4171774883102	3561.571274736975	3549.065337376037	117.15946533737603	117.15946533737603
64	209	153984	-329361.1413	929677.3170250766	39.42252794645925	-101.9647538	244780.3620080624	4597902.3611013279	3812.013729371502	3648.911205683594	3533.02629647596	3548.43100894751	117.15845269890472	117.15845269890472
65	209	153985	-328701.1413	929677.3170250766	39.42255043386405	-101.962419	244989.469883675	4597902.3611013279	3810.816028238968	3640.31798647453125	3530.1798647453125	3571.28372116359287	117.18727116359287	117.18727116359287
66	209	153986	-328041.1413	929677.3170250766	39.422572786168715	-101.9600841	245190.579294061	4597902.3611013279	3808.531025546234	3646.022347910115	3527.912112632373	3535.4366396432747	118.1101342673778	118.1101342673778
67	209	153987	-327381.1413	929677.3170250766	39.42259527337322	-101.9577492	245391.6884521604	4597902.3611013279	3806.881894574373	3644.580250732633	3525.75205707256	3538.892432429151	118.1218509586807	118.1218509586807
68	209	153988	-326721.1413	929677.3170250766	39.422617625477514	-101.9554143	245592.7973581936	4597902.3611013279	3805.80319431679	3643.157152440914	3522.790640984558	3541.09178016757983	120.3609742593344	120.3609742593344
69	209	153989	-326061.1413	929677.3170250766	39.42263993248154	-101.9530794	245793.9060123558	4597902.3611013279	3804.76484020097	3641.73372206894	3520.14522035561	3550.2140281895812	121.58849518133329	121.58849518133329
70	209	153990	-325401.1413	929677.3170250766	39.42266219	-101.9507445	245993.014	4597902.3611013279	3803.704717308263	3640.315391183383	3517.4991105722083	3565.931764198145	122.61826061114753	122.61826061114753
71	209	153991	-324741.1413	929677.3170250766	39.42268441118872	-101.9484096	246196.1226589368	4597902.3611013279	3801.27508243589	3638.901841200937	3515.274236	3599.6703670545476	123.62760544655703	123.62760544655703
72	209	153992	-324081.1413	929677.3170250766	39.42270658289173	-101.9460747	246397.2054656826	4597902.3611013279	3799.464635835248	3637.4925479044787	3512.2954894477005	3597.934356477183	125.19704545677813	125.19704545677813
73	209	153993	-323421.1413	929677.3170250766	39.42272870949432	-101.9437398	246598.381146262	4597902.3611013279	3793.663845	3636.08892688734	3509.631649639935	3585.531581677819	126.4552322879919	126.4552322879919
74	209	153994	-322761.1413	929677.3170250766	39.4227501910747	-101.9414048	246799.44551229734	4597902.3611013279	3788.59525882327	3634.684005320536	3507.2529150936425	3536.8054624115252	127.0139322689406	127.0139322689406
75	209	153995	-322101.1413	929677.3170250766	39.42277230950766	-101.939158	246999.55279504145	4597902.3611013279	3783.845785	3633.824475789694	3504.71502769444	3531.71502769444	128.0171502769444	128.0171502769444
76	209	153996	-321441.1413	929677.3170250766	39.422794581871016	-101.936735	247201.6595605404	4597902.3611013279	3782.94287283592	3631.88239719154	3500.672463364544	3512.739941280748	131.20991153289697	131.20991153289697
77	209	153997	-320781.1413	929677.3170250766	39.42281676491064	-101.9344001	247402.7603302292	4597902.3611013279	3780.8716034134	3630.482129457537	3497.835912686734	3513.28375763243	132.64621678881338	132.64621678881338
78	209	153998	-320121.1413	929677.3170250766	39.422838660104	-101.9320652	247603.872699622	4597902.3611013279	3780.8716034134	3629.08112883401	3494.895923394597	3509.83344111016	134.1852054396133	134.1852054396133
79	209	153999	-319461.1413	929677.3170250766	39.42286052200968	-101.9297303	247804.9788441137	4597902.3611013279	3778.049862956037	3627.9187618269637	3492.09868010254	3505.96168326	135.02893808251064	135.02893808251064
80	209	154000	-318801.1413	929677.3170250766	39.42288233290813	-101.9273935	248006.0847453936	4597902.3611013279	3774.425175489915	3625.93304034401	3489.807466629646	3503.241457796954	136.46589141465438	136.46589141465438
81	209	154001	-318141.1413	929677.3170250766	39.42290468705083	-101.9250664	248208.295789965	4597902.3611013279	3770.84833918125	3623.819327746591	3487.93327746591	3501.215277746591	137.7388571895133	137.7388571895133
82	209	154002	-317481.1413	929677.3170250766	39.42292691540273	-101.9227255	248408.295789965	4597902.3611013279	3767.175805405	3623.41165513243	3485.914135050607	3503.419571609687	138.75057500734672	138.75057500734672
83	209	154003	-316821.1413	929677.3170250766	39.42294748	-101.9203096	248609.4003956684	4597902.3611013279	3765.02512133957	3620.03163621691	3489.0732899446633	3504.814473897347	139.9943731722766	139.9943731722766
84	209	154004	-316161.1413	929677.3170250766	39.42296912549398	-101.9180556	248810.505840384	4597902.3611013279	3764.03164003360	3620.0467959240397	3489.04953813673	3513.778641363673	141.5552405768126	141.5552405768126
85	209	154005	-315501.1413	929677.3170250766	39.4229907108825	-101.9157207	249011.610492561	4597902.3611013279	3763.66024842605	3619.168668517326	3488.036990790634	3501.381526801325	143.3079673669927	143.3079673669927
86	209	154006	-314841.1413	929677.3170250766	39.42301125118154	-101.9133858	249212.7149649377	4597902.3611013279	3762.791275786093	3617.720649613785	3488.261375874093	3505.42129193335	145.459273782538	145.459273782538
87	209	154007	-314181.1413	929677.3170250766	39.42303376715523	-101.9110588	249431.81905219873	4597902.3611013279	3762.001111078427	3616.25739394946	3487.5587569331102	3495.3383331102	146.6985317978555	146.6985317978555
88	209	154008	-313521.1413	929677.3170250766	39.42305516487658	-101.9087159	249651.42229994145	4597902.3611013279	3761.32610918695	3614.714151738167	3486.572603349475	3503.71502769444	148.0171502769444	148.0171502769444
89	209	154009	-312861.1413	929677.3170250766	39.42307760148232	-101.906381	249816.01625193253	4597902.3611013279	3760.45110727962	3613.2653890714373	3485.91596089805	3507.757836218	149.7387898816280	149.7387898816280
90	209	154010	-312201.1413	929677.3170250766	39.4230978134423	-101.904046	250017.1300327432	4597902.3611013279	3759.576105	3611.7239584711233	3483.706147008496	3483.76685109335	150.0187113062723	150.0187113062723
91	209	154011	-311541.1413	929677.3170250766	39.42311927613211	-101.9017111	250218.23319747322	4597902.3611013279	3758.0513013008167	3610.145837973938	3481.946933744121	3481.784121806253	152.1899042298169	152.1899042298169
92	209	154012	-310881.1413	929677.3170250766	39.423140514851876	-101.8993762	250419.3361154361	4597902.3611013279	3757.4374035804	3608.330677845853	3479.63342199124	3482.5664090332977	152.89719564561326	152.89719564561326
93	209	154013	-310221.1413	929677.3170250766	39.42316177040416	-101.8970412	250620.438764667	4597902.3611013279	3756.87102868337	3606.8820240921045	3478.962631488734	3484.36632628778	153.919392603321	153.919392603321
94	209	154014	-309561.1413	929677.3170250766	39.42318294889523	-101.894763	250821.5412	4597902.3611013279	3756.01008251947	3605.2039632206	3474.933711578652	3486.078061626916	155.2678697420994	155.2678697420994
95	209	154015	-308901.1413	929677.3170250766	39.42320421356568	-101.892438	251022.638658585	4597902.3611013279	3755.147151781184	3604.342215256561	3474.5447239808301	3484.36632628778	156.4444104322	156.4444104322
96	209	154016	-308241.1413	929677.3170250766	39.42322517358243	-101.8900364	251223.7							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElev.Bkthg.f	SatH.Kg.f	SatH.Bkthg.f
179	159	154099	-253461.1413	929677.3170250766	39.42481835673969	-101.69622136	267914.3674982367	4367390.207299327	3560.07934678605954	3425.7477352235405	3332.3010773081623	3329.9241834573495	120.44665791537818	122.82235176619103
180	159	154100	-252801.1413	929677.3170250766	39.42483565737053	-101.6938986	268115.4484736437	4367386.118246146	3566.7341579769864	3421.287674964216	3327.5574734346606	3325.7213837091584	120.7913030274516	125.5661527561946
181	159	154101	-252451.1413	929677.3170250766	39.42485291286946	-101.6916516	268316.5312	4367382.05627193	3573.3889266198108	3424.822489491108	3324.62162081756937	3322.6810543940305	120.74413343070487	125.5661527561946
182	159	154102	-251481.1413	929677.3170250766	39.424870123318684	-101.6892265	268517.173811687	4367380.476075781	3580.0437756076164	3448.326711636216	3327.561273519635	3322.1927433102572	126.791353416827	126.1508798833896
183	159	154103	-250821.1413	929677.3170250766	39.4248782863593	-101.6888915	268718.6940276975	4367373.852305383	3587.5302730698626	3446.87252321888	3319.8531779611208	3320.7601073091143	127.02507436076712	126.48718193074501
184	159	154104	-250161.1413	929677.3170250766	39.42490441	-101.6845564	268919.750890112	4367369.764090032	3595.8484396436253	3445.3990548048173	3317.762934344514	3321.762934344514	127.63699947726319	127.63699947726319
185	159	154105	-249501.1413	929677.3170250766	39.42492148356564	-101.6822213	269120.850252135	4367365.67085122	3601.6736156052138	3443.91110875288	3318.4665199190176	3320.4525909628852	126.0443233662994	126.0443233662994
186	159	154106	-248841.1413	929677.3170250766	39.424938513960036	-101.6798863	269321.9365278166	4367361.588248445	3612.484790343781	3442.4383370871737	3317.64503681871	3317.229375089844	124.7923430430264	125.2098619821937
187	159	154107	-248181.1413	929677.3170250766	39.42495549885974	-101.677512	269523.0169057029	4367357.206523192	3616.530243288796	3441.537495603217	3316.537495603217	3316.306158973034	124.422361322919	125.2098619821937
188	159	154108	-247521.1413	929677.3170250766	39.42497243865272	-101.6752162	269724.097056239	4367353.413	3629.49046782916	3440.49046782916	3314.96659445591	3314.97762914807	124.50359343633	124.50359343633
189	159	154109	-246861.1413	929677.3170250766	39.42498983334199	-101.6728811	269925.17697056476	4367349.320261735	3616.075433303331	3438.0433303331	3313.316983800575	3313.4598671882	124.714452427753	124.484345661885
190	159	154110	-246201.1413	929677.3170250766	39.42500618292646	-101.6705461	270126.2566758974	4367345.239024915	3615.848433934643	3436.6051925413767	3311.477490734153	3311.891253687975	125.1277018722734	124.7143938831924
191	159	154111	-245541.1413	929677.3170250766	39.425022987460116	-101.668211	270327.3615445603	4367341.152233691	3615.2128892590617	3309.5340276784923	3310.6917859265	3310.6917859265	125.6788815805645	125.6788815805645
192	159	154112	-244881.1413	929677.3170250766	39.425039474678093	-101.6658759	270528.415384632	4367339.056480506	3607.11925309403	3433.86411433052	3307.7103318495297	3307.7103318495297	125.517605983221	125.517605983221
193	159	154113	-244221.1413	929677.3170250766	39.42505646105084	-101.6635409	270729.494059547	4367332.975679995	3601.370557052014	3432.588799997855	3306.6492261937155	3306.399248208683	126.9195368413997	126.9195368413997
194	159	154114	-243561.1413	929677.3170250766	39.42507313021585	-101.6612658	270930.5731955702	4367328.8930318	3595.631801655653	3431.3165342809653	3304.59086469035	3304.72892841882	127.7204769310313	126.9195368413997
195	159	154115	-242901.1413	929677.3170250766	39.42508975427593	-101.6588708	271131.8518	4367324.807124904	3593.4005940022745	3430.1015014043555	3303.166133314241	3303.2872887259477	126.40416890911464	126.8142126784077
196	159	154116	-242241.1413	929677.3170250766	39.42510633323101	-101.6565357	271332.370308866	4367320.721361244	3592.21894	3428.913941	3299.6696773482275	3301.8512657369516	129.2440638197628	127.06126158016838
197	159	154117	-241581.1413	929677.3170250766	39.425122867081136	-101.6542066	271533.8002120991	4367316.63503443	3587.61843288384	3427.74398606619	3299.68815848335	3300.4901289436	129.05573023028404	127.3242955178315
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202	159	154122	-238281.1413	929677.3170250766	39.425205459753475	-101.6425253	272539.1955022865	4367292.211055398	3592.73381399137	3421.94059837355	3292.4781299692154	3298.439181175632	126.4695596833583	126.81071142002163
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206	159	154126	-235641.1413	929677.3170250766	39.4252696420952	-101.633185	273343.501256918	4367279.870529763	3586.304447236463	3417.20995995416	3285.029009756738	3303.98319711086	126.1890591966776	126.9195368413997
207	159	154127	-234981.1413	929677.3170250766	39.4252859724807814	-101.6308498	273544.5710684143	4367274.791527065	3584.812953279227	3416.07242928989	3283.6592819189	3307.1252477793003	126.35647015477003	126.9195368413997
208	159	154128	-234321.1413	929677.3170250766	39.4253026250079	-101.6285148	273745.079238079	4367271.7829938	3582.71726519546	3414.79824585904	3282.9452151674	3311.98312117119	126.3118115169642	126.9195368413997
209	159	154129	-233661.1413	929677.3170250766	39.425317755088315	-101.6261798	273946.77815342585	4367267.62138072	3582.635608106285	3413.57338097647	3281.537217900746	3314.103842134436	126.3361243076567	126.9195368413997
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215	159	154135	-229701.1413	929677.3170250766	39.42541276339903	-101.6121693	275153.1760168254	4367243.39001758	3575.056938716651	3405.8731465272717	3276.4104380937243	3302.414103937728	129.868871123488	126.9195368413997
216	159	154136	-229041.1413	929677.3170250766	39.425428404248105	-101.6098342	275354.2498339863	4367239.403402405	3572.8324164326184	3404.52956079198	3277.388347902371	3290.274575985526	129.8112129768268	126.9195368413997
217	159	154137	-228381.1413	929677.3170250766	39.42544407199151	-101.6074991	275555.32526569	4367235.967797074	3571.6714818482564	3403.1740982026417	3278.5191091730544	3288.341227025819	126.6548900295874	126.9195368413997
218	159	154138	-227721.1413	929677.3170250766	39.42545965862932	-101.605164	275756.396539111	4367230.8865679	3568.387778635325	3401.806857510453	3279.172608986925	3302.4042285303574	126.63427455415281	126.9195368413997
219	159	154139	-227061.1413	929677.3170250766	39.42547530161942	-101.6028289	275957.4071572409	4367226.905591929	3566.518474641138	3400.427983714148	3279.04894959589	3286.04413917351	126.4756771185899	126.9195368413997
220	159	154140	-226401.1413	929677.3170250766	39.42549096565781	-101.6004838	276158.0343197594	4367222.74880748	3565.00088494331	3399.03765208073	3278.2090239144563	3285.09556185317	126.826295360773	126.9195368413997
221	159	154141	-225741.1413	929677.3170250766	39.42550762007139	-101.5981317	276359.18471028121	4367218.0490556	3563.2819538490556	3397.819712905156	3277.13841197831	3284.14197831	126.81197831	126.9195368413997
222	159	154142	-225081.1413	929677.3170250766	39.4255235142335	-101.5958327	276560.6844317825	4367214.554	3561.96481168724	3396.223504	3276.865728			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIEVLogKgr.f	BRIEVbothKgr.f	SatHtKos.f	SatHtBoth.f	
305	209	154225	-173030.1413	92967.3170250766	39.426643028525454	-101.402079	293248.96157123335	43668.76.603814609	304.2124245672194	3266.5983690187892	3150.2986920880821	3150.3154452052456	311.61144003796817	116.2829157162438	
306	209	154226	-169641.1413	92967.3170250766	39.426654445579911	-101.3996728	293450.0163323317	43668.76.603814609	340.292738667253	3265.310783594245	3144.0450630365974	3144.26572328764769	312.145035798770	116.2829157162438	
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308	209	154228	-168321.1413	92967.3170250766	39.4266777440245	-101.3905204	293852.12564744123	43668.76.603814609	339.533763597455	3262.7359009081187	3141.61727605186	3143.96353694813	313.08881740392132	116.2829157162438	
309	209	154229	-167661.1413	92967.3170250766	39.42668922681212	-101.3826763	294053.1794006462	43668.76.603814609	337.659692703762	3261.447848914863	3122.6020052	3121.928472256142	313.08881740392132	116.2829157162438	
310	209	154230	-167001.1413	92967.3170250766	39.4267006361378	-101.3903321	294254.23335197323	43668.76.603814609	335.7852602174392	3261.447848914863	3116.899641002886	3114.2582654630167	314.90064271192707	116.2829157162438	
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313	209	154233	-165021.1413	92967.3170250766	39.426757470337053	-101.3833266	294857.3699394858	43668.76.603814609	340.4059474758746	3256.2965204137047	3114.071708849254	3109.207233018014	314.90064271192707	116.2829157162438	
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318	209	154238	-161721.1413	92967.3170250766	39.42679053413529	-101.3716507	295862.6577021947	43668.76.603814609	341.0458092	3249.941673849584	3122.2916975946964	3102.260554472228	314.90064271192707	116.2829157162438	
319	209	154239	-161061.1413	92967.3170250766	39.42680156496372	-101.3693156	296063.70984172414	43668.76.603814609	341.0458092	3248.89937	3121.79335250139	3098.279903477644	314.90064271192707	116.2829157162438	
320	209	154240	-160401.1413	92967.3170250766	39.4268125506389	-101.3669804	296264.761780933	43668.76.603814609	341.0458092	3247.8437722039763	3120.6103279428004	3094.16485170969	314.90064271192707	116.2829157162438	
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323	209	154243	-158421.1413	92967.3170250766	39.426845327194655	-101.3599749	296867.9163993031	43668.76.603814609	341.0458092	3243.737047488214	3117.8818184841584	3108.58414831365	314.90064271192707	116.2829157162438	
324	209	154244	-157761.1413	92967.3170250766	39.4268560428165	-101.3576397	297068.961397153	43668.76.603814609	341.0458092	3242.464691671513	3117.33444263234	3125.931166434967	314.90064271192707	116.2829157162438	
325	209	154245	-157101.1413	92967.3170250766	39.4268668266029	-101.3553045	297270.018480647	43668.76.603814609	341.0458092	3241.456999701234	3116.823475926403	3128.72230134866	314.90064271192707	116.2829157162438	
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333	209	154253	-151821.1413	92967.3170250766	39.4269516019144	-101.336629	298878.4189861351	43668.76.603814609	341.0458092	3233.24794689911	3108.9674148888	3110.175182801693	3115.557762160275	314.90064271192707	116.2829157162438
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345	209	154265	-143901.1413	92967.3170250766	39.42707253453455	-101.308608	301290.9597949016	43668.76.603814609	341.0458092	3221.0436321295	3214.944494387304	3097.285446114486	3095.456367186954	314.90064271192707	116.2829157162438
346	209	154266	-143241.1413	92967.3170250766	39.4270823455214	-101.306356	301492.402841456	43668.76.603814609	341.0458092	3220.053634995	3213.5630752831807	3097.085039279485	3094.3675405015917	314.90064271192707	116.2829157162438
347	209	154267	-142581.1413	92967.3170250766	39.4270922523277	-101.304089	301693.478914904	43668.76.603814609	341.0458092						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevKgr.ft
431	209	154351	-87141.14133	92967.71370250766	39.42775157	-101.1077724	118580.33604397604	4366366.250483674	3215.7492906994978	3066.8334770712913	3066.833474646648	3006.93582017819	58.046323066256948	58.71686989590406
432	209	154352	-86484.114133	92967.71370250766	39.4277515705086	-101.1054377	118781.36144523997	4366362.31018152	3215.448456273866	3064.6471733064324	3064.6471754277912	3006.935734059285	58.3339787864118	58.6603590073988
433	209	154353	-85821.14133	92967.71370250766	39.4277515706206	-101.1031919	118892.2627863024	4366358.175356444	3211.147618267874	3061.628518601667	3061.628518601667	3001.9700149384616	58.05354871388164	58.7390429125829
434	209	154354	-85161.14133	92967.71370250766	39.42776923344744	-101.1007677	119183.426351444	4366354.139	3208.84678431642	3059.13427831158	3059.134279117626	2998.965142322364	58.781014364395234	58.14626105982148
435	209	154355	-84501.14133	92967.71370250766	39.4277763168683	-101.0984314	119384.45281494444	4366350.10184331	3206.4431510829154	3057.259979937675	2996.7137109679343	2996.41384136407	58.54626902532326	58.064810583760726
436	209	154356	-83841.14133	92967.71370250766	39.427780784224	-101.0960962	119585.4828135067	4366348.90151315	3205.411792488673	3055.411792488673	2993.581571865338	2993.581571865338	58.62622277344	62.1367287287724
437	209	154357	-83181.14133	92967.71370250766	39.42778648267584	-101.093761	119786.5128453437	4366342.02874681	3203.643224452325	3053.5910555893267	2991.0913823070055	2990.804244492784	58.4996225323214	62.78760616327
438	209	154358	-82521.14133	92967.71370250766	39.42779215549928	-101.0914257	119987.5425966886	4366337.99202714	3198.92383454821	3051.1014704861294	2988.725936209364	2988.5458460474285	58.0713427677304	63.2552241148494
439	209	154359	-81861.14133	92967.71370250766	39.427797777	-101.0889919	120188.5721720522	4366335.856430375	3197.12885323075	3050.045861632058	2986.35268355654	2986.5007290913815	58.0339527710365	63.494865147632
440	209	154360	-81201.14133	92967.71370250766	39.42780334581575	-101.0867535	120389.9015171769	4366329.80269272	3196.04535576797	3048.92890487911	2984.37722734097	2984.906719983237	63.0595777	63.421895
441	209	154361	-80541.14133	92967.71370250766	39.42780887	-101.08442	120590.630719614093	4366325.849645795	3194.961816421438	3046.633974793765	2982.656004231466	2982.656004231466	63.9973831028292	63.6787719308465
442	209	154362	-79881.14133	92967.71370250766	39.4278143559162	-101.082048	120791.65984528756	4366321.454965622	3193.875829456027	3045.022944364612	2981.4165918570197	2981.6867916131555	63.0635250759242	63.4871521745666
443	209	154363	-79221.14133	92967.71370250766	39.4278197926429	-101.0797495	120992.6887194427	4366317.814	3192.15971225482	3043.4389824136635	2980.747133253085	2980.747133253085	62.8189301	62.690808083031
444	209	154364	-78561.14133	92967.71370250766	39.42782518512678	-101.0774413	121193.7141818425	4366310.793191022	3189.806622961146	3041.901718866745	2979.833957219314	2980.421718866745	62.0573846676052	61.8596112136506
445	209	154365	-77911.14133	92967.71370250766	39.427830532179044	-101.0750791	121394.745943465	4366309.744501317	3187.944522091384	3040.4100615202096	2978.364343604285	2978.51900570996	61.04707159971816	60.891055810234415
446	209	154366	-77241.14133	92967.71370250766	39.427835834121105	-101.0727438	121595.7742904183	4366305.709887039	3185.0987623506812	3038.9608011590717	2978.084370459268	2978.0549613307276	59.9703069891492	59.905171882344106
447	209	154367	-76581.14133	92967.71370250766	39.42784109095265	-101.070408	121796.8047026443	4366301.67476362	3182.79803334374	3037.549706359427	2978.2792106834358	2978.495427884255	59.27049562448905	59.27049562448905
448	209	154368	-75921.14133	92967.71370250766	39.4278463267456	-101.0680733	121997.834724544	4366297.61476362	3180.55203500371	3036.7505893361	2978.72047299627	2978.72047299627	59.1691124229607	59.1691124229607
449	209	154369	-75261.14133	92967.71370250766	39.427851469285926	-101.0657381	122198.8583010682	4366293.60276578	3178.3024172561636	3034.8311804294	2979.410519306027	2979.877498054057	55.42059872826712	54.9536202883712
450	209	154370	-74601.14133	92967.71370250766	39.4278567907806	-101.0634209	122399.88	4366289.73465838	3176.0546091219513	3033.510235308732	2980.40748915338	2980.40748915338	53.7047678247424	52.6515872784889
451	209	154371	-73941.14133	92967.71370250766	39.42786167177915	-101.061076	122600.913437582	4366285.53989472	3174.9419131955283	3032.201731886493	2981.65718900158	2981.98794362705	53.4754279633483	50.2138375238779
452	209	154372	-73281.14133	92967.71370250766	39.4278667	-101.0587324	122801.54074613473	4366283.74401317	3174.9432520914536	3030.899617445536	2982.601109183578	2982.601109183578	51.2885795144573	47.731617289624374
453	209	154373	-72621.14133	92967.71370250766	39.427871768	-101.0563917	122997.74237406	4366282.723287405	3174.9432520914536	3030.899617445536	2982.601109183578	2982.601109183578	51.2885795144573	47.731617289624374
454	209	154374	-71961.14133	92967.71370250766	39.4278765258883	-101.0540619	123203.949444339	4366273.44	3175.009161229634	3028.170573736885	2980.885435043737	2981.673324514577	47.275130295485	46.533240227102
455	209	154375	-71301.14133	92967.71370250766	39.42788152163854	-101.0517266	123405.9184376567	4366271.83040751905	3174.878017701788	3026.739576140374	2978.2779082733523	2978.473472725584	46.8168934	46.26126874179036
456	209	154376	-70641.14133	92967.71370250766	39.42788632747795	-101.0493914	123606.0485257258	4366261.374040845	3171.620359366118	3025.279694906734	2978.5245801089232	2978.5245801089232	50.6348093946130	50.6348093946130
457	209	154377	-69981.14133	92967.71370250766	39.42789117820706	-101.0470562	123807.074968570	4366261.34265705	3169.3525769533615	3023.89525244411	2977.02106920487237	2977.02106920487237	51.7988373431398	51.7988373431398
458	209	154378	-69321.14133	92967.71370250766	39.4278959382583	-101.0447209	124008.10097250424	4366257.31	3167.086800404992	3022.3041834270912	2976.0958697888723	2976.0958697888723	52.24431363218955	53.537572300650891
459	209	154379	-68661.14133	92967.71370250766	39.42790065433675	-101.0423857	124209.6127146659	4366253.278	3164.788324084643	3020.877199	2976.364343604285	2976.364343604285	51.4833257670958	51.4833257670958
460	209	154380	-68001.14133	92967.71370250766	39.42790532473466	-101.0400504	124410.151051391	4366248.24656928	3162.42690571701	3019.423129819267	2976.08310142384	2976.08310142384	51.4833257670958	51.4833257670958
461	209	154381	-67341.14133	92967.71370250766	39.427909506022354	-101.0377152	124611.17868428	4366245.1830844	3160.102595706816	3017.8790413125447	2969.380220109155	2969.380220109155	48.5988121059322	62.0411255259975
462	209	154382	-66681.14133	92967.71370250766	39.4279145319071	-101.0353799	124812.20445317065	4366241.210740444	3157.722335451654	3016.545040433047	2973.767812708147	2973.767812708147	46.5078334899917	62.777277377125
463	209	154383	-66021.14133	92967.71370250766	39.42791906526671	-101.0330447	125013.22986703165	4366237.152586228	3154.397129232194	3015.119999411519	2973.02899762275	2973.02899762275	47.2709694924388	62.8543571045377
464	209	154384	-65361.14133	92967.71370250766	39.42792355223295	-101.0307094	125214.2551174415	4366233.12163458	3153.70315450408	3013.70315450408	2969.97429157383	2969.97429157383	47.3108623025278	62.978733228985
465	209	154385	-64701.14133	92967.71370250766	39.427928	-101.0283742	125415.28910972374	4366229.90888158	3154.617437465191	3012.295240712228	2968.9649917789402	2968.9649917789402	43.299724478234	62.07673798879808
466	209	154386	-64041.14133	92967.71370250766	39.4279335440373	-101.026039	125616.1848491136	4366221.823316275	3153.158597673056	3010.847463712714	2968.1436732718	2968.1436732718	41.922238612716	59.8941173389897
467	209	154387	-63381.14133	92967.71370250766	39.42793875544073	-101.0230737	125817.32963574574	4366221.030038615	3153.554613	3009.902240133288	2968.389628839135	2968.389628839135	40.9731129097571	60.33037132904575
468	209	154388	-62721.14133	92967.71370250766	39.42794103345724	-101.021365	126018.3544018685	4366216.969966583	3152.0459502	3008.119127586727	2960.33717949554	2968.002319002588	47.78194843713924	60.116805837694
469	209	154389	-62061.14133	92967.71370250766	39.42794532385029	-101.0190332	126219.378973831	4366212.96993321	3151.6429381	3006.7448620177784	2965.94524	2965.94524	60.9218601255568	60.9218601255568
470	209	154390	-61401.14133	92967.71370250766	39.42794954744424	-101.016698	126420.40325367	4366208.40120378	3150.391824858677	3005.2791824858677	2961.198582	2961.198582	54.18000641448307	62.6954431148307
471	209	154391	-60741.14133	92967.71370250766	39.42795371828125	-101.0143627	126621.4293187472	4366204.91067298	3152.119435195225	3004.071021827137	2965.83348661052	2965.83348661052	51.878526208526	64.9310447974018
472	209	154392	-60081.14133	92967.71370250766	39.42795786509131	-101.012073	12682245	4366200.81	3151.941874765191	3002.71462507081	2965.736145266184	2965.736145266184	61.9586827423256	66.9494764788635
473	209	154393	-59421.14133	92967.71370250766	39.42796281948491	-101.0098169	127028.4769181936	4366198.45408918	3151.776508404947	3001.746259718	2964.71389450148	2964.71389450148	61.9586827423256	66.9494764788635
474	209	154394	-58761.14133	92967.71370250766	39.42796793711654	-101.007375	127234.4982431068	4366192.823316275	3151.558597673056	3000.99006272725	2965.950412654865	2965.950412654865	61.7031253812371	64.9259145745434
475	209	154395	-58101.14133	92967.71370250766										

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
547	59	15447	-3981.1411327	92967.1710250766	-39.42814394280334	-100.13135308	34908.896542129	4358569.131371262	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
558	209	15448	-3321.1411327	92967.1710250766	-39.42814419	-100.1181195	3441109.897401744	4358569.119058167	3004.4464130170218	2791.426734940875	2797.426734940875	72.1628679643985	71.8883904397184	72.1628679643985
559	209	15447	-3961.1411327	92967.1710250766	-39.42814394280334	-100.13135308	3441109.897401744	4358569.119058167	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
560	209	15448	-2001.1411327	92967.1710250766	-39.42814456	-100.800525	3451195.565011744	4358569.05601	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
561	209	15448	-1341.1411327	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
562	209	15448	-1141.1411327	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
563	209	15448	-21.1411327	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
564	209	15448	638.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
565	209	15448	1298.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
566	209	15448	1958.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
567	209	15448	2618.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
568	209	15448	3278.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
569	209	15448	3938.85667303514	92967.1710250766	-39.4281447305633	-100.8041897	344712.9252	4358569.08134789	2907.999192710879	2791.3795978039207	2798.5072247175122	2798.708573	72.027303840842	72.02726810627067
570	209	15449	4598.8566730351	92967.1710250766	-39.42814368368115	-100.7831724	346522.0345602186	4358569.09255807	2978.90132277551	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
571	209	15449	5258.8566730351	92967.1710250766	-39.42814368368115	-100.7831724	346522.0345602186	4358569.09255807	2978.90132277551	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
572	209	15449	5918.8566730351	92967.1710250766	-39.42814294465135	-100.778019	346024.0216714606	4358569.07849096	2978.90132277551	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
573	209	15449	6578.8566730351	92967.1710250766	-39.42814294465135	-100.778019	346024.0216714606	4358569.07849096	2978.90132277551	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
574	209	15449	7238.8566730351	92967.1710250766	-39.42814294465135	-100.778019	346024.0216714606	4358569.07849096	2978.90132277551	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
575	209	15449	7898.8566730351	92967.1710250766	-39.428145132829635	-100.774961	347527.044848562	4358569.784850316	2977.49962494582	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
576	209	15449	8558.8566730351	92967.1710250766	-39.4281409378963	-100.7691608	347728.052274534	4358569.846018444	2964.092511418791	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
577	209	15449	9218.8566730351	92967.1710250766	-39.4281409378963	-100.7691608	347728.052274534	4358569.846018444	2964.092511418791	2794.366598499736	2813.37802471954	72.1830549891964	72.06530306195	72.1830549891964
578	209	15449	9878.8566730351	92967.1710250766	-39.4281397176914	-100.764903	34810.066969522	43567.743027924	2957.7176036398281	2793.166952588703	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
579	209	15449	10538.8566730351	92967.1710250766	-39.4281397176914	-100.764903	34810.066969522	43567.743027924	2957.7176036398281	2793.166952588703	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
580	209	15450	11198.8566730351	92967.1710250766	-39.42813826952105	-100.7598198	348522.036053625	43567.76905771	2905.969534027553	2829.453008879095	2747.421546820963	72.14253734967386	72.014616693412	72.14253734967386
581	209	15450	11858.8566730351	92967.1710250766	-39.42813748152695	-100.7547845	348733.0872211113	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
582	209	15450	12518.8566730351	92967.1710250766	-39.4281366448202	-100.7551493	348934.0376940713	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
583	209	15450	13178.8566730351	92967.1710250766	-39.4281357202633	-100.752814	349135.1001714574	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
584	209	15450	13838.8566730351	92967.1710250766	-39.42813485	-100.7504788	349336.1064274631	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
585	209	15450	14498.8566730351	92967.1710250766	-39.42813398424216	-100.7458042	349578.1263764551	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
586	209	15450	15158.8566730351	92967.1710250766	-39.42813286489516	-100.7405982	349718.11850271094	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
587	209	15450	15818.8566730351	92967.1710250766	-39.42813186023556	-100.743473	349939.12423128494	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
588	209	15450	16478.8566730351	92967.1710250766	-39.4281307246534	-100.7411377	350140.130095096	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
589	209	15450	17138.8566730351	92967.1710250766	-39.4281295358486	-100.7388025	350341.1356239167	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
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591	209	15451	18458.8566730351	92967.1710250766	-39.4281271049159	-100.7341319	350743.14624749904	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
592	209	15451	19118.8566730351	92967.1710250766	-39.428125862707	-100.7317867	350943.1514245026	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
593	209	15451	19778.8566730351	92967.1710250766	-39.42812465095168	-100.7294614	351145.1562934263	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
594	209	15451	20438.8566730351	92967.1710250766	-39.42812313252085	-100.7271262	351346.1611003035	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
595	209	15451	21098.8566730351	92967.1710250766	-39.4281217297571	-100.7247909	351547.165733965	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
596	209	15451	21758.8566730351	92967.1710250766	-39.42812024831981	-100.7224556	351748.1702829108	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
597	209	15451	22418.8566730351	92967.1710250766	-39.4281178355313	-100.7201204	351949.1746950509	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
598	209	15451	23078.8566730351	92967.1710250766	-39.42811718367574	-100.7177851	352150.1788923074	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
599	209	15451	23738.8566730351	92967.1710250766	-39.4281163626277	-100.7154813	352351.1836237552	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
600	209	15450	24520.8566730351	92967.1710250766	-39.428113858862	-100.7131146	352562.189822828	43567.76905771	2907.8663392578253	2747.421546820963	2796.704049237177	72.680043726647	72.46461358959345	72.680043726647
601	209	15451	25058.8566730351	92967.1710250766	-39.4281124837894									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SurfElevBothKgr.ft	SatThrust
687	209	154603	79178.85867307335	929677.3170250766	39.42782013976327	-105.19192889	669235.0373671317	4365355.229706758	2812.009158989106	26.397239733839793	2579.1919530985907	2609.4472854524383	57.10778292538867	26.850451801541006
684	209	154604	79838.85867307335	929677.3170250766	39.42781470530507	-105.169836	669436.0300559739	4365351.243306196	2811.015294900743	26.341712028184233	2573.359219513897	2607.747089597047	61.35198330452613	25.964113759868645
686	209	154605	80498.85867307335	929677.3170250766	39.42780225867876	-105.146184	669637.0248187654	4365347.257114051	2809.62542310766	26.3331299732083004	2564.664983234158	2567.367766618935	66.4618899	25.7601166546086
686	209	154606	81158.85867307335	929677.3170250766	39.4278003128463	-105.122832	669838.0150561089	4365433.271120025	2809.027483000001	26.315405445737424	2559.110905802545	2608.74718116855	72.3943079348796	22.793302666461
687	209	154607	81818.85867307335	929677.3170250766	39.42779813157142	-105.099479	670039.0073690042	4365339.285232759	2807.8089004011822	26.293951657146944	2551.0517311719315	2608.2992035646157	74.4540285953794	21.6553030865369
688	209	154608	82478.85867307335	929677.3170250766	39.42779516748056	-105.076127	670239.999557018	4365335.369736552	2806.3683190505267	26.25454210244195147	2546.221166592367	2608.4985748575246	72.148535212907518	22.148535212907518
689	209	154609	83138.85867307335	929677.3170250766	39.42778685814585	-105.052744	670440.916200918	4365331.31454708	2804.9268300704825	26.25875806252679	2545.798732689832	2603.953799712001	80.98973702460781	22.8315264067801
690	209	154610	83798.85867307335	929677.3170250766	39.42778115175944	-105.029422	670641.9835601316	4365327.291329125	2803.485345080524	26.2525409181484	2546.7232131130204	2595.7087967474471	84.4817038	22.9946837293437355
691	209	154611	84498.85867307335	929677.3170250766	39.42777540161722	-105.006067	670864.8754	4365323.34172558	2801.692542310766	26.2532697748374507	2570.0978803249246	2583.698421426256	91.62135347459489	18.723395828912416
692	209	154612	85118.85867307335	929677.3170250766	39.4277696035335	-100.498271	671043.967070921	4365319.538761819	2799.54842147533	26.2601628489562	2569.9750113904348	2584.33031	95.8268159351845	7.73032335
693	209	154613	85778.85867307335	929677.3170250766	39.42776376597942	-100.4595365	671244.958364673	4365315.374804163	2797.004317118296	26.26025036950385	2566.7003737117603	2580.7148612390241	53.0821635428204	39.78732415841876
694	209	154614	86438.85867307335	929677.3170250766	39.4277578049539	-100.436013	671445.9507917144	4365311.390421118	2795.260180621064	26.181853436997558	2566.4690771103305	2584.498578136161	52.48439589722849	38.45825886139085
695	209	154615	87098.85867307335	929677.3170250766	39.42775196	-100.491266	671646.94100421765	4365290.40625375	2792.9904735725363	26.17414256783994	2570.5889774092744	2586.6175956370824	46.2272926910605	30.80049702469085
696	209	154616	87758.85867307335	929677.3170250766	39.42774914791744	-100.4889308	671847.9326	4365293.42262395	2795.20030003489	26.151871651482195	2574.0102474466125	2590.471447120723	41.8769177	29.78907736147287
697	209	154617	88418.85867307335	929677.3170250766	39.42773995332693	-100.488596	672048.9236733478	4365289.348448495	2788.201236504802	26.1437373701943	2574.7821624665372	2588.644714700256	49.9529752359706	25.82652001011687
698	209	154618	89078.85867307335	929677.3170250766	39.42773388145671	-100.484263	672249.9146253197	4365285.96482710547	2785.804629710547	26.12187004303912	2574.031514533274	2589.037803639085	58.845598776468	23.84140791827255
699	209	154619	89738.85867307335	929677.3170250766	39.42772776424426	-100.4819251	672450.9055	4365291.471533578	2783.52017592003	26.107145270560332	2572.5811139112543	2591.9758485319276	58.8216411521799	19.4269063144473
700	209	154620	90398.85867307335	929677.3170250766	39.4277216202031	-100.4795899	672651.8961365653	4365287.4883604105	2781.342201697277	26.093475459769806	2570.9396795145867	2590.079043	60.90766462330507	19.6850313350507
701	209	154621	91058.85867307335	929677.3170250766	39.42771541902584	-100.477256	672852.886794371	4365283.50581807	2778.146262813154	26.085156422732532	2568.9514782625074	2588.418231189675	69.56404446532679	20.09819154269474
702	209	154622	91718.85867307335	929677.3170250766	39.4277109712661565	-100.4749194	673053.877123817	4365279.52617467	2776.9863254571756	26.07114374427107	2566.712302352923	2585.622068402748	71.092217014781375	21.08623736237396
703	209	154623	92378.85867307335	929677.3170250766	39.427704881187344	-100.472842	673254.86575570373	4365275.040028126	2775.040235714037	26.055733903691818	2564.4011161515805	2581.7896975016047	41.33278780123864	23.9442064015442
704	209	154624	93038.85867307335	929677.3170250766	39.42769544613004	-100.4702489	673455.8577166107	4365271.557880333	2774.2215933833387	26.04346351913315	2562.71186478544	2585.9025465136947	42.2134514747711	18.4821302763243
705	209	154625	93698.85867307335	929677.3170250766	39.42768709590957	-100.4678023	673645.789540376	4365269.488672996	2773.49412318718167	26.035177813824593	2562.10047831596	2584.3471831205497	43.088847141370308	14.24081763852484
706	209	154626	94358.85867307335	929677.3170250766	39.42768373610481	-100.4655785	673857.835494958	4365263.95349865	2769.87509338761	26.001776149017356	2558.22205394975	2585.81224778639	43.6530516757097	15.9539023871639
707	209	154627	95018.85867307335	929677.3170250766	39.427677264190756	-100.4632432	674058.827128751	4365259.11784857	2768.4808212176545	26.00051867880874	2556.8431657501937	2582.58570204517	43.657611130680206	17.933406676356753
708	209	154628	95678.85867307335	929677.3170250766	39.42767047116679	-100.460908	674259.8174501651	4365255.03223895	2767.361687135416	2599.29061938131	2555.322121	2578.67058684531	43.9684871551103	20.61456071590657
709	209	154629	96338.85867307335	929677.3170250766	39.427664185023924	-100.4585728	674460.870670645	4365251.648861253	2766.225463517354	2598.089894115566	2554.109763050338	2576.8005319497357	43.9843261128366	21.28945156182097
710	209	154630	96998.85867307335	929677.3170250766	39.42765757779919	-100.4562376	674661.7965377516	4365247.66710434	2765.12841893385	2596.9144549086333	2552.947643797706	2577.542491765108	43.9686021109273	19.37154143482526
711	209	154631	97658.85867307335	929677.3170250766	39.42765098109057	-100.4539823	674862.789540376	4365243.82567387	2764.02137630835	2597.171313819437	2554.0717813824593	2578.774687345687	43.958847141370308	14.24081763852484
712	209	154632	98318.85867307335	929677.3170250766	39.42764371979759	-100.4516771	675079.75197859	4365239.705851295	2762.404414964236	2595.61525903394	2551.453945	2579.320300364	43.911310300364	15.9539023871639
713	209	154633	98978.85867307335	929677.3170250766	39.42763748533963	-100.4492319	675264.7634484757	4365235.72459819	2760.965450718528	2593.4808453879161	2551.35678346132	2585.2763795151823	42.74016719364927	28.20446520459358
714	209	154634	99638.85867307335	929677.3170250766	39.4276306771542	-100.4469866	675465.7535286785	4365231.74507195	2759.526072786524	2592.360455734567	2551.578217	2567.800143701024	42.7778775259679	24.5480045043549
715	209	154635	100298.85867307335	929677.3170250766	39.42762386492238	-100.4445614	675666.74225172814	4365227.746921847	2758.816308115242	2591.238909216923	2551.812445383241	2566.80376361567	43.9246633764274	24.4351455526959
716	209	154636	100958.85867307335	929677.3170250766	39.4276169870106	-100.442262	675867.7311315441	4365223.784677896	2757.12152042127	2590.3678596848317	2556.874159373585	259.7592923579518	33.2529269651818	33.2529269651818
717	209	154637	101618.85867307335	929677.3170250766	39.427610064038705	-100.439891	676068.719529687	4365219.805	2756.182482161231	2589.810717003192	2554.7049343383495	2584.968678343478	42.713736644756	40.0503865261187
718	209	154638	102278.85867307335	929677.3170250766	39.427603045308107	-100.4375918	676269.7083533084	4365215.82567387	2755.10717813824593	2594.171313819437	2554.0717813824593	2578.774687345687	43.958847141370308	14.24081763852484
719	209	154639	102938.85867307335	929677.3170250766	39.427595206434795	-100.4352025	676470.6967567836	4365211.848	2754.068489	2589.80478337096	2550.118822659356	259.3292125053214	33.2529269651818	47.42254328838253
720	209	154640	103598.85867307335	929677.3170250766	39.42758904306684	-100.4328583	676671.680557414	4365207.96711939	2753.071430232694	2585.695786122316	2537.798484620974	2536.56829392496	47.899022852746	49.1282769738014
721	209	154641	104258.85867307335	929677.3170250766	39.42758192085484	-100.4305501	676872.673253224	4365203.88625054	2750.60173271	2584.5860379849437	2535.81313380178	2534.930533	47.88200418176525	49.655504748473504
722	209	154642	104918.85867307335	929677.3170250766	39.42757477229344	-100.4282148	677073.661324054	4365199.90481379	2761.07922301154	2583.42917170628	2534.33757014241	2533.696207	49.13354135638694	47.790915187894
723	209	154643	105678.85867307335	929677.3170250766	39.42756757872224	-100.4258796	677274.6619773691	4365195.90339706	2760.2356938187746	2582.356432416289	2533.071059256984	2537.78582411961385	49.28537309159184	39.28537309159184
724	209	154644	106238.85867307335	929677.3170250766	39.42756034	-100.4235444	677475.671313094	4365191.95296517	2759.420813379103	2581.2358013716103	2532.20461438997	258.4527504778776	49.0308756276053	48.7765508
725	209	154645	106898.85867307335	929677.3170250766	39.4275534530326	-100.4212953	677676.671313094	4365187.956849024	2758.416963379103	2580.118822659356	2531.7581698490924	258.4527504778776	49.0308756	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatBothKgs.ft
69	154729	-320601.1413	930337.3170250766	39.24445261754658	-101.9531081	445798.02674894314	438042.563394705	3804.4146339705226	3604.4971776704715	3519.6139533995548	3530.1024183496274	3520.8822430081689	110.39475932084406	
70	154730	-325401.1413	930337.3170250766	39.42447488002007	-101.9507371	445999.1349351598	438038.452	3804.5545752017188	3604.971832450117	3519.9619562162686	3530.74047373647	3522.10267611881138	110.35185060686450	
71	154731	-327411.1413	930337.3170250766	39.46429545810127	-101.9484392	446009.24652089676	438034.340115946	3802.1193509269854	3603.133713818666	3514.7903242061672	3533.8194081237857	3522.90178045348086	110.33707934580806	
72	154732	-324081.1413	930337.3170250766	39.4245190966252	-101.9461032	446401.35553555204	438030.228623027	3797.108904308422	3636.23744759577	3511.890705249993	3541.81892685704	3524.366707807014	110.3056227192087	
73	154733	-323241.1413	930337.3170250766	39.42454133683142	-101.9437682	446602.4579860687	438026.117	3792.098571	3634.827231195155	3502.97592618735	3530.605505067297	3526.89971956742001	104.22176122788622	
74	154734	-322761.1413	930337.3170250766	39.42456347890965	-101.9413433	446803.56526771915	438022.060720288	3787.081808774375	3633.420584154962	3505.050879702556	3517.7129171351683	3528.3696781294034	110.75794668032704	
75	154735	-322101.1413	930337.3170250766	39.4245851587255	-101.9390983	447004.671987192255	438017.895138077	3783.1758944923	3632.0169046412095	3502.4754127894685	3505.3268232178514	3525.04149187174107	126.690004904245555	
76	154736	-321441.1413	930337.3170250766	39.424607507739125	-101.9367633	447205.778897940264	438013.74140881	3780.01595542275	3630.0146023448614	3499.560027119187	3503.3003836219246	3513.054816329427	120.2845187239368	
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114	154774	-296361.1413	930337.3											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLoKgr.f	BREIEvBothKgr.f	SatHLoKgr.f	SatHBoth.f
190	210	154855	-242901.1413	930337.3170250766	34.2690250204208	-101.658921	271135.7452987302	4367526.08105708	3943.0479478736934	3304.3647560405794	3302.433279967301	3303.9721245754613	127.93147607337824	126.6263146521807
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199	210	154859	-240261.1413	930337.3170250766	34.2696854882278	-101.6495517	271940.0564364314	4367509.358345910	3589.804944382903	3425.599146679765	3295.091275149027	3299.227887242446	126.50787153073816	126.6217529437197
200	210	154860	-239601.1413	930337.3170250766	34.26986494877386	-101.6472165	272141.1336620511	4367503.653183779	3590.1851751271047	3423.47476792678	3293.437487692678	3298.511767774694	126.9867557837052	126.51248559337928
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202	210	154862	-238281.1413	930337.3170250766	34.27017610475865	-101.6425463	272543.28753209	4367497.483	3590.7673363849302	3422.06728856061	3290.131651443035	3298.696287241696	131.9356371227559	127.31700802444145
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212	210	154872	-231681.1413	930337.3170250766	34.2717821704157	-101.6191949	274554.043	4367456.64728006	3577.615550260287	3409.801491206482	3279.7816043128933	3313.071607995345	130.019869838686	96.79289312117234
213	210	154873	-231021.1413	930337.3170250766	34.27194029612025	-101.6168598	274755.117279436	4367452.564791704	3576.17498621622	3408.4959467148547	3279.358466627435	3306.831086639763	132.714800874196	110.6146806481748
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224	210	154884	-223761.1413	930337.3170250766	34.2736509539438	-101.5911732	276965.921914589	4367407.61989816	3562.930358547944	3393.71945145222	3274.781624521428	3297.81624521428	119.092098693255	116.477459330667
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226	210	154886	-222441.1413	930337.3170250766	34.273954838096	-101.5865029	277369.3271212823	4367405.1514586	3561.721695514898	3389.283701331803	3269.345160067616	3269.77242100664442	120.599147383698	110.509437483698
227	210	154887	-221781.1413	930337.3170250766	34.274106938313	-101.5841677	277570.1349944704	4367395.432	3562.94470205955	3388.80662094332	3266.342257097438	3266.206507268744	122.464349968394	122.600048255878
228	210	154888	-221121.1413	930337.3170250766	34.2742581	-101.5818326	277771.205624790487	4367391.352136249	3561.358917208027	3387.3142734661124	3262.9938118111823	3262.544716372424	124.320904549191	124.76995360327707
229	210	154889	-220461.1413	930337.3170250766	34.27440892104	-101.5794874	277972.276295675	4367387.272368958	3560.0871	3385.81236583555	3285.3470460831	3258.37379788827	126.48465572529254	127.4358606979294
230	210	154890	-219801.1413	930337.3170250766	34.274564151962	-101.5769805	278173.3468973456	4367383.190673456	3559.04990328244	3384.29464474522	3283.4047110816335	3253.84117283651	128.9314712835917	130.427174538972
231	210	154891	-219141.1413	930337.3170250766	34.2747204205083	-101.5748271	278374.4712192787	4367378.15154868	3558.960388473495	3383.231358476	3281.359218045283	3268.14731352377675	131.43713532075	133.56246718006794
232	210	154892	-218481.1413	930337.3170250766	34.2748589814692	-101.5724919	278575.4873528702	4367375.05637813	3561.990129251671	3381.23602680374	3274.12964222501	324.5687045743025	134.1063438317255	136.66722302471
233	210	154893	-217821.1413	930337.3170250766	34.275008057805	-101.5701586	278775.55726832594	4367370.95819417	3560.0200623574975	3379.687943131904	3243.038482858325	3238.64605820694	142.40186948607142	101.68842958098
234	210	154894	-217161.1413	930337.3170250766	34.2751567390192	-101.5678216	278977.626955485	4367366.80022492	3558.04990328244	3378.129446468936	3238.862647570895	3234.899172704628	139.24231871186405	130.332194224709
235	210	154895	-216501.1413	930337.3170250766	34.2753049411852	-101.5654864	279178.694456609	4367362.802056034	3556.36210037384	3376.56010371489	3232.72052602391	3230.560331369754	131.4329957789693	147.02647900173497
236	210	154896	-215841.1413	930337.3170250766	34.2754564291775	-101.5631513	279379.7657079484	4367354.24295026	3554.97309713792	3374.958740717628	3232.244513897176	3225.379738843568	142.71230911003513	148.178428
237	210	154897	-215181.1413	930337.3170250766	34.275608296796	-101.560819	279579.84867307716	4367349.01228634	3554.04990328244	3373.926172929304	3231.594622044503	3224.37130145538907	130.76157386528903	140.76157386528903
238	210	154898	-214521.1413	930337.3170250766	34.2757468412417	-101.558481	279781.930580003	4367350.593893535	3552.184378966312	3371.76557707887	3228.8804760476251</			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
321	210	154981	-1579471.1413	930337.3170250766	39.4286362344011	-101.3646593	296469.8789660527	4376012.8647040495	3412.8599747933777	324.37417227050326	3120.26151	3116.1296934493955	125.05321288135247	125.0542955656771
322	210	154982	-159081.1413	930337.3170250766	39.42864717922264	-101.3632341	296670.804045197025	3412.5299282744044	324.070013527446	3118.713400579129	3118.713400579129	3118.713400579129	124.9566079433174	124.9566079433174
323	210	154983	-158421.1413	930337.3170250766	39.428722196653417	-101.3645774	296876.264961074	3412.68761704145	331.0867609634563	324.52471680714	3117.448898989963	3117.448898989963	125.3751520064278	125.3751520064278
324	210	154984	-157761.1413	930337.3170250766	39.42866835452956	-101.3763638	296703.0334172856	3407.6000483967388	3408.53047284447223	3116.6328966068775	3126.9751058891613	3124.947183584478	114.5959835356093	114.5959835356093
325	210	154985	-157101.1413	930337.3170250766	39.428769595913316	-101.3553184	297274.04860827134	3469.696162487361	3405.974184733414	3240.318935233861	3116.121331396721	3129.426913967147	124.1972618513991	110.8890021711916
326	210	154986	-156441.1413	930337.3170250766	39.42869031125785	-101.3529831	297475.14359571474	3469.692.566	3401.417897	3239.053817649905	3115.7015605723486	3129.52304135671	105.57327735999	105.57327735999
327	210	154987	-155781.1413	930337.3170250766	39.42870098149287	-101.3506479	297676.1849243586	3469.696507089637	3401.42787183579	3237.787183579	3115.3222119935414	3126.87336373929	124.256598043339	110.4980201986884
328	210	154988	-155121.1413	930337.3170250766	39.428711606618286	-101.3483126	297877.235044475	3469.6984.48	3400.001739581028	3236.492064305136	3114.789315717752	3123.00335503043	121.7031327726162	111.4907880176672
329	210	154989	-154461.1413	930337.3170250766	39.428722196653417	-101.3459774	298076.264961074	3469.69839851007	3386.812715204448	3235.91851680714	3114.0854569866132	3121.12819188322192	119.1651811887263	119.1651811887263
330	210	154990	-153801.1413	930337.3170250766	39.42872271540328	-101.3436422	298279.34731759569	3469.67631028647	3337.151055602484	3223.8819187459463	3113.14913639651	3120.045454852895	120.7352307964524	113.8172546402076
331	210	154991	-153141.1413	930337.3170250766	39.428742311342194	-101.3413098	298480.384549796	3469.69727249094	3305.0746074191515	3232.55528460134	3111.682652170583	3118.882311627316	120.8206272	113.6732136276259
332	210	154992	-152481.1413	930337.3170250766	39.4287356602915	-101.3389177	298681.4336926466	3469.6968121647277	3392.347242020086	3231.214795200304	3110.4752727	3117.1521901689784	120.7392526024089	114.0622893511221
333	210	154993	-151821.1413	930337.3170250766	39.42874055606044	-101.3363634	298882.482337703	3469.684.156808171	3389.6198136826	3229.8571192746354	3109.1410944330996	3117.062484153575	117.7664725822004	117.7664725822004
334	210	154994	-151161.1413	930337.3170250766	39.42874741007406	-101.3343012	299083.5317749585	3469.696049147678	3386.823563245437	3228.43563280761	3108.1221698421887	3110.420443622655	120.3139437385721	118.0631179489534
335	210	154995	-150501.1413	930337.3170250766	39.428746471943193	-101.331966	299284.5805210581	3469.696141688053	3384.76667770044	3227.094640732296	3106.86478865591	3108.480528	120.2266520767023	118.6141125997633
336	210	154996	-149841.1413	930337.3170250766	39.428749496360106	-101.3296307	299485.52069533	3469.6951.984	3383.242691021313	3225.8913440217468	3106.41851459317	3106.501283161	120.2727025018151	119.1421564008155
337	210	154997	-149181.1413	930337.3170250766	39.4288050281854	-101.3272955	299686.67742149066	3469.694732380684	3381.8176704301943	3224.275063082228	3103.720842262167	3104.641384020058	120.4542188601118	119.83367769016997
338	210	154998	-148521.1413	930337.3170250766	39.42881537684719	-101.3249602	299887.7255777387	3469.683.870530856	3380.194716764703	3222.84851371597	3102.071702697531	3101.837190750465	120.7768117015488	121.0176212621705
339	210	154999	-147861.1413	930337.3170250766	39.42882550576608	-101.322625	300088.7735370994	3469.683918397994	3379.214343565548	3219.47147684839	3100.485258054216	3100.14124736718	120.9289181806232	121.2729273176057
340	210	155000	-147201.1413	930337.3170250766	39.4288358957515	-101.3202897	300289.8129853043	3469.695.7542636	3378.7775875542638	3219.074405205786	3099.0852729132835	3098.771759436587	120.889122030238	121.2629629211281
341	210	155001	-146541.1413	930337.3170250766	39.428845628274395	-101.3179545	300490.8686536016	3469.6931.7012393	3378.340829805555	3218.532108998404	3098.26716980129	3098.26716980129	120.2643919711356	120.7104552201356
342	210	155002	-145881.1413	930337.3170250766	39.4288556186382	-101.315192	300691.916234851	3469.6927.64505252	3377.904072025529	3217.060065110	3098.074357639625	3097.388567292458	119.0162297204528	120.7102328514857
343	210	155003	-145221.1413	930337.3170250766	39.42886531972836	-101.3128677	300892.9423711489	3469.691828414018	3377.089295819818	3216.0829524872	3097.189295819818	3097.189295819818	121.52509262512	121.52509262512
344	210	155004	-144561.1413	930337.3170250766	39.42887547371303	-101.310498	301040.0103926406	3469.6953.767395	3375.51830263915	3214.22511215175	3096.0849376438174	3096.83439673421	116.140734775405	117.3867231481396
345	210	155005	-143901.1413	930337.3170250766	39.428885381972836	-101.308135	301295.057175289	3469.6915.8353592	3373.6784949713864	3212.809460333384	3097.910728749534	3096.810728749534	116.8987635404048	117.7075605717913
346	210	155006	-143241.1413	930337.3170250766	39.42889514512674	-101.3062783	301496.10376778373	3469.69142317494	3371.91761905856	3211.410991358075	3097.6583451071754	3094.9222074804057	113.752647883321	116.489860410619
347	210	155007	-142581.1413	930337.3170250766	39.42890491	-101.303943	301697.150163335	3469.6907.3841799	3370.1472536198	3210.0339229000315	3097.284192487085	3097.70713875637	122.7497304129452	116.26329021246815
348	210	155008	-141921.1413	930337.3170250766	39.42891463609254	-101.3016778	301886.1966343894	3469.6931.3346394	3368.25376071194	3208.681943315793	3096.17611618286	3092.4061880170348	112.1243316974738	116.275753
349	210	155009	-141261.1413	930337.3170250766	39.428924319817256	-101.2992757	302099.2423711489	3469.6925.7581256	3368.360268	3207.36488155806	3096.704881986613	3091.090423738047	111.8549234152687	121.52509262512
350	210	155010	-140601.1413	930337.3170250766	39.42893439665727	-101.2969372	302300.2881481927	3469.695.20463331	3364.4674897791747	3206.053028156353	3094.983028156353	3094.983028156353	116.971166220456	116.971166220456
351	210	155011	-139941.1413	930337.3170250766	39.42894353422257	-101.294602	302501.33380609	3469.69150.178586	3362.598270225165	3204.792310005109	3092.612533	3092.441306	112.1797769496907	117.35100384508992
352	210	155012	-139281.1413	930337.3170250766	39.42895307671253	-101.2922667	302702.3792277205	3469.6887.096	3360.54753788503	3203.544685540997	3090.391447051585	312.5978654015174	118.51758215025145	118.51758215025145
353	210	155013	-138621.1413	930337.3170250766	39.42896257409244	-101.2899315	302903.424559361	3469.683.0422745	3358.9132173519347	3202.313831	3088.798992461116	3088.798992461116	118.5457219033517	118.5457219033517
354	210	155014	-137961.1413	930337.3170250766	39.42897202632324	-101.2879592	303104.4694974712	3469.687.988851959	3357.067721	3201.0971207932653	3086.8161634486087	3086.8161634486087	118.28095733127239	118.28095733127239
355	210	155015	-137301.1413	930337.3170250766	39.42898143352268	-101.285261	303305.5143430572	3469.684.3584448	3356.25991484835	3200.9899963	3085.95466593215	3079.25467346573	114.9972563710841	120.63522941069867
356	210	155016	-136641.1413	930337.3170250766	39.4289925755177	-101.2829257	303506.55895192	3469.682.8223251	3350.817819	3200.744881982764	3077.16277292354	3077.16277292354	121.52509262512	121.52509262512
357	210	155017	-135981.1413	930337.3170250766	39.429000112511304	-101.280955	303707.6034553164	3469.6829.368085	3347.256429397128	3200.766300175305	3076.46230779328	3076.46230779328	116.9158287621937	116.9158287621937
358	210	155018	-135321.1413	930337.3170250766	39.42900938434072	-101.2782552	303908.6472769846	3469.682.776613164	3347.313628	3200.744881982764	3077.16277292354	3077.16277292354	121.52509262512	121.52509262512
359	210	155019	-134661.1413	930337.3170250766	39.42901861106001	-101.27592	304109.6917978306	3469.688.724	3338.854721103728	3200.54466929692	3077.2191852465076	3077.2191852465076	122.3024714871506	122.3024714871506
360	210	155020	-134001.1413	930337.3170250766	39.4290277266098	-101.2735847	304310.735680927	3469.684.61720827	3335.687474098787	3200.54466929692	3077.2191852465076	3077.2191852465076	122.3024714871506	122.3024714871506
361	210	155021	-133341.1413	930337.3170250766	39.429036929167985	-101.271294	304511.7793719647	3469.680.61981396	3331.50739869336629	3200.54466929692	3077.2191852465076	3077.2191852465076	122.3024714871506	122.3024714871506
362	210	155022	-132681.1413	930337.3170250766	39.4290460505668	-101.2689142	304714.8228718436	3469.684.5674444	3327.33999687141	3200.54466929692	3077.2191852465076	3077.2191852465076	122.3024714871506	122.3024714871506
363	210	155023	-132021.1413	930337.3170250766	39.4290552196393	-101.266578	304915.824214528	3469.681.621	3323.176126836233	3200.54466929692	3077.2191852465076	3077.2191852465076	122.3024714871506	122.3024714871506
364	210	155024	-131361.1413	930337.3170250766	39.4290640680341	-101.264237	305114.9097097045	3469.684.43439959	3320.54140225006	3200.54466929692	3077.2191852465076	3077.219185246507		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIEVELogKrg.f	BRIEVEBothKrg.f	SatBothKrg.f	SatBoth.f
437	210	155107	-76581.14133	930337.3170250766	-39.2965390914645	-101.0704193	312800.8419382144	366502.899969579	3184.191697210084	352.125286892033	2980.2144530177407	2980.495734235802	57.93783387429221	57.656565266320815
448	210	155108	-75921.14133	930337.3170250766	-39.2965912100147	-101.06808	322001.8697268719	4964648.865139494	3182.817593912055	3036.790750384255	2980.9165529877105	2981.206514629822	58.543412396544596	55.5441905544268
449	210	155109	-75361.14133	930337.3170250766	-39.29664940876105	-101.0657442	322002.8974177745	4964648.865139494	3181.44567169163483	3035.3754542	2982.6514198138224	2983.003675057239	57.3186058723991	57.3186058723991
450	210	155110	-74601.14133	930337.3170250766	-39.29666490377733	-101.0634094	322003.9278317374	4964648.865139494	3180.063573194903	3034.018941261383	2984.901783781808	2985.1874795717747	58.1074795717747	58.1074795717747
451	210	155111	-73941.14133	930337.3170250766	-39.2967448588981	-101.0610741	322004.9520511571	4964648.865139494	3179.38333415853	3023.670043094227	2988.4033000661216	2989.0826176202536	54.26673487330175	54.26673487330175
452	210	155112	-73281.14133	930337.3170250766	-39.29679651730754	-101.0587388	322005.9971460426	4964648.865139494	3031.377662545927	2993.405908043025	2989.026175619084	2991.17858160290194	58.17858160290194	58.17858160290194
453	210	155113	-72621.14133	930337.3170250766	-39.296846306547	-101.0564035	322007.0060799626	4964648.865139494	3179.38333415853	3029.563407097944	2998.5922815006623	2999.5922815006623	54.26673487330175	54.26673487330175
454	210	155114	-71961.14133	930337.3170250766	-39.29684944719198	-101.0540682	322008.0328177282	4964648.865139494	3179.38333415853	3029.563407097944	2998.5922815006623	2999.5922815006623	54.26673487330175	54.26673487330175
455	210	155115	-71301.14133	930337.3170250766	-39.29689430876105	-101.0517298	322009.0598393874	4964648.865139494	3178.262453648983	3027.13020718913	2984.780592968373	2984.780592968373	54.26673487330175	54.26673487330175
456	210	155116	-70641.14133	930337.3170250766	-39.296919153602	-101.0493786	32210.0857853887	4964648.865139494	3178.00625688181	3025.82575563267	2977.170203205484	2977.170203205484	54.26673487330175	54.26673487330175
457	210	155117	-69981.14133	930337.3170250766	-39.297039768274	-101.0470623	323811.1120360301	4964648.865139494	3178.750017272733	3024.22332	2973.466058636846	2973.466058636846	54.26673487330175	54.26673487330175
458	210	155118	-69321.14133	930337.3170250766	-39.2970875842338	-101.044727	324012.1809101935	4964648.865139494	3175.493796765021	3022.76151894174	2971.84691563626	2970.962566461366	50.1423625791145	51.7984925
459	210	155119	-68661.14133	930337.3170250766	-39.2971347405487	-101.0423917	324213.1640796373	4964648.865139494	3169.07141905651	3021.301666899407	2971.7935535025263	2971.301666899407	51.7984925	51.7984925
460	210	155120	-68001.14133	930337.3170250766	-39.2971814457249	-101.0400564	324414.189796376	4964648.865139494	3168.49371292465	3019.848171850573	2972.6019607411627	2972.6019607411627	54.26673487330175	54.26673487330175
461	210	155121	-67341.14133	930337.3170250766	-39.2972277	-101.037721	324815.215427485	4964648.865139494	3163.901291392165	3018.402486839816	2973.411182	2976.0293043931785	51.7984925	51.7984925
462	210	155122	-66681.14133	930337.3170250766	-39.2972735027230	-101.0353858	324816.2407175811	4964648.865139494	3161.31765086696	3016.961317787457	2974.883252071852	2975.2053510512285	51.7984925	51.7984925
463	210	155123	-66021.14133	930337.3170250766	-39.2973188545626	-101.0330055	325017.2659215307	4964648.865139494	3157.888810191624	3015.5355297316846	2975.968885620085	2976.78405865161	51.7984925	51.7984925
464	210	155124	-65361.14133	930337.3170250766	-39.2973637527824	-101.0307152	325218.25009482104	4964648.865139494	3141.13679310853	3014.113679310853	2976.175718772462	2976.175718772462	51.7984925	51.7984925
465	210	155125	-64701.14133	930337.3170250766	-39.29740820487815	-101.0283799	325419.3158716387	4964648.865139494	3140.342711613885	3012.69946980337	2975.4906975787308	2975.4906975787308	51.7984925	51.7984925
466	210	155126	-64041.14133	930337.3170250766	-39.2974522033625	-101.0260446	325620.3405101988	4964648.865139494	3136.45069135015	3011.292734301365	2973.1565478405328	2974.489185292361	51.7984925	51.7984925
467	210	155127	-63381.14133	930337.3170250766	-39.29749575073146	-101.0237093	325821.36053270525	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
468	210	155128	-62721.14133	930337.3170250766	-39.2975384659465	-101.0212374	326022.38958536146	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
469	210	155129	-62061.14133	930337.3170250766	-39.2975819421219	-101.0189778	326223.4136881572	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
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472	210	155132	-60081.14133	930337.3170250766	-39.2977067208385	-101.0120328	326826.4851016026	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
473	210	155133	-59421.14133	930337.3170250766	-39.2977475615121	-101.0098975	327027.5086080935	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
474	210	155134	-58761.14133	930337.3170250766	-39.29778795106934	-101.007362	327228.5319459684	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
475	210	155135	-58101.14133	930337.3170250766	-39.2978278985104	-101.0049378	327429.5515143097	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
476	210	155136	-57441.14133	930337.3170250766	-39.29787031768381	-101.002618	327630.5781166873	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
477	210	155137	-56781.14133	930337.3170250766	-39.2979064130436	-101.0003562	327831.6094904283	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
478	210	155138	-56121.14133	930337.3170250766	-39.297944981358	-100.9980209	328032.6236154038	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
479	210	155139	-55461.14133	930337.3170250766	-39.29798313211094	-100.9958586	328233.6614132729	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
480	210	155140	-54801.14133	930337.3170250766	-39.2980208149696	-100.9933053	328434.6684475816	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
481	210	155141	-54141.14133	930337.3170250766	-39.29805804657118	-100.9908104	328635.6900760336	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
482	210	155142	-53481.14133	930337.3170250766	-39.29809581921219	-100.988279	328836.7126	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
483	210	155143	-52821.14133	930337.3170250766	-39.2981311565456	-100.9857445	329037.7342352979	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
484	210	155144	-52161.14133	930337.3170250766	-39.2981670323706	-100.9834091	329238.75609595765	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
485	210	155145	-51501.14133	930337.3170250766	-39.2982024625116	-100.9816738	329439.777952598	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
486	210	155146	-50841.14133	930337.3170250766	-39.2982437436692	-100.9793385	329640.7988230633	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
487	210	155147	-50181.14133	930337.3170250766	-39.29828719637096	-100.9770373	329841.8208876276	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
488	210	155148	-49521.14133	930337.3170250766	-39.298326	-100.9746878	330042.8410962847	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
489	210	155149	-48861.14133	930337.3170250766	-39.2983693963961	-100.972391	330243.861108861	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
490	210	155150	-48201.14133	930337.3170250766	-39.2984138231277	-100.9699772	330444.88258761924	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
491	210	155151	-47541.14133	930337.3170250766	-39.29845055269905	-100.9676619	330645.9030904214	4964648.865139494	3134.58624360205	3009.89433403277	2969.945639243123	2969.945639243123	51.7984925	51.7984925
492	210	155152	-46881.14133	930337.3170250766	-39.2984878221									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtLogKgr.ft	SatHtLogKgr.ft
573	20	155233	6578.858673073351	930337.3170250766	34.299955348287415	-100.776166	347129.0421599606	4365996.198986805	2977.379691382113	2242.62845867153	2798.7003483647845	2798.891243007652	43.9280970236847	43.73720285950094
574	20	155234	7238.858673073351	930337.3170250766	34.299564870656826	-100.738307	347300.4667302614	4365992.16111737	2974.594865170124	2840.791988159267	2791.93837517211	2791.4889716163344	49.39823604205026	49.30301654263236
575	20	155235	7698.858673073351	930337.3170250766	34.29956487142678	-100.771464	34751.9670382115	4365988.152501613	2967.861951425928	2543.151920884716	2783.72802147249	2783.76964259829	55.22411195025095	55.18236987925454
576	20	155236	8558.858673073351	930337.3170250766	34.2995379625978	-100.769101	347732.064525713	4365984.141165934	2968.221401920623	2801.097360420175	2776.1400720260877	2776.169183520967	60.96865782513806	60.94005211896965
577	20	155237	9218.858673073351	930337.3170250766	34.2995318869332	-100.7668248	347933.0173257611	4365980.132602381	2960.9008835167742	2835.263640241509	2768.85238931466	2768.8866072671588	64.40125092513076	64.377703897
578	20	155238	9878.858673073351	930337.3170250766	34.2995253601488	-100.7644894	348134.072845536	4365976.13620451	2961.580448490255	2834.41682304509256	2762.241966387308	2762.257174793106	71.14748681630762	71.15911712105996
579	20	155239	10538.858673073351	930337.3170250766	34.2995318822449	-100.7621541	348335.08052405206	4365972.120393128	2957.7682854311342	2831.570117774686	2756.788894	2756.7885040012066	74.78122348726196	74.789577626196
580	20	155240	11198.858673073351	930337.3170250766	34.2995109532217	-100.759818	348639.36185110666	4365968.127598874	2953.466452680304	2829.724789	2753.2751639175	2753.232227258328	76.44927258116485	76.44996178461161
581	20	155241	11858.858673073351	930337.3170250766	34.29950370370878	-100.7574369	348737.95813521891	4365964.105404658	2948.161005143664	2827.861951425928	2750.250322164281	2750.250322164281	78.37542412686116	78.37542412686116
582	20	155242	12518.858673073351	930337.3170250766	34.299494741518164	-100.7551482	348838.10447105796	4365960.098257575	2944.8573049999316	2826.03920355575	2752.599035048524	2752.599035048524	79.3407169050622	79.3407169050622
583	20	155243	13178.858673073351	930337.3170250766	34.299485958436	-100.7528129	349139.110666717	4365956.0913112005	2943.811718918805	2824.199789628293	2753.197638210971	2753.197638210971	80.17001407158523	80.17001407158523
584	20	155244	13838.858673073351	930337.3170250766	34.2994767253293	-100.7504775	349340.1160741273	4365952.0486680277	2942.60468903116	2822.361450990168	2752.351180013998	2752.351180013998	80.1013298921811	80.1013298921811
585	20	155245	14498.858673073351	930337.3170250766	34.29946704131204	-100.7481422	349541.12260178075	4365948.07027382	2943.236414854623	2820.52831561213	2750.742548851328	2750.742548851328	80.69049473855769	80.69049473855769
586	20	155246	15158.858673073351	930337.3170250766	34.299456905571	-100.7458099	349742.1283536224	4365944.01690308	2943.448762389374	2818.62684967999	2749.222038921973	2749.222038921973	81.6708640602565	81.6708640602565
587	20	155247	15818.858673073351	930337.3170250766	34.29944631817119	-100.7434716	349943.133660527	4365940.05555239	2943.59571979040	2816.8622554610315	2747.550961431919	2747.550961431919	82.79116942923159	82.79116942923159
588	20	155248	16478.858673073351	930337.3170250766	34.2994353852927	-100.7411383	350144.13952178905	4365936.05926701	2942.602696	2815.03762047947	2747.16650226582	2747.16650226582	83.769813180821266	83.769813180821266
589	20	155249	17138.858673073351	930337.3170250766	34.29942479162646	-100.7388009	350353.1448813963	4365932.054	2941.06782570691	2813.202712361421	2747.074552335333	2747.074552335333	84.7306260976474	84.7306260976474
590	20	155250	17798.858673073351	930337.3170250766	34.2994118514102	-100.7364656	350546.15009080295	4365928.048363619	2940.7031886021	2811.382054653072	2747.474097861408	2747.474097861408	85.730850166044	85.730850166044
591	20	155251	18458.858673073351	930337.3170250766	34.29939366072066	-100.7341303	350747.1550368118	4365924.0338093	2937.4357740152695	2809.5997807268	2748.3355425493142	2748.3355425493142	86.72244305793364	86.72244305793364
592	20	155252	19118.858673073351	930337.3170250766	34.2993866176159	-100.7317195	350948.15991943073	4365920.03791675	2937.156118012465	2807.79337368056	2749.590849132624	2749.590849132624	87.7158825395358	87.7158825395358
593	20	155253	19778.858673073351	930337.3170250766	34.2993733240397	-100.7294597	351149.164657893	4365916.03297163	2928.87642	2805.9205	2751.195115971579	2751.195115971579	88.724336817474	88.724336817474
594	20	155254	20438.858673073351	930337.3170250766	34.2993596754445	-100.7271244	351350.1652521647	4365912.02	2928.59860056553	2804.10358424283	2750.001969901086	2750.001969901086	89.72696377481523	89.72696377481523
595	20	155255	21098.858673073351	930337.3170250766	34.2993463852927	-100.7247722	351544.21871597	4365908.0324129	2928.5232851267	2778.520146102624	2750.842095189361	2750.842095189361	90.733254403228	90.733254403228
596	20	155256	21758.858673073351	930337.3170250766	34.2993307365595	-100.7224537	351752.1807100736	4365904.01543546	2928.74201589014	2800.451153904186	2750.822623335315	2750.822623335315	91.7408313707939	91.7408313707939
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599	20	155259	23738.858673073351	930337.3170250766	34.2992840890791	-100.7154478	352355.1900720459	4365892.00773229	2935.009659	2795.037853647797	2746.878921779578	2746.878921779578	94.71398739903211	94.71398739903211
600	20	155260	24398.858673073351	930337.3170250766	34.2992676371681	-100.7131125	352556.1930692276	4365888.004230892	2937.256138869996	2793.219164006145	2740.55865634947	2740.55865634947	95.71093107772034	95.71093107772034
601	20	155261	25058.858673073351	930337.3170250766	34.2992507331998	-100.7107772	352757.1973992563	4365884.003581447	2938.520184142325	2791.396960703916	2740.369859268818	2740.369859268818	96.733254403228	96.733254403228
602	20	155262	25718.858673073351	930337.3170250766	34.2992373814242	-100.7084418	352959.797534478	4365879.997534478	2939.750755818845	2792.745751489916	2740.745751489916	2740.745751489916	97.73037416877307	97.73037416877307
603	20	155263	26378.858673073351	930337.3170250766	34.2992215677229	-100.706105	353159.20451171193	4365875.94309392	2943.94876411994	2797.79719994228	2741.0860652397	2741.0860652397	98.7263613298822	98.7263613298822
604	20	155264	27038.858673073351	930337.3170250766	34.2991973208364	-100.7037712	353360.2073204524	4365871.99224796	2946.101048374764	2785.90577202545	2741.0324130710774	2741.0324130710774	99.7308463954714	99.7308463954714
605	20	155265	27698.858673073351	930337.3170250766	34.29917886	-100.7014359	353561.210427543	4365867.989758363	2948.2523137359	2784.07612124998	2740.53265781179	2740.53265781179	100.726746035998	100.726746035998
606	20	155266	28358.858673073351	930337.3170250766	34.29915945570635	-100.6991006	353762.2132299467	4365860.94771221	2950.05999034502	2782.22606128905	2739.397540909027	2739.397540909027	101.7326342636368	101.7326342636368
607	20	155267	29018.858673073351	930337.3170250766	34.2991398464352	-100.696763	353963.2159713484	4365856.93856517	2951.73924740284	2780.27966342583	2737.663334245583	2737.663334245583	102.7362317746651	102.7362317746651
608	20	155268	29678.858673073351	930337.3170250766	34.299120976101	-100.694429	354164.21871597	4365852.98324129	2952.5232851267	2778.520146102624	2740.842095189361	2740.842095189361	103.733254403228	103.733254403228
609	20	155269	30338.858673073351	930337.3170250766	34.2991062746206	-100.6920948	354365.210309679	4365851.9812437	2953.7624479838	2776.6757652	2742.915434989821	2742.915434989821	104.7306913290815	104.7306913290815
610	20	155270	30998.858673073351	930337.3170250766	34.2990978120205	-100.6897593	354566.2233496427	4365847.98304626	2954.82124625472	2774.81921626767	2740.390582449634	2740.390582449634	105.7265287515794	105.7265287515794
611	20	155271	31658.858673073351	930337.3170250766	34.2990758983201	-100.687424	354767.22525782256	4365843.97017813	2952.35489305459	2772.9601825760933	2737.68024199639	2737.68024199639	106.726795654464	106.726795654464
612	20	155272	32318.858673073351	930337.3170250766	34.299053034663	-100.6850887	354968.2275657185	4365839.97799214	2954.08758217929	2771.084050760995	2741.5450027	2741.5450027	107.7308463954714	107.7308463954714
613	20	155273	32978.858673073351	930337.3170250766	34.29903217750964	-100.6827534	355169.229633317	4365835.977128938	2954.620472419074	2769.2315562080013	2740.816961271214	2740.816961271214	108.7308463954714	108.7308463954714
614	20	155274	33638.858673073351	930337.3170250766	34.2990189504353	-100.6804181	355370.2312148993	4365831.976	2955.23263069336	2767.366385176313	2740.26884581737	2740.26884581737	109.7308463954714	109.7308463954714
615	20	155275	34298.858673073351	930337.3170250766	34.298999324247	-100.6781768	355571.2312148993	4365827.995492	2956.0474717	2768.474717	2740.26884581737	2740.26884581737	110.7308463954714	110.7308463954714
616	20	155276	34958.858673073351	930337.3170										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRWetBothKgr.ft	SurfAtKgr.ft	SurfBoth.ft
69	210	155339	89738.85867307335	930337.3170250766	-0.3429540591717156	-100.48189172	47254.89135185885	4365492.65842314	2785.801940483621	2511.438252123953	2571.9468176614055	2591.294989780484	39.4143546254754	20.14325434386925
700	210	155360	93638.85867307335	930337.3170250766	-0.342953445541527	-100.4799819	37265.8816481718	436548.975126148	2783.693545875157	2609.96456727077	2609.95968533546	2598.739568219116	39.9963687	23.21944853348663
701	210	155361	95018.85867307335	930337.3170250766	-0.34295324909225	-100.477466	37266.8722246395	436548.90303784	2781.588929	2604.845323455183	2581.489396073484	2581.489396073484	39.9963687	27.017168344884678
702	210	155362	91718.85867307335	930337.3170250766	-0.34295219847806	-100.4794113	37057.86247463724	4365480.790137005	2780.062457789046	2567.084567789046	2586.35942860088	2586.35942860088	31.306632459493886	23.723431719662032
703	210	155363	92378.85867307335	930337.3170250766	-0.34295165684277	-100.472576	373258.8526057976	4365476.736444807	2777.558548247085	2605.688778785681	2563.8415315716375	2585.2882427	41.847247214043364	20.40453169044017
704	210	155364	93038.85867307335	930337.3170250766	-0.342950359063636	-100.472047	373459.8246152491	4365472.736541179	2775.8138051672495	2604.326619067204	2561.8230551199612	2583.13067277479	11.196551789720256	24.5743067324718
705	210	155365	96988.85867307335	930337.3170250766	-0.342950273728776	-100.4679054	373660.83250349946	4365468.71665109	2774.060962064133	2602.9695996467095	2589.862964535022	2584.5051963349	43.1339954132073	18.49125508721434
706	210	155366	94358.85867307335	930337.3170250766	-0.34294665027016	-100.4655702	373861.622707512	4365476.796571996	2772.324318960579	2601.702225748134	2557.991739913996	2579.8136428720804	43.1339954132073	21.88858276053988
707	210	155367	95018.85867307335	930337.3170250766	-0.342946007819042	-100.463246	373940.8718172174	4365460.918761623	2770.869382801623	2600.4415842433333	2556.61698868219	2578.2088971359284	43.1339954132073	24.5743067324718
708	210	155368	95678.85867307335	930337.3170250766	-0.34294535909662	-100.460898	374263.8143108486	4365456.519007182	2769.70222425696	2599.21318058241	2553.204188085117	2574.441045353126	44.00892441291236	24.772131047322546
709	210	155369	96338.85867307335	930337.3170250766	-0.34294769896777	-100.4585643	374464.79064855724	4365452.834524269	2768.5340564503082	2598.014605786006	2553.881205780740	2574.011798	44.00892441291236	24.772131047322546
710	210	155370	96988.85867307335	930337.3170250766	-0.34294703128485	-100.456229	374665.7801338891	4365448.853242669	2767.3687900874475	2596.8430114144253	2552.7829971728383	2575.0958894242363	44.00892441291236	24.772131047322546
711	210	155371	97658.85867307335	930337.3170250766	-0.3429438738760944	-100.4538937	374866.76929380314	4365444.672182981	2766.1856540521975	2595.8602392853014	2551.9831878828536	2574.34410256214	44.00892441291236	24.772131047322546
712	210	155372	98318.85867307335	930337.3170250766	-0.342945041125964	-100.4515584	375067.7583440685	4365440.8128453	2764.934789192029	2594.500505179626	2551.49196833549	2574.0642920144723	44.00892441291236	24.772131047322546
713	210	155373	98978.85867307335	930337.3170250766	-0.342945029837998	-100.4492323	375268.7472062154	4365436.91006776	2763.7009491697023	2593.426042545375	2551.665099778476	2568.4645374808193	44.00892441291236	24.772131047322546
714	210	155374	99638.85867307335	930337.3170250766	-0.34294345105233	-100.446879	375469.73607174944	4365432.93	2762.4672001233816	2592.301672467632	2550.4431232314176	2567.9485677681016	44.00892441291236	24.772131047322546
715	210	155375	100298.85867307335	930337.3170250766	-0.3429436755507	-100.4445526	375670.7217649823	4365428.96893289	2761.922805365203	2591.19056976392	2553.801670982303	2570.42667322744	44.00892441291236	24.772131047322546
716	210	155376	100958.85867307335	930337.3170250766	-0.342942979472715	-100.4422173	375871.714334004	4365424.95978317	2762.06807348779	2590.48066840196	2553.158241043623	2563.841485021134	44.00892441291236	24.772131047322546
717	210	155377	101618.85867307335	930337.3170250766	-0.34294282628283	-100.439882	376072.7018832053	4365419.98991275	2762.213254300234	2588.982496881584	2548.516377537412	2562.08172581847	44.00892441291236	24.772131047322546
718	210	155378	102368.85867307335	930337.3170250766	-0.34294159879187	-100.4375467	376273.6902145653	4365417.01243173	2762.358435112627	2587.840116137545	2544.52213230609	2544.886317528267	44.00892441291236	24.772131047322546
719	210	155379	102938.85867307335	930337.3170250766	-0.34294058457019	-100.4352114	376474.67842750056	4365410.30775004	2762.523430681154	2586.779973576516	2541.259913693137	2540.559741136966	44.00892441291236	24.772131047322546
720	210	155380	103698.85867307335	930337.3170250766	-0.34294015604704	-100.4328762	376675.6665225005	4365403.91508263	2762.7049787165575	2585.67152841867	2538.6604910234035	2537.933884406179	44.00892441291236	24.772131047322546
721	210	155381	104398.85867307335	930337.3170250766	-0.34293924872	-100.4305123	376869.5789626263	4365402.543092979	2762.86934890187	2584.542434820964	2537.5194216862025	2536.827213349898	44.00892441291236	24.772131047322546
722	210	155382	105148.85867307335	930337.3170250766	-0.34293873569642	-100.4282056	377077.842358454	4365401.90579013	2763.0702467164704	2583.6447257357483	2534.974934345255	2534.2847097152347	44.00892441291236	24.772131047322546
723	210	155383	105578.85867307335	930337.3170250766	-0.342938038981405	-100.4258703	377278.6301013895	4365397.114961847	2762.953674197665	2582.356784197665	2533.803096324857	2533.803096324857	44.00892441291236	24.772131047322546
724	210	155384	106238.85867307335	930337.3170250766	-0.342937315084782	-100.42335	377479.6172451975	4365393.13645531	2761.1599773098646	2581.238340198347	2533.2134544805726	2533.49038105472	44.00892441291236	24.772131047322546
725	210	155385	106688.85867307335	930337.3170250766	-0.342936586770745	-100.4211998	377680.60523179884	4365385.11959592	2759.82558182887	2580.11846728846	2532.995699686848	2532.995699686848	44.00892441291236	24.772131047322546
726	210	155386	107558.85867307335	930337.3170250766	-0.342935857356283	-100.4188465	377881.5926	4365385.180137203	2758.491191325704	2578.933185580176	2532.603885059214	2532.603885059214	44.00892441291236	24.772131047322546
727	210	155387	108238.85867307335	930337.3170250766	-0.342934928328498	-100.4165924	378082.5789626263	4365381.20280178	2758.491191325704	2578.933185580176	2532.603885059214	2532.603885059214	44.00892441291236	24.772131047322546
728	210	155388	108978.85867307335	930337.3170250766	-0.3429343774554	-100.4143387	378283.1670530926	4365377.790925478	2758.491191325704	2578.933185580176	2532.603885059214	2532.603885059214	44.00892441291236	24.772131047322546
729	210	155389	109538.85867307335	930337.3170250766	-0.342933627935422	-100.4118586	378484.554094033	4365373.472170163	2752.9427402726133	2575.5927798491795	2527.150104866704	2527.22636449651	44.00892441291236	24.772131047322546
730	210	155390	110198.85867307335	930337.3170250766	-0.34293268792311	-100.4095234	378685.51	4365369.26917161	2750.9886872004	2574.464173649555	2524.712718413603	2524.86528036584	44.00892441291236	24.772131047322546
731	210	155391	110858.85867307335	930337.3170250766	-0.342932121498123	-100.4071881	378886.527882782	4365365.29268484	2749.9231194641616	2573.295297	2522.43846534641	2522.44270642157	44.00892441291236	24.772131047322546
732	210	155392	111518.85867307335	930337.3170250766	-0.342931361512806	-100.4048528	379087.5145211202	4365361.316015122	2748.7572372380503	2572.141316824022	2520.134607076285	2519.9959542116155	44.00892441291236	24.772131047322546
733	210	155393	112138.85867307335	930337.3170250766	-0.34293059105224	-100.4025717	379280.5010959084	4365357.33667863	2748.5845345314847	2571.9874144895976	2517.6530468417496	2517.6530468417496	44.00892441291236	24.772131047322546
734	210	155394	112838.85867307335	930337.3170250766	-0.342929820911413	-100.4001823	379482.467516974	4365353.362183011	2748.5845345314847	2571.9874144895976	2517.6530468417496	2517.6530468417496	44.00892441291236	24.772131047322546
735	210	155395	113498.85867307335	930337.3170250766	-0.342929054403635	-100.397847	379689.47309266	4365349.389671828	2748.5845345314847	2571.9874144895976	2517.6530468417496	2517.6530468417496	44.00892441291236	24.772131047322546
736	210	155396	114158.85867307335	930337.3170250766	-0.34292827641088	-100.3955117	379891.604119336	4365345.411	2746.13023020467	2567.49379634005	2511.057070534843	2510.817182	44.00892441291236	24.772131047322546
737	210	155397	114818.85867307335	930337.3170250766	-0.342927439204724	-100.3931764	380092.4462600125	4365341.434782703	2744.011220066381	2566.32896711529	2508.7360124179213	2508.403219802959	44.00892441291236	24.772131047322546
738	210	155398	115478.85867307335	930337.3170250766	-0.34292670686791	-100.3908412	380293.423623745	4365337.459140037	2743.8730990903	2565.14868901748	2507.008239740063	2506.805336	44.00892441291236	24.772131047322546
739	210	155399	116138.85867307335	930337.3170250766	-0.34292591330646	-100.3885059	380494.8115316035	4365333.483998169	2743.8730990903	2565.14868901748	2507.008239740063	2506.805336	44.00892441291236	24.772131047322546
740	210	155400	116798.85867307335	930337.3170250766	-0.34292511932263	-100.3861706	380695.4036265701	4365329.58458441	2736.42114904227	2562.749933841093	2506.14418971705	2506.14418971705	44.00892441291236	24.772131047322546
1	211	155401	36989.85867307335	930997.3170250766	-0.3429247991156236	-100.383794	380896.47309266	4365325.9871828	2736.42114904227	2562.7				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEveLogKrg.ft	BRIEveBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
85	211	155485	-315601.1413	930997.3170250766	39.26961610025769	-01.91517563	249019.8453092651	4386178.09668275	3755.475965764781	3616.62570984679578	3485.605191531244	3498.400550308644	31.02051431671362	118.22515555931362
86	211	155486	-314841.1413	930997.3170250766	39.26963761653906	-01.9134412	24920.9542062058	4386173.96767986	3752.900432479331	3615.794120418457	3485.000011163935	3495.937570263037	17.01340007785215	118.219475021053847
87	211	155487	-314181.1413	930997.3170250766	39.26965913794652	-01.91116628	24842.6330362376	4386179.87829583	3751.251014058697	3613.718517669776	3484.0399183241367	3493.754847	129.6259909833717	118.983709879582
88	211	155488	-313521.1413	930997.3170250766	39.269608913547	-01.9087711	24923.1564709783	4386165.70076845	3750.503710627635	3612.239844	3482.900415203383	3491.7411723334753	129.44860207033474	120.4986712476948
89	211	155489	-312861.1413	930997.3170250766	39.2670272	-01.9064361	249824.25970659248	4386161.686248063	3749.756407147876	3610.740118611908	3481.354820086138	3490.029153288142	129.68353660329444	120.7102032830936
90	211	155490	-312201.1413	930997.3170250766	39.2672336	-01.904011	250025.3626865692	4386157.554640192	3749.009136772384	3609.215065637694	3479.6719071446204	3488.31317913961181	129.5423171961181	120.9012716430731
91	211	155491	-311541.1413	930997.3170250766	39.2674647208264	-01.901766	250226.456481921768	4386153.446353051	3745.818652680137	3607.682826517012	3477.710990511544	3486.662665023403	129.599189214015277	120.50972176230071
92	211	155492	-310881.1413	930997.3170250766	39.26765942858076	-01.8994309	250427.5679047395	4386148.39	3745.0054189243	3606.048009023886	3475.488206446378	3486.0770246426387	120.59580245071002	120.009842769974997
93	211	155493	-310221.1413	930997.3170250766	39.26787198852983	-01.8970695	250628.6707452427	4386145.21812801	3744.551465692314	3604.4794316210106	3474.064970833958	3485.337327	131.4146596789525	118.94210465585047
94	211	155494	-309561.1413	930997.3170250766	39.2680343090817	-01.8947508	250829.72211332384	4386141.1241171	3728.917851793583	3602.849829779155	3470.3818394140417	3485.0053031627	131.4146596789525	117.3459795628877
95	211	155495	-308901.1413	930997.3170250766	39.2682945456281	-01.8924257	251030.87388081713	4386137.01171315	3725.424194294306	3601.49249423258	3467.3557887360603	3485.921075296839	133.83646059071785	115.2731739641932
96	211	155496	-308241.1413	930997.3170250766	39.2685057492374	-01.8900907	251231.9757396874	4386132.10729582	3724.370535224003	3599.517234943514	3464.8115742332745	3489.516611041034	134.7054873	110.006214533171
97	211	155497	-307581.1413	930997.3170250766	39.2687162018098	-01.8877556	251433.0766326827	4386128.80368518	3723.2168534171205	3597.918905895039	3461.303178	3483.2389796323787	136.51662775051864	114.58106266266007
98	211	155498	-306921.1413	930997.3170250766	39.2689820233445	-01.8854206	251634.17167377678	4386124.697221411	3722.0631716025008	3596.102094	3457.89224003031	3487.01698125935	138.20884511199902	118.0851128945787
99	211	155499	-306261.1413	930997.3170250766	39.2691358	-01.8830685	251835.2784011881	4386120.59100653	3720.984260562323	3594.36659673882164	3454.5150075329843	3474.0433172017859	139.5606798552321	120.32139674349393
100	211	155500	-305601.1413	930997.3170250766	39.26930448332963	-01.8807504	252036.3789117176	4386116.485	3719.98120571078	3592.61260052718	3451.386071415376	3471.192572050051	141.2265290739524	121.4202040271834
101	211	155501	-304941.1413	930997.3170250766	39.2695530017186	-01.8784154	252237.4781877776	4386112.379190762	3717.9759804481524	3590.844493	3448.5776879960654	3465.478898417	142.2680532424461	122.6980383856307
102	211	155502	-304281.1413	930997.3170250766	39.26971676909885	-01.8760803	252438.57921336903	4386108.753992914	3717.97184019117	3589.061772408365	3447.020693566933	3461.3674045726475	127.69416735871705	122.69416735871705
103	211	155503	-303621.1413	930997.3170250766	39.2699694544395	-01.8737452	252639.6789940833	4386104.18	3716.57892033502	3587.45246269623	3446.710517329108	3459.235242808043	140.553909178554	128.0281944389194
104	211	155504	-302961.1413	930997.3170250766	39.2701767407402	-01.87147102	252840.77853017175	4386100.063017082	3714.7969029303073	3585.4524249308	3447.6194032162982	3458.28186402631	142.63137843187678	128.613734783187678
105	211	155505	-302301.1413	930997.3170250766	39.2703855897056	-01.8690751	253041.8778	4386095.98	3713.0150202441127	3583.62881590959	3446.38697590959284	3449.36871083036254	143.26794459877665	123.9910708925963
106	211	155506	-301641.1413	930997.3170250766	39.27059386721995	-01.86674	253242.9769691747	4386095.85326782	3711.2313102024117	3581.7914691356559	3451.66757236749	3459.265167626224	140.123696766703	125.5263015131313
107	211	155507	-300981.1413	930997.3170250766	39.2707992023986	-01.8643048	253449.68115027	4386094.4015207	3709.48309057812	3554.35705533907	3454.607958115623	3452.937543268412	141.081147249574	126.4717808167
108	211	155508	-300321.1413	930997.3170250766	39.27100114153495	-01.8620699	253645.1742320015	4386093.64344659	3705.953673421033	3578.00844	3455.959304296713	3456.611203323588	122.0851372545871	124.9119230703203
109	211	155509	-299661.1413	930997.3170250766	39.2712064516299	-01.8597348	253846.2725497014	4386094.51903291	3702.861741742103	3572.084225597776	3457.633188873859	3453.741347173181	135.576066923991	122.6669116804574
110	211	155510	-299001.1413	930997.3170250766	39.271411040623	-01.8573997	254047.37062035897	4386091.3262495	3700.473599190886	3574.35252701733	3458.397795325354	3451.234605085417	115.9274924781938	123.0096692520314
111	211	155511	-298341.1413	930997.3170250766	39.2716151786918	-01.8550646	254248.484646018	4386087.435204595	3696.47563961875	3572.431565768902	3458.092869589093	3451.338759912899	119.9514825218071	123.0096692520314
112	211	155512	-297681.1413	930997.3170250766	39.2718188656338	-01.852729	254449.566035338	4386087.22897515	3692.6815624900587	3570.52719661075	3456.506443288577	3455.365681100014	113.966522189714	115.16132850075337
113	211	155513	-297021.1413	930997.3170250766	39.2720221015813	-01.8503895	254640.693762698	4386083.1266212	3688.884767629294	3568.572124280073	3454.607958115623	3452.937543268412	114.081147249574	126.4717808167
114	211	155514	-296361.1413	930997.3170250766	39.2722244844512	-01.8480594	254849.10449002	4386079.02332379	3685.990117222467	3566.89433632	3452.508353263	3458.042364449051	115.178017995912	126.64429885737
115	211	155515	-295701.1413	930997.3170250766	39.27242722029626	-01.8457243	255052.8573382623	4386085.91829574	3682.50535132676	3564.760578	3450.11878199163	3457.695317413336	114.9761157512121	127.02543602079842
116	211	155516	-295041.1413	930997.3170250766	39.2726291030853	-01.8433892	255253.953954747	4386084.919690194	3681.11868748552	3562.804728390447	3459.579844669984	3459.710986206246	103.22423633946286	127.02543602079842
117	211	155517	-294381.1413	930997.3170250766	39.2728305343905	-01.8410541	255455.054206005	4386086.741413004	3679.733763443387	3560.8508316918383	3458.179413382822	3461.2490702684927	115.916714830901619	99.6071142334558
118	211	155518	-293721.1413	930997.3170250766	39.2730315156297	-01.838719	255656.1466149718	4386082.61212113	3678.34839	3558.89133768187	3443.8892931763316	3462.284755253633	115.0020445055552	96.60658115823537
119	211	155519	-293061.1413	930997.3170250766	39.2732320545811	-01.8363839	255867.2445247197	4386080.351004834	3676.6954829587676	3556.926167102346	3442.173988772666	3462.284755253633	114.7486238297593	94.6454059061885
120	211	155520	-292401.1413	930997.3170250766	39.273432123905	-01.834048	256080.2007231678	4386078.4185	3674.93400218113785	3554.9370490276	3439.341773726584	3462.284755253633	114.7486238297593	94.6454059061885
121	211	155521	-291741.1413	930997.3170250766	39.2736317512553	-01.8317138	256259.493310703	4386080.306481971	3671.7071592274304	3552.9681723211592	3438.5988756185834	3458.001773674875	114.3692870384754	94.9663896
122	211	155522	-291081.1413	930997.3170250766	39.2738309279649	-01.8293787	256460.5267761102	4386082.05015225	3663.719912400894	3550.968610537255	3436.58138077696	3451.2578690501	114.3856729095596	97.71434322049
123	211	155523	-290421.1413	930997.3170250766	39.2740297	-01.8270436	256661.6230451167	4386082.10374597	3661.462943	3548.954705251944	3433.989492746646	3447.5618716019496	114.3856729095596	97.71434322049
124	211	155524	-289761.1413	930997.3170250766	39.2742279278497	-01.8247085	256862.7182066647	4386080.1002710134	3660.9308512728485	3547.932828371	3430.658846759885	3441.347487497515	105.5845008738015	105.5845008738015
125	211	155525	-289101.1413	930997.3170250766	39.27442795172201	-01.8223734	257063.8173648815	4386079.10031867	3660.396707023836	3544.905150250918	3426.613088374824	3434.590661	118.219475021053847	120.32139674349393
126	211	155526	-288441.1413	930997.3170250766	39.27462312354194	-01.8200383	257264.90684217363	4386080.901212968	3658.69668715528	3542.875681281694	3427.25814778997	3427.25814778997	120.32139674349393	115.964750814424
127	211	155527	-287781.1413	930997.3170250766	39.274823123905	-01.8176924	257465.9940000000	4386079.400000000	3657.1290171958571	3541.740771958571	3424.90171958571	3424.90171958571	120.32139674349393	115.964750814424
128	211	155528	-287121.1413	930997.3170250766	39.2750165150389	-01.8153681	257667.964393827	4386081.60055079	3659.0045751645104	3538.752256183807	3421.753260440002	3416.018172	125.119651303054	128.1909807
129	211	155529	-286461.1413	930997.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtElev.ft	SatHtElev.ft
211	211	55611	-223241.1413	930997.3170250766	39.24897511507185	-101.6215505	274357.0587496675	4367662.0005744845	357.3070245818653	371.10170087836633	3281.744890901659	3323.5886762151167	32.73211818200445	87.5182335854661
212	211	55612	-231681.1413	930997.3170250766	39.248969053154896	-101.6192153	274558.13377354413	4367659.717661191	357.4522855291214	3409.806918841266	3280.414695223244	3315.2093275958317	32.9233069618323	94.5973134858096
213	211	55613	-231021.1413	930997.3170250766	39.24900678613014	-101.6176881	274749.207716134	4367654.834651139	357.45878460045697	3408.4078871071683	3278.4027763546697	3302.0582354714762	32.935823388818066	100.64813388818066
214	211	55614	-230361.1413	930997.3170250766	39.2490255399756	-101.6145449	274960.2810547888	4367649.57454195	357.2408650709117	3405.73861850753	3275.053671750754	3291.052450321022	32.992505982138	106.1209750576337
215	211	55615	-229701.1413	930997.3170250766	39.24903827675076	-101.6122097	275161.347125661	4367645.670159055	357.1290760606083	3405.737383730827	3277.5818287904547	3294.851446619434	32.95285508262805	110.9429281713929
216	211	55616	-229041.1413	930997.3170250766	39.24904395640781	-101.6098745	275362.428148726	4367641.580697919	357.2640445698076	3404.2534945567234	3277.369602601385	3290.314555184984	32.970634675558492	114.12046471173951
217	211	55617	-228381.1413	930997.3170250766	39.24906958695214	-101.6075393	275563.5013364184	4367637.506186175	356.922384772069	3403.055984079681	3277.23201439212	3287.3921404100623	32.952836977046892	115.663242961863
218	211	55618	-227721.1413	930997.3170250766	39.24908517438135	-101.6052041	275764.5743563907	4367633.424508415	356.71273855062	3401.666489793246	3276.859501521427	3285.00568650413	32.941056827181934	116.6680328911539
219	211	55619	-227061.1413	930997.3170250766	39.24910716711915	-101.6028698	275965.84712951524	4367629.334364157	356.523573906287	3400.2645454711216	3276.682668686976	3282.9467525622586	32.93217560225286	120.61376830642984
220	211	55620	-226401.1413	930997.3170250766	39.24911621353564	-101.6005337	276166.7197	4367625.617700728	356.6478253395698	3398.850679833991	3276.288012554093	3281.034654178371	32.925695378891	117.81602475761927
221	211	55621	-225741.1413	930997.3170250766	39.249131666047326	-101.5981985	276367.792	4367621.180770778	356.6536113356509	3397.424853	3276.5469154129506	3279.117250538680	32.917720572592	118.37062977797164
222	211	55622	-225081.1413	930997.3170250766	39.24914707305092	-101.5958633	276568.841231111	4367617.099505106	356.5784041394473	3395.967449435567	3274.5562604812	3276.8491188093	32.91411887744326	119.13843124747427
223	211	55623	-224421.1413	930997.3170250766	39.24916234344634	-101.5935281	276769.9360136745	4367613.019210644	356.4809260413647	3394.538759028236	3273.263314293065	3274.644262240738	32.912754408982971	119.89448067849725
224	211	55624	-223761.1413	930997.3170250766	39.249177517173378	-101.5911929	276971.0167042533	4367608.39	356.4543501260131	3393.0785101008279	3271.5196183204694	3272.7263607130027	32.915589178035841	120.352149755362
225	211	55625	-223101.1413	930997.3170250766	39.24919331	-101.5888577	277172.7109	4367604.588525472	356.4226115130585	3391.0687155233166	3269.40184472036	3272.7668402277964	32.912046701113027	120.9483150053679
226	211	55626	-222441.1413	930997.3170250766	39.24920824959304	-101.5865225	277373.150362967	4367600.7784977285	356.40485521251494	3390.1210240109825	3268.9208779131137	3267.5159562391264	32.911940451066888	122.6059777081619
227	211	55627	-221781.1413	930997.3170250766	39.24922343144677	-101.5841872	277574.2213781927	4367596.68667703	356.4117187818952	3388.626056333355	3264.1261092794545	3264.100622950599	32.9146994705740081	124.5523338284341
228	211	55628	-221121.1413	930997.3170250766	39.24923586701306	-101.581852	277752.2921709226	4367592.619407349	356.371195648176	3387.1195648176	3261.036290280367	3260.43037257599	32.912652971832796	126.6587397616594
229	211	55629	-220461.1413	930997.3170250766	39.249253669047525	-101.5795168	277976.36274470354	4367588.33632775	356.3471619696524	3385.6028702601934	3267.69975854339	3266.4874143399973	32.912829404585457	129.1912832014602
230	211	55630	-219801.1413	930997.3170250766	39.2492678105185464	-101.5771816	278174.033097405	4367584.40243258	356.251510086807	3384.074764191068	3254.1604478486797	3252.398612795719	32.9143163423825	131.6761513939882
231	211	55631	-219141.1413	930997.3170250766	39.24928370621506	-101.5748844	278378.5033623292	4367580.38142633	356.2347752340726	3382.534907369739	3254.0878557169245	3247.141793637242	32.910475621841	134.3420171324967
232	211	55632	-218481.1413	930997.3170250766	39.2492966213627	-101.5725112	278579.571544056	4367576.30253308	356.231019397297	3380.363580476534	3246.848446422585	3243.365261607115	32.911190583225452	137.6143243163624
233	211	55633	-217821.1413	930997.3170250766	39.2493137284951	-101.5701768	278760.642989054	4367572.243224	356.22109764929	3378.19223654033	3246.1107269193785	3242.18162797912	32.911621797912	140.1621973011865
234	211	55634	-217161.1413	930997.3170250766	39.24933438553485	-101.5674807	278981.712336527	4367568.146	356.1530772326373	3377.84933258261	3238.4789181660667	3234.78752051945	32.91047509219428	143.0618720631614
235	211	55635	-216501.1413	930997.3170250766	39.24934325924495	-101.5655055	279182.781006074	4367564.067	356.1372110637086	3376.26145856161	3236.225347	3230.34918651404	32.910476996025087	145.910476996025087
236	211	55636	-215841.1413	930997.3170250766	39.2493580	-101.5631703	279393.8506	4367559.984989459	356.0112170941056	3374.668141	3233.434672286114	3225.35136136356	32.9123174155366	148.3167955073865
237	211	55637	-215181.1413	930997.3170250766	39.249372765115865	-101.5608351	279584.91947744857	4367551.911720294	355.9251163212537	3373.05131938668	3221.953171	3220.97927435491	32.911190605298285	151.10190605298285
238	211	55638	-214521.1413	930997.3170250766	39.249387450336229	-101.5584988	279785.9881	4367551.841566725	355.8711109	3371.431704272336	3229.643895440492	3218.355793387616	32.911787085860545	153.0709688737492
239	211	55639	-213861.1413	930997.3170250766	39.249402769504811	-101.5561664	279987.556855339	4367547.75679881	355.829775683367	3369.79891741	3228.8797378436996	3217.4843378436996	32.911787085860545	155.061828337598
240	211	55640	-213201.1413	930997.3170250766	39.24941166805137	-101.5539294	280188.14464425	4367543.978454184	355.78405521844	3367.164045102773	3226.658390322313	3218.015343101876	32.911787085860545	156.144661003961
241	211	55641	-212541.1413	930997.3170250766	39.249431235546005	-101.5514842	280389.19262686826	4367539.60299544	355.734248580625	3366.514208817864	3225.594907	3220.059960345733	32.91030225516398	163.4542824741125
242	211	55642	-211881.1413	930997.3170250766	39.24944530831965	-101.5491589	280590.2603730182	4367535.52596368	355.67405768536	3364.87017081447	3223.7034	3217.53418400163	32.9111585417833371	167.3276835812836
243	211	55643	-211221.1413	930997.3170250766	39.2494602010929	-101.5468327	280791.3279039633	4367531.44942283	355.64784679672	3363.203498084777	3221.6396528302243	3219.57159880373	32.9115637419825335	171.62587491764043
244	211	55644	-210561.1413	930997.3170250766	39.249474614727866	-101.5444885	280992.396221730924	4367527.373092684	355.62119434132	3361.538712516976	3219.55034911755	3218.58457794471825	32.911883721454721	175.8909258
245	211	55645	-209901.1413	930997.3170250766	39.24948894824488	-101.5421533	281193.46241514056	4367523.29696455	355.6286590317505	3359.8814389395	3217.5812964654555	3217.544895292924	32.91288476254797	186.3232478800572
246	211	55646	-209241.1413	930997.3170250766	39.24950350205503	-101.539817	281394.3429890954	4367519.22147143	355.61009764929	3358.19223654033	3216.1107269193785	3214.18162797912	32.911621797912	192.1621973011865
247	211	55647	-208581.1413	930997.3170250766	39.249517587938214	-101.5374828	281595.59567954	4367515.14334041	355.6208247193753	3356.6113845274436	3215.429221314237	3213.737580732776	32.91173350270776	194.961258678836
248	211	55648	-207921.1413	930997.3170250766	39.24953182	-101.5351476	281796.6241956735	4367511.07	355.61954714200956	3354.826129728356	3214.799449	3204.489281138002	32.91026605053957	200.3368449620337
249	211	55649	-207261.1413	930997.3170250766	39.24954601119634	-101.5328123	281977.726857363	4367506.99452491	355.5726534034	3353.136858490244	3214.98088	3205.89658995918	32.911559788011435	207.62524906256
250	211	55650	-206601.1413	930997.3170250766	39.24956015516211	-101.5304771	282198.7946808731	4367502.91428008	355.4799194470733	3351.43799480638	3215.15689222423	3206.797737448676	32.9126829072564076	214.644621620318922
251	211	55651	-205941.1413	930997.3170250766	39.24957425041896	-101.5281419	282399.860487851	4367498.845	355.404210096843	3349.74906751476	3215.017	3207.095967446184	32.913790965140763	222.931093196992
252	211	55652	-205281.1413	930997.3170250766	39.2495883424488	-101.5258966	282600.520844743	4367494.76985141	355.3501452397115	3348.494312410754	3214.793626846507	3207.0808793680034	32.912851815342472	230.9826472247494
253	211	55653	-204621.1413	930997.3170250766	39.24960350205503	-101.523618	282808.57663878	4367490.60019347	355.3008714340664	3347.4008714340664	3213.6826846507	3206.18162797912	32.911621797912	240.1621973011865
254	211	55654	-203961.1413	930997.3170250766	39.24961628	-101.521382	283003.0563021574	4367486.62109695	355.25752560458	3346.43303747691	3213.260572774533	3212.5625283486206	32.91173350270776	248.961258678836
255	211	55655												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRElevBothKrg	BRElevBothKrg	SatHtKos	SatHtBoth
321	155737	-149181.1413		930997.3170250766	39.43061800580786	-101.3273098	399690.7404253434	43671.4911797283	3384.0245347984255	3232.309755102113	3104.363538950791	3104.0378028812843	118.9462162	119.2719522028855
338	211	155738	-148521.1413	930997.3170250766	39.43062817488991	-101.3249733	399891.7886	43671.46114393551	3382.36427432435	3216.862641945184	3102.56714	3102.1256247851922	118.94704	119.7404761027941
339	211	155739	-147861.1413	930997.3170250766	39.43063830494987	-101.322638	399902.83627127	43671.4105810521	3381.2307481137724	3220.414726501676	3100.584717135289	3100.0845732417076	118.9187536201547	120.3388974139866
340	211	155740	-147201.1413	930997.3170250766	39.43064839	-101.3203027	399938.887835553	43671.37104147676	3380.6343690914292	3218.95387309584	3098.9089502009	3098.323248	120.04497788977551	120.6307480359456
341	211	155741	-146541.1413	930997.3170250766	39.430658427071556	-101.3179674	399938.831227558	43671.32405506212	3380.050421	3217.4908358272296	3098.173345185816	3097.749369766053	119.71749055539679	119.714416610617265
342	211	155742	-145881.1413	930997.3170250766	39.430662091679	-101.3156321	399945.978340374	43671.2848883309	3379.456204674284	3216.02746803328	3098.4527113973413	3097.8718516284075	117.574393539687	118.155793049205
343	211	155743	-145221.1413	930997.3170250766	39.43067836961034	-101.3132968	399897.025344981	43671.2438218835	3378.3019833114986	3214.5858116808713	3098.737688747754	3098.098447650323	115.8308428603259	116.4700681939275
344	211	155744	-144561.1413	930997.3170250766	39.43068827327423	-101.3109815	391088.071	43671.2077309117	3376.370177700917	3213.1180216296775	3099.017501609723	3097.561562888576	114.10052001959473	115.5518898411012
345	211	155745	-143901.1413	930997.3170250766	39.43069813778638	-101.3086263	391296.1198811869	43671.1670430433	3374.77659789521	3211.8811622799957	3098.78108473667	3096.99641898573	112.7700673083555	122.68853038041642
346	211	155746	-143241.1413	930997.3170250766	39.43070794518745	-101.3052059	391500.1560582573	43671.12560042048	3373.155021460228	3210.263139	3098.5000214382044	3097.0039592952133	111.7631174599647	114.1823839453667
347	211	155747	-142581.1413	930997.3170250766	39.43071177134744	-101.3035556	391701.2112	43671.0810093065	3371.2920289158205	3208.869872254373	3097.968981991219	3094.840505472319	110.001102342182	114.1012179301822
348	211	155748	-141921.1413	930997.3170250766	39.43072744	-101.3016202	391902.257224178	43671.0455581873	3369.281698743553	3207.503524386913	3097.118435502373	3097.34113357078	110.385089286758	114.1851174989511
349	211	155749	-141261.1413	930997.3170250766	39.43073711472406	-101.2992849	392103.30103138285	43671.001501	3367.100830520444	3206.170083052044	3096.0262776833663	3091.729201247858	110.1438535867814	114.44430539272866
350	211	155750	-140601.1413	930997.3170250766	39.43074674768068	-101.2969496	392304.3486144671978	43670.9646451978	3365.2613987392758	3204.868840826263	3096.3417413517087	3090.0968131509094	110.0451730917578	114.7720276753346
351	211	155751	-139941.1413	930997.3170250766	39.43075633552611	-101.2946143	392505.39041867747	43670.902390758255	3363.301489724628	3203.5978339899943	3095.6961230448254	3095.130333304567	110.9366535416897	115.45247598853769
352	211	155752	-139281.1413	930997.3170250766	39.430765878260345	-101.292279	392706.4392320189	43670.83873704429	3361.392752548794	3202.353646598367	3090.638950797465	3096.184293705874	111.7161875020018	116.16875286376282
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356	211	155756	-136641.1413	930997.3170250766	39.4308036	-101.2829378	393510.6181387998	43670.7212366241	3351.911956748823	3197.45381357914	3081.4972886251394	3097.6928025750244	116.04629272377442	119.8507787828839
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359	211	155759	-134661.1413	930997.3170250766	39.43083125959682	-101.245727	394072.303051312	43670.591262856	3341.285276977406	3194.157194574704	3090.2410509162182	3090.2410509162182	111.5718113395414	118.8483702510534
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363	211	155763	-132021.1413	930997.3170250766	39.43086787099395	-101.2665905	394917.9328176543	43670.4375530642	3325.138173299339	3189.043470160424	3072.75108617913	3070.23406659232	118.8090679078229	118.8090679078229
364	211	155764	-131361.1413	930997.3170250766	39.43087687239383	-101.2642552	395118.9667243003	43670.3970381691	3324.41470850392	3187.771703109414	3072.866979692148	3069.96770548509	114.9047833187933	117.80405756432226
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366	211	155766	-130041.1413	930997.3170250766	39.430895386554	-101.2595846	395521.0519565841	43670.3161	3319.548175930879	3185.20079771557	3072.866979692148	3069.96770548509	115.59845633816314	118.8483702510534
367	211	155767	-129381.1413	930997.3170250766	39.43090360590207	-101.2572493	395722.09428674285	43670.2754998703	3317.9218262	3183.894367594057	3072.866979692148	3069.96770548509	115.59845633816314	118.8483702510534
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369	211	155769	-128061.1413	930997.3170250766	39.4309212	-101.2525786	396124.17837611825	43670.1948330539	3315.843788690243	3181.2184387259217	3071.162092609461	3057.742223245547	110.0563611646005	123.4942145803748
370	211	155770	-127401.1413	930997.3170250766	39.430929334434	-101.2502423	396325.20135477	43670.15372219933	3314.957937494093	3179.85793494093	3069.28894224757	3059.119875	110.5692045056326	120.7380017385641
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372	211	155772	-126081.1413	930997.3170250766	39.43094725959682	-101.245727	396727.303051312	43670.071262856	3312.951267977406	3177.08292777406	3065.51975494704	3060.2410509162182	111.5718113395414	118.8483702510534
373	211	155773	-125421.1413	930997.3170250766	39.4309565854648	-101.2432373	396928.3442768934	43670.0234758946	3311.926012165787	3175.678571613318	3062.832627677168	3060.2507216387	112.8494383616362	116.3262913089024
374	211	155774	-124761.1413	930997.3170250766	39.430964405252986	-101.240902	397129.383758599	43669.9917845458	3309.958757840405	3174.2743237112727	3059.493096145868	3057.321491936657	114.7530150968589	116.9252317460483
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376	211	155776	-123441.1413	930997.3170250766	39.43098173048572	-101.2362314	397531.4668157363	43669.910919479	3307.25910686806	3171.3124555382135	3050.41968060741	3051.069272923192	119.902747484425	120.2431846602161
377	211	155777	-122781.1413	930997.3170250766	39.4309897854367	-101.233896	397739.78521571579	43669.87050139697	3306.71848819944	3169.804061	3047.718029795697	3047.718029795697	112.0893010605072	120.0836269307219
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379	211	155779	-121461.1413	930997.3170250766	39.43100725959682	-101.229317	398134.681930912	43669.78541312	3304.781930912	3167.08292777406	3045.51975494704	3060.2410509162182	111.5718113395414	118.8483702510534
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevLogsKrig.1	BRRElevBothKrig.1	SatHtLogsKrig.1	SatHtBothKrig.1
43	211	155863	-66021.141313	930997.3170250766	39.43154470694205	-101.0330663	325021.3201525485	4366639.995756404	1160.146279227481	1015.9356784	2981.989324008183	2969.9456182233257	39.431745945	45.9911652909412
464	211	155864	-65361.141313	930997.3170250766	39.43154919712854	-101.030721	325222.3268721165	4366635.56466717	1156.318491742239	1015.9356784	2983.116500356298	2962.3658004005745	31.394235179123656	52.153886112846976
465	211	155865	-64997.141313	930997.3170250766	39.43153642220768	-101.0263856	325423.3616212291	4366637.5545474781	1153.497078731147	1013.919698224982	2982.825727469424	2954.7543371890904	30.254269546244706	55.5173236193472
466	211	155866	-64041.141313	930997.3170250766	39.43155804	-101.0260502	325622.3761000904	4366627.502498851	1146.691529619513	1011.6796813735946	2983.5195427133244	2955.4080071792616	31.104116026317	56.2738044374867
467	211	155867	-63381.141313	930997.3170250766	39.43156230701177	-101.0237149	325825.40048089023	4366623.471820657	1147.3760514497239	1012.72629502769	2976.734933860436	2957.376823242277	33.541361441655226	52.89946873473103
468	211	155868	-62721.141313	930997.3170250766	39.431566706747425	-101.0213795	326026.42454787926	4366614.341426281	1148.6301143154983	1008.81945345102	2971.6384158524993	2955.745378375162	37.24325994505265	53.1365119693917
469	211	155869	-62061.141313	930997.3170250766	39.43157091737034	-101.0190441	326227.44851727172	4366615.411075709	1149.8841691382713	1007.4964513304594	2965.737410233173	2950.206269895279	41.75939107928663	57.2937814079386
470	211	155870	-61401.141313	930997.3170250766	39.431575190804804	-101.0167688	326428.472731712454	4366611.381008932	1151.138227953434	1006.1196903734707	2969.72932308204	2967.9302733446625	59.691510610417936	60.1774454740936
471	211	155871	-60741.141313	930997.3170250766	39.43157956277794	-101.0143734	326629.49847479534	4366607.351145951	1153.0336972022834	1004.75120330388	2963.454577285357	2962.6086458318996	51.296682550342164	61.625574119835
472	211	155872	-60081.141313	930997.3170250766	39.43158349	-101.0120381	326830.5194054992	4366603.324867491	1145.756251871931	1003.301106105556	2947.5720727749493	2939.029252	55.8195733396156	64.3617457314937
473	211	155873	-59421.141313	930997.3170250766	39.4315857873452	-101.0097027	327031.5420723178	4366599.292031322	1143.121891541598	1002.383673929254	2942.2486874234634	2935.683796924205	56.8129036966858	66.3520093696858
474	211	155874	-58761.141313	930997.3170250766	39.43159167179365	-101.0073673	327232.5656265578	4365995.26779958	1143.664601211265	1000.69280519544	2937.578621329844	2937.763048431147	61.12859149999975	66.96205895312223
475	211	155875	-58011.141313	930997.3170250766	39.43159561174001	-101.005032	327433.5887823929	4365991.23373151	1143.669374564866	999.35226429877	2933.83395958532	2931.40949245203384	55.8129036966858	67.943283903571
476	211	155876	-57441.141313	930997.3170250766	39.43159956507349	-101.002896	327634.6118907613	4365987.24087594	1143.209301600061	998.017851439516	2931.5081053460085	2929.96456659819	66.5097469	68.2143486969991
477	211	155877	-56781.141313	930997.3170250766	39.431603364294359	-101.000612	327835.63411596103	4365983.16247176	1143.17248718693558	996.6855114111623	2929.397554259902	2928.19914343816	67.7897175274105	68.48841679900696
478	211	155878	-56121.141313	930997.3170250766	39.43160732292022	-100.998029	328036.656415338	4365978.147810488	1143.204557201403	995.35038074783	2927.5219683947936	2926.90209773006	67.433068999932	68.966834117676
479	211	155879	-55461.141313	930997.3170250766	39.43161136397485	-100.9954095	328237.6789258075	4365975.11957258	1143.202435351264	994.26727988565	2925.838814131901	2925.651260180305	67.918136666408	68.3754678182639
480	211	155880	-54801.141313	930997.3170250766	39.431614904779835	-100.9933551	328438.7010427064	4365971.95154279	1143.21607462753847	992.6982828219343	2924.303977040058	2924.6530578187648	68.26578185523934	68.3754678182639
481	211	155881	-54141.141313	930997.3170250766	39.4316186204938	-100.9910198	328639.7229923447	4365667.06377238	1143.2268499156426	991.3674162464063	2923.24228784361	2923.230706645147	68.12512836204542	68.13670960108857
482	211	155882	-53481.141313	930997.3170250766	39.43162230620604	-100.9888844	328840.7447751948	4365663.306100894	1143.216725290001	990.0349165406357	2921.597329888424	2924.6343620895245	67.943283903571	69.351543665117
483	211	155883	-52821.141313	930997.3170250766	39.43162593924989	-100.986349	329001.7663911949	4365599.08882742	1143.2118021700597	989.700071248775	2920.4280112692354	2920.4280482277214	67.7285097954203	68.615899587
484	211	155884	-52161.141313	930997.3170250766	39.43162935	-100.9840137	329242.780480335	4365554.381482715	1143.215259356714	987.361733597214	2919.72393372256	2919.22948480108	68.2929949521373	68.13359147635128
485	211	155885	-51501.141313	930997.3170250766	39.4316337936775	-100.9815138	329469.833694479	4365528.79669388	1143.21024218	986.321298738815	2919.126809369744	2919.324863716744	68.2929949521373	68.13359147635128
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487	211	155887	-50181.141313	930997.3170250766	39.43163902029682	-100.9770076	329845.831916936	4365525.491	1143.212373206025	983.381193372325	2917.568676425484	2918.12080593505	65.7682491183657	65.7682491183657
488	211	155888	-49521.141313	930997.3170250766	39.43164342777636	-100.9746722	330046.8719678046	4365538.87464701	1143.211743319232	981.991032339393	2916.946748473839	2917.3690361335193	65.0442907610047	64.6220031004199
489	211	155889	-48861.141313	930997.3170250766	39.4316467790143056	-100.9723368	330247.8929567162	4365534.84840506	1143.211743319232	980.64088993058	2916.257426271654	2916.729719990804	64.6220031004199	64.6220031004199
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491	211	155891	-47541.141313	930997.3170250766	39.4316533793775	-100.9676687	330649.833694479	4365528.79669388	1143.21024218	978.3015916	2914.515067248386	2914.515067248386	63.7623663240889	63.7623663240889
492	211	155892	-46881.141313	930997.3170250766	39.43165665704366	-100.965307	330850.934584217	4365525.927650344	1143.21024218	977.1188077974	2913.65339037144	2913.65339037144	63.7623663240889	63.7623663240889
493	211	155893	-46221.141313	930997.3170250766	39.4316597848089	-100.9629954	331051.973425826	4365518.75203243	1143.21024218	976.016956344632	2913.02322704271	2913.02322704271	63.7623663240889	63.7623663240889
494	211	155894	-45561.141313	930997.3170250766	39.43166225820364	-100.96066	331265.92937191287	4365514.70254226	1143.21024218	975.845092124498	2912.544573989644	2912.544573989644	63.7623663240889	63.7623663240889
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496	211	155896	-44241.141313	930997.3170250766	39.43166906	-100.9559983	331655.032137964	4365506.78077862	1143.21024218	973.63436215639	2911.0176938134	2911.0176938134	63.7623663240889	63.7623663240889
497	211	155897	-43581.141313	930997.3170250766	39.4316720501212	-100.9536839	331856.051620009	4365502.64821395	1143.21024218	972.527234755887	2910.03391912613	2910.03391912613	63.7623663240889	63.7623663240889
498	211	155898	-42921.141313	930997.3170250766	39.4316750314989	-100.951418	332057.07758367	4365498.212873815	1143.21024218	971.429651797654	2909.04171797654	2909.04171797654	63.7623663240889	63.7623663240889
499	211	155899	-42261.141313	930997.3170250766	39.43167823200216	-100.9496381	332258.087952926	4365494.97887243	1143.21024218	970.32857875867	2908.0565877905	2908.0565877905	63.7623663240889	63.7623663240889
500	211	155900	-41601.141313	930997.3170250766	39.4316807798214	-100.9464678	332459.10854779496	4365490.57370645	1143.21024218	969.32554456327	2906.54123706649	2906.54123706649	63.7623663240889	63.7623663240889
501	211	155901	-40941.141313	930997.3170250766	39.43168361973652	-100.9443124	332660.12719719374	4365486.549977844	1143.21024218	968.2778984137	2905.04642493034	2905.076817414505	61.0824518907113	59.49078696240105
502	211	155902	-40281.141313	930997.3170250766	39.43168635636596	-100.9419177	332861.14578368125	4365482.5245855	1143.21024218	967.20833637204	2904.350653088018	2902.872099656288	61.0824518907113	59.49078696240105
503	211	155903	-39621.141313	930997.3170250766	39.431689126422306	-100.9396417	333062.1641075879	4365478.93039745	1143.21024218	966.1710508190567	2903.571825178815	2903.571825178815	61.0824518907113	59.49078696240105
504	211	155904	-38961.141313	930997.3170250766	39.43169181	-100.9373037	333263.182690473	4365474.47937156	1143.21024218	965.074341488572	2902.5937417301475	2902.5937417301475	61.0824518907113	59.49078696240105
505	211	155905	-38301.141313	930997.3170250766	39.4316945749568	-100.9349857	333464.208193793	4365470.028193793	1143.21024218	964.0049249162045	2901.6049249162045	2901.6049249162045	61.0824518907113	59.49078696240105
506	211	155906	-37641.141313	930997.3170250766	39.43169704811069	-100.9326355	333665.21851054376	4365465.93426477	1143.21024218	962.9582807117603	2900.6330740171603	2900.6330740171603	61.0824518907113	59.49078696240105
507	21													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatThKgr.f	SatThBoth.f
588	211	155989	17738.8586730335	390997.3170250766	39.43175520603749	-100.7387994	350349.1542052923	4366133.255757398	2549.5509292725174	2183.57039599761834	2748.491489705862	2746.9006261354807	60.7780059979195	66.6697336235326
590	211	155990	17798.8586730335	390997.3170250766	39.431754041	-100.736444	350501.1591642228	4366129.25085115	2941.697405066623	2811.75487071311987	2748.485436067264	2746.182436377497	63.2894345432206	65.5724353754089
591	211	155991	18048.8586730335	390997.3170250766	39.43175277191964	-100.734287	350575.1638765667	4366125.24447967	2898.481261410094	2748.884261410094	2746.16429610328	2746.0558866981227	61.16884936987127	64.16884936987127
592	211	155992	19115.8586730335	390997.3170250766	39.43175144854100	-100.7317033	350625.1668485248	4366121.39204919	2898.356458326526	2808.129519256844	2746.725449373668	2746.05726224877	64.08406989847734	61.5687013196706
593	211	155993	19778.8586730335	390997.3170250766	39.43175015914943	-100.7294579	351153.1731740737	4366117.23248094	2929.7407701220335	2806.3195833020281	2751.0025359828796	2747.2311624296443	59.70037330410275	59.0073768963635
594	211	155994	20438.8586730335	390997.3170250766	39.431748784644704	-100.7271226	351354.1757556117	4366113.22429393	2895.213754577577	2806.511290171233	2752.6101181463187	2748.660719146344	51.9017129241635	55.8505280596986
595	211	155995	21098.8586730335	390997.3170250766	39.43174730562688	-100.7247872	351555.181796416104	4366109.25476534	2923.349798400517	2802.704779693495	2754.631328049299	2750.497479552914	48.0734514419935	50.720799927913
596	211	155996	21758.8586730335	390997.3170250766	39.4317459	-100.7224818	351756.188688642	4366105.22039074	2934.348301	2800.900008658426	2756.911803	2753.616977858704	43.48320555519647	47.28303079972193
597	211	155997	22418.8586730335	390997.3170250766	39.43174430945051	-100.7201164	351957.1898367676	4366101.21665894	2799.96997235562	2798.51529533143	2757.988047529717	2756.1696924853	38.5817689024853	42.7278769024853
598	211	155998	23078.8586730335	390997.3170250766	39.43174283450501	-100.7171781	352158.1936747146	4366097.212005384	2825.4524521707	2797.202971030664	2754.81587982365	2727.110987722068	42.4770972423282	47.0118973535527
599	211	155999	23738.8586730335	390997.3170250766	39.43174124	-100.7154457	352359.1973217697	4366093.20817787	2927.837307707857	2795.469237486004	2747.5355876490025	2730.92430401833	34.7493361	64.5590870842315
600	211	160000	24398.8586730335	390997.3170250766	39.43173959024174	-100.7131103	352560.2003505095	4366089.20451369	2929.5716084180	2793.67278401705	2741.408676104083	2730.7344005026626	52.2641801	62.9383909140259
601	211	160001	25058.8586730335	390997.3170250766	39.4317379	-100.7107749	352761.2041480876	4366085.20101629	2931.856539155831	2793.742464600577	2736.742464600577	2734.483397305043	55.1140741698884	68.00872011125167
602	211	160002	25718.8586730335	390997.3170250766	39.4317361645323	-100.7084396	352962.2075	4366081.197820372	2935.301797862174	2793.681797862174	2733.516966273968	2719.86797845133	55.6192134889438	70.16819297393629
603	211	160003	26378.8586730335	390997.3170250766	39.431734384013886	-100.7061402	353163.2165470577	4366077.19479517	2938.04262905477	2798.217105323678	2731.696626852408	2746.026885931	58.54508364712599	73.08904193855076
604	211	160004	27038.8586730335	390997.3170250766	39.43173255378485	-100.703789	353364.2135000957	4366073.19190037	2938.134369605844	2796.383152	2730.393075403026	2730.894047278413	55.9892767089612	77.4891047231592
605	211	160005	27698.8586730335	390997.3170250766	39.43173086783006	-100.7014335	353565.2163125671	4366069.18929348	2940.953240369376	2784.550540521923	2728.19417157811	2702.832956916297	58.3638978038148	81.7514568626276
606	211	160006	28358.8586730335	390997.3170250766	39.43172871776855	-100.6990981	353766.2198927156	4366065.18600933	2792.7393219322104	2787.7393219322104	2727.7288472708426	2697.458047418596	85.2548781209884	88.2548781209884
607	211	160007	29018.8586730335	390997.3170250766	39.43172681079403	-100.6967627	353967.2211551752	4366061.18450741	2945.744203125854	2780.872917631314	2725.800450478518	2730.83192582924	55.0634355279629	77.0799540039016
608	211	160008	29678.8586730335	390997.3170250766	39.43172480470648	-100.6944273	354168.2239953127	4366057.18265301	2948.3580958074	2790.026729270347	2723.425305858836	2706.43035	72.596371758459	72.596371758459
609	211	160009	30338.8586730335	390997.3170250766	39.43172295192266	-100.692092	354369.22614617983	4366053.18092891	2947.1786575846263	2792.59325346833	2720.59325346833	2705.38850070498	55.8934577362004	71.7881568299538
610	211	160010	30998.8586730335	390997.3170250766	39.431720657159844	-100.689756	354570.226252491	4366049.19701796	2948.05416857407	2775.3239976748	2717.430116910264	2702.501432935444	57.58311344628294	72.82186347320476
611	211	160011	31658.8586730335	390997.3170250766	39.4317184305755996	-100.6874162	354771.2304219824	4366045.177840344	2949.05177840344	2774.665577803944	2716.788577803944	2701.768577803944	58.858184371666	73.858184371666
612	211	160012	32318.8586730335	390997.3170250766	39.43171633	-100.685058	354972.230434442	4366041.17658197	2949.04318440327	2771.6065582724587	2708.793544405553	2699.260153238685	61.3704177040272	72.4642749377218
613	211	160013	32978.8586730335	390997.3170250766	39.43171409757206	-100.6827505	355173.2337287803	4366037.15705069	2949.925543420985	2769.793552468074	2705.7515305218	2697.595085083888	63.888021432849564	71.42446613
614	211	160014	33638.8586730335	390997.3170250766	39.4317118280751	-100.6804151	355374.23527425004	4366033.175	2938.35942240869	2767.863746193573	2701.625247466843	2698.38118475768	66.2372142885299	69.4825214773001
615	211	160015	34298.8586730335	390997.3170250766	39.4317095	-100.6780797	355575.23686059	4366029.17457111	2937.0296428396	2765.991248023956	2697.168326423204	2695.620542681984	68.2372142885299	70.585938933871
616	211	160016	34958.8586730335	390997.3170250766	39.431707319370	-100.6757444	355776.237946407	4366025.17374062	2936.93033850163	2764.08418555654	2692.481774563975	2692.457907968683	71.603439	71.6275114568970
617	211	160017	35618.8586730335	390997.3170250766	39.4317051798325	-100.673409	355987.238075983	4366021.173843525	2936.8319718416678	2763.963134021384	2692.363134021384	2692.363134021384	72.7885184761526	72.7885184761526
618	211	160018	36278.8586730335	390997.3170250766	39.43170316	-100.6710736	356178.240155913	4366017.173555578	2936.7091575054	2762.89154	2692.158175705914	2692.158175705914	73.858184761526	73.858184761526
619	211	160019	36938.8586730335	390997.3170250766	39.43169970628392	-100.6687382	356379.2409107734	4366013.17376129	2935.826295201867	2763.7409157251	2696.420255001606	2696.420255001606	74.9268158241052	74.9268158241052
620	211	160020	37598.8586730335	390997.3170250766	39.43169721240022	-100.6664029	356580.2416213475	4366009.174617193	2934.1166980278	2756.41630213627	2696.52220748334	2697.30421884744	75.9118841566189	75.9118841566189
621	211	160021	38258.8586730335	390997.3170250766	39.43169464202835	-100.6640675	356781.2421934907	4366005.17477676	2934.06465345304	2754.46031769898	2700.964591218557	2695.214527785	53.5095723004229	59.2614749811257
622	211	160022	38918.8586730335	390997.3170250766	39.4316921861388	-100.6617231	356982.24627411	4366001.17588836	2930.696250389182	2752.526230539898	2703.725619711407	2689.817927818447	58.8006102848715	62.708402614806
623	211	160023	39578.8586730335	390997.3170250766	39.431689299823214	-100.659398	357183.242523107	4365997.17603399	2928.529015712435	2750.968486994447	2705.476466522513	2679.704732152662	59.6903028	70.8617377481259
624	211	160024	40238.8586730335	390997.3170250766	39.431687019632044	-100.6570614	357384.2438136	4365993.172704346	2928.418227680269	2748.5987134021384	2696.418227680269	2696.418227680269	50.1904511852528	75.8085174589818
625	211	160025	40898.8586730335	390997.3170250766	39.431684783982174	-100.654726	357585.243107187134	4365989.179	2928.280601417877	2746.619719327966	2688.889715923686	2697.7021659239	60.790034398274	76.8990972800016
626	211	160026	41558.8586730335	390997.3170250766	39.4316809800562	-100.6523906	357786.242984429	4365985.180961924	2928.6394265299	2744.63292144288	2690.502405378894	2674.06102711995614	60.510016063934	70.5718942423965
627	211	160027	42218.8586730335	390997.3170250766	39.431678117571174	-100.6500553	357987.24273081357	4365981.18286633	2919.638495954706	2742.635863940341	2694.786311260476	2681.664174903595	62.65221211665875	69.0716885
628	211	160028	42878.8586730335	390997.3170250766	39.43167520922376	-100.6477199	358188.2423396923	4365977.184713229	2920.6736348358	2680.479024301487	2684.7296217381913	2680.479024301487	61.14829310502918	55.897741610658
629	211	160029	43538.8586730335	390997.3170250766	39.4316725576343	-100.6453485	358389.2418117813	4365973.186942538	2921.0402005987	2738.6056074114367	2681.416781782583	2689.078663710404	57.8268526854734	62.4579070303993
630	211	160030	44198.8586730335	390997.3170250766	39.43166925717885	-100.6430492	358590.2412472033	4365969.189532787	2921.722514531491	2736.57259140535	2682.490585555574	2681.009759796864	54.0620555621174	45.5623161
631	211	160031	44858.8586730335	390997.3170250766	39.431666971802044	-100.6407136	358791.2406192044	4365965.189532787	2921.722514531491	2736.57259140535	2682.490585555574	2681.009759796864	54.0620555621174	45.5623161
632	211	160032	45518.8586730335	390997.3170250766	39.43166312470031	-100.6383784	358992.2390592858	4365961.194403103						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	On.SatHeight.ft	SatHeight.ft
715	211	156115	100298.85687307335	930097.3170250766	39.431249491483264	-100.4445438	375674.7074038946	4365630.134995885	2785.0713125414704	2591.162430569167	2552.1031646400916	2562.897504387343	39.05926592975536	28.2642921821494
716	211	156116	100598.85687307335	930097.3170250766	39.43124621322482	-100.4422084	3756575.6956080095	4365626.154801703	2785.311618108098	2590.063692	2551.178176552361	2555.28426598081	38.88551503609116	34.77926500234869
717	211	156117	101618.85687307335	930097.3170250766	39.43123568697676	-100.4358871	376076.6840989274	4365622.748104477	2786.580103780183	2589.163084659278	2549.12782742976	2550.13062419436	38.7449891271668	38.7449891271668
718	211	156118	102178.85687307335	930097.3170250766	39.43122871278484	-100.4375377	376277.6722	4365618.195002028	2786.78585990228	2587.32262323774	2544.7759570488856	2547.9269184391735	42.116674044537636	
719	211	156119	102938.85687307335	930097.3170250766	39.43122127787124	-100.4352024	376478.6602204456	4365614.125432838	2786.831234212688	2586.77780617158	2541.611228	2542.0948102321032	45.16665212237584	44.68287038005474
720	211	156120	103598.85687307335	930097.3170250766	39.43121464908373	-100.432867	376678.6481035266	4365610.236046467	2786.7678038211956	2585.6806831465783	2538.913228451751	2546.764549482739	46.732764947127254	
721	211	156121	104258.85687307335	930097.3170250766	39.431207545268265	-100.4305317	376880.6359	4365606.256817035	2786.52482225625	2584.581656	2536.637815386132	2536.502157410922	47.94380413540821	48.07948911601828
722	211	156122	104918.85687307335	930097.3170250766	39.4312003634077	-100.4281964	377081.6236163795	4365602.277878543	2786.73164623203	2583.479726326153	2533.060209396796	2537.675094615963	49.14591697	48.6043171461908
723	211	156123	105578.85687307335	930097.3170250766	39.4311930230123	-100.425861	377292.6110468272	4365596.29969678	2784.5418924536652	2582.374008933804	2534.0287366778517	2534.117827127338	49.34772140552877	48.25638965641984
724	211	156124	106238.85687307335	930097.3170250766	39.43118595314989	-100.4235257	377483.59845972154	4365594.320516986	2783.035560933205	2581.2637781051776	2533.7477004431206	2533.944697042896	49.516989257072	47.4108120089804
725	211	156125	106858.85687307335	930097.3170250766	39.43117867888613	-100.4211903	377684.585755253	4365590.32138572	2781.529268326991	2580.1484656052658	2534.0678678686677	2534.8607718599733	48.0084977567804	45.2868613353266
726	211	156126	107582.85687307335	930097.3170250766	39.431171349510585	-100.41885	377885.57529	4365586.36361274	2780.272167736574	2579.02713344029	2534.4880945427706	2535.2094404335885	45.339618897586	43.81827291040555
727	211	156127	108158.85687307335	930097.3170250766	39.43116370523054	-100.4165197	378086.5599568315	4365582.38996427	2786.456498	2577.90309697634	2534.52806303934665	2533.804234735085	44.9880927031362	
728	211	156128	108878.85687307335	930097.3170250766	39.43115655542306	-100.4141843	378287.5488243247	4365578.402126785	2786.825919525783	2576.820915297385	2531.0632012579512	2537.710833742814	45.709738035048304	44.502447781818
729	211	156129	109628.85687307335	930097.3170250766	39.4311490071216	-100.41189	378483.5473194173	4365574.430044648	2785.203284595735	2575.639	2528.367109	2528.4371679695116	47.268490365459784	47.268490365459784
730	211	156130	110188.85687307335	930097.3170250766	39.431141150888784	-100.4095137	378689.5240853717	4365570.4532097825	2784.571677584117	2574.491239633	2525.816200372063	2525.963467817028	48.4747901106162	48.52585390407974
731	211	156131	110688.85687307335	930097.3170250766	39.43113403	-100.4071783	378890.507	4365564.67100616	2782.672458543997	2573.340817570011	2523.603558300923	2525.98199630527	49.7367173991672	49.75882126480383
732	211	156132	111518.85687307335	930097.3170250766	39.43112642509314	-100.40484	379091.493564587	4365562.49132959	2782.186859120736	2571.41935440231	2521.224488132647	2520.76723184258	50.96191098088016	
733	211	156133	112178.85687307335	930097.3170250766	39.43111878074725	-100.4025077	379292.479831328	4365558.522368084	2781.623653221726	2571.026926100664	2519.4664751622586	2519.107230447385	51.56232145	51.85946216268121
734	211	156134	112838.85687307335	930097.3170250766	39.43111109	-100.4001723	379493.464818249	4365545.54802138	2781.181756211558	2569.88109056933	2517.633548795444	2517.3627421575857	52.3627062114945	52.056369009764
735	211	156135	113498.85687307335	930097.3170250766	39.4311035503947	-100.397837	379694.452317351	4365540.596438953	2780.52681070653	2568.70159795206	2515.517561435123	2515.151081708741	53.18441436089197	53.549924869736376
736	211	156136	114158.85687307335	930097.3170250766	39.4310955459881	-100.3950517	379894.4835430873	4365540.3953	2778.228423170457	2567.531548999176	2512.857867188132	2512.868632286377	54.66261712802144	54.66261712802144
737	211	156137	114818.85687307335	930097.3170250766	39.43108754898232	-100.39277	380094.520459043	4365542.713169892	2776.42383072628	2567.32092829071	2510.46714654363	2510.46714654363	54.74367478	54.74367478
738	211	156138	115418.85687307335	930097.3170250766	39.4310796274026	-100.39031	380297.4103091054	4365538.64155819	2774.63190911064	2565.1949105945	2508.490543695226	2508.3114097018076	56.66794736	56.8670172925158
739	211	156139	116138.85687307335	930097.3170250766	39.431071782443816	-100.3884957	380498.3957171873	4365538.05391	2773.0543911662	2563.995959081583	2505.87221841871	2505.33005673807	58.123786828731	58.665884859451455
740	211	156140	116798.85687307335	930097.3170250766	39.43106401502016	-100.3861603	380699.3812812556	4365530.6904435	2773.14756700553	2562.809298589152	2500.8746687163	2500.8746687163	61.9344298051528	61.126721931558175
1	212	156141	-370941.1413	931657.3170250766	39.2645825472242	-102.1119476	322130.3406554718	43687.0043664156	3380.04273431196	3368.7582132317916	3551.034351701256	3368.7582132317916	73.59438340272035	
2	212	156142	-370281.1413	931657.3170250766	39.26438358228925	-102.1096126	323231.46589923254	4368721.178091259	3347.811758400166	3373.34502150166	3647.342624899567	3647.852032030637	76.0218716059916	75.5124638100243
3	212	156143	-369621.1413	931657.3170250766	39.2642646919674	-102.1094927	323340.458130943	4368717.0581743895	3347.42383072628	3373.20092829071	3647.763474800338	3647.763474800338	77.0476673669224	77.0476673669224
4	212	156144	-369021.1413	931657.3170250766	39.2642053411121256	-102.1054289	323473.7175705365	4368712.705869574	3347.127058603297	3368.890540921974	3647.63033711131	3647.63033711131	78.1200714112187	
5	212	156145	-368301.1413	931657.3170250766	39.26559303363635	-102.1026077	323593.8038730873474	4368708.79671595	3346.918132576652	3371.5616076207666	3648.1936396002775	3647.797277392745	79.3676703048916	79.3676703048916
6	212	156146	-367641.1413	931657.3170250766	39.26584445655032	-102.1002727	323735.9645819533	4368704.739346697	3346.291384643431	3371.021384643431	3647.04212339885	3647.04212339885	79.2135073268544	79.2135073268544
7	212	156147	-366981.1413	931657.3170250766	39.2660956161341	-102.0973577	323337.0889506465	4368700.54842984	3344.09695652948	3371.01736302261	3645.571149286896	3645.571149286896	79.3615413537164	79.3615413537164
8	212	156148	-366231.1413	931657.3170250766	39.266342157553	-102.0950267	323538.2123489283	4368696.42119345	3340.21067362481	3371.57470349542073	3644.3508234902874	3644.3508234902874	79.461374369193	79.461374369193
9	212	156149	-365661.1413	931657.3170250766	39.2665963643646	-102.0932577	323739.3358149374	4368692.29816876	3338.32562207343	3371.473880631494	3643.14686299806	3643.228735050084	79.308945731354	79.308945731354
10	212	156150	-365091.1413	931657.3170250766	39.26684691919674	-102.0910277	323940.458130943	4368688.17211672	3336.42383072628	3373.20092829071	3641.763474800338	3641.763474800338	79.461374369193	79.461374369193
11	212	156151	-364431.1413	931657.3170250766	39.2670595385574	-102.0889577	324115.9819326122	4368684.4343234	3332.73563002579	3371.820630411629	3639.805468476053	3639.805468476053	79.2135073268544	79.2135073268544
12	212	156152	-363681.1413	931657.3170250766	39.2672641041359	-102.0862527	324342.7046719458	4368679.92354221	3326.98278985964	3370.6151273301226	3637.34071874854	3637.46650752743	79.272703545569	79.272703545569
13	212	156153	-363021.1413	931657.3170250766	39.2675924487025	-102.0839277	324543.82709725964	4368675.79891566	3324.814295875966	3370.3407304704	3635.05451081947	3635.186832738262	79.2135073268544	79.2135073268544
14	212	156154	-362361.1413	931657.3170250766	39.2678043425655	-102.0815927	324744.9492594078	4368671.65161242	3321.347717963057	3370.16127622843	3632.7644661496615	3632.98270236085	79.3715547318161	79.3715547318161
15	212	156155	-361701.1413	931657.3170250766	39.26808077847973	-102.0792577	324946.0711587775	4368667.57758547	3309.540081671935	3370.827163648263	3630.625493920476	3630.625493920476	79.2135073268544	79.2135073268544
16	212	156156	-361041.1413	931657.3170250766	39.268334	-102.0772227	325147.19279499978	4368663.4281077	3310.402927867248	3370.53073295193	3628.50044267905	3628.50044267905	79.25883166612787	79.25883166612787
17	212	156157	-360381.1413	931657.3170250766	39.26858711868404	-102.0750727	325349.4328038764	4368658.14981676	3305.147526001321	3370.209393211508	3626.389147787827	3626.389147787827	79.2135073268544	79.2135073268544
18	212	156158	-359721.1413	931657.3170250766	39.26884274063405	-102.0729227	325549.4328038764	4368658.14981676	3305.147526001321	3370.209393211508	3626.389147787827	3626.389147787827	79.2135073268544	79.213507326

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogKrg.ft	BRIEVEBothKrg.ft	SatHtBoth.ft	SatHtBoth.ft
101	212	156241	-304941.1413	931657.3170250766	39.42876805469135	-101.8784422	25224.59365243386	4388313.67521737	3737.313606745584516	3689.61802585116	3449.852979019663	3465.4951934960573	193.96310353645274	124.32016902605854
102	212	156242	-304281.1413	931657.3170250766	39.42876887574008	-101.8786107	25242.693733001462	4388309.5693863816	3715.999475771335	3588.054672875919	3448.48241423499	3463.3536418438704	193.96310353645274	124.32016902605854
103	212	156243	-303621.1413	931657.3170250766	39.42880696295991	-101.8787272	25263.79889769615	4388294.343006363	3719.141519	3586.29826	3447.86899189119	3462.29826127296	193.96310353645274	124.32016902605854
104	212	156244	-302961.1413	931657.3170250766	39.42883038	-101.8787468	25284.892217330016	4388301.35825855	3715.97183491447	3588.049136657548	3448.211344953144	3463.3536418438704	193.96310353645274	124.32016902605854
105	212	156245	-302301.1413	931657.3170250766	39.42885106592207	-101.8691017	25305.99129245848	4388297.25311121	3713.04473233344	3582.86851203329	3449.2969266836597	3462.031879	193.96310353645274	124.32016902605854
106	212	156246	-301641.1413	931657.3170250766	39.42887170577233	-101.866766	25327.0901233802	4388293.418104665	3711.38119119741	3580.8694113353074	3450.612871	3457.787155592671	193.96310353645274	124.32016902605854
107	212	156247	-300981.1413	931657.3170250766	39.4288923051731	-101.8644314	25348.1887102687	4388289.04396611	3708.4952925295	3579.405926707067	3452.031879	3457.787155592671	193.96310353645274	124.32016902605854
108	212	156248	-300321.1413	931657.3170250766	39.42891126015698	-101.8620963	25369.2870533297	4388284.23969534	3705.67091495963	3577.2002315997634	3451.93510551707	3455.4247104805624	193.96310353645274	124.32016902605854
109	212	156249	-299661.1413	931657.3170250766	39.42893136	-101.859718	25389.3851527697	4388280.343006363	3709.84207935992	3575.348873993167	3454.212432047512	3452.871384122066	193.96310353645274	124.32016902605854
110	212	156250	-299001.1413	931657.3170250766	39.42895381412023	-101.857426	25405.48100875344	4388276.730125702	3700.01422591407	3573.49545	3454.4711891511897	3451.1840507141	193.96310353645274	124.32016902605854
111	212	156251	-298341.1413	931657.3170250766	39.42897422844373	-101.8550909	254252.8060216807	4388272.62148391	3677.48807607673	3571.6135484099464	3452.136485538287	193.96310353645274	124.32016902605854	119.14078689871189
112	212	156252	-297681.1413	931657.3170250766	39.42899459617556	-101.8527558	254453.677991419	4388268.52273917	3695.2641519013052	3569.729053299976	3452.879043976426	3451.890613357906	193.96310353645274	119.14078689871189
113	212	156253	-297021.1413	931657.3170250766	39.42901492177428	-101.8504206	254654.7751184316	4388264.418156435	3693.040162923973	3567.839918578525	3451.6882914307785	3456.325290389784	193.96310353645274	119.14078689871189
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115	212	156255	-295701.1413	931657.3170250766	39.42905543485267	-101.8457053	255056.9688448858	4388256.21359114	3688.102318698487	3564.05885191286	3447.822406025936	3458.305793	193.96310353645274	119.14078689871189
116	212	156256	-295041.1413	931657.3170250766	39.42907562347842	-101.8434152	255259.0634047345	4388252.10936238	3687.89849995702	3562.005342113683	3445.7126195732353	3457.8619	193.96310353645274	119.14078689871189
117	212	156257	-294381.1413	931657.3170250766	39.42909676717845	-101.84108	255459.1613025758	4388248.00662785	3686.69481225896	3560.156889641894	3442.914975238047	3456.978265424014	193.96310353645274	119.14078689871189
118	212	156258	-293721.1413	931657.3170250766	39.42911586576293	-101.8387449	255699.2512786878	4388243.400490282	3685.49062491013	3558.217526105722	3440.989191236374	3454.9821758472015	193.96310353645274	119.14078689871189
119	212	156259	-293061.1413	931657.3170250766	39.4291391924155	-101.8364097	255861.3259823293	4388239.80177261	3682.615986625313	3556.272790817602	3438.1757373425476	3451.969858565644	193.96310353645274	119.14078689871189
120	212	156260	-292401.1413	931657.3170250766	39.42915592761447	-101.8340746	256062.4483261393	4388235.699569109	3678.07059739287	3564.22967660908	3437.154403302999	3446.82312342333	193.96310353645274	119.14078689871189
121	212	156261	-291741.1413	931657.3170250766	39.42917594	-101.8317394	256263.5431844658	4388231.49774963	3674.5243130813432	3562.36269891673	3435.30907944907	3447.00399480460	193.96310353645274	119.14078689871189
122	212	156262	-291081.1413	931657.3170250766	39.42919580504273	-101.8294043	256464.6384551414	4388227.49675494	3668.972188173975	3560.38207052906	3432.878743513393	3444.706473758643	193.96310353645274	119.14078689871189
123	212	156263	-290421.1413	931657.3170250766	39.429213987304116	-101.827071	256782.2369789512	4388219.003904044	3668.5233397772748	3558.519342190242	3430.753784158024	3447.00399480460	193.96310353645274	119.14078689871189
124	212	156264	-289761.1413	931657.3170250766	39.429235510044734	-101.824734	256986.824596485	4388219.23036071	3663.491559089418	3556.409840103654	3427.080762178375	3437.776230401024	193.96310353645274	119.14078689871189
125	212	156265	-289101.1413	931657.3170250766	39.42925552928904	-101.8223888	257067.92187916258	4388219.107178003	3661.349108660824	3544.4110689708	3423.225315130928	3437.003913255776	193.96310353645274	119.14078689871189
126	212	156266	-288441.1413	931657.3170250766	39.42927503628254	-101.8200637	257269.01596851853	4388219.091378925	3659.20665446746	3542.40278811991	3419.069987	3427.06450139097	193.96310353645274	119.14078689871189
127	212	156267	-287781.1413	931657.3170250766	39.4292947235964	-101.8177285	257470.1096175949	4388206.90397825	3657.613010780317	3540.43667545835	3419.018547488004	3420.810281803969	193.96310353645274	119.14078689871189
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129	212	156269	-286461.1413	931657.3170250766	39.429333937304116	-101.813072	257872.2369789512	4388198.789193004	3656.5233397772748	3536.519342190242	3407.543715	3409.753784158024	193.96310353645274	119.14078689871189
130	212	156270	-285801.1413	931657.3170250766	39.42935355179941	-101.810723	258073.942981919	4388194.6898335	3548.51842010377	3534.51842010377	3402.3418208971	3407.5437158024	193.96310353645274	119.14078689871189
131	212	156271	-285141.1413	931657.3170250766	39.42937304272395	-101.8083879	258274.48222063173	4388190.50020283	3653.860493458326	3532.6540832639303	3383.7423041951673	3407.5437158024	193.96310353645274	119.14078689871189
132	212	156272	-284481.1413	931657.3170250766	39.42939350982457	-101.8060527	258475.4727336786	4388186.40938344	3653.67028557153	3530.730515804806	3387.95648797426	3406.559033052631	193.96310353645274	119.14078689871189
133	212	156273	-283821.1413	931657.3170250766	39.42941193181888	-101.8037175	258676.6607807896	4388182.39054005	3653.479517079193	3528.8103627994583	3383.6681703849245	3387.890618005072	193.96310353645274	119.14078689871189
134	212	156274	-283161.1413	931657.3170250766	39.4294313070691	-101.8013824	258877.7591635718	4388178.191730765	3653.28921698190216	3526.89168190216	3376.5949080634075	3383.261773	193.96310353645274	119.14078689871189
135	212	156275	-282501.1413	931657.3170250766	39.429450640488004	-101.7990472	259078.85100107122	4388174.19274115	3654.2402719584416	3524.975051	3370.0152048351444	3397.1471231327867	193.96310353645274	119.14078689871189
136	212	156276	-281841.1413	931657.3170250766	39.42946991799941	-101.796712	259279.942981919	4388170.003904044	3654.2402719584416	3524.975051	3370.0152048351444	3397.1471231327867	193.96310353645274	119.14078689871189
137	212	156277	-281181.1413	931657.3170250766	39.42948917	-101.7943769	259481.0339626045	4388165.95	3655.425557373033	3521.943961307383	3371.07072034677	3411.466028174225	193.96310353645274	119.14078689871189
138	212	156278	-280521.1413	931657.3170250766	39.42950835195254	-101.7920417	259682.1250859792	4388161.89903625	3650.618209837605	3519.2364569748806	3371.466994	3412.2150905255636	193.96310353645274	119.14078689871189
139	212	156279	-279861.1413	931657.3170250766	39.42952751652104	-101.7897065	259883.2159743674	4388157.78173258	3652.9318987867623	3517.31232118027	3370.61680305675	3413.0341819264382	193.96310353645274	119.14078689871189
140	212	156280	-279201.1413	931657.3170250766	39.42954662280036	-101.7873713	260084.30662165303	4388153.70294545	3665.3841118219	3515.4212985079	3368.1474727808118	3411.0679791929442	193.96310353645274	119.14078689871189
141	212	156281	-278541.1413	931657.3170250766	39.42956568	-101.7850362	260285.3973033073	4388149.71221918	3668.4295534611279	3513.5386999749635	3367.28233752363	3410.82697746673	193.96310353645274	119.14078689871189
142	212	156282	-277881.1413	931657.3170250766	39.42958469997978	-101.782701	260486.4872091758	4388145.505	3671.175518961344	3511.65189123221	3365.1968811273705	3406.73549433628	193.96310353645274	119.14078689871189
143	212	156283	-277221.1413	931657.3170250766	39.4296037304116	-101.780376	260687.5771478629	4388141.309571252	3674.8298161584178	3509.8298161584178	3363.429232141467	3406.73549433628	193.96310353645274	119.14078689871189
144	212	156284	-276561.1413	931657.3170250766	39.42962256732365	-101.7780106	260888.6685018918	4388137.31059578	3671.175518961344</					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
217	212	56367	-221781.1413	931657.3170250766	39.43103619483085	-101.5842068	277578.30488406543	3677797.966	3565.022062865799	338.451760728906	3262.197902462482	3262.251896638457	326.25385266242378	126.19857106506015
228	212	56368	-221121.1413	931657.3170250766	39.43105133154509	-101.5818715	277779.3791	367779.886	3564.809447867695	3386.300684421947	3259.325601952526	3258.803977268267	327.605084516861	126.12670917392597
229	212	56369	-220661.1413	931657.3170250766	39.43106642217786	-101.5786362	277860.4486142684	367780.052529	3565.599281962613	3379.592671821096	3254.612274521539	3254.143516154549	328.143516154549	126.18861850574404
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231	212	56371	-219141.1413	931657.3170250766	39.431096417114394	-101.5748657	278382.58948348276	367787.616882024	3563.2040244742973	3382.302829	3249.896008876961	3246.985361732218	332.40081888185906	130.4372672660212
232	212	56372	-218481.1413	931657.3170250766	39.4311114274818	-101.5725304	278583.6918600943	367788.99127	3563.045734579325	3380.3731796476	3246.497403212766	3242.7187919311	334.239908557306	133.81052070516543
233	212	56373	-217821.1413	931657.3170250766	39.431263381302	-101.5701951	278784.7286014518	367793.05066549	3558.809144713308	3379.16138142667	3243.17547064766	3238.7288037116084	335.9861367495093	140.4328164264683
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235	212	56375	-216501.1413	931657.3170250766	39.4311650726354	-101.5658526	279186.866896915	367805.33070539	3555.54541108915	3375.978169488514	3236.934028186524	3231.18986136528	339.07495227245862	143.1419850641195
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240	212	56380	-213201.1413	931657.3170250766	39.431229453094976	-101.5538482	280192.20897117036	367794.184184925	3545.075696371466	3367.015096720383	3227.213928094796	3220.398608770843	340.596807673042	157.1844296431731
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242	212	56382	-211881.1413	931657.3170250766	39.4312585042038	-101.5491776	280594.3442485923	367796.79001787	3532.801269145907	3364.8901087679145	3224.285723307158	3202.519450376708	340.743854076538	161.976384000064
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271	212	56411	-192741.1413	931657.3170250766	39.43165953756084	-101.481454	286425.2096	367796.6147962274	34					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	Wt.Lb.	BRLEvLogsKgf.	BRLEvBothKgf.	SatThKgs.f	SatThBoth.f
332	212	156493	-138621.1413	931657.3170250766	39.43258817897071	-101.2899559	002911.54423712293	4367285.529581484	3360.468571874654	19.9346151963665	3081.3138657165932	3085.564603	11.612282647077199	114.3815439369542
334	212	156494	-137961.1413	931657.3170250766	39.43259763172426	-101.2874205	003112.5888	4367281.471698693	3358.500891085592	19.9346151963665	3085.8653091551546	3085.9312320964787	112.8892191228947	115.59719615571
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338	212	156498	-135321.1413	931657.3170250766	39.4326349161577	-101.278279	003916.7653534776	4367265.7393718	3345.57541683997	19.9346151963665	3077.305584662047	3072.305584662047	119.409565268106	121.86173943626106
339	212	156499	-134661.1413	931657.3170250766	39.43264421880749	-101.2759437	004117.808998912	4367261.205008482	3341.9018226696928	19.932818482596928	3072.0278851500725	3074.6864591630465	120.85406310662026	123.12518644703075
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346	212	156506	-130041.1413	931657.3170250766	39.43270754999916	-101.259996	005525.1091559293	4367232.84027191	3317.624525214254	19.9346151963665	3072.576107287452	3070.565665679375	111.6875177381742	113.7679363680997
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361	212	156521	-120141.1413	931657.3170250766	39.43283607290486	-101.2245653	008540.7219024686	4367172.0624686	3298.63367909002	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
362	212	156522	-119481.1413	931657.3170250766	39.43284399314114	-101.222267	008741.760148954	4367168.10418946	3298.08369235072	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
363	212	156523	-118821.1413	931657.3170250766	39.43285213762863	-101.219845	008942.79467371	4367163.996176386	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
364	212	156524	-118161.1413	931657.3170250766	39.43286203703204	-101.2175591	009143.83783488934	4367159.948	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
365	212	156525	-117501.1413	931657.3170250766	39.43286829	-101.2152238	009344.8770950659	4367155.90076411	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
366	212	156526	-116841.1413	931657.3170250766	39.43287630041367	-101.2128884	009549.9156236039	4367151.83536039	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
367	212	156527	-116181.1413	931657.3170250766	39.43288444444593	-101.210583	009749.9583759597	4367147.806170012	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
368	212	156528	-115521.1413	931657.3170250766	39.432892163372445	-101.208176	009947.291363577	4367143.759180105	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
369	212	156529	-114861.1413	931657.3170250766	39.43290056718239	-101.2058822	010149.031110606	4367139.712	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
370	212	156530	-114201.1413	931657.3170250766	39.4329078587939	-101.2035468	010350.0678999045	4367135.65651268	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
371	212	156531	-113541.1413	931657.3170250766	39.4329156646338	-101.2012114	010551.1055	4367131.619	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
372	212	156532	-112881.1413	931657.3170250766	39.43292340793437	-101.198876	010752.142026086	4367127.57268243	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
373	212	156533	-112221.1413	931657.3170250766	39.43293110129237	-101.1965406	010953.101533828	4367123.5071012	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
374	212	156534	-111561.1413	931657.3170250766	39.4329387495373	-101.194255	011154.271006795	4367119.481539713	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
375	212	156535	-110901.1413	931657.3170250766	39.4329463804898	-101.191932	011356.2596442205	4367115.481539713	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562457518	110.3814028645738	112.0283112855377
376	212	156536	-110241.1413	931657.3170250766	39.43295391068809	-101.189534	011556.2904715634	4367111.30206908	3298.7681127776384	19.937629828286	3067.248365418322	3065.546562		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatHtKlog.ft	SatHtBothKrg.ft
47	212	156619	-55461.14133	931657.3170250766	-99.33432396882166	-00.9959564	328241.711994935	436676.7338774596	310.263195	2994.355556368122	2927.181502679629	2927.304301	67.17450637049287	67.05125489005195
480	212	156620	-54801.14133	931657.3170250766	-99.33432729306069	-00.993636	328442.733818089	436677.210530917	312.563579364004	2993.042424017594	2925.555331193126	2926.0909634184475	67.46808084533242	67.01425862331189
481	212	156621	-54161.14133	931657.3170250766	-99.33432584572584	-00.9814025	328643.7556540284	436678.2623874725	3124.963838683535	2991.680246820764	2924.049664576831	2924.7291724806518	67.67461142232299	66.961341
482	212	156622	-53431.14133	931657.3170250766	-99.3343513097668	-00.9886891	328844.755712299465	436679.3542935372	3122.1643840690726	2990.3542935372	2922.676904963743	2922.19914745035676	67.78734048	66.8511574478443
483	212	156623	-52821.14133	931657.3170250766	-99.3343876411367	-00.9863537	329045.7985252155	436676.7212575643	3118.825341433262	2989.0163021324206	2921.6988404166204	2921.3323666340324	67.3146717580016	67.79233579179527
484	212	156624	-52161.14133	931657.3170250766	-99.3343425213645	-00.9840183	329249.8197680895	436676.199385619	3114.8469216905296	2987.67653	2920.595140732345	2920.3300441818565	67.0813895798479	67.34649800847336
485	212	156625	-51501.14133	931657.3170250766	-99.3343459	-00.9816828	329447.8408032192	436675.125659459	3110.86850938138226	2986.348191997316	2919.5961857958882	2919.7340271605963	67.3886303483432	66.6007923313529
486	212	156626	-50841.14133	931657.3170250766	-99.33439392840146	-00.9793744	329648.8617345159	436678.147589159	3110.869083931156	2984.99081305683	2918.6893245344518	2918.9982803831836	66.30165671723114	65.9927900249935
487	212	156627	-50181.14133	931657.3170250766	-99.33435285520299	-00.9770712	329849.8624767675	436678.1189187141	3108.450973011885	2983.544811681858	2918.055154327911	2918.10611168984	65.9898715394712	65.5387697891474
488	212	156628	-49521.14133	931657.3170250766	-99.33435625	-00.9754766	330050.9340221585	43667.40.09933116	3110.0511539130695	2982.2960872834	2917.529528535372	2918.70794341724	64.66552192636939	65.9252836963939
489	212	156629	-48861.14133	931657.3170250766	-99.3343561554057	-00.9732411	330251.92344823387	436676.065923447	3107.65130624771	2980.944527661913	2916.8071871082705	2917.705171923323	64.76175913255	63.2188083258381
490	212	156630	-48201.14133	931657.3170250766	-99.33436293	-00.9700057	330452.934888393	4366732.04	3094.751741	2979.5899105702647	2915.64115487397	2916.0221611108745	65.8774545939017	63.5677844539017
491	212	156631	-47541.14133	931657.3170250766	-99.3343620510387	-00.9676703	330653.9638	4366728.013883273	3090.551187190773	2978.223672550295	2915.425854375994	2915.0875164510678	63.70811377903556	63.14545038036283
492	212	156632	-46881.14133	931657.3170250766	-99.33436943214615	-00.9653349	330854.98367251586	436673.781330995	3085.052234730152	2976.73687868594	2913.645833557349	2913.9124484920364	63.2278541124521	62.9522029428969
493	212	156633	-46221.14133	931657.3170250766	-99.33437614211178	-00.9629994	331056.0034382122	4366719.962588445	3079.551896258445	2975.5115890562273	2912.9459267095183	2912.0529335570925	62.5479447862688	62.7917944862688
494	212	156634	-45561.14133	931657.3170250766	-99.3343751510039	-00.960664	331257.023026905	4366715.93724674	3074.05314180912	2974.146102112487	2910.95710211487	2912.30268416162	63.1888950703335	61.84342189612062
495	212	156635	-44901.14133	931657.3170250766	-99.33437884926115	-00.9583286	331458.024119021	436671.912108786	3070.275949016834	2972.775656	2909.902971984172	2911.5262905798472	62.8796138358901	61.25029831774925
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497	212	156637	-43581.14133	931657.3170250766	-99.33438401056786	-00.9536577	331860.8007622686	436673.862442337	3066.166273648074	2970.022350759925	2908.65011926669	2908.22822551567	61.372234323563	60.6541225044671
498	212	156638	-42921.14133	931657.3170250766	-99.33438747482965	-00.9513223	332061.0966874044	436669.9371901	3064.1143547128	2968.63540405165	2907.7294912546536	2908.7098379113003	60.6093319641161	59.92680173796487
499	212	156639	-42261.14133	931657.3170250766	-99.3343897879505	-00.9498969	332262.1184949524	436665.817947575	3063.0613234992716	2967.24060403555	2906.478208083325	2908.0638367020056	60.76266514103054	59.77189930234994
500	212	156640	-41601.14133	931657.3170250766	-99.3343952493006	-00.9466514	332463.1730487895	436667.913947597	3061.0315939687104	2965.836282	2904.8343108579817	2907.399384171528	61.0191158472474	58.43644736258172
501	212	156641	-40941.14133	931657.3170250766	-99.33439149347078	-00.9439564	332672.3807050072	436667.54373	3059.454601781407	2964.736396916773	2903.954951672104	2903.784557896816	61.5564374605493	57.9168708908661
502	212	156642	-40281.14133	931657.3170250766	-99.3343922204813	-00.9419608	332865.1738574329	436663.741846493	3062.925163077221	2962.93632503824	2901.21261587513	2904.99836514367	61.1701662513007	57.9494928945648
503	212	156643	-39621.14133	931657.3170250766	-99.33439185920375	-00.9396451	333066.1796772296	436667.976606017	3061.553428775256	2959.984239670787	2902.14007606586	2906.156918046939	59.41336111467035	57.9494928945648
504	212	156644	-38961.14133	931657.3170250766	-99.334350464	-00.9373097	333267.2095157706	436667.695034278	3060.396228519035	2960.092575807047	2986.48567746319	2989.84943862449	61.6159812318596	60.60983627455586
505	212	156645	-38301.14133	931657.3170250766	-99.33435077927268	-00.9349743	333468.22717011855	436667.1187933272	3058.632731888634	2958.63037653037	2986.6632231888634	2985.11931442731	61.9671533412731	63.51892673876398
506	212	156646	-37641.14133	931657.3170250766	-99.33435098747859	-00.9326389	333669.245327849	436667.449036859	3078.05457254984	2957.143636060305	2984.47320126632	2986.13640602374	62.668045933673056	67.0099004
507	212	156647	-36981.14133	931657.3170250766	-99.3343512451768	-00.9303364	333870.262107072	436667.626345862	3078.513591462858	2954.736396916773	2983.784557896816	2984.95179712104	62.678070879676	61.968898908661
508	212	156648	-36321.14133	931657.3170250766	-99.334351493047078	-00.9280194	334074.2028066691	436659.6038417	3078.102457581093	2954.736396916773	2983.784557896816	2984.95179712104	62.678070879676	61.968898908661
509	212	156649	-35661.14133	931657.3170250766	-99.33435173906403	-00.9256328	334272.2972253953	436665.58156344	3076.91327350313	2952.601515394843	2987.1089746568614	2987.95424917155	62.49254073798147	62.678070879676
510	212	156650	-35001.14133	931657.3170250766	-99.334351980567635	-00.9232591	334473.314202913	436665.155496165	3075.280189937628	2951.055678760638	2985.0216346609783	2987.1549196117476	60.04040099783	78.90079515
511	212	156651	-34341.14133	931657.3170250766	-99.334352217564018	-00.9209617	334673.330194279	436667.53076037	3075.920342619849	2949.49551217671	2983.110701085815	2987.094909587719	60.3834206758939	60.75234055663812
512	212	156652	-33681.14133	931657.3170250766	-99.33435250404684	-00.9186263	334875.347651448	436664.519307748	3078.0181782	2947.217450505363	2982.079003	2987.094909587719	60.3834206758939	60.75234055663812
513	212	156653	-33021.14133	931657.3170250766	-99.334352678016279	-00.9162908	335068.243741702697	436659.49461498	3078.0230299277105	2946.3551131849718	2982.45244022688	2984.759097396724	61.95909796754	67.0099004
514	212	156654	-32361.14133	931657.3170250766	-99.33435291472684	-00.9139564	335277.3807050072	436667.54373	3078.05457254984	2954.736396916773	2983.784557896816	2984.95179712104	62.678070879676	61.968898908661
515	212	156655	-31701.14133	931657.3170250766	-99.33435312042871	-00.911162	335478.3965766055	436663.45129895	3088.946142869587	2943.1262408535165	2983.02093	2987.374050406173	60.10565511005414	67.0099004
516	212	156656	-31041.14133	931657.3170250766	-99.334353348640395	-00.9092246	335679.412694140	436667.431269447	3077.1576791674	2941.504527456374	2982.617338962084	2986.7636295986185	62.8880896	62.84180056257895
517	212	156657	-30381.14133	931657.3170250766	-99.33435354879793	-00.9069491	335880.4285488486	436667.105612643	3088.369153435883	2939.870534691787	2985.974094190464	2987.094909587719	60.3834206758939	60.75234055663812
518	212	156658	-29721.14133	931657.3170250766	-99.334353750204127	-00.9046137	336081.4442419093	436661.90159426	3089.58077874574	2938.271446090686	2983.867163989376	2984.759097396724	61.95909796754	67.0099004
519	212	156659	-29061.14133	931657.3170250766	-99.33435391107402	-00.9022783	336282.4597807023	436657.369099974	3088.342845637875	2936.592236058378	2985.079122508397	2986.7636295986185	62.8880896	62.84180056257895
520	212	156660	-28401.14133	931657.3170250766	-99.33435414956736	-00.8999428	336483.4751759855	436661.349693732	3087.6555739203104	2934.3406512104027	2985.039841	2986.7636295986185	62.8880896	62.84180056257895
521	212	156661	-27741.14133	931657.3170250766	-99.33435438279168	-00.8976686	336684.4924767478	436661.349693732	3087.6555739203104	2934.3406512104027	2985.039841	2986.7636295986185	62.8880896	62.84180056257895
522	212	156662	-27081.14133	931657.3170250766	-99.33435457647722	-00.8952772	336885.504360546	436660.31302484	3087.6555739203104	2934.3406512104027	2985.039841	2986.7636295986185	62.8880896	62.84180056257895
523	212	156663	-26421.14133	931657.3170250766	-99.33435470604507	-00.8929365	337086.5203340986	436659.29046						

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatThLoKgs.f	SatThBoth.f
59	212	156745	7768.8586730335	91.65157170250766	-0.43354351517558	-0.7017431	3599.622242729436	43662.70389101528	2782.0049057298413	2778.009684059985	2709.8096449778383	57.02581345126646	75.2258525312491
606	212	156746	7678.8586730335	91.65157170250766	-0.43354159920555	-0.6994966	3537.7024884949	43662.66365307	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
607	212	156747	7691.8586730335	91.65157170250766	-0.43353964934036	-0.6967922	3537.7024884949	43662.66365307	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
608	212	156748	2967.8586730335	91.65157170250766	-0.433537632110384	-0.6944227	3537.7024884949	43662.66365307	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
609	212	156749	3038.8586730335	91.65157170250766	-0.43353586084827	-0.6928093	3543.73124099411	43662.65430301245	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
610	212	156750	3099.8586730335	91.65157170250766	-0.4335334448097	-0.6897539	3545.7423303392	43662.50.378	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
611	212	156751	3168.8586730335	91.65157170250766	-0.43353124399949	-0.6874814	3547.7523056366	43662.46.37671918	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
612	212	156752	3213.8586730335	91.65157170250766	-0.433529156403814	-0.685803	3549.7623690718	43662.42.3563234	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
613	212	156753	3278.8586730335	91.65157170250766	-0.43352697469388	-0.6842746	3551.772381671438	43662.38.374214065	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
614	212	156754	3328.8586730335	91.65157170250766	-0.4335244786399	-0.6826121	3553.78239474469	43662.34.37325656	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
615	212	156755	3429.8586730335	91.65157170250766	-0.4335222593182	-0.6807677	3555.792406676284	43662.30.372520044	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
616	212	156756	3498.8586730335	91.65157170250766	-0.4335196	-0.6787413	3557.8024127121309	43662.26.371977096	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
617	212	156757	3561.8586730335	91.65157170250766	-0.43351754671303	-0.6773458	3559.812426357044	43662.22.37136827	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
618	212	156758	3627.8586730335	91.65157170250766	-0.4335150	-0.6761074	3561.822431115245	43662.18.371494835	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
619	212	156759	3693.8586730335	91.65157170250766	-0.4335129	-0.6748735	3563.8440747215	43662.14.371564757	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
620	212	156760	3759.8586730335	91.65157170250766	-0.4335109252871	-0.6736636	3565.842445456557	43662.10.371832746	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
621	212	156761	3829.8586730335	91.65157170250766	-0.4335074469056	-0.6724041	3567.852449051858	43662.06.37203434	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
622	212	156762	3891.8586730335	91.65157170250766	-0.4335049016847	-0.6712787	3569.862512649013	43662.02.372768135	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
623	212	156763	3957.8586730335	91.65157170250766	-0.433502126317115	-0.6705933	3571.872452	43661.98.37382578	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
624	212	156764	4023.8586730335	91.65157170250766	-0.433499308351714	-0.6705785	3573.882451552701	43661.94.37382578	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
625	212	156765	4098.8586730335	91.65157170250766	-0.4334965227218	-0.6704224	3575.89246615906	43661.90.37321022	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
626	212	156766	4158.8586730335	91.65157170250766	-0.4334937078508	-0.6702387	3577.9024463454	43661.86.3737603	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
627	212	156767	4218.8586730335	91.65157170250766	-0.4334909138719	-0.670051	3579.9124681907	43661.82.37382578	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
628	212	156768	4278.8586730335	91.65157170250766	-0.43348803548894	-0.6700711	3581.92243525995	43661.78.37373146	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
629	212	156769	4358.8586730335	91.65157170250766	-0.43348508181293	-0.6700387	3583.93242227931	43661.74.37382578	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
630	212	156770	4419.8586730335	91.65157170250766	-0.43348208	-0.6700453	3585.94240521161	43661.70.3856574	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
631	212	156771	4485.8586730335	91.65157170250766	-0.43347903939725	-0.6700798	3587.9524103226187	43661.66.38154662	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
632	212	156772	4551.8586730335	91.65157170250766	-0.43347590519025	-0.6700374	3589.9623882678	43661.62.390854784	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
633	212	156773	4618.8586730335	91.65157170250766	-0.43347281652674	-0.6700189	3591.9724681907	43661.58.38375204	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
634	212	156774	4683.8586730335	91.65157170250766	-0.4334696972758677	-0.6700376	3593.9824681907	43661.54.38375204	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
635	212	156775	4749.8586730335	91.65157170250766	-0.43346641319994	-0.6700381	3595.9924681907	43661.50.40017689	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
636	212	156776	4815.8586730335	91.65157170250766	-0.43346314386547	-0.6700237	3598.0023962635	43661.46.404	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
637	212	156777	4881.8586730335	91.65157170250766	-0.43345982941697	-0.6700263	3600.0123099536	43661.42.40739263	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
638	212	156778	4947.8586730335	91.65157170250766	-0.43345664985406	-0.6700243	3602.02133712879	43661.38.41130714	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
639	212	156779	5013.8586730335	91.65157170250766	-0.43345306517781	-0.6700224	3604.030228040131	43661.34.415	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
640	212	156780	5079.8586730335	91.65157170250766	-0.43344991538719	-0.6700191	3606.04225808107	43661.30.41174658	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
641	212	156781	5145.8586730335	91.65157170250766	-0.43344681508524	-0.6700156	3608.0524299256	43661.26.424268921	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
642	212	156782	5211.8586730335	91.65157170250766	-0.43344258	-0.670015022	3610.06220430361	43661.22.4289401	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
643	212	156783	5277.8586730335	91.65157170250766	-0.4334398933122	-0.670012847	3612.072183092236	43661.18.433282186	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
644	212	156784	5343.8586730335	91.65157170250766	-0.4334363506457	-0.670013493	3614.082154169105	43661.14.43905251	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
645	212	156785	5409.8586730335	91.65157170250766	-0.4334331360	-0.670008139	3616.0921268736	43661.10.44438544	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
646	212	156786	5475.8586730335	91.65157170250766	-0.4334297692459	-0.6700578	3618.1021209063204	43661.06.44962976	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
647	212	156787	5541.8586730335	91.65157170250766	-0.43342639742036	-0.67001076	3620.21231386317	43661.02.4609814	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
648	212	156788	5607.8586730335	91.65157170250766	-0.43342302359606	-0.67001076	3622.21231386317	43661.02.4609814	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
649	212	156789	5673.8586730335	91.65157170250766	-0.4334164	-0.6700872	3624.211997056535	43661.04.471452	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
650	212	156790	5739.8586730335	91.65157170250766	-0.4334126321098	-0.6700363	3626.21410740227	43661.00.4706838	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
651	212	156791	5805.8586730335	91.65157170250766	-0.43340980166516	-0.67004013	3628.219244256	43661.00.481	2783.2699926259344	2783.20359763514	2773.6569730929021	67.5478232349348	69.5478148685576
652	212	156792	5871.8586730335	91.65157170250766	-0.433406980080	-0.6							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
71	212	156871	11058.85687307335	931657.3170250766	34.3294683822294	-100.4071698	778894.48646019143	4365767.66	2756.756971512286	253.4077285624867	2524.5072017524362	2524.5024974990861	849008801005045	48.904780571625906
72	212	156872	111518.85687307335	931657.3170250766	34.32939273891174	-100.404832	779096.4773047494	4365763.62452897	2756.49356366639	2522.5433616718407	2522.3634965212045	2522.367936321504	48.8991306868117	48.9002693785
73	212	156873	112178.85687307335	931657.3170250766	34.3293159262335	-100.398845	780602.4783124357	4365763.62452897	2756.49356366639	2522.5433616718407	2522.3634965212045	2522.367936321504	48.8991306868117	48.9002693785
74	212	156874	112738.85687307335	931657.3170250766	34.3292390215854	-100.400142	779497.4449244917	436575.728888177	2754.9636681387	2569.929778	2519.329323032443	2519.1654473346594	50.6004573034462	50.764310344602
75	212	156875	113408.85687307335	931657.3170250766	34.3291616657768	-100.397827	779608.4306528848	436575.728888177	2753.757650779378	2568.76519208998	2517.4046558461428	2517.2183350449654	51.35596326855416	51.54278416402373
76	212	156876	114158.85687307335	931657.3170250766	34.3290383583383	-100.3954196	779894.9165628694	436574.776	2751.0768171903	2567.5846674414113	2514.893777677496	2514.6486665153	52.669236913533	52.96178076
77	212	156877	114818.85687307335	931657.3170250766	34.328906007698	-100.3931562	38010.00253424866	436574.80003508	2748.56855556014	2566.407772759397	2512.3574894334165	2512.3574894334165	54.0502833425321	54.4662511456275
78	212	156878	115478.85687307335	931657.3170250766	34.328826991717	-100.3908208	38031.38793515315	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	55.14748344151	55.2740086579282
79	212	156879	116138.85687307335	931657.3170250766	34.3287473124357	-100.388458	380602.370416713	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	56.1894965569718	56.4894965569718
80	212	156880	116798.85687307335	931657.3170250766	34.328678157868	-100.38615	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	57.3265675161585	57.6265675161585
1	213	156881	117398.85687307335	931657.3170250766	34.328609210284	-100.383815	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	58.4692757656749	58.7692757656749
2	213	156882	117928.85687307335	931657.3170250766	34.3285393420026	-100.38152	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	59.6492757656749	59.9492757656749
3	213	156883	118478.85687307335	931657.3170250766	34.3284694211	-100.37923	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	60.8292757656749	61.1292757656749
4	213	156884	119028.85687307335	931657.3170250766	34.3283995672557	-100.37694	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	62.0092757656749	62.3092757656749
5	213	156885	119578.85687307335	931657.3170250766	34.32832967196	-100.37465	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	63.1892757656749	63.4892757656749
6	213	156886	120128.85687307335	931657.3170250766	34.328259781073	-100.37236	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	64.3692757656749	64.6692757656749
7	213	156887	120678.85687307335	931657.3170250766	34.32818989124867	-100.37007	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	65.5492757656749	65.8492757656749
8	213	156888	121228.85687307335	931657.3170250766	34.3281199913521	-100.36778	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	66.7292757656749	67.0292757656749
9	213	156889	121778.85687307335	931657.3170250766	34.328050035616	-100.36549	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	67.9092757656749	68.2092757656749
10	213	156890	122328.85687307335	931657.3170250766	34.3279800799212	-100.36320	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	68.0892757656749	68.3892757656749
11	213	156891	122878.85687307335	931657.3170250766	34.3279101281747	-100.36091	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	69.2692757656749	69.5692757656749
12	213	156892	123428.85687307335	931657.3170250766	34.3278401963254	-100.35862	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	70.4492757656749	70.7492757656749
13	213	156893	123978.85687307335	931657.3170250766	34.32777026444	-100.35633	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	71.6292757656749	71.9292757656749
14	213	156894	124528.85687307335	931657.3170250766	34.32770033654	-100.35404	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	72.8092757656749	73.1092757656749
15	213	156895	125078.85687307335	931657.3170250766	34.32763040764	-100.35175	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	73.9892757656749	74.2892757656749
16	213	156896	125628.85687307335	931657.3170250766	34.32756047875	-100.34946	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	75.1692757656749	75.4692757656749
17	213	156897	126178.85687307335	931657.3170250766	34.32749054986	-100.34717	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	76.3492757656749	76.6492757656749
18	213	156898	126728.85687307335	931657.3170250766	34.32742062097	-100.34488	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	77.5292757656749	77.8292757656749
19	213	156899	127278.85687307335	931657.3170250766	34.32735069208	-100.34259	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	78.7092757656749	79.0092757656749
20	213	156900	127828.85687307335	931657.3170250766	34.32728076319	-100.34030	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	79.8892757656749	80.1892757656749
21	213	156901	128378.85687307335	931657.3170250766	34.32721083430	-100.33801	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	81.0692757656749	81.3692757656749
22	213	156902	128928.85687307335	931657.3170250766	34.32714090541	-100.33572	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	82.2492757656749	82.5492757656749
23	213	156903	129478.85687307335	931657.3170250766	34.32707097652	-100.33343	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	83.4292757656749	83.7292757656749
24	213	156904	130028.85687307335	931657.3170250766	34.32700104763	-100.33114	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	84.6092757656749	84.9092757656749
25	213	156905	130578.85687307335	931657.3170250766	34.32693111874	-100.32885	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	85.7892757656749	86.0892757656749
26	213	156906	131128.85687307335	931657.3170250766	34.32686118985	-100.32656	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	86.9692757656749	87.2692757656749
27	213	156907	131678.85687307335	931657.3170250766	34.32679126096	-100.32427	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	88.1492757656749	88.4492757656749
28	213	156908	132228.85687307335	931657.3170250766	34.32672133207	-100.32198	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	89.3292757656749	89.6292757656749
29	213	156909	132778.85687307335	931657.3170250766	34.32665140318	-100.31969	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	90.5092757656749	90.8092757656749
30	213	156910	133328.85687307335	931657.3170250766	34.32658147429	-100.31740	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	91.6892757656749	91.9892757656749
31	213	156911	133878.85687307335	931657.3170250766	34.32651154540	-100.31511	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	92.8692757656749	93.1692757656749
32	213	156912	134428.85687307335	931657.3170250766	34.32644161651	-100.31282	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	94.0492757656749	94.3492757656749
33	213	156913	134978.85687307335	931657.3170250766	34.32637168762	-100.31053	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655	2510.349864140655	95.2292757656749	95.5292757656749
34	213	156914	135528.85687307335	931657.3170250766	34.32630175873	-100.30824	380703.359741845	436573.9424178594	2746.0626629041	2565.224515624095	2510.349864140655			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
117	213	156997	-293481.1413	932317.3170250766	39.43090848215414	-101.8411106	255463.27243110977	436849.299038357	3693.6555980873545	3559.4665974566182	3440.9961847795966	3443.7535018148504	118.4704172486616	106.7130957320378
118	213	156998	-293721.1413	932317.3170250766	39.43052681253071	-101.8387707	255664.36813061658	436846.19621781	3557.3862289007682	3547.2845295352031	3438.0683727399953	3449.2215815940454	118.46719112104562	106.3671389265935
119	213	156999	-293961.1413	932317.3170250766	39.43094692334981	-101.8364355	255855.6536985653	436841.093721179	3568.563825512884	3555.82102994131	3439.2364227284265	3444.7876356269637	118.3897932417902	111.24647371978028
120	213	157000	-294201.1413	932317.3170250766	39.43066844125001	-101.8341003	256066.55808516162	436844.9591359432	3684.4595139145432	3553.697545726915	3434.0730561257726	3440.7389101867198	118.6236961499536	112.9574408903959
121	213	157001	-294714.1413	932317.3170250766	39.43098861	-101.8317651	256267.657801621237	436842.889231753	3679.3465024000733	3561.762593871833	3431.930648378297	3438.911590759034	118.8319209987627	112.8509786668296
122	213	157002	-295081.1413	932317.3170250766	39.43080852657928	-101.8294299	256468.74851712248	436846.787274587	3644.2364913736966	3549.81367688005	3429.422392	3432.58149439948516	111.34148493948516	111.653761659095
123	213	157003	-294201.1413	932317.3170250766	39.4310284014334	-101.8270947	256669.8340889846	436842.685542475	3669.80519264325	3547.856419264325	3426.9311921420263	3436.853627584071	112.9225221229847	111.70721916802372
124	213	157004	-289761.1413	932317.3170250766	39.43104823	-101.8247598	256870.9376214385	436840.584017225	3660.0572264590945	3545.893261133552	3423.6100789921443	3434.8331761865766	112.9621726214077	111.0595342697534
125	213	157005	-289810.1413	932317.3170250766	39.43086911560122	-101.8224243	257072.0317520569	436841.652898928	3658.298453510127	3543.827752748293	3420.571598981474	3432.9978978967444	112.85600176311982	108.9300733486929
126	213	157006	-288441.1413	932317.3170250766	39.43108715019284	-101.8200891	257273.12504718718	436842.1267188265	3558.546645059664	3541.264177336257	3415.059715939215	3427.195891945904	122.9050077763547	114.7657371765565
127	213	157007	-287781.1413	932317.3170250766	39.4310774322831	-101.8177538	257474.218580764	4368408.280682581	3555.8120277107056	3540.00714393108	3411.807672652375	3422.5393095948634	122.94971663577068	117.46573432614473
128	213	157008	-287121.1413	932317.3170250766	39.431170291356565	-101.8154186	257675.317183790054	4368404.17984712	3550.05598912427	3538.0603743591477	3407.0845866825857	3417.2312882	130.96578677089829	120.8284913438979
129	213	157009	-286461.1413	932317.3170250766	39.43114668427755	-101.8130834	257876.40492736676	4368407.0493671	3532.379175454283	3536.125218444466	3401.3754704030913	3417.3478404350478	121.35748497839728	117.35428467839728
130	213	157010	-285801.1413	932317.3170250766	39.4311662509123	-101.8107482	258077.49747022774	4368407.95209452	3530.662175999593	3534.200487659833	3391.18107517032414	3409.75451730682495	114.01941195641166	124.44617005158323
131	213	157011	-285141.1413	932317.3170250766	39.43118654797596	-101.808413	258278.5993	4368391.93132044	3548.5496252667684	3534.2830730672063	3397.77677065893	3412.33832862596	115.9447602146104	125.97446702146104
132	213	157012	-284481.1413	932317.3170250766	39.43120523	-101.8060777	258479.6283574732	4368387.779026142	3549.03954314936	3530.390978160514	3394.2082495148575	3417.3786140951107	127.3461469361102	127.3461469361102
133	213	157013	-283821.1413	932317.3170250766	39.4312246548803	-101.8037425	258680.7747148675	4368383.68	3548.524594347008	3528.458642729628	3390.328452406992	3396.3932991167563	161.319099	159.0934146276983
134	213	157014	-283161.1413	932317.3170250766	39.43124403272076	-101.801473	258881.86661075518	4368379.580140626	3548.019456	3526.51018662718	3394.2323495991936	3396.0191353520397	162.3196097076437	140.4596514222903
135	213	157015	-282501.1413	932317.3170250766	39.431263544865	-101.7990721	259082.95823175664	4368375.481	3548.578178692339	3524.645818842055	3397.634275882314	3403.207673475737	157.0158125382517	121.43875148444826
136	213	157016	-281841.1413	932317.3170250766	39.4312826511769	-101.7967368	259284.04961469796	4368371.382	3550.277482786733	3522.74784821758	3399.827509	3417.915382362592	152.9157245058832	140.4596514222903
137	213	157017	-281181.1413	932317.3170250766	39.4313018977384	-101.7944016	259485.14075978418	4368367.283	3551.88315881229	3520.843377045758	3397.784732486343	3411.547255415198	150.056013392557	106.6229921922053
138	213	157018	-280521.1413	932317.3170250766	39.4313109073302	-101.7920664	259686.21667219595	4368363.184380325	3553.463464767574	3518.8484812352175	3397.9925747152596	3411.547255415198	147.9590665269514	107.4013281722264
139	213	157019	-279861.1413	932317.3170250766	39.4313202576576	-101.7897313	259887.6283574732	4368359.589231267	3555.82102994131	3517.658879129636	3397.9925747152596	3411.547255415198	147.9590665269514	107.4013281722264
140	213	157020	-279201.1413	932317.3170250766	39.4313393491779	-101.7873599	260088.4127599678	4368354.98774079	3556.161922962892	3515.17533387722	3398.531184767032	3409.462856	145.6445150416489	105.7140051152321
141	213	157021	-278541.1413	932317.3170250766	39.43137841048604	-101.7850607	260289.5026569063	4368350.88973110	3566.5841192298484	3513.297772368965	3397.971223236663	3404.848781345484	145.3266539413202	108.44809589141207
142	213	157022	-277881.1413	932317.3170250766	39.4313974274167	-101.7827254	260490.5929245893	4368346.192181665	3571.5063019528759	3511.42783273477	3396.2642749869	3403.9324046330807	145.1654112247884	107.00630030652
143	213	157023	-277221.1413	932317.3170250766	39.4314138889845	-101.7803902	260691.682648616	4368343.6943363	3574.296093638235	3509.56804382934	3394.411997814865	3405.63672223807	145.1504556806875	104.064011591301
144	213	157024	-276561.1413	932317.3170250766	39.43143532519442	-101.778065	260892.77213273113	4368338.59684243	3575.95345851777	3507.720581945083	3391.6842878018728	3412.57865753844	146.0362941278038	95.1407501786787
145	213	157025	-275901.1413	932317.3170250766	39.4314526583943	-101.7757197	261083.8613823724	4368334.979975684	3578.8768195976864	3506.026674698217	3390.026674698217	3412.57865753844	146.0362941278038	95.1407501786787
146	213	157026	-275241.1413	932317.3170250766	39.4314730485734	-101.7734815	261294.903107189	4368330.403	3584.00981177585	3504.00981177585	3394.51454084583	3412.57865753844	146.0362941278038	95.1407501786787
147	213	157027	-274581.1413	932317.3170250766	39.43149183346948	-101.7710493	261496.093173865	4368326.306	3573.55786710242	3502.267222	3397.680448359396	3412.57865753844	146.0362941278038	95.1407501786787
148	213	157028	-273921.1413	932317.3170250766	39.43151057934528	-101.768714	261697.1271612237	4368322.209451542	3577.479125	3500.483990654352	3395.148418044783	3417.755781954376	145.590726095224	52.72823245890968
149	213	157029	-273261.1413	932317.3170250766	39.43152928	-101.7663788	261898.21602299146	4368318.113095541	3578.222672810384	3500.72290349035	3395.270122711422	3405.056289377827	145.590726095224	52.72823245890968
150	213	157030	-272601.1413	932317.3170250766	39.431547935772834	-101.7640435	262099.30469497828	4368316.10496212	3555.32000616437	3496.7976911648586	3394.0729651908746	3458.812373401193	142.90402597398406	38.164612842720375
151	213	157031	-271941.1413	932317.3170250766	39.43156654624504	-101.7617083	262300.3991	4368309.92100353	3550.056289377827	3495.255091	3391.689916849598	3420.78079022965	145.5881863670183	74.5463203340434
152	213	157032	-271281.1413	932317.3170250766	39.43158511178094	-101.759373	262501.478333367	4368305.825267367	3545.60377911669	3489.53389129636	3394.0729651908746	3458.812373401193	142.90402597398406	38.164612842720375
153	213	157033	-270621.1413	932317.3170250766	39.43160362310351	-101.7570378	262702.56900741	4368301.72937214	3541.151519716905	3491.8753285402	3394.635816866361	3427.88775908194	145.5881863670183	74.5463203340434
154	213	157034	-269961.1413	932317.3170250766	39.43162210733074	-101.7547025	262903.6540337353	4368297.63415517	3536.695824052713	3490.2145983142163	3394.4862091051464	3423.88275652194	145.5881863670183	74.5463203340434
155	213	157035	-269301.1413	932317.3170250766	39.4316405374977	-101.7523673	263104.7403026714	4368293.52399462	3532.958936329484	3488.5770314075125	3394.177163944492	3423.88275652194	145.5881863670183	74.5463203340434
156	213	157036	-268641.1413	932317.3170250766	39.43165892246634	-101.750032	263305.8275572206	4368289.44390039	3529.82339638769	3486.9604807072717	3393.685060279025	3423.88275652194	145.5881863670183	74.5463203340434
157	213	157037	-267981.1413	932317.3170250766	39.43167726236302	-101.7479688	263506.9140287017	4368285.349687239	3526.90583513298	3485.36478098912	3392.7072720081624	3423.88275652194	145.5881863670183	74.5463203340434
158	213	157038	-267321.1413	932317.3170250766	39.43169555710245	-101.7456316	263708.00223447	4368281.25191055	3524.8770300912928	3483.76631268945	3390.597521	3423.88275652194	145.5881863670183	74.5463203340434
159	213	157039	-266661.1413	932317.3170250766	39.43171391149245	-101.7433101	263910.11720185	4368277.06818498	3522.84769129636	3482.44769129636	3390.597521	3423.88275652194	145.5881863670183	74.5463203340434
160	213	157040	-266001.1413	932317.3170250766	39.43173101149245	-101.740961	264110.17202185	4368273.06818498	3520.84769129636	3480.70197824104	3390.597521	3423.88275652194	145.58	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
23	175123	-21221.1413	932317.3170250766	39.43308574	-01.546869	280799.495405167	4367933.977421766	350.9309037122321	332.6444372993726	3223.198439172248	3206.927934256224	3234.2493382147805	3515.6143873750209	
244	213	175124	-210661.1413	932317.3170250766	39.4331015559626	-01.544526	281000.5623	4567929.900667163	3525.1117273334003	3360.75763272726	321.159594336239	321.1069646644444	320.709729	149.68807166283295
245	213	175125	-209891.1413	932317.3170250766	39.43314625849414	-01.542192	281201.620910671	4567925.824116598	3528.541575092254	3359.545715042528	320.018669	320.04451594200413	133.04685169000413	143.04685169000413
246	213	175126	-209241.1413	932317.3170250766	39.43312885096354	-01.5398459	281025.958566724	4367921.77773942	3502.6958457855374	3219.727376393036	320.42872376393036	320.42872376393036	138.64442713801284	151.943348531781
247	213	175127	-208681.1413	932317.3170250766	39.43314310100696	-01.5375195	281603.76178923226	4367917.615673134	3521.64272615044	3355.666238811596	321.780876	320.571807407656	137.8547784453539	149.95043217038045
248	213	175128	-207921.1413	932317.3170250766	39.43315736591927	-01.5351842	281804.8728107612	4367913.935670377	3515.686277259481	3353.96062493434	321.0751228241124	320.52679836692317	137.8843696692317	147.433264266203
249	213	175129	-207261.1413	932317.3170250766	39.43317155572041	-01.5328488	282005.8936174676	4367905.119981616	3508.7298193081005	3352.250103182088	321.6519533500414	320.70920201828071	137.7305667877947	145.1807832132705
250	213	175130	-206601.1413	932317.3170250766	39.433187	-01.5309139	282206.259505495	4367905.444444444	3503.77335868756	3345.336776414489	321.6302809075483	320.36909317853	134.49866736599977	143.1678282365977
251	213	175131	-205941.1413	932317.3170250766	39.4331979998915	-01.5286187	282408.0246972292	4367901.369148727	3501.070780355895	3348.8205326712865	321.6572576540207	320.7347114774853	133.7479876536361	141.44641114253182
252	213	175132	-205281.1413	932317.3170250766	39.43321385445569	-01.5262428	282609.0875069737	4367897.204042693	3501.8409557444443	3347.10188182693	321.3357711030585	320.7315502	132.7061107238945	139.7853740733324
253	213	175133	-204621.1413	932317.3170250766	39.43322768381296	-01.5235074	282810.1547016334	4367893.291415173	3502.20438612302	3345.38114147756	321.33967286754045	320.3553671171587	131.4441266235144	140.054324323623
254	213	175134	-203961.1413	932317.3170250766	39.4332418205974	-01.5217211	283011.2194	4367889.14446354	3502.7687111921596	3343.654781611573	321.3039783568915	320.41179965122	130.3508032595422	137.74287174645128
255	213	175135	-203301.1413	932317.3170250766	39.43325736719162	-01.5188367	283212.28395791305	4367885.009967036	3502.138261557285	3341.921307312042	321.25636271325795	320.32582001594272	130.5089858178398	137.502891467178398
256	213	175136	-202641.1413	932317.3170250766	39.43326962121395	-01.5165014	283413.34626660696	4367880.9673604	3500.313484006075	3340.1837013114767	321.1829605885447	320.406953	128.3541172293196	136.1141770077665
257	213	175137	-201981.1413	932317.3170250766	39.43328340012482	-01.5141166	283614.412621244	4367876.921596055	3498.480760732296	3338.440897432788	320.6477442091438	320.38325967887854	127.931502624443	134.75186784433295
258	213	175138	-201321.1413	932317.3170250766	39.43329733924508	-01.5118307	283815.476246665	4367872.847724382	3496.66393064557	3336.894131377393	321.154906655094	320.475683569139	126.5302247214205	132.218471008711
259	213	175139	-200661.1413	932317.3170250766	39.4331097261264	-01.5094953	284016.5399144405	4367868.774	3495.909797806885	3334.944221119435	320.052466792181	320.814294776792	124.89173352725363	130.12990734264528
260	213	175140	-200001.1413	932317.3170250766	39.4333246618935	-01.5071599	284217.6303716526	4367864.700598621	3484.21485496058	3333.1925298344504	320.155558	320.85182366149273	123.03697186812042	127.73509744543545
261	213	175141	-199341.1413	932317.3170250766	39.4333831465459	-01.5048246	284416.686616505	4367860.627344524	3496.52301380622	3331.44000812867	321.3991346532425	320.710424963731	122.007347536243	126.22558716491449
262	213	175142	-198681.1413	932317.3170250766	39.43339118008334	-01.5024892	284619.7296492101	4367856.54296268	3498.63260538099	3329.687430541397	321.727204919110763	320.7258366195687	116.96095143122088	122.15906392182842
263	213	175143	-198021.1413	932317.3170250766	39.43339547625055	-01.5001539	284820.7294996844	4367854.841453849	3496.23612191973	3327.1653159489234	321.427798634013	320.7914287273647	115.6752660677055	119.14417822155687
264	213	175144	-197361.1413	932317.3170250766	39.43337899	-01.4978185	285021.8550789851	4367848.08817257	3491.734279797993	3326.185401462745	321.515559204387	320.859381684257	110.6684258355569	116.60146281748798
265	213	175145	-196701.1413	932317.3170250766	39.43342547440025	-01.4954813	285233.96384648	4367843.358296498	3489.22337635014	3325.0882763710123	321.4584368293514	320.8794368293514	110.76546953048	118.72785020036321
266	213	175146	-196041.1413	932317.3170250766	39.43345983077	-01.4931478	285423.9796262046	4367840.264161532	3487.73055554454	3322.693161338963	321.428482	320.833169818096	106.2647412242327	114.30999511959584
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268	213	175148	-194721.1413	932317.3170250766	39.43342590787874	-01.488447	285826.1034017626	4367832.12	3479.019369916743	3319.2169294960436	321.593146995697	320.83024621734	105.6237825007669	115.33653703387107
269	213	175149	-194061.1413	932317.3170250766	39.43344578360395	-01.4861417	286027.1658516903	4367828.048721466	3476.379195323605	3317.480602105056	321.287625550289	320.59603141265	106.204734554767	116.8920586379099
270	213	175150	-193401.1413	932317.3170250766	39.4334912082122	-01.483603	286228.226905614	4367823.973191698	3475.76355656467	3315.768217662636	320.225815813727	321.19781231825113	105.54202401530677	117.95598613017228
271	213	175151	-192741.1413	932317.3170250766	39.43347818170324	-01.4812374	286429.2674	4367819.906	3475.1610235474	3315.41670235414	320.82528971326	321.722236241767	105.3176546953048	128.300501545485
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273	213	175153	-191421.1413	932317.3170250766	39.4334857753323	-01.4768002	286831.409055742	4367811.76438964	3470.9334627231106	3310.68092395002	320.619760576191	321.855636643376	105.983668188106	125.024932132286
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275	213	175155	-190101.1413	932317.3170250766	39.43352465644893	-01.4721294	287233.5296210654	4367803.6329725	3467.96032954387	3307.36804941152	320.619760576191	321.76010641632565	105.70110473805244	131.351985248801
276	213	175156	-189441.1413	932317.3170250766	39.43353762823901	-01.4697941	287434.589642796	4367799.553	3463.779327234763	3305.73504784887	320.59422904833	321.7662186119421	105.71844594025428	125.024932132286
277	213	175157	-188781.1413	932317.3170250766	39.43355054591722	-01.467487	287635.64826137416	4367793.48268496	3459.597125208863	3302.712782573685	320.718805222978	321.76375882909073	112.76374434138775	125.024932132286
278	213	175158	-188121.1413	932317.3170250766	39.43356344582487	-01.4651233	287836.7048615103	4367791.414	3455.41610235474	3303.541670235414	320.82528971326	321.722236241767	105.3176546953048	128.300501545485
279	213	175159	-187461.1413	932317.3170250766	39.43357627293788	-01.462778	288037.76849519187	4367787.3362619	3451.336825190535	3300.837084800326	320.319825249214	321.772805465933128	105.5440565953128	122.13182003202657
280	213	175160	-186801.1413	932317.3170250766	39.43358906	-01.4604526	288238.821943212	4367783.24612431	3447.359921219829	3300.365856931764	321.83544237336987	321.5072570330282	115.8212595594777	127.863103963744
281	213	175161	-186141.1413	932317.3170250766	39.433601810510744	-01.4581172	288439.267532039	4367780.450479568	3443.38072191439	3297.8107741472772	321.8048363190476	321.7034065524046	115.8212595594777	127.863103963744
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283	213	175163	-184821.1413	932317.3170250766	39.4336271678535	-01.4534464	288842.0046930506	4367770.918791296	3436.4061821967326	3295.271943218966	321.77162488823247	321.69313697831478	119.1005439521902	126.9635734581827
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285	213	175165	-183501.1413	932317.3170250766	39.4336524411225	-01.448781	289244.76849519187	4367761.9362619	3431.337741206234	3290.27247783745	321.69313697831478	321.69313697831478	119.1005439521902	126.9635734581827
286	213	175166	-182841.1413	932317.3170250766	39.4336648498243	-01.4464043	289445.17932312633	4367757.963	3428.33034540039	3288.806356256064	321.69313697831478	321.69313697831478	119.1005439521902	126.9635734581827
287	213	175167	-182181											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHfLogs.ft	SatHfBoth.ft
369	215	157249	-128061.1413	93.23217	31.7025076	69.435454681765445	-01.2526012	3362.32129168722674	4367421.926	3307.109789716713	3307.105981333893	3307.190381992014	3307.19272344588274
370	215	157250	-127401.1413	93.2317	31.7025076	69.43555548831451	-01.2502657	3063.333301733085	4367417.875011431	3306.652452396626	3307.135721484841	3306.754967	3307.19532474321969
371	215	157251	-126741.1413	93.2317	31.7025076	69.43556234894962	-01.2479303	3063.634175128767	4367413.932546112	3306.733241054814	3307.342023610448	3306.134251840454	3307.168523768620332
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373	215	157253	-125421.1413	93.2317	31.7025076	69.435458147167942	-01.2432594	3069.36545586995746	4367405.723655043	3308.1917372628468	3307.1474058241727106	3306.93247523441004	3306.7653851363407
374	215	157254	-124761.1413	93.2317	31.7025076	69.43549002240525	-01.240924	3071.37496542227	4367401.631702129	3306.46007987344	3307.2660695505354	3307.1366177630404	3307.11264218919947
375	215	157255	-124011.1413	93.2317	31.7025076	69.4354580821096	-01.2385885	3068.336952362452	4367397.637274945	3306.436954456295	3307.214082287659	3306.8190431887409	3307.85277821793059
376	215	157256	-123441.1413	93.2317	31.7025076	69.43546069880576	-01.2362351	3073.59717203141	4367393.571639671	3306.12698454603	3306.7984781573637	3306.4320303271855	3306.9073663152741
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378	215	157258	-122121.1413	93.2317	31.7025076	69.435462371451251	-01.2312822	3079.1416594432896	4367385.475488921	3306.750454851377	3306.53044325451377	3306.50551244918406	3306.50551244918406
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386	215	157266	-116841.1413	93.2317	31.7025076	69.435469121176719	-01.2128987	3095.9493687325459	4367353.08902025	3306.198623764767	3306.9506408497018	3306.950951129077649	3306.96953474757958
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389	215	157269	-114861.1413	93.2317	31.7025076	69.43547128695315	-01.2058923	3101.05318025707717	4367340.947559978	3306.2696265791637	3306.48780576	3306.50841598490405	3306.50841598490405
390	215	157270	-114201.1413	93.2317	31.7025076	69.435472056845059	-01.2035569	3103.52410446962	4367336.50079559	3306.2618195557193	3306.48780576	3306.50841598490405	3306.50841598490405
391	215	157271	-113541.1413	93.2317	31.7025076	69.43547283622388	-01.2012341	3105.94573549259	4367332.545611212	3306.2542834581063	3306.48780576	3306.50841598490405	3306.50841598490405
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393	215	157273	-112221.1413	93.2317	31.7025076	69.435474381445801	-01.1965505	3109.652131	4367324.76171367	3306.25619528578935	3306.48780576	3306.50841598490405	3306.50841598490405
394	215	157274	-111561.1413	93.2317	31.7025076	69.435475156289877	-01.1942511	3111.582685711784	4367320.17586631	3306.258608024964	3306.48780576	3306.50841598490405	3306.50841598490405
395	215	157275	-110901.1413	93.2317	31.7025076	69.4354759166225355	-01.1918796	3113.593052309334	4367316.670463975	3306.250131087369575	3306.48780576	3306.50841598490405	3306.50841598490405
396	215	157276	-110241.1413	93.2317	31.7025076	69.43547667243376	-01.189442	3115.60416984541	4367312.624510958	3306.248570739008	3306.5193532910757	3306.5031204066503	3306.511094044837501
397	215	157277	-109681.1413	93.2317	31.7025076	69.43547742573586	-01.1871937	3117.681378	4367308.579189302	3306.2467381381493	3306.5193532910757	3306.5031204066503	3306.511094044837501
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399	215	157279	-108261.1413	93.2317	31.7025076	69.435478912838942	-01.1825378	3121.614549892094	4367300.489133318	3306.24150680435594	3306.5193532910757	3306.5031204066503	3306.511094044837501
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401	215	157281	-106941.1413	93.2317	31.7025076	69.435480383785854	-01.1778669	3125.651252323236	4367292.39905373	3306.24134941397565	3306.5193532910757	3306.5031204066503	3306.511094044837501
402	215	157282	-106281.1413	93.2317	31.7025076	69.435481112631263	-01.1755314	3127.665561321253	4367288.255985222	3306.2412715075851	3306.5193532910757	3306.5031204066503	3306.511094044837501
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405	215	157285	-104301.1413	93.2317	31.7025076	69.43548318607707	-01.1682551	3133.691615949056	4367278.1290362	3306.24136603126864	3306.5193532910757	3306.5031204066503	3306.511094044837501
406	215	157286	-103641.1413	93.2317	31.7025076	69.435483982527652	-01.1661896	3135.70622234667	4367272.180414811	3306.2411950404131	3306.5193532910757	3306.5031204066503	3306.511094044837501
407	215	157287	-102981.1413	93.2317	31.7025076	69.43548468723163	-01.1638542	3137.7730666923	4367266.1331568	3306.2417341931913	3306.5193532910757	3306.5031204066503	3306.511094044837501
408	215	157288	-102321.1413	93.2317	31.7025076	69.43548530407232	-01.1615187	3139.7624363417	4367264.09406616	3306.2415892191879	3306.5193532910757	3306.5031204066503	3306.511094044837501
409	215	157289	-101681.1413	93.2317	31.7025076	69.435486087579864	-01.1591832	3141.73179901571106	4367260.051182755	3306.2417379273862	3306.5193532910757	3306.5031204066503	3306.511094044837501
410	215	157290	-101001.1413	93.2317	31.7025076	69.435486782401053	-01.1568478	3143.783261941053	4367256.008515373	3306.2415892191879	3306.5193532910757	3306.5031204066503	3306.511094044837501
411	215	157291	-100341.1413	93.2317	31.7025076	69.4354875029104	-01.1545924	3145.8361949093	4367252.180414811	3306.2415892191879	3306.5193532910757	3306.5031204066503	3306.511094044837501
412	215	157292	-99681.1413	93.2317	31.7025076	69.435488152029104	-01.1521769	3147.776070213053	4367247.93789216	3306.241785265251	3306.5193532910757	3306.5031204066503	3306.511094044837501
413	215	157293	-99021.1413	93.2317	31.7025076	69.435488831155965	-01.1498414	3149.73382586567	4367243.871340275	3306.24180371009124	3306.5193532910757	3306.5031204066503	3306.511094044837501
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415	215	157295	-97701.1413	93.2317	31.7025076	69.4354901758753455	-01.1451705	3153.7939968890876	4367235.78293467	3306.24180371009124	3306.5193532910757	3306.5031204066503	3306.511094044837501
416	215	157296	-97041.1413	93.2317	31.7025076	69.435490841468192	-01.142835	3155.80121295566	4367231.76794302	3306.24197523719125	3306.5193532910757	3306.5031204066503	3306.511094044837501
417	215	157297	-96381.1413	93.2317	31.7025076	69.4354915025492586	-01.1404698	3157.826256468875	4367227.15587555	3306.24197523719125	3306.5193532910757	3306.5031204066503	3306.511094044837501
418	215	157298	-95721.1413	93.2317	31.7025076	69.435492159118873	-01.138164	3159.832047625922	4367223.6475252	3306.24197523719125			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
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496	213	57376	-44241.14133	932317.3170250766	39.4526471678482	-100.955997	31363.09120162716	4366909.103770962	3068.708770808123	2917.696446023584	2905.247148430846	2910.801929	62.4493575923185	60.89451479750424
497	213	57377	-4381.14133	932317.3170250766	39.45297147960589	-100.953616	31318.1100789023	4366905.078877554	3066.4537204116594	2909.316306382031	2909.339119694599	2909.783702	60.7848717612234	60.52262377327019
498	213	57378	-42291.14133	932317.3170250766	39.4530074903636	-100.9513261	323065.12876886764	4366905.051481101	3063.196537653785	2968.9203938911885	2907.9900751480802	2905.355793634278	60.937215038221	59.57371454
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501	213	57381	-40941.14133	932317.3170250766	39.45330927	-100.9443196	323668.183943865	4366888.9813437338	3058.462302	2964.709663087856	2903.6226817202523	2908.65142026025	61.0869245883529	56.604193865165165
502	213	57382	-40821.14133	932317.3170250766	39.4533124976004	-100.9419841	323689.2021	4366884.96746757	3057.2200346789614	2963.278864	2901.1652895062456	2906.05513382895	62.11558317104435	56.6237111840604
503	213	57383	-3961.14133	932317.3170250766	39.45314779068595	-100.938616	33370.719899217	4366880.937897844	3058.383925147	2967.6715547044222	2909.667283681253	2905.067126537832	62.141036927119	56.75664659723812
504	213	57384	-3861.14133	932317.3170250766	39.45331747	-100.9373132	33327.237335413	436679.751	3052.548124252697	2960.37256186016	2898.05221916182	2907.37567412236	62.120720145116	56.54249047179051
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506	213	57386	-37641.14133	932317.3170250766	39.45322702770655	-100.9326422	333673.2721491603	4366868.864011906	3057.10613688317	2957.40301686421	2893.863603171524	2891.744900055215	65.65818163116955	56.55818163116955
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518	213	57398	-29721.14133	932317.3170250766	39.45353037303334	-100.9046163	336065.4905052637	4366820.632144004	3056.143355724223	2938.306745282026	2865.218494382605	2868.997343494123	73.0830250495456	69.3080179
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521	213	57401	-27741.14133	932317.3170250766	39.453562222908	-100.8976098	336688.5145585828	4366808.542600075	3058.3370534034014	2844.843684	2855.061323431535	84.9636938423112	78.2406330692471	
522	213	57402	-27081.14133	932317.3170250766	39.45356381	-100.8952744	336889.524093164	4366804.52203821	3058.293784624557	2931.6300907886534	2843.9132052051827	2850.1328278512296	87.7168855487608	81.4972237942378
523	213	57403	-26421.14133	932317.3170250766	39.4535692488784	-100.8930634	337090.5440971964	4366800.5203217195	3058.293784624557	2929.348567666774	2842.112307776654	2847.47109461515	89.7232310270682	87.7168855487608
524	213	57404	-2581.14133	932317.3170250766	39.453571708486596	-100.8906304	337291.5586192349	4366796.7652473534	3058.7625473534	2928.26236	2839.48438415124	2846.5445231535	88.77487081367	87.7168855487608
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533	213	57413	-19821.14133	932317.3170250766	39.4537572862909	-100.8698984	339100.682842866	4366760.8184755	3052.88377000083	2912.909547166686	2831.17674883922	2831.17674883922	81.767392314705	81.767392314705
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536	213	57416	-17841.14133	932317.3170250766	39.453799515257	-100.8625775	339703.720856296	4366746.7673033483	3046.95655777904	2907.698418587269	2824.0128286706665	2824.0128286706665	84.1201313660314	83.6877902766537
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539	213	57419	-15861.14133	932317.3170250766	39.4538304719827	-100.855571	340306.7576872176	4366736.21418827	3039.660547176377	2902.3958781102267	2820.47692549084	2820.31918	81.8198460411282</	

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Ls	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHtLog.f	SatHtBoth.f		
1	213	157001	38258.8586730335	93.23217	31.70250766	39.45352027482818	-00.6646068	356789.2477628384	3466407.570031641	2910.1831684111708	275.46765858948295	2704.7496764173825	2685.396527206824	70.1779747744699	70.0720286741708
2	213	157002	38918.8586730335	93.23217	31.70250766	39.453517670230424	-00.661723	356990.247713098	3466403.570566336	2908.856970206387	274.513389556813	2707.455991	2683.942091984533	46.0530430872285	69.57180358377991
3	213	157003	39538.8586730335	93.23217	31.70250766	39.45351496410344	-00.6638986	357181.3476417788	3466395.570989328	2909.7353262096717	275.15491589629675	2708.403881616744	2690.032520967014	43.1456862132015	61.5449576832603
4	213	157004	40238.8586730335	93.23217	31.70250766	39.45351222606817	-00.6570543	357392.2473475118	3466380.572424362	2909.872807260177	274.5752920235376	2704.427067060894	2673.870527542357	45.1510852328427	75.754564737791
5	213	157005	40898.8586730335	93.23217	31.70250766	39.45350942591761	-00.6547188	357593.2466695312	3466371.57337667	2909.902293243246	274.747593540356923	2697.400512269327	2674.127603833958	50.1870280726357	73.4653961816949
6	213	157006	41558.8586730335	93.23217	31.70250766	39.4535063465181	-00.6523833	357794.2644	3466367.574733828	2909.912137806675	274.5630460173773	2691.610740875254	2687.84158871814	53.99294102981895	57.76205723622752
7	213	157007	42218.8586730335	93.23217	31.70250766	39.45350371217074	-00.6500478	357995.2454773654	3466353.576	2910.3574766618	274.6049965265934	2687.949774068738	2689.275095398225	55.48551855679945	54.3291680571087
8	213	157008	42878.8586730335	93.23217	31.70250766	39.45350086	-00.6477124	358196.24493127165	3466349.578304666	2910.73104305405	274.159696830284	2686.097489243626	2674.689651668587	55.49946868299256	56.9073344069717
9	213	157009	43538.8586730335	93.23217	31.70250766	39.45349780916268	-00.6453769	358387.2439780148	3466335.579899328	2910.1028913843488	274.6037954637257	2685.1846268776647	2685.422326776647	54.4530689742712	54.03858987
10	213	157010	44198.8586730335	93.23217	31.70250766	39.45349491043451	-00.6430014	358598.243	3466321.582	2910.71639573292	273.7556494	2685.0732309038	2687.74831861006	52.4831650811197	46.6790106804961
11	213	157011	44858.8586730335	93.23217	31.70250766	39.4534918659241	-00.6407059	358789.24717618871	3466367.584500516	2912.14378595192	273.5523480111668	2684.7248043220075	2690.911870326008	51.6170527804486	44.6170527804486
12	213	157012	45518.8586730335	93.23217	31.70250766	39.4534877735059	-00.6387074	359000.24039966834	3466363.587068191	2913.914074904004	273.4821062823544	2683.2266037597055	2680.0780831736464	50.2555022258484	43.5022144707953
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26	213	157026	54758.8586730335	93.23217	31.70250766	39.45342408	-00.6056736	361814.2071458122	3466307.644	2884.153662744728	270.7450010379113	2645.36385894213	2655.9243669267	39.3861424484986	48.82563436644336
27	213	157027	55418.8586730335	93.23217	31.70250766	39.4534207309451756	-00.6033282	362015.20376578916	3466303.649844338	2883.617748270027	270.7253924939994	2646.003842041163	2649.6567549887265	53.6856273	53.6856273
28	213	157028	56078.8586730335	93.23217	31.70250766	39.4534231865159	-00.6010207	362216.2050225894	3466299.65561033	2886.003536516213	270.768661063316	2646.57354458093	2654.901706989297	52.2130660522316	45.8577690348645
29	213	157029	56738.8586730335	93.23217	31.70250766	39.45342356273631	-00.5988672	362417.1966073256	3466295.186601317	2886.792238485768	265.892387168004	2646.90790471253321	2652.838542753321	49.38851722417459	49.38851722417459
30	213	157030	57298.8586730335	93.23217	31.70250766	39.4534219235170591	-00.5965317	362618.1929487058	3466291.689	2889.77524143209	264.98916243209	2647.982773052713	2649.27747305264	34.4053870269914	34.4053870269914
31	213	157031	58058.8586730335	93.23217	31.70250766	39.45321252	-00.5939962	362818.1889190306	3466287.672486851	2890.683419177963	264.9239342	2647.136403	2661.4178985489	52.7920340560001	33.51455189711006
32	213	157032	58718.8586730335	93.23217	31.70250766	39.45321752429891	-00.5916607	363020.1848767013	3466283.68004057	2888.15482172966	264.9304033890343	2639.917327358015	2659.542654	53.1126615323824	53.1126615323824
33	213	157033	59378.8586730335	93.23217	31.70250766	39.4532134893441	-00.5893253	363221.1807025251	3466279.68772373	2885.597232542554	263.91774875849	2637.9718637996336	2657.638134921086	53.3699107625143	53.3699107625143
34	213	157034	60038.8586730335	93.23217	31.70250766	39.453209406433344	-00.5869898	363422.1763967035	3466283.047642935	2883.04856250155	263.91774875849	2637.9718637996336	2657.638134921086	53.3699107625143	53.3699107625143
35	213	157035	60698.8586730335	93.23217	31.70250766	39.45320526792751	-00.5846543	363623.1719594599	3466279.71091312	2880.10297880622	263.91774875849	2637.9718637996336	2657.638134921086	53.3699107625143	53.3699107625143
36	213	157036	61358.8586730335	93.23217	31.70250766	39.4532011810569	-00.582318	363824.1679074706	3466275.70963704	287.722225190255	263.91774875849	2637.9718637996336	2657.638134921086	53.3699107625143	53.3699107625143
37	213	157037	62018.8586730335	93.23217	31.70250766	39.453196891270614	-00.5799833	364025.16269146884	3466273.7102991	2873.4541342309	263.91774875849	2637.9718637996336	2657.638134921086	53.3699107625143	53.3699107625143
38	213	157038	62678.8586730335	93.23217	31.70250766	39.453192629319594	-00.5776479	364226.1576611437	3466272.74961838	2870.1269080405	262.972027996536	2628.30317275514	2643.2602819444733	53.769035402036	53.769035402036
39	213	157039	63338.8586730335	93.23217	31.70250766	39.4531883225354	-00.5753124	364427.15290020086	3466259.32897145	2867.75812854317	262.972027996536	2628.30317275514	2643.2602819444733	53.769035402036	53.769035402036
40	213	157040	63998.8586730335	93.23217	31.70250766	39.45318397007424	-00.5729769	364628.1478088054	3466251.741135001	2866.3482901753694	262.972027996536	2628.30317275514	2643.2602819444733	53.769035402036	53.769035402036
41	213	157041	64658.8586730335	93.23217	31.70250766	39.4531795777632	-00.5706414	364829.14285872968	3466247.74953759	2864.75812854317	262.972027996536	2628.30317275514	2643.2602819444733	53.769035402036	53.769035402036
42	213	157042	65318.8586730335	93.23217	31.70250766	39.45317519306519	-00.568306	365030.13732574346	3466243.78518328	2863.529914823564	262.972027996536	2628.30317275514	2643.2602819444733	53.769035402036	53.769035402036
43	213	157043	65978.8586730335	93.23217	31.70250766	39.45317130439519	-00.5659616	365231.1484687505	3466239.78518328	2862.30317275514	262.972027996536	2628.30			

ix	iy	ic7	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
7	14	156727	-369881.1413	39.29277 31.70250766	39.430234865570114	-102.0980023	233345.35885262594	4399103.187946197	3947.5177131444934	3715.114229717236	3644.23718484312	3644.34111587276	70.7472381381184	70.7038801299906
8	214	157628	-366321.1413	39.29277 31.70250766	39.430259562815154	-102.0956472	233348.48216713955	439909.062119526	3942.9165489453685	3713.852623786532	3642.376956591064	3642.458242385956	71.4758672174273	71.4133955479149
9	214	157629	-366361.1413	39.29277 31.70250766	39.430284946656674	-102.0933121	233347.60207465924	439904.336807712	3938.5133862454537	3705.33862454537	3640.582847233143	3640.623847233143	72.00035287131534	71.70035287131534
10	214	157630	-365001.1413	39.29277 31.70250766	39.4303091395528	-102.090907	233347.722888102	439900.811089759	3938.71422347118	3711.334449092417	3638.8697471230156	3638.8697471230156	72.5532776911558	72.4647078
11	214	157631	-364341.1413	39.29277 31.70250766	39.43033483993025	-102.0886619	233419.85006537927	439906.6858866745	3928.456825965313	3707.074093137555	3636.8617740899367	3636.954794861336	73.2131903818178	73.1160682762186
12	214	157632	-363681.1413	39.29277 31.70250766	39.4303627076179	-102.0863268	234350.57276037357	439902.568091361	3926.660194700841	3708.81379621718	3634.92571574399	3634.92571574399	73.93209068951752	73.8874817
13	214	157633	-363021.1413	39.29277 31.70250766	39.4303854648982	-102.0839917	234552.09470511513	439904.436130838	3916.824563136863	3707.55218804035	3632.789420590116	3632.789420590116	74.7627645020873	74.6154664033218
14	214	157634	-362361.1413	39.29277 31.70250766	39.43040934711433	-102.0816566	234753.21647849277	439907.413152429	3910.988932131364	3706.291219295312	3630.680455863828	3630.680455863828	75.7037944549223	75.6037944549223
15	214	157635	-361701.1413	39.29277 31.70250766	39.4304349626352	-102.0793214	234854.33784918162	439907.1871525375	3907.910240013225	3705.3384751174671	3628.470687470977	3628.470687470977	76.55978765738791	76.45978765738791
16	214	157636	-361041.1413	39.29277 31.70250766	39.43045879303251	-102.076983	235155.4541749624	439906.023895513	3904.8894860970753	3703.770538984734	3626.1755438984734	3626.1755438984734	77.638084316891	77.538084316891
17	214	157637	-360381.1413	39.29277 31.70250766	39.4304834366076	-102.0746512	235356.58008403552	439901.39302385	3902.765733907525	3702.51182	3623.916227158113	3623.916227158113	78.60019255562693	78.5022715616072
18	214	157638	-359721.1413	39.29277 31.70250766	39.43050805857592	-102.0723161	235557.700760934	439905.871	3904.649805475181	3701.254716971485	3621.650539216582	3621.6763418970686	79.60416304976025	79.538750743317
19	214	157639	-359061.1413	39.29277 31.70250766	39.43053262	-102.069981	235758.8217517402	439903.691743431	3899.40045153288	3699.99604984475	3619.286732258184	3619.4834396279184	80.7127827025818	80.5161653556548
20	214	157640	-358401.1413	39.29277 31.70250766	39.43055714368245	-102.067458	235959.9413256658	439949.568410364	3898.03469893384	3698.7467545203016	3616.954336336391	3616.954336336391	81.79637015602748	81.80541042086917
21	214	157641	-357741.1413	39.29277 31.70250766	39.43058611852523	-102.0653107	236161.0612197008	439904.548528919	3897.496826182614	3697.496826182614	3614.44232613003	3614.3896701104423	83.05405269692008	83.0175068117152
22	214	157642	-357081.1413	39.29277 31.70250766	39.430609404377065	-102.0629716	236362.18094832648	439904.122236372	3898.3010590315168	3696.253108133227	3611.8504543720014	3611.701738500217	84.40285736132129	84.51134142830105
23	214	157643	-356421.1413	39.29277 31.70250766	39.430630430367635	-102.0606405	236563.302717424	439907.19968891	3897.970525515208	3695.015052220553	3609.2173098506464	3609.34053375695	85.79774573140884	86.0702468439578
24	214	157644	-355761.1413	39.29277 31.70250766	39.43065477265403	-102.0583053	236764.4193248548	439903.370711571	3897.265715547363	3693.782500556155	3607.405132506185	3607.405132506185	86.737736835	87.3085311
25	214	157645	-355101.1413	39.29277 31.70250766	39.430679067136424	-102.0559702	236965.5381718495	439928.9546319	3897.383688034133	3692.555773873884	3606.23612806709	3604.21928658169	87.9434932029137	88.24250552224055
26	214	157646	-354441.1413	39.29277 31.70250766	39.430703371657424	-102.0536351	237166.6567562806	439904.243776973	3897.090278409357	3691.334702167136	3601.334702167136	3601.334702167136	88.2865317457526	89.111425338851
27	214	157647	-353781.1413	39.29277 31.70250766	39.43072752	-102.0512999	237367.7750819745	4399020.758992748	3896.126695703993	3690.118923137825	3603.879395540393	3699.41220683047	89.2388947931324	90.7067712
28	214	157648	-353121.1413	39.29277 31.70250766	39.4307516595885	-102.048948	237568.891485195	439906.159927729	3897.45377372599	3689.905344810436	3602.974676635306	3699.62820626512	90.1624820713501	91.2694068453152
29	214	157649	-352461.1413	39.29277 31.70250766	39.43077591238035	-102.046727	237770.5814381313	439901.627645656	3897.85152192779	3687.26730547094	3604.501244714264	3604.501244714264	91.821335872245	92.7791404
30	214	157650	-351801.1413	39.29277 31.70250766	39.4307988295958	-102.044295	237971.124965004	439903.34509378	3894.227384596256	3686.50717356728	3600.4948709070672	3693.62507131371	92.881401259378	92.881401259378
31	214	157651	-351141.1413	39.29277 31.70250766	39.43082388685474	-102.0419564	238172.2458818593	439902.54259378	3892.92459511517	3684.3166625292	3699.336103756107	3694.422651690107	93.870261163051	93.870261163051
32	214	157652	-350481.1413	39.29277 31.70250766	39.43084786560768	-102.0396242	238373.3629076818	439900.14619225	3893.9521541217864	3684.125664	3697.99923238825	3695.375137947655	94.7681240350688	94.7681240350688
33	214	157653	-349821.1413	39.29277 31.70250766	39.4308717925591	-102.0372891	238574.4707447006	439905.9838761	3894.87972873853	3684.09383913301	3696.575272205614	3693.768337076884	95.16201523	95.16201523
34	214	157654	-349161.1413	39.29277 31.70250766	39.43089567779968	-102.034984	238755.5961818172	439989.463363909	3896.07334034225	3683.71369941488	3694.667576264773	3695.7529081854718	96.07585936846	96.07585936846
35	214	157655	-348501.1413	39.29277 31.70250766	39.430919531238035	-102.032618	238976.71430511728	439991.63436426	3897.86134734626	3682.95152192779	3692.76730547094	3692.76730547094	97.0252569735824	97.0252569735824
36	214	157656	-347841.1413	39.29277 31.70250766	39.43094332957365	-102.030287	239177.6477645656	439984.32337111	3897.36817421405	3679.4202275454	3693.684116771611	3693.684116771611	97.5423251136457	97.5423251136457
37	214	157657	-347181.1413	39.29277 31.70250766	39.43096706280371	-102.0279485	239378.5415224233	439989.70335621	3897.932851633885	3678.204718730235	3685.411820639908	3695.11904502777	98.29202123303276	98.08250369575586
38	214	157658	-346521.1413	39.29277 31.70250766	39.4309907902914	-102.0256134	239580.0596257659	439975.38394176	3898.497336773768	3677.023910709234	3682.425095768776	3697.998602476211	99.59281430451476	99.59281430451476
39	214	157659	-345861.1413	39.29277 31.70250766	39.43100144539487	-102.0232782	239781.174841095	439987.245571026	3898.32299501376	3675.84372480714	3679.605495906613	3665.514867	99.2383174900814	100.328075797218
40	214	157660	-345201.1413	39.29277 31.70250766	39.4310280178653	-102.0209431	239982.28979670942	439989.1637761	3897.409171214834	3674.663302873097	3677.0421061890367	3664.7212410427197	100.3901567870213	100.3901567870213
41	214	157661	-344541.1413	39.29277 31.70250766	39.4310564467703	-102.0186079	240183.40498972147	439993.02640224	3896.495346819566	3673.4831056224902	3674.733942181836	3691.39708798837	100.7208084573221	100.7208084573221
42	214	157662	-343881.1413	39.29277 31.70250766	39.431081951238035	-102.016327	240384.5184133913	439995.801974276	3897.85152192779	3672.26730547094	3664.501244714264	3664.501244714264	101.821335872245	101.821335872245
43	214	157663	-343221.1413	39.29277 31.70250766	39.43110865483765	-102.0138716	240585.6312676726	439995.78987361	3894.323371052505	3670.7240702536148	3661.530315667912	3661.530315667912	102.988267992574	102.988267992574
44	214	157664	-342561.1413	39.29277 31.70250766	39.4311320048137	-102.0116024	240786.7405521297	439995.67073963	3892.72089572365	3669.942714951714	3658.2679188291545	3649.159837472262	103.6747961225563	103.6747961225563
45	214	157665	-341901.1413	39.29277 31.70250766	39.4311555487291	-102.0092573	240987.8607	439996.55259877	3891.11841972697	3666.794000955555	3666.026178904475	3646.80186273594	104.7322311910807	104.7322311910807
46	214	157666	-341241.1413	39.29277 31.70250766	39.431178832159475	-102.0069321	241188.97414197348	439994.316661023	3897.51594377992	3667.51594377992	3663.8612414902275	3646.293174167946	105.70314041136319	105.70314041136319
47	214	157667	-340581.1413	39.29277 31.70250766	39.43120123434097	-102.0045969	241380.070740733	439993.4394428	3897.135406799955	3666.380700959294	3661.654675	3648.13858	106.7260259133362	106.7260259133362
48	214	157668	-339921.1413	39.29277 31.70250766	39.43122539141734	-102.002216	241591.20020327307	439994.199434401	3896.176826677887	3665.176826677887	3659.295348114465	3659.295348114465	107.93405134226	107.93405134226
49	214	157669	-339261.1413	39.29277 31.70250766	39.4312508195958	-102.000000	241792.244542589	439995.8698035	3897.85152192779	3664.501244714264	3664.501244714264	3664.501244714264	108.9323849848306	108.9323849848306
50	214	157670	-338601.1413	39.29277 31.70250766	39.43127177	-101.997514	241976.4524075307	439995.950051032	3897.659612795516	3662.727605347304	3654.81176825277	3659.92846487523	109.9608083	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SatThKLog.ft	SatThBoth.ft
13	214	15773	-288281.1413	93297.7120250766	39.433037379249924	-101.8037675	258684.882666667	3485894.968438241	3643.5792096148225	3228.11242008085	3363.20276224464804	3378.0870659668686	347.9307475623248	149.30371305211656
134	214	15774	-286161.1413	93297.7120250766	39.4330567513006	-101.8014322	258885.9745022088	3485980.98477449	3647.7496955872665	3265.215404662242	3365.4425627030437	3391.7146330901682	340.7728422591811	134.55005108144823
135	214	15775	-285011.1413	93297.7120250766	39.43316115924684	-101.798069	258887.6671361303	3486017.62636377	3643.91716586927	3253.921744611787	3367.982290492672	3395.367911980461	135.42848414888482	135.42848414888482
136	214	15776	-281941.1413	93297.7120250766	39.4330537756437	-101.796717	258928.156879701	3486127.66969858	3644.081623011701	3252.4311803539671	3369.760985784663	3414.672547514451	152.6341935475197	107.5863539511449
137	214	15777	-281811.1413	93297.7120250766	39.433114620118445	-101.7944264	259489.2740811381	3486585.675091103	3645.246007432106	3250.544718682031	3371.012415501936	3413.839015624715	149.523031800949	106.7057030731962
138	214	15778	-280521.1413	93297.7120250766	39.4331381756379	-101.7920911	259690.3348988504	3486854.270941009	3646.015029530514	3251.863589798173	3371.045293539346	3408.4834589681217	147.2582926227785	110.17974510059139
139	214	15779	-279861.1413	93297.7120250766	39.433126999031	-101.7897558	259891.428951937	3486860.373498162	3650.541993332026	3251.78643552818	3371.122653	3413.839015624715	149.523031800949	106.7057030731962
140	214	15780	-279201.1413	93297.7120250766	39.43317207712801	-101.7874205	260092.5191627026	3486956.274894911	3657.64048675593	3249.91596220963	3370.1286381016726	3394.9757963229074	154.5330241042923	119.94370189381242
141	214	15781	-278641.1413	93297.7120250766	39.43319115924684	-101.785858	260391.6097432152	3487052.670709555	3642.91716586927	3253.921744611787	3367.982290492672	3395.367911980461	135.42848414888482	135.42848414888482
142	214	15782	-277881.1413	93297.7120250766	39.43321015625676	-101.7827439	260494.6989955244	3486948.078671958	3651.023528437177	3253.921744611787	3367.982290492672	3395.367911980461	135.42848414888482	135.42848414888482
143	214	15783	-277221.1413	93297.7120250766	39.433229128157734	-101.7804146	260695.7883951679	3486954.980834763	3675.85248993347	3250.3588273207147	3364.760736	3395.367911980461	135.42848414888482	135.42848414888482
144	214	15784	-276561.1413	93297.7120250766	39.4332405494973	-101.7780793	260896.87766437152	3486958.828222442	3676.7502074025557	3250.5274346083156	3362.947158751843	3403.122945347284	154.58027586647278	104.4049120991466
145	214	15785	-275901.1413	93297.7120250766	39.4332669363271	-101.775744	261097.96679693807	3486955.785800409	3677.71756481171	3250.798253091753	3361.2508731097573	3408.038810266937	149.523031800949	97.6259640382219
146	214	15786	-275241.1413	93297.7120250766	39.4332857320665	-101.7734087	261299.0554943963	3486931.68800507	3678.650102307373	3250.9735080113	3359.061947374925	3412.6668001206	144.84540350610814	91.4132507286275
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162	214	15802	-264681.1413	93297.7120250766	39.4335810253946	-101.736043	264516.0148196315	3486816.16111134	3608.30253725429	3248.7703261448505	3333.933649425066	3361.123649	149.8367617978446	22.64667722016065
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170	214	15810	-259401.1413	93297.7120250766	39.4337241812115	-101.7173612	266125.1145480305	3486843.41766959	3586.075459827287	3247.8166187091024	3328.580369274225	3276.628296841285	146.23624034716788	198.5355248947386
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvLogKgr.ft	SatHtLogKgr.ft	SatHtBot.ft		
258	214	157879	-200661.1413	93.29277	31.70250766	39.435123705389295	-01.505913	284020.6205748202	4388070.034891785	3497.3887849050802	33.4148870901694	32.01400926146594	3203.4458198074503	12.014794394509899	130.9307502028424353
260	214	157880	-200001.1413	93.29277	31.70250766	39.43513744431662	-01.5071779	284221.6836191178	4388065.961312654	3497.002455283811	33.32259115546404	32.01544378891817	3203.833478891817	12.01473665478525	128.82524110408986
261	214	157881	-199891.1413	93.29277	31.70250766	39.43515078313129	-01.5084968	284422.7486513407	4388061.034891785	3496.821631665411	33.230897891757485	32.015306081757485	3204.582789853434	11.98547201150717	126.31589933035392
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263	214	157883	-199621.1413	93.29277	31.70250766	39.4351782554227706	-01.5007173	284824.87272666795	4388053.74151506	3494.4034017289384	33.27379727392665	32.02188915285793	3205.741491152745	11.5908571069257	121.63828123992016
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265	214	157885	-196701.1413	93.29277	31.70250766	39.43520253726327	-01.4955004	285226.998416993	4388045.59607535	3488.318641721423	33.23388760458835	32.03308054256858	3207.129514418821	10.56070534431779	116.739240400124
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268	214	157888	-194721.1413	93.29277	31.70250766	39.435245371767805	-01.4884842	285830.1821158953	4388033.573767922	3476.87034552393	33.1635697477251	32.01335835	3202.4056893257	10.27393033663	116.171905454793
269	214	157889	-194061.1413	93.29277	31.70250766	39.4352586599115	-01.4861588	286031.243457012	4388029.30761632	3467.881002947387	33.16189142844104	3208.716024665964	3199.7845797302023	10.3811787720041	117.10886494113013
270	214	157890	-193401.1413	93.29277	31.70250766	39.43527190239014	-01.4838233	286232.30458413396	4388025.235629157	3474.158267439496	33.15756310712095	3206.6789722977975	3198.050698117355	10.49656871923207	117.1249328985468
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272	214	157892	-192081.1413	93.29277	31.70250766	39.43529826252414	-01.4791525	286634.42620761914	4388017.03325497	3471.539371448067	33.1174965265446	3201.864520409605	3193.941420409605	10.90004448047537	117.26884862535371
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274	214	157894	-190761.1413	93.29277	31.70250766	39.43532442246748	-01.4744818	287036.5489157225	4388009.951075183	3469.86375730743	33.08142199715612	3197.0135898864026	3195.5827641134033	11.4084082880936	112.839271428698
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277	214	157897	-188781.1413	93.29277	31.70250766	39.435363388282104	-01.4674753	287639.7266968747	4387996.74	3458.270546	33.0333228	3189.947935455327	3187.27642364509	11.5852927132394	124.2958546214088
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295	214	157915	-176901.1413	93.29277	31.70250766	39.43558831054252	-01.4254374	291258.7650490927	4387923.15455658	3416.7582540591474	3278.9243	3162.084908120817	3154.7217054118	117.764271471193	125.93142717837056
296	214	157916	-176241.1413	93.29277	31.70250766	39.4356003049975	-01.423102	291459.82071671363	4387919.446389281	3416.092977164017	3275.5461712601273	3164.59875	3161.1395430587056	110.942962607714	126.04622715737662
297	214	157917	-175581.1413	93.29277	31.70250766	39.43561240524314	-01.4207665	291660.872971547	4387915.38	3417.0499883776717	3274.178792689974	3166.063254173602	3165.8385163939458	116.1553851638519	119.48962715905184
298	214	157918	-174921.1413	93.29277	31.70250766	39.435624384872995	-01.4184311	291861.9316	4387911.314	3417.197795910234	3272.81858783035	3168.092374110836	3165.8385163939458	116.1553851638519	119.48962715905184
299	214	157919	-174261.1413	93.29277	31.70250766	39.43563631938934	-01.4160956	292068.982795982	4387907.24885001	3414.127041784651	3271.463381840204	3167.010169692515	3165.8385163939458	116.1553851638519	119.48962715905184
300	214	157920	-173601.1413	93.29277	31.70250766	39.43564820870208	-01.4137062	292264.0143632626	4387903.18342175	3412.93027495301	3270.11372914965	3173.34354205318	3167.010169692515	116.1553851638519	119.48962715905184
301	214	157921	-172941.1413	93.29277	31.70250766	39.43566012787873	-01.4113761	292465.68196117	4387898.471013835	3411.748942	3269.07438430226	3166.08493198592	3161.3969177428161	117.764271471193	125.93142717837056
302															

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
38	214	158005	-117501.1413	93297.3172052076	39.43649391568005	-101.2152445	309352.9839291856	436755.32767025	13823.149061680302	3155.09415362176	3056.365458174029	3056.488073514767	88.72899544768719	86.6053462702935
386	214	158006	-116841.1413	93297.3172052076	39.43650152539675	-101.2129809	309554.0220332986	436754.34998665	3280.930315448739	3155.09415362176	3056.72203239554	3056.7954621421823	96.1701984546047	86.63676094
387	214	158007	-116181.1413	93297.3172052076	39.43650692854284	-101.2108234	309755.0095862654	436750.27143365	3278.042619871679	3141.2517685325142	3052.9409210097584	3052.972462442362	94.72134624407386	84.78802405898164
388	214	158008	-115521.1413	93297.3172052076	39.43651789091171	-101.2082379	309565.0976817005	436750.30707116	3142.566891910753	3150.052766	3056.97821059948	3056.97168245729335	93.08765182779323	83.04114117706292
389	214	158009	-114861.1413	93297.3172052076	39.4365256322488	-101.2059024	310157.1352267298	436754.128929731	3271.091187107125	3148.3445318631534	3056.8662015948826	3056.8944571412688	91.0743026827004	81.4499745028148
390	214	158010	-114201.1413	93297.3172052076	39.43653351232278	-101.2035669	310358.175859224	436753.13593747	3267.615485017912	3146.6072578921226	3056.537804065682	3056.5642717817609	90.0689379554054	80.1959421341334
391	214	158011	-113541.1413	93297.3172052076	39.43654129630539	-101.2012314	310559.2097594794	436753.0408	3264.335535363873	3144.845684567073	3055.558371069731	3055.4010309059457	89.2872873897911	80.4784510258148
392	214	158012	-112881.1413	93297.3172052076	39.43654903517287	-101.1988899	310760.2467476089	436753.0043	3261.219356691234	3143.060297953870	3053.695604505544	3053.433662	89.267926081586	80.6211635056037
393	214	158013	-112221.1413	93297.3172052076	39.43655672954284	-101.196564	310961.2659896254	436752.966381385	3258.168141795474	3141.2517685325142	3052.9409210097584	3052.972462442362	89.1084725575547	80.52578388411467
394	214	158014	-111561.1413	93297.3172052076	39.43656347756124	-101.1942249	311162.2016910257	436752.952032381	3255.08434924624	3139.420879380946	3052.391203450434	3052.384227299104	87.0294573895044	87.0394525398047
395	214	158015	-110901.1413	93297.3172052076	39.43657198106253	-101.1918894	311363.3566	436751.904301178	3252.8847175319557	3137.567786359284	3051.31063752484	3051.367870466	86.25704964	86.2570496404073
396	214	158016	-110241.1413	93297.3172052076	39.4365793348843	-101.1895539	311564.3924949484	436751.858592059	3251.5680956117088	3135.688952	3049.837400703878	3049.837209465764	85.1961212569824	85.1961212569824
397	214	158017	-109581.1413	93297.3172052076	39.436587052778954	-101.1872184	311765.4289140555	436750.913078924	3250.2518017014084	3133.85170811275	3048.49621664576	3048.4881945710463	84.8584922569689	84.8584922569689
398	214	158018	-108921.1413	93297.3172052076	39.436594520954074	-101.1848829	311966.4649738877	436750.76777059	3248.935453785343	3131.922214151761	3047.340442031316	3047.5046720178717	84.5317021245521	84.5317021245521
399	214	158019	-108261.1413	93297.3172052076	39.43660194401378	-101.1825473	312167.50048977043	436750.72266756	3246.97218845407	3130.088338261064	3046.59826810136	3046.5921729017138	84.3280710594322	84.3280710594322
400	214	158020	-107601.1413	93297.3172052076	39.43660932195807	-101.1802118	312368.536018633	436749.671769314	3240.746268107144	3128.1061192	3045.9039911595023	3045.924022986466	82.20219281146774	82.1767896722351
401	214	158021	-106941.1413	93297.3172052076	39.43661666	-101.1778673	312569.571330835	436749.633076014	3238.726439147461	3126.1849021191706	3045.066603766055	3045.1359708549678	81.112689351371	81.0489312686967
402	214	158022	-106281.1413	93297.3172052076	39.43662394250029	-101.1755408	312770.604755267	436749.58857656	3230.760429516274	3124.25567279122	3043.51699136139	3043.5169505165163	80.71869931429828	80.6195111395865
403	214	158023	-105621.1413	93297.3172052076	39.43663118508022	-101.1732053	312971.6414373019	436748.5544	3223.774645282306	3122.31777638023	3041.20197828553	3041.36607383971	81.0857971	81.02126925505221
404	214	158024	-104961.1413	93297.3172052076	39.4366383258065	-101.1708698	313172.676216127	436748.500257265	3221.375115455256	3038.5086530573074	3038.668652613245	81.085495194817922	81.70824719420216	
405	214	158025	-104301.1413	93297.3172052076	39.43664553	-101.1685343	313373.7108	436747.456352139	3220.089835026007	3118.4251947614025	3035.902650583275	3035.9064734871953	82.522596975701	82.5188427345123
406	214	158026	-10361.1413	93297.3172052076	39.4366524119036	-101.1661987	313574.745264677	436747.4313	3197.2474351050865	3116.42592515152	3033.2463569185533	3033.186624071123	83.3507660703964	83.3507660703964
407	214	158027	-102961.1413	93297.3172052076	39.43665974532484	-101.163915	313789.2080525805	436747.42230963	3174.054577035543	3089.89475743836	3031.6587245671	3031.6587245671	82.73574705353023	82.73574705353023
408	214	158028	-102321.1413	93297.3172052076	39.43666672155531	-101.1615277	313976.8135073402	436746.53506789	3191.033550450131	3112.543707887265	3027.831992340324	3027.831992340324	84.9487474353173	84.9487474353173
409	214	158029	-101661.1413	93297.3172052076	39.43667388326014	-101.1591922	314177.8473413105	436746.28206784	3188.83842837387	3110.587454	3024.667482173059	3024.667482173059	85.368131373092	85.368131373092
410	214	158030	-101001.1413	93297.3172052076	39.43668062004941	-101.1568567	314378.801058572	436745.24007652	3186.043640277664	3110.625264613031	3021.683057453294	3021.297400495227	86.27394215020164	86.27394215020164
411	214	158031	-100341.1413	93297.3172052076	39.436687507173085	-101.1545212	314579.9146	436745.1971387	3184.060460482888	3110.666302679464	3018.7062991316666	3018.7062991316666	87.9545013627882	87.9545013627882
412	214	158032	-99681.1413	93297.3172052076	39.4366943828119	-101.1521857	314780.947	436744.15497388	3182.029903591211	3104.6916610911248	3016.65781077693	3016.6101123052218	88.0338401155529	88.0338401155529
413	214	158033	-99029.1413	93297.3172052076	39.43670112972387	-101.1498591	314981.881	436744.15497388	3178.019342374028	3016.7898484028	3016.7898484028	3016.7898484028	89.16395826758053	89.16395826758053
414	214	158034	-98361.1413	93297.3172052076	39.43670832955056	-101.1475146	315183.0139884406	436744.107077914	3174.008787848995	3016.701506860508	3016.701506860508	3016.701506860508	90.278445321478	90.278445321478
415	214	158035	-97701.1413	93297.3172052076	39.43671458	-101.1451791	315384.0467688177	436743.02888435	3172.516444889232	3098.7854414353646	3023.1808964211436	3023.742872889203	90.754054501	90.75405450154433
416	214	158036	-97041.1413	93297.3172052076	39.43672123	-101.1428436	315585.079468225	436743.028872672	3172.5423455855307	3098.62266893595	3029.671671047805	3029.671671047805	91.550974579024	91.550974579024
417	214	158037	-96381.1413	93297.3172052076	39.4367278434064	-101.1405081	315786.119	436742.948587318	3174.568242	3094.862250900701	3032.815840670161	3032.815840670161	92.64841024	92.64841024
418	214	158038	-95721.1413	93297.3172052076	39.4367341020491	-101.1381725	315987.1441265048	436742.940431175	3175.59413995148	3092.903695624975	3031.01213181918	3031.01213181918	93.72899544768719	93.72899544768719
419	214	158039	-95061.1413	93297.3172052076	39.4367409539539	-101.135837	316188.17618571954	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	94.72899544768719	94.72899544768719
420	214	158040	-94401.1413	93297.3172052076	39.43674782762854	-101.1335019	316399.2080525805	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	95.72899544768719	95.72899544768719
421	214	158041	-93741.1413	93297.3172052076	39.43675393710369	-101.131166	316590.2397535252	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	96.72899544768719	96.72899544768719
422	214	158042	-93081.1413	93297.3172052076	39.4367602250505	-101.1288305	316791.2712861286	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	97.72899544768719	97.72899544768719
423	214	158043	-92421.1413	93297.3172052076	39.43676656279081	-101.1264949	316992.3062287867	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	98.72899544768719	98.72899544768719
424	214	158044	-91761.1413	93297.3172052076	39.43677286	-101.1241594	317193.3337907535	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	99.72899544768719	99.72899544768719
425	214	158045	-91011.1413	93297.3172052076	39.43678190801504	-101.1218239	317394.3647749924	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	100.72899544768719	100.72899544768719
426	214	158046	-90441.1413	93297.3172052076	39.43678512955436	-101.1194884	317595.3956	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	101.72899544768719	101.72899544768719
427	214	158047	-89781.1413	93297.3172052076	39.43679142776205	-101.1171683	317806.42762854	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	102.72899544768719	102.72899544768719
428	214	158048	-89121.1413	93297.3172052076	39.43679758748317	-101.1148173	317997.456578633	436742.9363314925	3180.55644847887	3090.946385380483	3027.939550003485	3027.939550003485	103.72899544768719	103.72899544768719
429	214	158049	-88461.1413	93297.3172052076	39.436803657074286	-101.1124818	318198.486925566	436742.9363314925	318					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRELEVLogKgr.ft	BRELEVLogKgr.ft	SurfElevLogKgr.ft	SurfThBoth.ft
511	214	158131	-34341.14133	93297.7170250766	39.437147833541864	-00.92069678	334682.3838316078	43670.49966	3068.511898603753	29.47914689153167	2882.2748310612214	2872.9614977157523	7.59638785	76.90991713743435
512	214	158132	-33681.14133	93297.7170250766	39.43715015849933	-00.9186322	334883.4001	43670.454196497	3070.301297208661	29.462358549031	2880.531495408542	76.72643959117659	76.30909019884929	76.30909019884929
513	214	158133	-33091.14133	93297.7170250766	39.437161624	-00.9161967	335084.41612699407	43670.371796	3074.001618142686	29.4581815142686	2879.17032502346	2871.031782027147	75.58892705923018	75.58892705923018
514	214	158134	-32611.14133	93297.7170250766	39.43715673043776	-00.913611	335285.43	43670.3071	3077.880093870733	29.4540747647231	2878.249163632816	2872.068947074367	76.58310089145029	72.8550898949917
515	214	158135	-32101.14133	93297.7170250766	39.43715686263278	-00.9116256	335486.447780832	43670.33859365	3080.299348148036	29.44316112895287	2877.4663290854683	2872.138871959776	66.895483098187	71.22294094
516	214	158136	-31041.14133	93297.7170250766	39.43715697011431	-00.909029	335687.4633678013	43670.289621367	3081.349004371186	29.4470504215416	2875.652750972409	2869.405714242586	69.105212430065	69.1052697283024
517	214	158137	-30381.14133	93297.7170250766	39.4371611064793	-00.9069545	335888.4877949358	43670.24312136	3082.3984785657185	29.4401673093752	2870.511710799115	2871.716204299706	65.9296851	68.3254750081916
518	214	158138	-29721.14133	93297.7170250766	39.43716107072787	-00.9046189	336089.4940625578	43670.2181642028	3083.44795247314	29.43817147	2865.4641919813816	2870.429064477818	72.90686475750844	67.9415407260831
519	214	158139	-29061.14133	93297.7170250766	39.43716165685981	-00.9026284	336291.50591708186	43670.177796	3083.719160916098	29.436584952763	2869.69030796811	2867.31105847538	68.85502159230218	68.85502159230218
520	214	158140	-28401.14133	93297.7170250766	39.43716713387543	-00.8999478	336491.52411959756	43670.1377550044	3083.2121630738257	29.4351056632436	2854.910431841025	2863.905547287908	61.1126345214113	71.2073234833764
521	214	158141	-27741.14133	93297.7170250766	39.43716065277445	-00.8976123	336692.53891012375	43670.0953580884	3083.705145231843	29.43323706309833	2850.328785832053	2859.565378812505	82.99718442657831	71.6716420858266
522	214	158142	-27081.14133	93297.7170250766	39.43717092655269	-00.8952767	336893.5354158336	43670.0537425659	3082.196127389759	29.43163629987349	2845.513076796703	2846.862943262444	66.1223237174627	74.77335663310487
523	214	158143	-26421.14133	93297.7170250766	39.43717255222996	-00.8928214	337094.5680151906	43670.01715674378	3080.791955588636	29.42941853639744	2840.2402698	2844.836390341473	85.3915522019465	85.1057622019465
524	214	158144	-25761.14133	93297.7170250766	39.43717453877246	-00.8900656	337296.5823213737	43669.9761921707	3079.437035071662	29.4243580860134	2841.043854912853	2840.4178204315676	79.19972594796036	87.82576042924575
525	214	158145	-25011.14133	93297.7170250766	39.4371762720543	-00.8882701	337496.5943964443	43669.9376873881	3078.216710559087	29.42634739705801	2837.4057115687327	2846.88028	79.13564745	79.169109152
526	214	158146	-24441.14133	93297.7170250766	39.4371779702185	-00.8854046	337807.6104842444	43669.8917544056	3065.671980392252	29.42433620920535	2850.0705746945435	2850.039520238623	74.7654351200718	74.7986168971622
527	214	158147	-23781.14133	93297.7170250766	39.43717961872179	-00.883599	337898.62142351415	43669.85169	3062.6042904076246	29.4231279941147636	2849.2296172636384	2849.7638748322646	79.701744837926	73.5841182149095
528	214	158148	-23121.14133	93297.7170250766	39.4371812180516	-00.8812635	338099.638008543	43669.81193976712	3061.177625909177	29.42146942625177	2847.392487	2848.27766958116	74.0204594819476	73.1392776333186
529	214	158149	-22461.14133	93297.7170250766	39.43718278	-00.8789279	338300.651546355	43669.7714831783	3059.731225791763	29.42031087925748	2845.220937106151	2846.030503252007	74.8714716842369	73.6645604007409
530	214	158150	-21801.14133	93297.7170250766	39.4371842622322	-00.8765924	338501.6649038004	43669.73581124914	3057.281487894507	29.41785809275467	2842.752966278917	2842.915615571153	75.260840287204	75.073046961074
531	214	158151	-21141.14133	93297.7170250766	39.4371857036508	-00.8742568	338702.6781158243	43669.6955040824	3056.591304763434	29.416265045388163	2839.6810523074095	2838.7287191964097	75.939930807683	76.5362642406642
532	214	158152	-20481.14133	93297.7170250766	39.43718716291331	-00.8719213	338903.6911712965	43669.6547088594	3054.657191737278	29.414339771226714	2836.199107489235	2836.2367554524104	78.3406791234655	78.3473168846104
533	214	158153	-19821.14133	93297.7170250766	39.4371886237654	-00.8695784	339104.7048702938	43669.6153827619	3053.016614577889	29.4124116219449	2832.958219833893	2831.472112358592	78.40094859	78.40094859
534	214	158154	-19161.14133	93297.7170250766	39.43718982858174	-00.8672502	339305.718613035	43669.57119677887	3050.7607905903307	29.4107289584488	2829.485224339309	2829.424202201986	81.58906515	81.6500734645972
535	214	158155	-18501.14133	93297.7170250766	39.43719118012514	-00.8649146	339506.723997109	43669.534562991	3048.7628619015318	29.4093130470151584	2826.987403276197	2827.054918419475	82.3364333	82.27612688206234
536	214	158156	-17841.14133	93297.7170250766	39.43719242227677	-00.8625791	339707.7418305393	43669.494746122	3046.74963828205	29.40758013112247	2825.259379420737	2825.229363452803	82.1186751741322	82.3486496639663
537	214	158157	-17181.14133	93297.7170250766	39.4371939311126	-00.8602435	339908.7541051124	43669.454665013	3044.716533548787	29.405814738266945	2824.0487458313273	2823.99266247717	80.91768898	81.82207058
538	214	158158	-16521.14133	93297.7170250766	39.43719471229166	-00.8579708	340109.7662254447	43669.4138118315	3042.68339081552	29.40400021185875	2823.126734555443	2823.968274848407	80.91328663	80.99319370106832
539	214	158159	-15861.14133	93297.7170250766	39.43719587803536	-00.8556724	340310.7781698395	43669.3719236294	3040.381816373739	29.402551768080412	2822.3682549869208	2822.983537122048	79.85935737122048	79.85935737122048
540	214	158160	-15201.14133	93297.7170250766	39.4371969397153	-00.8533299	340511.7899940027	43669.3314109674	3037.81193402142	29.400339023078	2821.658411	2821.6033962178195	78.8605258	78.8605258
541	214	158161	-14541.14133	93297.7170250766	39.43719826353676	-00.8509103	340712.8105463837	43669.29350144887	3035.2420413091123	29.39865956862461	2820.968784197547	2820.947510514882	77.79717244270667	77.79717244270667
542	214	158162	-13881.14133	93297.7170250766	39.437199627735245	-00.8485568	340914.8131540532	43669.2513961801	3032.672142678013	29.39682902520493	2819.96296086884	2819.962973520493	76.8659274939114	76.77178671770325
543	214	158163	-13221.14133	93297.7170250766	39.43719985407035	-00.8462302	341114.824996507	43669.2136348283	3030.619968219663	29.39450821911816	2818.718142780314	2818.7824430317987	76.400766247861	76.2757638
544	214	158164	-12561.14133	93297.7170250766	39.4372007352889	-00.8438947	341315.8356910376	43669.1743791926	3028.08516756605	29.39260796416237	2817.12404659805	2816.95763983693	76.1352748681863	76.30243365815543
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546	214	158166	-11241.14133	93297.7170250766	39.4372023237664	-00.8392226	341717.857119227	43669.091282943	3023.016614577889	29.389712607195	2813.71242119449	2813.472112358592	76.2404946893232	76.2404946893232
547	214	158167	-10581.14133	93297.7170250766	39.43720310248543	-00.836888	341918.8684419075	43669.053200722	3020.358481223079	29.387978234334	2812.029155210313	2810.527974761414	75.9089610228031	75.9208336222023
548	214	158168	-9921.141327	93297.7170250766	39.43720380997644	-00.8345525	342119.870185305	43669.012851121	3025.576991154713	29.38624536973927	2810.8054512949103	2810.9054958753487	75.4470711428911	75.3691241190405
549	214	158169	-9261.141327	93297.7170250766	39.4372046463332	-00.8322168	342320.884911442	43669.0732992323	3023.08516756605	29.38480756134367	2809.952635285903	2809.952635285903	74.784136	74.63905688335572
550	214	158170	-8601.141327	93297.7170250766	39.43720507515237	-00.8298814	342521.8919712456	43668.932540356	3026.01391016715	29.38205843763166	2808.722304424243	2808.955233938327	74.6812799520739	73.96526044
551	214	158171	-7941.141327	93297.7170250766	39.4372059405487	-00.8274598	342722.909830047	43668.8925400551	3024.174326181331	29.381254377229324	2807.5035775061915	2807.770637	73.7507972304093	73.84370141827264
552	214	158172	-7281.141327	93297.7170250766	39.4372061604079	-00.8252103	342923.9195905377	43668.851259157	3022.270598586749	29.37958892705438	2806.4283688185246	2806.4283688185246	73.6845159052427	73.6845159052427
553	214	158173	-6621.141327	93297.7170250766	39.43720698303105	-00.8228747	343124.9048781877	43668.811939294	3020.358481223079	29.3782316862394	2805.28168290349	2805.28168290349	73.6098968329	73.6098968329
554	214	158174	-5961.141327	93297.7170250766	39.437207806284	-00.820353	343329.93068237	43668.772048919	3018.472173392624	29.3767519254334	2804.221552054884	2804.2188842229416	73.0304173947009	73.0304173947009
555	214	158175	-5301.141327	93297.7170250766	39.43720745	-00.8182036	343526.9487770025	43668.731259423	3016.628083501623	29.37457889007148	2803.056546311917	28		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
23	215	158383	-356421.1413	933637.3170250766	39.432434097103395	-102.060678.18	236567.4322844372	436923.515060635	3893.44727292006	3684.1420792837635	3608.9710774465398	3608.1213654705207	85.17100183722368	86.02071381324276
24	215	158384	-355671.6141	933637.3170250766	39.432467437112965	-102.0583637	236758.5117405672	436923.515060635	3893.2745880137195	3687.911351000074	3607.1484845515328	3605.0859917191287	85.7150148474562	87.8217592894512
25	215	158385	-355141.1413	933637.3170250766	39.4324891725417804	-102.0561015	236897.69680276754	436923.515060635	3893.1017487320921	3685.448468185165	3605.4465344657971	3605.83396119026294	85.83396119026294	88.23921960546562
26	215	158386	-354441.1413	933637.3170250766	39.43251598241638	-102.0536623	2371.7801708537	436923.515060635	3892.9280044756384	3680.464175434356	3604.2557607208953	3605.76057687961	85.90644671464031	90.7038106
27	215	158387	-353781.1413	933637.3170250766	39.43254017813017	-102.0513311	2373.719062740842	436923.515060635	3890.9625507573796	3689.248173330653	3603.474732097687	3597.2445724043866	85.77340520591815	92.0035649291871
28	215	158388	-353121.1413	933637.3170250766	39.43256345	-102.0489959	2375.0731215270943	436923.7190385912	3887.2039195261075	3688.036550830771	3602.47820613432	3595.3788974671	85.75581302173391	92.65367336
29	215	158389	-352461.1413	933637.3170250766	39.4325884178163	-102.0466607	2377.41171259463	436923.7190385912	3883.4444444444444	3686.829546428045	3601.497123988513	3595.1715468705825	85.3324246919781	91.6579959326655
30	215	158390	-351801.1413	933637.3170250766	39.43261231355922	-102.0444235	2379.52950403263	436923.690668667	3878.650050571681	3685.627059485573	3600.411181	3588.7095804751246	85.2156428093947	86.9172119143727
31	215	158391	-351141.1413	933637.3170250766	39.43263695584322	-102.0418893	2381.76372080254	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
32	215	158392	-350481.1413	933637.3170250766	39.4326595320977	-102.0396515	2383.774931630203	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
33	215	158393	-349821.1413	933637.3170250766	39.432684469470715	-102.0373199	2385.783869565337	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
34	215	158394	-349161.1413	933637.3170250766	39.4327038562603	-102.0349847	2387.79255533757	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
35	215	158395	-348501.1413	933637.3170250766	39.43272322067567	-102.0326495	2389.8041886507	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
36	215	158396	-347841.1413	933637.3170250766	39.432756	-102.0303143	2391.8195765905312	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
37	215	158397	-347181.1413	933637.3170250766	39.43277975545777	-102.0279791	2393.931073171812	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
38	215	158398	-346521.1413	933637.3170250766	39.43280464119013	-102.0256439	2395.84188429067	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
39	215	158399	-345861.1413	933637.3170250766	39.43282712781662	-102.0233087	2397.85304270466	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
40	215	158400	-345201.1413	933637.3170250766	39.43285075	-102.0209734	2399.864187167127	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
41	215	158401	-344541.1413	933637.3170250766	39.432874319751875	-102.0186382	2401.875326462535	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
42	215	158402	-343881.1413	933637.3170250766	39.432897848060534	-102.016303	2403.884647474904	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
43	215	158403	-343221.1413	933637.3170250766	39.4329132126315	-102.0139678	2405.89846268293	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
44	215	158404	-342561.1413	933637.3170250766	39.43294476935959	-102.0116326	2407.907465355191	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
45	215	158405	-341901.1413	933637.3170250766	39.4329762635011	-102.0093825	2409.91630673218	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
46	215	158406	-341241.1413	933637.3170250766	39.43299511023436	-102.0069261	2411.93110254862	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
47	215	158407	-340581.1413	933637.3170250766	39.43301481301238	-102.0046289	2413.94214647326	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
48	215	158408	-339921.1413	933637.3170250766	39.43303807668151	-102.0022917	2415.9532683184254	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
49	215	158409	-339261.1413	933637.3170250766	39.43306128324963	-101.9999565	2417.96430261004	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
50	215	158410	-338601.1413	933637.3170250766	39.43308445070875	-101.9976212	2419.97515443244	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
51	215	158411	-337941.1413	933637.3170250766	39.43310757308149	-101.9952858	2421.98603263027	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
52	215	158412	-337281.1413	933637.3170250766	39.4331306757077	-101.9929508	2423.99714855207	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
53	215	158413	-336621.1413	933637.3170250766	39.433153662447575	-101.9906158	2426.008448228168	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
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55	215	158415	-335301.1413	933637.3170250766	39.43319961140758	-101.9859451	2430.0031084757957	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
56	215	158416	-334641.1413	933637.3170250766	39.4332225022768	-101.9836099	2432.00421191586451	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
57	215	158417	-333981.1413	933637.3170250766	39.4332453994115	-101.9812746	2434.005295048494	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
58	215	158418	-333321.1413	933637.3170250766	39.43326829514789	-101.9789384	2436.006439637218	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
59	215	158419	-332661.1413	933637.3170250766	39.43329128024789	-101.9766041	2438.0075460272699	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
60	215	158420	-332001.1413	933637.3170250766	39.43331344441114	-101.9742698	2440.008659148033	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
61	215	158421	-331341.1413	933637.3170250766	39.43333631572747	-101.9719337	2442.009788186729	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
62	215	158422	-330681.1413	933637.3170250766	39.43335984	-101.9695984	2444.010746242504	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
63	215	158423	-330021.1413	933637.3170250766	39.433382255297955	-101.9672632	2446.0118695905135	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
64	215	158424	-329361.1413	933637.3170250766	39.4334045894255	-101.9649279	2448.0135144444444	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
65	215	158425	-328701.1413	933637.3170250766	39.43342690545865	-101.962584	2450.0151960307138	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
66	215	158426	-328041.1413	933637.3170250766	39.43344926155546	-101.9602574	2452.0173115960325	436923.690668667	3878.4729817013757	3684.617894185273	3600.411181	3587.72681745251	85.15815815815815	87.4259272884481
67	215	158427	-327381.1413	933637.3170250766	39.43347139619996	-101.9579222	2454.01619453371	436923.690668667	3878.472981701375					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
149	215	158509	-272361.1413	933637.3170250766	39.43515474572987	-101.7664269	261906.42516801384	438870.2683540639	3567.2007251669397	3487.487608157169	3354.4853098969537	3434.9213493897445	343.9229919201536	63.55625879742456
150	215	158510	-272601.1413	933637.3170250766	39.435173402344894	-101.7640419	262107.51280625094	438871.7658603048	3650.194440054544	3496.706512509216	3353.317350462267	344.3236112675448	63.62778112534469	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
25	175	158635	-190101.1413	933637.3170250766	39.4371502244458	-101.4721629	287241.68449714995	4388206.138795939	4678.47848226297	3306.1803986963765	3192.740431549187	3190.2025363810053	413.43969711456339	115.9778622874526
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281	215	158641	-186141.1413	933637.3170250766	39.43722738225749	-101.45815	288449.0320798361	4388181.71841061	3443.401330989289	3296.606798871311	3177.853655246782	3172.606728448371	418.8073146227384	124.0540614252795
282	215	158642	-185481.1413	933637.3170250766	39.43724008402635	-101.4558145	288648.0978111097	4388177.649098098	3294.2037084421	3296.1306834546777	3175.0250692703016	3173.30664650657	420.1056142765703	124.001188962025
283	215	158643	-184821.1413	933637.3170250766	39.43725274068981	-101.453479	288850.15897290016	4388173.978841212	3452.7319821421	3302.643229746667	3188.21241094838	3181.323212383838	411.73903498441169	121.621113584992
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303	215	158663	-171621.1413	933637.3170250766	39.43749678973037	-101.4067885	292871.2678156781	4388092.02561845	3388.127862748577	3265.499756982494	3184.981721083176	3184.981721083176	420.061460836968	126.2550096046243
304	215	158664	-170961.1413	933637.3170250766	39.43750891697835	-101.4044334	293072.7330927184	4388088.175648103	3387.3177882112	3264.67223757407	3183.821071956013	3183.821071956013	420.061460836968	126.2550096046243
305	215	158665	-170301.1413	933637.3170250766	39.4375197311155	-101.4020979	293273.3840558177	4388084.11043067	3389.508083417027	3262.804302105043	3176.66274072983	3176.66274072983	420.061460836968	126.2550096046243
306	215	158666	-169641.1413	933637.3170250766	39.43753139212866	-101.3997624	293474.4373579166	4388076.4463924	3387.698183430676	3261.454769415183	3169.0263450509703	3176.66274072983	420.061460836968	126.2550096046243
307	215	158667	-168981.1413	933637.3170250766	39.43754296603256	-101.3974269	293675.49008311	4388070.98245088	3386.893497484348	3260.103270460542	3163.017074069486	3176.66274072983	420.061460836968	126.2550096046243
308	215	158668	-168321.1413	933637.3170250766	39.437554484821725	-101.3950914	293876.5443877509	4388071.91843292	3387.09547383265	3258.7486495743296	3157.67129696727	3166.30479019025	420.061460836968	126.2550096046243
309	215	158669	-167661.1413	933637.3170250766	39.43756588	-101.3927568	294077.596729155	4388067.45484179	3387.296939523321	3257.9898586528	3155.08319639139	3152.208998798076	420.061460836968	126.2550096046243
310	215	158670	-167001.1413	933637.3170250766	39.43757741753896	-101.390423	294278.64972872	4388063.1061148	3387.49424261807	3256.9253039212	3162.5635232172905	3154.9633585860704	420.061460836968	126.2550096046243
311	215	158671	-166341.1413	933637.3170250766	39.43758988	-101.388048	294478.707847183393	4388058.42509647	3386.6542509647	3254.67223757407	3164.6849689617636	3144.9856897839276	420.061460836968	126.2550096046243
312	215	158672	-165681.1413	933637.3170250766	39.43760015882606	-101.3857493	294680.5741030606	4388055.66414239	3384.39797006043	3253.28194164547	3164.451573261552	3142.226605715603	420.061460836968	126.2550096046243
313	215	158673	-165021.1413	933637.3170250766	39.4376114620396	-101.3834138	294881.8061579128	4388051.601614325	3383.930517602408	3251.90055426098	3143.02371551148	3140.071032065805	420.061460836968	126.2550096046243
314	215	158674	-164361.1413	933637.3170250766	39.4376227120138215	-101.3810783	295082.85801077564	4388047.53862074	3383.4603451812327	3250.513609205654	3142.40909892325	3138.58752194731	420.061460836968	126.2550096046243
315	215	158675	-163701.1413	933637.3170250766	39.43763393	-101.3787428	295283.90662396	4388043.476315639	3383.03316671641	3249.13280839867	3142.3774016574	3138.58752194731	420.061460836968	126.2550096046243
316	215	158676	-163041.1413	933637.3170250766	39.4376451	-101.3764072	295484.9611129778	4388039.413795022	3382.43132092658	3247.722607117337	3142.3774016574	3138.58752194731	420.061460836968	126.2550096046243
317	215	158677	-162381.1413	933637.3170250766	39.43765672374367	-101.374072	295686.034284252	4388035.193184252	3381.9848914315	3246.7982369348	3142.3774016574	3138.58752194731	420.061460836968	126.2550096046243
318	215	158678	-161721.1413	933637.3170250766	39.43766731381524	-101.3717362	295887.06341185037	4388031.289911205	3380.954252045184	3244.954252045184	3142.3774016574	3138.58752194731	420.061460836968	126.2550096046243
319														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatThtLogKrg.ft	SatThtBoth.ft
401	215	158761	-106941.1413	933637.3170250766	39.43842947209104	-101.778857	31275.62160106073	4367694.86646671	327262422265485	3126.0834058852004	3046.0013180083536	3046.1791371374337	80.0802257746654	79.9042327027669
402	215	158762	-106281.1413	933637.3170250766	39.43843675999105	-101.775502	31274.65653114184	4367692.321736814	3272599253619524	3118.121206388032	3044.299725947304	3044.499494438119	79.93147709326831	79.687117194922706
403	215	158763	-105621.1413	933637.3170250766	39.43844040277443	-101.732146	31285.6917280629	4367686.7737218408	3284544563402018	3110.7038346469914	3041.369103040966	3041.583676162897	80.30282778514554	80.687716181567903
404	215	158764	-104961.1413	933637.3170250766	39.43845120044118	-101.708732	31275.75824205323	4367680.723502473	32716209511862002	3120.5947929448123	3038.389841046432	3038.677958600316	81.96555198340185	81.67678343409646
405	215	158765	-104301.1413	933637.3170250766	39.438458325962127	-101.685434	31337.76022324042	4367678.68896791	32087966671206387	3118.4320614741237	3035.5392956902556	3035.804614873077	82.8927657836807	82.6277466011908
406	215	158766	-103641.1413	933637.3170250766	39.43845846042471	-101.662079	313578.79442191066	4367674.4451485725	3207723621105873	3116.504208868854	3032.6719971057835	3032.9394525662304	83.63203278	83.04969522465502
407	215	158767	-102981.1413	933637.3170250766	39.43847252274146	-101.638723	3137179.8283482141	4367670.601504266	31954733581766534	3114.5715227046023	3029.955851686251	3029.330146027361	84.34595710122412	84.239673668
408	215	158768	-102321.1413	933637.3170250766	39.43847539941525	-101.615367	313980.8627243766	4367665.050650475	31962145381710554	3112.637975419304	3027.984828353236	3027.381301459875	85.34969259371125	85.2536736915889
409	215	158769	-101661.1413	933637.3170250766	39.43848651022489	-101.592013	314181.8959	4367658.14839036	31965018302470472	3110.7038346469914	3024.3811826289374	3024.6968411809314	86.3221937526878	86.1771752657603
410	215	158770	-101001.1413	933637.3170250766	39.43849343899153	-101.568656	314382.5924	4367654.17801834	3193.780662525304	3108.767347017135	3021.632898422513	3021.909861985467	87.1334495192544	86.8574850819813
411	215	158771	-100341.1413	933637.3170250766	39.4385003084142	-101.5453	314583.9626842785	4367654.428789724	3190.38196953056	3108.826761288721	3018.84528829879	3019.35167047048	87.98342736002401	87.47715561467326
412	215	158772	-99681.1413	933637.3170250766	39.43850751575459	-101.521944	314784.9957919444	4367650.368358687	3184.7654005045982	3104.8864027852314	3017.102150980105	3017.2440014565663	87.78425180512659	87.64204131966517
413	215	158773	-99021.1413	933637.3170250766	39.438513949191005	-101.498589	314986.02871860354	4367646.34384597	3181.351107414047	3102.839687667513	3016.0402491887247	3016.075204809005	88.96764052875078	88.76604257805078
414	215	158774	-98361.1413	933637.3170250766	39.4385206959603	-101.475233	315187.0614643118	4367642.301736082	3175.3368609443823	3100.983835498845	3016.327366206912	3015.97417905544	84.66646954297266	85.01841784434055
415	215	158775	-97701.1413	933637.3170250766	39.43852378073486	-101.451877	315388.0949253229	4367638.259732239	3170.5343041313627	3099.051323632127	3018.6150526698916	3018.9187406897482	80.84993169466444	80.84993169466444
416	215	158776	-97041.1413	933637.3170250766	39.438534053342835	-101.428251	315589.1261317573	4367634.21781406	3170.140091967073	3097.1116111089123	3019.891230209844	3019.720387189276	72.12148717892786	72.38224293038779
417	215	158777	-96381.1413	933637.3170250766	39.43854064462045	-101.405185	315790.1587180131	4367630.17637593	3169.745842842826	3096.174026918793	3018.460569145426	3018.4556488	67.17345998	67.006338
418	215	158778	-95721.1413	933637.3170250766	39.43854723052446	-101.38181	315991.1907216986	4367626.135	3169.351593018575	3093.2734622247	3018.817384	3019.03267590754	74.42028901	67.3664905127662
419	215	158779	-95061.1413	933637.3170250766	39.43855351440002	-101.358454	316192.22586438	4367622.09376478	3174.2541608171926	3091.30158949349	3020.110331040483	3020.1367373258818	71.19125845297594	67.16884261758701
420	215	158780	-94401.1413	933637.3170250766	39.43856026272738	-101.335098	316393.254510667	4367618.05276615	3181.435458119676	3089.346095103645	3019.268722914851	3019.3845015682212	70.0961821887357	70.1048824078331
421	215	158781	-93741.1413	933637.3170250766	39.43856665792058	-101.311742	316594.285736772	4367614.010201316	3189.652099302344	3087.427096640235	3017.30224258682	3017.6302048209592	70.1248541089245	71.56501187
422	215	158782	-93081.1413	933637.3170250766	39.43857303445576	-101.288387	316795.371042115	4367609.97144349	3191.52315992702	3085.48232036989	3015.35784387816	3015.862780103024	70.130387911924	70.50509729168678
423	215	158783	-92421.1413	933637.3170250766	39.4385793833086	-101.265011	316995.738114009	4367605.420697845	3213.5652789168682	3077.7831963847144	3008.982951094592	3009.18311155237623	64.8383917881738	64.8383917881738
424	215	158784	-91761.1413	933637.3170250766	39.4385855925489	-101.241675	317197.39116455	4367601.89020596	3205.9221942118413	3085.010562711848	3013.042037155951	3012.823147130937	65.5620551958985	68.98211558115418
425	215	158785	-91101.1413	933637.3170250766	39.438591929479195	-101.218319	317398.40886286	4367597.85066597	3205.23684503386	3079.6622050138694	3012.16439553833	3011.6798686705807	67.9832363831367	67.9832363831367
426	215	158786	-90441.1413	933637.3170250766	39.43859813457657	-101.194963	317599.4047721475	4367593.81217535	3206.558062655565	3077.782204629003	3011.31306759566	3010.14342886295	66.40515279	67.3700757660513
427	215	158787	-89781.1413	933637.3170250766	39.43860425455703	-101.171608	317800.470889908	4367589.7316734065	3208.4783915256968	3075.777173923737	3010.2873791907336	3010.10475182627	65.4903220164004	65.63027669079097
428	215	158788	-89121.1413	933637.3170250766	39.43861040942058	-101.148252	318001.5011245605	4367585.73234139	3210.25889464174	3073.846522729324	3009.114529863007	3008.5815263937	64.719303092565	65.2649648
429	215	158789	-88461.1413	933637.3170250766	39.438616479167074	-101.124871	318199.738114009	4367583.420697845	3215.5652789168682	3077.7831963847144	3008.982951094592	3009.18311155237623	64.8383917881738	64.8383917881738
430	215	158790	-87801.1413	933637.3170250766	39.43862252037966	-101.101454	318403.1560306276	4367577.654020131	3216.109520477719	3070.016925041064	3005.294274454054	3005.677562454054	63.77551060871144	64.7561060871144
431	215	158791	-87141.1413	933637.3170250766	39.4386284330925	-101.078184	318604.590724367	4367573.15546037	3216.794591852638	3068.12242110109	3004.762571826005	3003.75344851245	63.5954528280854	64.5470762386934
432	215	158792	-86481.1413	933637.3170250766	39.43863441770487	-101.054828	318805.620287505	4367569.57026443	3216.794591852638	3066.243774819666	3003.762571826005	3002.0323415013218	62.98135641453291	64.2113082406484
433	215	158793	-85821.1413	933637.3170250766	39.43864031	-101.031473	319006.649	4367565.538177133	3216.794591852638	3064.379495662893	3001.457518392425	3000.308470912895	62.92196118334866	64.071006949994
434	215	158794	-85161.1413	933637.3170250766	39.438646151145086	-101.008117	319207.678054937	4367561.500801892	3213.2748749231367	3062.5301976503917	2999.6807065320628	2998.6761861189563	62.8426781315433634	63.8625811315433634
435	215	158795	-84501.1413	933637.3170250766	39.4386519501897	-100.984781	319408.707397259	4367557.462696281	3212.2234127070054	3060.70050453919	2997.726347256067	2996.9341133664043	63.76590486751457	63.76590486751457
436	215	158796	-83841.1413	933637.3170250766	39.43865791791172	-100.961405	319609.738114009	4367553.420697845	3211.285315	3059.894547482525	2997.7831963847144	2997.7831963847144	63.4450934303006	63.4450934303006
437	215	158797	-83181.1413	933637.3170250766	39.43866334125272	-100.938049	319801.765259578	4367549.387501543	3207.712748492357	3057.1150549514823	2994.294212390038	2994.18327224423	62.80982456144425	62.93172773
438	215	158798	-82521.1413	933637.3170250766	39.43866907662114	-100.914963	320011.7379249274	4367545.35021117	3209.400141199701	3055.305159518215	2992.5254029768043	2992.365543240333	63.531129750178	62.9949727114857
439	215	158799	-81861.1413	933637.3170250766	39.438674695197534	-100.891337	320212.822014927	4367541.31312529	3208.524671476287	3053.631809464327	2990.894327649655	2990.528439687625	62.822376699631484	63.10236895554857
440	215	158800	-81201.1413	933637.3170250766	39.4386802685681	-100.867982	320413.85012928117	4367537.27624472	3207.683875927746	3051.929705573627	2989.05056889108	2988.520895281638	62.874686825466	63.0489894704821
441	215	158801	-80541.1413	933637.3170250766	39.438686579699025	-100.844626	320614.8780836258	4367533.269385815	3206.796387677301	3050.2548387485286	2989.4202113011608	2989.4202113011608	62.84427447366124	63.7393499683817
442	215	158802	-79881.1413	933637.3170250766	39.43869126021411	-100.82172	320815.9053521804	4367529.20309772	3206.03272426829	3048.606539	2988.57600461884	2988.94958760407	60.0305257141579	59.9117732986897
443	215	158803	-79221.1413	933637.3170250766	39.43869693695854	-100.799011	321017.036912031	4367525.148497358	3205.14440387519	3046.863871056182	2987.6770561823	2987.6770561823	61.30821144481813	61.30821144481813
444	215	158804	-78561.1413	933637.3170250766	39.438700211123201	-100.774558	321217.960353027	4367521.130769789	3201.815073	3045.39854810386	2985.644711413997	2985.644711413997	60.9457635365516	60.1458187274851
445	215	158805	-77											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
527	215	158887	-23781.14133	933637.3170250766	39.43899245044211	-100.8836011	37902.6475597364	367491.8650747939	49747.146803487	2302.0767195911394	2852.584329389354	2853.888694094335	40249390.2017858	69.1878054180444
528	215	158888	-23721.14133	933637.3170250766	39.4389945356665	-100.8812651	3809.382546746903	43671.8217855291	3058.362584746903	2921.36705284746903	2850.2108740238855	2851.553542130819	71.1461785634607	69.80351045661246
529	215	158889	-23661.14133	933637.3170250766	39.43899661197304	-100.878929	38304.674411348	43671.54705348929	3048.267625464974	2919.3592816000203	2871.85369811225	2849.681274071348	70.9371410384683	69.70371410384683
530	215	158890	-21801.14133	933637.3170250766	39.438997124462375	-100.8765943	33805.68749611545	3671.157704719059	3507.1527704476003	2917.910847625681	2845.493740214545	2847.274682033241	71.14710360435344	72.1833783435905
531	215	158891	-22141.14133	933637.3170250766	39.4389989223372	-100.8742587	33876.7004942247	43671.706776	3055.760772	2916.183216350598	2842.244027800129	2842.2415713272245	73.9428303346913	73.96804120784373
532	215	158892	-20481.14133	933637.3170250766	39.43899100488738	-100.8719231	338907.173335673	43671.766134278	3054.09156606923	2914.451794900493	2838.103650912816	2838.00149268875	76.34811439	76.450321173556
533	215	158893	-19821.14133	933637.3170250766	39.43900139242335	-100.8699875	33918.7620620481	43671.76247915	3052.4223614430957	2912.7160883012823	2833.9819182163824	2833.9819182063404	73.79409009147008	73.79409009147008
534	215	158894	-19611.14133	933637.3170250766	39.4390027484161	-100.867218	33939.7384537265	43671.5812280858	3050.751562790453	2910.9751158911563	2830.1567904537	2830.362875217568	80.67354917008	80.67354917008
535	215	158895	-18501.14133	933637.3170250766	39.43899461214214	-100.8648167	33950.1759922469	43671.54705348929	3048.267625464974	2919.3592816000203	2871.85369811225	2849.681274071348	81.3722924679625	81.3722924679625
536	215	158896	-17841.14133	933637.3170250766	39.43900524325004	-100.8625806	33971.773138676	43671.506890219	3049.93576849929	2907.467250072155	2826.644499757095	2826.51246574008	80.67354917008	80.67354917008
537	215	158897	-17181.14133	933637.3170250766	39.439006139012	-100.860245	33971.7752000564	43671.467103757	3044.9532438514943	2905.6983584899418	2825.930322770319	2825.664381296293	80.67354917008	80.67354917008
538	215	158898	-16521.14133	933637.3170250766	39.4390076033375	-100.8579904	34011.71870591195	43671.4265419103	3047.967120053603	2903.91841071208	2825.03632948048	2825.04496824503	78.8825113231069	78.8825113231069
539	215	158899	-15861.14133	933637.3170250766	39.439008710167265	-100.8555738	340314.7988563446	43671.436754245	3040.6805124872394	2902.134105425206	2824.2894743092653	2824.2894743092653	77.8419683600531	77.8419683600531
540	215	158900	-15201.14133	933637.3170250766	39.4390097187925	-100.8532382	340515.8104518465	43671.34121106973	3038.093421323283	2900.336274064599	2823.358758575045	2823.358758575045	76.819574909561	76.819574909561
541	215	158901	-14541.14133	933637.3170250766	39.43901078473524	-100.8509026	340516.8121892554	43671.304048706	3035.0563300132843	2898.533696351436	2822.2996719460734	2822.2996719460734	76.23401868807014	76.23401868807014
542	215	158902	-13881.14133	933637.3170250766	39.4390117595906	-100.848567	34097.81831785972	43671.2658883358	3032.919238785377	2896.72442192873	2821.17274611973	2821.087849190134	75.515673137281	75.515673137281
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547	215	158907	-10581.14133	933637.3170250766	39.43901594	-100.8368889	341922.887396503	43671.06511734016	3026.287097569424	2887.81038483593	2812.13567082927	2812.13567082927	75.56726546605	75.56726546605
548	215	158908	-9891.14133	933637.3170250766	39.4390166113747	-100.8345533	342123.8978	43671.024695338	3026.187900519036	2886.129640954697	2810.1222705576906	2811.0222705576906	75.10596156837528	75.10596156837528
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551	215	158911	-7941.14133	933637.3170250766	39.43901784291605	-100.8275465	342726.9279241525	43671.04357272741	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
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554	215	158914	-5961.14133	933637.3170250766	39.4390198864066	-100.820537	343329.957126368	43671.04357272741	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
555	215	158915	-5301.14133	933637.3170250766	39.4390203286286	-100.8182041	343539.957126368	43671.04357272741	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
556	215	158916	-4641.14133	933637.3170250766	39.4390207250766	-100.8158654	343752.1264752829	43671.04357272741	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
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564	215	158924	638.85673073514	933637.3170250766	39.43902171764796	-100.7971836	345340.2402870401	43671.06732822033	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
565	215	158925	1298.85673073514	933637.3170250766	39.43902165141656	-100.794848	345551.050670352	43671.06732822033	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
566	215	158926	1958.85673073514	933637.3170250766	39.439021540067436	-100.7925124	345742.0582937964	43671.06732822033	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
567	215	158927	2618.85673073514	933637.3170250766	39.4390213860057	-100.7901768	345943.0657814386	43671.06732822033	3025.988475173536	2882.8224198862	2809.01025303287	2809.01025303287	73.82606539417	73.82606539417
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571	215	158931	5258.85673073514	933637.3170250766	39.4390203655567	-100.7808343	346747.042045798	43671.067328						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f.t	BRIElevBothK.f.t	SatHt1Km.f.t	SatHtBoth.f.t		
63	215	190013	59376.8586730335	93.93637	3170250766	39.438839142209154	-00.5893148	363229.1732223962	44.9668205705103943	2884.79012810409694	2620.789896299492	2638.3916666531313	2655.058628717803	34.1121197817696	37.6443157686889
654	215	190014	60038.8586730335	93.93637	3170250766	39.43883506050934	-00.5869782	363430.1684905332	43.96667810618478	2890.8657963086377	2636.259519502736	2635.576205616935	2640.6006753696417	37.289971474994246	39.0835167376859
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656	215	190016	61358.8586730335	93.93637	3170250766	39.438826761757596	-00.582308	363832.1586396353	43.96667019514941	2876.7875345152447	2637.247762525706	2631.697156233087	2640.5510248	37.4076193282944	39.0835167376859
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658	215	190018	62678.8586730335	93.93637	3170250766	39.43881826253636	-00.5776368	364234.1482524462	43.96662111092167	2869.3851255944302	2627.723716548238	2639.416934393625	2640.7356402791083	37.4076193282944	39.0835167376859
659	215	190019	63338.8586730335	93.93637	3170250766	39.43881397524973	-00.5753012	364435.1428658436	43.966661819687345	2867.326093923219028	2628.81945293	2638.61926584377	2640.7356402791083	37.4076193282944	39.0835167376859
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674	215	190034	73238.8586730335	93.93637	3170250766	39.43874391871004	-00.5402673	367450.0465843693	43.966622.1987101	2844.74067318921	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
675	215	190035	73898.8586730335	93.93637	3170250766	39.43873891270786	-00.5379361	367651.030914715	43.966622.1987101	2842.651423225697	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
676	215	190036	74558.8586730335	93.93637	3170250766	39.4387338442752	-00.5355992	367852.03161111055	43.966622.1987101	2840.561928437	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
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680	215	190040	77198.8586730335	93.93637	3170250766	39.4387130113435	-00.5262538	368656.00040275516	43.966622.1987101	2832.15072429244	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
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682	215	190042	78518.8586730335	93.93637	3170250766	39.4387025455261	-00.5215826	369056.00040275516	43.966622.1987101	2827.97136703737	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
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684	215	190044	79838.8586730335	93.93637	3170250766	39.438691696678	-00.5169114	369459.0664570886	43.966622.1987101	2823.791574570757	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
685	215	190045	80498.8586730335	93.93637	3170250766	39.43866149632076	-00.5145759	369659.05747700725	43.966622.1987101	2821.70193833833	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
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689	215	190049	83138.8586730335	93.93637	3170250766	39.43864777122386	-00.5052307	370464.921658173	43.966622.1987101	2813.3401915871677	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
690	215	190050	83798.8586730335	93.93637	3170250766	39.4386407120231	-00.5028979	370665.91232466384	43.966622.1987101	2811.25946428529	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
691	215	190051	84458.8586730335	93.93637	3170250766	39.43863520165154	-00.5005623	370866.9026675251	43.966622.1987101	2809.17599342227	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
692	215	190052	85118.8586730335	93.93637	3170250766	39.438645620410984	-00.4982268	371067.938286361	43.966622.1987101	2807.104319209707	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
693	215	190053	85778.8586730335	93.93637	3170250766	39.43864082739795	-00.4959812	371268.88385157885	43.966622.1987101	2805.0236932497	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
694	215	190054	86438.8586730335	93.93637	3170250766	39.43863479635158	-00.4936854	371469.8735313817	43.966622.1987101	2802.95129328598	2610.35173172291	2610.35173172291	2638.61926584377	37.4076193282944	39.0835167376859
695	215	190055	87098.8586730335	93.93637	3170250766	39.4386287822416	-00.4913888	371690.8735313817	43.966						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLgsKrg.ft	BRIEVBthKrg.ft	SatHtLgsKrg.ft	SatHtBthKrg.ft
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40	216	159140	-345201.1413	93429.37170250766	39.43466342210055	-102.0210038	239990.5468071675	4396939.768332442	3875.405032712171	3672.67349072264	3572.746838719134	3572.9432747823912	109.32655219310063	108.344116638372601
41	216	159141	-344641.1413	93429.37170250766	39.4346776629911873	-102.0186694	2401.8612629867	4396940.336810787	3871.2238164980824	3671.458623602974	3570.1637404896605	3569.1637404896605	101.5082778123301	109.28322285431791
42	216	159142	-343881.1413	93429.37170250766	39.43471055202975	-102.0163333	240392.7750797362	4396951.708932141	3879.051275050149	3670.243614534346	3569.24105050698	3559.807247818395	101.0003649447556	110.43640005122411
43	216	159143	-343221.1413	93429.37170250766	39.43473400883358	-102.013998	240593.8888261211	4396957.411032488	3879.296875470359	3669.024217728835	3567.383049	3554.690395353148	101.64116921245522	114.522631837568717
44	216	159144	-342561.1413	93429.37170250766	39.43475475430195	-102.0116628	240795.2025627636	4396961.292181871	3877.961195107149	3667.800380694374	3565.533481758814	3550.45331145389026	102.2668983965704	117.76323239539079
45	216	159145	-341901.1413	93429.37170250766	39.43478084111951	-102.0093275	240996.11555694314	4396949.173392526	3876.530075320205	3666.5703075392025	3563.2686627175	3547.188740344143	103.30744126702757	119.38156171950599
46	216	159146	-341241.1413	93429.37170250766	39.43480418960152	-102.0069922	241177.2285391275	4396935.405	3875.294104	3665.3317027025196	3561.260731084238	3546.2418399434333	104.0706969408682	119.0898627898623
47	216	159147	-340581.1413	93429.37170250766	39.4348277629291673	-102.0046668	241388.3412626895	4396940.336810787	3874.6588969576	3664.626162561178	3559.21357148807347	3547.7047043919997	104.8685868816917923	120.25322285431791
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49	216	159149	-339261.1413	93429.37170250766	39.4348736440313	-101.9998963	241800.565941285	4396932.701047085	3868.820399321843	3661.556413258505	3555.0120206957656	3548.260302479556	106.5423060562749	105.6107784624958
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52	216	159152	-337281.1413	93429.37170250766	39.434943332732714	-101.9929805	242403.901470433	4396920.34864506	3863.023486596585	3657.627013894905	3548.815181801246	3555.318244093059	108.813281821934	102.388718829316
53	216	159153	-336621.1413	93429.37170250766	39.43496639596972	-101.9906452	242605.012234488	4396916.21885862	3861.81628279617	3656.260514592391	3546.81852690362	3552.37388784818	109.4419884929599	103.80791580801322
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57	216	159157	-333981.1413	93429.37170250766	39.43505805	-101.981304	243409.5445452524	4396929.76049726	3848.4615	3650.504791628784	3539.5336974526163	3544.19560684858	110.9707817102624	106.308725169986
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61	216	159161	-331341.1413	93429.37170250766	39.43514963355597	-101.9719438	244228.288749170318	4396920.429475641	3837.41439624417	3625.406339817	3524.63983117824	3522.410562719543	112.010562719543	134.7308791245336
62	216	159162	-330681.1413	93429.37170250766	39.4351716306127	-101.9696275	244415.01494055	4396919.184233193	3837.270320254875	3624.994631292528	3529.754445340044	3515.579250484431	112.015845484441	101.4196040818761
63	216	159163	-330021.1413	93429.37170250766	39.43519412331986	-101.9672922	244616.1101439904	4396925.70339305	3835.609375	3621.494634523743	3527.88604304099	3509.731829080841	113.6089182427523	123.710261513338
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65	216	159165	-328701.1413	93429.37170250766	39.43523924030905	-101.9626216	245018.2683657374	4396926.464357274	3831.690071765837	3617.37690383645	3524.010229237656	3504.9805915026234	115.0731369809005	103.3564017626926
66	216	159166	-328041.1413	93429.37170250766	39.4352616666332	-101.9602263	245219.4547739256	4396922.730081157	3829.320	3617.0394161309127	3521.709310704070	3497.91367710771	115.5314850569057	139.1257284014197
67	216	159167	-327381.1413	93429.37170250766	39.435284687653326	-101.9578761	245426.5422710932	4396928.618012888	3828.898494933607	3615.628112252	3519.3828112522	3491.63893170397	116.49085059265	141.7308791245336
68	216	159168	-326721.1413	93429.37170250766	39.43530044336304	-101.9554157	245624.91569470227	4396924.102154468	3825.9913471231	3613.4021552468	3517.14087000905	3514.631541177876	116.93020593285	149.460707655143
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71	216	159171	-324741.1413	93429.37170250766	39.435373241642104	-101.9486097	246224.97025710876	4396922.16181022	3822.744002396816	3609.752550149394	3510.0248518579974	3471.336821321982	119.7348315699605	158.22442487833717
72	216	159172	-324081.1413	93429.37170250766	39.43539541731823	-101.9462744	246426.0763931814	4396922.484879087	3822.582730039863	3628.329717294646	3506.7193048133408	3461.0700848133408	121.6104085133408	158.425448799578
73	216	159173	-323421.1413	93429.37170250766	39.4354175	-101.9438391	246627.1827699265	4396923.53596778	3820.3661001235306	3626.90011235306	3504.07117571052	3467.934232359648	122.09812340722535	155.9315848117582
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75	216	159175	-322101.1413	93429.37170250766	39.43546167370684	-101.9392685	247029.3843789214	4396925.70339305	3808.4742821216546	3624.0916452738572	3498.82558349104	3474.461132855987	122.6969130253799	149.6455418187583
76	216	159176	-321441.1413	93429.37170250766	39.4354836894836	-101.9369331	247230.4997577339	4396921.598748622	3807.449047996524	3622.69298	3496.2704793165617	3482.005649190316	122.4224818456234	104.6872424112953
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78	216	159178	-320121.1413	93429.37170250766	39.435527342106085	-101.9322625	247632.70976507914	4396913.34796133	3794.855268515676	3619.908024	3491.141701718336	3480.9543926502452	128.76632215752397	129.512727625404
79	216	159179	-319461.1413	93429.37170250766	39.43554938402185	-101.9299272	247833.8143939802	4396909.263340154	3791.734117479173	3618.5191579368007	3490.722317118485	3470.722317118485	129.721251761805	129.7200621795551
80	216	159180	-318801.1413	93429.37170250766	39.43557119882679	-101.9275918	248034.91873733043	4396905.152034712	3792.05616025392	3617.130683675016	3492.1429341217477	3487.3257584838	129.74674949575399	124.7934254825633
81	216	159181	-318141.1413	93429.37170250766	39.43559344336304	-101.9252685	248239.49484826	4396907.988518465	3791.41439624417	3615.628112252	3519.3828112522	3491.63893170397	129.7348315699605	149.6455418187583
82	216	159182	-317481.1413	93429.37170250766	39.435614683116186	-101.9229212	248428.127681517	4396916.29339305	3788.672252754342	3614.394351573693	3487.905251737363	3481.994067		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogs.kg.ft	BR ElevLogs.ft	SatHtLogs.ft	SatHtLogs.ft
156	215	159265	-262701.1413	934297.3170250766	39.43726058057131	-101.7290841	26117.900082173	3488856.444464556	3599.6327684184025	373.4969526472427	3333.7328557125143	3283.117131067176	330.75967547284	190.3525214000665
166	216	159266	-262004.1413	934297.3170250766	39.4372751585125	-101.7267487	265328.96458817148	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
167	216	159267	-261381.1413	934297.3170250766	39.43727079986143	-101.7267487	265328.96458817148	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
168	216	159268	-260721.1413	934297.3170250766	39.43731425	-101.7267487	265328.96458817148	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
169	216	159269	-260601.1413	934297.3170250766	39.437332051113864	-101.7197424	265328.96458817148	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
170	216	159270	-259401.1413	934297.3170250766	39.4373409869621	-101.7144069	266133.316990438	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
171	216	159271	-258741.1413	934297.3170250766	39.437367511222	-101.7150715	266334.396027486	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
172	216	159272	-258081.1413	934297.3170250766	39.43738519034286	-101.712736	266335.4816204216	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
173	216	159273	-257421.1413	934297.3170250766	39.43740276986143	-101.710406	266736.5638989536	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
174	216	159274	-256761.1413	934297.3170250766	39.437420374267525	-101.7080651	266937.542768735	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
175	216	159275	-256101.1413	934297.3170250766	39.437436391625175	-101.7057297	267138.7273376633	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
176	216	159276	-255441.1413	934297.3170250766	39.437453537742595	-101.7033942	267339.80871658776	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
177	216	159277	-254781.1413	934297.3170250766	39.43747283	-101.7010588	267540.889664234	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
178	216	159278	-254121.1413	934297.3170250766	39.4374902076793	-101.6982723	267741.970786627	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
179	216	159279	-253461.1413	934297.3170250766	39.43750759661185	-101.6963879	267943.05147757806	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
180	216	159280	-252801.1413	934297.3170250766	39.4375248734324	-101.6940524	268144.131935589	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
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182	216	159282	-251481.1413	934297.3170250766	39.43755935	-101.6893185	268546.2297173703	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
183	216	159283	-250821.1413	934297.3170250766	39.4375761386187	-101.6870461	268747.319536126	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
184	216	159284	-250161.1413	934297.3170250766	39.437593637142776	-101.6847106	268948.451051688	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
185	216	159285	-249501.1413	934297.3170250766	39.43761071531098	-101.6823751	269149.5032017946	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
186	216	159286	-248841.1413	934297.3170250766	39.43762774366474	-101.6800397	269350.609141743	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
187	216	159287	-248181.1413	934297.3170250766	39.437644742812	-101.677814	269551.683077964	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
188	216	159288	-247521.1413	934297.3170250766	39.4376616791391	-101.675368	269752.76144005	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
189	216	159289	-246861.1413	934297.3170250766	39.43767875685619	-101.6730333	269953.845626714	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
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191	216	159291	-245541.1413	934297.3170250766	39.43771236951725	-101.6683264	270356.001966714	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
192	216	159292	-244881.1413	934297.3170250766	39.4377289933013	-101.6660269	270557.07996669	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
193	216	159293	-244221.1413	934297.3170250766	39.4377457169258	-101.6638184	270758.1572006746	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
194	216	159294	-243561.1413	934297.3170250766	39.4377623897480	-101.661358	270957.318126129	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
195	216	159295	-242901.1413	934297.3170250766	39.4377790157844	-101.6590205	271160.3115301591	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
196	216	159296	-242241.1413	934297.3170250766	39.4377955971383	-101.656685	271361.388352448	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
197	216	159297	-241581.1413	934297.3170250766	39.43781213452709	-101.6543495	271562.4649568371	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
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199	216	159299	-240261.1413	934297.3170250766	39.437845072814284	-101.6496786	271964.617482527	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
200	216	159300	-239601.1413	934297.3170250766	39.4378614742812	-101.6473411	272165.603776969	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
201	216	159301	-238941.1413	934297.3170250766	39.43787878306474	-101.6450076	272366.77661	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
202	216	159302	-238281.1413	934297.3170250766	39.43789414913022	-101.6426722	272567.844684518	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
203	216	159303	-237621.1413	934297.3170250766	39.43791040803966	-101.6403367	272768.9193645695	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
204	216	159304	-236961.1413	934297.3170250766	39.43792662095956	-101.6380012	272969.904634379	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
205	216	159305	-236301.1413	934297.3170250766	39.43794280496649	-101.6356675	273171.0697830174	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
206	216	159306	-235641.1413	934297.3170250766	39.4379595576056	-101.6333302	273372.1443487593	3488852.500358343	3596.3127421934043	3472.055317438259	3334.6233215994114	3280.3013055571123	347.2305847684478	191.754001188114392
207	216	159307	-234981.1413	934297.3170250766	39.4379762194213	-101.6310007	273573.263077081	3488852.500358343	3596.3127421934043	3472.055317438259	3334.623321599			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBthKrg.ft	SatHtKrg.ft	SatHtBth.ft
29	216	159391	-175941.1413	934297.3170250766	39.43916516083069	-101.4348108	406242.6882546776	4383632.28897706	3425.4981926525575	3281.4245282714182	3163.871811035792	3157.5427220408786	317.5527173256246	123.8882203333963
292	216	159392	-178881.1413	934297.3170250766	39.439177741	-101.4324783	406663.7447000586	4383638.221492402	3422.015006965841	3280.015623913244	3163.5476680527622	3156.9342939180386	316.74659367156034	123.04363471590624
293	216	159393	-178221.1413	934297.3170250766	39.43919581992104	-101.4301297	406854.8002811786	4383634.154	3428.5332108219473	3278.6145911005747	3163.3427023023663	3155.7558202018137	315.27179803686936	121.86577980676094
294	216	159394	-177561.1413	934297.3170250766	39.43920177829784	-101.4278041	406755.8559859457	4383633.007	3418.040555951327	3277.02107216951	3163.5014170681755	315.6815515496205	313.71965311401254	118.80555472074611
295	216	159395	-176901.1413	934297.3170250766	39.4392138388871	-101.4254686	406726.9114854659	4383632.002273607	3417.5817435993693	3275.83286219142	3164.1118738851187	315.6947823774773	311.7234123340232	115.76876828193449
296	216	159396	-176241.1413	934297.3170250766	39.43922596436377	-101.423133	406716.9677975624	4383631.954	3419.136095302147	3274.4567450971417	3164.7305527202725	316.07723921005	309.7292237144433	113.37820033130633
297	216	159397	-175581.1413	934297.3170250766	39.4392378972304	-101.4207975	406719.669102186918876	4383631.87815586	3417.5817435993693	3273.0832689464	3165.898851532048	3162.745821511564	307.18467175714599	110.33077157139082
298	216	159398	-174821.1413	934297.3170250766	39.4392496996645	-101.4184619	406719.0767538523	4383631.8209103256	3422.044798700424	3271.715631630574	3167.48397889577	3164.633411337364	310.2316727348037	107.08022382939213
299	216	159399	-174261.1413	934297.3170250766	39.43926195059491	-101.4161263	406720.1514339994	4383630.945868194	3428.056427965303	3270.3531104871686	3168.313786799968	3167.390977196385	301.038327722049	105.96213331755007
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302	216	159402	-172281.1413	934297.3170250766	39.43929747891186	-101.4091196	406724.2942493146	4383629.55797893	4002.5361483810984	3268.2839589464243	3177.412704120615	3167.718234734143	308.8125420409389	89.51213547300995
303	216	159403	-171621.1413	934297.3170250766	39.43930919444504	-101.4067841	406725.3841340924	4383629.49760963	3386.505709839884	3264.930719597267	3179.269341258046	3179.15083973320085	306.7791713954264	85.77976113954264
304	216	159404	-170961.1413	934297.3170250766	39.4393203992865	-101.4044485	406726.9114854659	4383629.4749435	3396.4630494001285	3263.577633	3178.0224242400623	3174.012402699465	305.552084412771	85.35828514242352
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306	216	159406	-169641.1413	934297.3170250766	39.439344187740566	-101.3997773	406728.508485346	4383629.29834547	3392.26746221676	3260.86852791895	3168.32933284171	3168.0561386789214	302.934047724461	92.81220011
307	216	159407	-168981.1413	934297.3170250766	39.43935571940355	-101.3974418	406729.56153867416	4383627.234	3399.487343991116	3259.510829521966	3163.04955250385	3162.468847856596	304.6127897	97.04218166350634
308	216	159408	-168321.1413	934297.3170250766	39.4393672102407	-101.3951062	406730.61438545205	4383627.169746239	3389.0617894655723	3258.14992660221	3158.40472518729	3157.79171747853	309.7456514129718	100.43121491726816
309	216	159409	-167661.1413	934297.3170250766	39.439378774991695	-101.3927706	406731.667031735	4383629.05781325	3387.6273854516594	3256.7850106642156	3154.552612952425	3153.76051159637	302.23239760999104	103.03499404335822
310	216	159410	-167001.1413	934297.3170250766	39.43939021384321	-101.3904351	406732.7194756679	4383629.00208703	3386.18578151733	3255.4151588473605	3151.4765407728285	3150.696521751983	303.9360447453199	104.71804805210052
311	216	159411	-166341.1413	934297.3170250766	39.4394016078759	-101.3880995	406733.7717175413	4383629.079439069	3387.313926179803	3254.03967412438	3148.9807405721865	3148.173630318301	305.050862666667	105.9589709994213
312	216	159412	-165681.1413	934297.3170250766	39.439411295617791	-101.3857639	406734.884235756174	4383629.91076109	3391.06061793002	3252.56145106531	3148.883096896702	3146.753456231046	305.77446776815	107.3010548342618
313	216	159413	-165021.1413	934297.3170250766	39.43942154597088	-101.383465	406735.9824030975	4383629.47730954	3401.615349	3254.317873281	3148.94767403895	3143.510478329514	305.86258814296	108.9621729127819
314	216	159414	-164361.1413	934297.3170250766	39.4394351806788	-101.381028	406736.9232728696	4383624.789868289	3398.5190711440045	3249.8730319572087	3145.2456588	3140.963938109652	305.344455517855	108.9035080505681
315	216	159415	-163701.1413	934297.3170250766	39.43944673135831	-101.3787572	406737.9786685649	4383624.7223415	3400.6824472551053	3248.47042551053	3144.287981	3139.81713782093	304.81421368429	108.6533436985981
316	216	159416	-163041.1413	934297.3170250766	39.439457899512654	-101.3764216	406738.029032295	4383624.66384547	3404.084965457253	3247.058644586397	3144.7013094461117	3139.84190008573	302.3760514028561	107.2164758724256
317	216	159417	-162381.1413	934297.3170250766	39.43946902255079	-101.374086	406739.08903706897	4383624.631516905	3406.481960444175	3245.6381057495997	3145.8131384511858	3142.213791057132	302.86226729841391	103.4222146292773
318	216	159418	-161721.1413	934297.3170250766	39.4394801047821	-101.3717504	406740.9311702911	4383622.53922488	3408.93527056283	3244.200712452492	3147.5176627178735	3146.9180419783965	302.6830493506838	97.29067047400351
319	216	159419	-161061.1413	934297.3170250766	39.439491153278101	-101.369416	406741.9824030975	4383622.47730954	3401.36741589286	3242.834195315816	3147.9167403895	3143.510478329514	302.91243872295	98.9270770042734
320	216	159420	-160401.1413	934297.3170250766	39.439502173	-101.3671973	406742.96224416	4383622.414	3410.788549242126	3241.75037277234	3146.7007372434	3143.816772231	302.81671222	102.852070195302
321	216	159421	-159741.1413	934297.3170250766	39.43951306354014	-101.3647347	406743.9648428308823	4383620.354	3411.2093746241177	3240.551288497165	3133.818264	3134.531377746033	302.7330243577639	103.03499404335822
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323	216	159423	-158421.1413	934297.3170250766	39.43953481333668	-101.3600725	406745.988628934291	4383622.13810187	3411.5229158217653	3238.106746996683	3126.40012468539	3131.5572037304937	302.7170243311474	105.94805049219265
324	216	159424	-157761.1413	934297.3170250766	39.439545420560345	-101.3577369	406746.970974325611076	4383628.20789141	3410.887060070144	3236.860611648753	3124.162197582596	3122.736024653136	302.736024653136	104.12997651171057
325	216	159425	-157101.1413	934297.3170250766	39.4395563626768	-101.3550414	406747.9284620027483	43836204.1100436	3410.215241182258	3236.957665303486	3122.868108520338	3134.42167237598	302.7296850983279	105.95868265152
326	216	159426	-156441.1413	934297.3170250766	39.4395672092085	-101.353065	406748.9746913284106	4383620.4934984	3409.615349	3234.317873281	3124.9125654495214	3124.9125654495214	302.71912172922	102.91243872295
327	216	159427	-155781.1413	934297.3170250766	39.4395777153265	-101.3507192	406749.970057530287	4383619.98395167	3408.7502818859228	3233.021195653087	3120.74835862471	3131.37984048841	302.713936040592	101.882136635587
328	216	159428	-155121.1413	934297.3170250766	39.43958838290454	-101.3483946	406750.62911363074	4383619.929	3407.655963	3231.703926233374	3120.917008612947	3128.7119393565	302.7118935365	102.6899176204272
329	216	159429	-154461.1413	934297.3170250766	39.439598973961766	-101.346059	406751.68757363004	4383619.84862276	3406.5616576701392	3230.3682968453923	3117.1821714857233	3124.827102707273	302.7118935365885	102.965776511926
330	216	159430	-153801.1413	934297.3170250766	39.43960951645652	-101.3437234	406752.761954154	4383618.70593763	3405.46732471759	3229.0124516132287	3115.73153	3121.878979850242	302.7118935365885	102.7134716296567
331	216	159431	-153141.1413	934297.3170250766	39.43962000786934	-101.3413878	406753.7896738226	4383618.790315726	3404.219580077414	3227.6389107787245	3114.396879381458	3114.6032403283728	302.7118935365885	102.7134716296567
332	216	159432	-152481.1413	934297.3170250766	39.439630454115495	-101.3390623	406754.80225834955	4383617.951071995	3403.815339630763	3226.24138762731	3113.785013	3118.1887967405803	302.7118935365885	102.7134716296567
333	216	159433	-151821.1413	934297.3170250766	39.4396411313945	-101.3367793	406755.8559859457	4383617.951071995	3402.815349	3224.317873281	3114.9125654495214	3124.9125654495214	302.71912172922	102.91243872295
334	216	159434	-151161.1413	934297.3170250766	39.4396521131945	-101.3343811	406756.91085191085	4383617.53	3402.00548437535	3223.282708548192	3113.37984048841	3121.39360405		

ix	ity	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
417	216	195917	-96381.14133	93429.3170250766	39.44035348594876	-111.40525	315794.20573868346	4367831.40720936	317.0238033136067	305.4748478040774	314.1532656159933	310.81611819479875	312.182158838413	76.3165369580894
418	216	195918	-96721.14133	93429.3170250766	39.44036005214934	-111.38184	315995.237547686	4367831.40720936	317.0238033136067	305.4748478040774	314.1532656159933	310.81611819479875	312.182158838413	76.3165369580894
419	216	195919	-97101.14133	93429.3170250766	39.44036562323187	-111.35858	316196.2692	4367831.40720936	317.0238033136067	305.4748478040774	314.1532656159933	310.81611819479875	312.182158838413	76.3165369580894
420	216	195920	-94001.14133	93429.3170250766	39.44037304919644	-111.33518	316997.3006262948	4367819.282040691	317.04466265033	308.9713067	3015.622234878796	310.429326327213	314.1088317266032	70.42283032
421	216	195921	-93741.14133	93429.3170250766	39.44037948004297	-111.33128	316598.3318963139	4367815.241904348	318.0220686862276	308.9713067	310.429326327213	314.1088317266032	70.42283032	71.86203824282309
422	216	195922	-93081.14133	93429.3170250766	39.44037968657149	-111.28849	316799.363	4367815.241904348	318.0220686862276	308.9713067	310.429326327213	314.1088317266032	70.42283032	71.86203824282309
423	216	195923	-92421.14133	93429.3170250766	39.4403923206381986	-111.26512	317000.399898801	4367807.16027065	318.0220686862276	308.9713067	310.429326327213	314.1088317266032	70.42283032	71.86203824282309
424	216	195924	-91761.14133	93429.3170250766	39.440395	-111.24176	317021.4246316906	4367807.16027065	318.0220686862276	308.9713067	310.429326327213	314.1088317266032	70.42283032	71.86203824282309
425	216	195925	-91101.14133	93429.3170250766	39.44039572323187	-111.21859	317402.4551859465	4367807.16027065	318.0220686862276	308.9713067	310.429326327213	314.1088317266032	70.42283032	71.86203824282309
426	216	195926	-90441.14133	93429.3170250766	39.44041056750054	-111.19503	317703.4855617645	4367796.40309639	317.0506194004474	307.622369418426	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
427	216	195927	-89781.14133	93429.3170250766	39.44041711764234	-111.17167	317804.5157593637	4367791.00058889	317.0506194004474	307.622369418426	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
428	216	195928	-89121.14133	93429.3170250766	39.4404232366336	-111.14833	318005.5457789465	4367786.961	301.023859299467	307.622369418426	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
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431	216	195931	-87141.14133	93429.3170250766	39.4404413071496	-111.07821	318608.6347164204	4367774.83756993	311.8131071828234	306.06119719501	307.622369418426	310.429326327213	314.1088317266032	71.86203824282309
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434	216	195934	-85161.14133	93429.3170250766	39.4404537530323	-111.008192	319121.7222	4367762.72864943	312.06811631239515	306.06119719501	307.622369418426	310.429326327213	314.1088317266032	71.86203824282309
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437	216	195937	-83181.14133	93429.3170250766	39.440476237527925	-110.938122	319814.8078792306	4367750.61466154	312.06811631239515	306.06119719501	307.622369418426	310.429326327213	314.1088317266032	71.86203824282309
438	216	195938	-82521.14133	93429.3170250766	39.44048190136639	-110.914766	32005.8362	4367746.57196342	311.849159186136	305.64527	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
439	216	195939	-81861.14133	93429.3170250766	39.44048742008695	-110.89175	32124.62320742112	4367742.63896963	311.849159186136	305.64527	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
440	216	195940	-81201.14133	93429.3170250766	39.4404930386889	-110.869053	320147.892033364	4367738.50281916	311.849159186136	305.64527	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
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460	216	195960	-68001.14133	93429.3170250766	39.4405957700347	-110.402923	324438.4317414965	4367657.80424337	311.849159186136	305.64527	3010.620382699932	310.429326327213	314.1088317266032	71.86203824282309
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462	216	195962	-66681.14133	93429.3170250766	39.4406043	-110.35421	324840.							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SatThLocs.f	SatThBth.f
532	126	196643	-13221.143137	93429.27170250766	39.44025519853824	-100.8462325	411122.8642386842	46373.728759049	3030.865042654557	2849.791720966038	2820.725412850543	2820.4183556144194	74.06630816099055	74.3733651361878
544	216	196644	-12561.141133	93429.27170250766	39.44082640111782	-100.8389269	341323.8750469973	43673.9176680386	3029.7348361753966	2892.9726156728143	2818.5864422831114	2818.3190772934468	74.3673144402066	74.6533837336765
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546	216	196646	-11241.141133	93429.27170250766	39.4408208288861	-100.8322515	341725.8962117827	43673.11736074335	3027.474411736074335	2889.368537838563	2814.1268352704277	2813.9567140412435	75.0416685523162	75.14178934261279
547	216	196647	-10581.141133	93429.27170250766	39.44082874195595	-100.8368899	341526.9063174566	43673.3072668882	3027.3239961038383	2887.652818754003	2812.195735915556	2810.108868604037	75.04570823834175	75.64193189351363
548	216	196648	-9921.141137	93429.27170250766	39.440829474983715	-100.8345542	342127.9166623344	43673.305070146	3026.3352641593715	2886.005015691714	2810.5440897436166	2810.5440897436166	75.45460041330055	75.45909230257212
549	216	196649	-9621.141327	93429.27170250766	39.44083130652934	-100.8322185	342238.926657554	43672.991691149513	3025.982278718195	2884.377682060167	2809.4201915399235	2809.5048690465333	74.95777667	74.87327195848345
550	216	196650	-8601.141327	93429.27170250766	39.44083014120329	-100.8298929	342529.39665002139	43672.65679595981	3025.6120910257138	2882.75259261118	2808.8335188915694	2809.2912015831796	74.919736694865	74.64139097379842
551	216	196651	-7941.141327	93429.27170250766	39.44083130652934	-100.8279472	342750.9486189151	43672.65679595981	3025.6120910257138	2881.124471	2809.518937965736	2807.846771758686	73.177696981018	73.177696981018
552	216	196652	-7281.141327	93429.27170250766	39.44083130652934	-100.8252115	342931.9527704897	43672.65679595981	3025.6120910257138	2879.491331727142	2808.67339937042	2806.76578534754	72.1653237309978	72.3851337369556
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554	216	196654	-5961.141327	93429.27170250766	39.4408327221575	-100.8205402	343333.9743445299	43672.7940422639	3025.6120910257138	2876.211667091286	2805.543108573233	2805.543108573233	70.6685551135908	70.6775739536814
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558	216	196658	-3321.141327	93429.27170250766	39.44083400132575	-100.8111975	344138.0097578701	43672.63567514161	3020.20942002314	2869.93822280191	2799.284548450493	2799.41956205194	70.30823792074176	70.1404019445758
559	216	196659	-2661.141327	93429.27170250766	39.4408342508617	-100.8088619	344339.0182390566	43672.59594579111	3008.8345616229963	2867.92348488226	2798.59920219835	2796.7480487329657	71.3246788	71.17543614953047
560	216	196660	-2001.141327	93429.27170250766	39.440834365167575	-100.8056262	344540.026557035	43672.5542284072	3007.216944502996	2866.245502044664	2793.4320001725946	2793.580467260756	72.3532072708959	72.6654737166061
561	216	196661	-1341.141327	93429.27170250766	39.44083447941007	-100.8041905	344741.0347034529	43672.5152997036	3005.580740728413	2864.5670320648715	2790.102024450456	2790.0385480924937	74.45807681451537	74.5215511273186
562	216	196662	-681.1413269	93429.27170250766	39.440834758453367	-100.8018549	344942.0427537325	43672.4716796992	3003.94385030114	2862.867626	2787.3033637192975	2787.132549879314	75.7307651926505	75.7307651926505
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566	216	196666	1958.85867303514	93429.27170250766	39.4408347383914	-100.7925122	345747.034318676	4367.23944271857	3001.7280264521196	2857.056205045	2785.03334376078	2784.934635436363	70.1006991024445	70.5484819118587
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572	216	196672	5918.85867303514	93429.27170250766	39.4408327250414	-100.7784982	346952.1082211431	4367.2154837239	3000.36209534076	2847.28587457925	2791.618990191014	2791.61896407274	54.1711225475819	54.6675078628296
573	216	196673	6578.85867303514	93429.27170250766	39.4408333104618	-100.7761626	347153.12131313274	4367.2154837239	3000.36209534076	2846.39159106588	2843.8631293551125	2788.99404372227	54.6674082858444	54.91822475891805
574	216	196674	7238.85867303514	93429.27170250766	39.44083185874306	-100.7738269	347354.1273642008	4367.19938817858	2845.298454737953	2846.1021799059035	2786.44685290058	2786.44685290058	55.6486770539552	55.6994871877445
575	216	196675	7898.85867303514	93429.27170250766	39.44083134120994	-100.7714912	347555.1334440254	4367.19938817858	2844.3770064963949	2844.334802	2783.312394571904	2783.375038	55.02240786276976	55.9597648115024
576	216	196676	8558.85867303514	93429.27170250766	39.440830778008	-100.7691556	347756.139368967	4367.19938817858	2843.55976936636	2838.563155906624	2779.93267291725	2780.0960927126126	55.83456373421164	55.83456373421164
577	216	196677	9218.85867303514	93429.27170250766	39.4408307112026	-100.7668198	347957.14517697715	4367.19938817858	2842.73474110023	2836.788217328427	2778.419113173108	2776.4675512036292	60.36910416531292	60.36910416531292
578	216	196678	9878.85867303514	93429.27170250766	39.440829183155	-100.7644842	348159.15819240454	4367.19938817858	2841.91219311246	2772.490161785405	2772.490161785405	2772.490161785405	62.031088571446	62.031088571446
579	216	196679	10538.85867303514	93429.27170250766	39.440828020436	-100.7621486	348359.155165966	4367.19938817858	2841.0734170313	2833.2241012336215	2769.574946575685	2769.638800750324	63.5985514802406	63.5985514802406
580	216	196680	11198.85867303514	93429.27170250766	39.4408270742748	-100.7598129	348560.1616477417	4367.19938817858	2840.34304395622	2841.052202190587	2766.718990026665	2766.738371859136	64.7330241871218	64.7330241871218
581	216	196681	11858.85867303514	93429.27170250766	39.44082627289212	-100.7574772	348761.1666672014	4367.19938817858	2840.34304395622	2839.67403746134	2762.749338958467	2762.749338958467	65.4463935	65.014604781514
582	216	196682	12518.85867303514	93429.27170250766	39.4408256503787	-100.7551416	348962.1719232613	4367.163171895441	2840.34304395622	2838.787395	2763.2631024234845	2763.288996634	65.014604781514	65.014604781514
583	216	196683	13178.85867303514	93429.27170250766	39.44082557766475	-100.7528059	349163.178831364	4367.163171895441	2838.787395	2826.10447820848	2762.49594201633	2762.637818748681287	63.0880861468449	63.4665963271908
584	216	196684	13838.85867303514	93429.27170250766	39.44082465471222	-100.7504702	349364.1815977024	4367.163171895441	2837.944794110023	2825.7334748742607	2761.6349942117	2762.294277184713	62.7843405214149	62.0299628859473
585	216	196685	14488.85867303514	93429.27170250766	39.4408237250414	-100.7481276	349569.186511427	4367.163171895441	2837.054312118617	2824.114545121817	2761.6349942117	2762.294277184713	61.7945944254034	61.7945944254034
586	216	196686	15138.85867303514	93429.27170250766	39.4408227183206	-100.7457984	349769.1906876574	4367.163171895441	2					

id	Year	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	Surf.Lev.	W.L.R.	BReiw.Logs.Lat	BReiw.Botk.Rg.	Surf.Logs.Lat	Surf.Logs.Botk.			
659	1957	1957	1957	78.58667333	34.9297	3170250766	34.4058124822012	55.1513991	36644.074205244	326819.39947562	284.5598404081407	3694.9892811241316	37.705790398227	36.2531813	47.28349037120444	39.627451020201534
670	1957	1957	1957	78.58667333	34.9297	3170250766	34.40574445501726	55.15049035	36650.067897585	326815.00350509	285.2515051695711	263.211872471377	26.9180944726577	26.926594117	40.1428248820211	36.71571704894914
671	1957	1957	1957	71258.85867333	34.9297	3170250766	34.40471965010126	55.1472678	36651.06074076523	326811.914928431	285.2842677800067	263.138517843079	26.92018981124017	26.92711508725519	41.346660518376316	34.267431971918886
672	1957	1957	1957	71918.85867333	34.9297	3170250766	34.40471670174936	55.1494322	36725.0534683445	326807.43	285.2019296028267	260.6685809848467	261.377291441328	26.8281332648556	42.259115926334434	31.3738820920516
673	1957	1957	1957	72195.85867333	34.9297	3170250766	34.4056176	55.14529965	36730.0546181828	326803.440191362	284.673129285287	260.701952003759	262.2115109951378	26.76320388276813	35.74904244427309	30.2681637309801
674	1957	1957	1957	72519.85867333	34.9297	3170250766	34.4056176	55.14529965	36730.0546181828	326803.440191362	284.673129285287	260.701952003759	262.2115109951378	26.76320388276813	35.74904244427309	30.2681637309801
675	1957	1957	1957	72858.85867333	34.9297	3170250766	34.4055174824183	55.153792	36755.000900000	326806.41708314	284.991184109662	263.34081731509	262.1219363746274	26.7577958087265	32.238868707478345	30.08523227625
676	1957	1957	1957	73458.85867333	34.9297	3170250766	34.4056467831545	55.1535896	36756.0231782094	326807.43	283.495133095313	263.2580665137	261.8154950505517	26.74522638338333	33.831114555434	30.08523227625
677	1957	1957	1957	74125.85867333	34.9297	3170250766	34.4054155520914	55.1532339	36851.0152630915	326807.43	284.894376470941	262.516718568437	262.615186158437	26.95265507530334	35.19686779028441	25.19686779028441
678	1957	1957	1957	74578.85867333	34.9297	3170250766	34.405336306596	55.15309183	36825.0072211084	326807.43	283.516173502076	260.434043630706	260.9141996412817	26.21528363	39.6204500075106	29.77608285510626
679	1957	1957	1957	7538.85867333	34.9297	3170250766	34.405311808964	55.1528526	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
680	1957	1957	1957	7578.85867333	34.9297	3170250766	34.405259607034	55.1526247	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
681	1957	1957	1957	7618.85867333	34.9297	3170250766	34.405259607034	55.1526247	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
682	1957	1957	1957	76518.85867333	34.9297	3170250766	34.405182089491	55.1521577	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
683	1957	1957	1957	76918.85867333	34.9297	3170250766	34.405098064038	55.1519241	368262.965118327	326807.43	283.516173502076	260.434043630706	260.9141996412817	26.21528363	39.6204500075106	29.77608285510626
684	1957	1957	1957	77318.85867333	34.9297	3170250766	34.40504552899	55.1516904	36843.9562500545	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
685	1957	1957	1957	77818.85867333	34.9297	3170250766	34.40498974815	55.1514568	36964.947397557	326807.43	283.516173502076	260.434043630706	260.9141996412817	26.21528363	39.6204500075106	29.77608285510626
686	1957	1957	1957	78158.85867333	34.9297	3170250766	34.4049344921265	55.1512331	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
687	1957	1957	1957	78458.85867333	34.9297	3170250766	34.40488974815	55.15109183	36825.0072211084	326807.43	283.516173502076	260.434043630706	260.9141996412817	26.21528363	39.6204500075106	29.77608285510626
688	1957	1957	1957	78758.85867333	34.9297	3170250766	34.4048344921265	55.1509183	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
689	1957	1957	1957	79158.85867333	34.9297	3170250766	34.40478974815	55.1507392	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
690	1957	1957	1957	79558.85867333	34.9297	3170250766	34.4047344921265	55.1505622	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
691	1957	1957	1957	79958.85867333	34.9297	3170250766	34.40467974815	55.1503896	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
692	1957	1957	1957	80358.85867333	34.9297	3170250766	34.4046244921265	55.1502150	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
693	1957	1957	1957	80758.85867333	34.9297	3170250766	34.40456974815	55.1500414	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
694	1957	1957	1957	81158.85867333	34.9297	3170250766	34.4045144921265	55.1498678	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
695	1957	1957	1957	81558.85867333	34.9297	3170250766	34.40445974815	55.1496942	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
696	1957	1957	1957	81958.85867333	34.9297	3170250766	34.4044044921265	55.1495206	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
697	1957	1957	1957	82358.85867333	34.9297	3170250766	34.40434974815	55.1493470	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
698	1957	1957	1957	82758.85867333	34.9297	3170250766	34.4042944921265	55.1491734	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
699	1957	1957	1957	83158.85867333	34.9297	3170250766	34.40423974815	55.1490000	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
700	1957	1957	1957	83558.85867333	34.9297	3170250766	34.4041844921265	55.1488264	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
701	1957	1957	1957	83958.85867333	34.9297	3170250766	34.40412974815	55.1486528	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
702	1957	1957	1957	84358.85867333	34.9297	3170250766	34.4040744921265	55.1484792	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
703	1957	1957	1957	84758.85867333	34.9297	3170250766	34.40401974815	55.1483056	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
704	1957	1957	1957	85158.85867333	34.9297	3170250766	34.4039644921265	55.1481320	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
705	1957	1957	1957	85558.85867333	34.9297	3170250766	34.40390974815	55.1479584	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
706	1957	1957	1957	85958.85867333	34.9297	3170250766	34.4038544921265	55.1477848	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
707	1957	1957	1957	86358.85867333	34.9297	3170250766	34.40379974815	55.1476112	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
708	1957	1957	1957	86758.85867333	34.9297	3170250766	34.4037444921265	55.1474376	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
709	1957	1957	1957	87158.85867333	34.9297	3170250766	34.40368974815	55.1472640	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
710	1957	1957	1957	87558.85867333	34.9297	3170250766	34.4036344921265	55.1470904	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
711	1957	1957	1957	87958.85867333	34.9297	3170250766	34.40357974815	55.1469168	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
712	1957	1957	1957	88358.85867333	34.9297	3170250766	34.4035244921265	55.1467432	36845.990280000	326807.43	282.9016808893	262.74240629497	260.621655174314	26.740549206577	40.0835701431587	30.801392702306
713	1957	1957	1957	88758.858673												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SatHtKLogr.ft	SatHtBoth.ft
55	217	158985	-33501.1413	934957.3170250766	39.436824982092304	-101.9860041	430131.35949085085	498959307	3858.341008114791	3562.073073553946	3541.7671731390783	3553.690295717449	10.30599040486766	98.38276303694793
56	217	158986	-33464.1413	934957.3170250766	39.436844788	-101.9836868	24332.41696966275	498959519	3844.317942447405	3650.616245853914	3539.880501096672	3552.791420320276	10.73536435871398	97.8192142546637
57	217	158987	-33381.1413	934957.3170250766	39.43687072356553	-101.981354	24343.529	498959104	3850.2853682198	3649.141359	3537.704836214778	3544.522873282515	11.43633277022048	98.8116935899461
58	217	158988	-33321.1413	934957.3170250766	39.436893540743114	-101.9789891	24414.68935162245	498964.957628943	3846.2711111936338	3647.652416339764	3533.609148096616	3533.573633	11.04276854131023	114.07878330412632
59	217	158989	-33261.1413	934957.3170250766	39.43691630340867	-101.9766627	24381.5789778117	4989492.841759373	3843.2733966451626	3646.1537088769664	3533.537034040403	3524.4660449061453	12.6166748356522	121.7067679702115
60	217	158990	-33201.1413	934957.3170250766	39.4369302096514	-101.9743274	2440.019078086673	4989488.7456973	3841.3014042818246	3644.6263412030867	3531.505484820683	3517.678207295668	13.14368535505898	126.971140120013
61	217	158991	-33134.1413	934957.3170250766	39.436961683412464	-101.971982	2442.01862748567	4989484.610314033	3839.3288187654475	3643.14289986218	3529.476485131043	3513.1902862348867	13.66644134909393	129.9526714293151
62	217	158992	-33081.1413	934957.3170250766	39.4369842075059	-101.969656	2444.181256	4989480.49495827	3837.356234924898	3641.637972220817	3527.5447232900853	3510.169784464429	14.019404394199646	141.46789478787273
63	217	158993	-33021.1413	934957.3170250766	39.4370066287951	-101.967323	2446.625748555	4989476.38	3830.36992572987	3640.13640410083	3525.6447999521778	3508.484938613389	14.497809135525258	148.76207873741424
64	217	158994	-32961.1413	934957.3170250766	39.4370244009916	-101.964869	2448.2132223978	4989472.2648739	3833.33109717789	3638.641293	3523.83244539611	3506.4014830742954	14.8089480297688	132.238094605405
65	217	158995	-32901.1413	934957.3170250766	39.43705193210949	-101.962506	2450.02245501606	4989461.51041228	3831.30516088231	3637.150408631036	3521.9291894325474	3507.488955957632	15.22489103056174	134.130486735034
66	217	158996	-32841.1413	934957.3170250766	39.437074379010475	-101.9603152	2452.2535782477625	4989464.03561113	3829.279324700579	3635.637745085798	3519.935410300894	3517.92321093456	15.73836420476993	138.34806241512388
67	217	158997	-32781.1413	934957.3170250766	39.43709780802065	-101.9579798	2454.4246526471	4989459.30130345	3828.7272131715887	3634.1991047685024	3518.938011070451	3490.811341338965	16.25109368095135	143.3877634290736
68	217	158998	-32721.1413	934957.3170250766	39.437119137484196	-101.9556445	2456.721462587	4989450.79019015	3829.78312957612	3632.7314295763	3516.842598084003	3483.902501335697	15.88904487369018	148.8941241219054
69	217	158999	-32661.1413	934957.3170250766	39.4371414495685	-101.9533091	2458.628793541745	4989451.6932079	3827.795082617555	3631.272462507284	3514.512517403386	3475.28346583886	16.70033005483866	156.9598429233963
70	217	159000	-32601.1413	934957.3170250766	39.43716947495355	-101.9510737	2460.0738600119186	4989447.579060949	3821.806845346907	3629.823446050058	3512.234051	3469.380161071426	17.5203968702052	160.4363307793315
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93	217	159023	-31221.1413	934957.3170250766	39.4376633835659	-101.8972598	2506.637506766012	4989352.02110804	3756.4375528031728	3597.242148980723	3463.7485490426039	3472.680037203312	13.08202112102523	125.30530515762
94	217	159024	-31161.1413	934957.3170250766	39.4376845776496	-101.8949244	2508.641714710973	4989349.13410356	3754.2085326735345	3595.7254943970793	3461.44262737803	3471.243483094402	13.08202112102523	125.30530515762
95	217	159025	-31101.1413	934957.3170250766	39.43770571638964	-101.8925889	2510.655715908083	4989344.80491726	3752.1482096670287	3593.459473276757	3459.456149090655	3469.305866885745	13.08202112102523	125.30530515762
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99	217	159029	-30861.1413	934957.3170250766	39.4377902012882	-101.8832473	2518.69700141356							

ix	iy	icont	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
181	2107	160021	-252141.1413	934957.3170250766	39.43935488272985	-01.6917392	268349.31041617703	4388992.251334853	3553.593337640822	3551.04104637005616	3304.4665387193304	3302.381806690281	146.9324984912325	140.02865701028077
182	2107	160022	-251481.1413	934957.3170250766	39.4397209667865	-01.6894037	268590.39020373696	4388988.160897801	3530.3891340595724	3450.016205	3302.189386	3300.5080461766675	147.8268185061902	148.108158706272265
183	2107	160023	-250921.1413	934957.3170250766	39.43936928351007	-01.6878061	268675.46972629276	4388984.07967967	3534.0488951940958	3448.81778916706	3301.1376290446	3300.221472227844	147.4880282924003	148.3631639186185
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185	2107	160025	-249601.1413	934957.3170250766	39.43942346783502	-01.6823397	269153.62819703197	4388975.890928199	3555.096385208512	3445.814642599637	3302.1963042390785	3301.8363039058286	145.341316040852	147.93734133837351
186	2107	160026	-248841.1413	934957.3170250766	39.439440501326665	-01.6800616	269354.7077073555	4388974.801221684	3568.6010321614	3448.054626292564	3303.472894929538	3303.4923658775324	140.663631363026	140.91408676172397
187	2107	160027	-248181.1413	934957.3170250766	39.43945748970441	-01.6777261	269555.785701307	4388967.712262038	3571.0203812996644	3451.0500788221	3305.819503927868	3305.5268040251654	137.1806061584128	137.47828034115546
188	2107	160028	-247521.1413	934957.3170250766	39.43947432968176	-01.6753906	269756.8404656685	4388963.622656798	3571.29203436907	3441.61712122279	3307.800724812626	3307.6144477491358	133.81147133096529	133.9997243715546
189	2107	160029	-246861.1413	934957.3170250766	39.43949131117954	-01.673005	269957.9423338769	4388959.533604071	3571.574025898848	3440.2266466652086	3308.772336327243	3308.679001893315	130.44841243248422	140.764142588702
190	2107	160030	-246201.1413	934957.3170250766	39.439508184153745	-01.6707195	270159.02300420596	4388954.35608138	3571.8509474475303	3438.850526	3311.07886015932	3311.5347322347016	127.379044380169	127.371559426470858
191	2107	160031	-245541.1413	934957.3170250766	39.43952490275407	-01.668384	270360.0890389786	4388951.346625631	3571.799083987367	3437.6476189754	3312.08831174017	3312.170410591064	125.38563301575667	125.3133353870991
192	2107	160032	-244841.1413	934957.3170250766	39.43954175488316	-01.6660485	270561.1755533038	4388947.279229344	3576.12793665404	3310.80117680138	3311.398521611902	3312.2967598490458	124.7294720344055	124.7294720344055
193	2107	160033	-244221.1413	934957.3170250766	39.439558487257664	-01.6637129	270762.255388575	4388943.717694848	3571.03835599716	3434.78450936233	3308.9184826410044	3309.70885309778	125.8660274482857	125.01362462034087
194	2107	160034	-243561.1413	934957.3170250766	39.4395751515603	-01.6613774	270963.329905751	4388939.01813897	3570.65063450898	3433.453288530608	3306.7995203484393	3309.269501173754	125.65376818216873	124.183741284392
195	2107	160035	-242901.1413	934957.3170250766	39.43959177262123	-01.6599419	271164.4605363936	4388935.0040701097	3571.65926594625	3322.133862	3304.7316674578296	3307.650567113756	122.60219447748028	124.13825009173479
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200	2107	160040	-239601.1413	934957.3170250766	39.439672423233464	-01.6473462	272169.7875	4388914.56485458	3579.201330521213	3425.687537186739	3295.393540644405	3294.59473179075128	120.29403254233375	127.7438514116112
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214	2107	160054	-230361.1413	934957.3170250766	39.43989912273226	-01.6146666	274984.8240493896	4388886.37297978	3568.6010321614	3407.231793934545	3278.213444	3282.131343549005	129.98185137314627	125.0918541746397
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221	2107	160061	-225741.1413	934957.3170250766	39.44000825154523	-01.5983178	276392.3292391361	4388888.795	3572.590193376484	3398.659186740073	3268.5622452229377	3273.75336389156	130.3616157786957	123.3823634389169
222	2107	160062	-225081.1413	934957.3170250766	39.4400236287675	-01.5959822	276593.3967361615	4388884.715351548	3572.072741951475	3398.45415636396	3264.841530570783	3271.07512140138	130.5937820676138	124.35964235404113
223	2107	160063	-224421.1413	934957.3170250766	39.44003925767654	-01.5936955	276794.8240493896	4388885.126961937	3571.42285601940	3402.91849898037	3279.31371170048	3283.36538712209	129.9331177857552	130.5892360030603
224	2107	160064	-223761.1413	934957.3170250766	39.44005434431199	-01.5913111	276995.5370291916	4388884.715351548	3570.983067834	3404				

ix	iy	icat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BRVElevKgr.f	BRVElevKgr.f	SurfThLo.f	SurfThBoth.f
307	217	160147	-169881.1413	394957.3170250766	39.44116855915238	-101.3974567	293683.6324854048	4368478.485651685	3304.1056120334756	3258.9367772983584	3161.84350573796627	307.0931270966247	97.57693464195245	
308	217	160148	-168321.1413	394957.3170250766	39.44118005853135	-101.3961421	233884.6851168601	4368474.441	3301.0282181546737	3257.57123	3158.150104	3157.60911591558449	96.96211591558449	
309	217	160149	-167661.1413	394957.3170250766	39.44119172770006	-101.3897654	204805.2375496924	4368476.37633781	3387.5950310959958	3247.91974849741	3156.0026323361014	310.1891451846345	101.77203682858581	
310	217	160150	-167001.1413	394957.3170250766	39.44120301193752	-101.3904498	234686.789747747	4368466.293109538	3384.87314505725915	3257.8187113933	3152.4905485454444	3152.13225509367	102.69633112259394	
311	217	160151	-166341.1413	394957.3170250766	39.44121405964686	-101.3881141	244847.8148002515	4368462.229341326	3384.79375227263125	3253.448934962134	3150.445732236506	3150.319050831735	103.0302066712788	
312	217	160152	-165681.1413	394957.3170250766	39.44122575487516	-101.3857785	246468.89362431027	4368458.166	3387.723267519157	3252.03583047195	3148.552665384426	3147.553176926865	104.51403420878651	
313	217	160153	-165021.1413	394957.3170250766	39.44123067686076	-101.3834429	248889.945246350	4368454.10232408	3390.649182320323	3250.671467272117	3146.9338246367965	3147.8464753247911	103.739229038308	
314	217	160154	-164361.1413	394957.3170250766	39.44124831734222	-101.3811072	250000.99666731455	4368450.493274048	3393.57509171048424	3249.743207629915	3145.906393540535	3142.2648760165696	107.00934451523801	
315	217	160155	-163701.1413	394957.3170250766	39.44125593090005	-101.3787176	252592.0478868704	4368445.976330781	3396.877632261412	3247.8716096116	3145.4926902942145	3140.29017104035	102.3786187669475	
316	217	160156	-163041.1413	394957.3170250766	39.4412707	-101.374628	255493.089054028	4368441.91393684	3400.555977819785	3246.6437258842	3145.6378950730026	3140.92312045158425	102.8255775513687	
317	217	160157	-162381.1413	394957.3170250766	39.44128182263356	-101.3741033	255684.1492731169	4368438.051670283	3404.234553385615	3246.40543238654	3146.168222712075	3140.3928121515447	102.85810852657676	
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319	217	160159	-161061.1413	394957.3170250766	39.4413033595699	-101.368429	256066.25075691275	4368428.76196552	3408.92036075816	3242.3277987764423	3143.932352349646	3148.4954642679613	100.002601349109	
320	217	160160	-160401.1413	394957.3170250766	39.44131492192752	-101.3670934	256297.3009734003	4368426.56472015	3410.256046549593	3241.1462487703943	3139.7344955908416	3141.50137091131	101.0489806128144	
321	217	160161	-159741.1413	394957.3170250766	39.4413258479059	-101.3647578	256498.3059095943	4368421.603	3415.917366414175	3239.934934543536	3135.324959898893	3137.44225626454	100.40515837456087	
322	217	160162	-159081.1413	394957.3170250766	39.44133676251614	-101.362421	256699.4008	4368417.54101001	3410.927446268537	3238.704853630296	3131.8896710167105	3135.57835312192	101.8128143463191	
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324	217	160164	-157761.1413	394957.3170250766	39.4413584263458	-101.3577508	257101.49984147865	4368409.419	3410.47149	3236.210368431577	3127.0038650311535	3134.93634445091	109.2020034066231	
325	217	160165	-157101.1413	394957.3170250766	39.4413691850174	-101.3554152	257302.54060047044	4368405.358237825	3410.055637171204	3234.641180036376	3125.721870189446	3135.18851591871	109.2193010743133	
326	217	160166	-156441.1413	394957.3170250766	39.44137902282655	-101.3530796	257502.980796501	4368401.29622635	3409.639784953428	3233.651328221794	3124.7004105296675	3134.171817183265	108.9542722962191	
327	217	160167	-155781.1413	394957.3170250766	39.44139057444022	-101.3507439	257704.64890048496	4368397.237	3408.9252988309	3232.351480791913	3123.1349353410637	3123.79999442276	99.55138163	
328	217	160168	-155121.1413	394957.3170250766	39.44140121460024	-101.3484083	257955.6955277075	4368385.17623905	3407.718973043467	3231.02926815851	3120.4960525815033	3128.453679192018	110.5329775740206	
329	217	160169	-154461.1413	394957.3170250766	39.4414125425222	-101.3457923	258193.633043654	4368374.76075758	3406.051843570988	3229.191834768184	3119.6253965919233	3117.446872767534	108.589454552243	
330	217	160170	-153801.1413	394957.3170250766	39.44142230167135	-101.343737	258307.7927124861	4368365.05821669	3405.424356382052	3228.321732305585	3115.40975587175	3120.351005092626	112.9134733438352	
331	217	160171	-153141.1413	394957.3170250766	39.44143281184922	-101.3414013	258508.85408	4368350.997	3404.386198750676	3226.83948052948	3114.3784030897978	3118.538418029231	112.56170823931506	
332	217	160172	-152481.1413	394957.3170250766	39.44144325840836	-101.3390657	258709.88813037646	4368376.93783572	3403.486348383047	3225.530848818634	3114.1061752066867	3117.71412055583	111.428906751676	
333	217	160173	-151821.1413	394957.3170250766	39.44145365984975	-101.33673	258910.935726557	4368372.87860398	3402.57767007158	3224.109585815168	3114.25934414649	3114.351892789383	108.95021440051878	
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335	217	160175	-150501.1413	394957.3170250766	39.44147452379718	-101.3323685	259316.7439466924	4368360.76075758	3400.051843570988	3220.191834768184	3113.6253965919233	3117.446872767534	108.589454552243	
336	217	160176	-149841.1413	394957.3170250766	39.4414854	-101.3297231	259514.44775703	4368350.70241138	3397.727381579	3219.77631795	3113.66194735892	3117.446872767534	108.589454552243	
337	217	160177	-149181.1413	394957.3170250766	39.44149481443742	-101.327384	259715.1423208946	4368356.43732584	3395.404120057433	3218.1750064713847	3114.1962536622967	3113.7746342937887	108.923708	
338	217	160178	-148521.1413	394957.3170250766	39.4415049028973	-101.3250518	259916.770071008	4368352.58530058	3394.612862234896	3217.628940105964	3114.016902231014	3112.61194377849324	108.3146060959928	
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340	217	160180	-147201.1413	394957.3170250766	39.44152521	-101.3203805	260318.263774432	4368344.74097308	3389.53645270072	3215.4657520671944	3113.5306285209304	3110.820700979307	100.35846196926376	
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347	217	160187	-142581.1413	394957.3170250766	39.44159454265443	-101.3040399	261725.5818973454	4368316.70977619	3376.29600552085	3202.04478954821	3104.938486922774	3104.282917611022	97.1170261890717	
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350	217	160190	-140601.1413	394957.3170250766	39.441624358118245	-101.2970229	262328.71549391916	4368303.90167631	3370.4321254	3197.635577015014	3098.279618148553	3099.394295762366	96.35967366917	
351	217	160191	-139941.1413	394957.3170250766	39.441634317063196	-101.2946883	262529.7596061091	4368299.76223939	3368.46243611681	3196.3621353990043	3095.8160932010082	3093.44170057312563	100.54602419799603	
352	217	160192	-139281.1413	394957.3170250766	39.441644274837656	-101.2923526	262730.8035246735	4368295.74232395	3366.3954984124	3195.1861260198853	3093.2434631873857	3090.494578129494	101.9426283249954	
353	217	160193	-138621.1413	394957.3170250766	39.44165422139199	-101.2900169	262931.8472489192	4368291.73211026	3364.3126842716517	3194.0088326157536	3090.5757130879992	3090.441847796302	101.90311952775434	
354	217	160194	-137961.1413	394957.3170250766	39.44166416788417	-101.2878183	263127.8890717498	4368287.682303865						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
431	217	160273	-858221.14133	394957.3170250766	39.44226599630794	-101.1031624	319014.73897950493	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
434	217	160274	-85161.14133	394957.3170250766	39.44227180076889	-101.1008267	31925.71675200479	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
435	217	160275	-84501.14133	394957.3170250766	39.442277820110484	-101.098481	31946.7942840195	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
436	217	160276	-83841.14133	394957.3170250766	39.44228354332788	-101.0961553	319167.8226716239	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
437	217	160277	-83181.14133	394957.3170250766	39.44228906343566	-101.0938196	319818.8508830677	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
438	217	160278	-82521.14133	394957.3170250766	39.44229474724191	-101.0914389	320019.878195559	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
439	217	160279	-81861.14133	394957.3170250766	39.4423003628337	-101.0891482	320220.9607782943	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
440	217	160280	-81201.14133	394957.3170250766	39.4423059202814	-101.0868125	320421.9345	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
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442	217	160282	-79891.14133	394957.3170250766	39.44231692315949	-101.0821411	320823.9895050175	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
443	217	160283	-79221.14133	394957.3170250766	39.44232237054603	-101.0798054	321005.0164638543	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
444	217	160284	-78561.14133	394957.3170250766	39.4423277381314	-101.0774696	321226.0434722245	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
445	217	160285	-77901.14133	394957.3170250766	39.442333311	-101.0751339	321427.070774327	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
446	217	160286	-77241.14133	394957.3170250766	39.44233841498902	-101.0727982	321628.0968927194	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
447	217	160287	-76581.14133	394957.3170250766	39.442343672897756	-101.0704625	321829.123534454	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
448	217	160288	-75921.14133	394957.3170250766	39.44234888567046	-101.0681268	322030.14984107056	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
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451	217	160291	-73941.14133	394957.3170250766	39.44236452333797	-101.0611197	322633.2274614125	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
452	217	160292	-73281.14133	394957.3170250766	39.4423692654927	-101.058784	322834.2535050918	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
453	217	160293	-72621.14133	394957.3170250766	39.4423747284105	-101.0564483	323035.2747589634	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
454	217	160294	-71961.14133	394957.3170250766	39.44237949743129	-101.0541126	323238.307240231	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
455	217	160295	-71301.14133	394957.3170250766	39.442412549731034	-101.0517689	323450.53265458	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
456	217	160296	-70641.14133	394957.3170250766	39.4423898369916	-101.0494412	323638.353403817	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
457	217	160297	-69981.14133	394957.3170250766	39.44239377041727	-101.0471055	323839.3784340187	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
458	217	160298	-69321.14133	394957.3170250766	39.442398523006784	-101.0447698	324040.40299394	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
459	217	160299	-68661.14133	394957.3170250766	39.44240334848338	-101.042434	324241.4274817959	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
460	217	160300	-68001.14133	394957.3170250766	39.442407919838414	-101.0400983	324442.4516982630	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
461	217	160301	-67341.14133	394957.3170250766	39.442412549731034	-101.0377658	324645.475474345	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
462	217	160302	-66681.14133	394957.3170250766	39.442417172718934	-101.0354299	324844.4986176134	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
463	217	160303	-66021.14133	394957.3170250766	39.442421663185364	-101.0330912	325055.5233029754	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
464	217	160304	-65361.14133	394957.3170250766	39.442426150461756	-101.0307555	325246.5468573157	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
465	217	160305	-64701.14133	394957.3170250766	39.44243059981855	-101.0284198	325447.57021604874	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
466	217	160306	-64041.14133	394957.3170250766	39.44243504505696	-101.0260841	325648.5930481782	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
467	217	160307	-63381.14133	394957.3170250766	39.44243959597321	-101.0237844	325849.6164	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
468	217	160308	-62721.14133	394957.3170250766	39.442444239731034	-101.0214127	326050.53265458	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
469	217	160309	-62061.14133	394957.3170250766	39.44244893164819	-101.0191069	326251.6619653656	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
470	217	160310	-61401.14133	394957.3170250766	39.44245311807736	-101.0167412	326452.6847876227	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
471	217	160311	-60741.14133	394957.3170250766	39.4424563268454	-101.0144055	326653.706225552	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
472	217	160312	-60081.14133	394957.3170250766	39.44246045676571	-101.0120698	326854.728981965	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
473	217	160313	-59421.14133	394957.3170250766	39.44246454156516	-101.0097341	327055.7510462046	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
474	217	160314	-58761.14133	394957.3170250766	39.44246858212481	-101.0073844	327256.728425107	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
475	217	160315	-58101.14133	394957.3170250766	39.44247302914052	-101.0050484	327457.759819658	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.586104146245	64.638615475133	66.7441193977075
476	217	160316	-57441.14133	394957.3170250766	39.4424775619134292	-101.002727	327658.81903134292	4367967.994632202	3412.7245863735	3055.3302560860157	2969.5815945382643	2998.5		

ix	iy	x	Y.Frt	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRIEVLogsKrg.	BRIEVBothKrg.	SatHtKgs.	SatHtBoth.	
559	217	160399	-2681.1411327	934957.3170250766	39.44264704088194	-100.888621	344343.034904037583	4367460.7623099955	202.5255025779184	297.847397523999424	2797.9658628696006	70.13936588307297	70.10798585700953
560	217	160400	-2681.1411327	934957.3170250766	39.44264720024742	-100.886284	344544.043505275	4367456.749646242	201.7641622157157	2866.206858378014	2794.52844097053	2794.5611892173005	71.79240059744822
561	217	160401	-1341.141327	934957.3170250766	39.44264741482824	-100.841907	344745.0510947723	4367452.37118684	200.02454149111	2864.546989235885	2790.67546830614	73.91110228	74.10007334303182
562	217	160402	-681.1413269	934957.3170250766	39.44264738361825	-100.818459	344846.0589181899	4367448.724031319	301.7014148119312	2862.965369730505	2786.5776179296	76.377964370936	76.324401363493
563	217	160403	-21.14132693	934957.3170250766	39.44264740723234	-100.7995192	345147.0664766134	4367444.71280126	300.068006211718	2861.277927097976	2784.6436138439212	78.84115581062397	77.0963689
564	217	160404	638.58667303514	934957.3170250766	39.44264736650873	-100.7971835	345348.037803496533	4367440.11030311	300.33165214732	2859.584020287752	2786.6779882142137	78.864589574623467	79.060332540536
565	217	160405	1298.85867303514	934957.3170250766	39.4426473027404	-100.7948478	345549.0813434378	4367436.68930255	300.4898678174766	2857.88432769163	2788.591289983057	78.886465372096592	69.29303678881251
566	217	160406	1958.85867303514	934957.3170250766	39.44264720891921	-100.792512	345745.0885224296	4367432.671671554	300.5892794270622	2856.1792506132233	2790.2580260377378	78.909171634576	65.7807897864745
567	217	160407	2618.85867303514	934957.3170250766	39.4426470544453	-100.7901763	345951.0956115853	4367428.69176988	300.69454140411	2855.486989235885	2790.67546830614	73.91110228	74.10007334303182
568	217	160408	3278.85867303514	934957.3170250766	39.4426469504939	-100.7879046	346246.0558701439	4367424.65568795	300.752051498695	2852.75705913419	2792.5767918356426	77.9117911599252	59.890933925925
569	217	160409	3938.85867303514	934957.3170250766	39.44264660414339	-100.7855049	346533.1092892492	4367420.64460208	300.84058495212685	2851.003264152685	2793.165568930446	77.8458566800841	57.84658324587694
570	217	160410	4598.8586730351	934957.3170250766	39.44264631229936	-100.7831691	346554.1158948751	4367416.63238115	300.116064839623	2849.302086776535	2793.209006040263	77.923014695452	56.93007731791316
571	217	160411	5258.8586730351	934957.3170250766	39.44264597354256	-100.7808334	346746.1225381456	4367412.6320053	299.875464196655	2792.6639248405963	2792.59267364742865	54.688618939317	54.60238535624103
572	217	160412	5918.8586730351	934957.3170250766	39.44264559269106	-100.7784977	346956.1286735105	4367408.13609025	299.641902900418	2845.8318913214734	2791.47122026823	54.79163082632635	54.505729465034
573	217	160413	6578.8586730351	934957.3170250766	39.44264516607394	-100.776162	347157.1348403865	4367404.60396229	299.484593388706	2842.687649408766	2789.801269102111	54.7893449657254363	54.2425068332928
574	217	160414	7238.8586730351	934957.3170250766	39.44264469375805	-100.7738262	347358.1406932267	4367400.59370447	299.301593700477	2842.3378950297383	2787.272235080395	54.78729175	55.0545239734804
575	217	160415	7898.8586730351	934957.3170250766	39.44264417632339	-100.7714905	347559.1467302494	4367396.58418741	299.139021167134	2840.582198432524	2784.178274287867	54.78043928799756	56.2731966369262
576	217	160416	8558.8586730351	934957.3170250766	39.4426433176708	-100.7691548	347760.1524535317	4367392.57491106	297.85116035731	2838.821460357697	2780.830512	57.9900483835422	57.853536744948
577	217	160417	9218.8586730351	934957.3170250766	39.4426430060296	-100.7668191	347961.158	4367388.586559728	297.635459737287	2837.05149053995	2777.26580404061	57.774459613964	57.9169381133852
578	217	160418	9878.8586730351	934957.3170250766	39.4426423329727	-100.7644833	348162.1634584376	4367384.5560709	297.26755083727	2835.291305	2773.788593683003	57.77396204937957	61.50271137471813
579	217	160419	10538.8586730351	934957.3170250766	39.4426416	-100.7621476	348363.1687402751	4367380.54722511	297.079138633476	2833.52119742274	2770.6844687620504	61.50419183162446	62.8784380732141
580	217	160420	11198.8586730351	934957.3170250766	39.44264091234625	-100.7598119	348564.1738272168	4367376.53042057	296.87476243081	2831.75317076045	2767.6996135571963	61.5037712465695	64.0306461191845
581	217	160421	11858.8586730351	934957.3170250766	39.44264021419977	-100.7574963	348765.17863262	4367372.48481967	296.724678018789	2829.71474836154	2766.58636871516	61.503171952	65.180192391066
582	217	160422	12518.8586730351	934957.3170250766	39.442392091516	-100.7551405	348966.187056425	4367368.52290213	296.6744262269	2828.208858765967	2763.717632089935	61.503712070400234	65.487505357337
583	217	160423	13178.8586730351	934957.3170250766	39.442638412519536	-100.7528047	349167.1880414834	4367364.517428004	296.5424705	2826.403507684335	2762.68744885735	62.7849496	63.752373788172
584	217	160424	13838.8586730351	934957.3170250766	39.44263748900387	-100.750469	349368.1929513515	4367360.50695349	296.4001450547874	2826.61782267291	2762.3361318070458	62.768221753336	62.0795943239418
585	217	160425	14488.8586730351	934957.3170250766	39.4426362036817	-100.7481333	349569.1973554504	4367356.493939735	296.26580508847	2822.889348580587	2761.803476050205	61.085917350901	60.657387690116
586	217	160426	15158.8586730351	934957.3170250766	39.44263550661245	-100.7457976	349770.2016139875	4367352.492036534	296.1527041712282	2821.118909434464	2773.01060992771	61.3870344264769	63.073456467552
587	217	160427	15818.8586730351	934957.3170250766	39.4426348691896	-100.7434264	349971.2057274043	4367348.48481967	296.02454149111	2819.584128981547	2774.2785814681	61.48865894741848	64.826426094667
588	217	160428	16478.8586730351	934957.3170250766	39.4426333474036	-100.7411251	350172.2097571103	4367344.19701321	295.87449713871	2817.450819602745	2771.691152441821	60.551971930025	65.8892516092249
589	217	160429	17138.8586730351	934957.3170250766	39.44263231946251	-100.7387904	350373.216818191	4367340.417180195	294.721766373005	2815.8161077911404	2769.30629384567	61.503712070400234	65.487505357337
590	217	160430	17798.8586730351	934957.3170250766	39.44263100388644	-100.7364547	350574.2172965284	4367336.46444151	293.837623617574	2814.053292045792	2747.483895048506	61.503712070400234	65.487505357337
591	217	160431	18458.8586730351	934957.3170250766	39.442629761032784	-100.7341189	350775.2208033621	4367332.458306751	293.6129430163995	2812.2902873205414	2746.0593847426267	61.503712070400234	65.487505357337
592	217	160432	19118.8586730351	934957.3170250766	39.44262847655905	-100.7317832	350976.242197948	4367328.452173015	293.4210326208046	2744.8833612438057	2744.336448840105	61.503712070400234	65.487505357337
593	217	160433	19778.8586730351	934957.3170250766	39.44262714695906	-100.7294475	351172.2274651375	4367324.44623916	293.2058301130707	2743.687710305343	2742.189794	61.503712070400234	65.487505357337
594	217	160434	20438.8586730351	934957.3170250766	39.44262591245967	-100.727118	351378.230656579	4367320.43734411	293.024678018789	2742.025112	2741.29636871516	61.503712070400234	65.487505357337
595	217	160435	21098.8586730351	934957.3170250766	39.4426245340914	-100.724776	351579.2352242662	4367316.43949286	292.741726919317	2805.2611615921437	2740.390711323135	61.503712070400234	65.487505357337
596	217	160436	21758.8586730351	934957.3170250766	39.44262287453176	-100.7224403	351780.23634615	4367312.42967713	291.49678615939	2803.50603024731	2739.0133829142014	61.503712070400234	65.487505357337
597	217	160437	22418.8586730351	934957.3170250766	39.4426213777215	-100.7201406	351981.23009353	4367308.42562496	291.2851087115693	2801.747063	2737.59448801284	61.503712070400234	65.487505357337
598	217	160438	23078.8586730351	934957.3170250766	39.442619822181264	-100.7177689	352182.2415371444	4367304.41965296	291.031766073454	2799.983473161201	2736.073297633578	61.503712070400234	65.487505357337
599	217	160439	23738.8586730351	934957.3170250766	39.44261821856295	-100.7154332	352383.2432204126	4367300.419496112	290.823191494812	2798.251056974834	2734.31839310932	61.503712070400234	65.487505357337
600	217	160440	24398.8586730351	934957.3170250766	39.44261676429316	-100.7130474	352584.2641624506	4367296.41043487	290.675677693938	2796.74414564	2732.5456570221697	61.503712070400234	65.487505357337
601	217	160441	25058.8586730351	934957.3170250766	39.4426151868157	-100.710718	352785.26987436	4367292.41094802	290.479217468951	2794.627147468154	2730.72143938978	61.503712070400234	65.487505357337
602	217	160442	25718.8586730351	934957.3170250766	39.44261351019746	-100.708426	352986.2506	4367288.40249782	290.256790554028	2792.87910771478	2728.18730177272	61.503712070400234	65.487505357337
603	217	160443	26378.8586730351	934957.3170250766	39.4426113640151	-100.7060903	353187.2503679246	4367284.38156861	289.113523420485	2791.08710812557	2727.107187187594	61.503712070400234	65.487505357337
604	217	160444	27038.8586730351	934957.3170250766	39.4426095438563	-100.7037545	353388.2537102965	4367280.39447105	288.9229516203865	2789.20966387813	2726.2732170231079	61.503712070400234	65.487505357337
605	217	160445	27698.8586730351	934957.3170250766	39.4426077442974	-100.7014188	353589.255242104	4367276.3908743	288.734587694306	2787.48776	2724.8224373691032	61.503712070400234	65.487505357337
606	217	160446	28358.8586730351	934957.31702507									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.ft	BRIElevBothKgf.ft	SatHtLogs.ft	SatHtBoth.ft
657	217	160528	90498.8586770335	39.49457130250766	-90.44231180130464	-100.1545617	366868.9371802277	34696956.71886275	2821.204103947735	2577.1506392018915	2584.6852835252787	2595.2048194180547	41.9458196038675	41.9458196038675
658	217	160526	91158.8586770335	39.49457130250766	-90.44230675569806	-100.152226	366869.927191504864	34696952.7488425045	2816.971018118621	2635.940336571205	2581.8511712356448	2599.602406590711	35.4755446693719144	35.4755446693719144
659	217	160527	91818.8586770335	39.49457130250766	-90.44230071586233	-100.1498193	366870.9163330314	34696948.798981715	2817.700867160524	2633.54678114948	2579.2689775655534	2599.1387315862334	34.4117273868044	34.4117273868044
660	217	160528	92478.8586770335	39.49457130250766	-90.4423050874199	-100.1055476	367271.9090223969	34696944.11484055	2817.420718	2631.747195951874	2578.4554667	2597.6350639061748	33.259272902106139	34.1112304569687
661	217	160529	93138.8586770335	39.49457130250766	-90.44228942764901	-100.5052189	370472.8993873356	34696940.82509483	2817.1233844210577	2629.945276667919	2577.7819237682795	2594.533476544349	52.1573528966399	53.4180012325708
662	217	160530	93798.8586770335	39.49457130250766	-90.44228312436645	-100.5028832	370673.8862605684	34696940.838970295	2816.84405905835	2628.1512017159334	2577.652065070272	2593.129637778487	50.49913664393676	35.0218343808474
663	217	160531	94458.8586770335	39.49457130250766	-90.44227797010494	-100.5005475	370874.8794747674	34696932.85209447	2815.50031255345	2626.35288866033	2578.1341756186857	2590.6077145157785	48.5119142473478	35.6853481425266
664	217	160532	94818.8586770335	39.49457130250766	-90.4422717365387	-100.4862118	371075.869737618	34696928.67142002	2813.211169315502	2624.5562748760653	2578.860060609745	2587.7961074227116	46.6902663623012	36.7601381379374
665	217	160533	95138.8586770335	39.49457130250766	-90.44226632083484	-100.4856176	371276.8596687676	34696924.881541554	2812.961080667672	2622.7611080667672	2578.29713432819	2587.09686669217	44.486759685352	34.1756122345534
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667	217	160535	95798.8586770335	39.49457130250766	-90.44225513564736	-100.4912047	371678.83897559403	34696916.01085831	2806.961680958043	2618.181287435525	2575.875891167367	2576.8192235485008	43.3603526807876	42.3602638698474
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670	217	160538	96738.8586770335	39.49457130250766	-90.4422403451189	-100.4841476	372281.8017064607	34696904.95674699	2803.73179394349	2613.86413954231	2565.361765053436	2568.12763682885	48.5024824859774	44.73663171403248
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680	217	160548	97578.8586770335	39.49457130250766	-90.44217320421516	-100.4609046	374291.6925388757	34696861.13823707	2788.21240253837	2599.0809898121	2556.879392466973	2566.831446490314	43.1302134114814	32.1776520107176
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693	217	160561	104098.8586770335	39.49457130250766	-90.4420846491665	-100.4304766	376904.5266836418	34696813.76762162	2781.153782516573	2585.173782516573	2537.674879714227	2537.674879714227	47.47864224357075	47.47864224357075
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695	217	160563	105058.8586770335	39.49457130250766	-90.44207010453573	-100.4258024	377306.4961993451	34696805.48	2775.53694978207	2583.0312291963405	2533.7812681614564	2533.5996906861675	49.41232311	49.41232311
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698	217	160566	107558.8586770335	39.49457130250766	-90.442184824387472	-100.418782	377908.4573957676	34696784.47116438	2780.471168871342	2577.21168871342	2530.1205700394125	2530.1205700394125	49.5578631925943	49.5578631925943
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700	217	160568												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevKgr.f
71	218	160651	-324741.1413	935617.3170250766	39.43898963	-101.9486669	246232.148397669	396944.770625105	3832.5130166186395	3626.99360716615	3506.60949304257	3457.6517963262204	318.3411576741579	169.384158439039447
72	218	160652	-324081.1413	935617.3170250766	39.4390281021433	-101.9463131	246434.5307266594	396940.657104357	3822.1764131104527	3622.564501433045	3506.061166715875	3458.089708376218	318.5033471716976	167.45536364922428
73	218	160653	-323421.1413	935617.3170250766	39.43904281	-101.9469281	247842.4588496824	396941.863826263	3798.828077133703	3615.8029548460273	3468.032943973476	3463.5989718337106	318.52270474345938	161.4638394983172
74	218	160654	-322761.1413	935617.3170250766	39.4390503	-101.9416606	248366.5320246676	396932.430685399	3819.5030409091575	3625.738256801437	3500.8040209915715	3470.0019151102617	318.5401597991215	152.73623077126696
75	218	160655	-322101.1413	935617.3170250766	39.4390706999565	-101.9393252	247037.6317821094	3969628.21789229	3815.07744549232	3621.336890906024	3498.1015765428283	3482.318120208212	318.53211254795648	139.02569060620275
76	218	160656	-321441.1413	935617.3170250766	39.4391063636392	-101.9369898	247238.7421613672	396940.72510313	3810.561944249062	3619.9439184068974	3495.284633335956	3481.7909145969334	318.6648650730143	138.1584038996040
77	218	160657	-320781.1413	935617.3170250766	39.4391301762125	-101.9346543	247439.8486583698	396960.09262146	3806.06465	3618.565212583004	3492.4689213672514	3481.571791681483	318.6295398910406	136.99342597688214
78	218	160658	-320121.1413	935617.3170250766	39.43915292376755	-101.9323189	247460.9512974008	396940.933697605	3801.531351283133	3617.185765151918	3490.49650210165	3482.68910149417525	318.658910149417525	134.6589738459945
79	218	160659	-319461.1413	935617.3170250766	39.43917476480272	-101.9296834	247842.4588496824	396941.863826263	3798.828077133703	3615.8029548460273	3468.032943973476	3463.5989718337106	318.52270474345938	127.2580759699212
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82	218	160662	-317481.1413	935617.3170250766	39.4392400724173	-101.9229771	248445.36654703223	396959.53344654	3796.15404549536	3611.682220580407	3486.4957318577016	3480.760456	318.5274511381149	130.71245142948043
83	218	160663	-316821.1413	935617.3170250766	39.43926177832314	-101.9206416	248646.4697703405	396955.42113721	3794.278949405767	3610.302270088878	3484.5430348710506	3479.5725302932527	318.5274511381149	130.71245142948043
84	218	160664	-316161.1413	935617.3170250766	39.439283413311614	-101.9183062	248847.5727179211	396991.31	3792.77007832662	3608.917621258504	3482.5024042656232	3479.1308943719084	318.5274511381149	129.78251382079685
85	218	160665	-315501.1413	935617.3170250766	39.43930503679614	-101.9159707	249048.6754189148	396957.202076216	3790.81120769348	3607.526898198984	3480.91929070333	3478.823685217078	318.5274511381149	128.702974966234
86	218	160666	-314841.1413	935617.3170250766	39.43932654893627	-101.9136353	249249.7776772218	396953.088368124	3788.852336777333	3606.128175400548	3478.243612	3478.385507467967	318.5274511381149	127.8851033643822
87	218	160667	-314181.1413	935617.3170250766	39.4393480498153	-101.9112998	249450.8807035357	396957.879217147	3788.339035827107	3604.72198483765	3478.069327163185	3478.30540416182	318.5274511381149	126.652671275579
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90	218	160670	-312201.1413	935617.3170250766	39.4394122788485	-101.9042395	250054.1859164206	396956.649	3770.415842681196	3600.439412894433	3469.32962517002	3474.317672244116	318.5274511381149	125.5982136264735
91	218	160671	-311541.1413	935617.3170250766	39.43943398547815	-101.9019858	250255.2864038852	396952.39759809	3766.075664233063	3598.653890507635	3467.653890507635	3472.763558	318.5274511381149	126.22281111935763
92	218	160672	-310881.1413	935617.3170250766	39.43945487313551	-101.8996225	250468.3673695356	396954.43000616	3762.384754523252	3597.519123230674	3464.324712126568	3471.298616	318.5274511381149	126.2205077317276
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95	218	160675	-308901.1413	935617.3170250766	39.4395184622656	-101.8926162	251059.6887841152	396954.10	3751.777654839663	3593.016920188457	3458.259329797907	3467.8236325051037	318.5274511381149	125.8330753254975
96	218	160676	-308241.1413	935617.3170250766	39.43953952036945	-101.8902807	251260.7867300974	396941.905048227	3749.03161393519	3591.4970332901	3456.552591624295	3467.251838134104	318.5274511381149	125.8330753254975
97	218	160677	-307581.1413	935617.3170250766	39.4395605693965	-101.8879542	251461.88849585	396957.886730364	3746.928563271684	3589.92465379905	3454.888538252595	3468.025175302304	318.5274511381149	125.8330753254975
98	218	160678	-306921.1413	935617.3170250766	39.43958157331579	-101.8856097	251662.987284782	396953.79	3743.95318080818	3588.351554411663	3453.0541170110178	3469.031474423494	318.5274511381149	125.8330753254975
99	218	160679	-306261.1413	935617.3170250766	39.43960252321215	-101.8833743	251864.0877224012	396956.287017839	3740.39167043824	3586.7651272584	3452.03248697354	3469.03248697354	318.5274511381149	125.8330753254975
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101	218	160681	-304941.1413	935617.3170250766	39.43964434396084	-101.8786033	252266.28480707123	396952.45539144	3732.87895153142	3583.638870212333	3448.681713003145	3467.039394036804	318.5274511381149	125.8330753254975
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103	218	160683	-303621.1413	935617.3170250766	39.43968659162304	-101.8739324	252668.4817373164	396953.124191533	3725.282568666668	3580.256640306654	3446.960625271718	3465.525777	318.5274511381149	125.8330753254975
104	218	160684	-302961.1413	935617.3170250766	39.43970664946842	-101.8715969	252869.5793554936	396954.13429705	3721.591469652635	3578.5974528378265	3445.10291800525	3464.14791610373014	318.5274511381149	125.8330753254975
105	218	160685	-302301.1413	935617.3170250766	39.43972737307617	-101.8692614	253070.677625349	396956.07675849	3717.214563643833	3576.52619888046	3443.7526844271495	3463.05260449421	318.5274511381149	125.8330753254975
106	218	160686	-301641.1413	935617.3170250766	39.43974802827755	-101.8669259	253271.7750529891	396956.122129692	3715.172126250404	3575.24354247824	3442.72396747424	3461.81221303689	318.5274511381149	125.8330753254975
107	218	160687	-300981.1413	935617.3170250766	39.4397685763165	-101.8645905	253472.8732636283	396946.814920053	3711.422677139693	3573.9456782482818	3441.705996828866	3456.970414400024	318.5274511381149	125.8330753254975
108	218	160688	-300321.1413	935617.3170250766	39.43978913132832	-101.862255	253673.9693746816	396942.70862062	3711.950571096496	3571.844343	3440.634670574813	3453.183723006351	318.5274511381149	125.8330753254975
109	218	160689	-299661.1413	935617.3170250766	39.43981063901268	-101.8599195	253875.0677272395	396943.60140034	3712.47923710353	3570.1282127069235	3439.5121944731027	3446.086307616594	318.5274511381149	125.8330753254975
110	218	160690	-299001.1413	935617.3170250766	39.439830110518476	-101.8575874	254077.1627256018	396949.47525046	3713.007517100957	3568.041522132505	3438.348479	3447.54569617342	318.5274511381149	125.8330753254975
111	218	160691	-298341.1413	935617.3170250766	39.43985051904447	-101.8552485	254277.2590353065	396941.392119795	3712.406108522344	3566.646971626786	3437.40444470993	3446.15669677895	318.5274511381149	125.8330753254975
112	218	160692	-297681.1413	935617.3170250766	39.4398708	-101.852913	254478.3510204537	396946.787	3710.6701713736643	3564.917698250035	3435.8701	3444.835028092396	318.5274511381149	125.8330753254975
113	218	160693	-297021.1413	935617.3170250766	39.43989124862669	-101.8506259	254679.4591420221	396947.818301247	3710.172126250404	3563.9454217865	3434.72396747424	3461.81221303689	318.5274511381149	125.8330753254975
114	218	160694	-296361.1413	935617.3170250766	39.439911550074915	-101.8484221	254880.5460547644	396948.07148844	3710.21817073595	3561.395787265508	3432.740065296229	3437.324446077128	318.5274511381149	125.8330753254975
115	21													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevKgs.ft	BR/ElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
197	218	16077	-241581.1413	935617.3170250766	39.44143765119404	-101.6543921	72170.65473714704	4399128.104270004	3574.4801576861237	3249.72803509159626	3300.3179094092871	3304.314153555524	3291.3901407309176	125.4138196043963
198	218	16078	-240021.1413	935617.3170250766	39.44145414	-101.6520665	72171.73067834024	4399124.01626319	3576.55638835007	3249.43191802527	3298.8302896215205	3291.975470822527	126.1601630181308	126.4535489802565
199	218	16079	-240021.1413	935617.3170250766	39.44143089116825	-101.6520665	72172.9028494754	4399119.1522204	3578.4419819696139	3249.4496851755	3298.92336354049	3299.148985274282	126.2192126912863	127.8971385747317
200	218	16080	-239601.1413	935617.3170250766	39.44148699342164	-101.6473853	72173.8818856499	4399115.84260749	3577.116843801128	3245.8579111433713	3295.3029958779266	3297.4654527421865	130.55491258539072	124.1262767135085
201	218	16081	-238841.1413	935617.3170250766	39.44150356806506	-101.6450497	72273.95415252803	4399111.76138886	3574.7916921395803	3243.56718524087003	3293.6401991393238	3296.645575530731	130.9352732964214	126.930297179492
202	218	16082	-238281.1413	935617.3170250766	39.441519662711384	-101.6427141	72725.76032944734	4399107.6692252594	3572.4665413102537	3242.295238329444	3291.9763187102784	3292.369257250206	131.31780051266064	126.9349257948184
203	218	16083	-237621.1413	935617.3170250766	39.441535929738606	-101.6403785	72727.1071122621	4399103.583	3576.184843141205	3242.0132680732347	3290.47373436276	3290.350627825472	131.53935326796128	131.6626401874774
204	218	16084	-236961.1413	935617.3170250766	39.441552151590166	-101.6380429	72729.81710610623	4399099.49741852	3575.24724120407	3240.12969696773	3289.2904747175176	3288.025367474335	131.4387192252017	132.33590494493
205	218	16085	-236361.1413	935617.3170250766	39.441568946901	-101.6357073	72719.25667611596	4399094.56284734	3574.7855581015614	3240.148973692867	3287.051044130431	3287.051044130431	131.3889636676183	127.8971385747317
206	218	16086	-235641.1413	935617.3170250766	39.44158445694635	-101.6333718	72719.3302224912	4399091.325364343	3575.055094995292	3241.1857376452	3286.603380523314	3284.253291782192	131.5420235112047	131.931049139425604
207	218	16087	-234981.1413	935617.3170250766	39.441600055	-101.6310362	733891.041454408	4399087.204150879	3581.188919365014	3246.83784575118	3285.436041425283	3280.82861106688	131.4018432589877	136.0089846450053
208	218	16088	-234321.1413	935617.3170250766	39.4416165873879	-101.6287006	73782.47784512705	4399083.155	3579.925631210757	3245.5154401734885	3284.373476153066	3276.750620964145	131.4196484442258	136.748207233334
209	218	16089	-233661.1413	935617.3170250766	39.44163258411272	-101.626365	73983.5513218888	4399079.0982303	3578.664143	3244.173344442788	3283.4661354503328	3269.63217241954	130.691199	144.5450270232627
210	218	16090	-233001.1413	935617.3170250766	39.44164853526996	-101.6240293	74184.62457579724	4399074.9046333	3577.40129234316945	3242.82252405435014	3273.147114844234	3270.3009377309307	136.6784197236022	136.3581942436022
211	218	16091	-232341.1413	935617.3170250766	39.441664444113174	-101.6218387	74385.69760710327	4399070.390316834	3575.774002140019	3241.1455995	3281.39670578688	3275.059685	130.05928574883185	136.368412544498028
212	218	16092	-231681.1413	935617.3170250766	39.441680320239804	-101.6193581	74596.7810410096	4399068.615874529	3573.63042069629	3240.0749140771333	3280.18662662364	3266.90146216904	129.88528450478942	123.11476840272938
213	218	16093	-231021.1413	935617.3170250766	39.44169611804654	-101.6170225	74787.8430027247	4399067.31639412	3573.578639839678	3240.871046062762	3278.108164931623	3279.5855047934137	129.56893607104952	129.081563890258
214	218	16094	-230361.1413	935617.3170250766	39.44171188740205	-101.6146869	74988.9153674544	4399068.574611476	3569.444785129447	3240.2619043494714	3277.851654578848	3278.5750154213097	129.57454896024137	127.6688901816716
215	218	16095	-229701.1413	935617.3170250766	39.44172761431803	-101.6123513	75189.98510400385	4399065.56379014	3568.1820304156014	3240.8291527481274	3276.424673	3282.1712084786186	126.4048401068576	123.65794246950879
216	218	16096	-229041.1413	935617.3170250766	39.44173294717964	-101.6100157	757391.0594317779	4399059.480411718	3567.478999125557	3240.739892125557	3274.983942391569	3281.6255913934879	126.3504973139679	122.72641721007541
217	218	16097	-228381.1413	935617.3170250766	39.441758903125561	-101.6078081	75952.13131712626	4399046.397	3572.317169109019	3240.2911913007086	3273.4027192196424	3281.08466640991	129.5091839877622	121.8724709162767
218	218	16098	-227721.1413	935617.3170250766	39.4417740320534	-101.6053445	76793.20261062396	4399042.315781397	3572.8847384431265	3240.42195837755	3271.8243744530623	3279.8825676774	129.467850845626	121.854668998078
219	218	16099	-227061.1413	935617.3170250766	39.4417900546901	-101.602906	76984.2736881024	4399038.452787987	3572.497917448514	3240.367919313072	3270.48931574743	3278.4082106871367	129.025112036459	121.85811078293
220	218	16100	-226401.1413	935617.3170250766	39.44180055546654	-101.600673	77615.3440056389	4399034.107472355	3573.619151	3398.402032464176	3272.6258911090623	3276.751405626296	131.4541050545526	121.6886155414975
221	218	16101	-225741.1413	935617.3170250766	39.4418210034798	-101.5983377	77636.94157222445	4399037.695321918	3568.895144179185	3265.8036028083615	3274.16914265527	3271.0889160983703	122.7259943136572	122.7259943136572
222	218	16102	-225081.1413	935617.3170250766	39.44183643011324	-101.596002	767597.8463184679	4399025.98245956	3569.347515770044	3263.9445096038116	3268.7280928913	3271.4129059732268	126.5846026783132	126.5846026783132
223	218	16103	-224421.1413	935617.3170250766	39.441851794762314	-101.593664	76798.556694578	4399021.90081498	3570.1493419685244	3262.450832326043	3261.465788928414	3261.465788928414	131.3568017548941	131.3568017548941
224	218	16104	-223761.1413	935617.3170250766	39.44186711229571	-101.5913038	76799.626857535	4399017.818725408	3566.323629220054	3262.540642431454	3260.4794610700774	3263.88665234776	131.7670431706803	133.6037671966776
225	218	16105	-223101.1413	935617.3170250766	39.441882387141175	-101.5888852	76799.626857535	4399013.76129668	3566.497917448514	3260.4794610700774	3263.88665234776	3263.88665234776	131.7670431706803	133.6037671966776
226	218	16106	-222441.1413	935617.3170250766	39.441897810712108	-101.5864568	77401.769014816789	4399008.65453618	3568.6744923723223	3260.4794610700774	3263.88665234776	3263.88665234776	131.7670431706803	133.6037671966776
227	218	16107	-221781.1413	935617.3170250766	39.441912802196136	-101.584324	77602.83600176655	4399005.44907346	3558.558110819396	3387.9441972722613	3254.101847	3255.27910363949	131.2611782332124	131.2611782332124
228	218	16108	-221121.1413	935617.3170250766	39.4419271426381	-101.5819833	77803.9052082025	4399001.57921153	3553.1565376698313	3385.8883567698313	3251.83897832433	3252.488436026502	134.043958373982	133.999027433292
229	218	16109	-220461.1413	935617.3170250766	39.4419430435215125	-101.5796527	77800.4734338962	4398999.421049027	3550.75319823077	3384.2722357843077	3249.361243434227	3249.69612953094	134.01909235088495	134.01909235088495
230	218	16110	-219801.1413	935617.3170250766	39.441958084050054	-101.5773717	778206.041801366	4398993.31340625	3548.3305691431367	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
231	218	16111	-219141.1413	935617.3170250766	39.44197308776853	-101.5749812	77840.1116024096	4398989.25087561	3546.252402388628	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
232	218	16112	-218481.1413	935617.3170250766	39.4419882387141175	-101.572549	77854.2736881024	4398984.514564136	3544.5429237413072	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
233	218	16113	-217821.1413	935617.3170250766	39.4420059565154	-101.5703102	77869.2483934714	4398980.94035061	3542.7172324732723	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
234	218	16114	-217161.1413	935617.3170250766	39.44201782822521	-101.5679746	779010.3164	4398977.01549164	3540.877619783561	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
235	218	16115	-216501.1413	935617.3170250766	39.44203265147771	-101.565639	77921.38411215856	4398973.83007208	3540.918547017599	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
236	218	16116	-215841.1413	935617.3170250766	39.442047429613666	-101.5633033	779412.45164521807	4398968.551398431	3540.877619783561	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
237	218	16117	-215181.1413	935617.3170250766	39.44206216236302	-101.5609977	779613.5189612104	4398964.72	3540.7005944826302	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
238	218	16118	-214521.1413	935617.3170250766	39.44207680939125	-101.5586321	77984.1586595732	4398960.93057032	3546.9161890543	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
239	218	16119	-213861.1413	935617.3170250766	39.442091784265207	-101.556298	77999.626857535	4398956.514564136	3544.5429237413072	3246.98327052035	3246.98327052035	3246.98327052035	134.01909235088495	134.01909235088495
240	218	16120	-213201.1413	935617.3170250766	39.44210600903576	-101.553908	77999.626857535	4398952.53561004	3546.9161890543	3246.98327052035	3246.98327052035	3246.98327052		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevKgs.ft	BR/ElevKgs.ft	SatHtKgs.ft	SatHtBoth.ft
328	218	169093	-158421.1413	935617.3170250766	39.444316042	-101.3601004	296904.51812359045	4386814.728939374	3410.25176883666	326.865684423494	3130.7133424915896	3138.2044458210376	106.1523399519042	98.6612636254627
329	218	169094	-157761.1413	935617.3170250766	39.44317122601615	-101.3577467	297105.5673	4386810.76674582	3410.055919433076	325.601871216263	3128.955835862929	3137.18774921902	106.64503622097436	98.4140971943611
330	218	169095	-157101.1413	935617.3170250766	39.44318186867461	-101.355425	297306.162275258	4386805.608571528	3409.869070249054	324.24114353974	3127.892431194899	3136.4964927074338	106.42812114085818	97.833369839922741
331	218	169096	-156441.1413	935617.3170250766	39.44317026214326	-101.3530043	297507.66513065225	4386802.545699793	3409.664260177953	321.3273504842916	3127.325238452916	3135.30657862668	105.4905697933265	97.6942275675903
332	218	169097	-155781.1413	935617.3170250766	39.4432037863527	-101.3507576	297708.7173322084	4386808.485034753	3408.9614816193283	321.720354529526	3125.976777478723	3133.1335956980812	105.74357768075652	98.5867893144758
333	218	169098	-155121.1413	935617.3170250766	39.44324005937406	-101.3484219	297909.76214124076	4386814.454572566	3407.771963088413	323.3013392556254	3121.6548724597383	3127.32275853433	103.15861040318441	98.15861040318441
334	218	169099	-154461.1413	935617.3170250766	39.44322458812072	-101.3460862	298110.103849147	4386803.364222457	3406.575745575895	322.0492092817327	3117.0311625961776	3121.088923164718	102.010928855502	107.95316931701032
335	218	169100	-153801.1413	935617.3170250766	39.44323512518518	-101.3437505	298311.8585835494	4386886.304275941	3405.37956596866	322.67162869882	3114.4017427631176	3117.3129726523786	102.17200945236581	110.4338956175032
336	218	169101	-153141.1413	935617.3170250766	39.44324671713598	-101.3414146	298512.90628962825	4386892.244	3404.5728173974847	322.6042914828146	3116.2319743976194	3116.2319743976194	102.3354462719552	97.833369839922741
337	218	169102	-152481.1413	935617.3170250766	39.4432505326265	-101.3390791	298717.9538398984	4386878.147879734	3404.15525891323	322.488438495221	3114.3840142143517	3116.601545228266	102.48343434839	106.268984203346
338	218	169103	-151821.1413	935617.3170250766	39.4432664656706	-101.3367434	298915.0013002218	43868574.125370485	3403.7382403815528	322.3433019381945	3115.176892829415	3116.62584648772	102.56274000677963	109.77131728942231
339	218	169104	-151161.1413	935617.3170250766	39.4432786225932	-101.3344077	299116.0485	43868570.06610253	3403.320591849773	321.9778066494137	3115.8457077550397	3113.995376404493	102.31209894873074	97.982430604793
340	218	169105	-150501.1413	935617.3170250766	39.44328713372925	-101.3320272	299371.0955411823	4386810.95699782634	3402.95699782634	322.408092691837	3116.3071069913135	3114.5430527233054	104.190857337055	105.96503641853156
341	218	169106	-149841.1413	935617.3170250766	39.4432974	-101.3297363	299518.142362601	4386861.484232654	3399.64284180218	321.982667621707	3116.560905881923	3115.1548687051462	102.431727331456	103.8380057024473
342	218	169107	-149181.1413	935617.3170250766	39.4432974	-101.3274006	299719.18899452048	4386857.88972334	3397.322668718475	321.467160174282324	3116.63421733357	3115.1548687051462	102.2726973250648	107.95316931701032
343	218	169108	-148521.1413	935617.3170250766	39.44331778742512	-101.3250469	299920.234263442	4386853.813277374	3396.016052975457	321.900500640478	3116.524397	3115.382802151911	99.3710397137773	97.1770081211221
344	218	169109	-147861.1413	935617.3170250766	39.44332798419015	-101.3227292	300121.28161678	4386849.77313176	3392.86852529813	321.4134249019576	3116.305343394706	3118.216888239854	98.08090563	96.10356049019174
345	218	169120	-147201.1413	935617.3170250766	39.44333801423936	-101.3203934	300322.32770133205	4386855.75151039	3391.240085529642	321.720091315874	3115.980352209354	3117.6606098288156	96.72139710611964	95.0359628281853
346	218	169121	-146541.1413	935617.3170250766	39.44334805504977	-101.3180577	300523.379	4386841.45737291	3389.483458767075	321.1065419770746	3115.741071	3117.199869994306	96.3234859109571	93.86554877635524
347	218	169122	-14581.1413	935617.3170250766	39.44335805866534	-101.315722	300724.419192806	4386837.598903671	3387.747600620403	320.940613419742	3115.3076576609073	3116.589142976822	94.755465609073	107.95316931701032
348	218	169123	-145221.1413	935617.3170250766	39.44336801204185	-101.3133863	300925.464542407	4386833.542483242	3385.762092996456	320.728732506858	3114.64153712991	3115.603868115357	93.0845783996617	92.124865993221
349	218	169124	-144561.1413	935617.3170250766	39.4433779056277	-101.311006	301126.5096024122	4386835.5965827894	3383.539364055383	320.630716555383	3113.31607517942	3115.648069113907	92.5920080393937	92.4912636448447
350	218	169125	-143921.1413	935617.3170250766	39.4433877688211	-101.2783509	301411.1544557	4386841.92362519	3381.51689240715	320.630716555383	3113.31607517942	3115.648069113907	92.5920080393937	92.4912636448447
351	218	169126	-143241.1413	935617.3170250766	39.44339782804234	-101.3063792	301528.5983717945	4386821.371570912	3379.05873339887	320.652392177477	3108.104122464783	3107.862905366403	94.54520712	94.7894242135716
352	218	169127	-142581.1413	935617.3170250766	39.44340375	-101.3040435	301729.644504157	4386813.501308262	3376.8182809385	320.808531676603	3105.780690507587	3105.4242921867	95.5608247437624	95.5608247437624
353	218	169128	-141921.1413	935617.3170250766	39.44341770700525	-101.3017707	301930.68882598	4386813.25870364	3374.980765	319.936296139873	3103.826974	3103.245009629742	95.5366575	96.19196210305
354	218	169129	-141261.1413	935617.3170250766	39.44342675880793	-101.299372	302131.7326654313	4386809.205752105	3372.9797024128748	320.797024128748	3105.75872529985	3101.75872529985	97.02089838124836	97.02089838124836
355	218	169130	-140601.1413	935617.3170250766	39.44343639149125	-101.2970303	302332.7773564207	4386805.146562887	3370.97674	319.61845625416804	309.761732612621	97.0475472947695	98.7568032005948	98.7568032005948
356	218	169131	-139941.1413	935617.3170250766	39.44344961915551	-101.2947068	302533.12312525575	4386801.828617897	3368.954125181638	319.61845625416804	309.761732612621	97.0475472947695	98.7568032005948	98.7568032005948
357	218	169132	-139281.1413	935617.3170250766	39.443453542619	-101.2923469	302734.44532515	4386807.046250054	3366.910746250054	319.041777239124	309.761732612621	97.0475472947695	98.7568032005948	98.7568032005948
358	218	169133	-138621.1413	935617.3170250766	39.443465024826025	-101.2900292	302935.908461021	4386810.98122657	3364.985838330115	319.041777239124	309.761732612621	97.0475472947695	98.7568032005948	98.7568032005948
359	218	169134	-137961.1413	935617.3170250766	39.44347474903232	-101.2876934	303173.9517799608	4386848.92507495	3362.82030401224	319.041777239124	309.761732612621	97.0475472947695	98.7568032005948	98.7568032005948
360	218	169135	-137301.1413	935617.3170250766	39.44348389	-101.285357	303337.99402819	4386844.801733028	3360.85031554963	319.091247507624	308.630145018356	308.35136237849	104.6887118740642	97.1399123269684
361	218	169136	-136641.1413	935617.3170250766	39.4434935206896	-101.283022	303539.037828214	4386840.81547352	3358.57604179133	319.091247507624	308.630145018356	308.35136237849	104.6887118740642	97.1399123269684
362	218	169137	-135981.1413	935617.3170250766	39.4435025709532	-101.2806863	303740.0805705436	4386846.76067752	3353.097750277072	319.091247507624	308.630145018356	308.35136237849	104.6887118740642	97.1399123269684
363	218	169138	-135321.1413	935617.3170250766	39.44351184954515	-101.2783509	303941.123154457	4386847.76067752	3349.617785240715	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
364	218	169139	-134661.1413	935617.3170250766	39.443521073273665	-101.2760148	304142.1654658254	4386846.56256762	3346.398741599619	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
365	218	169140	-134001.1413	935617.3170250766	39.4435302676375	-101.2736791	304343.20762288	4386844.59673535	3343.441590034404	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
366	218	169141	-133341.1413	935617.3170250766	39.44353939513443	-101.2713434	304544.2495845573	4386840.81547352	3341.8196754510992	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
367	218	169142	-132681.1413	935617.3170250766	39.4435484838566	-101.2690077	304745.313662193	4386846.49166071	3337.52728690394	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
368	218	169143	-132021.1413	935617.3170250766	39.44355735651742	-101.2666719	304946.332629092	4386842.33817343	3335.63786871544	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
369	218	169144	-131361.1413	935617.3170250766	39.44356653952901	-101.2643362	305147.37457405	4386848.3850116	3332.56173769157	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
370	218	169145	-130701.1413	935617.3170250766	39.44357571658211	-101.2620077	305348.400575573	4386844.59673535	3329.5412301929	318.908290524002	319.091247507624	308.630145018356	104.6887118740642	97.1399123269684
371	218	169146	-130041.1413	935617.3170250766	39.4435844119195726	-101.2596848	305549.456	4386847.76067752	3327.51157615575	317.91344460818	317.91344460818	317.91344460818	102.7224263747063	102.7224263747063
372	218	169147	-129381.1413	935617.3170250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f.t	BR/ElevKft.f.t	SurfElev.f.t	SurfElev.ft
439	218	161029	-75261.14133	935617.3170250766	-0.4441668823866	-0.10657978	322235.2162605459	4388104.629373971	308.4052334841836	338.9552344547964	2982.1222076809094	2982.274278358683	56.88326648689236	56.8804526982090956
450	218	161030	-74601.14133	935617.3170250766	-0.444172045027016	-0.10634462	322346.21581616185	4388100.594042612	308.337212526522	307.4444675207474	2980.0386758927576	2980.0905115840815	57.43408593666264	57.43408593666264
451	218	161031	-73841.14133	935617.3170250766	-0.444417326812126	-0.10612618	322857.2673562963	4388096.959	308.904966697307	303.945676111354	2977.73825963392	2977.73825963392	58.2173367961945	58.2173367961945
452	218	161032	-73261.14133	935617.3170250766	-0.44418145212126	-0.10587905	322838.292914954517	4388092.533491841	307.106348541753	303.45943347933	2975.98218596143	2975.7466440772378	58.7442381196048	58.71827904210141
453	218	161033	-72621.14133	935617.3170250766	-0.44418192204407	-0.10564547	323039.31812044356	4388088.4848020414	3205.311742239343	302.9379860531048	2974.985189432173	2974.761441980723	57.9947963003199	58.2185450035245
454	218	161034	-71961.14133	935617.3170250766	-0.444191024435946	-0.10541189	323240.3431523638	4388084.454680277	3203.5157136232	303.502388733807	2975.087906146795	2975.222702170969	56.41645227	56.283100716420595
455	218	161035	-71301.14133	935617.3170250766	-0.444196941517696	-0.10517832	323441.3680136363	4388080.42	3200.60312843547827	303.0368487254764	2974.86466825589	2975.235157679315	55.1721829	54.80090117540483
456	218	161036	-70641.14133	935617.3170250766	-0.44420179347511	-0.10494474	323642.392701775865	4388076.386239858	319.67562850048	3028.572659	2974.193239984604	2974.5399207237487	54.794187295816	54.80037179906027
457	218	161037	-69981.14133	935617.3170250766	-0.444206600311816	-0.10471116	323847.4172	4388072.852237522	318.549122845413	3027.113277407182	2974.58471007078	2975.464652453206	52.54901357007857	52.54901357007857
458	218	161038	-69321.14133	935617.3170250766	-0.4442113620783	-0.10447759	324044.4415607505	4388068.31826015	318.520027855783	3025.659204359895	2974.475293710715	2974.306519170778	51.1831901255474	51.35285256211316
459	218	161039	-68661.14133	935617.3170250766	-0.44421760825416	-0.1042401	324245.4658346038	4388064.28116725	318.49565729348	3024.05423847934	2974.66007626847	2974.199727375874	49.4444735784541	50.05690901
460	218	161040	-68001.14133	935617.3170250766	-0.44422057009991	-0.10401043	324446.489837843	4388060.251820181	318.745913196682	3022.752304721236	2975.270628542883	2974.24780991214	47.48147787	48.50447437092249
461	218	161041	-67341.14133	935617.3170250766	-0.44422537645364	-0.10377868	324647.5136573654	4388056.172728872	318.7952968203453	3021.300079804134	2976.2651949336473	2973.1716785298044	45.40348870	47.58840127
462	218	161042	-66681.14133	935617.3170250766	-0.44422995768663	-0.10354328	324848.53732467105	4388042.18542793	317.95314044417993	3019.848891060777	2977.98261613853963	2977.98261613853963	44.66281726091404	46.42423145004953
463	218	161043	-66021.14133	935617.3170250766	-0.4442344879884	-0.10330307	325049.5688172937	4388038.51619332	317.9339097931979	3018.997225430516	2980.225572710078	2977.1862645823285	38.1715081196441	42.41308996072307
464	218	161044	-65361.14133	935617.3170250766	-0.44423898479027	-0.10307613	325250.5841303081	4388044.12086282	317.9131692492405	3016.953634591683	2982.08156161908	2982.08156161908	34.147484297522	48.948192190212828
465	218	161045	-64701.14133	935617.3170250766	-0.4442433063693	-0.10284259	325452.60777242146	4388040.08418357	316.972401405892	3015.5110045015	2984.900449148456	2982.0862932703	30.31054530169393	54.7834150269466
466	218	161046	-64041.14133	935617.3170250766	-0.44424783141078	-0.10260897	325651.630254358	4388035.3650585	316.71213124017585	3014.079218494851	2984.882008240405	2983.06068310444	29.191721047404662	60.272529594706474
467	218	161047	-63381.14133	935617.3170250766	-0.44425218703982	-0.10237539	325853.65306126507	4388032.99236185	316.5412705432465	3012.652531999557	2982.7031500876	2982.7031500876	24.2455004968004	61.076354464819
468	218	161048	-62721.14133	935617.3170250766	-0.44425649754808	-0.10214182	326054.6765984073	4388027.024935363	316.317847543779643	3011.234582217604	2982.087345507307	2982.087345507307	31.14592367102978	58.88875460256335
469	218	161049	-62061.14133	935617.3170250766	-0.44426076293512	-0.10190824	326256.6816959676	4388016.93138919	316.32285770147265	3009.822203904605	2972.731858205085	2984.160429690497	37.09044418979555	56.5618727045652
470	218	161050	-61401.14133	935617.3170250766	-0.44426495320252	-0.10167466	326456.7206415304	4388010.93143065	316.0876600491039	3008.419274191066	2966.80450426214	2962.237117120243	41.614868762753	56.1821007082427
471	218	161051	-60741.14133	935617.3170250766	-0.44426918347851	-0.1014458	326657.7426919187	4388004.78548324	315.8492145254871	3007.2824023404	2964.202348204346	2962.237117120243	39.3426158552881	55.8285322549809
472	218	161052	-60081.14133	935617.3170250766	-0.4442733837282	-0.10120751	326858.7654532242	4388001.86326701	315.6455971300273	3005.63901068542	2954.858572078903	2964.10385709794	37.52188696159	55.937467774801
473	218	161053	-59421.14133	935617.3170250766	-0.4442777373276876	-0.10097393	327059.788345184	4388007.878338758	315.456020373045	3004.25986286907	2949.734551	2943.124472720946	51.52542172702046	61.35484242763596
474	218	161054	-58761.14133	935617.3170250766	-0.44428141306075	-0.10074036	327260.8076726025	4388003.807214583	315.686243298434	3002.801919681384	2945.1479478270353	2939.886779314233	57.7422441113031	63.003412659304
475	218	161055	-58101.14133	935617.3170250766	-0.4442854772244	-0.10050878	327461.8294165365	4387999.77695712	315.634679436963	3001.528704478642	2940.905730164253	2936.9698916571983	60.6229743148901	64.5587222144335
476	218	161056	-57441.14133	935617.3170250766	-0.44428937526391	-0.1002732	327662.8507079037	4387995.746819505	315.47109455349435	3000.175438854068	2938.0067935403075	2934.494703973400	62.168985430758684	65.7296384
477	218	161057	-56781.14133	935617.3170250766	-0.44429326184851	-0.10003688	327863.8716262284	4387991.7173291	315.4187134343791	2998.299162277886	2936.2217894112355	2932.299162277886	63.8078871255033	66.958322549809
478	218	161058	-56121.14133	935617.3170250766	-0.4442971590376	-0.09980095	328064.877990324	4387987.47890324	315.3671477983237	2997.48177981134	2934.494703973400	2932.299162277886	63.8078871255033	67.106191
479	218	161059	-55461.14133	935617.3170250766	-0.444300935163014	-0.09957247	328265.9315596065	4387983.568171251	315.34770289711826	2996.138018246408	2930.928633533637	2929.009623	65.2093829102448	67.1238915381802
480	218	161060	-54801.14133	935617.3170250766	-0.444304307420905	-0.09933889	328466.9341755975	4387979.628977815	315.3057078929423	2994.790216951859	2929.440106983405	2929.440106983405	67.47542715532818	67.47542715532818
481	218	161061	-54141.14133	935617.3170250766	-0.44430834815788	-0.09910531	328667.9546	4387975.6	315.2697855276634	2993.4398436690835	2927.980814670048	2926.673455762424	65.4590242008786	66.74638991
482	218	161062	-53481.14133	935617.3170250766	-0.444312106973975	-0.09887174	328868.9794905391	4387971.571206255	312.2545913950304	2992.085743077315	2926.715921876465	2926.715921876465	64.290212008496	64.290212008496
483	218	161063	-52821.14133	935617.3170250766	-0.44431574069913	-0.09863816	329069.9950290536	4387967.546280814	312.030860272848	2990.7285200202577	2925.0688526552485	2926.392530853631	63.558976650293	64.53358918662696
484	218	161064	-52161.14133	935617.3170250766	-0.44431932494316	-0.09840548	329271.014944427	4387963.9145254871	311.84749825714956	2989.37533	2924.02348204346	2924.02348204346	63.346781	65.8285322549809
485	218	161065	-51501.14133	935617.3170250766	-0.44432327695956	-0.09817011	329472.03475165705	4387959.486876316	311.63318884143	2988.012260920543	2922.99944087438	2922.99944087438	65.0128251279075	65.0128251279075
486	218	161066	-50841.14133	935617.3170250766	-0.44432673102895	-0.09793743	329673.0543678185	4387955.458123633	311.6167675189792	2986.65334115303	2921.948411413907	2921.948411413907	65.2139088002196	64.7409227
487	218	161067	-50181.14133	935617.3170250766	-0.44433026242033	-0.09770385	329874.078180246	4387951.4305548	311.3930526824634	2985.293736	2920.8998208377227	2920.81200482056	64.3938148616672	64.6817309988372
488	218	161068	-49521.14133	935617.3170250766	-0.44433369330075	-0.09747027	330075.093102589	4387947.002124735	311.06464639585	2983.93349680806	2920.1049974841967	2920.352455440977	63.82835271	63.59810415388515
489	218	161069	-48861.14133	935617.3170250766	-0.444337339330119	-0.0972367	330276.11221807	4387943.3746402	310.87425875103476	2982.572305161248	2919.2544789790552	2919.2544789790552	63.1666209207189	63.1666209207189
490	218	161070	-48201.14133	935617.3170250766	-0.44433991314867	-0.09700312	330477.1317550476	4387939.34831213	310.6418784	2981.2116324780574	2918.5967189734248	2918.5967189734248	62.605862249174	62.624155003068
491	218	161071	-47541.14133	935617.3170250766	-0.44434359131867	-0.09676936	330678.1318324	4387935.318324	310.47176857484915	2980.3717324	2917.618574848915	2917.618574848915	62.173224	62.173224
492	218	161072	-46881.14133	935617.3170250766	-0.4443471	-0.09653196	330879.312465012	4387931.2465012	310.319513202451	2979.40571905245	2915.714061316771	2914.937086475066	62.173224	62.173224
493	218	161073	-46221.14133	935617.3170250766	-0.44435095956822	-0.09630239	331080.18704743555	4387927.268112977	309.97239629					

ix	iy	ic	X.Rr	Y.Rr	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgrg.f	BRIElevBoth.f	SatHtKgrg.f	SatHtBoth.f
575	218	16155	8588.85867303351	935617.3170250766	39.44445701263613	-100.7714898	347563.1601699566	4367597.789515782	2991.03362377714	280.483952343318	2785.3649691476317	2785.5729984421732	54.48898319566818	55.260939
576	218	16156	8588.85867303351	935617.3170250766	39.44445656	-100.769154	347764.1656709045	4367593.790970551	2978.2975802068972	2809.063903442763	2781.8983176129164	2782.029533177903	57.18559031359844	56.99099971250598
577	218	16157	8588.85867303351	935617.3170250766	39.4444558974544	-100.7681083	347971.1935776072	4367593.790970551	2978.2975802068972	2809.063903442763	2781.8983176129164	2782.029533177903	57.18559031359844	56.99099971250598
578	218	16158	8588.85867303351	935617.3170250766	39.444455189563286	-100.7644285	348166.1762522484	4367585.761	2977.0206814551875	2835.50553687396	2747.7933182579	2774.7996831887766	60.92071250481894	60.7702049806054
579	218	16159	8588.85867303351	935617.3170250766	39.44445461299955	-100.7621467	348367.1813197977	4367581.7253600447	2970.025483	2831.87126	2771.216571814571	2771.216571814571	62.4883132077556	62.4883132077556
580	218	16160	8588.85867303351	935617.3170250766	39.444453748574505	-100.7598109	348568.1862405086	4367577.746033075	2969.545064903384	2832.05721649614	2768.133047025259	2768.133047025259	63.89748526975794	63.89748526975794
581	218	16161	8588.85867303351	935617.3170250766	39.44445296039968	-100.7574571	348769.1910146482	4367573.73308025	2968.0646557307564	2830.296073066447	2765.5150388223587	2765.5150388223587	64.87103418	64.87103418
582	218	16162	8588.85867303351	935617.3170250766	39.444452112702736	-100.7551393	348970.195642409	4367569.72698818	2968.58424110734	2828.53110873625	2763.252817702834	2763.252817702834	65.2802971134164	65.2802971134164
583	218	16163	8588.85867303351	935617.3170250766	39.4444514686464	-100.7528036	349171.2001420032	4367567.188275455	2968.88147213067	2828.768815608875	2761.618568733855	2761.618568733855	65.15026948702401	65.15026948702401
584	218	16164	8588.85867303351	935617.3170250766	39.44445032514531	-100.7504678	349372.204456307	4367561.7109811205	2960.970359154525	2825.004105190507	2760.181448269038	2760.181448269038	64.6514027553915	64.6514027553915
585	218	16165	8588.85867303351	935617.3170250766	39.44444935648481	-100.748132	349573.2086494806	4367557.703	2956.054526983147	2823.240091479882	2758.4167172006026	2758.4167172006026	64.8284171891918	64.8284171891918
586	218	16166	8588.85867303351	935617.3170250766	39.44444834270311	-100.7457962	349774.21269381116	4367553.6957502	2951.138797810874	2821.477039	2755.57522738643	2755.57522738643	65.08116336967	65.08116336967
587	218	16167	8588.85867303351	935617.3170250766	39.4444472830024	-100.743604	349975.21692774	4367549.685481832	2947.2117032214106	2819.715171306113	2752.685489974947	2752.685489974947	65.2908081306156	65.2908081306156
588	218	16168	8588.85867303351	935617.3170250766	39.4444461977562	-100.7411247	350177.220465137	4367545.81	2941.2344727773582	2817.955524898396	2750.1761374780584	2750.1761374780584	67.7793514023312	67.7793514023312
589	218	16169	8588.85867303351	935617.3170250766	39.4444450063035	-100.738789	350372.7625535943	4367541.6744446	2941.2344727773582	2817.955524898396	2750.1761374780584	2750.1761374780584	68.00429796017	68.00429796017
590	218	16170	8588.85867303351	935617.3170250766	39.4444438363632	-100.7364531	350578.22751954116	4367537.67777096	2938.398147638705	2814.44408470233	2746.383603378467	2746.383603378467	68.00429796017	68.00429796017
591	218	16171	8588.85867303351	935617.3170250766	39.44444259697629	-100.7341173	350797.2308391626	4367533.6129563	2938.398147638705	2814.44408470233	2746.383603378467	2746.383603378467	68.00429796017	68.00429796017
592	218	16172	8588.85867303351	935617.3170250766	39.44444131246749	-100.7317815	350980.2341445925	4367529.65017437	2932.28586512104	2812.81061938514	2743.320644201954	2743.320644201954	67.4901471916497	67.4901471916497
593	218	16173	8588.85867303351	935617.3170250766	39.44443998283753	-100.7294457	351181.2370456303	4367525.6484333	2929.19604623441	2809.1895157686	2742.054938376007	2742.054938376007	67.1345738985926	67.1345738985926
594	218	16174	8588.85867303351	935617.3170250766	39.4444386080638	-100.727211	351382.2393290577	4367521.643703335	2927.40013561478	2807.440736613117	2739.5530387105273	2739.5530387105273	68.00429796017	68.00429796017
595	218	16175	8588.85867303351	935617.3170250766	39.44443718821407	-100.7247742	351583.2462461146	4367517.63740478	2922.84148377558	2805.693398159925	2737.779620740284	2737.779620740284	67.9134680471418	67.9134680471418
596	218	16176	8588.85867303351	935617.3170250766	39.44443573220621	-100.7224384	351784.2625762515	4367513.61945624	2919.408265936282	2803.346528256262	2736.68464126213	2736.68464126213	67.2608731384866	67.2608731384866
597	218	16177	8588.85867303351	935617.3170250766	39.44443420487387	-100.7199733	351984.267134349	4367509.6388716	2917.54714167679	2801.54714167679	2734.8321776906	2734.8321776906	67.1884017339341	67.1884017339341
598	218	16178	8588.85867303351	935617.3170250766	39.44443256	-100.717768	352186.250049583	4367505.61264321	2912.546516730281	2800.546516730281	2732.4014768322	2732.4014768322	66.910508	66.910508
599	218	16179	8588.85867303351	935617.3170250766	39.4444310571326	-100.7154311	352387.2522177442	4367501.61876432	2908.3338707287035	2798.674869	2732.8016463777	2732.8016463777	65.874700129864	65.874700129864
600	218	16180	8588.85867303351	935617.3170250766	39.4444291203514	-100.7130953	352588.2542548545	4367497.61139083	2906.3402342722584	2796.907890201115	2731.3039426866	2731.3039426866	65.5794325429	65.5794325429
601	218	16181	8588.85867303351	935617.3170250766	39.44442772	-100.7107595	352789.2561314797	4367493.60789752	2903.3465977175784	2795.135571745751	2729.8310964206	2729.8310964206	65.32546703425	65.32546703425
602	218	16182	8588.85867303351	935617.3170250766	39.444425985715505	-100.7084237	352990.2578438383	4367489.03460115	2900.32961359278	2793.372273155237	2728.4471487318497	2728.4471487318497	65.19198680390459	65.19198680390459
603	218	16183	8588.85867303351	935617.3170250766	39.4444242861344	-100.7061083	353190.2584781344	4367485.03460115	2897.398147638705	2791.54714167679	2727.65311894058	2727.65311894058	65.1884017339341	65.1884017339341
604	218	16184	8588.85867303351	935617.3170250766	39.4444227891305	-100.7037522	353390.25957578	4367481.5955729	2895.7481595729	2789.189478179381	2727.1430519116129	2727.1430519116129	65.1884017339341	65.1884017339341
605	218	16185	8588.85867303351	935617.3170250766	39.4444210571326	-100.7014164	353593.262533186	4367477.5919184	2893.138797810874	2787.36283432104	2724.17760336598	2724.17760336598	65.1884017339341	65.1884017339341
606	218	16186	8588.85867303351	935617.3170250766	39.44441859162254	-100.6990806	353794.2632498445	4367473.58850434	2892.21039431052	2786.17308485014	2722.9724931	2722.9724931	65.1884017339341	65.1884017339341
607	218	16187	8588.85867303351	935617.3170250766	39.44441663029647	-100.6967448	353995.2645	4367469.58533019	2891.298502780007	2784.364514639126	2721.589519323107	2721.589519323107	65.1884017339341	65.1884017339341
608	218	16188	8588.85867303351	935617.3170250766	39.44441462384927	-100.694409	354196.265358289	4367465.38219363	2891.298502780007	2784.364514639126	2721.589519323107	2721.589519323107	65.1884017339341	65.1884017339341
609	218	16189	8588.85867303351	935617.3170250766	39.444412522896	-100.6921073	354397.2661120483	4367461.57951021	2891.298502780007	2784.364514639126	2721.589519323107	2721.589519323107	65.1884017339341	65.1884017339341
610	218	16190	8588.85867303351	935617.3170250766	39.4444104519512	-100.689773	354598.267134349	4367457.57904627	2891.298502780007	2784.364514639126	2721.589519323107	2721.589519323107	65.1884017339341	65.1884017339341
611	218	16191	8588.85867303351	935617.3170250766	39.4444083329796	-100.6874017	354799.267134349	4367453.57904627	2891.298502780007	2784.364514639126	2721.589519323107	2721.589519323107	65.1884017339341	65.1884017339341
612	218	16192	8588.85867303351	935617.3170250766	39.444406148429	-100.6850569	355000.2675287534	4367449.57035148	2888.170976049614	2775.34717028074	2721.174196033958	2721.174196033958	65.1884017339341	65.1884017339341
613	218	16193	8588.85867303351	935617.3170250766	39.44440391479654	-100.6827301	355201.267706957	4367445.5203148	2888.170976049614	2775.34717028074	2721.174196033958	2721.174196033958	65.1884017339341	65.1884017339341
614	218	16194	8588.85867303351	935617.3170250766	39.4444017632268	-100.6803394	355402.2677283044	4367441.56822311	2883.67953	2771.43076049341	2720.354475	2720.354475	65.1884017339341	65.1884017339341
615	218	16195	8588.85867303351	935617.3170250766	39.44439931527715	-100.678068	355603.267853608	4367437.56996332	2882.16827751925	2769.531624871655	2720.354475	2720.354475	65.1884017339341	65.1884017339341
616	218	16196	8588.85867303351	935617.3170250766	39.44439694791186	-100.6757122	355804.267853608	4367433.56554477	2878.5817	2767.63819165995	2720.354475	2720.354475	65.1884017339341	65.1884017339341
617	218	16197	8588.85867303351	935617.3170250766	39.44439478126912	-100.673374	356005.267853608	4367429.56996332	2878.5817	2767.63819165995	2720.354475	2720.354475	65.1884017339341	65.1884017339341
618	218	16198	8588.85867303351	935617.3170250766	39.444392507711628	-100.6710258	356206.266873027	4367425.563	2878.5817	2767.63819165995	2720.354475	2720.354475	65.1884017339341	65.1884017339341
619	218	16199												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
701	218	18281	90338.85867307335	935617.170250766	39.44403800862209	-100.4771825	372888.76063872204	4367094.1924305	2804.992222078376	2806.829951370426	2569.2916490307703	2574.0549678197212	49.5383025	34.7748953732132
702	218	18282	91178.85867307335	935617.170250766	39.4440255281819	-100.478467	373089.7491916446	4367090.208574414	2807.158383402307	2568.51478635412074	2575.305614204784	2575.305614204784	48.6430063871566	31.807768350446676
703	218	18283	92338.85867307335	935617.170250766	39.4440195281819	-100.479519	373290.757623051	4367092.243849838	2802.685128002297	2567.960242817685	2574.170164297683	2574.170164297683	47.58804964753196	31.38311037051063
704	218	18284	93038.85867307335	935617.170250766	39.44401192148496	-100.474757	373411.725933071	4367082.214426591	2799.657484983077	2564.061803385822	2567.6233417273206	2571.502711323218	48.4346181120125	32.559002206203767
705	218	18285	93698.85867307335	935617.170250766	39.44400533664216	-100.4678394	373692.7141220017	4367078.251375358	2796.634389934976	2602.66923897677	2557.514708612202	2569.104730215081	45.15453128545706	33.56451854709671
706	218	18286	94358.85867307335	935617.170250766	39.4440011039888	-100.4655037	373893.702189964	4367074.275091236	2793.611371297206	2601.3822637539442	2557.6387755749015	2567.37933435421	44.33052800032179	34.003522807011296
707	218	18287	95018.85867307335	935617.170250766	39.4439926399323	-100.4631679	374094.6901372734	4367072.292282215	2791.625078003395	2600.187021	2558.0280616123567	2562.8500802711335	42.1198960803317	37.33698297
708	218	18288	95678.85867307335	935617.170250766	39.4439911846722	-100.460832	374295.677964031	4367066.31	2790.757983400587	2599.053222	2557.830640362385	2559.724685006504	41.225816330168	39.28073161666401
709	218	18289	96338.85867307335	935617.170250766	39.4439795482095	-100.4584964	374496.6656704885	4367062.327	2789.74659136744	2598.330921865786	2554.6473121862547	2558.4769844743868	43.11567381702844	38.4632969258582
710	218	18290	96998.85867307335	935617.170250766	39.44397294565437	-100.4561507	374697.6532568315	4367058.35	2788.89346204514	2596.89032570276	2551.79570004958	2561.471750220117	45.0426527	35.1185750051952
711	218	18291	97658.85867307335	935617.170250766	39.44396629	-100.4538249	374888.640722886	4367054.363	2787.250861	2595.837709	2549.242127	2559.6619063490343	46.5964914125945	36.17580231345573
712	218	18292	98318.85867307335	935617.170250766	39.4439595913041	-100.4514892	375099.6280704567	4367050.381	2784.7093289636967	2594.795331778615	2546.7194954745314	2555.350379	48.07583630408362	39.4445279969504
713	218	18293	98978.85867307335	935617.170250766	39.443952849033205	-100.4491534	375300.6152971533	4367046.399314649	2782.1627613	2593.75796015874	2546.625833182132	2551.32127433260254	47.28552834848839	42.28552834848839
714	218	18294	99638.85867307335	935617.170250766	39.4439459678543	-100.4468177	375501.6204503021	4367042.417873068	2779.625989730729	2592.718941431383	2547.75763637427	2546.9885613426723	49.3433050571115	45.7323820046609
715	218	18295	100298.85867307335	935617.170250766	39.44393923	-100.4444819	3757102.5895942108	4367038.43663341	2778.09890770399	2591.884464734954	2541.2895259078344	2547.4802018186757	48.9945207711952	48.93644391627622
716	218	18296	100958.85867307335	935617.170250766	39.44393234550212	-100.4421462	375903.578041576	4367034.45559691	2780.58390786278	2590.643335307157	2540.78619690717	2540.94163581636	49.857738100223	49.7397172
717	218	18297	101618.85867307335	935617.170250766	39.443925421317864	-100.4398104	376104.561515274	4367030.475	2782.06279945576	2589.598679110317	2541.62063348576	2541.0831762229362	48.1735125624567	48.154968310812
718	218	18298	102278.85867307335	935617.170250766	39.44391845	-100.4374747	376305.5497484346	4367026.434134027	2785.55549944756	2588.5506448121574	2542.1748419972984	2541.85453319341	47.3761297416711	46.6901133923441
719	218	18299	102938.85867307335	935617.170250766	39.44391143674078	-100.4351389	376506.536230839	4367022.51703884	2783.510091218769	2587.49597414399	2542.3809467216815	2542.1381178453414	45.1150273927100	45.38566260957516
720	218	18300	103598.85867307335	935617.170250766	39.443904376772004	-100.4328032	376707.5225698214	4367018.3448231	2785.433801814786	2586.43084282383	2541.7425940914787	2541.5415233934587	44.692389373949	44.8934602892441
721	218	18301	104258.85867307335	935617.170250766	39.443904674	-100.4304674	376908.5089384327	4367014.5534263	2780.35661156193	2585.3674794672	2540.233673385495	2540.086077423217	45.1337794342217	45.2802395
722	218	18302	104818.85867307335	935617.170250766	39.443890112474034	-100.428137	377108.4595955436	4367010.573564608	2778.778677	2584.292357235565	2538.157267315483	2540.7234122117	46.1345637200817	46.1345637200817
723	218	18303	105498.85867307335	935617.170250766	39.443881462814866	-100.425813	377309.47481432171	4367005.940431538	2780.52404268132	2583.43483485334	2537.43483485334	2537.43483485334	45.820589139178	45.820589139178
724	218	18304	106238.85867307335	935617.170250766	39.44387585500505	-100.423602	377511.467059611	4367002.6142005	2774.274410738005	2582.1212810515	2534.186297586144	2534.18650508974	47.93598347358745	47.92722031643976
725	218	18305	106898.85867307335	935617.170250766	39.443868004126206	-100.4212244	377712.4528797927	4366998.63411409	2771.74684556783	2581.02471214367	2532.057924813743	2532.070391949252	48.96687873282425	48.9513782651001
726	218	18306	107558.85867307335	935617.170250766	39.44386106943674	-100.418787	377913.4385716703	4366994.56405537	2769.24890677444	2579.92070624228	2530.156074114515	2530.22710829620	49.7639650971325	49.6259879
727	218	18307	108218.85867307335	935617.170250766	39.44385368327254	-100.416853	378114.4241765724	4366990.67602587	2768.19172577764	2578.8071194581935	2528.3437617233616	2530.71374488156	50.137174088125	50.137174088125
728	218	18308	108878.85867307335	935617.170250766	39.44384672697684	-100.4141172	378315.49007722836	4366986.09025425	2771.591421361084	2577.682371083339	2526.568035759667	2526.753942143195	51.1143353	50.92844680019636
729	218	18309	109538.85867307335	935617.170250766	39.44383986648985	-100.4117875	378516.3946591432	4366982.726805396	2770.544837144423	2576.8877187269666	2525.07217734562	2525.07217734562	51.6877468950023	51.6877468950023
730	218	18310	110198.85867307335	935617.170250766	39.443831205478496	-100.4094547	378717.380177951	4366978.7402	2773.73918274771	2575.304792471227	2524.037042114771	2524.037042114771	51.75770807149246	51.75770807149246
731	218	18311	110858.85867307335	935617.170250766	39.44382373918887	-100.40711	378918.356289535	4366974.76419762	2777.1884141521784	2574.230424502008	2522.920060673358	2522.9203208582	51.31363678506256	51.51199216468012
732	218	18312	111518.85867307335	935617.170250766	39.4438161377925	-100.404772	379119.3502851513	4366970.78631259	2776.2121377169836	2573.0628347169836	2521.238501311583	2520.74889563342	51.8242845852535	52.81394063641545
733	218	18313	112178.85867307335	935617.170250766	39.44380849124968	-100.402438	379320.3351661145	4366966.80504513	2775.6353386137	2571.881309741041	2520.2911147125606	2519.354127599456	51.59019502844185	52.527182141545836
734	218	18314	112838.85867307335	935617.170250766	39.4438007960014	-100.4001028	379521.31993153295	4366963.81662262	2775.08932406616	2570.895392422016	2519.454229338306	2518.8433916201775	51.5126039034097	51.8461476220409
735	218	18315	113498.85867307335	935617.170250766	39.44379306283063	-100.397767	379722.3045819782	4366955.844828715	2772.73157961205	2569.48833554583	2517.679109184784	2517.679109184784	51.809097648861254	52.37366212623344
736	218	18316	114158.85867307335	935617.170250766	39.443785431206	-100.3954315	379923.376518758	4366954.87705158	2769.257650955436	2568.279751661816	2515.5890275419	2514.794764561472	52.820589139178	52.820589139178
737	218	18317	114818.85867307335	935617.170250766	39.44377746338196	-100.3939965	380124.2733876806	4366950.90714741	2767.774315400805	2567.0646319885127	2514.084986987045	2513.933478808238	52.9794729	53.151320822893
738	218	18318	115478.85867307335	935617.170250766	39.44376958180261	-100.3907598	380325.257485196	4366946.942159995	2762.29579	2565.84284935659	2511.4111225835	2510.77329591375	54.4317372753565	54.4317372753565
739	218	18319	116138.85867307335	935617.170250766	39.4437616455348	-100.3884241	380526.240381212	4366942.947139126	2759.4883256954713	2564.614460205331	2508.83269212872	2507.79592735321	55.7817607626065	56.8185265771006
740	218	18320	116798.85867307335	935617.170250766	39.44375370214849	-100.3860883	380727.22611677356	4366938.972	2757.351651842106	2563.3794835880612	2504.358627265942	2504.8178925957854	55.02086523211947	58.5649429227582
1	219	18321	-37094.1413	936277.170250766	39.439148814930986	-100.211762	382199.5003616347	436713.557262447	2747.16518842106	2563.3794835880612	2504.358627265942	2504.8178925957854	55.02086523211947	58.5649429227582
2	219	18322	-37028.1413	936277.170250766	39.439127150037805	-100.198409	382360.3450819782	4367130.46899096	2595.19569267102	2564.068198702	2504.04048135848	2504.04048135848	51.809097648861254	52.37366212623344
3	219	18323	-36962.1413	936277.170250766	39.43910746338196	-100.1871785	382561.3946591432	4367126.78631259	2773.0628347169836	2573.0628347169836	2521.238501311583	2520.74889563342	51.8242845852535	52.81394063641545
4	219	18324	-36896.1413	936277.170250766	39.439082268492499	-100.1751071	382762.6714456173	4367122.172874717	2772.1884141521784	2574.230424502008	2522.920			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogsKrg.ft	SatHBoth.ft
87	219	161407	-314181.1413	93627.7172050766	39.44116076675889	-101.9113275	249454.9992070027	439870.280161135	370.238051294641	343.073322732888	3475.1160162784004	3477.423285794576	321.7170664544875	126.010343693831207
88	219	161408	-315251.1413	93627.7172050766	39.44116212342156	-101.908982	249656.1010073437	43967.7619728609	3784.555621080463	3502.02252385701	3472.8976896474233	3475.2583705594885	125.7415316278626	125.7415316278626
89	219	161409	-312681.1413	93627.7172050766	39.44131162286177	-101.906656	24986.2034982933	439972.72063394	3718.87312911451	3591.845625835707	3491.846878310334	3470.494581878594	130.19948895304314	124.624349
90	219	161410	-312021.1413	93627.7172050766	39.4412498817074	-101.904321	250058.307	4396767.9494677	3713.190943754586	3599.1855625211	3467.9905149418787	3475.21749359517	131.1890413103324	123.971062228719394
91	219	161411	-311541.1413	93627.7172050766	39.44124638041586	-101.9019854	250259.0407419356	4396763.839678536	3768.10548519153	3597.7489774736405	3464.900633067121	3472.064756351051	132.84924400561957	125.70312063862548
92	219	161412	-310881.1413	93627.7172050766	39.4412675834496	-101.8996499	250460.505478049	439679.73	3765.115962726293	3596.297844015327	3462.6277916932363	3469.2260786367254	133.67700827086329	127.0713805340873
93	219	161413	-310221.1413	93627.7172050766	39.44128813568164	-101.897314	250661.006	4396755.620688336	3761.626487089265	3594.830467089265	3460.278955	3467.1505644973296	134.55151242759482	127.9632459143925
94	219	161414	-309661.1413	93627.7172050766	39.4413099847502	-101.8949789	250862.7062328459	4396751.51103363	3768.1371791140555	3593.345017229249	3458.7116021250558	3466.1261475141946	135.17555597869114	127.9194807150044
95	219	161415	-308981.1413	93627.7172050766	39.44131162286177	-101.8926454	251063.8062895812	439677.4703	3764.555625835707	3591.845625835707	3491.846878310334	3470.494581878594	135.189594205594314	125.7415316278626
96	219	161416	-308241.1413	93627.7172050766	39.4413223250511	-101.8903078	251254.90500081775	439742.2367131	3751.70222631187	3590.23765361887	3455.1117884110968	3465.468787085823	135.2197842487122	121.9167895615982
97	219	161417	-307581.1413	93627.7172050766	39.44137382851823	-101.8879723	251466.005156306	4396739.18520357	3748.65361170203	3586.76965431962	3453.3276429158777	3469.897288871534	135.45005251608428	118.8893125740863
98	219	161418	-306921.1413	93627.7172050766	39.4413249697373	-101.8856386	251667.104784603	4396735.07681905	3745.564597408518	3587.232029685447	3452.030954374666	3469.518241185222	135.2018665938755	117.71460673832278
99	219	161419	-306261.1413	93627.7172050766	39.44141524631545	-101.8830313	251868.2038079392	4396730.9681904	3741.8948597305	3585.662730010131	3450.1560039348004	3467.018363695964	135.5067203683508	118.64139364053447
100	219	161420	-305601.1413	93627.7172050766	39.44143610544484	-101.8809567	252069.3025854706	4396726.760775327	3737.658453292654	3577.40744000514	3448.6901489029647	3463.904499492707	135.78327559975493	120.1729639154331
101	219	161421	-304941.1413	93627.7172050766	39.44145702966036	-101.8786302	252270.4011185294	4396722.750493856	3732.432046839772	3562.4781468977433	3447.7905660913363	3462.474069929522	135.68748849735618	120.0344917469137
102	219	161422	-304281.1413	93627.7172050766	39.44147785363145	-101.876247	252471.49040619478	4396718.545311641	3729.185640370291	3550.85498227104	3446.36211598171	3461.331187347039	134.50328226537295	119.5343108809528
103	219	161423	-303621.1413	93627.7172050766	39.44148863	-101.8739591	252672.5974408401	4396714.53822078	3725.3071271158043	3549.239977933332	3444.9757897655583	3462.889126404276	134.26418813797363	119.251630238428
104	219	161424	-302961.1413	93627.7172050766	39.4415193632902	-101.8716236	252873.6952472925	4396710.431120693	3717.788291721	3537.662304032347	3443.774687905372	3457.80317621975149	134.71993271848734	119.79932717648734
105	219	161425	-302301.1413	93627.7172050766	39.44154005489208	-101.8692881	253074.7928011404	4396706.324227478	3716.288857189413	3535.9530577468085	3442.528288432397	3453.420769549447	134.42476931368356	122.5298907195879
106	219	161426	-301641.1413	93627.7172050766	39.4415606805148	-101.8669525	253275.89011079192	4396714.74942520425	3714.74942520425	3534.29043283863	3441.3570822299266	3454.3406935093863	132.939610539363	119.962343302633
107	219	161427	-300981.1413	93627.7172050766	39.44158129697815	-101.864617	253476.86713374637	4396681.11065525	3713.36347111958	3532.622191033276	3440.1691179050493	3453.0893849817	132.4530731801917	119.3946201368094
108	219	161428	-300321.1413	93627.7172050766	39.441601850301776	-101.8622814	253678.839593301	4396694.00479675	3714.1208049804556	3530.345037332938	3438.93733219373	3451.004236	132.0030143142678	119.59320135239596
109	219	161429	-299661.1413	93627.7172050766	39.4416223250511	-101.859984	253879.18067361703	4396692.96803748	3707.524147275176	3528.845625835707	3435.216201666137	3451.175949434363	131.1780278217555	115.2167000495514
110	219	161430	-299001.1413	93627.7172050766	39.441642821605834	-101.8576103	254080.27891155015	4396685.79283968	3715.62893275568	3515.4116584181	3436.3787465134433	3440.84481816685	131.16644197037365	126.8996347645958
111	219	161431	-298341.1413	93627.7172050766	39.44166333598492	-101.8552748	254281.37033023435	4396681.687293949	3714.6713286	3565.8322724759096	3434.89267704747	3442.91482861872	130.939564714224	122.917436691817
112	219	161432	-297681.1413	93627.7172050766	39.441683612458455	-101.8529393	254482.46885212415	4396677.581031235	3710.627925437167	3560.196306770464	3433.5378769712192	3441.925078718975	130.5717350682718	122.1845519540891
113	219	161433	-297021.1413	93627.7172050766	39.44170394	-101.8506037	254683.5644588176	4396673.47	3712.34257786053	3562.377344776722	3432.05002	3439.10997936141	130.5717350682718	122.1845519540891
114	219	161434	-296361.1413	93627.7172050766	39.4417242285572	-101.8482682	254884.6598216698	4396669.371555002	3708.07215884321	3560.63558105585	3430.4953878164775	3435.175810180077	130.44018269071	125.45977697747287
115	219	161435	-295701.1413	93627.7172050766	39.4417446033887	-101.8459327	255085.7548246277	4396665.356837934	3707.524147275176	3558.845625835707	3428.671308821565	3451.004236	130.44018269071	125.45977697747287
116	219	161436	-295041.1413	93627.7172050766	39.44176465279832	-101.8435971	255286.9498184265	4396651.1621313925	3705.83546693313	3553.124580712963	3426.34245004	3442.91482861872	130.44018269071	125.45977697747287
117	219	161437	-294381.1413	93627.7172050766	39.44178480010903	-101.8412615	255487.9454588927	4396657.05741501	3704.8563398146054	3553.35681042361	3425.675695636756	3432.8712983340526	130.6790854605653	122.43826985855
118	219	161438	-293721.1413	93627.7172050766	39.44180496023593	-101.838926	255689.0389542538	4396652.953536431	3701.81058946024	3553.576293595195426	3423.781193161624	3428.79077905195426	129.7951730973408	120.9050183636287
119	219	161439	-293061.1413	93627.7172050766	39.441824959369036	-101.8365904	255890.13310809227	4396648.48952621	3700.55665379885	3551.7858475250655	3421.068579121764	3424.844863975638	130.71726961288914	119.8346091553172
120	219	161440	-292401.1413	93627.7172050766	39.44184497132825	-101.8342548	256091.22702611725	4396644.89570273	3708.5341597920375	3549.9897442386118	3418.8887902979664	3419.955382316731	130.1009534905183	115.79349604097426
121	219	161441	-291741.1413	93627.7172050766	39.4418649817577	-101.8319193	256292.2205923348	4396640.44239268	3706.50265584731	3548.192309	3418.692173	3413.697131503601	130.0313073804968	116.4948973884985
122	219	161442	-291081.1413	93627.7172050766	39.4418849917577	-101.8295827	256493.14112545471	4396636.338839439	3704.4711516717153	3546.34849827372	3416.216201666137	3451.175949434363	130.0313073804968	116.4948973884985
123	219	161443	-290421.1413	93627.7172050766	39.44190476572529	-101.8272482	256694.5071236307	4396631.453736471	3700.80573197557	3541.595129288255	3413.255084666917	3442.91482861872	130.00069181317	116.4948973884985
124	219	161444	-289761.1413	93627.7172050766	39.44192457	-101.8249126	256895.6006168753	4396628.23709127	3695.5004161260007	3542.789108031858	3409.7576700536965	3427.742561416475	130.0313073804968	116.4948973884985
125	219	161445	-289101.1413	93627.7172050766	39.44194434451518	-101.82257	257096.69297072652	4396624.20056812	3690.20768700404	3540.796899701617	3407.1389449276623	3418.8887902979664	130.0313073804968	116.4948973884985
126	219	161446	-288441.1413	93627.7172050766	39.441964065069046	-101.8202415	257297.7843668516	4396620.127425216	3684.907176148496	3539.159547	3404.3667308459006	3415.971700461474	130.0313073804968	116.4948973884985
127	219	161447	-287781.1413	93627.7172050766	39.44198379	-101.8179059	257498.87746881265	4396616.025	3681.79673017193	3537.33802276717	3401.1665131338548	3419.955382316731	130.0313073804968	116.4948973884985
128	219	161448	-287121.1413	93627.7172050766	39.44200342889596	-101.8155703	257699.9696818544	4396611.25119953	3680.873997517628	3535.5137150719468	3400.14062993446	3417.5027320606176	130.0313073804968	116.4948973884985
129	219	161449	-286461.1413	93627.7172050766	39.44202319072788	-101.8132419	257899.8689695956	4396608.312209713	3679.8147138271386	3534.71342204903	3400.14062993446	3417.5027320606176	130.0313073804968	116.4948973884985
130	219	161450	-285801.1413	93627.7172050766	39.44204260964996	-101.8109922	258102.1529186351	4396603.719529384	3678.0573197557	3533.516582975638	3401.1665131338548	3419.955382316731	130.0313073804968	116

ix	iy	ic3	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev-ft	W.Lt.	BRIElevLogsKgf-ft	BRIElevBottomKgf-ft	SatHtLogs-ft	SatHtBottom-ft
213	219	15338	-232021.1413	93627.7170250766	39.44350888585756	-0.16170429	274791.9347741074	4396924.003488415	3571.7411912787056	3488.7322239375037	3278.579081730268	3287.247263	130.1531761594769	130.484975784838
214	219	15334	-230361.1413	93627.7170250766	39.44352646595205	-0.16147072	274933.0068215004	4396929.501242382	3570.3423289551202	3477.4769568662626	3277.4333963	3287.247263	129.8289063168168	129.87417021117018
215	219	15335	-229701.1413	93627.7170250766	39.4435379135783	-0.16123176	275104.0784723895	4396935.835	3570.355442638487	3405.864029268983	3276.14402032067	3279.467582598947	129.7165511866223	129.835228399933
216	219	15336	-229041.1413	93627.7170250766	39.443556063799114	-0.16100359	275395.10555135055	4396937.157372413	3571.8644750540055	3404.397203651793	3278.7820173500897	3278.903852400408	129.4950310508613	129.835228399933
217	219	15337	-228381.1413	93627.7170250766	39.4435716995433	-0.16077002	275596.2220340988	4396947.667744615	3573.364137045382	3402.915680474814	3272.89732859932	3278.1453502682596	130.01834761488226	129.77302643485553
218	219	15338	-227721.1413	93627.7170250766	39.44358720017435	-0.16053466	275797.2392956973	4396943.58431855	3574.3424233961185	3401.941757771924	3270.513452909273	3276.941285190636	130.042148069508	129.7472919886029
219	219	15339	-227061.1413	93627.7170250766	39.4435923686136	-0.16030289	275988.3462368136	4396929.50122587	3574.9596705222113	3399.904134912242	3268.684856618734	3265.5345486169	131.2192729350807	129.736906050338
220	219	1540	-226401.1413	93627.7170250766	39.4436183608068	-0.16008932	276199.433136233	4396935.818126523	3573.522698543671	3398.73635437617	3268.78579871216	3273.8004397271766	131.5905656544901	129.757257088515
221	219	1541	-225741.1413	93627.7170250766	39.4436379135783	-0.15985758	276400.505555607	4396921.358266183	3572.346988526847	3396.835028595412	3264.088715681584	3272.00876928947	131.85882312704725	129.825491813589
222	219	1542	-225081.1413	93627.7170250766	39.44364920151788	-0.15960219	276601.5761346024	4396927.25777842	3573.03281125495	3395.2815347541095	3263.94859690428	3269.43178957917	132.33167475958	129.8435689819233
223	219	1543	-224421.1413	93627.7170250766	39.44365656560464	-0.15938682	276802.8462934456	4396923.17035873	3568.421698554503	3393.715852459227	3261.5076813006485	3257.268017331835	132.20811105927426	136.4847117673928
224	219	1545	-223761.1413	93627.7170250766	39.4436798648566	-0.15913055	277003.716223463	4396919.088186062	3564.453360412393	3392.1390501481537	3259.38741224001	3254.902986104762	132.75167390413853	137.236064043917
225	219	1545	-223101.1413	93627.7170250766	39.44369651129347	-0.15890148	277204.7859517149	4396915.006226067	3560.55621023867	3390.59068626356	3257.333641224001	3251.733770925342	133.01921569501428	138.01921569501428
226	219	1546	-222441.1413	93627.7170250766	39.44371039938346	-0.15866792	277450.854514565	4396912.00429117	3563.636639482341	3389.9518020184914	3255.185702482344	3250.154530849124	133.7660993614752	138.79969607634241
227	219	1547	-221781.1413	93627.7170250766	39.443725556773	-0.15843439	277606.9423718886	4396906.84291723	3563.523389941874	3387.342018706486	3253.0174336717347	3247.73260047132	134.32458493937168	138.5969603271663
228	219	1548	-221121.1413	93627.7170250766	39.44374015012154	-0.15820708	277807.9873732228	4396902.761568163	3551.22517030577	3385.72205956332	3250.762132380026	3251.124301939373	134.959036763058	139.0457751169592
229	219	1549	-220461.1413	93627.7170250766	39.4437588550007	-0.15796721	278009.06263566087	4396918.96431867	3548.928581974866	3382.0622602816704	3248.302100331189	3245.49789124871	135.701599554812	139.610711769593
230	219	1550	-219801.1413	93627.7170250766	39.4437708557307	-0.15773365	278210.13125940977	4396914.59902621	3546.629633412547	3382.452782357174	3245.93244781923	3245.849776756807	136.5204301594927	136.60315176006736
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232	219	1552	-218481.1413	93627.7170250766	39.44380082165834	-0.15726651	278612.2676185375	4396906.48266478	3542.741752328483	3379.1484674311628	3241.32182648847367	3241.32182648847367	137.3164514897385	138.01921569501428
233	219	1553	-217821.1413	93627.7170250766	39.44381573552586	-0.15703294	278813.338265078	4396912.57959157	3540.9165283621647	3378.4228666247	3239.78823413505	3237.549602258523	137.71405329077736	139.0268440775904
234	219	1554	-217161.1413	93627.7170250766	39.44383064027572	-0.15679397	278917.453176277	4396917.72769592	3538.091712719692	3375.84072479974	3237.815700897317	3238.267170670214	137.99039715626575	139.54199254176592
235	219	1555	-216501.1413	93627.7170250766	39.4438457296669	-0.15655658	279029.724952527	4396917.72769592	3535.9172085112987	3373.50021144458	3236.7755755311	3236.7755755311	138.01921569501428	139.54199254176592
236	219	1556	-215841.1413	93627.7170250766	39.44386025422336	-0.15632224	279163.5324004919	4396917.11820519	3531.244005155942	3372.418951667793	3234.287965244865	3231.96486768675	137.9900520425922	140.45425983913
237	219	1557	-215181.1413	93627.7170250766	39.4438749381903	-0.15609887	279261.8056196282	4396916.03802057	3534.28753259245	3370.701428309093	3233.004110284263	3230.315065	137.70900374853625	140.38507738675933
238	219	1558	-214521.1413	93627.7170250766	39.4438962809794	-0.1558651	279381.6724012664	4396916.95930738	3535.340139236296	3368.9910750880154	3231.407705	3228.954095	137.5833703406316	140.38507738675933
239	219	1559	-213861.1413	93627.7170250766	39.44390427125906	-0.15563153	279501.730960605	4396917.86048708	3535.57417821737	3367.2640049728725	3230.148468095277	3231.521040593637	137.1155369133448	138.01921569501428
240	219	1560	-213201.1413	93627.7170250766	39.4439188930231	-0.15539796	279620.8051423226	4396918.01609809	3534.017026733788	3365.531768310656	3228.67047530004	3229.938934823436	136.4522909056197	138.5919149
241	219	1561	-212541.1413	93627.7170250766	39.44393372227765	-0.15516488	279741.874552162	4396919.22690084	3532.4589746487987	3363.744087862533	3227.965156493187	3228.362984737295	136.2926819814594	139.01921569501428
242	219	1562	-211881.1413	93627.7170250766	39.44394793023398	-0.15493082	279862.76174817	4396919.4545	3530.25752576293	3361.50021144458	3226.71418611893	3224.621906486291	136.068295144116	139.54199254176592
243	219	1563	-211221.1413	93627.7170250766	39.44396239272485	-0.15469725	279984.030560881	4396914.56621162	3531.366038011585	3359.30275867335	3225.340273259967	3223.1426353341762	136.914913747468	139.54199254176592
244	219	1564	-210561.1413	93627.7170250766	39.44397612696554	-0.15446386	2801025.06914467807	4396914.828235963	3531.849821115802	3358.501116402265	3224.0087064616278	3219.901006334772	136.94150517859878	138.601025626488
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249	219	1569	-207261.1413	93627.7170250766	39.44404793023398	-0.15329584	280203.393931143	4396911.01217252	3507.75257923077	3349.729152333523	3218.2458628791308	3216.02370088646	135.2735369147474	138.601025626488
250	219	1570	-206601.1413	93627.7170250766	39.44406236825175	-0.15306227	280221.4582225834	4396913.02430401	3503.32449072168	3347.952395135074	3216.980422	3216.645235801903	135.97481792596727	138.601025626488
251	219	1571	-205941.1413	93627.7170250766	39.44407647000454	-0.1528287	280242.5223	4396918.07853628	3500.064753126004	3346.778818758086	3215.717481208401	3210.358043040308	135.6201375484074	138.601025626488
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253	219	1573	-204621.1413	93627.7170250766	39.44410538136465	-0.15236156	280284.6280429843	4396910.73518059	3500.315368814305	3342.620314678671	3213.624176083189	3207.466407724019	135.2993681548187	138.601025626488
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255	219	1575	-203301.1413	93627.7170250766	39.44413163029669	-0.15189458	280326.7845527	4396910.73518059	3512.08175521587	3338.94871450121	3211.1848277693	3205.84871450121	135.48010703599697	138.601025626488
256	219	1576	-202641.1413	93627.7170250766	39.4441463019578	-0.15166084	280347.834905251	4396910.73518059	3510.07557923077	3337.941971920446	3210.547326379326	3205.84871450121	135.48010703599697	138.601025626488
257	219	1577	-201981.1413	93627.7170250766	39.4441613289664	-0.15142727								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEvLogsKrg.ft	BRIEvBothKrg.ft	SatHtBoth.ft
319	219	161659	-147861.1413	93627.71720250766	39.44514073802464	-101.3227422	31255.3461109161	4386751.01904118	3393.7711085638116	313.6240106246952	3118.8244004069113	3120.6411981258	94.79960115583922
340	219	161660	-147201.1413	93627.71720250766	39.44515082415788	-101.3204544	300326.391933777	4368746.960863455	3392.046253893064	311.965402812759	3118.3114751640906	3113.782471979734	92.247754840207
341	219	161661	-146861.1413	93627.71720250766	39.4451608617087	-101.3104666	300727.437611664	4368746.960863455	3392.046253893064	311.965402812759	3118.3114751640906	3113.782471979734	92.247754840207
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343	219	161663	-145221.1413	93627.71720250766	39.44518081183616	-101.3133991	300929.5282827552	4368734.76091317	3386.57512384069	3206.9494101332452	3115.5869701987103	3116.4273312454803	91.35973993
344	219	161664	-144561.1413	93627.71720250766	39.44519081744884	-101.3110633	301130.5732695635	4368730.73201134	3384.25100421183	3205.210042021284	3113.715360112595	3114.673457847075	90.82346040953323
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346	219	161666	-143241.1413	93627.71720250766	39.445210393432006	-101.3063818	301532.667662459	4368722.61361232	3378.2167136436202	3201.72885	3108.6171450404013	3118.6841915347101	93.11710468
347	219	161667	-142581.1413	93627.71720250766	39.44522010155454	-101.3040656	301733.2702252515	4368718.558989692	3377.4623837091423	3198.9699565114	3106.38972546314	3106.250068168334	93.594422564208
348	219	161668	-141921.1413	93627.71720250766	39.44523068987231	-101.3017202	301954.7514845746	4368714.502727717	3374.464611532547	3198.771622494564	3104.928160108914	3104.618557108547	93.34966239054216
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368	219	161688	-128721.1413	93627.71720250766	39.44541497107175	-101.2550406	305950.02070576	4368636.414	3325.832673574093	3176.834770872474	3068.372117334562	3070.719354	97.059983891189
369	219	161689	-128061.1413	93627.71720250766	39.44542363465121	-101.2526869	306156.634	4368633.3466358	3323.496201257415	3174.6969296165694	3067.160055080206	3081.003924	97.052786181364338
370	219	161690	-127401.1413	93627.71720250766	39.445432427169884	-101.2503331	306357.7646964523	4368625.214773731	3321.378289352414	3173.427552631158	3065.78761630045	3067.18787591421	96.17307206011274
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373	219	161693	-125421.1413	93627.71720250766	39.445458350401374	-101.2435237	306960.794	4368613.15677495	3316.04730331121	3169.5090520210738	3062.13590750546	3077.3031393502446	97.37393465019712
374	219	161694	-124761.1413	93627.71720250766	39.44546738904118	-101.2414989	307161.8349149141	4368609.153580151	3314.211987511789	3168.10521674466	3061.038967540985	3077.1420712124208	96.15407120259718
375	219	161695	-124101.1413	93627.71720250766	39.445475475125584	-101.2386541	307362.87309773	4368605.405627719	3312.07178586618	3166.854997178496	3060.05868461236	3076.924127969748	96.77709971725017
376	219	161696	-123441.1413	93627.71720250766	39.44548374749776	-101.2363183	307563.912105485	4368601.00370591	3310.128938745739	3165.503400392558	3059.387037866749	3067.5895497118045	96.1163252584913
377	219	161697	-122781.1413	93627.71720250766	39.44549229142282	-101.2339825	307764.9515266406	4368596.953	3308.19861879536	3164.1484198106377	3058.98191668254	3064.849697540105	96.10650311238391
378	219	161698	-122121.1413	93627.71720250766	39.445500862974986	-101.2316468	307965.99004810513	4368592.902884675	3306.214333444995	3162.778650160927	3058.951261405065	3063.85216269315	96.8222527491611
379	219	161699	-121461.1413	93627.71720250766	39.44550989462158	-101.229311	308167.02388449	4368588.85208067	3304.751899940486	3161.308519384971	3058.925297279955	3061.885810796407	96.12760210496253
380	219	161700	-120801.1413	93627.71720250766	39.445517707716614	-101.2269752	308368.0653300824	4368584.7025321485	3303.8113405710248	3159.96384046158	3061.630816704592	3060.978562769483	96.32860235991075
381	219	161701	-120141.1413	93627.71720250766	39.44552569308146	-101.2247699	308574.3589146	4368580.1280196	3302.811445351878	3158.0212244466	3060.428717820256	3061.3212266181	96.3549479826813
382	219	161702	-119481.1413	93627.71720250766	39.44553397971549	-101.2223036	308760.17042673081	4368576.80395975	3300.93021814583	3157.037104262347	3060.3029194175	3062.87470159817	96.7340070700559
383	219	161703	-118821.1413	93627.71720250766	39.44554184382216	-101.2199678	308971.179853493	4368572.65437664	3299.619369517067	3155.54319441852	3062.0383189712356	3062.2808631527	96.50487544857924
384	219	161704	-118161.1413	93627.71720250766	39.44554994478276	-101.217632	309172.212564925	4368568.605	3296.829314296972	3154.031770329854	3059.76439794375	3059.76439794375	96.5248735347908
385	219	161705	-117501.1413	93627.71720250766	39.44555800054538	-101.2152962	309373.254469733	4368564.55376547	3294.742298064744	3152.502477314046	3057.65486992347	3057.65486992347	96.945472232
386	219	161706	-116841.1413	93627.71720250766	39.44556601	-101.2129604	309574.2149067396	4368560.50784306	3290.65143864765	3150.95055028033	3055.75486421285	3055.	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBotKrg.ft	LatElevLogKrg.ft	SurfBotKrg.ft
456	219	161785	-64070.14133	39627.7170250766	39.44605626	-101.0284312	325545.6420549485	4382841.311467935	3171.0983093586706	295.8183716856909	2974.617426	2958.066153656531	41.196290549788955	57.2073623097831
456	219	161786	-64040.14133	39627.7170250766	39.4460605457878	-101.028054	325566.6672819833	4382827.327233885	3168.826703594003	3014.736924024086	2976.2606993184695	2964.0624657665089	38.116317064306	58.334256368813374
457	219	161787	-63881.14133	39627.7170250766	39.4460629031942	-101.023756	325657.689873486	4382835.247204022	3168.808414175093	3123.9471628878	2975.2024564883556	2955.309114099965	37.1548617997221	57.6386126318231
457	219	161788	-62721.14133	39627.7170250766	39.44606933080904	-101.021427	326058.7129256172	4382829.215381327	3165.0732871481896	3011.5253274676724	2973.387032430989	2956.025411	36.12340640277328	55.49991056602239
457	219	161789	-62601.14133	39627.7170250766	39.44607359643473	-101.0190879	326259.7345473723	4382825.183736151	3163.268854	3010.112624901662	2969.439132147061	2957.215902916051	40.67213124315549	52.89536957416547
470	21790	-61401.14133	39627.7170250766	39.4460717816809456	-101.016752	326460.7566301627	4382821.152325401	3161.500356175506	3008.7053357354844	2964.3811712570673	2954.7911711228443	2960.1326417841706	53.861641261240096	56.119318971198158
471	219	161790	-61071.14133	39627.7170250766	39.44608198206216	-101.0144162	326661.7788349034	4382817.121424996	3159.607936562477	2968.7809625997847	2951.1883603930046	2956.716756562496	56.119318971198158	56.119318971198158
472	219	161791	-60081.14133	39627.7170250766	39.44608611219289	-101.0120804	326862.8008249624	4382813.090149011	3157.5170469958822	3005.9136791073082	2953.3278577749666	2947.3170529193906	42.59005419541563	58.613030950421604
473	219	161792	-59421.14133	39627.7170250766	39.44609021	-101.009746	327063.8219843867	4382809.059341156	3155.241894652545	3004.5374026981686	2948.05348132843	2943.3384778959698	51.18862512662429	57.6386126318231
474	219	161794	-58761.14133	39627.7170250766	39.44609424708254	-101.007487	327254.8432717619	4382805.02752719	3153.512541162407	3003.164786737205	2943.619847578317	2939.9846953239	55.4430115897135	63.18007204877054
475	219	161795	-58101.14133	39627.7170250766	39.4460984185295	-101.0050729	327465.86450170824	4382803.963605051	3151.4755212749833	3001.804702059676	2939.664177313519	2937.11186373291	62.13629298	64.6880657175492
476	219	161796	-57441.14133	39627.7170250766	39.44610219149558	-101.002731	327666.8585817014	4382816.96819752	3149.3430934382028	3004.44395225779	2936.95808551048	2932.008219863653	63.48858667473087	66.3273536212935
477	219	161797	-56781.14133	39627.7170250766	39.4461060901618	-101.000412	327867.9064846754	4382813.30210279	3147.3863247833747	2999.0842748371947	2934.420998670568	2931.896251777947	64.6732617660605	67.19734911918158
478	219	161798	-56121.14133	39627.7170250766	39.44610995541474	-100.9980654	328068.9272	4382818.984040055	3145.341760766796	2997.746092	2932.3306134827895	2930.123145146416	65.41547887825163	67.62474172146323
479	219	161799	-55481.14133	39627.7170250766	39.44611376991529	-100.9957296	328289.9478776573	4382814.87895113	3143.4764987945514	2996.387230890827	2930.565714562166	2928.635164181924	67.76271761	67.76271761
480	219	161800	-54801.14133	39627.7170250766	39.44611753844569	-100.993387	328470.96918907756	4382810.984515443	3141.830097778899	2995.047124575268	2929.03455	2927.512532061953	67.0116252770655	67.0116252770655
481	219	161801	-54141.14133	39627.7170250766	39.446121262878066	-100.9910759	328671.98842138037	4382817.820361307	3139.185386780546	2993.6933407121346	2927.783247212444	2926.082755090994	65.0190289560949	67.6070647304053
482	219	161802	-53481.14133	39627.7170250766	39.44612494178336	-100.9887221	328873.0084877962	4382817.471141887	3124.5317283757936	2992.336302176622	2926.755332063534	2928.163181534716	65.8907915	67.1371424331511
483	219	161803	-52821.14133	39627.7170250766	39.446128575576594	-100.9863863	329074.0283751324	4382818.762667987	3121.471897464845	2997.87986340222	2925.72043098545	2924.7745040398545	65.2524924316788	66.22834569152065
484	219	161804	-52161.14133	39627.7170250766	39.446132164242734	-100.9840504	329275.04124273626	4382816.73129255	3120.235118	2999.614456650637	2924.3842846810016	2923.783896056295	65.2312710406215	65.83060298076426
485	219	161805	-51501.14133	39627.7170250766	39.44613507778679	-100.9817146	329476.0677	4382810.750795894	3119.2552876911731	2998.256789717131	2923.277903840764	2922.850561128209	64.9747180347062	65.40202751
486	219	161806	-50841.14133	39627.7170250766	39.4461392026072	-100.9793788	329677.0870852594	4382815.677667587	3118.275398	2996.890505777142	2922.338947763634	2922.0730655031	64.5515608350365	64.169992284114
487	219	161807	-50181.14133	39627.7170250766	39.4461434629161	-100.976771	329873.1641773036	4382816.104471672	3117.04477652937	2997.738479802718	2922.738479802718	2921.5910211556	64.3892497116256	64.3892497116256
488	219	161808	-49521.14133	39627.7170250766	39.44614606786254	-100.9747071	330079.12539232395	4382816.026209845	3115.1780055716663	2997.61471580592	2920.4719323676377	2920.78771905148	63.692783125452	63.4359439744439
489	219	161809	-48861.14133	39627.7170250766	39.44614943074186	-100.9727313	330280.1422966695	4382814.594513414	3110.106362543791	2982.801521543791	2919.5582880514467	2919.732392372805	63.242334924149	62.96328181098579
490	219	161810	-48201.14133	39627.7170250766	39.446152748675324	-100.9700354	330481.1630352585	4382815.567206915	3107.034722523715	2981.439087174365	2917.526603468637	2919.11225966102	63.2481703572794	62.326785826295
491	219	161811	-47541.14133	39627.7170250766	39.44615602148668	-100.9678996	330682.1816087935	4382816.450104697	3104.887093797863	2980.077227936466	2916.4212367193095	2916.185630342277	63.659912171551	63.8915972236955
492	219	161812	-46881.14133	39627.7170250766	39.44615924917586	-100.9653368	330883.20017681145	4382815.21307248	3099.047334268445	2978.715663909735	2915.591019728749	2915.203045068225	63.12464396222458	63.51261862235106
493	219	161813	-46221.14133	39627.7170250766	39.44616344629178	-100.9630279	331084.2186152515	4382816.963928729	3096.74269891876	2977.353983982925	2914.5753983982925	2914.5753983982925	62.77748679384265	62.77748679384265
494	219	161814	-45561.14133	39627.7170250766	39.44616559187818	-100.9609221	331293.2364113267	4382819.454070239	3095.44542729751	2976.914681133707	2914.254022137584	2914.254022137584	62.523416477324	62.523416477324
495	219	161815	-44901.14133	39627.7170250766	39.44616886151053	-100.9583653	331486.2542565076	4382810.437741056	3090.801749148613965	2974.627958754826	2912.3736818125612	2913.814940135004	62.515769424662	60.8130161882229
496	219	161816	-44241.14133	39627.7170250766	39.4461717077111	-100.9560204	331687.2270078572	4382816.407671017	3084.1161801940542	2973.261329675325	2911.427651616556	2912.293970770215	61.8322612913668	60.3186383741104
497	219	161817	-43581.14133	39627.7170250766	39.446174771	-100.9536486	331888.28995338	4382813.381799704	3081.330454266935	2971.8918987446955	2910.05624424713	2912.81648915761	61.8356653222416	59.0754882944361
498	219	161818	-42921.14133	39627.7170250766	39.44617766774574	-100.9513488	332089.3071019258	4382816.3546703318	3078.514580793318	2970.514580793318	2909.273730895327	2909.273730895327	58.9282947372661	58.9282947372661
499	219	161819	-42261.14133	39627.7170250766	39.44618057957976	-100.9494129	332290.3242759767	4382814.330874227	3076.704770078028	2969.331482597578	2907.88985841012	2907.88985841012	58.23964014071907	58.23964014071907
500	219	161820	-41601.14133	39627.7170250766	39.4461834629161	-100.946771	332491.3413770336	4382816.104471672	3074.04177652937	2967.738479802718	2906.327479802718	2906.327479802718	57.92497116256	57.92497116256
501	219	161821	-40941.14133	39627.7170250766	39.44618626787818	-100.944312	332692.3583113889	4382816.280365959	3070.97117287651	2966.3292601150565	2905.05517207153	2905.05517207153	57.27087994341244	57.27087994341244
502	219	161822	-40281.14133	39627.7170250766	39.44618904335013	-100.9420054	332893.3751821466	4382802.255571816	3067.021768982404	2964.900310758176	2902.914245581367	2902.914245581367	56.9552692711456	56.9552692711456
503	219	161823	-39621.14133	39627.7170250766	39.44619175693575	-100.9396696	333094.39179172844	4382806.238771714	3063.10362355593	2963.47900631541	2901.5897496536106	2901.5897496536106	55.97951547	55.97951547
504	219	161824	-38961.14133	39627.7170250766	39.44619446191838	-100.9373337	333295.4082382574	4382804.206	3058.161732177097	2961.9673273707023	2900.11703903395678	2900.11703903395678	54.8065621009169	54.8065621009169
505	219	161825	-38301.14133	39627.7170250766	39.44619710301923	-100.9349879	333496.4226460875	4382812.10210914	3053.2198393900505	2960.4562516002834	2989.463595572996	2911.903690967925	54.92259923409895	54.92259923409895
506	219	161826	-37641.14133	39627.7170250766	39.4461996958917	-100.9326041	333697.440446971	4382816.15813958	3049.72762480143	2959.9116922547324	2986.315934845471	2986.315934845471	54.0109933747617	52.5123593309212
507	219	161827	-36981.14133	39627.7170250766	39.44620239629514	-100.9302979	333898.458984981	4382816.963928729	3046.74269891876	2958.74269891876	2984.21197773234	2984.21197773234	53.13770773234	53.13770773234
508	219	161828	-36321.14133	39627.7170250766	39.44620515588326	-100.9279284	334099.474046476	4382817.10749502	3039.9477852003836	2958.9117233752	2981.790054714498	2988.358160221125	63.0226575902242	52.362951455966

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
591	219	19191	18458.8586730335	93627.7170250766	39.44625543513317	-00.73417517	5070.832410023433	436773.8465	2934.643745620022	213.091353949387	2743.2140409323717	2743.7450194823427	69.87694502567547	69.34633446704047
592	219	19192	18115.8586730335	93627.7170250766	39.446254150591484	-00.73179178	505984.23436334174	436770.85816481	2911.2636241411765	2811.3479931921896	2741.46508810625235	2741.52040838143	69.86230059	69.1977835400666
593	219	19193	18778.8586730335	93627.7170250766	39.4462520967434	-00.7294272	511195.2467801416	436771.85119481011	2927.88595266321	2809.053937917516	2738.38655639634	2740.100373710275	70.2943815847659	69.8729644834599
594	219	19194	20438.8586730335	93627.7170250766	39.446251446114076	-00.7271982	513986.294530375	436772.858590203	2924.5034311174865	2864.945627771044	2738.50225835055	2736.6154789082413	71.33230292	71.2508448636004
595	219	19195	21098.8586730335	93627.7170250766	39.44625006263241	-00.7247723	515187.25198226316	436771.840122236	2936.7062704665793	2866.1262915757497	2735.344138500485	2734.236041495301	70.7821507526489	71.8902058004482
596	219	19196	21758.8586730335	93627.7170250766	39.44625061201415	-00.7224365	517584.2546374024	436771.834516713	2918.268178251611	2804.385303269624	2734.647515718307	2731.46114929	70.737145511738	72.9247362262266
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598	219	19198	22278.8586730335	93627.7170250766	39.446245	-00.7177048	52190.2587096916	436770.76318538	2912.200609616737	2800.889158337063	2732.613624	2725.905632315878	68.2823914933639	74.9842825821594
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600	219	19200	24398.8586730335	93627.7170250766	39.44624249854298	-00.7130931	525992.262479346	436770.811937364	2906.30189237204	2797.34995485522	2730.04176272423	2726.89541	67.3772024	70.4753641452221
601	219	19201	25058.8586730335	93627.7170250766	39.44624055921157	-00.7107573	528674.8512612537	436769.804153345	2903.7345052192144	2795.609081028483	2728.854253108091	2725.143628	66.754489404729	70.46540732464832
602	219	19202	25718.8586730335	93627.7170250766	39.44623882	-00.7084215	52994.2656801131	436769.80517135	2900.44711210224	2793.87119584609	2727.524906330002	2722.686550308186	66.3121232168858	71.1502645387215
603	219	19203	26378.8586730335	93627.7170250766	39.44623745259744	-00.7060856	53195.2676073133	436768.80099738	2897.9746697359386	2792.0584516792474	2726.2413220148073	2721.755658	66.30171296644002	70.73027933963745
604	219	19204	27038.8586730335	93627.7170250766	39.44623516550285	-00.7037498	53396.2683212434	436768.79702827	2895.957105893601	2790.2702666334	2724.96858410795	2723.74026041026	65.30394426	67.19996643
605	219	19205	27698.8586730335	93627.7170250766	39.446233345418555	-00.7014139	53597.2694159704	436768.793258475	2893.933025278493	2788.47174658777	2723.551291895022	2723.7372921895022	65.138279327488	65.138279327488
606	219	19206	28358.8586730335	93627.7170250766	39.44623142916452	-00.6990781	53790.2703780357	436768.747098519	2891.922113162097	2787.677923230145	2722.040527765094	2720.97517	64.6294240583619	65.09208959636
607	219	19207	29018.8586730335	93627.7170250766	39.446229467788214	-00.6967423	53989.27119886514	436768.786336348	2890.696706336348	2784.86878312454	2720.6382545061187	2717.4852912598267	64.50282853512272	67.3834917141876
608	219	19208	29678.8586730335	93627.7170250766	39.4462274128962	-00.6944064	54200.2718786668	436766.783181555	2885.072481182962	2783.05174612959	2719.329450092036	2713.67746919237	63.7223902326625	69.3730919513553
609	219	19209	30338.8586730335	93627.7170250766	39.44622504968735	-00.6920706	54401.2724176442	436766.78	2889.82553557618	2782.22728590718	2717.910351746482	2711.299358007497	63.1693416068674	69.9792799
610	219	19210	30998.8586730335	93627.7170250766	39.44622331	-00.6897347	54602.2718216022	436766.77748469	2889.390480085765	2779.39519831037	2716.122843088847	2710.58155111668	63.0483581336285	65.9483581336285
611	219	19211	31658.8586730335	93627.7170250766	39.4462217706019	-00.6873899	54803.2730739475	436765.77492156	2888.3814043904615	2777.553804112797	2713.823479947084	2712.80844891112	63.3032404919584	64.74535471
612	219	19212	32318.8586730335	93627.7170250766	39.446218940712616	-00.6850631	55004.2731918183	436765.77203598	2886.798512512875	2775.686285092624	2711.546132850083	2710.008015400364	63.1542960915476	63.90547368626994
613	219	19213	32978.8586730335	93627.7170250766	39.44621731689414	-00.6827427	55205.2737944474	436765.76168954	2884.72899414105	2773.821374410172	2710.1838369868	2709.1838369868	63.1544515429157	65.1971999
614	219	19214	33638.8586730335	93627.7170250766	39.44621147473038	-00.6803914	55406.273	436765.76850044	2883.627567504928	2771.945365901748	2707.662141708125	2709.089555327272	62.8284213	62.8774041002624
615	219	19215	34298.8586730335	93627.7170250766	39.4462115237594	-00.6780556	55607.2727056915	436763.768142055	2881.350014334267	2770.03809532076	2706.964388	2707.081187589276	62.86491180547754	62.86491180547754
616	219	19216	34958.8586730335	93627.7170250766	39.44620978499026	-00.6757197	55808.272664175	436763.76529265	2878.74454513517	2768.55306673124	2707.181891	2707.659371619307	61.97431538883564	60.495305
617	219	19217	35618.8586730335	93627.7170250766	39.44620737230037	-00.6733839	56009.2716841867	436763.764	2875.384807555443	2766.250678553443	2708.0863508503267	2708.0863508503267	60.9634273021762	58.2310739135673
618	219	19218	36278.8586730335	93627.7170250766	39.44620541475914	-00.6710748	56210.2706921251	436762.762861482	2872.40214551672	2764.33996090852	2706.9619671765254	2706.7487379111935	57.3777313326384	57.590961098568
619	219	19219	36938.8586730335	93627.7170250766	39.44620341177555	-00.6688712	56412.2707238651	436762.761352369	2869.326197381761	2762.4229691023595	2704.97367898303	2704.70474902356	57.17649035959	57.71696996959
620	219	19220	37598.8586730335	93627.7170250766	39.44619986737	-00.6667124	56612.2707238651	436762.76124723	2866.13997303074	2760.45896274	2705.1793495421	2705.1793495421	57.17649035959	57.716969959
621	219	19221	38258.8586730335	93627.7170250766	39.4461977082234	-00.6644005	56813.2675757965	436761.767045444	2862.959276335714	2758.567120780975	2707.48861772637	2703.959523216857	57.0685034832324	55.4977408298964
622	219	19222	38918.8586730335	93627.7170250766	39.4461946324715	-00.6617407	57014.266727036	436761.76	2859.787573635514	2756.607714681216	2699.74869911155	2702.659313792144	56.1081074070657	53.9484004917660
623	219	19223	39578.8586730335	93627.7170250766	39.4461919491385	-00.6593689	57215.2659217284	436760.763055041	2857.673584	2754.6482533514	2698.100681477008	2701.769913921974	55.8468038	52.8793141199615
624	219	19224	40238.8586730335	93627.7170250766	39.4461892068334	-00.657033	57416.2637247945	436760.76465899	2856.644305912967	2752.862943168414	2696.1181084747636	2699.963829920928	55.6483482407774	52.696541703286
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626	219	19226	41558.8586730335	93627.7170250766	39.4461832049475	-00.652614	57814.26120963	436759.76129033	2854.72689941405	2749.72689941405	2693.578453589135	2695.478453589135	55.145415429157	53.0801744503174
627	219	19227	42218.8586730335	93627.7170250766	39.44618047548825	-00.6500255	58019.2587222958	436759.762202609	2853.798510215993	2748.739681515183	2698.902308204085	2690.619268444785	54.83550448905375	56.1185890730322
628	219	19228	42878.8586730335	93627.7170250766	39.44617785545324	-00.6476897	58220.2562	436759.762495326	2855.313077303484	2744.743967598309	2696.758706534387	2687.6868370009893	57.95826106392228	57.5710359710433
629	219	19229	43538.8586730335	93627.7170250766	39.44617549175987	-00.6453539	58421.25384021464	436759.761400861	2854.110533993404	2742.748627385993	2695.191805886002	2686.102492389959	57.5856106392228	56.644292769685
630	219	19230	44198.8586730335	93627.7170250766	39.4461730239073	-00.6430818	58622.2517	436758.761433495	2856.969036471257	2740.749742430328	2688.3495447	2686.084049659615	56.8004294682007	54.6713744636309
631	219	19231	44858.8586730335	93627.7170250766	39.4461688858008	-00.640882	58823.24916199513	436754.76965221	2859.935149271753	2738.749303287037	2683.04178215927	2684.8867643679395	55.7075150711907	53.68136556478676
632	219	19232	45518.8586730335	93627.7170250766	39.446165842518695	-00.638344	59024.245186965	436750.7679	2865.052091185135	2736.7415340917	2681.60712255252	2684.103798543283	55.0800307965509	52.64335452474855
633	219	19233	46178.8586730335	93627.7170250766	39.4461628418186	-00.635821	59224.245186965	436750.7679	2865.052091185135	2736.7415340917	2681.60712255252	2684.103798543283	55.0800307965509	52.64335452474855
634	219	19234	46838.8586730335	93627.7170250766	39.44615945418385	-00.633477	59426.24052432	436752.77292597	2867.72488414131	2734.7398310723	2677.60337919397	2680.967805626335	55.1245853	51.7482258208942
635	219	19235	47498.8586730335	93627.7170250766	39.446156229611992	-00.631388	59627.237471297	43						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft	
717	219	16037	101618.85867307335	93627.7170250766	39.44573824622753	-100.4398015	376108.5463	4367231.661384829	2782.64309	25.89	BR1Elev811651071773	2542.408330117722	2542.647058	47.40983498945525	47.1710714903708
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719	219	16039	102938.85867307335	93627.7170250766	39.4457182129225	-100.4351299	376610.5189549806	4367223.70089634	2784.16891768981467	25.87	BR1Elev815490856271125	2544.55028321508913	2544.69238110532216	43.239351261052216	43.16943338825169
720	219	16040	103598.85867307335	93627.7170250766	39.4457190114264	-100.4327941	376721.505239147504	4367219.719745094	2786.601269524197	25.86	BR1Elev812695249147	2544.252850518546	2544.266835069593	42.4384175063713	42.3937355592184
721	219	16041	104258.85867307335	93627.7170250766	39.44571009587413	-100.4304282	376912.49130484165	4367215.739690491	2789.8105585351414	25.85	BR1Elev8156937430012	2542.7937216244445	2542.802147299107	42.79935780565724	42.7909347010139
722	219	16042	104918.85867307335	93627.7170250766	39.445710254547952	-100.4281224	377113.47725271777	4367213.73963331	2790.1391255754744	25.84	BR1Elev8158452311234	2540.818453211234	2540.818453211234	42.946329354657265	43.63412186
723	219	16043	105658.85867307335	93627.7170250766	39.44568799966035	-100.4257866	377314.4630318756	4367207.779935474	2792.511750968202	25.83	BR1Elev813323741338	2538.286767807333	2538.33701159027	41.14955503400509	41.0061382311325
724	219	16044	106238.85867307335	93627.7170250766	39.44568851	-100.4234508	377515.448739358	4367204.800404953	2774.1945095987513	25.82	BR1Elev813462631337	2535.532466669301	2535.629195938327	41.0460959524014	45.7137287500501
725	219	16045	106898.85867307335	93627.7170250766	39.4456812129225	-100.421115	377610.5189549806	4367194.131177662	2780.2769595228854	25.81	BR1Elev813589511043	2532.613839347796	2532.68894717168	40.8556177630335	46.55984157913875
726	219	16046	107558.85867307335	93627.7170250766	39.4456738509811	-100.4187192	377917.41987201024	4367186.34156192325	2780.143489220443	25.80	BR1Elev8134489220443	2530.103323517323	2530.216387975933	40.520412495222	49.9270504064658
727	219	16047	108218.85867307335	93627.7170250766	39.44566516696974	-100.4164434	378118.40523483054	4367181.86302132	2770.5558909030196	25.79	BR1Elev8120893	2527.8865305662213	2528.045523317176	51.4028784168784	50.50833639594165
728	219	16048	108878.85867307335	93627.7170250766	39.44565905890304	-100.4141076	378319.390411896	4367177.884314075	2775.9201160375904	25.78	BR1Elev8190276873	2525.8093071592733	2526.00684712026	50.2997212305706	51.895172076676
729	219	16049	109538.85867307335	93627.7170250766	39.44565162931394	-100.4117718	378520.376113949	4367183.906	2776.4217584861258	25.76	BR1Elev8117539810562	2524.1163498122824	2524.1163498122824	52.64485839371851	52.64485839371851
730	219	16050	110198.85867307335	93627.7170250766	39.445644612	-100.409436	378721.36062505126	4367179.927487231	2776.7088923116727	25.75	BR1Elev8160895214554	2523.829893310064	2523.829893310064	51.77787596739245	52.5368143026954
731	219	16051	110858.85867307335	93627.7170250766	39.4456436149403	-100.4071002	378922.354540227	4367175.9478423	2778.5176796390328	25.74	BR1Elev814096326053	2521.899680514019	2521.671046988977	52.5412625289818	52.79985807370758
732	219	16052	111518.85867307335	93627.7170250766	39.4456289898971	-100.404764	379123.330306949	4367171.9714268	2777.385208901545	25.73	BR1Elev812647813598	2519.78033311598	2519.78033311598	53.28642498752536	54.2841269940051
733	219	16053	112178.85867307335	93627.7170250766	39.4456213116428	-100.4024298	379324.31497433153	4367167.984	2778.254859972165	25.72	BR1Elev8177481	2518.97718647602	2517.803762304263	53.2004967368045	54.27534781030576
734	219	16054	112838.85867307335	93627.7170250766	39.4456113621371	-100.4000928	379525.2995	4367164.016270362	2775.12445514021295	25.71	BR1Elev812806004012895	2518.27147249882	2518.27147249882	52.6085679149757	53.1952533328131
735	219	16055	113498.85867307335	93627.7170250766	39.4456084835005	-100.397757	379726.2839636025	4367160.0389733	2777.9123098320686	25.7	BR1Elev812798622168	2516.2457049886134	2515.566007903323	53.4265963	54.1062901788358
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737	219	16057	114818.85867307335	93627.7170250766	39.44559027505148	-100.393084	380128.2524945514	4367152.0846424	2766.328106919953	25.67	BR1Elev81232819591504	2511.9426323665084	2510.72626954710	56.4705498504336	56.4705498504336
738	219	16058	115478.85867307335	93627.7170250766	39.4455824072059	-100.3907496	380326.256862185	4367148.10830209	2566.0079634857046	25.66	BR1Elev8120796175046	2508.721055080272	2508.721055080272	57.2309474804465	57.2309474804465
739	219	16059	116138.85867307335	93627.7170250766	39.4455744845886	-100.3885129	380520.290191676	4367144.318172682	2568.2719747819257	25.65	BR1Elev8119747811929	2506.9735835081993	2506.9735835081993	58.0389335081993	58.0389335081993
740	219	16060	116798.85867307335	93627.7170250766	39.4455652265714	-100.386078	380721.20443337052	4367140.15536012	2568.35484805405	25.64	BR1Elev812522435717247	2503.890526188423	2504.37302354713	59.019052891759	59.14913336251765
1	220	16061	-370941.1413	93693.7170250766	39.44059547143504	-102.1221089	382213.677273326	4370338.58497895	3584.1848067853411	3716.5502689797354	3643.659196792534	3644.01696792534	72.8910721048198	72.8910721048198	
2	220	16062	-370281.1413	93693.7170250766	39.4405848719062	-102.1098735	382364.56236169918	4370331.751	3849.2755010238443	3715.32699619861	3641.2205330714605	3641.677659	74.1091665480048	73.6520405205919	
3	220	16063	-369261.1413	93693.7170250766	39.441010097836234	-102.107538	382565.686576088	4370327.623	3861.171312043841	3714.107573518399	3640.531775549526	3640.531775549526	75.354779686465	73.2547312679136	
4	220	16064	-368961.1413	93693.7170250766	39.44103534	-102.1052326	382768.00446075	4370323.44984273	3891.2754919751183	3712.885037483168	3639.8604251588326	3639.8604251588326	73.02461281	72.93123902806536	
5	220	16065	-368891.1413	93693.7170250766	39.4410263957948	-102.1028193	382967.8315827358	4370319.3871	3897.59715662006	3710.87175448169	3638.36010789187	3638.36010789187	73.2364331828298	73.2364331828298	
6	220	16066	-368441.1413	93693.7170250766	39.4410850911302	-102.100317	383169.07507258	4370313.23885901	3901.4681275715892	3710.42737580906	3638.128140125455	3638.128140125455	74.09990502579	74.09990502579	
7	220	16067	-366981.1413	93693.7170250766	39.44111089318396	-102.0981962	383370.1763317944	4370311.111	3950.800543205408	3710.23220405995	3633.88906651603	3633.88906651603	75.381312013496441	75.381312013496441	
8	220	16068	-366321.1413	93693.7170250766	39.44113587413604	-102.0958068	383571.298331976	4370308.9832716	3949.328281157433	3707.97358282282	3631.3448596374634	3631.179111604305	76.76314484481865	76.76314484481865	
9	220	16069	-365661.1413	93693.7170250766	39.4411688439859	-102.0935253	383772.42006787937	4370302.8567155	3947.8565078602202	3706.76021064555	3630.3638954586713	3630.2864839785752	76.99935130778388	76.99935130778388	
10	220	16070	-365001.1413	93693.7170250766	39.4411859927329	-102.0911899	383928.7251939689	4370298.727979585	3946.384734821731	3705.53209724655	3629.3530637796965	3629.3530637796965	77.57060097060194	77.57060097060194	
11	220	16071	-364341.1413	93693.7170250766	39.4412107990376	-102.088854	384124.6627487183	4370293.60348162	3945.547028749515	3704.3043614631783	3628.584126167496	3628.584126167496	77.8182991759442	77.8182991759442	
12	220	16072	-363681.1413	93693.7170250766	39.44123563919165	-102.085187	384275.7839219172	4370290.147671678	3947.3255016714252	3703.078368193637	3627.6255016714252	3627.6255016714252	78.47768574	78.47768574	
13	220	16073	-363021.1413	93693.7170250766	39.44123601837	-102.0814835	384576.9437433046	4370286.30176197	3935.1397564208516	3701.848281765636	3626.416960356713	3626.529611455696	79.3241314081473	79.3241314081473	
14	220	16074	-362361.1413	93693.7170250766	39.441253176637	-102.081848	384776.0427952512	4370282.24065731	3936.93119639056	3700.619710052357	3625.138221471438	3625.253535	79.4417790521398	79.4417790521398	
15	220	16075	-361701.1413	93693.7170250766	39.4413100669907	-102.0795126	384979.14484799345	4370278.098140224	3930.14754178515	3699.391130776652	3623.1659600737547	3623.2329207327694	76.2251972028728	76.2251972028728	
16	220	16076	-361041.1413	93693.7170250766	39.44134731202996	-102.0771771	385180.2640465328	4370273.974357175	3930.77395594701	3698.16276195861	3620.8767963120317	3621.0998658950352	77.2856786032357	77.2856786032357	
17	220	16077	-360381.1413	93693.7170250766	39.44135943034443	-102.074816	385381.3847080768	4370269.847	3915.400771715872	3696.93494478044	3618.638170420855	3618.638170420855	78.02961420821894	78.02961420821894	
18	220	16078	-359721.1413	93693.7170250766	39.441370442295025	-102.0725062	385592.50844295025	4370262.71653634	3910.0268279404544	3695.707035405615	3616.751488194552	3616.751488194552	78.9505763652197	78.9505763652197	
19	220	16079	-359061.1413	93693.7170250766	39.44138394417	-102.0702178	385793.620597165	4370258.492971847	3908.498183378942	3690.2549148312763	3610.28525855546	3610.28525855546	79.6164133170994	79.6164133170994	
20	220														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRElevKgs.fg	BRElevBothKrg	SatHtKgs.fg	SatHtBoth.f
100	220	162163	-308621.1413	936937.3170250766	39.44431134928425	-101.739859	525676.71361748093	4399915.835305475	3724.4203088439626	375.22866248829335	3443.9137376678587	3456.3497656250347	334.06999281507486	121.87600898789881
104	220	162164	-302961.1413	936937.3170250766	39.444332508	-101.871663	525877.0109965207	4399911.728095488	3722.011668273708	3576.804182981074	3442.63012772629	3453.733600351915	337.9740602044648	122.87506262918602
106	220	162165	-302920.1413	936937.3170250766	39.44335271794496	-101.8693147	525700.4872559663	4399907.630819881	3719.68492125127	3574.976217468394	3441.72004737602756	3450.8502393488354	333.700478311029	124.081271
106	220	162166	-301641.1413	936937.3170250766	39.44337341686206	-101.866971	525380.0054239343	4399903.1537277	3719.39487143908	3573.9307417206	3439.9844117234493	3450.26404237565	332.0766919155448	123.0766919155448
107	220	162167	-300981.1413	936937.3170250766	39.44343015826826	-101.8646435	523481.1022711418	4399907.4027236916	3716.1719309529744	3571.691450647997	3438.666838539153	3450.185013827424	332.6540120664568	121.5054367773526
108	220	162168	-300321.1413	936937.3170250766	39.44341456961791	-101.8623709	523682.1988751114	4399905.300792402	3716.5337531578844	3570.0332721613145	3437.3751706129715	3449.5007154832596	332.65810154832596	122.0543755267827
108	220	162169	-299661.1413	936937.3170250766	39.443433508	-101.8599723	523883.2952324147	4399891.194342028	3716.889383722194	3568.36663752505	3435.980913	3448.503779764941	332.3837503708943	119.86089897389014
110	220	162170	-299001.1413	936937.3170250766	39.4434554203116	-101.8573637	524084.3913520045	4399887.08833981	3717.263115506804	3566.685812660448	3434.515228005638	3447.7259316964696	332.1705846081413	119.858089389014
110	220	162171	-298341.1413	936937.3170250766	39.44345796953685	-101.8553011	524240.9672559663	4399882.362456968	3716.84942125127	3564.976217468394	3443.013602875342	3443.645117140324	331.9957519626296	122.87506262918602
112	220	162172	-297681.1413	936937.3170250766	39.44349633927456	-101.8529365	524486.86255968	4399878.676782547	3715.91371791635	3563.2889042423565	3437.1486932203065	3443.62842380769	331.95107102547	122.65506262918602
113	220	162173	-297021.1413	936937.3170250766	39.443516662032	-101.8506299	524687.6782441577	4399874.713136745	3715.1622242324003	3561.591145	3429.880770564836	3443.7200337670153	331.7037048029738	123.870116807465
114	220	162174	-296361.1413	936937.3170250766	39.44353694536478	-101.848243	524888.773389515	4399870.66609143	3708.209147288206	3558.6740594441156	3428.420456355551	3430.76579032322	331.453603885647	126.1069937047923
115	220	162175	-295701.1413	936937.3170250766	39.44355718341124	-101.8455897	525089.868255357	4399866.561009387	3708.347057862504	3558.147791487006	3426.537068620491	3430.781362820943	331.61073628620943	127.36643871604792
116	220	162176	-295041.1413	936937.3170250766	39.44357737634282	-101.843623	525290.0629354254	4399862.456168816	3708.6759743180425	3556.4125641291903	3424.561010638165	3430.404611621252	331.8515524937127	126.0097526973846
117	220	162177	-294381.1413	936937.3170250766	39.4435972416954	-101.8412674	525492.0547272533	4399858.15334037	3708.9759743180425	3554.6676504705066	3423.4841661151197	3430.457489281754	331.2184843194409	124.2101811888047
118	220	162178	-293721.1413	936937.3170250766	39.44361762081266	-101.838918	525693.151465977	4399854.274109677	3709.2230898884254	3552.9111634433957	3421.561479024096	3429.453765080698	331.34968381930058	125.4573978343668
119	220	162179	-293061.1413	936937.3170250766	39.443637684458025	-101.8366182	525894.2458532742	4399846.12889363	3709.4418975122455	3551.143926404666	3418.82122550973	3428.943078	332.522709893546	124.2008464344653
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121	220	162181	-291741.1413	936937.3170250766	39.443677664286454	-101.831945	526296.42373306973	4399841.93085721	3705.016439836423	3547.5955091785105	3414.952353233783	3427.211801870348	332.6443559423226	120.3837070497178
122	220	162182	-291081.1413	936937.3170250766	39.443697856828096	-101.8296094	526497.5250454937	4399837.831494274	3702.803692	3545.819302049243	3413.789854060978	3428.458945945847	332.630151069182	117.3597014584884
123	220	162183	-290421.1413	936937.3170250766	39.44371746365456	-101.8272737	526698.61897172248	4399833.728111056	3699.6451047393597	3544.402839716851	3410.886336701521	3428.045400872364	332.1556030131204	114.4979884450527
124	220	162184	-289761.1413	936937.3170250766	39.4437372556588	-101.8248381	526891.711484706	4399826.24363072	3695.54069619653	3542.2605371719	3408.301967026406	3428.02427230894	331.958676911336	114.1781656042921
125	220	162185	-289101.1413	936937.3170250766	39.44375796511729	-101.8098868	527100.80413981	4399819.2639639	3692.714686768257	3539.536417	3398.689366963754	3330.017830291754	331.77716891889474	119.8416705036
126	220	162186	-288441.1413	936937.3170250766	39.443776864458025	-101.8202698	527301.8953030118	4399821.419	3687.3317891156835	3538.675785032217	3403.5694405370092	3407.8854714449496	331.106339952077	130.7803135276273
127	220	162187	-287781.1413	936937.3170250766	39.44379652100486	-101.8179313	527502.98840013568	4399817.31666042	3684.7025791496626	3536.807918475465	3400.795812719888	3400.8601106473647	331.0854176647647	148.26491232047804
128	220	162188	-287121.1413	936937.3170250766	39.44381617255874	-101.8155956	527704.08017272005	4399813.21438282	3683.594788171062	3535.0700507869174	3398.1692554742923	3402.36283645812	330.9709531442507	127.9246442206612
129	220	162189	-286461.1413	936937.3170250766	39.4438377899365	-101.81326	527905.1717046275	4399809.12183834	3682.5643897814602	3533.2614783483595	3395.4634977791006	3392.0323932849286	331.7979810052586	201.273454634309
130	220	162190	-285801.1413	936937.3170250766	39.44385534031319	-101.8109244	528106.26299728284	4399805.01258574	3681.243412603597	3531.450024145673	3392.981986	331.1959606696668	331.4680382324028	216.2540534804921
131	220	162191	-285141.1413	936937.3170250766	39.44387485651729	-101.8088868	528307.3540569348	4399800.889872	3679.14686768257	3529.536417	3391.77716891889474	331.017830291754	331.77716891889474	119.8416705036
132	220	162192	-284481.1413	936937.3170250766	39.443894327605948	-101.805251	528508.446456418	4399798.145646418	3677.043071981013	3527.9213042074466	3390.928017172635	331.152289953818	331.152289953818	168.534759217727
133	220	162193	-283821.1413	936937.3170250766	39.44391373557906	-101.8039175	528709.53544180194	4399792.7603339	3672.9565703348985	3526.005277603118	3388.46433232668	337.681209238956	331.541243804498	149.203905792224
134	220	162194	-283161.1413	936937.3170250766	39.44393313436655	-101.8015819	528910.627675193	4399785.704063253	3672.11777476305	3524.1885805440454	3387.809589417364	3390.117351684418	331.7872821231304	134.0758528860719
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136	220	162196	-281841.1413	936937.3170250766	39.4439717608059	-101.7969106	529312.80574049693	4399780.40307524	3643.76058679653	3520.53663207793	3387.886651836385	3399.11040375193	331.6670271371545	121.4434596050258
137	220	162197	-281181.1413	936937.3170250766	39.4439910615922	-101.794575	529519.3895718985	4399776.30208604	3638.04787983031	3518.738602721881	3388.327319934567	3397.689510584299	331.102632523528	120.8538911884819
138	220	162198	-280521.1413	936937.3170250766	39.4440102613968	-101.7922393	529714.9847016796	4399772.42063435	3635.825096708103	3516.9273819585	3392.722704	3392.722704	331.102632523528	120.8538911884819
139	220	162199	-279861.1413	936937.3170250766	39.4440296115822	-101.7899037	529916.0738884396	4399768.10239327	3632.827338	3515.123416601206	3388.6389088337184	3391.8331932848	331.28454057	123.408638685849
140	220	162200	-279201.1413	936937.3170250766	39.44404847	-101.787568	530117.1628103064	4399764.00294334	3628.75424276095	3513.32183219419	3382.29794020631	3392.561704063906	331.0282341967877	120.76447915551307
141	220	162201	-278541.1413	936937.3170250766	39.44406753201156	-101.7852324	530318.2548478278	4399762.94983146	3626.27125099147	3511.35274603906	3378.683751779543	3395.78257193814	331.0553122843182	115.7000087009197
142	220	162202	-277881.1413	936937.3170250766	39.444086557133495	-101.7828968	530519.3399247534	4399755.80383536	3627.788205958885	3509.785330115917	3375.1292625967305	3396.674906839374	331.6297021479816	118.28362617117197
143	220	162203	-277221.1413	936937.3170250766	39.44410553194957	-101.7805611	530720.4812359318	4399751.704165364	3626.8930252198474	3507.991709214166	3371.705829701983	3395.780765917223	331.26858801031363	116.2839391299642
144	220	162204	-276561.1413	936937.3170250766	39.444124461469736	-101.7782255	530921.5160883398	4399747.605135485	3625.585697404448	3506.237644389415	3368.620625444894	3398.6295404354257	331.6186302045105	116.608132055487
145	220	162205	-275901.1413	936937.3170250766	39.4441433242385	-101.7759433	531122.638180026	4399743.44031861	3624.27947474747	3504.931385423077	3367.7146744663	3399.931385423077	331.6186302045105	116.608132055487
146	220	162206	-275241.1413	936937.3170250766	39.44416218570218	-101.773525	531323.6913954292	4399739.4074735861	3623.9710543261545	3502.7713004130005	3362.6057953248			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
220	12228	-220461.1413	936937.3170250766	39.44566858398218	-101.5799618	278013.151160160	4399399.948913992	3504.033374810003	337.8312004873785	3247.261780232354	3247.309340624285	316.65022415543126	316.6029723353664	
220	12229	-219801.1413	936937.3170250766	39.44565363349601	-101.5773588	278214.2156655250	4399396.967769985	3547.1469811665093	3256.29562501121	3244.821910264125	3244.821910264125	317.33970615899704	317.43771623699604	
221	12229	-219181.1413	936937.3170250766	39.44566978796504	-101.5760001	278415.267544124	4399391.768334116	3545.1830162447004	3390.598935289315	3242.491786383152	3243.2809917460454	318.10713802318617	317.3101383518617	
222	12230	-218481.1413	936937.3170250766	39.44561359735365	-101.5728683	278615.277402866	4399377.760104286	3543.1444710521474	3378.9310112541474	3240.1915951300084	3240.1915951300084	317.7302071902407	317.7302071902407	
223	12230	-217821.1413	936937.3170250766	39.445642851	-101.5703486	278817.4234755802	4399383.625628584	3541.106939044488	3377.25996337188	3232.42077323642	3240.6597421772294	318.8232228120769	318.59325415848934	
224	12234	-217161.1413	936937.3170250766	39.445643380733586	-101.5680129	27901.8491009270	4399375.542630033	3539.06744044322	3378.36688629556	3236.6907661079	3238.36269399812	318.8646122017615	317.70209948314348	
225	12229	-216501.1413	936937.3170250766	39.44568202445456	-101.5656577	279219.588325079	4399375.465161435	3539.096671950747	3373.854638529274	3235.1193961516055	3235.5562890259676	318.74469201231387	318.3311439448951	
226	12296	-215841.1413	936937.3170250766	39.4456729638424	-101.5633414	279420.624238952	4399371.3852619715	3541.19373564106	3372.15464616945	3233.70510068292	3236.62262618171	318.44829233393163	319.29225348298343	
227	12297	-215181.1413	936937.3170250766	39.44569771741248	-101.5610606	27956.609262385	4399375.50569905	3543.29085177337	3374.03569823833	3232.698980173465	3230.969540295676	317.94549923303428	318.4556343303428	
228	12299	-214521.1413	936937.3170250766	39.4457104056763	-101.5586969	27972.758965547	4399363.12680732	3538.791670568	3368.705728537143	3231.072086239044	3229.55107	317.8336403526891	319.1546793595014	
229	12299	-213861.1413	936937.3170250766	39.4457104960379	-101.5563341	280023.8254170274	4399359.146687939	3545.6848431028	3366.96746584102	3229.94511256738	3231.76214924886	317.0225732473641	318.20515529611366	
230	12300	-213201.1413	936937.3170250766	39.4457164802099	-101.5539984	280224.956767301	4399355.06738022	3541.16182902625	3365.223083623254	3228.904096922927	3230.96568047316	316.4143991339667	314.82724378909025	
241	12301	-212541.1413	936937.3170250766	39.445760201319146	-101.5516626	280425.9576621395	4399390.988874572	3542.676181126534	3363.47520831014053	3228.103873	3227.16322055291	316.3171029662831	316.3171029662831	
242	12302	-211881.1413	936937.3170250766	39.4457704909295	-101.5493269	280627.0234605154	4399394.619220026	3541.17519274881	3361.2712996058433	3226.920397576963	3226.920397576963	316.40090204817407	316.3263921307697	
243	12303	-211221.1413	936937.3170250766	39.44577917255833	-101.5469911	280828.089427206	4399342.83172448	3537.4530322691965	3359.96268588118	3225.445222866714	3226.389077484844	316.43173457204036	316.3756077363584	
244	12304	-210561.1413	936937.3170250766	39.4457809049929	-101.5446554	281020.154091215	4399338.753331957	3531.53728924022	3358.19941154248	3224.2025959504296	3225.0977631824895	313.9988120334016	313.1016283036034	
245	12305	-209901.1413	936937.3170250766	39.44580383282045	-101.5423196	281230.2196589176	4399334.67546778	3525.557177329044	3354.3223389898	3222.8974536762034	3221.74748702721	313.534897136946	314.843744687173	
246	12306	-209241.1413	936937.3170250766	39.445818291030896	-101.5399839	281431.2849552809	4399335.965770952	3519.6106149370248	3354.61410903047	3221.6119537789746	3219.1329352177844	313.0196273000154	313.5285485725626	
247	12307	-208581.1413	936937.3170250766	39.44583257361435	-101.5376481	281632.3439	4399336.250025451	3514.95715534294	3352.8870815805835	3220.986571384424	3217.495211145089	313.9062244411415	313.3957403540644	
248	12308	-207921.1413	936937.3170250766	39.445846811878096	-101.5353124	281833.41382074717	4399332.424641262	3511.596798615462	3351.10934353957	3219.6543610148965	3215.851857	313.2577732378752	313.2577732378752	
249	12309	-207261.1413	936937.3170250766	39.44587010342363	-101.5329766	282034.4781112132	4399318.365437398	3508.236422193728	3349.328510219378	3218.242888586779	3216.92027031341675	313.0856213622881	313.09539887806596	
250	12310	-206601.1413	936937.3170250766	39.44587515064597	-101.5306409	282235.5427811071	4399314.28440805	3506.4718085135792	3347.544653244714	3216.905703627563	3216.905703627563	313.0914917132772	313.0914917132772	
251	12311	-205941.1413	936937.3170250766	39.4458829275588	-101.5283801	282436.609485103	4399307.116511317	3504.921855620827	3345.78389523837	3216.821927044196	3216.821927044196	313.0914917132772	313.0914917132772	
252	12312	-205281.1413	936937.3170250766	39.44590330974297	-101.5259963	282637.6696951054	4399306.105699152	3507.796937109404	3343.97046105897	3214.273555200422	3209.980540549513	312.6960407450728	313.982396095383	
253	12313	-204621.1413	936937.3170250766	39.44591372161076	-101.5236336	282838.73124358	4399304.058987485	3510.8642964895025	3342.1805772391476	3213.2605437884968	3208.75659220421	312.6960407450728	313.982396095383	
254	12314	-203961.1413	936937.3170250766	39.44593129	-101.5212978	283039.79634910834	4399297.983	3513.931642043105	3340.3894514003573	3211.666562557353	3207.45462328142	312.728884462305	312.9334989271251	
255	12315	-203301.1413	936937.3170250766	39.44594520988821	-101.5198621	283240.859552399	4399293.90667131	3513.4161110231045	3338.994191071121	3210.278738032905	3206.254814	312.7854437342409	312.7854437342409	
256	12316	-202641.1413	936937.3170250766	39.4459606497815	-101.5166263	283441.922148033	4399289.831	3510.3176887317	3336.7933534968324	3208.920621673082	3205.192050289362	312.8726732373418	313.68410268778665	
257	12317	-201981.1413	936937.3170250766	39.445972917897964	-101.5142926	283642.964	4399285.75308495	3508.219267431654	3334.96743926251	3207.559743926251	3207.559743926251	312.8726732373418	313.68410268778665	
258	12318	-201321.1413	936937.3170250766	39.4459867415862	-101.5119548	283844.070944335	4399281.793600307	3507.1208133792733	3332.7871274158428	3206.92072544196	3206.92072544196	312.8726732373418	313.68410268778665	
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261	12321	-199341.1413	936937.3170250766	39.44602779	-101.5049475	284447.2329	4399269.451580024	3496.5400178438967	3327.7398503954632	3203.2415149243623	3200.8774759382513	312.4983354522069	312.8726732373418	
262	12322	-198681.1413	936937.3170250766	39.4460413804599	-101.5026117	284648.2943624924	4399265.368488446	3495.527370905054	3325.92462679388	3202.50560066875	3195.742633632484	312.4134262520073	313.18371910363	
263	12323	-198021.1413	936937.3170250766	39.446049548777175	-101.5002799	284849.3557414458	4399261.30634669	3495.671131592333	3324.115431026587	3201.684301779263	3194.882712358924	312.4134262520073	313.18371910363	
264	12324	-197361.1413	936937.3170250766	39.44606841221088	-101.4978206	285046.68456103	4399257.25308495	3497.971145773932	3322.902702544196	3200.92072544196	3200.92072544196	312.4134262520073	313.18371910363	
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266	12326	-196041.1413	936937.3170250766	39.446095370019606	-101.4932268	285452.534	4399249.0482065	3485.57106802314	3318.710830617568	3199.15985730057	3195.761039726277	312.554848751063	312.947266440914	
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269	12329	-194061.1413	936937.3170250766	39.446113538	-101.4862613	286055.719134269	4399236.8648891	3497.097925	3313.383654	3195.272657279245	3189.973191452323	312.554848751063	312.947266440914	
270	12330	-193401.1413	936937.3170250766	39.4461486200778814	-101.4839255	286256.7789617922	4399232.62004407	3497.048458809523	3311.63350788023	3193.161828127173	3187.476762479822	312.554848751063	312.947266440914	
271	12331	-192741.1413	936937.3170250766	39.4461730734151	-101.4815898	286467.6386793095	4399227.2325087	3497.971145773932	3309.2702702544196	3191.72891425768	3187.476762479822	312.554848751063	312.947266440914	
272	12332	-192081.1413	936937.3170250766	39.4461749748151	-101.479254	286685.8979867677	4399217.64004748	3497.177027105933	3308.19264179723	3190.125545358472	3187.066176223756	312.554848751063	312.947266440914	
273	12333	-191421.1413	936937.3170250766	39.4461880838351	-101.4769182	286859.9578129204	4399205.27471656	3496.48125541091524	3306.505380906066	3187.1750763459972	3182.85889866944	312.554848751063	312.947266440914	
274	12334	-190761.1413	936937.3170250766	39.44620114821901	-101.4745824									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
356	220	162415	-137301.1413	936937.3170250766	39.444710951573063	-101.2853189	303346.1170796509	4386887.3558949949	3360.670058698401	1389.1872164603847	3088.5191719071236	3086.129650669477	100.680445532611	103.021425139347031
356	220	162416	-136641.1413	936937.3170250766	39.444711888017799	-101.2830461	303347.1596	4386883.301	3357.297189965232	1388.2793542397035	3086.146278630007	3086.1377474200378	103.134760691965857	103.14160681965857
356	220	162417	-135981.1413	936937.3170250766	39.444713181959367	-101.2807102	303348.2018163477	4386884.321	3353.924321424242	1387.344178846513	3087.039890237302	3077.928684683036	103.236515487343424	103.236515487343424
356	220	162418	-135321.1413	936937.3170250766	39.447137473707769	-101.2787344	303349.2339493892	4386875.91314819	3355.0514525186677	1386.357834028505	3081.5047561664694	3082.29962201973	104.5711168278883	104.5711168278883
356	220	162419	-134661.1413	936937.3170250766	39.447165025078995	-101.2760386	304150.2859	4386881.136867693	3347.325124605899	1385.3834665644627	3079.5886348654273	3078.298217902568	105.79482718903546	104.594247342297175
356	220	162420	-134001.1413	936937.3170250766	39.4471558675053	-101.2737027	304351.3276424118	4386887.062627012	3344.2653317517702	1384.7636730421415	3077.88212336615	3076.793273382366	106.4825466897666	104.7240456438164
361	220	162421	-133341.1413	936937.3170250766	39.447165025078995	-101.2736369	304552.36918888	4386883.02892769	3341.165500413924	1383.3192924903474	3076.390825	3078.781742326751	106.928467342297175	104.532147642297175
361	220	162422	-132681.1413	936937.3170250766	39.4471713040625	-101.269031	304753.0140523241	4386887.97476493	3338.085733182914	1382.246319537589	3076.18965541379	3078.12282576173	107.0433399620983	104.0180520023752
361	220	162423	-132021.1413	936937.3170250766	39.44718317690172	-101.266685	304854.4516714105	4386884.921	3335.924321424242	1381.74417545114065	3077.928684683036	107.236515487343424	103.236515487343424	103.236515487343424
364	220	162424	-131361.1413	936937.3170250766	39.4471921715752	-101.2643594	305155.4928399206	4386880.58	3333.546330317614	1380.01515	3072.818684530272	107.1964703424293	102.1643436275147	102.1643436275147
365	220	162425	-130701.1413	936937.3170250766	39.44720112972889	-101.2620235	305356.5334	4386884.61820004	3331.546637156321	1378.8599231703006	3071.7245844223994	3077.929160403307	103.3333749119	100.3075913999337
366	220	162426	-130041.1413	936937.3170250766	39.4472104025677	-101.2596877	305557.57399217854	4386882.76117828	3329.546945380804	1377.67904947498	3070.576648	3078.05945036956	107.10315768934785	99.58235466790211
367	220	162427	-129381.1413	936937.3170250766	39.44721891106479	-101.2573518	305758.614382455	4386883.70822041	3327.7703619031718	1376.4755177041225	3069.424062075537	3078.78851275427526	107.10513114965881	97.89039016136985
368	220	162428	-128721.1413	936937.3170250766	39.4472277405093	-101.255016	305959.6545241418	4386883.656132632	3326.216895719157	1375.241241691057	3067.9542672050828	3078.9795454647856	107.2938569431296	96.2668952
368	220	162429	-128061.1413	936937.3170250766	39.44723651191521	-101.2526801	306160.6945926546	4386880.603749599	3324.6613747432196	1373.9992315136074	3066.52209694239	3078.958517970182	107.4771345235941	93.74017354
370	220	162430	-127401.1413	936937.3170250766	39.44724524	-101.250343	306361.7344122134	4386826.551572934	3323.1099449132425	1372.79168975136	3065.06504411356	3080.723013	107.6641264613791	92.0061527
371	220	162431	-126741.1413	936937.3170250766	39.447253992278066	-101.2480084	306562.7740424368	4386882.499602823	3321.702129419303	1371.43436456682	3063.45738796687	3080.4237530605847	107.754846098496	91.011833961367
372	220	162432	-126081.1413	936937.3170250766	39.44726253747662	-101.2456726	306763.81348322064	4386881.847383665	3318.95495132392795	1370.122945714182	3061.878723894364	3085.728314714483	108.2442218974741	89.39457167732917
373	220	162433	-125421.1413	936937.3170250766	39.44727171523215	-101.2433368	306964.8527346884	4386814.36820104	3316.7027791166284	1368.8013633468423	3060.4630454094217	3083.1241689031	108.33831793752051	85.6795865791001
374	220	162434	-124761.1413	936937.3170250766	39.44727923412056	-101.2410099	307165.89189701475	4386810.34427743	3314.450608103176	1367.478277860368	3058.0515409842683	3076.680717131974	107.8641264613791	92.0061527
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376	220	162436	-123441.1413	936937.3170250766	39.4472968555536	-101.2362392	307567.96455366	4386802.24284414	3310.508984855532	1364.033770701625	3056.4455639701497	3077.2896267602305	106.3881387794728	97.54407598993203
377	220	162437	-122781.1413	936937.3170250766	39.4473051044887	-101.2339834	307789.9517474	4386807.192111811	3308.32507507382	1362.941961708372	3054.19216858797	3078.19216858797	106.3881387794728	97.54407598993203
378	220	162438	-122121.1413	936937.3170250766	39.44731348221056	-101.2316755	307970.0425955304	4386879.142	3306.754943240827	1362.1491074605324	3056.65304009034	3062.9060200191937	106.4387905962859	95.2423105455927
379	220	162439	-121461.1413	936937.3170250766	39.447321808855136	-101.2293217	308171.084539790	4386870.09126602	3304.2950237423698	1360.9125447184954	3056.9125447184954	3061.93975119308	106.6486367321703	98.92307330121951
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381	220	162441	-120141.1413	936937.3170250766	39.447338326778066	-101.22465	308573.1605067301	4386871.991254416	3303.18695758102	1357.945512780061	3056.7854367808022	3061.8618319	97.1604578099258	96.1293952825087
382	220	162442	-119481.1413	936937.3170250766	39.44734651805643	-101.222341	308747.19	4386877.941544514	3302.135167755385	1356.4943273909457	3061.6467160877268	3061.26650516814123	98.48761119227175	94.28781507682272
383	220	162443	-118821.1413	936937.3170250766	39.44735464621283	-101.2198783	308956.934778731	4386873.95678731	3300.92507507382	1354.921033429268	3061.15688418892	3061.377117762655	98.854148913	96.1293952825087
384	220	162444	-118161.1413	936937.3170250766	39.44736275646714	-101.2174241	309176.272166004	4386879.82164177	3300.2753630746137	1353.92507507382	3061.15688418892	3061.377117762655	98.854148913	96.1293952825087
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386	220	162446	-116841.1413	936937.3170250766	39.44737883194854	-101.2129707	309578.3459720949	4386871.744803246	3291.4968142829234	1350.497172868892	3054.9317559828824	3054.810574712412	95.5545278807973	95.68154157148025
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388	220	162448	-115521.1413	936937.3170250766	39.4473947816167	-101.208299	309980.4190319376	4386875.647672091	3285.883241937085	1347.379574166364	3051.3598014212203	3051.16712459306	96.019727451365	96.2183586732582
389	220	162449	-114861.1413	936937.3170250766	39.44740293594854	-101.2059831	310181.4552827605	438679.599413049	3283.104249	1345.796456573396	3048.79075015367	3048.61958914898	96.0063970419947	96.18077257585856
390	220	162450	-114201.1413	936937.3170250766	39.44741042385984	-101.203672	310292.491347769	438675.51362028	3280.32507507382	1344.196017036872	3044.27146919072	3046.194057705923	96.4897012	96.18077257585856
391	220	162451	-113541.1413	936937.3170250766	39.44741820968484	-101.2012914	310388.5722722624	438674.501	3278.02024089504	1342.758052036702	3042.135721660484	3046.948364212384	95.430813271622	95.9393679
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393	220	162453	-112221.1413	936937.3170250766	39.44743364405576	-101.1966197	310985.5984301588	438674.40460465	3271.209167184363	1339.2901357685416	3044.9332425812586	3044.918596667108	94.3542684	94.37206932237083
394	220	162454	-111561.1413	936937.3170250766	39.4474412386762	-101.1942838	311186.6337540561	4386729.361219749	3268.118634829025	1337.61736491424	3044.0403713274596	3044.918596667108	94.3542684	94.37206932237083
395	220	162455	-110901.1413	936937.3170250766	39.44745088557596	-101.191948	311387.3689	4386725.314199816	3263.95336511331	1335.67849654138	3043.18508769997	92.6717033022835	92.7493758414088	92.7493758414088
396	220	162456	-110241.1413	936937.3170250766	39.44745948125048	-101.189601	311588.703478245	4386721.26738538	3258.71320503723	1334.223478141407	3042.496405295556	3042.99099688818	91.7270271155164	91.6427485
397	220	162457	-109581.1413	936937.3170250766	39.44746781187169	-101.1872814	311790.732047686	438671.17476131	3254.323248885058	1332.7558219176	3041.338629786163	3041.338629786163	91.7270271155164	91.6427485
398	220	162458	-108921.1413	936937.3170250766	39.44747611893015	-101.184924	311990.732047686	438671.17476131	3254.323248885058	1332.7558219176	3041.338629786163	3041.338629786163	91.7270271155164	91.6427485
399	220	162459												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKgt.	BRIElevBothKgt.	SatThrsKgt.	SatThBothKgt.
420	126241	-5411.141313		936937.3170250766	36.4479340801095	-00.9910627	328676.02239276	4383678.04083438	3137.817779616616	2939.3344014850033	2927.654887589485	2926.609638770679	66.27951425551828	67.32456307432449
482	126242	-53481.141313		936937.3170250766	36.44793778	-00.9887268	328877.0242358525	4383674.01719357	3126.632371490774	2992.574254720384	2926.796605975954	2926.796605975954	66.44661875735932	66.44661875735932
483	126243	-52821.141313		936937.3170250766	36.44794141	-00.9829799	329078.167419583	4383683.91966298	3123.58527	2993.176878219086	2925.168545286358	2925.168545286358	66.04419686837478	66.04419686837478
484	126244	-52161.141313		936937.3170250766	36.4479449955488	-00.9840565	329297.0415445603	4383695.05105433	3126.633246119447	2994.584417803445	2924.851570120123	2924.851570120123	65.030021022166	65.030021022166
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ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Ls.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
000	220	162667	90078.8586730335	39.93937	31.70250766	39.44804230569294	-100.6967397	3400003.2781	3467871.98742612	29878978454510343	2719.598513719872	2717.2409058482545	68.1250273273916
008	220	162668	26678.8586730335	39.93937	31.70250766	39.44804029914294	-100.6944038	354204.27854528173	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
009	220	162669	30338.8586730335	39.93937	31.70250766	39.44803624746605	-100.6926878	354405.278697685	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
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011	220	162671	31658.8586730335	39.93937	31.70250766	39.448034080752366	-100.6873691	354807.27909721236	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
012	220	162672	32318.8586730335	39.93937	31.70250766	39.44803182170867	-100.6850062	355008.279005146	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
013	220	162673	32978.8586730335	39.93937	31.70250766	39.44802598954157	-100.6827243	355029.27897838245	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
014	220	162674	33638.8586730335	39.93937	31.70250766	39.44802312251057	-100.6803284	355410.278387444	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
015	220	162675	34298.8586730335	39.93937	31.70250766	39.44802036476605	-100.6779625	355851.2778712814	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
016	220	162676	34958.8586730335	39.93937	31.70250766	39.4480202229746	-100.6757166	356102.277158379	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
017	220	162677	35618.8586730335	39.93937	31.70250766	39.44802021	-100.6738807	356103.2764122225	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
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019	220	162679	36938.8586730335	39.93937	31.70250766	39.448015248947364	-100.668709	356415.241529185	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
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021	220	162681	38258.8586730335	39.93937	31.70250766	39.4480110776216	-100.6640372	356817.2718551314	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
022	220	162682	38918.8586730335	39.93937	31.70250766	39.4480074694848	-100.6617013	357018.2706772826	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
023	220	162683	39578.8586730335	39.93937	31.70250766	39.4480047860348	-100.6593654	357219.2824728264	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
024	220	162684	40238.8586730335	39.93937	31.70250766	39.4480025755908	-100.6570295	357420.2669793007	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
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028	220	162688	42878.8586730335	39.93937	31.70250766	39.4479905227573	-100.6474869	358224.258557171	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
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039	220	162699	50138.8586730335	39.93937	31.70250766	39.447958714891364	-100.6219911	360435.22442421547	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
040	220	162700	50798.8586730335	39.93937	31.70250766	39.4479562543936	-100.6196552	360636.2500326935	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
041	220	162701	51458.8586730335	39.93937	31.70250766	39.4479536877311	-100.6173193	360837.2612322676	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
042	220	162702	52118.8586730335	39.93937	31.70250766	39.4479512802909	-100.6150434	361038.212044469	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
043	220	162703	52778.8586730335	39.93937	31.70250766	39.44794816216183	-100.6126475	361239.207837702	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
044	220	162704	53438.8586730335	39.93937	31.70250766	39.4479380117132	-100.6103116	361440.20309083	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
045	220	162705	54098.8586730335	39.93937	31.70250766	39.4479343505758	-100.6079758	361641.1986009407	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
046	220	162706	54758.8586730335	39.93937	31.70250766	39.447931362061	-100.6056399	361842.1938595924	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
047	220	162707	55418.8586730335	39.93937	31.70250766	39.447926847460415	-100.603304	362043.1983858281	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
048	220	162708	56078.8586730335	39.93937	31.70250766	39.4479230557071	-100.6009681	362244.1837650685	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
049	220	162709	56738.8586730335	39.93937	31.70250766	39.4479198770309	-100.5986983	362445.1837650685	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
050	220	162710	57398.8586730335	39.93937	31.70250766	39.44791577740554	-100.5962963	362646.1735650685	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
051	220	162711	58058.8586730335	39.93937	31.70250766	39.44791133075765	-100.5939604	362847.168172726	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
052	220	162712	58718.8586730335	39.93937	31.70250766	39.4479073881134	-100.5916245	363048.16256364	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
053	220	162713	59378.8586730335	39.93937	31.70250766	39.4479033711195	-100.5892897	363249.15657222	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
054	220	162714	60038.8586730335	39.93937	31.70250766	39.44789927	-100.5869828	363450.1511574994	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
055	220	162715	60698.8586730335	39.93937	31.70250766	39.4478956214389	-100.5846198	363651.145284036	4367687.98414648	2896.740510001417	2718.179346839554	2718.651027699914	68.908192801154
056	220	162716	61358.8586730335	39.93937	31.70250766	39.44789192	-100.582281	363852.1391641387	4367687.98414648	2896.74051000			

ix	iy	X	Y	Y.R	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SurfElev.f	SatHtBoth.f
730	120	162793	11278.85867307335	936937.3170250766	39.44743413549042	-100.4024817	379328.2949023102	4367369.178598309	2773.908854927174	2572.291804898546	2517.6834068380153	2516.39888908015843	54.60839751253028	55.982942196791345
734	220	162794	112838.85867307335	936937.3170250766	39.44742644344862	-100.4005419	379529.2750212682	4367365.200881633	2772.224942470205	2571.1689018242676	2517.0536585836996	2515.914682767878	54.02965240716301	55.98639738939565
736	220	162795	113498.85867307335	936937.3170250766	39.44741970628995	-100.397747	379620.3646512711	4373681.223468691	2768.984158110493	2569.87345813247	2515.1458234268613	2514.1598989893246	54.5592213269387	55.71371862392251
736	220	162796	114586.85867307335	936937.3170250766	39.44741190	-100.394112	379691.245754535256	4367357.2465358725	2767.1947291478005	2568.694421900554	2513.841189624041	2511.8254623172714	55.20236227617501	55.62496371
737	220	162797	114818.85867307335	936937.3170250766	39.44740306586256	-100.3930753	380132.2315692322	4367353.2953517655	2767.1947291478005	2567.415894638606	2511.0601323266365	2509.9281341000724	57.48945536378824	57.48945536378824
738	220	162798	115478.85867307335	936937.3170250766	39.44739524050072	-100.3907395	380333.21544956745	4367349.2628151	2766.1781656801	2509.742418240652	2507.366283850974	56.34636148149106	58.3163947892173	58.3163947892173
739	220	162799	116138.85867307335	936937.3170250766	39.44738733063285	-100.3884036	380534.1992158306	4367341.31950758	2759.3211789419174	2564.933052882387	2507.4624941508468	2505.037251608764	57.0459713730088	59.8958017236008
740	220	162800	116758.85867307335	936937.3170250766	39.44737934361836	-100.3860768	380573.1826891349	4367341.31950758	2759.3211789419174	2564.933052882387	2507.4624941508468	2505.037251608764	57.0459713730088	59.8958017236008
1	221	162801	120781.1413	937597.3170250766	39.44727213	-102.112318	322167.5720849612	4370537.2027340333	3948.7110985805	3715.5104564686	3642.116389779925	3642.15558589927	73.46853724705835	73.46853724705835
2	221	162802	120781.1413	937597.3170250766	39.44727947	-102.1099061	322368.7005782573	4370533.07834677	3948.7110985805	3714.296127802103	3640.456903390244	3640.72762	73.84012454196636	73.5585075025039
3	221	162803	120781.1413	937597.3170250766	39.4472276	-102.1075706	322689.8237877824	4370535.43	3950.447102123855	3713.078850248953	3639.883138179508	3713.95468478924	72.99762017831245	72.99762017831245
4	221	162804	120781.1413	937597.3170250766	39.447280011837	-102.1052351	322770.946635552	4370524.81689974	3948.96121556328	3711.860509168134	3639.1172030462626	3712.7430612189078	72.6769187833094	72.6769187833094
5	221	162805	120781.1413	937597.3170250766	39.447320418934	-102.1028996	323972.0691983602	4370541.68684193	3949.525131106704	3710.61537933762	3637.641687	3637.658393958162	72.9985115681193	72.9985115681193
6	221	162806	120781.1413	937597.3170250766	39.4473893014909	-102.1056411	331373.19150840113	4370516.560374874	3948.064104490136	3710.9159463105	3635.70753639821	3635.70753639821	73.03452938711	73.03452938711
7	221	162807	120781.1413	937597.3170250766	39.44739420799752	-102.098228	333374.3153388247	4370512.43	3948.064104490136	3708.201434002503	3633.505415240618	3633.47432109849	74.6960187168734	74.6960187168734
8	221	162808	120781.1413	937597.3170250766	39.44739420799752	-102.095883	333575.4335350117	4370508.304095844	3947.730584601	3706.979405646167	3631.42327871023	3631.364188	75.5516211935923	75.5516211935923
9	221	162809	120781.1413	937597.3170250766	39.44739420799752	-102.093575	333775.58585199267	4370504.17740321	3946.904811296713	3705.7618011839	3629.90336665208	3628.928325563967	75.84684432184804	75.84684432184804
10	221	162810	120781.1413	937597.3170250766	39.44739582374654	-102.091222	333977.67810503294	4370505.250523925	3946.2593056578	3704.53438582875	3628.731450211628	3628.788432189325	75.84684432184804	75.84684432184804
11	221	162811	120781.1413	937597.3170250766	39.44739582374654	-102.088885	334178.79904337745	4370495.92324768	3944.07502509558	3703.309380544323	3627.591470509504	3627.68564552317	75.7188033830174	75.7188033830174
12	221	162812	120781.1413	937597.3170250766	39.44739582374654	-102.086551	334379.9182011322	4370491.79644763	3944.07502509558	3702.08567896445	3626.401335474254	3626.52283909108	75.6843434919067	75.6843434919067
13	221	162813	120781.1413	937597.3170250766	39.44739582374654	-102.084215	334581.040225657	4370487.68959894	3938.80893996236	3700.86141110693	3625.118902883927	3625.2537632945	75.7425087909071	75.7425087909071
14	221	162814	120781.1413	937597.3170250766	39.44739582374654	-102.081879	334726.1604818753	4370483.54430899	3933.17751456526	3699.36813839133	3623.62553996523	3623.7625584296	75.7188033830174	75.7188033830174
15	221	162815	120781.1413	937597.3170250766	39.44739582374654	-102.079543	334869.2652272837	4370479.68681196	3931.73478417	3697.2050271528	3622.0832167213	3622.184281791265	75.7188033830174	75.7188033830174
16	221	162816	120781.1413	937597.3170250766	39.44739582374654	-102.077209	335184.004003512	4370475.29134783	3923.033515424797	3697.14750341195	3619.7114854911642	3619.7114854911642	75.7188033830174	75.7188033830174
17	221	162817	120781.1413	937597.3170250766	39.44739582374654	-102.0748734	335385.5190523512	4370471.165569741	3917.481724778483	3695.36030318335	3617.50903395186	3617.842107167346	75.7188033830174	75.7188033830174
18	221	162818	120781.1413	937597.3170250766	39.44739582374654	-102.0725378	335586.6385217107	4370467.04003561	3911.93008081	3694.738078214826	3615.508042005588	3615.834704023146	75.7188033830174	75.7188033830174
19	221	162819	120781.1413	937597.3170250766	39.44739582374654	-102.0702023	335787.7575300362	4370462.91472013	3906.855279887783	3693.513582	3613.40469697476	3613.784512158366	75.7188033830174	75.7188033830174
20	221	162820	120781.1413	937597.3170250766	39.44739582374654	-102.067863	335988.916783745	4370458.7995557	3902.25729920283	3692.28113630871	3611.313284570076	3611.7109664442714	75.7188033830174	75.7188033830174
21	221	162821	120781.1413	937597.3170250766	39.44739582374654	-102.065513	336188.952722837	4370454.68681196	3897.65818916927	3691.04821674862	3609.318281791265	3609.318281791265	75.7188033830174	75.7188033830174
22	221	162822	120781.1413	937597.3170250766	39.44739582374654	-102.063187	336390.0329110015	4370450.39873874	3893.061339210015	3689.6303022943	3607.7811682877	3607.7811682877	75.7188033830174	75.7188033830174
23	221	162823	120781.1413	937597.3170250766	39.44739582374654	-102.060802	336592.2304695686	4370446.51487425	3889.06432470564	3688.6041036637	3605.190714385297	3605.03819621455	75.7188033830174	75.7188033830174
24	221	162824	120781.1413	937597.3170250766	39.44739582374654	-102.058427	336793.3480494414	4370441.29188702	3885.66982765054	3687.379221055973	3603.211070439225	3603.369858253845	75.7188033830174	75.7188033830174
25	221	162825	120781.1413	937597.3170250766	39.44739582374654	-102.056189	336994.4654	4370438.16710975	3882.274871263128	3686.155221045558	3601.238886824842	3601.59439018766	75.7188033830174	75.7188033830174
26	221	162826	120781.1413	937597.3170250766	39.44739582374654	-102.053836	337195.5246254515	4370434.0432001	3878.87988180123	3684.3313025394	3599.160579238377	3600.3874246755736	75.7188033830174	75.7188033830174
27	221	162827	120781.1413	937597.3170250766	39.44739582374654	-102.051518	337396.6922318094	4370429.9159311	3875.8566584916	3683.708612130645	3597.078896191196	3598.824661352457	75.7188033830174	75.7188033830174
28	221	162828	120781.1413	937597.3170250766	39.44739582374654	-102.049185	337597.861790427	4370425.79	3873.2050271528	3682.0832167213	3595.90497148026	3595.90497148026	75.7188033830174	75.7188033830174
29	221	162829	120781.1413	937597.3170250766	39.44739582374654	-102.046819	337788.9302775084	4370421.67882521	3871.046448888	3681.2505018704283	3592.5778606117064	3592.5778606117064	75.7188033830174	75.7188033830174
30	221	162830	120781.1413	937597.3170250766	39.44739582374654	-102.0445114	338000.0405519066	4370417.54985102	3867.022904631246	3680.0170661996276	3589.98862451765	3589.98862451765	75.7188033830174	75.7188033830174
31	221	162831	120781.1413	937597.3170250766	39.44739582374654	-102.0421759	338201.16391299622	4370413.40270513	3865.661646129546	3678.77888075355	3587.229908	3587.229908	75.7188033830174	75.7188033830174
32	221	162832	120781.1413	937597.3170250766	39.44739582374654	-102.0398403	338402.2794114138	4370409.30413041	3863.84968849613	3677.535871820315	3584.630600204025	3584.630600204025	75.7188033830174	75.7188033830174
33	221	162833	120781.1413	937597.3170250766	39.44739582374654	-102.0375048	338603.3964502614	4370405.182003941	3862.031773240542	3676.287888180547	3582.1282060123954	3582.1282060123954	75.7188033830174	75.7188033830174
34	221	162834	120781.1413	937597.3170250766	39.44739582374654	-102.035181	338804.5096305292	4370401.05980795	3860.2138574142015	3675.03357714793	3579.783826	3579.783826	75.7188033830174	75.7188033830174
35	221	162835	120781.1413	937597.3170250766	39.44739582374654	-102.032863	339005.624790926	4370397.181864	3858.184281791265	3674.148281791265	3578.184281791265	3578.184281791265	75.7188033830174	75.7188033830174
36	221	162836	120781.1413	937597.3170250766	39.44739582374654	-102.030549	339206.7389105565	4370392.81630939	3856.20460366666	3672.507171397524	3576.981655561196	3576.981655561196	75.7188033830174	75.7188033830174
37	221	162837	120781.1413	937597.3170250766	39.447395823									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SatThKlogs.ft	SatThBoth.ft
119	121	16219	-23061.1413	937597.3170250766	39.44455041085277	-101.836642	158658.35831715394	4370051.436410789	3708.318137275606	3505.499652408986	3416.788098597467	3426.056105806677	3317.31155345115174	124.44354624230891
120	121	16220	-29240.1413	937597.3170250766	39.44547042383707	-101.834304	256069.4517932553	4370047.321643402	3705.924165	3548.749778619193	3414.794353810019	3424.014667119883	3319.95332471891904	124.7351141993362
121	121	16221	-29781.1413	937597.3170250766	39.445480381705185	-101.831670	263630.549263264	4370043.228130522	3703.530181455545	3546.966725287117	3410.0368147433	3426.341743	3319.90294251157154	124.68193577468186
122	121	16222	-29108.1413	937597.3170250766	39.44530144557046	-101.829635	265501.63802237844	4370039.124300940	3701.136231420028	3545.2402363255176	3411.6300762340515	3427.676362119065	3317.617599109661	117.55657400463241
123	121	16223	-29042.1413	937597.3170250766	39.44535102026254	-101.827293	256702.3707586944	4370035.02680412	3698.484471592153	3543.4686486961677	3409.32129947712	3426.378732279078	3314.1625569745562	116.08868324206699
124	121	16224	-28961.1413	937597.3170250766	39.44530060461192	-101.824937	256903.8232867365	4370030.17273396	3695.574902351153	3541.726610424183	3406.958681650188	3427.326170879667	3314.7689703922345	115.58930934545157
125	121	16225	-28910.1413	937597.3170250766	39.44546891201482	-101.822628	257104.951644075	4370028.81407197	3692.66536811016	3539.960744277478	3404.906614733604	3428.468041062934	3315.051285241718	114.9994041718479
126	121	16226	-28844.1413	937597.3170250766	39.44589954301313	-101.820293	257306.0075940523	4370022.11770408	3698.186811636916	3538.18660849643	3402.8552715629262	3420.46082412358582	3314.75830305688	129.9817613781479
127	121	16227	-28781.1413	937597.3170250766	39.44589954147142	-101.817658	257507.0989862624	4370018.50282924	3693.639219891493	3540.406133779384	3400.465735665523	3424.872937104152	3315.8429837104152	148.5274760887844
128	121	16228	-28712.1413	937597.3170250766	39.44542893525202	-101.815629	257708.190938959	4370014.50571053	3688.254718824556	3534.620130007055	3397.25830007055	3427.115990869414	3316.334895	164.5047177106447
129	121	16229	-28646.1413	937597.3170250766	39.44564851046213	-101.813852	257909.28928253896	4370010.434366434	3683.851797558432	3532.829512132126	3396.0508085133574	3384.1609017809593	3316.787036167676	184.68801351353092
130	121	16230	-28580.1413	937597.3170250766	39.44568072282686	-101.810946	258110.3733	4370006.301186214	3683.458569606262	3531.04389724343	3394.028412	3336.47793464762	3317.0064856964262	194.55690525789064
131	121	16231	-28514.1413	937597.3170250766	39.44568758898644	-101.8086139	258311.641623963	4370002.1296367	3679.473857850676	3529.23105016412	3392.335233538343	3351.469517732327	3316.7487644400812	147.75876474400812
132	121	16232	-28481.1413	937597.3170250766	39.4457076057399	-101.8062782	258512.545798254	4369998.07490899	3672.884812433986	3527.47033461099	3391.345143114818	3367.399709955105	3316.09189134628105	160.0372134628105
133	121	16233	-28382.1413	937597.3170250766	39.445726467044874	-101.803928	258713.6451177257	4369993.99565771	3668.303385	3525.632904172672	3390.594597355574	3381.047626	3315.0428330616282	144.58746441339474
134	121	16234	-28316.1413	937597.3170250766	39.4457458833696	-101.801608	258914.7332372045	4369989.90432906	3659.71848024862	3523.82450380247	3390.1234002244598	3391.8934847711753	3317.70050085771	131.70050085771
135	121	16235	-28250.1413	937597.3170250766	39.44576520463593	-101.799271	259115.822184666	4369985.793510564	3663.69336	3522.02909874746	3389.988788647067	3417.76194498948	3312.040310100872	126.12619142194818
136	121	16236	-28184.1413	937597.3170250766	39.4457844957641	-101.7969354	259316.91476171976	4369981.693	3647.976947774472	3520.2475693849	3390.438784336253	3408.082145815724	3312.78598116022357	112.142571121172623
137	121	16237	-28118.1413	937597.3170250766	39.44580374176011	-101.794597	259518.04076116823	4369977.592	3642.344559810743	3518.42902590497	3391.4146793928303	3400.836575350805	3312.00681086621944	117.58491309896461
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139	121	16239	-27986.1413	937597.3170250766	39.4458420841961	-101.7899283	259920.1826547405	4369969.391120231	3633.260519381459	3514.826441662239	3388.575001713285	3388.575001713285	3312.25039394895406	116.97631372144451
140	121	16240	-27920.1413	937597.3170250766	39.44586120096994	-101.787626	260121.2709587437	4369965.291043046	3631.989602415066	3513.039627815039	3384.163769177563	3407.2523781321997	3312.872676054546	105.7666586053121
141	121	16241	-27861.1413	937597.3170250766	39.44587972036452	-101.7854827	260236.4987707705	4369961.38378161	3629.753406241074	3509.421851574213	3384.39302852553	3376.9831942159197	3312.02167193957	112.4587735640335
142	121	16242	-27788.1413	937597.3170250766	39.44589920551212	-101.783212	260523.44763454414	4369957.05145699	3629.44776642828	3509.491663805841	3376.08864872888	3406.1002576670033	3312.026983295317	103.3907381357621
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145	121	16245	-27590.1413	937597.3170250766	39.44596605580102	-101.7759141	261126.710744822	4369944.78378779	3619.4273193650345	3504.261354467663	3365.3301796171972	3407.407815	3312.18391718	96.79035960616636
146	121	16246	-27524.1413	937597.3170250766	39.44597493	-101.7735784	261327.7981489534	4369940.695	3615.673323	3502.5457045229255	3362.232619341077	3426.123366	3312.41308518184624	76.42233871406552
147	121	16247	-27468.1413	937597.3170250766	39.44598372036452	-101.7714227	261528.8851876335	4369936.393378161	3612.966922	3501.260158713288	3359.892698756739	3411.848338098888	3312.41848338098888	64.42587735640335
148	121	16248	-27392.1413	937597.3170250766	39.44597170080916	-101.769707	261729.19906159	4369932.49727252	3609.13081627685	3499.707143715122	3356.4065963270335	3456.592293824857	3312.4891051110333	33.45277039700712
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151	121	16251	-27194.1413	937597.3170250766	39.44606844852651	-101.7618999	262333.2308919727	4369920.204	3606.102858	3494.208055899223	3351.3671394694584	3442.005835453304	3312.484176612046394	25.2030670459199
152	121	16252	-27128.1413	937597.3170250766	39.44608710777374	-101.7595642	262534.3168257265	4369916.106367267	3603.986374390565	3492.5940737727215	3349.865944823396	3441.2269581083444	3312.728379233946	77.3271216438705
153	121	16253	-27062.1413	937597.3170250766	39.446105541930558	-101.757228	262730.4024805257	4369912.00886253	3601.86990470141	3490.987407897596	3348.144896907474	3393.1159529706102	3312.8529704750482	97.87819710818484
154	121	16254	-26996.1413	937597.3170250766	39.44612402091597	-101.7548827	262936.4987707705	4369907.15183591	3599.753406241074	3489.421851574213	3346.39302852553	3376.9831942159197	3312.02167193957	112.4587735640335
155	121	16255	-26930.1413	937597.3170250766	39.44614245481094	-101.752557	263137.05332269	4369903.81835859	3598.397702426277	3487.870947307395	3345.1220569074894	3365.070839960522	3312.82638099027321	122.82638099027321
156	121	16256	-26864.1413	937597.3170250766	39.44616084	-101.7502213	263338.651648125	4369899.78	3600.0808425325	3486.3542584681686	3343.424716950659	3395.3940905822	3312.920547130991	134.94984940234372
157	121	16257	-26798.1413	937597.3170250766	39.44617961724831	-101.7478856	263539.742654051	4369894.621602063	3602.8044880153503	3482.816827885517	3343.897310956175	3422.0798012893158	3312.940743158766	140.94743158766
158	121	16258	-26732.1413	937597.3170250766	39.44619748579071	-101.7455499	263740.8271	4369891.52523589	3600.68052402319	3481.934630623323	3341.8349202399543	3338.791084264886	3314.5348702732780	141.5348702732780
159	121	16259	-26666.1413	937597.3170250766	39.44621573921549	-101.7432142	263941.913382676	4369887.24733587	3605.574072426277	3481.934630623323	3342.6195115139258	3338.791084264886	3314.5348702732780	141.5348702732780
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161	121	16261	-26534.1413	937597.3170250766	39.446252167281928	-101.738578	264306.4987707705	4369879.15183591	3605.753406241074	3480.987407897596	3342.130337517496	3338.791084264886	3314.5348702732780	141.5348702732780
162	121	16262	-26468.1413	937597.3170250766	39.4462702879288	-101.736207	264545.1627186738	4369875.102403924	3613.161582496935	3477.6371443752478	3340.1903709743263	3332.640787	3315.156173409215	153.936513409215
163	121	16263	-26402.1413	9375										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevKgr.ft	BR/ElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
245	221	163045	-209901.1413	937597.3170250766	39.44761675	-101.5423281	281.6234.30493431	4399535.940726552	354.78079505078854	335.075478890717	3223.393723967202	3222.4835244324595	132.68202492350883	133.5922244825117
246	221	163046	-209241.1413	937597.3170250766	39.44763103727958	-101.5400023	281.6325.366522986	4399531.862724896	354.7804384252232	321.7360395729524	3219.574311318622	321.559017226266057	134.72076542626368	134.72076542626368
247	221	163047	-208681.1413	937597.3170250766	39.44763682628675	-101.5376661	281.6364.45449661	4399532.22271327	353.92777488947489	335.075438606127	3221.011904581757	321.48407769523286	134.0762537923253	134.0762537923253
248	221	163048	-207921.1413	937597.3170250766	39.44765959045783	-101.5353307	281.6371.4984271617	4399537.702721116	351.144153118522	335.07235441680125	3219.453396180376	321.107343835751	133.67743835751	133.67743835751
249	221	163049	-207261.1413	937597.3170250766	39.44767378676638	-101.5329949	282.038.2651575693	4399519.625968983	350.8252621769515	334.832659644566	3218.201647502749	321.5699691799183	133.73161846174662	133.73161846174662
250	221	163050	-206601.1413	937597.3170250766	39.447687940345426	-101.5306591	282.239.6263741891	4399515.652694948	350.4097212353763	334.71400771405033	3216.798329854459	3214.2580255939049	132.7412732860442	132.7412732860442
251	221	163051	-205941.1413	937597.3170250766	39.44770203682221	-101.5283232	282.440.0601826376	4399511.475649197	350.39441351167506	334.3438458421363	3215.4309964383456	3219.902649758175	132.902649758175	132.902649758175
252	221	163052	-205281.1413	937597.3170250766	39.44771609416942	-101.5259874	282.641.7534818615	4399507.398856524	350.879703303533	334.548515884127	3213.730523501616	321.15579384174393	132.91599232396547	131.98857746668773
253	221	163053	-204621.1413	937597.3170250766	39.44773019369161	-101.5236166	282.842.8166443163	4399503.22271327	351.36498998949	334.17489252794904	3212.6511620716939	3219.082145336824	132.982145336824	132.982145336824
254	221	163054	-203961.1413	937597.3170250766	39.44774407350223	-101.5213158	283.043.879663383	4399499.25493931	351.8502525934628	333.99459527	3211.226007117377	3208.74971188075	132.823392341123	131.9625052454077
255	221	163055	-203301.1413	937597.3170250766	39.44775795487976	-101.51898	283.244.94255092	4399495.19732313	351.2542465934063	333.811757420548	3209.509763037553	3208.74971188075	132.823392341123	131.9625052454077
256	221	163056	-202641.1413	937597.3170250766	39.4477718725302	-101.5166441	283.446.0053046977	4399491.093760484	350.6974232022923	333.617136371304	3207.893063833905	3206.496960363366	132.4366524353995	130.824503079385
257	221	163057	-201981.1413	937597.3170250766	39.44778570409484	-101.5143083	283.647.0673271776	4399487.018005097	350.6104243093025	333.54710774991525	3206.412589950555	3205.954077265024	128.10449153895736	128.10449153895736
258	221	163058	-201321.1413	937597.3170250766	39.44779940721295	-101.5119725	283.848.1295240466	4399482.94257413	350.50243471417475	333.4086153551397	3204.9898313178765	3203.470143637757	127.70874037762329	128.0337409136222
259	221	163059	-200661.1413	937597.3170250766	39.4478132222444	-101.5096367	284.049.174948654	4399478.767116514	350.3877958896964	333.28771751995524	3203.4481284876747	3202.4390514813845	127.4240047171267	128.3812718296197
260	221	163060	-200001.1413	937597.3170250766	39.44782692690894	-101.5073009	284.250.2530277247	4399474.79188304	350.472864661392	332.9305175231484	3202.34658798479	3197.2428342637777	126.7017512465756	131.0188096770873
261	221	163061	-199341.1413	937597.3170250766	39.44784057986865	-101.504965	284.451.347145808	4399470.71075804	350.4983480426274	332.722931334588	3201.7176081803185	3196.426575520231	125.516136556594	130.7663784363689
262	221	163062	-198681.1413	937597.3170250766	39.44785418600905	-101.5026292	284.652.37601429335	4399466.42339508	350.495496796	332.5054001683357	3200.893874359583	3196.281771853046	124.5090127327741	125.5090127327741
263	221	163063	-198021.1413	937597.3170250766	39.447867740720991	-101.5002934	284.853.43710211525	4399458.79282808	349.3143117477946	332.3583041617753	3200.035631469156	3194.624514	123.5428612689597	126.9504919935524
264	221	163064	-197361.1413	937597.3170250766	39.44788126292398	-101.4979576	285.054.4979782537	4399454.9325097	349.278776623443	332.176380814534	3199.2302776459915	3193.719888141885	122.5361031685427	126.0446267284913
265	221	163065	-196701.1413	937597.3170250766	39.44789473	-101.4956217	285.255.55862914	4399454.4192864	348.144572674231	331.91954252349416	3198.47765705984	3195.605382516039	122.4848937395737	123.3037227724033
266	221	163066	-196041.1413	937597.3170250766	39.44790815935681	-101.4932629	285.456.619096297	4399450.54540206	348.150112651398	331.848220948986	3197.4556419645003	3195.584172709317	122.6935769233624	122.6935769233624
267	221	163067	-195381.1413	937597.3170250766	39.44792130369215	-101.4909381	285.658.63861463	4399446.3797275833	348.15737972700874	331.7389727200874	3196.437198219682	3195.437198219682	122.6935769233624	122.6935769233624
268	221	163068	-194721.1413	937597.3170250766	39.44793457518765	-101.4886142	285.858.739370702	4399442.19834774	348.078435408581	331.569756447582	3195.170538112847	3190.930474344437	119.399273348349	122.62520031095
269	221	163069	-194061.1413	937597.3170250766	39.44794816561389	-101.4862784	286.059.791906884	4399438.125118089	347.876095932328	331.37692551216066	3193.810715534524	3187.976183084076	118.9678395870236	122.8330731
270	221	163070	-193401.1413	937597.3170250766	39.447961410738054	-101.4839426	286.260.8588012174	4399434.05205743	347.4764069	331.0430654995104	3192.0563471146615	3188.308969415525	118.967813851483	122.6620960421786
271	221	163071	-192741.1413	937597.3170250766	39.44797461084126	-101.4816067	286.461.918201319	4399429.9702673	347.2041804	330.938173345825	3189.82999338173	3177.206524070756	132.116129892659	122.116129892659
272	221	163072	-192081.1413	937597.3170250766	39.44798776577304	-101.4792709	286.662.9773913806	4399425.06562048	347.171875881874	330.7949863964249	3187.56552900669	3173.690979233049	120.0293495818024	123.30388473120038
273	221	163073	-191421.1413	937597.3170250766	39.44799875544626	-101.4769831	286.864.036816981	4399421.834124682	346.9485697633345	330.653967275833	3186.167938385291	3180.034836885897	120.0293495818024	123.30388473120038
274	221	163074	-190761.1413	937597.3170250766	39.44801390274734	-101.4745982	287.067.1422420856	4399417.761894832	346.7217550287523	330.4201862716085	3184.7802712701835	3182.787402715993	120.0293495818024	123.30388473120038
275	221	163075	-190101.1413	937597.3170250766	39.44802696984385	-101.4722634	287.266.1537033861	4399413.689871882	346.4823655452304	330.258308238109	3182.55214523946	3180.71760491759	120.0293495818024	123.30388473120038
276	221	163076	-189441.1413	937597.3170250766	39.4480393249183	-101.4699276	287.467.210553445	4399409.61806429	346.3032395467362	330.079537673362	3181.468617994972	3178.5928275060808	119.5078719038877	122.386710728105
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278	221	163078	-188121.1413	937597.3170250766	39.4480657482439	-101.4652559	287.869.321342349	4399401.4507381	345.744324733183	329.7911050386183	3178.9216502038163	3174.9171927084	118.8840070287432	123.30388473120038
279	221	163079	-187461.1413	937597.3170250766	39.44807856989083	-101.46292	288.070.3855797395	4399397.40365377	345.5863040996564	329.6266701512595	3177.8013311874422	3172.3103067	118.4553073278523	123.30388473120038
280	221	163080	-186801.1413	937597.3170250766	39.44809130817227	-101.4606342	288.271.443751191	4399393.33287425	345.427490773116	329.521807738146	3176.7280408466	3176.7280408466	118.4553073278523	123.30388473120038
281	221	163081	-186141.1413	937597.3170250766	39.448103902714395	-101.4582984	288.472.60068407	4399389.26820838	345.287676133628	329.3205782454763	3175.921004173538	3176.300408639127	118.4553073278523	123.30388473120038
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283	221	163083	-184821.1413	937597.3170250766	39.448129349	-101.4535767	288.874.6147	4399381.121510955	344.825103815479	329.026682107726	3172.2994331842398	3176.300408639127	118.4553073278523	123.30388473120038
284	221	163084	-184161.1413	937597.3170250766	39.44814210551334	-101.4512408	289.075.6173638177	4399377.05904447	344.5570140202353	328.795048095477	3171.8601114696013	3176.300408639127	118.4553073278523	123.30388473120038
285	221	163085	-183501.1413	937597.3170250766	39.448154573870235	-101.448905	289.276.72784211603	4399373.921801443	344.33639684981	328.7307722988183	3170.891074937486	3176.300408639127	118.4553073278523	123.30388473120038
286	221	163086	-182841.1413	937597.3170250766	39.448167192108274	-101.446591	289.477.811320783	4399369.31101496	344.116556937907	328.59902868428	3168.153428112533	3176.300408639127	118.4553073278523	123.30388473120038
287	221	163087	-182181.1413	937597.3170250766	39.4481797108274	-101.4442784	289.678.896134765	4399365.70072531	343.91774319844	328.46719841084	3167.0248119841	3176.300408639127	118.4553073278523	123.30388473120038
288	221	163088	-181521.1413	937597.3170250766	39.448192108274	-101.4419874	289.879.896134765	4399361.77435271	343.7709511					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElevKgr.ft	SatHtBoth.ft
371	221	16317	-126741.1413	937597.3170250766	39.44906675130253	-120.2480196	306566.8319686917	4369023.739717122	332.52163110040953	370.7608745595838	3062.4964502624885	3082.3627505435467	3082.2644242970473	88.42412041589804
372	221	16317	-126801.1413	937597.3170250766	39.44907534042227	-120.2456837	306767.811929616	4369019.887760479	3318.93728356811	319.4383258529194	3060.52473060501723	3085.891571631824	3081.947517919307	83.54817138890303
373	221	16317	-126821.1413	937597.3170250766	39.44913462961841	-120.2433478	306901.9102277598	4368991.22682323	3317.268561321364	316.047171468928	3058.763897836966	3084.735887787508	3082.343097743212	83.7474937874821196
374	221	16317	-126741.1413	937597.3170250766	39.44905244007924	-120.2410119	307169.9437530544	4369101.584475514	3314.7792286961576	3166.789441816444	3057.675737492137	3081.767194430636	3091.113704372305	91.62226237330604
375	221	16317	-124101.1413	937597.3170250766	39.44910105144728	-120.238676	307370.9878304508	4369007.533143916	3312.6048361909643	3165.483871134792	3057.1679128821856	3086.9384366777313	3081.31956825260638	95.567442526
376	221	16317	-123441.1413	937597.3170250766	39.44910951367255	-120.2363401	307370.0262987347	4369003.482017963	3313.40350786165274	3164.183207839947	3057.1959932212175	3080.354478897791	3067.78257026721	98.5829813710058
377	221	16317	-122781.1413	937597.3170250766	39.4491179077947	-120.2340042	307373.0645785611	4368999.43100178	3308.065321042105	3162.8735970738023	3057.536713918762	3063.306874422854	3053.3688315412155	99.5675003059812
378	221	16317	-122121.1413	937597.3170250766	39.44912630276054	-120.2316683	307974.1027	4368995.30038281	3307.2955634761031	3161.544683266935	3058.04425	3062.015726072023	310.49934318913308	99.52881112967039
379	221	16317	-121461.1413	937597.3170250766	39.44913462961841	-120.2293242	308175.1497526253	4368991.22682323	3308.6291745386658	3160.191171468928	3058.613543689106	3061.2984660737427	3051.577678494783	98.89165115545622
380	221	16318	-120801.1413	937597.3170250766	39.44914291135306	-120.2269565	308376.172803484	4368987.27583146	3304.669154252831	3158.801153958223	3059.28764488233	3060.785500347678	3059.123339473066	98.0235353084642
381	221	16318	-120141.1413	937597.3170250766	39.44915114796448	-120.2246605	308697.21587138674	4368994.239043038	3303.5013239774123	3157.4017083110953	3058.933822366703	3060.737134621983	3058.768120744298	96.68998485
382	221	16318	-119481.1413	937597.3170250766	39.44915933045265	-120.2223426	308778.2531580187	4368979.17920419	3302.340113696194	3155.97016291016	3059.9606279344225	3060.4544740560965	3059.795351577348	95.51471585409045
383	221	16318	-118821.1413	937597.3170250766	39.44916748581758	-120.2199887	308979.2903114405	4368975.12962416	3301.5621384752694	3154.5162313838167	3059.279596890465	3059.4716853809845	3052.1856451	95.04425845
384	221	16318	-118161.1413	937597.3170250766	39.44917505705921	-120.2176528	309180.32777789	4368971.084051079	3301.721413146404	3155.0340490862625	3057.760829678492	3057.7307962159173	3052.2822194013461	95.31225087370922
385	221	16318	-117501.1413	937597.3170250766	39.44918364317555	-120.2153169	309381.3640573523	4368967.03181843	3298.0299551470113	3151.5514407937862	3055.80272142603	3055.6058281668262	3057.718651180339	95.9456126291579
386	221	16318	-116841.1413	937597.3170250766	39.44919165417258	-120.212981	309592.4007	4368962.92112718	3292.338492963323	3150.040981025804	3053.782743914177	3053.541460942203	3056.2582370843296	96.4995020158355
387	221	16318	-116181.1413	937597.3170250766	39.44919962004429	-120.2106451	309783.4703568573	4368959.83269677	3289.715658795688	3148.5116082420336	3051.867885585267	3051.6202915341484	3056.4372288	96.89131667888253
388	221	16318	-115521.1413	937597.3170250766	39.44920750479268	-120.2083092	309984.4732772109	4368954.86422054	3287.16145557567	3146.86377840474	3050.046816123115	3050.924022285145	3056.9166262165893	97.1347561162695
389	221	16318	-114861.1413	937597.3170250766	39.44921542	-120.2059733	310185.5093	4368946.83180839	3284.670242320568	3145.397988391843	3048.399621461122	3048.212606881969	3056.9698737806229	97.18539195
390	221	16319	-114201.1413	937597.3170250766	39.44922346921935	-120.2036373	310386.5451601485	4368946.7640264	3283.814813812277	3048.842493851315	3046.777311838096	3056.9951963	3057.034229733709	97.034229733709
391	221	16319	-113541.1413	937597.3170250766	39.4492310292795	-120.2013014	310587.5808231444	4368942.73991759	3279.04193290523	3142.2147977326223	3045.6815910215055	3045.56214684631	3056.203670211679	96.6525089
392	221	16319	-112881.1413	937597.3170250766	39.4492372552484	-120.198955	311294.8561007623	4368935.02955558	3276.5740294182	3140.598374697406	3044.57023776987	3045.464782041525	3056.026370211679	96.10676555
393	221	16319	-112241.1413	937597.3170250766	39.44924329815556	-120.196527	311303.653003009	4368932.04425783	3274.65342826231	3116.42258292627	3043.155292957	3045.433742926165	3056.185273826165	96.18427313073144
394	221	16319	-111561.1413	937597.3170250766	39.44925141769157	-120.194237	311190.867069735	4368930.50770598	3268.638163	3137.319164208497	3042.642152771288	3042.641141339033	3056.170471320888	94.6780469929343
395	221	16319	-110901.1413	937597.3170250766	39.44926172257656	-120.1919578	311391.7216342254	4368925.54986762	3263.812957370393	3135.654	3041.894348462132	3041.8660247821906	3056.7595646672243	93.787956672243
396	221	16319	-110241.1413	937597.3170250766	39.44926928323767	-120.1896218	311592.7563615952	4368922.502870174	3267.7179719571875	3133.972306551995	3041.15711405406	3041.126291	3056.914516703933	92.8462398394939
397	221	16319	-109581.1413	937597.3170250766	39.449276796975326	-120.1872859	311793.7909515491	4368918.048088325	3251.443401572815	3122.2754217483302	3040.5236829881637	3040.4170514756756	3056.91780716652	91.8583072399166
398	221	16319	-108921.1413	937597.3170250766	39.44928426648951	-120.18486	311944.822851004	4368914.40949628	3245.20958374044	3130.563354731215	3039.979455	3039.908381107100	3056.848992047748	90.6544922208091
399	221	16319	-108261.1413	937597.3170250766	39.4492916808181	-120.182627	311956.8047804859	4368910.04425783	3240.65593970279	3116.42258292627	3038.148821029016	3038.9636247265306	3056.848992047748	90.6544922208091
400	221	16320	-107601.1413	937597.3170250766	39.44930997017412	-120.1802782	312094.747675856	4368906.13694089	3240.190180677347	3117.02749396136	3037.81240221799	3038.1235402420226	3056.914516703933	88.744473296031
401	221	16320	-106941.1413	937597.3170250766	39.44931064420905	-120.1779423	312587.92739134555	4368902.271	3238.7370330956208	3125.349893	3037.2897518544667	3037.2875412273438	3056.848992047748	88.09392157
402	221	16320	-106281.1413	937597.3170250766	39.4493136931104	-120.1756063	312798.9609265117	4368905.22254497	3237.365802725728	3123.59138858992	3036.980290209845	3037.0644973940455	3056.848992047748	87.5849806249464
403	221	16320	-105621.1413	937597.3170250766	39.44932093720755	-120.1732704	312999.9944	4368894.17962144	3237.24763419117	3121.825827067692	3034.57928928625	3035.109368815677	3056.848992047748	86.7164852501495
404	221	16320	-104961.1413	937597.3170250766	39.44932813598051	-120.1709345	313201.027647004	4368890.134236083	3238.383697939107	3120.03509231337	3033.975544564717	3033.967771566531	3056.848992047748	86.6863267
405	221	16320	-104301.1413	937597.3170250766	39.44933529	-120.1688986	313402.0607341427	4368886.089	3238.5197479398075	3118.275514884424	3033.29931562834	3033.29931562834	3056.848992047748	85.956711566572
406	221	16320	-103641.1413	937597.3170250766	39.44934239815556	-120.166527	313503.653003009	4368882.04425783	3237.65342826231	3116.42258292627	3033.155292957	3033.155292957	3056.848992047748	85.956711566572
407	221	16320	-102981.1413	937597.3170250766	39.44934968155783	-120.1638267	313804.12635972007	4368877.99952638	3237.671580638166	3114.7126317194593	3032.91364533821	3032.91364533821	3056.848992047748	85.956711566572
408	221	16320	-102321.1413	937597.3170250766	39.44935647983635	-120.1615908	314005.158989281	4368873.950043573	3236.58380959529	3112.926187059525	3032.0942675392136	3032.0942675392136	3056.848992047748	85.956711566572
409	221	16320	-101661.1413	937597.3170250766	39.44936345299124	-120.1592549	314206.1912565959	4368869.01089787	3233.490461127877	3111.33962913217	3032.039693936387	3032.039693936387	3056.848992047748	85.956711566572
410	221	16320	-101001.1413	937597.3170250766	39.44937038102247	-120.156919	314407.2234329539	4368865.86681274	3232.397112695244	3109.3869186962473	3032.018845795736	3032.018845795736	3056.848992047748	85.956711566572
411	221	16321	-100341.1413	937597.3170250766	39.44937726393006	-120.154583	314608.2554	4368861.822878994	3228.406414121691	3107.538529261366	3032.0290868057	3032.0290868057	3056.848992047748	85.956711566572
412	221	16321	-99681.1413	937597.3170250766	39.44938410711399	-120.1522471	314809.2872407411	4368857.79862398	3221.6555267615	3105.7395269887	3031.9402470473436	3031.9402470473436	3056.848992047748	85.956711566572
413	221	16321	-99021.1413	937597.3170250766	39.4493916808181	-120.150000	315000.0000000000	4368853.000000000	3221.6555267615	3105.7395269887	3031.9402470473436	3031.9402470473436	3056.848992047748	85.956711566572
414	221	16321	-98361.1413	937597.3170250766	39.44939749110686	-120.1475733	315211.3032428586	4368847.99204552	3221.6555267615	3105.7395269887	3031.9402470473436	3031.9402470473436	3056.848992047748	85.956711566572
415	221	16321	-97701.1413	937597.3170250766	39.44									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	Sat/Both.kg.f	Sat/Both.ft
49	22	163297	-43581.14133	375957.3170250766	39.44980039	-100.9536923	331896.506183447	43885.14817887409	3089.4016499407626	291.23730431831778	291.12561950908927	291.53403149005647	61.0451481780565	58.76102828321336
498	22	163298	-42921.14133	375957.3170250766	39.44980334221721	-100.9513653	323097.3670526376	43865.1017695174	3087.830760706475	290.734768458708	291.025863952937	291.0394958685872	60.7907449577069	57.83627259324575
499	22	163299	-42261.14133	375957.3170250766	39.44980254200446	-100.9498004	323298.364	43865.0340190622	3088.50340180170878	290.53463160170878	290.94388347869002	291.0394958685872	60.7907449577069	58.76102828321336
500	22	163300	-41601.14133	375957.3170250766	39.449802120159175	-100.9466684	332499.4013	43865.00274302826	3087.422663290124	290.613769879855	2907.96002	290.94388347869002	60.722969734684784	54.96804292
501	22	163301	-40941.14133	375957.3170250766	39.44981194279338	-100.9443485	332700.74178048758	43864.68174956313	3079.340395639533	290.6789648064343	2906.805783119928	290.94388347869002	60.722969734684784	55.19854078374328
502	22	163302	-40281.14133	375957.3170250766	39.44981471940449	-100.9420125	332901.43424897525	43864.681788215	3076.257924759815	290.65376997586685	2904.596674102154	291.4930012131777	60.7804301455035	53.83943649830676
503	22	163303	-39621.14133	375957.3170250766	39.4498174580896	-100.9396766	333102.5404269776	43864.681788215	3071.5888725667461	290.633688345107213	2903.723463719492	291.75840041170213	60.215219937	52.18027943
504	22	163304	-38961.14133	375957.3170250766	39.449820137250335	-100.9373406	333303.4664261115	43864.6816405818	3065.33239876443	290.6247227387222	2902.481731288943	291.7317987789354	60.05849097779105	51.14923369737976
505	22	163305	-38301.14133	375957.3170250766	39.44982277496947	-100.9350407	333504.482296304	43864.6816405818	3060.077697199923	290.605654	2901.117342154195	2908.1613262502237	59.8417011886065	50.7841268049561
506	22	163306	-37641.14133	375957.3170250766	39.44982574598056	-100.9326877	333705.4973967009	43864.67591	3052.821945177018	290.593313219967	2899.371100538964	290.625695635	60.0277217830504	53.1626575893363
507	22	163307	-36981.14133	375957.3170250766	39.4498279556514	-100.9303327	333906.51357136614	43864.74756015093	3047.7155270071	290.577935157446354	2897.5819209111276	290.61586530868213	60.215219937	52.18027943
508	22	163308	-36321.14133	375957.3170250766	39.4498304314766	-100.9279968	334107.528858545	43864.7045	3046.758264660247	290.56142988126685	2895.797860281453	2901.2089217510143	60.3451279125715	54.0864624165428
509	22	163309	-35661.14133	375957.3170250766	39.4498328218565	-100.9256608	334308.540924631	43864.6519346427	3039.801023293211	290.54523678731704	2893.6140829638676	2898.26387631704	60.4382932811322	56.1934985389687
510	22	163310	-35001.14133	375957.3170250766	39.44983530779907	-100.9233249	334509.59130778	43864.6249520213	3035.843739990126	290.52791003511275	2895.1474189608725	2891.378452132175	60.215219937	52.18027943
511	22	163311	-34341.14133	375957.3170250766	39.4498376827879	-100.9208989	334710.574023271	43864.58472	3034.5475342564567	290.5019737040307	2888.759348768723	2891.2762750856537	60.22543553	50.7905933308896
512	22	163312	-33681.14133	375957.3170250766	39.44984003522284	-100.918653	334911.5887471128	43864.544033985	3032.3013815723557	290.4721693323274	2886.618712708193	2888.180413470032	60.22543553	50.7905933308896
513	22	163313	-33021.14133	375957.3170250766	39.4498422389204	-100.916137	335112.60331068287	43864.504263795	3031.258867401443	290.447441627468074	2884.6447336514374	2886.02880159419	61.27966309546636	61.41257658768832
514	22	163314	-32361.14133	375957.3170250766	39.44984451900722	-100.9139811	335313.6173133963	43864.4637607925	3030.2164119079334	290.4253922477958	2883.090315007853	2884.466234246914	61.27966309546636	61.41257658768832
515	22	163315	-31701.14133	375957.3170250766	39.44984678997825	-100.9116451	335514.6193708589	43864.423127009	3031.34480250144	290.403784116412286	2882.1822431136347	2883.534879613473	61.6919883479613473	60.3326181988136
516	22	163316	-31041.14133	375957.3170250766	39.44984885386386	-100.9093902	335715.646043018	43864.384359	3030.4103117667763	290.38402788789826	2881.546715602577	2882.923637338916	61.03651761342556	59.1605151793801
517	22	163317	-30381.14133	375957.3170250766	39.44985169936305	-100.9069732	335916.659938367	43864.343688701	3030.891723283409	290.360514187756	2881.07888853657	2882.78334100109	61.27966309546636	61.41257658768832
518	22	163318	-29721.14133	375957.3170250766	39.4498530822219	-100.9046373	336170.574023271	43864.301504269	3030.5743542564567	290.34054396037	2880.51647130248	2882.480597	61.03651761342556	59.1605151793801
519	22	163319	-29061.14133	375957.3170250766	39.4498549730747	-100.9023571	336374.030195228	43864.258717052	3030.2845734278685	290.3203295851744	2879.2882378190654	2881.473296378190654	61.03651761342556	59.1605151793801
520	22	163320	-28401.14133	375957.3170250766	39.4498569208219	-100.8995654	336519.700774002	43864.221583397	3030.4488011745053	290.3296883316546	2878.21678032221	2880.815235747021	61.03651761342556	59.1605151793801
521	22	163321	-27741.14133	375957.3170250766	39.44985890132527	-100.8972964	336720.7140552124	43864.18596539	3030.3402492874594	290.3203295851744	2878.21678032221	2880.815235747021	61.03651761342556	59.1605151793801
522	22	163322	-27081.14133	375957.3170250766	39.4498607544377	-100.8952394	336921.7219335486	43864.142265491	3029.792487	290.31463584082249	2874.766594850244	2877.650466291389	61.03651761342556	59.1605151793801
523	22	163323	-26421.14133	375957.3170250766	39.44986260443765	-100.8929575	337122.7016033015	43864.100867942	3029.70734271978	2872.5996198817323	2876.91072	2877.650466291389	61.03651761342556	59.1605151793801
524	22	163324	-25761.14133	375957.3170250766	39.4498643830694	-100.8906215	337323.7529744454	43864.0618016587	3029.4713596289374	290.275440059276	2870.3748108144778	2877.3771356018587	61.03651761342556	59.1605151793801
525	22	163325	-25101.14133	375957.3170250766	39.4498661708161	-100.8882856	337524.7656278166	43864.0216755015	3029.2403944886927	290.25479301569165	2867.8799301569165	2874.28212647373	61.03651761342556	59.1605151793801
526	22	163326	-24441.14133	375957.3170250766	39.4498679207769	-100.8859478	337728.77873352	43864.0177	3029.01570175823	290.2414772027893	2867.454772027893	2874.28212647373	61.03651761342556	59.1605151793801
527	22	163327	-23781.14133	375957.3170250766	39.44986948916712	-100.8836137	337926.7905	43863.94127294186	3028.78300340724	290.22496561707016	2867.188599458142	2874.28212647373	61.03651761342556	59.1605151793801
528	22	163328	-23121.14133	375957.3170250766	39.44987107253794	-100.8812777	338127.8026416293	43863.9017439314	3028.64561557334	290.20637349192017	2865.64663472284	2867.8730911760771	61.03651761342556	59.1605151793801
529	22	163329	-22461.14133	375957.3170250766	39.449872630784135	-100.8789418	338328.8146642628	43863.8607838888	3028.490376389337	290.1912914081327	2865.1444166241286	2862.11192	60.276599177604294	57.10984225232299
530	22	163330	-21801.14133	375957.3170250766	39.44987414305724	-100.876058	338529.826309952	43863.8208491106	3028.30711247533	290.17947120309573	2864.9433571394116	2865.1225540546233	61.03651761342556	59.1605151793801
531	22	163331	-21141.14133	375957.3170250766	39.44987561192677	-100.8732698	338730.8336204303	43863.7810351144	3028.163678228086	290.15758418006	2865.443361554654	2865.17915803851	61.03651761342556	59.1605151793801
532	22	163332	-20481.14133	375957.3170250766	39.4498770347747	-100.8704939	338931.849370747	43863.7403195228	3027.94551037	290.13982243478685	2865.203295851744	2864.7282378190654	61.03651761342556	59.1605151793801
533	22	163333	-19821.14133	375957.3170250766	39.44987841252264	-100.8679579	339128.861189399	43863.6940120411	3027.7399941086114	290.12155924212442	2864.4155324787935	2865.8577	61.03651761342556	59.1605151793801
534	22	163334	-19161.14133	375957.3170250766	39.4498794514572	-100.8657262	339332.874295078	43863.65097922313	3027.5325710205257	290.115180485262	2864.49220046206	2865.920755	61.03651761342556	59.1605151793801
535	22	163335	-18501.14133	375957.3170250766	39.4498810326411	-100.864926	339534.8835181983	43863.6134739605	3027.345741020557	290.1067189680801	2864.249647	2865.83481983216	61.03651761342556	59.1605151793801
536	22	163336	-17841.14133	375957.3170250766	39.44988227501787	-100.8625901	339739.894419362	43863.5705620998	3027.16018537114951	290.0918537114951	2863.63478086147	2865.16108193201	61.03651761342556	59.1605151793801
537	22	163337	-17181.14133	375957.3170250766	39.4498834722699	-100.8602541	339936.9052146628	43863.530329654	3026.94514870881	290.072684102649	2863.0574948547	2864.981983216	61.03651761342556	59.1605151793801
538	22	163338	-16521.14133	375957.3170250766	39.44988462391447	-100.8579182	340137.915832005	43863.4905404489	3026.750580280134	290.054169080408	2862.459564332168	2864.1788486465	61.03651761342556	59.1605151793801
539	22	163339	-15861.14133	375957.3170250766	39.44988591383125	-100.855638	340342.9196804	43863.45028175393	3026.564928175393	290.03717539393	2862.268417539393	2864.1788486465	61.03651761342556	59.1605151793801
540	22	163340	-15201.14133	375957.3170250766	39.4498873165447	-100.8532402	340539.9360013554	43863.410550761	3026.330326	290.01994907010703	2861.90192475495	2863.05319219235	61.03651761342556	59.1605151793801
541	22	163341	-14541.14133	375957.3170250766	39.44988870101695	-100.8509103	34							

ix	iy	X.Yt	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatThKgr.f	SatThBoth.f
621	221	163423	39578.8586730335	37.95797	31.70250766	39.44981743243055	-00.6593619	357223.2723385589	4386809.158294399	2873.426458818474	2702.161833496415	58.1208632039796	53.56331404903935
624	221	163424	40238.8586730335	37.95797	31.70250766	39.44981489574874	-00.6570259	357424.2703603392	4386805.1581278104	2871.373507	2673.765061160737	58.1208632039796	52.67758353789575
625	221	163425	40898.8586730335	37.95797	31.70250766	39.44981122202964	-00.65468	357625.2682457895	4386801.158116781087	2869.323845745668	2697.2067611988077	58.1208632039796	54.58913545183634
626	221	163426	41558.8586730335	37.95797	31.70250766	39.44981303186605	-00.652354	357826.2659393212	4386799.1581040804	2867.266043432912	2749.822658400613	58.1208632039796	56.9332087339061
627	221	163427	42218.8586730335	37.95797	31.70250766	39.44980639218745	-00.6500181	358027.2636303747	4386793.158588427	2864.130160953607	2747.841219991384	58.1208632039796	58.93686540711117
628	221	163428	42878.8586730335	37.95797	31.70250766	39.44980433012678	-00.6476821	358228.26177726037	4386789.1585104365	2859.280545471905	2745.85526968919	58.1208632039796	60.8542211848251
629	221	163429	43538.8586730335	37.95797	31.70250766	39.449805790962	-00.6453462	358429.2584140748	4386785.1063668295	2855.6862894395	2743.867844941591	58.1208632039796	62.8630950862485
630	221	163430	44198.8586730335	37.95797	31.70250766	39.449797565682	-00.6430102	358630.2571431144	4386781.161	2851.46344440798	2741.87733068407	2683.8095149290714	58.0925861476929
631	221	163431	44898.8586730335	37.95797	31.70250766	39.44979452100965	-00.640674	358831.25277854013	4386777.10358591	2847.912924774562	2739.8897288763244	2684.61773814222	58.0837819589367
632	221	163432	45518.8586730335	37.95797	31.70250766	39.449791442510715	-00.6383383	359032.2497028426	4386773.161420228	2845.311020935429	2737.8573716524	2683.878100614126	58.070295521156
633	221	163433	46178.8586730335	37.95797	31.70250766	39.4497883079594	-00.6360024	359233.246498347	4386769.15834062	2842.682690303462	2735.905307	2681.641374161859	58.05826547997057
634	221	163434	46838.8586730335	37.95797	31.70250766	39.44978512795672	-00.6336664	359434.24315473536	4386765.161772234	2840.1545220270326	2733.91268958331	2678.58343037258	58.05274653107319
635	221	163435	47498.8586730335	37.95797	31.70250766	39.449781929304	-00.6313305	359635.2367655416	4386761.169794735	2836.2561622772746	2680.1662951223284	2678.6521923755267	58.0473992180674
636	221	163436	48158.8586730335	37.95797	31.70250766	39.44977863	-00.6289945	359836.230613064	4386757.17208155	2832.28996320014	2729.929666292008	2677.023919549637	58.04073674097054
637	221	163437	48818.8586730335	37.95797	31.70250766	39.44977537692314	-00.6266586	360037.23231130396	4386753.17522688	2829.362889677053	2727.940574326358	2668.897916915756	58.0378252379938
638	221	163438	49478.8586730335	37.95797	31.70250766	39.44977195735528	-00.6243226	360238.2284276457	4386749.17726112	2825.458707963093	2725.95427284218	2666.142340431128	58.0373590411006
639	221	163439	50138.8586730335	37.95797	31.70250766	39.4497685189383	-00.6219867	360439.224408738	4386745.18017681	2822.6477419321	2723.97177870235	2663.889079030875	58.03745323153976
640	221	163440	50798.8586730335	37.95797	31.70250766	39.44976511037946	-00.6196507	360640.2250253875	4386741.183271864	2819.86835987644706	2721.9932784568164	2661.7240754056753	58.0369727737363
641	221	163441	51458.8586730335	37.95797	31.70250766	39.4497616055974	-00.6173148	360841.215667798	4386737.18680153	2817.024233336204	2720.01972548085	2659.8361446552764	58.0367789223724
642	221	163442	52118.8586730335	37.95797	31.70250766	39.44975806476294	-00.6149788	361042.21156417844	4386733.19020712	2814.662548	2718.0569729551116	2658.4728140012735	58.036585938362
643	221	163443	52778.8586730335	37.95797	31.70250766	39.44975454	-00.6126429	361243.204990306	4386729.19309564	2812.13263483073	2716.100085871633	2657.4045725463875	58.036481498461084
644	221	163444	53438.8586730335	37.95797	31.70250766	39.4497508472025	-00.6103068	361444.2002016596	4386725.19730358	2808.72664129419	2714.152749056339	2656.122962238276	58.0363951297947
645	221	163445	54098.8586730335	37.95797	31.70250766	39.44974717151221	-00.6079731	361645.200389625	4386721.1935891	2806.389817315687	2712.215235105156	2654.944289134827	58.036302373175
646	221	163446	54758.8586730335	37.95797	31.70250766	39.44974350180044	-00.605635	361846.192523476	4386717.20165427	2804.571448271851	2710.200382781627	2653.1915702196748	58.03621522061344
647	221	163447	55418.8586730335	37.95797	31.70250766	39.44973968372335	-00.6032991	362047.18734376795	4386713.217019184	2802.871871285635	2708.3796345744837	2651.369307444837	58.0361303503940
648	221	163448	56078.8586730335	37.95797	31.70250766	39.44973587	-00.6009632	362248.1822136151	4386709.21545716	2800.1530770563324	2706.438824793414	2650.08329839296	58.03604590405636
649	221	163449	56738.8586730335	37.95797	31.70250766	39.44973215436894	-00.5986272	362449.176891588	4386705.23499334	2803.44336605958	2704.63336605958	2648.832878501801	58.0359728690578
650	221	163450	57398.8586730335	37.95797	31.70250766	39.44972811360711	-00.5962913	362650.1713726657	4386701.225545704	2801.735588069328	2702.738445557626	2646.459404940882	58.035893157894227
651	221	163451	58058.8586730335	37.95797	31.70250766	39.44972446652968	-00.5939626	362851.2273398825	4386697.23878428	2800.02891715568	2700.889817315687	2645.843781942658	58.0358032784242
652	221	163452	58718.8586730335	37.95797	31.70250766	39.4497207457455	-00.5916714	363052.160033285	4386693.23451001	2798.3245915817853	2699.040373384517	2644.952178633415	58.0357120890345
653	221	163453	59378.8586730335	37.95797	31.70250766	39.449716137371695	-00.5893284	363253.1541089473	4386689.242209906	2796.274013285005	2697.328104856226	2638.38205258373	58.03562897814556
654	221	163454	60038.8586730335	37.95797	31.70250766	39.4497120550458	-00.5869475	363454.1481068919	4386685.248127972	2794.230813697296	2695.4349903672476	2636.482963620946	58.03554292373304
655	221	163455	60698.8586730335	37.95797	31.70250766	39.449707529313	-00.5846115	363655.141961524	4386681.254	2792.0653781805144	2693.46478034073	2634.043790822248	58.0354672369649
656	221	163456	61358.8586730335	37.95797	31.70250766	39.4497037501377	-00.5822756	363856.135684987	4386677.761	2790.038274590863	2691.4837177583143	2632.508682836132	58.035387175836035
657	221	163457	62018.8586730335	37.95797	31.70250766	39.44969953713715	-00.5799396	364057.12927751883	4386673.26728705	2788.031687376113	2689.1326983114	2630.4944756406	58.0353046540266
658	221	163458	62678.8586730335	37.95797	31.70250766	39.44969524429284	-00.5776037	364258.1273203897	4386669.2740291	2786.024702168344	2687.041131167831	2628.450110458248	58.03522558851825
659	221	163459	63338.8586730335	37.95797	31.70250766	39.44969095662335	-00.5752678	364459.1167051623	4386665.28105094	2784.00765037327	2685.028938373574	2626.328958294017	58.03514606464267
660	221	163460	63998.8586730335	37.95797	31.70250766	39.449686613471364	-00.5729318	364660.19027140625	4386661.28238234	2782.05670099546	2684.89471430792	2623.007417183033	58.03506291892475
661	221	163461	64658.8586730335	37.95797	31.70250766	39.449682215271944	-00.5705959	364861.10234216356	4386657.2963014	2780.167096883	2682.2375427295629	2621.296471633749	58.0349761353749
662	221	163462	65318.8586730335	37.95797	31.70250766	39.4496781795273	-00.5682599	365062.09582299276	4386653.3032199	2778.037225824636	2680.191616603003	2619.583398383248	58.03489519260372
663	221	163463	65978.8586730335	37.95797	31.70250766	39.44967328350701	-00.5659924	365263.088904108	4386649.311026304	2775.98493548496	2678.0897380046207	2617.630082021207	58.03481606369948
664	221	163464	66638.8586730335	37.95797	31.70250766	39.4496687493707	-00.563638	365464.0807759913	4386645.31053432	2774.003313543332	2676.043220660324	2616.0472955276	58.0347341345625
665	221	163465	67298.8586730335	37.95797	31.70250766	39.4496644712488	-00.5613018	365665.1273203897	4386641.3290804	2772.018471967144	2674.05942738049	2614.064973805642	58.03465210054903
666	221	163466	67958.8586730335	37.95797	31.70250766	39.44966007442474	-00.5589162	365866.1607511421	4386637.31051014	2770.032409117025	2672.074569163044	2612.05513565544	58.03457141548225
667	221	163467	68618.8586730335	37.95797	31.70250766	39.44965584784818	-00.5565802	366067.0580454138	4386633.3426738	2768.054590240117	2670.0893462063	2610.071562828191	58.03449211206465
668	221	163468	69278.8586730335	37.95797	31.70250766	39.4496516441498	-00.5542443	366268.0502109882	4386629.3302719	2766.07371400939	2618.0138770890137	2617.9772260637197	58.03441202304296
669	221	163469	69938.8586730335	37.95797	31.70250766	39.449647540522392	-00.5519083	366469.0422	4386625.36211214	2764.086200374487	2616.052602618488	2615.94054505348	58.034326120458
670	221	163470	70598.8586730335	37.95797	31.70250766	39.44964300908684	-00.5495724	366670.034156870	4386619.371340529	2762.05475159345	2614.0779932281	2614.0886377005365	58.0342410228333
671	221	163471	71258.8586730335	37.95797	31.70250766	39.44963875146826	-00.5472284	366871.056815887	4386615.42728721	2760.0245968267	2612.048579724757	2612.0521816984707	58.034160388785
672	221	163472	71918.8586730335	37.95797	31.70250766	39.44963405690569	-00.5449005	367072.0175043324	4386611.39403972				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BRElevLogsKgf	BRElevBothKgf	W.SatBothKgf	SatBothKgf
10	22	163549	-365661.1413	193257.3170250766	39.4447682162394	-102.0935897	33708.69391453022	43707.05.498381688	3946.1331546095907	37.074.742637875442	3629.659934924638	3629.7058655125185	75.08270295	75.03406226292368
10	22	163550	-365601.1413	193257.3170250766	39.444811197717988	-102.0912542	333981.81484837406	43701.07.378004149	3946.133876472624	37.073.53421223638	3628.1545029716035	3628.244207381626	75.3688325232433	75.279338421215
11	22	163551	-365641.1413	193257.3170250766	39.4448361288192	-102.0889186	334102.83571488964	43706.27.343645807	3946.16033744284537	37.072.3042781586176	3628.748523987412	3628.867171586176	75.5548886145459	75.4688886145459
12	22	163552	-365681.1413	193257.3170250766	39.44481014747836	-102.086583	334384.05622508103	4370693.1165671041	3947.5146170295234	37.071.08425140928	3625.3445048828696	3625.44584828696	75.59470238110225	75.59470238110225
13	22	163553	-365630.1413	193257.3170250766	39.4448585556371	-102.0842474	334585.1746683302	437068.989104338	3938.471952160686	3699.863142777057	3623.877462920756	3624.024343042307	75.98611580684909	75.8212203424988
14	22	163554	-365621.1413	193257.3170250766	39.44491051265684	-102.0819119	334786.296485144	43706.8637104063	3935.818195219486	3698.625833890507	3622.269465868535	3622.453104306376	75.821140251564	75.821140251564
15	22	163555	-365610.1413	193257.3170250766	39.44493504185713	-102.0795763	334987.4161657698	43706.7166771041	3931.022477195988	3692.4213603916896	3620.515884426196	3620.656586	75.90545796554916	75.75567438471944
16	22	163556	-365610.1413	193257.3170250766	39.44496017073456	-102.0772407	335185.5362032373	43706.76146911545	3925.29277492790434	3696.200123582738	3618.444915666725	3618.479256781457	77.7320796199154	77.4571708056799
17	22	163557	-365601.1413	193257.3170250766	39.44498476769907	-102.0748051	335389.55481228428	43706.7424458007	3924.563877847814	3694.39701354025	3618.452182632813	3618.762772	78.12598617020679	78.25750873020679
18	22	163558	-357021.1413	193257.3170250766	39.4450093265059	-102.0725695	335590.773721554	43706.858561414	3913.833490733512	3693.57145694115	3614.494825269856	3614.825347338956	78.262302742559	78.313121220943
19	22	163559	-359061.1413	193257.3170250766	39.4450353806912	-102.0702338	335791.89240894345	43706.623301588	3908.8268290588	3692.340406908729	3612.470143609379	3612.8750608102733	80.06391729934567	79.6590008005156
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34	22	163574	-349161.1413	193257.3170250766	39.44539071585555	-102.0352	338808.6412120764	43706.02.374	3862.51558037369	3674.0985870693	3578.320632981312	3580.876773470994	95.6892260325798	93.13716239593
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37	22	163577	-347181.1413	193257.3170250766	39.44546912215984	-102.0281751	339411.9836346214	43705.89.2034412	3851.239511623463	3670.1818971635	3572.13801294486	3572.86976352363	98.4249576352363	98.4249576352363
38	22	163578	-346521.1413	193257.3170250766	39.4454922119842	-102.0258757	339613.097739148	43705.86.6021019	3847.118937641318	3669.87507059665	3569.8352341545	3573.797383	99.0202431489966	99.0202431489966
39	22	163579	-345861.1413	193257.3170250766	39.44551588	-102.0232519	339814.2113425486	43705.76.162842	3847.331362872834	3667.563205607144	3567.679516	3579.731823774849	99.8338693	87.831831229944
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46	22	163586	-341241.1413	193257.3170250766	39.4456802395233	-102.0071725	341221.98922235346	43705.52.91245116	3837.8957053707563	3658.2138212001345	3554.789674160514	3566.98169810454	103.4213304091939	91.2322140984927
47	22	163587	-340581.1413	193257.3170250766	39.44570360907706	-102.0048369	341423.109633041	43705.48.02	3860.337513625564	3656.83285005079	3552.83044289794	3559.50628048048	104.0023843	97.3621864117427
48	22	163588	-339921.1413	193257.3170250766	39.44572686274874	-102.0025013	341624.2027914128	43705.44.682	3860.0282112219074	3654.4539967346004	3550.274351521133	3552.559365512143	105.16356158248709	102.8763212244612
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51	22	163591	-337941.1413	193257.3170250766	39.4457981969615	-101.9948186	342248.626824774	43705.32.20598193	3855.91912094629	3644.797859795447	3541.822549697155	3535.6911186736625	107.772461718116	113.90679096339
52	22	163592	-337281.1413	193257.3170250766	39.4458145858615	-101.9930821	342429.721743714	43705.24.079225346	3860.336861660246	3648.239690134376	3539.84847665405	3533.292112292376	108.6912614680325	114.9474962105096
53	22	163593	-336621.1413	193257.3170250766	39.445842465237265	-101.9884875								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothK.f	LatBothK.f	SurfBoth.f
261	222	168001	-199341.1413	938257.3170250766	39.44965336879705	-101.5048628	284455.3967338594	4396971.9791576965	3427.4296430814525	3324.7241756119586	3200.0410080248303	3196.3924781314026	26.683167773712831	30.133169765005594
262	222	168002	-198681.1413	938257.3170250766	39.44965697526697	-101.5026467	284565.451871597344	4396967.5042306692	3495.4662715378654	3324.8894125766455	3198.1900867466955	3198.2352366000015	26.6933256000015	32.6594455391786
263	222	168003	-198461.1413	938257.3170250766	39.44965792656426	-101.5003108	284571.5186962095	4396965.833	3493.1911640799	3323.06847160426	3198.378894026427	3193.6103279339926	26.70472567339926	32.66463913202636
264	222	168004	-197761.1413	938257.3170250766	39.44965405289997	-101.4977499	284658.5793045784	4396959.754099452	3400.634277672954	3321.2282179004664	3197.522734360032	3192.552176672885	26.71530635846318	32.67604211581262
265	222	168005	-196701.1413	938257.3170250766	39.44970752023684	-101.4956391	285259.630979184034	4396955.686095198	3488.01753842048	3319.405196134304	3196.800323606257	3194.9307413319322	26.725988730604694	32.68744289667312
266	222	168006	-196041.1413	938257.3170250766	39.44972056002414	-101.4933032	285460.702076557	4396951.607	3485.430750215462	3317.589090743974	3195.882677849416	3193.7980767331636	26.731789905211	32.69781320124098
267	222	168007	-195381.1413	938257.3170250766	39.44973433090513	-101.4909673	285661.7600524096	4396947.537092804	3486.886898234903	3315.7805224880196	3194.740467657281	3192.694710955466	26.74045487033865	32.70232132526764
268	222	168008	-194721.1413	938257.3170250766	39.44974766662766	-101.4886314	285862.81966630794	4396943.40927807	3480.613033030934	3313.99223288558	3193.758528540459	3192.807177037318	26.74734345312617	32.71360217087593
269	222	168009	-194061.1413	938257.3170250766	39.44975987298366	-101.4863955	286076.8291811985	4396939.36	3478.264086767595	3312.213209730758	3192.586162049249	3191.618602891698	26.75074077066618	32.724569692914881
270	222	168010	-193401.1413	938257.3170250766	39.44977402811824	-101.4836596	286254.939862362	4396935.31282786	3475.886753241975	3310.4519551678054	3191.027521030454	3184.122759584545	26.75746430475	32.732916147325113
271	222	168011	-192741.1413	938257.3170250766	39.44978740320321	-101.4816237	286465.9800449316	4396931.292328325	3473.6622279943026	3308.7248557617	3188.994102913807	3176.354470100316	26.764518563808069	32.73671703673012
272	222	168012	-192081.1413	938257.3170250766	39.44980056	-101.4792878	286667.5071746617	4396927.16637862	3471.574094	3306.996140274247	3186.766938410915	3175.42529971578805	26.77043446333234	32.745708450264303
273	222	168013	-191421.1413	938257.3170250766	39.44981366861941	-101.4769519	286868.1157801716	4396923.03732852	3469.47820305101575	3305.3039276688164	3184.190803682625	3176.8241193798101	26.771231297413395	32.74882871770079
274	222	168014	-190761.1413	938257.3170250766	39.44982673364442	-101.474616	287069.1743325293	4396919.012196536	3467.38076521296536	3303.678957622887	3182.532630121682	3174.9278550492525	26.771026564060683	32.741150398130622
275	222	168015	-190101.1413	938257.3170250766	39.449839753546854	-101.4722801	287270.2326765898	4396914.949661611	3465.195952576525	3301.996918926897	3181.6006252676005	3178.276259356667	26.772305353168007	32.742735653168007
276	222	168016	-189441.1413	938257.3170250766	39.44985272832719	-101.469942	287471.2908113876	4396910.577604178	3462.795468711178	3300.378978965435	3180.6047303166056	3175.93568191673	26.7731735308478	32.74329166458035
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279	222	168019	-187461.1413	938257.3170250766	39.44989138135448	-101.4629366	288074.463661558	4396905.66226753	3456.2220471610867	3295.66802744672	3177.0476321332935	3170.3900402796075	26.77621706113786	32.75267426506457
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285	222	168025	-183501.1413	938257.3170250766	39.4499674708445	-101.4489211	289280.804070572	4396904.72389124	3445.19248609494	3286.750410139275	3169.154083534963	3157.990974324542	26.77999274667867	32.7603366893845
286	222	168026	-182841.1413	938257.3170250766	39.4499799440144	-101.4465852	289481.860694378	4396905.108	3440.847198274947	3285.31609769434	3167.701106617515	3156.82772085225	26.78016155227966	32.76106376831136
287	222	168027	-182181.1413	938257.3170250766	39.44999247	-101.4442493	289682.91654135025	4396905.69802641	3440.848037341607	3283.8582695754	3166.42933	3155.915840881753	26.7807177766403	32.761973660577881
288	222	168028	-181521.1413	938257.3170250766	39.450004906153005	-101.4419134	289883.9728126765	4396902.02889475	3439.794966258831	3282.4716940135954	3165.1887194019714	3155.716921409145	26.781297461162401	32.7627460445041
289	222	168029	-180861.1413	938257.3170250766	39.45001728434181	-101.4396778	290085.0277146995	4396905.578	3438.741935176958	3281.60365717894	3164.336228321487	3152.247692164846	26.78197829244723	32.7635915898656
290	222	168030	-180201.1413	938257.3170250766	39.450030293740805	-101.4374716	290286.9209417913	4396903.89602636	3437.94859822957	3279.55406123504	3163.179032058293	3150.3657857903	26.7827312601454	32.76430172601454
291	222	168031	-179541.1413	938257.3170250766	39.4500419335169	-101.4349057	290487.1376627315	4396905.481616377	3436.99211364522	3278.363556580971	3161.539125282048	3152.63223600583	26.78324312965631	32.7652732980179
292	222	168032	-178881.1413	938257.3170250766	39.45005418817267	-101.4325698	290688.1927782645	4396905.75291375	3435.651622879836	3276.8730854271353	3160.31590540746	3151.75841723200563	26.783954888330604	32.7661146682047895
293	222	168033	-178221.1413	938257.3170250766	39.45006635887012	-101.4302339	290889.2474	4396904.68414897	3436.311134015045	3275.4823444605	3159.3870984565565	3151.124731	26.7846102254880452	32.7669359435151
294	222	168034	-177561.1413	938257.3170250766	39.45007785844667	-101.427898	291090.3017909911	4396905.371613058	3435.976044200367	3274.105478426759	3158.2661844610752	3151.27964375644	26.78530924616036	32.767825846703037
295	222	168035	-176901.1413	938257.3170250766	39.45009065989574	-101.4256261	291291.2558995145	4396905.34860021	3435.5222211869364	3273.72765604255	3157.932760022157	3152.504386874552	26.786190500847852	32.76872661280671
296	222	168036	-176241.1413	938257.3170250766	39.45010275	-101.423422	291492.40982386	4396905.578	3434.954965722837	3271.35406123504	3157.245781580429	3151.21858578852	26.78749186918512	32.76942765887852
297	222	168037	-175581.1413	938257.3170250766	39.45011747532414	-101.4208902	291693.6477147036	4396905.45180896	3434.409058753291	3269.984301879903	3156.670271221448	3153.31248878907	26.78813301586549	32.769905128012601
298	222	168038	-174921.1413	938257.3170250766	39.45012675752192	-101.4185543	291894.51735531364	4396905.140532025	3433.85152544769	3268.614529872115	3156.03458262887	3153.93163294697	26.78907160922771	32.770537667100277
299	222	168039	-174261.1413	938257.3170250766	39.4501368448379	-101.4162184	292095.5707346746	4396907.277801057	3432.3184760470196	3267.2468397071996	3155.4836995188402	3154.021496207154	26.7901763102135935	32.771323544603538
300	222	168040	-173601.1413	938257.3170250766	39.45015056322283	-101.4138825	292296.6230997616	4396905.3210757098	3431.8054653057165	3266.8932541038	3155.003340334546	3154.188037425756	26.79087492055102	32.77215911525181
301	222	168041	-172941.1413	938257.3170250766	39.4501624330904	-101.4115466	292497.6788077684	4396905.144	3427.292455470017	3264.5130915708305	3154.5343336280548	3153.7295374368187	26.7916978794232575	32.773016825421185
302	222	168042	-172281.1413	938257.3170250766	39.45017424363285	-101.4092107	292698.726475261	4396905.077291074	3426.174352444843	3263.744352444843	3153.99641174916	3153.9719136986685	26.79250190700332	32.77391582529085
303	222	168043	-171621.1413	938257.3170250766	39.45018610710282	-101.406922	292899.8344511594	4396904.72389124	3425.19248609494	3262.750410139275	3153.75841723200563	3152.7469253996983	26.79349186918512	32.774765887852
304	222	168044	-170961.1413	938257.3170250766	39.45019774354154	-101.404538	293108.8345714514	4396904.94654173	3424.113856522047	3				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevKgs.f	SatBttnKgs.f	SatBttnKgs.f
387	222	163927	-116181.1413	938257.3170250766	39.451012443788855	-101.2106653	90787.49171517487	4389910.170607005	3290.768722220125	3148.090054507766	3059.4598851840333	3050.245628335709	97.8301693373284	97.8805517205733
388	222	163928	-115521.1413	938257.3170250766	39.45102034740157	-101.208314	90988.5271784854	4369156.12177525	3288.434791780496	3146.558253767405	3046.588203703056	3048.538118871214	97.99003339665433	98.21974187993237
389	222	163929	-114861.1413	938257.3170250766	39.45102624946604	-101.205816	91186.7546484975	4369156.12177525	3288.434791780496	3146.558253767405	3046.588203703056	3048.538118871214	97.99003339665433	98.21974187993237
390	222	163930	-114201.1413	938257.3170250766	39.45103071269186	-101.203474	91390.5991684334	4369148.027431459	3283.780993	3143.441299140135	3045.264063234555	3048.538118871214	97.99003339665433	98.21974187993237
391	222	163931	-113541.1413	938257.3170250766	39.45104386	-101.201314	91591.6341477397	4369143.97651941	3280.693702491799	3141.257249494707	3044.12362714292	3044.056291991985	97.71488024	97.80031375
392	222	163932	-112841.1413	938257.3170250766	39.45105193730008	-101.198755	917092.6687574066	4369143.97651941	3280.693702491799	3141.257249494707	3044.12362714292	3044.056291991985	97.71488024	97.80031375
393	222	163933	-112221.1413	938257.3170250766	39.4510592622868	-101.196639	91993.700551455434	4369138.88071519	3273.0032616745	3138.6473270824526	3042.0493436710619	3042.125667961	96.9798341183387	96.621041241149
394	222	163934	-111561.1413	938257.3170250766	39.45106694282396	-101.1943305	911194.73942439024	4369131.83122909	3269.1768800541	3136.027058921321	3041.137396809427	3041.187290686486	96.80879191237818	96.318322823501
395	222	163935	-110901.1413	938257.3170250766	39.45107454781211	-101.191876	911356.7746484975	4369127.785737178	3263.6710718625887	3134.047465872783	3040.529770367895	3041.740456556449	94.8497010582832	94.8497010582832
396	222	163936	-110241.1413	938257.3170250766	39.45108210796692	-101.1896316	911596.8070703894	4369121.73555795	3256.5421186394515	3133.721007267122	3039.82498	3039.82498	93.83271404250217	93.83271404250217
397	222	163937	-109581.1413	938257.3170250766	39.45108962269709	-101.1872586	911797.84072477	4369116.981958348	3249.415184465162	3132.465152156594	3038.2604772303083	3038.2604772303083	92.8508378873112	92.7961773024467
398	222	163938	-108821.1413	938257.3170250766	39.4510970240263	-101.184596	911988.6775063276	4369115.64482913	3242.284918295806	3130.356940746683	3038.44574683614	3038.5332274973266	91.9119391037137	91.912324393596
399	222	163939	-108261.1413	938257.3170250766	39.451105251987005	-101.1826236	912199.911526479	4369111.506296238	3238.2062197908426	3128.6529791212592	3037.708261982607	3037.708261982607	90.9447713865232	90.9447713865232
400	222	163940	-107601.1413	938257.3170250766	39.451119	-101.1802877	912400.4543148896	4369110.511906558	3240.177424362301	3126.354227799027	3036.821324049735	3036.821324049735	89.9019286077642	89.9019286077642
401	222	163941	-106941.1413	938257.3170250766	39.45111923071228	-101.1779517	912601.9781979127	4369109.50579985	3241.140629567608	3125.20724549921	3035.887066340645	3035.797131313932	89.2015915881575	89.4107081333288
402	222	163942	-106281.1413	938257.3170250766	39.451126519797005	-101.1756157	912803.012335387	4369109.45981907	3242.119295440219	3123.470225437787	3034.736261570305	3034.525741181843	88.733063967436	88.9444842594373
403	222	163943	-105621.1413	938257.3170250766	39.45113734640611	-101.1732797	913004.455706831	4369095.41068327	3242.998527311146	3121.7251336244883	3033.3909717997203	3033.1245447839985	87.6341618247594	87.6341618247594
404	222	163944	-104961.1413	938257.3170250766	39.45114096301754	-101.1709437	913205.078623449	4369091.368595217	3243.7846458454392	3119.972848978256	3032.039478771083	3031.7898781197	87.32309145057474	88.183701605899
405	222	163945	-104301.1413	938257.3170250766	39.45114811685018	-101.1686078	913406.11493324	4369087.3232388	3244.57036957328	3118.21261425295	3030.4465788708917	3031.1873650640687	87.7695338540329	87.7695338540329
406	222	163946	-103641.1413	938257.3170250766	39.4511552255808	-101.1662718	913607.14418072	4369083.78124424	3245.358982701326	3116.45658637136	3028.8127207158346	3030.56625137863	87.102781230137	85.8903736
407	222	163947	-102981.1413	938257.3170250766	39.451163938	-101.163938	913808.176885271	4369079.218315474	3246.04860781038	3115.24634524584	3027.388256815272	3029.5964412234167	87.00763938	85.1382402
408	222	163948	-102321.1413	938257.3170250766	39.4511693759953	-101.161598	914009.205805406	4369075.16657165	3246.6945703879	3114.327604	3025.82781756551	3028.798915113543	87.100706545396	84.747273038564
409	222	163949	-101661.1413	938257.3170250766	39.45117617	-101.158279	914210.2425277074	4369071.14402907	3247.15874046588	3113.15029392572	3024.153028125147	3026.5208125147	85.8208125147	81.8214697
410	222	163950	-101001.1413	938257.3170250766	39.451183014119	-101.1562975	914411.21309481	4369079.9272252	3233.9540510111	3109.378167330415	3022.56330246396	3021.831905504863	86.1843705955362	84.266258219523
411	222	163951	-100341.1413	938257.3170250766	39.45119009224772	-101.1545919	914612.3048750734	4369063.05565290	3230.020875502561	3107.598797714789	3020.985204989293	3022.358734756874	85.8163927188958	84.21292424159174
412	222	163952	-99681.1413	938257.3170250766	39.45119693	-101.1522559	914813.336426755	4369059.012	3225.54904826872	3105.918201309256	3019.7104525671001	3021.11907930561	86.1083347418813	87.307322728074
413	222	163953	-99021.1413	938257.3170250766	39.451203723019034	-101.1499199	915014.376999759	4369054.968105618	3221.98941125876	3104.03696471028	3018.3561156026203	3021.1611924851	85.8163927188958	84.21292424159174
414	222	163954	-98361.1413	938257.3170250766	39.45121047072839	-101.1479318	915215.399134352	4369050.92462883	3216.5329634002487	3102.2937004473	3016.738453811235	3025.463137471646	85.5209354631357	84.7613230975245
415	222	163955	-97701.1413	938257.3170250766	39.45121629710014	-101.145879	915416.394593015	4369048.81386544	3211.530967853781	3100.47836987347	3014.9781981113	3023.9615135876	85.021215715876	84.7613230975245
416	222	163956	-97041.1413	938257.3170250766	39.4512230775824	-101.142912	915617.14671767	4369042.923476019	3206.022471671605	3008.70317161405	3013.42131579	3019.98629	84.714173907842	84.714173907842
417	222	163957	-96381.1413	938257.3170250766	39.45123041	-101.140576	915818.491856182	4369035.95409096	3200.514927	3006.925866341251	3013.8602925161053	3017.690678890896	83.6557538251475	83.6557538251475
418	222	163958	-95721.1413	938257.3170250766	39.45123701	-101.138124	916019.522696425	4369034.75283787	3195.006066789342	3005.1615745324007	3013.78315740233	3017.690678890896	83.6557538251475	83.6557538251475
419	222	163959	-95061.1413	938257.3170250766	39.4512433420513	-101.135904	916220.55273054805	4369030.710422332	3194.318927576354	3003.407118457762	3014.247479468144	3016.6107320744038	83.179238934751	87.33391102
420	222	163960	-94401.1413	938257.3170250766	39.4512500936506	-101.133568	916421.582678535	4369026.61988434	3177.5158519610896	3001.65719319610896	3014.175557825941	3014.175557825941	82.7454665507747	82.7454665507747
421	222	163961	-93741.1413	938257.3170250766	39.4512564412001	-101.131232	916622.6128322004	4369022.6180274	3167.897370844731	3000.9595894897783	3011.73429597943	3016.358950537687	82.7454665507747	82.7454665507747
422	222	163962	-93081.1413	938257.3170250766	39.45126297271014	-101.128961	916823.5425277074	4369018.58426354	3162.324249	3000.40098	3011.73429597943	3016.358950537687	82.7454665507747	82.7454665507747
423	222	163963	-92421.1413	938257.3170250766	39.4512691894505	-101.1265601	917024.6274247697	4369012.54762961	3157.717936737518	3000.695126551827	3010.7663898535	3016.358950537687	82.7454665507747	82.7454665507747
424	222	163964	-91761.1413	938257.3170250766	39.45127546595511	-101.1242241	917225.701681932	4369010.501363786	3148.287766772007	3000.3717307777	3012.12727732885	3005.062575397722	82.7454665507747	82.7454665507747
425	222	163965	-91101.1413	938257.3170250766	39.45128171729017	-101.1218881	917426.73084106273	4369004.604170923	3143.855187666093	3000.23820330925	3012.982988784655	3005.062575397722	82.7454665507747	82.7454665507747
426	222	163966	-90441.1413	938257.3170250766	39.451287923500196	-101.1195521	917627.76021811	4369002.0419	3142.55225652414	3000.10678041036	3013.1632973787253	3004.5787674290427	82.7454665507747	82.7454665507747
427	222	163967	-89781.1413	938257.3170250766	39.4512940458522	-101.1172611	917828.788924321	4368998.37404094	3141.024215473173	3000.3717307777	3012.770530309351	3003.237142886875	82.7454665507747	82.7454665507747
428	222	163968	-89121.1413	938257.3170250766	39.4512995054521	-101.1148801	918029.817489815	4368994.373303115	3141.7451576193304	3000.50161076399	3011.5431105621657	3001.278361203443	82.7454665507747	82.7454665507747
429	222	163969	-88461.1413	938257.3170250766	39.451305122070014	-101.1125861	918231.045908015	4368990.87927113	3140.874792113	3000.40098	3011.5431105621657	3001.278361203443	82.7454665507747	82.7454665507747
430	222	163970	-87801.1413	938257.3170250766	39.4513122070014	-101.1102811	918431.874564491	4368985.25700982	3141.024215473173	3000.3717307777	3012.770530309351	3003.237142886875	82.7454665507747	82.7454665507747
431	222	163971	-87141.1413	938257.3170250766	39.45131827767485	-101.1078722	918632.90275683126	4368982.17345811	3141.7451576193304	30				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgr.ft	SatTchLogKgr.ft	SatTchBoth.ft
512	222	164053	-33021.14133	193257.3170250766	39.45165512410129	-100.1613199	31716.6307281712	4388651.642140864	3209.135123535684	2749.484989682407	2889.352781873094	2890.920393217046	58.13220780931306	56.5640546540249
514	222	164054	-32361.14133	193257.3170250766	39.45167525927374	-100.193339	335317.644851573744	4386647.619276583	3205.696192718444	2945.6782494617	2888.004240265782	2889.526452600213	57.67388496	56.56523431577
515	222	164055	-31701.14133	193257.3170250766	39.4516694592047	-100.016479	33518.658423094	4386543.566171865	3208.177007581935	2943.672644463096	2888.94214651914	2888.9391971298327	56.93062861199546	55.833477334076936
516	222	164056	-31041.14133	193257.3170250766	39.45166160424146	-100.090319	335719.6781078777	4386501.541674027	3202.9160269556	2942.069615329187	2888.009022466815	2887.415886451754	57.9789923077156	54.150372881
517	222	164057	-30381.14133	193257.3170250766	39.45166370403671	-100.0609759	335920.8685186604	4386365.519517084	3209.7334654002723	2940.272261895857	2885.37582733579	2886.84767274839	54.89673458276836	53.4248847147617
518	222	164058	-29721.14133	193257.3170250766	39.45166584870621	-100.0406399	336121.70006705984	4386351.528975035	3208.482264271807	2884.8121846746276	2886.7076171531435	2887.5350077317956	51.774665274663676	51.652527663676
519	222	164059	-29061.14133	193257.3170250766	39.45166785824999	-100.0202309	336322.7134561809	4386267.508038451	3207.41131361495	2936.6990061033103	2883.960045783294	2886.1366055617627	52.73895845586726	50.5624004177659
520	222	164060	-28401.14133	193257.3170250766	39.45166982	-100.8999679	336523.726668223	4386233.4584407419	3207.5294133353201	2937.6295921612	2883.95949539968	2885.122983526814	52.73039881643636	49.799612294670676
521	222	164061	-27741.14133	193257.3170250766	39.45167171949029	-100.887618	336724.7397574083	4386195.4648617865	3206.8474655514377	2936.84765825273	2883.6597198118343	2882.6597198118343	52.18902144592613	48.4929043117353
522	222	164062	-27081.14133	193257.3170250766	39.45167361162577	-100.885259	336925.756692534	438615.4743761882	3204.3655177466744	2931.3885269585713	2878.91043892213	2881.057327455047	52.478974745338	50.1219365406574
523	222	164063	-26421.14133	193257.3170250766	39.45167545167541	-100.8925968	337126.7564	438611.422747363	3204.99070905304	2929.62949	2876.4250518195554	2880.294448689303	52.03044333684315	49.3350143238725
524	222	164064	-25761.14133	193257.3170250766	39.451677229082534	-100.8906238	337327.7780179598	4386067.041938329	3203.841649587517	2927.474661331511	2873.271682909743	2880.46532955718	51.45129784176824	47.41412837633288
525	222	164065	-25101.14133	193257.3170250766	39.451678967871736	-100.8882878	337528.7940575573	4386035.3547337705	3203.69422	2926.1230988213946	2870.690248613965	2885.24587136261	50.4532603242936	48.974217558693454
526	222	164066	-24441.14133	193257.3170250766	39.45168061615317	-100.8859518	337729.8027374791	4385999.36036682	3203.546295724835	2927.0363179547337	2872.2824734951476	2887.371840397454	52.09134726044784	47.52091342904784
527	222	164067	-23781.14133	193257.3170250766	39.45168231007286	-100.8836158	337930.8146597868	4385956.304744057	3203.126025090363	2922.827177105053	2863.645446653194	2889.937594841576	50.98173069473369	46.8995623499676
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531	222	164071	-21141.14133	193257.3170250766	39.451688428568004	-100.8742717	338734.8617766628	4385875.292262994	3204.24257500221	2915.6655306762077	2853.83435209262	2868.46886868217	61.13717777	45.726703181
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536	222	164076	-17841.14133	193257.3170250766	39.45169511625169	-100.862516	339739.9196002796	4385859.168254763	3204.817295644095	2910.45554403592	2857.709487112748	2858.2450679387415	52.74506723953145	49.6362497
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541	222	164081	-14541.14133	193257.3170250766	39.4517006133259	-100.8505456	340746.93177539	4385839.079618287	3203.827001003334	2899.966844128673	2841.2925745240814	2842.1800277739273	50.7427103458542	57.61864384739524
542	222	164082	-13881.14133	193257.3170250766	39.45170170343334	-100.8485759	340945.951744171	4385835.052045194	3203.827001003334	2899.966844128673	2841.2925745240814	2842.1800277739273	50.7427103458542	57.61864384739524
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552	222	164092	-7281.14133	193257.3170250766	39.45170885763117	-100.8252154	342956.067389716	4385794.06276306	3202.73359971352	2879.76532702227	2807.802540049874	2807.813460101174	71.9938032	71.9938032
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556	222	164096	-4641.14133	193257.3170250766	39.451711049730874	-100.8158713	343759.088576193	4385778.84484113	3203.016742718866	2878.345225509095	2812.238811078868	2812.238811078868	67.494105092917	67.494105092917

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvgsKgr.f	BRLEvgsBothKgr.f	SatHfvsKgr.f	SatHfvsBoth.f
639	222	164179	50138.8586730335	398257.3170250766	39.45158139021411	-100.6219823	60443.2247152309	4381.461377254507	2856.165403817622	272.06256348962	2662.1065030509504	2674.352360113976	62.4997598837136	50.2539963249861
640	222	164180	50138.8586730335	398257.3170250766	39.45157709593796	-100.6194643	60444.22023473508	4382.42138	2859.8329570122884	272.6367821784483	2659.713147128323	62.52330550126445	62.2221119840247	50.2539963249861
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642	222	164182	50118.8586730335	398257.3170250766	39.45157090281451	-100.6147842	60446.21110289285	4384.33436774627	2867.17665581622	271.87633285504	2655.668411911069	62.6408464771523	63.04811713443479	54.10811853981026
643	222	164183	50278.8586730335	398257.3170250766	39.45156731676352	-100.6126382	60447.2063488865	4385.3039356918	2868.0003984153577	271.6769006468288	2654.154250890108	62.6776545451734	63.057565918024	54.99146117140864
644	222	164184	50438.8586730335	398257.3170250766	39.4515636558694	-100.6103022	60448.214253523097	4386.261304	2865.991626263184	271.8242766263184	2653.2738680329408	62.6910585359844	63.154547039377654	55.81002126646399
645	222	164185	50408.8586730335	398257.3170250766	39.4515600928485	-100.6079662	60449.1964981672	4386.12238134819	2863.99452409684	271.289963052837	2653.3436156406518	62.6558667920487	63.0557786642818	57.0712712279909
646	222	164186	50478.8586730335	398257.3170250766	39.4515626785721	-100.6056302	60450.1327397013	4386.11840233411	2861.929235673737	271.068688522333	2654.4763915379103	62.66057515103194	63.50656753193202	50.40553534039076
647	222	164187	50418.8586730335	398257.3170250766	39.4515625130462	-100.6038284	60451.1860246374	4386.1047828816	2860.9924814639124	271.874766911342	2652.881728125318	62.6387368922454	64.19674717268372	54.98376717268372
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654	222	164194	60038.8586730335	398257.3170250766	39.4515248911741	-100.5869422	60458.14511951101	4385.808642534447	2862.895465144097	263.667775247888	2650.523894564576	62.5610036883195	63.6434704503252	39.5488042883834
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670	222	164210	70598.8586730335	398257.3170250766	39.45145633595086	-100.5495662	60474.10680857303	4385.55033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
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672	222	164212	71918.8586730335	398257.3170250766	39.45144739168204	-100.5448942	60476.10680857303	4385.53033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
673	222	164213	72578.8586730335	398257.3170250766	39.45143875188148	-100.5425452	60477.10680857303	4385.52033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
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675	222	164215	73898.8586730335	398257.3170250766	39.45142873898485	-100.5378862	60479.10680857303	4385.50033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
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677	222	164217	75218.8586730335	398257.3170250766	39.4514185137114	-100.5332142	60481.10680857303	4385.48033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
678	222	164218	75878.8586730335	398257.3170250766	39.45141375930336	-100.5308782	60482.10680857303	4385.47033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
679	222	164219	76538.8586730335	398257.3170250766	39.45140931698204	-100.5284942	60483.10680857303	4385.46033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
680	222	164220	77198.8586730335	398257.3170250766	39.45140492972986	-100.5261262	60484.10680857303	4385.45033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
681	222	164221	77858.8586730335	398257.3170250766	39.45140054917199	-100.5237502	60485.10680857303	4385.44033158081	2845.71748561528	260.76705015324116	2622.981543248076	62.506776599174	62.4545595962495	55.3727268932077
682	222	164222	78518.8586730335	398257.3170250766	39									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SurfBoth.ft
25	223	164305	-35501.1413	398917.3170250766	39.44699310220854	-102.0562517	372002.73275438382	4370840.800925159	3886.809139795666	3684.1953396276346	3599.227762084176	3467.777774	79.736439898911
26	223	164306	-35444.1413	398917.3170250766	39.447017357175874	-102.053916	372003.74457433875	4370836.676545882	3882.82204906724	3682.9114164905827	3596.809251902578	3467.777774	79.736439898911
27	223	164307	-35378.1413	398917.3170250766	39.4470415	-102.051864	372004.36673351104	4370832.55278104	3878.7424397868574	3679.251433794842	3579.120865237948	3467.777774	79.736439898911
28	223	164308	-35312.1413	398917.3170250766	39.447065731766926	-102.049247	372006.0183241042	4370824.458415183	3877.583175405481	3680.515547446337	3579.184504819757	3467.777774	79.736439898911
29	223	164309	-35246.1413	398917.3170250766	39.44708985139053	-102.046909	372007.1967172917	4370820.34066504	3876.419162767345	3679.2799627253072	3589.206607	3467.777774	79.736439898911
30	223	164310	-35180.1413	398917.3170250766	39.44711302589942	-102.044574	372008.3132053612	4370820.181123665	3875.256068487932	3678.0367144578	3586.447247900491	3467.777774	79.736439898911
31	223	164311	-35114.1413	398917.3170250766	39.4471395530555	-102.042237	372009.428816953685	4370816.058	3871.09233	3676.784188305743	3583.83160220612	3467.777774	79.736439898911
32	223	164312	-35048.1413	398917.3170250766	39.4471379555555	-102.039921	372010.54372968978	4370811.934667345	3868.92431274558	3675.5226305974937	3581.5314807862063	3467.777774	79.736439898911
33	223	164313	-34982.1413	398917.3170250766	39.447165978749538	-102.037564	372011.65853072688	4370812.112810714	3868.74463336857	3674.251433794842	3579.120865237948	3467.777774	79.736439898911
34	223	164314	-34916.1413	398917.3170250766	39.44720772779204	-102.035207	372012.737726392	4370803.689500887	3864.600574328135	3672.971901134861	3578.84525130967	3467.777774	79.736439898911
35	223	164315	-34850.1413	398917.3170250766	39.44723321734036	-102.032895	372013.1887355985	4370801.56556822	3861.263548305743	3671.88326345187	3574.700221	3467.777774	79.736439898911
36	223	164316	-34784.1413	398917.3170250766	39.4472542553886	-102.030594	372014.0013802167	4370795.444	856.750146269436	3670.38741610672	3572.690363511516	3467.777774	79.736439898911
37	223	164317	-34718.1413	398917.3170250766	39.44711842573	-102.028237	372016.1151463266	4370792.32196885	3852.243248000148	3669.02849126436	3570.537208865445	3467.777774	79.736439898911
38	223	164318	-34652.1413	398917.3170250766	39.447304987848525	-102.025888	372017.228654342	4370787.20033119	3847.7331517321895	3667.772115483164	3568.527350149464	3467.777774	79.736439898911
39	223	164319	-34586.1413	398917.3170250766	39.44732856623234	-102.023524	372018.3140436342	4370783.70874827	3844.104358952397	3666.549852060487	3564.2607725829675	3467.777774	79.736439898911
40	223	164320	-34520.1413	398917.3170250766	39.4473521896282	-102.021217	372019.454948693075	4370782.57227861	3841.35690564235	3665.12903336244	3564.896859485796	3467.777774	79.736439898911
41	223	164321	-34454.1413	398917.3170250766	39.44737576792705	-102.018881	372020.56783134943	4370774.83569291	3838.60325275141	3663.797252	3562.669473197468	3467.777774	79.736439898911
42	223	164322	-34388.1413	398917.3170250766	39.4473993105637	-102.016543	372021.68018072582	4370774.71462611	3835.68199086046	3662.456039125026	3561.2350249348005	3467.777774	79.736439898911
43	223	164323	-34322.1413	398917.3170250766	39.44724278907026	-102.014296	372022.793288614	4370766.59143324	3837.2482176140592	3661.106009066337	3559.258803220485	3467.777774	79.736439898911
44	223	164324	-34256.1413	398917.3170250766	39.44744621396885	-102.011874	372023.90429227543	4370762.47333913	3832.7454907	3659.74578697417	3557.34795826093	3467.777774	79.736439898911
45	223	164325	-34190.1413	398917.3170250766	39.44746962975207	-102.009383	372024.0159886907	4370758.35133871	3833.764440964901	3658.73464409459	3556.421034662101	3467.777774	79.736439898911
46	223	164326	-34124.1413	398917.3170250766	39.4474926419874	-102.007026	372025.1214785976	4370754.22345192	3835.777085494224	3656.990044648955	3553.683046281262	3467.777774	79.736439898911
47	223	164327	-34058.1413	398917.3170250766	39.44751516252672	-102.004672	372026.24162084542	4370750.123810714	3836.531889546327	3654.92708147877	3552.6809227946	3467.777774	79.736439898911
48	223	164328	-33992.1413	398917.3170250766	39.44753955	-102.002312	372027.34162830276	4370745.93189094	3836.94632255144	3654.10117204726	3548.9628075903302	3550.35469329215	79.736439898911
49	223	164329	-33926.1413	398917.3170250766	39.44756276973042	-102.000195	372028.4602607294	4370741.876227291	3835.72844788969	3547.0258891254343	3542.347212833525	3467.777774	79.736439898911
50	223	164330	-33860.1413	398917.3170250766	39.447589193616	-101.997598	372029.57068812218	4370737.754	3837.49791229623	3651.30219682154	3544.833713305037	3535.916024470025	79.736439898911
51	223	164331	-33794.1413	398917.3170250766	39.4476096092627	-101.9955241	372030.68085881276	4370733.635130031	3835.8154585991249	3649.84766033479	3542.701487362673	3533.553084298828	79.736439898911
52	223	164332	-33728.1413	398917.3170250766	39.447632151000704	-101.9931884	372031.797395884	4370729.516195393	3838.17483769091	3648.342676514764	3540.783169092973	3532.851800816017	79.736439898911
53	223	164333	-33662.1413	398917.3170250766	39.44765517859843	-101.9908527	372032.9043145656	4370725.397407073	3836.531889546327	3647.92081432235	3538.86982133095	3531.639498941744	79.736439898911
54	223	164334	-33596.1413	398917.3170250766	39.44767817902408	-101.988517	372033.00963384542	4370721.7785041	3835.8451440022	3645.43052338604	3537.049630087399	3529.765273389159	79.736439898911
55	223	164335	-33530.1413	398917.3170250766	39.44770112622955	-101.9861813	372034.1889014382	4370717.160647352	3837.05918618638	3643.400272171088	3534.7524061889353	3519.343146	79.736439898911
56	223	164336	-33464.1413	398917.3170250766	39.447724027740854	-101.9838456	372035.2278863427	4370713.40254937	3835.0014220341547	3641.4220341547	3531.977165071238	3504.844781389676	79.736439898911
57	223	164337	-33398.1413	398917.3170250766	39.44774684136265	-101.981509	372036.3368282875	4370708.925	3848.951131306964	3640.9344804987427	3529.0687828467676	3519.328992210765	79.736439898911
58	223	164338	-33332.1413	398917.3170250766	39.44776995415744	-101.9791742	372037.44491816435	4370704.80682864	3848.950698317264	3639.4206899054734	3526.1934017763767	3519.328992210765	79.736439898911
59	223	164339	-33266.1413	398917.3170250766	39.44779246157525	-101.9768385	372038.5505302379	4370700.8196831394	3847.7776598471	3637.9009632159883	3523.34103958504	3519.328992210765	79.736439898911
60	223	164340	-33200.1413	398917.3170250766	39.44781516252672	-101.974528	372039.6612323088	4370696.12323088	3848.536782469697	3636.376782469697	3521.6694474736	3519.328992210765	79.736439898911
61	223	164341	-33134.1413	398917.3170250766	39.44783785858214	-101.972167	372040.7685576395	4370692.45202045	3847.354202773122	3634.894161256056	3518.816714262056	3519.328992210765	79.736439898911
62	223	164342	-33068.1413	398917.3170250766	39.4478604937343	-101.9698314	372041.8793139025	4370688.33692055	3847.132729813472	3633.30967204376	3518.382016291307	3519.328992210765	79.736439898911
63	223	164343	-33002.1413	398917.3170250766	39.447883470572554	-101.9674957	372042.98463805213836	4370684.22177702	3832.934552	3631.793197465451	3518.058457073167	3519.328992210765	79.736439898911
64	223	164344	-32936.1413	398917.3170250766	39.44790615655515	-101.96516	372043.86892005615	4370680.15034044	3830.726858825095	3630.428932540536	3517.828983304095	3507.547913390213	79.736439898911
65	223	164345	-32870.1413	398917.3170250766	39.44792811122216	-101.9628243	372044.9558338373	4370675.989	3828.5196589249	3628.77897573354	3516.728973466567	3507.547913390213	79.736439898911
66	223	164346	-32804.1413	398917.3170250766	39.44794951647283	-101.9604486	372045.24820629912	4370671.873	3826.31147374289	3627.235621305877	3516.81349646595	3507.547913390213	79.736439898911
67	223	164347	-32738.1413	398917.3170250766	39.4479708667074	-101.958171	372046.3505471898	4370667.2789852	3824.56932474086	3624.398278108637	3514.922561427362	3507.547913390213	79.736439898911
68	223	164348	-32672.1413	398917.3170250766	39.447993205447	-101.9558117	372047.468551486777	4370663.61703433	3822.3382751458768	3622.3382751458768	3514.77249565626	3514.77249565626	79.736439898911
69	223	164349	-32606.1413	398917.3170250766	39.4480176182579	-101.9534814	372048.56247469334	4370659.52632221	3825.755701946105	3622.758646	3513.214501623044	3515.851020425452	79.736439898911
70	223	164350	-32540.1413	398917.3170250766	39.44803991171064	-101.9511457	372049.62573503583	4370655.41158202	3825.974932434243	3621.295194149944	3511.36408396267	3511.36408396267	79.736439898911
71	223	164351	-32474.1413	398917.3170250766	39.44806213647903	-101.94881	372050.738913979	4370651.36593035	3826.66237019569	3619.851433365793	3509.046725439245	3507.929633217335	79.736439898911
72	223	164352	-32408.1413	398917.3170250766	39.44808431613083	-101.9464742	372051.843978576	4370647.18419734	3827.321485704501	3618.429097662011	3506.347759069899	3507.929633217335	79.736439898911
73	223	164353	-32342.1413	398917.3170250766	39.44810629912216	-101.9441385	372052.9564087454	4370643.668892698	3826.46932474086	3617.92849210716	3504.6226372105976	3504.62263721059	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVtLgKrg.ft	BRELEVtHtKrg.ft	SatHtLgKrg.ft	SatHtBoth.ft
121	223	164431	-271941.1413	39.981971370250766	39.446693936903955	-01.7619478	262341.4432296729	4730322.77663959	3987.17442204941	3883.911604632705	3349.242553988108	3456.3365009147587	14.56905064459716	37.47510371794524
152	223	164432	-272181.1413	39.981971370250766	39.446971250710225	-01.759612	26242.5265856602	4730318.67860203	3596.01596504307	3492.214786257256	3346.548140424336	3466.12264429712632	14.6666478128202	66.0921435963713
153	223	164433	-272621.1413	39.981971370250766	39.449701310250766	-01.7540031	26256.1200849988	4730298.698176841	3545.263981675611	3490.538452798468	3345.622062980425	3456.029629804045	14.60897730730696	92.0680030037426
154	223	164434	-269961.1413	39.981971370250766	39.44974951214052	-01.7540031	262944.698804414	4730310.45131896	3590.505017011247	3489.057456259876	3342.20966798871	3466.33525291293	14.6666772699272	17.8480135266926
155	223	164435	-269301.1413	39.981971370250766	39.449767946979875	-01.7526045	263145.7835262405	4730306.385739731	3588.051275613456	3486.5612756110677	3343.091396650728	3352.331425905177	14.4686799609506	135.2284947058996
156	223	164436	-268641.1413	39.981971370250766	39.4497673669947	-01.7520686	263346.86081766837	4730302.28853154	3589.06191570314	3484.378423218036	3343.378423218036	3349.526513	14.6176753085106	136.53457811526414
157	223	164437	-267981.1413	39.981971370250766	39.44980486129919	-01.7479328	26347.9522734139	4730298.19514148	3588.768186210743	3484.5847376227234	3343.64356685974	3346.332162080185	14.940820269292406	138.247140670495
158	223	164438	-267321.1413	39.981971370250766	39.44982298077905	-01.745597	263749.2539568825	4730316.4562075413	3588.624868610753	3483.131950135015	3343.955217304196	3342.91212505556	139.176679613063	140.21003762994542
159	223	164439	-266661.1413	39.981971370250766	39.44984122513901	-01.7435811	263850.1200849988	4730298.698176841	3545.263981675611	3491.8844935989884	3343.522173198422	3346.33525291293	14.60897730730696	142.0680030037426
160	223	164440	-266001.1413	39.981971370250766	39.44985944338805	-01.7409253	264151.2037406015	4730295.90180548	3586.66498820746	3489.26969321185	3343.075071882129	3321.132950950197	137.19641943005271	147.1769521316612
161	223	164441	-265341.1413	39.981971370250766	39.4498770650807	-01.7385895	264352.280766365	4730281.0056447115	3602.108947	3478.858445080365	3343.1634732032885	3327.135302302797	135.6347220474806	151.3762150253964
162	223	164442	-264681.1413	39.981971370250766	39.449895727508064	-01.7362536	264553.7015412743	4730277.709692478	3607.53142459744	3477.46243047753	3343.5613839817274	3322.986071510751	133.9014096062573	154.476381573070205
163	223	164443	-264021.1413	39.981971370250766	39.449913801388014	-01.7339178	264754.4530211455	4730273.183498776	3607.07993672959	3476.07993672959	3343.0206233232575	3320.886243059724	132.047312266986	155.193312266986
164	223	164444	-263361.1413	39.981971370250766	39.449931830147875	-01.7315819	264955.536579121	4730269.518	3601.345837616453	3474.71100691751	3345.281716252993	3319.57267679496	129.4220829219159	155.13373841228304
165	223	164445	-262701.1413	39.981971370250766	39.44994891378766	-01.7292481	265156.1030164775	4730265.43089844	3598.418899136234	3473.542530812745	3346.813748	3320.5961081509204	126.5404874065474	152.798126930431
166	223	164446	-262041.1413	39.981971370250766	39.44996775320725	-01.7269102	265357.7002	4730261.3279676	3589.48935257623	3472.009459647186	3340.325584091696	3323.698254073726	122.68346187281395	148.3102205734593
167	223	164447	-261381.1413	39.981971370250766	39.44998545705676	-01.7245744	265558.7821238493	4730257.23	3582.251076888736	3470.674967230913	3351.910890210524	3348.878350486266	118.7638970198672	127.16967167215227
168	223	164448	-260721.1413	39.981971370250766	39.4500034398588	-01.7222286	265759.8638	4730253.138350025	3573.753213850025	3469.3514415596234	3350.60286557135	3351.8834012684286	118.74315499982822	127.468042762525
169	223	164449	-260061.1413	39.981971370250766	39.450021287144836	-01.7199027	265960.9452038947	4730249.43965132	3565.16681287497	3468.037812	3348.813433408334	3350.8401788729976	119.22437822335587	127.107825419236
170	223	164450	-259401.1413	39.981971370250766	39.45003950518348	-01.7175669	266162.0265750019	4730244.9486159	3556.609703097409	3467.3433480544	3346.814275623027	3349.326711204255	117.40642176117936	127.1140632176117936
171	223	164451	-258741.1413	39.981971370250766	39.45006768101845	-01.715231	266363.107329216	4730240.85505455	3550.90536277277	3465.35622165993	3344.177203274657	3346.421705092475	121.258418893527	119.0229171586836
172	223	164452	-258081.1413	39.981971370250766	39.4501443589698	-01.7128952	266664.18803819847	4730236.76163216	3548.7340473253515	3464.1440250214	3340.998080832447	3342.76133934845	121.32292427432907	121.32292427432907
173	223	164453	-257421.1413	39.981971370250766	39.45019684711302	-01.7104312	266975.290551756	4730232.687987437	3538.76167818156	3458.76167818156	3342.85417818156	3342.85417818156	121.32292427432907	121.32292427432907
174	223	164454	-256761.1413	39.981971370250766	39.450110636134634	-01.7082234	266966.3491677983	4730228.574529109	3542.3199120167103	3457.51239999541	3343.202253191774	3334.418633679192	121.2701408436596	128.154635962818
175	223	164455	-256101.1413	39.981971370250766	39.45012718671335	-01.7058876	267167.4225255366	4730224.481287222	3538.753441774308	3460.290987547923	3342.07109917495	3326.218623727403	135.311193820524	135.311193820524
176	223	164456	-255441.1413	39.981971370250766	39.450146588578	-01.7035517	267368.5091075044	4730220.38253776	3537.4258991187193	3459.07884236446	3331.2942047210718	3313.7522069475	145.713679025728	155.466345884934
177	223	164457	-254781.1413	39.981971370250766	39.4501621	-01.7012159	267569.588732099	4730216.29547259	3535.2162945799	3527.9128421715	3301.680285232847	3315.752195146059	156.0416312842022	155.466345884934
178	223	164458	-254121.1413	39.981971370250766	39.4501794951584	-01.69888	267770.66812895914	4730212.20281213	3532.946079014623	3456.43051682068	3289.5310935334855	3289.39377264419	166.899423445831	167.0363397176497
179	223	164459	-253461.1413	39.981971370250766	39.45019684711302	-01.696542	267997.290551756	4730208.16403983	3528.76167818156	3454.8617818156	3342.85417818156	3342.85417818156	178.0137163814044	178.0137163814044
180	223	164460	-252801.1413	39.981971370250766	39.45021453396784	-01.6942083	268172.623890714	4730204.01820411	3524.83750540968	3452.83750540968	3342.85417818156	3342.85417818156	178.0137163814044	178.0137163814044
181	223	164461	-252141.1413	39.981971370250766	39.45023141566026	-01.6918782	268373.3040431834	4730195.925212839	3526.3629830209133	3452.49701392967	3340.11223840951	3347.67699118591	200.3853298334234	204.80226002707626
182	223	164462	-251481.1413	39.981971370250766	39.45024863225286	-01.6895366	268574.8324369584	4730198.83429858	3518.18609643608	3451.159719986806	3341.764080613	3329.873575369494	201.29427030619314	211.286144498567
183	223	164463	-250821.1413	39.981971370250766	39.450265803724754	-01.6872007	268776.1676160438	4730192.74255266	3516.245544545454	3449.8063043043094	3347.915329677014	3326.589591993693	201.89077133660794	203.2167091049044
184	223	164464	-250161.1413	39.981971370250766	39.45028230075865	-01.6848648	268977.139702692	4730187.61489048	3514.3041365434818	3448.437507840567	3327.75061983227	3326.969177644073	190.6889011	191.4686031964944
185	223	164465	-249501.1413	39.981971370250766	39.45030031130623	-01.682529	269178.2174965784	4730183.560331207	3514.3041365434818	3447.05579578305	3327.126456672508	3326.589591993693	190.6889011	191.4686031964944
186	223	164466	-248841.1413	39.981971370250766	39.4503170474151	-01.6801381	269379.469381724	4730179.469381724	3512.1328641420494	3445.8617818156	3342.85417818156	3342.85417818156	190.6889011	191.4686031964944
187	223	164467	-248181.1413	39.981971370250766	39.45033403840365	-01.6778752	269587.930426265	4730175.378640597	3510.9760065128	3444.26582734475	3328.352110569335	3328.6864130216	190.61467160220564	190.61467160220564
188	223	164468	-247521.1413	39.981971370250766	39.45035098427219	-01.6755214	269781.44952050666	4730171.28107822	3515.366527087404	3442.86504445535	3320.133752156583	3289.427567527395	152.7316712299666	152.7316712299666
189	223	164469	-246861.1413	39.981971370250766	39.4503678850198	-01.6731855	269992.5640675416	4730167.19778338	3514.756459504647	3441.66249944334	3296.1980410658107	3295.615929454593	145.2468638157317	145.846975155048
190	223	164470	-246201.1413	39.981971370250766	39.450384764064964	-01.6708496	270183.6036656285	4730163.10767283	3514.146739105535	3440.063173828112	3301.7833612753438	3301.7833612753438	138.2768125527467	138.2768125527467
191	223	164471	-245541.1413	39.981971370250766	39.45040155114991	-01.6685138	270384.679969867	4730159.071795908	3514.225129	3338.688273654187	3306.803276766635	3306.803276766635	138.2768125527467	138.2768125527467
192	223	164472	-244881.1413	39.981971370250766	39.45041831653384	-01.6661779	270585.7657063507	4730154.52860054	3514.9166445028	3437.281189504305	3305.95113676703	3305.95113676703	127.690052257007	127.690052257007
193	223	164473	-244221.1413	39.981971370250766	39.450435103840365	-01.6638412	270786.930426265	4730150.378640597	3512.1328641420494	3445.8617818156	3342.85417818156	3342.85417818156	127.690052257007	127.690052257007
194	223	164474	-243561.1413	39.981971370250766	39.45045171153852	-01.6615061	270987.9074410204	4730146.749620695	3510.9760065128	3444.26582734475	3328.352110569335	3328.6864130216	19	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.f	W.Lt.	BR/ElevLogKgf.f	BR/ElevBotKgf.f	SatHtLogKgf.f	SatHtBotKgf.f
27	223	164557	-188781.1413	398917.3170250766	39.51657845366754	-101.467625	287676.4274957854	3498908.064216692	3690.6970883394624	3288.1895626677115	3171.9658378594027	119.2574331487358	126.2237048038987
278	223	164558	-188121.1413	398917.3170250766	39.5166133853341	-101.465289	28777.4484947384	3498903.962404625	3458.5571681891307	3296.634272484617	3177.734784582915	118.8668142194663	126.1866136620505
279	223	164559	-187461.1413	398917.3170250766	39.516717627578	-101.462931	288078.54228619417	3498978.030800254	3458.915419137724	3295.00632484625	3178.452074326903	118.7230389862447	126.24897251688
280	223	164560	-186801.1413	398917.3170250766	39.516716289467	-101.460611	288279.5993070857	3498975.849403522	3455.769700588105	3293.5575858710545	3175.0657161844033	117.603489858367	126.3901588251778
281	223	164561	-186141.1413	398917.3170250766	39.5172927239004	-101.4582812	288480.65620468965	3498971.778214349	3454.36822323996	3292.0545018802273	3174.1676536264335	117.617313489185	126.333698842271
282	223	164562	-185481.1413	398917.3170250766	39.517242676181	-101.4559452	288681.712906739	3453.47826377937	3290.570387	3172.772768089012	3161.157684734818	117.7970136978903	126.4120723296066
283	223	164563	-184821.1413	398917.3170250766	39.517500860104	-101.4536092	288882.7693684146	3498973.634591178	3451.78933168245	3289.1025437689527	3171.371083743985	117.88868482538471	126.333698842271
284	223	164564	-184161.1413	398917.3170250766	39.5176770013464	-101.4512733	289083.8265153315	3498979.566	3449.5469930491636	3170.03511571860654	3157.743758252098	117.6113228109627	126.4120723296066
285	223	164565	-183501.1413	398917.3170250766	39.51776026935604	-101.4488734	289284.8615684575	3498975.49533414	3447.308042789177	3168.554527275674	3156.3341982698975	117.620864379442	126.4120723296066
286	223	164566	-182841.1413	398917.3170250766	39.51770279301294	-101.446014	289465.9374845127	3498974.425383452	3445.069104587274	3157.229010314595	3155.0980011308434	117.547240564881	126.4120723296066
287	223	164567	-182181.1413	398917.3170250766	39.5180052176661	-101.4442564	289686.9931	34989767.350029	3443.013405691812	3156.002915758167	3154.1192141985656	117.3530760187786	126.2367786159837
288	223	164568	-181521.1413	398917.3170250766	39.5181770540271	-101.4419294	289888.048658707	3498973.28072965	3442.3047467133619	3154.947461685386	3164.8129750444114	115.890667670029	127.0540782865947
289	223	164569	-180861.1413	398917.3170250766	39.51813003930894	-101.4395935	29008.103861673	3498959.216714117	3440.29018695748	3152.5413656948	3163.5464851615343	115.890667670029	126.01114256872726
290	223	164570	-180201.1413	398917.3170250766	39.518423791404	-101.4372575	290290.158871061	3498975.146835312	3440.1115813519035	3179.1476203027855	3162.4453450556528	116.6994165113273	126.0387261920241
291	223	164571	-179541.1413	398917.3170250766	39.51858473555011	-101.4349215	290491.372145243	3498975.517704479	3439.605456459965	3170.741226724043	3160.72895857292	115.923594424032	126.4305262483128
292	223	164572	-178881.1413	398917.3170250766	39.5186989	-101.432586	290692.2682719727	3498974.008835006	3439.6840411400765	3176.36852455768	3159.782429114259	114.954894868756	117.3136265893277
293	223	164573	-178221.1413	398917.3170250766	39.518792	-101.4302496	290883.322663743	3498974.304013793	3439.765418753184	3174.98057045183	3158.184918583612	114.954894868756	117.3136265893277
294	223	164574	-177561.1413	398917.3170250766	39.5189135953333	-101.4279136	291094.3784965927	3498973.87167422	3438.745512327991	3173.609033	3148.8319971209685	114.954894868756	117.3136265893277
295	223	164575	-176901.1413	398917.3170250766	39.51903477346725	-101.4255777	291295.43083089305	3498973.306336984	3438.2647083781175	3172.2343247626654	3156.564746305999	115.0070971780028	122.2264392818628
296	223	164576	-176241.1413	398917.3170250766	39.519151549866204	-101.4232417	291496.484606746	3498973.753288596	3437.602160960325	3170.823538503352	3155.41927707887948	120.3477413138274	126.4305262483128
297	223	164577	-175581.1413	398917.3170250766	39.5192577570178	-101.4209057	291687.537177063	3498972.667	3436.778531842638	3168.497597008826	3154.588607875599	115.0070971780028	116.969158733912
298	223	164578	-174921.1413	398917.3170250766	39.519359585948	-101.4189697	291888.5915435893	3498972.59970653	3435.5354450435705	3168.12741107116	3153.83309797014	115.0070971780028	116.969158733912
299	223	164579	-174261.1413	398917.3170250766	39.5194718716112	-101.4167231	292099.54467307696	3498972.532201417	3434.308427891757	3168.261522791373	3152.942847704987	115.0070971780028	116.969158733912
300	223	164580	-173601.1413	398917.3170250766	39.5195633930406	-101.4139878	292300.697663336	3498974.0562568	3433.41920533923	3165.35736	3152.347935767361	3151.363238824073	113.0478033549505
301	223	164581	-172941.1413	398917.3170250766	39.5197236324536	-101.4115618	292501.750416119	3498970.39802489	3429.208478827336	3164.029984	3151.697422082333	3151.235120510963	112.7846232235562
302	223	164582	-172281.1413	398917.3170250766	39.51980783202046	-101.4092259	292702.802664826	3498970.31194505	3428.96147042945	3162.6642829028497	3151.02585383504	3150.978064364376	111.6376915193459
303	223	164583	-171621.1413	398917.3170250766	39.5198794918	-101.4068989	292903.8551239357	3498972.264571748	3427.906354480347	3161.299689040146	3150.4877646387026	3150.68345	110.6119334004432
304	223	164584	-170961.1413	398917.3170250766	39.5201056639441	-101.4045339	293104.9075	3498968.198156425	3420.145640440327	3159.93634578308	3149.848024322001	3150.959102630718	109.7281624698284
305	223	164585	-170301.1413	398917.3170250766	39.5202217316284	-101.4022176	293305.96581873	3498968.13184855	3419.024987034512	3158.972762190345	3149.4538696050523	3149.4538696050523	109.7281624698284
306	223	164586	-169641.1413	398917.3170250766	39.520337356231	-101.3998819	293507.011130427	3498969.05594815	3417.62214136324	3158.241095511368	3148.74674201800	3148.74674201800	109.7281624698284
307	223	164587	-168981.1413	398917.3170250766	39.520453870534	-101.397546	293708.026636378	3498968.00151965	3416.534595591967	3155.843279	3147.56738991593	3147.749642155114	108.2753403259717
308	223	164588	-168321.1413	398917.3170250766	39.520569	-101.39521	293909.11394432	3498964.33469675	3415.71718888453	3154.771901766417	3146.77068856143275	3146.77068856143275	107.6033292036991
309	223	164589	-167661.1413	398917.3170250766	39.5206838015505	-101.392874	294110.1651229887	3498967.8691185	3399.6941218438	3153.12505694575	3145.8105273369314	3146.058831465296	107.3619733557861
310	223	164590	-167001.1413	398917.3170250766	39.5207982891818	-101.390538	294311.21604914253	3498964.80420916	3395.281635442326	3151.747399459307	3144.949169160454	3145.388367176082	106.359341794885
311	223	164591	-166341.1413	398917.3170250766	39.5209124269666	-101.388202	294512.2667732878	3498963.59979685	3390.4049340185403	3150.38149139707	3143.9548917166686	3145.448106	104.9350433807472
312	223	164592	-165681.1413	398917.3170250766	39.52102576161	-101.385886	294713.71295303	3498965.67401187	3388.02497738105	3150.24049870454	3142.94130115251106	3142.94130115251106	103.7020702895507
313	223	164593	-165021.1413	398917.3170250766	39.5211338088081	-101.383429	294914.3676163764	3498961.60973732	3387.756115718587	3147.660513495782	3142.081099596127	3142.081099596127	102.2538123036816
314	223	164594	-164361.1413	398917.3170250766	39.52125114128649	-101.3811941	295115.4177357299	3498965.54541231	3387.429555313626	3146.30487038033	3141.28176053863	3144.9509244531228	105.0230675172459
315	223	164595	-163701.1413	398917.3170250766	39.5213635665783	-101.3788581	295316.467538961	3498961.88127649	3371.600732539329	3144.552525	3140.372616437502	3141.07176656106	101.8532329109492
316	223	164596	-163041.1413	398917.3170250766	39.5214752672485	-101.3765221	295517.51737108704	3498964.4735238	3371.2697137299942	3144.612903464478	3141.63209844003	3140.1330391985928	101.980805145479
317	223	164597	-162381.1413	398917.3170250766	39.5215868875751	-101.3741861	295716.568875075	3498965.35834332	3370.93896972737	3144.275798330513	3141.36872989657	3140.63968430942	101.9092035252072
318	223	164598	-161721.1413	398917.3170250766	39.521697166519	-101.3718702	295918.612033463	3498961.29011866	3370.450452134147	3143.71138610208	3140.529637482616	3140.333632402613	100.6133585886516
319	223	164599	-161061.1413	398917.3170250766	39.521808719619	-101.369578	296124.728186776	3498962.72841756	3369.7561633899	3143.285481989678	3142.318731871788	3141.9919190887	99.7819190887
320	223	164600	-160401.1413	398917.3170250766	39.5219175160579	-101.367192	296321.7142341514	3498963.16370788	3378.94100591706	3142.93054750254	3143.913298	3141.84718427486	97.3272492
321	223	164601	-159741.1413	398917.3170250766	39.5220270064419	-101.3648422	296522.7629	3498961.00381259	3368.440694	3143.69155	3143.6075119181346	3138.8647545031112	100.38407379144528
322	223	164602	-159081.1413	398917.3170250766	39.52213600054776	-101.3625062	296723.81146514567	34989625.038	3367.278495731745	3143.287556718376	3143.71731306193	3137.7956021033742	97.9470420664438
323	223	164603	-158421.1413	398917.3170250766	39.522245434308	-101.3601702	296924.85978122975	3498969.07561843	3363.46235413988	3143.374483539762	3143.3024315705481	3140.5016734378197	96.8530731914226
324	223	164604	-157761.1413	398917.3170250766	39.5223563530246	-101.3578342	297125.90789779	3498961.91406816	3362.17815330226	3143.3036361	3142.750723754574	3141.07176656106	95.5

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
400	223	164683	-105621.1413	398917.3170250766	35.452946592231434	-101.173289	3109.05699628681	4369296.648702627	3327.3755915562057	311.67170654177185	3032.242498213653	3031.795259656081	387.57559635322	89.82183576163743
404	223	164684	-103661.1413	398917.3170250766	35.45295379137326	-101.176093	313029.12759208876	4369292.60294311	3247.631551250616	311.48495649642364	3031.05719022897	3030.127057611933	88.5713835304305	89.75713835304305
408	223	164685	-103401.1413	398917.3170250766	35.4529604523921	-101.168617	313410.1634452014	4369295.374929564	3118.147138748466	3028.73538972474	3029.323271380156	3028.73538972474	88.41174911	88.41174911
408	223	164686	-103401.1413	398917.3170250766	35.45296054277025	-101.170629	313611.19491583225	4369295.512197857	3248.1714536227201	311.4063842722201	3028.366243085366	3028.409140235336	88.040143662535	87.91737097464774
407	223	164687	-102981.1413	398917.3170250766	35.45297511804331	-101.163949	313812.2272	4369290.467109702	3246.598053	311.6616584343124	3026.843897956655	3026.46630690954	87.81776047755743	86.1953474335629
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409	223	164689	-101661.1413	398917.3170250766	35.45298911019366	-101.1592728	314214.29123478063	4369272.37753312	3238.7125991871367	3025.903596171683	3027.258684056467	3027.258684056467	87.25785452996843	83.9022241449004
410	223	164690	-101001.1413	398917.3170250766	35.45299603851992	-101.156938	314515.3229776273	4369273.33809506	3236.274304306326	3109.40264646078	3022.726905787095	3022.726905787095	82.9713786884942	82.9713786884942
411	223	164691	-100341.1413	398917.3170250766	35.45300291849495	-101.154607	314616.354589227	4369284.268824349	3235.54269510652	3107.640996	3021.4686273891547	3021.4686273891547	86.1729681925942	86.1729681925942
412	223	164692	-99691.1413	398917.3170250766	35.45300975997447	-101.1525247	314817.385918962	4369290.24768423	3252.2282574893	3104.758465396266	3020.22735805529	3021.853355019013	85.65470744567154	78.29307304
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414	223	164694	-98361.1413	398917.3170250766	35.4530233008649	-101.1475926	315219.484136128	4369292.157278189	3220.4815147133377	3102.3534545926227	3017.5369505997012	3026.452717273684	84.8141943	75.0109831625432
415	223	164695	-97701.1413	398917.3170250766	35.4530300362122	-101.1452566	315420.479	4369248.11382461	3225.8914728373234	3100.5914728373234	3016.699743212241	3027.18237163079	83.8791296031438	76.46235865297638
416	223	164696	-97041.1413	398917.3170250766	35.45303661254569	-101.1429205	315621.099370676	4369240.07612298	3220.693074789467	3098.83074789467	3015.994595691651	3021.69630516033	82.8434911	77.13406827114119
417	223	164697	-96381.1413	398917.3170250766	35.45304327357589	-101.1408545	315822.5400755005	4369240.07692918	3205.50175989811	3097.0719875751337	3015.56857581483	3021.69630516033	81.5031209665636	76.67537051
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420	223	164700	-94401.1413	398917.3170250766	35.453062840514654	-101.1335763	316424.63055888435	4369227.899763215	3182.4941126981132	3091.85969	3018.8633060460497	3021.000823223308	72.9691367	70.859306591527
421	223	164701	-93741.1413	398917.3170250766	35.45306927251441	-101.1312403	316626.6603169179	4369223.857764335	3172.34193281733	3100.12490596147	3018.99462527541	3019.988890348279	71.1549980686033	70.1535812741806
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423	223	164703	-92421.1413	398917.3170250766	35.45308200113557	-101.1265682	317028.719295603	4369215.774	3155.35658919517	3086.357138165576	3013.1197553462872	3009.173503010105	73.2411984072032	77.18358306045259
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425	223	164705	-91101.1413	398917.3170250766	35.4531171224066	-101.121878	317450.711292969	4369207.06864621	3147.134872116737	3081.73146878454	3013.73146878454	3007.73146878454	70.723282	71.0585158261056
426	223	164706	-90401.1413	398917.3170250766	35.45313075521215	-101.1195601	317631.8042326135	4369203.64965843	3144.814132852307	3080.551650544844	3015.381289194333	3005.245201700576	70.536712061517	73.906343490858
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432	223	164712	-86481.1413	398917.3170250766	35.45313707	-101.105478	318837.9573550474	4369179.40701983	3169.730717446157	3069.75325514115687	3007.83146878454	3007.83146878454	64.7829971765043	75.7050432
433	223	164713	-85821.1413	398917.3170250766	35.45314293670936	-101.1032077	319039.034948909	4369175.763733296	3162.148774185984	3067.5352611442822	3000.877892612676	2994.90447804442	66.6673653160615	72.5947813384041
434	223	164714	-85161.1413	398917.3170250766	35.45314878203025	-101.1008717	319240.0306932226	4369171.327812034	3205.93741052784	3065.7306714052743	2998.12290420976	2993.500519591697	67.6008419999805	72.2297514535714
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438	223	164718	-82521.1413	398917.3170250766	35.4531711224066	-100.91879	320044.1385417843	4369151.71292969	3211.134872116737	3059.73146878454	2987.5947157671126	2987.5947157671126	70.723282	71.0585158261056
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441	223	164721	-80541.1413	398917.3170250766	35.45318876009214	-100.8645193	320647.2181971876	4369145.07010352	3214.73955149513095	3053.518041215783	2985.065629625175	2985.14715861538	68.40647415906077	68.36446550044041
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443	223	164723	-79221.1413	398917.3170250766	35.4531993595055	-100.799472	320949.2702009657	4369134.981495787	3218.2462841901727	3050.1769632561277	2982.68606995048	2982.952457312015	67.4934526072305	67.2247125492619
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445	223	164725	-77901.1413	398917.3170250766	35.453209146891041	-100.751678	321465.3229776273	4369124.66948621	3215.134872116737	3047.73146878454	2980.5398191367	2980.5398191367	66.671494481804	66.671494481804
446	223	164726	-77241.1413	398917.3170250766	35.45321540487849	-100.728391	321662.3562325812	4369122.86977153	3215.1130773504455	3045.31740119633	2980.644631306997	2979.23715593048	66.322881103307	66.0779418122502
447	223	164727	-76581.1413	398917.3170250766	35.4532206520674	-100.70503	321863.3717289447	4369118.83242792	3212.78877					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
529	223	164809	-22461.14133	398917.3170250766	39.453498314077635	-00.8789457	338263.86276553676	4368788.51431343525	304.87554068248	2919.0597621693842	2857.687062565198	2864.8922421770794	61.37269990415006	54.16733999226881
530	223	16480	-21801.14133	398917.3170250766	39.453499627276744	-00.8789696	338537.87420003746	4368794.49458155	303.853136476317	2917.204375205287	2854.76705376206	2863.967678	62.5564017582784	53.4562590768566
531	223	16481	-21141.14133	398917.3170250766	39.453501263498164	-00.8742276	338738.949695160354	4368790.475643698	303.7148658767034	2905.213310938116	2851.61593918962	2864.789494589009	62.7338723137101	54.806536821584
532	223	16482	-20461.14133	398917.3170250766	39.453502718294125	-00.8719753	338939.896569945	4368776.4557729318	303.859562051081	2913.859562051081	2852.38679644584	2859.356287	64.0477679454239	54.50327719075875
533	223	16483	-19821.14133	398917.3170250766	39.453504006112441	-00.8696014	339140.90766480174	4368776.43661662	304.61175407161	2912.130472224065	2853.409309870337	2863.6776776702445	61.7261426299318	48.45279558382057
534	223	16484	-19161.14133	398917.3170250766	39.453505428803744	-00.8672564	339341.91837317443	4368768.418	304.2113968191232	2910.4018204358335	2855.437767258581	2865.0443045302673	54.9640031502457	45.3751590234083
535	223	16485	-18501.14133	398917.3170250766	39.453506716368125	-00.864293	339542.920265579	4368764.39000123	304.294139136823102	2908.673012823743	2856.129826141965	2863.531172414204	52.543186681778025	45.14184004551146
536	223	16486	-17841.14133	398917.3170250766	39.45350759880554	-00.862932	339743.93266562	4368760.35002531	304.6349057816556	2894.091225	2858.6171764397284	2862.852382343563	43.2859383435453	43.2859383435453
537	223	16487	-17161.14133	398917.3170250766	39.4535091561161	-00.8602571	339944.949695160354	4368756.36220808	303.859562051081	2914.859562051081	2855.788671724626	2863.537711962614	54.03464222076522	43.2859383435453
538	223	16488	-16521.14133	398917.3170250766	39.45351032096514	-00.8579121	340145.9605130815	4368752.34120545	303.859562051081	2903.481423293652	2849.05738687542	2861.505423293652	54.1377472612076	51.9755008778563
539	223	16489	-15861.14133	398917.3170250766	39.4535111535607	-00.85585	340346.9780228676	4368748.3263387	304.688552073694	2901.7456501143624	2846.29630934327	2848.2196615257944	53.6030020030434	53.6280954856799
540	223	16490	-15201.14133	398917.3170250766	39.4535124728564	-00.8532489	340547.979583044	4368744.308661372	303.0609193162004	2900.010744685697	2843.424276152382	2845.6503616287036	56.5857831627776	54.35971283995604
541	223	16491	-14541.14133	398917.3170250766	39.4535134940825	-00.8509128	340748.9896757537	4368740.29108943	302.8715130999493	2898.272342310911	2840.467082956683	2842.40283086649	56.801435522744	55.87034934226196
542	223	16492	-13881.14133	398917.3170250766	39.45351446576391	-00.848578	340949.9942629595	4368736.27362044	302.8339615891896	2896.541515891896	2837.242164031816	2837.990416560061	59.2923516800242	58.5510993318758
543	223	16493	-13221.14133	398917.3170250766	39.453515392312596	-00.8462407	341151.008568443	4368732.25676363	302.831796947915	2892.632496692593	2835.53496969886	2836.12560367513	60.5912997113556	60.5912997113556
544	223	16494	-12561.14133	398917.3170250766	39.45351627373431	-00.843904	341352.0176169173	4368728.23908793	302.95100898308	2890.054982147	2829.41713329019	2830.238972897146	63.6876301224509	62.870079450003
545	223	16495	-11901.14133	398917.3170250766	39.45351711002942	-00.841568	341553.0271115156	4368724.232325425	302.93222235969	2891.405614135466	2824.504593367378	2825.366819461704	65.0102909106878	66.03679467376146
546	223	16496	-11241.14133	398917.3170250766	39.45351790119718	-00.8392325	341754.7001773875	4368720.36801353	301.079323700791	2889.72207574864	2818.709911474869	2819.622803403067	71.0121590591170	70.0996054
547	223	16497	-10581.14133	398917.3170250766	39.4535186415774	-00.8369864	341955.404	4368716.19057164	300.752424802516	2888.055638995716	2812.81796660515	2816.955122260951	75.2376824345568	75.0003316382049
548	223	16498	-9921.14133	398917.3170250766	39.45351934817379	-00.8345603	342156.053125581	4368712.175	302.591141559872	2886.40511888246	2807.2500142213765	2810.39302876735	79.15510476	79.455730751094
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551	223	16501	-7941.14133	398917.3170250766	39.453521263498164	-00.8275251	342752.11236464	4368700.475643698	302.859562051081	2882.685409373827	2805.85490573827	2805.722597892827	84.24038532355	84.24038532355
552	223	16502	-7281.14133	398917.3170250766	39.45352170053707	-00.825216	342950.086	4368696.11246518	302.859562051081	2879.912874808675	2809.022074909118	2809.15705295762	86.7907958257576	86.7907958257576
553	223	16503	-6621.14133	398917.3170250766	39.45352217581594	-00.82288	343161.0944387879	4368692.0945925	302.859562051081	2878.30349594304	2811.343273381663	2811.588925049484	86.960111224	86.960111224
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555	223	16505	-5301.14133	398917.3170250766	39.45352290992774	-00.8182078	343563.1097432639	4368684.06004073	302.92441130776	2876.07244287404	2815.76842579139	2815.76842579139	95.5104017091565	95.5104017091565
556	223	16506	-4641.14133	398917.3170250766	39.45352330807074	-00.8158717	343764.11761808	4368680.03875061	302.829968490175	2873.4784151668573	2816.72723154273	2817.041807748217	96.571178012584205	96.571178012584205
557	223	16507	-3981.14133	398917.3170250766	39.4535239561646	-00.8135337	343965.124441059	4368676.38919409	302.831796947915	2871.86712394132	2816.715198349824	2816.715198349824	97.651198349824	97.651198349824
558	223	16508	-3321.14133	398917.3170250766	39.4535244505205	-00.8111994	344174.13156204	4368672.51251424	302.859562051081	2870.45233651928	2815.642231489415	2815.642231489415	98.54831025477224	98.54831025477224
559	223	16509	-2661.14133	398917.3170250766	39.45352479822564	-00.808863	344367.138537957	4368668.01791386	301.85356941671	2868.634899761256	2813.38671785909	2813.515310992627	99.51588210621655	99.51588210621655
560	223	16510	-2001.14133	398917.3170250766	39.45352492129254	-00.8065275	344568.1454	4368663.998	301.826393839757	2867.13623713076	2811.3656171409996	2811.76234054856	100.5827384302796	100.5827384302796
561	223	16511	-1341.14133	398917.3170250766	39.453524347553	-00.8041914	344769.15202313825	4368665.94808817	301.874130736193	2865.38946474028	2810.215865050196	2810.632101401368	101.57399693831875	101.57399693831875
562	223	16512	-681.14133	398917.3170250766	39.45352442611544	-00.8018553	344970.1584201584	4368659.9716517	301.874826314033	2863.76162541156	2810.44635	2810.44635	102.523467134614	102.523467134614
563	223	16513	-11.14133	398917.3170250766	39.4535244505205	-00.7995192	345117.1649107026	4368651.95898973	301.843195453422	2862.177179951865	2812.38351952859	2813.051738927082	103.4719867109564	103.4719867109564
564	223	16514	538.85867303514	398917.3170250766	39.4535244505205	-00.7971832	345272.171236464	4368647.94585408	301.843195453422	2862.177179951865	2812.38351952859	2813.051738927082	104.45124087878321	104.45124087878321
565	223	16515	1298.85867303514	398917.3170250766	39.4535245925762	-00.7948471	345573.171981863	4368643.93412282	301.843195453422	2862.177179951865	2812.38351952859	2813.051738927082	105.4719867109564	105.4719867109564
566	223	16516	1958.85867303514	398917.3170250766	39.4535247485966	-00.792511	345774.1831138817	4368639.301076472	301.836351606364	2857.19913963375	2807.274855124326	2807.274855124326	106.4923807390414	106.4923807390414
567	223	16517	2618.85867303514	398917.3170250766	39.45352491386726	-00.7901749	345975.188887174	4368635.9085497	301.80252601398	2856.40522601398	2806.7485437615	2806.7485437615	107.4923807390414	107.4923807390414
568	223	16518	3278.85867303514	398917.3170250766	39.4535238897069	-00.7878389	346176.194507598	4368631.92070284	301.804335702616	2853.891312311937	2806.8427078078243	2806.8427078078243	108.4923807390414	108.4923807390414
569	223	16519	3938.85867303514	398917.3170250766	39.4535236430708	-00.785028	346377.19997393833	4368627.885	301.804335702616	2853.891312311937	2806.8427078078243	2806.8427078078243	109.4923807390414	109.4923807390414
570	223	16520	4598.85867303514	398917.3170250766	39.45352335112798	-00.7831667	346578.2050210277	4368623.874	301.804335702616	2853.891312311937	2806.8427078078243	2806.8427078078243	110.4923807390414	110.4923807390414
571	223	16521	5258.85867303514	398917.3170250766	39.45352305739128	-00.7813446	346779.21610277	4368619.381924	301.804335702616	2853.891312311937	2806.8427078078243	2806.8427078078243	111.4923807390414	111.4923807390414
572	223	16522	5918.85867303514	398917.3170250766	39.453522743198724	-00.7794867	346980.226210117	4368615.851372891	301.804335702616	2853.891312311937	2806.8427078078243	2806.8427078078243	112.4923807390414	112.4923807390414
573	223	16523	6578.85867303514	398917.3170250766	39.45352240276355	-00.7776158	347181.220373978	4						

ix	iy	ic	X.Fr	Y.fr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.fr	W.Lt.	BRElevBothK.gr	BRElevBothK.fr	SatHtKos.gr	SatHtBoth.fr
652	223	164936	6358.8586730335	398917.3170250766	-05.453333062446689	-05.58460808	63663.1358475694	438283.244440741	2853.644018688703	26.9511104484997413	2633.9312403608987	2645.23980041155857	61.71920813904266	49.876044908415662
656	223	164936	6135.8586730335	398917.3170250766	-05.453329429657316	-05.5822468	33684.12914186984	438627.650548119	2848.1168965854596	2693.340417913212	2630.704176800844	2634.5430658976812	63.63620225486325	58.79732548555726
657	223	164937	6578.8586730335	398917.3170250766	-05.45326521174115	-05.7289287	36405.1222923344	438261.559869023	2842.589721042196	2691.82629113861917	2627.609978381467	2638.59749649097	63.728495849897	52.88452491937446
658	223	164938	6267.8586730335	398917.3170250766	-05.4532004869834	-05.7572927	36426.157376674	438627.61637436	2845.001272180793	2693.367729150874	2625.4462174239874	2638.15149075816	64.1921487182648	51.6852053968704
659	223	164938	6338.8586730335	398917.3170250766	-05.45331664052896	-05.5725266	364467.10823997343	4386267.670097356	2836.0251353506876	2688.098199210028	2635.752203185972	2632.099076740317	64.345969602	55.99912246971098
660	223	164940	6399.8586730335	398917.3170250766	-05.4533122873297	-05.7272025	364668.101	4386263.71	2830.473265004476	2682.80385826949	2622.80356373735	2630.7473064796072	63.545623203473735	55.616821
661	223	164941	6465.8586730335	398917.3170250766	-05.4533078888104	-05.7058845	364869.039534348	4386289.681547624	2842.93276516533	2682.2567516533	2622.425514780416	2632.099076740317	64.345969602	55.99912246971098
662	223	164942	6531.8586730335	398917.3170250766	-05.45330344525126	-05.568284	365070.08616519796	4386255.25814874052	2846.362879329613	2682.9037461123202	2627.6703445430856	2631.45219671474863	60.2203713611072	55.616821
663	223	164943	6578.8586730335	398917.3170250766	-05.45329985985554	-05.5699124	365251.0784572554	4386255.25814874052	2846.362879329613	2682.9037461123202	2627.6703445430856	2631.45219671474863	60.2203713611072	55.616821
664	223	164944	6597.8586730335	398917.3170250766	-05.45329442278331	-05.5635763	365472.7067598162	4386247.7067598162	2846.362879329613	2682.9037461123202	2627.6703445430856	2631.45219671474863	60.2203713611072	55.616821
665	223	164945	6729.8586730335	398917.3170250766	-05.4532984385447	-05.5612042	365673.06293208244	4386243.714716964	2836.2661281709518	2677.7003020067357	2625.847381770287	2630.7473064796072	63.545623203473735	55.616821
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667	223	164947	6861.8586730335	398917.3170250766	-05.45328055061725	-05.5565681	366075.8467525285	4386235.731	2832.5089272389056	2674.29953849476	2626.509250688479	2626.38605730952	61.71920813904266	49.876044908415662
668	223	164948	6927.8586730335	398917.3170250766	-05.4532758630887	-05.5542321	366276.7038319168	4386231.74	2830.210969501055	2672.5902373088494	2626.7817737397223	2631.45219671474863	60.2203713611072	55.616821
669	223	164949	6993.8586730335	398917.3170250766	-05.45327176873946	-05.551896	366477.03071273115	4386227.74855233	2845.912686610325	2670.884534208179	2628.334675101912	2621.505315425256	64.5989928963109	49.37871666254224
670	223	164950	7059.8586730335	398917.3170250766	-05.45326927123126	-05.549559	366678.7012671679	4386223.7573221	2852.614586516705	2669.17882745454	2631.447951707306	2620.2932085428997	61.71920813904266	49.876044908415662
671	223	164951	7125.8586730335	398917.3170250766	-05.45326142262462	-05.5472238	366879.012598596	4386219.76666498	2855.755001967115	2667.4698965619395	2630.6162781881895	2632.69014372034	61.71920813904266	49.876044908415662
672	223	164952	7191.8586730335	398917.3170250766	-05.4532587821021	-05.5448878	367080.0418295583	4386215.7107511	2855.33393651291	2665.748262951296	2641.791623117537	2636.629720176007	61.71920813904266	49.876044908415662
673	223	164953	7257.8586730335	398917.3170250766	-05.45325518	-05.5425518	367280.984	4386211.78565211	2854.9128796354	2664.20035345474	2648.85254455317	2640.670556315874	61.71920813904266	49.876044908415662
674	223	164954	7323.8586730335	398917.3170250766	-05.45324660279952	-05.5402157	367481.9863402795	4386207.7543624	2862.210316277444	2666.9980023889743	2645.54830751026	2641.791623117537	61.71920813904266	49.876044908415662
675	223	164955	7389.8586730335	398917.3170250766	-05.45324157	-05.5378797	367682.9771896436	4386203.80543399	2853.58410520305	2667.36746380539	2644.902203051247	2651.32713071648	0	8.99533803725465
676	223	164956	7458.8586730335	398917.3170250766	-05.45323649725643	-05.535436	367883.9614002234	4386201.85151625	2852.1805013315	2668.746654407976	2647.593289361016	0	13.0862964485618	
677	223	164957	7528.8586730335	398917.3170250766	-05.453231045367	-05.532839	368087.92468447	4386195.8281987	2851.28282912913	2669.1380016111325	2650.541884797538	0	42.800375024054	
678	223	164958	7578.8586730335	398917.3170250766	-05.45322621125651	-05.530875	368285.94	4386191.8363802	2849.73585395922	2654.6112820229628	2648.405174535294	2608.15018047347	0	46.1017620192
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680	223	164960	7719.8586730335	398917.3170250766	-05.45321574474009	-05.5261964	368687.929462859	4386183.54859377	2845.543695221062	2650.712912675031	2626.544981796079	2602.5555491159944	24.16730307895212	48.157363590364
681	223	164961	7785.8586730335	398917.3170250766	-05.45321044378773	-05.5238633	368888.9186787637	4386179.869697121	2846.760094667112	2618.277852711031	2601.974386590545	2604.367156598128	46.1017620192	48.157363590364
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684	223	164964	7981.8586730335	398917.3170250766	-05.453194271071239	-05.5168532	369491.889797134	4386165.901	2837.95333650022	2642.91380016111325	2609.81869924795	2602.73534403547519	42.44514173276768	42.44514173276768
685	223	164965	8049.8586730335	398917.3170250766	-05.45318878714537	-05.5145191	369692.876552624	4386163.9281033	2836.62058282485	2641.031693274238	2609.750512446814	2601.834446973548	42.44514173276768	39.1972463009004
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687	223	164967	8181.8586730335	398917.3170250766	-05.45317769041984	-05.509847	370094.854389183	4386155.42173592	2837.491459149277	2637.1942768763996	2594.969975470171	2597.6581203106	42.2430351	39.1972463009004
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689	223	164969	8313.8586730335	398917.3170250766	-05.4531661181982	-05.5051749	370496.85372686184	4386147.96677373	2836.66595893021	2633.071286957524	2591.03844649539	2593.06084742894	42.2954820739348	40.3092883796832
690	223	164970	8379.8586730335	398917.3170250766	-05.453161043684	-05.502839	370697.92468447	4386143.98	2835.28282912913	2630.7473064796072	2590.541884797538	2601.974386590545	41.40301132436696	39.1972463009004
691	223	164971	8445.8586730335	398917.3170250766	-05.45315495	-05.5005028	370888.8151815414	4386139.89389567	2834.654646773922	2629.555679634724	2591.7381335621785	2592.673767140034	42.2954820739348	40.3092883796832
692	223	164972	8511.8586730335	398917.3170250766	-05.45314915472564	-05.498168	371099.802280704	4386136.00554103	2831.71598770147	2627.650135854917	2593.611104714384	2594.7324955419	40.3092883796832	39.1972463009004
693	223	164973	8577.8586730335	398917.3170250766	-05.45314341250425	-05.4958307	371300.796144386	4386132.0222838	2827.85570676076	2625.742615036495	2590.254776583427	2590.254776583427	39.1972463009004	39.1972463009004
694	223	164974	8643.8586730335	398917.3170250766	-05.45313742409096	-05.4934947	371501.779277456	4386128.0409574	2824.5599027620033	2623.832522831822	2586.846195900735	2586.237081128512	36.989636283235	35.9564711540641
695	223	164975	8709.8586730335	398917.3170250766	-05.45313142818886	-05.4911598	371702.767173576	4386124.81827869	2821.9189521497888	2583.66057486293	2588.07541828673	2588.07541828673	33.8432103111575	33.8432103111575
696	223	164976	8778.8586730335	398917.3170250766	-05.4531255434197	-05.4888226	371933.7558341567	4386120.06245414	2819.914871037953	2619.99956	2579.540016957025	2580.455295600575	32.6036074	32.6036074
697	223	164977	8844.8586730335	398917.3170250766	-05.453119256907	-05.486518	372144.96878967	4386116.9788967	2816.978896878967	2617.978896878967	2577.978896878967	2577.978896878967	31.533477788317596	31.533477788317596
698	223	164978	8907.8586730335	398917.3170250766	-05.453112326902	-05.4841055	372305.7319002165	4386112.01691217	2815.92056470766	2616.14178627613	2576.541263054056	2585.338613021765	49.2990081856725	36.88191424968914
699	223	164979	8978.8586730335	398917.3170250766	-05.									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatElevKgr.ft	SatElevBoth.ft
41	224	166061	-344541.1413	39357.7172025076	39.44918845470007	-102.0189114	2400224.69822550734	4370976.19142512	3838.389178597101	3662.64436736677	3562.002194	3586.3654600276604	360.6421728679958	76.27890733910635
42	224	166062	-343881.1413	39357.7172025076	39.44921198842302	-102.0169576	240426.8104834411	4370972.07266739	3834.900332653377	3661.287802503673	3560.368430975931	3583.1867323434824	360.919451133003626	76.1011489621427
43	224	166063	-343221.1413	39357.7172025076	39.4492547547128345	-102.0200254	241833.5891085217	4370943.185	3835.38992	3659.4276380602	3546.0873415789825	3539.9637113217505	360.932938312842	76.7291066811789
44	224	166064	-342561.1413	39357.7172025076	39.449259807	-102.0110041	240828.042812131	4370973.9501924	3839.887963916188	3658.546810161834	3556.565844786203	3576.7961122643402	360.9806536636303	76.7508087157313
45	224	166065	-341901.1413	39357.7172025076	39.44928321892926	-102.0095684	241029.4517528224	4370959.665	3844.375996460613	3657.159898068549	3562.6327830561968	3572.30032852026	360.93115012325218	76.855055778
46	224	166066	-341241.1413	39357.7172025076	39.449305671295244	-102.0072326	241230.2569	4370955.44839374	3848.864130056135	3655.760679	3553.01442523154122	3576.1613940294146	360.928235154122	76.89589505847529
47	224	166067	-340581.1413	39357.7172025076	39.44932880344646	-102.0048969	241431.3027626935	4370951.424607432	3851.728795478984	3654.3477628245923	3551.1611490050086	3557.9880489692025	360.18661381958373	76.96359132838899
48	224	166068	-339921.1413	39357.7172025076	39.44935234377471	-102.0025912	241632.478638077	4370947.400358039	3852.927582851474	3652.919695117383	3546.26588749301	3548.879735281187	360.16538073861958	76.10399583619598
49	224	166069	-339261.1413	39357.7172025076	39.44937545128345	-102.0020254	241833.5891085217	4370943.185	3854.211776285894	3651.4762380602	3546.0873415789825	3539.9637113217505	360.932938312842	76.7291066811789
50	224	166070	-338601.1413	39357.7172025076	39.449398634052769	-101.9975897	242034.69930750589	4370939.05168855	3855.453266844334	3650.01573234269	3543.71853619675	3532.23167158758593	360.29739266291	76.77565405
51	224	166071	-337941.1413	39357.7172025076	39.449421761752824	-101.9955538	242235.8095567497	4370945.57750525	3856.00412816867856	3649.57484458106	3541.598320122669	3531.91597498925	360.9458332924166	76.81167604615802
52	224	166072	-337281.1413	39357.7172025076	39.44944484	-101.9932182	242436.9185458064	4370930.82690773	3855.86462824038	3647.0719593746526	3539.490478503626	3531.53756046062	360.9514808142899	76.85343891459038
53	224	166073	-336621.1413	39357.7172025076	39.44946768178982	-101.9908824	242638.02839538892	4370926.707159995	3855.725036738418	3645.585646850566	3537.6186331786394	3532.523303298744	360.96993150642629	76.8733622145811
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55	224	166075	-335301.1413	39357.7172025076	39.44951382132669	-101.9862708	243040.265126302	4370918.470294962	3853.999914907686	3642.5973862718686	3533.711339961541	3539.4286933896284	360.8804631032467	76.90138273875702
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61	224	166081	-331341.1413	39357.7172025076	39.449650519716798	-101.9721963	244246.8947640934	4370893.73593989	3837.444097338974	3633.465697	3517.363639	3517.363639	360.91020586443008	76.91647474351012
62	224	166082	-330681.1413	39357.7172025076	39.44967319	-101.9698605	244448.0191849557	4370889.464269094	3835.162673359552	3631.303980421392	3517.5221549576117	3520.193508473233	360.914405243878045	76.917708958415902
63	224	166083	-330021.1413	39357.7172025076	39.449695827450978	-101.967429	244648.3382938961	4370882.92003871	3832.916771778034	3631.12115151934257	3517.74671641983	3519.1537654657417	360.91278472612152	76.92454093578284
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71	224	166091	-324741.1413	39357.7172025076	39.4498748408338	-101.9498388	246259.5494749093	4370852.601888565	3824.591605845857	3620.3800652531383	3510.23018848008	3515.8425281529173	360.9160774123305	76.9029630190191334
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73	224	166093	-323421.1413	39357.7172025076	39.449919156156064	-101.944167	246660.163639646	4370844.372107165	3826.45454028093	3615.575927803996	3504.1338241387466	3508.159927369778	360.911481825966299	76.91715733862163
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85	224	166105</												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
170	224	165187	-261381.1413	39567.7170250766	39.45179839393711	-101.7245974	265562.8851161172	437045.810648387	3576.4774506146623	3704.6043673033605	3349.644402534491	3335.387753838935	120.9599646688936	135.211661344642534
168	224	165188	-260701.14213	39567.7170250766	39.451816248073555	-101.7222619	265763.96569561234	437045.421118876	3568.9465563872248	3469.2923336744021	3349.5126756687471	3336.640481958702	125.65185771531902	135.211661344642534
169	224	165189	-260601.1413	39567.7170250766	39.4518692582742	-101.7091022	265891.96892582742	437045.33839196	3563.4156621563843	3467.90913307803	3348.646151	3352.18533891413	119.3435328194293	118.8501412665985
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171	224	165191	-258741.1413	39567.7170250766	39.45186925354336	-101.7152538	266367.2096505767	437042.138	3562.866185814697	3465.41923728892	3343.5637206825272	3346.456840849688	121.82520340663426	118.9589351992306
172	224	165192	-258081.1413	39567.7170250766	39.451887191804936	-101.7129179	266568.2900272198	437038.043492787	3551.362106	3464.1393125654854	3339.144797174279	3341.3005604270334	124.99451539120628	122.8375132484613
173	224	165193	-257421.1413	39567.7170250766	39.45190841483404	-101.710582	266769.3705334874	437043.394939717	3549.851285241235	3462.8825293319644	3334.1613944576147	3335.72458476147	128.70685847434397	127.12528123012042
174	224	165194	-256761.1413	39567.7170250766	39.45192239249153	-101.708261	266970.450256658	437039.856939179	3543.25248582176	3461.601216751326	3327.978103081717	3328.3376994341813	132.6320664469602	130.02512323011
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177	224	165197	-254781.1413	39567.7170250766	39.45197486523421	-101.7012383	267573.6895	437041.575	3538.764221555942	3458.38073253845	3299.1370820578923	3299.809682330018	156.8608652377923	157.994304983274
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182	224	165202	-251481.1413	39567.7170250766	39.45206139262075	-101.6895587	268579.0813670463	437037.114032833	3543.9701088335	3451.316234664408	3230.260963718	3227.6533679497707	221.051138272237	222.6628671462003
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185	224	165205	-249501.1413	39567.7170250766	39.4521127299036	-101.68251	269182.3166	437038.83926249	3540.340838419307	3447.22103132097	3265.082202710694	3264.49094789193	282.1388039922757	282.8312831210388
186	224	165206	-248841.1413	39567.7170250766	39.45212980536345	-101.680215	269383.3903396344	437038.74809517	3545.82676158026	3445.82676158026	3273.77373865161	3273.7262836	312.0530292510487	312.7563922662108
187	224	165207	-248181.1413	39567.7170250766	39.45214680909631	-101.6778791	269584.4710265163	437037.651725083	3537.535481955004	3444.4231103168	3281.784164682918	3281.155482	332.630483712493	332.630293043805
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193	224	165213	-244221.1413	39567.7170250766	39.45224071940125	-101.6638635	270790.9289985655	437035.21577644	3520.6482938811694	3436.01329210091	3308.01041236831	3308.01041236831	182.8562478470802	182.8562478470802
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196	224	165216	-242241.1413	39567.7170250766	39.4522979832093	-101.656857	271394.478925764	437039.847962764	3517.910498767474	3433.268779972468	3303.687948484673	3303.687948484673	151.92187188158	151.92187188158
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199	224	165219	-240261.1413	39567.7170250766	39.4523471785195	-101.6498479	271997.378827707	437037.527	3528.75615104847	3427.899258100883	3295.350800088224	3294.850372	163.0461780910608	163.0461780910608
200	224	165220	-239601.1413	39567.7170250766	39.45236336335449	-101.647512	272198.450105885	437033.43962237	3528.556610131417	3426.58004649736	3293.324276786135	3293.324276786135	173.25621971123064	173.25621971123064
201	224	165221	-238941.1413	39567.7170250766	39.452379943099031	-101.645176	272398.5269701819	4370319.40551671	3548.757759	3425.68582829574	3291.986127996024	3291.986127996024	133.283392967714	133.283392967714
202	224	165222	-238281.1413	39567.7170250766	39.45239654636278	-101.642891	272598.6028047213	437030.42894545	3548.757759	3425.68582829574	3291.986127996024	3291.986127996024	151.92187188158	151.92187188158
203	224	165223	-237621.1413	39567.7170250766	39.45241252713253	-101.6405401	272801.67431525834	437030.23049032	3548.757759	3425.68582829574	3291.986127996024	3291.986127996024	163.0461780910608	163.0461780910608
204	224	165224	-236961.1413	39567.7170250766	39.45242875147744	-101.6381682	273002.74076179536	437031.42628833	3546.09621055105	3421.35507197573	3287.651378155454	3288.503445505863	133.7037347940272	132.851572496977
205	224	165225	-236301.1413	39567.7170250766	39.45244834069976	-101.6358322	273203.826654317053	437030.05417053	3563.1547131921307	3420.480164484984	3285.8423139872034	3288.381474700646	124.2507025	131.6656817478538
206	224	165226	-235641.1413	39567.7170250766	39.452461064799486	-101.6334963	273404.89303682	437029.98431684	3562.212805324947	3418.7300576259963	3283.889728517767	3287.66065290957	134.8405347421958	131.065423350394
207	224	165227	-234981.1413	39567.7170250766	39.45247715377657	-101.6311064	273605.9651194423	437029.84816718	3561.222152323427	3417.40162482405	3283.68408919452	3283.68408919452	133.7037347940272	132.851572496977
208	224	165228	-234321.1413	39567.7170250766	39.45249316795308	-101.6288244	273807.3385120278	437029.76023145	3562.280439295977	3416.016191826193	3279.335252	3285.80538248447	136.7266674702615	130.255337764623
209	224	165229	-233661.1413	39567.7170250766	39.4525093682678	-101.6264912	274019.6186362678	437029.628103083	3562.280439295977	3416.016191826193	3279.335252	3285.80538248447	151.92187188158	151.92187188158
210	224	165230	-233001.1413	39567.7170250766	39.452525149971635	-101.624125	274209.182684755	437029.628103083	3562.280439295977	3416.016191826193	3279.335252	3285.80538248447	173.25621971123064	173.25621971123064
211	224	165231	-232341.1413	39567.7170250766	39.45254105845787	-101.6218166	274410.254352753	437029.76023						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKrg.ft	BREVELogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
293	224	163313	-178221.1413	193567.3712025076	39.453692	-101.4302653	290897.39815720014	4369994.196056571	3443.1320976048737	374.493662959902	3156.854935395315	315.47454931613325	117.638230683665	129.0187309865788
294	224	163314	-177561.1413	193567.3712025076	39.453704126330873	-101.4279293	29100.558452165329	4369940.12760375	3443.162085529616	373.117596467014	3155.800341427064	314.4630744624167	117.319725503946	126.8171428253457
295	224	163315	-176901.1413	193567.3712025076	39.45371628011202	-101.425893	291299.5058687782	4369953.95918668	3442.3360196332045	372.784339838307	3154.7670219216177	314.477470665303	116.90141401691304	124.0013698547772
296	224	163316	-176241.1413	193567.3712025076	39.45372025360683	-101.4232572	291500.5884564332	4369931.9906013160	3440.653980207360	372.307080501400	3153.659902077824	314.4605675599976	116.7203657231755	121.97393990914397
297	224	163317	-175681.1413	193567.3712025076	39.4537403808458	-101.4209212	291701.6128	4369927.9225317372	3438.97174963003	372.69143312562373	3152.5911040866334	314.48754731152248	116.4223207669387	120.2596001407925
298	224	163318	-174921.1413	193567.3712025076	39.453752635383234	-101.4185852	291902.6650485187	4369915.84569473	3437.6494077164767	372.61494077164767	3151.264152327096	314.48763171237204	116.3825504346508	118.4569838802631
299	224	163319	-174261.1413	193567.3712025076	39.45376030115679	-101.4162491	292103.7189295551	4369907.7807015519	3435.32566294166	372.6264899	3150.634823752104	314.4892128973348	115.6560635575946	117.2712535034314
300	224	163320	-173601.1413	193567.3712025076	39.45377619360519	-101.4139131	292304.7716323311	4369915.72	3433.079836414626	372.5327302737	3149.8115642462762	3149.1090910775735	115.109168207697	115.81713142966281
301	224	163321	-172941.1413	193567.3712025076	39.4537884092842	-101.4115771	292505.8242	4369911.65230368	3439.8340069866987	372.5563495243637	3148.075876283837	314.48735077129806	114.4652916819083	114.32437681140306
302	224	163322	-172281.1413	193567.3712025076	39.45379894	-101.409241	292706.764999193	4369907.58529987	3428.588185386973	372.5619159730856	3148.3715871753755	314.482756832164	113.8200154663506	113.93303686216
303	224	163323	-171621.1413	193567.3712025076	39.45381160019636	-101.406905	292907.9286	4369903.514854949	3425.543080178931	372.60287197638976	3147.7273510207588	314.4776312854173	113.0939648211727	112.9535847840284
304	224	163324	-170961.1413	193567.3712025076	39.45382312114701	-101.404569	293108.0589529252	4369995.4518595474	3421.698703475714	372.5594157450624	3147.065844532433	314.475670699946	112.3980730061912	112.11234414115997
305	224	163325	-170301.1413	193567.3712025076	39.45383497896939	-101.4022329	293310.0323	4369895.35851507	3417.854320515871	372.501434868027	3146.323058126132	314.4655391	111.7837647189504	111.4460438623691
306	224	163326	-169641.1413	193567.3712025076	39.4538466066654	-101.3999899	293511.0321999999	4369891.31	3409.814084962454	372.5378891324203	3145.5616914503175	314.4573062738356	111.7171998210274	110.812893838947
307	224	163327	-168981.1413	193567.3712025076	39.453858172728345	-101.3979609	29371.1831099999	4369887.253	3408.0502660015	372.5253721836362	3145.09540732614	314.4519303474763	110.2862489748719	110.0572033982872
308	224	163328	-168321.1413	193567.3712025076	39.4538697095486	-101.3952248	293913.1862217712	4369883.187427867	3405.205956443096	372.5241336635695	3144.4501245309328	314.4515679041137	109.5634178270204	109.4989871551782
309	224	163329	-167661.1413	193567.3712025076	39.453881195009055	-101.3928888	294114.231234336	4369878.121869251	3400.72410226177	372.525261927104074	3143.761570456618	3143.862235735467	108.88927705841206	108.7884183052716
310	224	163330	-167001.1413	193567.3712025076	39.45389263620187	-101.3905527	294315.287400106	4369875.057	3396.1785140029584	372.51290065512042	3143.085856784523	3143.300595335815	107.99896971532279	107.99896971532279
311	224	163331	-166341.1413	193567.3712025076	39.453904032277305	-101.3882167	294516.338473628	4369871.93126259	3391.3038448412276	372.49930390166827	3142.2506453577084	3143.0159689137307	107.67947480911835	106.413212350065
312	224	163332	-165681.1413	193567.3712025076	39.45391538231723	-101.3858807	294717.88502665	4369866.92648072	3386.100043220594	372.484529811585247	3141.3829705118465	314.43679411713105	107.1900106466787	105.0681074043323
313	224	163333	-165021.1413	193567.3712025076	39.4539266903917	-101.3835446	294918.4387510205	4369862.61660879	3380.896116110933	372.4721899162939	3140.6429184111483	314.44712619264747	106.5760788127969	102.5063723992432
314	224	163334	-164361.1413	193567.3712025076	39.45393794971134	-101.3812086	295119.488657629	4369858.79112715	3375.69231918737	372.4593761931877	3140.919282605734	314.47022860419274	105.905455660307	98.8470843359957
315	224	163335	-163701.1413	193567.3712025076	39.4540008125681	-101.3784593	295364.162502693	4369801.915359909	3368.07132796243	372.44793138715807	3140.0716851424981	314.4573671843561	102.1532783382513	94.7236481134941
316	224	163336	-163041.1413	193567.3712025076	39.453990335740003	-101.3765395	295521.587856478	4369806.6668478	3367.0507078679	372.4431890275967	3139.230713606955	314.4289046186093	100.9557745200147	90.29028047615571
317	224	163337	-162381.1413	193567.3712025076	39.45397161160573	-101.3742005	295722.615356208	4369846.064747991	3368.0564298165	372.44186534162074	3139.05815081036	314.4195779909315	100.5471937517126	90.7526807117593
318	224	163338	-161721.1413	193567.3712025076	39.45398254125293	-101.3718644	295923.6862533195	4369842.54103586	3367.43238088467	372.44052854326149	3138.340784269022	314.4178468992493	100.79256807164393	90.79256807164393
319	224	163339	-161061.1413	193567.3712025076	39.45399357631964	-101.3695284	296124.73151689	4369838.47735676	3368.01891026146	372.439204710600454	3138.254769905029	313.95894155991626	100.962106093737297	90.962106093737297
320	224	163340	-160401.1413	193567.3712025076	39.4540045662609	-101.3671923	296325.783495939	4369834.144224516	3367.559357406198	372.437885668690775	313.947496963417	313.970808178114894	100.8048408578806	90.8048408578806
321	224	163341	-159741.1413	193567.3712025076	39.4540159107963	-101.3648465	296526.8320471562	4369830.57078089298	3367.578798578521	372.436750708089298	313.9406816868956	313.9726718117327	99.72613585795712	90.72613585795712
322	224	163342	-159081.1413	193567.3712025076	39.45402701107638	-101.3625202	296727.728211686	4369826.2982579032	3367.542345495428	372.435153255	313.9371534552968	313.970817462787	98.924509891761	90.924509891761
323	224	163343	-158421.1413	193567.3712025076	39.45403726533006	-101.3601842	296928.329743564	4369822.25504295	3363.35962657578	372.43336416817737	313.9308207828387	313.96304715347467	98.8640952953483	97.64199664
324	224	163344	-157761.1413	193567.3712025076	39.45404807476862	-101.3578481	297129.9766241196	4369818.16140756	3363.1981278192837	372.43218129182837	313.9281573394958	313.95880573043016	98.64717896839207	96.64717896839207
325	224	163345	-157101.1413	193567.3712025076	39.45405883908149	-101.3555121	297331.0242342459	4369814.10088407	3362.042667857074	372.4311897223975	313.92173254227215	313.95718288	98.47146296634454	95.9593607222481
326	224	163346	-156441.1413	193567.3712025076	39.4540695826686	-101.353176	297532.071843962	4369810.43830412	3362.087438370074	372.42993833470639	313.9259815767963	313.9526148295468	98.998175197666	94.715901117169
327	224	163347	-155781.1413	193567.3712025076	39.45408023	-101.35084	297733.1191483676	4369805.97	3362.232608	372.42854374935796	313.92517093428409	313.94858417440806	98.50688150738647	93.75836319489867
328	224	163348	-155121.1413	193567.3712025076	39.4540908125681	-101.348593	297934.162502693	4369801.915359909	3362.07132796243	372.427493138715807	313.92517093428409	313.94858417440806	98.50688150738647	93.75836319489867
329	224	163349	-154461.1413	193567.3712025076	39.454101167038	-101.3461679	298135.211556849	4369798.8933264	3362.0564298165	372.426305701575	313.921749639197	313.9717915956911	100.2008706037817	94.9051414202416
330	224	163350	-153801.1413	193567.3712025076	39.45411198375994	-101.3438318	298336.2596632794	4369793.793	3365.797176300457	372.42537914145595	313.927809762211199	313.9473404096903	96.72815250336043	93.9450450649549
331	224	163351	-153141.1413	193567.3712025076	39.4541227723235	-101.3414958	298537.360472195	4369793.71699132	3366.29814325871	372.42313771670433	313.9208244136678	313.928853389542887	96.5225752036217	90.2484327
332	224	163352	-152481.1413	193567.3712025076	39.45413292575603	-101.3391597	298738.3527848487	4369795.6102947485	3368.51468487434	372.421709466175077	313.914323542947127	313.957516249127	87.5771423243187	86.1339773679507
333	224	163353	-151821.1413	193567.3712025076	39.4541432062741	-101.3368237	298939.3989892992	4369791.6709789	3368.73556944174	372.4202616893317	313.91249250967129	313.9629707694605	87.3124782630796	82.01391732307645
334	224	163354	-151161.1413	193567.3712025076	39.45415368272357	-101.3344876	299140.44481674597	4369797.54908291	3362.94277689068	372.41879637190733	313.916789563252	313.98530675067403	88.19570667403	78.910787779209
335	224	163355	-150501.1413	193567.3712025076	39.454164015681	-101.3321428	299349.214515613	4369794.981215613	3362.94277689068	372.41879637190733	313.916789563252	313.98530675067403	88.19570667403	78.910787779209
336	224	163356	-149841.1413	193567.3712025076	39.4541742824757	-101.3299155	299542.530598371	4369789.429751516	3362.021756042383	372.4157064324556	313.91263825827565	314.033967270664		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothsKrg.ft	SatHLogsKrg.ft	SatHBothsKrg.ft
419	224	165439	-95061.14313	39357.71720250766	-35.45486919569334	-101.1359208	116228.6487290079	436943.17411068	3198.045723680027	3093.70573322777	3019.2006349233525	3022.17246964727	75.0509830372448	71.5332635324993
420	224	165440	-94401.14131	39357.71720250766	-35.45487562955173	-101.1339547	116236.6764485573	436942.911530691	3188.159386382143	3017.972727278634	3021.715985680522	70.38844702077449	67.38844702077449	73.8844702077449
421	224	165441	-93741.14131	39357.71720250766	-35.45488219514975	-101.1284284	116239.709907441	436940.259815671	3189.225891042621	3099.225891042621	3024.715985680522	70.38844702077449	67.38844702077449	73.8844702077449
422	224	165442	-93081.14131	39357.71720250766	-35.4548848218703	-101.128125	116231.733277274	436941.046096906	3171.386717766316	3088.386717766316	3019.513839683874	68.65787891	69.0925722600708	70.65787891
423	224	165443	-92421.14131	39357.71720250766	-35.45488403407054	-101.1265763	116232.766532797	436941.050529759	3164.692576653279	3086.49623761515	3086.4849015	70.3130784510516	69.22142463562	72.5883912810958
424	224	165444	-91761.14131	39357.71720250766	-35.4549013087974	-101.1242402	116233.753539507	436940.574587543	3164.6748947325344	3016.8748947325344	3011.641748947325344	67.6996540218279	72.329030063129	72.329030063129
425	224	165445	-91101.14131	39357.71720250766	-35.4549073825351	-101.1219041	116234.8243650624	436940.921729579	3155.688627855443	3082.66663760758	3017.6951983883416	70.0487920778846	64.96144121924635	72.56871052079337
426	224	165446	-90401.14131	39357.71720250766	-35.4549139096323	-101.119568	116235.801312868	436940.48039381	3151.186707844815	3080.7489358248387	3017.97856998287	70.0487920778846	67.73036584	72.8994293
427	224	165447	-89761.14131	39357.71720250766	-35.45491975043985	-101.1172818	116236.8196201169	436940.33925619	3148.962216426928	3078.95957953666	3017.045157532615	70.0487920778846	67.73036584	72.8994293
428	224	165448	-89121.14131	39357.71720250766	-35.45492586673736	-101.114859	116237.881907717896	436939.75829482	3143.07518833274	3076.97723054527	3015.05100325118	70.0487920778846	67.73036584	72.8994293
429	224	165449	-88461.14131	39357.71720250766	-35.4549318788339	-101.1125597	116238.8378856576	436939.75790461	3148.168105474863	3075.1161891845013	3012.523627670106	70.0487920778846	67.73036584	72.8994293
430	224	165450	-87801.14131	39357.71720250766	-35.4549379630208	-101.1102236	116239.9658224713	436938.717096105	3149.2611327567147	3073.2693514458356	3091.61450810349	70.0487920778846	67.73036584	72.8994293
431	224	165451	-87141.14131	39357.71720250766	-35.4549434747336	-101.107875	116240.9818439	436938.67478935	3155.72243823702	3073.4358980202857	3006.7436356546695	70.0487920778846	67.73036584	72.8994293
432	224	165452	-86481.14131	39357.71720250766	-35.4549488057127	-101.1055514	116241.0211624074	436938.6307	3168.5512697698426	3069.612697698426	3003.886253906872	70.0487920778846	67.73036584	72.8994293
433	224	165453	-85821.14131	39357.71720250766	-35.4549557119376	-101.1032153	116242.0946888807	436937.659679589	3168.3011968873216	3067.3011968873216	3001.084562402556	70.0487920778846	67.73036584	72.8994293
434	224	165454	-85161.14131	39357.71720250766	-35.45496161670285	-101.1008792	116243.07574963307	436937.657109394	3168.02038978174	3066.0308857828	2998.2920012296713	70.0487920778846	67.73036584	72.8994293
435	224	165455	-84501.14131	39357.71720250766	-35.45496741708475	-101.0985431	116244.102845864	436936.518	3167.21153439	3064.2717933757	2995.5845188967846	70.0487920778846	67.73036584	72.8994293
436	224	165456	-83841.14131	39357.71720250766	-35.45497172338704	-101.096207	116245.192707861	436936.47853357	3022.2128230520343	3062.458999123596	2992.758807722623	70.0487920778846	67.73036584	72.8994293
437	224	165457	-83181.14131	39357.71720250766	-35.4549788246548	-101.0938709	116246.156196006	436936.430288365	3023.2722710446887	3060.867740275175	2990.09436397305	70.0487920778846	67.73036584	72.8994293
438	224	165458	-82521.14131	39357.71720250766	-35.45498454746478	-101.0915348	116247.3200481829	436936.40047296	3023.31591240943	3058.9432469252974	2988.347538271187	70.0487920778846	67.73036584	72.8994293
439	224	165459	-81861.14131	39357.71720250766	-35.4549916733694	-101.089198	116248.2092973367	436935.361774196	3025.7016989042198	3057.21289623798	2987.259934540097	70.0487920778846	67.73036584	72.8994293
440	224	165460	-81201.14131	39357.71720250766	-35.4549962403996	-101.086825	116249.2534614646	436934.32326979	3027.409538281957	3055.4073012132477	2986.18905252821	70.0487920778846	67.73036584	72.8994293
441	224	165461	-80541.14131	39357.71720250766	-35.4549981678784	-101.084584	116250.58354271	436933.458239164	3029.214536233075	3053.3747486578	2985.08639219324	70.0487920778846	67.73036584	72.8994293
442	224	165462	-79881.14131	39357.71720250766	-35.45500576187224	-101.0821903	116251.2085272722	436933.407250249	3027.010719939365	3052.132364531811	2983.67696743326	70.0487920778846	67.73036584	72.8994293
443	224	165463	-79221.14131	39357.71720250766	-35.4550121955408	-101.0798542	116252.319254766	436933.209224717	3021.534317937198	3050.462468367592	2982.3632678007026	70.0487920778846	67.73036584	72.8994293
444	224	165464	-78561.14131	39357.71720250766	-35.45501758978341	-101.0775181	116253.33693975876	436932.317603729	3020.28972289661	3048.8208603122566	2980.903008	70.0487920778846	67.73036584	72.8994293
445	224	165465	-77901.14131	39357.71720250766	-35.45502294	-101.075182	116254.3536949458	436931.34189228	3020.04512785851	3047.8354603594	2979.6431726881258	70.0487920778846	67.73036584	72.8994293
446	224	165466	-77241.14131	39357.71720250766	-35.4550282469646	-101.0728459	116255.3868180519	436930.340688136	3020.8035027737048	3045.593445139785	2977.7633246337896	70.0487920778846	67.73036584	72.8994293
447	224	165467	-76581.14131	39357.71720250766	-35.45503367172175	-101.070598	116256.4137678197	436929.07899854	3020.731425	3044.074112596936	2976.533984752815	70.0487920778846	67.73036584	72.8994293
448	224	165468	-75921.14131	39357.71720250766	-35.4550387917878	-101.068349	116257.44203391	436928.16318503	3020.78628	3042.41123493097	2975.581910027681	70.0487920778846	67.73036584	72.8994293
449	224	165469	-75261.14131	39357.71720250766	-35.4550438404187	-101.0658375	116258.443438735	436931.98659675	3020.785314	3040.89364059322	2973.7615947199847	70.0487920778846	67.73036584	72.8994293
450	224	165470	-74601.14131	39357.71720250766	-35.45504907510866	-101.0635014	116259.406847520011	436930.9520214784	3020.9303267373826	3039.36279373826	2972.146165476184	70.0487920778846	67.73036584	72.8994293
451	224	165471	-73941.14131	39357.71720250766	-35.45505408582254	-101.0611653	116260.5118269013	436929.914039378	3021.730946091	3037.848649584367	2970.303593836228	70.0487920778846	67.73036584	72.8994293
452	224	165472	-73281.14131	39357.71720250766	-35.45505911906604	-101.0588292	116261.53509877564	436928.937040252	3021.620115287635	3036.3479771500097	2968.704179206653	70.0487920778846	67.73036584	72.8994293
453	224	165473	-72621.14131	39357.71720250766	-35.45506417015219	-101.0564431	116262.5368176301	436927.784207592	3020.7892684406734	3034.859900393396	2967.258411651384	70.0487920778846	67.73036584	72.8994293
454	224	165474	-71961.14131	39357.71720250766	-35.4550692198936	-101.054157	116263.58354271	436926.81367164	3021.04536233075	3033.3747486578	2965.08639219324	70.0487920778846	67.73036584	72.8994293
455	224	165475	-71301.14131	39357.71720250766	-35.45507394781685	-101.0518209	116264.5820771153045	436925.77440266	3020.71045962429604	3031.9032907417227	2964.560942548876	70.0487920778846	67.73036584	72.8994293
456	224	165476	-70641.14131	39357.71720250766	-35.45507800644976	-101.0494847	116265.6306	436924.73259367	3020.0924170147944	3030.428184836827	2962.61912929187	70.0487920778846	67.73036584	72.8994293
457	224	165477	-69981.14131	39357.71720250766	-35.45508336822062	-101.0471486	116266.673796684	436923.791327217	3020.532737666283	3028.948755977248	2960.630627781161	70.0487920778846	67.73036584	72.8994293
458	224	165478	-69321.14131	39357.71720250766	-35.45508837066855	-101.0448125	116267.67780082	436922.7657	3021.4382430284613	3027.464288904713	2958.862168	70.0487920778846	67.73036584	72.8994293
459	224	165479	-68661.14131	39357.71720250766	-35.455093087991216	-101.0424764	116268.69975439034	436921.7832	3021.01422668707	3025.9737104505013	2957.4439441169147	70.0487920778846	67.73036584	72.8994293
460	224	165480	-68001.14131	39357.71720250766	-35.45509776018383	-101.0401403	116269.7224594363	436920.597749276	3020.759266273642	3024.489543710194	2956.53622690253	70.0487920778846	67.73036584	72.8994293
461	224	165481	-67341.14131	39357.71720250766	-35.455102810587	-101.037815	116270.8258354271	436919.25078954	3020.418536233075	3023.3747486578	2954.97402151169	70.0487920778846	67.73036584	72.8994293
462	224	165482	-66681.14131	39357.71720250766	-35.45510698915184	-101.035468	116271.7673528287	436918.59253	3020.148955326785	3021.502112048332	2954.904511714723	70.0487920778846	67.73036584	72.8994293
463	224	165483	-66021.14131	39357.71720250766	-35.4551115059949	-101.0331319	116272.7895484515	436917.50634585	3020.318771811625	3020.61416388023	2954.809305695978	70.0487920778846	67.73036584	72.8994293
464	224	165484	-65361.14131	39357.71720250766	-35.45511598767728	-101.0307598	116273.81510507526	436916.4623567	3020.17946808734	3018.5837489242043	2953.646099037484	70.0487920778846	67.73036584</	

ix	iy	x	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKrg.f	BRLEvLogKrg.f	SatHtLog.f	SatHtLog.f
543	24	165565	-11901.141327	39567.3170250766	39.45532996413972	-100.8415696	341567.0479654224	3889825.434319321	3268.562844	2089.7013272179376	2828.7188670726946	2928.8988988983652	62.7824601452302	61.60246733428539
546	24	165566	-11241.141137	39567.3170250766	39.45533045372736	-100.8392313	341578.0567001512	3889821.417219496	3027.0638200003811	2889.5286378281214	2823.198741898603	2824.1508905370266	66.4094594	65.67778729109477
547	24	165567	-10989.141327	39567.3170250766	39.45533148136781	-100.8369873	341569.0529131363	3889817.47401	3085.933891241745	2898.1704736781752	2817.884236758768	70.5158873386517	70.888711440764	69.862311440764
548	24	165568	-9921.141137	39567.3170250766	39.45533192319376	-100.8346162	341260.017907286	38904.9855144314499	3084.9855144314499	2882.5458419307	2821.604812682427	72.5094018259305	73.9206419790803	73.9364058634021
549	24	165569	-9261.141137	39567.3170250766	39.45533284812298	-100.8322251	342361.0818048708	3889809.369164255	3023.3437143037457	2884.891978745401	2808.166657123349	70.909125141077964	75.7253196205176	75.7668356673463
550	24	165570	-8601.141137	39567.3170250766	39.45533346879845	-100.8298889	342562.0901060026	3889805.333896655	3028.72887689351	2883.26088612831	2808.32907681676	70.884545096687	75.0233541617228	75.0233541617228
551	24	165571	-7941.141137	39567.3170250766	39.455334034577	-100.8275258	342763.09807522607	3889803.332762711	3022.253675911483	2881.65158223739	2808.963625258226	70.884545096687	75.0233541617228	75.0233541617228
552	24	165572	-7281.141137	39567.3170250766	39.4553345447649	-100.8252167	342964.1059	3889802.32475419	3024.547111039958	2880.402248048153	2810.688023738235	70.884545096687	75.0233541617228	75.0233541617228
553	24	165573	-6621.141137	39567.3170250766	39.4553350005993	-100.8228869	343165.1185642507	3889801.3297978	3026.9456587794	2879.432227368185	2810.916430779593	70.884545096687	75.0233541617228	75.0233541617228
554	24	165574	-5961.141137	39567.3170250766	39.455335450218975	-100.8205444	343366.1210589803	3889800.2324782	3029.13390014495	2876.625051903398	2815.71194116923	70.884545096687	75.0233541617228	75.0233541617228
555	24	165575	-5301.141137	39567.3170250766	39.45533585253734	-100.8182083	343567.124832428	3889800.27010322	3028.502973816005	2875.205610505816	2817.1902555247727	70.884545096687	75.0233541617228	75.0233541617228
556	24	165576	-4641.141137	39567.3170250766	39.4553361516038	-100.8158722	343768.1356381772	3889801.2630388	3025.00152661717	2873.614805559204	2815.818350074788	70.884545096687	75.0233541617228	75.0233541617228
557	24	165577	-3981.141137	39567.3170250766	39.4553364699388	-100.813536	343969.142695572	3889801.274821537	3022.06697914077	2872.06697914077	2816.838607951062	70.884545096687	75.0233541617228	75.0233541617228
558	24	165578	-3321.141137	39567.3170250766	39.45533671958923	-100.8111999	344170.149601713	3889803.236	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
559	24	165579	-2661.141137	39567.3170250766	39.45533692411435	-100.8088638	344371.15635968026	3889800.26671379	3016.414975920014	2868.781708	2814.9030033354043	70.884545096687	75.0233541617228	75.0233541617228
560	24	165580	-2001.141137	39567.3170250766	39.45533706330549	-100.806578	344572.1629610603	3889800.26671379	3016.414975920014	2868.781708	2814.9030033354043	70.884545096687	75.0233541617228	75.0233541617228
561	24	165581	-1341.141137	39567.3170250766	39.45533719777414	-100.8041915	344773.1694167455	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
562	24	165582	-681.1413269	39567.3170250766	39.4553372	-100.8018554	344974.175717859	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
563	24	165583	-21.14132693	39567.3170250766	39.455337290918806	-100.7995192	345175.1818708172	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
564	24	165584	638.85867303514	39567.3170250766	39.4553372	-100.7971813	345376.18787375465	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
565	24	165585	1298.85867303514	39567.3170250766	39.45533723055363	-100.794847	345577.1937	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
566	24	165586	1988.85867303514	39567.3170250766	39.455337092178844	-100.7925108	345778.19943038817	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
567	24	165587	2688.85867303514	39567.3170250766	39.4553370477726	-100.790017	345979.20368449507	3889801.1934389	3017.9632302207193	2870.36024763356	2813.749091481102	70.884545096687	75.0233541617228	75.0233541617228
568	24	165588	3388.85867303514	39567.3170250766	39.45533673404479	-100.7878386	346180.2103894027	3889803.1040405	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
569	24	165589	4088.85867303514	39567.3170250766	39.455336467285564	-100.7855024	346381.2156	3889802.295732584	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
570	24	165590	4788.8586730351	39567.3170250766	39.4553362	-100.7831663	346582.2207524418	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
571	24	165591	5488.8586730351	39567.3170250766	39.455336388382675	-100.7808302	346783.2257109841	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
572	24	165592	6188.8586730351	39567.3170250766	39.45533547623899	-100.778494	346984.2305211476	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
573	24	165593	6888.8586730351	39567.3170250766	39.4553370477726	-100.775801	347185.2305211476	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
574	24	165594	7588.8586730351	39567.3170250766	39.4553370477726	-100.773158	347386.2305211476	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
575	24	165595	8288.8586730351	39567.3170250766	39.45533603903917	-100.7714857	347587.2441	3889801.0810769	3008.623514395645	2854.1003868787235	2810.4707324810135	70.884545096687	75.0233541617228	75.0233541617228
576	24	165596	8988.8586730351	39567.3170250766	39.45533436282966	-100.7691495	347788.2482821294	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
577	24	165597	9688.8586730351	39567.3170250766	39.45533288898576	-100.7668134	347989.252334837	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
578	24	165598	10388.8586730351	39567.3170250766	39.45533232658068	-100.7644773	348190.2552776919	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
579	24	165599	11088.8586730351	39567.3170250766	39.45533515734545	-100.7621411	348391.2608298737	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
580	24	165600	11788.8586730351	39567.3170250766	39.4553370477726	-100.759805	348592.2633684943	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
581	24	165601	12488.8586730351	39567.3170250766	39.45533001	-100.7574689	348793.2657169498	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
582	24	165602	13188.8586730351	39567.3170250766	39.45532917275477	-100.7551327	348994.2705071677	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
583	24	165603	13888.8586730351	39567.3170250766	39.45532829	-100.7527966	349195.2737	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
584	24	165604	14588.8586730351	39567.3170250766	39.45532737	-100.7504605	349396.2764743697	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
585	24	165605	15288.8586730351	39567.3170250766	39.455326401170906	-100.7481243	349597.2796430517	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
586	24	165606	15988.8586730351	39567.3170250766	39.4553253713398	-100.7457882	349798.2829873737	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
587	24	165607	16688.8586730351	39567.3170250766	39.455324302451336	-100.7434537	349999.291308207	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
588	24	165608	17388.8586730351	39567.3170250766	39.45532324513398	-100.7411158	350200.2875181326	3889801.0540686	2993.547187132695	2840.73467525878	2789.403521205099	70.884545096687	75.0233541617228	75.0233541617228
589	24	165609	18088.8586730351	39567.3170250766	39.4553220519147	-100								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRIEVLtKg.f	BRIEVLtKg.f	SatHtKg.f	SatHtKg.f
671	224	166991	71258.8586730335	395957.7170250766	39.45507426018337	-100.5472716	66883.00667241233	4386420.959964635	2851.953960709445	2668.307898681774	2634.431994975212	2622.1299070369137	33.785903706561985	46.1779916486041
672	224	166992	71918.8586730335	395957.7170250766	39.45506935924356	-100.5448913	66703.981769159894	4386416.9692431424	2666.6145919636515	2638.708154000495	2628.19414670244	2627.433775656301987	38.42405036	
673	224	166993	72518.8586730335	395957.7170250766	39.45506445217384	-100.5456541	66604.938053617	4386412.976668211	2663.440584	2631.396629669755	2633.06454754355	2630.4635245921628	34.24861196102907	
674	224	166994	73238.8586730335	395957.7170250766	39.45506393975555	-100.5402093	66485.9794111635	4386408.98325759	2652.648034525975	2648.430634321585	2648.430634321585	2648.430634321585	34.62512350370414	
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676	224	166996	74558.8586730335	395957.7170250766	39.4550534320553	-100.535537	66787.960543843	4386401.90822728	2851.892126126035	2659.341181268217	2653.793286463014	2628.97139371391	31.55079432555118	30.7272445227784
677	224	166997	75218.8586730335	395957.7170250766	39.455044213627616	-100.5332029	66808.9501690973	4386397.018296962	2851.256083143807	2657.388690391267	2649.080759941292	2641.080759941292	31.55079432555118	39.88240381882336
678	224	166998	75788.8586730335	395957.7170250766	39.4550394792214	-100.530848	66828.9411631391	4386393.02090669	2850.65303101304	2655.41423079958	2646.748604270457	2648.8398747717785	31.55079432555118	46.3559230820814
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682	224	167002	78518.8586730335	395957.7170250766	39.4550179382454	-100.5215204	66903.900868928	4386377.0264049	2843.291380110524	2647.548641929593	2601.552559902003	2603.37017726631	36.9690202939271	44.1786240296205
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693	224	167013	85778.8586730335	395957.7170250766	39.4549562841192	-100.4954538	71304.778905017	4386333.07008621	2793.87125826425	2622.291371604437	2587.94892511408	2592.62321778542	37.269604467056	37.269604467056
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712	224	167032	98318.8586730335	395957.7170250766	39.4548363098844	-100.4514372	75135.5356989327	4386257.50868622	2777.10713419565	2594.7611003744933	2544.59325298815	2564.837326284874	48.49012311507476	48.49012311507476
713	224	167033	98978.8586730335	395957.7170250766	39.4548302764351	-100.449115	75346.5276182475	4386253.15052317	2775.419487471128	2593.45847811524	2543.19678673979	2560.01048947743	55.764519512296374	55.764519512296374
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SurfBthKgr.f	SurfBth.f
57	225	168817	-333881.1413	940237.3170250766	39.45137227800518	-101.9815688	24464.59096389866	4371111.5431694115	3626.620824042769	3628.224404034671	3526.4167325203155	3524.8821483568676	111.8077078216561	95.242392098778405
58	225	168818	-333321.1413	940237.3170250766	39.45139500450336	-101.979233	244347.69891288283	437110.424884265	3844.4885192558074	3636.687341045885	3523.836705367867	3536.505717515163	112.86063566011626	101.1915633935866
59	225	168819	-332861.1413	940237.3170250766	39.45141786778327	-101.9769871	24368.869680836	437103.307018507	3838.24181801322813	3635.164823288864	3517.785075268853	3532.26157172486704	113.7628133786103	102.9628179178605
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61	225	168821	-331341.1413	940237.3170250766	39.45146533708804	-101.9722255	24425.0123767012	437106.071715233	3837.535226062828	3632.0877683327585	3517.9641016666203	3528.5075566694043	114.1236667213825	103.5802116633540
62	225	168822	-330681.1413	940237.3170250766	39.45148588906216	-101.9698897	24445.1281725648	437109.954378068	3835.181924862385	3631.253472590862	3517.6280239334035	3523.865433	112.91734685743138	97.67939169716212
63	225	168823	-330021.1413	940237.3170250766	39.45150847591911	-101.9675538	24465.23485444923	437108.3827250335	3832.885184061614	3629.00213293317	3517.689767197514	3530.695265919708	111.3324307095028	98.3609451
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72	225	168832	-324081.1413	940237.3170250766	39.45170972728795	-101.9465313	24663.1836401733	437104.79233257	3823.224644228333	3615.507733	3509.411753044247	3515.562550899294	106.063608909544	90.4402251419276
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76	225	168836	-321441.1413	940237.3170250766	39.45177999262325	-101.937188	24727.5988888968	437103.33666423	3822.190452510666	3610.104922581133	3499.0028637086384	3475.71420729131	111.1020587847451	136.36701526611
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86	225	168846	-314841.1413	940237.3170250766	39.45201552083945	-101.9136294	24927.8162810963	437099.20115895	3799.07023291878	3597.0720231878	3474.16141263819	3467.67510412339	119.916167893198	129.3725030903162
87	225	168847	-314181.1413	940237.3170250766	39.4520370483105	-101.9114938	24949.719952546	437098.08900541	3793.931730104858	3595.75588442373	3470.445670524488	3468.187994217259	125.2982591790947	127.5559225221497
88	225	168848	-313521.1413	940237.3170250766	39.452061363475	-101.9091577	24968.82076313483	437097.71771651	3785.705199707712	3594.41154224847	3467.910591815422	3468.784612352179	126.500947069047	125.6268983568811
89	225	168849	-312861.1413	940237.3170250766	39.45207989743254	-101.9068218	24981.12052506484	437097.85482213	3779.4714695697	3593.07900350422	3465.06459035777	3468.90313999054	128.0063098962506	124.1625863374812
90	225	168850	-312201.1413	940237.3170250766	39.45210126611496	-101.904486	25008.020480573	437097.54022219	3775.23513934212	3591.722664136946	3462.418425372139	3468.39142224984	129.330742193997	123.370102193997
91	225	168851	-311541.1413	940237.3170250766	39.4521225956704	-101.9021501	25028.1201617847	437097.542761699	3747.362615316554	3590.36362744919	3459.8299967985315	3463.628975107903	128.7354870370159	123.370102193997
92	225	168852	-310881.1413	940237.3170250766	39.45214398394035	-101.900142	25048.702436486	437097.52167	3763.072964458593	3589.917294458593	3457.222514821024	3490.747434816857	124.8298364783957	128.286744
93	225	168853	-310221.1413	940237.3170250766	39.452165110132116	-101.8987478	25068.3817833483	437096.421	3762.694857812335	3588.74748398916	3458.69478562038	3463.628975107903	125.8614119064213	128.95842306025427
94	225	168854	-309561.1413	940237.3170250766	39.4521862948501	-101.8951425	25088.4717240824	437095.913236584	3760.416817124216	3586.207935654414	3452.524114187955	3457.100893008204	133.6838214864836	129.099236352054
95	225	168855	-308901.1413	940237.3170250766	39.45220734325812	-101.892806	25108.516413892	437095.19963772	3757.347023470733	3584.79023470733	3450.5170556142475	3457.622191394078	134.2799678564855	127.1493730529241
96	225	168856	-308241.1413	940237.3170250766	39.45222853045139	-101.8904708	25128.9148664938	437095.180962306	3754.0855624478404	3583.37605750723	3448.6826924005536	3459.567506	134.6909133016847	128.8061001296132
97	225	168857	-307581.1413	940237.3170250766	39.452249835254755	-101.8881349	25149.7130884938	437094.97996023	3750.72408882197	3581.937313079568	3446.991802753407	3460.441122945782	134.8713732661024	129.8196102917486
98	225	168858	-306921.1413	940237.3170250766	39.4522705909372	-101.88579	25169.81102487337	437094.62690153	3747.362615316554	3580.448479423438	3445.357483688105	3462.465074265135	135.13095374531	131.0571181683005
99	225	168859	-306261.1413	940237.3170250766	39.45229179093862	-101.883495	25189.80279565024	437094.161247	3743.0585171725	3578.072964458593	3443.0749862591577	3443.0749862591577	135.898168130178	131.0571181683005
100	225	168860	-305601.1413	940237.3170250766	39.4523147	-101.8811272	25209.0406050484	437093.651	3740.228891501	3577.5544992770386	3442.5040934318208	3461.89604271347	134.9944458452628	115.6833023533583
101	225	168861	-304941.1413	940237.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLog.Kg.f	BREIEvLog.Kg.f	SatHfElev.	SatHtBoth.f
181	225	169543	-250821.1413	940237.3170250766	35.45389132665657	-101.6872449	268784.2609056916	4370594.301812944	3549.9400311206586	3560.11951716716337	3249.14306	3247.9136883686604	320.97645767635368	202.2058299749733
184	225	169544	-250161.1613	940237.3170250766	35.45390845	-101.6848089	268985.33489325858	4370590.290996959	3546.934265121414	3448.7549764809557	3257.8099750893693	3256.730233652642	190.94490139148638	190.9246286221007
188	225	169545	-249501.1413	940237.3170250766	35.4539233599768	-101.6825729	269166.4185515725	4370596.118392728	3543.964034869396	3437.903489615828	3260.26217983310414	3265.383053465216	180.9073522714548	181.89435454018091
188	225	169546	-248841.1413	940237.3170250766	35.45394257729335	-101.680237	269387.492826263	437062.026997253	3546.994736518248	3474.9703860644	3273.282365621578	3273.282365621578	171.65080372123378	172.6875880673077
187	225	169547	-248181.1413	940237.3170250766	35.4539596483264	-101.677901	269588.5668686997	437057.935809523	3538.094974201608	3444.5595375521793	3281.358600331976	3281.358600331976	163.203727202617	164.1198528699371
188	225	169548	-247521.1413	940237.3170250766	35.4539761156876	-101.675565	269789.6466316984	437053.744483035	3534.141977415933	3443.141977415933	3287.648092600033	3286.75388	145.93488481760252	146.93488481760252
190	225	169549	-246861.1413	940237.3170250766	35.45399034181863	-101.673229	269990.72301259835	4370569.754060274	3537.4354691520093	3441.7226190286187	3293.2447370722566	3292.3903740722863	148.4778195636213	149.3254956363248
190	225	169590	-246201.1413	940237.3170250766	35.45401026967125	-101.670983	270191.79923515185	4370563.66498741	3538.6057166279306	3440.350234382444	3298.478637	3297.805145	141.8265972032645	142.5000898103649
191	225	169591	-245541.1413	940237.3170250766	35.45402768103758	-101.668657	270392.87702210354	4370561.573145922	3534.907278639972	3439.807347496228	3300.26217983310414	3298.738847943493	136.01092263914588	137.01092263914588
192	225	169592	-244881.1413	940237.3170250766	35.454043847230566	-101.666221	270593.95100455007	4370557.483	3535.7936374717302	3437.4899174517302	3305.471048408376	3305.156203908744	132.0167891105258	132.3336135429893
193	225	169593	-244221.1413	940237.3170250766	35.45406056840023	-101.663885	270795.0265345174	437053.39306404	3525.538397687964	3436.063075561554	3304.6220596732348	331.1306467160327	131.4742113830757	
194	225	169594	-243561.1413	940237.3170250766	35.4540772443664	-101.6615491	270996.1018607239	4370549.30339689	3521.277405687925	3434.712443345793	3303.050764152808	3302.54519672398	131.66167191296505	132.1669236691046
195	225	169595	-242901.1413	940237.3170250766	35.454087937526929	-101.6592131	271197.1769519885	4370545.213821661	3518.385264599362	3433.38655484878653	3300.8850349487864	3300.0115947329387	132.4536159940488	132.70612549298
196	225	169596	-242241.1413	940237.3170250766	35.45411046101868	-101.6568771	271398.2518176049	4370541.124512316	3516.86195450233	3431.9750124237391	3298.8455509594237	3297.912423735917	132.1294614694963	134.061940083786
197	225	169597	-241581.1413	940237.3170250766	35.45412701644565	-101.6545411	271599.2564677894	4370537.035411638	3515.336843402932	3430.6220787257384	3296.979940366527	3296.047997911595	132.0361346196574	134.5740677547897
198	225	169598	-240921.1413	940237.3170250766	35.45414348714696	-101.6522051	271800.4008727432	4370532.947	3513.815341	3429.28064102942	3296.179163466523	3294.506074832278	134.1015373742899	134.7754977068416
199	225	169599	-240261.1413	940237.3170250766	35.45415994752577	-101.649891	272001.4705062673	4370528.87836273	3527.948925175538	3294.506101	3293.1756632720387	3293.443781413136	134.774219248517	
200	225	169600	-239601.1413	940237.3170250766	35.4541763278104	-101.6475331	272202.5490277844	4370524.769361572	3528.972011	3426.628613388023	3293.2491813594866	3292.0813739431273	134.7394312773157	134.54473737
201	225	169601	-238941.1413	940237.3170250766	35.45419271281267	-101.6451971	272403.6227682831	4370520.681	3538.584258446082	3425.351408964082	3291.4485771173727	3290.884380857077	133.8668326891003	134.4313101
202	225	169602	-238281.1413	940237.3170250766	35.4542097298277	-101.6428611	272604.69638432685	4370516.593030651	3550.196424153037	3424.07087860201	3290.2667258061115	3290.2667258061115	132.76220000896	133.9317102585645
203	225	169603	-237621.1413	940237.3170250766	35.454225297813075	-101.6405251	272805.766792155	4370512.50518721	3558.1965971072886	3422.740935201007	3289.07641294296048	3289.366701771354	132.62870090949616	133.3820174874654
204	225	169604	-236961.1413	940237.3170250766	35.45424515225736	-101.6381891	273006.8427441106	4370508.418	3554.584961000061	3421.403505710107	3287.786300246764	3288.311041499095	132.5075974532321	133.5047621011185
205	225	169605	-236301.1413	940237.3170250766	35.4542650261319	-101.6358321	273207.91429200327	4370504.330115603	3561.3426989595468	3419.0143325976508	3286.652092374604	3287.013707035566	132.3897826900434	140.06307800269378
206	225	169606	-235641.1413	940237.3170250766	35.45427336723262	-101.633571	273408.982087322	4370500.24898244	3563.3508018527627	3418.784291320255	3283.993349400977	3287.813496	134.7855985192527	137.0147326263152
207	225	169607	-234981.1413	940237.3170250766	35.454289926112914	-101.6311811	273610.060058722	4370496.15897138	3563.961710757827	3417.463818798567	3281.60950598875	3286.844605041995	134.8554020811818	136.0181372365724
208	225	169608	-234321.1413	940237.3170250766	35.45430597	-101.628845	273811.1327798393	4370492.090740254	3555.79737753173	3416.31116043307	3278.5510327506154	3285.720344032873	132.580083652813	134.01068237956142
209	225	169609	-233661.1413	940237.3170250766	35.45432196952002	-101.626509	274012.2047030835	4370489.98425716	3557.62617807924	3414.782145082104	3275.4297734058514	3283.2634750332247	132.580083652813	135.1148110288792
210	225	169610	-233001.1413	940237.3170250766	35.454337393337736	-101.624173	274213.276459701	4370483.896	3558.456738649675	3413.41121272553	3272.2559343187418	3273.331362082932	132.5157785381119	136.0000890962096
211	225	169611	-232341.1413	940237.3170250766	35.4543528137158	-101.621827	274414.3479647571	4370479.61890852	3561.3426989595468	3412.0143325976508	3286.652092374604	3287.013707035566	132.3897826900434	140.06307800269378
212	225	169612	-231681.1413	940237.3170250766	35.4543696201319	-101.619501	274615.4192480738	4370475.72330504	3563.290415651177	3410.58760811577	3274.71127924338	3268.38520544717	134.875830240882	142.793770240483
213	225	169613	-231021.1413	940237.3170250766	35.45438551484727	-101.617165	274816.490390245	4370471.838	3565.237784	3409.12770699174	3262.645825940722	3262.64471420776	134.481810515106	146.1483255209816
214	225	169614	-230361.1413	940237.3170250766	35.4544012883913	-101.614829	275017.5611485211	4370467.552671741	3567.185325846854	3407.632295197156	3267.031873665616	3267.031873665616	140.6004163905444	140.932259759816
215	225	169615	-229701.1413	940237.3170250766	35.45441707166984	-101.612493	275218.6318	4370463.467271889	3567.1971942466044	3406.303106393116	3268.140545	3270.047153308868	132.9625089052316	136.0559508250522
216	225	169616	-229041.1413	940237.3170250766	35.4544327	-101.610157	275419.702160212	4370459.382134569	3566.3971974294221	3404.53406992627	3267.242413302853	3267.242413302853	132.31166632341	134.26861708046293
217	225	169617	-228381.1413	940237.3170250766	35.45444838191036	-101.6078029	275620.7723	4370455.29720572	3568.22298202246	3402.56800704868	3265.68970725431	3270.070642	132.260263014151	132.88136602159593
218	225	169618	-227721.1413	940237.3170250766	35.454463921158	-101.605487	275821.8429020337	4370451.21485498	3564.00249254838	3401.3569548348	3263.931171559094	3269.35148914023	132.17142841	132.017078931276
219	225	169619	-227061.1413	940237.3170250766	35.45447947911722	-101.6031489	276022.9102228684	4370447.127937414	3561.794059718592	3399.72517234818	3262.12438685615	3268.387381124305	132.0756078603686	132.3719913074593
220	225	169620	-226401.1413	940237.3170250766	35.45449481894385	-101.6008129	276223.9513480006	4370434.96	3558.454784461025	3398.085579108217	3300.306996059688	3268.7564957449736	132.77857895113496	132.92309016548415
221	225	169621	-225741.1413	940237.3170250766	35.4545103954733	-101.5984769	276425.05062623346	4370430.96	3555.121830066124	3396.346922162704	3258.696465278955	3260.1660243061	132.7382269376748	136.2866860126094
222	225	169622	-225081.1413	940237.3170250766	35.45452585	-101.5961408	276626.118997371	4370434.876921661	3551.7857151427	3394.77450813761	3256.9191424568776	3258.4013123002374	132.8536615688352	136.5981541338866
223	225	169623	-224421.1413	940237.3170250766	35.45454121948043	-101.5938048	276827.18877484216	4370430.789011547	3548.9256485182265	3393.106587709099	3256.019284135347	3256.517402898554	132.70460529956408	136.3895629924337
224	225	169624	-223761.1413	940237.3170250766	35.4545564176054	-101.5914888	277028.2573755897	4370426.709	3549.5413091369128	3391.4320701404243	3253.738374445283	3254.7500599172929	132.893566114402	136.68201922339313
225	225	169625	-223101.1413	940237.3170250766	35.45457166522795	-101.589161	277229.378379426	4370421.388138116	3548.9256485182265	3391.4320701404243	3253.738374445283	3254.7500599172929	132.893566114402	136.68201922339313
226	225	169626	-222441.1413	940237.3170250766	35.45458765094772	-101.5867968	277430.39398310054	4370418.542	3548.779445260858	3388.064738010796	3248.31582616227	3253.738374445283	132.893566114402	136.68201922339313
227	225	16												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.f	BRIEVBothsKrg.f	SatHLogs.f	SatHBoths.f
310	225	166070	-167691.1413	940237.3170250766	39.45569404031712	-101.39293036	294118.3939553653	4370080.374900179	3401.7486026287416	3325.200917192837	3141.765905	3141.0811925674278	110.43991307023731	111.1197255400698
310	225	166070	-167001.1413	940237.3170250766	39.4557054	-101.3905675	294319.3598451873	4370076.305203868	3397.075392570927	3250.843813806743	3141.139440653257	3141.0816974141745	110.4353129596487	110.4353129596487
311	225	166071	-166291.1413	940237.3170250766	39.45571684116885	-101.388214	294520.4101344785	4370072.243693043	3392.180254969634	3249.48843826952	3140.84474230654	3140.320154211295	108.89284325683027	108.16234325683027
312	225	166072	-165681.1413	940237.3170250766	39.45572819240445	-101.3859875	294721.68220124996	4370071.78175624	3347.71198247079	3248.136121	3139.856391963486	3140.4016096	108.266739075032	107.5254252760994
313	225	166073	-165021.1413	940237.3170250766	39.45573949851374	-101.3835592	294922.5106044075	4370064.113769991	3382.036140632004	3246.787810718961	3139.2353259417436	3141.213057	107.55245717748723	105.5475413440079
314	225	166074	-164361.1413	940237.3170250766	39.45575075946466	-101.3812231	295132.559702519	4370061.403015142	3365.444641392843	3245.444641392843	3138.555798541521	3145.3427370147605	106.8866559776307	99.5017212452377
315	225	166075	-163701.1413	940237.3170250766	39.4557719735253	-101.378887	295324.66027289375	4370055.9840116	3372.9666016144897	3244.1068464646179	3137.81897410298794	3145.65236130268	106.2878740298794	98.4448891537122
316	225	166076	-163041.1413	940237.3170250766	39.45577314608195	-101.3765909	295525.6585545924	4370051.920178554	3370.0706962473327	3242.774320056179	3137.0462971774407	3145.575899103605	105.7250212384336	101.19843905291344
317	225	166077	-162381.1413	940237.3170250766	39.455784627168474	-101.3742146	295726.7078354847	4370047.458983705	3367.1147814200234	3241.4432454226527	3136.9221082	3139.7284276678724	105.17189177584326	99.5017212452377
318	225	166078	-161721.1413	940237.3170250766	39.45579535	-101.3718787	295927.7561584484	4370043.792156691	3364.2738890531045	3240.11969756521	3135.226913463650	3138.282039	104.7299340967027	101.8375661389099
319	225	166079	-161061.1413	940237.3170250766	39.45580638751019	-101.3695428	296128.8051958574	4370039.728452744	3363.946517	3238.797463340548	3134.3531038420107	3136.4260116951323	104.4443549394723	102.37685164451563
320	225	166080	-160401.1413	940237.3170250766	39.45581737773288	-101.3672065	296329.8536757248	4370035.65	3366.177642206586	3135.304717759667	3135.4271224341437	3140.1763678150187	102.0312229505417	102.0312229505417
321	225	166081	-159741.1413	940237.3170250766	39.45582322822872	-101.3648703	296530.915955558	4370031.60181723	3368.400851394971	3236.1621332366903	3132.187751474494	3139.4735821843405	100.4682605124984	100.4682605124984
322	225	166082	-159081.1413	940237.3170250766	39.455839222797856	-101.3625342	296731.9500395367	4370027.53805546	3370.6401586891	3234.840624998183	3130.998562686563	3135.2519427447416	99.596115223368	99.596115223368
323	225	166083	-158421.1413	940237.3170250766	39.45585007764019	-101.3601981	296932.9619765249	4370023.47573079	3372.542938385271	3233.534306	3128.71266284214	3143.832174247867	98.6412628445604	98.6412628445604
324	225	166084	-157761.1413	940237.3170250766	39.45586087355705	-101.357862	297130.0459787526	4370019.41307816	3378.217611	3232.21844003164	3128.265460911728	3134.3276858037484	98.95297485141762	97.8907302509344
325	225	166085	-157101.1413	940237.3170250766	39.45587616194385	-101.3555259	297335.093001105	4370015.35062336	3378.19238330298	3229.8072550760354	3127.172474010461	3133.7934140711114	98.17347106557446	97.10384105892399
326	225	166086	-156441.1413	940237.3170250766	39.455891731405226	-101.3531898	297536.104303346	4370011.288377668	3382.166953211974	3229.5636211974	3126.299468431576	3133.108135051666	97.2683736881657	96.915711601337
327	225	166087	-155781.1413	940237.3170250766	39.45590304574117	-101.3508537	297737.18744805467	4370007.22630146	3383.417592345646	3228.22945486742	3125.8661924123808	3132.8541447343442	96.3632245504142	95.37530993
328	225	166088	-155121.1413	940237.3170250766	39.45591307491924	-101.3485176	297938.2343341758	4370003.165110138	3382.944183967401	3226.878522839278	3126.40810814282	3130.9417871829124	96.1407160249961	95.37530993
329	225	166089	-154461.1413	940237.3170250766	39.45591429903035	-101.3461815	298139.28102200304	4369999.10288772	3382.470783785283	3225.5134947938259	3128.2167435329848	3130.94071489143925	95.2967596634494	94.5663538493714
330	225	166090	-153801.1413	940237.3170250766	39.45592479789458	-101.3438454	298340.3917115174376	4369995.041473064	3381.9973945031821	3224.312411000599	3117.5796810215603	3131.84489359873	95.267929642935	90.5132164048775
331	225	166091	-153141.1413	940237.3170250766	39.45593529181785	-101.341567	298548.9948210454	4369992.51620635	3380.9973945031821	3223.333333333333	3116.9897518289921	3131.84489359873	95.267929642935	90.5132164048775
332	225	166092	-152481.1413	940237.3170250766	39.455945740517296	-101.3391731	298742.41997719395	4369993.91526456	3385.1915754481126	3221.314322771373	3110.413295318817	3141.4154505334882	90.0163696	79.86348714
333	225	166093	-151821.1413	940237.3170250766	39.45595614409055	-101.336837	298943.4658942426	4369992.858	3387.4782934116	3219.8762371625516	3143.9115987162724	3144.81834232016	79.86348714	79.86348714
334	225	166094	-151161.1413	940237.3170250766	39.45596605253678	-101.3345009	299144.5115939374	4369997.78988618	3389.768013132026	3184.415824818472	3145.698141846723	3146.386406612532	72.716827914731	72.0294182062018
335	225	166095	-150501.1413	940237.3170250766	39.45597681585599	-101.3321648	299345.5570625717	4369993.37120735	3390.24156924606	3216.932096575518	3145.9220874911343	3146.626254724524	71.0100801843838	70.30673
336	225	166096	-149841.1413	940237.3170250766	39.45598704048113	-101.3298287	299546.60240178683	4369997.67341318	3388.905377179974	3215.4327880339487	3145.0809742406	3145.961377728283	69.5621403066616	69.5621403066616
337	225	166097	-149181.1413	940237.3170250766	39.45599787071325	-101.3274826	299747.647830268	4369997.67341318	3387.56928385271	3214.393939702827	3142.209390132643	3144.2409871710453	69.5621403066616	69.5621403066616
338	225	166098	-148521.1413	940237.3170250766	39.4560075591705	-101.3251569	299948.8924310454	4369992.51620635	3388.23270	3212.3027166321	3141.0954076972	3141.0954076972	69.5621403066616	69.5621403066616
339	225	166099	-147861.1413	940237.3170250766	39.456017617862045	-101.3228203	300149.7313903076	4369998.498081906	3385.8545628237304	3210.742010990605	3139.902555244892	3140.5604930194745	69.5621403066616	69.5621403066616
340	225	166100	-147201.1413	940237.3170250766	39.456027705545786	-101.3204842	300350.7816594704	4369995.439	3384.5840824003043	3209.12677	3137.5291252126835	3137.5291252126835	69.5621403066616	69.5621403066616
341	225	166101	-146541.1413	940237.3170250766	39.456037748102375	-101.3181481	300551.825983115	4369995.3767212321	3387.81455278305	3207.4820795763885	3134.604789796218	3135.4960868262703	72.8772897801749	71.9860725018118
342	225	166102	-145881.1413	940237.3170250766	39.45604745531784	-101.315812	300752.80171253135	4369996.308688714	3387.87459	3205.8094757001218	3131.157615633115	3132.466589514715	73.02289874861027	73.02289874861027
343	225	166103	-145221.1413	940237.3170250766	39.45605789783984	-101.3134799	300953.9144535633	4369992.461932851	3387.1218715318443	3204.11184719786	3131.912229769653	3132.565365490194	75.76195162689158	75.76195162689158
344	225	166104	-144561.1413	940237.3170250766	39.456067820171325	-101.3113747	301154.957830268	4369992.51620635	3386.240164632	3202.40980717043	3129.893939702827	3131.7989120351737	75.76195162689158	75.76195162689158
345	225	166105	-143901.1413	940237.3170250766	39.456077467055716	-101.3088936	301356.013270171	4369995.261692825	3382.79074192306	3200.651947367596	3118.897437867596	3118.897437867596	75.76195162689158	75.76195162689158
346	225	166106	-143241.1413	940237.3170250766	39.45608726377727	-101.3064765	301557.0447	4369993.07070544	3380.62520901388	3198.904347815852	3115.315891641994	3115.21171826904	83.5894561738505	83.5894561738505
347	225	166107	-142581.1413	940237.3170250766	39.456097055770535	-101.3041314	301758.08782900136	4369992.0918478	3378.554083626605	3117.662041626435	3111.668022297762	3117.662041626435	85.5433941	85.5433941
348	225	166108	-141921.1413	940237.3170250766	39.45610672436349	-101.3017953	301959.1307883097	4369992.91506544	3376.59143453856	3115.467341352983	3108.167609179434	3108.219184540631	87.29904321734875	87.29904321734875
349	225	166109	-141261.1413	940237.3170250766	39.456116463975164	-101.2994951	302160.1753334354	4369994.3701043089	3374.63432481108	3193.850728	3104.934441188225	3104.934441188225	89.1128726824965	89.1128726824965
350	225	166110	-140601.1413	940237.3170250766	39.456126103036534	-101.297123	302361.216245847	4369995.786672565	3372.617123050395247	3192.35243305525	3100.814543530525	3100.814543530525	91.513160883593	91.513160883593
351	225	166111	-139941.1413	940237.3170250766	39.45613622169596	-101.2948208	302562.3710306575	4369994.3701043089	3370.939349284	3190.4806291294	3100.814543530525	3100.814543530525	94.20147193696	94.20147193696
352	225	166112	-139281.1413	940237.3170250766	39.45614532782116	-101.2924508	302763.30065747553	4369995.786672565	3368.0741527427098	3189.3840844119793	3098.272044313713	3097.92752481981	95.57508401060795	95.57508401060795
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.ft	SatHtLogKgr.f	SatHtLogKgr.ft
435	225	166195	-84501.141313	940237.3170250766	39.4567802532877	-101.0985059	119449.14767061896	4399569.746953228	31871.75574844655	360.4670596863925	2995.6229514244363	2992.628237594675	68.4410826195626	71.83882209
436	225	166196	-83841.141313	940237.3170250766	39.45678600363046	-101.0962144	119650.17423655764	4399565.705040471	3187.3211434113814	360.7003212101954	2993.3568610972313	2991.16576	71.5345611296409	71.5345611296409
437	225	166197	-83181.141313	940237.3170250766	39.45679118903476	-101.0936822	119851.20608194371	4399569.4371566258	3187.92933613887	360.9465383930202	2991.0516682208434	2989.83343	69.88497443813205	71.1131891696011
438	225	166198	-82521.141313	940237.3170250766	39.4567973804803	-101.091542	120052.2271160317	4399567.928238541	3187.52831526512	360.920830175678	2989.196345214192	2988.900496148567	70.009486148567	70.42197105
439	225	166199	-81861.141313	940237.3170250766	39.4568030406388	-101.0892059	120253.252466821	4399563.59040051	3187.59526224544	360.874208355818	2987.705641057558	2987.721178234437	69.722672962031	69.7275011237101
440	225	166200	-81201.141313	940237.3170250766	39.45680587895109	-101.0868697	120454.2792014789	4399561.57179335	3201.6183514120244	360.736585260661	2986.3240537177472	2986.558900121316	69.430834318887	69.2040851330475
441	225	166201	-80561.141313	940237.3170250766	39.45681140870964	-101.0845335	120655.304089095	4399561.53364878	3203.4771809175944	360.605421	2985.009918303425	2985.2351542470483	69.0550307125895	68.83026713398158
442	225	166202	-79891.141313	940237.3170250766	39.4568193339546	-101.0821974	120856.3305854491	4399541.475	3205.33600989544	360.352748897578	2984.3759085474816	2983.4842889832718	68.90980431229391	68.53745988
443	225	166203	-79221.141313	940237.3170250766	39.4568250284076	-101.0798512	121057.35691503314	4399537.4371566258	3204.723316754442	360.223316754442	2983.1688725178135	2982.278486807521	68.8545910366284	68.4549765849076
444	225	166204	-78561.141313	940237.3170250766	39.45683042721334	-101.077525	121258.381269549	4399533.39626017	3204.86525502132	360.094001226523	2982.13915370586	2980.17800144026	68.80122512	68.4995948519145
445	225	166205	-77901.141313	940237.3170250766	39.45683578	-101.0751888	121459.4063503223	4399529.39174336	3199.067255260213	360.4455728024765	2978.428136240765	2978.8033975456822	69.02743859571547	68.65230330479844
446	225	166206	-77241.141313	940237.3170250766	39.45684108057238	-101.0728527	121660.431256408	4399525.32439781	3198.197986080004	360.445733696885	2976.70570385131	2977.0436187681635	69.023488174547	68.8051186015251
447	225	166207	-76581.141313	940237.3170250766	39.45684633955883	-101.0705165	121861.4558988154	4399518.292719376	3196.639631417814	360.34470385417	2974.8920785331266	2974.3340783177437	69.3698918523474	68.8179406773023
448	225	166208	-75921.141313	940237.3170250766	39.4568515534166	-101.0681803	122062.4805471533	4399517.250250245	3200.42121654890224	360.469013374581	2973.458312146991	2973.7288919901427	69.2367012275895	68.96611471555914
449	225	166209	-75261.141313	940237.3170250766	39.4568567214559	-101.0658442	122263.5048318551	4399513.39174336	3204.274468807224	360.41468881140175	2972.200710980175	2972.16930243805	69.0305569	69.0305569
450	225	166210	-74601.141313	940237.3170250766	39.45686184574589	-101.063508	122464.5291431314	4399509.17603717	3207.9872936317	360.3916391360552	2970.297409667285	2970.315504157469	69.3264139	69.300872033745
451	225	166211	-73941.141313	940237.3170250766	39.456866924217366	-101.0611718	122665.5531811835	4399505.14095047	3208.768071	360.328360819054	2968.422636190322	2968.350053789176	69.6792463	69.57292470413632
452	225	166212	-73281.141313	940237.3170250766	39.45687195756014	-101.0588357	122866.57042202	4399501.10449954	3209.5471071262304	360.36631053954654	2966.65953490212	2966.4843755221783	69.6792463	69.57292470413632
453	225	166213	-72621.141313	940237.3170250766	39.45687694577413	-101.0564995	123067.6073844506	4399497.08651025	3209.36271032861	360.33511744680153	2965.000573501207	2964.802718007448	69.1168725884619	70.29648192930517
454	225	166214	-71961.141313	940237.3170250766	39.4568818888594	-101.0541633	123268.6242580644	4399493.03278754	3209.10507213691	360.30419829189158	2963.4680781275924	2963.344792812816	70.179116426552	70.29719648
455	225	166215	-71301.141313	940237.3170250766	39.4568867681577	-101.0518271	123469.676052841	4399489.987128132	3209.39561313955	360.3021727527224	2961.6895598872805	2961.492406263624	70.4031675899183	70.808314902277923
456	225	166216	-70641.141313	940237.3170250766	39.45689164	-101.049491	123670.6487018049	4399484.961154149	3204.192473139989	360.30703037921827	2959.395449695868	2958.957066	71.3076263347781	71.7462421338427
457	225	166217	-70001.141313	940237.3170250766	39.4568964345831986	-101.0471845	123874.6735234144	4399480.92867798	3204.9092162868164	360.30703037921827	2957.131935287024	2956.131935287024	71.3076263347781	71.7462421338427
458	225	166218	-69341.141313	940237.3170250766	39.45690120911225	-101.0448186	124072.716145926	4399476.8194055149	3217.885551187207	360.277335587136417	2955.817062925172	2955.20864630795	71.916458740555	72.5248120824664
459	225	166219	-68681.141313	940237.3170250766	39.45690592735577	-101.0424824	124273.738374191	4399472.587249575	3194.412831167026	360.2623447727896	2954.857891972049	2954.149297908179	71.736886007464	72.08518006
460	225	166220	-68001.141313	940237.3170250766	39.4569105996680	-101.0401463	124474.76162490	4399468.76816457	3190.887874355562	360.24734946	2954.45223833043	2953.263400590373	70.2807057695966	71.4714052962790
461	225	166221	-67341.141313	940237.3170250766	39.45691526851564	-101.0378101	124675.841796224	4399464.788415425	3187.338952935023	360.2340630163806	2953.731100895875	2953.094007793123	70.6512760704539	70.6512760704539
462	225	166222	-66681.141313	940237.3170250766	39.4569198090861	-101.0354739	124876.8065257892	4399460.75407232	3183.819916231434	360.22754132068177	2953.653021655059	2950.735823	71.01813094	71.01813094
463	225	166223	-66021.141313	940237.3170250766	39.456924345831986	-101.0331737	125077.82828	4399457.82828	3202.474927792725	360.2274927792725	2953.757659769584	2953.757659769584	71.3076263347781	71.7462421338427
464	225	166224	-65361.141313	940237.3170250766	39.4569287362889	-101.030816	125278.58710050511	4399452.68679345	3179.3131122656	360.1810360929911	2952.6859829911	2948.794576710071	68.851702103937	70.009520953388
465	225	166225	-64701.141313	940237.3170250766	39.45693338249691	-101.0284654	125479.871	4399448.64237514	3177.605818587818	360.2341490839065	2955.38567614819	2955.2738126691843	69.5858112425459	69.6792463
466	225	166226	-64041.141313	940237.3170250766	39.4569376853604	-101.0261922	125680.9320494956	4399443.630175717	3175.819161	360.21587703204573	2954.570320086173	2954.24819604196084	69.0607630339554	69.0607630339554
467	225	166227	-63381.141313	940237.3170250766	39.45694202426276	-101.023793	125881.914998378	4399439.587134231	3174.4743132957938	360.1442402309957	2957.470110648194	2958.6334977988	69.5858112425459	69.6792463
468	225	166228	-62721.141313	940237.3170250766	39.45694635327634	-101.0214659	126082.936240957	4399436.5542992167	3173.565694846877	360.130068194882324	2957.15210738742	2956.645369	69.5858112425459	69.6792463
469	225	166229	-62061.141313	940237.3170250766	39.45695001960005	-101.0191207	126283.9565762044	4399432.521670875	3172.6751073957525	360.1157223252054	2954.98143539811	2953.26939469456	69.3698918523474	68.96611471555914
470	225	166230	-61401.141313	940237.3170250766	39.45695484070356	-101.0167845	126484.977851491	4399428.48924896	3171.746574489895	360.10196928952	2954.16520140337	2953.653021655059	69.3698918523474	68.96611471555914
471	225	166231	-60741.141313	940237.3170250766	39.45695960156818	-101.0144483	126685.98798187	4399424.4503617	3170.811080819707	360.9087479371802	2948.794576710071	2948.794576710071	68.851702103937	70.009520953388
472	225	166232	-60081.141313	940237.3170250766	39.456963147363815	-101.0121121	126887.0184297416	4399420.42502782	3168.845495196903	360.274499165003	2947.342134040474	2947.342134040474	69.6172876	69.5858112425459
473	225	166233	-59421.141313	940237.3170250766	39.4569672300053	-101.009776	127088.03870882	4399416.39232238	3167.228809514714	360.5053415062614	2945.21632	2943.706633795213	69.736633795213	69.736633795213
474	225	166234	-58761.141313	940237.3170250766	39.4569717350827	-101.0074398	127289.0588195269	4399412.36162512	3165.60273824852	360.5667864923516	2943.185277176557	2943.185277176557	69.736633795213	69.736633795213
475	225	166235	-58101.141313	940237.3170250766	39.45697526888708	-101.0051036	127490.078167187953	4399408.30237122	3163.688026905926	360.5833903092337	2942.30290016327	2942.30290016327	69.736633795213	69.736633795213
476	225	166236	-57441.141313	940237.3170250766	39.45697992	-101.0027674	127691.0868	4399404.29054204	3159.927196124532	360.601305493926226	2942.0512875496	2942.0512875496	69.736633795213	69.736633795213
477	225	166237	-56781.141313	940237.3170250766	39.456984249676	-101.0004283	127892.0184297416	4399400.42502782	3158.845495196903	360.274499165003	2947.342134040474	2947.342134040474	69.6172876	69.5858112425459
478	225	166238	-56121.141313	940237.3170250766	39.45698982	-100.998051	128093.1375812047	4399396.323770671	3157.819161	360.21587703204573	2954.570320086173	2954.24819604196084	69.0607630339554	69.0607630339554
479	225	166239	-55461.141313	940237.3170250766	39.45699079911252	-100.9957589	1282							

ix	iy	ix	iy	X.Lt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRElevLogKg.f	BRElevBothKg.f	SatHtLogKg.f	SatHtBoth.f
561	225	166321	-1.341	1411327	940237.3170250766	39.4571500439125	-100.8041916	344777.1896951469	4396902.402724615	3016.652399719877	2865.7999502847072	2809.5359624156645	2809.645157028927	56.1739876989402776	56.06479281814504
562	225	166322	-681	1413269	940237.3170250766	39.45715011	-100.810854	344978.1930523897	4396908.388816942	3017.890482124696	2809.427012036365	2809.245816586668	2809.3778583259625	54.714851731782346	54.714851731782346
563	225	166323	-21.131	142689	940237.3170250766	39.4571501365104	-100.7985192	345179.1989949164	4396905.475369009	3016.7989314874151	2805.47710265614	2811.029662514954	2811.330625219007	51.17330657096499	51.17330657096499
564	225	166324	3836.85867	73033514	940237.3170250766	39.4571501542199	-100.791783	345380.2047764289	4396913.365218804	3013.3467778006456	2860.84571531263	2813.311587193273	2813.66082859024	47.50704151	47.186052035025
565	225	166325	1298.85867	73033514	940237.3170250766	39.45715004917363	-100.7948469	345581.2104136339	4396906.349687317	3009.9043024133487	2859.220511107545	2814.6715647840651	2814.862943208156	43.588263669384	43.588263669384
566	225	166326	1958.85867	73033514	940237.3170250766	39.45715003779597	-100.7925107	345782.2190912405	4396902.37034361	3008.459724313052	2814.663536214916	2814.663536214916	2814.663536214916	42.92540619302548	42.92540619302548
567	225	166327	1218.85867	73033514	940237.3170250766	39.45714981289004	-100.7901745	345983.2212394841	4396908.32461466	3005.46635505604147	2814.654951307271	2814.654951307271	2814.654951307271	41.2985542314372	41.2985542314372
568	225	166328	3278.85867	73033514	940237.3170250766	39.45714957965274	-100.7878383	346184.2264489618	4396903.3412910865	3006.8466930905517	2814.317932458035	2814.317932458035	2814.317932458035	40.16341059946676	40.2887811135925
569	225	166329	3836.85867	73033514	940237.3170250766	39.457149353897184	-100.7850241	346385.214684964	4396903.3412910865	3006.8466930905517	2814.317932458035	2814.317932458035	2814.317932458035	40.16341059946676	40.2887811135925
570	225	166330	4598.85867	73033514	940237.3170250766	39.45714904092525	-100.7831659	346596.2365975155	4396902.28865134	3009.625796999169	2815.0200323653903	2811.8486415537584	2811.8486415537584	39.3739111158104	39.3739111158104
571	225	166331	5258.85867	73033514	940237.3170250766	39.457148740396816	-100.7808297	346787.2411042655	4396902.278695018	3008.596084584535	2849.366176284273	2809.59087006354	2809.59087006354	39.708022003396	39.78922039516547
572	225	166332	5918.85867	73033514	940237.3170250766	39.4571483218147	-100.7784935	346988.25469673376	4396918.265554237	3007.199940302652	2847.77265201624	2806.952174203415	2807.12554200901726	40.755021411674759	40.58218361998979
573	225	166333	6578.85867	73033514	940237.3170250766	39.4571478543197	-100.7761573	347189.2501	4396910.2534292835	3005.097945455049	2846.04558455049	2803.876237183676	2804.100669901726	41.943917373668127	41.943917373668127
574	225	166334	7238.85867	73033514	940237.3170250766	39.4571474319973	-100.7738211	347390.254	4396910.2534292835	3002.994130910908	2844.375433165014	2804.468534583464	2804.691574	43.8385953753159	43.8385953753159
575	225	166335	7898.85867	73033514	940237.3170250766	39.45714690518965	-100.771485	347591.258914927	4396906.22586114	3009.739237910187	2842.700243709103	2796.5912634807353	2796.8675966531696	46.108960248367516	46.108960248367516
576	225	166336	8558.85867	73033514	940237.3170250766	39.45714631490793	-100.7691489	347792.262594373	4396902.22	3006.32271488804	2841.020315711678	2789.956604947095	2790.167348216465	51.06371076	51.06371076
577	225	166337	9218.85867	73033514	940237.3170250766	39.45714574310799	-100.7668126	347993.2644949156	4396906.212	3009.925309187187	2839.33616228499	2783.590039969007	2783.78436719311	55.74585242373653	55.74585242373653
578	225	166338	9878.85867	73033514	940237.3170250766	39.45714508117876	-100.7644764	348194.270158185	4396902.041468517	2998.513468685344	2837.648149	2777.376787791937	2777.376787791937	59.9921053711806	59.9921053711806
579	225	166339	10538.85867	73033514	940237.3170250766	39.45714438231203	-100.7621402	348395.27	4396909.19507193	2981.842365296876	2835.956946040266	2791.293050505283	2791.399100937306	64.663961356433	64.5748570715905
580	225	166340	11198.85867	73033514	940237.3170250766	39.4571436393224	-100.759804	348596.27713452966	4396896.182	2976.891264296475	2834.26886224484	2765.38433897406	2765.2963261871475	68.96907175	68.96907175
581	225	166341	11858.85867	73033514	940237.3170250766	39.4571428615134	-100.7574678	348797.2804027505	4396892.12201308	2971.952306596074	2832.565510252634	2759.749661065646	2759.749661065646	72.91858895	72.91858895
582	225	166342	12518.85867	73033514	940237.3170250766	39.457142018169845	-100.7551136	348993.285546577	4396897.162696724	2967.30762896573	2830.86565718867	2755.9862471699174	2755.9862471699174	74.87931654899549	74.87931654899549
583	225	166343	13178.85867	73033514	940237.3170250766	39.45714126023778	-100.752745	349195.3086137417	4396890.031901881	2948.51920582143	2826.949828103695	2746.215829394776	2746.215829394776	77.1832014474979	77.1832014474979
584	225	166344	13838.85867	73033514	940237.3170250766	39.45714042158834	-100.7504593	349400.2893304313	4396890.1478426	2958.2532003531627	2825.4581005518726	2749.624542750217	2749.613864696923	78.835577665084	77.8442538923963
585	225	166345	14498.85867	73033514	940237.3170250766	39.45713925	-100.7481231	349601.2902145325	4396891.362895428	2952.751020389163	2825.75100371304	2747.385540950947	2747.421125096325	79.35546212	79.35546212
586	225	166346	15158.85867	73033514	940237.3170250766	39.4571382309057	-100.7457869	349802.245532281	4396892.12733364	2949.30109944430095	2824.019494235034	2746.11569613358	2746.11569613358	77.92242531014517	77.8860384397513
587	225	166347	15818.85867	73033514	940237.3170250766	39.45713717399775	-100.7434507	350003.296466325	4396895.19217095	2946.352712740948	2822.331732905377	2745.83593315712	2745.83593315712	76.487839166469	76.487839166469
588	225	166348	16478.85867	73033514	940237.3170250766	39.45713606977515	-100.7411785	350204.29993497256	4396894.11103774	2943.435624479284	2820.620084124894	2745.682435287623	2746.055833678798	74.9373738837075	74.5641743569156
589	225	166349	17138.85867	73033514	940237.3170250766	39.45713496204378	-100.7388473	350405.3013985147	4396890.1085747	2940.51920582143	2816.91041116558	2746.215829394776	2746.215829394776	77.8989271767518	77.8989271767518
590	225	166350	17798.85867	73033514	940237.3170250766	39.45713372594314	-100.7365014	350606.3035780504	4396890.44738757	2937.6021879128	2817.0312971838	2741.735149689473	2741.735149689473	79.1694042	79.1694042
591	225	166351	18458.85867	73033514	940237.3170250766	39.4571324963323	-100.7341059	350807.3057131384	4396892.08002813	2934.656549935424	2815.4994691449006	2736.302145240026	2736.302145240026	79.4320733046473	79.4320733046473
592	225	166352	19118.85867	73033514	940237.3170250766	39.45713120159406	-100.7317697	351008.3068414234	4396890.08713476	2931.7088953705924	2813.79815949513	2733.5177069577504	2733.5177069577504	80.28013999176282	80.46268779064484
593	225	166353	19778.85867	73033514	940237.3170250766	39.45712987172561	-100.7294335	351209.30836740346	4396890.37026614	2928.7519682877404	2812.099592305416	2731.358742380886	2731.358742380886	80.7408499236292	80.7408499236292
594	225	166354	20438.85867	73033514	940237.3170250766	39.45712846727904	-100.7270974	351410.399	4396890.37026614	2926.90075004888	2810.420350894887	2729.5972125175683	2729.5972125175683	81.0697147056959	81.0697147056959
595	225	166355	21098.85867	73033514	940237.3170250766	39.45712746161534	-100.7247812	351611.3108808137	4396890.6078283	2922.77142427195	2808.702451771228	2728.171251144626	2728.171251144626	80.40072696	80.40072696
596	225	166356	21748.85867	73033514	940237.3170250766	39.45712642009595	-100.722425	351812.3120350525	4396892.03810081	2920.92102582143	2806.9497711635	2726.89011314627	2726.89011314627	81.032743282366	81.032743282366
597	225	166357	22448.85867	73033514	940237.3170250766	39.45712541066024	-100.7200868	352013.310346562	4396890.047348755	2917.590265179237	2805.29412608213	2725.76208080965	2725.76208080965	83.58745912624	83.58745912624
598	225	166358	23078.85867	73033514	940237.3170250766	39.45712454454451	-100.7177526	352214.318436391	4396890.041292144	2910.502205530799	2803.585193540584	2724.709596622643	2724.709596622643	84.7856091740316	84.7856091740316
599	225	166359	23738.85867	73033514	940237.3170250766	39.4571234080056	-100.7154164	352415.3145695723	4396891.03	2910.50014060686	2801.527176834614	2723.660191942373	2723.660191942373	84.1864157124212	84.1864157124212
600	225	166360	24398.85867	73033514	940237.3170250766	39.45711929027326	-100.7130802	352616.3150320941	4396890.0295187	2911.591178486686	2800.155620313662	2722.607109	2722.607109	85.4851108799176	85.4851108799176
601	225	166361	25058.85867	73033514	940237.3170250766	39.457118206124875	-100.710744	352817.3154138163	4396890.03454823	2912.6843938762054	2798.439284347666	2721.7153105983	2721.7153105983	86.88881312	86.88881312
602	225	166362	25718.85867	73033514	940237.3170250766	39.4571172003176	-100.708479	353018.3155250150	4396890.01918857	2908.77214247195	2796.706910424052	2720.364376179725	2720.364376179725	87.342342442096	87.342342442096
603	225	166363	26378.85867	73033514	940237.3170250766	39.45711624962876	-100.706193								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SatHtLogsKrg.	SatHtBothKrg.
625	166447	81818.8586730335	940237.3170250766	39.5680336256956	-100.598326	17010.838126999164	3885858.323937507	2842.077649953576	26.3544082026982	2596.756392539669	2598.851649181169	42.787898487312946	39.6924328481307	
688	16648	82478.8586730335	940237.3170250766	39.5667974544846	-100.507494	37003.826903821	3885854.336333567	2840.68730852021	26.3616705920431	2592.62804391989	2596.2057044129445	43.9675499054431	40.4103496866965	
689	16648	82478.8586730335	940237.3170250766	39.5667926811915	-100.508163	37010.81556024432	3885850.3489454432	2838.297466740085	26.3584198477827	2594.162897454891	2594.468552288104	44.5088010227366	39.843144881684	
690	16648	82478.8586730335	940237.3170250766	39.5676837580958	-100.5028241	37005.8040821846	3885856.367139817	2837.906762464943	26.32770284762414	2598.39457100679	2594.79682314144	44.3775103565245	38.2942016121275	
691	16648	82478.8586730335	940237.3170250766	39.5676837580958	-100.5004879	37006.7924884773	3885854.4274749085	2838.725916623864	26.304855336671864	2587.114715432715	2595.070107188788	43.74062117391486	35.7852248238945	
692	16648	82478.8586730335	940237.3170250766	39.5676837580958	-100.4981518	37110.7807900076	3885853.38764042	2835.78454379085	26.28416757107892	2585.527427204465	2595.942547199009	43.4124849034274	32.9912851178033	
693	16648	82478.8586730335	940237.3170250766	39.5676837580958	-100.4954156	37130.786825948	3885854.301438382	2830.016459919133	26.27029954902747	2582.886173246985	2595.38728035623	43.718316580495	31.6912286861848	
694	16648	82478.8586730335	940237.3170250766	39.5676837580958	-100.4934794	37150.7985996651	3885850.415007338	2827.138444019433	26.251810293914335	2579.391653394362	2594.655689402745	44.72357450771754	32.17273014116008	
695	16648	82478.8586730335	940237.3170250766	39.56767571619701	-100.4914433	37170.74468702178	3885856.248835664	2827.0171591	26.23205876235195	2575.1733260158	2594.51670745783	44.0322610102568	32.44579328406312	
696	16648	82478.8586730335	940237.3170250766	39.56767571619701	-100.4880071	37200.753767615	3885852.42289851	2827.0171591	26.21298410555	2572.338950568735	2588.57361704604	44.059233368981435	32.7677303059060	
697	16647	82418.8586730335	940237.3170250766	39.5674510536575	-100.4864709	37212.7102327882	3885851451059905	2817.056258437186	26.19375624847095	2564.959202143838	2587.400421462428	44.51462428	31.9751517621628	
698	16648	82478.8586730335	940237.3170250766	39.5673909212519	-100.4841348	37231.707652175	3885851447547971	2817.400339927259	25.9818222384587	2587.086236306384	25.82781125667503	40.3741030619132	35.7852248238945	
699	16648	82478.8586730335	940237.3170250766	39.5673909212519	-100.4817986	37254.6952853495	3885850.48619485	2811.984142820625	26.15549143709415	2585.353915158784	2585.206570814596	40.059233368981435	32.42572892596014	
700	16648	82478.8586730335	940237.3170250766	39.5673909212519	-100.4794625	37271.626823838	3885850.50104525	2810.592926971634	26.13649210098645	2548.087323419179	2585.701185276037	40.196749084685	25.0792653287319	
701	16648	82478.8586730335	940237.3170250766	39.56720616122745	-100.4771263	37291.69697595413	3885852.516107108	2808.205471712364	26.117437028804	2583.011707184466	2582.011726270468	40.6642592383642	29.76022082138734	
702	16648	82478.8586730335	940237.3170250766	39.56714367198205	-100.4747001	37317.658614011	3885848.531381139	2807.841481255733	26.09138142264368	2538.67622610283	2566.72976807647	40.2509197591388	43.20057461789776	
703	16648	82478.8586730335	940237.3170250766	39.56708731453564	-100.472454	37331.6434770073	3885849.45826597	2805.171749	26.0681075804732	2538.16416763354	2555.86462900142	40.0165881413781	52.3161286039017	
704	16648	82478.8586730335	940237.3170250766	39.5670171339639	-100.4701178	37351.630557328	3885840.56249472	2801.275507542263	26.0652693709181	2538.752767	2554.4477067086	40.78101671	52.11521364129614	
705	16648	82478.8586730335	940237.3170250766	39.5669534965417	-100.4677817	37370.6217248381	3885846.75386267	2807.3792605205	26.051240988334	2540.263835891269	2557.740818616057	40.68260291207359	47.3831801872705	
706	16648	82478.8586730335	940237.3170250766	39.5668820021592	-100.4654455	37392.6103819181	3885846.95442621	2793.482304987475	26.03742346882363	2541.8048615506027	2548.642348268004	42.0422313130759	41.50486824123236	
707	16648	82478.8586730335	940237.3170250766	39.5668244564924	-100.4631093	37412.5900268382	3885846.610728176	2789.71705310969	26.02675774982983	2543.20771335026	2566.7457011152004	40.94766414800211	35.92956738309795	
708	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4607372	37432.5765919133	3885847.62715264	2784.710334618224	26.01599553340716	2540.67734087032	2547.1072504136274	40.4819323407154	30.51236045054374	
709	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4584637	37452.6107492655	3885848.67902955	2778.81356734537	25.994043	2540.67734087032	2547.1072504136274	40.4819323407154	30.51236045054374	
710	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4561093	37472.5489387265	3885846.67902955	2778.81356734537	25.994043	2540.67734087032	2547.1072504136274	40.4819323407154	30.51236045054374	
711	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4537647	37492.6348624455	3885846.67902955	2778.81356734537	25.994043	2540.67734087032	2547.1072504136274	40.4819323407154	30.51236045054374	
712	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4514285	37517.520713876	3885846.67902955	2778.81356734537	25.994043	2540.67734087032	2547.1072504136274	40.4819323407154	30.51236045054374	
713	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4490924	37532.5064040975	3885844.72106811	2776.59478384738	25.97125094171406	2543.81941202212	2551.627302177468	40.4819323407154	30.51236045054374	
714	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4467562	37552.92949	3885840.73400308	2775.53287498526	25.956160127	2541.544172480397	2548.61468203946	40.515620631011	48.2657097341529	
715	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4444021	37570.4775424969	3885840.73400308	2775.53287498526	25.956160127	2541.544172480397	2548.61468203946	40.515620631011	48.2657097341529	
716	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4420363	37584.76640804	3885840.73400308	2775.53287498526	25.956160127	2541.544172480397	2548.61468203946	40.515620631011	48.2657097341529	
717	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4397478	37613.34483	3885848.79479425	2776.078606762216	25.9136314683346	2538.10258542009	2540.584396795016	40.515620631011	48.2657097341529	
718	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4374116	37633.403423744	3885843.80325355	2776.078606762216	25.9136314683346	2538.10258542009	2540.584396795016	40.515620631011	48.2657097341529	
719	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4350754	37653.4184213506	3885840.32	2776.078606762216	25.9136314683346	2538.10258542009	2540.584396795016	40.515620631011	48.2657097341529	
720	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4327393	37673.4032081914	3885846.84100435	2776.078606762216	25.9136314683346	2538.10258542009	2540.584396795016	40.515620631011	48.2657097341529	
721	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4304031	37693.3881032381	3885842.96014482	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
722	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.428067	37713.376527414	3885848.67902955	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
723	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4257393	37733.376527414	3885848.67902955	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
724	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4233947	37753.3417422427	3885840.91802135	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
725	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4210585	37774.3260546816	3885843.38763234	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
726	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4187224	37794.3102053652	3885840.959	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
727	16647	82478.8586730335	940237.3170250766	39.5667952595416	-100.4163862	37814.29423974933	3885839.9795855	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
728	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4140051	37833.376527414	3885843.99857278	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
729	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4116382	37853.376527414	3885843.99857278	2774.906617748075	25.8775988224971393	2587.59868224971393	2587.59868224971393	40.515620631011	48.2657097341529	
730	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4093778	37874.2548696828	3885837.041633396	2769.77027142517	25.77429676708956	2581.818186292755	2571.1654871011	40.4819323407154	31.617133858871	
731	16648	82478.8586730335	940237.3170250766	39.5667952595416	-100.4070416	37894.2296	3885833.063	2767.28560067739	25.768062366732	2514.847708895178	2514.7868702517994	41.23885840248418	61.29942344586288	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
73	226	166573	-323242.1413	940897.3170250766	39.45354457107162	-101.9444224	246668.41190728813	4371246.983099108	3821.0406834738597	3612.64970741718905	3509.490730983455	3515.2413329171636	103.15896437354493	97.40837454527683
74	226	166574	-322761.741	940897.3170250766	39.45356662198509	-101.941881	246689.5151	4371242.860295746	3821.8851434574895	3611.307392058246	3506.4447534871246	3506.587502	104.859554271047	104.73189255246232
75	226	166575	-322191.1413	940897.3170250766	39.4535887139819568	-101.9386522	246706.8194212644	4371238.531172176	3821.538951617216	3609.9143043515	3505.538761130456	3498.698845391725	103.62533581746033	97.40837454527683
76	226	166576	-321441.1413	940897.3170250766	39.45361107	-101.9377213	247271.72233396876	4371230.835623438	3820.4234908	3608.6931431686403	3500.8025362531716	3488.397227000643	107.9006091456785	100.2985040683956
77	226	166577	-320781.1413	940897.3170250766	39.45363264826884	-101.9348804	247472.8257663508	4371226.540862552	3819.3067424746807	3607.4055578840357	3498.010674181113	3484.17487	109.3488370292293	123.23060117054568
78	226	166578	-320121.1413	940897.3170250766	39.45365457546242	-101.9325445	247673.92759760378	4371220.459848785	3818.126036958	3606.123860953586	3494.933666310607	3479.17299891645	111.184943225251	126.405106194901
79	226	166579	-319461.1413	940897.3170250766	39.453676404977624	-101.9302086	247875.03040960454	4371212.295632932	3816.782068121222	3604.84128352214	3491.945664097928	3475.235405854016	112.89646425429005	128.60837704601228
80	226	166580	-318801.1413	940897.3170250766	39.45369826137253	-101.9278277	248076.13260220352	4371218.120302039	3815.13062392554	3603.5637157221794	3489.05597119891	3469.889595052414	130.7402360222844	133.867260699714
81	226	166581	-318141.1413	940897.3170250766	39.45372005664702	-101.9253587	248277.234655937	4371214.068415068	3813.479186825985	3602.26884262959	3486.3900121862406	3461.86161604539716	115.8896730835718	140.14502779
82	226	166582	-317481.1413	940897.3170250766	39.45374177	-101.9232008	248476.3362397157	4371209.955041536	3812.827745128416	3600.944397565893	3483.611598453824	3453.53377833033	117.38279784953	147.00419277607
83	226	166583	-316821.1413	940897.3170250766	39.45376343183472	-101.9208649	248678.4376504294	4371205.961416196	3809.2251656302	3599.703562746304	3480.858972048974	3461.306526726633	118.8441101850234	138.3228504
84	226	166584	-316161.1413	940897.3170250766	39.453778509174781	-101.918529	248880.53888168876	4371201.728891539	3805.67132571542	3597.40075358764	3478.12441869097	3465.0533568734	120.282633486972	133.1876217412086
85	226	166585	-315501.1413	940897.3170250766	39.45380666510307	-101.9161931	249081.6382896068	4371197.61131061	3803.1177399994813	3597.104127333365	3475.425640116494	3467.056232566517	121.6784872169269	130.0505037682392
86	226	166586	-314841.1413	940897.3170250766	39.45382826212345	-101.9138572	249282.7405326976127	4371193.50380255	3798.5640027112421	3595.74049627565	3472.704284281006	3464.99561919172	123.08979536166589	127.44442772358434
87	226	166587	-314181.1413	940897.3170250766	39.45384974076367	-101.9115212	249483.64096167102	4371189.391	3795.164105717528	3594.47743171177873	3469.88953489413	3468.824685	124.5881770846008	125.62440992992326
88	226	166588	-313521.1413	940897.3170250766	39.453871200194305	-101.9091853	249684.9411855803	4371185.279107623	3785.917977010676	3593.153022372192	3467.600313119707	3467.932711199352	125.54899105248524	125.2218103762566
89	226	166589	-312861.1413	940897.3170250766	39.45389314542055	-101.9068494	249886.041193586	4371181.167185781	3778.6718482901397	3591.824473901884	3464.505043044849	3467.2811099109121	127.3180536	124.54339390889289
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91	226	166591	-311541.1413	940897.3170250766	39.4539303776184	-101.9021756	250288.240321248273	4371173.94397102	3766.35973464414	3589.1387172565137	3459.26232566858	3461.9476223216607	128.6783915966553	127.1191094
92	226	166592	-310881.1413	940897.3170250766	39.45395656679039	-101.8998416	250489.3366271042	4371168.83267808	3757.77086861048	3586.669133020805	3456.669133020805	3451.55178572504	131.10895294016746	126.1456900379762
93	226	166593	-310221.1413	940897.3170250766	39.45397782053604	-101.8975057	250680.348494896	4371164.71594773	3760.587246848129	3586.4048610596437	3454.212608714245	3457.970993049432	132.1925234719852	128.533679649758
94	226	166594	-309561.1413	940897.3170250766	39.45399905204181	-101.8951698	250881.5371607133	4371160.617015	3757.107082959687	3585.0195634943103	3451.9062416195084	3456.023779404976	132.15235334027	128.959856391264
95	226	166595	-308901.1413	940897.3170250766	39.454020152826615	-101.8928162	251092.650862825	4371156.84047771	3754.3944729872487	3584.05817581987	3450.15865537397	3454.515986380018	132.15235334027	128.959856391264
96	226	166596	-308241.1413	940897.3170250766	39.45404125129041	-101.8904769	251293.19379157627	4371152.389602491	3751.984693107	3582.02184578938	3447.8026591293387	3459.43577940651	134.0409895999916	122.7792704236672
97	226	166597	-307581.1413	940897.3170250766	39.4540623463316	-101.888162	251494.8319019212	4371148.239735589	3749.13582858584	3580.79166207754	3445.964388760966	3469.29148774682	134.0409895999916	122.7792704236672
98	226	166598	-306921.1413	940897.3170250766	39.45408331285434	-101.885826	251695.923686681	4371144.16932274	3746.287148406296	3579.358733093636	3444.280554061907	3463.198028134275	135.07817468744543	116.1607495936128
99	226	166599	-306261.1413	940897.3170250766	39.45410428	-101.8834901	251897.02712982244	4371140.4594639	3737.9144121747436	3577.9144121747436	3442.920709	3465.34665377391	135.07817468744543	116.1607495936128
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101	226	166601	-304941.1413	940897.3170250766	39.454146369679284	-101.8788162	252299.2213781727	4371131.04047771	3731.553140919947	3574.3944729872487	3439.5841598679048	3445.515986380018	134.0409895999916	122.7792704236672
102	226	166602	-304281.1413	940897.3170250766	39.45416745295295	-101.8764823	252500.3811785319	4371127.3717279	3728.029572811667	3573.520181737619	3437.280550443728	3442.82500744175	135.2530410586164	125.6764277861446
103	226	166603	-303621.1413	940897.3170250766	39.454187677145626	-101.8741644	252701.4146423326	4371123.62289234	3725.335322111979	3572.0375900906186	3436.36232762937	3437.53658561684	135.3552326778797	134.10039742491347
104	226	166604	-302961.1413	940897.3170250766	39.454208414639986	-101.8718104	252902.51008981336	4371119.5311283	3723.4655740139637	3570.5464013096357	3435.404891527293	3435.13790978234283	139.5039782315727	134.10039742491347
105	226	166605	-302301.1413	940897.3170250766	39.45422910701297	-101.8694745	253103.608303069	4371115.4042867	3720.577914840296	3569.04788388485	3433.374786	3427.038397396043	135.31309831756529	124.0048596254224
106	226	166606	-301641.1413	940897.3170250766	39.45424975426458	-101.8671385	253304.7027060658	4371111.2968306	3723.729563472236	3567.4542336218295	3432.379122685866	3427.646264831196	135.16331057992629	139.38930787907986
107	226	166607	-300981.1413	940897.3170250766	39.45427035639471	-101.8648028	253505.7982424325	4371107.18843617	3720.741143895703	3566.0031135112622	3430.680965005059	3428.38989534821	137.64022665781022	139.38930787907986
108	226	166608	-300321.1413	940897.3170250766	39.4542913403405	-101.862466	253706.8303251774	4371103.94047771	3718.328729811667	3564.51034049177	3429.0137	3428.1675345281	138.2251146774027	134.821358479716
109	226	166609	-299661.1413	940897.3170250766	39.454311425959584	-101.8601307	253907.985790883	4371098.97274422	3715.9323861	3562.06485458123	3427.0323200403955	3427.93977789545	138.9525431772744	130.1828565791828
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111	226	166611	-298341.1413	940897.3170250766	39.454352317020025	-101.8554588	254310.1779423906	4371090.75932227	3711.341126570005	3559.9110015125307	3423.403996543834	3431.1388674986656	139.4780069882758	125.92619810795104
112	226	166612	-297681.1413	940897.3170250766	39.45437260222584	-101.8531228	254511.22725956748	4371086.65030363	3708.272318185245	3558.3619131126047	3421.250706114998	3430.219125628085	137.1112069976006	125.1469353430623
113	226	166613	-297021.1413	940897.3170250766	39.4543930122328	-101.8507869	254712.36633404566	4371082.63339776	3705.73134975954	3556.804550987333	3419.0049923966203	3429.860726274833	137.7995669698132	126.943381255023
114	226	166614	-296361.1413	940897.3170250766	39.45441337952058	-101.8484508	254913.4601160256	4371078.47255062	3704.4396614057078	3555.23693474728	3416.8110728013	3429.47555289868	138.16015025048	127.10420381976
115	226	166615	-295701.1413	940897.3170250766	39.45443364959678	-101.8461274	255114.59256776	4371074.781613	3702.94089191	3554.1034049177	3414.923313735664	3428.22907114473885	138.2251146774027	134.821358479716
116	226	166616	-295041.1413	940897.3170250766	39.454453745094966	-101.843779	255315.4671025206	4371070.725	3701.5781441163508	3552.06485458123	3412.248623013435	3425.82417892054		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevKgs.ft	BR ElevBothKgs.ft	SatHtKgs.ft	SatHtBothKgs.ft
198	226	166699	-240261.1413	940897.3170250766	39.455972717850884	-101.6498902	72005.5715355719	43707.3014056979	3507.9641298318716	3247.9721744163853	3293.4371097863896	3293.439664371071	134.53506462999576	134.47851004531412
200	226	16700	-239601.1413	940897.3170250766	39.455989123252649	-101.6475542	72206.6452817967	43707.26435613225	315.6874118820815	3226.648616791364	3292.290506813746	3292.8286673934487	134.5319265390434	133.81984814268774
201	226	16701	-238841.1413	940897.3170250766	39.456001849077253	-101.6452181	72240.71980314589	43707.21958074608	3528.410693288162	3225.343178381816	3291.4048617986872	3292.4348741345537	132.8928448123687	132.8928448123687
202	226	16702	-238281.1413	940897.3170250766	39.45602179951146	-101.6428821	72408.79200589026	43707.17866584787	3540.1339755802033	3242.00719141823	3291.063786763483	3291.3453489808404	133.9650055057493	133.9650055057493
203	226	16703	-237621.1413	940897.3170250766	39.4560386981262	-101.640546	72780.8652736112	43707.178055221	3545.3544665298033	3242.7260891271653	3289.2035092970546	3290.8202494529345	133.5225783011077	131.808396742308
204	226	16704	-236961.1413	940897.3170250766	39.4560542498897	-101.6382099	73010.3812625425	43707.16028656673	3545.074761788833	3421.428142599144	3288.286136976535	3290.020710918714	133.1420056411009	131.4074318108702
205	226	16705	-236301.1413	940897.3170250766	39.45607048	-101.6358739	73212.01014789633	43707.160501431	3547.9490854859734	3420.126876306196	3286.654822040673	3288.871869735094	133.21547878931655	131.2547815328701
206	226	16706	-235641.1413	940897.3170250766	39.4560860966961	-101.6335378	73431.0831495688	43707.015171778	3544.5089540505846	3418.820668	3284.39576836125	3283.3395081404	134.42489894879512	130.4867173387886
207	226	16707	-234981.1413	940897.3170250766	39.4561026958753	-101.631218	73649.1553270049	43706.9743383037	3546.015197781352	3417.5039263214	3281.630837388764	3286.819766	134.4702124374277	130.583589293443
208	226	16708	-234321.1413	940897.3170250766	39.456118744445505	-101.6289657	73815.1227230049	43706.9343313074	3543.1241265737943	3416.187123747943	3278.2223964117093	3286.42936011171	130.75771946677833	130.75771946677833
209	226	16709	-233661.1413	940897.3170250766	39.45613474	-101.6265296	74016.2990151782	43706.892546888	3562.606855417225	3418.84816923053	3274.811747724058	3278.077228077843	130.0367682	130.077498582867
210	226	16710	-233001.1413	940897.3170250766	39.4561506842312	-101.6241936	74217.37052459654	43706.86198994715	3555.904564260074	3413.4858342183093	3271.3223673620946	3285.472664209246	129.1634668251465	128.01297018841077
211	226	16711	-232341.1413	940897.3170250766	39.4561668072454	-101.6218575	74418.184114661	43706.810490816	3558.565195482375	3412.0928419543575	3267.9455195482374	3281.57513553626	130.1732420621001	130.1732420621001
212	226	16712	-231681.1413	940897.3170250766	39.45618241919008	-101.6195214	74619.5128759109	43706.769730019	3560.58950489343014	3410.664601912696	3264.828598430014	3271.638280103035	145.8301206939466	130.0263218087025
213	226	16713	-231021.1413	940897.3170250766	39.4561982095027	-101.6171854	74820.583183757	43706.7291319176	3562.613904229965	3409.179716712421	3263.4898110289714	3268.08264	130.7124228890084	130.7124228890084
214	226	16714	-230361.1413	940897.3170250766	39.45621406487811	-101.6148493	75021.6543383204	43706.6832547358	3564.6382779747213	3407.88808	3264.2920352043016	3265.915588834016	143.3951444650034	141.77407805914
215	226	16715	-229701.1413	940897.3170250766	39.4562297367886	-101.6125132	75222.72473756026	43706.647983982	3564.578025551254	3406.140413799603	3264.990747328793	3267.121946077923	141.149665067235	139.0184671186775
216	226	16716	-229041.1413	940897.3170250766	39.456245477354564	-101.6101771	75423.79491476784	43706.616268731	3562.431961595544	3404.593706909567	3264.642709564855	3267.496859706616	139.035097324982	137.067015103764
217	226	16717	-228381.1413	940897.3170250766	39.45626112	-101.6078411	75624.86407605966	43706.564892496	3560.2885738615735	3402.96084582169	3263.57355102473	3269.043789530176	138.3773435574257	133.90710527645842
218	226	16718	-227721.1413	940897.3170250766	39.45627670932996	-101.605505	75825.93460544216	43706.52484544972	3561.143624762462	3401.320533621118	3262.1643815248517	3268.843691283995	138.214756521726607	132.4765875231783
219	226	16719	-227061.1413	940897.3170250766	39.45629257629705	-101.6031689	76027.00411932037	43706.4839961152	3555.8174049200074	3398.672441947923	3260.9594180028996	3261.72487458921	139.0765239189276	131.9986345558914
220	226	16720	-226401.1413	940897.3170250766	39.456307760804116	-101.6008328	76228.07341249494	43706.44329681028	3553.3105450502924	3396.0121369349	3258.959247158862	3260.023391332625	139.0529789779376	131.29816745045895
221	226	16721	-225741.1413	940897.3170250766	39.45632301885315	-101.5981277	76429.1024858952	43706.4015329057	3551.068118370724	3394.083418304231	3258.491819372318	3259.81635247712	139.02810458712	131.29816745045895
222	226	16722	-225081.1413	940897.3170250766	39.45633831776745	-101.5961607	76630.2113375782	43706.36146881834	3548.295754794585	3393.02430355802	3255.820905572111	3256.916073111116	138.84213748369075	130.87133574490026
223	226	16723	-224421.1413	940897.3170250766	39.45635389957492	-101.5938246	76831.2796909515	43706.3202603	3547.092258434735	3392.977933040446	3254.366824306563	3254.933963474727	138.8611107573388	130.87133574490026
224	226	16724	-223761.1413	940897.3170250766	39.4563693224763	-101.5914885	77032.3483248348	43706.279730231	3547.192601890597	3391.2875676159484	3252.672723155443	3253.242373	138.614844965056	130.645195006286
225	226	16725	-223101.1413	940897.3170250766	39.456384359794845	-101.5891524	77233.41657512233	43706.2398562569	3547.292957943645	3389.95209551177	3250.683298875933	3251.598355772494	138.90921067538375	137.9941537862623
226	226	16726	-222441.1413	940897.3170250766	39.4563993216755	-101.5868164	77434.4348	43706.1918	3547.3933076982303	3387.8922242296414	3248.911389101642	3250.01598458817	138.9808538135977	137.876203346297
227	226	16727	-221781.1413	940897.3170250766	39.45641501129126	-101.5844283	77635.552834808	43706.149879994	3547.578435759775	3386.162891799634	3247.162961799634	3248.911389101642	138.9808538135977	137.876203346297
228	226	16728	-221121.1413	940897.3170250766	39.45643016185315	-101.5821427	77836.6198374779	43706.1146456719	3547.83396576897	3384.972592967041	3245.204989542307	3247.064881589747	139.230199504573	137.1471063506643
229	226	16729	-220461.1413	940897.3170250766	39.4564455258728195	-101.5798081	78037.88715362763	43706.07564004956	3548.09578777797	3382.758854580916	3243.3045737205694	3244.594878387355	139.4548683752213	136.1639757235605
230	226	16730	-219801.1413	940897.3170250766	39.4564603164752	-101.577472	78238.7542511363	43706.031481573735	3548.339095788447	3381.0378149134544	3241.316556538175	3242.280715343575	139.7212583596368	135.757099569378
231	226	16731	-219141.1413	940897.3170250766	39.45647573144117	-101.5751359	78439.8213020078	43705.993934044	3547.4242859731485	3379.310854668621	3239.342904212426	3240.36740996628	139.9679504561982	138.934746723388
232	226	16732	-218481.1413	940897.3170250766	39.456490279109104	-101.5727998	78640.87891704943	43705.9531730306	3545.304916711234	3377.576431169301	3237.217032292913	3238.30268416928	140.3599384319172	138.7942397237298
233	226	16733	-217821.1413	940897.3170250766	39.45650519655136	-101.5704367	78841.9543236677	43705.9125522273	3543.185547540038	3375.8348145430036	3235.40506488172	3236.52342719757	139.3138734562466	138.3138734562466
234	226	16734	-217161.1413	940897.3170250766	39.4565203269625	-101.5681277	79043.1024858952	43705.87015329057	3541.068118370724	3374.083418304231	3234.0919054526	3234.0919054526	139.6156351922	138.9626227044
235	226	16735	-216501.1413	940897.3170250766	39.45653538358494	-101.5657916	79244.08646625036	43705.829323499	3540.4944722094524	3372.92867636336	3232.478661436306	3232.92867636336	138.8529796127674	138.8529796127674
236	226	16736	-215841.1413	940897.3170250766	39.45654967	-101.5634555	79445.152522624	43705.789135042	3541.074021962384	3370.566310672463	3232.90364328971	3233.80859279765	137.662673863752	137.662673863752
237	226	16737	-215181.1413	940897.3170250766	39.456564410562414	-101.5611194	79646.21782900253	43705.74910370752	3542.446381230242	3368.7930481133208	3232.484782	3232.87759	136.266265002606	135.9154585217707
238	226	16738	-214521.1413	940897.3170250766	39.4565791	-101.5587833	79847.2831847798	43705.708261213	3542.423243	3367.00961909067	3231.6343923220484	3232.6612825314405	135.37252676861863	134.3483565922648
239	226	16739	-213861.1413	940897.3170250766	39.45659374726285	-101.5564472	80048.34832376754	43705.67499507956	3541.9736119505486	3365.2160283182524	3230.920095717775	3232.6612825314405	135.37252676861863	134.3483565922648
240	226	16740	-213201.1413	940897.3170250766	39.45660834794224	-101.5541111	80249.4132461709	43705.6268708003	3538.100214500544	3363.43158590534	3230.021482053397	3232.49454315033	135.37252676861863	134.3483565922648
241	226	16741	-212541.1413	940897.3170250766	39.45662301685315	-101.5517998	80450.583183757	43705.583183757	3535.8348145430036	3361.0378149134544	3229.021482053397	3232.49454315033	135.37252676861863	134.3483565922648
242	226	16742	-211881.1413	940897.3170250766	39.45663741386905	-101.5494389	80651.5424	43705.54083091	3533.353407	3359.79732155813	3227.901183141434	3230.34168914134	135.892610435632	134.3483565922648
243	226	16743												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogsKrg.	BRELEVBothKrg.	SatGhtKrg.	SatHtBoth.
325	226	168825	-157101.1413	940897.3170250766	39.45786446613017	-101.3555398	297339.1620273913	4370216.600564052	337.3141898717603	3320.500360925403	3126.890148959608	3131.6136661633463	3032071.759297951	98.88649476205983
326	226	168826	-156441.1413	940897.3170250766	39.45769519	-101.3532306	297540.2095097708	4370212.581322479	3376.4464576224224	3329.127990153903	3126.258564662735	3129.7340356763581	30314740356763581	99.438406422094114
327	226	168827	-155721.1413	940897.3170250766	39.45776989047157	-101.3568474	297741.5330975167	4370208.479849494	3372.602576178987	3327.846272618887	3126.1382768989743	3127.3265188987173	303129824831115549	99.438406422094114
328	226	168828	-155121.1413	940897.3170250766	39.45771648995561	-101.3485313	297942.302674537	4370140.33662494	3371.810255374304	3326.4961925408	3126.9781813020217	3126.830338212946	95.51143136821766	99.438406422094114
329	226	168829	-154461.1413	940897.3170250766	39.45772707433078	-101.3461951	298143.34099729316	4370126.350244471	3378.017934004147	3325.129597614308	3129.543378375587	3129.583371134933	95.58622944	99.438406422094114
330	226	168830	-153801.1413	940897.3170250766	39.45773761333225	-101.3438589	298344.3956305335	4370190.20443847	3374.25469352106284	3323.754764933545	3134.326776013345	3134.12944716434	97.427229025094	98.62530388
331	226	168831	-153141.1413	940897.3170250766	39.45774811	-101.3415228	298545.414587595	4370192.29303546	3380.590502296957	3322.3631969719367	3140.8074380448825	3141.3665798644897	97.555207161705418	98.90655979748695
332	226	168832	-152481.1413	940897.3170250766	39.457758556661604	-101.3391866	298746.4874150917	4370188.176306102	3381.8695960239057	3320.953045367826	3147.410636708448	3148.124095	97.8424176433474	98.7285938343245
333	226	168833	-151821.1413	940897.3170250766	39.45776989047157	-101.3368594	298947.5330975167	4370184.106849494	3382.602576178987	3319.1382768989743	3151.952687286286	3151.952687286286	97.63713037400512	98.8436873400276
334	226	168834	-151161.1413	940897.3170250766	39.4577791315313	-101.3345142	299148.578573372	4370180.04070087	3386.589789	3318.073304786813	3153.565871063301	3154.0191702725702	97.63713037400512	98.8436873400276
335	226	168835	-150501.1413	940897.3170250766	39.457789632795167	-101.3321781	299348.623683774	4370175.9854907087	3387.109491505073	3316.61016148825	3152.819894	3153.505257982657	97.63713037400512	98.8436873400276
336	226	168836	-149841.1413	940897.3170250766	39.45779990119188	-101.3298419	299550.6689513719	4370171.925136517	3385.786729366338	3315.1048174220214	3150.9302058330713	3151.282909580867	97.63713037400512	98.8436873400276
337	226	168837	-149181.1413	940897.3170250766	39.4578101254892	-101.3275057	299751.7138	4370167.86489131	3384.468107963535	3314.8670223831668	3149.115564244135	3149.647411889015	97.63713037400512	98.8436873400276
338	226	168838	-148521.1413	940897.3170250766	39.45782032071773	-101.3251695	299952.7580303335	4370163.93033535	3383.14741517604	3312.073441612546	3146.9313190546958	3146.963201852945	97.63713037400512	98.8436873400276
339	226	168839	-147861.1413	940897.3170250766	39.45783045678246	-101.3228334	300153.860351253	4370159.74593717	3383.151571779124	3310.4654008880198	3144.3161862181303	3144.3161862181303	97.63713037400512	98.8436873400276
340	226	168840	-147201.1413	940897.3170250766	39.45784052373048	-101.3204972	300354.84733738465	4370155.6857816715	3384.468107963535	3308.867090245226	3141.7734565547	3143.008246547769	97.63713037400512	98.8436873400276
341	226	168841	-146541.1413	940897.3170250766	39.457850566544394	-101.318161	300555.8144382614	4370151.62643789	3385.81723238465	3307.24584133483	3138.536474502417	3139.34528786726	97.63713037400512	98.8436873400276
342	226	168842	-145881.1413	940897.3170250766	39.457860564229975	-101.3158248	300756.9353456575	4370147.357320684	3387.1492976899367	3305.59464576591	3134.430768423823	3135.458619678585	97.63713037400512	98.8436873400276
343	226	168843	-145221.1413	940897.3170250766	39.45787052	-101.3134887	300957.9790707264	4370143.50841208	3386.78174321356	3303.95252121649524	3129.846688216093	3129.797685501155	97.63713037400512	98.8436873400276
344	226	168844	-144561.1413	940897.3170250766	39.45788042	-101.3111525	301155.0225902891	4370139.3487411054	3384.7843813485534	3302.23639028717	3125.07442454362	3124.966298711753	97.63713037400512	98.8436873400276
345	226	168845	-143901.1413	940897.3170250766	39.4578902651659	-101.3088163	301360.10691550796	4370135.391217571	3382.6955001915903	3300.355004431766	3120.52246	3120.42396785168	97.63713037400512	98.8436873400276
346	226	168846	-143241.1413	940897.3170250766	39.4579001305888	-101.306401	301561.1094535556	4370131.33232314	3380.67688897475	3300.437585208427	3116.22546818533	3116.435163588959	97.63713037400512	98.8436873400276
347	226	168847	-142581.1413	940897.3170250766	39.4579100322574	-101.3039428	301762.158177889	4370127.348547014	3380.67688897475	3300.437585208427	3116.22546818533	3116.435163588959	97.63713037400512	98.8436873400276
348	226	168848	-141921.1413	940897.3170250766	39.45791960254736	-101.301078	301963.1947232372	4370119.21568411	3376.59102028366	3305.50291566234	3108.759328068328	3109.016775667807	97.63713037400512	98.8436873400276
349	226	168849	-141261.1413	940897.3170250766	39.45792928443434	-101.2994716	302164.21732052246	4370113.159291714	3374.565185987392	3303.93152628616	3105.560880257035	3104.894568866261	97.63713037400512	98.8436873400276
350	226	168850	-140601.1413	940897.3170250766	39.45793892109261	-101.2971354	302365.2796238396	4370115.10166956	3372.547210956167	3302.461273634717	3102.777661716936	3101.150360886783	97.63713037400512	98.8436873400276
351	226	168851	-139941.1413	940897.3170250766	39.45794851262241	-101.2947992	302566.321783906	4370110.41691888	3370.30018588717	3301.404703427715	3100.4804501943327	3097.29058111394	97.63713037400512	98.8436873400276
352	226	168852	-139281.1413	940897.3170250766	39.45795805902367	-101.292443	302767.3674938476	4370107.967580492	3367.826605492004	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
353	226	168853	-138621.1413	940897.3170250766	39.45796766029619	-101.2901268	302968.40502525	4370103.9674785	3365.64309463005	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
354	226	168854	-137961.1413	940897.3170250766	39.45797701540405	-101.2877007	303169.8415115969	4370098.87142703	3362.874851081014	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
355	226	168855	-137301.1413	940897.3170250766	39.457986427456184	-101.285445	303370.484880994	4370094.81770294	3361.24189624469	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
356	226	168856	-136641.1413	940897.3170250766	39.45799579	-101.2831183	303571.5296818643	4370090.761	3360.4405510688	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
357	226	168857	-135981.1413	940897.3170250766	39.458005114011624	-101.2807821	303772.57068317	4370086.75488404	3354.639327172546	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
358	226	168858	-135321.1413	940897.3170250766	39.458014389731424	-101.278459	303973.61149213125	4370082.64970409	3353.81798032653	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
359	226	168859	-134661.1413	940897.3170250766	39.45802362022574	-101.2761907	304174.6521089714	4370078.549119035	3348.17465028917	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
360	226	168860	-134001.1413	940897.3170250766	39.45803285029619	-101.2737738	304370.159231869	4370074.3407474	3346.64309463005	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
361	226	168861	-133341.1413	940897.3170250766	39.45804196254736	-101.2714374	304576.73276711383	4370070.84	3344.309346586234	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
362	226	168862	-132681.1413	940897.3170250766	39.4580510409637	-101.2691012	304777.727088293	4370066.428067015	3341.596245845342	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
363	226	168863	-132021.1413	940897.3170250766	39.458060099503076	-101.266765	304978.81256924656	4370062.3785195	3338.508954163212	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
364	226	168864	-131361.1413	940897.3170250766	39.4580690580804	-101.2644288	305179.8523185713	4370058.21903709	3337.854961347546	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
365	226	168865	-130701.1413	940897.3170250766	39.45807805553699	-101.2620926	305380.8918770903	4370054.26346015	3336.20066277846	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
366	226	168866	-130041.1413	940897.3170250766	39.45808766029619	-101.2597564	305581.9310647676	4370050.21083653	3334.546971209996	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
367	226	168867	-129381.1413	940897.3170250766	39.4580972109261	-101.2573738	305782.158177889	4370046.81770294	3332.61859877885	3300.437585208427	3100.437585208427	3100.437585208427	97.63713037400512	98.8436873400276
368	226	168868	-128721.1413	940897.3170250766	39.45810669	-101.255084	305984.090490145	4370042.1037683	3331.309346586234	3300.437585208427	3100.437585208427	3100.437585208427	97.	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	LatBothKrg.ft	SatBothKrg.ft
432	226	166951	-73941.14133	940897.3170250766	39.4586797930774	-101.0611783	322669.5947120586	4369706.367344595	3208.805196562549	3308.333493732396	2966.6725873183145	2966.5276065737553	71.66009005	71.80586879954053
452	226	166952	-73291.14133	940897.3170250766	39.458664779739476	-101.0584821	322870.6185661899	4369702.31032241	3208.830472964948	3306.835977659036	2964.8041227196023	2964.5963007517597	72.031854040131	72.27949044014054
453	226	166953	-72821.14133	940897.3170250766	39.458698976271212	-101.0664959	323271.8418	4369698.3948296193	3208.826981668537	3305.2531941504403	2963.211833242273	2962.141858062355	72.4145188062355	72.43726900813152
454	226	166954	-71961.14133	940897.3170250766	39.4586604728531916	-101.0541696	323272.651434963	4369694.925002418	3208.816905843044	3303.9831762714177	2961.7051458297501	2961.496941534918	72.781254255053	72.86323217322985
455	226	166955	-71301.14133	940897.3170250766	39.458699627015136	-101.0518334	323473.888274136	4369690.223851676	3207.3682162325313	3302.422800884679	2969.5454172534303	2969.1079982922074	72.8773893	73.13480267545157
456	226	166956	-70641.14133	940897.3170250766	39.45870447996711	-101.0494972	323674.711231379	4369686.178786184	3204.2924558932014	3303.964608946512	2966.1598172012004	2966.3320440726995	74.80471722531138	74.80471722531138
457	226	166957	-69981.14133	940897.3170250766	39.45870928778917	-101.047161	323875.7304115805	4369682.152573822	3201.216655510089	3302.9158979084324	2964.089392459032	2963.945129534932	75.426505549032	75.95987890609695
458	226	166958	-69231.14133	940897.3170250766	39.45871405041206	-101.0448247	324076.7566324056	4369678.117502069	3198.140455208979	3202.9901175559582	2962.8227809451296	2962.5951997147248	75.1673361445278	75.73491748485799
459	226	166959	-68661.14133	940897.3170250766	39.45871676804563	-101.0424868	324277.7791750257	4369674.362638193	3198.129681668537	3305.2531941504403	2963.211833242273	2962.141858062355	74.648545266471	74.648545266471
460	226	166960	-68001.14133	940897.3170250766	39.45872340447768	-101.0401523	324478.90144531024	4369670.404797859	3198.963082423759	3204.96781	2962.537775209117	2962.3718448323	72.42304523043273	73.603595687103
461	226	166961	-67341.14133	940897.3170250766	39.45872686777973	-101.037816	324678.823456777	4369666.03327778	3197.2364080589824	3203.45434535324	2962.119110373879	2960.9053659316544	71.3363241614519	72.58806619677658
462	226	166962	-66681.14133	940897.3170250766	39.458732649951806	-101.0354798	324880.84517654987	4369661.97928753	3198.48987938206	3202.9621331454036	2962.3137124667305	2961.532965181	69.6842608767312	71.8288379
463	226	166963	-66021.14133	940897.3170250766	39.45873718699386	-101.0331436	325081.86723409616	4369659.95246507	3198.03393710746244	3300.42975391964685	2962.3386200163104	2947.95858280603	68.1409191801581	72.52098092
464	226	166964	-65361.14133	940897.3170250766	39.458741678905845	-101.0308073	325282.8888	4369653.911416027	3197.5767943020386	3301.0081023510534	2962.72661228145	2947.50716688609	66.2794309209857	71.4393336414461
465	226	166965	-64701.14133	940897.3170250766	39.45874612568783	-101.0284711	325483.9102359588	4369649.787792309	3197.202188605583	3301.54718899265265	2963.367804476195	2949.1407157522512	68.4013731444445	71.4008420714445
466	226	166966	-64041.14133	940897.3170250766	39.458750075281474	-101.0261349	325684.9314869987	4369645.844373544	3197.8364328214666	3301.6089462008076	2963.8418203	2953.259647396616	62.244021160557845	62.82719884020075
467	226	166967	-63381.14133	940897.3170250766	39.458754583861644	-101.0237986	325885.952644925	4369641.81116119	3197.85780171565506	3301.640857303002	2963.922168809455	2966.6028511383024	61.78684934371	62.03800614698971
468	226	166968	-62721.14133	940897.3170250766	39.458759195253458	-101.0214624	326086.937472723	4369637.77816133	3197.334995514104	3301.203771341371	2963.445389588504	2969.111256905967	59.75838148252069	54.09255565080139
469	226	166969	-62061.14133	940897.3170250766	39.45876346151523	-101.0191262	326287.9942105384	4369633.745364782	3197.4184289726663	3301.7754162337546	2961.554502539511	2963.329882113807	60.22091364297189	48.0242802
470	226	166970	-61401.14133	940897.3170250766	39.45876786264957	-101.0167899	326489.014779495	4369629.712774831	3197.4785827505097	3301.3560652207046	2948.587404330658	2946.569906	61.7682021230084	45.78570080584436
471	226	166971	-60701.14133	940897.3170250766	39.4587718584882	-101.0144537	326690.0317934075	4369625.680391501	3197.052058186971	3300.8414851165634	2946.67818223634	2947.78270209373	62.6573027450109	45.21740240988325
472	226	166972	-60081.14133	940897.3170250766	39.458775995820014	-101.0121174	326891.055410283	4369621.48	3197.12503154162	3300.540440643346	2946.265997257922	2947.4692785317383	67.273486041237	50.0715643259631
473	226	166973	-59461.14133	940897.3170250766	39.45878029357725	-101.0094411	327075.3210410545	4369618.719441142	3197.1474698	3300.412937075014	2946.2154060513	2949.421408138923	63.8311441	50.131614832275
474	226	166974	-58761.14133	940897.3170250766	39.458784115872746	-101.007445	327293.0536350623	4369613.584	3197.227490270628	3300.75614336778	2932.8809313351508	2946.36570390097	71.87557023303805	61.4195665308214
475	226	166975	-58101.14133	940897.3170250766	39.45878811135382	-101.0051087	327494.115091788	4369605.952525117	3196.74850092116597	3300.869464321974	2933.395165740944	2933.685082288957	63.90518692109281	63.90518692109281
476	226	166976	-57441.14133	940897.3170250766	39.458792061704976	-101.0027725	327695.1346919134	4369601.521575213	3196.70162058043	3300.987676509955	2930.057358332351	2937.18149474231	71.9303182	64.80619702722364
477	226	166977	-56781.14133	940897.3170250766	39.45879596692591	-101.0004363	327896.1584387217	4369598.49341972	3196.681915982467	3300.008159988309	2929.461107966664	2935.635962768585	71.14705202134473	64.96879719273921
478	226	166978	-56121.14133	940897.3170250766	39.458799827016772	-100.9981	328089.172605583	4369597.494963283	3195.5368133181107	3299.230802818678	2929.0304149100805	2934.086518036244	70.2276531766938	65.1444848241355
479	226	166979	-55461.14133	940897.3170250766	39.45880364197375	-100.99586	328298.192148657	4369594.382764346	3195.3187189890964	3297.854608985463	2929.0304149100805	2934.086518036244	69.3384362898758	69.3384362898758
480	226	166980	-54801.14133	940897.3170250766	39.45880711877064	-100.993477	328499.2112021283	4369590.398242126	3195.45385067626	3297.903217252604	2929.0304149100805	2934.086518036244	68.3331441	68.3331441
481	226	166981	-54141.14133	940897.3170250766	39.45881135058196	-100.991093	328700.2298222006	4369585.367025445	3195.44727488430797	3299.09905660574	2927.675891581547	2929.72963	67.4240140703571	65.37027522621747
482	226	166982	-53481.14133	940897.3170250766	39.458814816078366	-100.9887551	328901.244754685	4369581.79315739	3195.4130381956623	3299.716836125153	2926.465305564135	2930.17044110045	65.21803506137013	63.54339661073013
483	226	166983	-52821.14133	940897.3170250766	39.45881845051834	-100.9864188	329102.2666620739	4369577.307911923	3195.3809934541782	3299.338838431784	2925.905208614772	2928.655204971055	66.4268803284062	63.63739398
484	226	166984	-52161.14133	940897.3170250766	39.45882239826121	-100.9840826	329303.2850252413	4369573.278215071	3195.456271647802	3299.304364151507	2925.7018764325444	2927.1905651621	63.74586989929685	63.74586989929685
485	226	166985	-51501.14133	940897.3170250766	39.458825580400778	-100.9817484	329504.3031961881	4369569.248724813	3195.3102623098281	3299.59390668584	2924.3541025444245	2926.216458461144	63.8589241144203	63.8589241144203
486	226	166986	-50841.14133	940897.3170250766	39.45882903315724	-100.9794101	329705.3210410545	4369565.719441142	3195.1474698	3300.412937075014	2946.2154060513	2949.421408138923	63.8311441	63.8311441
487	226	166987	-50181.14133	940897.3170250766	39.45883253697545	-100.9777798	329906.3746250503	4369561.19030440	3195.1349703498287	3298.7419341112103	2922.831188993417	2924.16499954578	63.97014714795634	63.97014714795634
488	226	166988	-49521.14133	940897.3170250766	39.458835945765465	-100.9747376	330107.3563029017	4369557.161493517	3195.3102641087823	3298.343102432886	2921.971970423521	2922.6643847434323	63.7131200935674	62.67816395844921
489	226	166989	-48861.14133	940897.3170250766	39.4588393042426	-100.9724014	330308.3769377026	4369553.133	3195.24664865871	3298.3451625368838	2921.221220971566	2921.8104047653177	62.53485704919911	62.53485704919911
490	226	166990	-48201.14133	940897.3170250766	39.45884267952855	-100.9700652	330509.3901964613	4369549.104732135	3195.12761054208559	3298.54486015896	2920.0798415684496	2920.2527307565197	62.4681704639926	62.29615103302075
491	226	166991	-47541.14133	940897.3170250766	39.45884590315122	-100.9677289	330710.4078085248	4369545.61071264	3195.14716823789281	3299.15341028369	2919.9041258461362	2919.9041258461362	61.2514424251731	64.4283115322607
492	226	166992	-46881.14133	940897.3170250766	39.458849129619345	-100.965401	330911.424876125	4369541.40876328	3195.071711635557	3299.760512511748	2918.329664562676	2915.762323553466	61.43084749497104	63.99418896201354
493	226	166993	-46221.14133	940897.3170250766	39.458852350764865	-100.9630722	331134.55172346	4369539.92902706	3195.00625719357	3299.760512511748	2918.329664562676	2915.762323553466	61.43084749497104	63.99418896201354
494	226	166994	-45561.14133	940897.3170250766	39.458855545765465	-100.9607202	331313.45172346	4369537.92902706	3195.00625719357	3299.760512511748	2918.329664562676	2915.762323553466</		

ix	id	X.1t	Y.1t	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
575	226	16077	92128.858673073351	940897.3170250766	34.58589580943296	-100.7668118	347987.28001782086	3499199.148293383	2992.152531797352	2389.6334259369186	2783.208932713672	2783.545933596565	56.08390905003745
576	226	16078	9878.858673073351	940897.3170250766	34.5859572799732	-100.764795	348198.241942014	3499195.407932535	2987.1883517902525	2877.95437704378	2777.202872457047	2777.550458573726	60.43402147006191
578	226	16079	1038.858673073351	940897.3170250766	34.5859622962081	-100.765193	348399.387810675	3499191.387810675	2986.2541447693215	2866.11447693215	2774.783821658705	2774.8118921456992	64.7893879367769
580	226	16080	11198.858673073351	940897.3170250766	34.5859648671406	-100.769803	348600.2973839425	3499187.76876835	2977.384019415204	2834.5682580398165	2765.300968207543	2765.017185	60.0559611040622
581	226	16081	11858.858673073351	940897.3170250766	34.585968837677	-100.7574668	348801.2937062075	3499183.72871872	2972.502525	2832.897486859575	2760.342975886682	2760.148972954678	72.55450141
582	226	16082	12518.858673073351	940897.3170250766	34.58595486	-100.7551305	349002.2966653	3499179.369	2967.62102960895	2835.20574926916	2756.269973241872	2756.16413715896	75.04163295182661
583	226	16083	13178.858673073351	940897.3170250766	34.5859638631083	-100.7527943	349023.2994563505	3499175.35495751	2932.3359539168	2829.511207560226	2752.8916530486875	2752.850937270895	76.0608529831541
584	226	16084	13838.858673073351	940897.3170250766	34.58593062582204	-100.750458	349404.3027072285	3499174.30416138	2959.3402211972158	2790.0366787293397	2749.9200910449871	77.7736671484043	77.8939458284770
585	226	16085	14498.858673073351	940897.3170250766	34.5859622962081	-100.7481218	349605.3045897485	3499174.542627	2958.246848162684	2791.783821658705	2774.783821658705	2774.8118921456992	78.5415851005619
586	226	16086	15158.858673073351	940897.3170250766	34.58595107973384	-100.7457185	349606.3068124275	3499163.33274669	2955.254454577135	2824.4127457628347	2766.3427810296335	2766.428511176034	79.0596473318122
587	226	16087	15818.858673073351	940897.3170250766	34.5859500621372	-100.7434493	350007.3093870263	3499159.32414623	2941.152133057014	2822.7091468316244	2745.040582222317	2745.5805974416044	79.29969400939622
588	226	16088	16478.858673073351	940897.3170250766	34.58594891636278	-100.741113	350208.31171100536	3499155.31615937	2942.854303903672	2821.004071277172	2744.780204943074	2745.072857	76.2236633409815
589	226	16089	17138.858673073351	940897.3170250766	34.58594776698196	-100.7387768	350409.31305851997	3499151.30831011	2942.824644743206	2819.2994459583865	2743.440221711267	2743.759538430305	75.53995258448296
590	226	16090	17798.858673073351	940897.3170250766	34.58594657247069	-100.7364405	350610.3148013693	3499147.305207862	2940.1185355842895	2817.597754248975	2739.827993476887	2739.923178800173	77.7697607720872
591	226	16091	18458.858673073351	940897.3170250766	34.5859383292903	-100.7341043	350811.3156997595	3499143.29281853	2937.395414041375	2815.899578	2735.5040831517454	2735.6202802154	80.3952947754749
592	226	16092	19118.858673073351	940897.3170250766	34.58594404956566	-100.7317818	351012.3178339537	3499139.2818403	2934.65082194912	2814.203063196198	2732.232512704399	2732.083666654313	81.9710567575984
593	226	16093	19778.858673073351	940897.3170250766	34.58594427	-100.7294318	351213.319163818	3499135.27677622	2931.924422685667	2812.510754071487	2729.889117986511	2729.7426274981	82.6183940167652
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595	226	16095	21098.858673073351	940897.3170250766	34.5859392298811	-100.7247593	351615.3213528306	3499127.264117542	2927.25369415835	2809.13255641585	2726.613420115103	2726.613420115103	83.7373130809863
596	226	16096	21758.858673073351	940897.3170250766	34.5859385766433	-100.7224231	351816.3223220017	3499123.25704243	2926.11841410546	2807.42654072892	2725.457013368086	2725.457013368086	83.8800132090189
597	226	16097	22418.858673073351	940897.3170250766	34.58593694724015	-100.7200688	352007.3226796473	3499119.25110039	2924.894913020526	2805.72727299385	2724.313299982164	2724.705672380365	81.335907116839
598	226	16098	23078.858673073351	940897.3170250766	34.5859359165556	-100.7177068	352218.3236060705	3499115.244801028	2922.84754859998	2804.02485807348	2722.4124265041201	2722.6205451201	81.9376537037324
599	226	16099	23738.858673073351	940897.3170250766	34.5859349100505	-100.7153913	352429.3169271405	3499113.28390646	2920.81792524717	2799.274328910057	2720.324892383485	2720.324892383485	82.6183940167652
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605	226	16105	27698.858673073351	940897.3170250766	34.5859239915229	-100.7013869	353629.3169271405	3499087.20129824	2914.629179187907	2792.6374459579	2714.783821658705	2714.783821658705	86.53674525191005
606	226	16106	28358.858673073351	940897.3170250766	34.58592132256566	-100.699060	353835.3231846694	3499083.202773474	2911.4279524717	2790.1293481183598	2713.9014855664984	2713.9014855664984	87.1532423286014
607	226	16107	29018.858673073351	940897.3170250766	34.58591936082645	-100.6967244	354027.32249504456	3499079.19834169	2910.73164176751	2788.39353454808	2709.793050161222	2709.793050161222	87.2552009054583
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609	226	16109	30338.858673073351	940897.3170250766	34.5859153	-100.6920519	354429.3207202649	3499071.190271572	2916.685343128887	2784.78427269284	2706.087428915084	2697.88511242488	86.990983521457
610	226	16110	30998.858673073351	940897.3170250766	34.58913204859676	-100.6897156	354630.319594943	3499067.16835861	2914.716969350574	2782.9502402760497	2704.7482576179523	2696.0653005789	86.8943621815063
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612	226	16112	32318.858673073351	940897.3170250766	34.58908975200303	-100.685431	355032.3169271405	3499059.12188516	2910.4279524717	2779.274328910057	2709.793050161222	2709.793050161222	87.2552009054583
613	226	16113	32978.858673073351	940897.3170250766	34.58906542720045	-100.6827698	355233.315341648	3499055.176257525	2908.78150988521	2777.4218980882914	2708.58965518284	2685.11811077676	87.233235683741
614	226	16114	33638.858673073351	940897.3170250766	34.58904365079384	-100.6803706	355434.317641377	3499051.17396164	2907.125765433503	2775.56118655065	2704.2185215206034	2684.85217717324	87.2430971289312
615	226	16115	34298.858673073351	940897.3170250766	34.58902432038395	-100.6780344	355635.3195790424	3499047.17056052	2905.63467348183	2773.6932609302603	2702.67357891665	2685.1785623780	86.9213045395393
616	226	16116	34958.858673073351	940897.3170250766	34.5889964407005	-100.6756982	355836.310017261	3499043.16845509	2904.715117897337	2771.817121828341	2701.814061845395	2685.17469382659	86.003094370022
617	226	16117	35618.858673073351	940897.3170250766	34.58897961735384	-100.6733619	356037.3079252737	3499039.166113695	2903.65450110288	2769.93387512953	2701.14476395852	2686.021757599183	87.0891093171707
618	226	16118	36278.858673073351	940897.3170250766	34.58894680321338	-100.6710257	356238.3057003512	3499035.16	2902.597988412936	2768.043743162133	2700.051181765054	2684.228311640892	87.96256149
619	226	16119	36938.858673073351	940897.3170250766	34.5889239915229	-100.6687318	356439.3169271405	3499031.188516	2900.87454859998	2766.8374459579	2700.324892383485	2684.85217717324	88.53674525191005
620	226	16120	37598.858673073351	940897.3170250766	34.5889075	-100.666352	356646.3006390421	3499025.100510242	2900.48208503573	2764.24058260733	2697.616256430443	2681.292427274407	88.9621182995473
621	226	16121	38258.858673073351	940897.3170250766	34.588887157945426	-100.6640169	356841.29819617164	3499023.159037394	2900.75732455655	2762.32815213418	2696.35252526399	2677.902734365211	87.927969313085
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623	226	16123	39578.858673073351	940897.3170250766	34.5888543845444	-100.6593435	357243.295	3499015.15670742	2900.87044023734	2758.4746347871	2693		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
704	226	102378	932378.85867307335	940897.3170250766	39.45852090976497	-100.4724258	737322.6308487359	4386895.736476384	359.329524353526	2440.14758111025	2532.78322938016	2541.8381654493883	76.36142873086919	67.30659266163684
704	226	102378	93038.85867307335	940897.3170250766	39.45851456942113	-100.4701098	737323.61744547383	4386891.752022802	2807.34915081372	2607.5556137893465	2547.2519657106616	2547.3705622599148	72.33996674974796	60.1805152964408
704	226	102378	93698.85867307335	940897.3170250766	39.45849818497771	-100.4651794	737324.60392130393	4386897.767733944	2797.3393271738977	2593.9383576318452	2537.989426744005	2555.2984368474005	68.13519386718142	50.79892727578382
704	226	102378	94384.85867307335	940897.3170250766	39.45850176	-100.4670372	737325.59027620078	4386893.757292649	2793.3389237340696	2604.7532547154656	2540.3356420694	2562.564170115943	64.17682057144	42.18900470381235
707	267	102707	95018.85867307335	940897.3170250766	39.45848258061211	-100.463101	7374126.751046535	4386897.8	2789.2858345874306	2603.50718322826	2542.299841511929	2565.685789867207	61.20734717789675	34.84928436261862
707	267	102708	95678.85867307335	940897.3170250766	39.45848076074995	-100.4607467	7374327.566242815	4386875.81265116	2785.209773	2602.324188411686	2543.617446984648	2572.67182524075	60.68297187271934	29.65273631709086
707	267	102708	96338.85867307335	940897.3170250766	39.45848219575824	-100.4584285	7374528.5486	4386871.83	2781.13709586079	2601.18365839325124	2544.423486929705	2573.54223437256	56.76071467030718	27.641074670567
710	226	102110	96998.85867307335	940897.3170250766	39.45847558653702	-100.4560923	737479.5344914128	43868947.48999133	2787.0566462448	2600.06908510736	2544.697208	2568.700809798076	55.367072558436076	34.43907171260076
710	226	102110	97658.85867307335	940897.3170250766	39.45846930082627	-100.4531791	737493.5204513774	4386893.86678706	2784.08541849284	2598.967550586937	2544.4705175896	2559.782675443877	55.78977409617583	34.43907171260076
712	272	102112	98318.85867307335	940897.3170250766	39.4584622005596	-100.4514379	737511.5057670248	4386899.883761622	2772.2024142555197	2596.747351564486	2543.915693585046	2555.183386117047	52.96055056997	42.6288543743487
712	272	102112	98978.85867307335	940897.3170250766	39.4584554444961	-100.4490837	737532.4913939319	4386855.90114973	2596.789249114896	2542.579153328959	2551.25411020537	2542.1067158253072	45.535714706112685	
714	226	102114	99638.85867307335	940897.3170250766	39.45844863856944	-100.4467474	737553.4767894119	4386891.81742517	2786.44612637502	2595.70529959599	2541.103464587625	2547.790181610226	54.993510703664	47.91511777957654
715	226	10215	100298.85867307335	940897.3170250766	39.45841185888819	-100.4444112	737573.46205658885	4386847.937	2786.44612637502	2595.70529959599	2541.103464587625	2547.790181610226	54.993510703664	47.91511777957654
716	226	10216	100958.85867307335	940897.3170250766	39.45843497178655	-100.442075	737593.447324374751	4386843.95	2770.271967199624	2593.930540909076	2537.93056275811	2541.97323861019	55.6033847142667	51.56070237882514
717	226	10217	101168.85867307335	940897.3170250766	39.45842905115891	-100.4397388	7376136.4324	4386839.92746221	2772.1150003199	2592.4443210323907	2539.776060779953	2539.776060779953	56.73731325	52.67090086075435
718	226	10218	102298.85867307335	940897.3170250766	39.45841208715824	-100.4374062	737637.41787204572	4386835.991157236	2773.95252271915	2591.350711316514	2538.026717014897	2538.267170404092	55.3238407890445	51.14400351042219
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720	226	10220	103598.85867307335	940897.3170250766	39.45840720029937	-100.4327302	737679.38677029614	4386828.029	2775.7504327347	2598.148520667256	2535.810204120047	2536.8886019021425	52.2599187603715	
721	226	10221	104258.85867307335	940897.3170250766	39.4583998957543	-100.4303939	737690.3713370555	4386824.074817526	2775.005173138044	2588.087353804463	2534.8737251720277	2535.5783873564	53.1650102084181	52.6403780882055
722	226	10222	104918.85867307335	940897.3170250766	39.45839274047935	-100.4280577	7377141.3557862482	4386820.068466715	2772.2353013135662	2586.92250373641	2532.968032212207	2532.3432046536747	53.29880939839206	
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724	226	10224	106238.85867307335	940897.3170250766	39.45837830534177	-100.4232853	737754.32432574953	4386812.106	2774.602579952013	2584.661595859485	2529.65931235369	2536.90067941494	56.277377206163	
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726	226	10226	107558.85867307335	940897.3170250766	39.458336860701	-100.4187129	737795.2924114436	4386804.14	2775.889582	2582.377315635087	2523.03463902118	2523.259802811965	59.34005175485685	59.1147335381679204
727	226	10227	108218.85867307335	940897.3170250766	39.4583360875653	-100.4163767	7378146.2762578578	4386800.16059951	2776.121405991737	2520.10999332887	2520.400801218663	2514.10409658154706	60.8132758154706	
728	226	10228	108878.85867307335	940897.3170250766	39.45834886314749	-100.4144005	737847.2602393115	4386896.18651913	2772.60952568028	2580.0372753329	2517.2560918171857	2517.6075069015634	62.7809353614312	63.3665080176547
729	226	10229	109358.85867307335	940897.3170250766	39.45834141873499	-100.4117043	7378548.243559367	4386812.007176433	2775.889582	2585.799365465769	2532.685558022863	2530.794271184888	55.14390647540665	55.00514737281037
730	226	10230	110198.85867307335	940897.3170250766	39.4583100502572	-100.409381	737849.2271719747	4386858.228041391	2767.45830489016	2577.641788963204	2515.5379246802453	2515.4915095363633	62.1038640307516	62.72679731
731	226	10231	110788.85867307335	940897.3170250766	39.45827078	-100.407618	737850.2105722932	4386808.15761125	2774.602579952013	2584.661595859485	2529.65931235369	2536.90067941494	56.277377206163	
732	226	10232	111518.85867307335	940897.3170250766	39.458318745219515	-100.4046594	737819.1302464173	4386812.007176433	2772.2353013135662	2586.92250373641	2532.968032212207	2532.3432046536747	53.29880939839206	
733	226	10233	112178.85867307335	940897.3170250766	39.45831109712256	-100.4023594	737852.17026584	438685.761286259	2767.924931568885	2573.948277281667	2527.402295751352	2526.03495831924	63.39137681354	67.91331894
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736	226	10236	114158.85867307335	940897.3170250766	39.4582788205648	-100.3953058	737965.1258452567	4386854.35723399	2750.540260417267	2570.14529573306	2502.40032307931	2504.260449283812	64.7427029	65.8854769498779
737	226	10237	114818.85867307335	940897.3170250766	39.4582605534277	-100.3930428	738015.1085550533	4386850.27981891	2747.7868853032	2568.857001742397	2503.858995959392	2502.53392	65.004003262848	66.23257839484871
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739	226	10239	116198.85867307335	940897.3170250766	39.4582462082766	-100.3883442	738058.678335184	4386852.4502568	2744.1554053639	2564.118388999545	2498.876514	2513.151195382446	67.3700069107892	
740	226	10240	116798.85867307335	940897.3170250766	39.4582626982625	-100.386006	738075.0560015856	4386845.47433645	2743.119344742072	2564.932351087390	2498.46611133769	2497.984860110272	64.6173395627086	66.9474909771183
1	227	10241	-370941.1413	941557.3170250766	39.45834810345616	-102.1124376	732192.14140903325	4377145.7436572	3935.564147422763	3709.126909638453	3643.360090863183	3643.563136506734	65.7668187526744	65.5637313
2	227	10242	-370281.1413	941557.3170250766	39.45837344375477	-102.1101018	732393.5364607745	4377141.0313904	3939.49078349689	3677.933581914022	3642.010406307556	3642.62782542011	65.93231755936465	65.3057649729144
3	227	10243	-369621.1413	941557.3170250766	39.458368738935344	-102.1077659	732594.6582469665	4377136.88209473	3940.54262485966	3706.73913296152	3642.735622377514	3642.78128264901	66.3261051010124	63.971071132034256
4	227	10244	-368961.1413	941557.3170250766	39.458372389897687	-102.105401	732795.776971611	4377132.752875781	3942.70223083467	3705.542359190173	3642.735622377514	3642.735622377514	63.2667835414157	63.10754411
5	227	10245	-368291.1413	941557.3170250766	39.458372389897687	-102.1031491	732995.776971611	4377132.752875781	3942.70223083467	3705.542359190173	3642.735622377514	3642.735622377514	63.2667835414157	63.10754411
6	227	10246	-367641.1413	941557.3170250766	39.4583734375847	-102.100754	733295.020158023	4377124.94370581	3935.07545450092	3713.14906547935	3638.230246045147	3638.29448023981	64.161364304933	64.84249522
7	227	10247	-366981.1413	941557.317										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
97	227	16329	-312861.1413	941557.3170250766	39.45570532851174	-101.906877	249890.1619929445	4731382.469078615	377.3010414822284	3590.581785656496	3463.903208979898	3463.5101696776915	72.067884746649815	127.077125889890447
98	227	16330	-312201.1413	941557.3170250766	39.455726702587874	-101.905481	250081.2614820335	4731378.357124223	371.476500200771	3589.254105358145	3461.216462946506	3454.892347610718	72.073764140509	134.361167174802373
99	227	16331	-311541.1413	941557.3170250766	39.455748027202645	-101.902025	250292.36072389708	4731374.245379664	3768.534547738325	3587.544547738325	3459.64117330327	3459.381819545278	72.074889851382	128.241946469876
100	227	16332	-310881.1413	941557.3170250766	39.45576931	-101.899869	250493.45971871645	4731370.133844295	3763.4443052018623	3586.56165262919	3458.003534303922	3450.352329066408	72.085620107229677	128.1363619081293
101	227	16333	-310221.1413	941557.3170250766	39.455790541066115	-101.897533	250684.55846672392	4731366.022250002	3760.34605629242	3585.20483385482087	3453.429336162768	3453.617319504489	72.077429644408	129.4303663371958
102	227	16334	-309561.1413	941557.3170250766	39.45581170314748	-101.8951971	250895.65668611676	4731361.91	3757.283005467214	3583.8310333296445	3451.1651515160213	3453.6102211014027	72.0865871346232	130.22071122824173
103	227	16335	-308901.1413	941557.3170250766	39.45583287	-101.892821	251096.7552231002	4731357.80409577	3754.254011871407	3582.465808	3448.86358688087	3452.028267095948	72.0882467795948	130.4182496106603
104	227	16336	-308241.1413	941557.3170250766	39.455837344569	-101.890521	251297.85323188064	4731353.68990461	3751.868691971408	3581.061112248942	3446.7794667875854	3451.57730944362	72.07416454135656	129.4723813045798
105	227	16337	-307581.1413	941557.3170250766	39.4558575072787	-101.888189	251468.569946621	4731349.578183325	3749.263867583898	3579.64468877225	3444.88413123206	3450.245845529383	72.08144786598	130.2486144786598
106	227	16338	-306921.1413	941557.3170250766	39.4558960396782	-101.885831	251700.0485115351	4731345.46902483	3746.702290889585	3578.22589720421	3443.1079705049438	3448.896491183551	72.0811659747744	129.3303961287003
107	227	16339	-306261.1413	941557.3170250766	39.45591689972552	-101.883517	251901.1457370371	4731343.88976211	3744.4886860184965	3576.798711841245	3441.4956915290272	3445.975674008258	72.08330203	131.20294783299005
108	227	16340	-305601.1413	941557.3170250766	39.45593781824085	-101.881181	252102.24289089224	4731337.249119804	3742.605501260727	3575.306455800524	3440.2460595419443	3445.3922450559626	72.0841393587963	129.96821002456136
109	227	16341	-304941.1413	941557.3170250766	39.4559789163389	-101.878845	252303.3389899311	4731333.1947315	3740.8019241267075	3573.913317989314	3438.793991	3440.1470040953714	72.08511932852442	133.76381389394288
110	227	16342	-304281.1413	941557.3170250766	39.45597962	-101.8765091	252504.4312581296	4731329.03030258	3738.9585431808136	3572.457717680051	3436.765089626031	3437.1502277600543	72.0869281998019	135.307494256179
111	227	16343	-303621.1413	941557.3170250766	39.45600045032687	-101.874731	252705.5324163929	4731324.50309017	3736.4816587711017	3570.9941216481972	3435.4511872643266	3436.452245895877	72.0882458981767	136.39316958032036
112	227	16344	-302961.1413	941557.3170250766	39.45602141017638	-101.871871	252906.62846349133	4731320.81171695	3738.37127903615	3569.322696033534	3434.2020835753383	3425.76112643564	72.09028602801514	143.75641265978953
113	227	16345	-302301.1413	941557.3170250766	39.45604418396153	-101.869011	253107.72426570108	4731316.70284008	3736.206883041312	3568.452728356165	3432.521221226206	3417.6448762069376	72.09240570119698	150.4004202667885
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115	227	16347	-300981.1413	941557.3170250766	39.45608308	-101.864829	253509.951378924	4731308.485997807	3740.591790343561	3565.071165748398	3429.4599358209953	3423.36713481361	72.0951132299628373	147.0403093571497
116	227	16348	-300321.1413	941557.3170250766	39.4561034195563	-101.862493	253711.0102082338	4731304.379181277	3738.5847859670614	3563.5747390654865	3427.64971169378	3423.490285820265	72.0962377168843	148.0838091337759
117	227	16349	-299661.1413	941557.3170250766	39.4561241536834	-101.8601571	253912.1053014638	4731300.269890445	3736.57746798382	3562.071963052365	3425.603159033283	3422.5539309402575	72.09768281818077	139.5180538110485
118	227	16350	-299001.1413	941557.3170250766	39.45614642165836	-101.857821	254113.19961868797	4731296.12601309	3734.577205256724	3560.56286572238	3423.6195241738914	3426.7925460785493	72.0987540172428	138.65459607854493
119	227	16351	-298341.1413	941557.3170250766	39.45616904325614	-101.855461	254329.265923681208	4731292.5413674346	3732.654781974893	3558.4564781629345	3421.8665176182943	3424.764152376866	72.0998162376866	142.6913247202593
120	227	16352	-297681.1413	941557.3170250766	39.45619542087009	-101.853149	254515.3805656217	4731287.947200296	3730.034064509627	3557.9276967323	3419.712363576227	3425.65440250696	72.1003101070047	131.9563261124258
121	227	16353	-297021.1413	941557.3170250766	39.456215057921746	-101.850813	254716.8911143447	4731283.840072004	3727.678634658227	3555.9903603419534	3417.324261	3426.6630484508037	72.1006699797203	129.3237118888874
122	227	16354	-296361.1413	941557.3170250766	39.45622604	-101.848477	254917.5752374408	4731279.73151575	3725.323028662956	3554.46596349619	3414.970264549926	3427.003371692319	72.10137379969307	127.443246573017
123	227	16355	-295701.1413	941557.3170250766	39.45624628126638	-101.846141	255118.668893705	4731275.62648011	3723.638258510812	3552.89087892845	3412.327421220693	3424.8517524655194	72.10263637322358	128.0930373272358
124	227	16356	-295041.1413	941557.3170250766	39.45626648	-101.843805	255319.7622168882	4731271.51939969	3719.628506129843	3551.32269789172	3409.828420554433	3420.142337374203	72.1024473437464	131.1803040494516
125	227	16357	-294381.1413	941557.3170250766	39.4562869259284	-101.841469	255520.8550077015	4731267.41846185	3716.617181974893	3549.45432242684	3408.16627330345	3394.744107512418	72.10322171584174	142.6913247202593
126	227	16358	-293721.1413	941557.3170250766	39.4563102556616	-101.83913	255723.9571363457	4731263.3071156105	3713.605189301736	3548.1583921156105	3406.487937	3405.93583130183	72.104704535037	125.6345749049156
127	227	16359	-293061.1413	941557.3170250766	39.45633267674997	-101.836798	255923.4005457266	4731259.201692155	3710.371103319666	3546.562391929072	3405.270911826465	3424.988034094046	72.1054715044068	131.4732385195763
128	227	16360	-292401.1413	941557.3170250766	39.456343681	-101.8344609	256124.13221660902	4731255.09602978	3712.96034901142	3544.966391762546	3404.095347400595	3420.534967344014	72.1062177565954	124.1627183221316
129	227	16361	-291741.1413	941557.3170250766	39.4563636783748294	-101.8321429	256325.22413718648	4731250.990576817	3713.5744057888575	3543.340732622496	3402.958162532297	3410.626395371492	72.1069208995242	130.3827325075748
130	227	16362	-291081.1413	941557.3170250766	39.45638670956273	-101.829789	256526.316913641	4731246.885	3714.106852419305	3541.71439753083452	3401.997353083452	3401.7970441951452	72.107641951452	138.9900757460408
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132	227	16364	-289761.1413	941557.3170250766	39.45642943825614	-101.825118	256928.498130235	4731238.457437	3712.8245514429	3538.45432242684	3400.16627330345	3394.744107512418	72.10901347202593	142.6913247202593
133	227	16365	-289101.1413	941557.3170250766	39.45644621656635	-101.822788	257129.5894130212	4731234.840072004	3709.2778363395823	3536.78623395833793	3398.472126966065	371.7688574	72.109853672277278	144.5390872277278
134	227	16366	-288441.1413	941557.3170250766	39.45646595158786	-101.820448	257330.68013140024	4731230.49648515	3707.231455829264	3535.32085943248	3397.996304668716	3394.712911221027	72.110374763746	140.41899483104498
135	227	16367	-287781.1413	941557.3170250766	39.45648656178582	-101.8181087	257531.7706989465	4731226.36240044	3704.4288399956	3533.4617609593283	3397.1071642112274	3396.504719032357	72.110943549676109	136.957272996026
136	227	16368	-287121.1413	941557.3170250766	39.456503316860394	-101.815727	257732.8608487844	4731222.258	3700.87450753568	3531.780487065905	3396.530197698484	3396.6965074952465	72.111502837106118	135.0848795107325
137	227	16369	-286461.1413	941557.3170250766	39.45652492681152	-101.8134367	257933.95084839425	4731218.15498274	3697.318062	3530.0876560746593	3395.672222751737	3393.64153480784562	72.11243479961178	135.4140996613746
138	227	16370	-285801.1413	941557.3170250766	39.45654496143913	-101.8111006	258135.0400870418	4731214.050831573	3693.76272659725	3528.3645313717177	3394.9467457519634	3396.041727126813	72.11343330417428	132.3433667606786
139	227	16371	-285141.1413	941557.3170250766	39.45656691945254	-101.808768	258342.1301367346	4731210.39823458107	3691.617181974893	3526.45432242684	3400.16627330345	3394.744107512418	72.11401347202593	142.6913247202593
140	227	16372	-284481.1413	941557.3170250766	39.45658348592304	-101.806426	258537.2191252745	4731205.84426696	3684.11570514831	3524.9535782334597	3394.04478117802	3397.971882563042	72.11490811756576	127.0815957175

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	WdL	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
215	227	16455	-227901.1413	941557.3170250766	39.45804257191234	-101.6125335	752526.8179423097	4370886.012896171	3561.935469600673	306.1713355873535	3263.1573731	3266.3262676474274	134.0136050681736	139.84056793992614
216	227	16456	-229041.1413	941557.3170250766	39.45805825599894	-101.6101973	754027.8879011425	4370881.327325399	3558.494933879178	340.0546219270379	3262.599227638641	3264.960200388818	141.96619855432937	137.55562380415222
217	227	16457	-228381.1413	941557.3170250766	39.45807389490482	-101.6078162	756826.9676304537	4370857.849	3557.065806790481	340.0214123554747	3261.7640402198813	3263.263272087042	141.16327213549492	136.6503514868434
218	227	16458	-227721.1413	941557.3170250766	39.45806948875657	-101.6055251	758302.0715384576	4370873.768058186	3554.6270777110894	340.127637811	3260.748196014385	3263.16046579387	138.1159212323982	136.1159212323982
219	227	16459	-227061.1413	941557.3170250766	39.45810505746374	-101.6031889	76031.0964487486	4370848.671859331	3552.315588282797	339.6057297964387	3259.086106062938	3262.0592545932907	140.1566973343888	137.54647353714594
220	227	16460	-226401.1413	941557.3170250766	39.458120541035385	-101.6008528	76232.1562529604	4370845.97122364	3550.1287706067916	339.732580724219	3257.7631171430246	3260.41019438403	140.1604689811943	137.5134387399174
221	227	16461	-225741.1413	941557.3170250766	39.45813599948053	-101.5985167	76433.2343766852	4370841.50294283	3547.9419418518482	339.2332845692163	3256.25657051546	3258.7449602982587	139.97671405407027	137.48823263963536
222	227	16462	-225081.1413	941557.3170250766	39.45815114729911	-101.5961805	76634.30301013036	4370837.418729577	3545.755113634123	3394.53680190017	3254.721307897840	3257.312029740488	139.945187211615	137.4242678174765
223	227	16463	-224421.1413	941557.3170250766	39.45817667808106	-101.5938444	76835.9676304537	4370837.849	3544.737067967616	3392.83398522016	3253.160126	3255.8567268880926	139.67626713850611	137.40766265898953
224	227	16464	-223761.1413	941557.3170250766	39.45818210456465	-101.5915982	77038.4394710031	4370829.20526328	3544.95684072242	3391.129977566228	3251.2176594492582	3254.263869507425	139.653398073567	136.8505897497495
225	227	16465	-223101.1413	941557.3170250766	39.45819738195516	-101.5891721	77237.50759084115	4370825.165706372	3543.218623710228	3389.4210974237667	3249.8518735760053	3252.74371194254	139.5892238477163	136.779520925126
226	227	16466	-222441.1413	941557.3170250766	39.45821261480718	-101.586836	77438.575428222	4370821.08390849	3545.4413934682149	3387.708197435934	3248.201571234912	3251.5952715254634	139.50644620102184	136.7112925910475
227	227	16467	-221781.1413	941557.3170250766	39.45823382573951	-101.5844988	77639.64288035175	4370816.998811909	3545.976190619375	3385.90989552633	3246.76190619375	3250.937809116742	139.42280335519074	135.035389838482097
228	227	16468	-221121.1413	941557.3170250766	39.45824294505111	-101.5821367	77840.7101963464	4370812.9167597	3546.81386621497	3384.2692276670973	3244.9670335457058	3248.94537279712	139.28219221003928	135.32339693738534
229	227	16469	-220461.1413	941557.3170250766	39.45825804245294	-101.5798275	77840.7177397677	4370808.53885808	3547.6546654749897	3382.54293548837092	3243.899956547867	3246.935753450552	139.153339922596	136.1699001
230	227	16470	-219801.1413	941557.3170250766	39.45827309478794	-101.5774814	78242.8441722947	4370804.751240032	3548.495364378988	3380.8126815195337	3241.513703794942	3243.847777201956	139.20889772641163	136.964074317598
231	227	16471	-219141.1413	941557.3170250766	39.45828801196615	-101.5751552	78443.918324225	4370800.68800636	3547.977352785374	3379.072321303303	3239.826051114263	3240.9413965173	139.2501801978555	136.97311733812967
232	227	16472	-218481.1413	941557.3170250766	39.458303064017485	-101.5728191	78644.9774741613	4370796.58669499	3546.071732825565	3377.332940676249	3238.1838272170153	3240.082756454304	139.14911345923387	137.2346640219426
233	227	16473	-217821.1413	941557.3170250766	39.45831789084195	-101.5704829	78846.043983546	4370782.505447258	3547.5820819566497	3375.8208819566497	3236.409788	3238.41064	139.1731936468795	137.17234195780975
234	227	16474	-217161.1413	941557.3170250766	39.45833382573951	-101.5681468	79047.10950447875	4370784.42713417	3542.279474291499	3373.8262531763467	3235.3822983167984	3236.86589240873	139.1435485954268	136.920360760356
235	227	16475	-216501.1413	941557.3170250766	39.45835647940111	-101.5658106	79248.1752929965	4370784.31129633	3541.6313821096337	3372.062381214165	3234.254444857384	3235.460789682405	139.1082482638225	136.90190343901195
236	227	16476	-215841.1413	941557.3170250766	39.45836240565377	-101.5634745	79449.24066411396	4370779.259733885	3542.17600217301	3370.292003072087	3232.7636136146452	3235.634935899576	139.104263667409	136.91524591076511
237	227	16477	-215181.1413	941557.3170250766	39.4583684620187	-101.5610733	79650.136247747	4370774.12109898	3541.574761598735	3368.429640840483	3230.62563894971	3235.24375454088	139.1243925812986	136.91524591076511
238	227	16478	-214521.1413	941557.3170250766	39.4583718865005	-101.5589022	79851.3713549684	4370772.0976882	3543.3063836346747	3366.7221085103	3230.208552952069	3233.50450839285	139.125778989544	136.91378172914365
239	227	16479	-213861.1413	941557.3170250766	39.4584053482262	-101.556466	80052.4362751172	4370780.01679205	3541.3760484814	3364.92210647523	3230.95773426231	3232.6105000531293	139.136476312913	136.91378172914365
240	227	16480	-213201.1413	941557.3170250766	39.4584213585813	-101.5541299	80253.5009786879	4370763.93234869	3536.95128764504	3363.112995284708	3230.4955125878	3232.5562246946124	139.12717701728624	136.91378172914365
241	227	16481	-212541.1413	941557.3170250766	39.45843589717653	-101.5517937	80454.5654588347	4370759.85588645	3536.289790721679	3361.29807921679	3229.429955004004	3232.599198843056	139.18717542716758	136.920360760356
242	227	16482	-211881.1413	941557.3170250766	39.45845020254778	-101.5494576	80655.623693157	4370755.7753148	3528.101766253037	3359.4815521409164	3228.33423200543	3233.068583111531	139.12311894037353	126.41296832398542
243	227	16483	-211221.1413	941557.3170250766	39.4584646620187	-101.5471674	80856.6937919853	4370751.858888623	3527.661366549683	3357.861366549683	3227.02563454883	3232.54375454088	139.1243925812986	136.91524591076511
244	227	16484	-210561.1413	941557.3170250766	39.4584793782875	-101.5449182	81057.67812985	4370747.812889079	3527.155477330457	3356.8112889079	3224.072870157024	3234.072870157024	139.1243925812986	136.91524591076511
245	227	16485	-209901.1413	941557.3170250766	39.458493464135586	-101.5424491	81258.28213550076	4370743.537	3527.2025145690204	3355.011588369437	3224.205830308276	3229.095287799086	139.80673805811603	129.41937056975171
246	227	16486	-209241.1413	941557.3170250766	39.45850739	-101.5401129	81459.8847634278	4370745.27551314	3513.727766504124	3352.187709202699	3222.8453190914136	3228.0753519430068	139.72710819706924	129.41937056975171
247	227	16487	-208581.1413	941557.3170250766	39.45852207955318	-101.5377768	81660.9479567084	4370735.37155365	3511.894067323444	3350.3483719779215	3221.06883594574	3228.0988982861	139.2794883833474	128.238481497053
248	227	16488	-207921.1413	941557.3170250766	39.45853631957099	-101.5354046	81862.0103050564	4370731.29602474	3510.741018375145	3348.3511754529452	3219.607407423596	3221.893359833244	139.1243925812986	136.91524591076511
249	227	16489	-207261.1413	941557.3170250766	39.458550501	-101.5331044	82063.0736986713	4370727.2058185	3511.5087648275853	3346.672197329783	3218.0942927983322	3217.662051445598	139.1243925812986	136.91524591076511
250	227	16490	-206601.1413	941557.3170250766	39.458564624264	-101.5307633	82264.132477747	4370724.12109898	3510.421201765356	3344.629640840483	3216.70417116268	3219.139195311084	139.1243925812986	136.91524591076511
251	227	16491	-205941.1413	941557.3170250766	39.45857876880504	-101.5284231	82465.19885255656	4370719.036349035	3509.6769977641	3342.9840581308576	3215.02580579188	3218.314208185928	139.1243925812986	136.91524591076511
252	227	16492	-205281.1413	941557.3170250766	39.45859282638681	-101.5260959	82666.2607032285	4370714.95786552	3510.460879251542	3341.135535218224	3212.72147112928007	3214.048098940224	139.1243925812986	136.91524591076511
253	227	16493	-204621.1413	941557.3170250766	39.45860648247974	-101.5237598	82867.3226099691	4370710.9037834	3509.954815865445	3339.2841134163027	3210.7613815612604	3209.59127318550423	139.1243925812986	136.91524591076511
254	227	16494	-203961.1413	941557.3170250766	39.458620812003204	-101.5214236	83068.38403304626	4370706.8209568	3509.4488238093436	3337.429861	3208.5527926977664	3207.3054671133496	139.1243925812986	136.91524591076511
255	227	16495	-203301.1413	941557.3170250766	39.45863476129184	-101.5190874	83269.45457626372	4370702.753	3508.01942319236	3335.8193393958584	3206.08967042072	3207.005187580329	139.1243925812986	136.91524591076511
256	227	16496	-202641.1413	941557.3170250766	39.45864861512786	-101.5167513	83470.507489233	4370698.676	3506.667541932977	3333.711652384154	3203.478468787584	3202.5006261821884	139.1243925812986	136.91524591076511
257	227	16497	-201981.1413	941557.3170250766	39.45866273719058	-101.5144048	83679.568136764	4370694.336771	3505.78136764504	3331.843032172284	3201.89175454088	3201.89175454088	139.1243925812986	136.91524591076511
258	227	16498	-201321.1413	941557.3170250766	39.458676273719058	-101.5120789	83872.628944556	4370690.51920951	3505.96326075971	3329.973713242506	3201.89175454088	3201.89175454088		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	BREVElevKgr.f	SatHdg.ft
341	227	16581	-145651.1413	141557.5172025076	39.59966339631164	-101.3181739	300559.95711000414	4730352.873464843	3382.357829778849	312.60706969441817	3142.670218896773	3143.5632936874467	34.3904504740837	63.49737905673499
342	227	16582	-145681.1413	141557.5172025076	39.59967338425344	-101.3115837	300761.0006031196	4730348.814	3384.19715919739	3205.4383421056405	317.6984265470023	3138.656789832386	37.5815621240189	66.7815761240189
343	227	16583	-145721.1413	141557.5172025076	39.59968337867674	-101.313618	3008.0445	4730344.755032343	3383.1936674550487	3177.26487	3132.122193129417	3133.178632328482	71.873232328482	70.168432328482
344	227	16584	-145651.1413	141557.5172025076	39.59963244748514	-101.3111652	30071.0670625058	4730340.696159529	3382.766603719093	3022.134961421186	3126.57402988512	316.67895517127	75.56906525	75.52160057208167
345	227	16585	-143901.1413	141557.5172025076	39.59970313071756	-101.308829	301364.13709699196	4730336.637437475	3381.1998832906826	3190.787670565554	3121.4210313041176	3121.8216882613474	79.0510420512332	78.6503842430083
346	227	16586	-143241.1413	141557.5172025076	39.599711202472542	-101.3064928	301565.1736203328	4730332.578995878	3379.63036	3198.808303210141	3116.8786104139012	3117.086956121281	91.9296020115375	81.7213640583306
347	227	16587	-142581.1413	141557.5172025076	39.597227	-101.3041565	30171.2633898096	4730328.502725924	3377.907863436585	3112.7834264087614	3117.368347305553	34.8840392782374	84.3293814002093	84.3293814002093
348	227	16588	-141921.1413	141557.5172025076	39.5973244218401	-101.3018203	301967.2588620614	4730324.462639474	3370.6236871128827	3195.5587133520107	3108.1185926139497	3109.093730508322	86.4401673806107	86.4401673806107
349	227	16589	-141261.1413	141557.5172025076	39.5974216621888	-101.299684	302168.3011924385	4730320.404809719	3374.1936674550487	3194.0139964022457	3105.9242149354895	3105.43964646244	86.8978146675327	86.8978146675327
350	227	16590	-140601.1413	141557.5172025076	39.59751743124116	-101.2971478	302269.3432770144	4730316.347163453	3374.255568778773	3192.548338777873	3107.0721105896907	3101.506744898045	89.4762523091166	91.0415923807278
351	227	16591	-139941.1413	141557.5172025076	39.5976133	-101.2948116	302570.3853	4730307.28729506	3370.06479431377	3100.06706505355	3100.673887236871	3087.965062924755	90.04533668379	93.2080372555996
352	227	16592	-139281.1413	141557.5172025076	39.597708154563	-101.2924753	302771.427	4730308.223494554	3367.5669305135	3189.871925821307	3098.56054593009	3093.341207946533	91.31138023077254	96.53071787450381
353	227	16593	-138621.1413	141557.5172025076	39.5978033061855	-101.2901391	302972.4685717842	4730304.175421944	3365.094312428884	3188.643919423975	3096.831233879279	3181.8126855446623	96.0340717055434	96.0340717055434
354	227	16594	-137961.1413	141557.5172025076	39.5979893944836	-101.2878028	303173.50993325777	4730300.119	3362.57133892763	3187.467023763166	3094.917770051214	3087.7599664750484	92.54925375804415	99.7047528811744
355	227	16595	-137301.1413	141557.5172025076	39.5980925070514	-101.285466	303374.551101175956	4730296.062505164	3358.991288181998	3186.22480192839	3093.2588408980626	3092.72174955824	97.2097653701529	97.2097653701529
356	227	16596	-136641.1413	141557.5172025076	39.5982061683218	-101.2831303	303575.5920776004	4730292.006	3357.3298219825577	3185.194624033954	3091.1512474850246	3089.301247107305	94.0482145488908	95.8982140386005
357	227	16597	-135981.1413	141557.5172025076	39.5981793782947	-101.280741	303776.8326608494	4730287.9459478	3356.68182201827	3184.088350640105	3089.4076587434292	3087.97852978536	96.1010908587458	96.1010908587458
358	227	16598	-135321.1413	141557.5172025076	39.598271360996	-101.2784579	303977.6734518637	4730283.89343671	3354.00462211795	3182.964567886189	3087.703270993035	3085.280896234992	96.65173698318544	96.65173698318544
359	227	16599	-134661.1413	141557.5172025076	39.598364444386	-101.2761216	304178.1738507224	4730279.83770012	3348.50712556463	3181.88101930009	3086.1943617427375	3085.07496642624	96.8668578	96.8605523687164
360	227	16600	-134001.1413	141557.5172025076	39.59845630042565	-101.2737854	304379.7540576721	4730275.78132889	3347.174049261865	3180.77383060139	3084.575730079827	3083.856204685687	96.198108198011	96.198108198011
361	227	16601	-133341.1413	141557.5172025076	39.59854477052061	-101.2714981	304580.79407292197	4730271.7267288	3338.33278962069	3179.6582779172726	3089.091088748745	3085.16857514065	96.6871892439107	94.54169024032112
362	227	16602	-132681.1413	141557.5172025076	39.5986338	-101.2691129	304781.8336965175	4730267.61260339	3342.49667657672	3178.53186753496	3081.4544114180976	3081.371348606087	97.077461166623	97.077461166623
363	227	16603	-132021.1413	141557.5172025076	39.5987326808714	-101.266824	304985.1021381845	4730262.93127655	3340.519027354058	3177.26487	3083.65925823777	3083.65925823777	98.0171738410039	98.0171738410039
364	227	16604	-131361.1413	141557.5172025076	39.59881921175504	-101.264404	305183.912705193	4730259.561939529	3338.8729224347034	3176.20425784818	3082.42968200915	3082.297501482773	97.8105757625057	93.9427563540085
365	227	16605	-130701.1413	141557.5172025076	39.5988908113413	-101.2621041	305384.9522	4730255.50140631	3337.235821735257	3175.07300230352	3076.8785368299473	3080.912676178386	98.14945447076047	94.1603304
366	227	16606	-130041.1413	141557.5172025076	39.5989979596272	-101.2597679	305585.991280849	4730251.453	3335.5987032068097	3173.889517558599	3075.3463621073543	3078.294273795435	98.5431554124473	95.94793736314584
367	227	16607	-129381.1413	141557.5172025076	39.5990866561643	-101.2574316	305787.0301502025	4730247.38987618	3334.154326501716	3172.68941011751	3074.37697596908	3074.37697596908	96.2621517905668	96.2621517905668
368	227	16608	-128721.1413	141557.5172025076	39.5991749027017	-101.2550594	305988.068293018	4730243.34507049	3332.9026831785004	3171.47009808885	3071.508289035266	3074.7025217618766	96.7683884849741	96.7683884849741
369	227	16609	-128061.1413	141557.5172025076	39.5992659694951	-101.2527591	306189.1071838415	4730239.923127655	3330.941927354058	3170.292786740623	3069.527463641497	3072.22545897464	98.0171738410039	98.0171738410039
370	227	16610	-127401.1413	141557.5172025076	39.599350397770	-101.2504223	306390.35914575295	4730235.1258	3329.70574465183	3067.43481155917	3070.4841155917	3070.4841155917	98.14945447076047	98.14945447076047
371	227	16611	-126741.1413	141557.5172025076	39.5994360315645	-101.248086	306591.1837	4730231.18459937	3328.1267114491834	3167.8642348743826	3065.2831401117555	3068.3443272138	98.0171738410039	98.0171738410039
372	227	16612	-126081.1413	141557.5172025076	39.599523320518	-101.2457504	306792.2216471754	4730227.131525917	3327.34136437075	3166.300377007085	3063.13389090576	3066.54748162082	98.2544696913189	98.2544696913189
373	227	16613	-125421.1413	141557.5172025076	39.5996036912391	-101.2434141	306993.2587803493	4730223.078581645	3325.53655782466	3165.091483403899	3061.170134994519	3063.9390281776	98.10213480438024	98.10213480438024
374	227	16614	-124761.1413	141557.5172025076	39.59969489916794	-101.2410779	307194.29701819775	4730219.026	3324.2417570112858	3164.79715261396	3059.645973608796	3061.7663204078206	98.10470165551461	98.10470165551461
375	227	16615	-124101.1413	141557.5172025076	39.5997998573534	-101.2387416	307397.3457235324	4730214.97345181	3318.4949873180232	3163.5007325304319	3058.477894274415	3061.313626662714	98.0242302669758	98.0242302669758
376	227	16616	-123441.1413	141557.5172025076	39.59989641210381	-101.2364591	307596.3127152195	4730210.921191	3316.227867404623	3161.21911303087	3057.44892763495	3060.5956964822	98.10470165551461	98.10470165551461
377	227	16617	-122781.1413	141557.5172025076	39.5999948	-101.2340691	307797.4085132133	4730206.86264899	3311.07509616202	3159.940215021733	3057.09418903615	3058.3078678391495	98.0242302669758	98.0242302669758
378	227	16618	-122141.1413	141557.5172025076	39.60003253770424	-101.2317328	307988.453009006	4730202.81743625	3307.3785955341	3158.6201293156814	3056.6173352389415	3057.8311448522416	98.0207946737997	98.0207946737997
379	227	16619	-121461.1413	141557.5172025076	39.6001158190854	-101.2293966	308199.4819076684	4730198.76515292	3306.659294064698	3157.30423587006	3056.063780625414	3057.515154	98.0207946737997	98.0207946737997
380	227	16620	-120801.1413	141557.5172025076	39.6001986	-101.2270603	308401.5812174474	4730194.71440196	3304.4507808009276	3155.973272850925	3055.5528402022792	3056.866792305247	98.0207946737997	98.0207946737997
381	227	16621	-120141.1413	141557.5172025076	39.6002810279431	-101.2247241	308601.55453139	4730190.6336196284	3302.2442711372474	3154.658855715546	3054.7137448568174	3056.028518240516	98.0207946737997	98.0207946737997
382	227	16622	-119481.1413	141557.5172025076	39.60036545541926	-101.222378	308802.59057417	4730186.61192335	3300.033761735217	3153.260562144937	3053.660545010294	3053.660545010294	98.0207946737997	98.0207946737997
383	227	16623	-118821.1413	141557.5172025076	39.60045252645584	-101.2204591	309024.62319617	4730182.618708	3297.92313075454	3151.91133075454	3052.4544917	3052.4544917	98.0207946737997	98.0207946737997
384	227	16624	-118161.1413	141557.5172025076	39.60052545645584	-101.2177153	309204.62319617	4730178.510824997	3294.314507732194	3150.4751374533856	3051.7633694453385	3051.554172406745	98.0207946737997	98.0207946737997
385	227	16625	-117501.1413	141557.5172025076	39.6006060300348	-101.215379	309405.69526829	4730174.40494794						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.	BRElevBothKrg.	SatHtLogKrg.	SatHtBoth.	
467	227	167707	-63381.14133	941557.517020766	39.46056772680436	-101.0238042	358928.99008878565	436984.035399247	3176.054831134233	2914.8228389758477	2901.079625463316	2955.292989828233	63.7432121253171	59.5289058391461
468	227	167708	-62721.14133	941557.517020766	39.46057204	-101.0214678	326081.0114995145	436983.902227229	3175.8348249355953	2903.5865003005	2900.1666326120467	2958.2206634260443	63.7189539	55.1642454004083
469	227	167709	-62061.14133	941557.517020766	39.46057630467765	-101.0191816	326892.0320962127	436983.9490261427	3175.61485485481642	2903.543020618182	2901.3869349787873	2958.560730963662	62.8430437862466	48.596277788383445
470	227	167710	-61401.14133	941557.517020766	39.46058025917764	-101.0167953	326893.052374704	436983.90503324	3175.3949667122118	2903.5368612580055	2904.673400733214	2966.26514739831	63.6152181	42.7040651191366
471	227	167711	-60741.14133	941557.517020766	39.46058470202627	-101.014459	326894.072555197	436983.903268214	3174.2923130280114	2903.124909145174	2943.702056391932	2967.494404036323	65.4228530253963	41.63046877828454
472	227	167712	-60081.14133	941557.517020766	39.46058883030363	-101.0121227	326895.09256903443	436983.916032678	3173.215893802815	2902.72091681915	2939.637788132587	2968.4330248020677	64.0212854932774	45.2878640745412
473	227	167713	-59421.14133	941557.517020766	39.460592318849756	-101.0097864	327096.1124	436983.8394780474	3173.036574525578	2900.32482549717	2936.6909913708241	2954.509595872815	66.9333911708941	51.81478668
474	227	167714	-58761.14133	941557.517020766	39.46059696	-101.0074051	327291.1320905465	436983.840701548	3168.35730298799986	2904.153245101222	2948.544644696346	70.778837	56.505354163652685	
475	227	167715	-58101.14133	941557.517020766	39.4606006514581	-101.0051138	327486.1515992456	436983.8758164427	3168.961975	2903.543020618182	2901.3869349787873	2958.560730963662	62.8430437862466	48.596277788383445
476	227	167716	-57441.14133	941557.517020766	39.46060450500455	-101.0027776	327699.1703936695	436983.84299543	3163.120752687474	2902.156695904414	2930.628750237469	2940.362101588202	71.5281167529335	61.794576203239136
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478	227	167718	-56121.14133	941557.517020766	39.4606126711123	-100.998105	328101.29011682467	436978.681886345	3157.4582466298456	2909.391970815277	2929.445027295367	2935.747395049045	69.9467369	63.64457487647766
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
593	227	167833	19778.8586730335	941557.3170250766	39.46075556591098	-100.7294301	51217.3031125718	439363.648281805	2934.781714370446	212.9194669453501	2728.07169827999	2727.7673665433913	84.4323996250191	85.152102010953
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597	227	167837	22418.8586730335	941557.3170250766	39.4607497484883	-100.7290048	52021.333052180	439362.350507505	2928.426264134488	2806.156611094926	2722.9447857800257	2722.133077496275	83.21201324490039	87.0238342368689
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601	227	167841	25058.8586730335	941557.3170250766	39.46074331681568	-100.7107896	52825.33381534272	439359.430819178	2919.569617675837	2794.34772719383	2718.1286105333768	2717.169426074767	80.21801178	84.18120164
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628	227	167868	42878.8586730335	941557.3170250766	39.46068069865	-100.6476598	58268.2925174416	439361.981354	2894.294484344285	2697.4581011211285	2689.212262469484	2671.8338713132079	61.08425781750409	78.992307750409
629	227	167869	43538.8586730335	941557.3170250766	39.4606779305911	-100.6453232	58463.2752970147	439361.992354	2890.590239335924	2694.291977773822	2685.766967606375	2670.42720574963965	61.08425781750409	78.992307750409
630	227	167870	44198.8586730335	941557.3170250766	39.4606743078614	-100.6429969	58664.2713057582	439361.843543935	2878.495802278594	2745.379994314555	2677.1742109675935	2666.0748267590725	62.0573842388626	79.3051673233802
631	227	167871	44858.8586730335	941557.3170250766	39.4606715858221	-100.6406506	58865.26707834756	439361.753479039	2876.496002738996	2743.4319196	2668.107224238633	2666.7609409748023	61.7313732336652	76.7310165613027
632	227	167872	45518.8586730335	941557.3170250766	39.4606685	-100.6383143	59066.26721490485	439361.853446688	2871.413019696382	2741.457485778932	2670.279343976743	2668.756476686854	61.7781480218845	72.70077117024665
633	227	167873	46178.8586730335	941557.3170250766	39.46066536059016	-100.635978	59267.2582156338	439361.76356	2867.386201159247	2739.496484886897	2672.141118405907	2670.954919800417	61.7781480218845	72.70077117024665
634	227	167874	46838.8586730335	941557.3170250766	39.4606621860202	-100.6336417	59468.2538074147	439361.673764445	2864.551173496575	2737.537119938784	2671.124725623862	2671.001522303041	61.7781480218845	72.70077117024665
635	227	167875	47498.8586730335	941557.3170250766	39.4606590284278	-100.631365	59669.2582156338	439361.5839963	2862.734374390516	2735.7381948478	2670.124725623862	2671.001522303041	61.7781480218845	72.70077117024665
636	227	167876	48158.8586730335	941557.3170250766	39.46065586421156	-100.6291691	59869.2582156338	439361.492354	2860.295739510275	2733.624832101635	2671.124725623862	2671.0015223		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SurfAtkBothKrg.ft	SurfBothKrg.ft
719	227	167959	102938.85867307335	941557.3170250766	39.4602269	-100.4350573	376542.38587475684	388833.197960127	2771.6263730580513	2590.746438398002	2532.8919655171004	2534.690281568291	57.85447288089745	56.05615628710744
720	227	167960	103598.85867307335	941557.3170250766	39.46021963626594	-100.432721	376743.3703443006	386829.216390176	2771.10017326023	2589.628914580013	2532.267197600446	2537.157315287052	57.366091960156736	56.25157616374918
721	227	167961	104258.85867307335	941557.3170250766	39.4602172969912	-100.430348	376815.3546490956	386825.233529627	2770.581159279498	2588.506289680346	2531.4369804177142	2532.11222211043	57.04578544832924	56.39115363100634
722	227	167962	104918.85867307335	941557.3170250766	39.4602057771164	-100.4280485	376915.3389033252	386817.254000545	2770.77030556874	2593.166589005043	2530.503465254533	2537.127355042544	57.0213550042544	56.47532955973417
723	227	167963	105578.85867307335	941557.3170250766	39.46019838075266	-100.4257122	377346.32304720033	386817.273204781	2770.5214704990557	2586.2431326550887	2528.677766075692	2528.966777569134	57.5653664893664	57.3342480817525
724	227	167964	106238.85867307335	941557.3170250766	39.4601911386334	-100.4233759	377547.30474692844	386813.293204205	2771.970254391661	2585.0995254178455	2526.905559560554	2526.90554786057	58.1043725064988	58.1043725064988
725	227	167965	106898.85867307335	941557.3170250766	39.46018385138414	-100.4210397	377748.29092971317	386809.312664315	2773.232294872277	2583.9475923348623	2524.6384417600635	2524.79323806778	59.30874917466035	59.19626853
726	227	167966	107558.85867307335	941557.3170250766	39.46017619004136	-100.4187034	377949.2746951675	386803.299207939	2774.7375554816738	2582.7860623909895	2522.244622698709	2522.3944931535863	60.33962450380155	60.33962450380155
727	227	167967	108218.85867307335	941557.3170250766	39.46016914148389	-100.4163671	378156.258462905	386801.353	2775.020234740574	2581.611526872984	2519.32650381678	2519.32650381678	61.0534728653246	61.0534728653246
728	227	167968	108878.85867307335	941557.3170250766	39.46016117852795	-100.414039	378353.2418784639	386797.7334662	2777.125694454874	2580.423411995841	2518.35016921825	2518.35016921825	62.16407171040746	62.16407171040746
729	227	167969	109538.85867307335	941557.3170250766	39.460154251061434	-100.4116946	378522.252953075	386793.393074181	2786.24936555894	2579.221745296188	2513.9634311949703	2513.9634311949703	63.2583333484563	64.80830345476135
730	227	167970	110188.85867307335	941557.3170250766	39.460146738179674	-100.4093583	378753.2085668055	386789.414565417	2785.37060915887448	2514.1790962343375	2513.5474420042527	2513.5474420042527	64.45945958421908	64.45945958421908
731	227	167971	110858.85867307335	941557.3170250766	39.46013980147488	-100.4070221	378954.19178211683	386785.306540845	2786.306544007616	2516.77819288271	2512.3471979941715	2512.3471979941715	64.82780534115597	64.82780534115597
732	227	167972	111518.85867307335	941557.3170250766	39.4601317698492	-100.4046858	379155.174865131	386781.45673496	2789.04988138257	2515.3545834251	2509.971383509306	2509.971383509306	65.18472621432106	65.18472621432106
733	227	167973	112178.85867307335	941557.3170250766	39.4601239691914	-100.402348	379356.157080251	386777.478124754	2795.732752389876	2516.18322369976	2504.717698886086	2504.717698886086	66.09953789011167	66.09953789011167
734	227	167974	112838.85867307335	941557.3170250766	39.460116235806	-100.400113	379557.140642171	386773.5	2792.53093399687	2517.010309124822	2504.349868385417	2504.349868385417	66.6907217394055	66.6907217394055
735	227	167975	113498.85867307335	941557.3170250766	39.46010846711	-100.397677	379758.1237086175	386769.154216078	2798.76845635918	2517.7364183395954	2504.2441489070348	2504.2441489070348	67.49227043	67.49227043
736	227	167976	114158.85867307335	941557.3170250766	39.4601007130395	-100.3953408	379959.1050808215	386765.54342611	2797.4542872675312	2517.40249626501	2504.2337676327647	2504.2337676327647	68.3235235326353	67.3991944874174
737	227	167977	114818.85867307335	941557.3170250766	39.46009288	-100.3930045	380160.08847630076	386761.565615738	2795.2988286055	2569.1480247063582	2502.7530480410383	2501.389521715044	66.3949766242966	67.76202734385381
738	227	167978	115478.85867307335	941557.3170250766	39.460085601027195	-100.390662	380361.07085750246	386757.588	2793.83249103427	2502.6865479928424	2502.329470648271	2502.329470648271	65.14177692	65.088426159812
739	227	167979	116138.85867307335	941557.3170250766	39.460078333	-100.388332	380625.0531246378	386753.611	2793.88409172436	2566.518346734003	2502.505208519923	2500.67819787895	64.0130621408003	65.831966
740	227	167980	116798.85867307335	941557.3170250766	39.46006912691826	-100.395957	380763.0352779054	386749.63381951	2794.864201865051	2565.18889125101	2492.403249620346	2492.403249620346	72.78554553	72.7012661288885
741	227	167981	117458.85867307335	941557.3170250766	39.46006194740102	-100.393645	380964.0761758162	386745.46752193	2795.84674582877	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
742	227	167982	118118.85867307335	941557.3170250766	39.45548611175679	-100.391244	381239.6773755979	386742.370495537	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
743	227	167983	118778.85867307335	941557.3170250766	39.45541140318591	-100.388931	381512.72644051	386738.5056811	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
744	227	167984	119438.85867307335	941557.3170250766	39.45536618691061	-100.386618	381799.61963997	386734.50267878	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
745	227	167985	120098.85867307335	941557.3170250766	39.4553213697345	-100.384305	382086.71831131	386730.50981634	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
746	227	167986	120758.85867307335	941557.3170250766	39.4552762365315	-100.382033	382373.8212172142	386726.51298334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
747	227	167987	121418.85867307335	941557.3170250766	39.4552311383821	-100.379761	382664.918710586	386722.52608334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
748	227	167988	122078.85867307335	941557.3170250766	39.4551859719471	-100.377489	382956.010710586	386718.53908334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
749	227	167989	122738.85867307335	941557.3170250766	39.455140719471	-100.375217	383247.111710586	386714.55938334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
750	227	167990	123398.85867307335	941557.3170250766	39.4550956522352	-100.372945	383538.2121710586	386710.57968334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
751	227	167991	124058.85867307335	941557.3170250766	39.4550504685857	-100.370678	383829.3121710586	386706.59838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
752	227	167992	124718.85867307335	941557.3170250766	39.4550052719471	-100.368406	384120.4121710586	386702.61868334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
753	227	167993	125378.85867307335	941557.3170250766	39.4549601383615	-100.366134	384411.5121710586	386698.63838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
754	227	167994	126038.85867307335	941557.3170250766	39.454914971196524	-100.363862	384702.6121710586	386694.65838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
755	227	167995	126698.85867307335	941557.3170250766	39.4548698166333	-100.361590	384993.7121710586	386690.67838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
756	227	167996	127358.85867307335	941557.3170250766	39.4548247109215	-100.359318	385284.8121710586	386686.69838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
757	227	167997	128018.85867307335	941557.3170250766	39.4547795119471	-100.357046	385575.9121710586	386682.71838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
758	227	167998	128678.85867307335	941557.3170250766	39.4547343119471	-100.354774	385867.0121710586	386678.73838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
759	227	167999	129338.85867307335	941557.3170250766	39.4546890119471	-100.352502	386158.1121710586	386674.75838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
760	227	168000	129998.85867307335	941557.3170250766	39.4546437119471	-100.350230	386449.2121710586	386670.77838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
761	227	168001	130658.85867307335	941557.3170250766	39.4545984119471	-100.347958	386740.3121710586	386666.79838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	73.05840875
762	227	168002	131318.85867307335	941557.3170250766	39.4545531119471	-100.345686	387031.4121710586	386662.81838334	2795.29721120478	2564.335554788036	2492.403249620346	2492.403249620346	73.05840875	7

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIELogKgr.f	BREIEBotKgr.f	SatHLogKgr.f	SatHBotKgr.f
106	228	168085	-302301.1413	942217.3170250766	39.45785462268877	-01.86995277	253111.84185825146	37431518.001224821	3741.3989858330394	3567.0373945384117	3431.3590249526888	3426.491517816634	316.67368961125322	140.5458762177786
106	228	168086	-301641.1413	942217.3170250766	39.457875210578468	-01.8671917	253312.5937393332	37431518.892387603	3741.5851827808956	3565.574743163998	3429.9147047026236	3420.8409253611743	316.6586023711743	140.54738196021965
107	228	168087	-297871.1413	942217.3170250766	39.457869813758443	-01.8648456	253814.0329006114	37431519.763706394	3741.5354949917313	3564.1065618673777	3428.1739734295495	3419.865426256003	316.6332683672892	140.54311961117746
107	228	168088	-300321.1413	942217.3170250766	39.457916371826066	-01.8625196	253715.12714108147	37431505.675343941	3738.2493352643676	3562.633775	3426.1421742734774	3418.7812544618018	316.609051571124	140.5352043313155
109	228	168098	-299661.1413	942217.3170250766	39.457936884764955	-01.8601835	253916.22174804047	37431501.567136185	3735.9543256604631	3561.235236641751	3424.238846586114	3414.3265402244865	316.61493304363712	140.54869941726454
110	228	168090	-299001.1413	942217.3170250766	39.45795735257493	-01.8578474	254117.31611174834	37431507.459138715	3733.6647194375956	3559.6677424626328	3422.229262423973	3409.766834225828	316.61306386596	140.54286023680477
111	228	168091	-298341.1413	942217.3170250766	39.45797717526999	-01.8555114	254318.10420322165	37431501.3512518	3731.2380045319998	3558.1760171192664	3420.170910216134	3417.7448678030618	316.605106903124	140.54312950618035
112	228	168092	-2987168.1413	942217.3170250766	39.45799815283661	-01.8531753	254519.5014094296	37431489.24373581	3728.671453373841	3556.674505308436	3417.9068110941075	3412.616067894137	316.76883943762529	135.0613826918235
112	228	168093	-2987168.1413	942217.3170250766	39.45799815283661	-01.8531753	254519.5014094296	37431489.24373581	3728.671453373841	3556.674505308436	3417.9068110941075	3412.616067894137	316.76883943762529	135.0613826918235
114	228	168094	-296361.1413	942217.3170250766	39.45800772597874	-01.8489031	254921.69113712085	37431481.023247866	3735.6454747923953	3553.649477923953	3413.109707967964	3424.1847172	140.5397701511743	142.4560205380527
115	228	168095	-295701.1413	942217.3170250766	39.45805901	-01.8461671	255122.7848273808	37431476.922997997	3721.1700451190494	3552.116770111904	3410.495135252331	3420.954655486724	316.6227348657274	131.1632045465215
116	228	168096	-295041.1413	942217.3170250766	39.45807921186286	-01.843831	255323.8719542635	37431461.516515674	3718.791854	3550.5747886134855	3407.495279999791	3411.966717823135	316.6705061556628	138.608077051179
117	228	168097	-294381.1413	942217.3170250766	39.45809936381916	-01.8414849	255524.9696158204	37431468.709031148	3716.4768565156237	3548.4871429989791	3410.1065479659333	3413.5357467	316.6391437982871985	138.610042871985
118	228	168098	-293721.1413	942217.3170250766	39.45811947064126	-01.8391588	255726.0623861007	37431464.602712596	3714.161476234433	3547.4618196990705	3404.63268260462	3416.935286780935	316.6279289424286	138.5058682097696
118	228	168099	-293061.1413	942217.3170250766	39.45819532239916	-01.8368228	255927.1546916316	37431460.49603874	3713.646449	3545.8900462176354	3403.601445724491	3422.283152594027	316.6289059162525	123.6701739326256
120	228	168100	-292401.1413	942217.3170250766	39.45819594891279	-01.8344687	256128.2465109046	37431456.390704968	3714.9855845185708	3544.3096390703463	3402.364418677389	3420.57820619718	316.945209092778	123.7133547171739
121	228	168101	-291741.1413	942217.3170250766	39.45817952063216	-01.8321506	256329.3382171185	37431452.285018572	3716.306719754243	3542.717313829854	3401.3499019388123	3404.4057452	316.947118937108	138.52977136242545
122	228	168102	-291081.1413	942217.3170250766	39.458199446687125	-01.8298145	256530.4296176138	37431448.179536318	3717.6276192402503	3541.113474389269	3400.649670538354	3398.1106291437636	316.9403835091516	138.5028452450534
123	228	168103	-289241.1413	942217.3170250766	39.45821932788776	-01.8274784	256731.52080897525	37431444.074	3717.273056293225	3539.49785432062	3399.951429994837	3395.986689489134	316.5466043471783	143.51109854
124	228	168104	-287961.1413	942217.3170250766	39.45823913963638	-01.8251424	256932.6116697014	37431439.96207387	3715.136278959987	3537.972925380526	3399.186645499285	3398.765745973128	316.6882779812408	144.4741703323096
125	228	168105	-289101.1413	942217.3170250766	39.458258954971537	-01.8228063	257133.7026802975	3743138.86457489	3713.04389489772	3536.204113860826	3398.167849787215	3391.45848666725	316.6271650728674	144.755309335778
126	228	168106	-288441.1413	942217.3170250766	39.45827810041507	-01.8204702	257334.79310657075	37431431.79717324	3710.9334012015447	3534.595860161895	3397.254441	3392.198425264277	317.3454174943895	142.3800154899418
126	228	168107	-28781.1413	942217.3170250766	39.4583041445855	-01.8178744	257595.0349697133	37431417.7177719	3710.9334012015447	3534.595860161895	3397.254441	3392.198425264277	317.3454174943895	142.3800154899418
128	228	168108	-287112.1413	942217.3170250766	39.458318057020404	-01.8151798	257736.9373847072	37431423.51065333	3710.764354	3531.282030352996	3395.960793342477	3391.525066940673	316.6416258780004	141.642586780004
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130	228	168110	-285801.1413	942217.3170250766	39.45835723280653	-01.8112258	258139.1527054603	37431415.34235058	3697.9931292545	3527.912856729304	3394.493420766329	3396.58575550327	316.431435996013	141.3640122265332
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135	228	168115	-282501.1413	942217.3170250766	39.45845438280705	-01.7994453	259144.5986269295	37431394.827347425	3673.9541515181325	3519.34967022356	3393.23620409466	3398.791594506613	316.421704661288958	130.5887242620453
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138	228	168118	-280521.1413	942217.3170250766	39.458511213094715	-01.792437	259747.8604428297	37431382.32059474	3663.778425493344	3514.17224796066	3394.5540576285803	3395.1203013623993	316.4177403323096	130.5887242620453
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140	228	168120	-279201.1413	942217.3170250766	39.458550402433355	-01.787449	260150.0349697133	37431374.6177719	3657.1071728277534	3510.17128277534	3392.70890923093	3401.4974784825	316.421704661288958	130.5887242620453
141	228	168121	-278541.1413	942217.3170250766	39.45856943718888	-01.7854287	260351.12192258614	37431370.2158334	3654.369017043141	3497.29748340066	3394.39630281428	3396.132671095205	316.421704661288958	130.5887242620453
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143	228	168123	-277221.1413	942217.3170250766	39.45860745724726	-01.7807565	260753.2590542764	37431362.01392752	3646.505830904163	3505.58639004163	3369.78793217087	3377.71256612037	316.7989297224536	147.23748413093
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146	228	168126	-275241.1413	942217.3170250766	39.458664141089734	-01.7737482	261356.5529003792	37431349.7096235	3637.690465112757	3500.5677489784066	3352.2757939637	3357.797769	316.421704661288958	130.5887242620453
147	228	168127	-274581.1413	942217.3170250766	39.45868349088894	-01.7715784	261558.63963484	37431345.7182222	3634.754912543484	3500.04974823436	3351.453133153361	3351.453133153361	316.421704661288958	130.5887242620453
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232	228	16812	-21848.1413	942217.3170250766	39.46011580249282	-101.5728383	27849.06686795414	4370977.856010061	3547.275773906644	3377.0817670178226	3238.885796279108	3240.763425827373	33.19596873871478	336.31812443508943
233	228	16813	-21781.1413	942217.3170250766	39.46011932370661	-101.5706021	27850.1329227398	4370983.733773493	3545.682068901638	3372.250396903937	3237.280396903937	3239.269303765558	33.045929370288	336.4074996453886
234	228	16814	-21716.1413	942217.3170250766	39.46014563973525	-101.5681159	27861.1787788285	4370989.61746303	3544.118645734068	3378.555973145202	3238.555973145202	337.00454723703615	33.04192501167403	336.4195201167403
235	228	16815	-21650.1413	942217.3170250766	39.46017466478581	-101.5658297	27925.264382631	4370985.690927885	3543.3789604712867	3371.790257611708	3235.409562563016	3236.61446281914	33.13860969407046	336.1575947779397
236	228	16816	-21584.1413	942217.3170250766	39.460175248708254	-101.5634395	27945.3297013042	4370981.528318424	3543.4781714107567	3370.0125899077107	3234.751791256874	3237.062796503833	33.3755841	336.270796503833
237	228	16817	-21518.1413	942217.3170250766	39.46018985502566	-101.5611573	27965.3498361558	4370977.446917308	3543.577662181496	3373.742234372733	3233.682461561159	3233.742234372733	33.23368461561159	336.23368461561159
238	228	16818	-21452.1413	942217.3170250766	39.46020477171688	-101.5588211	27985.4597540265	4370973.3672632592	3543.676578314896	3366.430943808453	3232.186205374213	3237.307565930114	33.144243827103157	332.723782054414
239	228	16819	-21386.1413	942217.3170250766	39.4601932370661	-101.5566489	28006.5546	4370969.234743791	3541.320367206901538	3372.176381684867	3232.253730452892	333.44684717744861	33.04721653307947	336.04721653307947
240	228	16820	-21320.1413	942217.3170250766	39.46023302511531	-101.5541487	28027.5889396396	4370965.203075128	3538.50655332729	3362.81118905737	3230.02231268822	3321.651732194847	33.128089893676519	331.1594516881023
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242	228	16822	-21188.1413	942217.3170250766	39.4602629955082	-101.5494762	28069.5712597911	4370957.034094561	3528.865044810868	3359.16589559304	3228.1883493452406	3228.0909666175	33.09775102140634	330.7854883812914
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248	228	16828	-20792.1413	942217.3170250766	39.46033491178098	-101.5354589	28186.0974138632	4370932.565249094	3512.995203850249	3348.1589693057167	3219.294544753561	3219.692747867386	33.02864425521592	326.8128691877645
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253	228	16833	-20462.1413	942217.3170250766	39.46041932370661	-101.523821	28291.7733038567	4370912.123062095	3511.921723068254	3339.71723068254	3212.123068254	3214.059514195204	33.02864425521592	326.8128691877645
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256	228	16836	-20264.1413	942217.3170250766	39.46046141021547	-101.5167691	28347.5915060267	4370908.93989752	3506.64272364745	3333.30484809006	3203.64909599101	3203.401512394605	33.02864425521592	326.8128691877645
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258	228	16838	-20132.1413	942217.3170250766	39.46048903353763	-101.5120967	28387.61296170214	4370891.785716273	3501.813786240732	3329.5451547941557	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
259	228	16839	-20066.1413	942217.3170250766	39.46051777505556	-101.5097974	28407.77337044403	4370887.708882524	3500.95680093187	3327.654594343616	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
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264	228	16844	-19736.1413	942217.3170250766	39.460570820413224	-101.4980793	28503.0723213698	4370862.2080765	3495.16116885037	3318.1279755967626	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
265	228	16845	-19670.1413	942217.3170250766	39.46058423958105	-101.495743	28524.2131684418	4370856.25208006	3490.11894134383	3316.220891623813	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
266	228	16846	-19604.1413	942217.3170250766	39.46059772167411	-101.4934049	28545.1902439659	4370852.17163369	3488.932888779653	3314.32087828059	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
267	228	16847	-19538.1413	942217.3170250766	39.4606111045112	-101.491076	28566.2490991197	4370852.1028687	3487.639210218507	3312.403440614186	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
268	228	16848	-19472.1413	942217.3170250766	39.46062444241915	-101.4887343	28587.3057131496	4370851.072102089	3486.27425548496	3310.555732174388	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
269	228	16849	-19406.1413	942217.3170250766	39.46063737509816	-101.4863891	28608.3658065427	4370846.95238241	3476.88522875945	3308.708958734447	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
270	228	16850	-19340.1413	942217.3170250766	39.46065082648154	-101.4840619	28629.423895482	4370842.87785065	3475.5161933029913	3306.8959561622746	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
271	228	16851	-19274.1413	942217.3170250766	39.46066418506904	-101.4817256	28649.8017623585	4370838.80357401	3470.70586340431	3305.120312921591	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
272	228	16852	-19208.1413	942217.3170250766	39.46067734230896	-101.4793934	28669.5394517814	4370834.79428335	3468.446477288817	3303.362731254577	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
273	228	16853	-19142.1413	942217.3170250766	39.46069078791767	-101.477091	28690.651412641	4370830.581925338	3466.3490819818374	3300.01644558373	3200.6803579895778	3200.6803579895778	33.02864425521592	326.8128691877645
274	228	16854	-19076.1413	942217.3170250766	39.46070352157518	-101.4747169	28703.651412641	4370826.581925338	3464.273632376863	3298.382120077146	3200.6803579895778			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
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401	128	18381	-10694											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgs.ft	BREIElevBothKgs.ft	SatHtKgs.ft	SatHtBothKgs.ft
438	228	168483	-52821.14133	942217.3170250766	39.46244414099139	-00.9864281	329110.336579761	3999979.751237422	3141.6105668436544	2927.5874902206515	2927.0515306623556	2928.513902807895	65.3595959735993	64.0735871284634
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512	228	168492	-33681.14133	942217.3170250766	39.46252991249446	-00.9186738	334932.7867196917	3999862.74937099	3027.112371858477	2949.2012517978579	2910.25121978875	2910.0747808465	43.5323425275934	38.46219277894
513	228	168493	-33021.14133	942217.3170250766	39.46253219314325	-00.9163374	335140.798788603	3999859.94068619	3027.2066220755582	2946.87103816678	2909.5100538896	2909.0848751863864	42.73520871728325	37.7222843029154
514	228	168494	-32361.14133	942217.3170250766	39.4625344	-00.9141001	335341.81167768745	3999854.91656669	3021.9716965459	2944.852950653374	2908.580108272045	2908.7842426289016	38.27942426289016	37.7222843029154
515	228	168495	-31701.14133	942217.3170250766	39.46253691904287	-00.9116647	335542.8426051767	3999850.892971555	3015.7611587774324	2943.081074382244	2908.13289160132	2903.81289728184	38.49497522130954	39.26808735431001
516	228	168496	-31041.14133	942217.3170250766	39.46253876249399	-00.9093263	335743.836957501	3999846.9993238	3012.43655411341	2941.2322515993346	2902.39570176239	2901.71629497293	38.49497522130954	39.26808735431001
517	228	168497	-30381.14133	942217.3170250766	39.4625408441181	-00.9069892	335944.8549384483	3999842.84631482	3029.219681250428	2940.409222135777	2901.126296936133	2900.3975464219	38.27865277444451	39.26808735431001
518	228	168498	-29721.14133	942217.3170250766	39.46254291939725	-00.904656	336145.86163475508	3999838.3236508	3025.973728	2937.58719122586	2900.4191732026892	2900.4191732026892	37.1344742957471	37.1344742957471
519	228	168499	-29061.14133	942217.3170250766	39.4625449250021	-00.9023192	336346.87475243674	3999834.800587229	3023.67848185165	2935.801723094034	2900.2847302309274	2900.2847302309274	36.523437538118865	35.62437309690405
520	228	168500	-28401.14133	942217.3170250766	39.46254689397008	-00.8999829	336547.8856570708	3999830.778	3021.127871863509	2934.035552401783	2900.530970757276	2900.400318161222	35.331644454057196	35.331644454057196
521	228	168501	-27741.14133	942217.3170250766	39.46254881355747	-00.8976465	336748.9487429325	3999826.75627129	3018.9782584158154	2932.27716828946	2900.7764599737416	2900.7764599737416	34.1559712990777	34.1559712990777
522	228	168502	-27081.14133	942217.3170250766	39.46255068012165	-00.8953101	336949.9004415736	3999822.73	3016.83069922041	2930.531991834314	2900.25947869064	2900.34759232625	33.0273513436737	33.0273513436737
523	228	168503	-26421.14133	942217.3170250766	39.46255251733451	-00.8929738	337143.836957501	3999818.71419145	3015.89818752241	2928.799936481367	2900.3947961813927	2900.3947961813927	32.0016884965905	29.930746273473594
524	228	168504	-25761.14133	942217.3170250766	39.462554501523454	-00.8906374	337351.3317975906	3999814.69369392	3013.7327461381155	2927.07295904984	2900.373999170304	2900.373999170304	30.9373053684672	29.73629697
525	228	168505	-25101.14133	942217.3170250766	39.46255642919397	-00.8883012	337549.891930585	3999810.64847078	3011.034532906955	2925.61523972756	2900.3471919031	2900.3471919031	29.73629697	29.73629697
526	228	168506	-24441.14133	942217.3170250766	39.46255734530132	-00.8859467	337753.939190585	3999806.64847078	3011.034532906955	2925.61523972756	2900.3471919031	2900.3471919031	28.73520871728325	28.73520871728325
527	228	168507	-23781.14133	942217.3170250766	39.46255938329508	-00.8836283	337954.9647							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRfElevKgr.f	BRfElevBthKgr.f	SatThghLgts.f	SatThghBth.f
618	228	168589	30388.8586730335	942217.3170250766	-90.46254099741664	-00.69260465	564437.3358483104	4369473.94977991	2701.9642891535853	278.7573204705022	2701.9646387531684	27697.3889072983493	83.79280717133383	88.36841317215294
619	228	168590	30398.8586730335	942217.3170250766	-90.46253890118991	-00.68971072	564838.3342953364	4369469.569355823	2783.941387115938	2786.035863030174	2786.035863030174	27698.0359071238517	83.4754902276352	85.90226990208648
620	228	168591	30408.8586730335	942217.3170250766	-90.46253706767303	-00.68874738	564946.3359165572	4369465.515330811	2792.16232226476153	2792.16232226476153	2792.16232226476153	27698.79813848281	81.65941651	85.13038316331
621	228	168592	30418.8586730335	942217.3170250766	-90.46253570338455	-00.68803744	565040.3307555855	4369450.565350667	2912.7922855775004	2912.7922855775004	2912.7922855775004	27698.8491951358	78.19055982364127	87.44258625774455
622	228	168593	30428.8586730335	942217.3170250766	-90.462533237713704	-00.68727011	565241.32885372316	4369457.58	2908.613548970368	2778.4415076302876	2772.718988680066	2688.2641929848437	73.72261804202156	90.17734146443486
623	228	168594	30438.8586730335	942217.3170250766	-90.46253100595362	-00.68603467	565442.326713626	4369445.737969229	2906.347201237287	2776.916039595285	2702.694892703485	2686.180217979878	75.9285192550633	90.4113295969741
624	228	168595	30448.8586730335	942217.3170250766	-90.4625287706624	-00.684870284	565643.3244970396	4369440.3309605	2905.3246440715947	2774.732354555793	2702.227897078818	2686.2651826205426	72.5053578	88.4679679261094
625	228	168596	30458.8586730335	942217.3170250766	-90.46252636904355	-00.675682	565844.3221186325	4369445.91797383	2906.674695	2772.8666262977846	2701.134722538852	2684.173375893244	71.71831975893244	86.6303798923509
626	228	168597	30468.8586730335	942217.3170250766	-90.46252400096866	-00.6737556	566045.3196011196	4369445.51971898	2908.252265469486	2776.8526047764855	2705.26047764855	2684.173375893244	71.71831975893244	86.6303798923509
627	228	168598	30478.8586730335	942217.3170250766	-90.46252179417565	-00.67170193	566246.316447089	4369447.566255876	2907.3525887727	2776.03525887727	2704.823190739078	2684.173375893244	71.71831975893244	86.6303798923509
628	228	168599	30488.8586730335	942217.3170250766	-90.46251917984125	-00.66888289	566447.3141495064	4369443.56409376	2907.163213336886	2767.2220360234815	2697.46447978065	2684.173375893244	71.71831975893244	86.6303798923509
629	228	168600	30498.8586730335	942217.3170250766	-90.46251651246225	-00.6663466	566648.3112161316	4369429.562137696	2907.3883112963417	2763.4225915370483	2696.1650340135648	2684.173375893244	71.71831975893244	86.6303798923509
630	228	168601	30508.8586730335	942217.3170250766	-90.462514285190325	-00.66440102	566849.308114042	4369425.56	2907.613407235281	2763.320915370483	2696.1650340135648	2684.173375893244	71.71831975893244	86.6303798923509
631	228	168602	30518.8586730335	942217.3170250766	-90.46251191217196	-00.6616738	567050.3049341882	4369421.558477023	2907.8385021152825	2761.5095303179632	2693.1525246514937	2684.173375893244	71.71831975893244	86.6303798923509
632	228	168603	30528.8586730335	942217.3170250766	-90.462509170917064	-00.65937375	567251.3015863664	4369417.55704012	2907.8385021152825	2761.5095303179632	2693.1525246514937	2684.173375893244	71.71831975893244	86.6303798923509
633	228	168604	30538.8586730335	942217.3170250766	-90.46250690006866	-00.65707011	567452.2981008757	4369413.556371038	2907.988939920443	2757.658618081635	2690.4652740115343	2684.173375893244	71.71831975893244	86.6303798923509
634	228	168605	30548.8586730335	942217.3170250766	-90.462504625587047	-00.6546468	567653.2945	4369409.55443944	2908.3469558542286	2755.720392058982	2689.251236	2674.723235712708	66.4893164717195	80.0971553732781
635	228	168606	30558.8586730335	942217.3170250766	-90.46249921	-00.6523284	567854.2907717161	4369405.54722421	2887.705521722369	2737.75950248044	2687.892123023864	2672.942095268044	64.86832621	80.0519905525255
636	228	168607	30568.8586730335	942217.3170250766	-90.46249634	-00.649992	568055.286204606	4369401.55206759	2883.54366689177	2751.828513439771	2686.2768321941644	2669.86464338515	65.5518612560669	81.9638696035903
637	228	168608	30578.8586730335	942217.3170250766	-90.46249375	-00.6476557	568256.287667357	4369399.288654	2881.86260778477	2749.878595108696	2683.84460668747	2669.86464338515	65.5518612560669	81.9638696035903
638	228	168609	30588.8586730335	942217.3170250766	-90.4624917767894	-00.6453193	568457.2786156136	4369393.557392264	2880.18133871384	2747.9264311765337	2679.947037644088	2669.86464338515	65.5518612560669	81.9638696035903
639	228	168610	30598.8586730335	942217.3170250766	-90.4624897779808	-00.642983	568658.2404518125	4369389.553992684	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
640	228	168611	30608.8586730335	942217.3170250766	-90.4624877396157	-00.6406424	568869.2404518125	4369385.553992684	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
641	228	168612	30618.8586730335	942217.3170250766	-90.4624857396157	-00.6383103	569069.2653551284	4369381.554712573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
642	228	168613	30628.8586730335	942217.3170250766	-90.4624837396157	-00.6359739	569269.2653551284	4369377.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
643	228	168614	30638.8586730335	942217.3170250766	-90.4624817396157	-00.6336375	569469.2653551284	4369373.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
644	228	168615	30648.8586730335	942217.3170250766	-90.4624797396157	-00.6313012	569669.2653551284	4369369.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
645	228	168616	30658.8586730335	942217.3170250766	-90.4624777396157	-00.6289648	569869.2653551284	4369365.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
646	228	168617	30668.8586730335	942217.3170250766	-90.4624757396157	-00.6266282	569869.2653551284	4369361.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
647	228	168618	30678.8586730335	942217.3170250766	-90.4624737396157	-00.6242916	569869.2653551284	4369357.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
648	228	168619	30688.8586730335	942217.3170250766	-90.4624717396157	-00.6219550	569869.2653551284	4369353.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
649	228	168620	30698.8586730335	942217.3170250766	-90.4624697396157	-00.6196194	569869.2653551284	4369349.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
650	228	168621	30708.8586730335	942217.3170250766	-90.4624677396157	-00.617283	569869.2653551284	4369345.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
651	228	168622	30718.8586730335	942217.3170250766	-90.4624657396157	-00.6149467	569869.2653551284	4369341.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
652	228	168623	30728.8586730335	942217.3170250766	-90.4624637396157	-00.6126103	569869.2653551284	4369337.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
653	228	168624	30738.8586730335	942217.3170250766	-90.4624617396157	-00.6102744	569869.2653551284	4369333.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
654	228	168625	30748.8586730335	942217.3170250766	-90.4624597396157	-00.6079378	569869.2653551284	4369329.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
655	228	168626	30758.8586730335	942217.3170250766	-90.4624577396157	-00.6056013	569869.2653551284	4369325.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
656	228	168627	30768.8586730335	942217.3170250766	-90.4624557396157	-00.6032649	569869.2653551284	4369321.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
657	228	168628	30778.8586730335	942217.3170250766	-90.4624537396157	-00.6009286	569869.2653551284	4369317.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
658	228	168629	30788.8586730335	942217.3170250766	-90.4624517396157	-00.5985922	569869.2653551284	4369313.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
659	228	168630	30798.8586730335	942217.3170250766	-90.4624497396157	-00.5962558	569869.2653551284	4369309.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
660	228	168631	30808.8586730335	942217.3170250766	-90.4624477396157	-00.5939194	569869.2653551284	4369305.554512573	2878.5004497579895	2745.972125265326	2678.0484515466056	2669.86464338515	65.5518612560669	81.9638696035903
661														

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREVElevKgr.ft	BRElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
728	128	168715	113498	85867307335	942217.3170250766	39.461923132921709	-100.397867	379762.1038425055	4889890.708	2748.544392344096	2572.033592854188	2503.321037519241	2502.352915336549	68.74232176617761	69.7104439888985
736	128	168716	114158	85867307335	942217.3170250766	39.46191535433538	-100.395307	379963.0862374607	4889866.73	2746.121524530576	2570.762705745573	2502.650091864153	2501.336013489158	68.17369614615694	69.40149031
737	128	168717	114818	85867307335	942217.3170250766	39.46190711673152	-100.393944	380164.9686178967	4889862.21	2743.686956171247	2569.451813884407	2501.632205956626	2500.226381917635	67.18805389724692	68.2254869565382
738	128	168718	115168	85867307335	942217.3170250766	39.46189744217251	-100.396381	380365.0506840705	4889873.7385534	2741.275780830322	2570.730193612905	2502.64999251705058	2501.230647170406	65.48072684245456	66.89902714425036
739	128	168719	116138	85867307335	942217.3170250766	39.461889922842625	-100.3883217	380566.0327361842	4889854.79635348	2738.071860808398	2566.7994626195314	2497.9426571751906	2497.147786800182	65.85680544443401	70.0516737951612
740	128	168720	116708	85867307335	942217.3170250766	39.46188196848493	-100.385854	380767.014674423	4889860.9136146	2735.458120662199	2565.48192062199	2496.1534080107563	2497.621513414666	69.3504054945684	74.85460735
1	129	168721	-370941.1431	942877.3170250766	39.45727336788925	-102.112503	322200.6958419165	372147.79212444	3938.123662212117	3938.123662212117	3642.758857625417	3642.758857625417	3643.116796316228	64.17731054954554	63.8194318958801
2	129	168722	-370281.1431	942877.3170250766	39.45728670276055	-102.110671	322401.8172945302	372143.1616159697	3938.104858714368	3705.748549269695	3641.710366759797	3642.456696316228	64.17731054954554	63.2924933629843	69.71444205843403
3	129	168723	-369681.1431	942877.3170250766	39.45729468710592	-102.107611	322602.6398369237	372138.334002236	3938.104858714368	3705.748549269695	3641.710366759797	3642.456696316228	64.17731054954554	63.2924933629843	69.71444205843403
4	129	168724	-368961.1431	942877.3170250766	39.45734932610332	-102.105495	322804.0597194041	372135.399850555	3937.761728156499	3703.3677480118454	3643.5037049441316	3643.759542101942	59.86403271301474	59.52710589090326	59.52710589090326
5	129	168725	-368301.1431	942877.3170250766	39.45734534343535	-102.103159	323005.1805343482	372131.3925925065	3935.381877020536	3702.173055808048	3643.543358968434	3643.943521569633	58.6296917037148	58.22951382	58.22951382
6	129	168726	-367641.1431	942877.3170250766	39.457399905489276	-102.1008232	323206.3010845783	372127.139	3933.696528547581	3700.8768190536784	3639.9430566019994	3642.272995030818	61.0337629916784	60.73951594979702	60.73951594979702
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9	129	168729	-365661.1431	942877.3170250766	39.45747490804095	-102.0938152	323809.6814000013	372114.750301528	3926.04871667798	3697.880951201116	3631.250530587997	3631.250530587997	61.0337629916784	61.360601613749	61.360601613749
10	129	168730	-365001.1431	942877.3170250766	39.45749698871723	-102.0914793	324010.78054240876	372110.62102238	3923.32263220881	3696.178686854686	3624.163427765983	3624.27110515439	70.0150589948571	71.9078250802346	71.9078250802346
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21	129	168741	-357741.1431	942877.3170250766	39.45777169770376	-102.0657834	326223.0771169586	372065.21286303	3912.490913290265	3682.8229737372894	3603.697690774123	3603.697690774123	79.734027323136	79.4540438155579	79.4540438155579
22	129	168742	-357081.1431	942877.3170250766	39.4577961368512	-102.0634474	326424.1940542063	372061.06112843	3910.3122009611782	3681.59310806229	3602.698207321666	3602.698207321666	79.734027323136	79.4540438155579	79.4540438155579
23	129	168743	-356421.1431	942877.3170250766	39.45782058394523	-102.0611194	326625.3101592525	372056.936957381	3908.0161115257947	3671.784107454275	3601.682217423445	3601.682217423445	79.734027323136	79.4540438155579	79.4540438155579
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25	129	168745	-355101.1431	942877.3170250766	39.45786918370135	-102.0564394	327027.5451561029	372048.707126508	3903.331954934947	3667.300164532118	3598.85168704982	3600.157038588645	81.05209562713587	77.75022594526354	77.75022594526354
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29	129	168749	-352461.1431	942877.3170250766	39.45796594775614	-102.047094	327832.0011509528	372032.204760787	3889.722851487723	3663.008245578601	3587.3549535875	3587.3549535875	77.75022594526354	77.75022594526354	77.75022594526354
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31	129	168751	-351141.1431	942877.3170250766	39.45801405695693	-102.042423	328234.2296877372	372023.95	3882.412389536258	3660.525490479713	3585.174601872047	3585.174601872047	77.75022594526354	77.75022594526354	77.75022594526354
32	129	168752	-350481.1431	942877.3170250766	39.45803804703239	-102.0400873	328435.342485371	372019.81396252	3878.01859963455	3660.151569512833	3584.071394334	3582.780963543235	80.9677811853443	86.3734070960533	86.3734070960533
33	129	168753	-349821.1431	942877.3170250766	39.458061989877045	-102.0377513	328636.45672921662	372015.7053631	3875.42480796327	3660.151569512833	3584.071394334	3582.780963543235	80.9677811853443	86.3734070960533	86.3734070960533
34	129	168754	-349161.1431	942877.3170250766	39.4580858759993	-102.0354153	328837.56990590337	372011.582	3873.91017263013	3660.151569512833	3584.071394334	3582.780963543235	80.9677811853443	86.3734070960533	86.3734070960533
35	129	168755	-348501.1431	942877.3170250766	39.4581097402093	-102.0330793	329038.682913845	372007.45529398	3871.9201541119	3660.151569512833	3584.071394334	3582.780963543235	80.9677811853443	86.3734070960533	86.3734070960533
36	129	168756	-347841.1431	942877.3170250766	39.4581336748006	-102.0307433									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfLen.F	W.Lt.	BREIELogsKt.F	BREIEBothKt.F	SatHtLogsKt.F	SatHtBothKt.F
121	229	168841	-291741.1413	942877.3170250766	39.45999226	-101.8321763	256333.45250406083	3716.537968596894	3402.089091921805	3402.089091921805	3399.929764758994	341.851123848416	142.1593271631109
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123	229	168843	-290421.1413	942877.3170250766	39.4601504946555	-101.827804	256735.63477864973	3721.103334295887	3395.8395577103512	3396.344758332422	3396.0597757103512	339.548495935468	142.95582229698914
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128	229	168848	-287121.1413	942877.3170250766	39.4601307985094	-101.8158233	257741.8071373074	3716.624404582634	3706.652573573927	3530.7757927603323	3396.809368073437	3387.809367394415	142.9658509355902
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130	229	168850	-285801.1413	942877.3170250766	39.46016997525905	-101.811151	258143.2650336906	3716.61635777357	3702.11753385117	3527.431319584747	3394.8428530649494	3396.115564739682	132.58946378952
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134	229	168854	-283161.1413	942877.3170250766	39.4602477735875	-101.8018064	258947.6199480717	3716.6071221734713	3682.740456542706	3520.6297770588585	3391.290216779673	3384.7330939357466	132.33956027909517
135	229	168855	-282501.1413	942877.3170250766	39.46026712755904	-101.7994702	259148.7080759916	3716.596117848325	3678.931806526126	3518.916798645754	3391.6511118520716	3380.895975368259	132.26586793855195
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146	229	168866	-275241.1413	942877.3170250766	39.46047684144401	-101.7737724	261360.6611959508	3716.55099755883	3644.21341389535	3500.218843902340	3352.245017001816	3343.93537	122.93070357312125
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149	229	168869	-273261.1413	942877.3170250766	39.46053315212343	-101.7667768	261968.5634770672	3716.540421308179	3634.76427523214	3494.76427523214	3344.76427523214	3344.76427523214	122.93070357312125
150	229	168870	-272601.1413	942877.3170250766	39.4605518750722	-101.7644777	262165.051507747	3716.53591447542	3632.84587292223	3493.76427523214	3343.76427523214	3343.76427523214	122.93070357312125
151	229	168871	-271941.1413	942877.3170250766	39.460570433610485	-101.7620916	262366.0589577157	3716.531408827907	3492.2074323511138	3484.24478339357	3373.316891226883	347.32008395772303	118.9805411248258
152	229	168872	-271281.1413	942877.3170250766	39.4605900666416	-101.7597554	262567.170061109	3716.525640097479	3620.21180714063	3490.694340663244	3344.24557638604	3369.816203471164	146.4239262477703
153	229	168873	-270621.1413	942877.3170250766	39.460607534591155	-101.7574192	262768.2539	3716.52230088665	3489.58525600235	3489.158378237903	3343.76427523214	3364.253142548404	124.90525992030529
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157	229	168877	-267981.1413	942877.3170250766	39.46068115902226	-101.7480745	263572.5054705054	3716.5075105028	3603.71765270273	3343.33484821945	3341.91327488166	3341.91327488166	144.2970457699139
158	229	168878	-267321.1413	942877.3170250766	39.46069947325585	-101.7457383	263773.6697516524	3716.50370790982	3601.31692566427	3491.231378518575	3340.1203008657847	3341.91327488166	144.2970457699139
159	229	168879	-266661.1413	942877.3170250766	39.4607175449208	-101.7434021	263974.2522509285	3716.4971	3599.05325	3480.521453133454	3339.364111338063	3332.624391895013	141.801704572923
160	229	168880	-266001.1413	942877.3170250766	39.4607356654077	-101.7410659	264175.8345654917	3716.493161298046	3596.32465020326	3477.7623708221003	3338.356023310658	3329.645562745912	140.294666970345
161	229	168881	-265341.1413	942877.3170250766	39.46075413345345	-101.7387297	264376.9167350352	3716.4895750844415	3593.7623708221003	3337.7623708221003	3337.7623708221003	3337.7623708221003	122.93070357312125
162	229	168882	-264681.1413	942877.3170250766	39.46077225259198	-101.7363393	264577.9964830185	3716.48517446013	3591.86510144336	3476.4052220697	3336.2782220697	3336.2782220697	122.93070357312125
163	229	168883	-264021.1413	942877.3170250766	39.46079047412035	-101.7340729	264780.442689145	3716.48127689145	3589.24549178615	3474.54871522211	3335.24549178615	3335.24549178615	122.93070357312125
164	229	168884	-263361.1413	942877.3170250766	39.46080834329708	-101.7317212	264980.161010222	3716.477723423791	3587.960470163873	3473.741361292554	3334.128434377008	3334.128434377008	122.93070357312125
165	229	168885	-262701.1413	942877.3170250766	39.46082634983441	-101.729385	265181.2423	3716.473172647016	3583.49469422607	3472.433292387	3333.69945869663	3332.87676973304	122.93070357312125
166	229	168886	-262041.1413	942877.3170250766	39.460844291112025	-101.7270488	265382.321259972	3716.469103	3581.091696251607	3471.1411879216485	3333.199636	3257.5893564186	134.93451522343637
167	229	168887	-261381.1413	942877.3170250766	39.46086218726235	-101.7247126	265583.4037410212	3716.464343385599	3580.16180183279	3469.86402863396	3335.993919658155	3284.405482159383	134.93451522343637
168	229	168888	-260721.1413	942877.3170250766	39.46088003825856	-101.722374	265784.						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRVeloBtkrg.ft	SatHgtKgrg.ft	SatHtBoth.ft
242	229	168967	-208581.1413	942877.3170250766	39.46214766	-101.5378135	281669.1210392366	347117.3710850032	3513.877643	3329.685908347363	3220.865906831662	3219.3810573822757	328.79217660570112	327.702760505874
248	229	168968	-207921.1413	942877.3170250766	39.46216159031745	-101.5354472	281770.1835703806	347113.831536209	3513.877643	3329.685908347363	3220.865906831662	3219.3810573822757	328.79217660570112	327.702760505874
249	229	168969	-207261.1413	942877.3170250766	39.46217610390568	-101.5339123	282071.2489048956	347119.25241448	3513.877643	3329.685908347363	3220.865906831662	3219.3810573822757	328.79217660570112	327.702760505874
250	229	168970	-206601.1413	942877.3170250766	39.462190251423955	-101.5323573	282272.30550173046	347115.673353735	3515.111681821294	3344.104574302847	3327.186913110578	321.58560255463	326.917611922685	328.348968
251	229	168971	-205941.1413	942877.3170250766	39.46220435678269	-101.5284684	282473.3691234863	347112.594897031	3514.82086263148	3342.246808025146	3215.581604586924	321.58560255463	326.917611922685	328.348968
252	229	168972	-205281.1413	942877.3170250766	39.46221841701171	-101.5261321	282674.431594714	347111.61374151	3513.877643	3340.36135689873	3213.583736876211	321.6293741	327.6923948017202	327.702760505874
253	229	168973	-204621.1413	942877.3170250766	39.46222342311097	-101.5237598	282875.4903350528	347113.831536209	3512.84391166074	3338.521938638087	3211.592648502126	321.701717282336	326.9292901359605	327.702760505874
254	229	168974	-203961.1413	942877.3170250766	39.46224641084064	-101.5214596	283076.5541844824	347110.360403287	3511.8419343537	3336.6543016785804	3209.16213281993	3208.468508748395	327.472168856274	328.157930220094
255	229	168975	-203301.1413	942877.3170250766	39.46226934611591	-101.5191235	283277.61535991495	347109.25241448	3510.1652872167287	3334.7631171823383	3208.554618563144	3208.278497635166	328.2281754867239	328.5047168801866
256	229	168976	-202641.1413	942877.3170250766	39.46229246550009	-101.516787	283478.57618810708	347110.360403287	3510.1652872167287	3332.9081359179245	3203.903314653094	3203.551589757588	328.044821289635	328.5047168801866
257	229	168977	-201981.1413	942877.3170250766	39.4623284111003	-101.5144507	283679.73680323083	347109.25241448	3510.1652872167287	3331.025291275961	3201.138312728287	3200.855452340038	328.88697849773234	328.0902334395732
258	229	168978	-201321.1413	942877.3170250766	39.462318306614	-101.5121144	283880.7925049035	347108.94995902	3502.664366450935	3329.134319775995	3198.366661835654	320.76733592427	320.76733592427	328.0902334395732
259	229	168979	-200661.1413	942877.3170250766	39.46231557489036	-101.5097781	284081.8573950953	347108.94995902	3500.8520897393277	3319.770231790685	3195.7920191695025	31.4562929432326	320.76733592427	328.0902334395732
260	229	168980	-200001.1413	942877.3170250766	39.46232927417065	-101.5074418	284282.9173272444	347108.94995902	3498.759131818905	3325.3293469451155	3193.7591748314046	31.57017211407492	320.76733592427	328.0902334395732
261	229	168981	-199341.1413	942877.3170250766	39.462342925823094	-101.5051058	284483.97171315315	347108.94995902	3496.593736958173	3323.416387578785	3192.639335452884	3192.6482593430704	320.77052125908	328.0902334395732
262	229	168982	-198681.1413	942877.3170250766	39.46235654	-101.5027693	284685.0367	347107.73490662	3497.419564093172	3321.497525092584	3192.07860581387	3192.053656722384	320.77052125908	328.0902334395732
263	229	168983	-198021.1413	942877.3170250766	39.46237010096161	-101.500433	284886.0960310527	347107.73490662	3496.43851125242	3319.745091291146	3192.108410133317	3192.064116471796	320.77052125908	328.0902334395732
264	229	168984	-197361.1413	942877.3170250766	39.46238319631886	-101.4980967	285087.1551604557	347108.94995902	3497.66000801895	3317.64586520345	3191.5732942798263	315.7941412668737	320.77052125908	328.0902334395732
265	229	168985	-196701.1413	942877.3170250766	39.46239709	-101.4957064	285288.214078435	347106.51518138	3489.783366478583	3315.724303402489	3191.374248520925	3192.39861396	324.368784503962	324.368784503962
266	229	168986	-196041.1413	942877.3170250766	39.462410515282214	-101.4934241	285489.2727851977	347106.51518138	3486.951475185394	3313.8044288244023	3190.719061043622	3191.374248520925	324.368784503962	324.368784503962
267	229	168987	-195381.1413	942877.3170250766	39.4624190878	-101.4910178	285690.3312809481	347105.364286544	3483.811199524964	3311.891943250484	3189.731262337386	3190.5691294576531	322.1606811920481	322.1606811920481
268	229	168988	-194721.1413	942877.3170250766	39.46243724	-101.4887519	285891.3859658918	347105.289152502	3480.345370620135	3309.964186886948	3188.4335201774425	318.706548	321.5629761112027	321.5629761112027
269	229	168989	-194061.1413	942877.3170250766	39.46245594411591	-101.486418	286094.4422273681	347104.242273681	3478.453695255143	3307.91049624047	3187.727394935246	317.1287613483346	321.7071744392494	321.7071744392494
270	229	168990	-193401.1413	942877.3170250766	39.46247393381218	-101.4840789	286293.5050541827	347104.242273681	3473.408796745051	3305.304921151196	3185.708114340003	3181.550679202904	320.5980680519255	320.5980680519255
271	229	168991	-192741.1413	942877.3170250766	39.46247686686058	-101.4817426	286494.5531579415	347104.065003795	3470.54574	3304.5224582316508	3184.5116750126917	317.724554823216508	320.5980680519255	320.5980680519255
272	229	168992	-192081.1413	942877.3170250766	39.46249014343092	-101.4794063	286695.6206017164	347103.9051967341	3468.34137	3302.782995	3183.428538153927	317.5859805667565	319.3501415943739	319.3501415943739
273	229	168993	-191421.1413	942877.3170250766	39.46250325680838	-101.47707	286896.6778351737	347103.9051967341	3466.121769	3301.084281290223	3182.07201974035	317.012195374813	320.5980680519255	320.5980680519255
274	229	168994	-190761.1413	942877.3170250766	39.46251632417687	-101.4747337	287097.7346601365	347102.847320519	3463.90367	3299.421155664006	3180.882264052698	317.0254745424714	318.5389161130637	318.5389161130637
275	229	168995	-190101.1413	942877.3170250766	39.46252934611591	-101.4724784	287298.7915761953	347102.847320519	3462.453695255143	3297.91049624047	3178.727394935246	316.922277652294	321.7071744392494	321.7071744392494
276	229	168996	-189441.1413	942877.3170250766	39.46254223522884	-101.4700611	287499.54862410903	347102.847320519	3461.781537155568	3297.91049624047	3178.727394935246	316.922277652294	321.7071744392494	321.7071744392494
277	229	168997	-188781.1413	942877.3170250766	39.4625555550029	-101.4677248	287700.946780324	347102.847320519	3461.781537155568	3297.91049624047	3178.727394935246	316.922277652294	321.7071744392494	321.7071744392494
278	229	168998	-188121.1413	942877.3170250766	39.4625681423735	-101.4653885	287901.960662219	347101.549	3460.431007136807	3294.80496056908	3176.22154527535	316.818734129476349	316.818734129476349	316.818734129476349
279	229	168999	-187461.1413	942877.3170250766	39.46258084063976	-101.4630522	288103.016845862	347100.474646321	3459.133676422494	3293.57266251528	3174.838278847499	316.647146023397	316.647146023397	316.647146023397
280	229	169000	-186801.1413	942877.3170250766	39.46259317065016	-101.4607159	288304.07261717564	347100.474646321	3457.2119536231	3290.919477319944	3173.231323560717	316.647146023397	316.647146023397	316.647146023397
281	229	169001	-186141.1413	942877.3170250766	39.46260553210589	-101.4583796	288505.1281805032	347099.331	3455.288528852885	3289.636525	3171.9024426437295	316.647146023397	316.647146023397	316.647146023397
282	229	169002	-185481.1413	942877.3170250766	39.46261822341145	-101.4560433	288706.1835559824	347098.52901847	3453.4591048624047	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
283	229	169003	-184821.1413	942877.3170250766	39.46263189962587	-101.453707	288907.2386521491	347098.52901847	3452.310687778953	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
284	229	169004	-184161.1413	942877.3170250766	39.46264515690016	-101.4513706	289108.2963213036	347098.52901847	3451.384719177995	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
285	229	169005	-183501.1413	942877.3170250766	39.46265817066236	-101.4490343	289309.3855382896	347098.52901847	3450.366784622494	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
286	229	169006	-182841.1413	942877.3170250766	39.462671242667	-101.446698	289510.4028814219	347098.52901847	3449.351918717349	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
287	229	169007	-182181.1413	942877.3170250766	39.46268420390976	-101.4443617	289711.4520011152	347098.52901847	3448.340197289607	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
288	229	169008	-181521.1413	942877.3170250766	39.46269712964303	-101.4420254	289912.5114120577	347098.52901847	3447.328579130444	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
289	229	169009	-180861.1413	942877.3170250766	39.4627102847353	-101.4397169	290113.619618001	347098.52901847	3446.317053645897	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
290	229	169010	-180201.1413	942877.3170250766	39.4627234196785	-101.4373828	290314.619618001	347098.52901847	3445.30452845897	3288.727394935246	317.012195374813	317.012195374813	320.5980680519255	320.5980680519255
291	229	169011	-179541.1413	942										

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	UTM-Z	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SurfThLogKrg.ft	SurfThBotH.ft
374	229	160903	-125421.1413	942877.3170250766	39.4635869489426	-121.2434362	307001.37735849275	4370625.561157132	1324.144224099317	3164.3808624452286	3064.62757954528933	3065.86876	3064.62757954528933	3065.86876	98.51210299239254	98.51210195531576
374	229	160904	-127461.1413	942877.3170250766	39.46359514912564	-121.2410968	307202.1445636739	4370621.508	3321.2442808191848	3163.480000191848	3163.480000191848	3163.480000191848	3163.480000191848	3163.480000191848	98.27122051732405	98.27122051732405
376	229	160905	-124101.1413	942877.3170250766	39.4636036522034	-121.2387638	307403.4514895157	4370617.4532972917	3318.578719005737	3161.578719005737	3161.578719005737	3161.578719005737	3161.578719005737	3161.578719005737	98.24512336386793	98.24512336386793
376	229	160906	-123441.1413	942877.3170250766	39.46361212218206	-121.2364271	307604.4880585026	4370612.402680407	3316.141517045494	3160.914876109774	3160.914876109774	3160.914876109774	3160.914876109774	3160.914876109774	98.9583241124349	98.9583241124349
377	229	160907	-122781.1413	942877.3170250766	39.46362054101255	-121.2340097	307805.5247841887	4370609.50271639	3313.3703315082751	3159.1844518449523	3159.1844518449523	3159.1844518449523	3159.1844518449523	3159.1844518449523	100.263275897373	100.263275897373
377	229	160908	-1221121.1413	942877.3170250766	39.46362891471014	-121.2317544	308006.5610996345	4370605.298070925	3311.2711312129008	3157.8703273686457	3157.8703273686457	3157.8703273686457	3157.8703273686457	3157.8703273686457	98.39634717373064	98.39634717373064
379	229	160909	-121461.1413	942877.3170250766	39.463637243275066	-121.229418	308207.5972639309	4370601.246072862	3308.62515741872	3156.24657649076	3156.24657649076	3156.24657649076	3156.24657649076	3156.24657649076	98.9838989198826	98.9838989198826
380	229	160910	-120801.1413	942877.3170250766	39.46364553	-121.227018	308408.6332377193	4370597.194293631	3305.768501594324	3155.212515961387	3155.212515961387	3155.212515961387	3155.212515961387	3155.212515961387	97.6005476780809	97.6005476780809
381	229	160911	-120141.1413	942877.3170250766	39.4636536622034	-121.2247455	308609.69	4370593.142717103	3303.911628468816	3153.857540810885	3153.857540810885	3153.857540810885	3153.857540810885	3153.857540810885	98.24512336386793	98.24512336386793
382	229	160912	-119481.1413	942877.3170250766	39.46365195817525	-121.2224089	308810.7046750783	4370589.01348457	3301.055155252788	3152.052646457615	3152.052646457615	3152.052646457615	3152.052646457615	3152.052646457615	97.27521437	97.27521437
383	229	160913	-118821.1413	942877.3170250766	39.463657011	-121.2200725	309001.7400411761	4370585.004187894	3297.070044141263	3151.130900020688	3151.130900020688	3151.130900020688	3151.130900020688	3151.130900020688	97.7584916416138	97.7584916416138
384	229	160914	-118161.1413	942877.3170250766	39.46367820911286	-121.2177361	309212.7526778576	4370580.982334041	3293.95766654832	3149.740306	3149.740306	3149.740306	3149.740306	3149.740306	97.6943037709425	97.6943037709425
384	229	160915	-117501.1413	942877.3170250766	39.46368626882846	-121.2153997	309413.8103076419	4370584.939582148	3290.84488888838	3148.33318314199	3148.33318314199	3148.33318314199	3148.33318314199	3148.33318314199	98.625901081821	98.625901081821
384	229	160916	-116841.1413	942877.3170250766	39.4636942795208	-121.2130634	309614.845160949412	4370572.887954215	3287.732131136243	3145.9083716275063	3145.9083716275063	3145.9083716275063	3145.9083716275063	3145.9083716275063	98.47348498166547	98.47348498166547
387	229	160917	-116181.1413	942877.3170250766	39.463702247025125	-121.210727	309815.8786279185	4370568.83269267	3284.38724800459	3145.468615975395	3145.468615975395	3145.468615975395	3145.468615975395	3145.468615975395	98.48529282586906	98.48529282586906
388	229	160918	-115521.1413	942877.3170250766	39.46371019397416	-121.2083906	310016.9143087455	4370564.787505018	3280.750240900545	3144.009305307622	3144.009305307622	3144.009305307622	3144.009305307622	3144.009305307622	98.5891031816389	98.5891031816389
389	229	160919	-114861.1413	942877.3170250766	39.46371805	-121.2060542	310217.94860364345	4370560.737992374	3278.15209957114	3142.53276712412	3142.53276712412	3142.53276712412	3142.53276712412	3142.53276712412	98.8447131414162	98.8447131414162
390	229	160910	-114201.1413	942877.3170250766	39.4637258784414	-121.2037178	310418.878219158	4370556.7867866	3275.615252499671	3141.054287720446	3141.054287720446	3141.054287720446	3141.054287720446	3141.054287720446	100.066828966387	100.066828966387
391	229	160911	-113541.1413	942877.3170250766	39.46373366571853	-121.2013815	310620.106364677	4370552.638390047	3270.309860638227	3139.561342333032	3139.561342333032	3139.561342333032	3139.561342333032	3139.561342333032	98.95358617538452	98.95358617538452
392	229	160912	-112881.1413	942877.3170250766	39.46374140756024	-121.1990451	310821.05037480546	4370548.589102152	3267.541035143692035	3138.09143692035	3138.09143692035	3138.09143692035	3138.09143692035	3138.09143692035	98.8142614227516	98.8142614227516
393	229	160913	-112221.1413	942877.3170250766	39.463749104269425	-121.1967087	311022.083303018	4370544.54	3264.718202293034	3136.5479263995126	3136.5479263995126	3136.5479263995126	3136.5479263995126	3136.5479263995126	98.06815564907116	98.06815564907116
394	229	160914	-111561.1413	942877.3170250766	39.463756655484	-121.1943723	311223.1172635730	4370540.94148334	3261.925052484115	3135.07401615722	3135.07401615722	3135.07401615722	3135.07401615722	3135.07401615722	98.73581252599	98.73581252599
394	229	160915	-110941.1413	942877.3170250766	39.4637639181645	-121.1920178	311430.3471989406	4370534.83269267	3259.244007578276	3134.078338858685	3134.078338858685	3134.078338858685	3134.078338858685	3134.078338858685	98.6732147407116	98.6732147407116
396	229	160916	-110241.1413	942877.3170250766	39.4637793205066	-121.1896996	311625.18347911816	4370532.394022245	3250.93905497304	3131.95943536596	3131.95943536596	3131.95943536596	3131.95943536596	3131.95943536596	97.2282372651527	97.2282372651527
397	229	160917	-109581.1413	942877.3170250766	39.4637793977889	-121.1873632	311826.2162939647	4370528.345700244	3246.215370880434	3130.4118258251	3130.4118258251	3130.4118258251	3130.4118258251	3130.4118258251	98.684416255133	98.684416255133
398	229	160918	-108921.1413	942877.3170250766	39.46376910824446	-121.1850268	312027.2488427299	4370524.29770237	3241.49149256373	3128.849920528745	3128.849920528745	3128.849920528745	3128.849920528745	3128.849920528745	98.2107381752585	98.2107381752585
398	229	160919	-108261.1413	942877.3170250766	39.46379433737266	-121.1826904	312228.2813716185	4370520.24902273	3235.612662273586	3127.2724741017996	3127.2724741017996	3127.2724741017996	3127.2724741017996	3127.2724741017996	97.9349555695117	97.9349555695117
400	229	160920	-107601.1413	942877.3170250766	39.46380172	-121.180354	312429.313643487	4370516.202	3231.39334927817	3125.6801988206917	3125.6801988206917	3125.6801988206917	3125.6801988206917	3125.6801988206917	98.4455441255848	98.4455441255848
401	229	160921	-106941.1413	942877.3170250766	39.463809131645	-121.1780178	312630.3471989406	4370512.15489305	3228.244007578276	3124.078338858685	3124.078338858685	3124.078338858685	3124.078338858685	3124.078338858685	98.73581252599	98.73581252599
402	229	160922	-106281.1413	942877.3170250766	39.46381634367904	-121.1757813	312816.377110831	4370508.10749215	3221.0693770095453	3122.5026955263	3122.5026955263	3122.5026955263	3122.5026955263	3122.5026955263	98.0298348709146	98.0298348709146
403	229	160923	-105621.1413	942877.3170250766	39.463823589606716	-121.173349	313032.409	4370504.066472455	3225.54116778624	3120.820831904518	3120.820831904518	3120.820831904518	3120.820831904518	3120.820831904518	96.5150483100757	96.5150483100757
404	229	160924	-104961.1413	942877.3170250766	39.46383078309554	-121.1710085	313233.4408511315	4370500.013853121	3220.561316935656	3119.1788612119526	3119.1788612119526	3119.1788612119526	3119.1788612119526	3119.1788612119526	96.690420215	96.690420215
405	229	160925	-104301.1413	942877.3170250766	39.46383794442556	-121.1686721	313434.472203062	4370495.97268833	3215.5605191394494	3117.529645999827	3117.529645999827	3117.529645999827	3117.529645999827	3117.529645999827	98.4249672769073	98.4249672769073
406	229	160926	-103641.1413	942877.3170250766	39.46384550440871	-121.1663357	313635.033656722	4370491.02888372	3210.59779144514	3115.873696903364	3115.873696903364	3115.873696903364	3115.873696903364	3115.873696903364	97.36487921750131	97.36487921750131
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408	229	160928	-102321.1413	942877.3170250766	39.4638592895365	-121.161629	314037.56110310245	4370483.82745007	3204.84962298317	3112.54211819404	3112.54211819404	3112.54211819404	3112.54211819404	3112.54211819404	98.0980473407116	98.0980473407116
409	229	160929	-101661.1413	942877.3170250766	39.46386611356954	-121.1593225	314228.5268	4370479.78298985	3202.972254412371	3110.87238602447	3110.87238602447	3110.87238602447	3110.87238602447	3110.87238602447	97.4126831443323	97.4126831443323
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411	229	160931	-100341.1413	942877.31702												

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatTLogHs.f	SatTLogHs.f
49	29	16219	-42261.14133	942877.3170250766	39.4643090055425	-100.9490562	32330.6329685657	43701.16514973904	3907.5059621178425	2997.916133749117	2917.18372944805	2910.7050702179283	52.727740310668	59.2065415968539
500	29	16220	-41601.14133	942877.3170250766	39.46431187300076	-100.9467137	32351.617902499	43701.1248893465	3083.20789954289	2968.50497777789	2916.5517179583257	2910.769634248209	51.574701734396234	57.57401734396234
501	29	16221	-40941.14133	942877.3170250766	39.46431468311352	-100.9433678	32372.624265173	43701.08461421644	3988.904841778027	2967.103891627633	2915.840069133267	2910.765017262637	51.26313081860425	56.33391608408425
502	29	16222	-40281.14133	942877.3170250766	39.4643174724386	-100.9420049	32393.6737815509	43701.04143540472	4065.1145627169	2965.70675517011	2914.401483642009	2910.765333585985	51.30527153	55.64873178941252
503	29	16223	-39621.14133	942877.3170250766	39.464320245439085	-100.9397045	33313.6198272533	43701.0040869633	3078.497028306746	2964.309073062193	2913.562621636786	2909.460056	50.76468726514245	54.84904214
504	29	16224	-38961.14133	942877.3170250766	39.46432289145052	-100.9373881	33335.7061106531	43700.9623642058	2962.899562476166	2962.899562476166	2912.812794636943	2908.809714069273	50.50678673922374	54.08948441
505	29	16225	-38301.14133	942877.3170250766	39.46432532281256	-100.9350317	33336.7202219554	43700.9236801092	3062.631703321696	2961.44712676536	2912.114918567156	2908.576467406149	49.33279411367175	52.87124513877315
506	29	16226	-37641.14133	942877.3170250766	39.464328129872015	-100.9326582	33377.7341913674	43700.8813163978	3070.771406748168	2959.880533838955	2911.3331042929617	2908.871133860366	48.54742909093375	51.00939926325833
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508	29	16228	-36321.14133	942877.3170250766	39.4643331775839	-100.9280224	33419.3876125333	43700.802510721	3046.083249751274	2956.22147479105	2909.7055891348797	2908.247334017517	46.522673442255	47.98028234158335
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512	29	16232	-33681.14133	942877.3170250766	39.46434276192555	-100.9186767	33493.84145692515	43700.64182	3037.561350681984	2948.491473637423	2908.316073582626	2906.7930011241865	40.1330639649629	41.65136339555815
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514	29	16234	-32361.14133	942877.3170250766	39.46434727202025	-100.9140309	33535.84006322036	43700.56113381018	3036.654177512128	2944.653612156392	2904.98205211279	2904.746176	39.07155024511326	39.0748238341215
515	29	16235	-31701.14133	942877.3170250766	39.46434946844564	-100.9116675	33558.8545248533	43700.52109743617	3035.199284	2942.789258785274	2903.7276069752586	2903.674930820576	38.5126701112526	40.13954845319765
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517	29	16237	-30381.14133	942877.3170250766	39.464353714123625	-100.9069946	33598.8771188128	43700.44026815392	3030.37018063856	2939.1307257847234	2900.018685389978	2908.527547182316	38.5120403475433	39.60371796647819
518	29	16238	-29721.14133	942877.3170250766	39.464356576916174	-100.9046582	33619.88915155036	43700.3961931634	3028.106449431936	2937.333692587226	2899.7552843401681	2908.3363720018246	38.3970245268902	38.3970245268902
519	29	16239	-29061.14133	942877.3170250766	39.46435977906604	-100.9023218	33635.9010205668	43700.3610741747685	3025.9303607551339	2935.556060751189	2899.42066415224	2899.2894219	38.1129943389861	36.2708418919937
520	29	16240	-28401.14133	942877.3170250766	39.4643594363644	-100.8998984	33655.9127356676	43700.319397479	3023.734159012057	2933.9589534384	2899.5448032134665	2899.2894219443573	34.24569912071336	34.24569912071336
521	29	16241	-27741.14133	942877.3170250766	39.46436172341569	-100.8974768	33676.924265173	43700.27381854238	3021.767831854238	2932.044891782037	2898.4981782037	2898.4981782037	34.3330136264383	34.3330136264383
522	29	16242	-27081.14133	942877.3170250766	39.464363937575785	-100.8953125	33695.935692346	43700.2349115425	3019.338913	2930.31629343007	2899.870397821793	2899.70439460549	34.04253648727776	30.6085307052877
523	29	16243	-26421.14133	942877.3170250766	39.4643653734467	-100.8929761	33715.9468310294	43700.192696083	3017.422536454594	2928.59593683296	2899.771803526751	2899.00918638282	28.8245581520146	28.96729120719379
524	29	16244	-25761.14133	942877.3170250766	39.46436751157969	-100.8906397	33735.5580115223	43700.150053489	3015.79120285513	2926.8546864271	2899.792196861057	2900.4472407307885	27.19327178191454	26.438227912242382
525	29	16245	-25101.14133	942877.3170250766	39.46436889080803	-100.8883033	33756.9688340263	43700.11584025131	3013.251832611695	2899.07623872314	2900.3543561762074	2900.068803566103	24.828701422837	24.828701422837
526	29	16246	-24441.14133	942877.3170250766	39.46437058464814	-100.8859668	33775.9796874647	43700.071861789315	3012.5257576445483	2923.487240775584	2898.645011164391	2899.4284709502868	20.84153941195278	29.2088132672361
527	29	16247	-23781.14133	942877.3170250766	39.4643722341569	-100.8836304	33795.9830639889	43700.03281961637	3010.762381854238	2921.76783178528	2898.244417178943	2898.244417178943	20.84153941195278	29.2088132672361
528	29	16248	-23121.14133	942877.3170250766	39.4643738718117	-100.881224	33816.00707565955	43700.08915601658	3008.86528847215	2920.486528847215	2897.64517084955	2897.64517084955	25.22651330097	33.7695231778471
529	29	16249	-22461.14133	942877.3170250766	39.46437539574861	-100.8789676	33836.101048627	43700.03957982325	3006.974293941251	2918.441657050585	2898.0870119105765	2895.552522113878	26.8456450950898	68.8894049170773
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531	29	16251	-21141.14133	942877.3170250766	39.46437837476535	-100.8742847	33876.031627904	43699.957748674	3003.661756573296	2915.110915403518	2819.407792388544	2818.64665834919	75.301122664632	96.46425705379897
532	29	16252	-20481.14133	942877.3170250766	39.46437980640565	-100.8719483	33896.041	43699.937327218	3002.735988082293	2913.451746541077	2814.361321157475	2815.961465347195	69.0888253836024	97.468261906772
533	29	16253	-19821.14133	942877.3170250766	39.46438117867072	-100.8696119	33915.0565611537	43699.9177177434	3001.804481043529	2911.7029953445055	2892.23084196704	2891.473000497614	69.56125735780142	97.18192947876
534	29	16254	-19161.14133	942877.3170250766	39.464382515699	-100.867275	33935.026265173	43699.8981637	3000.87232778528	2910.244117178943	2890.16012178615	2890.16012178615	69.56125735780142	97.18192947876
535	29	16255	-18501.14133	942877.3170250766	39.4643839829397	-100.8648591	33956.0670695	43699.877679651	3000.372354693207	2909.481567	2889.551215075691	2889.551215075691	69.56125735780142	97.18192947876
536	29	16256	-17841.14133	942877.3170250766	39.4643851951781	-100.8626026	33976.07871306455	43699.856254128	3000.3727607535	2906.828105358197	2904.1282531003462	2892.8951895315245	68.9552583734	43.9329183
537	29	16257	-17181.14133	942877.3170250766	39.4643862394542	-100.8602662	33996.0775572706	43699.833039851	3000.233097	2905.75388942174	2894.182964739627	2890.5226975801667	58.99242510575684	34.65269226325472
538	29	16258	-16521.14133	942877.3170250766	39.46438791813084	-100.8579298	34010.0966340704	43699.8102022296	3000.16346381492	2903.522505942864	2890.7414856660844	2891.8162468459223	58.2102028	31.7062590964172
539	29	16259	-15861.14133	942877.3170250766	39.4643894903989	-100.8555934	34031.107535297	43699.85561	2999.26780198247	2901.8688521905845	2884.8896224976154	2899.17923458783	49.99088253923916	32.7500173207157
540	29	16260	-15201.14133	942877.3170250766	39.464390951132755	-100.853257	34052.7113952034	43699.8136207349	2999.5457349657883	2900.215812001131	2885.274094080505	2884.243952411137	41.94287233562525	32.9718606
541	29	16261	-14541.14133	942877.3170250766	39.464392415699	-100.850962	34073.026265173	43699.7763436	2998.54894578	2900.034951240547	2884.33501247	2884.33501247	41.94287233562525	32.9718606
542	29	16262	-13881.14133	942877.3170250766	39.464393154991756	-100.8485841	34094.701306	43699.73456019126	2998.04722550112	2896.941775582823	2880.784181	2893.042358016234	33.199968053424	33.8182925778722
543	29	16263	-13221.14133	942877.3170250766	39.46439426607976	-100.8462477	341175.1388	43699.6935205387	2998.04670062306	2895.2857953209977</				

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.L	Wt.L	BREIEVLogs.Kg.ft	BREIEVBoth.Kg.ft	SatThoLogs.Kg.ft	SatThoBoth.L
625	229	16345	40858.8586773035	942877.3170250766	-00.46546612	37567.2988057209	4396910.7558783184	2696.38936991201046	2756.288170372204	2687.917224023804	2675.70435354988	267.408168400022	80.58381501721624	
626	229	16346	41558.8586773035	942877.3170250766	-00.46532347	37588.294262529595	4396906.75013851	2886.383256572943	2754.348752	2686.3681550170495	267.757856739093	67.8608173640008	80.59089563256585	
627	229	16347	42118.8586773035	942877.3170250766	-00.46498863	37609.2907177508	4396902.3635924147	2752.408498323147	2752.408498323147	2684.51138428613893	267.8591940221346	81.78404711623877	80.59169664599959	
628	229	16348	42588.8586773035	942877.3170250766	-00.46430628921754	37606.2846450484	4396913.93713447	2887.383717585614	2750.46107022037	2681.844811827008	266.965190114664	68.1667187459574	84.4755078573935	
629	229	16349	43538.8586773035	942877.3170250766	-00.46431555	358461.282078743483	4396904.753672092	2878.853983439176	2748.51668379408	2678.437948	2660.34254938169	70.07662047555823	88.166931874023885	
630	229	16350	44198.8586773035	942877.3170250766	-00.46429791	358662.2775464984	4396905.753672092	2878.50496924903	2746.54539226023	2674.811383136277	2662.7685039382	71.74702435362753	83.79651828272053	
631	229	16351	44888.8586773035	942877.3170250766	-00.46404627	358863.27299532865	4396906.753672092	2878.50496924903	2744.614604398564	2672.526247038564	2666.182767	72.09195710869835	78.4318798513945	
632	229	16352	45518.8586773035	942877.3170250766	-00.46383062	359064.2682	4396902.75431687	2885.52765181578	2740.464903802406	2742.662514590185	2673.051652162942	70.702171198364112	68.0186624274332	
633	229	16353	46118.8586773035	942877.3170250766	-00.46369819	359265.2632626265	4396903.75431687	2885.52765181578	2740.464903802406	2742.662514590185	2673.051652162942	70.702171198364112	68.0186624274332	
634	229	16354	46838.8586773035	942877.3170250766	-00.46336334	359466.2520211956	4396904.753672092	2878.50496924903	2746.54539226023	2674.811383136277	2662.7685039382	71.74702435362753	83.79651828272053	
635	229	16355	47498.8586773035	942877.3170250766	-00.4631297	359667.252987468	4396905.753672092	2878.50496924903	2746.54539226023	2674.811383136277	2662.7685039382	71.74702435362753	83.79651828272053	
636	229	16356	48158.8586773035	942877.3170250766	-00.4628906	359888.2476611014	4396906.753672092	2878.50496924903	2746.54539226023	2674.811383136277	2662.7685039382	71.74702435362753	83.79651828272053	
637	229	16357	48818.8586773035	942877.3170250766	-00.4626242	360069.2421848974	4396907.51591574	2884.631275402506	2732.920060802865	2656.858003473246	2656.691848	70.06236743241393	76.2291130471668	
638	229	16358	49478.8586773035	942877.3170250766	-00.4624278	360270.2368105364	4396908.76073665	2836.001457531313	2739.0581476154237	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
639	229	16359	50138.8586773035	942877.3170250766	-00.46219513	360471.330930589	4396904.76281026	2831.55553294177	2739.0581476154237	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
640	229	16360	50798.8586773035	942877.3170250766	-00.4619149	360672.2246691916	4396905.76404587	2829.003128105583	2737.12390341126	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
641	229	16361	51458.8586773035	942877.3170250766	-00.46172785	360873.219	4396906.76	2826.4504326953	2725.202365282208	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
642	229	16362	52118.8586773035	942877.3170250766	-00.46149421	361074.2128076604	4396907.26938636	2823.26863	2727.242314049603	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
643	229	16363	52778.8586773035	942877.3170250766	-00.46125722	361275.2065176037	4396908.371190988	2823.26863	2727.242314049603	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
644	229	16364	53438.8586773035	942877.3170250766	-00.46102693	361476.2001170017	4396909.3475	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
645	229	16365	54098.8586773035	942877.3170250766	-00.4607829	361677.1935274453	4396905.77107938	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
646	229	16366	54758.8586773035	942877.3170250766	-00.46055964	361878.186941572	4396906.77067035	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
647	229	16367	55418.8586773035	942877.3170250766	-00.46032693	362079.18308996	4396907.78067035	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
648	229	16368	56078.8586773035	942877.3170250766	-00.46009236	362280.171380996	4396908.78067035	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
649	229	16369	56738.8586773035	942877.3170250766	-00.45985872	362481.1661	4396909.78067035	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
650	229	16370	57398.8586773035	942877.3170250766	-00.45962508	362682.158583626	4396905.7906	2821.662768828007	2719.473495516756	2653.725037385637	2668.62918542323	71.2581102957810	62.35329139141625	
651	229	16371	58058.8586773035	942877.3170250766	-00.45939144	362883.1515127616	4396906.80044733	2815.259291246674	2706.436237824057	2649.338610270092	2649.338610270092	71.050135121369	66.74955612712726	
652	229	16372	58718.8586773035	942877.3170250766	-00.4591578	363084.140439369	4396902.80437612	2815.259291246674	2706.436237824057	2649.338610270092	2649.338610270092	71.050135121369	66.74955612712726	
653	229	16373	59378.8586773035	942877.3170250766	-00.45892161	363285.1943522283	4396903.80437612	2815.259291246674	2706.436237824057	2649.338610270092	2649.338610270092	71.050135121369	66.74955612712726	
654	229	16374	60038.8586773035	942877.3170250766	-00.45868502	363486.1269993752	4396904.80437612	2815.259291246674	2706.436237824057	2649.338610270092	2649.338610270092	71.050135121369	66.74955612712726	
655	229	16375	60698.8586773035	942877.3170250766	-00.45844567	363687.1263205394	4396909.81965162	2804.857185854937	2699.2545091472	2630.793748008019	2633.96229534748	64.6565978345313	65.297105	
656	229	16376	61358.8586773035	942877.3170250766	-00.45822323	363888.1128334124	4396908.81965162	2804.857185854937	2699.2545091472	2630.793748008019	2633.96229534748	64.6565978345313	65.297105	
657	229	16377	62018.8586773035	942877.3170250766	-00.45798959	364089.104704386	4396909.81965162	2804.857185854937	2699.2545091472	2630.793748008019	2633.96229534748	64.6565978345313	65.297105	
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661	229	16381	64658.8586773035	942877.3170250766	-00.45705523	364893.078824595	4396906.85429075	2804.857185854937	2699.2545091472	2630.793748008019	2633.96229534748	64.6565978345313	65.297105	
662	229	16382	65318.8586773035	942877.3170250766	-00.45682139	365094.062101827	4396902.81177802	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
663	229	16383	65978.8586773035	942877.3170250766	-00.45658775	365295.0531915445	4396908.8739364	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
664	229	16384	66638.8586773035	942877.3170250766	-00.45635411	365496.0441518205	4396904.87498454	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
665	229	16385	67298.8586773035	942877.3170250766	-00.45612047	365697.03482859	4396905.8280164	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
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667	229	16387	68618.8586773035	942877.3170250766	-00.45564917	366100.00570256	4396905.90479404	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
668	229	16388	69278.8586773035	942877.3170250766	-00.45541594	366300.00570256	4396905.90479404	2793.92232953446	2687.0640371863	2614.173944958894	2696.501525037804	72.8904922279365	90.56278691302869	
669	229	16389	69938.8586773035	942877.3170250766	-00.4551859	366500.901781001	4396904.91372855	2815.70888910737	2675.16775821791	2612.55896509529	2600.83869277082	62.6087931484416	74.2296192026267	
670	229	16390	70598.8586773035	942877.3170250766	-00.45495226	366701.9872061266	4396903.92077856	2815.70888910737	2675.16775821791	2612.55896509529	2600.83869277082	62.6087931484416	74.2296192026267	
671	229	16391	71258.8586773035	942877.3170250766	-00.45471862	366902.977265163	4396902.977265163	2815.70888910737	2675.16775821791	2612.55896509529	2600.83869277082	62.6087931484416	74.2296192026267	
672	229	16392	71918.8586773035	942877.3170250766	-00.45448498	367103.9								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR Elev.Kg.ft	BR Elev.Both.Kg.ft	SatH.Kg.ft	SatH.Both.ft
1	20	16471	-363431.1413	943537.3170250766	39.45933750025707	-102.0891754	234216.0387205672	47327307.81393581	3918.956546	3885.85667315574	3619.815157994338	3619.956698669509	70.47040873721962	73.92989686204824
12	20	16472	-363681.1413	943537.3170250766	39.45936232126652	-102.0868394	234417.1574658588	4732303.68429054	3920.459104217366	3886.890635224763	3616.916805334372	3617.034643799007	75.7641581314356	75.645328272
13	20	16473	-363921.1413	943537.3170250766	39.45939236507468	-102.0845033	234624.9813230271	4732274.76893339	3922.024662192332	3891.4744385989827	3614.192345751736	3614.29608	77.1783520926521	77.1783520926521
14	20	16474	-364261.1413	943537.3170250766	39.45941203797947	-102.0821673	234819.3941691172	4732295.44272206	3925.050902008927	3890.264874389217	3611.633084748824	3611.633084748824	78.01902609097036	78.57900657861807
15	20	16475	-364701.1413	943537.3170250766	39.459436367342865	-102.0798312	235020.5212130309	4732291.298721015	3923.40757157609784	3889.052682551574	3609.3336308170055	3609.268275628196	79.71902744	79.76338106666129
16	20	16476	-364104.1413	943537.3170250766	39.45946150418417	-102.0774952	235221.6289614968	4732274.17041036	3927.150788737305	3887.837345	3607.4942860732285	3607.49276316689	80.38438292199132	80.38438292199132
17	20	16477	-363081.1413	943537.3170250766	39.45948616960328	-102.0751591	235422.7474751478	4732283.024401098	3919.733975907782	3886.6197305198307	3606.22975568268	3606.243974988827	80.38996545156268	80.37623382202658
18	20	16478	-367921.1413	943537.3170250766	39.45951078990214	-102.0728231	235623.8644162895	4732179.914561868	3917.89177190668	3885.39927737288	3605.282351	3605.34808965177	80.1169270519775	80.05118787212268
19	20	16479	-369691.1413	943537.3170250766	39.4595356507468	-102.070487	235824.9813230271	4732274.76893339	3918.292453898927	3884.76230789586	3604.479150122175	3604.479150122175	79.89693574778	79.6405458076471
20	20	16480	-358401.1413	943537.3170250766	39.4595589512725	-102.068151	236026.079763625	4732270.65940602	3914.920130251444	3892.05585363075	3603.756192351174	3604.17839147092	79.145721168521026	79.145721168521026
21	20	16481	-357471.1413	943537.3170250766	39.45958438005727	-102.0658149	236227.2143511279	4732266.33279518	3913.5478625211997	3881.721562861377	3603.054852337377	3603.054852337377	78.66671002483616	78.71623633097935
22	20	16482	-357081.1413	943537.3170250766	39.4596081986491	-102.0634789	236428.3047308162	4732262.054279392	3912.175480152549	3880.489279183484	3602.360346772324	3602.26122800459	78.12920450459594	78.22805991789838
23	20	16483	-356421.1413	943537.3170250766	39.45963214550095	-102.0611428	236629.466337327	4732258.27842933	3910.132924380293	3679.250328897113	3601.4201162192552	3601.54143687147	77.18331767404056	77.17386604
24	20	16484	-355761.1413	943537.3170250766	39.4596576	-102.0588067	236830.5619333742	4732254.151895419	3907.420139147015	3678.02089621543	3599.8919880910094	3600.9675425454002	78.1301016016053	77.12593176271504
25	20	16485	-355101.1413	943537.3170250766	39.459681868552956	-102.0564707	237031.677227192	4732250.5254277	3904.707513438812	3676.7894883037795	3597.3340260509315	3600.97527161594	78.4554402189281	78.3219617483139
26	20	16486	-354441.1413	943537.3170250766	39.459716012787054	-102.0541346	237222.7923049683	4732245.89036045	3901.59449679207	3675.557138169433	3593.817178498334	3598.60069	81.7253502	78.9565309097337
27	20	16487	-353781.1413	943537.3170250766	39.45973206	-102.0517988	237433.9071683252	4732174.73409196	3898.66701520413	3674.320609201	3589.7466716231476	3596.637414572687	78.6867945193251	77.6867945193251
28	20	16488	-353121.1413	943537.3170250766	39.45975451137774	-102.0494625	237635.0217260081	4732237.348	3894.72641096249	3673.0490326110084	3585.409221658474	3593.210622550434	67.681705025342	79.8788964541392
29	20	16489	-352461.1413	943537.3170250766	39.45977863508731	-102.0472164	237836.13602369739	4732233.522	3893.85720676445	3671.8538137471683	3580.901044210657	3588.434246963577	90.9527693651137	83.41887105
30	20	16490	-351801.1413	943537.3170250766	39.459802713914144	-102.0447904	238037.2506162244	4732239.39620669	3886.847520624463	3670.05298263143	3576.472791852423	3581.63471634219	14.3250641096056	88.9708191619362
31	20	16491	-351141.1413	943537.3170250766	39.45982674763005	-102.0424543	238238.3639396971	4732225.271701798	3883.06898	3669.31693682561	3572.988786719591	3573.14053681734	96.3281529006367	92.17639594391085
32	20	16492	-350481.1413	943537.3170250766	39.45985076271115	-102.0401182	238439.47745959514	4732211.46831781	3879.467247252872	3670.970884740273	3570.857222888624	3580.394373662127	97.11766154487	97.11766154487
33	20	16493	-349821.1413	943537.3170250766	39.459874912840915	-102.037821	238649.2649171253	4732182.278437342	3878.028519871922	3668.289734214537	3569.406927755474	3569.406927755474	98.894379749682	93.909700421638
34	20	16494	-349161.1413	943537.3170250766	39.459898578004055	-102.035461	238841.793710042	4732182.87652284	3877.247623020777	3665.22745805113	3567.6463954586116	3569.317255899955	97.5800545035139	95.9032021154345
35	20	16495	-348501.1413	943537.3170250766	39.45992423121684	-102.03331	239042.8166185587	4732208.73786264	3868.13930900077	3664.9242535275	3566.375131421903	3569.810481914464	97.4740811	70.0383643208107
36	20	16496	-347841.1413	943537.3170250766	39.45994623930606	-102.0307739	239243.9288454751	4732204.64333903	3863.6941195732664	3662.468911754313	3564.653593490763	3592.555420133524	98.131826355013	69.9136751972964
37	20	16497	-347181.1413	943537.3170250766	39.45997000227218	-102.0284378	239445.00141707634	4732200.52549031	3859.168159228343	3661.085121814336	3562.884662707577	3589.237586101328	98.2005910856046	71.8473571300371
38	20	16498	-346521.1413	943537.3170250766	39.459993720115165	-102.0261018	239646.1531732905	4732196.14582748	3854.694389017835	3659.694932736884	3561.1565077415803	3584.511865918433	98.5384243490805	75.1830666
39	20	16499	-345861.1413	943537.3170250766	39.4600178283488	-102.0237867	239849.176283488	4732192.67286868	3850.020197286868	3658.28734214537	3559.406927755474	3578.1763436817	98.894379749682	93.909700421638
40	20	16500	-345201.1413	943537.3170250766	39.4600412043155	-102.021627	240048.37628707	4732192.552708	3848.17173371797	3658.012204013374	3557.0812204013374	3572.0851934955	98.894379749682	93.909700421638
41	20	16501	-344541.1413	943537.3170250766	39.4600646	-102.0190835	240249.48749273323	4732184.03226842	3840.32320615644	3655.476872218156	3555.510504503492	3569.2584258031168	99.9606067462634	96.01049069882
42	20	16502	-343881.1413	943537.3170250766	39.460088140254925	-102.0167574	240450.5984	4732179.909437735	3835.474767556564	3654.053428393339	3553.7196564814186	3566.133059000801	97.3385841920537	87.91948229257230
43	20	16503	-343221.1413	943537.3170250766	39.46011163248157	-102.0144213	240651.70910980082	4732175.76859372	3831.681680240563	3652.620088123875	3551.8308148264364	3561.418265132233	10.789793269511	92.0123360150426
44	20	16504	-342561.1413	943537.3170250766	39.46013507958481	-102.0120852	240852.81953182024	4732171.66491762	3828.344012003834	3651.1776083482223	3549.903676356463	3557.3211478236040	101.26773197175932	93.85640051561798
45	20	16505	-341901.1413	943537.3170250766	39.46015848156481	-102.0097491	241053.9296978825	4732167.542384837	3825.200526699162	3649.723667559318	3548.1321761364716	3555.8867816	101.5917914228605	93.85640051561798
46	20	16506	-341241.1413	943537.3170250766	39.460181938420915	-102.0074131	241255.0389746543	4732162.43817342	3818.594289190688	3648.259001240537	3546.08292425552	3554.35002	100.79395918501	93.85640051561798
47	20	16507	-340581.1413	943537.3170250766	39.460205115015366	-102.005077	241456.14260274967	4732156.996833195	3810.560722070404	3648.3395873734621	3545.90673734621	3552.768336250174	102.7898842271401	93.821843117763
48	20	16508	-339921.1413	943537.3170250766	39.46022841762599	-102.0027409	241657.2586503174	4732155.171286195	3802.65252252499	3645.3048532683724	3541.8606760653706	3550.61976907607	103.4641772003018	94.6850419146565
49	20	16509	-339261.1413	943537.3170250766	39.4602516382448	-102.0004408	241858.367939968	4732151.05581423	3800.845123643755	3643.815236824119	3539.6486227878064	3547.165410362125	97.8698424999012	97.8698424999012
50	20	16510	-338601.1413	943537.3170250766	39.4602774814610315	-101.9980687	242059.4766851292	4732146.934711332	3800.92612623016	3642.316216331837	3537.347321088426	3542.3569505848716	104.9688825747763	96.99012678
51	20	16511	-337941.1413	943537.3170250766	39.46029794584874	-101.9957326	242260.5851514092	4732142.81981738	3828.129088175701	3640.8070599416797	3534.933227	3540.929365	105.8581190470878	96.99012678
52	20	16512	-337281.1413	943537.3170250766	39.46032103	-101.9933395	242461.61639044795	4732138.36136831	3829.267170871925	3639.267170871925	3532.363748482482	3549.36185090055	106.92338317394426	96.99012678
53	20	16513	-336621.1413	943537.3170250766	39.460345172248684	-101.9910787	242662.816562275	4732134.058262197	3828.451568228245	3638.451568228245	3531.461195005481	3548.461195005481	107.92338317394426	96.99012678
54	20	16514	-335961.1413	943537.3170250766	39.46036766882026	-101.9887243	242863.9097	4732130.45400508	3835.981410903936	3635.220534911863	3528.751725064418	3547.2746378670474	109.4396232112132	98.8495913
55	20	16515	-335301.1413	943537.3170250766	39.46039013956114	-101.9863882	243065.0172861098	4732126.33255176	3837.515542	3634.680399561761	3523.663574994135			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
129	130	169997	-28181.1413	943537.3170250766	39.46211841987393	-01.7948227	259554.99467867878	3471789.204495128	3676.5782285635078	35.150507166906342	3390.460830137757	3374.1087698092586	124.5889864548582	140.94191848937762
130	130	169998	-280521.1413	943537.3170250766	39.46211752515881	-01.7924268	259756.08187122465	3471785.101906127	3673.305242993402	35.1340401490187	3389.971695632674	3373.96458260499	123.5834524296683	138.7580452296683
131	130	169999	-279861.1413	943537.3170250766	39.46211676329454	-01.7901505	259827.16889213646	3471780.99864201	3669.99864201	35.1163023691261	3387.96458260499	3374.96458260499	123.6400913834025	146.132926132576
140	130	169900	-272001.1413	943537.3170250766	39.4621175900436726	-01.787814	260165.2554791957	3471787.3583337	3666.06255580892	35.0919213544751	3373.976548049377	3370.976548049377	123.9445751676464	133.2224212678432
141	130	169901	-278541.1413	943537.3170250766	39.462223974036966	-01.7854778	260359.34203077716	3471775.973993531	3663.321275820493	35.08215302008735	3378.1122140866687	3374.335907	123.1030879230566	133.8562139054532
142	130	169902	-277881.1413	943537.3170250766	39.4622113995179159	-01.7831416	260560.28768791653	3471778.6365074	3659.982286077103	35.06518721086357	3373.9702851976625	3366.1727193589946	123.6114358886918	140.3427222666412
143	130	169903	-277221.1413	943537.3170250766	39.462223974036966	-01.7808054	260761.514286545	3471764.5921120625	3657.23404896928	35.04328628784376	3368.746337929217	3354.425828784376	123.08643521905596	150.4069587354466
144	130	169904	-276661.1413	943537.3170250766	39.46225190940397	-01.7784691	260962.6009696437	3471760.49037834	3653.06508590680	35.03158330820592	3363.3701259281725	3340.3427526144863	123.78520915386678	162.815824747272
145	130	169905	-276061.1413	943537.3170250766	39.462270988727156	-01.7759123	261163.6585910843	3471758.39864739	3650.991232764764	35.02149236929467	3358.30645977679	3335.35456621501	123.1963601934826	158.1432926544562
146	130	169906	-275241.1413	943537.3170250766	39.462270988727156	-01.7737967	261364.7706984037	3471752.28575107	3650.573661265354	35.009511289743783	3353.648242	3346.2018770523	123.268059363713	161.223905363713
147	130	169907	-274581.1413	943537.3170250766	39.4622304429079	-01.7714605	261565.8559640265	3471748.18870545	3647.6657601786296	35.00230469427423	3349.937561937215	3341.21123821655	123.4872685055273	150.3922136065763
148	130	169908	-273921.1413	943537.3170250766	39.462237196331245	-01.7691242	261766.94079413934	3471740.08756889	3644.886664133054	35.00659054947534	3347.86385163121	3345.72614421005	123.477502663232	150.8747208663232
149	130	169909	-273261.1413	943537.3170250766	39.462345905244054	-01.766778	261963.02538905957	3471737.99202855	3638.71134590154	34.995070134590154	3346.683697516558	3335.34125023807	123.3731594254978	139.7270288371476
150	130	169910	-272601.1413	943537.3170250766	39.462345905244054	-01.7644518	262169.1097488664	3471735.87821672	3635.73448782657	34.99429670175664	3345.896743801295	3347.487985177664	123.5325232162713	139.1742183989596
151	130	169911	-271941.1413	943537.3170250766	39.462345905244054	-01.7621158	262370.1938738014	3471731.787363309	3631.554515	34.9918754854556	3344.746652639704	3365.70058236666	123.11092221238893	138.190221238893
152	130	169912	-271281.1413	943537.3170250766	39.462345905244054	-01.7597793	262571.277604703	3471727.68714388	3627.10671631945	34.990346903193283	3343.155067078443	3336.455950782496	123.1010935138198	123.8900936340225
153	130	169913	-270621.1413	943537.3170250766	39.462345905244054	-01.7574341	262772.3614189345	3471723.588275705	3622.768681129215	34.9884521481231	3342.4004862170646	3362.9498222290413	123.464275596683	128.859328838959
154	130	169914	-269961.1413	943537.3170250766	39.4623477829215	-01.7551058	262973.4448414621	3471719.40490687	3618.403365779623	34.9873688182712	3342.50439	3342.50439	123.48644233930214	133.8949568130979
155	130	169915	-269301.1413	943537.3170250766	39.46245271103635	-01.7527706	263174.5280289885	3471715.30020225	3615.54717745807	34.9811265093828	3341.728131697538	3345.622658888242	123.513333629003	128.201999203525
156	130	169916	-268641.1413	943537.3170250766	39.4624765046062	-01.7504343	263375.611	3471711.29121409	3614.12183456507	34.98470182782482	3340.96373305083	3341.68443180502	123.5046006871616	142.7857496737465
157	130	169917	-267981.1413	943537.3170250766	39.4624765046062	-01.7480981	263576.69370273297	3471707.19262035	3611.892321553267	34.98457668379125	3340.765498234454	3340.765498234454	123.4782717143681	150.32256137001696
158	130	169918	-267321.1413	943537.3170250766	39.46251225	-01.7457619	263776.178189356	3471703.04231597	3610.4584455586	34.98157235955126	3337.62772035367	3342.47277035367	123.4717004385956	156.206116651494
159	130	169919	-266661.1413	943537.3170250766	39.46251225	-01.7434343	263978.858427732	3471700.96862158	3608.96862158	34.98157235955126	3337.62772035367	3342.47277035367	123.4717004385956	156.206116651494
160	130	169920	-266001.1413	943537.3170250766	39.4625482549204	-01.7410894	264179.940561239	3471694.88092415	3604.55302549135	34.97860595714836	3336.130568295465	3329.14382719758	123.4730947193701	186.71033169804
161	130	169921	-265341.1413	943537.3170250766	39.462568823752	-01.7387531	264381.0223571035	3471690.880012274	3603.33524919464	34.974749350102861	3337.489860279364	3271.38437622247	123.4730947193701	186.71033169804
162	130	169922	-264681.1413	943537.3170250766	39.4625801448769	-01.7364169	264582.103095369	3471686.70722996	3596.096968115063	34.976140978654633	3337.183023448947	3342.124392818977	123.58795540456664	233.0160430355652
163	130	169923	-264021.1413	943537.3170250766	39.462603091609765	-01.7340806	264783.1852282792	3471682.605	3593.07460120926	34.974805919780459	3337.250408314962	321.574719426052	123.5554364654973	263.210230034593
164	130	169924	-263361.1413	943537.3170250766	39.4626112360364	-01.7317444	264984.2663186732	3471678.508	3591.26351094552	34.97477043644585	3336.56919300768	3189.023989177	123.9185112586903	284.453714428706
165	130	169925	-262701.1413	943537.3170250766	39.4627351493684	-01.7294087	265185.3471184524	3471674.41384524	3588.450701081784	34.97477043644585	3336.56919300768	3189.023989177	123.9185112586903	284.453714428706
166	130	169926	-262041.1413	943537.3170250766	39.46276502205744	-01.7271779	265386.984427732	3471670.51467479	3587.5784911728	34.97477043644585	3336.56919300768	3189.023989177	123.9185112586903	284.453714428706
167	130	169927	-261381.1413	943537.3170250766	39.46279448815895	-01.7247356	265587.5801987644	3471666.218174932	3587.408843934138	34.969329506572	3333.650715029322	329.79245148162152	123.9185112586903	190.3874778035706
168	130	169928	-260721.1413	943537.3170250766	39.4628092029673	-01.7223994	265788.5886244827	3471662.122	3586.973092517	34.96837634627066	3332.50759696214	3299.195210148242	123.9185112586903	168.10844781878
169	130	169929	-260061.1413	943537.3170250766	39.4627106649246	-01.7200631	265989.668294703	3471658.02580782	3580.118552454971	34.967138539	3330.6238850806267	331.714255268447	123.9185112586903	155.4228105435447
170	130	169930	-259401.1413	943537.3170250766	39.46272638787337	-01.7177269	266190.747996536	3471653.929394479	3591.473309378261	34.96519353795475	3328.141695901052	3318.254667964866	123.7776617863398	147.6589059225284
171	130	169931	-258741.1413	943537.3170250766	39.4627468399507	-01.7153096	266391.8274673485	3471649.832470415	3591.156082017587	34.96476072307587	3325.035354664183	3316.45288454581	123.96713276045579	148.25383963075954
172	130	169932	-258081.1413	943537.3170250766	39.4627651493684	-01.7130543	266592.967407172	3471645.738232386	3588.9685618123	34.963310100447	3321.879186941549	3317.03847147859	123.8328216172217	146.47712528056
173	130	169933	-257421.1413	943537.3170250766	39.46278138073515	-01.7107181	266793.9857157403	3471641.64382577	3587.170910765922	34.9623026714152	3318.340638485497	3316.342677067085	123.96713276045579	148.25383963075954
174	130	169934	-256761.1413	943537.3170250766	39.46279896148541	-01.7083818	266995.0649733826	3471637.54855158	3585.187595503964	34.961161129324004	3314.6287064048615	3314.1896517309137	123.96713276045579	148.25383963075954
175	130	169935	-256101.1413	943537.3170250766	39.46281646706715	-01.7060456	267196.1430472033	3471633.457340043	3583.84025828461	34.96004465788134	3310.767103202473	3310.767103202473	123.96713276045579	148.25383963075954
176	130	169936	-255441.1413	943537.3170250766	39.46283399	-01.7037093	267397.2213673465	3471629.39119025	3583.1351380111	34.9588581498569683	3307.10780456008	3307.10780456008	123.96713276045579	148.25383963075954
177	130	169937	-254781.1413	943537.3170250766	39.46285143248436	-01.701373	267598.299	3471625.26714739	3582.430267178194	34.95772201819467	3305.432071675195	3304.234682787207	123.96713276045579	148.25383963075954
178	130	169938	-254121.1413	943537.3170250766	39.4628683040074	-01.6990368	267799.37719152605	3471617.17025643	3581.724891361154	34.95639167769635	3303.94848183174	3300.809502172656	123.96713276045579	148.25383963075954
179	130	169939	-253461.1413	943537.3170250766	39.46288519807865	-01.6967828	267999.37719152605	3471613.73843424	3580.991232764764	34.95518721086357	3302.94848183174	3300.809502172656	123.96713276045579	148.25383963075954
180	130	169940	-252801.1413	943537.3170250766	39.4629034804046	-01.6944362	268201.5323548042	3471612.98771739	3581.18581497905245	34.954394512995	3302.94848183174	3300.809502172656	123.96713276045579	148.25383963075954
18														

ix	iy	X	Y	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BRrElevLogsKrg	BRrElevBothKrg	SatHtLogs	SatHtBoth
230	19723	-198021.1413	945353.3170250766	39.46418290116268	-01.5004504	264880.1794027005	4371273.930203505	3494.384159014763	3193.127314489596	3192.929940751399	3193.127314489596	3192.929940751399	3193.127314489596	126.0042542284529	126.0042542284529
264	220	-19726.1413	945353.3170250766	39.46419642017945	-01.4881141	285091.2383127911	4371269.540526517	3491.916389187446	3192.524014019687	3192.2845145103954	3192.524014019687	3192.2845145103954	3192.524014019687	124.6639138534704	124.6639138534704
266	220	-19725.196701.1413	945353.3170250766	39.4642098	-01.4881998	285092.2971146216	4371265.738046625	3489.446839827726	3192.545754335458	3191.973002861594	3192.545754335458	3191.973002861594	3192.545754335458	124.668817381591	124.668817381591
266	220	-19726.196004.1413	945353.3170250766	39.46423322819131	-01.4434414	285493.3222819131	4371267.70269937	3486.980787676705	3193.304387686392	3191.439623220058	3192.1122963969832	3191.439623220058	3192.1122963969832	121.19200939733662	121.19200939733662
267	220	-19727.1956381.1413	945353.3170250766	39.46423606444238	-01.491105	285694.413737573135	4371265.67463295	3483.96018037404	3193.3673904570583	3190.6876104951953	3191.086690725816	3190.6876104951953	3191.086690725816	120.2806997312423	120.2806997312423
268	220	-19728.1194721.1413	945353.3170250766	39.4642500448304	-01.4887867	285895.4718410312	4371253.51404483	3480.4132753732	3309.4473286227131	3189.760715636964	3191.6731731221991	3189.760715636964	3191.6731731221991	118.4179516420087	118.4179516420087
269	220	-19729.194061.1413	945353.3170250766	39.4642338294448	-01.4864233	286096.5269690236	4371249.476	3476.85545470421	3307.5592610461168	3188.661051552007	3189.169388989708	3188.661051552007	3189.169388989708	118.8975589091556	118.8975589091556
270	220	-19730.193401.1413	945353.3170250766	39.46427658652356	-01.4840959	286297.58730476645	4371241.401349146	3473.301764	3305.7162747708217	3188.99882550777	3187.65320102282	3187.65320102282	3187.65320102282	118.71739221504458	118.71739221504458
271	220	-19731.192741.1413	945353.3170250766	39.46428979621226	-01.4817596	286498.547572583	4371241.36825436	3470.422384766254	3303.826928111466	3188.10265362665	3187.268519626574	3187.268519626574	3187.268519626574	118.7448671648912	118.7448671648912
272	220	-19733.192081.1413	945353.3170250766	39.46430291478572	-01.4794232	286699.7019977246	4371237.25129808	3468.222107516657	3302.189441783941	3187.95196552547	3187.67561975424	3187.67561975424	3187.67561975424	118.584252139421	118.584252139421
273	220	-19733.191421.1413	945353.3170250766	39.4643160042239	-01.4770869	286900.759	4371233.17783375	3466.020929371176	3300.495327562224	3187.115972	317.858297	317.858297	317.858297	124.501705905445	124.501705905445
274	220	-19734.190761.1413	945353.3170250766	39.464329128125776	-01.4747505	287101.81581969315	4371229.10374673	3463.819252035824	3300.646347835804	3189.9881477963327	317.82947805800353	317.82947805800353	317.82947805800353	125.9416832081505	125.9416832081505
275	220	-19735.190101.1413	945353.3170250766	39.464324150697725	-01.4724142	287302.8715573146	4371225.02986883	3462.03509691397	3297.208106573864	317.81677162140883	317.43475460006186	317.43475460006186	317.43475460006186	125.53193441129815	125.53193441129815
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277	220	-19737.188781.1413	945353.3170250766	39.46438080447065	-01.4667414	287704.988989865	4371216.88274011	3461.278099576402	3294.039936812502	317.738379694894	3169.33468218831	3169.33468218831	3169.33468218831	124.5053283630949	124.5053283630949
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283	220	-19743.184821.1413	945353.3170250766	39.46444706373115	-01.4537232	288911.3176997475	4371184.426370534	3451.195612541912	3285.294100189362	3167.5371222582916	3161.6294359490227	3161.6294359490227	3161.6294359490227	122.631445599135	122.631445599135
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292	220	-19752.178881.1413	945353.3170250766	39.464556629587124	-01.4320569	290720.8028115552	4371185.80520336	3455.01123271110	3273.03811570255932	3155.69491765032	3154.2939955011694	3154.2939955011694	3154.2939955011694	141.6160341	141.6160341
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294	220	-19754.177561.1413	945353.3170250766	39.46458104555754	-01.4280232	291122.90833110816	4371156.96898255	3450.52260372827	3270.348349848395	3150.044052536	3134.51170870608	3134.51170870608	3134.51170870608	135.837813145734	135.837813145734
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296	220	-19756.176241.1413	945353.3170250766	39.4646051930012	-01.423504	291525.0130296713	4371139.35670829	3447.829215607606	3267.650337506525	3145.313119374374	3137.107710672654	3137.107710672654	3137.107710672654	128.8732256908752	128.8732256908752
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298	220	-19758.174921.1413	945353.3170250766	39.46462921351468	-01.418777	291927.11692898973	4371184.38205682	3454.9296153403	3274.861191530957	3165.660195565426	3159.429509	3159.429509	3159.429509	148.5354039812997	148.5354039812997
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301	220	-19761.172941.1413	945353.3170250766	39.46466468936316	-01.4116685	292530.2711905459	4371119.182	3442.443076574685	3260.88256618349	3139.3575526932036	3138.362163813841	3138.362			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
390	230	16849	-114861.1413	943537.3170250766	39.465530881388396	-101.2060643	101222.0043979045	4370761.976180719	3275.8237103072543	3142.2191028969014	3041.729365220019	3043.6503003389707	10.4893737688221	98.56880259379067
390	230	16850	-114201.1413	943537.3170250766	39.46553871369616	-101.2037279	101423.0532886762	4370757.9526292375	3271.77150914045	3140.74529768147	3039.984628224464	3041.3483274562237	10.7504974767793	98.79606041767793
391	230	16851	-113641.1413	943537.3170250766	39.4655465	-101.2013613	101624.0711993063	4370753.976102177	3268.8973890323363	3139.262131445438	3038.7611851430393	3041.3043038993912	10.50112303016478	99.35114204307108
392	230	16852	-112881.1413	943537.3170250766	39.46555424	-101.199055	101825.1055138886	4370749.87	3270.4070773087	3137.70227339979	3037.95560146717	3041.3483274562237	98.79606041767793	98.79606041767793
393	230	16853	-112221.1413	943537.3170250766	39.46556194	-101.1967186	1011026.1388487408	4370745.778760044	3265.3625193182716	3136.2691906014225	3037.46823242527	98.79606041767793	98.79606041767793	98.79606041767793
394	230	16854	-111561.1413	943537.3170250766	39.4655691589304	-101.1943822	101227.171986954	4370741.728201945	3263.609218556064	3134.759241095071	3036.138318527247	98.79606041767793	98.79606041767793	98.79606041767793
395	230	16855	-110901.1413	943537.3170250766	39.46557198228054	-101.1920457	101428.2046396004	4370737.68	3263.06526094834	3133.293978684878	3035.404073497489	98.79606041767793	98.79606041767793	98.79606041767793
396	230	16856	-110241.1413	943537.3170250766	39.4655874	-101.1897093	101629.2374473794	4370733.631332929	3263.731461740473874	3131.717341113884	3034.3641765823945	98.79606041767793	98.79606041767793	98.79606041767793
397	230	16857	-109691.1413	943537.3170250766	39.46559276103855	-101.1873728	101820.207618717	4370729.5829811293	3263.731461740473874	3131.717341113884	3034.3641765823945	98.79606041767793	98.79606041767793	98.79606041767793
398	230	16858	-108921.1413	943537.3170250766	39.46559747342091	-101.1850384	1012031.3027356607	4370725.34677845	3265.063191537027	3128.6270496225575	3032.107653701092	98.79606041767793	98.79606041767793	98.79606041767793
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400	230	16860	-107601.1413	943537.3170250766	39.46561454411331	-101.1803635	101243.3670271179	4370717.43858513	3264.1127245347907	3125.4852048092317	3029.77097917439	98.79606041767793	98.79606041767793	98.79606041767793
401	230	16861	-106941.1413	943537.3170250766	39.46562189	-101.1780271	101263.3988885576	4370713.31259591	3263.257018	3123.892064349198	3028.912079835305	98.79606041767793	98.79606041767793	98.79606041767793
402	230	16862	-106281.1413	943537.3170250766	39.46562918094997	-101.1759096	101283.4306667408	4370709.34384777	3262.401312	3122.2850247892545	3028.0509092113	98.79606041767793	98.79606041767793	98.79606041767793
403	230	16863	-105621.1413	943537.3170250766	39.465636426517335	-101.1735452	101306.4620618801	4370705.29688477	3260.29781972336	3120.664264818045	3026.16285213323	98.79606041767793	98.79606041767793	98.79606041767793
404	230	16864	-104961.1413	943537.3170250766	39.46564326950744	-101.1710177	101327.4933741789	4370701.24076059	3256.9465471464373	3119.033149966502	3024.982197819799	98.79606041767793	98.79606041767793	98.79606041767793
405	230	16865	-104301.1413	943537.3170250766	39.465650782250144	-101.1686813	101438.52456304387	4370697.203	3255.956272305182	3117.394409398749	3023.713562517246	98.79606041767793	98.79606041767793	98.79606041767793
406	230	16866	-103641.1413	943537.3170250766	39.465657820415564	-101.1663448	101369.5545107165	4370683.15638046	3250.24397494599	3115.749046779379	3022.398628027524	98.79606041767793	98.79606041767793	98.79606041767793
407	230	16867	-102981.1413	943537.3170250766	39.46566546474894	-101.1640084	101384.5862168117	4370681.10029447	3247.20021684655	3114.07694853185	3021.442530620981	98.79606041767793	98.79606041767793	98.79606041767793
408	230	16868	-102321.1413	943537.3170250766	39.46567198	-101.161672	101401.6167909719	4370685.03884634	3246.4660449815856	3112.440650527454	3020.57629823244	98.79606041767793	98.79606041767793	98.79606041767793
409	230	16869	-101681.1413	943537.3170250766	39.46567895210763	-101.1593355	101422.6427020468	4370678.9179424	3241.731168982157	3110.77703609157	3019.7502540187597	98.79606041767793	98.79606041767793	98.79606041767793
410	230	16870	-101001.1413	943537.3170250766	39.465685881736874	-101.1569991	101443.6714195164	4370676.97224401	3238.956291304846	3108.77993778592	3018.1725946608	98.79606041767793	98.79606041767793	98.79606041767793
411	230	16871	-100321.1413	943537.3170250766	39.46569276103855	-101.1546826	101469.0785139922	4370672.9358762292	3237.559286880199	3106.749548981093	3016.426269890343	98.79606041767793	98.79606041767793	98.79606041767793
412	230	16872	-99681.1413	943537.3170250766	39.4656995503144	-101.1523262	101485.731450505	4370668.8134296	3235.9392015104	3105.751	3016.871072036498	98.79606041767793	98.79606041767793	98.79606041767793
413	230	16873	-99021.1413	943537.3170250766	39.4657036982013	-101.1498987	101506.767	4370664.836291198	3229.3274104121833	3104.016135692409	3016.872838831785	98.79606041767793	98.79606041767793	98.79606041767793
414	230	16874	-98361.1413	943537.3170250766	39.46571314891301	-101.1476533	101524.794861205	4370661.91396057	3225.88028013792	3102.365223155855	3016.818902707076	98.79606041767793	98.79606041767793	98.79606041767793
415	230	16875	-97701.1413	943537.3170250766	39.465719852871764	-101.1453168	101548.828007324	4370656.74670886	3222.880594383717	3100.626970139153	3016.871072036498	98.79606041767793	98.79606041767793	98.79606041767793
416	230	16876	-97041.1413	943537.3170250766	39.46572651169685	-101.1429804	101569.8504349815	4370652.70227608	3220.236721219574	3098.962679759857	3015.804869766674	98.79606041767793	98.79606041767793	98.79606041767793
417	230	16877	-96381.1413	943537.3170250766	39.465733125890116	-101.1406188	101592.781369921	4370648.98996963	3217.559286880199	3097.238515982936	3014.626269890343	98.79606041767793	98.79606041767793	98.79606041767793
418	230	16878	-95721.1413	943537.3170250766	39.465738103855	-101.1383075	101610.9167370726	4370644.836291198	3215.94497775241	3097.238515982936	3014.626269890343	98.79606041767793	98.79606041767793	98.79606041767793
419	230	16879	-95061.1413	943537.3170250766	39.46574621736852	-101.135971	101625.9437315753	4370640.57003481	3213.02256768991	3093.76632884302	3010.8013175420338	98.79606041767793	98.79606041767793	98.79606041767793
420	230	16880	-94401.1413	943537.3170250766	39.46575269565645	-101.1336346	101643.96977207155	4370636.526389745	3210.482767258536	3091.9821612471665	3009.233694436297	98.79606041767793	98.79606041767793	98.79606041767793
421	230	16881	-93741.1413	943537.3170250766	39.46575912881015	-101.131281	101665.998076532	4370632.48265212	3205.0031180647156	3090.207263672303	3007.7683261427096	98.79606041767793	98.79606041767793	98.79606041767793
422	230	16882	-93081.1413	943537.3170250766	39.4657651682695	-101.1289617	101686.0263036544	4370628.439781444	3202.43898616776	3088.30678	3006.30678	98.79606041767793	98.79606041767793	98.79606041767793
423	230	16883	-92421.1413	943537.3170250766	39.4657718971483	-101.1266252	101705.053413244	4370623.963645615	3219.313112007073	3086.6326884222615	3005.685661766175	98.79606041767793	98.79606041767793	98.79606041767793
424	230	16884	-91761.1413	943537.3170250766	39.4657781546557	-101.124288	101725.081639992	4370618.35387658	3216.92035387905	3084.8351932378	3004.91544703505	98.79606041767793	98.79606041767793	98.79606041767793
425	230	16885	-91101.1413	943537.3170250766	39.4657841008276	-101.1219533	101749.0189160701	4370613.1270419	3214.25048940023	3083.04180600553	3006.708455517783	98.79606041767793	98.79606041767793	98.79606041767793
426	230	16886	-90441.1413	943537.3170250766	39.46579062	-101.1196159	101760.136019633	4370612.26880142	3212.8129194	3081.232753704574	3004.31540148211	98.79606041767793	98.79606041767793	98.79606041767793
427	230	16887	-89781.1413	943537.3170250766	39.46579677913546	-101.1172794	101781.163655308	4370608.226677718	3210.32964975333	3079.434168811354	3006.603911734313	98.79606041767793	98.79606041767793	98.79606041767793
428	230	16888	-89121.1413	943537.3170250766	39.46580289712751	-101.114943	101806.1906513078	4370604.18493135	3216.5018119360016	3077.617500516675	3009.4915411449633	98.79606041767793	98.79606041767793	98.79606041767793
429	230	16889	-88461.1413	943537.3170250766	39.46580899207719	-101.1126065	101826.3174593714	4370600.12169392	3213.700589869076	3075.857775871003	3008.264841199241	98.79606041767793	98.79606041767793	98.79606041767793
430	230	16890	-87801.1413	943537.3170250766	39.4658159152545	-101.1102	101844.244	4370596.10134743	3211.8485905853174	3074.0834507982004	3007.45302326774	98.79606041767793	98.79606041767793	98.79606041767793
431	230	16891	-87141.1413	943537.3170250766	39.46582289100851	-101.107836	101869.0785139922	4370592.9358762292	3209.749548981093	3072.749548981093	3006.749548981093	98.79606041767793	98.79606041767793	98.79606041767793
432	230	16892	-86481.1413	943537.3170250766	39.46582891464031	-101.105571	101886.2989194013	4370588.019	3207.85668132763	3070.550227005605	3005.902857185992	98.79606041767793	98.79606041767793	98.79606041767793
433	230	168												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVElevKgr.ft	BREVElevKgr.ft	SatHtElevKgr.ft	SatHtElevKgr.ft
515	230	169975	-31701.14133	943537.3170250766	-39.466162319582416	-100.9116703	335550.8809	4370253.32672005	3034.66890944224	2452.450808798886	2901.7716597928065	2901.0789601473828	48.014909067957	41.37091272405334
516	230	169976	-31041.14133	943537.3170250766	-39.466164464943205	-100.9093338	335751.8930464746	4370249.2063612735	3033.264379359593	2940.6321878176094	2900.5912717164327	2899.5411688342427	40.03145170728258	41.08201902818473
517	230	169977	-30381.14133	943537.3170250766	-39.46616651	-100.9069784	335852.902212416	4370251.72947947	3033.8417849276564	2928.378816591674	2898.378816591674	2898.441691827846	39.4411838125862	40.3771847638981
518	230	169978	-29271.14133	943537.3170250766	-39.46616862	-100.9046068	336153.9163658596	4370241.2561112	3030.41914911927	2937.05478633296	2898.54162352766	2897.58739137557	38.40349511355058	39.447529462771854
519	230	169979	-28601.14133	943537.3170250766	-39.46617063021559	-100.9032244	336354.92849272524	4370237.233055662	3028.584869738022	2937.271656311999	2897.903416509389	2897.593236	37.36823980260988	37.73840245548666
520	230	169980	-28041.14133	943537.3170250766	-39.46617205036376	-100.8998979	336555.94	4370233.10125728	3026.3389593922	2933.525447369024	2897.867625393724	2897.5014753209214	36.48442952997	36.02386137981026
521	230	169981	-27741.14133	943537.3170250766	-39.4661745172218	-100.8976154	336765.9513281871	4370229.187465098	3024.093403	2931.794957108444	2898.12280175456771	2897.755111560126	33.6721552562771	34.0398454071853
522	230	169982	-27081.14133	943537.3170250766	-39.466176399272974	-100.8953149	3367963.9625079083	4370225.16489174	3023.8471259707194	2930.78237105586	2898.453063039463	2898.091468679795	31.81987246612293	31.869864254779095
523	230	169983	-26421.14133	943537.3170250766	-39.46617821686876	-100.8929784	337158.97582924616	4370221.42704556	3019.765998178749	2928.378816591674	2898.378816591674	2898.441691827846	29.7366938447785	29.7366938447785
524	230	169984	-25761.14133	943537.3170250766	-39.4661800296922	-100.890642	337559.9832440095	4370217.12634049	3017.84996	2926.6736322715	2900.117247908037	2900.05456270218	26.51115319661	26.0249056759343
525	230	169985	-25101.14133	943537.3170250766	-39.466182174215246	-100.8880355	337660.950975722	4370213.08712955	3015.933207917091	2924.9914915118475	2901.96503858165	2900.465866235	23.0258764668235	23.947411960876404
526	230	169986	-24441.14133	943537.3170250766	-39.46618343612595	-100.885969	337762.0056449705	4370209.077115207	3014.01698279322	2923.3187765426	2896.5447031547533	2897.891371384732	26.76546671076257	25.39668430698392
527	230	169987	-23781.14133	943537.3170250766	-39.46618508501676	-100.8836325	337963.016347987	4370205.05566142	3012.000469	2921.640658328634	2896.805625715663	2897.863268343	30.77759737869846	30.77759737869846
528	230	169988	-23121.14133	943537.3170250766	-39.46618668742326	-100.881296	338164.02626726721	4370197.03440281	3009.884302309924	2919.9707646012	2895.8516037104523	2895.8516037104523	54.12547275	53.16034063
529	230	169989	-22481.14133	943537.3170250766	-39.46618824734795	-100.8789596	338365.634256794	4370191.03389201	3007.76799180696	2918.210522788095	2895.437293712106	2895.66410704437	66.8956417543375	66.8956417543375
530	230	169990	-21801.14133	943537.3170250766	-39.46618987180165	-100.8767231	338566.0463	4370192.99250907	3005.65162403077	2916.67128782514	2893.717655280973	2893.97198339973	78.95382582741193	78.95382582741193
531	230	169991	-21141.14133	943537.3170250766	-39.4661919251411	-100.8742868	338767.0562253267	4370187.91839674	3003.104285247506	2915.0241819125367	2892.110898983927	2892.868242748934	88.193282969093	88.1593916
532	230	169992	-20481.14133	943537.3170250766	-39.46619265235464	-100.8719501	338968.0562758447	4370184.95152677	3000.12577955268	2913.379032452464	2891.7107323658	2891.6632829136	96.9196294857038	88.59074196282961
533	230	169993	-19821.14133	943537.3170250766	-39.4661940304201	-100.8696137	339169.075673096	4370180.93181826	2997.147295364038	2911.736216335925	2892.83883157707	2893.258613108097	86.897851827197	78.4770232783415
534	230	169994	-19161.14133	943537.3170250766	-39.46619536335036	-100.8677272	339370.0843689012	4370176.91134448	2994.168814010654	2910.053053893912	2890.20103934421	2893.01731165816	87.08213277306959	76.08213277306959
535	230	169995	-18501.14133	943537.3170250766	-39.46619665114592	-100.8649407	339571.093865229	4370172.8915221	2992.85563237035	2908.455727716716	2893.98177436234	2892.9039858530147	72.744058039254	55.54628916301254
536	230	169996	-17841.14133	943537.3170250766	-39.4661979380526	-100.862042	339772.10248651216	4370168.87193819	2991.510403217235	2906.8743	2894.527717362304	2892.761231933499	65.289158	40.05579617160584
537	230	169997	-17181.14133	943537.3170250766	-39.46619921315125	-100.859284	339973.1151194275	4370164.91452064	2989.54635016881	2904.8182716918	2893.62183285918	2892.52183285918	65.289158	40.05579617160584
538	230	169998	-16521.14133	943537.3170250766	-39.46620024372174	-100.8579313	340174.012	4370160.8337213	2993.818309175597	2903.540373867236	2892.7135277647913	2894.366715900654	51.3668101024729	29.173666717713917
539	230	169999	-15861.14133	943537.3170250766	-39.46620135097694	-100.8555948	340375.128497074	4370158.81421608	2992.94939167152	2901.800491961542	2897.3303655736045	2898.53840741503	44.57012638793731	33.3166512200369
540	230	170000	-15201.14133	943537.3170250766	-39.46620243097015	-100.8532583	340576.1368571904	4370152.79562991	2990.354418142623	2900.26278865492	2892.074229452974	2896.77015737865	38.1885920651549	33.49173091570537
541	230	170001	-14541.14133	943537.3170250766	-39.4662033008206	-100.8509218	340777.145026146	4370147.71171227	2987.860515496004	2898.62914242271	2895.527071447805	2898.33766848445	31.0597079648571	30.291473786379
542	230	170002	-13881.14133	943537.3170250766	-39.46620441932046	-100.8489583	340978.1311534795	4370144.75876453	2986.96612867444	2896.99984709988	2895.9106241520693	2897.47474067475	31.08906055789157	29.2022104251291
543	230	170003	-13221.14133	943537.3170250766	-39.46620556284687	-100.8469784	341178.16191079376	4370142.76828511	2986.298197817428	2896.57917678006	2895.427862826714	2895.07479187068	32.150838959784263	30.76259187618423
544	230	170004	-12561.14133	943537.3170250766	-39.4662067022268	-100.8439124	341380.189	4370140.7221428	2985.348971438	2895.73391152048	2894.853220624097	2894.853220624097	30.76259187618423	30.76259187618423
545	230	170005	-11901.14133	943537.3170250766	-39.46620764667198	-100.8415759	341581.176441388	4370132.70497123	2984.861639744247	2892.13792369544	2893.344145158	2895.62105734358	33.191792435609	61.808567816609
546	230	170006	-11241.14133	943537.3170250766	-39.4662087398166	-100.8392394	341782.183642317	4370128.68745382	2982.91874204958	2980.587642904815	2894.38963553159	2894.721730339691	43.17730737322625	41.51865465079064
547	230	170007	-10581.14133	943537.3170250766	-39.4662088	-100.8369029	341983.9115759514	4370124.67033912	2981.57672685129	2888.921662050393	2896.3715237583506	2896.3715237583506	50.2513885	52.314256071499
548	230	170008	-9921.14133	943537.3170250766	-39.46620928519582	-100.8345665	342184.198263803	4370120.65330971	2980.11373481444	2887.322701381	2890.306921261642	2891.323821893789	67.0157013957672	67.98989841741891
549	230	170009	-9261.14133	943537.3170250766	-39.4662099110929	-100.83223	342385.20526157226	4370116.63814727	2984.6510567915595	2885.7244088017	2890.74504894448	2890.74504894448	83.9629716655004	86.507348704788
550	230	170010	-8601.14133	943537.3170250766	-39.46621055186698	-100.82984	342586.2120330913	4370112.61845264	2983.29818484728	2884.1535373795646	2890.427862826714	2891.77154779506	87.021410274033	86.357748001596
551	230	170011	-7941.14133	943537.3170250766	-39.46621112	-100.82757	342787.21875376836	4370108.60296962	2982.934623952999	2882.54372314164	2890.631506380654	2891.5072307109075	86.0356425310326	86.0356425310326
552	230	170012	-7281.14133	943537.3170250766	-39.46621163800322	-100.8252205	342988.2252711374	4370104.58696323	2980.9389624433	2880.969358407903	2894.454908431424	2894.454908431424	56.102245743462	55.46285150050419
553	230	170013	-6621.14133	943537.3170250766	-39.4662121336736	-100.822884	343189.2316326778	4370100.70326595	2980.85138260268	2879.3697196190327	2892.928486052752	2892.856525430156	50.1547545009742	50.1547545009742
554	230	170014	-5961.14133	943537.3170250766	-39.46621253496455	-100.8205476	343390.23378	4370096.55476045	2980.0899645601	2877.78337063123	2892.812057875775	2892.812057875775	48.571321306350	48.03632750582865
555	230	170015	-5301.14133	943537.3170250766	-39.466212986044	-100.818211	343591.2439105907	4370092.35910408	2979.306746502108	2876.96332832834	2892.661497264752	2892.678968628936	45.31635390198187	45.31635390198187
556	230	170016	-4641.14133	943537.3170250766	-39.4662132686434	-100.8158746	343792.2486202483	4370088.53265539	2978.612649640243	2874.6076855427	2892.30815552553	2892.30815552553	45.31635390198187	45.31635390198187
557	230	170017	-3981.14133	943537.3170250766	-39.466213698163	-100.81349	343993.254621554	4370084.39277279	2977.8261892240383	2873.724682746383	2891.9747862746383	2891.9747862746383	45.31635390198187	45.31635390198187
558	230	170018	-3321.14133	943537.3170250766	-39.4662141381913	-100.811206	344194.2611855483	4370080.493737279	2976.904501976092	2872.7473746963	2891.4776293189406	2892.576940256135	44.94894175752515	45.31635390198187
559	230	170019	-2661.14133	943537.3170250766	-39.46621457715565	-100.8088652	344395.2							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtLog.ft	SatHtBot.ft
641	230	17011	51458.85867307335	943537.3170250766	39.46607719655201	-100.117274	360877.2196625145	4369747.965287849	2826.92229092636	2725.837548487925	2658.620679376535	2666.3751596078334	7.126186891113908	59.4623734095917
642	230	17012	5118.85867307335	943537.3170250766	39.46607365490056	-100.114375	361078.2136018485	4369743.763875689	2822.321363536206	2723.025601400086	2657.715879365358	2662.4737506355036	61.4518676137544	61.4518676137544
643	230	17013	5237.85867307335	943537.3170250766	39.4660708611428	-100.12681	361279.2071071069	4369738.970042591	2820.707121706573	2722.020064031283	2658.811881293634	2657.9278041628183	64.092424031196	64.092424031196
644	230	17014	52438.85867307335	943537.3170250766	39.4660664361321	-100.102466	361480.2005	4369735.92706651	2819.0756460474	2720.1208314768814	2653.047804582324	2653.047804582324	66.209701084902	67.1164620936945
645	230	17015	54098.85867307335	943537.3170250766	39.4660627591373	-100.0679281	361681.1937175275	4369731.975750234	2817.452007159047	2718.229103865942	2655.424243106286	2645.181265338362	62.80485955531367	63.472785219046
646	230	17016	54758.85867307335	943537.3170250766	39.46605903694663	-100.0559196	361882.1866233965	4369727.978490396	2815.824530300891	2716.3468765187013	2655.265319605522	2650.560012031387	61.881566913179156	65.78065041332825
647	230	17017	55418.85867307335	943537.3170250766	39.466055269621194	-100.032551	362083.1797954191	4369723.982179375	2814.057866766105	2714.4749653993927	2654.6630270017477	2652.884141763375	59.81193839764501	61.98650360071455
648	230	17018	56078.85867307335	943537.3170250766	39.46605146716094	-100.009817	362284.1726351817	4369719.965716035	2812.152256609625	2712.163988911579	2654.1381169693484	2653.995581004844	58.8495817109452	58.8495817109452
649	230	17019	56738.85867307335	943537.3170250766	39.4660475955691	-100.598822	362485.1653424256	4369715.989458291	2810.246646	2710.764387632445	2653.2305391728955	2652.104897296863	57.53384962454818	57.53384962454818
650	230	170110	57398.85867307335	943537.3170250766	39.46604336653614	-100.5962457	362696.1597173595	4369711.993406494	2807.3410362367176	2708.026516794225	2651.515843700522	2643.2296462403385	57.101712721	57.101712721
651	230	170111	58058.85867307335	943537.3170250766	39.46603974897159	-100.5939033	362887.15038018775	4369707.997560633	2806.2841270693697	2707.0992142319583	2648.838074761433	2635.214381091496	58.26313947051494	71.8848314042643
652	230	170112	58718.85867307335	943537.3170250766	39.466035755972314	-100.5915728	363088.14267111657	4369704.010297074	2803.8605386348205	2705.284351259176	2645.455172186496	2635.562514682326	59.8216296142455	69.7210623564949
653	230	170113	59378.85867307335	943537.3170250766	39.4660317178328	-100.5892363	363289.1348505346	4369700.06466925	2801.6879356734027	2703.481658516818	2642.063538178214	2638.47820220041	61.4163071862357	65.00348263
654	230	170114	60038.85867307335	943537.3170250766	39.466027634569514	-100.586899	363490.126890392	4369696.01125892	2799.407138153141	2636.942039488957	2640.3636330992894	2644.7492946444519	63.7257505384248	65.4231965384248
655	230	170115	60698.85867307335	943537.3170250766	39.46602356916025	-100.584634	363691.1881455197	4369692.016236394	2797.91774961472	2634.99336822795	2637.1670463354623	2637.9554958187262	68.4128190767917	68.4128190767917
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658	230	170118	62678.85867307335	943537.3170250766	39.466010850147235	-100.577554	364294.0937827524	4369680.03405116	2793.6446056714392	2610.9750755844293	2612.6878304832658	2613.698011296291	75.85125623112645	75.85125623112645
659	230	170119	63338.85867307335	943537.3170250766	39.4660054120491	-100.5752175	364495.085	4369676.03260434	2791.686205045607	2609.305035324485	2604.36216078068	2609.643810193828	85.4134453478709	88.46540334865638
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661	230	170121	64658.85867307335	943537.3170250766	39.465997787916216	-100.5705446	364897.06767872616	4369668.05042635	2787.158051904464	2605.43486297542	2613.868607	2610.9840716779684	75.75772236914	78.4400668175782
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665	230	170125	67298.85867307335	943537.3170250766	39.465979739722826	-100.5611987	365701.030803662	4369652.07070301	2784.01936645805	2602.567391036745	2610.747322585852	2605.027781951381	77.53589712233556	77.53589712233556
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672	230	170132	71918.85867307335	943537.3170250766	39.46594642	-100.5448435	367107.9615067739	4369624.132533162	2827.282740557033	2620.7041004667309	2606.387674673645	2601.946758445122	64.323299994453	69.1730102218702
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674	230	170134	73238.85867307335	943537.3170250766	39.46593649090997	-100.5401705	367509.306549619196	4369616.14992027	2831.27119692329	2607.049615723295	2603.279721784614	2600.2588139712852	63.81893086105	68.8380172500996
675	230	170135	73898.85867307335	943537.3170250766	39.46593145981368	-100.5378341	367710.925990740383	4369612.15991623	2833.210669978191	2605.2530280739	2603.6847667479571	2597.20305361911	61.56585712594017	67.53274935620198
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679	230	170139	76538.85867307335	943537.3170250766	39.46591084083215	-100.5284882	368514.8860579281	4369596.197448897	2839.36267044832	2599.214908	2597.95995695324	2583.4784115542401	65.72746123444871	65.72746123444871
680	230	170140	77198.85867307335	943537.3170250766	39.46590562314314	-100.5261518	368715.8747589905	4369592.072571332	2838.47310652585	2605.6125782172293	2596.998310701937	2589.612281992338	64.55238474933956	64.55238474933956
681	230	170141	77858.85867307335	943537.3170250766	39.4659003251089	-100.5238153	368916.8633412153	4369588.21799943	2837.584525626876	2603.6390067931	2595.141741220387	2590.501215241574	63.1518858091743	63.1518858091743
682	230	170142	78518.85867307335	943537.3170250766	39.465895748737302	-100.5214789	369119.81571853023	4369584.28431955	2838.695613	2595.2171509	2594.19222660940	2590.36649708806	57.5207423436001	61.35281203445402
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684	230	170144	79838.85867307335</											

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThvLog.s	SatThvBoth.ft
27	23	17027	-353781.1413	944197.3170250766	39.46154302947958	-102.0518297	237438.04275738675	437243.091495448	3899.137582091677	373.166750807021	3589.902995154107	3594.505997626155	83.17845135486009	78.6607532414553
28	23	17028	-353121.1413	944197.3170250766	39.461567199171235	-102.0494836	237639.1570920414	437438.9650050465	3895.240872043664	371.9196464054384	3585.573457778313	3590.669572586402	86.34620614325646	81.25009146232646
29	23	17029	-353661.1413	944197.3170250766	39.46158913212902	-102.0471678	237840.2171968094	437434.8303717289	3891.343411957028	3670.8611957028	3570.8611957028	3586.267740909049	85.50813211486325	84.3963891564698
30	23	17030	-351801.1413	944197.3170250766	39.46151540318288	-102.0442816	237840.31848675713	437430.711447767	3891.743716889745	3669.391863265735	3577.13056113308	3587.210913730547	87.24601212326547	87.45094946216496
31	23	17031	-351141.1413	944197.3170250766	39.46163943751472	-102.0424852	238242.49864488613	437426.588781226	3883.759834	3668.090132618853	3573.763336	3580.4600944571096	84.326796901347	87.62923214
32	23	17032	-350481.1413	944197.3170250766	39.4616362671058	-102.0401491	238443.6119	437422.646303758	3880.28163027707	3665.754491692583	3571.09092005611	3583.1389999043783	83.61549188857407	87.45094946216496
33	23	17033	-349821.1413	944197.3170250766	39.46168373078238	-102.037813	238644.7248916937	437424.138691304	3876.804132138912	3665.395307645392	3568.9994791670433	3585.765267453923	86.969826074593	87.62923214
34	23	17034	-349161.1413	944197.3170250766	39.461711269730074	-102.0354768	238845.837615908	437424.1218	3874.32520133502	3664.023674017926	3567.1555367366723	3586.889527032932	86.969826074593	78.13414699
35	23	17035	-348501.1413	944197.3170250766	39.4617512355361	-102.0331407	239046.95682274448	437420.398455154	3869.3449862	3652.540154452538	3568.348926714503	3584.694652884132	87.25690773803466	84.3963891564698
36	23	17036	-347841.1413	944197.3170250766	39.461758932252634	-102.0308406	239248.0525439745	437415.95133967	3864.874755153987	3651.261841809097	3563.503367993076	3589.5347750114665	87.77545119160214	71.72706887
37	23	17037	-347181.1413	944197.3170250766	39.4617698582805	-102.0284684	239445.17454690033	437401.841035112	3860.40520816112	3659.874026417092	3562.221597414515	3588.6412047971466	87.65266732657302	71.20350517562573
38	23	17038	-346521.1413	944197.3170250766	39.46180641427886	-102.0261323	239650.286295507	4372397.77159302	3855.93260383228	3658.47966470747	3560.42959517684	3583.524737895157	87.9870678995745	74.9542681
39	23	17039	-345861.1413	944197.3170250766	39.46183006760534	-102.0237962	239851.3784171787	437239.853458258	3851.1956213536075	3657.076791714608	3558.744201106044	3574.558821308711	93.3670900856426	82.51797490858722
40	23	17040	-345201.1413	944197.3170250766	39.4618371580745	-102.02146	240052.590146732	437239.470022992	3846.194089579147	3655.66120195518	3556.54492267943	3562.965817918862	91.11589527465291	92.6993027307051
41	23	17041	-344541.1413	944197.3170250766	39.46187122688512	-102.0191239	240253.61989774012	437238.346717415	3841.1952577902794	3654.2441895266202	3554.711405196589	3564.618951978192	95.3327832675609	89.625320
42	23	17042	-343881.1413	944197.3170250766	39.4619008368332	-102.0167877	240454.73070350458	437231.223730792	3838.19102600616	3652.814210913835	3552.02011158326	3562.83461892121	99.894019802604	90.979919802604
43	23	17043	-343221.1413	944197.3170250766	39.46192432966703	-102.0144516	240655.84116218137	437237.1009011185	3831.832325705337	3651.374856388337	3550.8561606010926	3561.0184963771817	100.5184963771817	96.3423017671052
44	23	17044	-342561.1413	944197.3170250766	39.46194777737116	-102.0121154	240856.951363374	437237.282382	3828.209172750374	3649.924875024118	3548.93162886642	3549.425182024414	100.99326115765636	100.4996947699743
45	23	17045	-341901.1413	944197.3170250766	39.46195171995008	-102.0097793	241058.06130908846	437236.85845785	3825.55122393539	3648.4664673827406	3547.133674163823	3543.039564221861	101.33079321891728	105.4251409496794
46	23	17046	-341241.1413	944197.3170250766	39.4619343740558	-102.0074431	241259.1700377702	437234.733677702	3820.901767305407	3646.94380418744	3545.147080751269	3549.696251918609	101.7487297	97.2981250013514
47	23	17047	-340581.1413	944197.3170250766	39.46218748973576	-102.005107	241460.2804301104	437236.011691743	3818.75192654622	3645.517362109519	3543.0793023049373	3554.844781960874	102.4305809458183	91.03288931434716
48	23	17048	-339921.1413	944197.3170250766	39.46204111694121	-102.0027708	241681.3896	437235.49916696	3816.10770117293	3644.03302697597	3540.952846645583	3552.218556289953	103.0796642701063	91.8142744174385
49	23	17049	-339261.1413	944197.3170250766	39.46206272386285	-102.0004547	241892.166882737	437234.94386254	3813.238686142878	3643.28686142878	3539.814289285132	3553.387178327163	108.7303851437598	90.0014748712461
50	23	17050	-338601.1413	944197.3170250766	39.46208752	-101.9980958	242063.8071917043	437234.247	3816.819247525962	3641.03263706987	3538.479264573282	3545.045362848413	104.55896149739146	92.9736090858483
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52	23	17052	-337281.1413	944197.3170250766	39.4621337451473	-101.9934262	242465.82375522083	437234.005	3822.3819473145	3635.005025917608	3531.663272	3543.39808704863	106.3417544	94.60063867
53	23	17053	-336621.1413	944197.3170250766	39.462156776095824	-101.99109	242666.931654237	437233.88420491	3826.307321897254	3636.4728555324	3529.059800528776	3546.4270375497827	107.104295824464	90.0454110558724
54	23	17054	-335961.1413	944197.3170250766	39.4621797725193	-101.9887359	242868.039296608	437233.76395182	3830.231254766967	3634.932399266056	3526.365527446862	3555.3627123661163	108.5668718137976	79.569898945434
55	23	17055	-335301.1413	944197.3170250766	39.4622027198523	-101.986417	243069.146688277	437233.64339624	3835.989731968148	3634.055701624167	3518.4253036833123	3557.2739278998983	105.63039872343461	85.417471704869
56	23	17056	-334641.1413	944197.3170250766	39.4622311195623	-101.9840815	243270.2538232545	437233.523331223	3831.14355915135	3631.8416384177	3514.78632	3558.212717081247	104.0258394438	95.8572981504
57	23	17057	-333981.1413	944197.3170250766	39.462248491169724	-101.98175454	243471.36070456918	437231.9043311725	3830.9437346678402	3630.29141068344	3519.70151470841	3581.6923125976883	110.5889597480331	96.3589735875845
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59	23	17059	-332661.1413	944197.3170250766	39.4622940795577	-101.977073	243873.5730486032	437231.164039391	3829.0970537414487	3627.1806440424994	3518.77454624375	3579.7917922985457	108.40097798723	97.38885174395364
60	23	17060	-332001.1413	944197.3170250766	39.46231680360926	-101.9747369	244074.678265186	437230.05406747	3825.01765341187	3625.6199472701967	3518.5631178407325	3576.029656788789	107.050826978462	49.590293140771
61	23	17061	-331341.1413	944197.3170250766	39.4623394420475	-101.9724007	244275.785990794	437230.5923083924	3827.9097769381648	3624.055701624167	3518.4253036833123	3557.2739278998983	105.63039872343461	85.417471704869
62	23	17062	-330681.1413	944197.3170250766	39.46236221195623	-101.9700454	244476.913038917	437229.80720715	3827.1358953552	3623.01703093487	3514.78632	3558.212717081247	104.0258394438	95.8572981504
63	23	17063	-330021.1413	944197.3170250766	39.46238470420424	-101.9677283	244677.9665640177	437229.6885975	3826.93102467281	3620.916299	3518.700726780808	3558.03375454	102.1956689452312	98.65563369475826
64	23	17064	-329361.1413	944197.3170250766	39.46240725527966	-101.9653922	244875.0177137778	437229.50194314	3826.757019	3619.340813701555	3519.1084752810175	3582.30170108977	102.3205008301304	97.0108112802763
65	23	17065	-328701.1413	944197.3170250766	39.46242953506125	-101.963056	245080.2066217698	437228.40507428	3826.582735007476	3617.762119904089	3518.957482058037	3583.9953259447293	107.9046278460518	33.7667968395976
66	23	17066	-328041.1413	944197.3170250766	39.46245221025876	-101.9607198	245281.311228635	437228.342625848	3826.406451275752	3616.179929238127	3520.818882009401	3578.063067408956	95.2810472287064	83.14386182910201
67	23	17067	-327381.1413	944197.3170250766	39.4624746200582	-101.9583836	245482.41587891938	437228.216205847	3826.672827841754	3614.594969593802	3520.4217837	3569.318267	107.1768959912517	45.27642909956201
68	23	17068	-326721.1413	944197.3170250766	39.46249644787265	-101.9560474	245683.519677275	437227.04986577	3825.01765341187	3613.07134683013	3524.40024124005	3558.1148908358714	108.60887323026519	53.8921538225196
69	23	17069	-326061.1413	944197.3170250766	39.46251913788131	-101.9537517	245896.101308917	437226.80720715	3824.78193842406	3609.82029557848	3520.003071545149	3550.37382980978	105.63039872343461	85.417471704869
70	23	17070	-325401.1413	944197.3170250766	39.46254157881131	-101.9513741	246083.7711888197	437226.96421233	3828.78193842406	3609.82029557848	3520.003071545149	3550.37382980978	105.63039872343461	85.417471704869
71	23	17071	-324741.1413	944197.3170250766	39.46256380813754	-101.9490389	246266.8305	437226.747	3828.547501309327	3608.250645232523	3533.410672969533	3544.230827593629	104.824	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
151	231	170353	-270621.1413	94.1917.3170250766	39.464233045971746	-101.7574669	262776.4892051016	4731924.876	3268.5293044972545	3368.1152373625725	3367.491198047206	3367.491198047206	15.2394858107159	121.06203931356629
154	231	170354	-269961.1413	94.1917.3170250766	39.46245152971951	-101.7551306	262977.5524060401	471920.776405237	3624.485776446458	3467.041032369847	3342.403836364827	3342.403836364827	14.6371926215754	125.47752555544331
155	231	170355	-269901.1413	94.1917.3170250766	39.464233045971746	-101.7574669	262776.4892051016	4731924.876	3268.5293044972545	3368.1152373625725	3367.491198047206	3367.491198047206	15.2394858107159	121.06203931356629
156	231	170356	-269841.1413	94.1917.3170250766	39.464233045971746	-101.7574669	262776.4892051016	4731924.876	3268.5293044972545	3368.1152373625725	3367.491198047206	3367.491198047206	15.2394858107159	121.06203931356629
157	231	170357	-267981.1413	94.1917.3170250766	39.46340670118863	-101.7481217	263580.8060609003	4731904.38069163	3618.8519529526374	3482.73179258619	3339.846151438753	3334.674437678978	14.28865411743804	148.05735490721327
158	231	170358	-267321.1413	94.1917.3170250766	39.464325013420144	-101.7457854	263781.88287328626	4731904.38069163	3617.4112159594373	3481.777903427765	3339.02296843584	3319.777903427765	14.28865411743804	161.55074741560202
159	231	170359	-266661.1413	94.1917.3170250766	39.46434327	-101.7434491	263982.96490645787	4731902.28265441	3614.6018461048603	3479.3873443110394	3338.213881992304	3338.213881992304	14.28865411743804	170.97853016042752
160	231	170360	-266001.1413	94.1917.3170250766	39.46436148450473	-101.7411128	264184.04860571	4731896.140861918	3617.896069352337	3479.3873443110394	3338.213881992304	3338.213881992304	14.28865411743804	186.841217628197
161	231	170361	-265341.1413	94.1917.3170250766	39.464399633928	-101.7387765	264385.126783974	4731892.69879003	3617.896069352337	3479.3873443110394	3338.213881992304	3338.213881992304	14.28865411743804	198.51484636981736
162	231	170362	-264681.1413	94.1917.3170250766	39.46441770563325	-101.7364402	264596.2097087033	4731897.988	3602.07380695448	3373.15741338154	3338.213881992304	3338.213881992304	14.28865411743804	213.4629237383179
163	231	170363	-264021.1413	94.1917.3170250766	39.46441558264885	-101.7341038	264787.2908110772	4731880.890733665	3598.890910328271	3474.518628817535	3336.101352741574	3308.42173986444	13.727584017417	256.089846179308
164	231	170364	-263361.1413	94.1917.3170250766	39.46443388510474	-101.7317676	264988.371681266	4731879.9373648	3596.054300500112	3473.2052010357656	3334.443524273676	3334.443524273676	13.727584017417	282.9231473
165	231	170365	-262701.1413	94.1917.3170250766	39.464451872431425	-101.7294313	265189.4523194795	4731875.69623349	3595.001489717524	3471.908212510774	3334.339797252577	3334.339797252577	13.727584017417	296.9648776272493
166	231	170366	-262041.1413	94.1917.3170250766	39.464469814628714	-101.727095	265391.3027259103	4731875.69623349	3593.062490494336	3469.67109276073	3333.214898229836	3327.4427109276073	13.727584017417	312.18256558973362
167	231	170367	-261381.1413	94.1917.3170250766	39.464487711666584	-101.7247587	265690.6129007795	4731867.50265299	3592.70988404137	3469.363488271077	3332.025427199197	3327.4427109276073	13.727584017417	328.161217628197
168	231	170368	-260721.1413	94.1917.3170250766	39.46450556303495	-101.7224223	265972.0294420284	4731863.4049381	3594.229645158873	3468.115767803333	3330.288428726864	3327.4427109276073	13.727584017417	344.1015044668
169	231	170369	-260061.1413	94.1917.3170250766	39.4645123704385	-101.720086	266293.77556327	4731859.3904745	3596.70422799023	3466.84677494815	3328.36258025381	3316.1299566105263	13.727584017417	359.750241393152
170	231	170370	-259401.1413	94.1917.3170250766	39.46454133212323	-101.7177497	266194.8520330363	4731855.21364431	3597.18720164537	3465.669498978837	3326.06493117011	3316.1299566105263	13.727584017417	375.4606131175705
171	231	170371	-258741.1413	94.1917.3170250766	39.46455885	-101.7154134	266395.931288838	4731851.17175816	3596.81530681835	3464.468470154547	3323.308232075865	3313.9037917527394	13.727584017417	391.16023694608
172	231	170372	-258081.1413	94.1917.3170250766	39.46457652003919	-101.7130771	266597.0103087987	4731847.022081013	3594.82734423575	3463.287245437976	3319.9959826315	3312.487245437976	13.727584017417	407.1564670740878
173	231	170373	-257421.1413	94.1917.3170250766	39.464594146337346	-101.7107408	266798.089958759	4731842.92616265	3592.37048030914	3462.108360247313	3316.746669891463	3312.487245437976	13.727584017417	423.1565586369187
174	231	170374	-256761.1413	94.1917.3170250766	39.46461172744636	-101.7084044	266999.167653233	4731838.831	3590.19762166543	3460.562010973735	3313.4083963615687	3312.487245437976	13.727584017417	439.15751464339
175	231	170375	-256101.1413	94.1917.3170250766	39.46463012514309	-101.706069	267200.245879647	4731834.783107904	3588.24862003683	3458.977515125847	3310.268977896226	3312.487245437976	13.727584017417	455.158683585918
176	231	170376	-255441.1413	94.1917.3170250766	39.4646454477265	-101.7037318	267401.3240877933	4731830.61474005	3588.72321296135	3457.6572807284736	3307.566434101175	3306.42031377907	13.727584017417	471.108173133559
177	231	170377	-254781.1413	94.1917.3170250766	39.46466200248926	-101.7013955	267602.401958438	4731826.54682741	3586.812813126133	3457.567347432801	3304.814164803289	3304.814164803289	13.727584017417	487.158683585918
178	231	170378	-254121.1413	94.1917.3170250766	39.4646816008902	-101.6990592	267803.475996386	4731822.45340615	3588.330265301434	3456.50407988190	3302.322326806763	3302.322326806763	13.727584017417	503.158683585918
179	231	170379	-253461.1413	94.1917.3170250766	39.4646985640284	-101.6967228	268004.5570117844	4731818.38223652	3585.352491901753	3455.352491901753	3300.33844224301	3302.322326806763	13.727584017417	519.158683585918
180	231	170380	-252801.1413	94.1917.3170250766	39.46471626675801	-101.6943865	268205.631499254	4731814.2642813	3583.47147295704	3454.298898926267	3299.04320339534	3299.04320339534	13.727584017417	535.158683585918
181	231	170381	-252141.1413	94.1917.3170250766	39.46473403370795	-101.6920592	268406.711489152	4731810.51891047	3581.576573313047	3453.190841585975	3297.851537	3297.851537	13.727584017417	551.158683585918
182	231	170382	-251481.1413	94.1917.3170250766	39.464751215967	-101.6897139	268607.7877575173	4731806.7963907	3579.807748878085	3452.074504335252	3297.851537	3297.851537	13.727584017417	567.158683585918
183	231	170383	-250821.1413	94.1917.3170250766	39.464767832151954	-101.6873775	268808.864731344	4731802.93496027	3585.054536112033	3450.7057100116513	3295.90027270977	3293.72442719875	13.727584017417	583.158683585918
184	231	170384	-250161.1413	94.1917.3170250766	39.46478505701431	-101.6850412	269009.9046343006	4731797.8903389	3584.243062422993	3451.11365693688	3293.83621688535	3293.83621688535	13.727584017417	599.158683585918
185	231	170385	-249501.1413	94.1917.3170250766	39.46480241474664	-101.6827409	269211.016684836	4731793.79739173	3583.28023673358	3447.72803369487	3289.51105205065	3289.51105205065	13.727584017417	615.158683585918
186	231	170386	-248841.1413	94.1917.3170250766	39.46481918	-101.6803835	269412.0942909307	4731789.70458484	3582.782917272465	3446.794899138882	3288.713570943058	3288.713570943058	13.727584017417	631.158683585918
187	231	170387	-248181.1413	94.1917.3170250766	39.46483697582106	-101.6780322	269613.1688957192	4731785.61272411	3581.376595468124	3444.67841298194	3288.7051227834	3288.7051227834	13.727584017417	647.158683585918
188	231	170388	-247521.1413	94.1917.3170250766	39.46485471251309	-101.6756949	269814.2434518734	4731781.51891047	3579.807748878085	3443.190841585975	3287.851537	3287.851537	13.727584017417	663.158683585918
189	231	170389	-246861.1413	94.1917.3170250766	39.4648720329476	-101.6733595	270015.3817616746	4731776.47270853	3578.07170268154	3441.67496918268	3286.97916889765	3286.97916889765	13.727584017417	679.158683585918
190	231	170390	-246201.1413	94.1917.3170250766	39.46488989	-101.6710232	270216.393483205	4731773.3395013	3576.598425003276	3440.193849211155	3289.281190531306	3289.281029	13.727584017417	695.158683585918
191	231	170391	-245541.1413	94.1917.3170250766	39.46490372040804	-101.6688689	270417.468121656	4731769.2441371	3574.835310526107	3438.72903986615	3288.9419257172827	3288.9419257172827	13.727584017417	711.158683585918
192	231	170392	-244881.1413	94.1917.3170250766	39.46492047122921	-101.6663505	270618.5426147019	4731765.15239626	3573.0667847443635	3437.81797895293	3288.2490795334734	3288.2490795334734	13.727584017417	727.158683585918
193	231	170393	-244221.1413	94.1917.3170250766	39.4649371949209	-101.6640142	270819.61864810396	4731761.06131794	3571.22069967167	3435.80741848264	3287.31611548175	3287.31611548175	13.727584017417	743.158683585918
194	231	170394	-243561.1413	94.1917.3170250766	39.46495387340604	-101.6616718	271020.6908413245	4731756.93013324	3569.60127179995	3434.5808192736	3286.05032342207	3286.05032342207	13.727584017417	759.158683585918
195	231	170395	-242901.1413	94.1917.3170250766	39.46497061340604	-101.6593382	271221.7683176166	4731752.7828053	3567.76273694498	3433.649026187025	3285.07783399485	3285.07783399485	13.727584017417	775.158683585918
196	231	170396	-242241.1413	94.1917.3170250766	39.4649870521063	-101.6570051	271422.834617166	4731748.7828053	3565.92072606494	3431.649026187025	3284.07783399485	3284.07783399485	13.727584017417	791.158683585918
197	231	170397	-241											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BRrElevLogK.ft	BRrElevBothK.ft	SatHtElev.ft	SatHtBoth.ft
279	231	170478	-187461.1413	944197.3170250766	39.4662059660776	-11.4630852	28811.176927294	4371409.996832989	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
280	231	170478	-186801.1413	944197.3170250766	39.46621939384999	-11.4607488	28812.2312514227	4371409.996832989	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
281	231	170481	-186841.1413	944197.3170250766	39.46622193938499	-11.4607488	28812.2312514227	4371409.996832989	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
282	231	170482	-185481.1413	944197.3170250766	39.46624458293603	-11.456076	28813.3421662485	4371397.7714011	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
283	231	170483	-184821.1413	944197.3170250766	39.4662574177981	-11.4537395	28815.39687556634	4371397.7714011	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
284	231	170484	-184161.1413	944197.3170250766	39.46627051349078	-11.4514031	28816.16177370036	4371397.7714011	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
285	231	170485	-183501.1413	944197.3170250766	39.46628230368835	-11.4490667	28817.506567115017	4371397.7714011	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
286	231	170486	-182841.1413	944197.3170250766	39.4662952951399	-11.4467033	28818.597582017	4371381.489761012	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
287	231	170487	-182181.1413	944197.3170250766	39.46630771062622	-11.4443838	28819.6136385667	4371381.489761012	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
288	231	170488	-181521.1413	944197.3170250766	39.46632014701167	-11.4420574	28820.6678111008	4371381.489761012	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
289	231	170489	-180861.1413	944197.3170250766	39.46633253805797	-11.439721	28821.7609	4371369.27566595	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
290	231	170490	-180201.1413	944197.3170250766	39.46634483971274	-11.437345	28822.7713655925	4371365.205	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
291	231	170491	-179541.1413	944197.3170250766	39.46635718475154	-11.4350481	28823.827194218	4371361.13382531	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
292	231	170492	-178881.1413	944197.3170250766	39.4663694039874	-11.432711	28824.7800430668	4371357.06345633	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
293	231	170493	-178221.1413	944197.3170250766	39.466381650912915	-11.4303752	28825.920532682409	4371352.99135852	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
294	231	170494	-177561.1413	944197.3170250766	39.46639381620387	-11.428038	28826.91261365	4371349.923061173	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
295	231	170495	-176901.1413	944197.3170250766	39.46640595841194	-11.4257024	28827.912383545666	4371344.85125697	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
296	231	170496	-176241.1413	944197.3170250766	39.466418011656756	-11.4233659	28828.91529089331064	4371340.78343109	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
297	231	170497	-175581.1413	944197.3170250766	39.46643001638404	-11.4210295	28829.913141206534	4371336.713951702	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
298	231	170498	-174921.1413	944197.3170250766	39.46644206409818	-11.4186931	28830.91926253356	4371332.644678733	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
299	231	170499	-174261.1413	944197.3170250766	39.46645396621043	-11.4163566	28831.924242381182	4371328.576	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
300	231	170500	-173601.1413	944197.3170250766	39.46646580079419	-11.4140202	28832.93254474895	4371324.506758908	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
301	231	170501	-172941.1413	944197.3170250766	39.46647764593101	-11.4116815	28833.940515494	4371320.438112758	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
302	231	170502	-172281.1413	944197.3170250766	39.46648954548488	-11.4093473	28834.9475541684	4371316.369657473	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
303	231	170503	-171621.1413	944197.3170250766	39.46650127373069	-11.4070189	28835.94478523843	4371312.30144773	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
304	231	170504	-170961.1413	944197.3170250766	39.46651298777961	-11.4046744	28836.94931748	4371308.23465813	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
305	231	170505	-170301.1413	944197.3170250766	39.4665246669514	-11.402338	28837.94938483574	4371304.15661859	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
306	231	170506	-169641.1413	944197.3170250766	39.466536280477312	-11.4000105	28838.94982677397	4371300.08017496	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
307	231	170507	-168981.1413	944197.3170250766	39.46654785912614	-11.3976815	28839.94982677397	4371295.98017496	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
308	231	170508	-168321.1413	944197.3170250766	39.466558835311925	-11.3953287	28840.94982677397	4371291.88017496	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
309	231	170509	-167661.1413	944197.3170250766	39.46657088102347	-11.3929922	28841.947176120644	4371287.86946645	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
310	231	170510	-167001.1413	944197.3170250766	39.46658232427196	-11.3906558	28842.9433796347654	4371283.87903426	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
311	231	170511	-166341.1413	944197.3170250766	39.46659372	-11.3883193	28843.94544853313729	4371279.763147363	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
312	231	170512	-165681.1413	944197.3170250766	39.46660570536854	-11.385929	28844.947810623605	4371275.6980027	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
313	231	170513	-165021.1413	944197.3170250766	39.4666163321657	-11.3836484	28845.94982677397	4371271.630662125	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
314	231	170514	-164361.1413	944197.3170250766	39.46662744593101	-11.38131	28846.94982677397	4371267.564123237	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
315	231	170515	-163701.1413	944197.3170250766	39.466638835311925	-11.378975	28847.949392221147	4371263.500912891	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
316	231	170516	-163041.1413	944197.3170250766	39.4666503505926	-11.3766371	28848.94982677397	4371259.433013805	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
317	231	170517	-162381.1413	944197.3170250766	39.4666616327297	-11.3743006	28849.9451134961542	4371255.369813985	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
318	231	170518	-161721.1413	944197.3170250766	39.466673245453054	-11.3719642	28850.94982677397	4371251.30105528	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
319	231	170519	-161061.1413	944197.3170250766	39.46668482849524	-11.3696277	28851.94982677397	4371247.23820975	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
320	231	170520	-160401.1413	944197.3170250766	39.466696427442305	-11.3673291	28852.9454771	4371243.17354324	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
321	231	170521	-159741.1413	944197.3170250766	39.46670802496968	-11.3650318	28853.94982677397	4371239.10864942	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
322	231	170522	-159081.1413	944197.3170250766	39.46671612283678	-11.3626184	28854.94982677397	4371235.04452702	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
323	231	170523	-158421.1413	944197.3170250766	39.4667269793483	-11.3602819	28855.94717373055	4371231.98071715	4586.7885475903563	329.43138083124	3175.023752	3167.34426251919	317.026920447386	123.0899548120519
324	231	170												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogs.ft	BRElevBothKrg.ft	SatHtKlogs.ft	SatHtBoth.ft
405	231	170605	-103401.1413	944197.3170250766	36.467463621409046	-111.688905	313442.576997332	4730898.4388156915	3253.812797398329	317.17250829	3022.549110068255	3017.810284024769	94.70171871480443	94.9405457686107
406	231	170606	-103641.1413	944197.3170250766	36.467470137175673	-111.166354	313443.6077260174	4730894.392076094	3250.345895075464	3115.6146335334065	3021.323292	3015.8600727681653	94.7543188061653	94.95456909540365
407	231	170607	-103261.1413	944197.3170250766	36.4674733696622	-111.149884	313444.5367259384	4730890.345447103	3247.306697870549	3113.92206365778	3020.1688429152381	3019.6020915518235	94.696020115118235	94.902600115118235
408	231	170608	-103221.1413	944197.3170250766	36.46748481704654	-111.161681	313445.6686371042	4730886.2902251173	3244.692283137374	3112.32367	3019.2019263159536	3016.4273349696194	94.7213477681644	94.91869305775072
409	231	170609	-101661.1413	944197.3170250766	36.4674917198862	-111.159345	313442.668818905	4730882.2531062505	3242.078706841204	3110.666448703815	3018.535769238906	3007.652305288156	94.7316974092455	94.93016434179995
410	231	170610	-101001.1413	944197.3170250766	36.46749872179552	-111.157008	313447.7282609131	4730878.2071991713	3235.465307852507	3109.00668689268	3017.957842948107	3006.94912574116224	94.702305927890154	94.92305927890154
411	231	170611	-100341.1413	944197.3170250766	36.46750466467164	-111.1546715	313448.7586402284	4730874.162	3236.4327414945423	3107.3359822428262	3017.585038922014	3007.1624908302182	94.68279352	94.90279352
412	231	170612	-99681.1413	944197.3170250766	36.46751206403596	-111.152335	313448.78827914456	4730870.11601619	3232.980994946254	3105.65096963264	3017.3758136773426	3012.631196595935	94.6829318592125	94.93373490767035
413	231	170613	-99021.1413	944197.3170250766	36.46751924040755	-111.149884	313449.5367259384	4730890.345447103	3247.306697870549	3113.92206365778	3020.1688429152381	3019.6020915518235	94.696020115118235	94.902600115118235
414	231	170614	-98361.1413	944197.3170250766	36.46752598670555	-111.147619	313451.54701344057	4730882.02565417	3228.075750479675	3102.29483396555	3017.585038922014	3007.1624908302182	94.68279352	94.90279352
415	231	170615	-97701.1413	944197.3170250766	36.46753268380125	-111.145254	313452.8761069237	4730875.98078167	3223.14925807886273	3100.5953897886273	3016.32639447744103	3015.65494728487	94.626900431	94.840484060143023
416	231	170616	-97041.1413	944197.3170250766	36.46753935279986	-111.142989	313453.9051253759	4730853.96128289	3220.744429614724	3008.884952356952	3014.3820791639387	3014.606350431237	94.5064160775968	94.84262189045808
417	231	170617	-96381.1413	944197.3170250766	36.467545666585	-111.140624	313455.9386103434	4730849.892	3218.339367	3007.169767	3014.237063534063	3012.6510220438	94.4753076479968	94.81269093952414
418	231	170618	-95721.1413	944197.3170250766	36.4675523538451	-111.138159	313456.964216738	4730841.847436934	3215.943723177996	3005.482722137796	3010.70867306915	3010.72868590548	94.7295925808478	94.861198365874134
419	231	170619	-95061.1413	944197.3170250766	36.46755905897384	-111.135974	313456.9929026867	4730845.80340428	3213.056968682543	3003.692994103991	3006.88625016859	3008.62247205153644	94.64742082203246	94.80771899530271
420	231	170620	-94401.1413	944197.3170250766	36.46756553742783	-111.133629	313458.018890913	4730837.759878027	3209.706131	3001.933370547198	3006.94440226269	3006.536174506512	94.6889771752025	94.85719004067659
421	231	170621	-93741.1413	944197.3170250766	36.46757197074655	-111.131304	313460.11665947015915	4730833.71560271	3206.353538520578	3000.16780838996	3004.943838	3004.1710208566	94.65128407265664	94.820476875423372
422	231	170622	-93081.1413	944197.3170250766	36.4675783892972	-111.128969	313460.074844911	4730829.27551204	3203.004576435655	3008.383479193643	3003.224769036457	3002.647685418812	94.6178157151869	94.85096147
423	231	170623	-92421.1413	944197.3170250766	36.4675840197758	-111.1266334	313461.1025300961	4730825.629353984	3198.904132768909	3006.60336022282	3002.0651027988156	2999.6878822019876	94.58323320341264	94.819245380020466
424	231	170624	-91761.1413	944197.3170250766	36.4675909098758	-111.1242969	313462.1290833765	4730821.586352704	3194.054023	3004.812346677818	3002.1362476895306	2996.941402583435	94.56270880828732	94.87890409
425	231	170625	-91101.1413	944197.3170250766	36.4675972266713	-111.1219603	313463.1572851401	4730813.54552293	3189.203129279349	3003.02827927952	3003.801605142905	2995.743263716861	94.72082897	94.77290241109138
426	231	170626	-90441.1413	944197.3170250766	36.4676034030794	-111.1196238	313464.1848405915	4730810.509934428	3184.353930176405	3001.225234989603	3006.11330691659	2996.1412416375105	94.715625820248	94.8012818355827
427	231	170627	-89781.1413	944197.3170250766	36.4676095281592	-111.117326	313465.2135339515	4730807.46981558	3177.65927	3000.415271037577	3007.28496825174275	3007.1624908302182	94.696020115118235	94.902600115118235
428	231	170628	-89121.1413	944197.3170250766	36.46761574	-111.114508	313466.231217398	4730805.41645579	3169.202505195627	3007.66502154111	3007.833205863344	3000.210691838765	94.6830814702763	94.774542097
429	231	170629	-88461.1413	944197.3170250766	36.467621812421136	-111.1126143	313467.2647111271	4730810.72585656935	3075.892186850616	3006.564232734979	3000.364772884065	3002.3756958052835	94.75227123966014	94.827123966014
430	231	170630	-87801.1413	944197.3170250766	36.467627893521015	-111.1102778	313468.291233847	4730809.23213847	3152.249920700189	3004.17290586053	3005.102614655634	2999.3052942931493	94.620529121	94.7816533747615
431	231	170631	-87141.1413	944197.3170250766	36.46763382148539	-111.1079413	313469.3173587383	4730797.391231141	3145.173530440327	3002.7302517692286	3003.768554546554	2998.360931110826	94.604169431457325	94.700929685840499
432	231	170632	-86481.1413	944197.3170250766	36.46763975814284	-111.105648	313470.341612529	4730789.2499346129	3138.500425689905	3000.619441544627	3002.206318195663	2997.447220053383	94.6141233529004	94.719222149
433	231	170633	-85821.1413	944197.3170250766	36.46764580007068	-111.103382	313471.3692972725	4730785.308781558	3133.82731738204	3000.67829664573	3000.67829664573	2996.478657343322	94.6276376429002	94.72657378104824
434	231	170634	-85161.1413	944197.3170250766	36.46765114653545	-111.101167	313472.3987789817	4730782.16978258	3127.160951886217	3000.160951886217	3000.160951886217	2995.743263716861	94.6141233529004	94.719222149
435	231	170635	-84501.1413	944197.3170250766	36.46765729787634	-111.098952	313473.420525155	4730777.12163345	3128.93103995314	3005.3430950340	2997.9855263670456	2994.942594755633	94.6090438255905	94.7045193619
436	231	170636	-83841.1413	944197.3170250766	36.46766305427478	-111.0962587	313474.4459	4730773.0866708	3123.31339374841	3003.6612882300487	2996.90520971609	2994.304226840076	94.675915847578	94.6921612892714
437	231	170637	-83181.1413	944197.3170250766	36.467668765426055	-111.0939222	313475.4701056291	4730769.04632702	3123.3448857534168	3001.963254	2995.98622226357	2994.97117131089	94.65963192226537	94.68454291742075
438	231	170638	-82521.1413	944197.3170250766	36.46767443	-111.091857	313476.490564639	4730765.06297272	3105.555778154964	3000.21909474752	2995.120584765681	2993.5974017386077	94.6093746871402	94.6640818734987
439	231	170639	-81861.1413	944197.3170250766	36.46768005222195	-111.0892491	313477.5200805077	4730760.96642297	3105.843373	3008.5125651872195	2994.1039879425193	2993.296344780258	94.61771724470015	94.652961304086135
440	231	170640	-81201.1413	944197.3170250766	36.4676856906955	-111.086718	313478.545216215	4730756.745216215	3104.763113436344	2997.9431126770672	2992.83113436344	2992.83113436344	94.61771724470015	94.652961304086135
441	231	170641	-80541.1413	944197.3170250766	36.46769115867535	-111.084571	313479.5700025458	4730752.887	3103.7101989229663	3005.5113582537	2990.6182373045962	2990.6200101969745	94.6089165747046	94.648513306566264
442	231	170642	-79881.1413	944197.3170250766	36.46769664414894	-111.0822396	313480.5943010515	4730748.480107659	3113.636271828997	3003.483528691797	2987.6137619093124	2987.6137619093124	94.6359006406742	94.65835330536047
443	231	170643	-79221.1413	944197.3170250766	36.46770220448674	-111.0799031	313481.6184264737	4730744.809017013	3105.570669165	3001.739081880875	2984.2085248608128	2984.372118896047	94.6753835084772	94.6711829048272
444	231	170644	-78561.1413	944197.3170250766	36.4677078698904	-111.0775623	313482.6427361807	4730740.71073841	3104.33456844913	3001.3546844913	2980.548667232926	2980.548667232926	94.6587972330673	94.6587972330673
445	231	170645	-77901.1413	944197.3170250766	36.467712829755456	-111.07523	313483.66614817595	4730733.73152881	3103.1167039318	3000.75844884544	2979.6080428516884	2979.6080428516884	94.6587972330673	94.6587972330673
446	231	170646	-77241.1413	944197.3170250766	36.46771813486365	-111.072835	313484.6897485381	4730732.69135313	3103.3399720104056	3000.94893483808	2979.245642168416	2979.245642168416	94.6587972330673	94.6587972330673
447	231	170647	-76581.1413	944197.3170250766	36.46772369448165	-111.070387	313485.713749047	4730730.43602527	3103.568271780864	2998.1378711328	2978.1378711328	2978.1378711328	94.6587972330673	94.6587972330673
448	231	170648	-75921.1413	944197.3170250766	36.4677286914112	-111.068205	313486.742674798	4730724.61692815	3103.568271780864	2998.1378711328	2978.1378711328	2978.1378711328	94.6587972330673	94.6587972330673
449	231	170649	-75261.1413	944197.3170250766	36.4677337866516	-								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLogKrg.ft	SatThBothKrg.ft
531	231	170731	-121.141133	944197.3170250766	-39.468004082167255	-100.8742885	338771.08104768745	4730390.186597697	3002.8524304529792	2914.9354106152714	2833.099032	2836.4181760171007	81.8363784203123	78.51723259817072
532	231	170732	-20.48111433	944197.3170250766	-39.468005505402895	-100.8718919	338972.0904352604	4730386.166027511	2998.358873	2913.3068485173074	2829.0404505721874	2834.2653830031019	78.58234627099897	78.58234627099897
533	231	170733	-19.82114133	944197.3170250766	-39.4680061499095	-100.8696154	339173.096663026	4730382.158564151	2911.880899	2909.565211897268	2829.45996892035	2831.17289720573358	78.5210075397111	78.5210075397111
534	231	170734	-19.16114133	944197.3170250766	-39.4680082164696	-100.872789	339374.1076126236	4730375.125059883	2902.3717561814114	2910.054042153336	2832.8030349349365	2844.273193	77.251074839813	65.78174978309471
535	231	170735	-18.50114133	944197.3170250766	-39.468009504298074	-100.8694423	339575.1176602828	4730374.105509992	2900.8983041818433	2908.4300824209186	2831.313660931466	2860.570604112947	71.11718108945252	57.76077790791715
536	231	170736	-17.84114133	944197.3170250766	-39.46801074699026	-100.862058	339776.12642413294	4730370.0858181435	2901.444953712264	2905.33625375895237	2842.3317718744356	2859.3265257508162	47.48081182076118	47.48081182076118
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538	231	170738	-16.52114133	944197.3170250766	-39.4680130965968	-100.8579327	340178.1434894724	4730362.046965694	2902.538257723036	2903.560935214106	2833.1757617369	2867.6511541516151	50.2425169	35.9083436794909
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540	231	170740	-15.20114133	944197.3170250766	-39.4680152663966	-100.8535295	340580.1599252471	4730354.089223363	2897.569941448397	2900.31227798077	2865.5211403513955	2865.857231980233	34.7510744777627	34.45501409073859
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546	231	170746	-11.24114133	944197.3170250766	-39.4680209001046	-100.8392044	341786.2054011036	4730329.899791454	2895.70994533802	2890.85236949028	2845.87974880915	2847.0910391634707	44.72621061211064	44.72621061211064
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554	231	170754	-5.96114137	944197.3170250766	-39.468025397150005	-100.820581	343394.2578743184	4730297.75678968	2898.573156863396	2877.9641317520473	2832.774574425657	2834.01682759045	45.1895573239006	43.947248992740514
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559	231	170759	-2.66114137	944197.3170250766	-39.468027387152015	-100.8089187	344399.3865951947	4730277.988918396	2901.1052408981947	2870.6817834647815	2823.992171471554	2826.9384807169528	47.79807198322708	47.79807198322708
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ix	iy	ic	X.0	Y.0	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevLogKrg.f	BRElevLogKrg.f	SatHtLogKrg.f	SatHtLogKrg.f	
657	231	100857	6218.85867307335	94.1917	31.70250766	-94.68729796245329	-100.579885	46097.0999426871	4369885.223373961	2786.265047801864	2697.034028599207	2622.900214262316	2624.210092149387	71.43134336974865	72.82339644990361
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661	231	100861	64658.85867307335	94.1917	31.70250766	-94.68710635937049	-100.5705389	36490.1643904997	4369874.264249692	2786.374104835321	2690.068955634194	2619.5853967447625	2618.832663796515	70.4684988185668	70.23302918376794
662	231	100862	65318.85867307335	94.1917	31.70250766	-94.6870619	-100.5682024	365102.0552	4369865.253	2788.336227142333	2618.069833508106	2617.462004612604	2617.462004612604	70.87424118762042	70.87424118762042
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664	231	100864	66638.85867307335	94.1917	31.70250766	-94.6871971618216	-100.563293	365504.0364	4369857.2659123475	2780.1771681466305	2686.9703096957766	2611.1643201729903	2607.34272118304	71.74582214	71.74582214
665	231	100865	67298.85867307335	94.1917	31.70250766	-94.6779252871443	-100.561193	365705.02619006	4369853.2728181697	2783.1795758743287	2687.455026672785	2614.8469691719496	2618.9398553953892	72.12717496571416	72.12717496571416
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669	231	100869	69938.85867307335	94.1917	31.70250766	-94.6777785168574	-100.5518467	366508.9871	4369837.302530306	2790.1945211523975	2676.3495033367048	2604.566110683107	2602.0525564777218	71.74582214	71.74582214
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671	231	100871	71258.85867307335	94.1917	31.70250766	-94.677616025679	-100.5471737	366910.9645080876	4369829.318881063	2817.046003227304	2672.914632041207	2603.917054812444	2601.28670789598	70.8990730276249	72.63049311256318
672	231	100872	71918.85867307335	94.1917	31.70250766	-94.6775924343871	-100.5448371	367111.9550494223	4369825.326092014	2819.20159073334	2671.17379216677	2602.000661583626	2600.38052973992	68.5737200841427	70.79326719278482
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675	231	100875	73898.85867307335	94.1917	31.70250766	-94.6774436016765	-100.5378276	367714.9237845016	4369813.35206457	2825.9490021411445	2665.73431235522	2599.04868138078	2597.01690423227	66.2274989744387	68.5737200841427
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682	231	100882	78518.85867307335	94.1917	31.70250766	-94.6770782	-100.5214719	369121.84406423895	4369785.42173474	2832.8714872726804	2652.381232534714	2590.925183904973	2588.347792100764	61.97672101035291	61.97672101035291
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684	231	100884	79838.85867307335	94.1917	31.70250766	-94.676969403501	-100.5176989	369523.82015423896	43697747.44312789	2837.241249995953	2648.537315259783	2589.244103065224	2586.8412906070557	59.29721095326674	61.69024652777374
685	231	100885	80498.85867307335	94.1917	31.70250766	-94.67691511453204	-100.5161629	369734.7448187192	4369773.5148187192	2840.26672223384	2646.92672223384	2587.46911245748	2584.161783213434	59.1607909781832	62.46896783387983
686	231	100886	81158.85867307335	94.1917	31.70250766	-94.676878637357	-100.514278	369945.7577374	4369769.405	2843.295187322204	2644.961958980168	2586.941958980168	2585.154742050987	60.3447254607394	60.3447254607394
687	231	100887	81818.85867307335	94.1917	31.70250766	-94.676804188278	-100.5097893	370126.7833513792	4369764.878344005	2846.3103854408964	2580.88182418471284	2581.05209293541	2581.05209293541	61.97672101035291	61.97672101035291
688	231	100888	82478.85867307335	94.1917	31.70250766	-94.6767479284236	-100.5074528	370327.770843483	4369761.48849257	2849.310749466123	2579.4198216406299	2577.606964272056	2577.606964272056	63.6603547959223	63.6603547959223
689	231	100889	83138.85867307335	94.1917	31.70250766	-94.6766912977008	-100.5051163	370528.758193297	4369757.500923981	2851.665760707237	2639.02034	2577.9483135995206	2581.6245677409205	61.97672101035291	61.97672101035291
690	231	100890	83798.85867307335	94.1917	31.70250766	-94.67663421510366	-100.5027798	370729.7448041105	4369753.51296291	2851.998116478486	2637.142549672547	2577.7618182011	2584.666138312071	59.3663149056358	59.3663149056358
691	231	100891	84458.85867307335	94.1917	31.70250766	-94.6765768815151	-100.5004433	370930.3235884487	4369749.54854648	2858.55146281955	2635.2691952470105	2576.432489417303	2585.964454277243	59.3663149056358	59.3663149056358
692	231	100892	85118.85867307335	94.1917	31.70250766	-94.676518693404	-100.4981697	371131.719529897	4369745.53712402	2858.317598978443	2633.40527655292	2576.432489417303	2585.964454277243	61.97672101035291	61.97672101035291
693	231	100893	85778.85867307335	94.1917	31.70250766	-94.6764652591804	-100.4957072	371323.7063867676	4369741.54971095	2857.515931881935	2635.409390969445	2576.432489417303	2585.964454277243	61.97672101035291	61.97672101035291
694	231	100894	86438.85867307335	94.1917	31.70250766	-94.67640137116256	-100.4934337	371533.6931008885	4369737.56267535	2858.49673993247	2629.70858472015	2563.69235115792	2572.88324249273685	60.01802356227276	60.01802356227276
695	231	100895	87098.85867307335	94.1917	31.70250766	-94.6763420317893	-100.4910972	371734.67974741	4369733.75749707	2857.283877086696	2558.3643436661994	2562.63442381594	2561.94840247033	62.46896783387983	62.46896783387983
696	231	100896	87758.85867307335	94.1917	31.70250766	-94.67628224106114	-100.4887607	371935.666219243	4369729.589037608	2859.317177858555	2556.0698846250516	2555.40189247456619	2557.917296843720	60.667921496519	60.667921496519
697	231	100897	88418.85867307335	94.1917	31.70250766	-94.6762219988798	-100.4864247	372136.65261375846	4369725.603	2860.039174928555	2554.207118185296	2551.905461681875	2556.94954656234	61.97672101035291	61.97672101035291
698	231	100898	89078.85867307335	94.1917	31.70250766	-94.6761613055412	-100.4840477	372337.638691456	4369721.616	2860.762817794603	2552.4885049451833	2547.624478654407	2552.333767630271	70.8640729417618	70.8640729417618
699	231	100899	89738.85867307335	94.1917	31.70250766	-94.676107891481	-100.481693	372538.629135687	4369717.50135867	2861.47					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
42	232	170983	-343221.1413	944857.3170205766	39.46373702817572	-102.0044818	206659.9743864285	4372578.41512687	3822.42875654907722	3560.121804270001	3549.989529223411	3551.6193015382887	10.13227504659017	98.50227773171241
44	232	170984	-342561.1413	944857.3170205766	39.46370476480796	-102.0214156	20681.0834657465	4372574.292227809	3828.1899941370666	3548.033493995305	3548.033493995305	3548.033493995305	10.1367785172443936	98.50227773171241
45	232	170985	-341901.1413	944857.3170205766	39.46369326969611	-102.0086424	20682.19319101228	4372576.1698140915	3825.817118976153	3548.02009373447	3548.01989138848526	3548.01989138848526	10.1155148946518	98.50227773171241
46	232	170986	-341241.1413	944857.3170205766	39.46367023711362	-102.0074732	20683.30265583023	4372566.047166492	3825.727318927463	3545.727318927463	3545.727318927463	3545.727318927463	10.1467854004825	98.50604335
47	232	170987	-340581.1413	944857.3170205766	39.46363055064129	-102.005137	20684.41186973389	4372561.924300909	3820.50696926703	3544.247807711014	3542.215044400977	3559.4012623036874	10.03375623701422	98.48465636750404
48	232	170988	-339921.1413	944857.3170205766	39.46353818443056	-102.0028008	20685.52026491067	4372560.002400433	3819.343149812016	3542.760813082043	3540.1176621409527	3554.291063930462	10.04235094109043	98.48465636750404
49	232	170989	-339261.1413	944857.3170205766	39.4636370041118884	-102.0004466	20686.62962423873	4372553.681090356	3818.176519345004	3541.265865	3537.96060273867	3545.2709620738174	10.30500315808331	95.9943015813273
50	232	170990	-338601.1413	944857.3170205766	39.46360021866874	-101.9981283	20687.7379672957	437249.559487173	3817.06536877993	3539.7214045563	3533.73707	3538.367115071993	10.0252440439262	10.30500315813273
51	232	170991	-337941.1413	944857.3170205766	39.4635238190254	-101.9959121	20688.84309816584	437250.1698140915	3817.218416941663	3538.2069373447	3548.01989138848526	3548.01989138848526	10.0881467978164	98.50604335
52	232	170992	-337281.1413	944857.3170205766	39.46346436393029	-101.9934459	20689.9540819523	437254.13914058	3816.80195073691	3538.727030071213	3531.1140934771925	3543.154353512387	10.61237124525	95.957625
53	232	170993	-336621.1413	944857.3170205766	39.46339848056193	-101.9911197	20691.0617671803	437257.139544114	3820.3855212130356	3538.139429156265	3528.67966755935	3547.1162813313	10.61485163691168	98.4826238
54	232	170994	-335961.1413	944857.3170205766	39.46339247760743	-101.9887835	20692.1691093608	437253.075185236	3821.9690733254703	3533.05187537121	3526.239745226367	3549.077326791636	10.471213014875393	84.61421426995753
55	232	170995	-335301.1413	944857.3170205766	39.4640154295269	-101.9864473	20693.2763839258	437258.954637415	3823.00506294256435	3532.105076366433	3523.869306900254	3579.484093970218	10.8236116949283	52.6373270090486
56	232	170996	-334641.1413	944857.3170205766	39.4640038319696	-101.984111	20694.342733709012	4372524.83400643	3822.480789432554	3530.5663904183817	3521.81918588319	3585.50720381287	10.873720453506257	49.491865679044
57	232	170997	-333981.1413	944857.3170205766	39.46400187996425	-101.9817748	20695.4489330625	4372520.174174919	3823.960179661632	3529.04067986643	3520.321728805831	3579.3493658102298	10.88259910001179	49.6591330463922
58	232	170998	-333321.1413	944857.3170205766	39.4640047452084	-101.9794386	20696.596390071	4372516.984260233	3824.440700446376	3529.451198004118	3519.415302533746	3586.921930038115	10.03480275014363	40.528520903066
59	232	170999	-332661.1413	944857.3170205766	39.4640078594084	-101.9771023	20697.70248117917	4372518.45566755	3825.751842379844	3525.89283234161	3518.857051864182	3567.829386599719	10.0357683699719	38.0634949802192
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61	232	171001	-331341.1413	944857.3170205766	39.4641529338957	-101.972429	20699.9143047945	4372504.23573227	3825.0431363905814	3527.7693968417366	3518.243241523652	3557.59207489951	10.045261531808442	65.2596763520853
62	232	171002	-330681.1413	944857.3170205766	39.464174829424195	-101.9700937	20700.9447210193	437250.11671721	3825.18815296679	3527.335306477	3521.218665123952	3566.547406320355	10.0468823652456	54.5546259984123
63	232	171003	-330021.1413	944857.3170205766	39.46419704322255	-101.9677574	20702.1662599088	437249.9978216	3826.176820784474	3519.6342751541897	3518.385742213714	3580.3065407419994	10.2485329041799	39.3277300619032
64	232	171004	-329361.1413	944857.3170205766	39.464219966113724	-101.9654212	20703.228542038	4372491.879530508	3824.587562104856	3518.06241009836	3518.06241009836	3581.068745011925	10.367702	36.993646464094
65	232	171005	-328701.1413	944857.3170205766	39.464239618683	-101.9630948	20704.3509616584	4372487.60635844	3824.71032187478108	3517.93248229031	3517.93248229031	3582.048687870884	10.688259913344322	36.993646464094
66	232	171006	-328041.1413	944857.3170205766	39.4642492229672	-101.9607487	20705.4384675783	4372483.624359252	3821.34789241706	3514.91225478944	3520.31100985492	3582.048687870884	10.79133312071	38.6597140810482
67	232	171007	-327381.1413	944857.3170205766	39.4642632868813	-101.9584125	20706.54259684827	4372479.54253388	3821.830239256488	3513.93128795848	3512.608203	3571.440585155705	10.7275931147822	41.8947869373428
68	232	171008	-326721.1413	944857.3170205766	39.4643096797279	-101.9560762	20707.64647418074	4372475.40671892	3821.9312561343897	3511.76097381956	3523.267296168163	3555.3610337291934	10.8493683673758	56.3999461027624
69	232	171009	-326061.1413	944857.3170205766	39.4643320120615	-101.95374	20708.750997813	4372471.28912515	3825.994987020245	3510.910264372845	3525.2719887572684	3549.03972801258	10.8493683673758	55.78176166041
70	232	171010	-325401.1413	944857.3170205766	39.46435429314162	-101.9514037	20709.86347336092	4372467.171742377	3826.071410853462	3508.63323640729	3527.319290724897	3552.4331943298404	10.8493683673758	55.0110380638965
71	232	171011	-324741.1413	944857.3170205766	39.46437923051373	-101.9489675	20710.9689616858	4372462.204272153	3826.16218728335	3509.26172409215	3526.198712636567	3572.0090400212	10.8493683673758	55.0110380638965
72	232	171012	-324081.1413	944857.3170205766	39.4644032543462	-101.9465712	20712.0689459268	4372458.937609462	3826.25437102931	3508.70333671005	3527.3244797354391	3552.03938966004	10.79133312071	38.6597140810482
73	232	171013	-323421.1413	944857.3170205766	39.46442084744305	-101.944395	20713.1620980046	4372454.82058967	3826.78290331638	3507.403589034665	3523.0724304500526	3583.694381912007	10.8493683673758	55.0110380638965
74	232	171014	-322761.1413	944857.3170205766	39.46444294196715	-101.9420587	20714.268545000757	4372447.304318602	3827.4486113604426	3506.159142836278	3517.448427145374	3586.196272724646	10.8493683673758	55.0110380638965
75	232	171015	-322101.1413	944857.3170205766	39.46446498135322	-101.9397225	20715.36687855014	4372446.58790484	3828.329855501262	3506.19325759812802	3511.902915801983	3586.4377603197972	10.0296015929997	106.49158
76	232	171016	-321441.1413	944857.3170205766	39.46448699561218	-101.9373862	20716.46964780326	4372441.87192379	3829.426632762564	3506.1701383751653	3506.637840626313	3500.300787	10.0296015929997	106.49158
77	232	171017	-320781.1413	944857.3170205766	39.464508954742057	-101.93505	20717.569710697174	4372435.35969881	3829.516210220946	3505.47499365138	3502.14359350635	3508.140251740124	10.8493683673758	90.34747389
78	232	171018	-320121.1413	944857.3170205766	39.464530811587	-101.9327137	20718.674961532612	4372434.240272153	3829.618218728335	3505.26172409215	3526.198712636567	3572.0090400212	10.8493683673758	90.34747389
79	232	171019	-319461.1413	944857.3170205766	39.46455273745597	-101.930375	20719.789897258805	4372430.125	3829.7115608512094	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
80	232	171020	-318801.1413	944857.3170205766	39.46457456137608	-101.9280412	20720.876520329	4372426.01	3829.7697762596	3505.79756292193	3489.20690905585	3587.937120641307	10.8493683673758	90.34747389
81	232	171021	-318141.1413	944857.3170205766	39.4645963399885	-101.925705	20721.8480319741	4372421.89445075	3829.86539999132	3504.5852693712	3584.5852693712	3584.5852693712	10.8493683673758	90.34747389
82	232	171022	-317481.1413	944857.3170205766	39.464618073494286	-101.9233687	20722.905147816384	4372417.77998792	3829.96405528866	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
83	232	171023	-316821.1413	944857.3170205766	39.46463978186231	-101.9210234	20723.14647175276	4372413.66457768	3829.96405528866	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
84	232	171024	-316161.1413	944857.3170205766	39.46466140510286	-101.9186962	20724.24957169981	4372409.505327599	3829.96405528866	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
85	232	171025	-315501.1413	944857.3170205766	39.46468322543462	-101.9163984	20725.3546844315	4372405.34267153	3829.96405528866	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
86	232	171026	-314841.1413	944857.3170205766	39.46470455620154	-101.9140236	20726.45937169687	4372401.322299084	3829.96405528866	3504.9331506212994	3528.93176568498	3572.0090400212	10.8493683673758	90.34747389
87	232	171027	-314181.1413	944857.3170205766	39.4647260640596	-101.9118674	20727.5624834087	4372397.20862						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatHtKgr.f	SatHtKgr.f
169	232	11109	-260601.1413	944857.3170250766	39.46633613556779	-101.720109	265987.8770621401	4372600.594	3598.0150871785638	3666.59520208318223	3236.267208485237	3315.746168437362	140.32801187288533	150.8409519207063
170	232	11110	-259401.1413	944857.3170250766	39.46633887770245	-101.717798	265988.9652311543	4372056.497556063	3598.829801800404	3666.354043083437	3234.055337111449	3316.8181945892685	141.33197019689806	148.7035801537866
171	232	11111	-258761.1413	944857.3170250766	39.466371614706354	-101.716022	266000.3533534193	4372027.829178403	3598.58519334342904	3664.191105833327	3231.516248485893	3310.119304124652	142.61468924828377	150.4075520817175
172	232	11112	-258081.1413	944857.3170250766	39.46638926579499	-101.7137096	26601.11153117457	4372058.305309984	3597.014621570322	3663.012034532132	3313.759468386715	3318.354532719745	144.25256597886346	154.1765810306308
173	232	11113	-257421.1413	944857.3170250766	39.466406943321876	-101.7107635	266082.1922725387	4372044.2098427171	3596.4329302796174	3661.847329340557	3315.3385907784193	3310.1349697227765	146.30873658213748	151.172396170771
174	232	11114	-256761.1413	944857.3170250766	39.466424404933385	-101.7084271	267003.2710618899	4372043.1154671361	3593.853380217414	3659.687829505173	3312.42116056167	3311.526122477004	148.2865669	149.17064607301114
175	232	11115	-256101.1413	944857.3170250766	39.46644203411406	-101.7060907	267204.394712695	4372030.91092454	3592.798316	3599.560336765806	3310.1352693524086	3308.354325148159	149.42512434217197	151.2060858282138
176	232	11116	-255441.1413	944857.3170250766	39.46645952276384	-101.7037453	267405.4270509412	4372031.619233037	3592.269134963306	3458.43145939398	3308.0226171931245	3305.5160607976513	151.4526880074374	152.920861364687
177	232	11117	-254781.1413	944857.3170250766	39.466476967892686	-101.7014178	268606.500701108	4372027.829178403	3591.740011815957	3457.330040503891	3305.900241782816	3304.336802897434	151.42976211645647	152.95392211645647
178	232	11118	-254121.1413	944857.3170250766	39.46649437007059	-101.6990816	267807.582121977	4372023.75	3591.210585889297	3456.235907191612	3304.139272234675	3304.139272234675	152.09625944485	152.86627114155636
179	232	11119	-253461.1413	944857.3170250766	39.466511726027059	-101.6967452	268008.6593137542	4372019.614010506	3590.452217118504	3455.155689749605	3302.57538635805	3302.751930742178	152.5800338105246	152.4037880470748
180	232	11120	-252801.1413	944857.3170250766	39.46652903685337	-101.694408	268209.7362766438	4372015.545883643	3589.465596705473	3454.089083658300	3301.837744454346	3303.341726485493	152.251302039541	150.74735717286103
181	232	11121	-252141.1413	944857.3170250766	39.46654630254822	-101.6920724	268410.831085323	4372011.451872379	3588.4782470965413	3453.034909529269	3302.09212740011	3303.2647680705603	150.942631	149.7403265870892
182	232	11122	-251481.1413	944857.3170250766	39.46656352311192	-101.689736	268611.8895165684	4372007.358017256	3587.9110347	3451.98406051014	3302.131876400063	3302.89543	149.582942500884	149.0894309246142
183	232	11123	-250821.1413	944857.3170250766	39.46658089548526	-101.6873996	268812.86957945059	4372003.264	3585.7814845118965	3450.150159197517	3296.150158960735	3295.214677994087	154.55144460536922	155.007329256846
184	232	11124	-250161.1413	944857.3170250766	39.46660782884595	-101.685032	269014.0418434489	4371999.171094943	3583.347683181733	3449.1374672165175	3293.389034938562	3291.06409398542	155.7481622779554	158.073387179754
185	232	11125	-249501.1413	944857.3170250766	39.46661491	-101.6827269	269215.1176649043	4371995.078	3580.914281850529	3447.578010318813	3291.4898665297565	3288.1730084615883	156.08814378907482	159.450018574295
186	232	11126	-248841.1413	944857.3170250766	39.4666319540523	-101.6803905	269416.1932584836	4371994.906108	3578.854025521855	3446.58480554564	3290.209645762563	3285.840354991972	156.252406841968	160.12693011501212
187	232	11127	-248181.1413	944857.3170250766	39.4666484886301	-101.6780541	269617.268625328	4371986.9227618	3576.938136929547	3444.503540488454	3289.5828346045805	3284.564951213613	154.9207058838727	159.9385892744052
188	232	11128	-247521.1413	944857.3170250766	39.4666659	-101.6757177	269818.3437645311	4371982.79697231	3573.2820818039158	3442.989554157021	3289.096113795484	3280.908028294305	155.906125862603	158.90652862603
189	232	11129	-246861.1413	944857.3170250766	39.46668280336487	-101.673813	270019.418666933	4371978.707	3570.627347686908	3441.490946467235	3288.763338	3287.122268487	157.66972384569635	157.66972384569635
190	232	11130	-246201.1413	944857.3170250766	39.4666993528964	-101.6710448	270220.439376033	4371974.61528736	3567.9726177306206	3440.0746364055	3288.466036030387	3283.38717699738	151.5382476366913	156.6027836341666
191	232	11131	-245541.1413	944857.3170250766	39.46671641581462	-101.6684801	270428.5670216212	4371970.3216812	3565.1169643686861	3439.264310969314	3284.254108686494	3280.595681771083	147.131321363396	137.6275215819085
192	232	11132	-244881.1413	944857.3170250766	39.466733246531895	-101.6663721	270622.6405305045	4371966.431615656	3561.2548701755204	3437.093544105745	3282.6290420611576	3283.417800511477	149.4654020555672	152.976740555974
193	232	11133	-244221.1413	944857.3170250766	39.46675006751456	-101.6640357	270823.7160591371	4371962.304126585	3557.661282	3435.661715941545	3281.08042822358	3283.49393134177	156.8512433766832	152.6376874899776
194	232	11134	-243561.1413	944857.3170250766	39.46676664963953	-101.6616993	271024.7898392154	4371958.24846663	3554.067604472339	3434.25454911224154	3286.4705549776622	3283.593368	147.7493614475316	150.652121752654
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196	232	11136	-242241.1413	944857.3170250766	39.46679987221095	-101.6570265	271426.9367221762	4371950.06816963	3544.931324488597	3431.954762838418	3285.0227468797257	3283.38888413936	146.43467907462214	148.0687446221174
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198	232	11138	-240921.1413	944857.3170250766	39.46683291427635	-101.652537	271829.0827035805	4371941.88582147	3535.290014651114	3428.72409202247	3283.297703355697	3283.174767386248	145.6234949	145.731681478564
199	232	11139	-240261.1413	944857.3170250766	39.466849367606514	-101.6500173	272030.15535671345	4371937.79556791	3532.2455930784163	3427.372823309076	3282.960516000706	3282.97377927915	144.78007724636395	144.2048483115536
200	232	11140	-239601.1413	944857.3170250766	39.46686577580505	-101.6476809	272231.2277850737	4371934.70577047	3530.944488023313	3426.405972360872	3282.2490858075396	3283.05357818595	143.7965838532322	149.239542744027
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202	232	11142	-238281.1413	944857.3170250766	39.46689845681503	-101.6430081	272633.370268255	4371925.52616478	3524.396427970746	3423.40471921914	3281.086149284353	3282.841034544845	143.3242699347895	140.75373670692
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204	232	11144	-236961.1413	944857.3170250766	39.4669295722982	-101.6383352	273035.5154548047	4371917.34759712	3515.342692910368	3419.264310969314	3279.5949681731083	3281.086149284353	141.731321363396	137.6275215819085
205	232	11145	-236301.1413	944857.3170250766	39.46694713892645	-101.6359988	273236.586624489	4371913.258827246	3512.035689203325	3417.91593398836	3278.575103159836	3279.567923846584	141.71988877040092	140.0270217077171
206	232	11146	-235641.1413	944857.3170250766	39.46696327723726	-101.6336264	273437.6577460716	4371909.169667452	3509.744645450237	3416.352633403213	3276.095139807517	3277.51843121274	142.25012352308408	140.8263212804704
207	232	11147	-234981.1413	944857.3170250766	39.46697936951314	-101.631326	273638.7286721673	4371905.081317618	3499.347167725407	3415.16713087375	3275.9574611977073	3275.24311832963	141.846758886763	141.8693930434857
208	232	11148	-234321.1413	944857.3170250766	39.466995416657134	-101.6289896	273839.7904480506	4371900.92977739	3496.83903764138	3414.87679736638	3271.537410033917	3274.780148941942	144.3338097027213	143.1686507947138
209	232	11149	-233661.1413	944857.3170250766	39.46701141866918	-101.6266532	274040.869694571	4371896.904847811	3518.3303197916768	3414.655638198825	3269.138878327835	3270.394574817781	145.5174284905764	146.2481730210133
210	232	11150	-233001.1413	944857.3170250766	39.46702775549521	-101.6243168	274241.938651249	4371882.81628718	3527.82157818762	3413.443757513797	3268.456193184379	3268.456193184379	146.08085512366	145.0176063
211	232	11151	-232341.1413	944857.3170250766	39.46704395345459	-101.6219878	274448.932041606	4371878.07919061	3524.85126642623	3412.3304782044597	3267.530454271674	3267.530454271674	145.730454271674	145.730454271674
212	232	11152	-231681.1413	944857.3170250766	39.46705931971327	-101.619439	274644.0765801716	4371884.61717828	3540.05017595352	3411.03039388836	3262.51525250096	3262.51525250096	145.51004145598408	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKrg.f	BREVEbothKrg.f	SatHtLog.f	SatHtBoth.f
296	232	17235	-176901.1413	944857.3170250766	39.46821874992281	-101.425718	291332.1414654896	4371546.110255401	3449.328612668759	3268.150466880008	3147.577684561255	3140.115680681943	3102.5727803187528	128.03473839587463
296	232	17236	-176241.1413	944857.3170250766	39.46822082534719	-101.423318	291533.1659544717	4371542.400361938	3448.0195278766446	3266.8041823614926	3146.077787334054	3141.075435914798	3102.72834849608727	125.72738448664648
296	232	17237	-175581.1413	944857.3170250766	39.46814086955554	-101.421065	291734.21755758487	4371537.930677749	3446.710023869173	3265.453525754506	3146.7181695789529	3141.5988157898297	3102.73096715739206	121.58927389641162
296	232	17238	-174921.1413	944857.3170250766	39.46825440079293	-101.418705	291935.2689505736	4371530.91202831	3445.0130847272426	3143.6419600003426	3141.940359414798	3102.4619873475981	3102.126356241321364	122.16356241321364
296	232	17239	-174261.1413	944857.3170250766	39.468266780814275	-101.416372	292136.3201501549	4371529.819377177	3443.27780426289548	3142.9344452299933	3142.29503878338	3101.81989105955482	3102.4538750601006	120.4538750601006
300	232	17240	-173601.1413	944857.3170250766	39.46827867570123	-101.4140355	292337.37140140038	4371520.399767746	3440.3457094715745	3141.3951321717523	3142.342512030661	3142.373518363677	3101.05000411186201	119.021589834545
301	232	17241	-172941.1413	944857.3170250766	39.468290525453746	-101.411699	292538.4219259061	4371521.689036318	3437.4116385170539	3140.9830710939605	3141.5807655676084	3141.7438959709	3101.8459451760415	118.284538750601006
302	232	17242	-172281.1413	944857.3170250766	39.468300320071886	-101.409329	292739.47250798857	4371517.625395705	3434.4775675625297	3140.6819516379980	3141.0412641909013	3140.766063039623	3101.2863097288874	117.915142633557
302	232	17243	-171621.1413	944857.3170250766	39.46831408955554	-101.407026	292940.52268948195	4371513.656897018	3430.937007066237	3140.5625533921863	3140.578767561623	3138.56897816752	3101.0973695815408	117.53289738941162
304	232	17244	-170961.1413	944857.3170250766	39.4683258390472	-101.404689	293141.573015939	4371509.48471557	3425.15114	3140.57515518143	3138.1650145891524	3137.88159623637	3101.17541523177422	117.1541523177422
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306	232	17246	-169641.1413	944857.3170250766	39.468349097195654	-101.4000165	293543.6728024916	4371501.353	3416.761106526241	3140.562552934515	3137.0425978716185	3137.362315838966	3101.2245162176066	115.92017676597567
307	232	17247	-168981.1413	944857.3170250766	39.46836067145174	-101.39788	293744.7223686886	4371497.285344429	3408.878161945684	3140.5191513	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
308	232	17248	-168321.1413	944857.3170250766	39.46837220995623	-101.3953435	293945.77173232636	4371493.21761783	3405.558529324515	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
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311	232	17251	-166341.1413	944857.3170250766	39.46840505481676	-101.388334	294549.918609345	4371481.01708912	3393.332747434935	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
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313	232	17253	-165021.1413	944857.3170250766	39.46842902199223	-101.383661	294951.0158138004	4371472.8841861	3387.968659	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
314	232	17254	-164361.1413	944857.3170250766	39.46844046499542	-101.3813245	295152.0636719035	4371468.81084592	3385.2611801242036	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
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321	232	17261	-159741.1413	944857.3170250766	39.46851804224444	-101.364689	296559.39521092	4371440.36102081	3372.192487	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
322	232	17262	-159081.1413	944857.3170250766	39.468528944169286	-101.362324	296760.4416695843	4371436.297	3368.574114987906	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
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330	232	17270	-153801.1413	944857.3170250766	39.46861454371033	-101.343944	298368.8209682027	4371403.78453291	3359.4549073028	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
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333	232	17273	-151821.1413	944857.3170250766	39.4686458864061	-101.3369307	298971.940692577	4371391.60135018	3356.57917220041	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
334	232	17274	-151161.1413	944857.3170250766	39.46865625	-101.3345942	299172.98486102504	4371387.539411704	3355.692963436027	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
335	232	17275	-150501.1413	944857.3170250766	39.46866665	-101.3322577	299374.0288405425	4371383.474672498	3354.829813986882	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
336	232	17276	-149841.1413	944857.3170250766	39.46867683194961	-101.3299211	299575.072609483	4371379.4145835	3353.974070440966	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
337	232	17277	-149181.1413	944857.3170250766	39.468687465845985	-101.327586	299776.154467567	4371375.35483291	3353.06895525068	3140.562552934515	3136.45760084244	3136.45760084244	3101.1577490233615707	115.7749033615707
338	232	17278	-148521.1413	944857.3170250766	39.46869723661313	-101.3252481	299977.1596707579							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogskg.ft	BRLEvBothKrg.ft	SatHLogskg.ft	SatHBoth.ft
421	232	171361	-93741.14133	944857.3170250766	-39.46938481401927	-101.1331346	116663.09619391884	471034.949175124	3007.659174800776	3000.1044993898495	3002.473833813265	3000.8787167340363	67.6306955	89.2257296858652
422	232	171362	-93081.14133	944857.3170250766	-39.469381202366296	-101.1289781	116684.123811262638	471030.50588467	3002.85976	3008.331517659668	3000.235862705008	2999.386940648615	68.0956459195875	88.94455701
423	232	171363	-92421.14133	944857.3170250766	-39.4693754552677	-101.1266415	116705.1513	471026.86221079	3128.1871498416	3006.554549889383	3006.281180024137	2996.861350228817	68.935314637758	89.69171053233564
424	232	171364	-91761.14133	944857.3170250766	-39.4694034365071	-101.1243409	117266.17851539655	471012.0309361	3194.432525346034	3074.76532535153	2998.04095	2995.412501335025	68.860764465522	89.2623638
425	232	171365	-91101.14133	944857.3170250766	-39.46941006588104	-101.1219684	117467.20556859485	471018.77607103	3189.350483076356	3082.984158017929	3002.8270986783273	2996.783150606036	62.16705939	86.2110746589309
426	232	171366	-90441.14133	944857.3170250766	-39.46941630438889	-101.1196318	117668.23560534891	471014.73324491	3184.306435006176	3047.215456959357	3004.276666710979	2999.5143174705733	61.70024258783781	81.70024258783781
427	232	171367	-89781.14133	944857.3170250766	-39.469422447	-101.1172952	117869.259203204866	471010.69071729	3177.867414898997	3079.432894052677	3007.264381636304	2993.7548481	72.17391241637324	75.67891240727065
428	232	171368	-89121.14133	944857.3170250766	-39.4694285458068	-101.1149587	118070.2857917817	471006.68441983	3170.077653230047	3077.667794	3007.1837797632184	3004.9585731765783	64.0419448	72.70940106992157
429	232	171369	-88461.14133	944857.3170250766	-39.4694346697166	-101.1126221	118271.3125400224	471005.60831079	3162.18911554433	3065.805363	3006.1538949869383	3001.832477667306	70.4684936068917	73.6711053233564
430	232	171370	-87801.14133	944857.3170250766	-39.4694405242608	-101.1102855	118472.3380413498	470996.56439281	3154.3479767312083	3074.1501962441	3003.882538520314	3000.005567	74.056203427675	74.14480746115083
431	232	171371	-87141.14133	944857.3170250766	-39.4694466634381	-101.1079489	118673.3645605883	470994.522678993	3147.71935815441733	3002.438042118677	3003.217317407672	2996.269945234673	73.8385713650148	
432	232	171372	-86481.14133	944857.3170250766	-39.469452603324925	-101.1056124	118874.3901999742	470994.841175611	3142.2976925448516	3070.65850791256	3001.0747271579294	2997.514801	69.583292332678	73.1438498702859
433	232	171373	-85821.14133	944857.3170250766	-39.46945849516937	-101.1032758	119075.41586249046	470996.44	3136.877490251579	3068.92133870552	3000.1589249651217	2995.936853576735	73.6274089090346	73.6274089090346
434	232	171374	-85161.14133	944857.3170250766	-39.469464341877135	-101.1009392	119276.4413483492	470992.399	3131.45720558098904	3067.184266958904	2999.003623476228	2995.014611977967	68.1843821166524	72.1743007
435	232	171375	-84501.14133	944857.3170250766	-39.46947014344823	-101.0986027	119477.4667	470991.3579178179	3127.3779561650616	3065.495505676083	2998.008533518994	2994.236367	67.4888972419952	71.22318387413543
436	232	171376	-83841.14133	944857.3170250766	-39.4694759898263	-101.096261	119678.491790097	470979.4717240315	3123.6373321516273	3067.733231516273	2997.233188637617	2993.93152026756	65.0004282551154	69.8017645351695
437	232	171377	-83181.14133	944857.3170250766	-39.46948181118034	-101.0939295	119878.5167480179	470970.27679192	3138.901445313993	3062.021918474863	2998.589336437843	2993.931155267839	65.42357541	68.0817564
438	232	171378	-82521.14133	944857.3170250766	-39.46948772734131	-101.0915929	120080.54152528933	470962.32651656	3141.613899292006	3060.30082937046	2996.083592807854	2996.735097914946	64.17180173138369	65.99787701277455
439	232	171379	-81861.14133	944857.3170250766	-39.4694829883656	-101.0892564	120281.56613492855	470962.17645459	3130.505244043856	3059.962723098374	2995.583161785283	2994.57515888434	63.01361034555516	64.0492572209939
440	232	171380	-81201.14133	944857.3170250766	-39.4694948245312	-101.0869198	120482.5906551394	470964.156635702	3128.743768795033	3056.901194350249	2994.734294360267	2994.097332741115	62.16774914222516	63.0263206331766
441	232	171381	-80541.14133	944857.3170250766	-39.46950040500392	-101.0845832	120683.6148012947	470964.117007424	3125.920321263342	3055.251997375447	2992.464135761242	2992.39255428437	62.76919369780248	62.86004431271369
442	232	171382	-79881.14133	944857.3170250766	-39.469505490617945	-101.0822466	120884.6389001026	470950.07581992	3120.772407485174	3053.5413481441738	2988.028451765253	2991.25511511615	61.5289365903246	64.3919663201769
443	232	171383	-79221.14133	944857.3170250766	-39.4695110498435	-101.080016	121085.629235653	470941.7689912623	3117.7689912623	3051.7689912623	2987.0346912623	2990.346219399369	60.854217399369	64.3919663201769
444	232	171384	-78561.14133	944857.3170250766	-39.46952033	-101.077575	121286.685091784	470941.99360585	3128.067769791944	3050.23273365244	2985.8534523279	2981.549704052375	60.85219741	63.683022906038
445	232	171385	-77901.14133	944857.3170250766	-39.4695267663339	-101.0752369	121487.705919373	470941.965062428	3113.125561851083	3048.60549806198	2977.78268	2977.5562431588873	60.81281734810773	71.04925374272964
446	232	171386	-77241.14133	944857.3170250766	-39.4695308170631	-101.0729003	121688.733494015	470933.912792091	3114.182346727196	3046.996758264548	2973.50970103317917	2973.565423093008	73.0805663235508	73.431337154001
447	232	171387	-76581.14133	944857.3170250766	-39.46953621463638	-101.0705638	121889.756891947	470925.8838987	3112.22866838546	3045.405199112513	2970.27509073881	2970.27509073881	75.678567840559	
448	232	171388	-75921.14133	944857.3170250766	-39.46954145642968	-101.0682272	122090.7797161042	470925.854415638	3110.460538415638	3043.817283880247	2967.694564421398	2967.694564421398	71.3677195	76.9067902154131
449	232	171389	-75261.14133	944857.3170250766	-39.46954696808616	-101.0659876	122291.865677164	470925.854415638	3110.460538415638	3043.817283880247	2967.694564421398	2967.694564421398	71.3677195	76.9067902154131
450	232	171390	-74601.14133	944857.3170250766	-39.4695524050577	-101.0636354	122492.952335653	470925.854415638	3110.460538415638	3043.817283880247	2967.694564421398	2967.694564421398	71.3677195	76.9067902154131
451	232	171391	-73941.14133	944857.3170250766	-39.469557869853	-101.0612174	122693.847780291	470913.731313895	3113.176039501068	3039.20353109688	2962.332265946	2981.7095461073086	57.13128743478181	57.493500237919
452	232	171392	-73281.14133	944857.3170250766	-39.4695618624345	-101.0588089	122894.87011914013	470903.79479391	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
453	232	171393	-72621.14133	944857.3170250766	-39.469566833439	-101.0565443	123095.89282749427	470895.657665415	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
454	232	171394	-71961.14133	944857.3170250766	-39.46957179731564	-101.0542077	123296.914	470895.657665415	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
455	232	171395	-71301.14133	944857.3170250766	-39.4695766915058	-101.0518711	123497.93610675854	470887.584021524	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
456	232	171396	-70641.14133	944857.3170250766	-39.46958165046986	-101.049545	123698.957750779	470879.54151187	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
457	232	171397	-69981.14133	944857.3170250766	-39.4695865841082	-101.047198	123899.979237462	470871.51120942	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
458	232	171398	-69321.14133	944857.3170250766	-39.46959112135336	-101.0448614	124101.000551198	470863.45115682	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
459	232	171399	-68661.14133	944857.3170250766	-39.46959584	-101.0425248	124302.0217781814	470855.43227699	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
460	232	171400	-68001.14133	944857.3170250766	-39.469600513276106	-101.0401882	124503.042745999	470847.704	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
461	232	171401	-67341.14133	944857.3170250766	-39.46960511289675	-101.0378516	124704.063390714	470839.36807963	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
462	232	171402	-66681.14133	944857.3170250766	-39.46961097124666	-101.0355151	124905.0816249754	470831.3297154	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
463	232	171403	-66021.14133	944857.3170250766	-39.46961678105914	-101.033219	125106.1461456919	470823.28170872	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
464	232	171404	-65361.14133	944857.3170250766	-39.46962185	-101.0309419	125307.1248961927	470815.369217181	3102.007183422414	3037.687662837734	2990.278420805965	2991.356544830264	64.714818075176936	64.31122451348055
465	232	171405	-64701.14133	944857.3170250766	-39.46962730197532	-101.0285053	125508.1450072055	470807.28						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKgr.ft	BREVElevBothKgr.ft	SatHtElevKgr.ft	SatHtBothKgr.ft
542	232	171487	-110581.141327	944857.3170250766	-00.3696948	141991.234126089	4370527.094717313	2975.153500350736	2898.194717		2838.339307406315	2838.7019983878395	50.85540878366866	50.49272189
548	232	171488	-9921.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370523.073730795	2976.7153144877157	2881.6311898878132	2831.843118593033	2831.870474488245	55.76400947629626	55.74244833803781	
549	232	171489	-6261.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2986.534852360687	2886.534852360687	2838.4897232323153	2838.4897232323153	56.97294092383769	57.544922402383769	
550	232	171490	-8601.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2971.8393924	2884.571102239157	2833.292225161497	2833.289919918518	51.16468506	51.16877022861763	
551	232	171491	-7941.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2972.679146331526	2882.8802129637024	2841.109067624956	2842.0869573170885	41.77006818120686	40.7932564661394	
552	232	171492	-7281.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2976.795307755944	2881.305858212973	2840.2895904160032	2841.514785302556	41.0139491967702	41.52231756104163	
553	232	171493	-6621.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2980.9146186039	2979.726869	2837.624069601982	2838.353818796463	42.1027991254768	41.37296764387305	
554	232	171494	-5961.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2985.02762460477	2878.149607	2835.618278605377	2836.485277	42.5313281812616	41.66430335330056	
555	232	171495	-5301.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2987.021127575988	2884.571102239157	2838.4897232323153	2838.4897232323153	52.68993454134268	53.544922402383769	
556	232	171496	-4641.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2989.85006098978	2874.967425516046	2831.8836103404963	2833.620528080014	43.1038519	41.36652264139714	
557	232	171497	-3981.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2988.7979642868034	2873.4017846657193	2828.371025589373	2829.056077460016	41.8558305994774	41.8558305994774	
558	232	171498	-3321.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2988.640864747	2871.8131153771465	2826.257285339781	2828.126287566048	45.555803735657	43.6842778049838	
559	232	171499	-2661.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2987.021127575988	2870.22159890673	2822.73506982471	2824.46709760371	47.010298136545	45.759940570181	
560	232	171500	-2001.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2988.7979642868034	2868.6275771463856	2819.443887501673	2820.717206798116	49.18398694471256	47.91073043262698	
561	232	171501	-1341.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2989.85006098978	2867.931693170744	2817.35974723839	2818.217653982528	48.81791844680478	48.81791844680478	
562	232	171502	-681.141327	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
563	232	171503	21.14132693	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
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565	232	171505	1298.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
566	232	171506	1958.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
567	232	171507	2618.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
568	232	171508	3278.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
569	232	171509	3938.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
570	232	171510	4598.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
571	232	171511	5258.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
572	232	171512	5918.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
573	232	171513	6578.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
574	232	171514	7238.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
575	232	171515	7898.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
576	232	171516	8558.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
577	232	171517	9218.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
578	232	171518	9878.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
579	232	171519	10538.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
580	232	171520	11198.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
581	232	171521	11858.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
582	232	171522	12518.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
583	232	171523	13178.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
584	232	171524	13838.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
585	232	171525	14498.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
586	232	171526	15158.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
587	232	171527	15818.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
588	232	171528	16478.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
589	232	171529	17138.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
590	232	171530	17798.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
591	232	171531	18458.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208	2817.811083159557	2817.811083159557	48.25307898773099	47.51874360019405	
592	232	171532	19118.586730733514	944857.3170250766	-00.3696948345453	42192.2411059345	4370519.260343153	2992.543222180023	2865.435062147208					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	WatThLogKrg.ft	SurfThBoth.ft
673	232	171613	72578.85867307335	944857.3170250766	39.46956717143015	-100.542942	367316.9397834183	437002.20314801	2689.707893251073	2696.927457320377	2598.8909428	2598.339504627375	71.03702974292355	71.58795269269876
674	232	171614	72528.85867307335	944857.3170250766	39.46956218521276	-100.540157	367317.92891173425	437001.385656476	2813.31731521811	2696.1266286422	2597.80432789722	2597.474717155338	70.47448933683636	70.7647448933683636
675	232	171615	72698.85867307335	944857.3170250766	39.46957153865845	-100.537811	367318.91723886	437001.434792684	2816.12897558194	2696.298518741834	2597.61878787038	2597.61878787038	69.23461132928971	69.23461132928971
676	232	171616	72654.85867307335	944857.3170250766	39.4695570736743	-100.535485	367319.0848870853	437001.56564595	2819.43482312487	2694.44482312487	2595.75044328972	2595.26858622337	69.6040429	69.1765611921484
677	232	171617	72518.85867307335	944857.3170250766	39.469546573949	-100.5331479	367320.1851345379	437000.65689282	2822.1505909756827	2662.568088694293	2597.3494672794836	2592.203144923666	65.11824214480915	70.36494377062718
678	232	171618	72678.85867307335	944857.3170250766	39.469541788974695	-100.5308113	367321.8836554438	437001.57352085	2826.15152670011	2662.570660520775	2596.229334869978	2593.039055925776	64.44572758	67.63539624829176
679	232	171619	72638.85867307335	944857.3170250766	39.4695387707308	-100.5284747	367322.82705200991	436998.58801387	2826.92741067233	2662.71036184004	2594.2990450581005	2592.015868367266	64.4719913	66.75532321768476
680	232	171620	77198.85867307335	944857.3170250766	39.469531320034676	-100.5261382	367323.8603	436999.45891879	2827.4465712106233	2656.860931364159	2592.2104158947	2590.11516048922	64.64898977821213	66.74577091523274
681	232	171621	77898.85867307335	944857.3170250766	39.4695260178954	-100.523816	367324.84965865	436998.94358565	2828.956987	2654.948816282592	2590.6770411815567	2587.702107778225	65.27168447675251	67.24647085943575
682	232	171622	78518.85867307335	944857.3170250766	39.4695205747396	-100.521465	367325.8364772414	436996.61523991	2832.455521499283	2653.072684593725	2587.70782712933	2586.862104937112	65.3301812410338	66.1750278620125
683	232	171623	78178.85867307335	944857.3170250766	39.4695157806987	-100.5191284	367326.8243688837	436996.62571975	2830.55203710673	2651.1289031306706	2587.4823812882385	2589.604700594788	63.84502184243202	61.48820133892015
684	232	171624	79838.85867307335	944857.3170250766	39.4695090451296	-100.5167919	367327.8113433296	436997.636	2834.17484359529	2649.224366398077	2587.108092	2592.052157028417	61.21627395070474	57.17085564235386
685	232	171625	80498.85867307335	944857.3170250766	39.46950436	-100.514553	367328.7997577424	436998.647321206	2837.7494853279697	2647.332925051434	2586.063845228234	2591.842299453075	61.2634052861052	55.48162559772891
686	232	171626	81158.85867307335	944857.3170250766	39.469482993149	-100.5121187	367329.7829717118	436997.658416346	2841.14123262011	2645.428526910514	2584.178134439364	2591.45308341024	61.250329416897324	55.91423206784716
687	232	171627	81818.85867307335	944857.3170250766	39.4694832695953	-100.5097821	3701.3078292919	436996.669726488	2841.046263830312	2645.989584485429	2581.8190112140837	2585.8025253559996	61.7199442343536	57.736923617232486
688	232	171628	82478.85867307335	944857.3170250766	39.4694870389031	-100.5074456	3703.31761949702	436996.82124252	2838.69693788273	2641.659119400334	2580.083311620678	2582.984161172084	61.57286411935029	58.6717547679546
689	232	171629	83138.85867307335	944857.3170250766	39.46948189	-100.505109	37053.7490921654	436996.69296475	2832.34554196235	2639.780109	2579.8299238275954	2583.39182138458	58.9815510961481	56.38828755303166
690	232	171630	83798.85867307335	944857.3170250766	39.469476261127646	-100.5027724	37073.73105478	436995.705	2827.994184601963	2637.9122961183866	2579.7251241427933	2584.34134960928	58.197017547629	53.5705850555579
691	232	171631	84458.85867307335	944857.3170250766	39.46947051358491	-100.5004358	37093.7320050536	436996.717026095	2824.0284721417334	2636.053629979823	2578.812874150633	2585.496254271545	57.2404885	50.55710876082776
692	232	171632	85118.85867307335	944857.3170250766	39.46946471	-100.4980993	3711.3570978888	436996.64729	2825.041608077623	2634.204381777223	2576.4631890155283	2581.851465177123	57.14719276169449	48.2891569490751
693	232	171633	85778.85867307335	944857.3170250766	39.4694582106995	-100.4957627	37133.6964223584	436996.741912899	2816.87334147475	2632.3696784160803	2572.32321182243	2586.40741533712	59.9034523383712	45.95926182368076
694	232	171634	86438.85867307335	944857.3170250766	39.469452962138355	-100.4934261	371537.629473638	436996.75	2813.295276140549	2630.5496235154	2566.49023035192	2574.534595144719	60.426821915777	56.906895438740416
695	232	171635	87098.85867307335	944857.3170250766	39.4694470694136	-100.4917791	37184.856812083	436996.75189623	2796.5443471541403	2628.1558492623	2564.24343898297	2571.0487730738	61.0224414233627	51.0529728389896
696	232	171636	87758.85867307335	944857.3170250766	39.4694410682107	-100.488753	371939.55626294	4369930.78074615	2804.45531121224	2625.93714846776	2558.435679	2559.50545965423	65.001031934776	67.43216573193331
697	232	171637	88418.85867307335	944857.3170250766	39.4694405445835	-100.4864164	372140.64178219036	436996.7509374	2795.74772886211	2625.156377400933	2555.153691579554	2557.36297933525	60.2088884	67.79337597
698	232	171638	89078.85867307335	944857.3170250766	39.46942897459051	-100.4840798	372341.6278151327	436992.807731674	2795.0414851197	2623.340580508216	2551.357930206375	2555.3595971310438	72.061295675414	68.03446337157876
699	232	171639	89738.85867307335	944857.3170250766	39.46942286032305	-100.4817433	372542.6137262013	436998.8125131478	2793.9719182	2621.653481057126	2547.5873605240545	2555.9882160268976	74.0661293412164	65.66536203118848
700	232	171640	90398.85867307335	944857.3170250766	39.469416700550504	-100.479467	372743.59951506223	436991.4335005946	2796.00545659604	2619.939307905814	2544.589995501353	2561.9230042459712	75.0793135567878	58.0163035684283
701	232	171641	91058.85867307335	944857.3170250766	39.4694104694136	-100.477091	372944.556812083	436996.75189623	2796.5443471541403	2628.1558492623	2564.24343898297	2571.0487730738	61.0224414233627	51.0529728389896
702	232	171642	91718.85867307335	944857.3170250766	39.46940424559564	-100.4747338	373145.57472751876	436990.854	2796.080528907	2616.051547273474	2563.042547496149	2570.226876174824	64.15344444444444	54.24570579379115
703	232	171643	92378.85867307335	944857.3170250766	39.46939795041337	-100.472397	373346.5561515253	436992.87897812	2796.2043937485914	2614.96900810558	2543.25218580222	2597.02022659704	71.73382003695202	43.849003148457535
704	232	171644	93038.85867307335	944857.3170250766	39.46939161009452	-100.4700624	373547.541545325	436998.83058290	2790.91755899258	2613.402968837254	2543.06195164203	2571.3804590114126	69.34006579159059	42.0220187661735
705	232	171645	93698.85867307335	944857.3170250766	39.46938522463915	-100.4677238	373748.526361321	436989.40852257	2785.631824937136	2611.859036	2545.3499719406286	2570.9886686974193	65.60903638	40.8703491
706	232	171646	94358.85867307335	944857.3170250766	39.46937879404726	-100.4653783	373949.5116971241	436988.943277479	2780.18402831746	2610.358523024298	2547.1022946363643	2572.156945261083	63.20133489181062	38.20133489181062
707	232	171647	95018.85867307335	944857.3170250766	39.46937231811885	-100.4630577	374150.4965375338	436986.939176065	2774.6019777286	2608.10658870968	2548.1838444444444	2571.67454764823	59.72482496331325	37.2291110484481
708	232	171648	95678.85867307335	944857.3170250766	39.469365867307335	-100.4607741	374351.5574557566	436986.939176065	2778.405385109149	2607.405385109149	2547.1022946363643	2572.156945261083	63.20133489181062	38.20133489181062
709	232	171649	96338.85867307335	944857.3170250766	39.46935923146251	-100.4583776	374552.6615739784	436986.939176065	2778.405385109149	2607.405385109149	2547.1022946363643	2572.156945261083	63.20133489181062	38.20133489181062
710	232	171650	96998.85867307335	944857.3170250766	39.46935260314616	-100.456041	374753.4507372653	436987.496965917	2776.01375872844	2604.774833234256	2557.235704566912	2569.118258237564	63.31373765513725	35.6565809044923
711	232	171651	97658.85867307335	944857.3170250766	39.46934596404025	-100.4537044	374954.4319736157	436987.496965917	2776.01375872844	2604.774833234256	2557.235704566912	2569.118258237564	63.31373765513725	35.6565809044923
712	232	171652	98318.85867307335	944857.3170250766	39.46933926262945	-100.4513679	375155.419537891	436987.496965917	2776.01375872844	2604.774833234256	2557.235704566912	2569.118258237564	63.31373765513725	35.6565809044923
713	232	171653	98978.85867307335	944857.3170250766	39.46933252	-100.4490313	375356.4037905305	436986.93067637	2761.671816	2600.9170272867	2550.038919	2553.96657969833	64.7848384	46.9567446039431
714	232	171654	99638.85867307335	944857.3170250766	39.4693252435852	-100.446848	375557.387861082	436985.05203449	2761.671816	2600.9170272867	2550.038919	2553.96657969833	64.7848384	46.9567446039431
715	232	171655	100298.85867307335	944857.3170250766	39.4693182051963	-100.444618	375759.358083076	436985.05203449	2761.671816	2600.9170272867	2550.038919	2553.96657969833	64.7848384	46.9567446039431
716	232	171656	100958.85867307335	944857.3170250766	39.4693120561853	-100.442216	375959.358083076	436985.05203449	2761.671816	2600.9170272867	2550.0389			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
59	23	17139	-328661.1413	945517.3172025076	39.46691949525196	-101.97713717	3481831.85451939	4372713.785003967	3820.40093147345193	362.4818032427034	3518.9117172	3560.79154	705.7063202902732	63.286281210963394
60	23	17140	-329001.1413	945517.3172025076	39.46694222122045	-101.9747854	344082.8372249884	4372701.766563357	3821.291182897485	3623.05963773506	3518.3475241052853	3553.05633345402845	70.1203360758066	70.00593032321497
61	23	17141	-331341.1413	945517.3172025076	39.4698494386482	-101.9724691	344384.0436449802	4372705.457233958	3822.17700494478	3623.499173431665	3517.98631310289	3551.8063143698305	70.15303413287856	69.83869373335424
62	23	17142	-330681.1413	945517.3172025076	39.4698574047934	-101.9701228	344585.14781191082	4372701.426451677	3821.9366523711293	3517.971398553098	3517.931118628351	3550.331118628351	70.1452628031714	59.5975044942084
63	23	17143	-332061.1413	945517.3172025076	39.466601131966433	-101.9677765	344686.2573400085	4372697.308871767	3822.2470264564114	3618.3723231241481	3517.8282332313415	3527.388992745558	70.04400788013336	45.98334894992291
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65	23	17145	-328701.1413	945517.3172025076	39.46605179557316	-101.9631139	345088.4618125511	4372684.089728345	3818.3489102027077	3615.204412868824	3518.523610950424	3586.6246172986544	67.1678177442163	28.61579951168656
66	23	17146	-328041.1413	945517.3172025076	39.46605773561065	-101.9607776	345289.56997271204	4372689.951254904	3816.287334	3613.674983294967	3517.278041125057	3578.4999404421695	54.3969391740998	35.1793025655044
67	23	17147	-327381.1413	945517.3172025076	39.4661004463688	-101.9584413	345490.6998073656	4372705.333	3816.987450748827	3612.1125360010106	3518.2636547187085	3567.6288976	47.84888128130026	46.5288976
68	23	17148	-326721.1413	945517.3172025076	39.4661241246481	-101.9561105	345691.7735383146	4372676.715	3816.40521593367	3610.551712124846	3521.457258356437	3555.5405311889205	89.096552094404	54.9168994
69	23	17149	-326061.1413	945517.3172025076	39.46614473302476	-101.9537867	345892.87694120067	4372672.597101566	3823.9101528347997	3522.727581770394	3551.8588936932	3568.207170368762	57.15639571006893	47.15639571006893
70	23	17150	-325401.1413	945517.3172025076	39.4661760796674	-101.9514324	346093.98009405177	4372668.47947758	3827.37288235217	3607.496096343834	3523.86239102527	3557.1962828036	83.6337573313124	55.29841361345234
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82	23	17162	-317481.1413	945517.3172025076	39.46643079591047	-101.9233967	348507.198484709	4372619.038420875	3807.203846237573	3502.08095473435	3481.55229810831	3482.200527393124	110.5265973290324	109.8306759871966
83	23	17163	-316821.1413	945517.3172025076	39.4664524843441	-101.9210604	348708.2983654527	4372614.969507578	3803.663406325677	3500.828368159077	3478.2225787707173	3481.008464	112.6599580483367	109.8008727326776
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87	23	17167	-314181.1413	945517.3172025076	39.466538789243758	-101.9117517	349512.389730966	4372598.1979966	3805.770406748578	3506.82870349588	3468.9686374514	3471.1178951325482	121.913491914454	125.8884401127577
88	23	17168	-313521.1413	945517.3172025076	39.4665605242475	-101.9093787	349713.1941703191	4372594.7454545	3804.39842055078	3504.3842055078	3465.74639272297	3471.0477327131297	118.7276016719088	121.913491914454
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93	23	17173	-310221.1413	945517.3172025076	39.4666689193403	-101.8978971	350719.2837639052	4372576.323269965	3806.278988918039	3508.678431480364	3446.54433155884	3440.94775037936	127.1551256812715	138.3484868730958
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96	23	17176	-308241.1413	945517.3172025076	39.46673034128094	-101.8906881	351322.57455947166	4372561.495211934	3803.67160945902	3507.0444234673246	3438.94272923936	3437.792180390206	135.1016941733574	136.2522543640393
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98	23	17178	-306921.1413	945517.3172025076	39.46677240323852	-101.8860154	351724.7671930378	4372553.272	3805.414275625972	3507.371214650556	3435.648892508216	3433.103833602516	135.72254914713303	138.2674005339814
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101	23	17181	-304941.1413	945517.3172025076	39.46683590413514	-101.8790378	352375.7166048502	4372541.7191073191	3802.85187630621	3506.1913210271	3433.19181558968	3429.27132185896	136.4592613384796	137.272082327154
102	23	17182	-304281.1413	945517.3172025076	39.466856	-101.87667	352529.1495152216	4372536.826793321	3801.951102607397	3505.971722743437	3432.166064581244	3427.1790877248374	135.8056181930913	138.7902634906653
103	23	17183	-303621.1413	945517.3172025076	39.46687678625278	-101.8743337	35							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevLogKrg.ft	SatHtLogKrg.ft	SatHtLogKrg.ft
182	233	171865	-249501.1413	945517.3170250766	39.4684276871771	-101.6827488	269219.2188553974	427196.358667218	381.590400680705	3447.303748562302	3292.5087008544474	3288.1623207534644	354.7590477078548	159.141724780883776
186	233	171866	-248841.1413	945517.3170250766	39.46844472803535	-101.6804124	269420.2542589336	427196.265432116	357.1322433168943	3445.7696403876263	3290.954079723688	3285.9458624359348	159.82077818191965	159.82077818191965
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188	233	171868	-247521.1413	945517.3170250766	39.468476673647965	-101.6757395	269862.4443236111	427196.079746116	367.5370971185024	3444.2475821185024	3290.954079723688	3285.9458624359348	159.82077818191965	159.82077818191965
189	233	171869	-246861.1413	945517.3170250766	39.468495878726476	-101.673403	270023.51901530265	427196.978193007	357.1322433168943	3441.2449143830935	3288.4097612801806	3281.9672873979243	152.8355130291295	159.27702685916926
190	233	171870	-246201.1413	945517.3170250766	39.468512367425	-101.6710666	270224.5938017315	427175.7895	358.16681406914	3439.765431990636	3287.7219734883074	3281.464575107562	150.312124250102	159.27702685916926
191	233	171871	-245541.1413	945517.3170250766	39.468529253485904	-101.6687301	270425.6677184269	427172.00271631	366.2034852697512	3438.30247852697512	3286.7333038380267	3280.9601112377384	151.569174886679	159.27702685916926
192	233	171872	-244881.1413	945517.3170250766	39.468546023166795	-101.6663337	270626.7417032681	427171.7079351	361.646981607512	3436.867174494564	3286.401477989619	3280.9601112377384	151.569174886679	159.27702685916926
193	233	171873	-244221.1413	945517.3170250766	39.468562747715907	-101.6640475	270827.8156159042	427163.127956116	358.16681406914	3435.42673821185024	3286.401477989619	3280.9601112377384	151.569174886679	159.27702685916926
194	233	171874	-243561.1413	945517.3170250766	39.46857943	-101.6617208	271028.8890754154	427159.5271567	354.5313440770324	3434.01035463301	3284.87153262094	3280.9601112377384	151.569174886679	159.27702685916926
195	233	171875	-242901.1413	945517.3170250766	39.46859606141365	-101.6593843	271229.9624093835	427155.43260074	354.5313440770324	3433.605377937365	3284.023295695143	3280.9601112377384	151.569174886679	159.27702685916926
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197	233	171877	-241581.1413	945517.3170250766	39.46862919458144	-101.6547114	271632.108400597	427147.254	357.1322433168943	3429.805295868045	3282.108532958806	3280.9601112377384	151.569174886679	159.27702685916926
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213	233	171893	-231021.1413	945517.3170250766	39.4688878760792235	-101.6173279	274849.2441422685	427081.82894344	3546.987938930535	3409.11038945710824	3259.554584107824	3259.554584107824	149.0503922994412	159.27702685916926
214	233	171894	-230361.1413	945517.3170250766	39.468903515847576	-101.6150315	275050.312259101	427077.7168903	3552.00984517153	3407.39215965727	3257.11090618114	3257.11090618114	149.0503922994412	159.27702685916926
215	233	171895	-229701.1413	945517.3170250766	39.46891926917141	-101.6126549	275251.3820862557	427073.6355	3554.7349843037677	3405.637488323447	3256.338580174338	3256.338580174338	149.0503922994412	159.27702685916926
216	233	171896	-229041.1413	945517.3170250766	39.468934566104	-101.6103184	275452.4507925454	427069.56719877	3557.122045479434	3403.876904329584	3255.20849447265	3255.20849447265	149.0503922994412	159.27702685916926
217	233	171897	-228381.1413	945517.3170250766	39.46895050701732	-101.607982	275653.591443674	427065.48010589	3553.609492790614	3402.114806260444	3253.695241866504	3253.695241866504	149.0503922994412	159.27702685916926
218	233	171898	-227721.1413	945517.3170250766	39.46896619324021	-101.6056455	275854.5873	427061.394593985	3553.609492790614	3400.35208	3252.446496	3252.446496	149.0503922994412	159.27702685916926
219	233	171899	-227061.1413	945517.3170250766	39.46898174432971	-101.603309	276055.6581822835	427057.30846152	3551.518852	3398.99712323357	3250.213907338195	3249.252478858168	149.0503922994412	159.27702685916926
220	233	171900	-226401.1413	945517.3170250766	39.46899734735294	-101.6010729	276256.7231	427053.22230474	3549.02113733638	3396.50118733638	3248.010812	3248.010812	149.0503922994412	159.27702685916926
221	233	171901	-225741.1413	945517.3170250766	39.46901271110832	-101.598862	276467.790694893	427049.1348467	3546.987938930535	3395.07106745307	3246.0717558852	3245.4952460476785	149.0503922994412	159.27702685916926
222	233	171902	-225081.1413	945517.3170250766	39.46902812679738	-101.596295	276668.857924564	427045.00562366	3544.03950741853	3393.314764241595	3246.126021539424	3245.900486193548	149.0503922994412	159.27702685916926
223	233	171903	-224421.1413	945517.3170250766	39.4690433759294	-101.593963	276869.92501978495	427040.96543244	3541.96152741273743	3391.552741273743	3244.199725364023	3245.4952460476785	149.0503922994412	159.27702685916926
224	233	171904	-223761.1413	945517.3170250766	39.4690588277494	-101.5916266	277060.918950804	427036.88	3540.297911171	3389.7466707731315	3246.515694262573	3245.719842977	149.0503922994412	159.27702685916926
225	233	171905	-223101.1413	945517.3170250766	39.4690741036333	-101.5892901	277262.058507698	427032.795207119	3538.692989831491	3388.03700763115	3245.682998237104	3245.682998237104	149.0503922994412	159.27702685916926
226	233	171906	-222441.1413	945517.3170250766	39.469089319827108	-101.586936	277463.124867031	427028.71049239	3536.970131845525	3386.27945402491	3244.954339240085	3244.954339240085	149.0503922994412	159.27702685916926
227	233	171907	-221781.1413	945517.3170250766	39.46910456239262	-101.584647	277664.198313684	427024.5828171	3534.987938930535	3384.34282171	3243.1588042803196	3243.1588042803196	149.0503922994412	159.27702685916926
228	233	171908	-221121.1413	945517.3170250766	39.469119671326684	-101.5823608	277865.250721369	427020.5154702	3532.41777412555	3382.760611083163	3242.361054436984	3242.361054436984		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBotKgr.f	SatHtKgr.f	SatHtBotHt.f
312	233	171991	-166341.1413	945517.3170250766	39.470271936011266	-101.3834846	294552.99210157973	31721682.271	3396.362927	3246.1565774898168	3130.8471596810036	3121.74912810095	315.30941788081312	124.4047467972183
312	233	171992	-166581.1413	945517.3170250766	39.47023071367627	-101.380121	29474.054004374086	317670.204448672	3394.0116191423076	3244.837245	3130.7171253133056	316.483573132277	114.12012013138428	128.35367411241205
313	233	171993	-166821.1413	945517.3170250766	39.47034202210408	-101.3836766	29458.0876170589	317674.1379193123	3391.66611122925	3245.523890624305	3130.62192430413	312.113878011784	113.1822852842623	122.4093158067557
314	233	171994	-164361.1413	945517.3170250766	39.47023528539005	-101.3813389	295156.1365	317676.0702	3389.3000102562	3242.1144413041256	3130.0132355740055	312.912631605033	112.18301069090722	118.1018069090722
315	233	171995	-163701.1413	945517.3170250766	39.47023575552208	-101.3790024	295357.18423666165	317666.050473004	3387.64702355769	3240.908318	3129.3296953767883	312.9135836639195	111.57872237403171	116.08996076900502
316	233	171996	-163041.1413	945517.3170250766	39.47027567565705	-101.376658	295558.231767541	317663.93562641	3386.167437488665	3239.60511525843	3129.032283105725	312.05416113316123	110.5753831045785	114.59101240124204
317	233	171997	-162281.1413	945517.3170250766	39.47028680445681	-101.3743292	295759.27909778245	317667.8738646949	3385.70171419521	3238.5064028564	3128.663754283678	312.5145150565675	109.64188654200598	113.15148223006413
318	233	171998	-161721.1413	945517.3170250766	39.47027878720401	-101.371927	295960.3262	317653.808357856	3384.72907303377	3237.0072832513097	3128.346684881325	312.57108963391	109.6041836818476	111.2861391106688
319	233	171999	-161081.1413	945517.3170250766	39.4703692841715	-101.368661	296116.37315701524	317654.1379193123	3381.66611122925	3235.711685071382	3128.32786892965	312.6340468168486	107.3843158284755	109.1768963443322
320	233	172000	-160401.1413	945517.3170250766	39.47031991727053	-101.367319	296352.418886401	317645.67020575	3378.84306857175	3234.148895975236	3127.9256937861988	312.9710717723218	106.4195917710277	107.1477825207958
321	233	172001	-159741.1413	945517.3170250766	39.4703386463387	-101.364983	296563.664159068	317643.61165113	3375.2431850514213	3233.1292150424038	3127.3677342461137	312.924880008694	105.761407260415349	105.2043260415349
322	233	172002	-159081.1413	945517.3170250766	39.4703417668382	-101.362464	296764.5127457386	317637.549	3371.6433611456678	3232.842969004119	3126.8601985957583	312.973635013074	104.9827700063606	103.86658397311521
323	233	172003	-158421.1413	945517.3170250766	39.47035262390651	-101.3603098	296965.5588761013	317633.484071018	3367.3731673234402	3230.559597789843	3126.034673264103	312.8470496413235	104.52494252579145	102.51210114857076
324	233	172004	-157761.1413	945517.3170250766	39.4703633583678	-101.357973	297166.6048072096	317629.418937668	3362.432603731463	3229.705987493904	3124.932720639639	312.662360150610506	104.3463334242695	102.6170243133394
325	233	172005	-157101.1413	945517.3170250766	39.470374202634888	-101.3556367	297367.65059324095	317625.358813971	3358.213541141458	3228.001126884087	3123.592040688162	312.62651454418745	104.0897218422695	101.479881440031877
326	233	172006	-156441.1413	945517.3170250766	39.47038402429491	-101.3533001	297568.0907241356	317621.202	3352.551476446903	3226.732120440293	3123.1289164262778	312.5825899	103.582961965177	100.1882257539914
327	233	172007	-155781.1413	945517.3170250766	39.47039560811881	-101.3509363	29779.7414	317617.22839306	3348.16184254134	3225.40568645951	3122.9390362973963	3126.2250973619607	102.51532348556474	99.2246612899037
328	233	172008	-155121.1413	945517.3170250766	39.470406232205664	-101.348627	297970.7865437884	317613.164997722	3347.167217338972	3224.176271338972	3123.536689	312.71827421949	100.639520589923	98.60539456194528
329	233	172009	-154461.1413	945517.3170250766	39.4704168184851	-101.3462094	298171.8314808471	317609.101801762	3345.5960636157	3222.90148183326	3125.197148817729	312.8490444447326	97.7040336559718	95.9522373860267
330	233	172010	-153801.1413	945517.3170250766	39.47042735957356	-101.3439538	298372.87622078625	317605.03837610	3343.800112025197	3221.62390226653	3127.994401785461	312.983111165181	96.32494542719205	93.23380794719198
331	233	172011	-153141.1413	945517.3170250766	39.47043785555795	-101.3416172	298573.96028273734	317596.970602457	3342.202290903616	3220.34275715311	3131.41245403507583	313.707068953405	88.9303475	88.6127148927045
332	233	172012	-152481.1413	945517.3170250766	39.4704483504089	-101.339207	298774.9650271337	317590.93144438	3341.93664171544	3219.055725977348	3134.732890734433	313.93754674556	84.726194	85.0804276987196
333	233	172013	-151821.1413	945517.3170250766	39.47045919484838	-101.336861	298976.00954118267	317584.931152897	3338.25345141458	3218.06358187223	3137.62944434235	312.519994242946	81.131929429846	86.607205195153
334	233	172014	-151161.1413	945517.3170250766	39.47046972678014	-101.3346705	299177.0533038936	317588.78912002	3336.0465517350071	3216.433951702154	3134.917913415494	313.51440043450405	81.5360247542162	81.33991182517072
335	233	172015	-150501.1413	945517.3170250766	39.47047938811213	-101.3322709	299378.0709566676	317584.7827	3332.625880022122	3214.3138075251	3133.6163507362367	313.51540082811536	81.1577839301415	79.9800762545918
336	233	172016	-149841.1413	945517.3170250766	39.47048965840995	-101.3299343	299575.1406126473	317580.66535758	3332.315945471238	3213.7969730437962	3132.5119235565953	313.51536497462	81.28504498720092	78.68160806734341
337	233	172017	-149181.1413	945517.3170250766	39.47049885837146	-101.3275978	299780.1839720346	317575.7630844122	3330.730507721444	3212.438509	3134.0400485872563	313.4040049845827	80.94951451757353	78.39410464628272
338	233	172018	-148521.1413	945517.3170250766	39.470510063596585	-101.325612	299981.2217350379	317574.525393807	3330.445055917556	3211.0550116453805	3130.21704146626	313.322373870914238	80.101339875456	79.0176245369662
339	233	172019	-147861.1413	945517.3170250766	39.470521001984838	-101.3232646	300182.2701018627	317570.05833006	3328.25395741458	3209.542008707086	3128.3229824188826	313.2840468168486	81.19651356183194	78.19651356183194
340	233	172020	-147217.1413	945517.3170250766	39.4705302882377	-101.320549	300368.0524589035	317565.172717297	3326.196750589525	3208.196750589525	3127.79650973523	312.5588810558374	81.47848113929	83.757650039125
341	233	172021	-146541.1413	945517.3170250766	39.47054033285374	-101.3182514	300584.354477962	317560.39981696	3327.2817623076119	3206.71623076119	3127.4227264439114	312.447220402194	80.23403683700528	85.29041887
342	233	172022	-145881.1413	945517.3170250766	39.47055033233329	-101.3159148	300785.397273139	317556.299413909	3326.296867478834	3205.274693491513	3118.97830424332	311.91421321918435	86.2291291	86.0653695730786
343	233	172023	-145221.1413	945517.3170250766	39.47056028667643	-101.3135783	300986.40040114793	317552.29155228	3325.744674890664	3203.67133812049	3115.8432181204753	311.7597393114224	87.82691659	84.5170045062635
344	233	172024	-144561.1413	945517.3170250766	39.47057019588306	-101.3112417	301177.4820004919	317549.179105655	3324.628139605445	3202.114876590846	3113.014532	311.75816176590846	80.0959559	86.29357265078488
345	233	172025	-143901.1413	945517.3170250766	39.47058006955324	-101.308951	301388.523794558	317544.912665193	3323.519282299455	3200.540032893405	3110.3536045712044	311.141985717958673	86.17426282604	86.3471705265737
346	233	172026	-143241.1413	945517.3170250766	39.47059089	-101.306589	301589.5653418125	317540.05833006	3322.3959741458	3200.46358187223	3137.62944434235	312.519994242946	81.131929429846	86.607205195153
347	233	172027	-142581.1413	945517.3170250766	39.47060095828407	-101.3042218	301790.606786766	317536.002211502	3320.9605577382	3200.37482415257	3130.507482415257	312.5095518383574	80.98991335920061	87.84133549246917
348	233	172028	-141921.1413	945517.3170250766	39.4706093134466	-101.3018953	301991.6480091398	317531.045098267	3320.364160172923	3195.84110955304	3130.115350549492	312.506382162594	82.9275414	89.45238937207744
349	233	172029	-141261.1413	945517.3170250766	39.470619064868714	-101.2995587	302192.689	317527.881940949	3316.148231387652	3194.304581587062	3101.154762630094	312.4958321598378	82.92543250247	91.4747999
350	233	172030	-140601.1413	945517.3170250766	39.4706287325619	-101.2972221	302393.72847907161	317523.82319887	3316.260235511445	3192.735255138103	3099.503233344323	312.38439802838	82.902017436708	90.0787015786512
351	233	172031	-139941.1413	945517.3170250766	39.470638296507076	-101.2948856	302694.77046116116	317519.764612957	3315.3675956130115	3191.3090615978346	3098.123316089428	309.0851081	83.18574549040659	92.267784903219474
352	233	172032	-139281.1413	945517.3170250766	39.470647844641235	-101.292549	302765.81091181445	317515.706235905	3315.07988557382	3189.862530485153	3096.6034749474714	312.681152730516	80.248762	90.690371349098
353	233	172033	-138621.1413	945517.3170250766	39.47065749619658	-101.290281	302962.14949474714	317512.41640456	3314.7515421640456	3188.2271499474714	312.519994242946	81.131929429846	86.607205195153	90.0787015786512
354	233	172034	-137961.1413	945517.3170250766	39.4706680453125	-101.2878758	303179.891202528	317507.590108948	3313.9025577382	3187.021033885257	3094.0172146216043	3091.8074061199572	80.101339875456	92.267784903219474
355	233	172035	-137301.1413	945517.3170250										

ix	yy	X	Y	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtLog.f	SatHtBoth.f	
427	23	12117	-83181.14133	945517.3170250766	39.47129445827329	-01.0939368	319883.5626250954	4371171.50739881	310.4580005	3062.066112443191	2993.107177330081	63.43399593458962	68.89539513113023
438	23	12118	-82521.14133	945517.3170250766	39.47130012457935	-01.0910602	320084.5871768914	4371167.4669803068	3128.770071258057	3056.3578804523827	2996.14344784730074	64.21433278011652	68.30643260300353
439	23	12119	-81861.14133	945517.3170250766	39.47130854474905	-01.0899336	321481.7542198384	4371163.1897768107	3128.007135591593	3058.673533324648	2996.3255895977214	63.40736979465202	68.40736979465202
440	23	12120	-81201.14133	945517.3170250766	39.47131127178394	-01.0869209	320684.6357676204	4371159.38671173	3125.347062671447	3056.94602696724	2996.791672020657	60.20395736006246	60.17147894
441	23	12121	-80541.14133	945517.3170250766	39.47131686257068	-01.0845903	320687.65892253663	4371153.36871192	3122.6280770297026	3055.2821727024048	2994.0517849719686	59.5768394544943	60.7063325
442	23	12122	-79881.14133	945517.3170250766	39.471323842595	-01.0822537	320888.638638105	4371151.30735213	3119.905457722586	3053.6111066949	2990.0530796033563	59.5768394544943	60.7063325
443	23	12123	-79221.14133	945517.3170250766	39.47132778	-01.079917	321089.707303826	4371147.262798738	3119.466971212223	3051.96254857856927	2986.2983198885125	59.5768394544943	60.7063325
444	23	12124	-78561.14133	945517.3170250766	39.4713314752122	-01.0778904	321290.7308820676	4371143.28797491	3119.331852997342	3050.3093652659322	2982.5894032076462	59.5768394544943	60.7063325
445	23	12125	-77901.14133	945517.3170250766	39.4713359246269	-01.0754338	321481.7542198384	4371139.1897768107	3128.007135591593	3058.673533324648	2996.3255895977214	63.40736979465202	68.40736979465202
446	23	12126	-77211.14133	945517.3170250766	39.471339036502	-01.0729071	321692.1728318394	4371135.11015334	3124.975721443447	3057.04739855571	2976.000573	71.07292527	71.07292527
447	23	12127	-76581.14133	945517.3170250766	39.47134909012955	-01.0705705	321893.8003725456	4371131.11528355	3125.834854333043	3045.481695916394	2972.330871151162	67.27283119261463	67.27283119261463
448	23	12128	-75921.14133	945517.3170250766	39.4713534054695	-01.0682339	322094.8231881734	4371127.07411823	3126.727743339953	3043.906647280427	2972.1271280375026	67.27283119261463	67.27283119261463
449	23	12129	-75261.14133	945517.3170250766	39.4713594748594	-01.0658972	322295.8458301568	4371120.03597315	3130.617005245816	3042.304701533212	2973.3122885362814	60.83472679630545	60.83472679630545
450	23	12130	-74601.14133	945517.3170250766	39.4713645994965	-01.0635066	322486.68298109	4371118.989034354	3132.5062651498187	3040.801069	2977.084497545454	59.5768394544943	60.7063325
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452	23	12132	-73281.14133	945517.3170250766	39.4713741338492	-01.0588873	322898.917168468	4371110.1023	3136.628995455056	3037.750451182544	2980.43072549371	59.5768394544943	60.7063325
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459	23	12139	-68661.14133	945517.3170250766	39.471409014697	-01.0425916	324306.187645629	4371082.66405168	3147.096951819821	3027.510971074881	2987.145329923843	59.5768394544943	60.7063325
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465	23	12145	-64691.14133	945517.3170250766	39.47143592188957	-01.028151	325512.1847654562	4371058.45074562	3157.5924950698357	3018.429275786955	2984.745329923843	59.5768394544943	60.7063325
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477	23	12157	-56781.14133	945517.3170250766	39.4714859	-01.0004713	327924.041927138884	4371010.529561844	3158.41298929377	3001.5053162398324	2983.910369710545	59.5768394544943	60.7063325
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevLogsKrg.ft	LatHogLogsKrg.ft	SatHogBoth.ft
563	23	12243	-21.14132693	945517.3170250766	39.47165269441428	-100.7995192	445211.341642431	4730664.05197895	2983.573475213496	2864.04775223239	2817.9418816714027	2819.311306447927	46.10589349136454	44.736468773132005
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565	23	12245	-1298.8586730733514	945517.3170250766	39.47165269282908	-100.794459	445613.3496580435	4730656.022015566	2983.2615076178764	2860.832748962624	2819.973785017332	2821.168756191134	42.476587640695144	41.282514647173086
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569	23	12249	-3938.8586730733514	945517.3170250766	39.47165241559562	-100.7854993	446417.36371332116	4730639.9688378675	2984.155051357	2852.3435657357	2818.609446439323	2820.781276589316	35.9245119342483	33.75282708804121
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571	23	12251	-5258.8586730733514	945517.3170250766	39.47165269282908	-100.784459	446819.36967776257	4730631.943042444	2985.136656207684	2853.3665207684	2819.973785017332	2821.168756191134	42.476587640695144	41.282514647173086
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573	23	12253	-6578.8586730733514	945517.3170250766	39.4716507094539	-100.7761527	447221.3754849853	4730623.810785885	2985.633981269627	2848.183094185952	2971.8417108351402	2805.568224112755	56.24319858705051	52.6156853084009
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579	23	12259	-10538.8586730733514	945517.3170250766	39.47164719481356	-100.762138	448427.388	4730599.84148677	2985.495403488773	2838.515444194278	2768.028453422283	2767.840545206069	70.494988528098	70.494988528098
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588	23	12268	-16478.8586730733514	945517.3170250766	39.471638797638	-100.7411029	450236.3985905484	4730563.7527263	2953.794355198538	2823.704784529503	2740.62533658391	2740.62533658391	83.6369139744856	83.6369139744856
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591	23	12271	-18458.8586730733514	945517.3170250766	39.47163539898678	-100.7341923	450839.3989818726	4730547.79577231	2946.795289746375	2819.705289746375	2732.54738786675	2732.54738786675	87.1433251928961	87.1433251928961
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593	23	12273	-19778.8586730733514	945517.3170250766	39.47163260442444	-100.7294196	451241.399	4730543.71380507	2950.5573818942417	2815.353218402317	2724.4255756823295	2724.4255756823295	89.9246711998749	89.9246711998749
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599	23	12279	-23738.8586730733514	945517.3170250766	39.471624937158716	-100.7153997	452447.3947079034	4730519.66893031	2940.6452981539	2805.3645388106	2716.3713710372993	2716.3713710372993	96.4821950520113	96.4821950520113
600	23	12280	-24398.8586730733514	945517.3170250766	39.4716231055764	-100.713063	452648.39353130956	4730515.662114942	2938.83502055783	2803.68661420621	2719.937503326805	2720.88106384941	97.4315803740654	97.4315803740654
601	23	12281	-25058.8586730733514	945517.3170250766	39.471621041327184	-100.7107264	452849.3921785626	4730511.65553518	2937.165485491797	2802.00001604394	2719.169548924977	2729.4584928476	98.2830513246253	98.2830513246253
602	23	12282	-25718.8586730733514	945517.3170250766	39.4716186773947	-100.7083897	453050.390656546	4730507.649159049	2936.215778901257	2800.34032	2717.952122693096	2727.621358996363	99.15190568	99.15190568
603	23	12283	-26378.8586730733514	945517.3170250766	39.47161688641302	-100.7060631	453251.389898517	4730503.64291523	2934.17577871129	2798.598293612394	2716.446848398826	2727.625411054463	100.28218136994763	100.28218136994763
604	23	12284	-27038.8586730733514	945517.3170250766	39.4716150974856	-100.703714	453452.3872720001	4730499.67303936	2935.80540464314	2796.862545053135	2716.446848398826	2727.625411054463	101.1854874524686	101.1854874524686
605	23	12285	-27698.8586730733514	945517.3170250766	39.4716132819436	-100.7013783	453643.3935772734	4730495.812772734	2934.49824572	2795.83293058597	2716.446848398826	2727.625411054463	102.1854874524686	102.1854874524686
606	23	12286	-28358.8586730733514											

ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
68	2328	83138.85867307335	945517.3170250766	39.47129482263598	-100.5051071	707536.7401222734	4370159.885790316	2829.033527684996	254.5411328396276	2583.1154406303394	2586.5266240628970	5742569220928817	54.01450881265691
690	2329	83798.85867307335	945517.3170250766	39.47128911408359	-100.502768	707307.7262641006	4370159.87595817	2822.9902527795475	2638.0885840847747	2583.2350178473024	2586.2115106402152	55.453366594	52.47703768655492
691	2329	84458.85867307335	945517.3170250766	39.47128936033536	-100.496486	720628.3713623559	4370151.908628178	2815.5074814653444	2636.9454857964475	2583.4246570684475	2585.1738733272414	58.025489379566	52.47703768655492
693	2329	85185.85867307335	945517.3170250766	39.47127917565525	-100.4908178	713139.70156329	4370151.92181896	2815.585737390465	2635.012137	2581.3826783733493	2585.916182230446	53.62945861953085	49.0905476837557
694	2329	85778.85867307335	945517.3170250766	39.47127171759931	-100.4957151	731340.8866872066	4370143.934241153	2811.66219640089302	2633.1907323862598	2578.5744779515955	2582.7471421639066	54.6162547762486	50.4350606669177
694	2329	86438.85867307335	945517.3170250766	39.47126582849555	-100.4934185	731541.6728947978	4370139.46688746	2807.74067827134	2631.362082057163	2573.940973707714	2576.500507616363	54.182213134	54.88213134
696	2329	87098.85867307335	945517.3170250766	39.47125988425396	-100.4918918	740712.559972026	4370135.959270262	2803.717545430995	2629.886304209064	2568.854050508096	2569.15140888977	60.735224916076	63.40814973192866
696	2329	87378.85867307335	945517.3170250766	39.47125391487459	-100.4887452	719343.651410531	4370131.972174169	2798.59343459593	2627.81199898589	2564.329452055675	2565.53790549515	62.422948407455	62.427934943907
697	2329	87858.85867307335	945517.3170250766	39.4712478935417	-100.486408	727444.8316801237	4370127.9588871438	2796.024954821917	2626.505258701718	2563.46366882584	2565.82649974	62.568592878074516	62.568592878074516
698	2329	88078.85867307335	945517.3170250766	39.4712418207046	-100.484072	732345.618996762	4370123.99943277	2791.345551500773	2624.305831132987	2559.595633956142	2561.780770425143	68.11091718	62.51882450394425
698	2329	88738.85867307335	945517.3170250766	39.47123570590975	-100.4817353	72746.60259118327	4370120.01309706	2790.241113853208	2622.582015997834	2551.914583352036	2562.24682	70.66742254	60.339334968402
700	2329	89058.85867307335	945517.3170250766	39.471229545972556	-100.4793897	732747.5881635811	4370116.026961214	2792.105595181826	2619.9204919205929	2548.94019205929	2564.673196	71.4244694790227	56.2094641123126
701	2329	891058.85867307335	945517.3170250766	39.4712234091104	-100.4770621	72948.5734161465	4370121.040103294	2790.07898918406	2619.2108621859325	2547.2924350405474	2567.5832265930766	71.91842714538507	59.6270892585858
702	2329	89178.85867307335	945517.3170250766	39.47121700705906	-100.4747255	73419.55894319374	4370108.05373403	2795.985782	2617.564295242819	2546.1353797915513	2562.5064598591	71.4289154073553	47.05746428409565
703	2329	892378.85867307335	945517.3170250766	39.47121079636141	-100.472388	73350.54410071156	4370104.08798928	2798.891294630644	2615.94519590858	2545.89387788652	2562.7336311590728	71.5013810936918	42.5913841786005
704	2329	893038.85867307335	945517.3170250766	39.47120445489003	-100.4702352	73351.52923708514	437010.08447866	2797.80192021016	2614.35665202222	2546.267201407167	2574.76290210263	68.08945478055484	59.733900719515
705	2329	893698.85867307335	945517.3170250766	39.47119806926936	-100.4677156	737352.5142024658	4370096.0993271355	2787.10374455324	2612.80185426441	2547.09740274667	2574.927848000482	65.70451425177362	57.32710652598677
706	2329	89438.85867307335	945517.3170250766	39.47119138504166	-100.465379	739653.4990470583	4370092.11447243	2775.6134714693973	2610.7859231404	2548.435543100319	2548.87048245525	72.103632221274	38.8077142945878
707	2329	895018.85867307335	945517.3170250766	39.471186260971	-100.4630423	74154.84371106775	4370088.12977844	2769.745620596347	2609.81203415835	2550.2354573730895	2569.48911388145	55.67557024854534	40.319183448213
708	2329	895678.85867307335	945517.3170250766	39.47117854	-100.4607057	74355.46837470034	4370084.15291064	2768.376692128264	2608.376692128264	2552.51835440146	2568.950028541597	55.86837374209764	39.42689027410432
709	2329	89638.85867307335	945517.3170250766	39.471170540787	-100.4583691	74556.4528581603	4370076.10109385	2768.4528115903743	2605.97403792347	2555.403833146835	2566.202203089215	51.57739977805123	38.76822778313262
710	2329	89698.85867307335	945517.3170250766	39.4711654410047	-100.4560325	74757.4327165994	4370076.177	2767.452102855136	2605.811896	2554.79395956637	2566.86376374501	58.47176618162014	38.76822778313262
711	2329	89768.85867307335	945517.3170250766	39.471158206821	-100.4537871	74858.4745217187	4370072.13693979	2766.4528115903743	2604.27489692575	2553.1849697925	2567.88829692575	59.46231354203	38.76822778313262
712	2329	89818.85867307335	945517.3170250766	39.4711521067285	-100.4513592	75159.4055895718	4370068.290400236	2765.218413	2602.964967331	2550.66570969881	2561.748932	42.2992131035083	42.2992131035083
713	2329	89878.85867307335	945517.3170250766	39.471153901696	-100.4490226	75360.3896943937	4370064.22594246	2760.35662525384	2601.47972752684	2551.2022109352006	2552.41947943805	49.2574851	49.2574851
714	2329	89938.85867307335	945517.3170250766	39.47113857494483	-100.446686	75561.3734800815	4370060.22966027	2764.500329201994	2600.47471858205	2541.63287845251	2542.58513486870	58.7740953315693	57.8220279744081
715	2329	90028.85867307335	945517.3170250766	39.4711317049945	-100.4443493	75762.3724628236	4370056.2596474	2764.94745220232	2599.1535983428894	2532.454997860025	2532.73310354686	66.7180027420276	66.7180027420276
716	2329	90058.85867307335	945517.3170250766	39.471124843631	-100.4420127	75963.3409941597	4370052.27680215	2761.67891486772	2597.912468772606	2527.107373958758	2527.342591293456	70.8050948138472	70.8050948138472
717	2329	90128.85867307335	945517.3170250766	39.4711182106821	-100.439671	76164.3456217187	4370048.13693979	2762.454053505418	2596.81189698763	2526.617146871468	2526.8221860202825	73.95834817086958	73.95834817086958
718	2329	90178.85867307335	945517.3170250766	39.4711109484976	-100.437319	76355.307395125	4370044.31714078	2755.144502425626	2595.94111593216	2516.670041381616	2516.327035006377	78.7871002115439	77.05926389357
719	2329	90238.85867307335	945517.3170250766	39.4711038113903	-100.4350029	76566.2912284027	4370040.393476182	2752.82496035456	2593.267686174944	2516.6027208820955	2516.61101262695	77.6340272539889	78.0756635482487
720	2329	90308.85867307335	945517.3170250766	39.471098763545	-100.432662	76767.2740352493	4370036.34702173	2751.6260448397334	2593.01749485895	2516.925476066396	2516.925476066396	77.6340272539889	78.0756635482487
721	2329	90418.85867307335	945517.3170250766	39.4710897063545	-100.4303296	76968.255	4370032.36591756	2751.797521561157	2590.757521561157	2518.30369024226	2518.1349190822298	77.6340272539889	78.0756635482487
722	2329	90458.85867307335	945517.3170250766	39.47108267074424	-100.427993	77169.2540046553	4370028.384087218	2749.113425119207	2590.575263	2520.55551053076	2520.55551053076	77.6340272539889	78.0756635482487
723	2329	90458.85867307335	945517.3170250766	39.4710754959185	-100.425654	77307.2223249565	4370024.40288582	2748.7462971884	2589.459367923894	2523.59815954084	2523.59815954084	77.6340272539889	78.0756635482487
724	2329	90458.85867307335	945517.3170250766	39.4710681367106	-100.423319	77517.205298741	4370020.42146746	2747.654053505418	2588.1896981098	2520.651714687146	2520.651714687146	77.6340272539889	78.0756635482487
725	2329	90458.85867307335	945517.3170250766	39.4710607978784	-100.420832	77772.185176029	4370016.40408791	2745.8340886819	2586.88109797983	2523.335920206364	2523.147814647483	52.5458967295639	51.7340831514542
726	2329	90458.85867307335	945517.3170250766	39.47105354447087	-100.418645	77973.170989524	4370012.45972763	2745.129064713563	2585.63308603053	2523.05062939129	2523.05062939129	52.5458967295639	51.7340831514542
727	2329	90458.85867307335	945517.3170250766	39.47104615825555	-100.4163099	78174.1533450241	4370008.479152404	2744.170480240427	2584.377701347173	2520.25069787436	2521.0858462902506	52.5458967295639	51.7340831514542
728	2329	90458.85867307335	945517.3170250766	39.47103874204306	-100.4139733	78373.1358422425	4370004.498782951	2743.306202195704	2583.1085624166301	2521.532686097564	2521.532686097564	52.5458967295639	51.7340831514542
729	2329	90458.85867307335	945517.3170250766	39.47103173129309	-100.4116367	78576.1717077366	4370000.815819313	2742.44192415804	2581.82768766296	2521.532686097564	2521.532686097564	52.5458967295639	51.7340831514542
730	2329	90458.85867307335	945517.3170250766	39.4710237906575	-100.4093001	78777.097146305	4369996.538661482	2741.75764610064	2580.35111153964	2520.1435365122343	2520.5097700534712	70.791644607121	70.791644607121
731	2329	90458.85867307335	945517.3170250766	39.4710161367106	-100.406928	78973.170989524	4369992.408791524	2740.8340886819	2579.335920206364	2516.670041381616	2516.670041381616	70.791644607121	70.791644607121
732	2329	90458.85867307335	945517.3170250766	39.4710085953301	-100.404628	79179.063324016	4369986.93963199	2740.17470527523	2578.335920206364	2516.670041381616	2516.670041381616	70.791644607121	70.791644607121
733	2329	90458.85867307335	945517.3170250766	39.47100094606969	-100.4022902	79380.405403311	4369984.600027731	2739.1421740859146	2576.586407282395	2498.917425192149	2497.82158257914	77.668802902457	77.668802902457
734	2329												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIEvLogKgr.f	BREIEvBothKgr.f	SurfLatBoth.f	SurfBoth.f
75	234	172495	-32201.1413	946177.3172020766	39.468090429666915	-101.9397793	247103.6179710814	3728429.20179465	3820.9606217363284	3599.5962254924027	3508.464777870366	3514.6941622418685	91.13144758883664	84.90206231734222
76	234	172496	-32144.1413	946177.3172020766	39.46811235055392	-101.9374429	247304.7169377532	372846.085	3817.8892762364206	3598.337618471442	3504.326925254979	3508.903269470126	94.01706271662325	89.43349152442493
77	234	172497	-32079.1413	946177.3172020766	39.46813498311466	-101.9351069	247505.6267136196	372849.01949451	3814.815937073612	3597.969999785166	3503.145300924548	3509.834567758476	87.19534977584756	87.19534977584756
78	234	172498	-32021.1413	946177.3172020766	39.46815631043952	-101.9377002	247706.92150103583	372836.852	3817.743556360343	3595.944914251927	3505.9201659775836	3508.801869600607	90.9243544760914	87.0426218432303
79	234	172499	-31964.1413	946177.3172020766	39.46817818043804	-101.9304338	247908.0217809332	372823.73603791	3809.6660000000003	3594.601936038414	3501.9701096355125	3506.785825558336	87.21682996642897	87.81611404540536
80	234	172500	-31880.1413	946177.3172020766	39.46820005303693	-101.9280974	248109.126056694	372826.07282525	3803.5866109160041	3593.3586610913603	3507.953130909423	3508.4398948877	105.4053318192417	87.2261621248157
81	234	172501	-31814.1413	946177.3172020766	39.46822178504623	-101.925761	248310.22278045017	372824.50472523	3807.5818394830071	3592.1258436904087	3507.9530767390976	3507.67590340498	87.82501697440057	84.4367947440057
82	234	172502	-31748.1413	946177.3172020766	39.4682431965585	-101.9232447	248511.3217133644	372820.39396083	3806.4427872966626	3590.862675329255	3489.7462031477444	3504.741885364096	110.11647218148073	84.4278996518586
83	234	172503	-31681.1413	946177.3172020766	39.46826520913574	-101.9210683	248712.4224	372816.274595958	3809.31754093812	3589.54829599299	3477.3504354896313	3484.102333313099	112.2581621066676	85.5653628269299
84	234	172504	-31616.1413	946177.3172020766	39.4682879536659	-101.9187519	248913.5219	372812.15341352	3796.492594628929	3588.5023502369312	3474.1358870704029	3482.807327713498	112.41463223937	85.54429115235435
85	234	172505	-31550.1413	946177.3172020766	39.468308452706246	-101.9164155	249114.61020910873	372808.004435848	3587.0880761478124	3587.0880761478124	3587.0880761478124	3475.304787938194	110.11647218148073	85.54429115235435
86	234	172506	-31484.1413	946177.3172020766	39.4683300679674	-101.9140791	249315.7199441033	372803.930141573	3783.9429758700408	3585.82254013824	3584.1290204493225	3472.979038816457	117.6935035645015	113.31453013217753
87	234	172507	-31418.1413	946177.3172020766	39.46835151575384	-101.9117428	249516.8186314998	372798.91585825	3776.212097138443	3584.551652527228	3585.1976747138483	3470.80216682657	115.35935813887445	114.46948913587783
88	234	172508	-31352.1413	946177.3172020766	39.46837298	-101.9094064	249717.9102661062	372795.701786693	3776.1327377373605	3583.275537508416	3582.485954953878	3465.31211	120.8897529996316	117.9632676000136
89	234	172509	-31286.1413	946177.3172020766	39.4683943828883	-101.907070	249919.0150266162	372791.98726069	3773.11336669388	3581.9946075952616	3589.2330034575957	3587.1070625127006	124.92160410166585	124.92160410166585
90	234	172510	-31220.1413	946177.3172020766	39.46841157	-101.9047336	250120.11320740716	372787.447276652	3770.036483465015	3580.7901341370015	3586.381163	3443.81301992472	124.3279077110126	136.87733214452965
91	234	172511	-31154.1413	946177.3172020766	39.4684371003029	-101.9023792	250321.2109044228	372783.366034827	3768.05075401601	3579.4172469759196	3583.9784815769353	3442.8590878074506	125.4356758988429	136.5537416846905
92	234	172512	-31088.1413	946177.3172020766	39.46845836310916	-101.9000608	250522.308354551	372779.246711394	3767.156211479146	3578.1186776083387	3581.114209623587	3443.457234851188	126.04467984715	136.641411232199
93	234	172513	-31022.1413	946177.3172020766	39.46847962179143	-101.8977244	250723.4055588833	372775.13495544	3766.261473566906	3576.8140119907675	3584.193824575776	3447.991903279158	128.6206295313899	133.4116813
94	234	172514	-30956.1413	946177.3172020766	39.468500814841754	-101.895388	250924.5025147494	372771.021790864	3765.367083632455	3575.5034440458303	3585.2762667847237	3443.144749313798	130.27127761106	132.3589647318222
95	234	172515	-30890.1413	946177.3172020766	39.46852196267181	-101.8930516	251125.6295224536	372766.909197353	3763.7987148711804	3574.1875696291895	3584.4289805734694	3541.529380133315	131.9589905721022	132.65819361585798
96	234	172516	-30824.1413	946177.3172020766	39.46854305551575	-101.8907152	251366.659858002	372762.79851002	3761.5564125651264	3572.767454432166	3578.604699112985	3447.070625443293	133.26660773112644	134.73691371171848
97	234	172517	-30758.1413	946177.3172020766	39.46856412321133	-101.8884394	251627.791076148	372758.245895945	3759.8447482344874	3570.47428534448	3574.121298231	3446.121298231	134.9046711051948	134.9046711051948
98	234	172518	-30692.1413	946177.3172020766	39.46858513574062	-101.8860244	251728.878050294	372754.57263756	3757.07129406012	3570.21349628363	3570.21349628363	3570.21349628363	134.404377004527	134.41688740027676
99	234	172519	-30626.1413	946177.3172020766	39.4686061	-101.883706	251929.9830876167	372750.493043844	3755.3894365871842	3568.8071898075	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
100	234	172520	-30560.1413	946177.3172020766	39.46862702540798	-101.8813696	252131.079089434	372746.34397063	3754.266025447703	3567.5447811594845	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
101	234	172521	-30494.1413	946177.3172020766	39.46864792546046	-101.8790332	252332.1473305333	372742.23807411	3753.14274902537	3566.26444162779	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
102	234	172522	-30428.1413	946177.3172020766	39.468668734553596	-101.8766968	252533.2693174893	372738.126954873	3752.01940625944	3564.8666670427277	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
103	234	172523	-30362.1413	946177.3172020766	39.46868962143005	-101.8743924	252734.364067246	372734.016954945	3750.94478789238	3563.754183052431	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
104	234	172524	-30296.1413	946177.3172020766	39.468710263177046	-101.872024	252935.4656518576	372729.950571122	3749.058277617196	3562.496374731232	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
105	234	172525	-30230.1413	946177.3172020766	39.46873095979292	-101.8698678	253136.5525253397	372725.79474896	3747.5111414770417	3560.340450610497	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
106	234	172526	-30164.1413	946177.3172020766	39.46875161127812	-101.8673512	253337.646839326	372721.68460379	3745.93154219264	3559.33790058885	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
107	234	172527	-30098.1413	946177.3172020766	39.4687721763624	-101.8650148	253538.764095547	372717.55457033	3744.0804460127765	3558.16249524714	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
108	234	172528	-30032.1413	946177.3172020766	39.4687927785644	-101.8626784	253739.831601242	372713.4764947235	3742.954969382738	3556.821007753496	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
109	234	172529	-29966.1413	946177.3172020766	39.46881324945898	-101.860342	253940.9218189036	372709.35	3738.825487867817	3555.47837881737	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
110	234	172530	-29900.1413	946177.3172020766	39.46883479391581	-101.858005	254142.924589555	372705.245895945	3736.98416463874	3554.13180352451	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
111	234	172531	-29834.1413	946177.3172020766	39.46885419174307	-101.8556691	254343.1132553631	372701.13544161	3735.06652841088	3552.795152827516	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
112	234	172532	-29768.1413	946177.3172020766	39.468874572443575	-101.8533327	254544.2500890816	372697.027409499	3734.16622423385	3551.024699016805	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
113	234	172533	-29702.1413	946177.3172020766	39.468894800013134	-101.8509963	254745.29812018678	372693.618615695	3728.76756420238	3550.054588805338	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
114	234	172534	-29636.1413	946177.3172020766	39.46891519845175	-101.8486599	254946.3901883204	372688.81033015	3725.618021851854	3548.6820418535657	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
115	234	172535	-29570.1413	946177.3172020766	39.46893545375938	-101.8463234	255147.4820152273	372679.16613595	3724.3305967371506	3546.4356971392584	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
116	234	172536	-29504.1413	946177.3172020766	39.468955643935956	-101.843987	255348.5730957867	372675.9300722	3723.144093843674	3545.3277170433	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
117	234	172537	-29438.1413	946177.3172020766	39.4689767889141	-101.841641	255549.667140452	372671.84222108	3721.95725788678	3544.246312116403	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
118	234	172538	-29372.1413	946177.3172020766	39.4689959080583	-101.839312	255750.7561423653	372672.378	3720.675097392057	3543.192277	3570.47428534448	3570.47428534448	134.73691371171848	134.73691371171848
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatThKgr.f	SatThBoth.f
201	234	172621	-238941.1413	946177.3170250766	39.7050770110978	-01.6453866	272440.4956126259	4723232.170345223	302.186805221908	3424.20348487369406	3276.4039847556786	3278.967012205334	147.9681912815444	145.2357451640717
202	234	172622	-238281.1413	946177.3170250766	39.70524202	-01.6430501	272641.567510188	4723228.063020195	3427.8956373017558	3427.8956373017558	3275.53429496794	3278.530647077738	147.35629144454106	145.2357451640717
203	234	172623	-237821.1413	946177.3170250766	39.7054022037722	-01.6407195	272842.6386531447	4723229.458911873	3428.602674122554	3421.8037486894843	3274.5541404349876	3274.0132971819528	146.8884341997228	145.2357451640717
204	234	172624	-236961.1413	946177.3170250766	39.705565220070722	-01.638337	273043.7096554675	472319.900653014	3430.577363190272	3420.3241324102855	3275.53060775013	3276.677511594631	146.8236416327245	145.2357451640717
205	234	172625	-236301.1413	946177.3170250766	39.70572770540008	-01.6360405	273244.7805220376	4723215.811444533	3437.5524236976667	3419.0556126561823	3273.0203	3275.19037605026	147.02061240458215	145.2357451640717
206	234	172626	-235641.1413	946177.3170250766	39.70589446343529	-01.633704	273445.8512	4723171.72225564	3448.527148195062	3417.7967144011401	3270.56644	3273.14681837913	147.23010150793743	145.2357451640717
207	234	172627	-234981.1413	946177.3170250766	39.70604893473628	-01.6313674	273646.9215852022	4723207.633257124	3494.058846934309	3416.544929643809	3268.988789601115	3270.997519005807	147.55610540528943	145.2357451640717
208	234	172628	-234321.1413	946177.3170250766	39.70620984730254	-01.6290309	273847.9917818783	4723203.444749031	3504.1466201615693	3415.2968548459044	3267.158901755947	3268.18229436819	148.0809647303963	146.78402490228518
209	234	172629	-233661.1413	946177.3170250766	39.70636987635535	-01.6268684	274049.6517554452	472299.458911873	3514.233670819305	3414.047851567336	3266.320441761515	3266.785429468406	148.655274	147.2623810685827
210	234	172630	-233001.1413	946177.3170250766	39.70652945233772	-01.6245378	274250.131506711	472297.63755344	3520.320708198199	3412.787711155823	3263.582329416196	3264.40097801087	148.2053817396927	146.39671335479512
211	234	172631	-232341.1413	946177.3170250766	39.70668857797584	-01.6220213	274451.2010328316	472291.2794067385	3523.598820560756	3415.05685768067	3262.147514749148	3262.7434751026564	148.3367171081896	146.39671335479512
212	234	172632	-231681.1413	946177.3170250766	39.7068474	-01.6196848	274652.27043156275	472287.191	3538.067888955048	3410.12150926047	3260.0474231943	3259.843652758753	147.0403677409866	151.02685593017168
213	234	172633	-231021.1413	946177.3170250766	39.70700547522235	-01.6173482	274853.339457601	472283.1037434675	3545.538697550418	3408.60756082781	3258.9732610164037	3258.9771422446725	150.222950663771	146.9304138381038
214	234	172634	-230361.1413	946177.3170250766	39.707163462894	-01.6150117	275054.4082807844	472279.016227284	3552.0059260102446	3406.9673492515174	3256.732672808292	3256.732672808292	150.2342714436655	148.447251075363
215	234	172635	-229701.1413	946177.3170250766	39.7073205670919	-01.6126752	275255.4082807844	472274.528829131	3558.062350101141	3405.263191264295	3255.2380181312533	3258.311093	150.028183945147216	148.505209875149687
216	234	172636	-229041.1413	946177.3170250766	39.7074774340098	-01.6103386	275456.5453479012	472270.184182578	3564.700238	3403.31050378073	3253.767322385034	3259.78739300695	149.7637279030695	148.74221134451704
217	234	172637	-228381.1413	946177.3170250766	39.7076338358254	-01.6080021	275657.6135458174	472266.750440458	3574.30126386396	3401.7863732989594	3252.78098934005	3258.78098934005	149.4954399191053	148.4753293900113
218	234	172638	-227721.1413	946177.3170250766	39.7077898198098	-01.6056565	275858.6815256781	472262.6683657	3583.994014532388	3400.350607708001	3250.900881780676	3257.1718307295347	148.26378312753396	148.26378312753396
219	234	172639	-227061.1413	946177.3170250766	39.70794533466915	-01.603329	276059.7487868857	472258.581800601	3582.6395728941025	3398.281692526845	3249.7500368103592	3257.3072955608	148.515924242323	148.8882959712327
220	234	172640	-226401.1413	946177.3170250766	39.708100382221	-01.6009925	276260.8168140552	472254.9545058	3590.286814737824	3395.52784461125	3256.942114343678	3256.942114343678	148.80655068127	139.58361007174671
221	234	172641	-225741.1413	946177.3170250766	39.7082550104165	-01.5986595	276461.8812961762	472250.439671762	3597.9340035034623	3394.768708988875	3254.792585711456419	3254.3205501334924	148.9761211456419	140.43665197352902
222	234	172642	-225081.1413	946177.3170250766	39.7084091712595	-01.5963794	276662.961228672	472246.439671762	3595.812596314248	3393.01727992514	3246.948371212688	3256.269141106848	146.263558708462	136.74158488586545
223	234	172643	-224421.1413	946177.3170250766	39.7085638073595	-01.5940977	276864.0189862447	472242.38463254	3593.6287422254	3391.25834857632	3245.036828529474	3254.036828529474	146.0292619232367	136.74158488586545
224	234	172644	-223761.1413	946177.3170250766	39.7087161380944	-01.5918643	277065.047531904	472238.152030288	3591.277055090015	3389.494336	3245.708291470402	3257.1743403202527	145.786045	132.31996917191423
225	234	172645	-223101.1413	946177.3170250766	39.708868845707	-01.5893397	277266.1511884212	472234.067426906	3589.18184019431	3387.730392170122	3245.0158374270122	3255.130892701222	145.70219843473872	132.6301548148463
226	234	172646	-222441.1413	946177.3170250766	39.7090213011592	-01.5869732	277467.217404241	472229.96234734	3587.106632457933	3385.977513301570	3244.3489818143303	3254.125015415483	141.62853148724025	131.654978860735
227	234	172647	-221781.1413	946177.3170250766	39.7091732052647	-01.5846386	277668.283400859	472225.98765764	3583.677427921933	3383.2747727798793	3243.78272245081	3253.051795145483	140.4285535471645	131.654978860735
228	234	172648	-221121.1413	946177.3170250766	39.7093247	-01.5823001	277869.3491784475	472221.813	3580.94340306633	3381.76870898875	3243.792585711456419	3254.3205501334924	148.9761211456419	140.43665197352902
229	234	172649	-220461.1413	946177.3170250766	39.7094786943064	-01.5799853	278064.417372885	472217.72871592	3578.131032879844	3380.89073631282	3243.5368925989816	3253.1689452407216	148.742291456419	139.58361007174671
230	234	172650	-219801.1413	946177.3170250766	39.709632094307	-01.5776712	278265.5453479012	472213.64456292	3575.3783363523	3378.9215321215	3242.07039093027	3248.861253844123	148.85037605026	139.58361007174671
231	234	172651	-219141.1413	946177.3170250766	39.70978763082008	-01.5752904	278467.6154199306	472209.56860757	3568.73648182497	3377.1468251934107	3241.760770966246	3248.563712764435	147.9701833878406	128.3652428987616
232	234	172652	-218481.1413	946177.3170250766	39.709929555618	-01.5729538	278673.6103070074	472205.476886855	3548.2671021266903	3375.36662673875	3241.66009380142	3248.0464250257285	138.7085322657338	128.3652428987616
233	234	172653	-217821.1413	946177.3170250766	39.7100751515732	-01.5706173	278874.6747887793	472201.3933671	3547.795475495217	3373.585514533642	3242.0572567816935	3248.3466580161	131.5282546716077	125.21048544529913
234	234	172654	-217161.1413	946177.3170250766	39.71022389623435	-01.5682808	279075.739526747	472197.101005005	3547.328067353333	3371.79063	3241.863031033335	3247.4092589095027	124.303203444444	124.303203444444
235	234	172655	-216501.1413	946177.3170250766	39.71037271895453	-01.5659442	279276.8030710964	472193.22653333	3546.65648	3370.000095050425	3241.41789717614	3245.88532743908	128.58221913288116	124.303203444444
236	234	172656	-215841.1413	946177.3170250766	39.7105207	-01.5636077	279477.867401435	472189.14491195	3544.131032879844	3369.89073631282	3241.169225713587	3247.169225713587	125.169225713587	125.169225713587
237	234	172657	-215181.1413	946177.3170250766	39.7106682421149	-01.5612711	279678.9315930254	472185.01638052	3542.97147545842	3368.2827463206	3240.040181	3245.88532743908	128.3409858018453	125.49483176352512
238	234	172658	-214521.1413	946177.3170250766	39.7108136413731	-01.5589345	279879.949454927	472181.97080155	3540.53551263562	3364.57272878647	3238.65362166305	3240.007624157895	125.9191071552224	124.5651041628755
239	234	172659	-213861.1413	946177.3170250766	39.71096604827964	-01.556598	280081.0583371787	472176.8986481255	3540.038212760506	3362.705882088883	3236.9224820071556	3237.41782528674	125.9191071552224	125.9191071552224
240	234	172660	-213201.1413	946177.3170250766	39.711168858346	-01.5542614	280282.121502586	472172.814597126	3540.0410102171055	3360.94070208681	3234.8933927797007	3235.8738538367467	126.0283974289805	125.9191071552224
241	234	172661	-212541.1413	946177.3170250766	39.7113254710376	-01.5519248	280483.1845422102	472168.732791965	3538.284379175616	3359.084078970825	3233.585514533642	3237.41782528674	125.9191071552224	125.9191071552224
242	234	172662	-211881.1413	946177.3170250766	39.711500348882	-01.5495983	280684.247154448	472164.651125354	3536.1256861104274	3357.204046814274	3233.01526534045	3233.01526534045	125.9191071552224	125.9191071552224
243	234	172663	-211221.1413	946177.3170250766	39.7116754247045	-01.5472812	280885.306747045	472160.57	3534.131032879844	3356.07371484724	3232.0692598732257	3232.0692598732257	125.9191071552224	125.9191071552224
244	234	172664	-210561.1413	946177.3170250766	39.71184685	-01.5449152	281086.3790473041	472156.48439091	3531.607251327574	3353.524380862507	3232.142441016818	3230.86096300686	125.4000939800686	125.4000939800686
245	234	172665	-209901.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
324	12747	-155781.1413	946177.3170250766	39.47220842620636	-101.3509773	29773.8116	4371818.47996367	3352.222494172188	3325.1223130308403	3121.623954688001	3121.0618273504438	93.4893533283931	104.06048068039649	
328	12748	-155121.1413	946177.3170250766	39.472219057866695	-101.348406	297474.8565	4371814.415971741	3348.525633349703	3121.897116	3120.742973526405	91.96534849529028	103.13738598323976	91.96534849529028	
329	12748	-154661.1413	946177.3170250766	39.47222984126759	-101.346304	298175.012286156	4371813.353489251	3322.803861906708	3122.803861906708	3122.803861906708	91.96534849529028	103.13738598323976	91.96534849529028	
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372	12792	-126081.1413	946177.3170250766	39.4726421469625	-101.2458281	306820.6360374275	4371635.8136713	3331.830357134671	3					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
43	234	127873	-72621.14133	946177.3172050766	39.47319255324109	-101.056571	323103.97722811725	4371308.113544552	500.004066	306.28244009083	2986.5101081732714	2986.7036847960717	49.77233191766159	49.7723529476132
454	234	127874	-71961.14133	946177.3172050766	39.473197487466808	-101.054204	323304.9987695525	4371262.7025118525	500.004066	304.77656030684	2985.438549813536	2984.470045181628	49.33801117327624	49.33805157492304
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457	234	127877	-69981.14133	946177.3172050766	39.47321030938636	-101.0472103	323908.0624887804	4371291.965712527	517.8404725431974	302.286318392014	2967.7122549815317	2971.5560945940065	62.5740631048227	58.7302238
458	234	127878	-69321.14133	946177.3172050766	39.4732168229747	-101.0448736	324109.0832992731	4371287.928267929	515.327339674979	302.740446445816	2960.4530615057424	2965.518510793515	63.27535060907273	63.27535060907273
459	234	127879	-68661.14133	946177.3172050766	39.47322154	-101.0425369	324310.104098087	4371283.89032893	515.2923548538834	302.730028238597	2962.836623898914	2969.735309898457	67.567390986547	67.567390986547
460	234	127880	-68001.14133	946177.3172050766	39.4732261499975	-101.040202	324511.12462567654	4371279.857040223	514.7339081489511	302.5162697807575	2964.819731719091	2964.550479997562	70.9663306166634	71.2657897828031
461	234	127881	-67341.14133	946177.3172050766	39.473230815082	-101.0378365	324712.1486921652	4371275.32126852	514.846230761513	302.436492153866	2957.745570415445	2960.19140058302	74.1459115580448	74.1459115580448
462	234	127882	-66681.14133	946177.3172050766	39.47323542625654	-101.0355289	324937.051677645	4371271.78529127	515.630191342983	302.284647	2946.727046239716	2946.727046239716	76.0292414842415	76.0292414842415
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466	234	127886	-64041.14133	946177.3172050766	39.47325331	-101.02618	325716.24205362	4371254.65306873	514.6870167159055	301.0708716759175	2942.8305425408214	2950.033163	74.24597152	67.0435632868601
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469	234	127889	-62061.14133	946177.3172050766	39.47326624414525	-101.019169	326320.3016962705	4371243.542	515.2726281854175	301.82380648957	2942.860572931507	2952.043435627404	69.9634071745008	60.79854580621645
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471	234	127891	-60741.14133	946177.3172050766	39.47327464300072	-101.0144965	326722.3391819659	4371235.474590722	515.8463050694903	301.011463016645	2941.73133436302534	2951.872094499277	68.280203869156	58.1396851671724
472	234	127892	-60081.14133	946177.3172050766	39.473278771719425	-101.0121598	326923.3576695867	4371231.441072351	515.896954	300.607008	2941.1308234654903	2950.49565898777	76.476018139393	58.1166417485247
473	234	127893	-59421.14133	946177.3172050766	39.47328286129878	-101.0098261	327124.3798981973	4371227.408	515.942790725699	300.72033913907	2939.564394963831	2946.029189097223	67.63895564	61.17378081061406
474	234	127894	-58761.14133	946177.3172050766	39.4732869073876	-101.0074864	327325.3941402524	4371223.574660271	514.9573007602549	300.5799657371705	2938.30308	2946.2111694800223	67.461960450696	59.5568432368372
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477	234	127897	-56781.14133	946177.3172050766	39.47329876	-101.0004763	327928.447584508	4371211.270693915	515.692674475881	300.1588936981233	2934.474615266963	2940.790476235844	67.1123271316014	60.79646076575765
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480	234	127900	-54801.14133	946177.3172050766	39.47331023341696	-100.9934662	328531.49952043896	4371199.18041395	515.53569778653	2997.35111559950657	2930.72550192337	2932.3534343362	66.6255968072864	64.977197815
481	234	127901	-54141.14133	946177.3172050766	39.4733149819583	-100.9911295	328732.5164867865	4371195.9817296	515.4938632405363	2996.4704781387222	2928.7404781387222	2934.7404781387222	66.4564347620547	66.4564347620547
482	234	127902	-53481.14133	946177.3172050766	39.4733176092407	-100.9887728	328937.533097954	4371191.7140961	515.59331255925	2994.65539585736	2931.100711454393	2935.79462418339	67.0171145393	68.701119603696
483	234	127903	-52821.14133	946177.3172050766	39.47332144444444	-100.9864561	329134.54995344	4371187.086112552	514.7271955610524	2993.077036864183	2927.6130401560544	2932.76420596325	64.43899530636398	69.293030900351
484	234	127904	-52161.14133	946177.3172050766	39.47332484347208	-100.9841194	329335.5664314177	4371183.035	514.86680368671	2991.6707380025273	2926.7115074716407	2922.770111084457	64.8992035	69.3336232820165
485	234	127905	-51501.14133	946177.3172050766	39.47332838	-100.9817827	329536.5824232656	4371170.024808005	514.27064118162903	2990.15340858314	2925.995445778245	2920.882182624727	64.15796100531952	69.271225958407
486	234	127906	-50841.14133	946177.3172050766	39.4733319741564	-100.979446	329737.598890949	4371174.994	514.5460194391294	2988.68079158944	2925.00238	2919.7380380641	63.9480453565376	63.9480453565376
487	234	127907	-50181.14133	946177.3172050766	39.47333533770526	-100.9771938	329938.614669199	4371170.96382817	513.781242633192214	2987.207393572657	2924.413662606189	2918.968365357885	62.7471696567461	62.7471696567461
488	234	127908	-49521.14133	946177.3172050766	39.47333874323134	-100.974726	330139.630937546	4371169.34924127	513.4411141922277	2985.702332312163	2923.8272826795877	2918.710915753989	61.8103653546524	61.8103653546524
489	234	127909	-48861.14133	946177.3172050766	39.47334210713205	-100.9725788	330340.646329679	4371162.903114934	513.3580253523634	2984.22418664301	2923.367228458981	2917.373228458981	60.917478242068	60.917478242068
490	234	127910	-48201.14133	946177.3172050766	39.47334542681924	-100.9700991	330541.661807124	4371158.837343671	513.07489198229	2982.79107435911	2922.8704020140826	2912.617621104712	59.9457054128253	70.5519413254391
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492	234	127912	-46881.14133	946177.3172050766	39.4733519281917	-100.9654257	330943.6922906012	4371150.81425707	512.0584055579235	2979.6809797381	2922.26083927589	2912.59536663628	57.47498581	67.08561308
493	234	127913	-46221.14133	946177.3172050766	39.47335511	-100.963089	331144.7073	4371147.455782811	511.2745169458564	2978.17454386916	2921.3988834186854	2912.36671062154	56.7489617050765	65.8208838207078
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495	234	127915	-44901.14133	946177.3172050766	39.473361769581583	-100.9584364	331547.785815405	4371138.558958257	510.8513917547598	2976.858981426513	2921.7280239695877	2912.94875112793	56.170915753989	61.17378081061406
496	234	127916	-44241.14133	946177.3172050766	39.4733643145033	-100.9560789	331747.7512651029	4371134.69906534	510.84122126292	2976.40479173701	2921.5219814966	2913.315633004969	56.170915753989	61.17378081061406
497	234	127917	-43581.14133	946177.3172050766	39.47336739737772	-100.9537422	331948.76							

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatTfLogKgr.ft	SatTfBothKgr.ft
579	24	12999	10538.85867303351	94.617177170250766	39.473460052293115	-00.7621318	448431.403680059586	4370801.056152452	2967.292375776927	2766.54353409890286	2766.54353409890286	72.29518621796342	72.29518621796342
580	24	13000	11158.85867303351	94.617177170250766	39.473459305831021	-00.7597195	448325.4051430028	4370797.045076297	2967.546125983175	2763.8560825780427	2763.8560825780427	73.36053747344241	73.36053747344241
581	24	13001	11858.85867303351	94.617177170250766	39.47345841505551	-00.7574584	448653.4064986667	4370783.034074167	2967.760176504	2760.760176504	2760.760176504	74.88928144109225	74.88928144109225
582	24	13002	12518.85867303351	94.617177170250766	39.47345768679436	-00.7551217	449034.4076299637	4370789.023459777	2976.5241077722605	2833.9596464974677	2833.9596464974677	75.37427964156163	75.37427964156163
583	24	13003	13178.85867303351	94.617177170250766	39.47345688015975	-00.752785	449235.4085388303	4370785.013091791	2973.22645884720027	2754.5746840968077	2754.5688186542171	77.74810438	77.74810438
584	24	13004	13838.85867303351	94.617177170250766	39.4734558049789	-00.7504483	449436.408532457	4370781.003	2968.1411373283905	2751.703392159033	2751.703392159033	79.5024149221494	79.5024149221494
585	24	13005	14498.85867303351	94.617177170250766	39.47345491504013	-00.7481116	449637.4012064984	4370776.993	2965.056486272606	2829.04293753195	2829.04293753195	81.7581369901332	81.7581369901332
586	24	13006	15158.85867303351	94.617177170250766	39.47345390084267	-00.7457748	449838.4106520359	4370772.982973035	2967.071639671121	2747.127365055466	2747.127365055466	80.2687145	80.2687145
587	24	13007	15818.85867303351	94.617177170250766	39.47345291204334	-00.7434581	450039.411294146	4370763.9348021	2965.9119677698	2746.768785852624	2746.768785852624	80.8594417460354	80.8594417460354
588	24	13008	16478.85867303351	94.617177170250766	39.47345173702811	-00.7411014	450240.416914329	4370754.96328283	2955.701975841408	2744.09264577119	2744.09264577119	82.1264901311614	82.1264901311614
589	24	13009	17138.85867303351	94.617177170250766	39.4734505674155	-00.7387647	450441.418437326	4370760.95	2953.550484781506	2738.067003988234	2738.067003988234	83.762697744530749	83.762697744530749
590	24	13010	17798.85867303351	94.617177170250766	39.47344932655326	-00.736428	450642.411851433	4370756.94571472	2951.3989633112193	2736.459261017364	2736.459261017364	84.07457601650549	84.07457601650549
591	24	13011	18458.85867303351	94.617177170250766	39.47344815275941	-00.7340913	450843.411744742	4370753.939818589	2950.92013148286	2819.11479770577	2733.9570324262045	85.1573694337246	85.1573694337246
592	24	13012	19118.85867303351	94.617177170250766	39.473446867723816	-00.7317546	451044.411	4370749.928	2952.114646133183	2817.4811040733717	2731.2858140733717	86.16229003	86.16229003
593	24	13013	19778.85867303351	94.617177170250766	39.47344557345835	-00.7294179	451245.41100901984	4370748.91948319	2953.006614363554	2715.776532571333	2728.96427567949	87.23734568	87.23734568
594	24	13014	20438.85867303351	94.617177170250766	39.473444162233584	-00.7270113	451446.41044003913	4370740.911774016	2954.5027866732897	2714.1076393586873	2725.7876773012563	88.31986205143098	88.31986205143098
595	24	13015	21098.85867303351	94.617177170250766	39.473442741778975	-00.7247444	451647.4097	4370736.930806293	2953.52258541705	2812.443230024455	2724.142752053888	89.38048194565726	89.38048194565726
596	24	13016	21758.85867303351	94.617177170250766	39.473441726184466	-00.7224077	451848.408875293	4370732.996047029	2950.368067608205	2810.7853440234469	2723.55453336963	91.233013826261	91.233013826261
597	24	13017	22418.85867303351	94.617177170250766	39.47343977	-00.720071	452049.407873907	4370728.8884328	2947.213547974807	2809.12758671866	2723.3545276271407	93.573401472538	93.573401472538
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599	24	13019	23738.85867303351	94.617177170250766	39.47343690856381	-00.7153876	452451.40544780984	4370720.874	2942.16383790333	2805.797485096865	2722.02323481984	96.3276258013673	96.3276258013673
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601	24	13021	25058.85867303351	94.617177170250766	39.473434271181274	-00.7107473	452853.405154515	4370712.8460243967	2940.8244634604235	2802.4244634604235	2720.819377005254	98.2291051547648	98.2291051547648
602	24	13022	25718.85867303351	94.617177170250766	39.47343134686036	-00.7083875	453054.407401056	4370708.8533403	2940.256245501201	2800.743732541573	2719.333659413708	99.120236243617	99.120236243617
603	24	13023	26378.85867303351	94.617177170250766	39.473429753114125	-00.7060507	453255.3988674417	4370704.847526871	2938.2525991480534	2802.070917438	2717.902985199786	100.279328769522	100.279328769522
604	24	13024	27038.85867303351	94.617177170250766	39.47342793	-00.703714	453456.396916617	4370700.841426071	2937.8805406191983	2797.32736443736	2716.26588718048	101.291436251917	101.291436251917
605	24	13025	27698.85867303351	94.617177170250766	39.47342605545142	-00.7013773	453657.3947550618	4370696.85350393	2936.45038733254	2795.60438733254	2715.4542998899256	102.8767166882	102.8767166882
606	24	13026	28358.85867303351	94.617177170250766	39.473424713760006	-00.6994066	453858.3947715205	4370692.83942228	2935.1366315759788	2793.871102714855	2712.862643043297	104.00476184	104.00476184
607	24	13027	29018.85867303351	94.617177170250766	39.473422175430144	-00.6974837	454059.395183035	4370688.9780367	2934.219044781097	2792.7463949853	2711.3989770059254	105.0021667468	105.0021667468
608	24	13028	29678.85867303351	94.617177170250766	39.47342016819015	-00.6954382	454260.39494882234	4370684.91908822	2932.055368291258	2790.913611311377	2710.3623073923	106.00063374548	106.00063374548
609	24	13029	30338.85867303351	94.617177170250766	39.47341811575036	-00.6932035	454461.38479176135	4370680.814019726	2932.792614574033	2788.608048199006	2709.790738216338	107.0619530018546	107.0619530018546
610	24	13030	30998.85867303351	94.617177170250766	39.47341601820105	-00.6909838	454662.3819565147	4370676.809175928	2931.52396756553	2786.83428890243	2709.497428415857	108.1796524605154	108.1796524605154
611	24	13031	31658.85867303351	94.617177170250766	39.4734138751209	-00.6887351	454863.378951333	4370672.804505798	2930.5964571159136	2785.050417844278	2708.1176682788578	109.2620041	109.2620041
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613	24	13033	32978.85867303351	94.617177170250766	39.473409454715368	-00.6842836	455265.3725922406	4370664.796	2928.419474980817	2781.4532102961416	2705.9068838173183	111.518351394336	111.518351394336
614	24	13034	33638.85867303351	94.617177170250766	39.4734071760575	-00.6820439	455466.3691911384	4370660.791790333	2927.398494984683	2780.91145044394	2704.172202156487	112.32853496185	112.32853496185
615	24	13035	34298.85867303351	94.617177170250766	39.47340485336021	-00.6798102	455667.3657	4370656.7876536	2926.252516888412	2777.810756215609	2703.80262741625	113.352325284436	113.352325284436
616	24	13036	34958.85867303351	94.617177170250766	39.473402464973235	-00.6775735	455868.36917115434	4370652.78434782	2924.783204	2775.984327250606	2702.8028901765317	114.37024088176336	114.37024088176336
617	24	13037	35618.85867303351	94.617177170250766	39.47340007114666	-00.6753368	456069.358152815	4370648.78093713	2923.7813281448776	2774.1422916875404	2700.86230634701	115.3921480552825	115.3921480552825
618	24	13038	36278.85867303351	94.617177170250766	39.47339761278051	-00.6731001	456270.3541947638	4370644.77734392	2922.791637386597	2772.916376386597	2699.2234537563727	116.6808138287203	116.6808138287203
619	24	13039	36938.85867303351	94.617177170250766	39.47339510897477	-00.6686634	456471.3500985041	4370640.774736801	2921.8491551534846	2770.43286719863	2696.21225514829	117.9046096303399	117.9046096303399
620	24	13040	37598.85867303351	94.617177170250766	39.473392560029446	-00.6663327	456672.3458630847	4370636.77194709	2920.906106059943	2768.56989631267	2695.957898274027	119.96559492	119.96559492
621	24	13041	38258.85867303351	94.617177170250766	39.4733900449486	-00.6640933	456873.34049815	4370632.750179033	2920.0049484768	2767.68912446815	2695.0713917281513	121.044810332	121.044810332
622	24	13042	38918.85867303351	94.617177170250766	39.47338732072011	-00.6618637	457074.337899333	4370628.76689634	2919.054128709127	2764.8134132401	2694.706295524514	122.17001932436	122.17001932436
623	24	13043	39578.85867303351	94.617177170250766	39.473384642356095	-00.6593165	457275.3323316249	4370624.764819852	2917.95054592269	2762.9293250681053	2692.140442784849	123.5071304177	123.5071304177
624	24	13044	40238.85867303351	94.617177170250766	39.47338191	-00.6569798	457476.323447789	4370620.76288021	2916.730119730525	2761.036918579367	2694.917324790584	124.53658596622	124.53658596622
625	24	13045	40898.85867303351	94.617177170250766	39.473379138209374	-00.6546431	457677.3226209874	4370616.761	2915.71289091786	2759.12368607866	2686.804348962782	125.319741914173	125.319741914173
626	24	13046	41558.85867303351	94.617177									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBthKgr.ft	SatHtKgr.ft	SatBthKgr.ft
70	234	17325	96989.85867307335	946177.1720520676	-39.47301091522309	-100.46677073	373756.5018965759	4370297.29042573	2777.7851649333415	2713.7393292783959	2548.3921371022593	2577.356923910373	36.34719217610018	36.382045367996394
706	234	17326	94358.85867307335	946177.1720520676	-39.47300448340146	-100.4663706	373957.4865245458	470230.3504303975	2780.048084811244	2612.2105812016193	2549.1833896248176	2572.532481861967	63.0719198	39.6780938547662
707	234	17327	96918.85867307335	946177.1720520676	-39.47299638024086	-100.463024	374158.2519319454	470230.3504303975	2784.890043611299	2610.719158949001	2550.4867714547833	2564.967277317326	60.2318475925766	46.6518198856503
708	234	17328	96578.85867307335	946177.1720520676	-39.47299148704166	-100.460073	374359.544189687	470230.3504303975	2759.805381910953	2609.263914019053	2552.696657244964	2565.963516261456	56.70395326645714	45.60820674049855
709	234	17329	96338.85867307335	946177.1720520676	-39.47298482007356	-100.4583606	374560.3488638306	470230.3504303975	2744.6716062734736	2607.842612428085	2554.981434836714	2564.151488608603	52.86156804413616	43.6911182240211
710	234	17330	96989.85867307335	946177.1720520676	-39.472978309226676	-100.4560239	374761.42383737	470230.3504303975	2759.629613673746	2606.4531780174577	2557.7033496874564	2562.994502150228	48.74867187120374	43.45859802
711	234	17331	97658.85867307335	946177.1720520676	-39.47297165261098	-100.4536872	374962.4007859969	470230.3504303975	2748.4795181200125	2605.0925098747867	2559.424168134678	2561.53203782485	45.66809334069985	43.55970620083264
712	234	17332	98318.85867307335	946177.1720520676	-39.47296458065636	-100.4513505	375163.3917675052	470230.3504303975	2748.573690626982	2607.737865920363	2557.186640307154	2557.310204	46.57122561302921	46.447611998013274
713	234	17333	96918.85867307335	946177.1720520676	-39.47296038024086	-100.4490138	375364.3756	470230.3504303975	2759.805381910953	2604.46962967849	2550.4867714547833	2564.967277317326	57.2398125889726	54.1300824
714	234	17334	96938.85867307335	946177.1720520676	-39.47295411153141	-100.446672	375565.392	470230.3504303975	2763.843156587322	2601.154933877614	2541.99213387596	2541.7015002272614	59.1619561127409	49.45254336071321
715	234	17335	100298.85867307335	946177.1720520676	-39.47294457476073	-100.4443405	375766.347571044	470230.3504303975	2764.254155770746	2599.187817753015	2533.42844521232	2542.630754500207	60.54057296979458	60.57024590779458
716	234	17336	100958.85867307335	946177.1720520676	-39.47293762447935	-100.4420038	375967.3263604813	470230.3504303975	2760.286327	2598.617312045718	2527.965504	2527.56759921060	70.765107605803	70.7547121238174
717	234	17337	10118.85867307335	946177.1720520676	-39.47293074599983	-100.4396671	376168.3068194433	470230.3504303975	2766.3224577262336	2596.36786210018	2523.584446756669	2523.5739057693817	73.78232411	74.00862440609943
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719	234	17339	102938.85867307335	946177.1720520676	-39.47291677485754	-100.4349838	376570.278989005	470230.3504303975	2749.57326867396	2594.84893165384	2517.3543486920566	2517.111384	77.732044275960389	77.7723289580389
720	234	17340	103598.85867307335	946177.1720520676	-39.47290971182305	-100.432671	376771.2584902347	470230.3504303975	2747.9724076349894	2593.6474280819893	2516.656044021732	2516.472778196387	78.9880976	79.1446611335254
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722	234	17342	104108.85867307335	946177.1720520676	-39.47289545067921	-100.4279838	377173.2244135904	470230.3504303975	2744.77045558744	2591.171728	2519.1349542672865	2519.1387107243147	72.03625907	72.0331279063597
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727	234	17347	108238.85867307335	946177.1720520676	-39.47275897777104	-100.3855227	378484.02687543374	470230.3504303975	2742.8923624984813	2577.819839689882	2528.6874267141481	2528.6874267141481	62.8339071916225	62.8339071916225
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729	234	17349	109538.85867307335	946177.1720520676	-39.47284411480888	-100.411627	378580.1020050188	470230.3504303975	2748.028254867815	2582.31612686318	2511.587065062842	2511.902577786982	70.7160076234759	70.411042942257
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1	235	17361	37094.1413	946387.1720520676	-39.46814947601571	-100.411627	378580.1020050188	470230.3504303975	2748.028254867815	2582.31612686318	2511.587065062842	2511.902577786982	70.7160076234759	70.411042942257
2	235	17362	37028.1413	946387.1720520676	-39.46817482150992	-100.413637	378379.118	470230.3504303975	2745.0455527516	2583.609694976395	2514.178412	2514.6234062090168	63.956223266274	63.956223266274
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8	235	17368	36632.1413	946387.1720520676	-39.46832386402128	-100.3999437	379583.090044733	470230.350430397						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
91	235	173251	-311541.1413	946837.3170250766	39.4702498033933	-101.9024247	250325.3340161672	4732984.6638491474	3767.547368201828	3578.2097826298914	3453.505996	3453.484677463497	124.70378641436128	124.72510516639431
92	235	173252	-310881.1413	946837.3170250766	39.47027111419556	-101.9008802	250526.4300300191	472990.550380431	3766.64507155426	3576.41645808117	3450.750946229434	3444.000868375495	126.16364276622476	127.82608037057162
93	235	173253	-310221.1413	946837.3170250766	39.4703011884	-101.8977158	250727.5278127162	472951.7620173317	3765.74446190024	3575.6141785765027	3447.823260135917	3447.823260135917	127.7832922851755	128.1486137719395959
94	235	173254	-309561.1413	946837.3170250766	39.47031354651143	-101.8954153	250928.6234756203	472934.230477067	3764.814550626223	3574.3083473788	3445.20040085485	3440.0504086498	129.10681469276499	127.7487807
95	235	173255	-308801.1413	946837.3170250766	39.47033469	-101.8930789	251129.720836354886	472968.211242433	3763.30126856973	3572.9991198157227	3442.6843481484448	3446.70134	129.1477166727919	126.297579000129
96	235	173256	-308241.1413	946837.3170250766	39.47035579830726	-101.8907424	251330.8170738213	472951.674006613	3761.12403588916	3571.685782	3440.157304758786	3444.51564812984	131.52047714361153	127.16962569194175
97	235	173257	-307581.1413	946837.3170250766	39.4703766550668	-101.8884059	251531.9137026737	472959.986207222	3758.946395122187	3570.36942139667	3438.040843	3439.3895496481796	132.3225784170741	130.97087174648733
98	235	173258	-306921.1413	946837.3170250766	39.47037987	-101.8860695	251713.0088274086	472955.474006613	3756.766817515282	3569.4949625744	3436.407449220174	3436.407449220174	132.6425034359586	125.2983210104645
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102	235	173262	-304281.1413	946837.3170250766	39.4704817055376	-101.8767236	252537.3893786676	472939.427315473	3751.7021447572834	3563.752967404115	3430.562193	3426.4224271380065	133.1906740467343	137.33059528810803
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104	235	173264	-302961.1413	946837.3170250766	39.470523	-101.8720507	252939.5781851929	472931.205	3748.9337699071128	3561.1033739022372	3427.782135781821	3421.6213273104161	133.1906740467343	130.97087174648733
105	235	173265	-302301.1413	946837.3170250766	39.47054369736522	-101.8697124	253140.6722119027	472927.094519459	3746.77777770036	3559.780883	3426.714743	3420.659379701638	133.0894947471008	133.5209431247623
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109	235	173269	-299661.1413	946837.3170250766	39.47062603463252	-101.860384	253945.059289828	472910.653746631	3740.670295257595	3554.497142697448	3419.182683344857	3413.962502020817	135.30887463296222	140.5364609669103
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119	235	173279	-293061.1413	946837.3170250766	39.47082971856798	-101.836981	255955.963926549	472869.819153827	3724.621625452456	3540.761026452456	3400.765620115499	3395.26868895816	147.9147855207703	144.5102058015366
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127	235	173287	-287781.1413	946837.3170250766	39.47098676176976	-101.8183116	257564.673797657	472836.12088866	3715.190911272322	3529.15724194271	3393.17130616246	3391.979011555977	147.9147855207703	144.5102058015366
128	235	173288	-287121.1413	946837.3170250766	39.47100725728605	-101.8159751	257765.7862127334	472832.60252194	3712.1100532714007	3527.547130406987	3392.39465486196	3389.200325172555	147.9147855207703	144.5102058015366
129	235	173289	-286461.1413	946837.3170250766	39.471026889258454	-101.8136386	257966.856447835	472828.500572642	3708.003418310457	3525.921915100323	3391.34276052413	3384.53666227113	147.9147855207703	144.5102058015366
130	235	173290	-285801.1413	946837.3170250766	39.47104645809812	-101.8113021	258167.9444345428	472824.395131201	3705.94973984757	3524.2831190074126	3390.302850210294	3386.62032666819	147.9147855207703	144.5102058015366
131	235	173291	-285141.1413	946837.3170250766	39.47106589180502	-101.808956	258369.032006534	472820.28990064	3703.841229102432	3523.621667201675	3389.143041617555	3384.53666227113	147.9147855207703	144.5102058015366
132	235	173292	-284481.1413	946837.3170250766	39.47108540379001	-101.8066291	258570.11971801712	472816.18488162	3702.7077289405745	3522.507956533454	3388.747907828147	3384.53666227113	147.9147855207703	144.5102058015366
133	235	173293	-283821.1413	946837.3170250766	39.47110591261801	-101.8043048	258771.2682828282	472812.0888888889	3700.5707777777778	3521.3907777777778	3387.6190590824	3384.53666227113	147.9147855207703	144.5102058015366
134	235	173294	-283161.1413	946837.3170250766	39.471124282128734	-101.8019561	258972.294040336	472807.95476409	3700.04807747317	3517.86148292345	3384.331175	3377.448241197267	147.91478552	

ix	yr	ic37	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
217	235	17337	-228881.1413	946837.3170250766	39.47257617503623	-101.608022	77566.17081807315	4732468.09	3553.80896375486	3401.405463883431	3250.6221745099792	3256.1146137552133	143.7532893745213	145.2998030821807
218	235	17378	-227271.1413	946837.3170250766	39.472591720750894	-101.605868	77562.7759	4732463.942	3553.62663739962	3537.6274950601003	3249.335915110481	3257.0437417467892	150.3356041361923	145.23678413820802
219	235	17379	-227061.1413	946837.3170250766	39.472607233945724	-101.603303	77603.8434717926	4732459.85447525	3552.494918774124	3589.331402847591	3248.1635812357034	3254.389369015367	149.7603494949297	145.8058943460341
220	235	17380	-226401.1413	946837.3170250766	39.47262230369877	-101.601014	77624.9107688435	4732455.76986231	3550.3194237953613	3396.1849702641816	3247.2166970908089	3257.895100066181	148.96827235437286	138.2888606601746
221	235	17381	-225741.1413	946837.3170250766	39.472638292312205	-101.5986758	77645.9779	4732451.88272576	3548.139377934614	3394.4347910662104	3246.408984170139	3258.4314519567497	148.02586086907157	136.00330310940704
222	235	17382	-225081.1413	946837.3170250766	39.472653780791725	-101.5963292	77667.04475058246	4732447.596674057	3545.959327535614	3382.6817942049556	3245.70584437322	3257.638764076334	146.920670763346	135.04302970185017
223	235	17383	-224421.1413	946837.3170250766	39.47266980013544	-101.5940026	77688.1114096983	4732443.511	3543.84182171757	3390.92605297902	3245.258904346525	3256.65478059493	146.02586086907157	134.2721620205416
224	235	17384	-223761.1413	946837.3170250766	39.4726844034344	-101.591666	77708.1776432414	4732435.42502536	3541.7868605110513	3378.107991960639	3244.66521052539	3255.693563010636	144.505874	133.4742289027623
225	235	17385	-223101.1413	946837.3170250766	39.47269967415165	-101.5893294	77720.244657014	4732428.33978662	3538.79189893085	3374.411062394873	3244.24359527034	3254.389369015367	143.7532893745213	145.2998030821807
226	235	17386	-222441.1413	946837.3170250766	39.4727142335113	-101.586928	77747.3100529604	4732415.25	3537.67893027917	3385.6539658088	3243.71407895149	3253.202320254516	141.942317893042	130.453193213466
227	235	17387	-221781.1413	946837.3170250766	39.47273011415113	-101.5845652	77772.376289232	4732407.17	3537.948453118612	3383.8970864787484	3243.224565974854	3254.03704	140.62300302077	128.76328315933863
228	235	17388	-221141.1413	946837.3170250766	39.47274559815184	-101.5823196	77783.4158389257	4732403.08479114	3540.544621117099	3382.1352816882835	3242.525964470394	3253.9404917541608	138.6093178254458	126.1412391966319
229	235	17389	-220461.1413	946837.3170250766	39.4727603343194	-101.579983	77804.7506740573	4732419.020123566	3543.144435115589	3380.388593436696	3242.2857689073347	3253.9404917541608	138.6093178254458	126.1412391966319
230	235	17390	-219801.1413	946837.3170250766	39.47277514735161	-101.5776464	77825.57118436758	4732413.918584354	3545.742426114141	3378.97865969142	3241.95737865869	3250.4975923785	136.6400291032829	126.5481073128486
231	235	17391	-219141.1413	946837.3170250766	39.47279042599103	-101.5753097	77846.6357449083	4732410.81965408	3546.995015999306	3376.822518300617	3241.8174143663394	3250.1422681151875	135.6001039197224	126.6860271254877
232	235	17392	-218481.1413	946837.3170250766	39.47280538111082	-101.5729171	77867.7014277635	4732406.147743022	3546.9021745921823	3375.04139921485	3241.85320101476	3250.212281817963	133.1881198906732	124.8308517335314
233	235	17393	-217821.1413	946837.3170250766	39.472820311094466	-101.5706385	77879.76789	4732402.64060887	3546.809342347833	3373.2581468481016	3242.4751909206275	3250.212281817963	133.1881198906732	124.8308517335314
234	235	17394	-217161.1413	946837.3170250766	39.47283518594159	-101.568299	77897.8301404009	4732398.58401097	3546.7161019222034	3371.467019222034	3241.94134141700657	3249.95135859135	125.72260245213765	121.92434336305986
235	235	17395	-216501.1413	946837.3170250766	39.47285001565325	-101.5659633	77920.8941701855	4732394.497165455	3546.1261964077475	3369.6702632677343	3242.3530622103945	3248.6992271001072	127.3199010573385	120.9710361672706
236	235	17396	-215841.1413	946837.3170250766	39.47286504022833	-101.5636267	77948.1957862635	4732390.41406021	3545.38667977505	3368.466486936044	3242.583089273204	3248.6992271001072	127.3199010573385	120.9710361672706
237	235	17397	-215181.1413	946837.3170250766	39.47287953966714	-101.5612901	77968.02157792455	4732386.331485716	3543.950971426343	3366.295021006301	3241.7277920427714	3243.515737538232	124.328418025925	122.5404725247091
238	235	17398	-214521.1413	946837.3170250766	39.472894233969704	-101.5589534	77984.084956288	4732382.185814229	3542.86279510713	3364.2397054818694	3240.336179818694	3243.515737538232	124.328418025925	122.5404725247091
239	235	17399	-213861.1413	946837.3170250766	39.47290913313585	-101.5566181	78000.1481179341	4732378.16807044	3541.790461155891	3362.417680877876	3240.212281817963	3243.515737538232	124.328418025925	122.5404725247091
240	235	17400	-213201.1413	946837.3170250766	39.47292348716586	-101.5542802	78026.2110630365	4732374.03743162	3540.7532196114867	3360.58323942906	3239.802694548124	3237.654320723537	123.7855434970922	122.9238187055485
241	235	17401	-212541.1413	946837.3170250766	39.47293804605941	-101.5519436	78048.27379183035	4732369.01689569	3538.040962266826	3358.751672466876	3238.663293741842	3236.51923283174	123.08810787250331	122.229441445692
242	235	17402	-211881.1413	946837.3170250766	39.47295255981659	-101.549607	78068.336045119	4732365.91862263	3532.339788981558	3356.907299324376	3232.1305900621924	3236.9150543087617	122.77670297024519	119.9924523627588
243	235	17403	-211221.1413	946837.3170250766	39.47296702843731	-101.5472703	78089.3860128803	4732361.93423227	3531.9580668	3355.05961340355	3229.6897655832627	3236.9150543087617	122.77670297024519	119.9924523627588
244	235	17404	-210561.1413	946837.3170250766	39.47298145192163	-101.5449337	78100.4068262643	4732357.75679004	3530.913099191433	3353.209485	3227.373034706653	3236.9150543087617	122.77670297024519	119.9924523627588
245	235	17405	-209901.1413	946837.3170250766	39.4729959027681	-101.5426917	78121.5258478816	4732353.75759325	3529.755465979325	3351.963828424662	3226.193528839785	3236.9150543087617	122.77670297024519	119.9924523627588
246	235	17406	-209241.1413	946837.3170250766	39.473010115	-101.5404205	78142.5924817867	4732349.595	3528.61942102178	3349.501478	3224.099901184071	3236.9150543087617	122.77670297024519	119.9924523627588
247	235	17407	-208581.1413	946837.3170250766	39.47302445	-101.5379238	78163.645733855	4732345.15781678	3516.124474022116	3347.643103815949	3221.421179	3220.989535890066	122.2192520356588	120.40449596044
248	235	17408	-207921.1413	946837.3170250766	39.4730384540095	-101.5355872	78184.7069531396	4732341.43199913	3517.802364625117	3345.7822321507897	3219.24836461095	3216.5365851059462	121.74248391046112	119.9924523627588
249	235	17409	-207261.1413	946837.3170250766	39.47305289	-101.5332056	78205.7679593693	4732337.55828238	3519.47999226938	3343.9185588284835	3217.5123982238484	3217.381960927574	120.40449596044	119.9924523627588
250	235	17410	-206601.1413	946837.3170250766	39.4730670496765	-101.530914	78226.8297650502	4732333.27266706	3518.25176032309	3342.051667999026	3215.325506046634	3216.392472699262	120.40449596044	119.9924523627588
251	235	17411	-205941.1413	946837.3170250766	39.47308115249061	-101.528573	78247.899274899	4732329.135	3516.667477939966	3340.187122295627	3213.9389028	3215.125205204928	120.40449596044	119.9924523627588
252	235	17412	-205281.1413	946837.3170250766	39.47309521	-101.5262407	78268.949693034	4732325.19375079	3515.190461155891	3338.417680877876	3212.62671030542	3214.04071089244	120.40449596044	119.9924523627588
253	235	17413	-204621.1413	946837.3170250766	39.47310923214286	-101.5239041	78290.0098393876	4732321.93	3515.318148025155	3336.478450819810	3212.381345583076	3215.125205204928	120.40449596044	119.9924523627588
254	235	17414	-203961.1413	946837.3170250766	39.47312320426121	-101.5215674	78310.1069747686	4732316.954123895	3512.648325187396	3334.544655496202	3208.9142539711324	3212.60548292352	120.40449596044	119.9924523627588
255	235	17415	-203301.1413	946837.3170250766	39.4731373124282	-101.5192308	78330.212946709	4732312.87501382	3508.2473574937408	3332.657183140636	3207.1224057174622	3212.60548292352	120.40449596044	119.9924523627588
256	235	17416	-202641.1413	946837.3170250766	39.4731501308766	-101.5168942	78350.1800542066	4732308.796	3507.219741495919	3330.7643378419784	3205.3830755627284	3208.9142539711324	120.40449596044	119.9924523627588
257	235	17417	-201981.1413	946837.3170250766	39.47316484979569	-101.5145575	78370.24380114	4732304.71742484	3506.90272419964	3329.7037154239076	3204.396378498236	3206.94388393995	120.40449596044	119.9924523627588
258	235	17418	-201321.1413	946837.3170250766	39.47317864	-101.5122078	78391.3057038653	4732300.63849381	3505.96308452516	3328.175273098639	3203.24073098639	3204.7830379063291	120.40449596044	119.9924523627588
259	235	17419	-200661.1413	946837.3170250766	39.47319246910977	-101.509864	78412.5828478816	4732296.16807044	3504.9494784274	3329.81086093824	3202.193528839785	3204.7830379063291	120.40449596044	119.9924523627588
260	235	17420	-200001.1413	946837.3170250766	39.473206910217	-101.507476	78430.2491204874	4732292.082461531	3503.918402962934	3328.417680877876	3201.817680877876	3204.7830379063291	120.40449596044	119.9924523627588
261	235	17421	-199341.1413	946837.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatElevs	SatThBoth.ft
334	235	173503	-145221.1413	946837.3172020766	39.47418594273703	-01.3136039	00094.4735643959	4371954.735482089	3324.501704283373	3320.724784231365	3105.198232354837	3108.464687939557	86.52655189898131	95.2582969180726
344	235	173504	-144561.1413	946837.3172020766	39.474195565951816	-01.3112672	00119.61516139353	4371950.675047307	3331.857393325673	3322.1553431228817	3104.537620775976	3110.4876285843959	93.6760230538221	93.6760230538221
345	235	173505	-143801.1413	946837.3172020766	39.474206721527845	-01.3088058	00136.56646857865	4371946.618282324	3338.205882876316	3300.68321439211	3103.4974859193481	3109.8257927693481	97.07081167394831	97.07081167394831
346	235	173506	-143241.1413	946837.3172020766	39.47421555	-01.3056538	00159.67962849024	4371935.554006205	3346.55779133055	3198.974839134882	3102.2350877006933	3110.380486821503	96.73975143421285	97.53905051337924
347	235	173507	-142581.1413	946837.3172020766	39.474225315263354	-01.3042571	00178.738938989	4371938.44999964	3352.046063454234	3197.3851894303966	3100.7335338697445	3110.2833682399313	96.6516555392217	97.0132610048367
348	235	173508	-141921.1413	946837.3172020766	39.47423054442285	-01.3019203	00199.77936498483	4371930.543420284	3355.670460244285	3099.301343886871	3106.85024972068	3106.56513671274411	96.50097959	97.0132610048367
349	235	173509	-141261.1413	946837.3172020766	39.4742447284439	-01.2995836	00220.818941961	4371920.37601558	3398.2942535672087	3194.246510666228	3098.2465530745685	3110.2136216225488	95.9995979	97.0132610048367
350	235	173510	-140601.1413	946837.3172020766	39.47425436732522	-01.2972469	002401.86025303564	4371926.316837578	3354.0513436609091	3192.7069997029166	3097.09935731966	3106.9593482217575	96.60764217095084	97.71161148115915
351	235	173511	-139941.1413	946837.3172020766	39.47426361698226	-01.2948102	00260.8051441215	4371922.578698134	3391.1956778424403	3191.068778424403	3096.847835059193	3109.8257927693481	95.34274291	97.0132610048367
352	235	173512	-139281.1413	946837.3172020766	39.47427350677194	-01.2925735	00280.34051023615	4371918.11910924	3362.5512214121695	3189.697175535057	3094.71057542996	3089.796112	94.9650421053968	95.90180389501554
353	235	173513	-138621.1413	946837.3172020766	39.47428301313687	-01.2902388	00300.34003803	4371914.140562031	3361.098438263297	3188.229568137366	3093.983274727673	3091.0488381480156	96.7149134006585	97.1808239835032
354	235	173514	-137961.1413	946837.3172020766	39.4742924146288	-01.2879001	00320.61992241305	4371908.021291958	3359.645551236847	3185.79034448103	3093.05082	3093.38939839897	93.695264	93.40094462403776
355	235	173515	-137301.1413	946837.3172020766	39.4743018844988	-01.2855634	00340.70593305544	4371906.02408098	3358.0135258796004	3185.35159641259	3092.619741780729	3093.591389780778	96.1281646605304	94.84816166081141
356	235	173516	-136641.1413	946837.3172020766	39.4743115269787	-01.2832267	00360.0850630286	4371901.966167616	3356.2050853660523	3184.000385605023	3091.6547393883857	3093.157127499685	96.1281646605304	94.84816166081141
357	235	173517	-135981.1413	946837.3172020766	39.4743207596087	-01.28089	00380.91359459379	4371897.508445536	3344.85075197147	3182.4652056749187	3090.627698361593	3097.2603611507755	92.01850713236858	95.85884161442324
358	235	173518	-135321.1413	946837.3172020766	39.4743296337681	-01.2785533	00401.01784337885	4371893.505052836	3332.705099417287	3181.316888157286	3090.3005511891164	3090.3146319181556	91.9562232583958	91.00225623013047
359	235	173519	-134661.1413	946837.3172020766	39.4743390660771	-01.2762166	00421.215080986	4371889.73695913	3331.14827085457	3180.089595930244	3088.236700116151	3098.12763737319	91.7222943673939	93.88132213220064
360	235	173520	-134001.1413	946837.3172020766	39.474348273495544	-01.2737878	004412.25353633956	4371885.73655556	3349.818083407185	3178.719527083744	3086.6180990330454	3084.657203503534	92.0149367628234	94.06235465783902
361	235	173521	-133341.1413	946837.3172020766	39.474357415852296	-01.2715431	004613.29180004715	4371881.67970059	3348.651905273963	3177.45038729448	3085.664593064213	3083.598227928113	91.78045456523477	93.8468180133487
362	235	173522	-132681.1413	946837.3172020766	39.47436631306591	-01.2692064	004814.328673205	4371877.623057308	3347.3857214121953	3176.181951	3084.960338836132	3082.01253713271077	91.2019112	94.06235465783902
363	235	173523	-132021.1413	946837.3172020766	39.4743756514041	-01.266897	005015.36733638	4371873.56657938	3348.08907844288	3174.928589924274	3084.524758208464	3080.503005882385	90.4038313	93.8428892303535
364	235	173524	-131361.1413	946837.3172020766	39.47438457207579	-01.264533	005216.4054438257	4371869.510333233	3344.7617598217145	3173.88221750022	3084.317655528806	3081.072817898227	89.36351162719674	92.6094895370459
365	235	173525	-130701.1413	946837.3172020766	39.474393496725958	-01.2621875	005423.465690811	4371861.129478734	3338.10213678913	3172.841243931193	3083.9184523012953	3080.627698361593	89.36351162719674	92.6094895370459
366	235	173526	-130041.1413	946837.3172020766	39.474402405529034	-01.2598596	005618.4802511657	4371861.3948603	3340.127625379435	3171.2006113621837	3084.112301244848	3082.688531938187	87.0833011733582	88.5119742326507
367	235	173527	-129381.1413	946837.3172020766	39.4744113220487	-01.2575929	005819.58173693431	4371857.34289447	3340.501067974733	3169.95056097939	3083.49951979665	3083.1890021151	85.45540801727386	86.7690584492767
368	235	173528	-128721.1413	946837.3172020766	39.4744201484259	-01.2551861	006020.5542973715	4371853.287440134	3338.642779	3168.7047020802183	3081.851653754078	3082.194698728084	86.8530483	86.5100035231394
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370	235	173530	-127401.1413	946837.3172020766	39.47443766575005	-01.2505127	006422.6276	4371845.17279936	3334.9059916443	3166.188073365917	3077.344736358117	89.7812185302312	88.84337700747447	89.36351162719674
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372	235	173532	-126081.1413	946837.3172020766	39.47445537067	-01.2458593	006824.700113009	4371837.07697852	3331.357995912583	3164.82168334487	3075.82565403183	3075.82565403183	85.4313163471	87.042141175194
373	235	173533	-125421.1413	946837.3172020766	39.474463360329914	-01.2435025	007025.736913457	4371833.01332833	3329.61338837832	3162.355101090056	3068.894022631929	3071.9851441178553	86.0107027712756	90.3695779119115
374	235	173534	-124761.1413	946837.3172020766	39.474472158777175	-01.2411558	007226.7719823562	4371828.9593771	3327.86880839678	3161.061542579674	3066.54207068307	3066.54207068307	85.4191351136704	89.994231052016857
375	235	173535	-124101.1413	946837.3172020766	39.474480669180835	-01.2388291	007427.80586678	4371824.9054327365	3326.024692376026	3159.76247303179	3064.42325895288	3060.0832444102965	85.33884047881098	89.67922686025198
376	235	173536	-123441.1413	946837.3172020766	39.47448913445164	-01.2364924	007628.8499442245	4371820.85169757	3324.07589190814782	3158.45126940096	3062.378396738613	3060.479113281876	85.2793020023428	88.92221561190903
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379	235	173539	-121461.1413	946837.3172020766	39.474514259401936	-01.2294822	008231.9841039185	4371808.69173742	3317.548424862062	3154.505152039883	3057.175279173577	3057.175279173577	84.722924314	86.6770852579392
380	235	173540	-120801.1413	946837.3172020766	39.47452254410873	-01.2271455	008432.982771993	4371804.63849607	3314.207981556227	3153.169912258758	3055.731353	3056.996457364319	84.738594098481	86.173544943369
381	235	173541	-120141.1413	946837.3172020766	39.47453078367611	-01.2248088	008634.0172460171	4371800.586159961	3312.070989158522	3151.82529680433	3054.18269180878	3054.18269180878	85.7878432475505	85.7878432475505
382	235	173542	-119481.1413	946837.3172020766	39.47453897810404	-01.222472	008835.05153273966	4371795.53680046	3307.532271134548	3150.4731905976423	3052.672690236523	3052.672690236523	85.6069813142565	86.173544943369
383	235	173543	-118821.1413	946837.3172020766	39.47454717329523	-01.2201363	009036.085623433	4371792.481409313	3304.655771349843	3149.01153039012	3050.273734034114	3050.273734034114	85.379379958785	86.6770852579392
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385	235	173545	-117501.1413	946837.3172020766	39.474563367091968	-01.2154818	009438.132610975	4371784.377261648	3300.337746913573	3146.364327216484	3048.793776910734	3048.793776910734	84.921541175194	86.6770852579392
386	235	173546	-116841.1413	946837.3172020766	39.47457130442111	-01.2131265	009639.1868104934	4371780.326	3299.421297595083	3144.97414840096	3047.77134264138	3050.80914580290	84.921541175194	86.6770852579392
387	235	173547	-116181.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
469	235	173629	-62061.14133	946837.3170250766	39.47507909799679	-101.0191754	326234.3404042302	4731444.767783501	3148.3826145578925	3012.8944853973913	2942.9842917427736	2950.6456683709876	69.11903965513966	62.247917026925734
470	235	173630	-61401.14133	946837.3170250766	39.47506332010245	-101.0161868	326255.39945723915	4731440.733860493	3151.5321346990534	3011.4897647036487	2942.6361144271996	2949.445109113976	68.4534559226112	62.04403559226112
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472	235	173632	-60081.14133	946837.3170250766	39.47509162882277	-101.0121635	326927.39625404464	4731426.660699855	3148.6845289595164	3008.68216025715	2941.526240324096	2945.96948288818	67.15951722530554	62.7123119689721
473	235	173633	-59421.14133	946837.3170250766	39.47509575175602	-101.0098283	327128.4154388843	4731428.63222208	3145.763284	3007.278680970715	2942.045899316009	2942.31306992125	66.85278156306276	63.06561095871262
474	235	173634	-58761.14133	946837.3170250766	39.47509975175602	-101.0074916	327329.4234266917	4731424.59532098	3142.7880391307635	3005.8749497793406	2939.4129420971562	2943.7268541329213	66.4862768218432	62.14805696417845
475	235	173635	-58101.14133	946837.3170250766	39.4751035233136	-101.0051548	327350.4500588666	4731426.596229217	3143.458698210536	3004.40571571441	2938.318158467421	2940.3903593540766	66.15241013401962	61.812021336326526
476	235	173636	-57441.174133	946837.3170250766	39.475107704785714	-101.0028811	327371.4674677565	4731416.533439858	3147.742855004473	3003.0651192124974	2938.946940457936	2940.9454174568282	66.11817875456154	62.1106476666915
477	235	173637	-56781.174133	946837.3170250766	39.4751161090771	-101.0004665	327482.4897476785	4731412.5007958947	3147.42867138013	3002.028913847267	2938.54467378652	2941.10291926432	66.11817875456154	62.1106476666915
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479	235	173639	-55461.14133	946837.3170250766	39.47511967730095	-100.9958078	328354.5194284596	4731404.346132313	3157.19766055074	2998.832598933174	2932.240080370526	2934.7785455159154	65.8321556254828	64.05474937752676
480	235	173640	-54801.14133	946837.3170250766	39.47512306843043	-100.993471	328535.5365347561	4731400.340144451	3154.67477074566	2997.41565784689	2931.292343521055	2931.05456418696	65.874557083035	66.3654673699335
481	235	173641	-54141.14133	946837.3170250766	39.47512678399019	-100.9911343	328736.5535133155	4731396.327304067	3152.15729516466	2995.82320119593	2929.6401143971725	2927.6158404377855	66.3422057242066	66.3654673699335
482	235	173642	-53481.14133	946837.3170250766	39.47513046440399	-100.9887975	328937.5695074821	4731392.340720254	3149.637112427157	2994.5092482347	2928.677367347314	2924.54059841750518	65.8674557083035	66.3654673699335
483	235	173643	-52821.14133	946837.3170250766	39.47513406969799	-100.9864047	329138.5861310801	4731388.30930483	3147.3137350674047	2993.699731	2927.6677802076956	2924.67598438018	65.81195114204218	66.3654673699335
484	235	173644	-52161.14133	946837.3170250766	39.47513769892595	-100.984124	329339.6023903157	4731384.278121104	3145.1871769245438	2991.64526839955	2926.654791889575	2923.572764933756	65.710725346	66.3654673699335
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486	235	173646	-50841.14133	946837.3170250766	39.4751434680185	-100.9794504	329741.6344515985	4731376.216373515	3140.934051425078	2988.703439202806	2924.732853194424	2918.008041212483	63.9573079	66.3654673699335
487	235	173647	-50181.14133	946837.3170250766	39.4751481893967	-100.9771137	329942.65007190157	4731372.18581728	3138.5534432236237	2987.241606477513	2924.096676821655	2917.282377909123	63.1160019655884	69.32237173862816
488	235	173648	-49521.14133	946837.3170250766	39.47515150891793	-100.9747769	330143.66576774186	4731368.15546281	3135.818795132327	2985.71440822622	2923.743451551497	2916.665407265	62.96246774204	69.16295479
489	235	173649	-48861.14133	946837.3170250766	39.47515496340685	-100.9724402	330344.6811982472	4731364.12521623	3134.281359201083	2984.203690495897	2922.90085464643	2915.36474177101	62.830548125238	68.83921950819467
490	235	173650	-48201.14133	946837.3170250766	39.47515826710133	-100.9701034	330545.6946362157	4731360.053696723	3134.648524867114	2982.562057198703	2921.94353568457	2914.164084	62.802796154846	68.852157361
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492	235	173652	-46881.14133	946837.3170250766	39.4751675856784	-100.9654299	330947.7264990476	4731352.03140445	3123.64275521904	2979.60425445301	2918.18705056088	2914.465615717422	62.4169187921292	68.117173387903
493	235	173653	-46221.14133	946837.3170250766	39.47516796974813	-100.9630391	331148.74127102416	4731348.00682954	3120.81973907835	2978.70677858427	2921.211273652815	2911.635558369238	62.836404045145346	66.41201201
494	235	173654	-45561.14133	946837.3170250766	39.47517111	-100.9607563	331349.75587793434	4731339.977727717	3116.014821293445	2976.4784770335336	2921.41268067137	2912.094363158551	65.0657963639626	64.3841173849263
495	235	173655	-44901.14133	946837.3170250766	39.47517420262945	-100.9584196	331550.77032074303	4731334.88387366	3115.582633825466	2974.896032119595	2921.854709220325	2911.635558369238	65.0657963639626	64.3841173849263
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497	235	173657	-43581.14133	946837.3170250766	39.4752013052714	-100.9537387	331958.7981667536	4731330.69815674	3041.476271020739	2969.8525373167	2921.205729	2913.184710011144	62.74309477021	68.852157361
498	235	173658	-42921.14133	946837.3170250766	39.47520565277	-100.9514031	332137.619666077	4731326.05981564	3108.40537576124	2970.08449449956	2920.35287767243	2913.07426977243	65.0657963639626	64.3841173849263
499	235	173659	-42261.14133	946837.3170250766	39.47518512020315	-100.9490725	332354.824550606	4731323.83340363	3097.8299184078	2968.4293916587108	2920.7347691933	2917.98232179889	65.0657963639626	64.3841173849263
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501	235	173661	-40941.14133	946837.3170250766	39.475191855467	-100.944399	332756.853524447	4731315.77943011	3081.659819430064	2965.100336768775	2924.274340379252	2916.98232179889	65.0657963639626	64.3841173849263
502	235	173662	-40281.14133	946837.3170250766	39.47519459326245	-100.9420622	332957.866427128	4731311.752	3071.5515159131	2963.40824327043	2919.827682943566	2916.98232179889	65.0657963639626	64.3841173849263
503	235	173663	-39621.14133	946837.3170250766	39.47519732572796	-100.9397254	333158.8800809573	4731307.257168454	3061.0871062	2961.6942291151	2919.827682943566	2916.98232179889	65.0657963639626	64.3841173849263
504	235	173664	-38961.14133	946837.3170250766	39.47520013052714	-100.9374887	333359.890552283	4731303.69815674	3054.176271020739	2959.8525373167	2921.205729	2913.184710011144	62.74309477021	68.852157361
505	235	173665	-38301.14133	946837.3170250766	39.47520265277	-100.9350159	333560.9568931275	4731299.67134665	3047.018102103065	2958.18263297181	2920.35287767243	2913.07426977243	65.0657963639626	64.3841173849263
506	235	173666	-37641.14133	946837.3170250766	39.47520525	-100.9327151	333761.9185195504	4731295.64471021	3037.615741945676	2956.40016485617	2906.05497156166	2909.6114130876	65.0657963639626	64.3841173849263
507	235	173667	-36981.14133	946837.3170250766	39.47520789401828	-100.9303784	333962.931081598	4731291.61834557	3025.1880778521	2954.591759588207	2903.975830356327	2908.63523993923	65.0657963639626	64.3841173849263
508	235	173668	-36321.14133	946837.3170250766	39.4752103109456	-100.9280416	334163.943337319	4731287.592158208	3016.72619578299	2952.7619265362	2902.034261089212	2908.63523993923	65.0657963639626	64.3841173849263
509	235	173669	-35661.14133	946837.3170250766	39.47521277255676	-100.9257048	334364.955044782	4731283.566179185	3005.26431169396	2950.935914704457	2900.94629586056	2908.63523993923	65.0657963639626	64.3841173849263
510	235	173670	-35001.14133	946837.3170250766	39.47521518904565	-100.923381	334565.965102041	4731279.5407096	3000.804276171473	2949.0739898828	2900.94629586056	2908.63523993923	65.0657963639626	64.3841173849263
511	235	173671	-34341.14133	946837.3170250766	39.47521761960456	-100.9210368	334766.971564736	4731275.515	2999.825371693	2948.1807131804	2900.94629586056	2908.63523993923	65.0657963639626	64.3841173849263
512	235	173672	-33681.14133	946837.3170250766	39.47521918968456	-100.918345	334967.9913091536	4731271.49	2998.525371693	2946.4067856983	2900.94629586056	2908.63523993923	65.0657963639626	64.3841173849263
513	235	173673	-33021.14133	946837.3170250766	39.4752216742466	-100.916357								

ix	iy	x	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BR2ElevBothKgr.f	SatHtElev.f	SatHtBoth.f
595	23	17375	17375	X.17375	Y.17375	34.7525560015622	-100.72472426	351651.4214572189	4370938.109993263	2954.9546031397285	2722.8788251398482	2732.6366986444747	80.52174853357356
596	23	17376	17376	17376	17376	34.75254134524356	-100.72472426	351852.4033835875	4370934.101798135	2951.8458578967247	2721.8200343661244	2732.03855276954	81.17013149336574
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599	23	17379	17379	17379	17379	34.7524947	-100.71538955	352455.41630632395	4370922.079327472	2943.869442	2806.2305666907864	2724.8306756022616	81.39969917
600	23	17380	17380	17380	17380	34.7524782058866	-100.7130587	352564.41666037018	4370912.07249787	2943.869442	2806.2305666907864	2724.8306756022616	81.39969917
601	23	17381	17381	17381	17381	34.7524613	-100.710722	352587.41666037018	4370914.065	2943.869442	2806.2305666907864	2724.8306756022616	81.39969917
602	23	17382	17382	17382	17382	34.7524447	-100.7083852	353058.4194466016	4370910.05872914	2942.642125349845	2801.1806274887923	2721.112743	80.0678847912218
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615	23	17395	17395	17395	17395	34.75217710769225	-100.6780072	355671.3702522047	4370857.99107704	2911.979464987287	2778.3227728766544	2706.2452958773902	78.610425313001
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650	23	17390	17390	17390	17390	34.75127893393	-100.5962204	362706.1553309554	4370717.98274053	2875.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
721	235	173881	104258.85867307335	946837.3170250766	39.4747154843789	-100.430312	676796.2260436864	4704304.744	2742.4321699632246	2593.0373021441706	2515.40567887744574	2515.3296668104194	77.83162326971315	77.7074353735116
722	235	173882	104618.85867307335	946837.3170250766	39.4702789520307	-100.4279748	677177.20855420337	4704304.762300387	2740.3436865700957	2591.7816972636883	2516.4075131374416	2516.416201994277	75.3745412624473	75.36504706425922
723	235	173883	105278.85867307335	946837.3170250766	39.474701096548358	-100.426578	677878.1908398814	4704304.768083381	2741.6133009718823	2590.52381115985	2518.7254165897831	2518.7302659992684	72.78651153	72.78651153
724	235	173884	106283.85867307335	946837.3170250766	39.4746038295407	-100.423301	677579.1732122643	4704322.902723825	2745.36804130979748	2589.261130979748	2521.491858462322	2521.491858462322	67.76927123612589	67.45726582
725	235	173885	106808.85867307335	946837.3170250766	39.474686654209954	-100.4209643	677780.15536777873	4704718.810699212	2749.1228873742834	2587.962346334784	2524.05690606060605	2524.05690606060605	63.9363672739368	63.9363672739368
726	235	173886	107558.85867307335	946837.3170250766	39.47461927603696	-100.4186276	677981.13740662545	4704832.809922275	2752.8770567458242	2586.7137140286127	2524.292962	2524.292962	61.79044612825828	61.79044612825828
727	235	173887	108218.85867307335	946837.3170250766	39.47467185130249	-100.4162908	678182.1193290216	4704718.856180765	2757.2735994551771	2585.423714886175	2520.251165578241	2520.250960256017	63.43052032360858	63.43052032360858
728	235	173888	108788.85867307335	946837.3170250766	39.47466443	-100.4139541	678383.10113116124	4704046.857875167	2748.01460415926	2584.123940055653	2513.9488217054745	2513.9488217054745	70.1751191	70.1751191
729	235	173889	109538.85867307335	946837.3170250766	39.474659876836196	-100.411674	678584.0628522552	4704046.857875167	2747.876885797195	2582.812713781158	2507.355718335654	2507.355718335654	75.163076804496	75.163076804496
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732	235	173892	111518.85867307335	946837.3170250766	39.4746324790922	-100.404272	679187.0220129106	470390.95521645	2739.5885407120615	2578.80949682913	2495.571861820917	2494.666410510777	83.2376376199066	83.2376376199066
733	235	173893	112178.85867307335	946837.3170250766	39.47462663	-100.402074	679388.0084	4703786.57561245	2740.704706424105	2577.452205056954	2492.66882244565	2491.586566	83.85638104337	83.85638104337
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737	235	173897	114818.85867307335	946837.3170250766	39.4745955783503	-100.3929235	680191.9321987003	4703731.05900000	2734.677509157966	2571.908395513016	2492.4180733164767	2491.3884192791953	86.749786225	86.749786225
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9	236	173909	-365661.1431	947497.3170250766	39.47013863	-102.0940646	623858.642003077	4737358.14305118	3921.788119710108	3691.13386728842	3614.7787373363267	3615.0640151205143	76.0514986398922	76.0514986398922
10	236	173910	-365001.1431	947497.3170250766	39.47013863	-102.0917044	624039.75897756214	4737358.14305118	3922.788119710108	3691.13386728842	3614.7787373363267	3615.0640151205143	76.0514986398922	76.0514986398922
11	236	173911	-364341.1431	947497.3170250766	39.47021358419843	-102.089381	624241.765126576	4737355.705016155	3921.2599910416487	3687.132020787073	3609.8608387833035	3609.786700903187	75.523339086776	75.523339086776
12	236	173912	-363681.1431	947497.3170250766	39.470238479055965	-102.0870317	624401.995065263	4737351.6193571	3907.457118409751	3685.921155086567	3607.67218409751	3607.85415458326	78.067090809559	78.067090809559
13	236	173913	-363021.1431	947497.3170250766	39.470238479055965	-102.0846953	624612.11285478	4737350.48809974	3904.855282673586	3684.705634	3605.6829515740837	3605.685394306146	79.0226824547615	78.84023456945828
14	236	173914	-362361.1431	947497.3170250766	39.470238479055965	-102.082358	624844.2291075305	4737350.48809974	3903.851983791338	3683.485115952925	3603.699673790902	3603.699673790902	79.581931960814	79.581931960814
15	236	173915	-361701.1431	947497.3170250766	39.4703128285845	-102.0800225	625045.3457337026	4737349.28852871	3988.859127447165	3682.261032676884	3601.8951226854287	3601.8951226854287	80.360188125568	80.360188125568
16	236	173916	-361041.1431	947497.3170250766	39.47037307817845	-102.077681	625246.462072458	4737348.508241404	3985.04320407125	3681.031810278153	3600.08219300575	3600.08219300575	80.956476004496	80.956476004496
17	236	173917	-360381.1431	947497.3170250766	39.47037307817845	-102.0753497	625447.578198307	4737348.508241404	3987.18716699521	3679.978719	3598.48362964567	3598.416671343828	81.31856522719026	81.31856522719026
18	236	173918	-359721.1431	947497.3170250766	39.470369004542945	-102.0730133	625648.694073048	4737348.508241404	3984.96359678006	3678.58889239376	3597.07224169434	3596.951767195383	81.8896507	81.8896507
19	236	173919	-359061.1431	947497.3170250766	39.47041148	-102.0706729	625849.860142262	4737348.508241404	3984.200576573	3677.31479520396	3595.88964746275	3595.88964746275	82.14284987090559	82.14284987090559
20	236	173920	-358401.1431	947497.3170250766	39.470436013271666	-102.0683405	626050.9429253143	4737348.508241404	3982.214393240537	3676.05196	3594.94902028246	3594.94902028246	83.115273931641	83.115273931641
21	236	173921	-357741.1431	947497.3170250766	39.4704605196734	-102.0660041	626250.0398288774	4737344.58717203	3980.2279306118344	3674.091879705693	3593.9442777142058	3593.9442777142058	80.81450296370127	80.81450296370127
22	236	173922	-357081.1431	947497.3170250766	39.4704605196734	-102.063677	626453.1457703847	4737340.73433923	3986.24146798614	3673.546153855657	3593.79434439594	3593.79434439594	80.81450296370127	80.81450296370127
23	236	173923	-356421.1431	947497.3170250766	39.4704605196734	-102.0613405	626654.2601703847	4737340.73433923	3988.24146798614	3673.546153855657	3593.79434439594	3593.79434439594	80.81450296370127	80.81450296370127
24	236	173924	-355761.1431	947497.3170250766	39.4705336777825	-102.058949	626855.3853761015	4737340.73433923	3986.24146798614	3673.546153855657	3593.79434439594	3593.79434439594	80.81450296370127	80.81450296370127
25														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatElev.ft	SatBoth.ft
107	136	14007	-300881.1413	947497.3170250766	39.47238796622698	-101.8650678	253546.97877423663	473130.1730787314	3743.8256117016667	3556.1028884175603	3422.44476335132883	3415.5025620154524	133.6581189	141.600318402210786
108	136	14008	-300321.1413	947497.3170250766	39.47241825850502	-101.8627131	253748.0718576259	473130.1662758629	3742.312515838199	3554.803550724057	3420.344939861651	3411.6039108207549	134.43861521075496	140.9424620882506
109	136	14009	-299661.1413	947497.3170250766	39.472436871	-101.860348	253849.1648575486	473130.1607972429	3742.804190714314	3553.502784866116	3418.58830282584	3409.548724325472	134.91447841328844	138.39898066312884
110	136	14010	-299001.1413	947497.3170250766	39.47245967461845	-101.8585052	254150.25792400406	473130.1674734662	3743.2862341112655	3549.8686575291497	3416.86865756682	3402.10360411735	135.3296969229758	150.09626711741475
111	136	14011	-298341.1413	947497.3170250766	39.47247967454056	-101.8557212	254351.3496477988	473130.1633204669	3743.1844409321343	3550.890282572526	3414.9919543356305	3406.029820386956	135.8983283063553	144.86046197624637
112	136	14012	-297681.1413	947497.3170250766	39.4725000628605	-101.8533852	254552.4418	473130.163265211	3743.1744049530203	3549.578662241809	3413.145845223556	3407.319475145198	136.43077194535	142.3578790664398
113	136	14013	-297021.1413	947497.3170250766	39.47252032898325	-101.8510486	254753.6326226277	473130.15429383	3743.180291547494	3548.28261142647	3407.024500871406	3406.959065795217	136.959065795217	141.33276027124095
114	136	14014	-296361.1413	947497.3170250766	39.47254068437734	-101.8487121	254964.62562257903	473130.1505287918	3742.112171574678	3546.936735	3409.6334756871715	3404.35344368043	137.3232964690837	141.5832922
115	136	14015	-295701.1413	947497.3170250766	39.472560976	-101.8463768	255155.1766354684	473130.1496829689	3742.90018494314	3545.8115770836248	3407.776885922943	3400.21458420292	137.8354911513129	138.39898066312884
116	136	14016	-295041.1413	947497.3170250766	39.47258113193534	-101.844039	255356.1077705334	473130.18775303	3742.166954020405	3544.2817600571057	3405.9261455017078	3399.54714042895	138.35615555339	144.7830185624104
117	136	14017	-294381.1413	947497.3170250766	39.472601288024315	-101.8417025	255557.8887567591	473130.0793293815	3742.4337204184873	3544.854788835299	3404.052016682539	3399.48311305631	138.8937712427601	143.462675789425
118	136	14018	-293721.1413	947497.3170250766	39.47262138969814	-101.839359	255758.9894351245	473130.07411180935	3742.7045938305745	3541.601369	3402.054854116725	3400.767764259596	139.546510219251	140.923602890547
119	136	14019	-293061.1413	947497.3170250766	39.472641464781816	-101.8370294	255960.07889103254	473130.06315788	3742.730175170118	3540.2467035606205	3400.16759159749	3400.277955314	139.5479118008715	136.0089028042165
120	136	14020	-292401.1413	947497.3170250766	39.47266148546035	-101.8346929	256161.170026344	473130.0567523466	3742.257381070714	3538.879993	3398.328038578956	3400.148130263002	139.545186441823435	129.771489978908
121	136	14021	-291741.1413	947497.3170250766	39.47268181600534	-101.8323563	256362.29966056373	473130.06274779157	3727.203083	3536.296889412792	3398.5268898945206	3400.8424881825463	140.96959247625652	133.65875120244584
122	136	14022	-291081.1413	947497.3170250766	39.47270131416172	-101.8300198	256563.349641662	473130.054038127	3725.146984020000	3536.094642850005	3394.9705462879095	3390.39079313365	141.12891799731005	139.7084947163537
123	136	14023	-290421.1413	947497.3170250766	39.47272128	-101.8276382	256764.3410708865	473130.043322998	3725.638330869567	3534.67700277311823	3393.827914879835	3390.284902975194	140.84908429334746	144.4280817979884
124	136	14024	-289761.1413	947497.3170250766	39.4727411168362	-101.8253467	256965.52831962705	473130.035036	3721.6903320397717	3533.222606070078	3393.328791858024	3387.6995075173045	139.83266212502735	145.2525252753735
125	136	14025	-289101.1413	947497.3170250766	39.47276911849036	-101.8230101	257166.16712919607	473130.021955323	3719.737025525967	3531.722620240801	3393.5716184904236	3390.6781186140204	138.1510035357653	140.7465034306074
126	136	14026	-288441.1413	947497.3170250766	39.4727806617272	-101.8206736	257367.70602437216	473130.011320283	3718.73172414424	3530.1730053052142	3393.5498257147324	3390.056211564734	136.62131795904817	136.1169081879048
127	136	14027	-287781.1413	947497.3170250766	39.4728003666666	-101.818337	257568.7945169907	473130.007026212	3715.197174098193	3528.580201826665	3392.792683506193	3394.135775931406	135.78931832064563	134.1842403352432
128	136	14028	-287121.1413	947497.3170250766	39.47282002607775	-101.8160005	257789.780740481	473130.003604265	3711.1979003	3526.966267185948	3391.8686062165955	3393.49435845987	135.78014051023948	133.6248103404368
129	136	14029	-286461.1413	947497.3170250766	39.47283975959165	-101.7996465	257977.4498510156	473130.001473229	3708.471584192788	3525.839165016272	3391.110292638	3391.110292638	135.78014051023948	133.6248103404368
130	136	14030	-285801.1413	947497.3170250766	39.47285909834374	-101.8113273	258172.0585530124	473130.05691499	3705.51157556794	3523.698272490778	3389.140496656537	3385.517022697348	134.5457895	138.1812497329225
131	136	14031	-285141.1413	947497.3170250766	39.472878730418182	-101.8089098	258373.0149639005	473130.021584	3704.41732594703	3522.048383505467	3387.91899583318	3382.269271248924	134.279336721488	139.7232104
132	136	14032	-284481.1413	947497.3170250766	39.47289821317532	-101.8065542	258574.23390771	473130.0147834306	3702.369675282306	3520.39135664853	3385.9234320030514	3380.27893981048	134.46792464548162	140.1121468403366
133	136	14033	-283821.1413	947497.3170250766	39.47291764711481	-101.8043177	258775.32049411484	473130.01373202084	3701.7827910221855	3384.6012475365674	3380.2685700726142	3380.2685700726142	134.46792464548162	140.1121468403366
134	136	14034	-283161.1413	947497.3170250766	39.472937035920275	-101.8018911	258976.40726912586	473130.0094847153	3700.2862841855467	3517.0600606325293	3383.30772382751	3381.8080253881827	133.752732404077823	135.25178568371656
135	136	14035	-282501.1413	947497.3170250766	39.47295637959165	-101.7996465	259177.4498510156	473130.001473229	3698.964041391539	3515.3889658382633	3381.8080253881827	3381.8080253881827	133.752732404077823	135.25178568371656
136	136	14036	-281841.1413	947497.3170250766	39.47297576182892	-101.797308	259378.5801599053	473130.00944174	3697.050370569549	3513.7162037185909	3381.8080253881827	3381.8080253881827	133.752732404077823	135.25178568371656
137	136	14037	-281181.1413	947497.3170250766	39.47299495133208	-101.7949714	259579.66630125666	473130.05527394	3695.2403273882793	3512.043727783389	3378.5021011330168	3372.84654596327624	133.52351139022085	139.17731501007
138	136	14038	-280521.1413	947497.3170250766	39.47301413980104	-101.7926348	259780.7501701815	473130.051261863	3693.430283963904	3510.372256548304	3376.604232	3367.603425279216	133.76802465249057	142.7690017558088
139	136	14039	-279861.1413	947497.3170250766	39.473033302935754	-101.790283	259981.83780148355	473130.04743753	3691.65180400578	3508.7303466114014	3374.183548187427	3368.3577838751637	134.52008924397456	140.3586273604645
140	136	14040	-279201.1413	947497.3170250766	39.47305242093622	-101.7879617	260182.9231958584	473130.0448315	3689.904897495615	3507.039125956978	3371.881905295436	3367.198579591637	135.15728730263208	139.560116633445
141	136	14041	-278541.1413	947497.3170250766	39.473071493802438	-101.7856251	260384.0085334082	473130.04502693	3688.155704917324	3505.380493779324	3368.30866170012	3364.2941251766283	135.06716927051057	141.0836886029908
142	136	14042	-277881.1413	947497.3170250766	39.47309052154328	-101.783298	260585.93274152	473130.04132028	3686.417158419278	3503.7710292638	3367.110292638	3367.110292638	135.15728730263208	139.560116633445
143	136	14043	-277221.1413	947497.3170250766	39.4731095403117784	-101.780952	260786.177584882	473130.034502962	3684.777642195121	3502.08194272206	3364.366676287473	3361.519172784796	133.71526599334857	140.6627695272968
144	136	14044	-276561.1413	947497.3170250766	39.4731284159488	-101.7786154	260987.264065474	473130.0237184505	3683.004501040972	3501.630334010199	3361.630334010199	3361.630334010199	133.71526599334857	140.6627695272968
145	136	14045	-275901.1413	947497.3170250766	39.4731473332633	-101.7762788	261188.346815843	473130.012977515	3676.732765094591	3498.8199645856453	3358.366108509206	3351.756655542889	140.6627695272968	140.6627695272968
146	136	14046	-275241.1413	947497.3170250766	39.47316618111768	-101.7739423	261389.430694639	473130.00987174	3674.217918042154	3497.208299122454	3355.801410809327	3351.9170848937	140.6627695272968	140.6627695272968
147	136	14047	-274581.1413	947497.3170250766	39.473184838177354	-101.7716057	261590.5143318674	473130.00628102	3669.530246158306	3495.617283651472	3353.027434651472	3351.9218704151917	140.6627695272968	140.6627695272968
148	136	14048	-273921.1413	947497.3170250766	39.47320341041024	-101.7692919	261791.5874042383	473130.003604265	3665.690210436531	3494.053714771154	3350.771320971494	3350.771320971494	140.6627695272968	140.6627695272968
149	136	14049	-273261.1413	947497.3170250766	39.47322241498816	-101.7669465	261992.66118448182	473130.001473229	3663.847158419278	3492.17914935816	3348.46292919073	3348.46292919073	140.6627695272968	140.6627695272968
150	136	14050	-272601.1413	947497.3170250766	39.47324111854895	-101.7645959	262193.761441882	473130.01902895	3657.976539	3490.52785674928	3346.762050519347			

ix	iv	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRELEVLogKgr.f	BRELEVBothKgr.f	SatHtLogKgr.f	SatHtBoth.f
232	236	174133	-217821.1413	94.7497.3170250766	38.474633108371194	-101.5706557	778882.8572273465	4372603.934894849	3545.319608959281	37.912791920441681	3242.6223715523665	3251.9222175588643	320.2973493893246	120.9975983281683
234	236	174134	-217161.1413	94.7497.3170250766	38.47464786350005	-101.5683191	779083.9125236615	4372599.851110043	3545.889924141226	3371.128992485315	3242.5071495558226	3252.07123211927043	128.62034294270891	120.956085582718
236	236	174135	-216501.1413	94.7497.3170250766	38.47467691	-101.5658924	779284.9695284935	4372595.91908711	3545.3899661197447	3369.3201546549583	3243.683544963446	3256.437595454058	126.4367359544058	117.6458311003638
238	236	174136	-215841.1413	94.7497.3170250766	38.47467579884757	-101.5634557	779466.0486544008	4372591.68426024	3543.81973430637	3374.8183043673073	3243.8790347573105	3243.70764054058236	118.5469021728226	118.5469021728226
237	236	174137	-215181.1413	94.7497.3170250766	38.47469233846252	-101.561309	779687.11202865964	4372587.6011523961	3542.2495231419294	3365.7154128300435	3243.8964349462913	3245.3611287650433	121.81896348375221	120.8242932699828
238	236	174138	-214521.1413	94.7497.3170250766	38.47470703314182	-101.5589724	779888.1751865252	4372583.81525066	3540.7887716532071	3368.987048258778	3242.998187444643	3243.0693047377777	120.90051738124475	120.8240000881101
239	236	174139	-213861.1413	94.7497.3170250766	38.4747216268369	-101.5566357	780089.23812737106	4372575.94568844	3537.5020136737702	3362.0762022995486	3240.971811811387	3240.3426057606005	121.10438311840994	120.81734962354218
240	236	174140	-213201.1413	94.7497.3170250766	38.47473628708806	-101.554299	780290.3008516998	4372575.353092115	3533.7195290590915	3360.2478223574212	3237.940334790686	3238.3022334809438	121.0478756673529	121.94558807358291
241	236	174141	-212541.1413	94.7497.3170250766	38.47475084658485	-101.5518163	780491.3635978192	4372571.270825755	3527.9384454542928	3358.412561205984	3238.4070883776617	3237.04725895597	123.0547726262049	117.6458311003638
242	236	174142	-211881.1413	94.7497.3170250766	38.47475350442582	-101.5496256	780692.4255516213	4372567.18770111	3525.15330001256	3356.5954865743355	3237.58751747967	3237.031037368274	123.9175500362427	119.53854911446479
243	236	174143	-211221.1413	94.7497.3170250766	38.47477829475927	-101.547289	780893.8477264637	4372563.10628418	3520.113002018994	3354.72239	3229.938168135497	3236.601804025733	124.7834216805011	118.061158490205
244	236	174144	-210561.1413	94.7497.3170250766	38.47478423330096	-101.5445523	781094.545687966	4372559.05289997	3518.817045737022	3352.8729809382003	3227.4638184099335	3223.2615911007924	123.861952526673	119.61138983740784
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248	236	174148	-207921.1413	94.7497.3170250766	38.474851487377166	-101.5356055	781898.7948736945	4372542.700081124	3516.9656511337	3345.4510297029524	3218.863452	3217.954161600713	126.58757730152229	127.49661340293505
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261	236	174161	-199341.1413	94.7497.3170250766	38.47503258777786	-101.5052828	784512.5685119555	4372489.69693939	3497.518211536494	3321.58211536494	3199.793873587807	3202.167477473733	122.1602370863338	120.9424388513422
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275	236	174175	-190101.1413	94.7497.3170250766	38.47521989441789	-101.4724718	787326.988645438	4372432.670864538	3495.47735475767	3294.92735475767	3183.735492845473	3182.387117179494	121.056684399341	115.6244752147223
276	236	174176	-189441.1413	94.7497.3170250766	38.47523198354848	-101.4701874	787528.416562631							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatElevLogsKrg.	SatElevBoth.
329	174259	-134661.1413	947497.3170250766	39.47615192222809	-01.2762284	00424.5278648669	4372091.039070791	3408.04907805244	3179.776967391635	3087.216864575619	3083.7676828140156	326.10281801584	96.0092845761938	
330	174260	-134001.1413	947497.3170250766	39.476161109595484	-01.2738917	004416.316822596	4372086.981797359	3348.0842784550673	3178.473101960201	3085.929905571854	3084.91506530508	34.15404590713206	94.15404590713206	
331	174261	-133341.1413	947497.3170250766	39.47617219254267	-01.2715449	004617.3062908487	4372082.324733484	3347.1184784484906	3177.1848412723624	3086.086304	3082.890068112904	32.09382713372912	94.60434946137198	
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338	174268	-128721.1413	947497.3170250766	39.47623296724504	-01.2551975	006024.5158841419	4372054.31531572	3338.430358477453	3168.30598477453	3083.436248534738	3083.0753685905	84.6754494271523	84.6754494271523	
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367	174297	-109581.1413	947497.3170250766	39.47646892213912	-01.1874308	011854.589704039	4371937.09026895	3279.904904255522	3128.775737	3031.143634115462	3030.66505	97.94226435352248	97.33454132367576	
368	174298	-108921.1413	947497.3170250766	39.476476744221556	-01.185094	012055.629062478	4371933.96010854	3278.19832594979	3127.739003780754	3029.814952941676	3028.004671188772	97.94226435352248	97.33454132367576	
369	174299	-108261.1413	947497.3170250766	39.476484221771166	-01.1827572	012256.660702692	4371928.91150406	3275.711102555038	3125.759993597045	3028.4504906122315	3027.579693591563	97.94226435352248	97.33454132367576	
370	174300	-107601.1413	947497.3170250766	39.47649163879914	-01.1804204	012457.69145067467	4371924.62605817	3274.0312943906458	3124.2363148730147	3026.944787510046	3026.944787510046	97.94226435352248	97.33454132367576	
371	174301	-106941.1413	947497.3170250766	39.47650035640984	-01.1779897	012659.3804393154	4371919.18191787	3272.323640211891	3123.224640211891	3025.944787510046	3026.944787510046	97.94226435352248	97.33454132367576	
372	174302	-106281.1413	947497.3170250766	39.47650823629723	-01.1757408	012859.7523145395	4371916.74359313	3270.65365600494	3121.147324986488	3024.348426730254	3025.944787510046	97.94226435352248	97.33454132367576	
373	174303	-105621.1413	947497.3170250766	39.476511347934474	-01.17341	013060.7852422397	4371912.71169223	3262.91472031913	3119.5828259382624	3023.23707376913	3025.944787510046	97.94226435352248	97.33454132367576	
374	174304	-104961.1413	947497.3170250766	39.476518708885926	-01.1710732	013261.8154023216	4371908.69108554	3260						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	BREIEvLogKrg.f	SurfElev	W.Lt.		
486	236	174385	-51501.14133	94.7497	31.70250766	39.769654091613216	-0.00817917	32954.65439895047	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
486	236	174386	-50841.14133	94.7497	31.70250766	39.7696579155977	-0.00394549	32945.670170171338	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
486	236	174387	-50181.14133	94.7497	31.70250766	39.769659656754	-0.0077181	32955.685496756	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
486	236	174388	-49421.14133	94.7497	31.70250766	39.7696645602754	-0.0074713	32960.71010264899	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
486	236	174389	-48661.14133	94.7497	31.70250766	39.76967205248765	-0.0072445	33034.7162	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
490	236	174390	-48021.14133	94.7497	31.70250766	39.76971139921875	-0.00701076	33054.91732845199	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
491	236	174391	-47541.14133	94.7497	31.70250766	39.7697441416578	-0.00677708	33070.76166032	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
492	236	174392	-46881.14133	94.7497	31.70250766	39.7697764	-0.0065434	33091.7609	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
493	236	174393	-46221.14133	94.7497	31.70250766	39.769806627961	-0.00630972	33112.76452225	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
494	236	174394	-45561.14133	94.7497	31.70250766	39.769836602781	-0.00607504	33133.798224875	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
495	236	174395	-44901.14133	94.7497	31.70250766	39.76986706968175	-0.00584235	33154.804713214	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
496	236	174396	-44241.14133	94.7497	31.70250766	39.7699018202671	-0.00560687	33175.81807122547	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
497	236	174397	-43581.14133	94.7497	31.70250766	39.7699311161341	-0.00537499	33196.8320035852	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
498	236	174398	-42921.14133	94.7497	31.70250766	39.7699606985829	-0.00514131	33217.8547364679	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
499	236	174399	-42261.14133	94.7497	31.70250766	39.7699898296129	-0.00490762	33238.859060777	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
500	236	174400	-41601.14133	94.7497	31.70250766	39.7700185092248	-0.00467384	33259.8727	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
501	236	174401	-40941.14133	94.7497	31.70250766	39.7700463734718	-0.00444026	33270.8595629984	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
502	236	174402	-40281.14133	94.7497	31.70250766	39.7700745	-0.00420568	33291.8991327447	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
503	236	174403	-39621.14133	94.7497	31.70250766	39.770101836651	-0.00397289	33312.9120552244	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
504	236	174404	-38961.14133	94.7497	31.70250766	39.770137134963	-0.00373921	33333.9248121514	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
505	236	174405	-38301.14133	94.7497	31.70250766	39.7701551360164	-0.00350563	33354.9374064404	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
506	236	174406	-37641.14133	94.7497	31.70250766	39.7701710711555	-0.00327185	33375.945889817	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
507	236	174407	-36981.14133	94.7497	31.70250766	39.770186920789	-0.00303807	33396.961872196	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
508	236	174408	-36321.14133	94.7497	31.70250766	39.7702031950574	-0.00280448	33416.9772	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
509	236	174409	-35661.14133	94.7497	31.70250766	39.7702183118999	-0.00257078	33438.9816730963	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
510	236	174410	-35001.14133	94.7497	31.70250766	39.7702304713274	-0.00233712	33459.99594548105	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
511	236	174411	-34341.14133	94.7497	31.70250766	39.7702404197336	-0.00210343	33477.0100808464	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
512	236	174412	-33681.14133	94.7497	31.70250766	39.7702574539129	-0.00186975	33497.0210466101	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
513	236	174413	-33021.14133	94.7497	31.70250766	39.7702732650789	-0.00163607	33519.05197713	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
514	236	174414	-32361.14133	94.7497	31.70250766	39.7702902746204	-0.00140239	33540.0737443	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
515	236	174415	-31701.14133	94.7497	31.70250766	39.770345313556	-0.00116781	33565.0544254835	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
516	236	174416	-31041.14133	94.7497	31.70250766	39.7704159900611	-0.00093502	33587.0653077578	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
517	236	174417	-30381.14133	94.7497	31.70250766	39.770437	-0.00070134	33597.0776	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
518	236	174418	-29721.14133	94.7497	31.70250766	39.7704575496205	-0.00046766	33617.0864800619	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
519	236	174419	-29061.14133	94.7497	31.70250766	39.7704776523076	-0.00023397	33637.998627366	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
520	236	174420	-28401.14133	94.7497	31.70250766	39.7704973350516	-0.00000029	33659.01071517347	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
521	236	174421	-27741.14133	94.7497	31.70250766	39.7705165032129	-0.00976661	33681.1170453079	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
522	236	174422	-27081.14133	94.7497	31.70250766	39.7705332517049	-0.00953232	33699.129613543	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
523	236	174423	-26421.14133	94.7497	31.70250766	39.770553486771	-0.00929924	33718.136620596	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
524	236	174424	-25761.14133	94.7497	31.70250766	39.7705713942295	-0.00906556	33738.1461836279	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
525	236	174425	-25101.14133	94.7497	31.70250766	39.770588788325	-0.00883188	33758.1558026533	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
526	236	174426	-24441.14133	94.7497	31.70250766	39.7706057	-0.00859819	33778.166191783	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	72.6642121416022
527	236	174427	-23781.14133	94.7497	31.70250766	39.770622629354	-0.00836453	33798.178069568	4731581.470216899	314.2220641993999	2909.199056816613	2925.7995781693603	2917.5334846024527	64.39944874725264	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SurfElev.ft	SatThBoth.ft
73	236	174637	11478.85867307335	947497.3170250766	39.7640842118254	-100.3929134	380195.9312012606	4370572.2470611963	372.0209900380475	257.295634770137	2487.8224675387655	2485.941807267023	84.7316723173146	86.3538270311419
736	236	174638	11478.85867307335	947497.3170250766	39.764054542099	-100.390576	380396.893635946	4370568.26840179	372.0448997581216	257.06619330474	2493.63243232959	2492.548930484443	78.37126264238745	78.37126264238745
739	236	174639	11478.85867307335	947497.3170250766	39.7636365841675	-100.3882286	380507.873865446	4370564.2898454218	372.06767515672794	256.948197876164	2494.246937809828	2492.667178709828	75.1818597875117	75.1818597875117
740	236	174640	11478.85867307335	947497.3170250766	39.7636365841675	-100.3850031	380786.8541739113	4370561.31701581	372.0806506	256.7812562799616	2495.704778	2495.8151402150183	72.72674871	72.16611606449325
1	237	174641	-370941.1413	948157.3170250766	39.7177483240268	-102.1127646	322233.8319951844	4373758.394237163	391.73695891801114	3697.853103236757	3626.1975389901527	3623.66895768544	71.65565643924630	71.38420756103278
2	237	174642	-370281.1413	948157.3170250766	39.71800179196414	-102.1104281	323434.9518316524	4373754.261197367	391.813676446807	3623.1267435149343	3623.6689145075673	73.31054393324539	73.31054393324539	73.31054393324539
3	237	174643	-369621.1413	948157.3170250766	39.7182548086051	-102.1080917	323636.07140283246	4373750.128959759	392.801626485476	3695.503727315849	3621.00452123616	74.45592210384756	74.5031276065287	74.5031276065287
4	237	174644	-368961.1413	948157.3170250766	39.7185073739503	-102.105753	323837.19078082612	4373745.965794935	392.817668686125	3624.325553414899	3618.789063490347	75.3648992	75.6132136665712	75.6132136665712
5	237	174645	-368301.1413	948157.3170250766	39.7179849799655	-102.1034186	323938.3097501487	4373741.863352296	392.833975651847	3615.444073836884	3616.852664136884	76.1818597875117	76.1818597875117	76.1818597875117
6	237	174646	-367641.1413	948157.3170250766	39.7191011507459	-102.1010284	323928.4285268083	4373737.731162031	392.8405125634855	3691.960257829066	3614.605519606293	77.354771765377	77.354771765377	77.354771765377
7	237	174647	-366981.1413	948157.3170250766	39.7192662302035	-102.098746	323440.54783875538	4373733.599116421	392.8254831036137	3690.771671538634	3613.3738464291755	79.110455823	79.2601598730672	79.2601598730672
8	237	174648	-366321.1413	948157.3170250766	39.7195131223582	-102.0964095	323641.665266546	4373729.467418579	391.08915507741	3689.578823621054	3612.249825229707	77.2295832239659	77.2295832239659	77.2295832239659
9	237	174649	-365661.1413	948157.3170250766	39.71976343121476	-102.0940731	323842.7837032027	4373725.33865387	391.5299770118677	3681.881983277885	3610.979130568177	78.1283008242646	78.1283008242646	78.1283008242646
10	237	174650	-365001.1413	948157.3170250766	39.7200132887205	-102.0917366	324043.900902260	4373721.20452338	391.72707896599	3687.179434394344	3609.58492685988	79.05490257209955	79.05490257209955	79.05490257209955
11	237	174651	-364341.1413	948157.3170250766	39.7202626950294	-102.0894002	324245.0184464882	4373717.03396022	390.8149732671261	3685.97144880440	3608.758470242521	77.98972657	77.81297659521283	77.81297659521283
12	237	174652	-363681.1413	948157.3170250766	39.7205116499671	-102.0870637	324446.13563031274	4373712.94247843	390.809161130086	3684.758035824736	3606.25144437196	78.004058847184	78.004058847184	78.004058847184
13	237	174653	-363021.1413	948157.3170250766	39.72076015364394	-102.0847273	324647.25256980582	4373708.811775986	390.801498858173	3683.5405588712274	3604.3569831879754	78.03394769285	78.03394769285	78.03394769285
14	237	174654	-362361.1413	948157.3170250766	39.7210082059998	-102.0823908	324848.36923347293	4373704.68124464	390.8099216047764	3682.3719994334578	3602.43192261615	79.0066113727631	79.0066113727631	79.0066113727631
15	237	174655	-361701.1413	948157.3170250766	39.7212558070395	-102.0800544	325049.48563821958	4373700.551005214	389.6763611289083	3680.05999930155	3600.584629714463	79.0334318600517	79.0334318600517	79.0334318600517
16	237	174656	-361041.1413	948157.3170250766	39.721500568062	-102.0777179	325250.601780325	4373706.42038289	389.34238834968	3679.858246892213	3598.782431457033	79.05847231791057	79.05847231791057	79.05847231791057
17	237	174657	-360381.1413	948157.3170250766	39.721753815	-102.0753815	325451.717659077	4373702.291	398.92116154727	3678.620786904213	3596.9999116360827	79.0826752679387	79.0826752679387	79.0826752679387
18	237	174658	-359721.1413	948157.3170250766	39.7219955022659	-102.073045	325652.8332760011	4373697.161	390.5495342470874	3677.0207027271	3595.321272	79.09523356891664	79.09523356891664	79.09523356891664
19	237	174659	-359061.1413	948157.3170250766	39.7222395799968	-102.070786	325849.426910011	4373693.92881282	391.694597158377	3675.981458718837	3594.830911788377	79.10326931838297	79.10326931838297	79.10326931838297
20	237	174660	-358401.1413	948157.3170250766	39.7224874027851	-102.0683721	326055.037226635	4373679.902793481	398.750918858173	3674.875403139476	3592.645750567904	79.110455823	79.110455823	79.110455823
21	237	174661	-357741.1413	948157.3170250766	39.7227319360202	-102.0660356	326256.1785541014	4373675.73787971	390.8705227386866	3673.614338782248	3591.75239287377	79.11697959084757	79.11697959084757	79.11697959084757
22	237	174662	-357081.1413	948157.3170250766	39.7229763779503	-102.0636992	326457.293127399	4373671.64494721	395.364198858173	3672.345741363038	3591.11491352738	79.12342501035458	79.12342501035458	79.12342501035458
23	237	174663	-356421.1413	948157.3170250766	39.7232203885751	-102.0613627	326658.0474239195	4373667.516413727	398.9922463277931	3671.069045564537	3590.641232486316	79.1305297117119	79.1305297117119	79.1305297117119
24	237	174664	-355761.1413	948157.3170250766	39.7234639078942	-102.0590262	326859.5215	4373663.380844983	392.940796083427	3669.785240118143	3590.298432775962	79.13680321686103	79.13680321686103	79.13680321686103
25	237	174665	-355101.1413	948157.3170250766	39.7237099999968	-102.0566988	327063.92699999968	4373659.29881478	391.694597158377	3668.25819364687	3589.09028	79.142692394088	79.142692394088	79.142692394088
26	237	174666	-354441.1413	948157.3170250766	39.7239543261254	-102.0543324	327264.779322108	4373654.131044473	397.9550534467	3667.1031791478	3589.04873083697	79.151427111171	79.151427111171	79.151427111171
27	237	174667	-353781.1413	948157.3170250766	39.7242191810018	-102.0520168	327462.862590519203	4373651.004212172	390.810449342040	3665.898026077777	3584.86467142484	79.15887381790153	79.15887381790153	79.15887381790153
28	237	174668	-353121.1413	948157.3170250766	39.7244833552109	-102.0496804	327663.9750562018	4373646.87692354	388.5015517066830	3664.58680200523	3580.7002384693265	79.16390873119669	79.16390873119669	79.16390873119669
29	237	174669	-352461.1413	948157.3170250766	39.72474634838586	-102.0473439	327865.0870191252	4373642.74384747	388.8589481785664	3663.7028989567346	3576.868473046816	79.16842268905294	79.16842268905294	79.16842268905294
30	237	174670	-351801.1413	948157.3170250766	39.72499156663045	-102.0450074	328066.20092077933	4373638.62	388.411747251307	3661.943815104705	3573.454094889143	79.17346492718772	79.17346492718772	79.17346492718772
31	237	174671	-351141.1413	948157.3170250766	39.7252158046547	-102.0426708	328267.216226826	4373634.495044014	388.862719987326	3660.006537205765	3571.320598441765	79.1784636125995	79.1784636125995	79.1784636125995
32	237	174672	-350481.1413	948157.3170250766	39.7254395725917	-102.040341	328469.426910011	4373630.36979819	391.7445569816	3659.25819364687	3567.65013670895	79.1836035620313	79.1836035620313	79.1836035620313
33	237	174673	-349821.1413	948157.3170250766	39.7256534530457	-102.037998	328669.53692920326	4373627.32427283	395.0083841927	3657.9003841927	3565.126751950237	79.1887357258343	79.1887357258343	79.1887357258343
34	237	174674	-349161.1413	948157.3170250766	39.7258744792022	-102.0356615	328870.6474850028	4373622.11062748	396.7876230227	3656.530992165032	3562.65839136097	79.19386268320577	79.19386268320577	79.19386268320577
35	237	174675	-348501.1413	948157.3170250766	39.72611305420664	-102.033325	329071.7588309563	4373617.88999313	387.615114215351	3655.12055620734	3560.449312905719	79.19897407265715	79.19897407265715	79.19897407265715
36	237	174676	-347841.1413	948157.3170250766	39.7263511778196	-102.0309885	329272.868911959	4373613.86170884	387.3707404002862	3653.767115588216	3558.419192547596	79.204058847184	79.204058847184	79.204058847184
37	237	174677	-347181.1413	948157.3170250766	39.7265888501212	-102.028652	329473.8054500663	4373609.73860747	386.958977028946	3652.366481953487	3556.901019	79.2092637170015	79.2092637170015	79.2092637170015
38	237	174678	-346521.1413	948157.3170250766	39.7268260711103	-102.026315	329675.090907342	4373605.611632762	386.760905301335	3650.96025720385	3555.026696979716	79.2144636125995	79.2144636125995	79.2144636125995
39	237	174679	-345861.1413	948157.3170250766	39.72707478817968	-102.0240691	329876.98999999968	4373601.78161536	386.5849830915985	3649.2134473691487	3553.998291015985	79.21967959084757	79.21967959084757	79.21967959084757
40	237	174680	-345201.1413	948157.3170250766	39.72729915911503	-102.021628	329973.31017876192	4373597.3300219	386.6958698618046	3648.1195383067834	3552.9623980734	79.225451605455	79.225451605455	79.225451605455
41	237	174681	-344541.1413	948157.3170250766	39.72753352619966	-102.0193601	330074.2406613							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLogKrg.f	SatHtBoth.f
123	1473	-290421.1413	948157.3170250766	39.474534026291536	-01.82777088	256768.55502638235	4373255.279005526	3724.389069120155	35.034034789056565	3392.0710125789674	3389.69472635824	141.9339617266882	144.3396174838162
124	1474	-289761.1413	948157.3170250766	39.47453366944335	-01.8253722	256989.6440171567	4373251.621826402	3722.244771781312	35.3216140711482917	3391.4711596	3389.1149672429487	141.9247468198164	143.9349103952073
125	1475	-289101.1413	948157.3170250766	39.47453366246233	-01.8263056	257170.7326776145	4373251.645848119	3728.100474665949	35.3113826398152498	3392.5751841527	3389.61446769918	138.6503939817156	138.6791231719087
126	1476	-288441.1413	948157.3170250766	39.4745341284541	-01.820699	257371.4212783981	4373243.408107765	3715.971377826263	35.29588587797426	3393.330373105075	3395.67686	136.1862004693251	133.9097250338267
127	1477	-287781.1413	948157.3170250766	39.47461311809351	-01.8183624	257572.90968427503	4373239.302	3715.2053364727653	35.27967488075433	3392.4398502081146	3395.9365280044637	135.47579852742877	132.1051957629126
128	1478	-287121.1413	948157.3170250766	39.474632778206704	-01.8160258	257773.97805859575	4373235.19522216	3711.8475181988865	35.263627815987857	3391.241380311896	3390.307369004525	135.12149126888932	130.4621350033318
129	1479	-286461.1413	948157.3170250766	39.4746323318487	-01.8136892	257975.0853725667	4373231.08931732	3708.490558525003	35.24778045585235	3389.839528004625	3395.1390935438687	134.8338517520614	126.5381121265481
130	1479	-285801.1413	948157.3170250766	39.47467196	-01.8113525	258176.172925395	4373221.983193709	3705.1331827152073	35.232067817036529	3388.3454736506897	3395.3199893267103	134.72633267143393	127.76843140679739
131	1477	-285141.1413	948157.3170250766	39.4746814877265	-01.8090158	258377.2602382645	4372222.871493621	3700.981521859887	35.21440727855115	3387.040614584566	3386.487004	134.3910772501018	135.6537248117107
132	1477	-284841.1413	948157.3170250766	39.47471097308994	-01.8056793	258578.3471444398	4373218.77208182	3702.035365122984	35.19784716282397	3385.11313841343	3382.53525561348	134.67733249382443	137.2520216058918
133	1477	-283821.1413	948157.3170250766	39.47473040174677	-01.8043427	258779.34511510764	4373214.6567	3701.0896545781813	35.1811271144807683	3383.7439246756694	3383.31888059694	135.72138850584275	
134	1477	-283161.1413	948157.3170250766	39.47474910104937	-01.8020061	258980.5207495887	4373215.561668574	3700.143702723778	35.164476030216	3382.376676250277	3384.617274121433	134.0867977993196	131.8507518879028
135	1477	-282501.1413	948157.3170250766	39.47476913521672	-01.7996694	259181.6070958886	4373206.458518972	3698.63509	35.15147714238272	3380.930101074762	3380.964467622092	134.08640713079637	129.4764467603421
136	1477	-281841.1413	948157.3170250766	39.47478843248794	-01.7973328	259382.693213755	4373205.32174829	3696.619348271872	35.13129798103183	3379.1450297117376	3382.686214371037	134.084762839453	125.4413763737216
137	1477	-281181.1413	948157.3170250766	39.47480789	-01.7949862	259593.7791164622	4373198.2471751395	3694.398458028054	35.11462765397256	3377.962678710806	3377.962678710806	134.07911802005	133.49989182165873
138	1477	-280521.1413	948157.3170250766	39.47482686907075	-01.7926596	259784.8647635512	4373184.143328994	3692.55082777221	35.097397594343037	3375.452180700187	3372.552793542405	134.34507373428493	137.2446680983622
139	1477	-279861.1413	948157.3170250766	39.474846605314	-01.7903229	259985.95017324083	4373190.03820084	3690.960146682613	35.088134994	3373.057896218476	3378.01774231763	135.07760428706206	137.3232464871271
140	1477	-279201.1413	948157.3170250766	39.47486517902381	-01.7879863	260187.035346023	4373185.93572405	3689.660158571034	35.064747150962187	3370.8036510204256	3368.4959786034724	135.0733994911673	137.9811723587145
141	1477	-278541.1413	948157.3170250766	39.4748845237908	-01.7856497	260388.1202819582	4373181.832747	3688.41112327007	35.0448254073286057	3368.39803004744	3365.03280446291	136.4363873238617	139.7826590251473
142	1478	-277881.1413	948157.3170250766	39.4749032058976	-01.7833131	260589.2048105444	4373177.72876205	3687.11607638795	35.03184093543237	3366.327952415167	3365.8524341	141.5698706189568	
143	1478	-277221.1413	948157.3170250766	39.474907289437601	-01.7809764	260790.2894374764	4373173.62560702	3684.960102294814	35.01542262636677	3363.698037543071	3363.69803798792	137.844250936575	143.2315715568675
144	1478	-276561.1413	948157.3170250766	39.47494120163162	-01.7786398	260981.376071755	4373169.52567339	3681.806614211512	34.9912607191907	3360.434271059959	3358.88812293337	138.45026856027397	145.0246855267397
145	1478	-275901.1413	948157.3170250766	39.4750153053584	-01.7762823	261292.458666712975	4373201.43584198	3679.3632720341	34.97813189844927	3358.267893691689	3358.267893691689	138.72954115804154	138.5502725053386
146	1478	-275241.1413	948157.3170250766	39.47497894212209	-01.7739665	261393.541450719	4373161.21280245	3675.496845614713	34.96674079393107	3355.33669500291	3350.38373795278	135.01339852097	145.4879147178278
147	1478	-274581.1413	948157.3170250766	39.47497774466387	-01.7716299	261594.6283493492	4373157.067473	3672.0714901597785	34.9580885335513	3353.170534501832	3349.232187105865	141.9283218317913	145.8666924769633
148	1478	-273921.1413	948157.3170250766	39.4750165206991	-01.7692932	261795.70821738846	4373153.12972268	3668.3711900511227	34.933153136	3350.9625611081887	3348.05805286739	142.54897448471138	148.6684503021604
149	1478	-273261.1413	948157.3170250766	39.47503521430224	-01.7669566	261996.7912655941	4373149.011	3664.07889994435	34.91186183771033	3349.0247460314363	3341.6696149687123	143.5671373595963	135.0156680232018
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151	1479	-271941.1413	948157.3170250766	39.47507250343605	-01.7622833	262398.49665712975	4373140.907827817	3658.878936981687	34.8826789369346	3346.22287789982	3345.22287789982	145.72954115804154	148.6684503021604
152	1479	-271281.1413	948157.3170250766	39.47501980336384	-01.7599477	262600.9308761704	4373137.976201578	3657.04736201578	34.87140291532046	3345.75405342046	3345.75405342046	145.935302434603	141.4296434600322
153	1479	-270621.1413	948157.3170250766	39.47510961206339	-01.75761	262801.12111020257	4373132.605621575	3652.20395	34.86023851417996	3342.35650570222	3347.6011557058714	146.64583451457747	128.4012294359814
154	1479	-269961.1413	948157.3170250766	39.4751280865447	-01.7552734	263002.202853292	4373128.50478549	3648.44488515739	34.8445521311467473	3341.2645040799233	3350.347737074092	143.2889003557676	129.0131580726256
155	1479	-269301.1413	948157.3170250766	39.475146540109066	-01.7529367	263203.2846	4373124.04160645	3646.4882701139786	34.831191758147318	3340.2396090662805	3345.76348367067	142.8796908834027	133.9050512443687
156	1479	-268641.1413	948157.3170250766	39.47516493642875	-01.7506001	263404.3603379534	4373120.303741752	3643.339476037452	34.817203619475	3339.226402862755	3343.146181267593	143.5561264574545	136.55011865407
157	1479	-267981.1413	948157.3170250766	39.4751832678175	-01.7483534	263605.440720452	4373116.20354467	3640.193672	34.800120749082575	3338.7149831921024	3338.7149831921024	144.18428773455798	148.6684503021604
158	1479	-267321.1413	948157.3170250766	39.47520153053584	-01.7460923	263806.5824791247	4373112.103554401	3637.0417	34.77812718954127	3337.7189504923	3337.7189504923	145.198225505386	
159	1479	-266661.1413	948157.3170250766	39.475219855169814	-01.7435991	264007.608851044	4373108.0037744865	3635.00413299843	34.775430474878593	3337.292125312675	3337.292125312675	145.2509194554918	158.150478329696
160	1480	-266001.1413	948157.3170250766	39.475238035378	-01.7412355	264208.6984292828	4373103.904204136	3634.212353776382	34.76418343	3333.9289046497474	3338.1932107440584	142.25452521438274	157.791251235459
161	1480	-265341.1413	948157.3170250766	39.47525624099246	-01.7389168	264409.76867074204	4373099.804847104	3633.756746031393	34.747316567160934	3332.4399541624125	3324.905467343904	143.72099090669	149.913692001252
162	1480	-264681.1413	948157.3170250766	39.47527343664984	-01.7365802	264610.8496796446	4373095.70517335	3632.538954732209	34.735043513718288	3330.8308092765424	3324.358445427404	142.6735420952864	141.14590944426
163	1480	-264021.1413	948157.3170250766	39.47529486881125	-01.7342345	264811.9246591951	4373091.606768834	3629.692474348479	34.7218519793273	3328.87517327555	3325.66521686004	134.311885551752	136.159107723292
164	1480	-263361.1413	948157.3170250766	39.47531040529108	-01.7319936	265035.0109005987	4373087.508043587	3624.8304991499992	34.7082341100654	3327.134147803267	3341.174070309267	142.7479662797716	128.7090638133584
165	1480	-262701.1413	948157.3170250766	39.475329721718475	-01.7297238	265236.0842984125	4373082.429841257	3622.93429841257	34.6973429841257	3326.429841257	3340.429841257	142.7020249808285	
166	1480	-262041.1413	948157.3170250766	39.4753464114205	-01.7273236	265415.1673937093	4373131.3120825	3615.12342025073	34.68638085	3325.63454552973	3342.1791626256	144.673059032192	128.7090638133584
167	1480	-261381.1413	948157.3170250766	39.47536432	-01.7248969	265616.24624299153	4373075.21341298	3612.46159741265	34.670739359384	3322.252277253593	3341.4483265706	142.6816658703908	135.7124876273414
168	1480	-260721.1413	948157.3170250766	39.475382171647546	-01.7225602	265817.324606876	4373071.11526297	3610.8583244310945	34.6583244310945	3321.248028589927	3317.957146486617	144.5	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatHtLog.f	SatHtBoth.f
237	174889	-207261.1413		948157.3170250766	39.47667850012519	-101.5332871	282103.943789774667	4372739.8879158525	356.3530902167585	3243.260272484826	3216.5337198484085	3215.2599495073243	72.6655263441764	128.00032702759182
250	237	174890	-206601.1413	948157.3170250766	39.47666255351605	-101.5309054	282305.001352028	4372735.703337378	3516.477040601075	3341.397635975218	3214.74474856158363	3214.396164208416	126.6528914133819	127.70014755543765
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256	237	174896	-202641.1413	948157.3170250766	39.47677662594228	-101.5169299	283511.3671446067	4372731.328	3501.20201901509	3330.1412403240466	3206.93878466155	3210.9567857499	125.15230238743106	118.5456456907734
257	237	174897	-201981.1413	948157.3170250766	39.476790463359804	-101.5145883	283712.4205824986	4372730.248	3498.5373179627467	3328.2482914956565	3200.5578176765276	3210.86529134242	124.699477407873607	118.3630123813193
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267	237	174907	-195381.1413	948157.3170250766	39.476926354879495	-101.4912256	285722.9974696415	4372666.49934849	3476.6114424158524	3308.79264308455	3196.7991215765624	3192.274184841287	115.9935273718925	116.5184639716642
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292	237	174932	-178881.1413	948157.3170250766	39.47724633514381	-101.4328063	290749.3479347191	4372564.19272768	3443.94370728837	3270.15594305135	3147.113981928091			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BREIElevKgr.ft	BREIElevKgr.ft	SurfElev.ft	SurfElev.ft
375	237	175015	-12401.1413	948157.3170250766	39.47810635022808	-101.238851	307435.9278976884	4732227.390443348	317.22772082336	315.980869099042	3064.1035384043535	3069.4470643560687	94.88507150468688	89.641555297546
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378	237	175018	-122121.1413	948157.3170250766	39.478131611898526	-101.231805	308039.0322	473215.235748641	3315.165682721222	3155.766821222	3068.730119683713	3068.774865283176	96.433575750873	86.3900219002949
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380	237	175020	-120801.1413	948157.3170250766	39.478148227303656	-101.2271668	308411.106681713	4732107.122000143	3318.496789379123	3152.541748006114	3065.5829134934324	3065.7812448662896	81.74023213577504	84.7307543766245343
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382	237	175022	-119481.1413	948157.3170250766	39.47816466214182	-101.2224831	308843.168749499	4732190.016099995	3317.237161451317	3149.828194883501	3062.50296458348	3071.4732523716204	97.3252302515292	78.3549425118762
383	237	175023	-118821.1413	948157.3170250766	39.47817281184825	-101.2201563	309044.2024083417	4732194.983449838	3316.413201246255	3148.4741952168915	3061.1637845834758	3064.0086416168683	97.31044152311597	84.4655430505241
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385	237	175025	-117501.1413	948157.3170250766	39.47818897585377	-101.2154828	309465.2897168157	4732195.87652435	3305.18266814425	3145.700514554045	3048.137105917036	3050.2401121474336	97.60354546767394	95.5003331196089
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390	237	175030	-114201.1413	948157.3170250766	39.47822859522249	-101.2037884	310451.4329068997	4732166.000811532	3291.455050070908	3138.743816482136	3040.5925149047617	3041.983965871214	98.7598097099059	96.7598097099059
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393	237	175033	-112221.1413	948157.3170250766	39.47825182611197	-101.1967878	311054.5287266463	4732154.48656841	3287.7740067881212	3134.43419877249	3036.10418358324	3037.0091012988228	98.33079202	97.42920528
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402	237	175042	-106281.1413	948157.3170250766	39.47831907393125	-101.1757562	312863.8060767329	4732118.03083675	3267.01712862638	3120.9393979224433	3023.076246309519	3021.49999184716944	97.86315161292441	95.04401732057439
403	237	175043	-105621.1413	948157.3170250766	39.47832672818426	-101.173484	313064.8366377008	4732114.058327027	3264.0781338613834	3119.3797652159015	3020.816229281815	3020.816229281815	98.06670162568608	95.06670162568608
404	237	175044	-104961.1413	948157.3170250766	39.4783335797964	-101.1710925	313265.863679031	4732110.906381917	3261.12711338903	3118.8058953433	3019.70827100555	3020.777706171694	97.40277706171694	95.10277706171694
405	237	175045	-104301.1413	948157.3170250766	39.47834086	-101.1687457	313466.8960504843	4732105.8358964	3259.703844164767	3116.22033848553	3018.7582922374365	3020.46339212181	97.30437561116557	95.10669476737987
406	237	175046	-103641.1413	948157.3170250766	39.47834779593324	-101.1664088	313667.92541870836	4732101.81036178	3256.4713669402418	3114.626534381412	3017.030452193378	3020.3953435	97.101592210476315	95.10669476737987
407	237	175047	-102981.1413	948157.3170250766	39.47835348	-101.1640719	313868.9546947614	4732107.7622275	3254.08249329037	3113.016420379748	3016.203625702543	3020.2177551022995	97.101592210476315	95.10669476737987
408	237	175048	-102321.1413	948157.3170250766	39.47836188390164	-101.1617351	314069.93698948	4732093.7518724	3251.83952393603	3111.40234774903	3015.06287339011877	3020.06728103877	97.101592210476315	95.10669476737987
409	237	175049	-101661.1413	948157.3170250766	39.47836858940038	-101.1593982	314271.012566177	4732089.683624045	3248.598592329796	3109.780630329274	3014.06728264673	3020.06728264673	97.101592210476315	95.10669476737987
410	237	175050	-101001.1413	948157.3170250766	39.478375780278434	-101.1571614	314472.0412519517	4732085.329817419	3246.5925188371	3108.151704500173	3013.062538641357	3019.8546921640312	97.062538641357	95.10669476737987
411	237	175051	-100341.1413	948157.3170250766	39.4783826760933	-101.1547245	314673.069576382	4732081.574627045	3244.71166881071	3106.516078	3012.0671579314094	3018.704582095157	97.062538641357	95.10669476737987
412	237	175052	-99681.1413	948157.3170250766	39.4783955165902	-101.1523877	314874.0807966114	4732077.52769098	3240.049079610525	3104.8740933400213	3005.442283352913	3004.884797528436	97.062538641357	95.10669476737987
413	237	175053	-99021.1413	948157.3170250766	39.47839631204452	-101.1500508	315075.1262	4732073.41683783	3235.92071401375	3103.232813	3005.141681203472	3004.884797528436	97.062538641357	95.10669476737987
414	237	175054	-98361.1413	948157.3170250766	39.47840306234878	-101.147714	315276.1541836201	4732069.435490787	3231.804947	3101.562784677985	3004.793169546755	3003.63336476743	97.062538641357	95.10669476737987
415	237	175055	-97701.1413	948157.3170250766	39.478409767510854	-101.1453771	315477.1819647069	4732065.389552108	3228.339292721745	3099.890227597698	3004.3395111646355	3003.63336476743	97.062538641357	95.10669476737987
416	237	175056	-97041.1413	948157.3170250766	39.47841642753397	-101.1430043	315678.2096542006	4732061.34382071	3225.531941913536	3098.20461863757	3003.642816718714	3002.122719047004	97.062538641357	95.10669476737987
417	237	175057	-96381.1413	948157.3170250766	39.4784231711191	-101.1407184	315879.268627027	4732057.258188	3222.70274989	3097.0274989	3002.70274989	3001.70274989	97.062538641357	95.10669476737987
418	237	175058	-95721.1413	948157.3170250766	39.47842961	-101.1383605	316080.264327923	4732053.253	3219.519738052633	3094.8000011635705	3001.64283043764	3001.71670970004	97.062538641357	95.10669476737987
419	237	175059	-95061.1413	9										

ix	iy	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRElevKgrg.f	BRElevBothKgr.f	AsstElev.f	WtBoth.f
500	237	175141	-40941.14133	948157.3170250766	-39.78781753317579	-0.00444062	332764.9185415919	3371718.220598504	3082.6139809452734	2919.982890695914	2886.688490990414	44.33745478901851	77.6146394189107
502	237	175142	-40281.14133	948157.3170250766	-39.7882031052583	-0.00342693	332965.9331	3371714.193	3062.539053013774	2914.32063263957	2889.000000363957	48.21047384640145	73.5345297498174
503	237	175143	-39621.14133	948157.3170250766	-39.78863984151456	-0.00307594	333164.96545023	3371713.646	3069.535206794129	2949.851266987704	2896.63969396796	51.1490447967293077	77.6264837949393
504	237	175144	-38961.14133	948157.3170250766	-39.7887253094077	-0.00307593	333367.9567403619	3371716.138	3068.312605590282	2958.913806989385	2907.0871808220754	58.17809668475535	81.82666787308095
506	237	175145	-38301.14133	948157.3170250766	-39.788828373313654	-0.00350587	333568.961156375	3371717.166	3068.76888030999	2957.0745479016314	2904.35877863373	62.25776926789836	84.50826553509609
508	237	175146	-37641.14133	948157.3170250766	-39.7889307049017	-0.00327218	333769.9813290915	3371718.024	3063.722102030957	2955.2224153722336	2901.924569070897	68.29325741412597	83.91644979573989
507	237	175147	-36981.14133	948157.3170250766	-39.78883322523665	-0.00303849	333970.933809228	3371718.052	3061.07167919561	2953.362979	2899.7599037888794	68.292463295508736	83.603075508736
508	237	175148	-36321.14133	948157.3170250766	-39.788832941409	-0.00328048	334172.0052713396	3371718.016	3059.303439768593	2951.503283509089	2897.7913253072	68.2923968038742	83.71156820187722
509	237	175149	-35661.14133	948157.3170250766	-39.78893084151456	-0.00325711	334373.017005461	3371718.016	3057.535206794129	2949.851266987704	2896.63969396796	58.1490447967293077	77.6264837949393
510	237	175150	-35001.14133	948157.3170250766	-39.78849077165765	-0.00323742	334574.026867475	3371718.052	3055.769661611364	2947.81473278769	2894.4315530532187	68.29184523739827	83.603075508736
511	237	175151	-34341.14133	948157.3170250766	-39.7884327222703	-0.00210374	334775.0398761514	3371718.052	3053.636180034815	2946.0010904758597	2892.9823260594127	68.29052803746446975	85.47282135
512	237	175152	-33681.14133	948157.3170250766	-39.78845055452224	-0.00187005	334976.0152259965	3371718.072	3051.1428560642817	2944.215901	2891.9458674238335	68.29075501714716	85.268145664418655
513	237	175153	-33021.14133	948157.3170250766	-39.7884788672034	-0.00163638	335177.06230938184	3371718.072	3048.646592049451	2942.4626674894384	2890.697500478153	68.29262479145676	85.268145664418655
514	237	175154	-32361.14133	948157.3170250766	-39.7885102725325	-0.00140267	335378.0732	3371718.072	3046.156208132187	2940.156208132187	2888.766554734945	68.291367609138986	85.268145664418655
515	237	175155	-31701.14133	948157.3170250766	-39.7885231964129	-0.00118898	335579.0840018835	3371718.072	3044.00529339857	2939.69372272688	2886.96318822311	68.29061869950862	85.268145664418655
516	237	175156	-31041.14133	948157.3170250766	-39.7885446939718	-0.00093529	335780.094083724	3371718.072	3042.42456341424	2937.407062304355	2884.981568601585	68.29026504973061	85.268145664418655
517	237	175157	-30381.14133	948157.3170250766	-39.7885656998936	-0.00070161	335981.105052973	3371718.072	3040.76441964919	2935.78290332261	2882.8056673127508	68.29015982878164	85.268145664418655
518	237	175158	-29721.14133	948157.3170250766	-39.7885861544961	-0.00046792	336182.115342611	3371718.072	3038.106429254253	2933.182931199974	2880.904418163944	68.29018482423996	85.268145664418655
519	237	175159	-29061.14133	948157.3170250766	-39.78860663	-0.00024323	336383.12547126826	3371718.072	3037.029124960227	2932.60312906678	2879.4704757383342	68.29015982878164	85.268145664418655
520	237	175160	-28401.14133	948157.3170250766	-39.78862590939684	-0.00000054	336584.13544072805	3371718.072	3035.1406518380473	2931.0406518380473	2877.616799352267	68.29015982878164	85.268145664418655
521	237	175161	-27741.14133	948157.3170250766	-39.7886678510970034	-0.00087668	336785.1452514441	3371718.072	3032.0359789574186	2929.49461801172	2875.8259418230547	68.29015982878164	85.268145664418655
522	237	175162	-27081.14133	948157.3170250766	-39.78869531	-0.00085316	336986.154	3371718.072	3029.53405956115	2927.96134653971	2873.9322230244983	68.29015982878164	85.268145664418655
523	237	175163	-26421.14133	948157.3170250766	-39.78872425054	-0.00082612	337187.046745657	3371718.072	3026.54022315	2926.54022315	2872.96251484938	68.29015982878164	85.268145664418655
524	237	175164	-25761.14133	948157.3170250766	-39.788700020246	-0.00090579	337388.1373717096	3371718.072	3023.621181566080	2924.92232894404	2869.249306772067	68.29015982878164	85.268145664418655
525	237	175165	-25101.14133	948157.3170250766	-39.78871739660384	-0.00088321	337589.1829106203	3371718.072	3020.81168060499	2923.412417723161	2866.183028396219	68.29015982878164	85.268145664418655
526	237	175166	-24441.14133	948157.3170250766	-39.78873433975174	-0.00085941	337790.1919303514	3371718.072	3018.2229401746914	2921.9066279996528	2862.0903494178633	68.29015982878164	85.268145664418655
527	237	175167	-23781.14133	948157.3170250766	-39.7887588314682	-0.00083472	337991.2007935974	3371718.072	3016.045886054733	2920.403979330966	2858.078036013558	68.29015982878164	85.268145664418655
528	237	175168	-23121.14133	948157.3170250766	-39.78876667175036	-0.00081301	338192.20948685435	3371718.072	3013.5250037306	2918.9101698	2853.4090217821554	68.29015982878164	85.268145664418655
529	237	175169	-22461.14133	948157.3170250766	-39.7887889425054	-0.00078854	338393.2180470077	3371718.072	3011.371742631288	2917.871742631288	2851.821118627174	68.29015982878164	85.268145664418655
530	237	175170	-21801.14133	948157.3170250766	-39.78881767596	-0.00076175	338594.216605634	3371718.072	3009.501422315	2915.891596779533	2849.4612389533	68.29015982878164	85.268145664418655
531	237	175171	-21141.14133	948157.3170250766	-39.7888122840213	-0.00074297	338795.2346278338	3371718.072	3007.97614485215	2914.382676740535	2848.336684133867	68.29015982878164	85.268145664418655
532	237	175172	-20481.14133	948157.3170250766	-39.7888265185809	-0.00071928	338996.2427501983	3371718.072	3005.74352114696	2912.870230871214	2837.36922174044	68.29015982878164	85.268145664418655
533	237	175173	-19821.14133	948157.3170250766	-39.78884003170946	-0.00069259	339197.2506727257	3371718.072	3003.9811875730268	2911.353972684475	2835.82061645633	68.29015982878164	85.268145664418655
534	237	175174	-19161.14133	948157.3170250766	-39.788856334063	-0.00067289	339398.258435475	3371718.072	3002.48523458483	2909.833117551497	2836.121520312713	68.29015982878164	85.268145664418655
535	237	175175	-18501.14133	948157.3170250766	-39.7888695136715	-0.00064921	339599.2694853213	3371718.072	3000.6904085407	2908.380954171726	2835.7044346521893	68.29015982878164	85.268145664418655
536	237	175176	-17841.14133	948157.3170250766	-39.7888878425054	-0.00062612	339800.2735025215	3371718.072	2998.501422315	2907.871742631288	2834.6303290224983	68.29015982878164	85.268145664418655
537	237	175177	-17181.14133	948157.3170250766	-39.7888989159076	-0.00060273	340001.28080126543	3371718.072	2996.33643089842	2905.25143054522	2832.78527286032	68.29015982878164	85.268145664418655
538	237	175178	-16521.14133	948157.3170250766	-39.7889024458784	-0.00057944	340202.287447561	3371718.072	2994.3144968374	2903.719695720095	2830.491953577172	68.29015982878164	85.268145664418655
539	237	175179	-15861.14133	948157.3170250766	-39.7889135204175	-0.00055606	340403.2943320093	3371718.072	2992.308315907502	2902.1886651404448	2825.7193761744575	68.29015982878164	85.268145664418655
540	237	175180	-15201.14133	948157.3170250766	-39.7889241435251	-0.00053267	340604.3017668209	3371718.072	2990.310563723255	2900.657370872687	2824.73552286027	68.29015982878164	85.268145664418655
541	237	175181	-14541.14133	948157.3170250766	-39.78893943	-0.00050938	340805.3084547717	3371718.072	2988.3263117551497	2898.33117551497	2823.7845474342323	68.29015982878164	85.268145664418655
542	237	175182	-13881.14133	948157.3170250766	-39.7889493170303	-0.00048593	341006.3140703093	3371718.072	2986.51673709173	2897.50473030565	2826.34573672972	68.29015982878164	85.268145664418655
543	237	175183	-13221.14133	948157.3170250766	-39.788964325276	-0.00046257	341207.3246320183	3371718.072	2984.7048189891643	2895.8148189891643	2824.95421578621	68.29015982878164	85.268145664418655
544	237	175184	-12561.14133	948157.3170250766	-39.78897112163846	-0.00043901	341408.3275569163	3371718.072	2982.92227305173	2894.528473758215	2824.051027466787	68.29015982878164	85.268145664418655
545	237	175185	-11901.14133	948157.3170250766	-39.7889780475918	-0.00041582	341609.337191536	3371718.072	2980.17830073267	2892.99432236849	2820.9186039775327	68.29015982878164	85.268145664418655
546	237	175186	-11241.14133	948157.3170250766	-39.788978402109	-0.00039243	341810.3382818614	3371718.072	2978.104427	2891.459636430313	2818.834509	68.29015982878164	85.268145664418655
547	237	175187	-10581.14133	948157.3170250766	-39.788988565194	-0.00036995	342011.3458363577	3371718.072	2976.65519947513	2889.925129	2836.971172150035	68.29015982878164	85.268145664418655
548	237	175188	-9921.14133	948157.3170250766	-39.788992766483	-0.00034578	342212.35899592355	3371718.072	2974.8319286443	2888.90618185804	2835.457804941243	68.29015982878164	85.268145664418655
549	237	175189	-9261.14133	948157.3170250766	-39.789003470703	-0.00032257	342413.3564320183	3371718.072	2973.023129081505	2886			

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevKgr.f	SurfBoth.f	SatBoth.f	
627	1237	175267	42216.8586770335	948157.3170250766	39.47881203	-0.04695868	358091.32708556234	4731212.363000863	2886.252107130392	27.105103981206134	2699.1969238936076	2709.240816257875	57.81474422700583	47.76958554182829
628	1237	175268	42216.8586770335	948157.3170250766	39.47880911705797	-0.04674821	358292.32109751048	4731208.361454782	2882.667482215946	27.104274001565	2700.9113960376154	2708.3634064827678	57.420871963897714	46.74081353897714
629	1237	175269	42216.8586770335	948157.3170250766	39.47880616293922	-0.04654849	358493.3148720968	4731204.361981196	2878.0267182723687	27.1033492715985	2700.925076071188	2708.3634064827678	57.420871963897714	46.74081353897714
630	1237	175270	42216.8586770335	948157.3170250766	39.4788030316	-0.04634779	358694.30881184165	4731200.358983107	2875.4962323603033	27.1024136303033	2699.3574563403103	2699.3574563403103	57.420871963897714	46.74081353897714
631	1237	175271	42216.8586770335	948157.3170250766	39.47880011534151	-0.0461611	358895.30241472187	4731196.358	2872.882571503666	27.1014308306455	2698.5147178532057	2698.5147178532057	57.420871963897714	46.74081353897714
632	1237	175272	42216.8586770335	948157.3170250766	39.47879702443875	-0.04597241	359096.2958611675	4731192.35743321	2870.23275023398	27.10043885279929	2697.608585920296	2697.608585920296	57.420871963897714	46.74081353897714
633	1237	175273	42216.8586770335	948157.3170250766	39.4787938884329	-0.04578373	359297.2882128518	4731188.356834627	2869.588178550088	27.0994308306455	2696.5738211041307	2696.5738211041307	57.420871963897714	46.74081353897714
634	1237	175274	42216.8586770335	948157.3170250766	39.4787900743375	-0.04559304	359498.2840851266	4731184.35633374	2867.942870806817	27.0984308306455	2695.54109297515	2695.54109297515	57.420871963897714	46.74081353897714
635	1237	175275	42216.8586770335	948157.3170250766	39.47878616053104	-0.04540335	359699.2764864045	4731180.35438565	2866.202704849078	27.0974308306455	2694.5147178532057	2694.5147178532057	57.420871963897714	46.74081353897714
636	1237	175276	42216.8586770335	948157.3170250766	39.4787822602359	-0.04521366	359900.263940522	4731176.35653189	2864.42277501198	27.0964308306455	2693.48403034903	2693.48403034903	57.420871963897714	46.74081353897714
637	1237	175277	42216.8586770335	948157.3170250766	39.478778089	-0.04502397	360101.2611843422	4731172.36674238	2862.3054627631204	27.0954308306455	2692.45302265383	2692.45302265383	57.420871963897714	46.74081353897714
638	1237	175278	42216.8586770335	948157.3170250766	39.4787753133567	-0.04483429	360302.2538391806	4731168.35740298	2860.2834058024164	27.0944308306455	2691.4230787247	2691.4230787247	57.420871963897714	46.74081353897714
639	1237	175279	42216.8586770335	948157.3170250766	39.47877014247731	-0.04464459	360503.2643609872	4731164.35813856	2858.2596317948587	27.0934308306455	2690.396891736343	2690.396891736343	57.420871963897714	46.74081353897714
640	1237	175280	42216.8586770335	948157.3170250766	39.478770672475996	-0.04445491	360704.238747524	4731160.35918928	2856.246608495172	27.0924308306455	2689.3633055164	2689.3633055164	57.420871963897714	46.74081353897714
641	1237	175281	42216.8586770335	948157.3170250766	39.4787671753175	-0.04426422	360905.2310040222	4731156.360232481	2854.0545452284	27.0914308306455	2688.333945099547	2688.333945099547	57.420871963897714	46.74081353897714
642	1237	175282	42216.8586770335	948157.3170250766	39.4787633034458	-0.04407453	361106.231120004	4731152.362	2852.048188155994	27.0904308306455	2687.306891736343	2687.306891736343	57.420871963897714	46.74081353897714
643	1237	175283	42216.8586770335	948157.3170250766	39.47876004561448	-0.04388485	361307.215102914	4731148.36315908	2850.23858407488	27.0894308306455	2686.27434301084	2686.27434301084	57.420871963897714	46.74081353897714
644	1237	175284	42216.8586770335	948157.3170250766	39.47875641304152	-0.04369513	361508.206955023	4731144.36429671	2848.2514525639	27.0884308306455	2685.247624504654	2685.247624504654	57.420871963897714	46.74081353897714
645	1237	175285	42216.8586770335	948157.3170250766	39.4787527332562	-0.04350548	361709.1986723551	4731140.36608783	2846.2026	27.0874308306455	2684.218696542943	2684.218696542943	57.420871963897714	46.74081353897714
646	1237	175286	42216.8586770335	948157.3170250766	39.4787490124662	-0.04331578	361910.1962595024	4731136.36902638	2844.18454619206	27.0864308306455	2683.192607163935	2683.192607163935	57.420871963897714	46.74081353897714
647	1237	175287	42216.8586770335	948157.3170250766	39.47874524446516	-0.04312611	362111.187119102	4731132.3741031	2842.1637660417138	27.0854308306455	2682.167899641396	2682.167899641396	57.420871963897714	46.74081353897714
648	1237	175288	42216.8586770335	948157.3170250766	39.4787414312061	-0.04293641	362312.173	4731128.37493146	2840.1534960173857	27.0844308306455	2681.1534960173857	2681.1534960173857	57.420871963897714	46.74081353897714
649	1237	175289	42216.8586770335	948157.3170250766	39.47873767203316	-0.04274671	362513.16421882704	4731124.37629377	2838.1420874961937	27.0834308306455	2680.1420874961937	2680.1420874961937	57.420871963897714	46.74081353897714
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651	1237	175291	42216.8586770335	948157.3170250766	39.47872971202694	-0.04236734	362915.161969587	4731116.3831234	2834.12244653638	27.0814308306455	2678.12244653638	2678.12244653638	57.420871963897714	46.74081353897714
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654	1237	175294	42216.8586770335	948157.3170250766	39.4787176044531	-0.04179828	363518.118717299	4731104.39469173	2828.082185914794	27.0784308306455	2675.082185914794	2675.082185914794	57.420871963897714	46.74081353897714
655	1237	175295	42216.8586770335	948157.3170250766	39.47871387260216	-0.04160851	363719.10857260216	4731100.398112315	2826.07189561785	27.0774308306455	2674.07189561785	2674.07189561785	57.420871963897714	46.74081353897714
656	1237	175296	42216.8586770335	948157.3170250766	39.4787101021276	-0.04141881	363920.09838549	4731096.4023771	2824.06217891612	27.0764308306455	2673.06217891612	2673.06217891612	57.420871963897714	46.74081353897714
657	1237	175297	42216.8586770335	948157.3170250766	39.4787058101714	-0.04122915	364121.088975031	4731092.40680355	2822.0516169243348	27.0754308306455	2672.0516169243348	2672.0516169243348	57.420871963897714	46.74081353897714
658	1237	175298	42216.8586770335	948157.3170250766	39.4787017018186	-0.04103945	364322.0789779384	4731088.41515234	2820.04284266024	27.0744308306455	2671.04284266024	2671.04284266024	57.420871963897714	46.74081353897714
659	1237	175299	42216.8586770335	948157.3170250766	39.478696603730243	-0.04084975	364523.0688519733	4731084.416397341	2818.033121456123	27.0734308306455	2670.033121456123	2670.033121456123	57.420871963897714	46.74081353897714
660	1237	175300	42216.8586770335	948157.3170250766	39.4786921524439	-0.04066005	364724.058955142	4731080.42148665	2816.023803920017	27.0724308306455	2669.023803920017	2669.023803920017	57.420871963897714	46.74081353897714
661	1237	175301	42216.8586770335	948157.3170250766	39.47868775244565	-0.04047035	364925.042095654	4731076.42878195	2814.01450434401	27.0714308306455	2668.01450434401	2668.01450434401	57.420871963897714	46.74081353897714
662	1237	175302	42216.8586770335	948157.3170250766	39.47868330729286	-0.04028065	365126.043677184	4731072.43229628	2812.005187077895	27.0704308306455	2667.005187077895	2667.005187077895	57.420871963897714	46.74081353897714
663	1237	175303	42216.8586770335	948157.3170250766	39.47867877011162	-0.04009095	365327.02740821865	4731068.43977854	2810.00685163617	27.0694308306455	2666.00685163617	2666.00685163617	57.420871963897714	46.74081353897714
664	1237	175304	42216.8586770335	948157.3170250766	39.47867421581995	-0.03990124	365528.0162733096	4731064.43915959	2808.009334470506	27.0684308306455	2665.009334470506	2665.009334470506	57.420871963897714	46.74081353897714
665	1237	175305	42216.8586770335	948157.3170250766	39.4786697010096	-0.03971152	365729.005362739	4731060.45004123	2806.00195527558	27.0674308306455	2664.00195527558	2664.00195527558	57.420871963897714	46.74081353897714
666	1237	175306	42216.8586770335	948157.3170250766	39.4786652594565	-0.03952182	365929.993432636	4731056.45293138	2804.00461474602	27.0664308306455	2663.00461474602	2663.00461474602	57.420871963897714	46.74081353897714
667	1237	175307	42216.8586770335	948157.3170250766	39.47866084043675	-0.03933212	366130.9831744725	4731052.46291328	2802.0073369431763	27.0654308306455	2662.0073369431763	2662.0073369431763	57.420871963897714	46.74081353897714
668	1237	175308	42216.8586770335	948157.3170250766	39.478656586412069	-0.03914241	366331.9171884148	4731048.469603033	2800.011995573887	27.0644308306455	2661.011995573887	2661.011995573887	57.420871963897714	46.74081353897714
669	1237	175309	42216.8586770335	948157.3170250766	39.478652329286	-0.03895271	366532.941864434	4731044.47697784	2798.023803920017	27.0634308306455	2660.023803920017	2660.023803920017	57.420871963897714	46.74

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKgt.ft	BR/ElevBothKgt.ft	SatThObsg.ft	SatThBoth.ft
13	238	175393	-363021.1413	948817.3170250766	39.473888703277396	-102.08475693	234651.9931968629	4373910.1348427255	3988.4438243007835	3682.3657353529184	3603.1574425262247	3603.345808232471	79.028296269635	79.01992712044739
14	238	175394	-362621.1413	948817.3170250766	39.473913509148936	-102.0842248	234852.50964009044	4373906.04094293	3984.146442899639	3611.140522100392	3601.243596948373	3601.42148274512084	79.89953215827084	79.71903354664345
15	238	175395	-361701.1413	948817.3170250766	39.473926389587058	-102.0836672	235053.62822922672	4373901.87349847	3982.6711095160317	3609.1801985325157	3599.309011226636	3598.4272339446014	80.09118752587616	80.04781566771431
16	238	175396	-361041.1413	948817.3170250766	39.473926985498055	-102.0777498	235254.747052489	4373897.742324938	3984.071628042335	3678.674268027635	3597.427268027635	3597.42726804130034	81.25176555496864	81.247165404069872
17	238	175397	-360381.1413	948817.3170250766	39.47398765597552	-102.0754132	235455.8579626558	4373889.613124002	3986.3644580382795	3677.4336350974685	3595.432951341747	3595.4329487852106	82.00688375572255	82.0018613225983
18	238	175398	-359721.1413	948817.3170250766	39.47401128132153	-102.0730767	235656.9727905146	4373883.482225505	3987.1120481167	3676.1869957135286	3593.497518562748	3593.497518562748	82.67149899931801	82.67149899931801
19	238	175399	-359061.1413	948817.3170250766	39.47403836153604	-102.0707402	235858.08792244608	4373885.233695378	3986.68495806262	3674.934328419062	3591.6618190521667	3591.6618190521667	83.2726136623422	83.2726136623422
20	238	175400	-358401.1413	948817.3170250766	39.474061396618985	-102.0684037	236059.20729574608	4373881.224066073	3986.52857361024794	3673.675579055482	3590.133305378457	3590.133305378457	83.4227148	83.4227148
21	238	175401	-357741.1413	948817.3170250766	39.47408658957038	-102.0666672	236260.251470411386	4373817.9848058378	3987.404897272147	3672.404897272147	3589.0043168941262	3589.0043168941262	83.57255725774131	83.57255725774131
22	238	175402	-357081.1413	948817.3170250766	39.47411033139009	-102.0637207	236461.43174570373	4373782.96575457	3982.4871231295316	3671.135524219435	3588.216242633846	3588.216242633846	83.9125819	83.9125819
23	238	175403	-356421.1413	948817.3170250766	39.47413473107813	-102.0613941	236682.54653432042	4373868.839020275	3981.1906827280034	3669.853067103955	3587.6341879415527	3587.6341879415527	82.1887916240122	82.30631791021733
24	238	175404	-355761.1413	948817.3170250766	39.47415906558444	-102.0590576	236863.6595937248	4373864.708296641	3890.0007937314713	3668.562612014399	3587.024801	3587.024801	81.5378018721886	81.5378018721886
25	238	175405	-355101.1413	948817.3170250766	39.47418335059882	-102.0567211	237064.73722336692	4373860.579885393	3888.8095187401022	3667.263322616872	3586.192746963937	3586.192746963937	80.77736948939347	80.77736948939347
26	238	175406	-354441.1413	948817.3170250766	39.4742076935163	-102.0543485	237265.88652741798	4373855.451686574	3887.6162447487233	3665.96335544431	3584.4901679338177	3584.4901679338177	81.43756761053434	80.620799134545
27	238	175407	-353781.1413	948817.3170250766	39.474238178512455	-102.052048	237466.9959702467	4373852.323700179	3887.2016654172792	3664.66512408969	3583.4327624325594	3583.4327623717598	83.22233817613574	83.22233817613574
28	238	175408	-353121.1413	948817.3170250766	39.474256052541335	-102.0497115	237668.1124	4373846.195619919	3887.559878545426	3663.33964343783	3577.888319	3581.777195179506	81.4513240322289	81.5624792837897
29	238	175409	-352461.1413	948817.3170250766	39.47428018143825	-102.047375	237869.228473126	4373844.08364269	3887.91790274025	3662.016306	3574.3965108976986	3582.4087485181544	81.61979487269127	79.6075612523345
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31	238	175411	-351141.1413	948817.3170250766	39.47432803847897	-102.0427019	238271.480251112	4373835.31876641	3887.036564	3659.3427863646	3568.4468910837145	3568.4468910837145	79.1902722138834	79.1902722138834
32	238	175412	-350481.1413	948817.3170250766	39.474352297334965	-102.0403654	238472.5608998222	4373834.19582288	3884.199531614824	3657.9274699224991	3565.92123463671	3565.92123463671	80.9586056339835	80.7792004467622
33	238	175413	-349821.1413	948817.3170250766	39.474376745217266	-102.0380288	238673.674556528	4373827.560420257	3881.36250220307	3656.630960952305	3563.559575680826	3563.559575680826	79.028327614795	79.028327614795
34	238	175414	-349161.1413	948817.3170250766	39.474400148953364	-102.0359823	238874.7830725077	4373823.43740631	3878.524571295306	3655.2937326177821	3561.4561051549493	3561.4561051549493	80.8037236067896	80.62359488273911
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37	238	175417	-347181.1413	948817.3170250766	39.4744717586912	-102.0286826	239478.11583130452	4373809.693106976	3870.689310690776	3651.09403829363	3555.7793892473755	3586.641270159737	85.3110146251973	64.4491963039012
38	238	175418	-346521.1413	948817.3170250766	39.47449531057624	-102.0263461	239679.22602453048	4373806.93	3868.1362524574	3649.682653483592	3553.949241791189	3553.949241791189	81.3341169240346	66.399443171872
39	238	175419	-345861.1413	948817.3170250766	39.47451888915029	-102.0240096	239880.3359988475	4373800.80427884	3865.115174603424	3648.260248631378	3552.096800275247	3579.419167220696	86.1701428361302	68.846781109157
40	238	175420	-345201.1413	948817.3170250766	39.47454242059313	-102.021673	240081.44557573595	4373796.478921861	3861.636077078317	3646.8398172450043	3549.938411088152	3576.115446564414	86.90140615685232	70.7423707566283
41	238	175421	-344541.1413	948817.3170250766	39.47456697807807	-102.0198268	240280.55505790244	4373794.6198139	3859.126979638421	3645.4017674276673	3548.9398969897743	3548.9398969897743	79.2183732806701	79.2183732806701
42	238	175422	-343881.1413	948817.3170250766	39.4745917009002	-102.016999	240481.5328177778	4373792.43829824	3854.677887	3643.79020093095	3546.77490756625	3546.77490756625	74.7332147818926	74.7332147818926
43	238	175423	-343221.1413	948817.3170250766	39.47461134712455	-102.014663	240684.7312670436	4373786.305	3851.1349876705076	3642.498063033601	3545.002367	3561.480102104806	79.45569621102091	81.2207702897476
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45	238	175425	-341901.1413	948817.3170250766	39.47466010581562	-102.0099902	241086.9901682377	4373780.52059514	3843.9216059886176	3639.5706005046627	3541.2827634163164	3555.094241834946	86.2878370834635	84.1561786686714
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47	238	175427	-340581.1413	948817.3170250766	39.47470673910555	-102.0053171	241489.2601840574	4373769.88086489	3838.713381913694	3636.621551578842	3537.644303071562	3567.9748837171776	85.789863581487	85.789863581487
48	238	175428	-339921.1413	948817.3170250766	39.47472956719965	-102.002989	241690.313807327	4373766.924841383	3833.117706	3635.19216740826	3535.19216740826	3535.19216740826	81.1356581952	81.1356581952
49	238	175429	-339261.1413	948817.3170250766	39.47475328165455	-102.000644	241891.42117579028	4373761.671256358	3829.5203591606947	3633.649031942971	3533.978027366291	3552.085094466022	96.7100457667993	81.5599374769488
50	238	175430	-338601.1413	948817.3170250766	39.47477664271957	-101.9983074	242092.5288214642	4373757.438623963	3825.9245502584303	3632.153366182599	3532.1451673346164	3552.562624037458	90.0019884798238	79.5907421514067
51	238	175431	-337941.1413	948817.3170250766	39.47479958701644	-101.9959709	242293.6314510324	4373753.1373653	3822.659679609232	3630.651127211093	3530.3250216090976	3553.8585612507169	100.33060615020167	76.7928710380719
52	238	175432	-337281.1413	948817.3170250766	39.47482289550766	-101.9936343	242494.7417466387	4373749.19305592	3818.8325137805555	3629.1421147181307	3528.577490002449	3556.043627298547	100.5642647598158	75.0981417528636
53	238	175433	-336621.1413	948817.3170250766	39.47484573266726	-101.9912977	242695.848093671	4373745.07859773	3816.9779114958973	3627.626160127381	3526.792199114395	3558.06070606074	100.83396101296864	69.59868460413154
54	238	175434	-335961.1413	948817.3170250766	39.47486873584963	-101.9889812	242896.9541856261	4373740.34831915	3814.211692022034	3626.1013595196	3524.709176912919	3557.658214899066	100.1239662250508	68.44492105293011
55	238	175435	-335301.1413	948817.3170250766	39.4748917619965	-101.986689	243098.067292724	4373736.19480764	3812.05624289878	3624.9542898764	3523.311898492283	3556.13183713181	100.268425897024	74.7332147818926
56	238	175436	-334641.1413	948817.3170250766	39.47491406116104	-101.98428	243299.1656008012	4373732.704551118	3806.250373838894	3623.65938197088	3521.307128207171	3547.672506412658	101.3349749853596	75.36318470040474
57	238													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
139	128	175519	-279861.1413	948817.3170250766	-34.7665881947024	-101.7903476	459990.0628	4733391.331754824	3690.166655307065	3507.540669894041	3372.1199216838912	3370.462261019023	135.4207482514966	137.07840893901777
140	128	175520	-279201.1413	948817.3170250766	-34.7667615845114	-101.7880109	460191.1477464465	4733387.227271311	3689.41542924651	3505.869548849172	3369.901617194739	3368.182067154753	135.9671064452434	137.70748168444329
141	128	175521	-278681.1413	948817.3170250766	-34.76687010229645	-101.785742	460322.2285940989	4733383.128911055	3689.662585418542	3504.244849439417	3367.550192846466	3365.20525491794	136.693565917762	138.0363304163315
142	128	175522	-277881.1413	948817.3170250766	-34.7671604100307	-101.7833376	460593.3168377037	4733379.202036589	3687.9135191124333	3502.607550544815	3365.6160084752014	3362.9070503746713	136.981907660716801	138.6374203468387
143	128	175523	-277221.1413	948817.3170250766	-34.76735024554054	-101.7810009	460794.04117853572	4733374.916913727	3686.1435603898412	3500.977038	3362.371082185478	3359.618304633463	136.6095658289021	141.3587338094552
144	128	175524	-276561.1413	948817.3170250766	-34.76763536	-101.7786642	460995.48518311672	4733373.7323459	3683.358453967646	3499.3551911041334	3359.7835816168754	3356.451540312567	135.9716005	142.903630353667
145	128	175525	-275901.1413	948817.3170250766	-34.76787286	-101.7763275	461196.58895164365	4733367.10762781	3680.564533116914	3497.779347611694	3357.2301591992505	3353.6147549305046	140.51274593615017	144.12827240310614
146	128	175526	-275241.1413	948817.3170250766	-34.7679174046655	-101.7739808	461397.56844324703	4733362.68008487	3677.7793742716	3496.142947825423	3354.77811157795	3350.941566894046	140.51274593615017	145.20138093101662
147	128	175527	-274581.1413	948817.3170250766	-34.767950107490454	-101.7716541	461598.73578137226	4733358.50648164	3674.1062520598	3494.565666928204	3352.5343151815	3347.981783747232	142.08347970089484	145.8087311817821
148	128	175528	-273921.1413	948817.3170250766	-34.7679296577454	-101.7693174	461799.8184259578	4733354.03122305	3672.06217	3493.00337225356	3350.29133425326	3344.949373755956	142.7125977990047	146.6095894857487
149	128	175529	-273261.1413	948817.3170250766	-34.76844978127594	-101.7668807	462000.90166957035	4733303.000998098	3667.51312741308	3491.466795	3348.271888229757	3341.69103265109	141.1886250544417	147.7576223741062
150	128	175530	-272601.1413	948817.3170250766	-34.76866665	-101.764644	462201.942607365	4733346.190736623	3663.9644864285516	3489.94736389283	3346.08066896884	3342.7890800829003	141.8663968016298	147.1582836988273
151	128	175531	-271941.1413	948817.3170250766	-34.76888528217046	-101.7623073	462403.0666712869	4733342.09877625	3661.96745407481	3488.4459541389992	3344.480771566896	3345.3489125520397	142.961823260816	147.961332608016
152	128	175532	-271281.1413	948817.3170250766	-34.7690938455628	-101.7599706	462604.1487392274	4733337.99589801	3658.5442084509265	3486.92224366028	3342.879071743326	3340.056266305216	144.0831526226654	147.9795633801174
153	128	175533	-270621.1413	948817.3170250766	-34.7692327775847	-101.7576339	462805.2306267646	4733333.984621668	3656.111865270346	3485.49573955301	3341.771613770706	3338.78221884503	145.7241231765306	134.7130270850979
154	128	175534	-269961.1413	948817.3170250766	-34.76940408	-101.7552272	463006.3123	4733329.703550509	3653.68035401464	3484.04745102723	3340.77486776537	3333.145801767537	143.271796630916	130.158403472018
155	128	175535	-269301.1413	948817.3170250766	-34.76963096571596	-101.7529605	463207.29037	4733325.69217635	3651.08472752315	3482.617048088173	3339.853764281768	3341.0418839257	142.7629405270492	134.1765538768643
156	128	175536	-268641.1413	948817.3170250766	-34.76977703542474	-101.7506238	463408.47488501313	4733321.592059079	3648.32451467102	3481.2019456476082	3338.92092269664	3340.246510213754	142.269653379444	134.958393362324
157	128	175537	-267981.1413	948817.3170250766	-34.7699065519617	-101.7482871	463609.558369949	4733317.491627895	3645.56448596972	3479.03338549188	3337.948814723826	3334.0895373869324	141.854253823555	145.22726467986376
158	128	175538	-267321.1413	948817.3170250766	-34.7701436112634	-101.7459504	463810.636556017	4733313.491408202	3642.84005819571	3478.491421357027	3336.441121592044	3332.21863066852	141.9780205427625	145.2035416715085
159	128	175539	-266661.1413	948817.3170250766	-34.77032632091884	-101.7436137	464011.717	4733309.39199997	3640.50963862485	3477.04799537926	3335.2051433519	3332.2667503308244	141.872852140468	145.9119420710166
160	128	175540	-266001.1413	948817.3170250766	-34.7705083591242	-101.7412769	464212.79174	4733305.191601233	3638.800526169453	3475.89945733423	3333.802052696643	3332.769941874707	141.8895636458944	145.9119420710166
161	128	175541	-265341.1413	948817.3170250766	-34.77070112725922	-101.7389428	464423.856511868	4733302.498944831	3636.574748943263	3474.784909434274	3331.64539277593	3331.16142897132	141.9100257382853	145.9119420710166
162	128	175542	-264681.1413	948817.3170250766	-34.7708713641465	-101.7366035	464614.957200355	4733296.93	3635.3130805111639	3473.012191753808	3330.5039359490176	3331.804537702025	142.5002559047905	135.2076546417829
163	128	175543	-264021.1413	948817.3170250766	-34.77105217244514	-101.7342668	464816.0367551736	4733292.893479859	3632.105301112667	3471.893389	3328.421841767704	3330.38693551193	142.5002559047905	135.2076546417829
164	128	175544	-263361.1413	948817.3170250766	-34.7712325293692	-101.7319301	465017.1160775845	4733288.79458975	3627.43504242505	3470.38960293564	3326.488896930763	3332.241453805767	143.9007933297976	118.1482467129872
165	128	175545	-262701.1413	948817.3170250766	-34.771412439191	-101.7295934	465218.1951686021	4733282.76617382244	3619.102561324796	3469.102561324796	3324.48089899368	3332.241453805767	143.9007933297976	118.1482467129872
166	128	175546	-262041.1413	948817.3170250766	-34.7715981890937	-101.7272657	465419.2740276303	4733280.597131	3618.096510521803	3467.831902408407	3322.7353213672104	3334.0896453029786	145.0965810408365	142.74225710508365
167	128	175547	-261381.1413	948817.3170250766	-34.7717917709	-101.7249189	465622.3526511683	4733276.498944831	3615.544970742063	3466.574748943263	3321.784909434274	3331.64539277593	145.274867984723	135.2076546417829
168	128	175548	-260721.1413	948817.3170250766	-34.77197494	-101.722633	465852.4310512964	4733272.4003799	3613.114890431915	3465.37015983429	3319.91598435298	3319.91598435298	145.9119420710166	145.274867984723
169	128	175549	-260061.1413	948817.3170250766	-34.772125433649	-101.7202465	466022.5092163651	4733268.30240506	3611.678005343914	3462.11566808025	3319.1304641471913	3311.3851481694095	144.8821206662364	152.7310717638154
170	128	175550	-259401.1413	948817.3170250766	-34.7722051920366	-101.7179098	466223.5701505285	4733264.205	3614.244526434194	3462.900921702778	3317.7953218791	3311.3851481694095	145.1058951698796	157.0861027794266
171	128	175551	-258741.1413	948817.3170250766	-34.772248383314	-101.7155731	466424.664839932	4733260.108	3613.6608126564493	3461.7023473677687	3316.720103205335	3309.951145333754	144.9822443427356	162.02510283439258
172	128	175552	-258081.1413	948817.3170250766	-34.7726591	-101.7132363	466625.3243696445	4733256.01033228	3612.926875739212	3460.5012667796	3314.9488473119054	3314.9488473119054	145.5671635588976	165.6048791722396
173	128	175553	-257421.1413	948817.3170250766	-34.7728352497899	-101.7108992	466826.8169569486	4733251.313485096	3612.195981021283	3459.3406264531485	3313.2049472199415	3312.544789151025	146.13585423573159	165.609603684214
174	128	175554	-256761.1413	948817.3170250766	-34.7730112725922	-101.7085629	467027.9262514804	4733247.618462781	3611.452090250968	3458.1740909344724	3311.64539277593	3311.64539277593	145.9119420710166	145.9119420710166
175	128	175555	-256101.1413	948817.3170250766	-34.77318666473	-101.7062262	467228.9376349732	4733242.0028589	3609.65511528597	3457.014715303462	3310.126880650724	3312.459241735478	146.8890271773784	145.9119420710166
176	128	175556	-255441.1413	948817.3170250766	-34.7733651051444	-101.7038984	467430.490180269	4733236.63080015	3606.90102857515	3455.8572501289523	3309.069523744729	3312.459241735478	146.8890271773784	145.9119420710166
177	128	175557	-254781.1413	948817.3170250766	-34.773536059417236	-101.7015527	467631.1624216178	4733233.52740069	3604.108429018254	3454.699176216613	3307.438549123639	3312.459241735478	146.8890271773784	145.9119420710166
178	128	175558	-254121.1413	948817.3170250766	-34.7737101318212	-101.699216	467832.2023	4733231.43141742	3603.314987709964	3453.3621115563938	3306.1461452309727	3312.459241735478	146.8890271773784	145.9119420710166
179	128	175559	-253461.1413	948817.3170250766	-34.7738837180909	-101.6968792	468033.2780212275	4733227.3356473	3598.66840250964	3452.3621115563938	3304.1661452309727	3312.459241735478	146.8890271773784	145.9119420710166
180	128	175560	-252801.1413	948817.3170250766	-34.77405658207	-101.6945425	468234.353875784	4733223.4006639	3596.16968491583	3451.1688905317486	3303.488472600172	3312.459241735478	146.8890271773784	145.9119420710166
181	128	175561	-252141.1413	948817.3170250766	-34.7742301369478	-101.6922018	468435.4502480016	4733219.0456327	3594.172276955575	3449.69137952748	3302.488472600172	3312.459241735478	146.8890271773784	145.9119420710166
182	128	175562	-251481.1413	948817.3170250766	-34.774401768203	-101.689869	468635.5042480016	4733215.0456327	3592.172276955575	3447.69137952748	3301.488472600172	3312.459241735478	146.8890271773784	145.9119420710166

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRtElevKrg.f	BRtElevBothKrg.f	SurfLenBoth.f	SurfBoth.f
256	238	175645	-196701.1413	948817.3170250766	39.478712349284635	-101.4959164	485324.9688055435	4372875.88832857	347593504126471	31.13314627471343	3196.8619652697885	3193.702800323683	115.65149747734586	118.81066241455114
256	238	175646	-196041.1413	948817.3170250766	39.47872507879353	-101.4935796	285526.220307826	472871.8103678	3476.7853480710554	310.544464010598	3193.571087093083	3114.0243590564174	116.9717320265471	118.9717320265471
256	238	175647	-195821.1413	948817.3170250766	39.478716557419635	-101.491249	285722.061749204	472867.733719354	3476.8213812811234	330.887272894286	3198.372585894612	3118.2038538807633	119.38538807633	119.38538807633
256	238	175648	-194721.1413	948817.3170250766	39.4787550838975	-101.488906	285826.1034681944	472863.656718621	3473.0712418953252	330.632688941945	3197.0206101006488	3197.0381493690321	119.4716764129633	119.4716764129633
256	238	175649	-194061.1413	948817.3170250766	39.47876580447698	-101.4865692	286129.1414162904	472859.579268141	3471.5612234969275	330.4701381073832	3197.4489242591015	3121.0616161138537	107.25210661473072	93.63976459567849
270	238	175650	-193401.1413	948817.3170250766	39.4787595042362	-101.4842323	286330.2500243052	472857.052913919	3470.105203130719	330.74088858023	3193.6620368206024	3199.06443883398	109.1239520289403	102.74854907400465
271	238	175651	-192741.1413	948817.3170250766	39.47879226122962	-101.4818955	286531.305698554	472851.426800343	3468.49957808334	330.9172880234374	3190.8527978875195	3197.13789023270965	110.0648023275966	106.7773162234096
272	238	175652	-192081.1413	948817.3170250766	39.47880542189497	-101.4795857	286747.3611594853	472847.530622204	3466.745851016831	329.976766403431	3189.80884840187	3190.00116307342	109.07607366322828	109.06604819603735
273	238	175653	-191421.1413	948817.3170250766	39.4788176571815	-101.4772219	286853.41641239987	472843.2748761518	3465.242151164833	3198.10555468336	3187.7033866945	3197.1033866945	108.5387845	108.5387845
274	238	175654	-190761.1413	948817.3170250766	39.47883160780359	-101.474895	287134.4714553051	472839.19137817	3463.236540711096	3195.4356729070126	3186.455047186587	3185.873281413113	108.711625131364	109.4028515690393
275	238	175655	-190101.1413	948817.3170250766	39.478844633048085	-101.4724842	287335.452068958	472835.12611549	3462.07828806799	330.9345475454964	3185.7256320039	3184.467176471735	107.918189345639	108.1763077302194
276	238	175656	-189441.1413	948817.3170250766	39.4788576114928	-101.4702114	287536.58009149095	472831.042959892	3461.616261905376	331.2861390524295	3184.921794214552	3183.045964241646	106.94134841087758	107.517459925494
277	238	175657	-188781.1413	948817.3170250766	39.47887054811909	-101.4678746	287737.63333102185	472827.979300838	3460.95442835356	329.092043212344	3184.3151589420113	3182.268972433466	105.77884270332623	107.823078387837
278	238	175658	-188121.1413	948817.3170250766	39.47888343793186	-101.4655377	287938.68963844552	472826.89269373	3460.236162101733	3183.90524115123	3182.659254013182	3182.659254013182	104.4292900910806	105.6729072306781
279	238	175659	-187461.1413	948817.3170250766	39.47889662261193	-101.4632009	288139.453733899	472818.82612496	3458.827012962974	328.6844894792455	3182.831232996533	3180.79709626387	103.85312573994213	104.3134782963675
280	238	175660	-186801.1413	948817.3170250766	39.4789090215113	-101.460841	288340.7973208516	472814.749139196	3458.258665517054	328.536969120705	3178.186922280915	3176.76001632149	106.1339761739790	108.606526020158
281	238	175661	-186141.1413	948817.3170250766	39.47891283654943	-101.4585272	288541.8509106566	472810.678462464	3453.693021517744	328.0944760149657	3178.572004149657	3172.190905498534	102.422742571209	111.8854241262438
282	238	175662	-185481.1413	948817.3170250766	39.47893454058685	-101.4561904	288742.904285309	472806.600824297	3451.121973417747	328.257116109024	3172.163850957674	3169.45629667176	110.587851512566	113.2665194733693
283	238	175663	-184821.1413	948817.3170250766	39.47894720992334	-101.4538356	288943.957426735	472802.52682683	3448.447274543414	328.14469632647438	3168.691686520717	3166.416725238907	112.75527744032	115.0320112581306
284	238	175664	-184161.1413	948817.3170250766	39.4789582888988	-101.4515167	289145.0104120934	472798.45331617	3446.767106492473	328.015377983492	3165.057654074655	3163.618801406765	112.0577243371760	115.626176774038
285	238	175665	-183501.1413	948817.3170250766	39.4789724027334	-101.4491799	289349.06316474374	472794.37930108	3442.886630532068	327.7873017035536	3161.3269309218886	3160.73820269498	117.520822666501	118.108102410558
286	238	175666	-182841.1413	948817.3170250766	39.47898451142696	-101.4468431	289547.1517098309	472790.360712192	3440.106167	327.5571724957934	3157.411364625514	3157.432141230523	120.430633242019	120.1198374211023
287	238	175667	-182181.1413	948817.3170250766	39.47915583247861	-101.4412714	29281.658926272	472793.303801832	3441.638502727894	325.893037334458	3154.909627126155	3154.909627126155	115.923795893424	118.973795893424
288	238	175668	-181521.1413	948817.3170250766	39.47900853397166	-101.4421694	28994.22028011456	472782.16030636	3445.561837320417	327.945900867431	3149.970766554406	3150.545702526327	124.99084118199043	124.99084118199043
289	238	175669	-180861.1413	948817.3170250766	39.47902246667576	-101.4383628	290150.272055587	472778.0039391	3448.45016180665	327.8367640007323	3147.401709354782	3148.362534882567	126.2746908511552	125.38138623545424
290	238	175670	-180201.1413	948817.3170250766	39.47903454979685	-101.4374957	290351.3232947859	472774.01598423	3452.356374982883	327.738686529737	3146.4491848455493	3148.765559	125.944980441878	123.61812744041708
291	238	175671	-179541.1413	948817.3170250766	39.47904887785025	-101.4351589	290552.374380006	472769.94326787	3453.87279450328	327.7106614882063	3146.0252362193955	3145.1375659126273	125.0613787638018	120.9489860757901
292	238	175672	-178881.1413	948817.3170250766	39.47905915563205	-101.4328212	290763.4267454052	472765.81789817	3453.00634778074	327.6817875389805	3145.947270224299	3153.153715858454	126.660458216486	116.660458216486
293	238	175673	-178221.1413	948817.3170250766	39.479071797	-101.4298128	290964.47784771214	472762.303801832	3452.1438502727894	325.893037334458	3145.909627126155	3154.909627126155	122.36778948123919	122.36778948123919
294	238	175674	-177561.1413	948817.3170250766	39.47913535020575	-101.4281484	29117.7286717299	472757.1286717299	3451.7286717299	325.893037334458	3145.909627126155	3154.909627126155	122.36778948123919	122.36778948123919
295	238	175675	-176901.1413	948817.3170250766	39.47905658326045	-101.4258115	291356.573448338	472753.65701739	350.0248363005654	328.788204577464	3146.285116268072	3155.65385426864	119.5363918739181	110.1288461500011
296	238	175676	-176241.1413	948817.3170250766	39.4791073568027	-101.4234747	291557.6299106925	472749.58619662	3450.8909966718	326.454232370543	3146.082192897174	3152.304274336902	118.4234347336902	112.4234347336902
297	238	175677	-175581.1413	948817.3170250766	39.47911976749204	-101.4211378	291758.6802025266	472745.51503198	3446.75527682821	326.0325764552275	3145.6882754852477	3148.976940489276	117.364450969777	117.364450969777
298	238	175678	-174921.1413	948817.3170250766	39.47913175474807	-101.418801	291959.370294036	472741.44671744	3445.1156427907265	325.671851458978	3145.013280980643	3145.072743121813	116.9105114679664	116.9105114679664
299	238	175679	-174261.1413	948817.3170250766	39.4791439660273	-101.4164842	292160.78015191628	472737.374143961	3443.353234605314	326.2687605204241	3144.9390829110925	3161.295364770985	118.3508369314851	118.3508369314851
300	238	175680	-173601.1413	948817.3170250766	39.47915583247861	-101.4141273	292361.629826272	472733.303801832	3441.638502727894	325.893037334458	3145.909627126155	3154.909627126155	115.923795893424	118.973795893424
301	238	175681	-172941.1413	948817.3170250766	39.479164488997	-101.4117905	292562.87804668	472729.23382767	3438.579213938332	325.752197839317	3141.327423570232	3138.776197709444	116.19430659490612	116.19430659490612
302	238	175682	-172281.1413	948817.3170250766	39.47917925134266	-101.4094538	292763.928543044	472725.13695077	3437.692172771812	325.64268595737	3139.391351554445	3137.7576892365278	116.75326530512848	118.3893762304592
303	238	175683	-171621.1413	948817.3170250766	39.47918910262717	-101.4071168	292964.977602404	472719.338249476	3435.713738249476	325.4743138249476	3137.2289670548885	3136.841306	117.5441721945831	117.5441721945831
304	238	175684	-170961.1413	948817.3170250766	39.47920272877866	-101.4047799	293166.0245616146	472717.02481192	3432.454674283895	325.30848172417319	3134.829093709668	3133.352639790084	118.57907870765075	118.10277451634665
305	238	175685	-170301.1413	948817.3170250766	39.47921439978872	-101.4024341	293367.0517067853	472712.92961	3429.59202413287	325.0520915451884	3132.2849631202475	3133.265424298919	119.7653249484908	119.7653249484908
306	238	175686	-169641.1413	948817.3170250766	39.47922602555476	-101.4001062	293568.1235544826	472716.868718805	3426.72934071882	325.007007611334	3129.533627016164	3130.54459320475	121.1662239400176	121.1662239400176
307	238	175687	-168981.1413	948817.3170250766	39.4792379194384	-101.397819	293769.258933864	472712.92961	3424.819594193481	324.934607334458	3128.419238564515	3128.419238564515	115.923795893424	118.973795893424
308	238	175688	-168321.1413	948817.3170250766	39.4792494194384	-101.3954325	293970.219841913	472710.794370075	3421.220965370077	324.802510333644	3124.326644735302	3127.231261094294</		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogsKrg	BRElevBothKrg	SurBothKrg	SatBothKrg
391	238	15771	-113541.1413	948817.3170250766	39.48004923027285	-101.2014715	101666.5219006629	4723263.789721536	319.7671979594614	317.370541547368834	3038.854123462638	3041.413895	88.20003127424525	95.6402598446356
392	238	15772	-112881.1413	948817.3170250766	39.48005697390126	-101.1991436	101657.5536659414	4723299.788378396	321.592097886531	315.624723144623	3037.37453330329	3037.31402239107398	97.31449527509044	97.31449527509044
393	238	15773	-112221.1413	948817.3170250766	39.48009492230658	-101.1867797	101658.5682498705	4723355.68804918	320.603859166448	313.484786456335	3036.4769632272713	3036.489483454587	97.665165322713	97.665165322713
394	238	15774	-111561.1413	948817.3170250766	39.480072325728834	-101.1944608	101559.6166418245	4723351.637361311	328.9417631746663	312.373456652402	3034.455130458397	3035.39082728789	98.280651055001	97.3367481341325
395	238	15775	-110901.1413	948817.3170250766	39.4800799332797	-101.1921239	101460.648717553	4723747.582272014	327.7239472052646	313.272339793697	3032.9721872919467	3036.088336128553	98.303115250175004	95.1849461804151
396	238	15776	-110241.1413	948817.3170250766	39.4800874969837	-101.189787	101661.6788790315	4723734.37127556	328.5517547303993	314.2910427646786	3031.453855273013	3032.2282083	95.34718149166495	95.34718149166495
397	238	15777	-109581.1413	948817.3170250766	39.48010501489687	-101.1874501	101862.7097198338	4723739.487237575	328.3818062733234	312.3712898935283	3030.3136549129267	3031.616161274155	98.0036348065553	96.70087376616675
398	238	15778	-108921.1413	948817.3170250766	39.48010248766659	-101.1851132	102063.7403777511	4723735.4375575995	328.2120623267383	312.62132486167	3029.352697221189	3029.0201121112627	97.55569514	97.8012127503437
399	238	15779	-108261.1413	948817.3170250766	39.48010991528913	-101.1827763	102074.7805186719	4723734.368807678	328.4056615	312.531266543474	3028.138997638958	3028.138997638958	97.738975750412	97.738975750412
400	238	15780	-107601.1413	948817.3170250766	39.48011729777516	-101.1804384	102465.9014236854	472377.3382618	312.7347950341074	312.7347950341074	3027.79380240498	3027.79380240498	96.9595657428432	96.9595657428432
401	238	15781	-106941.1413	948817.3170250766	39.48012635116674	-101.1781025	102666.8312494806	4723732.289774915	327.155428588483	312.264411246081	3024.99911158901	3018.330896355337	97.2652965	103.934248054749
402	238	15782	-106281.1413	948817.3170250766	39.480131927313664	-101.1757565	102867.8611734009	4723719.240303261	326.1286205966226	3120.724277846611	3022.901704642084	3015.582182110828	97.8223020452709	95.14209573572319
403	238	15783	-105621.1413	948817.3170250766	39.480139174367395	-101.1734287	103068.8901433655	4723715.192301206	326.6257239	311.169653388483	3020.5001475996745	3009.547285044671	98.6230059707862	109.6232888947722
404	238	15784	-104961.1413	948817.3170250766	39.48014633767793	-101.1710918	103269.92047249235	4723711.149875584	326.82802951344605	311.7160137564433	3017.9760048286334	3005.241736454635	96.6247913569685	112.359508096786
405	238	15785	-104301.1413	948817.3170250766	39.480153530450204	-101.1687548	103470.9485408745	4723710.93668589	326.5023299873783	311.6102036919564	3015.2806363300456	3008.585378957807	107.7399998551628	111.4619892736816
406	238	15786	-103641.1413	948817.3170250766	39.480160446599176	-101.1664179	103671.9790412871	4723703.0443	326.16034433062	311.4427435191427	3012.426707121137	3003.390241731706	102.003671028985	111.028146182163
407	238	15787	-102981.1413	948817.3170250766	39.48016771148625	-101.164081	103873.0080523719	4723729	325.8138357927464	311.8247278011013	3009.77253813828	3002.76067762856	103.01642738872734	110.0640017424515
408	238	15788	-102321.1413	948817.3170250766	39.480174732487356	-101.1617441	104074.0368142996	4723725.942287441	325.34658912487	311.2140981740517	3007.5976558491748	3005.3129316599248	103.61644232487697	107.1115187480758
409	238	15789	-101661.1413	948817.3170250766	39.48018170868149	-101.1594072	104275.065528770	4723726.049019148	325.117951932888	310.95980924307	3005.9858488818063	3002.6728465116	103.6099603210054	106.9226272771091
410	238	15790	-101001.1413	948817.3170250766	39.480187396973229	-101.1570703	104476.0393945654	4723728.95475103	324.7700421969805	3004.732593348576	3006.3561302486234	3003.246912862123	107.1013133632507	
411	238	15791	-100341.1413	948817.3170250766	39.48019552563975	-101.1547334	104677.12229701863	4723722.810789597	324.57589193078234	310.638904314777	3003.984083568523	3000.514033511284	102.314516048953	106.2871010803492
412	238	15792	-99681.1413	948817.3170250766	39.48020236643879	-101.1523965	104878.150382735	4723726.7404354	324.6043479847505	310.46950457275	3003.73782133993	3004.355870059211	100.9632240137173	100.3437444833574
413	238	15793	-99021.1413	948817.3170250766	39.4802103204654	-101.150067	105079.1820518671	4723724.7315043	324.338330366585	310.338330366585	3003.638330366585	3003.638330366585	97.8695165104474	97.8695165104474
414	238	15794	-98361.1413	948817.3170250766	39.48021591250207	-101.1477226	105280.200405391	4723726.671802041	323.31373401	301.3938309143596	3003.37188206841	3001.4020927012413	98.0193277051843	99.9917331121826
415	238	15795	-97701.1413	948817.3170250766	39.48021967183609	-101.1453857	105481.2336075313	4723720.62062815	322.7501133707167	309.97429	3003.0681636089146	2999.572118406272	96.6567569899619	100.1528012958504
416	238	15796	-97041.1413	948817.3170250766	39.48022928	-101.1430488	105682.2610882693	4723725.579152875	322.413608394293	3098.043641658422	3002.489025905622	3000.6263072181223	95.6155575280015	97.4713444029978
417	238	15797	-96381.1413	948817.3170250766	39.4802389307721	-101.1407119	105883.28828902036	4723725.53	322.38146934147	3096.3497888049965	3001.7431743833545	3001.9571024074926	94.60661421642007	94.3928684
418	238	15798	-95721.1413	948817.3170250766	39.4802442989398	-101.138375	106084.3150396438	4723724.48796548	321.8172643630537	3094.6483770432424	3000.594928653592	3000.798371780976	94.40144883968317	93.8480052625851
419	238	15799	-95061.1413	948817.3170250766	39.4802496236018	-101.1360689	106284.3421589705	4723724.04689606	321.6343265729574	3090.76093893681	3000.458368210386	3000.458368210386	94.34428710155448	94.34428710155448
420	238	15800	-94401.1413	948817.3170250766	39.48025370645474	-101.1337011	106486.1926175933	4723724.71971563	321.426707121137	3091.212719133483	2999.212719133483	2999.212719133483	94.8889811	94.023247967167
421	238	15801	-93741.1413	948817.3170250766	39.4802591831646	-101.1313642	106687.3592945554	4723722.357444356	321.368376063336	3089.48273022127	2999.1810848137925	2995.28510640213	92.0512622035442	93.9172261750559
422	238	15802	-93081.1413	948817.3170250766	39.48026829116159	-101.1290273	106888.4215982243	4723720.38010438	319.622271963514	3087.744782090247	2996.096712843563	2996.096712843563	91.6750916546836	92.366111166791
423	238	15803	-92421.1413	948817.3170250766	39.48027463534807	-101.1268094	107089.4477226209	4723724.26362676	319.204185056078	3085.9996384417965	2995.176774174703	2993.75485227302	90.82286476703621	92.047153694471
424	238	15804	-91761.1413	948817.3170250766	39.48028093491054	-101.1243535	107290.4736643734	4723720.219	318.905719447623	3084.2517054368104	2994.568093	2992.193048227867	90.6863121	92.0257626074335
425	238	15805	-91101.1413	948817.3170250766	39.4802871882095	-101.1220467	107491.9494356119	4723726.17540767	318.672785243473	3082.507412702211	2994.163094666453	2993.611611	88.3468470957476	88.9953027
426	238	15806	-90441.1413	948817.3170250766	39.48029370645474	-101.1196796	107822.131584023	4723721.92546143	318.432625729574	3080.76093893681	2993.15584618767	2992.15584618767	87.5783000496874	87.5783000496874
427	238	15807	-89781.1413	948817.3170250766	39.4802996565888	-101.1173427	107983.504535718	4723719.79082086	317.61731545308	3079.032595908914	2992.78428197222	2992.78428197222	86.7594836079004	86.7594836079004
428	238	15808	-89121.1413	948817.3170250766	39.48030597912777	-101.1150508	108094.5756668776	4723710.04495714	318.05205651874956	3077.305254131368	2993.8749897643315	2991.910588439496	86.032436703667	86.1146652842859
429	238	15809	-88461.1413	948817.3170250766	39.48031175245308	-101.1126689	108295.600741445	4723712.00140533	317.753781963346	3075.58309096338	2993.7366235776594	2990.2042854715697	84.874851867854	85.3813233060408
430	238	15810	-87801.1413	948817.3170250766	39.48031778063482	-101.110332	108496.6256017374	4723710.95683147	317.986880193872	3073.866390758234	2993.5551246	2998.4758244433538	83.31514471403324	85.9053663145067
431	238	15811	-87141.1413	948817.3170250766	39.480323763673006	-101.107995	108697.9503029744	4723701.91568316	317.2933259203702	3072.1537252402095	2993.78395114056	2998.65866525271	82.77487112804365	85.3506661682848
432	238	15812	-86481.1413	948817.3170250766	39.48032970156799	-101.105681	108888.6748267485	47237197.811126	317.673104487025845	3069.13465175008	2995.206290905219	2997.310515740672	81.246337139	85.246337139
433	238	15813	-85821.1413	948817.3170250766	39.48033570251867	-101.103397	109089.691567137	4723718.937051867	317.48331702540454	3067.05331702540454	2994.8331702540454	2994.8331702540454	80.7392471304614	80.7392471304614
434	238	15814	-85161.1413	948817.3170250766	39.48034141252944	-101.100943	109300.7333404965	4723718.78852324	317.032762784493	3067.051433340714	2992.472779845872	2992.665860490169	79.6065555	84.8564512400257
435	238	15815	-84501.1413	948817.3170250766	39.48034724	-101.0986474	109501.7473778427	47237185.747						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRRElevKgs.f	BRRElevM.f	SatHtLoft.f	SatHtBoth.f
517	238	175897	-30381.14133	948817.3170250766	-39.4066947177392	-100.9070187	35985.1343	4371855.020122066	2002.4023635169426	2935.2677886586366	2880.1941765129222	2880.452239661373	55.07862114571438	54.81554854993036
518	238	175898	-29721.14133	948817.3170250766	-39.40667417272631	-100.9040818	33618.1443739172	4371850.959344625	2933.70476872589	2877.9496171050623	2879.9608197284317	55.7451556728137	53.743943934157428	53.743943934157428
519	238	175899	-29061.14133	948817.3170250766	-39.40663487651367	-100.9023468	336387.1542632124	4371846.9211958466	2933.8324157291475	2883.1620612784474	2877.4252452389496	54.72851588938416	54.72851588938416	54.72851588938416
520	238	175900	-28401.14133	948817.3170250766	-39.40657458237632	-100.9000079	335688.1640355654	4371839.437007215	3035.617337339574	2873.9669733993833	2873.82710285768	56.6513230418846	56.18028545380559	56.18028545380559
521	238	175901	-27741.14133	948817.3170250766	-39.4067377295795	-100.897671	336789.1736	4371838.923044204	3033.3871753307167	2879.1288251696537	2872.287633213012	58.76041616531127	58.40091956641574	58.3640851654106
522	238	175902	-27081.14133	948817.3170250766	-39.40679478932385	-100.895334	336980.1830582699	4371837.2609263005	3031.1130551196175	2877.6121056546	2870.533570309864	56.7602536508737	57.0945705773392	57.0687579773392
523	238	175903	-26421.14133	948817.3170250766	-39.406801768436	-100.8929971	337192.1923330317	4371836.87570506	3029.349913382331	2876.554821037866	2864.478309510762	57.58664963007487	57.58664963007487	57.58664963007487
524	238	175904	-25761.14133	948817.3170250766	-39.406826233115	-100.890601	337392.20144967246	4371832.857	3028.097170115575	2876.657497342194	2865.9942197188902	58.3209470200874	58.3209470200874	58.3209470200874
525	238	175905	-25101.14133	948817.3170250766	-39.406846183367	-100.8883232	337593.2104083987	4371822.23894026	3028.45589858984	2873.177834721475	2863.14982912819	58.4668147320171	58.4668147320171	58.4668147320171
526	238	175906	-24441.14133	948817.3170250766	-39.40686296191534	-100.885962	337704.2192094717	4371816.8063968	3025.40235982104	2871.700519731487	2859.7161089539158	59.445357	61.88410176757126	63.0561624508968
527	238	175907	-23781.14133	948817.3170250766	-39.40687954508368	-100.883493	337995.2278529321	4371814.784	3023.3002250521121	2870.224456071064	2855.9535467282314	58.583312511036	64.300808876499	64.5413309
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529	238	175909	-22461.14133	948817.3170250766	-39.4069110840091	-100.8789754	338397.2446627314	4371807.38801533	3017.266697577922	2847.5437391564737	2850.654155684041	68.682824144831	68.682824144831	68.682824144831
530	238	175910	-21801.14133	948817.3170250766	-39.4069282218198	-100.8766385	338598.25840507	4371802.716922256	3015.358963953604	2845.782541913666	2846.27003983343	70.03399976091967	69.79530473624218	69.79530473624218
531	238	175911	-21141.14133	948817.3170250766	-39.4069409081879	-100.8743015	338799.26959506485	4371797.618651523	3013.342709039694	2844.29495822005	2838.540429001895	68.94323572	71.764928414027	73.0710285
532	238	175912	-20481.14133	948817.3170250766	-39.4069551431128	-100.8719646	339000.2687151425	4371794.6723893195	3011.62387660011	2842.78211608311	2839.329760247362	70.0502652814969	71.4725518372443	73.0710285
533	238	175913	-19821.14133	948817.3170250766	-39.406968265943	-100.8696276	339201.27641795104	4371790.6183635	3009.911048275134	2841.305221545958	2839.08258228233	70.04090515719535	71.4419331613466	73.0710285
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535	238	175915	-18501.14133	948817.3170250766	-39.4069951382288	-100.8649537	339603.2913555762	4371782.60953807	3007.930796493317	2838.299505243562	2836.2252031874364	70.04090515719535	71.4419331613466	73.0710285
536	238	175916	-17841.14133	948817.3170250766	-39.4070075683817	-100.8626168	339804.2985090457	4371778.58725649	3006.78479600493	2838.49632282628	2835.28052091268	72.078477322494	72.078477322494	72.078477322494
537	238	175917	-17181.14133	948817.3170250766	-39.407019649011	-100.8602799	340005.3067058316	4371774.581095972	3004.346171680427	2837.20279784246	2840.53731263925	72.078477322494	72.078477322494	72.078477322494
538	238	175918	-16521.14133	948817.3170250766	-39.4070317012574	-100.8579429	340206.3125951176	4371770.54769477	3002.549719273482	2837.75508077249	2842.18363527133	72.078477322494	72.078477322494	72.078477322494
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540	238	175920	-15201.14133	948817.3170250766	-39.407057076505	-100.853269	340608.325979297	4371767.50479796	2998.969653417	2837.70233783737	2843.815156719259	72.078477322494	72.078477322494	72.078477322494
541	238	175921	-14541.14133	948817.3170250766	-39.407062842972	-100.8509321	340809.334381515	4371758.488	2997.84367769636	2837.260214302584	2843.62527741195	72.078477322494	72.078477322494	72.078477322494
542	238	175922	-13881.14133	948817.3170250766	-39.4070726629005	-100.8485951	341010.3387449306	4371754.48134633	2996.720295197448	2837.6817474683	2842.743730348926	72.078477322494	72.078477322494	72.078477322494
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544	238	175924	-12561.14133	948817.3170250766	-39.4070974964814	-100.8439212	341412.35099371644	4371746.429052195	2994.510825147244	2837.6817474683	2842.743730348926	72.078477322494	72.078477322494	72.078477322494
545	238	175925	-11901.14133	948817.3170250766	-39.4071084158154	-100.8415696	341613.3663672176	4371742.410651149	2993.283748909702	2837.823485827845	2843.14381979158	72.078477322494	72.078477322494	72.078477322494
546	238	175926	-11241.14133	948817.3170250766	-39.4071193204116	-100.8392473	341814.319811999	4371738.392	2992.03767170259	2837.260214302584	2843.62527741195	72.078477322494	72.078477322494	72.078477322494
547	238	175927	-10581.14133	948817.3170250766	-39.40711449381296	-100.8369104	342015.3681	4371734.33732232	2990.811956536102	2837.08078603207	2834.80844025374	72.078477322494	72.078477322494	72.078477322494
548	238	175928	-9921.14133	948817.3170250766	-39.4071215056465	-100.8345734	342216.3734471834	4371730.35502369	2989.682162132018	2837.27965330687	2827.5941718229673	72.078477322494	72.078477322494	72.078477322494
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552	238	175932	-7281.14133	948817.3170250766	-39.4071453057676	-100.8252217	343020.39425298024	4371714.28321693	2986.0238909702	2837.27965330687	2827.5941718229673	72.078477322494	72.078477322494	72.078477322494
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554	238	175934	-5961.14133	948817.3170250766	-39.407154096372	-100.8205518	343422.40254209423	4371706.249	2983.6610325995	2836.8095672630174	2837.07498291089	72.078477322494	72.078477322494	72.078477322494
555	238	175935	-5301.14133	948817.3170250766	-39.40715784806706	-100.8182148	343623.4069	4371702.23259169	2982.776617205056	2836.482985632578	2834.80844025374	72.078477322494	72.078477322494	72.078477322494
556	238	175936	-4641.14133	948817.3170250766	-39.4071613483537	-100.8158779	343824.41102419631	4371702.61981465	2981.69140482945	2836.2735841927	2834.03679806182	72.078477322494	72.078477322494	72.078477322494
557	238	175937	-3981.14133	948817.3170250766	-39.4071642971968	-100.8135409	344025.410381336	4371694.19497947	2980.67198989624	2836.0720483211	2833.469936509835	72.078477322494	72.078477322494	72.078477322494
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559	238	175939	-2661.14133	948817.3170250766	-39.4071684905768	-100.808877	344427.4189009306	4371686.496363	2979.673766004303	2835.710024214305	2832.44445458443	72.078477322494	72.078477322494	72.078477322494
560	238	175940	-2001.14133	948817.3170250766	-39.407170345056	-100.8065301	344628.421739557	4371682.15134762	2978.835146697474	2835.710024214305	2832.44445458443	72.078477322494	72.078477322494	72.078477322494
561	238	175941	-1341.14133	948817.3170250766	-39.40717157813494	-100.8041932	344829.426845842	4371678.13756156	2966.61713699361	2835.710024214305	2832.44445458443	72.0784773224		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatH33Krg.ft	SatHBoth.ft
633	238	176023	52778.8586773035	948817.3170250766	-0.94805729	-100.125638	361311.2168	473139.4962991557	2840.542270878677	275.902257415915	2675.978925410196	2674.538328135845	50.9233200571875	52.3639286023306
644	238	176024	53438.8586773035	948817.3170250766	-0.94805672725703	-100.102269	361512.2084505007	473135.564301411	2838.89083893668	2674.50280535383	2678.767003126696	2676.631471	48.3737327763301	52.3726186021586
645	238	176025	54088.8586773035	948817.3170250766	-0.9480561448616	-100.087889	361713.1981	473134.5664780368	2837.936816893268	2674.483276338366	2677.688925153224	2676.802254383366	52.222487186021586	
646	238	176026	54788.8586773035	948817.3170250766	-0.94805617440256	-100.065553	361914.193158945	473137.585829867	2838.588813931683	2721.23109053573	2673.64745005255	2664.0047053471613	47.7655637969989	57.193126721749
647	238	176027	55418.8586773035	948817.3170250766	-0.94805610394242	-100.0632161	362115.1825466646	473133.570791039	2837.565404304506	2719.3602588590275	2669.3695348103197	2661.7171392516334	49.9907240840776	58.1831196073942
648	238	176028	56078.8586773035	948817.3170250766	-0.94805613911886	-100.0608791	362316.7384689715	473135.732529731	2836.173271960083	2717.496552	2665.737947000434	2661.06312692302524	51.568409383629	56.4332623978204
649	238	176029	56738.8586773035	948817.3170250766	-0.9480565043	-100.058422	362517.1646179767	473135.57959304	2834.782039858934	2715.642225481414	2662.702805405298	2660.76134102202235	52.9386171428437	54.20851345907916
650	238	176030	57398.8586773035	948817.3170250766	-0.94805462823508	-100.0562053	362718.154550221	473132.578839631	2833.9345087112354	2713.7983819745955	2659.913403876546	2660.063451182497	53.08940732904888	53.09503545634574
651	238	176031	58058.8586773035	948817.3170250766	-0.94805429592096	-100.0536883	362919.1461801638	473137.5816103638	2832.5754132158204	2711.3646395892165	2657.558687315224	2657.802254383366	52.12648831428616	
652	238	176032	58718.8586773035	948817.3170250766	-0.94805385574224	-100.0515314	363120.1373320854	473137.58209594134	2832.337200994134	2710.1048424055	2655.790739144418	2652.85219643405	54.349025793871	47.2878207910614
653	238	176033	59378.8586773035	948817.3170250766	-0.948053456779786	-100.0581945	363321.127147673	473130.588715678	2832.09898368074	2708.26380864016	2654.2842371029115	2663.890778307414	54.5425494310468	44.802026
654	238	176034	60038.8586773035	948817.3170250766	-0.948053462673364	-100.0568575	363522.1174849497	473130.59242903	2831.860792	2706.522425195481	2649.329704391258	2646.856546662763	51.9720042920471	51.16157052920471
655	238	176035	60698.8586773035	948817.3170250766	-0.94805343342293	-100.0545206	363723.1076382236	473130.59630383	2831.3604514481704	2704.727935289937	2647.924467289937	2647.924467289937	50.979213466828	56.80350628310494
656	238	176036	61358.8586773035	948817.3170250766	-0.94805125902853	-100.0521837	363924.0971173727	473129.604478012	2830.597977272419	2702.940465526147	2640.494572568497	2648.444477692457	52.44598929576247	54.49608860158175
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658	238	176038	62678.8586773035	948817.3170250766	-0.948051136748075	-100.057998	364326.0774153634	473128.60938503	2829.0730208615	2699.385309537226	2667.7406248374537	2657.967437387381	51.64488409208964	61.1787214434175
659	238	176039	63338.8586773035	948817.3170250766	-0.94805093648154	-100.0575729	364527.06707148376	473128.614109102	2828.479140823196	2697.81739754391	2663.266640930965	2654.2049780576394	53.3507568234231	63.412427
660	238	176040	63998.8586773035	948817.3170250766	-0.94805001101335	-100.0572839	364728.0697491129	473128.619067337	2826.8555043974	2695.85564004914	2655.478954578905	2654.78954579432	60.34907046	
661	238	176041	64658.8586773035	948817.3170250766	-0.948049008897156	-100.057049	364929.05093347	473127.624232974	2827.62853062784	2694.0993747899515	2646.9162616833205	2639.650503118822	47.18311306631026	54.044434171129256
662	238	176042	65318.8586773035	948817.3170250766	-0.948049164639064	-100.0568121	365130.032555364	473127.6296007	2826.346843751512	2693.71755503174	2638.71755503174	2638.71755503174	56.521995194112	
663	238	176043	65978.8586773035	948817.3170250766	-0.94804958261	-100.0565825	365331.024396111	473126.6351864245	2808.3871646407	2690.59664460364	2631.27544382165	2627.4416509134716	53.122059183	63.15491349389322
664	238	176044	66638.8586773035	948817.3170250766	-0.948049174	-100.0563486	365532.013043039	473126.6394074216	2808.3871646407	2688.54879722026	2624.898439118787	2632.49841073416	53.95861	56.35026971525667
665	238	176045	67298.8586773035	948817.3170250766	-0.94804845125840828	-100.0547717	365732.008214571	473126.6394074216	2807.83784786819	2687.53287480961	2623.72727481976	2623.72727481976	53.8407148889439	
666	238	176046	67958.8586773035	948817.3170250766	-0.94804773216756	-100.0558143	365933.9013061453	473125.657311902	2787.71071561624	2685.36019056805	2615.737532295587	2620.854362228116	54.0056822724264	54.50172363393325
667	238	176047	68618.8586773035	948817.3170250766	-0.94804738118996	-100.0564474	366134.979650937	473125.65987173	2788.544015121785	2786.76174224754	2612.3758737391438	2629.6647809794527	71.24005654	53.9525161933079
668	238	176048	69278.8586773035	948817.3170250766	-0.94804685406845	-100.0554105	366335.3681428244	473124.661982	2785.2951950805	2681.871591125252	2609.480067154477	2612.324886	72.3915240890752	69.546735415156
669	238	176049	69938.8586773035	948817.3170250766	-0.94804637830311	-100.0551803	366536.9565063252	473124.67032358	2784.26037389824	2680.123435888637	2606.9909224127	2602.78611096921	73.1325156845105	67.34730419240261
670	238	176050	70598.8586773035	948817.3170250766	-0.948045891	-100.054966	366737.9447416875	473124.68005397	2786.785282484	2678.370867824694	2604.6587637240495	2605.61254644516	73.71210341988	72.7582224878425
671	238	176051	71258.8586773035	948817.3170250766	-0.94804542914302	-100.0547717	366938.9472917947	473124.68005397	2784.484724042993	2676.48384780961	2602.663891869316	2604.6587637240495	74.15858924943741	74.15858924943741
672	238	176052	71918.8586773035	948817.3170250766	-0.94804542914302	-100.0547717	367139.928834376	473124.68005397	2782.5947470161	2769.0951176281	2600.52583977013	2605.88659911089	74.32007203138	69.8249499
673	238	176053	72578.8586773035	948817.3170250766	-0.9480444258	-100.0544588	367340.980780471	473122.70329859	2763.716483036859	2763.07482765531	2599.680474691153	2607.102452065766	65.95067288362	65.95067288362
674	238	176054	73238.8586773035	948817.3170250766	-0.948043930031615	-100.0540118	367541.89650582305	473122.70253928	2762.53543428561	2671.300470770841	2599.658723546684	2608.2001682771574	71.64174341617263	63.1003249563495
675	238	176055	73898.8586773035	948817.3170250766	-0.9480432681877	-100.0537782	367742.8841036015	473122.71832224	2766.174647547303	2660.518730571544	2599.602977135423	2609.38877921537	69.9120672699549	69.16661316513
676	238	176056	74558.8586773035	948817.3170250766	-0.94804291091557	-100.0535445	367943.7157447496	473121.727	2757.22640392314	2757.22640392314	2601.095936	2601.095936	65.6755874	67.32739655684
677	238	176057	75218.8586773035	948817.3170250766	-0.94804248649955	-100.0533181	368144.8598185555	473121.73590077	2758.287187195953	2656.9266547978	2598.68017	2603.9657558896	67.2486727846018	55.9907899108706
678	238	176058	75878.8586773035	948817.3170250766	-0.94804248649955	-100.0533181	368346.968484959	473121.73590077	2757.287187195953	2656.9266547978	2598.68017	2603.9657558896	67.2486727846018	55.9907899108706
679	238	176059	76538.8586773035	948817.3170250766	-0.94804136882269	-100.0528433	368548.063277459	473121.73590077	2756.33659392344	2597.25467789008	2597.25467789008	2602.71020257178	66.065501014657	50.2513570214503
680	238	176060	77198.8586773035	948817.3170250766	-0.9480410383898	-100.0526093	368747.8202	473121.76172862	2769.76474574303	2660.518730571544	2596.201421390196	2612.088564129465	64.31713682676	48.430170262079
681	238	176061	77858.8586773035	948817.3170250766	-0.948040312739753	-100.0523764	368940.8070325167	473119.77108468	2767.15400508872	2595.3185689213	2611.53842523897	2633.954361803712	47.17555580593487	
682	238	176062	78518.8586773035	948817.3170250766	-0.94803977926316	-100.05214235	369149.7937	4731193.78060331	2782.9611261403984	2656.910555469173	2594.48724468265	2608.146554413944	48.7420130886508	48.7420130886508
683	238	176063	79178.8586773035	948817.3170250766	-0.94803923895463	-100.0519065	369350.7803346078	4731189.79329977	2783.81425834268	2655.108717590460	2593.730424257045	2604.68552136964	47.3783573325592	50.42216506719104
684	238	176064	79838.8586773035	948817.3170250766	-0.94803969476237	-100.0516749	369549.76979648	4731185.80023419	2796.374912075038	2653.308992425036	2593.13685526732	2607.95865404772	50.53963586582625	
685	238	176065	80498.8586773035	948817.3170250766	-0.94803914839641	-100.0514134	369748.7539771	4731181.9508272	2798.4819581679	2651.483253349961	2591.483253349961	2607.95865404772	50.53963586582625	
686	238	176066	81158.8586773035	948817.3170250766	-0.94803869752676	-100.0512078	369943.788382175	4731175.80271859	2801.25176412075038	2649.5506769249	2590.4137533326	2601.2846365917626	77.7987465251628	48.43591408748625
687	238	176067	81818.8586773035	948817.3170250766	-0.948037036	-100.0509738	370154.7254							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREVELogKgr.ft	BREVEBothKgr.ft	SatThBoth.ft
29	17319	352641.1413	948477.3170250766	39.76709288	-102.047406	237373.3622182098	4374045.38756453	3886.072139251823	3660.7569929255101	3571.451940199874	35.762975507564006	39.30505272563641	84.45944216810993
30	17319	351801.1413	948477.3170250766	39.76116965106414	-102.040394	238074.4725590535	4374041.25994272	3886.70268577513	3659.420430635638	3568.7108210569904	35.777653652400816	39.7090960666753	81.7676782670034
31	17319	351811.1413	948477.3170250766	39.76761404379694	-102.040394	238275.5981403647	4374037.13255042	3887.33396141573	3658.975109471108	3568.23432000093	35.781356618	39.7376618	78.638619
32	17319	350481.1413	948477.3170250766	39.76165	-102.040394	238476.6976623947	4374033.005	3885.422654479045	3565.7200564279045	3564.023210394843	35.68064836	39.692253984215	76.077020740428
33	17319	349821.1413	948477.3170250766	39.76188847466132	-102.0380597	238677.80892513725	4374031.87544149	3881.0175366179621	3655.36699204401	3561.9077739603738	35.6865090473738203	39.641252806739	68.84782286721061
34	17319	349161.1413	948477.3170250766	39.762183115531	-102.0357231	238878.9192923474	4374024.716548414	3878.5820807590124	3653.9834584581424	3559.86373256608	35.685.795572196738	39.6412128263427	68.1882732804462
35	17319	348501.1413	948477.3170250766	39.7623671003126	-102.0333865	239080.03607468907	4374020.62114775	3876.291452909133	3652.6016385122057	3557.884747935654	35.686.558539	39.641760558694209	66.40395890428548
36	17319	347841.1413	948477.3170250766	39.7626502361368	-102.0310499	239281.1416154514	4374016.49872938	3873.92655	3651.214568496923	3556.032032038045	35.685.450579840238	35.17844274588781	65.75989717005446
51	17319	347691.1413	948477.3170250766	39.76269492636262	-102.0287133	239462.5581403647	4374013.378257359	3873.92655141573	3649.810171995818	3554.594071847664	35.685.9436897838	35.6170004751685	78.638619
39	17319	346521.1413	948477.3170250766	39.7630801577788	-102.0263766	239683.3613603454	4374008.24676965	3871.34135859154	3648.400373090395	3552.7664470712616	35.678.015349576987	35.6349084	69.7392025040185
39	17319	345861.1413	948477.3170250766	39.76331635355981	-102.02404	239884.0710373577	4374004.12180111	3868.72462384047	3646.88293	3551.0075060711097	35.75.6837210779972	35.647553805407	71.29923157635283
40	17319	345201.1413	948477.3170250766	39.7635352660798	-102.0217034	240085.580528587	4373999.95602782	3863.787499357575	3645.555893437595	3548.914057609676	35.72.558623541726	35.64183527466336	73.30030039036698
41	17319	344541.1413	948477.3170250766	39.76378914522485	-102.0193668	240266.6897257871	4373995.807337978	3864.1178643619983	3644.1178643619983	3547.1358878275537	35.68.42712097195	35.68197835444588	75.670526248021
42	17319	343881.1413	948477.3170250766	39.76402457303294	-102.0170302	240487.7986660767	4373995.745285687	3862.609121212973	3642.670904129778	3545.6591718731374	35.65.6911290513978	35.70.11903440076	78.9296136283827
43	17319	343221.1413	948477.3170250766	39.7642595495031	-102.014836	240688.9073395059	4373997.6280459015	3854.68271800222	3641.271019444629	3544.0705473200273	35.60.61584740387725	35.71.48554259487225	80.047689990780
44	17319	342561.1413	948477.3170250766	39.7644940746352	-102.012357	240890.0157757032	4373983.49581819	3853.782978330643	3639.7502978330643	3542.324040297446	35.57.312491840044	35.72.458034905983	81.45280394005983
45	17319	341901.1413	948477.3170250766	39.7647281484287	-102.0100204	241191.123945472	4373979.371403829	3847.127983041938	3638.294397489244	3540.4153266230405	35.54.1478024902445	35.73.97809786620362	84.15061724
46	17319	341241.1413	948477.3170250766	39.7649617708835	-102.0076838	241292.2135882723	4373975.247012518	3843.8052915955177	3636.825247247192	3540.3848393296647	35.50.3032145034	35.74.9609060766	86.522151021579
47	17319	340581.1413	948477.3170250766	39.7651948419987	-102.0053471	241493.3381595557	4373971.123211706	3840.254055839404	3635.350678736985	3536.839667742901	35.51.1233830876	35.81100813079756	84.23834007
48	17319	339921.1413	948477.3170250766	39.7654714641777	-102.003015	241694.4469170737	4373966.9994343575	3838.6582910627078	3633.870502444472	3535.053024394244	35.50.545768447617	35.82.347339986623	85.7324339986623
49	17319	339261.1413	948477.3170250766	39.765695930292	-102.0006739	241895.5546238037	4373962.75899478	3833.096126284751	3632.384537013173	3533.267958248935	35.49.909975850289	35.81.169505860133	82.47546758482837
50	17319	338601.1413	948477.3170250766	39.76589174730364	-101.998373	242096.6059520522	4373958.75571055	3829.536251507425	3630.862611645687	3531.4853759800476	35.50.320743263928	35.80.740518451897	80.574748800373
51	17319	338041.1413	948477.3170250766	39.76590971133565	-101.996444	242297.1236852697	4373951.47187433	3827.91196834598	3629.9467969462	3529.841941521257	35.51.041545348992	35.81.041545348992	79.58770059473
52	17319	337281.1413	948477.3170250766	39.766354	-101.99364	242498.8739553383	4373950.5043557	3825.15210596232	3627.932077202717	3528.02010735811	35.52.36230529691	35.8702271862076	75.5260073209083
53	17319	336621.1413	948477.3170250766	39.7665844905373	-101.9913274	242699.8809867633	4373946.383734468	3820.75105532879	3626.379511068153	3526.278820918655	35.52.7862267352	35.80.1006915129648	73.6771229079922
54	17319	335961.1413	948477.3170250766	39.76681450226394	-101.9898908	242901.086	4373942.261381181	3817.951075095264	3624.86236014550	3524.507100483365	35.52.062719232411	35.80.352608113634	72.750860409331
55	17319	335301.1413	948477.3170250766	39.7670440626478	-101.986541	243102.19157338343	4373938.1238415795	3813.798867319997	3623.388904348996	3522.98260421877	35.52.747325541165	35.80.3598614279623	71.9607970794309
56	17319	334641.1413	948477.3170250766	39.7672731716882	-101.9843175	243303.2969342662	4373934.016633765	3808.294961332993	3621.8084047876373	3621.2942840578808	35.54.2547591616328	35.81.014720729564	77.5534562150453
57	17319	333981.1413	948477.3170250766	39.7675019253948	-101.9818169	243504.4020453672	4373929.849698361	3802.79106834598	3619.917473702023	3519.610419429055	35.54.194740387725	35.81.014720729564	79.758770059473
58	17319	333321.1413	948477.3170250766	39.76779035776805	-101.979442	243705.7003573605	4373917.673353605	3797.287176844555	3618.73894944555	3518.1018195	35.54.07809505487	35.80.636113130818	81.2411199945087
59	17319	332661.1413	948477.3170250766	39.7679579077446	-101.9773076	243906.61149142438	4373921.651904757	3793.76580358308	3617.20468054932	3516.602719746867	35.53.1466329724265	35.80.5562097784047	82.0598465990162
60	17319	332001.1413	948477.3170250766	39.7681850940048	-101.974971	244171.758364525	4373917.531	3792.13908781618	3615.6781431846603	3515.203778116385	35.50.747320720474	35.80.4743650827535	81.814564399148626
61	17319	331341.1413	948477.3170250766	39.7684119467234	-101.9726343	244308.8198281443	4373913.40960706	3790.5415618692487	3614.153770099943	3513.8322689034904	35.54.2547591616328	35.80.352608113634	80.0003438746019
62	17319	330681.1413	948477.3170250766	39.7686383476943	-101.9702977	244509.92376670794	4373909.288857251	3788.94422466182	3612.783471651191	3512.5923909151666	35.54.277491631195	35.80.0415073583459	78.3563051860939
63	17319	330021.1413	948477.3170250766	39.7688642973184	-101.9679611	244711.0725234817	4373905.18	3787.1195231850957	3611.1195231850957	3511.5126528513723	35.83.958198526438	35.80.660653772254	75.555636868767
64	17319	329361.1413	948477.3170250766	39.769097955567	-101.965444	244912.1308526957	4373901.47187433	3785.91473702023	3609.81130641778	3510.610419429055	35.54.194740387725	35.81.041545348992	79.758770059473
65	17319	328701.1413	948477.3170250766	39.76931484252574	-101.963278	245113.2338	4373896.2688745596	3783.608987475596	3608.116584032687	3510.155197393818	35.83.958198526438	35.83.958198526438	69.21569851185815
66	17319	328041.1413	948477.3170250766	39.769534381079	-101.960511	245314.3356377927	4373892.80767034	3785.50730752896	3606.62208	3509.72048251282	35.83.958198526438	35.83.958198526438	69.21569851185815
67	17319	327381.1413	948477.3170250766	39.7697635823419	-101.9586145	245515.43816978172	4373889.00862349	3783.58388558308	3605.144953164637	3509.3282827056597	35.83.958198526438	35.83.958198526438	69.21569851185815
68	17319	326721.1413	948477.3170250766	39.7699872752275	-101.9562778	245716.541933889	4373884.56845999	3795.4917040255404	3603.6828181855103	3508.743686276245	35.16.0573115184475	35.83.958198526438	69.21569851185815
69	17319	326061.1413	948477.3170250766	39.77021051676374	-101.9539412	245917.64366630994	4373880.494187973	3790.384919554951	3602.37878254037	3507.978927418665	35.83.958198526438	35.83.958198526438	69.21569851185815
70	17319	325401.1413	948477.3170250766	39.7704333065056	-101.9516403	246118.74538727476	4373876.300742665	3808.307173495442	3600.81052616219583	3507.130914774853	35.80.48530161612	35.83.958198526438	69.21569851185815
71	17319	324741.1413	948477.3170250766	39.7706573372446	-101.949312	246320.9487549835	4373872.06920177	3813.19190267334	3598.02511358577	3506.816584032687	35.83.958198526438	35.83.958198526438	69.21569851185815
72	17319	324081.1413	948477.3170250766	39.7708773372446	-101.9470594	246522.9487549835	4373868.0920177	3813.19190267334	3598.02511358577	3506.816584032687	35.83.958198526438	35.83.958198526438	69.21569851185815
73	17319	323421.1413	948477.3170250766	39.7711098964101	-101.9445964	246722.9487549835	4373864.97033995	3813.19190267334	3598.02511358577	3506.816584032687	35.83.958198526438	35.83.958198526438	69.21569851185815
74	17319	322761.1413	948477.3170250766	39.771399543044	-101.9422579	246923.1502602545	4373859.857						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.ft	SatHLogs.ft	SatHBoth.ft
159	29	176275	-269301.1413	948477.3170250766	39.4787720473595	-101.7529842	63331.50301938143	473325.981	3654.0502370755835	4082.0876402779	3340.221266045203	3340.794297049184	141.86660131825874	141.2935703
159	29	176276	-268641.1413	948477.3170250766	39.4787904	-101.750475	63342.58136925906	473522.880373643	3651.865433469187	3647.0459439478	3339.4235697301495	3337.398356117534	141.24956469164856	141.27506163870447
159	29	176277	-268021.1413	948477.3170250766	39.4788024112291	-101.7483107	63361.6647129471	473518.729913472	3649.671932	3479.278011618648	3338.53621910296	3334.141767398943	140.751377786398	141.382342191407
159	29	176278	-267321.1413	948477.3170250766	39.47882711310881	-101.7457939	63381.74520965705	473514.67944897	3647.489829014687	3477.80517519029	3337.474119820304	3330.074555056093	140.751377786398	141.27506163870447
159	29	176279	-266661.1413	948477.3170250766	39.47884539296532	-101.7436372	63401.582547304116	473510.975228182	3645.192305617128	3475.5248914070125	3336.235223956542	3330.162516963923	140.2897574515864	140.38276438403428
160	29	176280	-266001.1413	948477.3170250766	39.47886309674455	-101.7413004	63421.961056305016	473506.479201018	3642.785635367679	3475.167468910053	3334.785269585481	3329.3442293386533	140.322593552442	145.8321375
161	29	176281	-265341.1413	948477.3170250766	39.478881724503	-101.7389636	63441.746738540126	473502.37987552	3640.7384421450762	3473.822961612818	3332.6811061947124	3330.346512183386	141.14185541810546	138.11635831311367
162	29	176282	-264681.1413	948477.3170250766	39.47889990767708	-101.736629	63461.9646664771	473498.273978756	3637.917241488508	3472.4913721579936	3330.8112341488508	3330.731970283624	141.6798336948556	137.117523211696
163	29	176283	-264021.1413	948477.3170250766	39.47891788976515	-101.7342891	63481.9629652554	473494.18309634	3635.404929695992	3470.278011618648	3329.1036981599	3335.805098444238	143.6694314414482	141.27506163870447
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165	29	176285	-262621.1413	948477.3170250766	39.478954051614184	-101.7296165	63522.2023689064	473495.982250288	3624.954051166151	3468.579308202653	3323.79652113631	3362.6167988183919	144.79308371069304	105.9622234224335
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169	29	176289	-260061.1413	948477.3170250766	39.47902552882027	-101.720294	63602.61542950023	473479.584889835	3617.11504552666	3463.578765848795	3318.7416234299344	3313.8504847346287	144.13550452045213	147.2842931034984
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193	29	176313	-244221.1413	948477.3170250766	39.47943934818306	-101.6641864	64084.1260772275	473371.29702381	3574.08194074141	3430.95221215	3276.8102827343081	3263.8416234299344	154.7374402787978	153.7374402787978
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197	29	176317	-241581.1413	948477.3170250766	39.479505880075	-101.6551338	64164.1260772275	473354.9120307	3566.540871049564	3423.42730515624298	3269.875445206973	3265.7845718214822	154.7374402787978	153.7374402787978
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199	29	176319	-240261.1413	948477.3170250766	39.47953782									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatH.Lt.kg.ft	SatHBoth.ft
287	239	176401	-186141.1413	948477.3170250766	39.4807346548321	-101.4585437	288545.9323	4737011.936277904	3505.01382	33283.7608988685245	3175.9248597668097	3170.457874	307.8302697177477	113.3303151386447
282	239	176402	-185481.1413	948477.3170250766	39.4807346548321	-101.4585437	288748.984565277	4737007.86201105	3452.726908524055	3292.427304250689	3172.6267593132375	3167.850943	309.8005493475138	114.5763816291076
283	239	176403	-184821.1413	948477.3170250766	39.4807346548321	-101.4585437	288949.0381156867	4737003.78795054	3427.937527514537	3311.048416454207	3169.208119612971	3167.029898905653	311.89612737545691	115.12737545691
284	239	176404	-184161.1413	948477.3170250766	39.48077264818703	-101.451533	289149.1015007673	4737099.714139748	3447.060315412296	3297.471437879805	3163.873151	314.3167088	311.8529964036288	115.8529964036288
285	239	176405	-183501.1413	948477.3170250766	39.48078522234615	-101.4491961	289350.1436813249	4737995.640515713	3440.044965733108	3278.4819223950044	3161.5460972461815	3167.91544848472387	316.93828514882291	117.28647254872657
286	239	176406	-182841.1413	948477.3170250766	39.480777135893	-101.4468592	289515.19600554794	4737991.71461701325	3441.0294547373803	3277.179462175142	3157.443450090060	3158.13740127615959	310.74801197891582	114.0178975811658
287	239	176407	-182181.1413	948477.3170250766	39.480810235231615	-101.4445223	289752.24812294217	4737987.439989314	3441.1271492024082	3275.882098656106	3153.3996427675856	3154.9244547924635	312.48245405995203	120.9475610642471
288	239	176408	-181521.1413	948477.3170250766	39.48082273968284	-101.4421854	289953.301336566	4737993.420090373	3444.337489774344	3274.588628626693	3149.750103019304	3151.9304847647434	314.8362842739242	122.6682265199529
289	239	176409	-180861.1413	948477.3170250766	39.48083678744405	-101.4386489	290154.3516380104	4737979.3481220136	3447.5436386752639	3273.2978642940575	3147.09041486968	3149.8412808984058	316.20752279708859	122.6558338501174
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293	239	176413	-178221.1413	948477.3170250766	39.48088419048664	-101.4305009	290958.556953675	4737963.059102058	3450.441121375638	3138.0999405719463	3144.9493933353124	3156.47568281445654	312.1505472366338	111.353112472738089
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302	239	176422	-172281.1413	948477.3170250766	39.48099267624985	-101.4094868	292768.0053042205	4737926.421130168	3438.539949183705	3123.556995895705	3138.927526566094	3137.75171984841	316.727190109539	118.9425197618371
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313	239	176433	-165021.1413	948477.3170250766	39.48111897094448	-101.3837628	294979.53103204816	4737881.665	3412.198379863434	3124.0146670935481	3123.677984626999	3112.42638690059	317.3368246654906	128.58828010288921
314	239	176434	-164361.1413	948477.3170250766	39.48113814259	-101.3814259	295180.577626104	4737877.597034894	3410.2841773284291	3123.917165524966	3124.036728248469	3115.0711352649994	316.820463704679	129.6042360477024
315	239	176435	-163701.1413	948477.3170250766	39.48114145585165	-101.3793098	295381.6237528728	4737873.52972878	3408.009278784862	3123.44403073226	3124.274146834949	3108.305676235185	3114.482584282474	129.6737281373774
316	239	176436	-163041.1413	948477.3170250766	39.48115263059405	-101.376721	295582.7056913776	4737869.46263306	3406.36931538213	3127.144753610132	3134.3876221015	311.180475895223	316.95442777000719	125.9442777000719
317	239	176437	-162381.1413	948477.3170250766	39.48117670187385	-101.3744151	295783.7165894484	4737865.393477865	3404.2713382915527	3125.8493777819164	3124.41794715674	3109.358305049559	311.41078992034624	111.220723698374
318	239	176438	-161721.1413	948477.3170250766	39.4811748444098	-101.3720782	295984.7624	4737861.329307157	3400.079047415915	3124.5649197039143	3124.307738809092	3140.1915519412894	310.25718089482234	126.973627626249
319	239	176439	-161061.1413	948477.3170250766	39.481185883951646	-101.3697413	296185.800046773	4737857.262680917	3401.25879160384	3123.318183437926	3123.7026500304564	3129.6517981403336	316.7302054	127.0705145894468
320	239	176440	-160401.1413	948477.3170250766	39.481196878119384	-101.3674044	296386.85341210075	4737853.19635134	3394.1318363796053	3122.0013431305615	3122.492413599436	3109.0132491289421	316.50921953112538	112.6726041414065
321	239	176441	-159741.1413	948477.3170250766	39.481207821744175	-101.3650575	296587.8988196881	4737849.133011808	3391.047771155543	3120.727778018145	3121.0395481981383	3124.253448	3109.69227181998678	106.4732759092499
322	239	176442	-159081.1413	948477.3170250766	39.48121873102604	-101.3627306	296784.9352764584	4737845.06478928	3388.0629749	3124.62006877654	3119.426056632725	3116.269990443357	310.0359424493167	107.4270914
323	239	176443	-158421.1413	948477.3170250766	39.48123078133886	-101.3603791	296984.9352764584	4737841.06478928	3386.0629749	3124.62006877654	3119.426056632725	3116.269990443357	310.0359424493167	107.4270914
324	239	176444	-157761.1413	948477.3170250766	39.4812418106006	-101.3580567	297191.033045488	4737836.93344477	3382.8629749	3124.6				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
407	239	176527	-102981.1413	948477.3170250766	39.48189056141694	-101.1640901	32746957.0617	4272500.237	3257.4695743719985	3112.6237020811063	3010.136318117486	3004.9544414950025	3012.48738396362023	107.66926986010384
408	239	176528	-102921.1413	948477.3170250766	39.481987562934444	-101.1671793	31410.09250251034	4274496.19526041	3254.831234873698	3111.5892925568	3004.76336442259	3004.2761724704985	3010.8321888143291	106.7390798
409	239	176529	-102861.1413	948477.3170250766	39.48205569370495	-101.1584162	31422.9118632296	4274262.141701545	3252.120855770397	3109.40055918988	3005.7130625604515	3002.211702348033	3013.6814889623629	107.16938304004694
410	239	176530	-101001.1413	948477.3170250766	39.48200149053605	-101.1570792	314480.14962838024	4274286.5584978375	3249.5545589357823	3107.727914531376	3003.2863951738273	2999.61689919217	3009.61766015336665	109.71660153366665
411	239	176531	-100341.1413	948477.3170250766	39.48200837662016	-101.1547422	3144681.174993101	4274284.047	3245.72581801802357	3106.1495793525064	3002.1062141893235	2994.2867969651928	3010.0433651631829	107.61768283737114
412	239	176532	-99681.1413	948477.3170250766	39.48201521755973	-101.1524053	314882.20827672327	4274200.00296474	3240.70656827015	3104.5125817570943	3002.1386770696284	2990.8845327487977	3012.3790466016586	95.62805846916586
413	239	176533	-99221.1413	948477.3170250766	39.48202201	-101.1500683	315083.2305784528	4274275.95380081	3235.6873563613944	3102.86677866024	3002.236271509091	3005.0057012914578	3010.63030536162267	97.9964594144597
414	239	176534	-98361.1413	948477.3170250766	39.48202876405356	-101.1477313	315284.25806405356	4274271.90707537	3230.738014687039	3101.211587967056	3002.243866370343	2999.0452674511725	3010.76327165996163	102.1663205158834
415	239	176535	-97701.1413	948477.3170250766	39.48203546951135	-101.1453943	315685.28649439325	4274217.236977875	3226.4520721936049	3099.584678652707	3002.082875763643	2993.480322522326	3017.4638091228493	106.1035832945787
416	239	176536	-97041.1413	948477.3170250766	39.4820412367608	-101.1430574	315686.3127015456	4274263.814690232	3223.62340107086702	3091.5305628335247	3001.5305628335247	2999.2248305906017	3016.923961732917	98.1404837623017
417	239	176537	-96381.1413	948477.3170250766	39.48204674509297	-101.1407204	315887.33688213166	4274259.768813611	3222.0042822812994	3096.1790389792012	3000.937649451175	2997.381397467919	3015.93834152643	93.8291220247826
418	239	176538	-95721.1413	948477.3170250766	39.48205351516525	-101.1383834	316088.3648281966	4274255.723146506	3216.217678539287	3094.074265223946	2999.81524374795	2994.9638274741505	304.0538150919321	94.0538150919321
419	239	176539	-95051.1413	948477.3170250766	39.48206184009292	-101.1360464	316289.393	4274251.67789067	3211.725337693974	3092.7708682798157	2998.7823830691405	2997.590497389846	3019.5810878931055	95.1807088931055
420	239	176540	-94401.1413	948477.3170250766	39.48207198175985	-101.1337095	316490.419545342	4274247.632	3206.152320113284	3091.054239320436	2997.7080828708354	2995.888287708354	3013.3461510617814	95.16595161160058
421	239	176541	-9381.1413	948477.3170250766	39.48207475451446	-101.1313725	316891.4458075725	4274234.587403169	3200.923964956969	3089.23964956969	2996.6571027263294	2995.707027263294	3016.93216826033975	93.6216826033975
422	239	176542	-93091.1413	948477.3170250766	39.48208114400023	-101.129035	316892.47189073823	4274239.542574972	3195.0053150610378	3087.5973234989624	2995.5484255466313	2995.1673340339895	3014.019795119711	92.4320946
423	239	176543	-92421.1413	948477.3170250766	39.4820748835748	-101.1268695	317093.4977950379	4274235.498	3192.623403701593	3085.859074489424	2995.04533102205	2991.8048362178284	3019.2642139	94.0542327164168
424	239	176544	-91761.1413	948477.3170250766	39.4820837562036	-101.1243616	317294.5235206758	4274231.453466305	3189.550398310514	3084.1569925812004	2993.9012241271577	2989.6431191107671	3012.47801092471	90.1247801092471
425	239	176545	-91101.1413	948477.3170250766	39.482100041621884	-101.1220246	317495.5491	4274227.40937404	3187.802441318723	3082.3748994381247	2993.2026412410623	2990.648834118316	3018.722581985189	91.52601602788263
426	239	176546	-90441.1413	948477.3170250766	39.482106250537086	-101.1196876	317696.574367925	4274223.36537066	3185.00548327229	3080.638081234472	2992.6330819037633	2989.713185460516	3017.908717550766	90.8671955739565
427	239	176547	-89781.1413	948477.3170250766	39.4821141430758	-101.1173506	317897.5996276797	4274219.31256688	3184.678125723955	3078.908723572359	2992.17083710871	2988.4306284381325	3017.78452619202	90.4727183246629
428	239	176548	-89121.1413	948477.3170250766	39.48211852935339	-101.1150137	318088.624047293	4274215.278005909	3183.703305909505	3077.18599918979	2991.8405717241597	2988.21433962433	3016.205474661892	88.475662523735
429	239	176549	-88461.1413	948477.3170250766	39.48211945340455	-101.1126751	318299.2625054334	4274214.2344717401	3182.951469053038	3076.11601549106	2990.69789091774	2987.709091774	3017.1011539	92.7917355327
430	239	176550	-87801.1413	948477.3170250766	39.482130534750845	-101.1103397	318500.6741	4274207.191453101	3181.83740672901	3073.75081343458	2991.723931212708	2986.198981	3015.5011309375	87.5561006259763
431	239	176551	-87141.1413	948477.3170250766	39.4821361794248	-101.1080027	318701.698614893	4274203.148531061	3180.6713454657995	3072.04643857844	2991.555834	2984.192417291928	3018.4903893232403	87.85426146291603
432	239	176552	-86481.1413	948477.3170250766	39.4821425589306	-101.1056657	318902.7229184576	4274239.105818511	3179.292267538214	3070.343318448637	2991.3275388032523	2982.655650272216	3019.075954153845	87.6876860267474
433	239	176553	-85821.1413	948477.3170250766	39.4821484889147	-101.1033288	319103.744505863	4274235.69326556	3177.9131909418425	3068.664215030171	2991.241564940409	2981.245690897607	3018.21147604	87.21147604
434	239	176554	-85161.1413	948477.3170250766	39.4821542966483	-101.100918	319304.77099591773	4274231.0268272	3176.5314191298644	3066.9557016491426	2990.938225139429	2979.85125287369	3017.64732373372	87.10444636178681
435	239	176555	-84501.1413	948477.3170250766	39.482159686136	-101.0986586	319505.7947986435	4274216.9788784385	3174.161695996607	3065.271469053038	2990.611601549106	2978.698981259853	3017.6589861259853	86.861589
436	239	176556	-83841.1413	948477.3170250766	39.4821657572917	-101.0963178	319708.613587574	4274212.85841298	3173.801210129053	3060.5805879007	2990.30050607768	2978.97194358213	3017.73305717297394	86.97305717297394
437	239	176557	-83181.1413	948477.3170250766	39.482175169052134	-101.0939808	319907.84178533536	4274213.7878589	3162.44046653201	3057.141296835577	2989.870634763272	2982.207603	3017.616205954927	79.0489334360673
438	239	176558	-82521.1413	948477.3170250766	39.4821772623028	-101.0916439	320108.8650352993	4274213.853824064	3157.078792023671	3060.2351071560863	2989.3667704729756	2987.60115294325	3017.868093411073	72.6339721283514
439	239	176559	-81861.1413	948477.3170250766	39.48218285626363	-101.0893069	320309.8810568594	4274213.85258297	3152.334418191254	3058.56022926788	2988.762966010503	2992.59540721156	3017.797325673805	65.9648850722882
440	239	176560	-81201.1413	948477.3170250766	39.4821843515211	-101.086969	320510.9110070043	4274236.77150204	3144.34431494205	3056.890055	2988.129204837212	2996.414827917088	3016.74849738205	64.74849738205
441	239	176561	-80541.1413	948477.3170250766	39.48219369895785	-101.0846329	320711.9373205471	4274232.76066525	3143.975362102335	3053.32312215169	2987.93133237339	2987.653521725052	3017.91978817926	57.91978817926
442	239	176562	-79891.1413	948477.3170250766	39.48219845340455	-101.082259	320912.8625054334	4274232.9625054334	3143.975362102335	3053.32312215169	2987.93133237339	2987.653521725052	3017.91978817926	57.91978817926
443	239	176563	-79221.1413	948477.3170250766	39.4822048948488	-101.079959	321113.978356514	4274233.64966111	3138.319452102322	3051.7677367457	2985.46053434658	2983.5865174971636	3017.91978817926	57.91978817926
444	239	176564	-78561.1413	948477.3170250766	39.4822102512572	-101.077622	321315.000831409	4274230.69371747	3133.541056380755	3049.325385759	2984.515420564726	2982.261293507262	3017.91978817926	57.91978817926
445	239	176565	-77901.1413	948477.3170250766	39.48221564241686	-101.075285	321516.022852347	4274236.56932681	3130.70980680387	3048.73241612838	2983.4774060388924	2982.60868276565	3017.91978817926	57.91978817926
446	239	176566	-77241.1413	948477.3170250766	39.4822209484091	-101.072948	321717.046994685	4274232.5993335	3127.905011838019	3047.136638088282	2982.6330819037633	2989.80789113868	3016.5028312325384	56.24874694790035
447	239	176567	-76581.1413	948477.3170250766	39.48222620931529	-101.070611	321918.0663762896	4274233.49973355	3125.459343521535	3045.5513470796631	2981.516381739367	2982.21047347361	3016.5028312325384	56.24874694790035
448	239	176568	-75921.1413	948477.3170250766	39.48223145044895	-101.068274	322119.087720067	4274234.40597276	3114.37203680524	3043.6796860309	2978.86141489474	2983.06250396713	3016.5028312325384	56.24874694790035
449	239	176569	-75261.1413	948477.3170250766	39.48223670529919	-101.065937	322320.1139735614	4274235.42711596	3112.4142711596	3042.4142711596	2978.86141489474	2983.06250396713	3016.5028312325384	56.24874694790035
450	239	176570	-74601.1413	948477.3170250766	39.48224172106874	-101.0636001	322521.1303565274	4274236.32459841	3110.39738670807	3040.96578820479	2978.305811703734	2982.933974905203	3017.420751010582	55.84239175142993
451														

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRELEVLogKrg	BRELEVLogKrg	AtiThosKrg	SatThBothr
529	176653	-1921.14133	948477.3170250766	39.48250975649912	-100.8696294	392905.3023	4371991.8676269535	3011.8872082275984	2811.2596026081452	2830.0492633437016	2831.3518523298986	81.2103394575025	79.90775047176521
534	176654	-19161.14133	948477.3170250766	39.48251108973719	-100.867254	39406.307	4371987.846426203	3010.978887625237	2806.754995237446	2832.8242747738496	2834.1104591547716	76.95315474991776	65.6605403693156
538	176655	-18891.14133	948477.3170250766	39.48251237762979	-100.864954	39807.31687027	4371985.832241153	3009.2614411453204	2808.2674695846344	2835.5280348596977	2848.728030451208	72.7577113996669	59.492481321363
539	176656	-17841.14133	948477.3170250766	39.48251362077694	-100.8626184	33908.9238444656	4371979.804250795	2906.70072778454	2837.8403952274266	2848.094133083985	2857.932575511645	58.6384907605802	57.8348890706082
537	176657	-17181.14133	948477.3170250766	39.48251485178671	-100.8602814	34009.3307044467	4371975.78341021	3004.9881476266375	2905.292127231752	2839.845451239665	2847.306394	57.885476597778471	57.9875348970103
538	176658	-16521.14133	948477.3170250766	39.48251591234804	-100.8579444	34010.3374094065	4371971.762910121	3002.7735162298374	2903.729962337572	2841.1081145873977	2845.6717783784	62.68486154794535	58.11581745
539	176659	-15861.14133	948477.3170250766	39.48251707845572	-100.8556074	34011.344	4371967.72255128	3000.3843838702996	2902.28278227149	2841.6844157655894	2842.852735145037	60.60846047656595	59.44035767545274
540	176660	-15021.14133	948477.3170250766	39.48251814111075	-100.8532704	34012.3535052476	4371963.724422448	2907.820609902495	2900.791571548124	2841.64548413829	2841.9308902924537	58.1406974089949	59.42067351668636
541	176661	-14541.14133	948477.3170250766	39.48251915833365	-100.8509334	34013.355961368	4371959.704640486	2906.29688291958	2904.867246581098	2841.6168553212567	2842.94064798607	58.72789034546226	57.9448985958874
542	176662	-13891.14133	948477.3170250766	39.48252013040481	-100.8485953	34114.362859125	4371955.827326985	2902.69153758746	2897.7845753175816	2839.69890342942	2839.945675403045	58.8709407463365	57.8348890706082
543	176663	-13221.14133	948477.3170250766	39.48252105733361	-100.8462593	34115.3638146793	4371951.63203943	2900.77690169658	2896.278461845044	2838.0279746592014	2838.0279746592014	58.25048718602046	54.20925060133351
544	176664	-12561.14133	948477.3170250766	39.482521993116936	-100.8439223	34116.374393144	4371947.634959513	2988.500120076728	2894.770315950403	2836.3454168677054	2834.453606184346	54.48990826977	51.3167097660847
545	176665	-11901.14133	948477.3170250766	39.4825227755518	-100.8415853	34117.3801173522	4371943.625	2988.239334563978	2893.299166036612	2834.8794374957919	2836.905390466612	58.380491703825	56.2693865720593
546	176666	-11241.14133	948477.3170250766	39.48252357	-100.8392483	34118.3855884074	4371939.60	2986.97055638698	2891.748860523825	2833.90425065195	2830.699060477832	61.0488260074762	57.41048260074762
547	176667	-10581.14133	948477.3170250766	39.48252431359431	-100.8369113	34119.39050059595	4371935.767203076	2986.59849013678	2890.234690367617	2833.194747446427	2825.50896251034	57.0399492	64.7257377482766
548	176668	-9901.14133	948477.3170250766	39.48252501479567	-100.8345743	34220.3960702042	4371931.5872335	2984.126042571106	2888.720107408654	2831.17673739025	2822.86452	57.0033331798295	65.855741815232
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
59	239	16778	63338.8586730335	948477.3170250766	-00.482322224011405	-00.5751673	348531.0654287144	3741486.810208354	2826.748555721727	2687.1070694443365	2671.339368165879	2643.186703202866	26.807701278457444	54.9603662417064
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601	239	16781	63408.8586730335	948477.3170250766	-00.5728033	364833.043914378	3741478.821890254	2819.5437632941334	2694.17942638185	2614.487169581433	2626.013397014854	26.84626397004167	53.74910316460773	54.94556417454554
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642	239	16822	63818.8586730335	948477.3170250766	-00.4750176	373173.0493358545	3741315.20643938	2794.17908808266	2623.228827847134	2553.105700304334	2572.35473961183	72.1249899128193	50.7714131252326	
643	239	16823	63828.8586730335	948477.3170250766	-00.472734	373374.4783799657	3741311.22689736	2791.356135705677	2621.5956791121084	2554.107896784044	2570.22192867377	64.7337138026422	51.5737492833154	
644	239	16824	63838.8586730335	948477.3170250766	-00.470003	373575.4586212177	3741307.23462486	2792.220624570657	2619.973632237383	2553.20324605744	2566.42713583946	67.4431313584447	53.54649253549715	
645	239	16825	63848.8586730335	948477.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg.f	BRrElevLogsKrg.f	SurfAttnKd.f	SatTbth03.f
43	240	176905	-341901.1413	950137.3170250766	39.478285525209046	-102.0100605	241095.257993518	437410.686796997	3529.257951490081	3527.0176057830586	3539.5251636169173	3552.7965622263437	39.47442216614125	84.22104356
46	240	176908	-341241.1413	950137.3170250766	39.478308860537424	-102.0077138	241296.36583787402	437416.765262974	3447.0504531166016	3635.5615471646722	3538.037234851029	3552.1403989335577	39.51414668	83.41107271316423
47	240	176907	-340681.1413	950137.3170250766	39.4783223250766	-102.0033051	241697.41122547802	437417.438026522	3543.869414110146	3524.800173724936	3538.0146316209974	3550.0198316490673	39.48050290423613	84.06036040329417
48	240	176906	-339921.1413	950137.3170250766	39.47835478337333	-102.0030405	241698.5802964552	437416.814028942	3546.877892520893	3562.603480975533	3534.272609705893	3558.140398123683	39.33087114431737	84.64339633779933
49	240	176909	-339621.1413	950137.3170250766	39.478378705776436	-102.0007308	241899.6887189056	437416.1902141021	3837.51512261196201	3531.1213735361096	3532.5328573625875	3547.8037836154406	39.588851799325125	83.3179174066929
50	240	176910	-338601.1413	950137.3170250766	39.47840189	-101.9963035	242100.9002972088	437415.822001154	3834.3426301172636	3529.6336986472647	3530.79756853064	3547.8244857729214	39.63013005366078	81.80912787
51	240	176911	-337941.1413	950137.3170250766	39.47842502524889	-101.9960305	242301.9002972088	437415.822001154	3831.212779988225	3528.140337088825	3529.34382362638	3547.7078073610348	39.79101699724447	80.43205305372117
52	240	176912	-337281.1413	950137.3170250766	39.47844811728214	-101.993638	242503.0046435181	437415.822001154	3828.125171968489	3526.641192649211	3527.422669692753	3548.414632744463	39.81256259644356	78.2265506464818
53	240	176913	-336621.1413	950137.3170250766	39.478471161480064	-101.9913571	242704.1125547802	437417.438026522	3625.1389197027444	3525.718954628956	3524.9146316209974	3547.13607467636	39.772237862918359	83.4477360762918359
54	240	176914	-335961.1413	950137.3170250766	39.47849416594225	-101.9894204	242905.21800130296	437414.63574	3821.951572151078	3523.525289131182	3522.9839705769707	3546.272159711747	39.641319255797	71.352699
55	240	176915	-335301.1413	950137.3170250766	39.47851712256959	-101.9868387	243106.323326382	437413.9451789991	3817.5469310978337	3521.84090644082	3522.486217280826	3542.73383708979	39.735701225463302	79.10751225463302
56	240	176916	-334641.1413	950137.3170250766	39.47854004011115	-101.984347	243307.4285306436	437413.532943504	3811.831782406202	3520.588555	3520.807803485428	3539.5230417378107	39.77805138621216	81.0628131382942
57	240	176917	-333981.1413	950137.3170250766	39.47856290047415	-101.9820103	243508.5341131313	437413.207249624	3806.117553962606	3519.0957699783574	3535.9645805074597	3542.75482748224909	39.839264758334684	83.09246378334684
58	240	176918	-333321.1413	950137.3170250766	39.4785857163755	-101.9796736	243709.6380438134	437413.05484339	3800.40112925459471	3517.528519549471	3517.5480252690268	3543.282643160348	39.9804942804442	83.24567638916642
59	240	176919	-332661.1413	950137.3170250766	39.47860849772234	-101.9773369	243910.74241957194	437412.957059469	3796.1031125950552	3516.02515768011108	3516.02515768011108	3543.980494280442	39.980494280442	84.1475728555561
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61	240	176921	-331341.1413	950137.3170250766	39.47865301448483	-101.972636	244310.5401068986	437411.712020009	3792.893203170033	3512.963475378741	3512.963475378741	3532.985944812278	39.100220365768407	84.004035065646302
62	240	176922	-330681.1413	950137.3170250766	39.47867655516247	-101.9703269	244514.054026455	437410.519996052	3790.948830311033	3511.4513701715787	3511.4513701715787	3535.95053559267	39.98545183123042	83.7613165771156
63	240	176923	-330021.1413	950137.3170250766	39.478699915	-101.9679802	244715.1573831252	437410.6479130655	3789.4162476631304	3509.9452327269108	3510.115254527179	3528.588411454285	39.82989271492914	81.3568281482251
64	240	176924	-329361.1413	950137.3170250766	39.47872170111029	-101.9656535	244916.2609455945	437410.235804818	3788.462284727195	3508.462284727195	3508.462284727195	3529.5291618383233	39.3126017658173	78.943366465697
65	240	176925	-328701.1413	950137.3170250766	39.4787442260383	-101.9633168	245117.3633570892	437409.2380912527	3787.054120391308	3506.95951699772	3506.64330698949	3523.869147585381	39.3126017658173	78.943366465697
66	240	176926	-328041.1413	950137.3170250766	39.4787666651454	-101.96098	245318.45859624206	437409.11789071	3785.873565355966	3505.4795263407196	3505.360313535406	3528.544492775147	39.11561178	76.930933379711
67	240	176927	-327381.1413	950137.3170250766	39.47878888834384	-101.9586623	245519.5581566157	437408.906815681	3784.58888777422	3505.54888	3505.54888	3527.869147585381	39.11561178	76.930933379711
68	240	176928	-326721.1413	950137.3170250766	39.47881145137459	-101.956306	245720.6704101285	437408.87162885	3791.994542518403	3502.5454738425	3502.5454738425	3513.625736420345	39.34439318518116	88.928963190795
69	240	176929	-326061.1413	950137.3170250766	39.47883377101097	-101.9539699	245922.722668741	437408.7585371	3786.496229058980	3501.176686329	3506.27588447924	3507.24173170737	39.48228239	93.8795505219537
70	240	176930	-325401.1413	950137.3170250766	39.47885605569099	-101.9516332	246122.673684471	437407.63213077	3800.943892545213	3509.699631320214	3505.246823068937	3500.231527557417	39.4531406	99.4638257245979
71	240	176931	-324741.1413	950137.3170250766	39.47887829014413	-101.9492965	246323.9721179606	437407.502074938	3804.046774014518	3508.30520582894	3503.945397856463	3496.166696082081	39.4531406	99.4638257245979
72	240	176932	-324081.1413	950137.3170250766	39.47890047642474	-101.946958	246525.073676336	437406.9014149294	3800.777832461215	3506.91660116791	3502.541663520460	3493.113287342173	39.4531406	100.034138257376
73	240	176933	-323421.1413	950137.3170250766	39.478922634384	-101.9446231	246726.3781605336	437406.457281299	3795.58388777422	3505.54888	3505.54888	3493.113287342173	39.4531406	100.034138257376
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75	240	176935	-322101.1413	950137.3170250766	39.4789667760885	-101.9399496	247128.3781906155	437405.745645261	3809.1687775003215	3502.8605040533	3498.676303	3492.536528194304	39.18375432	100.3260439931867
76	240	176936	-321441.1413	950137.3170250766	39.47898878538129	-101.9376129	247329.4828451855	437405.27569551	3807.296348997515	3501.53643498675	3498.057812515526	3496.474832814063	39.18375432	100.3260439931867
77	240	176937	-320781.1413	950137.3170250766	39.4790174901735	-101.9352762	247530.5781214062	437404.80760309	3805.421920495893	3500.223681309521	3496.8806419340003	3500.760784164706	39.34033935752068	89.4820774481509
78	240	176938	-320121.1413	950137.3170250766	39.47903267516954	-101.9329395	247731.677127193343	437404.69205523	3804.548491991887	3508.91946095753	3492.013703160633	3493.760346274059	39.34033935752068	89.4820774481509
79	240	176939	-319461.1413	950137.3170250766	39.47905454080056	-101.9306028	247932.7770610225	437404.57617188	3801.892494244474	3507.622085695535	3483.4234966727463	3500.393932105205	39.18375432	89.4820774481509
80	240	176940	-318801.1413	950137.3170250766	39.47907636910654	-101.928362	248133.8781605336	437404.367191299	3805.453271125459	3506.91660116791	3502.541663520460	3493.113287342173	39.18375432	89.4820774481509
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82	240	176942	-317481.1413	950137.3170250766	39.4791198015009	-101.923592	248536.0736029248	437402.235276822	3797.576792384305	3505.757092530562	3497.020176272446	3501.1623350589757	39.18375432	89.4820774481509
83	240	176943	-316821.1413	950137.3170250766	39.47914158266654	-101.9212559	248737.1719506233	437402.10688822	3793.988133224434	3503.744155129426	3496.723475511945	3501.1623350589757	39.18375432	89.4820774481509
84	240	176944	-316161.1413	950137.3170250766	39.47916323606411	-101.9189191	248938.2704980211	437401.990612036	3788.249380796837	3501.91481237139	3465.6235504320234	3499.75037366241	39.18375432	89.4820774481509
85	240	176945	-315501.1413	950137.3170250766	39.479184831390246	-101.9165824	249139.3670054538	437401.815	3785.121062812432	3501.91481237139	3465.6235504320234	3499.75037366241	39.18375432	89.4820774481509
86	240	176946	-314841.1413	950137.3170250766	39.47920639	-101.9142425	249340.4605512644	437401.718496888	3776.71775893563	3500.622819163436	3461.589888818071	3497.089772743736	39.18375432	89.4820774481509
87	240	176947	-314181.1413	950137.3170250766	39.47922807766652	-101.9119189	249541.5605777125	437401.623797906	3774.8024719111254	3500.622819163436	3461.589888818071	3497.089772743736	39.18375432	89.4820774481509
88	240	176948	-313521.1413	950137.3170250766	39.47924937	-101.9095722	249742.66	437400.573221314	3773.0050960632	3500.622819163436	3461.589888818071	3497.089772743736	39.18375432	89.4820774481509
89	240	176949	-312861.1413	950137.3170250766	39.47927071995376	-101.9072355	249943.756827948	437399.941191702	3771.9					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRLEvLogKgr.ft	BRLEvBotKgr.ft	SatHtLogKgr.ft	SatHtBotKgr.ft
171	240	177031	-258741.1413	950137.13170250766	39.48087379106555	-01.7156187	26642.876631495	4373662.6781962365	3671962917760027	3640.584869099208	3316.512209124046	3303.218961199297	34.7024008616184	157.36564879091065
172	240	177032	-258801.1413	950137.13170250766	39.48089146656399	-01.7132818	26663.35636412844	4373658.504848517	361629.2513741038	3459.36546539079	3314.950257065302	3296.706858462644	144.4353075	162.67377613281452
173	240	177033	-258741.1413	950137.13170250766	39.4808909692226	-01.6944793	26665.0340236254	4373654.483	361462.7889140243	3458.196151702755	3313.20973	3292.73802745323	144.98833997574529	165.48227798574529
174	240	177034	-258761.1413	950137.13170250766	39.48090268214049	-01.7080692	26706.1070314477	4373656.9656555	3521.950624891047	3457.0134562736193	3311.5550778347592	3291.7306271508755	145.4826378438801	165.2828291227438
175	240	177035	-258610.1413	950137.13170250766	39.480944222218604	-01.7062713	267237.1833704211	4373676.288620191	3611.0717856501301	3455.8349923517094	3310.0103305405155	3291.732464468	154.824668111939	164.6882950562045
176	240	177036	-258441.1413	950137.13170250766	39.480961717156546	-01.7033345	267438.2594793557	4373642.191755575	3607.1158868917085	3454.657601494807	3308.866878683499	3290.876150589177	154.707022131706	163.7814505062908
177	240	177037	-258781.1413	950137.13170250766	39.48097916695431	-01.7015976	267639.3305930172	4373638.095102705	3607.574579242467	3453.477293	3307.2376781610083	3290.826596356342	146.23691345673164	162.6506961613877
178	240	177038	-258421.1413	950137.13170250766	39.480996571611875	-01.6992088	267840.411009433	4373633.9986117	3604.984498851446	3452.29032732564	3305.60169626658	3291.337084287502	146.688624	160.9532396806317
179	240	177039	-258361.1413	950137.13170250766	39.481013831129176	-01.6969479	268041.4884386123	4373629.4321677	3603.5162782748103	3451.991294798186	3303.93012394184	3291.766573474586	147.161170855075	160.92472104937004
180	240	177040	-258291.1413	950137.13170250766	39.48103123505019	-01.6945871	268242.561233557	4373625.80441482	3599.45565970521	3449.67560842553	3302.19393	3291.3691157176397	147.8719762038027	157.93075672615594
181	240	177041	-258214.1413	950137.13170250766	39.48104851474291	-01.6922502	268443.6365872703	4373621.70008516	3596.6738251375885	3448.604110490161	3300.516599134971	3292.026116232653	156.6194315475972	156.6194315475972
182	240	177042	-258141.1413	950137.13170250766	39.48106573883928	-01.6899134	268644.7132176222	4373617.615014254	3592.740130431973	3447.3847532975853	3298.6390784516516	3291.4557101406713	148.74567484600675	155.9290522148706
183	240	177043	-258021.1413	950137.13170250766	39.48108287179525	-01.6875765	268845.785830371	4373613.519631692	3590.791739562456	3446.107710846554	3296.62485387317	3289.860127806558	148.2485697323718	156.2475830399958
184	240	177044	-258016.1413	950137.13170250766	39.481100051610824	-01.6852397	269046.8601093017	4373609.42446024	3587.574780135532	3444.8085515873922	3294.514458824757	3287.265949489774	150.29409276263505	157.542565979174
185	240	177045	-249501.1413	950137.13170250766	39.48111714026997	-01.6829028	269247.9341607602	4373605.235901642	3584.43802604682	3443.4885512510777	3292.296425800481	3284.6349690175627	151.1921254159983	158.983459519751493
186	240	177046	-248941.1413	950137.13170250766	39.48113418320259	-01.680566	269440.0708461924	4373601.234754134	3581.29213	3442.150128390484	3290.076950905093	3280.917560034975	152.073696704391	157.2736860497344
187	240	177047	-248181.1413	950137.13170250766	39.48115118221475	-01.6782291	269650.0816581054	4373597.140218301	3577.704968709867	3442.7972668608186	3287.708640546746	3287.1556545663197	153.0896263140727	163.67361229448982
188	240	177048	-247521.1413	950137.13170250766	39.481168134668316	-01.6758922	269851.1549503626	4373573.045894125	3573.672307811707	3439.432940800624	3285.530651457126	3283.1264549373153	153.89968260491122	166.0374123006943
189	240	177049	-246861.1413	950137.13170250766	39.4811905038132	-01.6735554	270052.2280955627	4373588.95178106	3569.636495816357	3438.060388411156	3283.39847468073	3280.638812130494	154.6618920130427	167.42202735062165
190	240	177050	-246201.1413	950137.13170250766	39.4812018565377	-01.6712185	270253.3010081778	4373564.85780035	3566.60698	3436.68272232689	3281.2314652432606	3278.78677897878373	155.637456905683	160.7304145031919
191	240	177051	-245541.1413	950137.13170250766	39.48121872435552	-01.6688817	270454.37369711267	4373564.7915199	3561.3593023890465	3435.308759632685	3278.911243	3262.319190500404	156.3975167196784	172.9896036926203
192	240	177052	-244881.1413	950137.13170250766	39.48123549707658	-01.6665448	270655.465197089	4373576.671	3557.50919399063	3433.933245970573	3263.9505723164	3263.396507344957	156.6652934895316	170.53674285565165
193	240	177053	-244221.1413	950137.13170250766	39.4812523465978	-01.6642973	270856.4222369237	4373572.732762947	3552.732762947	3432.4448589187674	3262.912762947	3262.319190500404	156.897103251943	170.53674285565165
194	240	177054	-243561.1413	950137.13170250766	39.48126970739515	-01.6618711	271057.5904060434	4373568.44835584	3548.40064625585	3431.91339642505	3262.185554931876	3261.344095392316	158.005002106275	169.8432424200126
195	240	177055	-242901.1413	950137.13170250766	39.4812854430548	-01.6595342	271258.66219132685	4373561.39150084	3545.5258962941	3429.825895641169	3261.098632653941	3260.2274288727346	159.8946658299266	169.8946658299266
196	240	177056	-242241.1413	950137.13170250766	39.481302136433555	-01.6571973	271459.7337505901	4373560.28919706	3538.04576132144	3428.464310137987	3260.2692780422635	3258.7073967228047	159.1950326595323	160.7459133949043
197	240	177057	-241581.1413	950137.13170250766	39.48131868342082	-01.6548065	271660.805084354	4373556.20600165	3537.106437426534	3427.4556711185737	3256.761534762349	3256.6507663796966	170.346930320174	170.346930320174
198	240	177058	-240921.1413	950137.13170250766	39.48133518526714	-01.6525236	271861.8761930915	4373552.114	3537.942240404887	3425.75137839184	3265.750548933275	3257.879168422744	160.021477885634	167.8728017545494
199	240	177059	-240261.1413	950137.13170250766	39.481351841972685	-01.6501867	272062.9278629471	4373548.2222369237	3534.98469767413	3424.0448589187674	3264.051192701676	3258.248589767984	161.700826146435	168.983459519751493
200	240	177060	-239601.1413	950137.13170250766	39.481367710759317	-01.6478498	272247.9377059317	4373543.930511037	3532.94770899673	3422.07678099673	3262.075753762044	3257.025455667044	160.9883047520243	169.95052749005504
201	240	177061	-238941.1413	950137.13170250766	39.48138441996082	-01.645513	272465.88017049034	4373539.83837086	3530.268051599963	3421.7403703531495	3260.622663303622	3263.147469242017	161.7100500278826	158.75898340109477
202	240	177062	-238281.1413	950137.13170250766	39.48140074125151	-01.6431761	272686.1584800364	4373535.747540975	3498.70872653182	3420.418390680515	3259.29487475961614	3262.132227283837	161.1251914689007	157.2866157896678
203	240	177063	-237621.1413	950137.13170250766	39.4814170739307	-01.6408392	272867.2284668431	4373531.656243074	3492.117012195607	3419.0995458234423	3258.024832171862	3262.60432142046	161.07474155156247	160.7459133949043
204	240	177064	-236961.1413	950137.13170250766	39.48143324839357	-01.6385024	273068.2982290975	4373527.46538955	3486.492904	3417.780276507173	3256.963763717985	3260.3311006314294	156.41639793919118	154.76926974293565
205	240	177065	-236301.1413	950137.13170250766	39.48144943245259	-01.6361665	273268.367766065	4373523.47938029	3480.86979493029	3416.48583	3255.881117288759	3262.35136664767	156.672596536043	154.1704658759284
206	240	177066	-235641.1413	950137.13170250766	39.481465574571274	-01.633826	273470.430274212	4373519.38424235	3475.244685729046	3415.130732136237	3254.912774850629	3261.337474850629	156.897103251943	157.2866157896678
207	240	177067	-234981.1413	950137.13170250766	39.48148161585499	-01.6314817	273671.50617451616	4373515.29385845	3467.601588913035	3414.1618787857	3254.1618787857	3261.337474850629	159.6320411188924	154.0223636702584
208	240	177068	-234321.1413	950137.13170250766	39.481497720964414	-01.6291549	273872.57504327083	4373511.20363463	3464.93950274184	3412.4229221841534	3253.239442212125	3257.0425915732933	159.20354972920484	155.40004405121805
209	240	177069	-233661.1413	950137.13170250766	39.48151372627919	-01.626818	274073.643688132	4373507.11363591	3459.2774216918456	3411.0741492063535	3252.279242515868	3251.65966438945	158.7949049513467	158.7949049513467
210	240	177070	-233001.1413	950137.13170250766	39.48152966432479	-01.6244811	274274.7121	4373503.024295020	3451.61538081244	3409.6225708385	3251.268405026426	3251.65966438945	158.41302539591	162.0421818907388
211	240	177071	-232341.1413	950137.13170250766	39.48154560144499	-01.6221442	274475.7803730769	4373503.94837937	3508.12863762855	3408.262059	3250.065266330254	3249.8816509892986	158.1964302771454	158.1964302771454
212	240	177072	-231681.1413	950137.13170250766	39.48156147131995	-01.6198073	274676.84529157253	4373504.34591438	3515.81613436682	3406.80988792503	3248.925324539484	3245.521473903	157.5863875670468	161.2880394321624
213	240	177073	-231021.1413	950137.13170250766	39.48157726545586	-01.6174297	274877.9162946456	4373500.2822369237	3524.90728226046	3404.90728226046	3247.90728226046	3245.521473903	157.5863875670468	161.2880394321624
214	240	177074	-230361.1413	950137.13170250766	39.48159307551388	-01.6151336	275078.958352633	4373496.67732863	3529.19277423736	3403.802573287596	32			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogK.ft	BRiElevBothK.ft	SatHtLogK.ft	SatHtBoth.ft
297	240	17717	-175881.1413	950137.3172050766	39.482745415878654	-101.4211688	29176.836146348	3437148.031807795	3444.5443810119667	3262.2583441029615	3145.8413017636303	3148.0493351899903	3146.41703646665519
298	240	17718	-174821.1413	950137.3172050766	39.482757403493196	-101.4181519	291967.8857812461	3437143.361	3442.806268987256	3344.9073634865246	3144.9238610480006	3147.228861037755	315.9444048608006
299	240	17719	-173261.1413	950137.3172050766	39.48276384586414	-101.416489	292168.932115014	3437139.854119222	3442.8564437162328	3259.4329	3143.647895414123	315.788911293921778	314.6370270974864
300	240	17720	-173601.1413	950137.3172050766	39.48278124329144	-101.4141579	292369.9843741026	3437135.81178522	3441.6044169482626	3258.03544300994	3142.069796750513	313.808144371755	315.96074472729308
301	240	17721	-172941.1413	950137.3172050766	39.482793005475046	-101.411821	292571.0335	3437131.747723714	3440.353482902107	3256.83128583046	3140.359626743208	313.094458465304	316.27202308727281
302	240	17722	-172281.1413	950137.3172050766	39.48280405251498	-101.409484	29272.087227063	3437127.67479374	3440.191374707384	3255.24089379509	3138.37143815897	313.5872613891822	316.86916587991917
303	240	17723	-171621.1413	950137.3172050766	39.482816664417504	-101.407147	292973.130893105	3437123.60844648	3442.284623920125	3253.860428737094	3136.029050494538	313.6627330936307	317.538924255602
304	240	17724	-170961.1413	950137.3172050766	39.4828283111638	-101.4048101	293174.17930476904	3437119.53824048	3443.8950189255224	3252.4899752359973	3134.036834077923	313.573523863345	318.4534918
305	240	17725	-170301.1413	950137.3172050766	39.48284065277241	-101.4024791	293375.2275131345	3437115.469912286	3445.50179529532	3251.30125821464	3131.318326997482	313.32111681	318.017868227218
306	240	17726	-169641.1413	950137.3172050766	39.48285167527374	-101.4001381	293575.2751967394	3437111.3996114813	3447.12018924414	3249.78078652314	3128.88924555696	313.505120673268	318.02602840478
307	240	17727	-168881.1413	950137.3172050766	39.4828635055849	-101.3977992	293777.232321503	3437103.30142132	3447.6201429212024	3248.441515	3126.4786727620367	312.962483028308	312.962483028308
308	240	17728	-168321.1413	950137.3172050766	39.4828747667588	-101.3954622	293978.3709218359	3437103.261441952	3425.007615915016	3247.11168026429	3124.437204888337	3123.902073324213	312.674651777595
309	240	17729	-167661.1413	950137.3172050766	39.482896287776928	-101.3931252	294179.47183	3437099.193	3422.398068080283	3245.790422197715	3122.993960980423	3146.0286356164	312.7964812336222
310	240	17730	-167001.1413	950137.3172050766	39.48289773365889	-101.390783	294380.465	3437095.12115386	3419.78219026416	3244.4771112233616	3122.3369862123654	312.9029625946324	312.12012501099614
311	240	17731	-166341.1413	950137.3172050766	39.482899913	-101.3884153	294581.5120596664	3437091.06578198	3417.145440620416	3243.17076242559	3122.476227299175	312.694545126416	312.694545126416
312	240	17732	-165681.1413	950137.3172050766	39.4829040003068	-101.3861143	294782.5590224026	3437086.98731728	3415.5913388864	3241.8698470417171	3122.77809737451	311.532823246081	311.9917567036203
313	240	17733	-165021.1413	950137.3172050766	39.48291380646264	-101.383774	294983.6058931424	3437082.91509791	3413.665766271472	3240.574620412396	3123.057756963617	311.311003239666	312.715370076288
314	240	17734	-164361.1413	950137.3172050766	39.48294306577817	-101.3814404	295184.6522827742	3437078.91909016	3411.744018	3239.275951210436	3123.289736620883	311.05336911458	311.9582145895267
315	240	17735	-163701.1413	950137.3172050766	39.48294528598104	-101.3791034	295385.698471344	3437074.78446555	3409.550065386148	3237.9831974753256	3123.507437407405	310.9150820134391	314.47545440490258
316	240	17736	-163041.1413	950137.3172050766	39.48296546097406	-101.3767664	295586.744590564	3437070.717192845	3407.0686587207	3236.96371932519	3123.7013918188035	310.93941671634581	312.72992042973765
317	240	17737	-162381.1413	950137.3172050766	39.482976598055976	-101.3744295	295678.7902461166	3437065.006109894	3404.621724115804	3235.40693571189	3123.9313907610058	312.31988622927023	311.4935439496133
318	240	17738	-161721.1413	950137.3172050766	39.48298767553834	-101.3720295	295788.3365837314	3437062.563237719	3402.156874793968	3234.158741450362	313.76191002402	310.973191002402	310.973191002402
319	240	17739	-161061.1413	950137.3172050766	39.482998345819215	-101.369738	295893.4531356204	3437058.91901215	3400.054035998789	3232.682363039159	3123.682363039159	310.972592780267	310.972592780267
320	240	17740	-160401.1413	950137.3172050766	39.48300709537307	-101.3674185	296390.924054436	3437054.50124915	3398.536361	3231.5520593319	3121.968478756324	312.547301378933	310.588548369564
321	240	17741	-159741.1413	950137.3172050766	39.48300628684303	-101.3650816	296591.9714	3437050.38384631	3396.624236162	3230.282379428468	3120.254923634004	312.73272955641	310.588548369564
322	240	17742	-159081.1413	950137.3172050766	39.48301356104504	-101.3627446	296793.0167188394	3437046.312545825	3394.06286379023	3229.016480057228	3118.579408541656	312.266496126564	310.437071155712
323	240	17743	-158421.1413	950137.3172050766	39.483042422112813	-101.3604076	296984.0607663074	3437042.7550357715	3388.067201302324	3227.760593280968	3116.768404589213	312.09328801586	310.6794122308497
324	240	17744	-157761.1413	950137.3172050766	39.483053235995015	-101.3580706	297195.1051545634	3437038.186427138	3385.739417447474	3225.515860342005	3114.8897584629493	311.721256602	311.626064490557
325	240	17745	-157101.1413	950137.3172050766	39.48306464724014	-101.3557236	297386.1468349143	3437034.1574781254	3383.411574781754	3225.364926527658	3113.7814385879664	311.721256602	311.626064490557
326	240	17746	-156441.1413	950137.3172050766	39.483077433	-101.353493	297587.1	3437030.5819215	3381.07307208267	3224.03345744738	3111.402190675319	311.402190675319	311.402190675319
327	240	17747	-155781.1413	950137.3172050766	39.483085406749346	-101.3510597	297798.23712611455	3437025.909065626	3378.03543112061	3222.885472682572	3110.7765376222446	311.0224952057467	310.819366406089
328	240	17748	-155121.1413	950137.3172050766	39.48309604004566	-101.3487227	297999.2807195716	3437013.926099454	3374.31140771981	3221.6684251812508	311.23988573652053	311.23988573652053	311.23988573652053
329	240	17749	-154461.1413	950137.3172050766	39.48310662819769	-101.3463857	298200.234148563	3437017.86154415	3370.5724732279013	3220.4940742532497	3109.92258925386	311.2155539727282	310.5714899552886
330	240	17750	-153801.1413	950137.3172050766	39.48311771120542	-101.3440487	298401.3671215733	3437013.97199274	3366.8339633796123	3219.3358731691737	310.920320443518	310.920320443518	310.920320443518
331	240	17751	-153141.1413	950137.3172050766	39.48312769074065	-101.3417117	298602.0416116212	3437009.73366254	3363.3277248158994	3218.194442669623	3108.296642	310.910707238693	310.910707238693
332	240	17752	-152481.1413	950137.3172050766	39.4831381473213	-101.339748	298803.4531356204	3437005.6919215	3360.054035998789	3217.0703208267	310.972592780267	310.972592780267	310.972592780267
333	240	17753	-151821.1413	950137.3172050766	39.48314825396787	-101.3370738	299004.4958181073	3437001.60542631	3356.7823471153724	3215.96328121115	310.9147168801106	310.9147168801106	310.9147168801106
334	240	17754	-151161.1413	950137.3172050766	39.48315891798226	-101.3347008	299205.532256239	3437097.541923393	3353.505068269109	3214.874891	310.943307689363	310.943307689363	310.943307689363
335	240	17755	-150501.1413	950137.3172050766	39.48316920908418	-101.3323638	299406.5804361161	3437093.478631292	3350.10681766519	3213.80699326985	3103.866377864981	310.949179	310.949179
336	240	17756	-149841.1413	950137.3172050766	39.483179481225726	-101.3300268	299607.6248496393	3437298.515459721	3346.5738252934907	3212.7470004028874	310.92258925386	310.92258925386	310.92258925386
337	240	17757	-149181.1413	950137.3172050766	39.483189788722895	-101.3278898	299808.6642670728	3437298.352678879	3341.700968925223	3211.700968925223	310.920320443518	310.920320443518	310.920320443518
338	240	17758	-148521.1413	950137.3172050766	39.483199890075805	-101.3253528	300009.7580875405	3437290.18018143	3338.50745977442	3209.65492586702	310.920320443518	310.920320443518	310.920320443518
339	240	17759	-147861.1413	950137.3172050766	39.483210985919313	-101.323047	300210.985919313	3437282.32688118	3336.22326851908	3208.32326851908	310.920320443518	310.920320443518	310.920320443518
340	240	17760	-147201.1413	950137.3172050766	39.4832201834775	-101.3206789	300401.78851451955	34372793.165	3330.569099	3208.39321923526	310.920320443518	310.920320443518	310.920320443518
341	240	17761	-146541.1413	950137.3172050766	39.48323016476667	-101.3183419	300612.8296746299	3437270.103299552	3325.788516420137	3206.83966241907	310.940920444990275	310.952929210734446	311.824761974287949
342	240	17762	-145881.1413	950137.3172050766	39.483240166041355	-101.3160049	300813.87041072273	3437265.01480999	3320.017994544237	3205.785542374272	3093.941157942556	310.95479445189	310.95479445189
343	240	17763	-145221.1413	950137.3172050766	39.483250122171476	-101.3136679	301014.910545191	3437260.98	3317.0643785452085	3203.55418	3093.911302339789	310.967330891819	310.967330891819
344	240	17764	-144561.1413	950137.3172050766	39.48326003315705	-101.3113309	301215.9510017122	3437265.918475038	3315.098130629297	3202.559059098	3093.78792	310.96712657678398	310.96712657678398
345	24												

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SurfLogs.ft	SurfBoth.ft	
423	240	177283	-924221.14133	950137.13170250766	-93.48390034271899	-101.1267067	171097.54805629817	472366.732	19214.61417149587	2085.7034183248506	2993.946884	2989.344276758157	91.7573448189096	96.391741456699378
424	240	177284	-91761.14133	950137.13170250766	-93.48390664206512	-101.1243697	317298.5735611309	472632.587968483	3191.33109687578304	3083.9656572332408	2993.150036891496	2994.648652323048	93.815861544432258	93.3180491251923
425	240	177285	-81101.14133	950137.13170250766	-93.48391286309568	-101.1220528	317469.58886851	472632.587968483	3192.46100382414	3084.228215561845	2992.22994	2992.1931941041707	93.898395145376243	90.03859145376243
426	240	177286	-800441.14133	950137.13170250766	-93.48391910537966	-101.1196359	317700.6240371587	472620.559032545	3189.106467788304	3080.458971697181	2991.335134716275	2986.684427269054	98.16053344516427	93.800214863777
427	240	177287	-89781.14133	950137.13170250766	-93.48392380930465	-101.1173586	317901.64900776546	472620.559032545	3188.33264038168	3078.769464342624	2990.4359437363646	2984.2120967707707	93.83320061	94.5573676478217
428	240	177288	-89121.14133	950137.13170250766	-93.48391338091231	-101.1150215	318102.6738005404	472620.559032545	3187.736271081617	3077.050691711055	2990.125820589326	2986.565187204678	98.0420311212791	90.4887431966237
429	240	177289	-8861.14133	950137.13170250766	-93.4839164712809	-101.1128845	318303.684156907	472620.559032545	3187.148578	3075.33652912559	2990.1104441461675	2987.58006483259	95.2260846693197	87.828645292971
430	240	177290	-87401.14133	950137.13170250766	-93.483943490219055	-101.1103474	318904.72285314984	472620.559032545	3186.5806516821	3073.6269104684975	2990.05092815233	2984.294297749745	91.571783171457	89.323128972023
431	240	177291	-87941.14133	950137.13170250766	-93.4839497356417	-101.1080194	318705.741133842	472620.559032545	3185.36810038241	3071.921587344885	2989.920975166498	2981.231768272567	92.00856360799554	89.68828947141153
432	240	177292	-86481.14133	950137.13170250766	-93.48395541763375	-101.1056734	318906.7711974113	472620.559032545	3183.76422529741	3070.221913697143	2989.88010825534	2979.8477177777777	90.3419034868754	90.3742359195671
433	240	177293	-85821.14133	950137.13170250766	-93.48396130481655	-101.1033963	319107.79510414327	472596.29603483	3181.763264760707	3068.5298021815476	2989.65870899807	2978.58892101009	78.6939001924609	89.9384631714513
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436	240	177296	-83841.14133	950137.13170250766	-93.48397813100846	-101.0963252	319710.867546585	472584.169197449	3171.894176161016	3063.48751405437	2988.646181228033	2972.6717395617765	91.7500717740047	90.8670184
437	240	177297	-83181.14133	950137.13170250766	-93.483984425570334	-101.0939882	319911.8889670294	472579.12238216	3167.717291625816	3061.8115899523477	2988.28065387973	2973.62759552193	73.53078496	94.98739340015451
438	240	177298	-82521.14133	950137.13170250766	-93.4839900289386	-101.091611	320112.1212	472575.708588992	3162.3043956434838	3060.139074014155	2988.0401728507593	2965.3122078213197	70.0998461983794	74.827760683693
439	240	177299	-81861.14133	950137.13170250766	-93.48399571507137	-101.0893141	320313.934824966	472575.708588992	3158.048624043633	3058.8471662038776	2987.6458117097486	2975.91858543149	70.8258032892894	65.531031956237
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441	240	177301	-80541.14133	950137.13170250766	-93.4840062389446	-101.08464	320715.88001750314	472568.03018732	3153.453296168474	3055.156806656535	2986.41439094827	2960.592154	68.7425897166252	54.5614626942360
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443	240	177303	-79221.14133	950137.13170250766	-93.48401799569	-101.0799659	321118.0249419604	472555.881	3142.614679501454	3051.8918918263907	2984.930996946284	2974.7777998128	66.9608498122238	57.149513918202956
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464	240	177324	-65361.14133	950137.13170250766	-93.48412190737316	-101.030888	325339.4497386943	472471.0870976	3083.094496793616	3020.08919213769	2964.174396624316	2970.2500524948167	61.010292639133	49.2824016037198
465	240	177325	-64701.14133	950137.13170250766	-93.48412684951574	-101.028519	325540.4695194681	472467.10870976	3082.1718623717828	3019.245243079135	2963.19028277135	2970.48527354587	61.010292639133	49.2824016037198
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467	240	177327	-63381.14133	9501										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatElevLogKrg.ft	SatBothKrg.ft
548	24740	-9261.141327	950137.1370250766	-00.8322281	34426.4234670212	473128.764184324	2983.944840759415	2887.381289	2831.3286978444235	2822.3502750680527	56.05299134926655	65.02921412563728		
550	24740	-9601.141327	950137.1370250766	-00.8299011	342626.4236295151	473124.745659391	2891.608194839304	2885.871624155337	2831.4583126502493	2814.4084385093332	54.11551145058768	71.4633584600301		
551	24741	-3941.141327	950137.1370250766	-00.827854	342887.4329738102	473120.727369318	2891.17878615144	2884.36704936646113	2831.7003294238634	2816.9403973662685	52.64835424080784	67.41669120174174		
552	24741	-7281.141327	950137.1370250766	-00.8252698	340328.437107371	473121.170165488	2985.85560682427	2877.796357713853	2831.71624628091	2814.608328108443	51.162934258221	64.11881330000875		
553	24741	-6621.141327	950137.1370250766	-00.8228899	343229.441289566	473121.692576702	2977.796336362979	2871.381106734792	2831.48714660159	2811.3480908015428	49.82937176436251	69.36296825324916		
554	24741	-5961.141327	950137.1370250766	-00.8205528	343430.4453196731	473120.675167476	2973.743146683174	2879.776726137586	2830.853539196642	2809.421315927903	48.829314411657	70.355468684928		
555	24741	-5301.141327	950137.1370250766	-00.8182158	343631.44919842354	473120.685023138	2974.591060738887	2878.235074	2829.8245959761318	2806.875490777987	48.40657126858524	71.3604751		
556	24741	-4641.141327	950137.1370250766	-00.8158787	343832.4529254405	473120.641067203	2971.102631	2876.6860311509618	2828.251919615701	2801.1789145666711	47.8431165842095	74.873165842095		
557	24741	-3981.141327	950137.1370250766	-00.8136146	344033.4556011333	473120.642424	2967.69436691313	2875.1297680039366	2825.918048245555	2798.3194916350007	47.3171874	75.8998863803491		
558	24741	-3321.141327	950137.1370250766	-00.8112046	344234.4592570743	473120.67763583	2964.286062328753	2874.564737287993	2822.167773028191	2802.241885854973	51.3987700761852	71.32457411332022		
559	24741	-2661.141327	950137.1370250766	-00.8088675	344535.4632	473120.68591427059	2967.6705639257814	2871.996408491299	2817.1992657620892	2802.05513825477	54.79714270909768	69.9408946		
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563	24742	-21.14132693	950137.1370250766	-00.7995193	345239.471889524	473120.675281984	2934.780415459647	2865.67502113545	2798.6981931044232	2796.9864274913994	75.96587106931277	86.6710462214562		
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567	24742	2618.8586730733514	950137.1370250766	-00.790171	346043.4838080157	473120.648266349	2936.9472630073173	2859.351677868143	2757.3300225365924	2752.612333717286	102.0216553315698	101.73934415080609		
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582	24742	12518.858673073351	950137.1370250766	-00.7551151	349058.49734110376	473119.623265296	2971.76379324052	2835.959573420914	2763.4439897740954	2764.869390585134	72.515177679987	71.1261167396024		
583	24742	13178.858673073351	950137.1370250766	-00.752778	349259.49702748196	473119.621634713	2971.544906862599	2834.40048656299	2763.9679980602	2763.5907311486017	72.4232487	70.8096714629729		
584	24742	13838.858673073351	950137.1370250766	-00.750441	349453.49692046	473119.621512603	2971.8984521703	2834.40048656299	2763.9679980602	2763.5907311486017	72.4232487	70.8096714629729		
585	24743	14498.858673073351	950137.1370250766	-00.7481035	349641.49601711275	473119.623898945	2967.083703089713	2831.19951641373	2765.398271585667	2763.9679980602	71.62571684396	70.034456339141		
586	24746	15158.858673073351	950137.1370250766	-00.7457668	349862.4953	473119.621937366	2964.853072	2829.594172698764	2756.3024845875	2753.2417546526208	73.2916241229315	76.3524273062799		
587	24747	15818.858673073351	950137.1370250766	-00.7434298	350063.4944	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
588	24748	16478.858673073351	950137.1370250766	-00.7410927	350264.4935117393	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
589	24749	17138.858673073351	950137.1370250766	-00.7387556	350465.492533543	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
590	24749	17738.858673073351	950137.1370250766	-00.7364186	350666.4910507845	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
591	24749	18338.858673073351	950137.1370250766	-00.7340541	350867.4895207845	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
592	24750	19118.858673073351	950137.1370250766	-00.7317445	351068.4880124709	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
593	24750	19778.858673073351	950137.1370250766	-00.7294074	351269.4863	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
594	24754	20438.858673073351	950137.1370250766	-00.7270703	351470.48439844023	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
595	24756	21098.858673073351	950137.1370250766	-00.7247333	351671.4823760482	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
596	24756	21738.858673073351	950137.1370250766	-00.7223962	351872.480134196	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
597	24757	22418.858673073351	950137.1370250766	-00.7200797	352073.4778	473119.621897016	2963.41067288049	2827.859185876467	2754.3907823427735	2750.688205347918	73.9561324674817	77.29671332972889		
59														

ix	iy	X	Y	Latitude	Longitude	UTM_X	UTM_Y	SurfLen	W.Ln	BREIbovtrkg	BREIbovtrkg	SatBtHghs	SatBtBoth	
65	240	17535	7389	73.886730335	95.01371317025076	39.48405998	-100.53773689	3675.87037456344	4371624.11020633	2761.277013045934	276.587754096677	260.2858978527489	67.7287755691875	54.7926611833996
66	240	17536	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
67	240	17537	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
68	240	17538	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
69	240	17539	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
70	240	17540	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
71	240	17541	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
72	240	17542	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
73	240	17543	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
74	240	17544	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
75	240	17545	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
76	240	17546	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
77	240	17547	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
78	240	17548	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
79	240	17549	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
80	240	17550	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
81	240	17551	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
82	240	17552	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
83	240	17553	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
84	240	17554	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
85	240	17555	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
86	240	17556	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
87	240	17557	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
88	240	17558	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
89	240	17559	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
90	240	17560	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
91	240	17561	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
92	240	17562	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
93	240	17563	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
94	240	17564	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
95	240	17565	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
96	240	17566	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
97	240	17567	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
98	240	17568	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
99	240	17569	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
100	240	17570	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
101	240	17571	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
102	240	17572	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
103	240	17573	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
104	240	17574	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
105	240	17575	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
106	240	17576	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
107	240	17577	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
108	240	17578	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
109	240	17579	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
110	240	17580	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
111	240	17581	74558	73.886730335	95.01371317025076	39.48405998	-100.53773689	3676.16120095445	4371620.11820432	2758.500841851166	268.618222004398	260.918421981952	66.99517003274697	59.000008861871
112	240	17582	74558	73.886730335	95.01371317025076	39.48								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
61	241	177661	-333141.1413	950797.3170250766	39.48046665369054	-101.9726928	244317.0811606579	47437316.032881277	3795.1242120724264	3611.7797517348768	3512.146602	3521.5587870869467	96.33314987369677	90.22096464793003
62	241	177662	-330681.1413	950797.3170250766	39.48044987689728	-101.970356	244518.18465333076	47437311.91286235	3792.9534357096776	3610.2752427952114	3510.4851396642307	3520.810331381076	96.7901031302876	89.49430943416259
63	241	177663	-330621.1413	950797.3170250766	39.48051187301685	-101.968193	244719.2678313136	47437307.780197127	3791.6390222662035	3599.9668759836797	3504.813118684843	3505.0942813220465	95.934281470086	89.72370362
64	241	177664	-332961.1413	950797.3170250766	39.48053442040287	-101.965625	24450.958030234	47437303.6932417	3789.455624264158	3607.26598886387	3507.451343037695	3521.011331387028	95.8254558061922	86.255471403669
65	241	177665	-328701.1413	950797.3170250766	39.48055693	-101.9633457	245121.9432146656	47437299.548624062	3787.84732035157	3605.804827216113	3507.339883549746	3530.097783134147	96.43404366635476	75.70704408196434
66	241	177666	-328041.1413	950797.3170250766	39.48057390560244	-101.961009	245322.5959573136	47437296.48216544	3786.3329225254054	3507.3020415491997	3521.219572052049	97.0812507025079	83.1137270268149	73.707270268149
67	241	177667	-327281.1413	950797.3170250766	39.480601806133265	-101.9586722	245523.6977257415	47437291.307981819	3786.457386062315	3602.87368062314	3506.817464785211	3516.3560878681688	96.056103320633	86.56805671614524
68	241	177668	-326721.1413	950797.3170250766	39.48062418	-101.956334	245724.7990595322	47437287.10769815	3786.473803144458	3601.427377584327	3505.95593323061	3510.4480131686787	96.47168426126564	90.97936411664798
69	241	177669	-326661.1413	950797.3170250766	39.4806456186773	-101.9538897	246926.9012326545	47437283.168150531	3786.5390222662035	3599.9668759836797	3504.813118684843	3505.0942813220465	95.934281470086	89.72370362
70	241	177670	-325401.1413	950797.3170250766	39.48065876202307	-101.951618	247167.0025075045	47437278.94855391	3782.580553681015	3598.935728205653	3507.473244905516	3498.751780440047	96.110237162415157	96.8317024161517
71	241	177671	-324741.1413	950797.3170250766	39.4806801705314	-101.9493251	246328.1037185223	47437279.80187170078	3785.188905011185	3597.1675888110913	3502.0241283439714	3495.17103282385	95.61633406471193	102.0159559785061
72	241	177672	-324081.1413	950797.3170250766	39.4807132069384	-101.946984	246529.204647060	47437270.70998989	3784.736346246243	3595.805463016023	3500.3495220772703	3491.966281004616	95.4536242289912	103.8395652696617
73	241	177673	-323241.1413	950797.3170250766	39.48073536168915	-101.9446516	246730.35022681496	47437265.991040408	3783.59847822978	3594.03280630156	3498.4988500615763	3495.962362060613	96.104274318235544	104.702474318235544
74	241	177674	-322761.1413	950797.3170250766	39.48075745131201	-101.9423148	246931.4056981733	47437262.47292511	3782.441280817784	3593.0842380081685	3496.915870366996	3488.2170261028616	96.1636761146897	104.96471137988187
75	241	177675	-322101.1413	950797.3170250766	39.4807795	-101.939978	247132.5058919534	47437258.37594515	3805.264968877956	3591.74360748091685	3495.84982628799	3489.080394318114	95.9026347685958	101.9347179884725
76	241	177676	-321441.1413	950797.3170250766	39.4808015115123275	-101.9378143	247333.8056989745	47437254.23438949	3803.191027680532	3590.414824197203	3495.86610422394	3493.3513531769104	94.54864377480908	97.063410220258
77	241	177677	-320781.1413	950797.3170250766	39.4808243932258	-101.9353405	247534.70531059048	47437250.11313142	3801.121445663427	3589.059636036586	3497.672547201874	3492.035884029172	95.08568480564349	98.6696865664349
78	241	177678	-320121.1413	950797.3170250766	39.4808453838429	-101.9329677	247735.804681498	47437245.99943596	3799.049685146063	3587.78434768967	3494.436201404141	3498.960328502622	93.42323772862012	88.8243939686343
79	241	177679	-319461.1413	950797.3170250766	39.48086727320839	-101.9306309	247936.3067511763	47437241.887153481	3797.555172503398	3586.479933803976	3497.32396524922	3492.739637162339	96.1469663547556	102.7462422171584
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81	241	177681	-318141.1413	950797.3170250766	39.4809108847431	-101.9259574	248339.1012977208	47437233.64762573	3795.72063967177	3583.88604603763	3469.1514263734985	3494.301533747235	114.7341967626483	89.58451230250358
82	241	177682	-317481.1413	950797.3170250766	39.4809352325431	-101.9236206	248540.1996708717	47437229.52681761	3794.8033731391766	3582.94563445658	3467.901761936694	3496.4091457762218	115.267572470884	86.1846869148896
83	241	177683	-316821.1413	950797.3170250766	39.4809591662739	-101.9213923	248761.3127707517	47437225.143148718	3793.8967158214723	3581.96578263515	3464.638097411951	3493.74762461022	115.6591321640491	90.73392162404056
84	241	177684	-316161.1413	950797.3170250766	39.48097596	-101.919847	248942.3567198738	47437221.29653082	3788.68934837173	3580.0151485897	3453.967496625249	3492.3051159600583	116.0406119670272	97.714951683891
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86	241	177686	-314841.1413	950797.3170250766	39.48101912591935	-101.9142734	249344.590675455	47437213.064	3778.4822210123284	3577.4341002278515	3460.6531964064835	3487.4442743589045	116.78290381920086	93.9916278694703
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88	241	177688	-313521.1413	950797.3170250766	39.48106211	-101.909599	249746.7846952958	47437204.83178816	3771.3848487512964	3574.852400117278	3456.74117821822	3473.379620726325	118.11122529090068	101.727363905447
89	241	177689	-312861.1413	950797.3170250766	39.48108783289953	-101.9078383	249947.861331361	47437200.71622274	3768.687158214723	3573.559811722234	3454.981928437277	3489.19289437277	118.5745196788629	104.3691688354631
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91	241	177691	-311541.1413	950797.3170250766	39.48112624	-101.9025895	250350.073862664	47437192.48417024	3765.79371710927	3570.8710381383834	3504.59249853367	3457.141748882676	119.36336006166	113.81292632056862
92	241	177692	-310881.1413	950797.3170250766	39.48114752577683	-101.9002527	250561.1697576357	47437183.1228452	3763.098854717632	3568.843167521668	3448.8547314212853	3453.080991207036	120.8187134708814	116.5932455450932
93	241	177693	-310221.1413	950797.3170250766	39.48116876776953	-101.8979159	250752.265405871	47437184.25622247	3760.403232450317	3568.376611816965	3446.7554252739705	3448.534652887921	121.06118607718457	119.8419952904431
94	241	177694	-309561.1413	950797.3170250766	39.48118996462398	-101.8955791	250953.3608075834	47437182.1020881	3757.7090907715407	3567.070970711407	3444.769512868674	3443.618201426834	121.30965286872359	123.46087466872359
95	241	177695	-308901.1413	950797.3170250766	39.4812111634013	-101.8932423	251154.4595962464	47437176.02744485	3756.473784105056	3565.736756890084	3442.8396017321876	3445.9451050013875	122.336808685818	127.2336519876184
96	241	177696	-308241.1413	950797.3170250766	39.481232221924	-101.8910595	251355.5509722152	47437171.91387842	3755.6285222075	3564.48774711951	3440.638097411951	3443.74762461022	123.1341913468917	123.7392162404056
97	241	177697	-307581.1413	950797.3170250766	39.48125384537536	-101.8885698	251566.4553558687	47437167.79922755	3751.922763589598	3563.198472767599	3438.281696118113	3442.961931	124.9167764546591	123.3564133115924
98	241	177698	-306921.1413	950797.3170250766	39.48127340058356	-101.8862318	251757.739953239	47437163.69617918	3750.1747197545796	3561.91334014155	3436.1204962787713	3425.55959661115	125.7925838137417	125.734352930046
99	241	177699	-306261.1413	950797.3170250766	39.48129521782089	-101.883895	251968.831253872	47437159.7471806	3748.698071	3560.63403213581	3434.00545305883	3422.99321149953	126.37604056987628	137.640056362825
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101	241	177701	-304941.1413	950797.3170250766	39.48133707873039	-101.8792214	252361.02173401162	47437151.45623446	3746.545262228804	3558.09748210546	3430.163193773514	3419.8672253068017	127.9334549370277	138.2933296415296
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104	241	177704	-302961.1413	950797.3170250766	39.4813944505557	-101.872211	252964.3017108754	47437139.00780057	3743.0084825827	3554.7046794529	3424.206857051064	3415.81870758827	129.0841	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLog.ft	SatHtBoth.ft
187	241777	-248181.1413	950797.3170250766	39.48296396741491	-01.678251	296954.1882025725	4373798.422	3577.6745948553375	340.162090414473	3287.06357174162597	3278.046552256129	153.09851628921334	162.1155417834408
188	241778	-247521.1413	950797.3170250766	39.482980921103334	-01.67594141	296855.2547275389	4373794.327584415	3572.8994131288807	340.6341759860374	3284.790108	3273.5906378843465	154.0226512394176	165.2221220016908
189	241779	-246861.1413	950797.3170250766	39.482978260501	-01.673722	29686.339349169	4373790.23349169	3568.122314624238	340.7453701023	3282.48437	3271.5437071024	154.962051620526	165.30839283507
190	241780	-246201.1413	950797.3170250766	39.48301468305405	-01.6712002	29725.4030400585	4373786.19125764	3563.346049675662	3436.00401502486	3280.149255338376	3265.164238759024	155.0448107637248	170.929332301162
191	241781	-245541.1413	950797.3170250766	39.48303511318025	-01.6689033	270658.4756073714	4373782.054211985	3558.8873407400274	3434.7300681629466	3277.124316800241	3258.5722516517294	157.0182364270567	172.15841651121718
192	241782	-244881.1413	950797.3170250766	39.48304284439239	-01.6665664	270659.54774817307	4373779.951514457	3544.771025753416	3433.3668680860506	3275.7628795038645	3260.4115008937285	157.6038963386507	172.954663387625
193	241783	-244221.1413	950797.3170250766	39.48306501241871	-01.6642295	270661.6756272376	4373778.85602338	3550.660351590411	3432.004219386776	3273.4964249040245	3256.54033944984	158.50957644635173	175.150518004179237
194	241784	-243561.1413	950797.3170250766	39.4830871	-01.6618926	27061.691505661	4373769.764704285	3546.455905250741	3430.6435484787326	3271.152747689958	3255.023734323886	159.4508008977746	176.6141705484957
195	241785	-242901.1413	950797.3170250766	39.483096326501	-01.6598556	271250.7611521824	4373765.672	3542.1541865834348	3429.285105222463	3269.1042080846393	3254.194357811186	161.1890411680086	175.058471708172864
196	241786	-242241.1413	950797.3170250766	39.48311425505454	-01.6572187	271463.8344552364	4373761.57836329	3537.6712087240488	3427.920076780381	3267.0858735009243	3253.478887324715	160.8431325690014	174.452012023835493
197	241787	-241581.1413	950797.3170250766	39.48313414729108	-01.6548818	271664.9056519281	4373757.484192916	3533.1882308605071	3426.57059090204057	3265.213307485441	3253.765734186476	162.172784133423053	176.7874734324053
198	241788	-240921.1413	950797.3170250766	39.483147975186704	-01.6525448	271865.9744480033	4373753.3973698	3528.705403568936	3425.2246054632187	3263.20618970171	3253.6209183414926	162.0184172840181	171.60368712712613
199	241789	-240261.1413	950797.3170250766	39.48315423314227	-01.6502079	272067.04711013776	4373749.01546833	3523.430565415893	3421.02133137788277	3255.8130597359985	3256.8604839311553	168.06912001598448	172.954663387625
200	241790	-239601.1413	950797.3170250766	39.48318084229976	-01.647871	272268.1174707305	4373745.209541543	3517.36444097102332	3422.584097210232	3259.3304947882354	3257.110088935496	163.7124844199641	165.401093168226
201	241791	-238941.1413	950797.3170250766	39.4831972114131	-01.6455341	272468.1877959018	4373741.17174728	3511.296225776235	3421.218005711965	3257.028530567653	3257.0150069776547	163.41894172604312	163.3066194275161
202	241792	-238281.1413	950797.3170250766	39.4832132524605	-01.6431971	272670.2578475629	4373737.02816324	3508.232145450908	3419.899037165168	3256.451667946469	3256.331559505115	163.4473995	163.4473995
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206	241796	-235641.1413	950797.3170250766	39.4832738623508	-01.6338494	273474.3355612022	4373719.7150061126	3477.9150061126	3414.5914763361584	3252.4464645886324	3252.165011507221	162.14501174752604	157.42052482893723
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211	241801	-232341.1413	950797.3170250766	39.4833583676133	-01.6221467	274479.87786115534	4373700.211	3438.56235477477	3407.69171259431	3247.906264701524	3247.8256302507674	160.999024510002	157.6031647152795
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216	241806	-229041.1413	950797.3170250766	39.483435272967216	-01.61048	275487.1424503333	4373675.788501913	3400.13214273537	3401.3214273537	3244.73210552427	3244.73210552427	159.36399157127467	157.5594541937016
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218	241808	-227721.1413	950797.3170250766	39.4834684071407	-01.6058061	275887.342306435	4373671.58964408	3400.07390307141	3398.97416433583	3242.5573236713064	3242.5573236713064	159.36399157127467	157.5594541937016
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223	241813	-224421.1413	950797.3170250766	39.4835458658654	-01.5941213	276892.671	4373651.15184605	3353.5320953717	3391.322138091975	3235.361827805	3235.361827805	159.36399157127467	157.5594541937016
224	241814	-223761.1413	950797.3170250766	39.48356118925274	-01.5917844	277093.74125479523	4373647.04602321	3353.5320953717	3391.322138091975	3235.361827805	3235.361827805	159.36399157127467	157.5594541937016
225	241815	-223101.1413	950797.3170250766	39.48357647267605	-01.5894474	277294.8014079523	4373642.97827121	3352.64326	3385.09112773282	3234.382455044968	3234.664671763627	159.36399157127467	157.5594541937016
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228	241818	-221121.1413	950797.3170250766	39.48362205208864	-01.5824366	277897.9994834504	4373630.71936334	3350.735735363917	3381.62148948569	3233.76542054049	3233.76542054049	159.36399157127467	157.5594541937016
229	241819	-220461.1413	950797.3170250766	39.4836372967216	-01.580189	278100.1425013333	4373626.84589672	3350.735735363917	3381.62148948569	3233.76542054049	3233.76542054049	159.36399157127467	157.5594541937016
230	241820	-219801.1413	950797.3170250766	39.48365212648034	-01.5777628	278300.1272844862	4373622.57811612	3352.29697107309	3376.361414135123	3233.19937399074	3233.19937399074	159.36399157127467	157.5594541937016
231	241821	-219141.1413	950797.3170250766	39.483667225214575	-01.5754257	278501.190857361	4373618.46378888	3352.29697107309	3376.361414135123	3233.19937399074	3233.19937399074	159.36399157127467	157.5594541937016
232	241822	-218481.1413	950797.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
313	241	177913	-165021.1413	950797.31720250766	39.484744683133584	-101.3837919	294867.6806469255	4373284.175095156	3415.1366735430443	3240.1183720822974	3122.4818791400544	3114.031817419406	3127.6854929422429	126.0885546289156
314	241	177914	-164361.1413	950797.31720250766	39.48475589653871	-101.3814549	295188.7268152125	4373280.107157235	3413.2024549734769	3238.4234597455364	3122.6072320354457	3111.8279723035445	3126.1945710907175	126.9927315008172
315	241	177915	-163701.1413	950797.31720250766	39.4847671139645	-101.2981178	296389.7276274435	4373276.038491608	3411.094396867434	3229.5319073681294	3122.755128115754	3111.0347431919637	3114.8058712523846	126.4273394848465
316	241	177916	-163041.1413	950797.31720250766	39.484778202790024	-101.3767808	295580.8154828464	4373271.97192	3408.807059623406	3236.24122991611	3122.847774306704	3112.629786246508	3113.3930560945686	123.6113700605029
317	241	177917	-162381.1413	950797.31720250766	39.48478924428764	-101.3744438	295791.86414156193	4373267.9064677345	3406.521024930496	3234.9525574120917	3122.988324983357	3112.60280294445	3111.964324273437	127.32054916264678
318	241	177918	-161721.1413	950797.31720250766	39.48480057898626	-101.3721067	295992.9004978587	4373263.837606813	3404.234073914853	3233.655836543637	3123.1280343083367	3121.08509812796	3110.5735713	112.579413804785
319	241	177919	-161061.1413	950797.31720250766	39.48481154777561	-101.3697697	296193.95544492386	4373259.70471701	3403.27934101211946	3232.3934101211946	3122.5039151879787	3120.8071672901845	3109.4935885308342	111.571367508757
320	241	177920	-160401.1413	950797.31720250766	39.48482245207351	-101.3674327	296394.999096905	4373255.704099453	3398.94739688071	3231.09580420916	3121.04415906252	3119.62417131633	3110.0484651266369	111.178236892826
321	241	177921	-159741.1413	950797.31720250766	39.48483336203933	-101.3650956	296596.04407517526	4373251.637862167	3397.839625167679893	3229.8190073351352	3120.807287676676	3119.2090778767667	3110.390002916746767	110.6929291674676
322	241	177922	-159081.1413	950797.31720250766	39.4848444	-101.362758	296797.0889407735	4373247.571435242	3397.4211982018324	3227.554918	3117.76491271817	3118.904723735624	3110.7866234529735	109.74681215714281
323	241	177923	-158421.1413	950797.31720250766	39.48485555830915	-101.3604216	296988.1330669807	4373243.505419941	3390.859078850304	3227.254918	3116.123151526303	3117.5343047896062	3111.1717660530175	109.706613366479
324	241	177924	-157761.1413	950797.31720250766	39.484866069961464	-101.3580845	297199.17477343564	4373239.439615053	3388.61556519958	3226.05041049833	3114.6051799976215	3114.6586170361794	3111.6586170361794	111.4452627107755
325	241	177925	-157101.1413	950797.31720250766	39.48487683898668	-101.3557475	297400.2241419275	4373238.334200282	3386.338235446663	3225.018316571133	3112.6008761520798	3112.61736684184	3112.2183427065323	112.18342657752919
326	241	177926	-156441.1413	950797.31720250766	39.484887652846524	-101.3534105	297601.2652111161	4373231.30863711	3384.049715072948	3223.602190819819	3111.2607851466646	3110.3105124	3112.03414056731444	113.29706704373893
327	241	177927	-155781.1413	950797.31720250766	39.48489824156084	-101.3510734	297802.36808717186	4373227.344563236	3381.0284585254986	3221.40548579387	3110.3950415305308	3110.4971225064845	3110.22530704868514	112.0053025729024
328	241	177928	-155121.1413	950797.31720250766	39.48490987513003	-101.3487364	298003.3521530381	4373223.17803511	3377.263948490813	3219.124906162175	3110.694273557136	3110.6511210217804	3111.5206870508141	114.36375038413703
329	241	177929	-154461.1413	950797.31720250766	39.484919465363645	-101.3463993	298204.39532798016	4373219.113792445	3373.50171532644	3218.08678214623	3110.0812389057815	3110.086780666971	3110.9656880131077	110.9656880131077
330	241	177930	-153801.1413	950797.31720250766	39.48493000638185	-101.3440623	298405.4380450506	4373212.940521215	3369.7383781721715	3218.896673328816	3108.313199701224	3110.671748075216	3110.5531353669376	111.27919257667827
331	241	177931	-153141.1413	950797.31720250766	39.484940504869764	-101.3417252	298606.481822928	4373210.948841125	3366.370420588374	3217.7647870845094	3107.422825688065	3107.859283527804	3110.3419613864429	109.905503605302
332	241	177932	-152481.1413	950797.31720250766	39.48495065769564	-101.3393882	298807.523763079	4373206.920762512	3363.42425223895	3216.651856136893	3106.471118259757	3106.1616472973883	3110.1807319019729	109.730158570707
333	241	177933	-151821.1413	950797.31720250766	39.48496136579864	-101.3370512	299008.6081643097	4373202.85658469	3360.468094975956	3215.58662472928	3105.403731258896	3105.6551610300654	3105.758671822735	109.9032403866051
334	241	177934	-151161.1413	950797.31720250766	39.48497172849474	-101.3347141	299209.605326717	4373198.793157525	3357.513946675027	3214.45865292718	3104.35839237034	3104.73458554517	3105.075672962839	110.1050974714665
335	241	177935	-150501.1413	950797.31720250766	39.48498336940454	-101.3318456	299416.659219712	4373184.278617138	3357.9336249823553	3213.40347443817	3103.801685448525	3104.271854404445	3104.271854404445	110.271854404445
336	241	177936	-149841.1413	950797.31720250766	39.48499531845044	-101.33004	299611.69211453374	4373180.6653647	3355.104556000404	3212.39971196088	3103.186942169899	3103.032359595324	3103.032359595324	109.3637316628241
337	241	177937	-149181.1413	950797.31720250766	39.48500524570989	-101.327703	299812.7371056485	4373186.60330525	3354.2863418789978	3211.384023409655	3100.27268006466	3101.782303490489	3111.114015344969	110.07108011672
338	241	177938	-148521.1413	950797.31720250766	39.48501272823744	-101.3253659	300013.75171026757	4373182.504472688	3353.282138837396	3210.368369631309	3098.210948250392	3099.513952127656	3112.1754207062991	110.8724710365274
339	241	177939	-147861.1413	950797.31720250766	39.485028684791965	-101.3230289	300202.8141863	4373173.784748	3352.931997137973	3209.4054703042784	3095.4102291151674	3096.1562971151674	3113.9943491527114	113.284271884382
340	241	177940	-147201.1413	950797.31720250766	39.4850396614546	-101.3206918	300415.85732152115	4373174.415399909	3352.93292722051	3208.40520088642	3092.17142403831	3092.201639157686	3116.233070498196	116.202890935095
341	241	177941	-146541.1413	950797.31720250766	39.48504930929144	-101.3183546	300616.93861346287	4373170.537177955	3352.9338249823553	3207.8326167979893	3091.622411330876	3091.622411330876	3116.233070498196	116.233070498196
342	241	177942	-145881.1413	950797.31720250766	39.4850610459454	-101.3161077	300817.987699367	4373166.10749307	3352.93477801402	3206.95785781402	3090.5785197402	3090.5785197402	3116.233070498196	116.233070498196
343	241	177943	-145221.1413	950797.31720250766	39.48506296120817	-101.3138607	301018.97917109507	4373162.229	3352.93126129183403	3203.301204014419	3090.2555162	3090.2555162	3116.233070498196	116.233070498196
344	241	177944	-144561.1413	950797.31720250766	39.4850727744795	-101.3113436	301210.01937611	4373158.16775309	3352.931518339649	3201.52139339649	3089.5416656827	3090.5416656827	3116.233070498196	116.233070498196
345	241	177945	-143901.1413	950797.31720250766	39.48508273854201	-101.3090066	301421.05942834023	4373154.106398515	3350.551717809576	3200.19109067615	3092.246781619456	3094.682729029634	307.5643174481582	105.1283730576512
346	241	177946	-143241.1413	950797.31720250766	39.48509255949028	-101.3066695	301622.0956248379	4373150.45226966	3350.5170703628	3200.18286221745	3091.6021611121605	3091.6021611121605	307.5643174481582	105.1283730576512
347	241	177947	-142581.1413	950797.31720250766	39.485102352925815	-101.3043329	301823.18693066596	4373145.94826757	3350.2211621027	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
348	241	177948	-141921.1413	950797.31720250766	39.48511215146038	-101.3020942	302024.1785454174	4373141.923251175	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
349	241	177949	-141261.1413	950797.31720250766	39.48512175146038	-101.2996584	302225.217608297	4373137.86298214	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
350	241	177950	-140601.1413	950797.31720250766	39.48513191382546	-101.2973213	302426.256681301	4373133.80255175	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
351	241	177951	-139941.1413	950797.31720250766	39.48514098704466	-101.2949843	302627.29563340656	4373129.742527133	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
352	241	177952	-139281.1413	950797.31720250766	39.485150537117974	-101.2926472	302828.3342070349	4373125.68263691	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
353	241	177953	-138621.1413	950797.31720250766	39.4851602404543	-101.2903102	303029.3276862511	4373121.62824343	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
354	241	177954	-137961.1413	950797.31720250766	39.4851699182694	-101.2879731	303230.4190729724	4373117.56348474	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
355	241	177955	-137301.1413	950797.31720250766	39.485179639182694	-101.285636	303431.5190729724	4373113.5190729724	3350.158254530204	3200.142964493063	3090.83496655589	3092.672140838402	305.589778	103.7488601468071
356	241	177956	-136641.1413	950797.31720250766	39.48518828595192	-101.283299	303632.489675895	4373109.44512						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevLogsKrg.f	BRrElevBothKrg.f	SurfElevBothKrg.f	SatHBoth.f
439	241	178039	-81861.14133	95079.71370250766	39.458080573234335	-101.0893213	320713.98176568525	4372773.276145451	3163.7838038939537	2986.3632750845354	2986.4299528146175	2992.605199103037	71.93332226991788	65.75807589123174
440	241	178040	-818201.14133	95079.71370250766	39.45881415040804	-101.088232	3205910.04201219	4372769.347214465	3160.3395051515554	2985.990323962106	2999.4721843904506	2999.4721843904506	71.93332226991788	65.75807589123174
441	241	178041	-80841.14133	95079.71370250766	39.458819692435457	-101.0846471	320729.026490481	4372765.193547236	3165.9528719158127	2985.92369036026	2985.92369036026	2991.150496911685	68.13825990970121	63.91301338810077
442	241	178042	-79881.14133	95079.71370250766	39.458525169315746	-101.062361	320923.048607045	4372761.152563119	3153.545104	3053.42935254375	2984.80361940574	2997.167346097555	68.6256359307112	56.21979445720044
443	241	178043	-79221.14133	95079.71370250766	39.45853601104881	-101.0799729	321122.0703334336	4372751.11788724	3148.9098658577967	3051.8084116101804	2984.2154283473647	2997.343437748225	67.59292638251578	56.47096784
444	241	178044	-78561.14133	95079.71370250766	39.45863600763471	-101.0776358	321323.09228840703	4372753.071	3143.27203641967	3050.1996843194675	2983.532403531579	2994.320032	67.666727899	55.87952628007534
445	241	178045	-77901.14133	95079.71370250766	39.45844135907339	-101.0752987	321524.1386914214	4372749.038699544	3137.6341160661386	3048.6021734660124	2982.7187733055816	2990.5152091911251	65.88340014046571	49.484964258431935
446	241	178046	-77241.14133	95079.71370250766	39.4585466536484	-101.0729616	321725.1352745716	4372744.907247005	3131.9961956703096	3047.015384822434	2981.63435335818	2990.5849254107864	65.81301346246007	49.484964258431935
447	241	178047	-76581.14133	95079.71370250766	39.4585192650999	-101.0706458	321926.156804454	4372745.950798961	3127.022955912917	3045.4387682741167	2980.9239107788107	2991.096295771023	65.88857494305092	49.484964258431935
448	241	178048	-75921.14133	95079.71370250766	39.4585714230509	-101.0682874	322177.177562455	4372739.911064497	3122.73418712599	3043.871696402235	2977.44652967159	2991.62372156398	65.12506737156934	45.407573156934
449	241	178049	-75261.14133	95079.71370250766	39.458628313558845	-101.0659503	322382.1984582894	4372732.8715118	3118.4388227060513	3042.3345891371	2974.6254821343555	2995.161347575373	67.6893789	55.87952628007534
450	241	178050	-74601.14133	95079.71370250766	39.45856743905835	-101.0636132	322529.219165095	4372738.823243543	3114.1045475995136	3040.766085827177	2970.4887769597544	2993.927149676873	67.2792892256328	46.840916905347
451	241	178051	-73941.14133	95079.71370250766	39.45857192501359	-101.0612761	322730.2397041442	4372724.79314761	3110.5458192250204	3039.2331753139006	2965.48554899637	2992.848951292191	67.77516631754361	46.840916905347
452	241	178052	-73281.14133	95079.71370250766	39.4586775502515	-101.058939	322931.2607032883	4372720.754	3104.6489075841178	3037.7100744556933	2960.599737764307	2989.5907335512137	67.11336919131257	47.80273894356506
453	241	178053	-72621.14133	95079.71370250766	39.45868254528224	-101.0566019	323132.2806236289	4372717.71585857	3098.5154648992373	3036.196313001229	2958.3601234001213	2988.9738621465367	67.7386194	53.61649215866513
454	241	178054	-71961.14133	95079.71370250766	39.4586749033962	-101.054248	323333.3002844866	4372712.67711913	3094.853084298045	3034.091162569758	2961.39010226311	2975.968137863855	73.3014200367142	58.7234748
455	241	178055	-71301.14133	95079.71370250766	39.4586923903616	-101.051277	323534.3013359445	4372706.63882143	3090.98401847292	3033.195182674231	2967.494033591801	2975.664785028396	65.10142824292	57.53703371391155
456	241	178056	-70641.14133	95079.71370250766	39.45859725148046	-101.0495906	323735.3398107297	4372704.60061506	3088.14383585098	3031.706417007775	2971.62752758622	2976.52733964726	60.0788941925554	55.17840034311547
457	241	178057	-69981.14133	95079.71370250766	39.458590205	-101.0472535	323936.3593150872	4372700.52978325	3085.304365342836	3025.22898669174	2972.321033567196	2975.5289341293417	57.9048632107806	54.695643981255
458	241	178058	-69321.14133	95079.71370250766	39.458571937601	-101.0449164	324137.3786482448	4372696.52530882	3082.4635426307	3028.75378524082	2970.992313952618	2974.251393870648	57.710538997496	54.501413175965
459	241	178059	-68661.14133	95079.71370250766	39.4585193587511	-101.0422593	324338.397909876	4372684.48731162	3080.706911916595	3027.28830640602	2969.183492902931	2973.333844115144	58.1101066670646	53.6549917054748
460	241	178060	-68001.14133	95079.71370250766	39.4585916295452	-101.040227	324539.4169003304	4372680.451	3080.034035044987	3025.830506246888	2967.310596655582	2971.15203360401	58.1954758053052	54.6784623627745
461	241	178061	-67341.14133	95079.71370250766	39.4585916295452	-101.0378284	324742.453791854	4372678.431787154	3078.361137826137	3024.97182354538	2965.21473268197	2970.4887769597544	58.1954758053052	54.6784623627745
462	241	178062	-66681.14133	95079.71370250766	39.45859254020114	-101.035568	324941.543685338	4372680.736035316	3078.86250736653	3022.97115533394	2962.690547115154	2971.7342239273	60.2809106224285	55.2983524542025
463	241	178063	-66021.14133	95079.71370250766	39.4585926478854	-101.0332309	325142.4728428917	4372678.303435748	3078.11363479633	3021.5036706517376	2959.007113103018	2968.20556760672	61.0595458725458	55.2983524542025
464	241	178064	-65361.14133	95079.71370250766	39.4585943454284	-101.0308938	325343.49115381704	4372672.30388246	3076.63728974526	3020.079143301319	2955.202474615945	2962.38488640904	61.0595458725458	55.2983524542025
465	241	178065	-64701.14133	95079.71370250766	39.45859380690297	-101.0285566	325544.5093	4372668.268728535	3062.1069449488515	3018.663467879071	2952.394061971025	2962.38488640904	61.0595458725458	55.2983524542025
466	241	178066	-64041.14133	95079.71370250766	39.4585943026609	-101.0262195	325745.5272584414	4372664.23187895	3063.684002035064	3017.256531568038	2951.0272588912276	2964.2337819324783	61.0595458725458	55.2983524542025
467	241	178067	-63381.14133	95079.71370250766	39.4585943026609	-101.0238284	325946.5456949129	4372660.196138717	3063.5154648992373	3016.196313001229	2950.3601234001213	2988.9738621465367	61.0595458725458	55.2983524542025
468	241	178068	-62721.14133	95079.71370250766	39.4585916295452	-101.0215453	326147.5620837977	4372658.16008193	3061.8535867705	3014.8535867705	2949.101800912273	2988.9738621465367	61.0595458725458	55.2983524542025
469	241	178069	-62061.14133	95079.71370250766	39.45859642941694	-101.0192082	326348.58014228905	4372652.15267318	3079.7619175291214	3013.0708350225523	2947.303323246216	2987.54832423869	61.0595458725458	55.2983524542025
470	241	178070	-61401.14133	95079.71370250766	39.45859604717236	-101.0168711	326549.5974315881	4372648.091760785	3077.929687	3011.8625422738834	2947.63896	2987.54832423869	61.0595458725458	55.2983524542025
471	241	178071	-60741.14133	95079.71370250766	39.458596449780335	-101.014534	326750.6145519002	4372644.055274468	3079.1707910970203	3010.292585316246	2946.7348540397915	2942.999796	61.0595458725458	55.2983524542025
472	241	178072	-60081.14133	95079.71370250766	39.45859678224085	-101.0121968	326951.6315034293	4372640.021	3083.514925556936	3008.904237780714	2945.320745486394	2941.650134512564	61.0595458725458	55.2983524542025
473	241	178073	-59421.14133	95079.71370250766	39.45859728955335	-101.0095858	327156.4426286394	4372635.968100106	3087.859000136364	3007.5055950070526	2943.755146349405	2945.320745486394	61.0595458725458	55.2983524542025
474	241	178074	-58761.14133	95079.71370250766	39.45859711719504	-101.007327	327356.5647918751	4372631.951327313	3087.521914472104	3006.5182354538	2942.045147555127	2945.320745486394	61.0595458725458	55.2983524542025
475	241	178075	-58101.14133	95079.71370250766	39.45859728955335	-101.0051856	327554.6813474037	4372627.17764161	3087.859000136364	3007.5055950070526	2943.755146349405	2945.320745486394	61.0595458725458	55.2983524542025
476	241	178076	-57441.14133	95079.71370250766	39.45859648600629	-101.002485	327755.6975267117	4372623.89395107	3087.521914472104	3006.5182354538	2942.045147555127	2945.320745486394	61.0595458725458	55.2983524542025
477	241	178077	-56781.14133	95079.71370250766	39.45859678224085	-101.0005113	327956.7317365838	4372619.050266565	3121.694602132953	3001.889955376386	2935.891628483663	2933.4851970562073	61.0595458725458	55.2983524542025
478	241	178078	-56121.14133	95079.71370250766	39.45859678224085	-101.0005113	327956.7317365838	4372619.050266565	3121.694602132953	3001.889955376386	2935.891628483663	2933.4851970562073	61.0595458725458	55.2983524542025
479	241	178079	-55461.14133	95079.71370250766	39.4585964533524	-100.9958371	328157.7296797492	4372615.81632128	3122.623394077197	3001.01637357393	2934.27050400813	2931.9535452594485	61.0595458725458	55.2983524542025
480	241	178080	-54801.14133	95079.71370250766	39.4585964533524	-100.9958371	328157.7296797492	4372615.81632128	3122.623394077197	3001.01637357393	2934.27050400813	2931.9535452594485	61.0595458725458	55.2983524542025
481	241	178081	-54141.14133	95079.71370250766	39.4585964533524	-100.9958371	328157.7296797492	4372615.81632128	3122.623394077197	3001.01637357393	2934.27050400813	2931.9535452594485	61.0595458725458	55.2983524542025
482	241	178082	-53481.14133	95079.71370250766	39.4585964533524	-100.9958371	328157.7296797492	4372615.81632128	3122.623394077197	3001.01637357393	2934.27050400813	2931.9535452594485	61.0595458725458	55.2983

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREVElevKgr.ft	BREVElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
55	241	178165	1298.858673033514	950797.3170250766	-00.794845	456458.4898967913	4732265.709313097	2868.618218012327	2682.761678842566	2770.2322721691469	2774.423227378919	82.52896715107752	88.3838110362785
56	241	178166	1958.858673033514	950797.3170250766	-00.792979	456458.5000932769	4732261.694287181	2935.550403258165	2861.1950552297894	2760.849072113247	2773.3205323546236	80.34598131454263	87.87452297
567	241	178167	2618.858673033514	950797.3170250766	-00.780167	456467.50275766203	4732257.679471343	2938.2025846653626	2859.64122220816	2764.31608989329	2781.3921608989329	80.13921413982697	87.7272122463678
568	241	178168	3278.858673033514	950797.3170250766	-00.780337	456461.5529102441	-00.780337	4732253.664429078	2937.619683634121	2858.107471136575	2760.895370634067	80.1411845061081	80.78533140083294
569	241	178169	3938.858673033514	950797.3170250766	-00.7854965	456464.50061948233	4732249.6546648095	2940.0368088032974	2856.569630384429	2762.7514728429646	2771.8477201323667	83.81835754	84.72221105206252
570	241	178170	4598.858673033514	950797.3170250766	-00.7831594	456465.5074232742	4732245.632747291	2942.453933791283	2855.035663042336	2763.990515808551	2775.41173087204	91.01457123468572	79.62389959513265
571	241	178171	5258.858673033514	950797.3170250766	-00.7808223	456461.544498054	-00.7808223	4732251.622934285	2945.303158428835	2853.50042038067	2764.762545594165	77.7938715091173	77.3663694868944
572	241	178172	5918.858673033514	950797.3170250766	-00.7784852	456461.5403267029	-00.7784852	4732237.609	2948.5848483	2851.961151708702	2765.4916031294442	78.46991436	76.3532841052084
573	241	178173	6578.858673033514	950797.3170250766	-00.7761481	456463.5360521432	-00.7761481	4732233.54867134	2953.114809151425	2858.41864808491	2766.3212594680491	79.6489814013027	74.5302438861503
574	241	178174	7238.858673033514	950797.3170250766	-00.7738109	456461.515704378	-00.7738109	4732229.581602122	2955.147132560433	2849.672560276713	2767.1971756112533	79.7104440771093	81.6753849603001
575	241	178175	7898.858673033514	950797.3170250766	-00.7717438	456465.5122440585	-00.7717438	4732256.54855854	2957.372769515176	2847.32108474734	2767.763873920248	79.720877760693	75.24303786078053
576	241	178176	8558.858673033514	950797.3170250766	-00.7691367	456461.52051951116	-00.7691367	4732221.55581322	2958.5482011611684	2845.765732	2768.0487503143067	79.7018192	77.71698144280344
577	241	178177	9218.858673033514	950797.3170250766	-00.7676996	456461.54390182	-00.7676996	4732227.575278921	2959.7128053707813	2844.204384701366	2768.1535896260731	79.70259196012047	79.71407465100139
578	241	178178	9878.858673033514	950797.3170250766	-00.764625	456458.5107907467	-00.764625	4732213.53029434	2960.882089504097	2842.67385208054	2768.2459667741146	79.700302203149	78.634297790908
579	241	178179	10538.858673033514	950797.3170250766	-00.7621253	456459.5134	-00.7621253	4732209.51796861	2961.453799539871	2841.066229898175	2768.169100337943	79.68860805170196	72.88971253438054
580	241	178180	11198.858673033514	950797.3170250766	-00.7597782	456460.513075406	-00.7597782	4732205.508585385	2964.545775248454	2839.48962530148	2767.800591033487	79.68030301297478	71.68003458342764
581	241	178181	11858.858673033514	950797.3170250766	-00.7575451	456461.5167167652	-00.7575451	4732201.493961409	2966.59759752263	2837.9081945745806	2768.9499954892	79.6719190258885	70.2493136780294
582	241	178182	12518.858673033514	950797.3170250766	-00.7551114	456462.512801891	-00.7551114	4732197.48227111	2968.645726665995	2836.326961993896	2765.774342888595	79.6655352103437	70.54835130179312
583	241	178183	13178.858673033514	950797.3170250766	-00.7527769	456461.4684705191	-00.7527769	4732193.470994839	2968.868224207054	2834.733510770229	2764.3784847521596	79.6429231	70.35502601803319
584	241	178184	13838.858673033514	950797.3170250766	-00.7504397	456461.514464226	-00.7504397	4732187.45959136	2970.373822148056	2833.140811225019	2762.5704058177503	79.623188936843	70.8066228817614
585	241	178185	14498.858673033514	950797.3170250766	-00.7481026	456461.50847268	-00.7481026	4732185.48472294	2965.72845422211	2831.544779419423	2760.42496156098	79.593436303434	71.1198315840028
586	241	178186	15158.858673033514	950797.3170250766	-00.745765	456466.509094707	-00.745765	4732181.4372196	2964.14954284115	2829.94586628284	2758.183761076877	79.5717088536047	73.76598151023934
587	241	178187	15818.858673033514	950797.3170250766	-00.7434298	456467.506716816	-00.7434298	4732179.352479	2961.184694969554	2828.9269415425	2758.34373454284	79.54835130179312	74.145743740454
588	241	178188	16478.858673033514	950797.3170250766	-00.7416173	456461.5167167652	-00.7416173	4732179.352479	2962.6343298143	2826.79302677105	2753.348159569358	79.51701267524607	73.930406901453
589	241	178189	17138.858673033514	950797.3170250766	-00.7387541	456469.506369139	-00.7387541	4732169.406391474	2962.13382682686	2825.130146392487	2752.49805296622	79.51957381643387	73.7216748813309
590	241	178190	17798.858673033514	950797.3170250766	-00.736417	456461.507478978	-00.736417	4732165.39633041	2961.643321066159	2823.513693144522	2753.589676033417	79.514794745253	69.9240255418053
591	241	178191	18458.858673033514	950797.3170250766	-00.7340799	456461.50311874953	-00.7340799	4732161.36489508	2961.355382959667	2821.890585151905	2754.356832280215	79.5757724048239	63.73376263
592	241	178192	19118.858673033514	950797.3170250766	-00.7317428	456461.5013083578	-00.7317428	4732157.47969867	2960.22467500189	2823.7034710837	2755.87362356328	65.6587297	63.8989187660278
593	241	178193	19778.858673033514	950797.3170250766	-00.7293663	456461.50575109534	-00.7293663	4732153.495850833	2958.184694969554	2821.98369412593	2755.268956988935	66.62769389825	63.76598151023934
594	241	178194	20438.858673033514	950797.3170250766	-00.7270968	456461.519449495	-00.7270968	4732151.4973	2957.19343524789	2819.6253925184	2749.673586947048	67.1195913371002	63.6198514112216
595	241	178195	21098.858673033514	950797.3170250766	-00.7247314	456461.516754915557	-00.7247314	4732145.34951575	2956.30652715757	2817.3421877130048	2750.26448512326	68.11439445522	65.0587964523108
596	241	178196	21758.858673033514	950797.3170250766	-00.7223943	456461.5187649267305	-00.7223943	4732141.34868194	2956.862727956073	2817.342082448859	2744.653232473471	69.054477159817	66.4618358462059
597	241	178197	22418.858673033514	950797.3170250766	-00.7200572	456461.528071818726	-00.7200572	4732133.30230866	2957.40594112039	2812.050130496807	2742.0787967001163	69.423156210444	68.4209778923684
598	241	178198	23078.858673033514	950797.3170250766	-00.7177201	456461.52527847430995	-00.7177201	4732133.3283332	2955.94548228289	2810.39262965141	2739.561249367964	69.8132467679693	70.80918164999821
599	241	178199	23738.858673033514	950797.3170250766	-00.7153829	456461.529484719555	-00.7153829	4732129.51344533	2955.09349544817	2808.736692440817	2737.09915686157	71.63147892977994	74.91702479977994
600	241	178200	24398.858673033514	950797.3170250766	-00.7130458	456461.526581611517	-00.7130458	4732125.30713983	2954.1673850176187	2807.33457176187	2734.851921523204	71.1902909442055	78.145743740454
601	241	178201	25058.858673033514	950797.3170250766	-00.7107087	456461.528881476523191	-00.7107087	4732121.298991191	2953.1427714116236	2805.799070658083	2732.779073658598	72.017878224014581	73.94289434890798
602	241	178202	25718.858673033514	950797.3170250766	-00.7083716	456461.525963341	-00.7083716	4732117.29237486	2953.95168242167	2803.709771552915	2730.840571764926	72.9291510073763	72.8698134742225
603	241	178203	26378.858673033514	950797.3170250766	-00.7060345	456461.52877142574	-00.7060345	4732113.208503528	2952.0327967151546	2802.1048939479488	2730.557394386056	72.9180022	63.740354764025
604	241	178204	27038.858673033514	950797.3170250766	-00.7036973	456461.51967033034	-00.7036973	4732109.27797705	2952.453940343694	2800.3355383144203	2727.4539034314257	73.16032171003	65.1590614098947
605	241	178205	27698.858673033514	950797.3170250766	-00.7013602	456461.536854675145	-00.7013602	4732105.271	2944.575739416987	2798.6411895062468	2725.951062159955	73.226900931	66.6202869729323
606	241	178206	28358.858673033514	950797.3170250766	-00.6991431	456461.533886400447984	-00.6991431	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
607	241	178207	29018.858673033514	950797.3170250766	-00.6968268	456461.535464242095	-00.6968268	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
608	241	178208	29678.858673033514	950797.3170250766	-00.6943939	456461.52549809156	-00.6943939	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
609	241	178209	30338.858673033514	950797.3170250766	-00.6920118	456461.534488486796303	-00.6920118	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
610	241	178210	30998.858673033514	950797.3170250766	-00.6896746	456461.540044132444	-00.6896746	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
611	241	178211	31658.858673033514	950797.3170250766	-00.6873375	456461.538091880596	-00.6873375	4732101.26406917	2940.897678997046	2796.342191820876	2724.635612430174	73.203032196	65.99005437597956
612	241	178212	32318.858673033514	950797.3170250766	-00.6850004	456461.535092435150375	-00.6850004	4732101.26406917	2940.897678997046	2796.342191820876	2724.6356124		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SurfElevKrg.ft	SurfBothKrg.ft
691	241	178291	84458.85867307335	90.597971730250766	39.48576818328573	-00.5003688	370970.64308676205	4371761.457885483	2798.7124501488456	2587.648082	2594.944261070832	56.19773532606726	48.32335366079532
692	241	178292	85118.85867307335	90.597971730250766	39.48576836236779	-00.4890317	371171.6279006975	4371767.488901611	2794.5558213573757	2641.5789825345332	2594.7273008154426	56.17014625143242	46.85162106949048
693	241	178293	85738.85867307335	90.597971730250766	39.485774538102795	-00.066486	371272.6155918258	4371783.480125445	2790.419176925988	2639.8962686813786	2587.7240865788894	56.1873067888894	52.8517589690807
694	241	178294	86438.85867307335	90.597971730250766	39.485776847790654	-00.4833755	371573.57159194917	4371749.491956961	2786.2725403115793	2638.217118271593	2575.879741836703	56.150029176916	59.11612429387894
695	241	178295	87098.85867307335	90.597971730250766	39.48577621233148	-00.4910204	371774.5816041824	4371745.5037661	2784.34325277013	2636.5729420726693	2568.1808598781354	56.2989223371706	68.3921414953388
696	241	178296	87758.85867307335	90.597971730250766	39.48577637172524	-00.4886833	371975.56592610513	4371741.553612843	2775.904532700832	2634.9239767491347	2558.7798196426293	56.4412568361441	76.52290604819548
697	241	178297	88418.85867307335	90.597971730250766	39.48577607599193	-00.4863462	372176.5501246047	4371737.526997565	2776.3747398296865	2633.28496454275	2552.8251850613243	56.25273474	80.48269905252536
698	241	178298	89078.85867307335	90.597971730250766	39.48577630571757	-00.4840091	372377.5324524647	4371733.54046071	2774.8844695709565	2631.64850076638	2554.7936505004805	56.257474289697015	76.62560076176273
699	241	178299	89738.85867307335	90.597971730250766	39.48577651902421	-00.481672	372578.5181577194	4371729.353298565	2776.27450689968	2630.014777173616	2556.9209471872605	56.259236626813786	78.01100530157551
700	241	178300	90398.85867307335	90.597971730250766	39.4857763235	-00.479335	372778.501900227	4371725.567107047	2777.6652105764	2628.374493422236	2556.89424556412	56.2702676704124	82.67149717811255
701	241	178301	91058.85867307335	90.597971730250766	39.48572615	-00.4769979	372980.4857013868	4371721.57913921	2776.056414152567	2626.7366432903473	2556.939245379688	56.26602923274822	79.6973471047913
702	241	178302	91718.85867307335	90.597971730250766	39.4857199	-00.4746608	373181.46929101425	4371717.592484847	2775.0849229773865	2625.0948229773865	2556.5430863307434	56.55534864	85.05247887695259
703	241	178303	92378.85867307335	90.597971730250766	39.48571360336462	-00.4723237	373382.45275981235	4371713.605895163	2782.9678580127949	2623.46555097729	2555.7830213872626	56.69109123431432	67.37312074629699
704	241	178304	93038.85867307335	90.597971730250766	39.48570726158227	-00.4699686	373583.4361064803	4371709.619693077	2773.6204301272082	2621.810918171284	2554.888161760918	56.676698461644	66.9423006
705	241	178305	93698.85867307335	90.597971730250766	39.48570087465298	-00.4674995	373784.4195327357	4371705.63308582	2774.6273002441163	2620.2687455562	2553.888337467558	56.63489005901477	66.922908800418
706	241	178306	94358.85867307335	90.597971730250766	39.485694442576715	-00.4653124	373985.402438275	4371701.647311666	2774.9255748111175	2618.594207165377	2552.816866056058	56.7773386047947	59.1390780150577
707	241	178307	95018.85867307335	90.597971730250766	39.48568795353334	-00.4629753	374186.3854233026	4371697.6620235	2774.0254000441235	2616.9964803749003	2551.499252061067	56.558914339043	65.6500551679365
708	241	178308	95678.85867307335	90.597971730250766	39.4856814296344	-00.4606382	374387.368280271	4371693.67600544	2774.274792811215	2615.4137369765466	2550.071255454587	56.468134026751	62.4511861916797
709	241	178309	96338.85867307335	90.597971730250766	39.4856774546641	-00.4583011	374588.5013026532	4371689.69136314	2774.19555822004	2613.8615009142263	2548.320856	56.5030914515375	63.47313576065148
710	241	178310	96998.85867307335	90.597971730250766	39.48566826	-00.455964	374789.3337	4371685.706	2772.666377633867	2612.33027269225	2545.46429	56.4616371480348	65.6087375405222
711	241	178311	97658.85867307335	90.597971730250766	39.4856616	-00.453627	374990.3164243086	4371681.721460482	2776.30717063989	2610.83549044084	2546.98118480345	56.5418718948041	68.39730450598721
712	241	178312	98318.85867307335	90.597971730250766	39.4856102034014	-00.4512699	375191.296479927	4371677.5358585	2778.051175143151	2609.370673829134	2543.179310189385	56.5461664176108	70.1059664710988
713	241	178313	98978.85867307335	90.597971730250766	39.48556315	-00.449077	375392.3286172581	4371673.59245913	2779.824825453072	2607.8272413073804	2542.145104534072	56.5481145104534072	71.810467126665
714	241	178314	99638.85867307335	90.597971730250766	39.4855143057813	-00.4466157	375593.26296149055	4371668.7818151	2777.5091301554767	2605.53175571904	2541.536388	56.537309090092	73.9244139481023
715	241	178315	100298.85867307335	90.597971730250766	39.48554322279916	-00.4442786	375794.2448983671	4371665.784179049	2775.560185	2605.149382833326	2512.5061769728004	56.51746831143787	92.40254971894728
716	241	178316	100958.85867307335	90.597971730250766	39.4856276387314	-00.4419415	375995.227	4371661.8	2773.929307482744	2603.784702772408	2511.369780897359	56.5113914636137	92.4149746504857
717	241	178317	101608.85867307335	90.597971730250766	39.485620710039605	-00.4396404	376196.2087905686	4371657.816781324	2776.0242139188777	2602.421321577387	2507.4853568069527	56.50744102007813	94.99110315
718	241	178318	102278.85867307335	90.597971730250766	39.485617376200975	-00.4372673	376397.1904636377	4371653.83394667	2776.65429214992	2601.06716897314	2500.91706842071	56.5007196842071	100.2910061025308
719	241	178319	102958.85867307335	90.597971730250766	39.4856106712584	-00.4348633	376598.1720185707	4371649.85215467	2778.247113586994	2599.744437	2500.12225367955	56.4915664176108	101.6277364813384
720	241	178320	103598.85867307335	90.597971730250766	39.4856046515	-00.4324776	376799.154566155	4371645.97872421	2779.4211971875	2598.40213602485	2498.60505925787	56.4850050527368	112.656355248174
721	241	178321	104258.85867307335	90.597971730250766	39.48559253404415	-00.4302561	377000.1347751198	4371641.88479418	2774.161044027557	2597.074628724453	2486.3752809055343	56.485047616905	110.6821737206964
722	241	178322	104918.85867307335	90.597971730250766	39.48558538937874	-00.427919	377209.1159771476	4371637.91922551	2775.868108910627	2595.7072202019	2485.984754757549	56.485233896405	110.25487132370568
723	241	178323	105658.85867307335	90.597971730250766	39.48558169803622	-00.4255819	377402.0970613519	4371633.919537109	2775.323344752314	2594.3525025343	2485.50182322217	56.48490273488252	108.8528973017189
724	241	178324	106238.85867307335	90.597971730250766	39.4855790450722	-00.4232448	377603.0789297361	4371629.937431082	2776.469781765319	2592.9938154497463	2484.784918938153	56.48111205474043	108.8620936731597
725	241	178325	106898.85867307335	90.597971730250766	39.4855636	-00.4209377	377804.089	4371625.95849642	2778.71722978784	2591.622231963306	2484.945288642732	56.4843945949667	107.725362333968
726	241	178326	107558.85867307335	90.597971730250766	39.4855563	-00.4185707	378005.39879203	4371621.973769013	2779.46824591853	2590.2396473073804	2486.247894535293	56.48191767720901	109.91764726665
727	241	178327	108218.85867307335	90.597971730250766	39.4855480404976	-00.4162328	378206.020233031	4371617.9167	2779.756179674467	2588.845587033137	2487.050467304955	56.48179395	110.7561202618611
728	241	178328	108858.85867307335	90.597971730250766	39.48554511474383	-00.4138965	378407.00073479244	4371614.01036953	2778.6214621627275	2590.4037604328	2486.79565964226	56.48249160421235	100.644503690024
729	241	178329	109538.85867307335	90.597971730250766	39.4855340429148	-00.4115594	378607.8811265625	4371610.03	2778.6214621627275	2586.02462176836	2485.417501972285	56.480719205506	100.8054136272526
730	241	178330	110198.85867307335	90.597971730250766	39.4855265286932	-00.4092223	378808.9613905447	4371606.4893417	2778.153461303282	2584.986446471518	2483.2970965196	56.4811255759018	101.3015490632186
731	241	178331	110858.85867307335	90.597971730250766	39.48551896794668	-00.4069833	379009.9415445953	4371568.07829376	2778.56875306929	2583.162534616323	2481.54572398243	56.48173597469484	101.6180780310293
732	241	178332	111558.85867307335	90.597971730250766	39.48551136053496	-00.4045482	379210.521583703	4371598.07760749	2778.737369749624	2581.71636004001	2482.1217073751	56.48173680879483	99.9463961720012
733	241	178333	112158.85867307335	90.597971730250766	39.4855081158504	-00.402209	379411.58194853	4371594.8590333	2779.19184589533	2580.19184589533	2481.19184589533	56.48173680879483	100.10040452
734	241	178334	112838.85867307335	90.597971730250766	39.48550491483009	-00.399874	379612.8813716104	4371592.1741668	2779.79414259858	2580.04526325818	2485.4381236525818	56.48173680879483	92.7616687
735	241	178335	113438.85867307335	90.597971730250766	39.48548827349807	-00.3975369	379813.8601083725	4371596.14756982	2778.780597282	2577.318251026135	2488.036774765084	56.4822623328718	90.0566177253698
736	241	178336	114158.85867307335	90.597971730250766	39.4854804870195	-00.395199	380014.84050940796	4371592.16700182	2778.0518309752324	2575.832943713007	2488.2176195308687	56.48173680879483	92.7616687
737	241	178337	114858.85867307335	90.597971730250766	39.485472653344	-00.3928628	380215.0250562965	4371588.18454426	2778.34560297335	2574.37228867238	2488.489148	56.4817368087948	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SeaOffKgr.f	SurfBothKgr.f
76	242	178417	-320781.1413	951457.3170250766	39.48263621097233	-101.935328	247538.83275691597	4374451.425158343	3796.8209736179865	3677.968014123245	3489.9464158835344	3490.003233237514	80.0221828237007	97.96523408887306
78	242	178418	-320721.1413	951457.3170250766	39.48265813050619	-101.932989	247739.53190466846	4374447.307	3794.550862973663	3586.61268972304	3488.9569519902247	3489.0569684820567	98.0946768627936	97.04431411024734
79	242	178419	-319461.1413	951457.3170250766	39.48263621097233	-101.930691	247841.0386028015	4374443.186902163	3793.217862918226	3585.340312925112	3470.67132093949	3470.5027704422638	114.8881693146277	114.83754238498113
80	242	178420	-318901.1413	951457.3170250766	39.4827018344275	-101.9283223	248124.129515352	4374439.071378327	3792.821851326556	3584.03468142556	3471.15109022562	3476.12708907614	116.919750603044	107.9507506030005
81	242	178421	-318141.1413	951457.3170250766	39.48272361863485	-101.9258584	248343.22785106886	4374434.358377317	3792.425919463389	3582.733442399465	3466.112577608726	3483.078890330868	116.6206847073878	95.84545176857995
82	242	178422	-317481.1413	951457.3170250766	39.48274355770328	-101.9236486	248544.32000016904	4374430.836981929	3792.43178559339222	3581.4357855451235	3465.052472368115	3485.540059082986	116.3803630831206	95.8942935319493
83	242	178423	-316821.1413	951457.3170250766	39.48277603613271	-101.9213117	248745.42300393313	4374426.71953751	3789.58770274347	3580.140738234313	3463.8669202579843	3486.430059302632	116.2732710443731	93.70923673
84	242	178424	-316161.1413	951457.3170250766	39.48277887042315	-101.918749	248946.5215565302	4374422.603	3788.123968046942	3578.844719374266	3462.5386195062947	3485.060491432814	116.3006998977117	93.78427294
85	242	178425	-315501.1413	951457.3170250766	39.482810304074555	-101.916658	249147.6189613258	4374418.68	3786.609675349792	3576.258972328793	3460.9412804226533	3482.41143898791	116.13745728418224	93.78427294
86	242	178426	-314841.1413	951457.3170250766	39.4828318622665	-101.9143012	249348.7161773478	4374414.36956427	3776.192561652945	3575.255614602628	3459.365218325847	3480.0784718538	116.0834313441707	96.1745142172661
87	242	178427	-314181.1413	951457.3170250766	39.482853375960026	-101.9119643	249549.8310266701	4374410.25340023	3773.02166834215	3574.95259	3457.70158401513	3475.589750332345	117.2541108265453	93.9658614743565
88	242	178428	-313521.1413	951457.3170250766	39.482874841494306	-101.9096275	249750.9068750813	4374406.137238817	3771.148279	3573.6854938313495	3455.96584751694	3471.7335311788174	117.6988353561801	101.9246626252309
89	242	178429	-312861.1413	951457.3170250766	39.48289627	-101.907296	249952.0601008576	4374402.10350167	3769.277482492657	3572.3611751439526	3454.301314904505	3468.02125862920	118.0586015350209	104.33999165236932
90	242	178430	-312201.1413	951457.3170250766	39.48291764544335	-101.9049538	250153.102266603	4374397.95094284	3767.4014954069234	3571.0262945066273	3452.601706215211	3462.014333650374	118.46181484811648	106.815608923214
91	242	178431	-311541.1413	951457.3170250766	39.482938978005574	-101.9026189	250354.1981857217	4374393.790571517	3765.122306029403	3569.7635632305	3450.6246476279257	3458.96024666824	119.3001002572949	110.8304197238124
92	242	178432	-310881.1413	951457.3170250766	39.482960265737454	-101.9002801	250555.2038576486	4374389.675410776	3762.437323642144	3558.4631971203306	3448.633396531135	3451.30135458809	119.829657501958	117.101842611649
93	242	178433	-310221.1413	951457.3170250766	39.48298150827487	-101.8979342	250756.3898282475	4374385.56	3757.052338899896	3557.1621233790966	3446.578195475105	3447.352405031420	119.5863803158608	119.8092672749556
94	242	178434	-309561.1413	951457.3170250766	39.48300257057306	-101.8956064	250957.48464152182	4374381.47527837	3757.0767345336734	3555.96167047834	3444.419792606257	3443.176067798292	121.41871777134	122.685026005103
95	242	178435	-308901.1413	951457.3170250766	39.48302385783168	-101.8932695	251158.5793800844	4374377.331206062	3754.882601660416	3564.563136116349	3442.3449048346683	3438.71752931037	122.2182312816808	125.8456122059197
96	242	178436	-308241.1413	951457.3170250766	39.48304497	-101.8909326	251359.67408012776	4374373.21689608	3753.198080735004	3563.267685578736	3440.330730211329	3443.7166407564387	122.9396535674082	126.104482229717
97	242	178437	-307581.1413	951457.3170250766	39.48306602703042	-101.8889598	251560.7682046952	4374369.102989871	3751.313560870408	3561.9770611593607	3438.098703837444	3430.931201685965	123.7835282186279	131.06475043764165
98	242	178438	-306921.1413	951457.3170250766	39.48308740307044	-101.8862589	251761.8627151108	4374358.998915837	3749.85033005012	3560.6929705771225	3435.9654129126134	3427.818837383818	124.727654495012	132.78472313389043
99	242	178439	-306261.1413	951457.3170250766	39.48310873893884	-101.883927	251962.968542604	4374349.83446502	3748.418692449643	3559.166248496428	3432.234817857554	3426.508248496428	125.7901164741284	132.382139762865
100	242	178440	-305601.1413	951457.3170250766	39.48312894213154	-101.8815852	252164.0503812014	4374356.752	3747.2842310239475	3558.148910098996	3431.7137694740054	3421.819265825905	126.4231055938451	136.32938131902438
101	242	178441	-304941.1413	951457.3170250766	39.48314892355257	-101.8792483	252365.1438	4374346.168439904	3746.1461991074027	3556.891061047027	3429.664904801924	3421.819265825905	126.4231055938451	136.32938131902438
102	242	178442	-304281.1413	951457.3170250766	39.48317056983385	-101.8769114	252566.23070400298	4374348.35506626	3745.009967178993	3555.6459973106307	3427.6987286039347	3418.931151154948	127.42726870665136	136.6362857956416
103	242	178443	-303621.1413	951457.3170250766	39.483191450975355	-101.8745746	252767.3300103572	4374344.42286017	3744.723213913208	3554.4134270140106	3425.5635395866837	3417.097795927398	128.8496601742209	137.315346774163
104	242	178444	-302961.1413	951457.3170250766	39.48321219697704	-101.8722377	252968.42734380495	4374340.310078073	3743.258937152975	3553.93100683613	3423.8205933775757	3416.3178744743974	129.3756072003743	138.67522313963973
105	242	178445	-302301.1413	951457.3170250766	39.48323359395215	-101.8693427	253169.575694814	4374337.416599342	3742.38197827831	3553.867198024456	3422.234817857554	3416.3178744743974	129.3756072003743	138.67522313963973
106	242	178446	-301641.1413	951457.3170250766	39.48325503567077	-101.86639	253370.7045177294	4374332.08500146	3741.4186219272	3552.78967743053	3420.1595706541867	3414.3178744743974	129.3756072003743	138.67522313963973
107	242	178447	-300981.1413	951457.3170250766	39.483274164142756	-101.8652271	253571.6994438347	4374327.9330511	3740.35611120617	3551.9492091178888	3418.78620585868	3413.7057306386536	130.80588261970024	138.67522313963973
108	242	178448	-300321.1413	951457.3170250766	39.48329427958474	-101.8628902	253772.791333552	4374323.867177289	3739.550589305157	3548.4027500988423	3417.017376457711	3412.1368610564252	131.84373641133	138.65889404232176
109	242	178449	-299661.1413	951457.3170250766	39.48331524988672	-101.8605533	253973.828698897	4374319.750228056	3738.45587473298	3547.216265670587	3415.16046907286	3410.621482213984	132.0557966330095	135.9529132428604
110	242	178450	-299001.1413	951457.3170250766	39.483335372504865	-101.8582164	254174.9739611977	4374315.63899584	3737.361054654038	3546.0312848154567	3413.253438222144	3409.247378062340	132.7835282186279	136.7390673515222
111	242	178451	-298341.1413	951457.3170250766	39.48335615507045	-101.8558799	254376.964804808	4374312.732774444	3736.752589728417	3544.847620002642	3412.0367098688237	3407.8081148282217	132.8701891344052	136.7390673515222
112	242	178452	-297681.1413	951457.3170250766	39.4833769395215	-101.8535427	254577.1575694814	4374317.416599342	3735.867198024456	3543.867198024456	3410.8983131120206	3406.508248496428	132.7789892128287	137.315346774163
113	242	178453	-297021.1413	951457.3170250766	39.483397663936	-101.8512058	254776.242908018	4374310.307	3735.056009785474	3542.8888123416954	3407.815548891592	3405.311687139805	132.8701891344052	136.7390673515222
114	242	178454	-296361.1413	951457.3170250766	39.48341717429305	-101.848869	254979.336852157	4374309.19653357	3734.38386243436	3541.310964277335	3405.25188735933	3404.90517881379	132.8701891344052	136.7390673515222
115	242	178455	-295701.1413	951457.3170250766	39.48343742375597	-101.846532	255180.4266315014	4374295.0542441	3732.98012641676	3540.1361693835	3402.6085245693635	3401.8916414882856	132.5203915140014	138.299755495793
116	242	178456	-295041.1413	951457.3170250766	39.48345762807673	-101.8441951	255381.5164387548	4374290.97367509	3731.295611516915	3538.9474602752	3399.69797436008	3399.2509731637441	132.9172683037874	139.7123680378474
117	242	178457	-294381.1413	951457.3170250766	39.4834776726716	-101.8418582	255582608	4374291.858592198	3730.61158941905	3537.759858285774	3398.65789815312	3394.28568285913032	132.9172683037874	139.7123680378474
118	242	178458	-293721.1413	951457.3170250766	39.48349780130719	-101.8395213	255783.69548027024	4374292.75899491	3729.72723713121	3536.561170182925	3394.6167508011213	341.9503991428484	132.9172683037874	139.7123680378474
119	242	178459	-293061.1413	951457.3170250766	39.48351796395375	-101.837137	255984.973965925	4374293.416599342	3728.84197827831	3535.867198024456	3393.8205933775757	3407.815548891592	132.9172683037874	139.7123680378474
120	242	178460	-292401.1413	951457.3170250766	39.48353796395375	-101.834875	256185.8733192136	4374275.53765343	3725.945821218555	3534.31736858043	3392.30501627			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
203	242	178543	-237621.1413	1951457.3172050766	39.48504260777999	-01.6048812	272875.4269993023	4733934.213	3505.204108	311.03168482829282	3252.1110370407085	3252.983749223388	165.920563768497	165.0473915954043
204	242	178544	-236961.1413	1951457.3172050766	39.48505134613135	-01.6383442	273706.4963107487	4739350.121989272	3496.674847788847	311.70526805104	3251.20529591135	3253.165404	165.5047313396944	165.3368209134407
205	242	178545	-236301.1413	1951457.3172050766	39.4850721307665	-01.6368272	273277.5694048067	4739260.030201719	3488.145873766958	311.733803211677	3250.31387733819785	3252.952097013434	165.05922733404983	165.4242183202343
206	242	178546	-235641.1413	1951457.3172050766	39.48509116284917	-01.6338702	273476.6126755603	4739339.96968785	3414.0347048510733	311.7504975456853	3253.1552165	3254.19147302817798	166.013947202817798	166.013947202817798
207	242	178547	-234981.1413	1951457.3172050766	39.48510736	-01.6315332	273679.7022262442	473917.849126259	3477.7684173755643	312.684642068488	3249.1394369091735	3253.346884327396	163.54520067552527	161.34995363611915
208	242	178548	-234321.1413	1951457.3172050766	39.48512326	-01.6291962	273880.77012473091	473931.759	3482.6014771120643	311.32088456044	3248.5772430726483	3249.65013339548	161.70271018409726	161.70271018409726
209	242	178549	-233661.1413	1951457.3172050766	39.48513931662722	-01.6268592	274081.83864880055	473938.686277121	3483.45281722851	3409.9400814245587	3247.839374769556	3247.470149245243	162.10006550082	162.0639460041064
210	242	178550	-233001.1413	1951457.3172050766	39.48515527759948	-01.6245222	274282.9075276449	4739305.57170385	3492.2687151184946	3248.92028285407	3246.4742401	3246.4742401	161.6110133	162.06494056942256
211	242	178551	-232341.1413	1951457.3172050766	39.48517113426817	-01.6221855	274483.97603440667	4739401.48827553	3497.1845581766958	3248.11526864246	3245.6781732111686	3247.618765708877	161.437122630683	162.065035837198
212	242	178552	-231681.1413	1951457.3172050766	39.485187064113255	-01.6198482	274685.042812114	473897.58952553	3502.18271215662	3405.95444052703	3244.21190773099	3248.585050378216	161.4238361528113	151.8059435688867
213	242	178553	-231021.1413	1951457.3172050766	39.4852028965468	-01.6175112	274886.1101303458	473893.903121438	3507.1808991152248	3404.1878814540905	3242.3259843837883	3249.3427957327167	161.95191301619752	154.805852173293
214	242	178554	-230361.1413	1951457.3172050766	39.48521867005245	-01.6151742	275087.1772205562	473889.219621815	3512.17906851187439	3402.682181674359	3239.722746	3251.72665616195	162.959406433899	150.95346625516408
215	242	178555	-229701.1413	1951457.3172050766	39.48523400530649	-01.6128372	275288.24408934754	473885.130814781	3515.851632196846	3401.148784814607	3234.883836870208	3255.9554685721	162.946494138386	145.1931349869591
216	242	178556	-229041.1413	1951457.3172050766	39.485250095416795	-01.6105002	275489.3107366238	473881.042	3518.198530846804	3399.589081	3227.105188468064	3236.72775659373	162.38920356937	162.8613232152734
217	242	178557	-228381.1413	1951457.3172050766	39.48526574036337	-01.6081632	275690.3772	473876.953535499	3520.544544404127	3398.034503519996	3225.1454331177124	3227.8590172342472	162.8590468942506	162.8590468942506
218	242	178558	-227721.1413	1951457.3172050766	39.485281340206114	-01.6058262	275891.4433677624	473872.864043603	3523.340685070719	3396.3209694771	3220.10079609045	3249.11438437428	162.2710997112565	147.278125634287
219	242	178559	-227061.1413	1951457.3172050766	39.4852968488503	-01.6034892	276092.5093503454	473868.776752579	3525.0682917349384	3394.714213108754	3232.22192485372	3237.570195705894	162.539465453505	137.44477033578606
220	242	178560	-226401.1413	1951457.3172050766	39.4853124440212	-01.6011522	276293.5751157162	473864.689752565	3527.07627209384	3393.711209325141	3234.6754036069633	3261.28625479319	137.8142954587017	137.8142954587017
221	242	178561	-225741.1413	1951457.3172050766	39.48532786881131	-01.5988151	276494.6405901351	473860.09087816	3529.082538142747	3391.4445167450995	3236.630324285926	3261.678303073478	154.81428251650686	128.7652136747247
222	242	178562	-225081.1413	1951457.3172050766	39.4853432808587	-01.5964781	276695.7050821326	473856.513	3531.0902328125626	3393.731906215256	3238.1392813919315	3261.32936529941	151.6240372659941	128.373302033892
223	242	178563	-224421.1413	1951457.3172050766	39.4853586216188	-01.5941411	276896.77108528736	473852.46061292	3531.487793	3388.06939801093	3236.16208844231	3261.763205199342	148.9081891733601	126.306192936056
224	242	178564	-223761.1413	1951457.3172050766	39.48537391121264	-01.5918041	277097.6359685697	473848.33802216	3532.5917525154395	3386.439845255236	3237.6463465367538	3253.368406304445	126.1459160492516	124.6436632023025
225	242	178565	-223101.1413	1951457.3172050766	39.4853892381859	-01.5894585	277298.2641621097	473844.2519900167	3533.748296836256	3384.1827611768717	3237.9106191296065	3251.1334240526372	124.524219832468	124.524219832468
226	242	178566	-222441.1413	1951457.3172050766	39.485405413679094	-01.5871301	277499.955763369	473840.165237372	3532.8522110413129	3382.9275137905754	3240.43490242657	3261.35010624057	124.0454132978957	121.57721216651862
227	242	178567	-221781.1413	1951457.3172050766	39.4854197013516	-01.5847931	277701.02302451	473836.10767596	3532.911943542223	3381.1958435414185	3240.2532993768828	3257.502353585473	124.942541378857	123.62950286782123
228	242	178568	-221121.1413	1951457.3172050766	39.4854348551832	-01.5824561	277902.093306118	473831.954275373	3525.66518835867	3379.4547660473268	3239.70305586556	3248.1171402155915	138.7510710187707	131.373625817353
229	242	178569	-220461.1413	1951457.3172050766	39.48544965875737	-01.580119	278103.157096238	473827.90639128	3526.04108421803	3394.75304276936	3239.304727	3242.4219145737	138.7510710187707	131.373625817353
230	242	178570	-219801.1413	1951457.3172050766	39.48546501685227	-01.577782	278304.220653414	473823.820507602	3523.55569600139	3384.94926966685	3238.599464929672	3242.312666933706	137.3485646399632	123.733625817353
231	242	178571	-219141.1413	1951457.3172050766	39.48548032982767	-01.575445	278505.2641621097	473819.73486182	3525.1865726381458	3382.9106191296065	3242.312666933706	3251.1334240526372	124.0454132978957	121.57721216651862
232	242	178572	-218481.1413	1951457.3172050766	39.4854957070948	-01.573108	278706.3471487957	473815.649414988	3527.07627209384	3381.1958435414185	3240.2532993768828	3257.502353585473	124.942541378857	123.62950286782123
233	242	178573	-217821.1413	1951457.3172050766	39.48550990202176	-01.570771	278907.01063840	473811.564179501	3523.514350254784	3370.631187932466	3237.34157243559	3260.68006041732	137.2895059868762	104.02127352060187
234	242	178574	-217161.1413	1951457.3172050766	39.48552477778975	-01.5684339	279108.4727604999	473807.479	3527.9885147196555	3368.6412367074	3237.3143690571105	3276.320321639403	151.3715753099598	92.5286072914747
235	242	178575	-216501.1413	1951457.3172050766	39.48553963016349	-01.5660989	279309.5324001816	473803.394	3527.430558311027	3367.2539026273694	3237.753925048905	3293.442250373913	129.301665578465	73.6133758997807
236	242	178576	-215841.1413	1951457.3172050766	39.48555441739289	-01.5637599	279510.5970272371	473799.309743615	3532.04069800509	3365.260038	3237.798852843243	3283.639628	127.461181291516	61.8204098
237	242	178577	-215181.1413	1951457.3172050766	39.48556915947793	-01.5614229	279711.6595473624	473795.22535032	3526.6501771286164	3363.49845255236	3237.6463465367538	3253.368406304445	126.1459160492516	124.6436632023025
238	242	178578	-214521.1413	1951457.3172050766	39.4855843871859	-01.5591858	279912.317356017	473791.1413	3531.652819619378	3362.985816773145	3234.31364698197	3242.754213027228	124.754213027228	124.754213027228
239	242	178579	-213861.1413	1951457.3172050766	39.48559988021486	-01.5567488	280113.7828171566	473787.057212895	3528.719098236756	3359.84236924314	3238.151842756282	3251.1334240526372	124.0454132978957	123.62950286782123
240	242	178580	-213201.1413	1951457.3172050766	39.485613114866995	-01.5544118	280314.8442823417	473782.973495324	3523.514115046427	3358.03203208024	3233.849512	3251.1334240526372	124.0454132978957	123.62950286782123
241	242	178581	-212541.1413	1951457.3172050766	39.48562767374065	-01.5520748	280515.905651037	473783.889917408	3519.69122728378	3356.22162285063	3231.6480624276846	3230.744183317193	124.5680062432163	153.04316625348134
242	242	178582	-211881.1413	1951457.3172050766	39.48564219273695	-01.5497377	280718.9665320417	473783.74807	3520.141360410328	3354.3954696111155	3229.4031750671516	3250.6548154	128.9429240329631	148.74171515261535
243	242	178583	-211221.1413	1951457.3172050766	39.48565666395532	-01.5474007	280918.0272069217	473780.732488512	3519.7241092556557	3352.5710192556557	3232.68117054835	3237.77274094522	125.698842071193	158.7882451568013
244	242	178584	-210561.1413	1951457.3172050766	39.48567100092917	-01.5450373	281119.08791303	473783.640561515	3518.43952665042	3350.4278030095	3224.395214861579	3240.480112860109	126.347668465107	150.26266744799613
245	242	178585	-209901.1413	1951457.3172050766	39.48568570993327	-01.5426874	281320.565954697	473783.640561515	3517.38469696969	3349.7840342264	3237.48741575888	3242.754213027228	124.754213027228	124.754213027228
246	242	178586	-209241.1413	1951457.3172050766	39.4856998075013	-01.5403896	281521.2808	473783.640561515	3516.870331961174	3347.70172770722	3237.1217299615445	3240.43490242657	127.3739715527743	145.6503233978918
247	242													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHhLogsKrg.ft	SatHBoth.ft
329	242	178669	-154641.1413	951457.3170250766	39.48673230026377	-101.346413	298208.46670530047	3743240.366	376.429870737451	3129.5639417137227	3108.5657323566825	3107.1272651518907	112.43667568183197
330	242	178670	-153801.1413	951457.3170250766	39.48674343812415	-101.344079	298409.500549547	3743146.101430916	372.6424319406721	3214.6178424122252	3107.6544471392726	3106.9071108740575	111.5107133816751
331	242	178671	-153141.1413	951457.3170250766	39.48675324821987	-101.341788	298610.5531617576	3743142.22604471	371.04311083611434	3217.290881633491	3108.6772377949034	3108.4072777494304	111.853167465537948
332	242	178672	-152481.1413	951457.3170250766	39.486763795474964	-101.3394017	298811.5945217012	3743048.172500904	370.376386601034	3216.4186265827383	3104.0027373720027	3104.3081040023897	112.18075020461943
333	242	178673	-151821.1413	951457.3170250766	39.48677420358363	-101.3370466	299012.636683703	3743044.108486482	364.1558518480148	3215.096332221079	3104.801541868347	3103.610120938355	110.294790352731196
334	242	178674	-151161.1413	951457.3170250766	39.48678456545653	-101.3347274	299213.6768478641	3743040.045096688	361.518235080605	3214.0929228561454	3103.8608901513808	3102.3454542	110.1690326714753
335	242	178675	-150501.1413	951457.3170250766	39.48679488	-101.3323393	299414.7014575314	3743339.980619197	358.064713902904	3212.882014705964	3102.70708994832	3102.813025952645	110.2751910813644
336	242	178676	-149841.1413	951457.3170250766	39.486805157029444	-101.330032	299615.7619689127	3743391.91446647	357.795283071	3211.9615679103932	3101.4983436722305	3101.339106962227	110.4533533970276
337	242	178677	-149181.1413	951457.3170250766	39.48681538451264	-101.3277161	299816.803615482	3743387.5541876115	356.525682712504	3210.938757089826	3099.865182290565	3100.80836868444	110.0415723531186
338	242	178678	-148521.1413	951457.3170250766	39.48682556692636	-101.325379	300017.8445398952	3743383.791138679	354.2564371174345	3209.935814158846	3097.9383237657044	3098.554377652106	111.391373888861
339	242	178679	-147861.1413	951457.3170250766	39.48683501454544	-101.3230419	300218.8855	3743379.728	353.013128448007	3208.807496561052	3095.145025610886	3095.173027059016581	113.4839592216022
340	242	178680	-147201.1413	951457.3170250766	39.48684579623607	-101.3207048	300419.9263083626	3743375.66567494	350.787656909216	3208.6651062400604	3092.250038355711	3092.054160038804	115.61506784834872
341	242	178681	-146541.1413	951457.3170250766	39.486855864170645	-101.3183677	300620.9688998583	3743371.603321268	338.073495630565	3206.379755186881	3091.3547957218498	3091.447040898015	115.0249589868312
342	242	178682	-145881.1413	951457.3170250766	39.48686549584616	-101.3160306	300822.0724050566	3743367.541096327	324.861453235673	3204.64472336573	3091.6645419139772	3091.27411737917	112.414177036197
343	242	178683	-145221.1413	951457.3170250766	39.48687591595958	-101.3136935	301023.0749359626	3743361.05963296	318.4580472914727	3202.88913039238	3091.861403336757	3093.47414528905	112.417770534807
344	242	178684	-144561.1413	951457.3170250766	39.48688513003365	-101.3113564	301224.087498582	3743359.417280818	313.86227	3201.145719816257	3091.76278973856	3093.354871814210	109.3820084266971
345	242	178685	-143901.1413	951457.3170250766	39.4868955794402514	-101.3090193	301425.1273084724	3743355.35570792	308.278407405286	3199.422323079566	3091.361911981624	3092.09508848827	106.0604109832668
346	242	178686	-143241.1413	951457.3170250766	39.486905400647044	-101.3068822	301626.169235969	3743351.294347807	302.68585692268	3197.4271780153384	3090.7262891709406	3092.935454	106.4267919254837
347	242	178687	-142581.1413	951457.3170250766	39.486915176694026	-101.3043451	301827.206344299	3743347.23197654	300.591317568306	3196.054882058687	3089.76883050283	3092.752644771	106.259043553357
348	242	178688	-141921.1413	951457.3170250766	39.486924607600326	-101.302079	302028.2450577351	3743343.172528321	300.803399772289	3194.395175640294	3088.958853294542	3088.854547479012	105.678232458414
349	242	178689	-141261.1413	951457.3170250766	39.48693458335966	-101.2996708	302229.23846	3743331.11529808	300.184880375252	3192.7712253493673	3087.164049351661	3087.063817820415	106.7071599770647
350	242	178690	-140601.1413	951457.3170250766	39.4869442397204	-101.297337	302420.3244164595	3743335.015012107	316.361361780225	3191.7122839093016	3087.16602129216	3084.185339393032	105.3954816715758
351	242	178691	-139981.1413	951457.3170250766	39.48701045414114	-101.2946141	302544.5469418309	3743327.22584791	328.19202788239	3171.387405	3085.626741332277	3085.4532102964684	105.4532102964684
352	242	178692	-139281.1413	951457.3170250766	39.48696338	-101.2926595	302832.4005379752	3743326.930090996	322.800544271172	3188.05024791434	3082.1048208624234	3081.050289861096	105.9454238549114
353	242	178693	-138621.1413	951457.3170250766	39.48697284826296	-101.2899738	303033.43879618536	3743320.707737731	324.134699	3186.532991786612	3080.082218415413	3078.15411234615	108.399573768315031
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359	242	178699	-134661.1413	951457.3170250766	39.48702896765854	-101.276297	304249.6642990373	3743298.516	330.275583967042	3177.984033003067	3073.937188864045	3076.7350010016293	104.730471344362122
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369	242	178709	-128061.1413	951457.3170250766	39.4871188765379	-101.2529285	306250.028154471	3743257.941917833	327.9268948005567	3164.98707153583	3070.31006846698	3064.028120310942	103.3932027165426
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372	242	178712	-126081.1413	951457.3170250766	39.4871450521778	-101.2459171	306853.1206110503	3743245.77294151	330.732932953045	3161.14911195947	3080.082218415413	3078.15411234615	108.399573768315031
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376	242	178716	-123441.1413	951457.3170250766	39.48717904324369	-101.2365868	307657.26597516384	3743229.551571616	32				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothnKrg.f	SatthLogsKrg.f	SatthBothn.f	
435	242	178795	-71301.14133	951457.3170250766	36.4877055203016	-101.051934	323538.36371278693	4732909.668207111	3020.205857174781	30.1339614682548	2971.516405989424	2976.104702982451	61.62320899312407	57.0349047409717
436	242	178796	-70641.14133	951457.3170250766	36.48771016933495	-101.049958	323479.3831689766	4729505.5239694575	3084.697175900207	30.16543254781777	2973.6897362161437	2975.2230413844088	57.5696631674071	56.431284039770955
437	242	178797	-69861.14133	951457.3170250766	36.48771481676282	-101.047497	323490.4200733114	472901.781981141	3021.48150642883	30.2148150642883	2974.3869182011745	2976.78452383007	58.76977452383007	55.76977452383007
438	242	178798	-69321.14133	951457.3170250766	36.48771968114145	-101.044225	323411.414559972	472877.5615183957	3028.769166042585	30.287.769166042585	2971.111274523486	2975.9800125423939	55.446562012423939	55.446562012423939
439	242	178799	-68661.14133	951457.3170250766	36.4877240091482	-101.042583	323432.4400671645	472883.771	3027.248577785194	2968.8464741173916	2972.1114672404173916	2974.0421036678075	55.3171105807715	55.3171105807715
440	242	178800	-68001.14133	951457.3170250766	36.48772907526413	-101.0402482	323453.4593771674	472889.679216146	3068.931215128399	30.25.79519605046	2966.5363749378666	2969.7386127572653	54.5882021297918	56.05651718
441	242	178801	-67341.14133	951457.3170250766	36.48773304464915	-101.037911	323444.4777961367	472885.640248108	3067.614858565468	30.2438800262019	2963.9284164198256	2967.52320666509	54.5882021297918	55.3171105807715
442	242	178802	-66681.14133	951457.3170250766	36.4877382851721	-101.0355738	323468.494054472914	472881.605009975	3068.28780457407	30.22.9104117382405	2960.740111566293	2965.1806672892502	62.170302216112304	57.7297353093024
443	242	178803	-66021.14133	951457.3170250766	36.48774282740282	-101.0332267	323485.51466178684	472877.56883417255	3068.1427615236336	30.22.9104117382405	2960.740111566293	2965.1806672892502	62.170302216112304	57.7297353093024
444	242	178804	-65361.14133	951457.3170250766	36.48774722117119	-101.030895	323537.53274890344	472793.532	3067.17610382996	30.20.90343002581	2963.9284164198256	2967.52320666509	54.5882021297918	55.3171105807715
445	242	178805	-64701.14133	951457.3170250766	36.48775176978277	-101.0285624	323558.55005669615	472869.45474871	3068.2101852294363	30.18.648725106792	2949.801794904486	2962.362822797347	68.285865122367	68.285865122367
446	242	178806	-64041.14133	951457.3170250766	36.487756172340825	-101.0262252	323579.5846126845	472865.459356244	3069.244720759757	30.15.2452655434	2949.801794904486	2962.362822797347	68.285865122367	68.285865122367
447	242	178807	-63381.14133	951457.3170250766	36.48776053155036	-101.023888	323590.588897728	472861.4324474795	3068.6662467115	30.15.84716103212	2949.801794904486	2962.362822797347	68.285865122367	68.285865122367
448	242	178808	-62721.14133	951457.3170250766	36.4877648471128	-101.0215509	323615.613072653	472857.38748561	3067.478047206252	30.14.4533512641287	2949.801794904486	2962.362822797347	68.285865122367	68.285865122367
449	242	178809	-62061.14133	951457.3170250766	36.48776911272361	-101.0192137	323632.620353707	472853.2529481	3064.288873	30.13.663036953138	2948.95502583024	2963.1382331196	64.1084011122991	64.1084011122991
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451	242	178811	-60741.14133	951457.3170250766	36.48777751330251	-101.0145394	323675.6546042336	472845.281910815	3064.31528649643	30.10.260578424504	2947.8836471901473	2945.779430591625	62.4068912349314	62.4068912349314
452	242	178812	-60081.14133	951457.3170250766	36.4877815869056	-101.0122022	323695.6173354084	472841.247	3007.935035994573	30.08.90119746546	2946.586349078535	2945.005108353957	62.31434838711409	62.31434838711409
453	242	178813	-59421.14133	951457.3170250766	36.48778532386984	-101.009865	323716.6878801275	472837.21204113	3077.554420542315	30.07.508879963711	2944.8142516810326	2942.859614849028	62.6942628267842	62.6942628267842
454	242	178814	-58761.14133	951457.3170250766	36.48778975556206	-101.0075279	323737.704922558	472833.177641414	3084.174546102405	30.06.113246933304	2942.826947166642	2942.826947166642	65.864118385402	65.864118385402
455	242	178815	-58101.14133	951457.3170250766	36.48779372769845	-101.0051907	323758.7200183497	472829.145371206	3093.02017994737	30.04.733624710737	2940.521243599189	2939.492367	64.19228412055463	64.19228412055463
456	242	178816	-57441.14133	951457.3170250766	36.48779772469495	-101.002835	323779.7365764816	472825.11	3104.61805740263	30.03.30938715489	2938.0231698984916	2937.68249582227	70.21945681036768	70.21945681036768
457	242	178817	-56781.14133	951457.3170250766	36.4878017417234	-101.000461	323799.758467524	472821.528000182	3116.813989146153	30.02.889114578474	2936.0548211886627	2935.78890903017	72.8767117206387	72.8767117206387
458	242	178818	-56121.14133	951457.3170250766	36.4878054314705	-100.9981792	323816.7682	472817.02089921	3127.02489672108	30.01.4015041152385	2934.4234816104754	2930.875456271505	67.502752003207	67.502752003207
459	242	178819	-55461.14133	951457.3170250766	36.4878093067311	-100.995842	323832.787452486	472813.82288081135	3121.618627262006	30.09.05315357186	2932.186920171413	2929.633025476814	66.8663951872294	66.8663951872294
460	242	178820	-54801.14133	951457.3170250766	36.48781308	-100.9935048	323853.7913354013	472808.975726734	3125.4594286645	29.97.61456098618	2930.324442429677	2924.851367261093	67.2321167435038	67.2321167435038
461	242	178821	-54141.14133	951457.3170250766	36.48781680279195	-100.9911677	323876.8143551091	472803.94275093	3130.569977718087	29.96.163325443463	2928.974130415777	2921.260827466785	74.90245496774	74.90245496774
462	242	178822	-53481.14133	951457.3170250766	36.48782048382956	-100.9888305	323895.8294	472800.909931873	3129.5456492766734	29.94.6990627017058	2927.327253011224	2927.327253011224	74.90245496774	74.90245496774
463	242	178823	-52821.14133	951457.3170250766	36.48782412429524	-100.986483	323916.84482081	472798.77411003	3128.615406268174	29.93.2215406268174	2926.5341181869207	2926.5341181869207	74.90245496774	74.90245496774
464	242	178824	-52161.14133	951457.3170250766	36.4878279177318	-100.984152	323937.859020037	472796.598020037	3127.924580274398	29.92.8512637943	2925.103505934493	2925.103505934493	74.90245496774	74.90245496774
465	242	178825	-51501.14133	951457.3170250766	36.48783126	-100.981819	323958.875786925	472788.812065778	3126.35460056101	29.90.22798366379	2923.575837700947	2923.575837700947	74.90245496774	74.90245496774
466	242	178826	-50841.14133	951457.3170250766	36.48783476	-100.9794818	323979.87867965807	472784.7811042117	3127.808159595584	29.88.6948491171	2922.664082218008	2913.304386332856	60.634720892014	60.634720892014
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469	242	178829	-48861.14133	951457.3170250766	36.48784489175559	-100.9724703	324002.9304234048	472772.8865337	3132.214295045555	29.83.9913695040163	2920.520481567144	2910.545098932276	60.940073640198	60.940073640198
470	242	178830	-48201.14133	951457.3170250766	36.48784831154589	-100.970131	324013.9430770181	472774.654472841	3134.045741062749	29.82.37876791256	2919.32707659497	2909.356178491638	61.8500310118638	61.8500310118638
471	242	178831	-47541.14133	951457.3170250766	36.48785158632436	-100.967796	324027.9674342625	472764.62525858	3136.79425143068	29.80.725929737592	2918.7035545631306	2908.541517078127	72.18702508997	72.18702508997
472	242	178832	-46881.14133	951457.3170250766	36.487854815980235	-100.965458	324039.7063314456	472760.59302136	3128.64532136334	29.79.056636457409	2917.72521942361	2909.1983972266307	61.33148150479	61.33148150479
473	242	178833	-46221.14133	951457.3170250766	36.48785800042426	-100.9631216	324051.9784067570	472756.56355425	3132.433988541803	29.77.3541683191	2916.5244942279833	2909.480550794335	60.8292260320776	60.8292260320776
474	242	178834	-45561.14133	951457.3170250766	36.48786113971956	-100.9607485	324071.9713771452	472753.533206361	3129.22345574728	29.75.6211735136076	2915.1591202651953	2908.45858543625	60.46025325	60.46025325
475	242	178835	-44901.14133	951457.3170250766	36.487864732386604	-100.9584473	324083.9100438734	472748.50317029	3116.77825375797	29.73.858660425848	2912.946592456074	2906.43602646407	60.90986016841346	60.90986016841346
476	242	178836	-44241.14133	951457.3170250766	36.4878672863873	-100.9561101	324098.7628676128	472744.473434352	3112.60079712727	29.71.6775057961	2910.74718632544	2905.77884946029	61.3095241970659	61.3095241970659
477	242	178837	-43581.14133	951457.3170250766	36.48787028671271	-100.953781	324109.815890256	472740.428172841	3108.49545421917	29.69.88545421917	2909.48058543625	2908.45858543625	61.8500310118638	61.8500310118638
478	242	178838	-42921.14133	951457.3170250766	36.48787345142885	-100.9514358	324122.04778004036	472736.414319409	3105.26451085104	29.68.362507116024	2908.754596849887	2905.2560949372	62.7823135421708	62.7823135421708
479	242	178839	-42261.14133	951457.3170250766	36.4878761589642									

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEvLogskrg.f	BRIEvBothkrg.f	SatThLoG.f	SatThBoth.f
581	242	178921	11738.8586730351	951457.3170250766	-38.48796143	-100.75745	348865.5290234032	4732402.70325954	2363.1646672123564	2388.224422282044	2769.921981237397	2770.4811402634263	38.30226104464691	67.8061021861782
582	242	178922	12518.8586730351	951457.3170250766	-38.487965045967	-100.755129	349066.5286707747	4732398.69149437	2965.51568029571	2836.6443079578181	2768.665176636751	2769.154490666796	67.87913132	67.48945729
583	242	178923	131738.8586730351	951457.3170250766	-38.4879671568917	-100.752752	349283.5277618917	4732394.678471798	2966.227668761086	2835.9643870037234	2768.636914268752	2769.154490666796	68.0753017	67.5671484
584	242	178924	13838.8586730351	951457.3170250766	-38.4879675159047	-100.7504385	349468.5268477347	4732396.3087217895	2965.300387217895	2834.37961794144	2765.048923696205	2769.154490666796	68.2782935788	67.64764889900261
585	242	178925	14498.8586730351	951457.3170250766	-38.48796782233348	-100.7481013	349669.5268311271	4732396.652753062	2964.3032076540785	2831.8838772437545	2762.8720723684515	2762.34717486804	68.49130487530287	69.53613005717398
586	242	178926	15158.8586730351	951457.3170250766	-38.487967802828	-100.7457462	349870.5246691714	4732396.642650973	2963.2907821185645	2760.326361177868	2759.329192	69.647466770772	70.9615879306454	
587	242	178927	15818.8586730351	951457.3170250766	-38.487967843734	-100.743427	350071.5232607055	4732397.634869717	2962.81905242355	2828.694911080674	2757.4985275625413	2756.336256612568	71.1963832645163	72.5858141844073
588	242	178928	16478.8586730351	951457.3170250766	-38.4879644636971	-100.7410698	350272.52259248004	473273.64889399	2962.493985	2827.09630640082	2754.214887723159	2754.388291692303	72.125814846557	
589	242	178929	17138.8586730351	951457.3170250766	-38.4879636381726	-100.7387526	350473.5204	473273.641819854	2962.168346719364	2826.484178164	2752.428353202715	2752.428353202715	72.428353202715	73.396781646633
590	242	178930	17798.8586730351	951457.3170250766	-38.48795229881587	-100.7384154	350574.5167	473236.604358882	2961.842713930783	2823.679575226074	2756.857959001108	2757.1813820217079	66.6578352042093	
591	242	178931	18458.8586730351	951457.3170250766	-38.4879510686562	-100.7340783	350675.5167682515	4732362.594068795	2961.792915978578	2822.259871812535	2758.8871342002376	2760.116811362109	63.3272752292794	62.1403865145661
592	242	178932	19118.8586730351	951457.3170250766	-38.4879473736622	-100.7317411	351076.5147565118	4732358.58463667	2962.016508971624	2820.634090771624	2757.717560435967	2759.59412	62.91784682320037	61.04128888422546
593	242	178933	19778.8586730351	951457.3170250766	-38.4879484291799	-100.7294039	351277.512582806	4732358.519512939	2962.249955219306	2820.08056303454	2755.273049251107	2757.668057325425	63.3260739274055	61.3380285792475
594	242	178934	20438.8586730351	951457.3170250766	-38.48794076732083	-100.7270667	351478.510265537	4732350.56830836	2962.014733983796	2817.321117309574	2752.518669084671	2755.630672321256	64.3642464262657	61.7414249893715
595	242	178935	21098.8586730351	951457.3170250766	-38.487945646571	-100.7242796	351679.5170604636	4732346.55869693	2961.91329663063	2815.33358514857	2749.608136629903	2751.786313	66.12521978558061	63.94704257730382
596	242	178936	21758.8586730351	951457.3170250766	-38.4879411906799	-100.7228314	351880.505204982	4732342.45778564	2960.571786580327	2814.08482370449	2746.748023070045	2748.941771562702	67.3386540344466	65.1467108075262
597	242	178937	22418.8586730351	951457.3170250766	-38.48794266963758	-100.7200552	352081.5024532459	4732338.53089179	2959.2302745156016	2812.437765045335	2743.970828128466	2745.025109237197	68.4668232668691	67.4096624083857
598	242	178938	23078.8586730351	951457.3170250766	-38.4879411344284	-100.717718	352282.4996311664	4732335.53585813	2957.887862	2810.7822451575895	2741.20023146689	2740.85589923784	68.58143190300586	69.6965254521105
599	242	178939	23738.8586730351	951457.3170250766	-38.487939512101015	-100.7153808	352483.496630391	4732330.52230667	2956.814073452526	2809.121743244996	2738.715743005774	2736.755964458307	70.4060002322027	72.3657878605931
600	242	178940	24398.8586730351	951457.3170250766	-38.48793785661028	-100.7130437	352684.493530263	4732326.51423243	2956.118273951846	2807.456017331846	2736.3300845753067	2736.3300845753067	71.1253277435163	73.72470313100802
601	242	178941	25058.8586730351	951457.3170250766	-38.4879361379067	-100.7107065	352885.49003747676	4732322.50683984	2955.38512797295	2805.784067253401	2734.146349	2732.3524809121823	71.6382580763125	73.43217842118935
602	242	178942	25718.8586730351	951457.3170250766	-38.48793443717205	-100.708393	353086.4895778625	4732318.48711316	2954.6519765817	2804.106822	2732.1302799888	2732.09672691844	71.75654449	72.0105890173159
603	242	178943	26378.8586730351	951457.3170250766	-38.48793271502824	-100.706449	353289.423416871	4732314.8138923	2953.74549142277	2803.25150772396	2732.160443688154	2732.160443688154	72.0178474688514	72.61947788178219
604	242	178944	27038.8586730351	951457.3170250766	-38.48793082815223	-100.703695	353488.479233598	4732310.48407991	2948.139517755087	2800.7430201491871	2728.637424570193	2735.7425340470087	72.17142858565	65.0004854963903
605	242	178945	27698.8586730351	951457.3170250766	-38.4879288552984	-100.7013578	353689.474836896	4732306.47699793	2945.7063190278823	2799.054216858706	2726.8817890869072	2727.000691958877	72.7277476	65.7072714882293
606	242	178946	28358.8586730351	951457.3170250766	-38.4879270385387	-100.6990206	353890.4713228804	4732302.470176204	2942.2748625626	2795.6594352066	2725.746988942986	2731.033738319845	71.6125794509002	65.54619110232214
607	242	178947	29018.8586730351	951457.3170250766	-38.48792570060567	-100.696834	354091.467156015	4732298.46364356	2939.93604239303	2795.658403442716	2724.700395026396	2728.45193025876	70.9579782	67.2064748692274
608	242	178948	29678.8586730351	951457.3170250766	-38.48792307	-100.694363	354292.4624836286	4732294.457160801	2938.6841428990238	2793.94916041003	2732.739363342194	2732.1586907644764	70.11552408578363	70.7904964526563
609	242	178949	30338.8586730351	951457.3170250766	-38.4879213158282	-100.692091	354493.468598704	4732290.458907504	2937.624915587448	2792.23150772396	2732.160443688154	2732.160443688154	71.67180914371961	71.67180914371961
610	242	178950	30998.8586730351	951457.3170250766	-38.48791891751303	-100.689679	354694.464113375	4732286.446072044	2936.1804202158847	2790.50317997405	2732.00700713822	2732.00700713822	72.63661933941	68.1963095945296
611	242	178951	31658.8586730351	951457.3170250766	-38.487916734846	-100.6873347	354895.4490820042	4732282.439	2935.7646559505	2788.770361581195	2732.041868267987	2732.041868267987	72.61284931362077	64.16848473368726
612	242	178952	32318.8586730351	951457.3170250766	-38.48791458610946	-100.684976	355096.4442134541	4732278.43362189	2934.886598731322	2787.602422219417	2732.0455659637	2725.404574349182	61.6210716562447	61.6210716562447
613	242	178953	32978.8586730351	951457.3170250766	-38.4879123682807	-100.682604	355297.43902470244	4732274.42821759	2933.607075086697	2785.27343533848	2732.9907648285906	2727.5654964749586	62.2826705002541	58.7773908888939
614	242	178954	33638.8586730351	951457.3170250766	-38.48791071405315	-100.6803232	355498.4405365597	4732270.443111965	2932.02819360207	2783.51018102501	2732.746294015006	2727.576191706633	60.36890100577	55.9332635984782
615	242	178955	34298.8586730351	951457.3170250766	-38.4879077031225	-100.677896	355699.428768614	4732268.48176143	2930.87778807706	2781.73899024587	2732.7408982173493	2732.7408982173493	67.5980676280767	53.5607248684123
616	242	178956	34958.8586730351	951457.3170250766	-38.48790531502824	-100.675449	355900.423416871	4732264.8138923	2929.75454142277	2780.25150772396	2732.160443688154	2732.160443688154	72.61947788178219	52.61947788178219
617	242	178957	35618.8586730351	951457.3170250766	-38.48790296746822	-100.673317	356101.417577583	4732258.409	2928.4394724764	2778.165238276516	2732.07303719807	2732.07303719807	72.61947788178219	53.1870296217203
618	242	178958	36278.8586730351	951457.3170250766	-38.4879008031574	-100.6709745	356302.412071083	4732254.04597322	2922.119480526763	2776.36012162704	2731.757915130105	2730.7437542521196	57.6807101325994	51.6229701105804
619	242	178959	36938.8586730351	951457.3170250766	-38.487898309621	-100.6686733	356503.40622783004	4732250.4	2918.73860714485	2774.560028424834	2731.672384168457	2732.3974071257483	51.6229701105804	51.6229701105804
620	242	178960	37598.8586730351	951457.3170250766	-38.487895452786	-100.666302	356704.400246205	4732246.3968756	2916.31226271901	2772.74086462635	2731.58287056871	2732.396405047746	51.6229701105804	49.884254686019
621	242	178961	38258.8586730351	951457.3170250766	-38.4878928591066	-100.663963	356905.3941264206	4732242.38995495	2913.88464711318	2770.92664302591	2731.073822242561	2731.073822242561	59.5028772703716	45.3532207838381
622	242	178962	38918.8586730351	951457.3170250766	-38.487890201466	-100.6616238	357106.378698035	4732238.39411955	2911.406647097348	2769.06457097348	2730.6313877918	2730.6313877918	60.4064337	44.76654174833264
623	242	178963	39578.8586730351	951457.3170250766	-38.48788765229736	-100.659381	357307.346219358	4732234.3708552	2909.75454142277	2767.23150772396	2732.160443688154	2732.160443688154	72.61947788178219	43.5187083157223
624	242	178964	40238.8586730351	951457.3170250766	-38.4878850116612	-100.656915	357508.3704801578	4732230.38307421	2902.368573220497	2765.4037265837	2730.20398697788	2730.20398697788	68	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVEKgr.f	BRIEVBokth.f	Asa59H3.f	SatB10th.f
70	242	19047	95016.85867307335	951457.3170250766	39.48750082	-100.4629669	741910.373333333	9471888.54533791	277.9279230848717	2617.8929195787155	2552.4336302408427	2556.7217107530864	56.45931637387275	61.17120882662904
708	242	19048	95678.85867307335	951457.3170250766	39.48742429924041	-100.4606258	74391.3563491859	9471888.86950284	2739.4976933593667	2616.293176374373	2550.971086112584	2553.7467347342487	66.32208518518324	62.54860235062065
709	242	19049	96388.85867307335	951457.3170250766	39.4874677155449	-100.4582896	74499.3387514621	9471890.8189	2743.038192287981	2614.7145454227981	2549.436963968454	2551.417184129642	65.35489146147483	63.2973012767919
710	242	19050	96998.85867307335	951457.3170250766	39.48748111872134	-100.4550958	74574.8312818974	9471896.89404094	2744.578438993556	2613.163551526968	2548.9190011376522	2548.295428979561	66.2204538959991	64.8677213128111
711	242	19051	97658.85867307335	951457.3170250766	39.4874744607394	-100.4536183	74984.306	9471882.913	2722.341094166166	2611.6460750926512	2543.0700995368875	2543.754162753973	67.257955673673	67.9621943741229
712	242	19052	98318.85867307335	951457.3170250766	39.4874677561013	-100.4512812	75195.2857358922	9471878.92683626	2720.164916194361	2610.164916194361	2536.90380238144	2537.2022247244668	73.5279350545707	72.6629142884771
713	242	19053	98978.85867307335	951457.3170250766	39.487461009332485	-100.448994	75396.36727388413	9471870.94	2728.3127196904215	2608.7194757755687	2528.9424016750184	2528.738098269249	79.77701035033984	79.9813730831984
714	242	19054	99638.85867307335	951457.3170250766	39.4874521590685	-100.446409	75597.24971281434	9471874.96	2731.298323952549	2607.30597048876	2531.41664996306	2527.91378446065	85.9013057349545	86.5325917848049
715	242	19055	100298.85867307335	951457.3170250766	39.487447733332	-100.4445698	75798.2312528866	9471866.978	2735.32184	2605.9187280733856	2516.428994921582	2516.617033311588	89.48789589769362	89.8468416787954
716	242	19056	100958.85867307335	951457.3170250766	39.4874404530817	-100.4415326	75999.2134214684	9471862.91758364	2742.472230360054	2604.5471625167	2512.985333814317	2512.985333814317	91.6823037023639	91.6823037023639
717	242	19057	101618.85867307335	951457.3170250766	39.48743556473858	-100.4395955	76200.1948871886	9471859.008404253	2725.5962821221992	2603.188990275656	2508.5009815032783	2508.6041981462626	94.58484112837342	94.58484112837342
718	242	19058	102278.85867307335	951457.3170250766	39.48742659072106	-100.4375283	76416.1763419204	9471855.025	2722.7184093764	2601.8349840211617	2502.7248263136677	2502.341356806841	99.5601571	99.4936271
719	242	19059	102938.85867307335	951457.3170250766	39.48741957155558	-100.4349212	76602.157	9471851.001	2721.480655355084	2600.482336168266	2494.5251389259247	2494.265647233982	105.9519724234141	105.261169322843
720	242	19060	103598.85867307335	951457.3170250766	39.4874125024215	-100.432484	76803.13889749004	9471847.051487765	2721.88322913621	2599.127661149426	2487.991642381504	2487.991642381504	111.380178627546	111.7241663
721	242	19061	104258.85867307335	951457.3170250766	39.487405387190828	-100.4302569	77040.11999871954	9471843.0526432	2722.2858012961397	2597.76884331841	2484.8917469678414	2484.127189034037	112.8770935633748	113.5969425008419
722	242	19062	104918.85867307335	951457.3170250766	39.48739824317162	-100.427997	77205.100825376	9471839.02589494	2722.6883736764544	2596.40492114048	2484.056923442747	2483.347828	112.34498977063004	113.0566611831448
723	242	19063	105578.85867307335	951457.3170250766	39.48739140341452	-100.4257526	77406.0618491415	9471835.11	2723.963783740236	2595.03738744664	2483.514302174487	2482.704314663913	111.519436001883	112.2933693027829
724	242	19064	106238.85867307335	951457.3170250766	39.48738078509555	-100.4232355	77607.0625987353	9471831.1275994	2726.112031485264	2593.654729473745	2481.338149	2480.295568105697	112.3165602	113.3591613680464
725	242	19065	106898.85867307335	951457.3170250766	39.48737650845673	-100.4208983	77808.04323152646	9471827.14806551	2728.2602792382808	2592.264356779006	2481.5891060554132	2480.5489527027683	110.67519672359276	111.71484074627367
726	242	19066	107558.85867307335	951457.3170250766	39.487369173256084	-100.4185612	78009.023747175175	9471823.13691085	2730.0624295633092	2584.624295633092	2484.76309643022	2484.117042	110.67519672359276	111.71484074627367
727	242	19067	108218.85867307335	951457.3170250766	39.4873179	-100.416224	78210.0041475137	9471819.182322395	2728.197195285213	2589.4895925400582	2486.9603266212492	2486.505606621249	102.5886195908903	102.9430975890431
728	242	19068	108988.85867307335	951457.3170250766	39.48735436471131	-100.4138689	78410.9844311184	9471815.2089235519	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
729	242	19069	109688.85867307335	951457.3170250766	39.48731629967872	-100.411624	78610.9844311184	9471815.2089235519	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
730	242	19070	110388.85867307335	951457.3170250766	39.487331820035568	-100.4092126	78812.3440550928	9471807.239	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
731	242	19071	110858.85867307335	951457.3170250766	39.48733830053568	-100.4068755	79013.9245866673	9471803.257847398	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
732	242	19072	111578.85867307335	951457.3170250766	39.48732421394828	-100.4045383	79214.9040777526	9471799.27247309	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
733	242	19073	112118.85867307335	951457.3170250766	39.48731656271311	-100.4022012	79415.8841135206	9471795.2965473	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
734	242	19074	112838.85867307335	951457.3170250766	39.4873086633024	-100.399841	79616.8370430863	9471791.31666998	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
735	242	19075	113498.85867307335	951457.3170250766	39.48730172499636	-100.3975269	79817.8431891366	9471787.36693159	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
736	242	19076	114158.85867307335	951457.3170250766	39.487319312137	-100.3952816	80018.8225411255	9471783.19670204	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
737	242	19077	114818.85867307335	951457.3170250766	39.48727650529386	-100.3928527	80219.8178889854	9471779.37390517	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
738	242	19078	115478.85867307335	951457.3170250766	39.48727769232176	-100.3905155	80420.780922001	9471775.3585156	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
739	242	19079	116138.85867307335	951457.3170250766	39.48726970720047	-100.3881784	80621.759941078	9471771.41858625	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
740	242	19080	116798.85867307335	951457.3170250766	39.487261739931554	-100.3858413	80822.7386444744	9471767.439191798	2727.6274143869	2588.0242323161287	2487.625411425487	2487.505555552035	100.39862090394167	100.66574979095229
1	243	19081	-37094.1431	952117.3170250766	39.48265053930569	-102.1129828	32258.6960104692	947496.35244139	3900.9749472396	3967.45503533369	3616.245647233982	3616.245647233982	72.333033586472	71.48930719089184
2	243	19082	-37029.1431	952117.3170250766	39.48261762429933	-102.11624	32459.8144898505	947492.21964422	3909.5030950012	3614.921067230406	3616.245647233982	3616.245647233982	72.333033586472	71.48930719089184
3	243	19083	-36962.1431	952117.3170250766	39.4827015895656	-102.119087	32668.3307330873	947495.05264368	3901.71354871394	3608.794904108875	3613.685526424368	3613.685526424368	72.333033586472	71.48930719089184
4	243	19084	-36896.1431	952117.3170250766	39.482726850277025	-102.1055904	32862.050696031	947493.95109701	3901.71354871394	3608.794904108875	3613.685526424368	3613.685526424368	72.333033586472	71.48930719089184
5	243	19085	-36830.1431	952117.3170250766	39.48271035560945	-102.1036137	33063.1683876625	947493.95109701	3901.71354871394	3608.794904108875	3613.685526424368	3613.685526424368	72.333033586472	71.48930719089184
6	243	19086	-36764.1431	952117.3170250766	39.48271723570822	-102.1012769	33264.2858393294	947494.68340195	3903.32170102193	3604.837084095337	3609.317979843153	3609.317979843153	72.333033586472	71.48930719089184
7	243	19087	-36698.1431	952117.3170250766	39.48280236071879	-102.0989401	33465.40306667	947491.45878475	3906.5788798163	3606.45038432559	3606.182670528166	3606.182670528166	72.333033586472	71.48930719089184
8	243	19088	-36632.1431	952117.3170250766	39.4828274	-102.0966033	33663.51697117308	947493.7415600398	3902.602121993604	3602.46526352311	3607.141951744679	3607.141951744679	72.333033586472	71.48930719089184
9	243	19089	-36561.1431	952117.3170250766	39.482871910250766	-102.0943297	33869.1389457818	947493.7415600398	3902.602121993604	3602.46526352311	3607.141951744679	3607.141951744679	72.333033586472	71.48930719089184
10	243	19090	-36500.1431	952117.3170250766	39.48287746452974	-102.091927	34068.752423963	947491.505739875	3902.60					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
93	243	179173	-310221.1413	952117.3170250766	39.48479425012766	-101.8979706	70506.5134	4734586.86406808	3758.8120043770414	3555.945493720229	3446.4862341441517	3446.4904202352897	119.4529595760773	119.455168493936
94	243	179174	-305661.1413	952117.3170250766	39.48481544806945	-101.8963327	520561.6085735457	4734582.73945352	3756.008520936081	3562.046095202648	3444.417597393145	3442.592810982714	121.71269421822853	121.71269421822853
95	243	179175	-308801.1413	952117.3170250766	39.48483690810054	-101.8932267	251162.70304784	4734583.53867477	3753.891631589277	3553.23817394708	3442.762351870151	3438.87970194981	124.45894714346989	124.45894714346989
96	243	179176	-302041.1413	952117.3170250766	39.48485770531141	-101.8909568	63583.79577513	4734575.520311789	3752.2819918669315	3562.040280182627	3440.1559712676226	3411.88431093141296	126.10682625064425	126.10682625064425
97	243	179177	-307581.1413	952117.3170250766	39.48487871705094	-101.8886229	251564.8917649646	4734570.40589308	3750.672125180635	3562.07458533309	3437.981199227812	3422.76638010459713	129.0936828217593	129.0936828217593
98	243	179178	-306921.1413	952117.3170250766	39.4848997843001	-101.886226	251765.0857361392	4734566.291855331	3749.062312914338	3559.462758514807	3435.6885001031483	3418.528106666494	130.4366914899734	130.4366914899734
99	243	179179	-306261.1413	952117.3170250766	39.48492076	-101.883949	251967.0794622441	4734562.17794375	3747.540035	3558.187305424496	3433.42082984159	3425.6137717191343	124.76526755829082	124.76526755829082
100	243	179180	-305601.1413	952117.3170250766	39.48494169	-101.8816121	252168.1729428927	4734562.04520551	3745.9373211280185	3556.831228635185	3431.213817965311	3422.1982849477236	125.70934898029739	125.70934898029739
101	243	179181	-304841.1413	952117.3170250766	39.48495268972241	-101.8792753	252369.2667846619	4734553.950792934	3744.496967822278	3557.981628189028	3429.067583982425	3420.362010172825	126.5293863818558	126.5293863818558
102	243	179182	-304281.1413	952117.3170250766	39.48496340553815	-101.8765833	252570.3591691824	4734549.83748292	3742.983984923547	3554.43439894274	3427.051845292975	3417.857998457788	127.2825499130548	127.2825499130548
103	243	179183	-303621.1413	952117.3170250766	39.485004182812906	-101.8746013	252771.45191520842	4734545.724	3742.73662077410817	3553.2126777410817	3424.967810520501	3416.525965858978	128.244672165806	128.244672165806
104	243	179184	-302961.1413	952117.3170250766	39.485024944746705	-101.8722644	252972.54416478926	4734541.611578992	3743.748791720267	3552.08125727684	3423.4488154052406	3415.29423665741	128.55720023244335	128.55720023244335
105	243	179185	-302301.1413	952117.3170250766	39.485045466139504	-101.8699275	253173.6366741186	4734537.498446265	3744.706962891407	3550.812742813434	3421.9639202411427	3414.232263839352	136.71179707099117	136.71179707099117
106	243	179186	-301641.1413	952117.3170250766	39.485063603291323	-101.867905	253374.72868740019	4734533.386231013	3745.731336625347	3549.4824862127603	3420.01494966044	3413.124829823871	136.3513239480696	136.3513239480696
107	243	179187	-300981.1413	952117.3170250766	39.485086913501848	-101.8652536	253595.7204586436	4734529.273411414	3745.275132323484	3549.45100673217	3418.287453061836	3411.321584300053	130.1693567303311	130.1693567303311
108	243	179188	-300321.1413	952117.3170250766	39.48510747947135	-101.8629167	253776.9118026513	4734525.162	3743.2069611374274	3547.27881	3416.48679105594	3410.6478017021394	130.7917877202594	130.7917877202594
109	243	179189	-299661.1413	952117.3170250766	39.48512800299646	-101.8605797	253978.032650303	4734521.05035524	3741.5878952012	3546.10968999186	3414.6456843861074	3409.380607690828	131.46374460677863	131.46374460677863
110	243	179190	-299001.1413	952117.3170250766	39.48514475986776	-101.8584248	254179.09430418749	4734516.93865311	3739.1106176775758	3544.82442833969	3412.743049	3407.87679670337	132.19959360676874	132.19959360676874
111	243	179191	-298341.1413	952117.3170250766	39.48516805635286	-101.8559058	254380.1851003264	4734512.82760992	3737.56752673252	3543.7787954235982	3411.495325068615	3406.1456943024	132.28347191673674	132.28347191673674
112	243	179192	-297681.1413	952117.3170250766	39.48518929193714	-101.853669	254581.2765365506	4734508.716462392	3736.529166952806	3542.618883256061	3409.3586060977304	3404.7766297586748	133.2602771583306	133.2602771583306
113	243	179193	-297021.1413	952117.3170250766	39.48520963200031	-101.851232	254762.36969437884	4734504.60531479	3735.49105668927	3541.461543246327	3407.0125326883615	3403.5508568625453	133.559646397897	133.559646397897
114	243	179194	-296361.1413	952117.3170250766	39.48522952722225	-101.848895	254983.46250370235	4734500.448912454	3734.4534966207784	3540.359295968013	3404.554315420884	3401.781371335814	135.7110646669283	135.7110646669283
115	243	179195	-295701.1413	952117.3170250766	39.485250177028284	-101.8465203	255184.545858633	4734496.348629639	3733.481623167575	3540.146231645824	3401.67589471581	3401.67589471581	137.4721223098979	137.4721223098979
116	243	179196	-295041.1413	952117.3170250766	39.485270382141614	-101.8442211	255395.635472614	4734492.274017335	3731.116808	3537.98028972322	3398.387313475782	3398.4849570414665	139.6008924152424	141.50132458285954
117	243	179197	-294381.1413	952117.3170250766	39.48529305184912	-101.8418842	255586.7248529846	4734486.193299985	3729.238351657675	3536.8222307163365	3394.545138	3394.545138	142.777889238437	142.777889238437
118	243	179198	-293721.1413	952117.3170250766	39.48531066405055	-101.8395472	255787.813860838	4734484.05402636	3727.3989586933097	3535.64705367165	3392.9270793644937	3379.4876760184	142.719743116712	142.719743116712
119	243	179199	-293061.1413	952117.3170250766	39.485330725814945	-101.8372103	255988.9028454996	4734479.9344	3726.000018194859	3534.457366	3392.576469775863	3378.70773037687	141.88008662618358	141.88008662618358
120	243	179200	-292401.1413	952117.3170250766	39.48535075	-101.8348733	256189.9914637504	4734474.83644384	3725.18571917119	3533.2467810228415	3391.8593051360667	3371.4781588674778	141.76047763834503	141.76047763834503
121	243	179201	-291741.1413	952117.3170250766	39.48537072923335	-101.832564	256381.07864104267	4734471.725734668	3724.3119041489864	3532.007401489864	3390.67852652681	3370.483135242897	141.38650135757838	141.38650135757838
122	243	179202	-291081.1413	952117.3170250766	39.48539163971279	-101.8303994	256592.779775338	4734467.471260208	3723.471171260208	3530.72992704092	3389.622129650316	3369.622129650316	141.0289615268633	141.0289615268633
123	243	179203	-290421.1413	952117.3170250766	39.48541055	-101.8278265	256793.25837577	4734463.507913413	3721.902846432258	3529.40426850201	3388.5075674816863	3381.9180668589504	140.697363865325	140.697363865325
124	243	179204	-289761.1413	952117.3170250766	39.4854303576649	-101.8255255	256994.334529297	4734459.39231867	3719.578906677592	3528.024538091884	3387.3779670481126	3391.4205715745624	140.84747185377382	140.84747185377382
125	243	179205	-289101.1413	952117.3170250766	39.48545014343065	-101.8231885	257195.43004474883	4734455.29043023	3717.292345703324	3526.58874753963	3386.45943233297	3382.1897439877207	140.1294065272348	140.1294065272348
126	243	179206	-288441.1413	952117.3170250766	39.48546994752996	-101.8208516	257396.5181	4734451.18776882	3714.98705633709	3525.0977219107936	3385.7581000701614	3380.974372	141.3920019036231	141.3920019036231
127	243	179207	-287781.1413	952117.3170250766	39.48548965653345	-101.818148	257597.60595520457	4734447.074234345	3713.70079396754	3523.56036380345	3385.10025486828	3382.35173088176	141.046011061421723	141.046011061421723
128	243	179208	-287121.1413	952117.3170250766	39.48550329172203	-101.8161777	257798.69132528	473442.967802874	3708.8112717633117	3521.987104584744	3382.078189811295	3382.078189811295	139.071712146789	139.071712146789
129	243	179209	-286461.1413	952117.3170250766	39.48552893716865	-101.8138407	257999.7720269067	4734438.8956544	3705.462516167589	3520.3892956097835	3380.727164576575	3378.47362474941	138.68636314621084	138.68636314621084
130	243	179210	-285801.1413	952117.3170250766	39.4855485100237	-101.8115307	258200.8644725254	4734434.75239183	3702.113745720647	3518.774373598506	3382.67076836831	3379.805746569504	138.361099121972	138.361099121972
131	243	179211	-285141.1413	952117.3170250766	39.48556883773588	-101.8091668	258401.950405551	4734430.36143646	3700.27481532064	3517.1205505486043	3381.6884581547297	3378.298320506298	138.4635968838746	138.4635968838746
132	243	179212	-284481.1413	952117.3170250766	39.48558752030646	-101.8068298	258603.3614689218	4734428.53246353	3699.86458576416	3515.5248548710973	3381.091278464181	3376.828244399713	138.4720666168838	138.4720666168838
133	243	179213	-283821.1413	952117.3170250766	39.4856096773482	-101.8044828	258804.1216487435	4734422.53158917	3699.481702	3513.905835842246	3380.4033119486107	3375.24711349625	138.5022714398625	138.5022714398625
134	243	179214	-283161.1413	952117.3170250766	39.48562650032127	-101.802159	259005.2069121126	4734418.32501419	3698.09484879544	3512.278995601645	3379.1725840516495	3373.600606	138.6193151542673	138.6193151542673
135	243	179215	-282501.1413	952117.3170250766	39.4856477853165374	-101.8000259	259206.2591786224	4734414.291428	3697.179132354	3511.146231645824	3378.0784020504429	3377.48219747123	138.64319189846	138.64319189846
136	243	179216	-281841.1413	952117.3170250766	39.485665	-101.7974819	259407.3757242446	4734410.113	3694.43950674834	3509.0204198038707	3376.021471854199			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kft	BR/ElevLogs.ft	SatHtLogs.kft	SatHtLogs.ft
19	243	179299	-227061.1413	952117.3170250766	36.487109666128755	-011.603592	276966.6054100108	3474070.0652	3118.4559919928195	3234.2505195765816	3231.897134866404	3251.312851921401	3256.353847107758	142.9376658518058
220	243	179300	-226401.1413	952117.3170250766	36.48712520066106	-011.6011721	276297.6509125676	3474065.96382316	3520.9625984711736	3248.611760182908	3234.453086833407	3258.153096980368	3258.153096980368	137.22345051386268
221	243	179301	-225781.1413	952117.3170250766	36.48712520066106	-011.5986351	276468.7362713434	3474061.87830211	3523.4662878414077	3390.859816328162	3236.453041222695	3257.862168417215	3257.862168417215	133.043221516802
222	243	179302	-225081.1413	952117.3170250766	36.487106900442045	-011.596498	276699.8017328205	3474067.7880249285	3525.9679465782025	3389.2847531816383	3238.9068556400213	3259.309754473872	3251.1886675176168	129.4749087707628
223	243	179303	-224421.1413	952117.3170250766	36.48717146499008	-011.5941609	276900.8662554823	3474053.70408334	3526.4750663387447	3387.6000964677417	3239.1044056487453	3259.57275342014	3248.4966038182963	128.02723142601745
224	243	179304	-223761.1413	952117.3170250766	36.4871166794342655	-011.5918238	277101.930015158	3474046.61132368	3524.986718005447	3393.93242402923	3239.913652977526	3260.71854128208	3258.946765417037	125.18466563010224
225	243	179305	-223101.1413	952117.3170250766	36.4872027855006	-011.5894868	277302.9953530326	3474045.526	3523.488398782342	3348.195906738312	3240.371737	3259.7566755099467	3248.82417021427182	124.8321322634715
226	243	179306	-222441.1413	952117.3170250766	36.48721732	-011.5871487	277504.9567799836	3474041.439045339	3522.009962	3382.479618217466	3240.479488767769	3257.837481175197	3247.0012815397758	124.6420081422688
227	243	179307	-221781.1413	952117.3170250766	36.48722511528314	-011.5848136	277705.1258892007	3474037.352342063	3521.40587766213	3380.752700968373	3240.4314001427765	3253.864128616415	3253.864128616415	124.43896897948585
228	243	179308	-221121.1413	952117.3170250766	36.4872476931015	-011.5824756	277906.1873849555	3474032.205815132	3518.6806396275	3379.0156995957825	3239.551447963837	3247.339471193736	3247.339471193736	131.6745782540366
229	243	179309	-220461.1413	952117.3170250766	36.4872653827653	-011.5801385	278107.2580301578	3474029.179317944	3521.9662917004334	3377.20374845064	3239.06157756532	3247.707863377028	3247.707863377028	133.5625114880360
230	243	179310	-219801.1413	952117.3170250766	36.4872778	-011.5778014	278308.3142768843	3474025.093432689	3522.24649434591	3375.515907	3238.07214983496	3243.125664	3247.359198574573	132.390423208999
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232	243	179312	-218481.1413	952117.3170250766	36.487307	-011.5731273	278710.4043155826	3474016.9128197948	3528.217705905201	3371.982166146064	3236.212558793599	3249.7159211231	3251.73035782100756	122.2669945039949
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234	243	179314	-217161.1413	952117.3170250766	36.487337040479734	-011.5684531	279112.5644854634	3474008.751210848	3535.992683641576	3368.423011150562	3235.5517616844427	3263.683697588676	3263.683697588676	124.860325021392
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261	243	179341	-199341.1413	952117.3170250766	36.48772268229369	-011.505618	284541.1766589337	3473897.481381381	3517.468479215331	3319.788178801131	3195.24872715331	3209.225992002023	3265.826694854838	113.574876476078
262	243	179342	-198681.1413	952117.3170250766	36.48773556922818	-011.503045	284742.2723145596	3473894.45057831	3516.4310217662	3317.7358718536	3193.20851776339			

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRiElevLogsKrt	BRiElevBothKrt	SatHtLogsKrt	SatHtBothKrt	
335	243	179426	-143901.1413	952117.3170250766	39.48870842169549	-01.309032	301429.1953942784	373556.050227305	3308.1578996733806	3307.89377694335403	3090.804218422683	3091.7356664969283	107.17341759127206	107.20190296361199
346	243	179426	-143204.1413	952117.3170250766	39.48871824314766	-01.309048	301630.2347879007	373552.5447541309	3303.1500371468602	3307.2593714887416	3090.033775704203	3090.8117706944947	107.22159566932138	106.44766381292412
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348	243	179428	-141921.1413	952117.3170250766	39.48873750677071	-01.302605	302032.3129191714	373544.4212013035	3305.1745490396674	3303.962264596825	3087.6350011823974	3087.6350011823974	106.21524045362107	106.12504545362107
349	243	179429	-141261.1413	952117.3170250766	39.48874743661555	-01.299683	302233.3518028284	373540.36	3308.5268516547517	3302.347852044744	3085.9109472504347	3086.7949282983	106.03690564953975	107.152254099111
350	243	179430	-140601.1413	952117.3170250766	39.48875707747519	-01.297341	302434.3904198422	373536.299571925	3311.8791537370167	3309.765717051849	3084.0862059316405	3085.18213170275596	106.6705111202063	108.2256097625335
351	243	179431	-139941.1413	952117.3170250766	39.48876733718696	-01.295008	302635.42884241854	373532.329037368	3313.9396662169878	3309.1886914477797	3087.199447982293	3088.0404924407	107.3892439585113	108.8392439585113
352	243	179432	-139281.1413	952117.3170250766	39.48877622755004	-01.292678	302836.467703716174	373528.17876891	3314.6993091952133	3309.46826834134	3078.481342525525	3080.3871952979	108.1652861786092	108.8482912736183
353	243	179433	-138621.1413	952117.3170250766	39.48878572918514	-01.290346	303087.5051088771	373526.4647234887	3316.4674545878282	3307.388913874797	3076.07948777858	3076.07948777858	108.74457251984479	110.654976
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357	243	179437	-135981.1413	952117.3170250766	39.48882329934312	-01.280859	303841.6553	373507.8088515988	3313.1471373768995	3308.351539232347	3072.5593145222387	3074.628594449226	107.7922247101097	107.7922247101097
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378	243	179458	-122121.1413	952117.3170250766	39.4890089132776	-01.2319051	308063.3930303636	373422.685151245	3323.509152122507	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
379	243	179459	-121461.1413	952117.3170250766	39.4890170288331	-01.2295679	308264.4271035294	373418.630788106	3322.024894344022	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
380	243	179460	-120801.1413	952117.3170250766	39.48902594043865	-01.227237	308465.459126631	373414.57637452	3320.38546222383	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
381	243	179461	-120141.1413	952117.3170250766	39.48903505548406	-01.2248935	308666.492225106	373410.725235535	3318.788245210721	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
382	243	179462	-119481.1413	952117.3170250766	39.48904174665789	-01.222553	308867.52145407703	373406.4682499	3317.113809818575	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
383	243	179463	-118821.1413	952117.3170250766	39.48904898718656	-01.220219	309068.5574805491	373402.44213396	3315.701921845847	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
384	243	179464	-118161.1413	952117.3170250766	39.4890580343072	-01.217882	309269.5869225965	373398.30652307	3314.44513540251	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
385	243	179465	-117501.1413	952117.3170250766	39.48906606	-01.215448	309460.6215912723	373394.630723348	3313.179981063651	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
386	243	179466	-116841.1413	952117.3170250766	39.4890740965051	-01.213072	309667.653666478	373390.254505106	3312.017875877582	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
387	243	179467	-116181.1413	952117.3170250766	39.48908294043865	-01.210737	309868.5574805491	373386.4682499	3310.87456680573	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
388	243	179468	-115521.1413	952117.3170250766	39.48909179519127	-01.208332	310073.7633949187	373382.148007338	3309.5714557467	3302.564892485143	3061.8493192978684	3064.4803343042996	94.9757536054586	92.44455860821472
389	243	17946												

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevKgr.h	SatHtKgr.f	SatHtKgr.h
471	243	179551	-60741.14133	952117.3170250766	-39.489590378183244	-101.0145447	326758.6948302228	4373046.508759311	3957.94619438062144	2900.047255041141	2948.4597392592937	60.2310156	61.81917173474079
472	243	179552	-60081.14133	952117.3170250766	-39.4895451085851	-101.0122075	326959.711345168	4373042.47326698	3908.12598737633928	2908.79174610320812	2945.8650954054255	60.1071332040645	63.026306428815224
473	243	179553	-59421.14133	952117.3170250766	-39.48959348579668	-101.0086793	327160.4238675624	4373032.438094962	3970.31303214835674	2946.7251198625947	2947.86371458190047	62.222228914849	63.6437102846809
474	243	179554	-56761.14133	952117.3170250766	-39.48960254	-101.00753	327631.7439	4373040.43020269	3976.4964753008	3006.109513313535	2944.5282712667595	61.581240246775515	65.15424898425515
475	243	179555	-58101.14133	952117.3170250766	-39.48960654	-101.0051598	327562.75966657036	4373030.369905306	3985.3423293108553	3004.7119718893427	2941.9209155666905	62.3710663226224	66.33708030758135
476	243	179556	-57441.14133	952117.3170250766	-39.4896105904823	-101.0028586	327763.77570446037	4373026.35171782	3906.8512633347562	3003.309562717715	2938.6871494255264	63.5440813801694	68.78969484
477	243	179557	-56781.14133	952117.3170250766	-39.48961446697183	-101.0005214	327964.79137431644	4373022.301740495	3108.39903915428	3001.38003815189	2935.848979112517	63.50658480393745	67.61169338012314
478	243	179558	-56121.14133	952117.3170250766	-39.489618358745616	-100.9981841	328165.8069	4373018.267937161	3119.88684150139	3001.49038918717293	2933.91157462345975	66.0670584	67.2915246014069
479	243	179559	-55461.14133	952117.3170250766	-39.489622175839676	-100.9968469	328365.9222115684	4373012.434117591	3125.598786589127	2999.58512668684	2937.853773526514	67.222228914849	67.1804833889804
480	243	179560	-54801.14133	952117.3170250766	-39.4896254684337	-100.9953097	328567.8379571727	4373010.20108362	3125.5502228176115	2997.611740197376	2939.57837843573	67.222228914849	72.9022371
481	243	179561	-54141.14133	952117.3170250766	-39.48962973168025	-100.9911728	328768.852380419	4373006.176300864	3125.501685127096	2996.165551985858	2927.8170884856566	68.3485634702142	74.30380714921193
482	243	179562	-53481.14133	952117.3170250766	-39.4896333434249	-100.9888352	328969.867147359	4373002.135003295	3125.4531434365804	2994.72059030393	2926.182032094839	68.5187652556014	74.2968301633092
483	243	179563	-52821.14133	952117.3170250766	-39.4896369036711	-100.98648	329170.8818248675	4372998.102826545	3124.9208924734625	2993.7225111664297	2924.7518315898806	68.4765765745917	74.76226614717633
484	243	179564	-52161.14133	952117.3170250766	-39.489640581241865	-100.9841068	329371.8964	4372994.09777904	3123.90432924422	2991.732953090555	2923.477943262031	68.25199172852409	74.79103211153247
485	243	179565	-51501.14133	952117.3170250766	-39.4896441269675	-100.9818328	329572.7019712598	4372990.037480064	3122.889972022972	2990.2203064837326	2922.365592905635	67.485480403779	74.77006088
486	243	179566	-50841.14133	952117.3170250766	-39.48964762754174	-100.9794863	329773.9248887256	4372986.050571504	3121.87130117943014	2988.8011133165217	2921.3070454027708	67.153153131347	74.751131130347
487	243	179567	-50181.14133	952117.3170250766	-39.48965108	-100.9771491	329974.93889255415	4372981.97351045	3122.7174368082027	2987.1448321777713	2920.51567576962	67.162489113822	74.7979923634512
488	243	179568	-49241.14133	952117.3170250766	-39.4896544324215	-100.9748119	330175.9527306794	4372977.914584569	3125.422444853366	2985.571915809954	2919.9014284846406	67.1884069531083	72.6777913781936
489	243	179569	-48681.14133	952117.3170250766	-39.4896576836751	-100.9724746	330376.9604309205	4372973.918075851	3126.12033866249	2983.972431604395	2919.726339792178	67.1032217985885	74.24610336826163
490	243	179570	-48201.14133	952117.3170250766	-39.489661178342985	-100.9701374	330577.979119034	4372971.03186849	3126.37518824919325	2982.3647258052426	2918.906384728371	67.14351131135347	74.105725853
491	243	179571	-47541.14133	952117.3170250766	-39.48966463116854	-100.9678002	330779.935250237	4372965.84810048	3126.195116506007	2982.06235990418	2918.166782073238	67.06279039047585	62.52557308193914
492	243	179572	-46881.14133	952117.3170250766	-39.4896676284419	-100.9654629	330980.063434896	4372961.871271723	3126.216157123654	2979.7070231119333	2917.243157696126	67.013699691614	67.7464524
493	243	179573	-46221.14133	952117.3170250766	-39.489670736982	-100.963187	331181.0716284171	4372962.073454272	3126.16302061967	2978.581630961297	2916.083226845724	67.03247374738	62.952272384734
494	243	179574	-45561.14133	952117.3170250766	-39.4896740074574	-100.960785	331382.03297205	4372953.75524391	3118.262014184760	2975.5041050717246	2914.7740225091943	67.0095972616464	60.7608256254053
495	243	179575	-44901.14133	952117.3170250766	-39.48967710971626	-100.9584512	331583.0483801726	4372949.726004405	3114.822908	2973.547177341216	2912.738825153907	67.0012512650945	67.6328015
496	243	179576	-44241.14133	952117.3170250766	-39.48968015004758	-100.956114	331784.057049216	4372945.6961	3111.9256595123246	2971.3340362904213	2910.6602611309613	67.0064969257073	61.273775
497	243	179577	-43581.14133	952117.3170250766	-39.48968315397357	-100.9537768	331985.0698319844	4372941.666272521	3108.0302851203496	2970.077787723524	2908.094314565327	67.00529643619293	61.3874419810596
498	243	179578	-42921.14133	952117.3170250766	-39.48968612714963	-100.9514396	332186.082050557	4372937.637503878	3106.133973640375	2968.185955110147	2906.5711085919793	67.004385687344	61.42484651816774
499	243	179579	-42261.14133	952117.3170250766	-39.48968926357577	-100.9491232	332387.094069692	4372932.587345272	3104.5827717119815	2966.259947186752	2904.683226845724	67.0036748693732	61.4786926969624
500	243	179580	-41601.14133	952117.3170250766	-39.48969218456192	-100.9467515	332588.105583365	4372929.5719519497	3098.379520100493	2960.1045379892485	2900.699734900503	67.00253397	61.5397494557904
501	243	179581	-40941.14133	952117.3170250766	-39.48969471817814	-100.9444279	332789.11766414526	4372925.54253895	3094.168113924258	2962.30304377214	2899.365221165207	67.001733779093	62.5716270891306
502	243	179582	-40281.14133	952117.3170250766	-39.4896975	-100.9420096	332990.129307301	4372921.521	3089.961320234806	2960.2764515	2897.759740897884	67.00165944012	62.516770239671
503	243	179583	-39621.14133	952117.3170250766	-39.489700321391945	-100.9397534	333191.140681316	4372917.492005244	3086.10682774259	2958.2200471428264	2896.1235848277315	67.00162351509487	62.3817612748431
504	243	179584	-38961.14133	952117.3170250766	-39.48970292	-100.9374162	333392.151906774	4372913.463898237	3085.1367413670823	2956.3079940297815	2893.659264361466	61.9834297024655	62.47737673
505	243	179585	-38301.14133	952117.3170250766	-39.4897055959443	-100.9350478	333583.162634396	4372909.43580698	3079.113446267054	2952.031160525279	2892.102076122609	61.929840430004	62.52557308193914
506	243	179586	-37641.14133	952117.3170250766	-39.489708717401206	-100.9327417	333784.179	4372905.0176284171	3076.16302061967	2951.010190875967	2890.583226845724	67.03247374738	62.952272384734
507	243	179587	-36981.14133	952117.3170250766	-39.4897107098701	-100.9304405	333985.1845916377	4372901.58013681	3073.08542942205	2949.74853429205	2888.540673348925	67.032474787137	63.416028947292034
508	243	179588	-36321.14133	952117.3170250766	-39.4897132176539	-100.9280672	334196.1951635841	4372897.35241257	3074.862942192804	2947.6700861704867	2883.180754128027	67.032474787137	63.416028947292034
509	243	179589	-35661.14133	952117.3170250766	-39.48971597938958	-100.92573	334397.2055743709	4372889.25278534	3075.526888746665	2945.59264476465	2879.550234266782	67.032474787137	63.416028947292034
510	243	179590	-35001.14133	952117.3170250766	-39.489718063568	-100.9233928	334598.215624011	4372886.29255025	3076.190353721208	2943.586274665891	2876.196324942248	67.032474787137	63.416028947292034
511	243	179591	-34341.14133	952117.3170250766	-39.489720468192125	-100.9210555	334799.2293132834	4372883.271	3075.0695485125065	2941.6992630964475	2874.2431382825715	67.032474787137	63.416028947292034
512	243	179592	-33681.14133	952117.3170250766	-39.4897227548635	-100.9187183	335000.2358418198	4372883.271	3074.163347042247	2939.955008095924	2875.673430369536	67.032474787137	63.416028947292034
513	243	179593	-33021.14133	952117.3170250766	-39.489725103435	-100.916438	335201.252180815	4372883.271	3073.218344584174	2938.7218344584174	2874.2431382825715	67.032474787137	63.416028947292034
514	243	179594	-32361.14133	952117.3170250766	-39.4897271277078	-100.9140348	335402.252180815	4372883.271	3072.267191212544	2937.3964645	2873.16368237301	67.032474787137	63.416028947292034
515	243	179595	-31701.14133	952117.3170250766	-39.48972965007365	-100.9117066	335603.2646621726	4372883.271	3071.34593403024	2890.2821134066675	2870.3731956509	67.032474787137	63.416028947292034
516	243	179596	-31041.14133	952117.3170250766	-39.48973196073054	-100.9093694	335804.273564319	4372883.271	3070.4876184033924	2934.078193987624	2875.809102641179	67.032474787137	63.416028947292034
517	243	179597	-30381.14133	952117.3170250766	-39.489733509916	-100.9070321	336005.28305289	4372883.271	3069.58112320683	2932.7480883100066	2869.8673545269144	67.032474787137	63.416028947292034
518	243	179598	-29721.14133	952117.3170250766	-39.48973580677519	-100.904849	336206.2920531144	4372883.271	3058.47696112086	2931.422049	2864.1604037680677	67.032474787137	63.416028947292034
519													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThKgr.f	SatThBoth.f
237	17967	22418.8586730335	952117.1170250766	39.48975554	-100.7200532	352085.5149595275	4372539.74633545	2958.552897558798	2812.815715845896	2745.4889870790394	2746.376194724304	3.673287247	66.43952024821978	
598	243	17967	23078.8586730335	952117.1170250766	39.48975386252081	-100.711716	352286.5119401637	4372535.73701598	2957.007008174187	2811.161995735211	2742.746307724895	2744.46160980987	68.71782966540422	
599	243	17967	23181.8586730335	952117.1170250766	39.4897518313788	-100.713553	352487.5086938354	4372531.72927871	2958.934847478179	2809.403541647861	2743.4961447861	3.9247826	70.096433	
600	243	17968	24308.8586730335	952117.1170250766	39.48975034049205	-100.717015	352688.5051980137	4372527.12706084	2955.124004115884	2807.83928903686	2737.682967245315	37.8614611578409	70.15659017915505	
601	243	17968	25058.8586730335	952117.1170250766	39.4897440242188	-100.710743	352889.506166198344	4372523.17330363	2962.341956381267	2806.1698951612414	2735.403925615586	2735.19434	70.76593054565533	
602	243	17968	25718.8586730335	952117.1170250766	39.4897430608875	-100.703367	353090.4978262777	4372519.7105	2953.513163521067	2804.495951067757	2733.2867150642446	2734.49498	71.2092360351170	
603	243	17968	26378.8586730335	952117.1170250766	39.48974552410556	-100.700298	353291.4941991302	4372515.69666747	2946.176965043677	2802.8210632392606	2731.260166	2735.2564293170463	71.6069898470082	
604	243	17968	27038.8586730335	952117.1170250766	39.48974369972305	-100.703626	353492.4901991302	4372511.69022615	2948.194904569715	2801.142609984724	2728.531370135603	2734.6897443301762	71.60893867	
605	243	17968	27698.8586730335	952117.1170250766	39.48974182468897	-100.701353	353693.5086952026	4372507.5838167	2947.51284387179	2800.934847816492	2728.140774889176	2733.503185126887	71.607878795687	
606	243	17968	28358.8586730335	952117.1170250766	39.48973907255504	-100.6990181	353894.481349967	4372503.671521585	2941.630782333554	2799.75943096384	2726.662572535254	2731.3095537530102	71.10646950331012	
607	243	17967	29018.8586730335	952117.1170250766	39.4897374647216	-100.6968089	354095.4774636514	4372499.63981414	2938.798816737916	2796.072921195675	2725.3021820859	2729.83683315568	70.4232086810746	
608	243	17968	29678.8586730335	952117.1170250766	39.4897359369389	-100.694346	354296.4723652373	4372495.663	2938.4171390413962	2794.368874781397	2724.7782067599996	2728.64836604767	70.9596802715066	
609	243	17968	30388.8586730335	952117.1170250766	39.4897338405515	-100.6920064	354497.4682688233	4372491.656517458	2938.033698490902	2792.65668973546	2724.0122068851233	2725.38589039446	66.64494811242617	
610	243	17969	30998.8586730335	952117.1170250766	39.4897317602159	-100.6896962	354698.4634606206	4372487.65	2938.6536537166034	2790.3926114896194	2723.684283876123	2725.413714964347	65.927825007317	
611	243	17969	31658.8586730335	952117.1170250766	39.4897304283797	-100.6873139	354899.4585122513	4372483.64447819	2938.540325178018	2789.2072196357145	2722.7473487856794	2726.129172030011	62.75344773015504	
612	243	17969	32318.8586730335	952117.1170250766	39.48972745450433	-100.684947	355100.4534239683	4372478.63027218	2938.69462629635	2787.469511889732	2724.3532818504477	2727.301145411616	63.07023039244365	
613	243	17968	32978.8586730335	952117.1170250766	39.48972552102066	-100.682675	355301.4481961872	4372475.63	2938.85627244242	2785.722854084525	2724.8919586275965	2726.80095450610579	63.08095456938424	
614	243	17964	33638.8586730335	952117.1170250766	39.48972294236955	-100.6803202	355502.4428280761	4372471.62796913	2938.05702585269	2783.9698464641967	2725.8067519082788	2729.356490126630	54.70526216624019	
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642	243	17972	52118.8586730335	952117.1170250766	39.48964089075096	-100.6148778	361130.2367917682	4372359.56452593	2861.9488281257375	2731.58151129091	2694.46628228003	2695.942511024785	37.1272830090054	
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644	243	17974	53438.8586730335	952117.1170250766	39.4896338896364	-								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.U	UTM.V	SurfElev.	W.Lt.	BRIElevKsg.f	BRIElevBothK.f	SatHtKsg.f	SatHtBoth.f
723	243	179803	10578.85867307335	952117.11730250766	39.48920398838035	-100.4255633	377410.06676018715	4372036.300876222	271.1698464290871	25.92740240115954	2486.891708701669	2486.308303775986	108.832333092653	109.4022136399886
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725	243	19805	106898.85867307335	952117.11730250766	39.4891933634969	-100.408685	377812.3207763223	4372028.33829505	272.60110256696	25.9315633291198	2482.798739148274	2481.711534	110.1181387425265	111.0240166831977
726	243	19806	107558.85867307335	952117.11730250766	39.4891820726605	-100.418351	378013.00803562684	4372024.354	272.650306276283	25.9149343829766	2487.108235899676	2486.514597536261	104.3852004751859	104.79487401122508
727	243	19807	108218.85867307335	952117.11730250766	39.489174647123015	-100.4162145	378213.9881846828	4372013.27605931	273.7199970194815	25.90059672397996	2488.020076165238	2488.6870329216006	101.03966923275841	101.3726332
728	243	19808	109087.85867307335	952117.11730250766	39.48917216123624	-100.4138773	378414.06815005105	4372010.375017084	271.600318423801	25.881464247173024	2489.768619619414	2489.60503929169354	98.0094208003072	99.0094208003072
729	243	19809	1095838.85867307335	952117.11730250766	39.48915975060407	-100.4115401	378615.9481994841	4372010.409717432	271.48063982121	25.87195304982286	2490.420494180779	2489.586530036545	96.38813064070739	96.38172465100733
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731	243	19811	110858.85867307335	952117.11730250766	39.489144673462144	-100.406857	379017.8075091918	4372004.1434789891	270.819110256696	25.84819719719821	2494.075449198621	2494.259744052885	90.1446851	90.1446851
732	243	19812	111178.85867307335	952117.11730250766	39.48913706719961	-100.4045285	379218.9873348574	4372000.46942782	270.2101409106154	25.827320545	2496.853181301096	2497.18752590546	85.5727611742346	85.573192849379
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738	243	19818	115478.85867307335	952117.11730250766	39.4890904	-100.390503	380424.7625579053	4371978.58701732	270.819150120349	25.7374393320548	2497.52860266997	2495.935718701249	77.708246102902	77.708246102902
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1	244	19821	-370941.1413	952777.11730250766	39.4844636210000	-102.1129935	323262.8400840075	437167.68161213	3904.488331949135	36.8915046598672	3671.693636903214	3618.93520454782	70.9113929126142	70.9113929126142
2	244	19822	-370281.1413	952777.11730250766	39.484488973176596	-102.1106567	323463.9502565548	437163.546759045	3897.326516539491	36.881369071919856	3614.332866565403	3616.116391284164	74.003260265605	72.2205198078211
3	244	19823	-369621.1413	952777.11730250766	39.48451427938279	-102.1083198	323665.072465282	437159.412	3893.1764819378	36.87165583292963	3611.306154530866	3614.6542471539025	73.8894254937675	72.9101123893821
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10	244	19830	-365001.1413	952777.11730250766	39.48469015896694	-102.091916	324072.8950879332	437151.307562139	3907.894952328995	36.78780989639467	3605.404114330693	3605.45451996711714	73.40398250907783	73.6239714847567
11	244	19831	-364341.1413	952777.11730250766	39.48471510469856	-102.089825	324274.6180189342	437149.186918942	3908.141185777789	36.76418771789574	3604.0280234167497	3604.0280234167497	73.35086302020763	73.45836217687105
12	244	19832	-363681.1413	952777.11730250766	39.48474040343876	-102.0877284	324475.1270540376	437147.209571971	3908.258145173477	36.751135274377	3603.19254237477	3603.19254237477	73.35086302020763	73.45836217687105
13	244	19833	-363021.1413	952777.11730250766	39.4847485886162	-102.0849513	324672.4279810925	437151.8704518102	3903.34055810714	36.75126544919463	3599.1865230370693	3599.1865230370693	73.35086302020763	73.45836217687105
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15	244	19835	-361701.1413	952777.11730250766	39.484814433100475	-102.0802776	325074.8727423825	437109.81305173	3896.4915001515647	36.72638973825956	3594.2121128975236	3594.2121128975236	72.4767080557230	72.4767080557230
16	244	19836	-361041.1413	952777.11730250766	39.48483915251247	-102.0779408	325279.58723205494	437105.618124291	3891.17975321529152	36.713842931529152	3591.6755923196	3591.6755923196	70.766372291904	70.766372291904
17	244	19837	-360381.1413	952777.11730250766	39.4848636678612	-102.075938	325480.7616363014	437101.349694472	3886.890807296154	36.707122883110986	3588.1214665420458	3588.206339738976	70.0163755658258	70.0163755658258
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19	244	19839	-359061.1413	952777.11730250766	39.4849103399181	-102.072032	325882.9294816912	437093.28683836	3887.348481	36.6757883195629	3583.972075148567	3583.972075148567	68.10067544711958	68.10067544711958
20	244	19840	-358401.1413	952777.11730250766	39.484935758776524	-102.069593	326084.0341162908	437089.15530025	3882.24645753694	36.6592584654246	3581.4726101234432	3581.50479007737	68.8227453300624	68.7904760548067
21	244	19841	-357741.1413	952777.11730250766	39.48496207	-102.0662564	326285.1562802497	437085.20136888	3885.140854124376	36.64500401991564	3579.161701779213	3579.081782	68.5922783322568	68.5922783322568
22	244	19842	-357081.1413	952777.11730250766	39.4849652107763	-102.0639196	326486.269287089	437080.895	3888.0374007104015	36.637045493082963	3576.851304908296	3576.7624391	68.4595436855618	68.4595436855618
23	244	19843	-356421.1413	952777.11730250766	39.48501902452014	-102.061827	326687.382300356	437076.764189989	3881.3638695956	36.6239459365521	3574.5932842050358	3574.5932842050358	68.4595436855618	68.4595436855618
24	244	19844	-355761.1413	952777.11730250766	39.4850538282402	-102.0594258	326888.4951800548	437072.63436821	3883.438839896743	36.6107461781893	3572.16310684537	3571.30538220548	68.31112056513	68.31112056513
25	244	19845	-355101.1413	952777.11730250766	39.48508862401563	-102.057212	327097.7187006496	437068.34371494	3881.43777662095	36.5984217758361	3569.26310684537	3569.26310684537	68.31112056513	68.31112056513
26	244	19846	-354441.1413	952777.11730250766	39.485108690324	-102.05522352	327491.8304969537	437060.24859227	3877.13480973710296	36.577086630710296	3567.2694653305672	3567.2694653305672	68.31112056513	68.31112056513

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIEvLogsKrg.f	BREIEvBothKrg.f	SatHtLogs.f	SatHtBoth.f
100	244	179929	-299661.1413	952777.7172025076	39.48694072062594	-101.8606062	32598.124088122222	4374772.351046178	3740.468423242689	3544.985656685645	3414.237425027044	3408.627325296908	3417.041406586073	336.35804239954688
110	244	179930	-299601.1413	952777.7172025076	39.48696122827482	-101.8585269	254183.21490391038	437478.123327688	3736.913031687012	3543.960465652723	3412.376484826275	3417.0413789157	341.45956582	336.70643276300734
111	244	179931	-299618.1413	952777.7172025076	39.48697169333291	-101.8585122	254384.30547669866	437474.12724563	3737.589043668211	3542.168632582416	3411.634547485104	3416.92832421152	341.45956582	336.70643276300734
112	244	179932	-299678.1413	952777.7172025076	39.48700204527231	-101.8539592	254585.3958	4374710.10260252	3738.494472721787	3541.550069075696	3406.795566	3403.776619352036	337.1910409740566	337.773985015700
113	244	179933	-299702.1413	952777.7172025076	39.48702238605727	-101.8512582	254786.4858940313	4374705.905	3735.4004059158264	3540.431151849856	3406.510712510012	3401.7081770938967	337.924022	336.7043742558892
114	244	179934	-299631.1413	952777.7172025076	39.48702461699705	-101.8489212	254987.5757390185	4374701.794134589	3734.70373289294135	3539.127731566595	3404.03019530161	3405.2741720336435	337.120158034775168	336.7043742558892
115	244	179935	-299701.1413	952777.7172025076	39.48702693	-101.8465842	255188.66534181297	4374693.783602929	3732.900794182717	3538.1415750220106	3401.288314207224	3396.859468	336.8532280148817	336.7043742558892
116	244	179936	-295041.14013	952777.7172025076	39.48708317356684	-101.8442471	255389.75470262583	4374687.629602929	3731.181289021277	3537.003717414231	3398.32678889941	3394.090224079808	336.7692851458014	342.91349693451275
117	244	179937	-294818.1413	952777.7172025076	39.48710328718145	-101.8419101	255590.8436216256	4374684.462541348	3729.461783661735	3535.526873286465	3396.498672346712	3388.23873476712	340.36905113988078	337.02456103877274
118	244	179938	-293721.1413	952777.7172025076	39.48712341125339	-101.8395731	255791.9237690254	4374685.32438689	3727.742278701159	3534.709623105966	3393.72505482146	3375.66455209639	340.9843234718203	342.91349693451275
119	244	179939	-293061.14013	952777.7172025076	39.48714348278257	-101.8372861	255913.8145319773	4374681.24253333	3726.251820485603	3533.54438357018	3392.823677316752	3369.82518382401	337.1910409740566	337.773985015700
120	244	179940	-292401.1413	952777.7172025076	39.48716351	-101.8348991	256194.109304111	4374673.12366735	3724.990421125110	3532.35779430697	3392.0291880150694	3372.49180764202	340.32866041562775	336.7043742558892
121	244	179941	-291741.1413	952777.7172025076	39.48718367122626	-101.8325621	256395.1978413798	4374670.023	3723.729018439254	3531.140213	3391.090223294645	3372.49180764202	340.32866041562775	336.7043742558892
122	244	179942	-291081.1413	952777.7172025076	39.48720342171342	-101.8302251	256596.2858973663	4374664.801	3722.467615366265	3529.800336662477	3389.989494	3372.49180764202	340.32866041562775	336.7043742558892
123	244	179943	-290421.1413	952777.7172025076	39.48722331107131	-101.8278881	256797.7307300945	4374664.80108505	3720.777670626836	3528.566851690667	3388.915598168223	3383.495931768506	337.7529187204482	336.7043742558892
124	244	179944	-289761.1413	952777.7172025076	39.48724316	-101.825511	256996.1021048032	4374660.092811909	3718.67437586193	3527.19205308851	3387.6186115111235	3376.333393718019	337.7529187204482	336.7043742558892
125	244	179945	-289141.1413	952777.7172025076	39.4872629435836	-101.823214	257199.58419471316	4374656.57667482	3716.541188085595	3525.76453831534	3386.532416903716	3370.5241643769614	337.7529187204482	336.7043742558892
126	244	179946	-288401.1413	952777.7172025076	39.487282708287395	-101.820877	257400.6314703474	4374652.4796646	3714.4222865937343	3524.263194	3385.591785710707	3375.887507640997	337.7529187204482	336.7043742558892
127	244	179947	-287781.1413	952777.7172025076	39.48730241707342	-101.81854	257601.7218596405	4374644.371078241	3711.87481481012	3522.72555460389	3384.720030460523	3381.96016236157586	337.7529187204482	336.7043742558892
128	244	179948	-287121.1413	952777.7172025076	39.487322008716375	-101.816203	257802.8083273486	4374648.26102986	3709.851702581984	3521.153876	3383.926126519238	3380.927774937777	337.7529187204482	336.7043742558892
129	244	179949	-286461.1413	952777.7172025076	39.48734169921622	-101.813866	258003.8496655247	4374640.155340246	3705.919147522584	3519.584828931438	3383.139682905303	3381.782447240828	336.7529187204482	336.7043742558892
130	244	179950	-285801.1413	952777.7172025076	39.48736127527294	-101.8115289	258204.9056612145	4374636.40790822	3704.01260193152	3517.947860544014	3382.16103388757	3375.745653054072	336.7529187204482	336.7043742558892
131	244	179951	-285141.1413	952777.7172025076	39.48738080786454	-101.789159	258406.1544437255	4374631.94444338	3701.462582168454	3516.452043871523	3381.01179420094	3380.991819228632	336.7529187204482	336.7043742558892
132	244	179952	-284481.1413	952777.7172025076	39.48740023855678	-101.806549	258607.1518341937	4374627.8330105	3700.235521607524	3514.708747316915	3380.52562068398	3377.202033785204	336.7529187204482	336.7043742558892
133	244	179953	-283821.1413	952777.7172025076	39.48741921778385	-101.8045179	258808.237127474	4374623.726	3699.424312993368	3513.09058297179	3380.132271475285	3375.901628041623	336.7529187204482	336.7043742558892
134	244	179954	-283161.1413	952777.7172025076	39.4874391456761	-101.8021808	259009.3221530987	4374616.91792029	3698.613104379023	3511.473074658527	3378.9729850417	3374.545181490174	336.7529187204482	336.7043742558892
135	244	179955	-282501.1413	952777.7172025076	39.48745846220806	-101.7998438	259210.407	4374615.51232553	3696.851705168729	3509.854067905293	3377.650698763783	3373.124964094178	336.7529187204482	336.7043742558892
136	244	179956	-281841.1413	952777.7172025076	39.487477764705105	-101.797508	259411.4915197971	4374611.406962995	3701.0411536194	3508.230176175589	3373.942140244666	3371.785404701294	336.7529187204482	336.7043742558892
137	244	179957	-281181.1413	952777.7172025076	39.4874972	-101.795167	259612.57846552	4374607.39030261	3698.42655551583	3506.817897419237	3373.942140244666	3371.785404701294	336.7529187204482	336.7043742558892
138	244	179958	-280521.1413	952777.7172025076	39.4875162426903	-101.7928135	259813.659359629	4374603.195	3696.7102716254	3505.039187712313	3372.700779390173	3372.700779390173	336.7529187204482	336.7043742558892
139	244	179959	-279861.1413	952777.7172025076	39.487535401335784	-101.7904597	260014.7378792252	4374599.0842204	3696.954118900696	3503.39447735633	3370.1391580117343	3367.04783424596	336.7529187204482	336.7043742558892
140	244	179960	-279201.1413	952777.7172025076	39.48755452325903	-101.7881586	260215.8274029416	4374594.994984	3696.130414250667	3501.79041163356	3367.171080274295	3365.21231377572	336.7529187204482	336.7043742558892
141	244	179961	-278541.1413	952777.7172025076	39.48757360030872	-101.7858216	260416.91870112554	4374588.78792324	3695.3311465204631	3500.93348825756	3365.20576247139	3363.26742298114	336.7529187204482	336.7043742558892
142	244	179962	-277881.1413	952777.7172025076	39.48759263167482	-101.783446	260617.9932260818	4374586.7739657	3694.601439066631	3498.604139066631	3362.610716029294	336.7529187204482	336.7043742558892	336.7043742558892
143	244	179963	-277221.1413	952777.7172025076	39.4876116187342	-101.7814719	260819.9678278121	4374582.699813565	3693.199193105685	3497.02712352	3358.910382845915	3363.244463158106	337.112586750528	336.7043742558892
144	244	179964	-276561.1413	952777.7172025076	39.48763055915	-101.778915	26102.1594967255	4374581.9444338	3692.1928091093	3495.452043871523	3358.910382845915	3363.244463158106	337.112586750528	336.7043742558892
145	244	179965	-275901.1413	952777.7172025076	39.48764945572128	-101.7764734	261221.2429362874	4374574.46085898	3691.54336864086	3493.8975551852	3357.9011651560645	3362.40242768333	336.7529187204482	336.7043742558892
146	244	179966	-275241.1413	952777.7172025076	39.48766830678268	-101.7741364	261422.3412672485	4374570.35594119	3690.717459619425	3492.357968584208	3350.85769	3357.9011651560645	336.7529187204482	336.7043742558892
147	244	179967	-274581.1413	952777.7172025076	39.48768711270331	-101.7717994	261623.4608822159	4374566.25009173	3689.820950777577	3491.2619674305926	3347.3097221377651	3351.92783771651	343.9196853811062	336.7043742558892
148	244	179968	-273921.1413	952777.7172025076	39.487705873474134	-101.7694623	261824.48781432468	4374562.148289304	3687.1391262347265	3489.311228602337	3344.228858361316	3343.7812812473245	336.7529187204482	336.7043742558892
149	244	179969	-273261.1413	952777.7172025076	39.4877245891041	-101.7671253	262025.5693529357	4374558.40478324	3686.697513721722	3487.805706160006	3340.480148993393	3339.860768027325	336.7529187204482	336.7043742558892
150	244	179970	-272601.1413	952777.7172025076	39.4877438905511	-101.7647882	262226.6505611709	4374553.34149834	3686.250017087177	3486.313654898443	3338.926386239657	3337.0404695123	336.7529187204482	336.7043742558892
151	244	179971	-271941.1413	952777.7172025076	39.4877632196134	-101.7624812	262428.17623825	4374548.984289304	3685.42362168454	3485.1928091093	3337.942140244666	3337.0404695123	336.7529187204482	336.7043742558892
152	244	179972	-271281.1413	952777.7172025076	39.487782545130676	-101.760114	262628.182369114	4374545.73550192	3684.50067762826	3484.3362907172	3336.92680716327	3335.845809629146	336.7529187204482	336.704374255889

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatHtLogs.	SatHtBoth.
232	244	180055	-216501.1413	952777.7172025076	39.48916524645962	-101.5661351	279317.32049825925	4374205.938231012	352.7066698885313	336.2061663597267	3234.954851682715	3254.264783426313	31.24881191455193	111.93988017909383
236	244	180056	-215841.1413	952777.7172025076	39.48918005444769	-101.5637398	279518.7822966043	4374201.8535248394	352.253852548394	334.4112849464948	3235.4972501927506	3231.9011522251837	128.9140343	111.2911252442509
237	244	180057	-215181.1413	952777.7172025076	39.48919477228911	-101.5614608	279719.6438898752	4374197.7683887878	351.8262154459759	333.7948621784743	3235.7168174832758	3235.1325123985995	128.901495737945	116.485072537945
238	244	180058	-214521.1413	952777.7172025076	39.48920947498385	-101.5591327	279920.9502702684	4374193.633765168	351.348166381177	336.01876849855	3236.792837759954	3236.439010726866	125.530344738081	124.37896657299007
239	244	180059	-213861.1413	952777.7172025076	39.48922412753187	-101.5567865	280121.9664369946	4374189.599394019	351.6183392742383	335.0176908664477	3234.080595694777	3232.965406294811	124.92863129716397	131.4126454781307
240	244	180060	-213201.1413	952777.7172025076	39.48923873493311	-101.5544494	280323.0273872616	4374185.15124919	351.258482772083	335.12348880284	3231.868065	3219.686259759477	132.5736318178844	137.57216912855158
241	244	180061	-212541.1413	952777.7172025076	39.48925329718761	-101.5521123	280524.08812126983	4374181.431247867	351.685297029272	335.4063790895007	3229.507833980203	3212.967383980203	125.89854510928035	142.303263264814
242	244	180062	-211881.1413	952777.7172025076	39.48926781429529	-101.5497751	280725.148632278	4374177.34724861	351.107461182942	335.596779298677	3226.8889266287	3210.025449724324	126.70578301239039	137.57153432636412
243	244	180063	-211221.1413	952777.7172025076	39.48928256595185	-101.5474768	280925.2089413422	4374173.263394968	351.2823154459759	335.7948621784743	3226.75823377755	3208.5126123985995	127.51849488071925	136.2688735
244	244	180064	-210561.1413	952777.7172025076	39.48929671307014	-101.5451508	281127.2690727817	4374169.180618997	351.24402320311	334.91680474813	3221.4485540424577	3203.9650512710648	125.211416395551	146.003247920374816
245	244	180065	-209901.1413	952777.7172025076	39.489311004744345	-101.5427367	281328.3289898037	4374165.09749717	351.218741945477	334.81549194854173	3201.694543024383	3219.1981620126676	126.75460247629008	
246	244	180066	-209241.1413	952777.7172025076	39.48932541252449	-101.5404265	281529.3886541917	4374161.014590971	351.134273568934	334.613736755597	3219.078585185667	3216.476033112205	129.2438723703046	149.8657034391956
247	244	180067	-208581.1413	952777.7172025076	39.48933972	-101.5380894	281730.4480954127	4374159.38198026	351.055734848895	334.30116094724	3218.471562020262	3219.625844328344	129.6555407447998	151.9157316619079
248	244	180068	-207921.1413	952777.7172025076	39.48935398686396	-101.5357522	281931.50713213901	4374155.96130731	350.8916326442996	334.2196547128768	3212.8259734948549	3219.8209080111779	129.8918076432922	153.48874601769835
249	244	180069	-207261.1413	952777.7172025076	39.489368169943184	-101.5334151	282132.5663327566	4374148.76742102	350.7487539006496	334.0309867574076	3210.9547695023026	3219.193259112829	129.9597650725046	147.7147338462828
250	244	180070	-206601.1413	952777.7172025076	39.489382323	-101.5310719	282333.6251291796	4374144.685083108	350.67434411576296	333.9110189455765	3209.21160271740266	3202.21518558434	129.8805019853393	138.850387294243
251	244	180071	-205941.1413	952777.7172025076	39.4893963666057	-101.5287408	282534.6837124837	4374140.36236083	350.5184626419597	3327.289979	3217.617940417036	3212.910717372422	129.6720384784622	126.2266141802766
252	244	180072	-205281.1413	952777.7172025076	39.48941052239866	-101.5264036	282735.7420812541	4374136.52160109	350.671748554848	333.5478592259204	3205.7239228756584	3215.098529070592	129.7546693802163	126.2266141802766
253	244	180073	-204621.1413	952777.7172025076	39.48942452287888	-101.5240664	282936.806202368	4374132.401477908	350.6717529521033	333.6653173054833	3204.276375	3215.626045328898	129.3889427306135	118.04463037648526
254	244	180074	-203961.1413	952777.7172025076	39.4894388488133474	-101.5217293	283137.8581776395	4374128.35866744	350.6144031218445	333.4913260466608	3203.05846885753	3216.9440174749562	128.7908700690764	116.4903304706545
255	244	180075	-203301.1413	952777.7172025076	39.48945242833015	-101.5193921	283338.9195056651	4374124.277665145	350.390362338899	333.0202971	3201.941739784674	3217.86730642696	128.818169635727	112.1627602979075
256	244	180076	-202641.1413	952777.7172025076	39.48946531739666	-101.517055	283539.9742052264	4374120.197180221	350.366017021351	332.806570679364	3200.936540553597	3215.93453255427	127.2689230123366	111.2715137415373
257	244	180077	-201981.1413	952777.7172025076	39.48947923818496	-101.5147347	283743.102784414	4374116.193394681	349.8798928476041	331.5125291983832	3219.1138847476	3215.91280919832	119.0701239910832	115.468155497013
258	244	180078	-201321.1413	952777.7172025076	39.48949394803699	-101.5123807	283942.068115466	4374110.03243187	349.890336275577	332.5454794256253	3219.178341820425	3209.2458059951366	125.361360448256	115.125495730887
259	244	180079	-200661.1413	952777.7172025076	39.4895078764477	-101.5100435	284143.1468817566	4374107.95089837	348.877731370737	332.740738653562	3219.805340809495	3205.66735021391	123.9039977363071	117.0426036
260	244	180080	-200001.1413	952777.7172025076	39.48952140210525	-101.5077063	284344.20153236054	4374103.87615014	348.878386252148	332.086402493375	3219.1238118284255	3201.31862147856	122.7402113053277	118.4546127586969
261	244	180081	-199341.1413	952777.7172025076	39.489535061418415	-101.5053962	284545.257804523	4374099.79642247	348.897519275154	331.0900602654254	3219.42077578393	3200.1640129523676	122.58129023677	119.819991724784
262	244	180082	-198681.1413	952777.7172025076	39.4895487558422	-101.503032	284746.3140446079	4374095.771	348.8977602325983	331.1350540512183	3219.62440984002	3201.0932166319485	120.3104655512146	116.41838496969
263	244	180083	-198021.1413	952777.7172025076	39.489562244860268	-101.5006846	284947.3707303334	4374091.373984651	348.897982476041	331.5125291983832	3219.1138847476	3215.91280919832	119.0701239910832	115.468155497013
264	244	180084	-197361.1413	952777.7172025076	39.48957619847372	-101.498377	285148.4258985317	4374087.58510424	348.87732105243	331.5125291983832	3219.1138847476	3215.91280919832	119.0701239910832	115.468155497013
265	244	180085	-196701.1413	952777.7172025076	39.48958924719737	-101.4960205	285349.4814955168	4374083.479630161	348.8348395169181	331.452105653241	3219.54487040853	3219.7383497828	125.750259572545	121.7213718035124
266	244	180086	-196041.1413	952777.7172025076	39.48960268077354	-101.4936833	285550.536899868	4374079.496091746	348.8047531941875	330.9457183564877	3219.048182334515	3218.382701501585	115.4890012303722	121.2198333456926
267	244	180087	-195381.1413	952777.7172025076	39.4896160920224	-101.4913622	285751.59207354875	4374075.323	347.8721750014601	330.7614907160104	3219.6937761538197	3218.36322848592	125.7499285778163	118.2784580300318
268	244	180088	-194721.1413	952777.7172025076	39.4896291248343	-101.489009	285962.6470441013	4374071.24260451	347.807399387079	330.737699387079	3219.1306937802755	3218.4761031532643	125.544638082755	121.0595885983641
269	244	180089	-194061.1413	952777.7172025076	39.489642710671705	-101.4868678	286153.7010887747	4374067.16622554	347.8047498249627	330.3837124973048	3219.216950153096	3218.491445443183	125.7456759286208	122.3426759286208
270	244	180090	-193401.1413	952777.7172025076	39.4896563372505	-101.4845347	286354.7684535334	4374063.09404681	347.8047498249627	330.3837124973048	3219.216950153096	3218.491445443183	125.7456759286208	122.3426759286208
271	244	180091	-192741.1413	952777.7172025076	39.48966917	-101.481975	286555.8107028426	4374059.01972724	346.8942603212109	330.0581856456527	3219.170117805953	3218.491445443183	125.7456759286208	122.3426759286208
272	244	180092	-192081.1413	952777.7172025076	39.48968233413273	-101.4796603	286756.8643495473	4374054.93319772	346.8307286072023	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
273	244	180093	-191421.1413	952777.7172025076	39.48969545167604	-101.4773231	286957.9187573942	4374050.85621411	346.8307286072023	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
274	244	180094	-190761.1413	952777.7172025076	39.489708047071716	-101.474986	287158.974703655	4374046.779204264	346.8307286072023	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
275	244	180095	-190101.1413	952777.7172025076	39.4897215	-101.472688	287360.0297407636	4374042.70478192	346.8307286072023	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
276	244	180096	-189441.1413	952777.7172025076	39.4897345179939	-101.4703116	287561.0710887747	4374038.62592786	346.827611711632	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
277	244	180097	-188781.1413	952777.7172025076	39.48974763321133	-101.467975	287762.13510887747	4374034.34746033	346.827611711632	329.812736334322	3219.4748419247676	3218.93567807417	125.7456759286208	122.3426759286208
278	244	180098	-188121.1413	952777.7172025076	39.48976032171739	-101.4655373	287963.1852316946	4374030.47346033	346.827611711632	329.812736334322	3219.4748419247676	3218.93567807417	125.74567	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogs.ft	BRrElevBothKrg.ft	SatHtLogs.ft	SatHtBothKrg.ft
361	244	180181	-133341.1413	952777.7172025076	39.490672994654425	-101.271649	304649.8672164136	3733692.892730048	3068.88483	3174.506447356832	3069.009544756153	3079.1493430884143	95.4969026007682	95.35710426841752
362	244	180182	-132681.1413	952777.7172025076	39.49066203935982	-101.269317	304850.9303016949	3733688.834003413	3308.647131362996	3173.1916261478523	3070.20039146599	3079.76179603912	95.90068700125326	96.00387418745504
363	244	180183	-132021.1413	952777.7172025076	39.49069114815282	-101.252581	305658.1565591618	3733684.735847873	3312.54766969521	3171.891498510065	3069.088635622326	3072.686610614443	95.765892695082	96.12054039658952
364	244	180184	-131361.1413	952777.7172025076	39.49070015714742	-101.246372	305252.9749898751	3733683.779043413	3315.5891957156556	3167.50909082178555	3071.504785936465	3078.9031278176556	95.90403122813905	95.70518542129957
365	244	180185	-130701.1413	952777.7172025076	39.49070912	-101.2623	305454.01401138376	3733677.660170049	3318.6307247266897	3169.3115081509554	3071.69863264863	3069.228777651836	95.848668699247	95.90827305052109
366	244	180186	-130041.1413	952777.7172025076	39.4907180972817	-101.259628	305655.04573324714	3733672.602647743	3317.62724932742	3168.02728402616	3071.5081465698345	3066.5574828191407	95.61914127	95.704723052112092
367	244	180187	-129381.1413	952777.7172025076	39.49072691329418	-101.257625	305856.809	3733668.545336045	3322.658602704778	3166.744134	3071.6258475827286	3066.292709977114	95.61758477711516	95.704723052112092
368	244	180188	-128721.1413	952777.7172025076	39.49073541711053	-101.255283	306057.11590615235	3733664.48823317	3321.68106984514	3165.4614032835814	3070.09828282523	3065.708181	95.36247445508413	95.75322732960153
369	244	180189	-128061.1413	952777.7172025076	39.49074445977224	-101.252581	306258.1565591618	3733664.48823317	3312.54766969521	3171.891498510065	3069.088635622326	3072.686610614443	95.765892695082	96.12054039658952
370	244	180190	-127401.1413	952777.7172025076	39.49075336	-101.2506138	306459.1851152429	3733656.375	3319.446339815273	3164.900337637036	3067.9587562191628	3064.51703356507	94.94158142054054	96.38330407712545
371	244	180191	-126741.1413	952777.7172025076	39.4907615650615	-101.248276	306660.2194915578	3733652.312020008	3319.795948	3161.6243173090093	3066.672832336357	3064.204433778225	94.94158142054054	96.38330407712545
372	244	180192	-126081.1413	952777.7172025076	39.49077060387931	-101.2459393	306861.2536744584	3733648.262	3321.516286999513	3160.351241062614	3065.3664132399003	3063.807977404925	94.94064722265905	95.432663768692
373	244	180193	-125421.1413	952777.7172025076	39.49077205654726	-101.2436201	307062.2786682523	3733644.205800927	3323.3441051614636	3159.0795482041402	3064.173377990042	3063.775513690317	94.90867123173999	95.30599738310849
374	244	180194	-124761.1413	952777.7172025076	39.4907776406972	-101.2412648	307263.312	3733640.15004885	3325.11638502095	3157.8065399132665	3063.288393983511	3063.6582817669278	94.51814403	94.1482581433878
375	244	180195	-124101.1413	952777.7172025076	39.49077627649819	-101.2389276	307464.3552	3733636.09441858	3325.61363502945	3156.530170389994	3062.4980556593213	3063.44949067586	94.0224643	92.686927942
376	244	180196	-123441.1413	952777.7172025076	39.49080474365685	-101.236593	307665.3898169818	3733632.03092863	3324.834691004383	3155.251121705818	3061.3360451121547	3063.7880176714	93.9151655262709	91.472490983679
377	244	180197	-122781.1413	952777.7172025076	39.4908137	-101.234251	307866.4218564208	3733627.93838667	3324.05135891303	3153.96735170852	3060.762473428887	3063.41387364993	94.20488143	90.55348153586373
378	244	180198	-122141.1413	952777.7172025076	39.49082154	-101.2319159	308067.5409774466	3733623.92838667	3323.275197178786	3152.6782359557692	3058.263168003274	3063.4117654903	94.5156559249511	89.23764107671313
379	244	180199	-121461.1413	952777.7172025076	39.4908289744412	-101.229576	308268.487712138	3733619.874095575	3322.08692782543	3151.385908502672	3056.791880861368	3059.74141216951	94.594090663034	91.67147811
380	244	180200	-120801.1413	952777.7172025076	39.4908381601133686	-101.2272414	308469.52040710367	3733615.814919418	3320.484121048795	3150.085072506767	3055.21383914918	3058.550725359326	94.5387231514195	91.53823536133405
381	244	180201	-120141.1413	952777.7172025076	39.49084640250333	-101.2249041	308670.55293535197	3733611.705134214	3318.881342721564	3148.786877183025	3053.732724825953	3058.2104302928495	95.05415235	90.57382789
382	244	180202	-119481.1413	952777.7172025076	39.4908546	-101.2225669	3088701.5852	3733607.71087952	3317.278547495812	3147.4793541036	3052.38871749281	3057.12916401268	95.09103179175554	90.5938496866774
383	244	180203	-118821.1413	952777.7172025076	39.49086296551616	-101.219828	309072.6170445077	3733603.65948644	3316.229987	3146.7805242282	3051.6254271688989	3055.42718168989	94.673094737394	90.620441283853
384	244	180204	-118161.1413	952777.7172025076	39.49087086	-101.217824	309273.6497274493	3733599.603	3314.740504192334	3144.85111756584	3048.425874456233	3053.130677616756	94.45223801126072	91.7150350820846
385	244	180205	-117501.1413	952777.7172025076	39.490878916883105	-101.2155551	309474.68018181936	3733585.5498217365	3313.522478583226	3143.5317319605385	3048.0212683385	3050.756226685448	95.5106051153692	92.778475340371
386	244	180206	-116841.1413	952777.7172025076	39.49088693260329	-101.2132179	309675.7125273036	3733591.496512163	3312.340982526518	3142.2161098	3046.5057909529073	3048.782140551106	95.71030714532554	93.48363547313401
387	244	180207	-116181.1413	952777.7172025076	39.490894803017355	-101.2108086	309867.7438041872	3733587.43424092	3310.839308334903	3140.89339334903	3045.064075890645	3046.969144903988	95.029334442537	93.930186978103497
388	244	180208	-115521.1413	952777.7172025076	39.49090282859384	-101.2085434	310077.7152204414	3733583.390393714	3308.03835040698	3139.564174695343	3043.6991439566027	3045.0972610106323	95.86500373974013	94.4668688460951
389	244	180209	-114861.1413	952777.7172025076	39.49091076986416	-101.2062051	310278.8061180855	3733580.27882164	3306.22983036296	3138.4177605247718	3042.310183069546	3043.6991439566027	95.86500373974013	94.4668688460951
390	244	180210	-114201.1413	952777.7172025076	39.49091543849806	-101.2036893	310476.8705181453	3733578.241810808	3305.147124792311	3137.571571089983	3041.36471571089983	3041.36471571089983	94.673094737394	90.620441283853
391	244	180211	-113541.1413	952777.7172025076	39.49092363395487	-101.2015316	310680.8675533684	3733571.32160666	3303.668716210018	3135.510032	3039.5816840082702	3039.5816840082702	95.9490426411994	95.9422551494649
392	244	180212	-112881.1413	952777.7172025076	39.49093408775204	-101.1991944	310881.8997535359	3733567.18125383	3301.902698287134	3134.1291625777258	3038.187939	3038.187939	94.912231818354	95.67771828025454
393	244	180213	-112221.1413	952777.7172025076	39.4909417844552	-101.1968571	311082.9284818613	3733562.12989855	3300.316680234944	3132.730745879413	3036.812787760635	3036.812787760635	95.9175812730652	95.8574265
394	244	180214	-111561.1413	952777.7172025076	39.49094943296578	-101.1945199	311283.985	3733559.07883371	3300.660216784741	3131.3322259137	3035.4667595497821	3035.4667595497821	95.8269651613107	95.8269651613107
395	244	180215	-110901.1413	952777.7172025076	39.49095704235958	-101.1921628	311484.885	3733555.02678264	3300.276145873594	3129.861745873594	3034.1672253089106	3034.1672253089106	95.70390893202161	95.70390893202161
396	244	180216	-110241.1413	952777.7172025076	39.49096465551616	-101.189845	311698.0170445077	3733550.07504708	3300.14836369763	3128.4177605247718	3032.310183069546	3043.6991439566027	95.86500373974013	94.4668688460951
397	244	180217	-109581.1413	952777.7172025076	39.49097212562618	-101.1875081	311887.04216527	3733540.01061625	3300.15620105478	3126.98989410207	3031.018035686256	3031.018035686256	95.8269651613107	95.8269651613107
398	244	180218	-108921.1413	952777.7172025076	39.4909799554613	-101.1851708	312088.0765458724	3733542.873	3287.09760823814	3125.441152440693	3029.404590309655	3029.780032256467	96.0365621744148	95.6611205246227
399	244	180219	-108261.1413	952777.7172025076	39.49098702831597	-101.1828336	312289.10590375983	3733538.822767583	3324.688927420734	3123.90738322573	3027.4209793364907	3028.2035171929	96.05961108102383	95.6967168102383
400	244	180220	-107601.1413	952777.7172025076	39.49099441193568	-101.1804963	312490.1346993771	3733534.72417113	3282.932129705703	3122.388712177204	3025.6874600630583	3026.630304542587	96.7112521864557	95.7358172294517
401	244	180221	-106941.1413	952777.7172025076	39.49100170504266	-101.1781591	312691.1635164355	3733527.22277281	3321.174632020750	3120.8593489130574	3023.88837764075	3023.88837764075	96.06198223145928	95.70390893202161
402	244	180222	-106281.1413	952777.7172025076	39.4910094372465	-101.1758218	312892.1925074345	3733525.672	3278.41733207645	3119.15108956417	3022.04246	3022.04246	95.2672621907544	95.947269154173
403	244	180223	-105621.1413	952777.7172025076	39.49101694551616	-101.1735893	313093.229894464	3733520.09824644	3300.15620105478	3118.4177605247718	3032.310183069546	3043.6991439566027	95.86500373974013	94.4668688460951
404	244	180224	-104961.1413	952777.7172025076	39.49102348491295	-101.1711473	313249.2489003494	3733515.87132258	3324.74904418	3116.19732454796	3018.3181164534	3018.3181164534	95.6010709451292	94.36024601979452
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
487	244	18307	-50181.14133	952777.7170250766	36.49146395676563	-100.9771135	329978.9757005846	4373183.197905879	3114.502428701843	2987.1390909243782	2919.717027605201	2914.970400405127	64.42198163858075	72.16860519865486
488	244	18308	-49521.14133	952777.7170250766	36.49146736112837	-100.9748162	330179.9858707055	4373178.166037207	3117.887018393642	2965.563913603216	2919.2384818348555	2915.264843446165	65.3262093	71.198609258507
489	244	18309	-48861.14133	952777.7170250766	36.49147007334009	-100.9732769	330381.0280492897	4373172.16089654425	3117.2216089654425	2983.930485578199	2918.84523278199	2913.183554875794	65.11442637471282	70.1217897311748
490	244	18310	-48021.14133	952777.7170250766	36.49147040460075	-100.9701416	330582.0167124247	4373171.103030846	3124.6596167777417	2982.323685635365	2918.421234148452	2913.261664337095	63.907134140834	69.0767421744206
491	244	18311	-47541.14133	952777.7170250766	36.491472311310306	-100.9678404	331833.0292490345	4373167.071835353	3124.643090157199	2980.6665784334473	2917.9995734619965	2912.728413041076	62.70640794145075	67.9381652393367
492	244	18312	-46881.14133	952777.7170250766	36.49148055106885	-100.9654571	330984.0422490374	4373163.0458031265	3121.2322652518465	2978.97203980806	2917.0126151973213	2912.818341146442	61.95947083484576	68.5824773436391
493	244	18313	-46221.14133	952777.7170250766	36.49148375627676	-100.9631298	331185.056011274	4373159.010606205	3117.842039322293	2977.24272321049054	2915.932814622743	2909.895129636211	61.3090823962611	67.3475129239845
494	244	18314	-45561.14133	952777.7170250766	36.49148687513264	-100.9607295	331365.0637620447	4373154.97948198	3114.410675361295	2975.4770459585984	2914.732810907985	2909.153932247688	60.7422305	67.3231211092665
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ix	iy	ic3	X.Yr	Y.rT	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgrg.f	BRIElevBothKgr.f	SatHtLogKgr.f	SatHtBoth.f
613	244	18043	3278.8586730335	952777.7170250766	36.49153809072157	-100.6826546	355305.45733461226	47376.7838495465	2940.262812809849	27.6136406646428	2726.673699963807	2729.696730929847	50.4876068262109	55.46661361658107
614	244	18043	3363.8586730335	952777.7170250766	36.49153581202941	-100.6803173	355056.4517476116	47376.7233027445	2940.022183579003	27.614165842827	2726.987484911677	2730.495268514257	53.9148969694904	53.9148969694904
615	244	18043	3429.8586730335	952777.7170250766	36.4915389189045	-100.67778	355707.44662653426	47376.8827004462	2937.4615115017985	27.61558746849058	2728.874594349058	2731.492379799201	53.769392799201	53.769392799201
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617	244	18043	3561.8586730335	952777.7170250766	36.49152870504583	-100.6733054	356109.34149147763	47376.6817985338	2927.7300811655233	27.617791344578327	2726.9848186107934	2733.451957105733	52.12595158473832	54.65633694725945
618	244	18043	3627.8586730335	952777.7170250766	36.4915262457485	-100.6709681	356310.4280061541	47376.61831329027	2922.861366731925	27.61727016368996	2722.77016368996	2728.90130891926	54.5568348009956	48.42544073230455
619	244	18043	3693.8586730335	952777.7170250766	36.49152374130073	-100.6686308	356511.42173298267	47376.62509020222	2916.105089303267	27.6173367313517	2726.8550892659557	2729.15969028756	48.7991569028756	48.7991569028756
620	244	18040	3759.8586730335	952777.7170250766	36.4915213170193	-100.6662395	356712.4150343968	47376.68480482327	2918.46040004484	27.6173762161608	2716.461652260904	2725.735073315766	57.2761909	49.00225430031234
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639	244	18050	5013.8586730335	952777.7170250766	36.4914617606267	-100.621885	360531.2674000483	4737596.7615102822	2876.86070977105	27.61473201278807	2711.4686762823735	2711.05919660965	26.43625	26.436251046820191
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642	244	18052	5211.8586730335	952777.7170250766	36.491454372794248	-100.6148773	361124.32924248	4737596.765742809	2867.767963712148	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
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646	244	18066	5478.8586730335	952777.7170250766	36.49143905402655	-100.605524	361938.2005823387	4737596.761949308	2864.58478988396	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
647	244	18067	5548.8586730335	952777.7170250766	36.49143525045434	-100.6031827	362139.199040456	4737596.761949308	2863.7683260690346	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
648	244	18068	5607.8586730335	952777.7170250766	36.49143147157503	-100.6008495	362340.1901214158	4737596.761949308	2862.93103291754	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
649	244	18069	5673.8586730335	952777.7170250766	36.49142761259475	-100.5985122	362541.169498045	4737596.761949308	2861.795041718837	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
650	244	18070	5739.8586730335	952777.7170250766	36.4914237046346	-100.5961749	362742.159474003	4737596.761949308	2860.59476999947	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
651	244	18071	5805.8586730335	952777.7170250766	36.4914205918123	-100.5938376	362943.148669843	4737596.761949308	2859.37789137637	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
652	244	18072	5871.8586730335	952777.7170250766	36.49141576474804	-100.5915033	363144.138	4737596.761949308	2858.16308667382	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
653	244	18073	5937.8586730335	952777.7170250766	36.49141172516389	-100.589163	363345.1275692237	4737596.761949308	2857.05494469695	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
654	244	18074	6003.8586730335	952777.7170250766	36.4914076420882	-100.5868128	363546.116	4737596.761949308	2856.05494469695	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
655	244	18075	6069.8586730335	952777.7170250766	36.491403581202941	-100.5845715	363747.116143305	4737596.761949308	2855.05494469695	27.61495898337803	2704.150619606054	2700.59855379537	46.9877505423791	46.9877505423791
656	244	18076	6135.8586730335	952777.7170250766	36.491399353502562	-100.5821518	363948.0938715553	4737596.761949308	2854.05494469695					

ix	yy	ic59	X	Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKsg.f	BR/ElevBothK.f	SatHtKsg.f	SatHtBoth.f
73	245	180567	11678.85867307335	952777.7170250766	34.90809541226578	-100.3881579	806629.7289967404	4372173.79682819	2703.601599479396	2572.489382221428	2495.4503589821943	2492.41229	70.0230232923376	80.0779172301793	
740	244	180560	11678.85867307335	952777.7170250766	34.90809444580826	-100.388027	806800.7014	437156.817565021	2704.496768954259	2570.918961386903	2485.1152830179443	2486.601748494632	85.80370311854053	84.25983764405853	
1	245	180561	327081.1413	953437.3170250766	34.98621631140589	-101.130692	23226.896198805	4373589.09018805	3908.021794432415	3689.283192	3611.6869061440094	3612.4271014712767	70.55534470474227	70.55534470474227	
2	245	180562	3270281.1413	953437.3170250766	34.9836166340007	-101.136623	23268.10429548146	4373589.07405718	3907.227483014453	3687.1158425676973	3612.7375181869675	3615.4724786729995	73.83831069302523	71.64307769	
3	245	180563	369621.1413	953437.3170250766	34.9863269205532	-102.1083524	232669.220789558	4373589.379176205	3896.232169014433	3685.94423892819	3612.2897105107295	3613.3490321748222	72.65452788	72.59526021799675	
4	245	180564	369861.1413	953437.3170250766	34.984352223197115	-102.106155	232870.336973905	4373586.604049783	3892.900456442754	3684.767470305035	3611.4563813572463	3611.73143288481	73.13126565	73.191231502228	
5	245	180565	368301.1413	953437.3170250766	34.9863774485491	-102.1036786	233071.45685090934	4373582.407019298	3889.56858907069	3689.788479665004	3610.3296248180121	73.79738025477	73.56216979	73.42630714	
6	245	180566	367641.1413	953437.3170250766	34.98640219967636	-102.1013417	233272.5738396504	4373548.335761747	3882.394503639632	3682.3974607592036	3608.75910843647	3609.255010619837	73.6330322772686	73.14263014	
7	245	180567	366981.1413	953437.3170250766	34.986427746287085	-102.099646	233473.6956451565	4373544.20178121	3887.187548783972	3689.202764432415	3607.717046526293	3608.127739956587	73.4857379956587	73.080304598127	
8	245	180568	366321.1413	953437.3170250766	34.9864528744746	-102.099679	23374.80702485138	4373530.467588415	3892.4175251741454	3690.00126247349	3607.064251252457	3607.064251252457	73.523091725644	73.523091725644	
9	245	180569	365661.1413	953437.3170250766	34.986477863468714	-102.094331	233875.9323211772	4373530.4372822	3897.6480118524028	3678.793048593623	3605.899558687727	3606.030201869287	72.8934917085363	72.7628457243579	
10	245	180570	365001.1413	953437.3170250766	34.9865028435079	-102.091941	234077.031936993	4373531.800870734	3902.8763757544956	3677.57807592777	3604.8600428673785	3604.970101038648	72.7180327539864	72.6806455412921	
11	245	180571	364341.1413	953437.3170250766	34.98652780093654	-102.0896572	234278.15482265042	4373526.76872846	3904.72822725219	3676.356274	3603.3211906821127	3603.1949353532687	73.04828291778315	73.04828291778315	
12	245	180572	363681.1413	953437.3170250766	34.9865527069724	-102.0873203	234479.270228156	4373533.47098438	3903.241449371491	3675.127491289866	3601.115888719826	3601.165691585345	74.0118864901682	73.961871436413	
13	245	180573	363021.1413	953437.3170250766	34.98657755616152	-102.084833	234880.3850305347	4373539.401948436	3901.7400715277638	3673.89178556238	3598.690058958959	3598.7259818814258	75.10716969037	75.1653567482212	
14	245	180574	362361.1413	953437.3170250766	34.98660236449645	-102.082646	234881.500249897	4373531.28042105	3900.2398936780363	3672.5488511237705	3598.1987750317917	3598.20646895905	76.4500730592875	76.44013821782197	
15	245	180575	361701.1413	953437.3170250766	34.986627131671966	-102.0803095	235082.614664268	4373531.10096543	3898.512056843258	3671.398578089834	3593.69031869138	3593.67948607346	77.0824621675547	77.1188312785474	
16	245	180576	361041.1413	953437.3170250766	34.9866518711802	-102.0779726	235283.729204487	4373537.047601407	3890.561010219146	3670.141004704855	3591.160405263743	3591.14228930349	76.989594067329	76.92067578067458	
17	245	180577	360381.1413	953437.3170250766	34.98667562624564	-102.0756337	235484.8433215105	4373537.870436306	3884.668265200776	3668.876544833056	3588.655088062317	3588.5565952078696	80.2214637122782	80.3199430343597	
18	245	180578	359721.1413	953437.3170250766	34.98670115639156	-102.0732988	235685.9571416584	4373528.74135418	3878.6536983782373	3667.60487772529	3586.128376474729	3586.128376474729	81.176612580001	81.176612580001	
19	245	180579	359061.1413	953437.3170250766	34.986725011418994	-102.0709618	235887.0707092166	4373529.698978377	3877.3334975727022	3666.3260575764637	3583.591179547917	3583.591179547917	82.73487809163058	82.73487809163058	
20	245	180580	358401.1413	953437.3170250766	34.9867502505074	-102.0686249	236088.1845152684	4373520.47865119	3880.6396508471	3665.039485894512	3581.090274725922	3580.942368046183	83.9471396352527	84.1970212963497	
21	245	180581	357741.1413	953437.3170250766	34.9867747485481	-102.065978	236285.999941198	4373522.483377277	3873.522475892363	3664.26778934516	3579.1870781721793	3579.1870781721793	85.04729124301	85.04729124301	
22	245	180582	357081.1413	953437.3170250766	34.9867992406314	-102.063951	236490.4890424755	4373522.216703041	3872.51956582707	3662.405891996056	3576.241642363145	3575.5626755311273	86.1985553620211	86.8779226684782	
23	245	180583	356421.1413	953437.3170250766	34.986823682131674	-102.0616141	236691.5223640395	4373526.881080504	3877.785914128347	3661.1286271458885	3573.8579106062504	3573.1015416186962	87.2713075893861	88.0270855219873	
24	245	180584	355761.1413	953437.3170250766	34.986847890706386	-102.0592772	236892.6342496246	4373527.93500758	3885.457609260584	3659.808541699337	3571.346138786422	3570.29534099762	88.462404383511	89.5130212726517	
25	245	180585	355101.1413	953437.3170250766	34.98687230084927	-102.0569403	237093.7462514654	4373526.825605454	3883.1594380590754	3658.48604441123	3568.403764212388	3567.19436721988624	91.2856702383011	91.2856702383011	
26	245	180586	354441.1413	953437.3170250766	34.986896569486114	-102.0546033	237294.8583664217	4373526.69562152	3880.861200152816	3657.147674167188	3565.396116005029	3563.981342141938	91.7515875695813	93.16620212003136	
27	245	180587	353781.1413	953437.3170250766	34.9869207930075	-102.0523674	237495.899841198	4373527.6598587	3878.787288100768	3654.26778934516	3562.046823629374	3560.5449823629374	93.762894379196	95.2597247986109	
28	245	180588	353121.1413	953437.3170250766	34.98694497173759	-102.0499294	237697.18014537162	4373527.0426832	3875.844592426248	3652.475054421424	3558.475054421424	3557.253519798136	95.0974240048123	97.21237125	
29	245	180589	352461.1413	953437.3170250766	34.98696910464081	-102.047925	237898.1920228585	4373523.306867848	3875.115588039308	3653.116392271128	3558.082836031205	3558.07186706406	98.02805519	97.96424214848719	
30	245	180590	351801.1413	953437.3170250766	34.986993192683554	-102.0455256	238099.30272256167	4373529.17742637	3873.276198596457	3651.7604317112414	3552.91891847864	3552.91891847864	98.8415123259857	94.7264444170833	
31	245	180591	351141.1413	953437.3170250766	34.98701273565405	-102.0429186	238300.4132627578	4373524.80291332	3872.683468915634	3649.978826228386	3552.415127146235	3553.183403823173	97.9837990821508	87.214511980144	
32	245	180592	350481.1413	953437.3170250766	34.98704123346242	-102.0405817	238501.5234437093	4373524.920141346	3873.3349619175374	3649.02409675648	3552.303587529297	3559.470795916324	96.75584139401544	96.75584139401544	
33	245	180593	349821.1413	953437.3170250766	34.98706518613051	-102.0382447	238702.6333655947	4373526.791674483	3873.9894701915026	3647.65177777288	3551.960834744701	3567.036225815807	95.456840279837	80.0479651158987	
34	245	180594	349161.1413	953437.3170250766	34.98708990363968	-102.035978	238903.7402950452	4373527.6598587	3873.522475892363	3646.26778934516	3551.0730781721793	3551.0730781721793	96.454520036869	96.454520036869	
35	245	180595	348501.1413	953437.3170250766	34.98711256605479	-102.0335708	239104.8524329917	4373528.356373083	3874.4246725833956	3644.871873230565	3548.962417245646	3548.962417245646	98.48314558948196	80.2941668011874	
36	245	180596	347841.1413	953437.3170250766	34.98713677329287	-102.0312338	239305.96157891548	4373524.40748054	3873.346531406733	3643.746448423949	3548.819005476594	3561.672137264667	94.657493747482	81.80434755970191	
37	245	180597	347181.1413	953437.3170250766	34.98716055	-102.0288969	239507.070466551	4373520.27894025	3872.268389703783	3642.06612856206	3547.4162236107186	3559.961865312086	94.657493747482	82.1067475412548	
38	245	180598	346521.1413	953437.3170250766	34.9871842736567	-102.02656	239708.1790623706	4373526.152	3871.1902470534255	3640.653184	3545.845815228664	3545.845815228664	94.657493747482	82.7065901058055	
39	245	180599	345861.1413	953437.3170250766	34.98720795419132	-102.024223	239909.2874680514	4373525.0232303	3869.5448449421373	3639.23179759517	3544.073291327683	3555.5054695173313	95.1584702379193	83.68134324	
40	245	180600	345201.1413	953437.3170250766	34.98723159087638	-102.021861	2401.10.395852398	4373527.89842443	3867.32499633017	3637.8042855971605	3542.561304700178	3552.978171470101	95.52542699279	84.6777481305934	
41	245	180601	344541.1413	953437.3170250766	34.987256424206	-102.019687	240309.742597304	4373528.356373083	3865.844592426248	3635.9409087	3541.61857102893	3541.61857102893	96.454520036869	96.454520036869	
42	245	180602	343881.1413	953437.3170250766	34.9872782824656	-102.017122	240512.6110356578	4373527.044904343	3863.29309	3634.94461040131	3540.2347194676154	3549.115066073035	95.7098093319563	85.8295432320344	
43	245	180603	343221.1413	953437.3170250											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BR/ElevLogKrg.ft	BR/ElevBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
125	124085	-28901.1413	953437.3170250766	39.48907571573872	-01.8232396	257203.665981663	4734857.884959271	3715.7900144766963	3522.9133800926134	3386.5660391196593	3384.637015798704	3374.3734907295404	106.2762742393904	
126	124086	-28844.1413	953437.3170250766	39.48909450717452	-01.8209025	257404.7524270027	4734853.759696343	3715.866778467597	3523.4119327161205	3385.3632575560226	3374.661134795841	3374.62503746009792	106.2750573712953	
127	124087	-28791.1413	953437.3170250766	39.48911571946615	-01.8185554	257605.83861921284	4734849.8621	3674.86994275907	3521.806899764851	3384.3002597059682	3373.788978710137	3373.65204969766472	106.27469876473	
128	124088	-28721.1413	953437.3170250766	39.48913434361355	-01.8162283	257806.951657352	4734845.59327634	3708.982627404065	3520.2932406982584	3383.1648900221387	3372.890891	3371.8765169054955	106.2732509869373	
129	124089	-28661.1413	953437.3170250766	39.48915264621668	-01.8138912	258008.011760774	4734841.451329887	3706.375706877583	3518.697246278232	3382.627805805183	3381.5214625495496	3370.0670209322162	106.271758801286637	
130	124090	-28584.1413	953437.3170250766	39.489174036475504	-01.8115541	258209.0964730872	4734837.50436093	3703.76878514697	3517.08886214499	3381.773801039043	3380.336255648934	335.1506513059458	106.270646960533	
131	124091	-28514.1413	953437.3170250766	39.489193565190014	-01.8092171	258410.184296529	4734833.23597368	3701.845645081305	3515.47387041304	3380.99919227687	3378.861398383995	3374.4743867446231	106.270230957309	
132	124092	-28441.1413	953437.3170250766	39.48921304760135	-01.80688	258611.2677313163	4734829.128817683	3698.746746774057	3513.856605	3380.32300220877	3377.683937	3373.5336028385741	106.2736143432973	
133	124093	-28361.1413	953437.3170250766	39.48923246718595	-01.804549	258812.35262850312	4734825.321	3674.86994275907	3512.2495057680658	3379.74872035696	3376.5848984906	3372.557532201378	106.2725751880372	
134	124094	-28316.1413	953437.3170250766	39.48925188047612	-01.8022058	259013.3474342516	4734820.915	3698.12755638907	3510.6320754937544	3378.674905487413	3375.297546893545	3371.95807548933	106.271335429802194	
135	124095	-28250.1413	953437.3170250766	39.489271228603876	-01.7998867	259214.52224274624	4734816.807822841	3696.285497103215	3509.023191216396	3377.724794870066	3374.50737704377	3371.2939634632754	106.2701382192635	
136	124096	-28184.1413	953437.3170250766	39.4892905159615	-01.7975316	259415.6066527305	4734812.701317277	3693.840723950438	3507.417883930457	3376.367037094396	3373.015155437474	3371.0467512966492	106.269272842993	
137	124097	-28118.1413	953437.3170250766	39.489290578944383	-01.7951945	259616.6086681624	4734808.595024719	3691.39739504558	3505.80065879555	3374.51935627047	3371.4426525093307	3371.2867005918397	106.2683422848936	
138	124098	-28052.1413	953437.3170250766	39.48932002146924	-01.7928755	259817.7453451484	4734804.88481675	3688.951717716575	3504.217549515294	3372.41115131947	3369.623262686857	3371.7806234195623	106.2673468656375	
139	124099	-27986.1413	953437.3170250766	39.48933487	-01.7905204	260018.858161734	4734800.38786163	3687.134192680303	3502.601754841884	3370.047610968566	3367.328153390351	3370.4536154827272	106.2664353837326	
140	124100	-27920.1413	953437.3170250766	39.48935720211919	-01.7881833	260219.9415479638	4734796.72142604	3685.944996114834	3501.007324649856	3367.422051234394	3365.594856	3370.58747339154615	106.265497572554	
141	124101	-27854.1413	953437.3170250766	39.48938636938827	-01.7858462	260422.10470599147	4734792.17184462	3684.75549233466	3499.42009647224	3364.94378514514	3363.60373796363	3370.4726313499582	106.2646300810927	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.ftr	BRIElevBothKgs.ftr	SatHtElev.ftr	SatHtBoth.ftr
251	245	180811	-205941.1413	953437.3170250766	36.49120925277483	-101.5287589	282538.7731081844	4734341.872093712	3504.3966272076827	3363.956232390558	3206.0340395474167	3206.3281871554936	3207.1921958431425	320.6280539562216
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269	245	180829	-194061.1413	953437.3170250766	36.49145553304985	-101.4866889	283617.787197185	4734268.431327597	3476.076132	3303.7243118314873	3192.1718775408954	3189.037164380438	3207.1923265571877	321.9084277667494
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291	245	180851	-179541.1413	953437.3170250766	36.49173671763025	-101.4352697	284060.9336376544	4734179.014369775	3436.01104369775	3267.11797048515	3119.342662943421	3135.16327223735	3207.1923265571877	321.9084277667494
292	245	180852	-178881.1413	953437.3170250766	36.4917489368327	-101.4329325	284091.8840921312	4734174.69330726	3434.898339119833	3266.05335969394	3125.12047047673	3141.049084965474	3207.1923265571877	321.9084277667494
293	245	180853	-178221.1413	953437.3170250766	36.4917611845925	-101.4305917	284122.93419447	4734170.271653333	3433.78417963832	3264.97338193822	3123.74716389326	3140.716389326	3207.1923265571877	321.9084277667494
294	245	180854	-177561.1413	953437.3170250766	36.4917731231588	-101.428258	284148.02896411	4734166.544						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvgsKrg.f	BRLEvBothKrg.f	SatHtgs.f	SatHtBoth.f	
37	245	180397	-122781.1413	953437	3170250766	39.49262601818907	-101.2342639	30870.483251363	4373829.227708104	3323.206278996956	3515.570772267801	3059.964576574398	3088.9056196261956	93.6061969268283	94.66515300488527
378	245	180398	-122711.1413	953437	3170250766	39.49263343952314	-101.2312926	30870.516083730	4373825.172531144	3322.045096	35152.26746890456	3058.256660574333	3052.36176010688	94.0306632	95.9265881234282
379	245	180399	-121661.1413	953437	3170250766	39.49264277336819	-101.2298893	30872.548729436	4373796.792214249	3322.1173174361	35151.003516481122	3058.7426833896194	3050.04116647513	95.2251229119527	95.80830300361193
380	245	180400	-120801.1413	953437	3170250766	39.4926510413138275	-101.227252	30873.5811795476	4373817.002371003	3323.00787752363	35149.709401157301	3055.259139661262	3054.032690486545	94.45026149567957	95.67113210864727
381	245	180401	-120141.1413	953437	3170250766	39.4926595581936	-101.2249147	30874.613446165	4373810.008271201	3318.94470382442	35148.41790556381	3053.707287	3055.409900813996	94.703293289711	93.00488947238488
382	245	180402	-119481.1413	953437	3170250766	39.49266745234947	-101.2225774	30875.645525381	4373809.954	3317.40527668242	35147.115292	3052.27730530925	3054.382781	94.8478210260893	92.7325192106893
383	245	180403	-118821.1413	953437	3170250766	39.49267650372851	-101.2202401	3090.676774178664	4373804.899819606	3315.022530586793	35145.818368705235	3050.884353566508	3053.1272653923963	94.93274831401663	92.9545718121287
384	245	180404	-118161.1413	953437	3170250766	39.4926837095664	-101.2179028	3092.770912335545	4373800.846	3314.963881815348	35140.506740565418	3049.510637869907	3051.763962963784	94.996702	92.7428440454114
385	245	180405	-117501.1413	953437	3170250766	39.49269177103343	-101.2155655	3094.76426421233	4373796.792214249	3313.8655106943807	35143.201555518545	3047.97642347963	3050.0354681016014	95.2251229119527	95.80830300361193
386	245	180406	-116841.1413	953437	3170250766	39.4926997695928	-101.213232	3096.7917746547	4373782.7285596	3312.76719337246	35141.9847442351596	3046.6392003891	3048.555970677574	95.258461961942	93.335735538416
387	245	180407	-116181.1413	953437	3170250766	39.4927077573404	-101.2108909	3098.80312085163	4373788.68459798	3311.3106987230058	35140.584218296525	3045.370249787896	3046.195612227057	95.276635	93.8865707081686
388	245	180408	-115521.1413	953437	3170250766	39.4927156335768	-101.2085536	3100.8134804104494	4373784.63285096	3308.496188416693	35139.2676894372657	3043.9857768614054	3044.73181885494	95.28192157586013	94.53625142876163
389	245	180409	-114861.1413	953437	3170250766	39.49272356	-101.2062163	3102.824684551241	4373783.9531455	3307.681675631035	35137.942743260546	3042.6680187469647	3043.759827	94.94272451358199	94.1829162549571
390	245	180410	-114201.1413	953437	3170250766	39.49273139915158	-101.2038789	3104.89349544420777	4373782.65888899	3305.867255888274	35136.606072588274	3041.397165202028	3042.1935745523496	95.2080738674461	94.412490563511
391	245	180411	-113541.1413	953437	3170250766	39.49273919	-101.2015416	3106.8449258	4373772.4474574055	3304.1652475799824	35135.2536358661623	3040.0519127988327	3040.2154744415823	95.207172306722567	94.83906146030996
392	245	180412	-112881.1413	953437	3170250766	39.492746903430636	-101.199243	3108.9536057748	4373768.42213367	3302.57915883289	35133.882798987931	3038.7204261861137	3039.242354386417	95.1623726911729	94.6404445
393	245	180413	-112221.1413	953437	3170250766	39.4927546208715	-101.196867	3110.686386987355	4373764.370227579	3300.985684146996	35132.48911877859	3037.342121071261	3037.7817965488703	95.15008801	94.47121533
394	245	180414	-111561.1413	953437	3170250766	39.49276228892538	-101.1945297	3112.0815947391	4373760.318	3299.397524699675	35131.081295786958	3036.26502999536	3036.57602999536	95.1052679	94.81526611121626
395	245	180415	-110901.1413	953437	3170250766	39.49276988490835	-101.1921924	3114.8954056112327	4373766.266841914	3297.454373792594	35129.654994773633	3034.04900779603	3034.66889562214	95.0301099676036	94.97700512
396	245	180416	-110241.1413	953437	3170250766	39.49277746205075	-101.189551	3116.907059070315	4373752.1546523	3293.875745994654	35128.187154525738	3033.048149129874	3033.04136045224	95.1383393367518	95.14579020751489
397	245	180417	-109581.1413	953437	3170250766	39.4927848216905	-101.1875178	3118.91104360075	4373748.164300345	3290.727700700714	35126.7058979148737	3031.951019504055	3032.039553308713	95.30574959	94.61194258400024
398	245	180418	-108921.1413	953437	3170250766	39.49279246672676	-101.1851804	3120.921334973533	4373744.113466077	3287.577284255477	35125.204551582574	3029.420641464125	3030.115338	95.70374361618	95.08901395704525
399	245	180419	-108261.1413	953437	3170250766	39.49280032536316	-101.1828192	3122.94618554959	4373740.42213367	3284.717028197955	35124.261793181614	3028.456823815004	3029.3980912964513	97.10212394902	95.812913915108
400	245	180420	-107601.1413	953437	3170250766	39.49280726904396	-101.1805058	3124.941191689873	4373736.012	3283.996712592885	35122.15133787435	3028.3054834111367	3027.201911007163	93.616544324514	94.92113877
401	245	180421	-106941.1413	953437	3170250766	39.49281460770723	-101.1781685	3126.952197268744	4373731.961749234	3282.663027227003	35120.6064574538887	3027.385424856103	3025.7160325832545	96.6210325832545	94.8904308023314
402	245	180422	-106281.1413	953437	3170250766	39.492821901213766	-101.1758312	3128.962481	4373727.911638914	3281.327342118508	35119.05248564389	3022.1178376941903	3024.681839189234	95.9430108091981	94.3714095654676
403	245	180423	-105621.1413	953437	3170250766	39.49282914566897	-101.1734839	3130.972763018153	4373723.961739561	3279.491047170596	35117.93817409995	3020.246321190746	3020.246321190746	93.81675403735978	
404	245	180424	-104961.1413	953437	3170250766	39.49283632772855	-101.171156	3132.9843031378563	4373719.812051169	3277.1541234984425	35115.929972834468	3018.348448542466	3022.1947481546202	97.58152431	93.90204700802796
405	245	180425	-104301.1413	953437	3170250766	39.49284381062337	-101.1688192	3134.999324311718	4373715.9573727	3274.1717028197955	35114.261793181614	3017.456823815004	3017.456823815004	97.10212394902	95.812913915108
406	245	180426	-103641.1413	953437	3170250766	39.492851062372654	-101.166468	3137.3507359702415	4373711.713	3272.482094941131	35112.78193320857	3016.788020043	3016.788020043	94.81526611121626	94.9217164805193
407	245	180427	-102981.1413	953437	3170250766	39.492857691476274	-101.164146	3139.387255201	4373707.64251663	3268.465548910763	35111.166885565794	3012.697407589878	3016.785688715895	94.8983077919631	94.4113169942404
408	245	180428	-102321.1413	953437	3170250766	39.49286741407463	-101.1618073	3141.012414532589	4373703.615407024	3262.780203493667	35109.59917256387	3010.659713245344	3014.6659438104363	94.93376989871562	94.39376989871562
409	245	180429	-101661.1413	953437	3170250766	39.49287169152159	-101.15947	3143.0341616396169	4373699.56773307	3257.09542248615	35107.99134964257	3009.59410506856	3011.927541105344	95.2097028944005	96.06359385922269
410	245	180430	-101001.1413	953437	3170250766	39.49287862381712	-101.1571326	3145.04458554935	4373685.518350497	3251.408901205656	35106.373726136077	3007.951282748637	3009.813531913967	94.4224379832621	96.5601946324136
411	245	180431	-100341.1413	953437	3170250766	39.49288551	-101.154793	3147.054925968187	4373681.40135899	3245.72704056493	35104.748261851634	3007.894367359388	3007.894367359388	96.8465782355542	97.584075609896
412	245	180432	-99681.1413	953437	3170250766	39.49289325363816	-101.152458	3149.061218554959	4373677.42213367	3240.649286932513	35103.116913296819	3006.329007534645	3007.421278494203	95.70374361618	95.08901395704525
413	245	180433	-99021.1413	953437	3170250766	39.49289948795502	-101.1501207	3151.0745423218076	4373673.874347449	3234.7171011615497	35101.478412495304	3005.73588023815004	3003.94494544823	97.7402847	96.5345705490871
414	245	180434	-98361.1413	953437	3170250766	39.49290590148471	-101.1477834	3153.08754248132	4373679.327	3228.65451459548	35109.836923829806	3004.751057424317	3002.05702933277	97.7626844	97.7679849470369
415	245	180435	-97701.1413	953437	3170250766	39.4929126808292	-101.145446	3155.0094604361977	4373675.279	3222.64047395348	35108.38082705706	3003.756900746713	3000.733581499007	97.44739219589928	97.44739219589928
416	245	180436	-97041.1413	953437	3170250766	39.49291926941292	-101.1431087	3157.101626387742	4373671.232	3220.473448960594	35106.526315978617	2999.474901144858	2999.474901144858	97.051414375883	97.051414375883
417	245	180437	-96381.1413	953437	3170250766	39.4929258564807	-101.1407714	3159.151023394904	4373667.185293622	3218.854550454374	35104.962412584786	2998.153136774032	2998.066020502693	97.22774844446	96.944120489431
418	245	180438	-95721.1413	953437	3170250766	39.49293245677121	-101.138434	3161.127670579257	4373663.18555704	3215.295452118485	35103.1845061156187	2998.797657729256	2998.694902114853	96.3868485362679	96.29804
419	245	180439	-95061.1413	953437	3170250766	39.49293945633435	-101.1361594	3163.294518554959	4373658.42213367	3212.649286932513	35101.478412495304	2997.456823815004	2997.456823815004	97.10212394902	95.812913915108
420	245	180440	-94401.1413	953437	3170250766	39.4929454634435	-101.1337594	3165.127210251	4373655.05718965	3207.7897465794	35100.80373315534	2996.78584530965	2996.78		

ix	iy	x	Y.r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.f	BREIElevKrg.f	SatHtKrg.f	SatHtKrg.f
503	245	181063	-39621.14133	953437.3170250766	39.4932595886401	-100.3997604	33199.207552802	4733319.935774983	2947.4427868972067	2957.6559783242363	2895.2485945280147	2892.9263234745677	64.72984579596922
504	245	181064	-39661.14133	953437.3170250766	39.4932695687821	-100.337423	33340.2183353454	4733315.90740739	3087.016738703596	2955.5005825786143	2893.0004506469329	2890.827578703494	62.64730067926485
505	245	181065	-39801.14133	953437.3170250766	39.493312289740095	-100.368657	33361.2682582081	4733311.87871814	3087.315868971587	2953.51384991455	2890.66989834975	2887.5385897531947	62.70584243417699
506	245	181066	-37641.14133	953437.3170250766	39.49332389749068	-100.332743	33302.2394015649	4733307.850503098	3060.130322678166	2947.3107289921647	2884.6075023736846	2884.6075023736846	63.29075635975645
507	245	181067	-36961.14133	953437.3170250766	39.493336400069306	-100.330411	33403.2496377427	4733303.822490931	3078.6003397788104	2948.86374	2884.469999962157	2882.151363258057	64.9337401008439
508	245	181068	-36321.14133	953437.3170250766	39.49333895741188	-100.3280736	33420.2586424512	4733299.794705693	3064.6118817135942	2948.6118817135942	2880.708237640324	2879.165930917639	65.4450407507013
509	245	181069	-35661.14133	953437.3170250766	39.493343142	-100.3257363	33405.2693490307	4733295.76712147	3070.20466605122	2944.362755955717	2876.511758661877	2876.511758661877	64.9337401008439
510	245	181070	-35001.14133	953437.3170250766	39.493343484	-100.323389	33406.2796026107	4733291.79178735	3079.5058043429023	2942.160217	2871.642567661038	2870.947315139174	70.17165604212063
511	245	181071	-34341.14133	953437.3170250766	39.493346268127986	-100.321616	33407.2692550281	4733287.15258587	3078.315868971587	2941.117064096358	2869.417420888297	2869.417420888297	65.5012418
512	245	181072	-33681.14133	953437.3170250766	39.49334853704	-100.3187242	33500.2873776562	4733283.6853044	3070.851425747073	2938.409114767347	2869.042322040527	2869.042322040527	66.9898254359117
513	245	181073	-33021.14133	953437.3170250766	39.493350817157336	-100.316389	33509.3080501256	4733281.68588814	3073.231309012373	2936.881182104006	2873.1103388956024	2873.0530176466145	68.9281645739163
514	245	181074	-32361.14133	953437.3170250766	39.49335305	-100.3140495	33540.3172319506	4733275.63235612	3067.61156677727	2935.692359035836	2875.6904464903746	2875.6904490792886	69.9983131132086
515	245	181075	-31701.14133	953437.3170250766	39.49335524	-100.3117122	33535.13262	4733271.6003244	3067.58958212417	2934.647277443872	2876.951083207584	2877.026547	70.4741691168336
516	245	181076	-31041.14133	953437.3170250766	39.49335739116756	-100.3093748	33581.3305860907	4733267.57919306	3056.454686160297	2932.3140970051014	2875.8376733713258	2875.8376733713258	70.975170380387
517	245	181077	-30381.14133	953437.3170250766	39.4933594220146	-100.3070375	33603.34374712207	4733263.554	3060.34041560742	2931.3897005821484	2871.10935116461	2871.154413111345	68.67376541768653
518	245	181078	-29721.14133	953437.3170250766	39.493361548962994	-100.3047001	33621.4352302486	4733259.52833058	3066.721434248705	2930.742110485409	2867.173084455916	2867.173084455916	63.5847440033395
519	245	181079	-29061.14133	953437.3170250766	39.49336355881219	-100.302328	33645.366720851	4733255.502839986	3053.414871826875	2929.495831781618	2864.6992987107924	2864.6992987107924	64.9653307095937
520	245	181080	-28401.14133	953437.3170250766	39.4933652438898	-100.3000254	33661.3688823887	4733251.477566877	3050.40454629137	2928.240873	2863.251048139094	2862.3817168129436	64.9657762722749
521	245	181081	-27741.14133	953437.3170250766	39.49336744481346	-100.897881	33681.3768435125	4733247.45203763	3047.38490542145	2926.977075478935	2862.250214	2861.056702849347	64.7268613484361
522	245	181082	-27081.14133	953437.3170250766	39.493369320085506	-100.895307	33701.38482791325	4733247.45203763	3044.385456127133	2925.704587769352	2861.199351302195	2860.44956664278	65.2500212630695
523	245	181083	-26421.14133	953437.3170250766	39.49337115020519	-100.8930134	33721.3925630476	4733239.403	3042.647543046315	2924.4326999362174	2859.270896172714	2859.270896172714	64.7347540438353
524	245	181084	-25761.14133	953437.3170250766	39.49337295517249	-100.890676	337420.400141179	4733235.378574239	3042.181477495189	2923.4785282188	2859.270773059673	2859.16148149038	63.1563844234562
525	245	181085	-25101.14133	953437.3170250766	39.493374674987406	-100.888057	33762.4487171382	4733231.054509592	3041.02492390915	2922.63892701531	2858.39349021531	2858.39349021531	62.7811812145529
526	245	181086	-24441.14133	953437.3170250766	39.4933763694958	-100.886013	33782.241408209546	4733227.30337669	3041.2495157292933	2920.510442319114	2856.743084228434	2856.7215000149144	63.1563844234562
527	245	181087	-23781.14133	953437.3170250766	39.4933780179160076	-100.883664	338023.421925014	4733213.306352491	3040.65662296327	2919.212246864256	2855.451450177165	2855.7788436925274	63.7609759205619
528	245	181088	-23121.14133	953437.3170250766	39.49337962351783	-100.8813266	33822.42887195024	4733219.28204041	3038.936995553365	2917.882414768154	2854.2667868309487	2854.258712563262	63.15626137205254
529	245	181089	-22461.14133	953437.3170250766	39.49338118272317	-100.878989	338425.43661734	4733215.295657309	3036.721210947735	2916.54128054947	2853.85395131221	2853.776682342075	62.6515627025944
530	245	181090	-21801.14133	953437.3170250766	39.4933826967761	-100.8766159	338626.44229474083	4733211.2363897	3031.49748494013	2915.1894293889835	2854.479384176482	2854.4354662425907	60.7100518250129
531	245	181091	-21141.14133	953437.3170250766	39.4933841655967684	-100.874316	338827.4487171382	4733207.31418965	3028.274468766981	2913.828416686981	2853.36049021103	2853.36049021103	58.4585898868507524
532	245	181092	-20481.14133	953437.3170250766	39.493385559424776	-100.8719772	339027.45509110985	4733203.19669137	3027.5481324270754	2912.581324270754	2852.711031162779	2852.711031162779	54.1291095306186
533	245	181093	-19821.14133	953437.3170250766	39.49338696820495	-100.869639	339229.461262861	4733199.182112916	3025.821806875068	2911.07716698003	2855.877897209058	2856.30171	55.3502367709631
534	245	181094	-19161.14133	953437.3170250766	39.4933880146379	-100.8673025	339420.454765195	4733195.14578126	3024.094577480645	2909.60929848667	2854.375718	2854.974175795608	51.5121741069071
535	245	181095	-18501.14133	953437.3170250766	39.49338959	-100.8649562	339631.4713145697	4733191.123663926	3022.626889126	2908.293910386527	2852.2909591454313	2853.01409851897	50.0029516913217
536	245	181096	-17841.14133	953437.3170250766	39.49339032893176	-100.8626278	339832.478810277	4733187.10174957	3018.433373871814	2906.891426202706	2850.01744690137	2850.01744690137	49.569113748612378
537	245	181097	-17181.14133	953437.3170250766	39.49339200879523	-100.8602095	3399503.4843518841	4733180.00450596	3015.234179	2905.488655672304	2847.474523810813	2848.102929793678	50.0029516913217
538	245	181098	-16521.14133	953437.3170250766	39.4933938178217875	-100.857851	340224.4907476144	4733170.79106746	3012.30192390915	2904.07712128598	2845.765840011203	2845.765840011203	58.107138447754
539	245	181099	-15861.14133	953437.3170250766	39.493395559424776	-100.8555158	340405.44984567596	4733175.6037	3009.632740121427	2902.6830607671	2843.712270094616	2844.00562259693	58.6223331650792
540	245	181100	-15201.14133	953437.3170250766	39.49339633922836	-100.8532784	340636.500444801	4733171.0169036	3007.187625799347	2901.2458221278703	2841.371035927254	2842.453317056807	58.9247865174489
541	245	181101	-14541.14133	953437.3170250766	39.4933973129922	-100.850941	340837.5046953342	4733166.9532462	3005.22517793847	2899.82394334457	2839.4024537488926	2838.581810198594	61.024213314592741
542	245	181102	-13881.14133	953437.3170250766	39.49339734323135	-100.8486037	341038.579032029	4733162.97467093	3002.857406388974	2898.97872521973	2837.920804021124	2837.920804021124	57.407022066065
543	245	181103	-13221.14133	953437.3170250766	39.49339827059462	-100.8462663	341239.514345945	4733158.9542252	3000.2020624364	2896.9672861148756	2837.37131558687	2837.37131558687	56.9540512650284
544	245	181104	-12561.14133	953437.3170250766	39.49339915251367	-100.843929	341440.5188043924	4733154.3368742	3003.654741474957	2895.51833424392	2847.4422856124	2835.694977775826	59.8363346576616
545	245	181105	-11901.14133	953437.3170250766	39.49340007809847	-100.841616	341642.52110084	4733149.8414524	3000.75467635937	2892.64717037861	2837.091803779689	2835.03609444146	55.5552097308212
546	245	181106	-11241.14133	953437.3170250766	39.49340071690076	-100.839243	341842.527317736	4733146.89414524	3000.75467635937	2892.64717037861	2837.091803779689	2835.03609444146	55.5552097308212
547	245	181107	-10581.14133	953437.3170250766	39.49340152735658	-100.8369169	342043.5313601276	4733142.87433062	3000.42188790364	2891.198051079764	2835.78851864032	2830.34506121758	55.02898682186405
548	245	181108	-9921.14133	953437.3170250766	39.4934022668586	-100.8345796	342244.5352	4733138.85511431	2999.44229439358	2889.74423293374	2833.627059623366	2828.099525374794	55.1177137325506
549	245	181109	-9261.14133	953437.3170250766	39.49340288427214	-100.8322422	342445.538987466	4733134.8395402	2996.34903905495	2888.285217	2832.754764888404	2826.25711779428	55.034884880304
550	245	181110	-8601.14133	953437.3170250766	39.493403495827096	-100.829949	342646.542437243	4733130.818971782	2992.61264957518	2886.826097880126	2831.817190565185	2823.393024274445	55.0030

ix	iy	ic	X.km	Y.km	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRELEV.kg.f	BRELEV.kg.f	SurfElev.kg.f	SurfElev.kg.f
62	245	18189	4518.85867307335	9543437.317025076	39.49330908	-100.4452541	58585.2507926484	4732813.79810281	2888.6867327391936	2776.4027239825612	2706.4052794933637	2707.91341449490986	51.26696033248345	49.759094875454235
630	245	18190	4518.85867307335	9543437.317025076	39.4933063062	-100.4424217	58726.34518478085	4732809.975826306	2888.6466345853523	2755.7821821803386	2706.47725682887	2706.34961926227304	49.03434654745345	
631	245	18191	4518.85867307335	9543437.317025076	39.4933033062	-100.4406784	58827.2419383093	4732805.934684909	2888.615191963203	2753.829258438327	2704.5296519698494	2703.7236522454537	50.1583811807603	
632	245	18192	4518.85867307335	9543437.317025076	39.493299944472058	-100.4382612	5901.477318470057	4732797.96907	2890.494774568079	2751.93815095824	2704.317904776518	2701.438534147443	49.65570052005984	50.53515717879575
633	245	18193	4518.85867307335	9543437.317025076	39.49329681	-100.4359047	59329.3243319277	4732797.97125418	2891.140232394178	2750.066097021666	2704.6320240436767	2699.743327514316	49.024279584889	50.68176425083493
634	245	18194	4518.85867307335	9543437.317025076	39.49329630635516	-100.4335673	59593.301577644136	4732797.97076234	2891.34132620656	2705.41128620656	2705.4124564422086	2697.87319041655	42.71862717844738	50.2578095791051
635	245	18195	4518.85867307335	9543437.317025076	39.493293090676	-100.431223	59731.3070856964	4732789.96986044	2890.82586620448	2746.202578517892	2706.8889435482226	2696.58975841936	39.31412069726	49.6104908456643
636	245	18196	4518.85867307335	9543437.317025076	39.49328712695862	-100.4288286	59992.23925989844	4732786.98613846	2888.940762555493	2744.263395831475	2708.871502868418	2694.5562512239194	39.39232460557196	49.0784064078562
637	245	18197	4518.85867307335	9543437.317025076	39.4932830972265	-100.4265853	60289.32989925145	4732781.97850625	2886.698389904004	2742.32363383514	2711.561782149445	2696.298754304687	30.7615812340687	46.046123759789
638	245	18198	4518.85867307335	9543437.317025076	39.49328044722744	-100.424218	60534.2802	4732777.967	2883.1305255157	2740.380581032379	2715.06890117726	2709.50619119635	25.71378045535345	30.8743898549431
639	245	18199	4518.85867307335	9543437.317025076	39.4932770397695	-100.4218806	60803.5270974233	4732776.95861081	2879.962133720474	2738.407099621533	2715.566142061097	2715.85836664422	22.807653004362	21.853515297171056
640	245	18200	4518.85867307335	9543437.317025076	39.4932735075983	-100.4195433	60736.2616102778	4732769.96681738	2876.19046263002	2736.493799672996	2704.627816588102	2709.416814507176	72.865983091747	27.07778112265827
641	245	18201	4518.85867307335	9543437.317025076	39.49327008919784	-100.4172059	60937.2521122928	4732769.96681738	2872.481978188979	2737.0305223028326	2710.2305223028326	2703.379874685218	26.258474458802	31.1711103007693546
642	245	18202	4518.85867307335	9543437.317025076	39.493266148366	-100.4148686	61138.242404964	4732761.967168881	2868.64711248673	2732.610836	2696.621794182593	2697.829840478925	35.9890242671715	34.78099601
643	245	18203	4518.85867307335	9543437.317025076	39.49326296	-100.4125312	61339.327150562	4732761.967168881	2868.961330478963	2730.67556577836	2691.42898959066	2692.023309390746	38.6527278756526	49.0784064078562
644	245	18204	4518.85867307335	9543437.317025076	39.4932593469877	-100.4101939	61540.2228162334	4732753.9635817	2867.36141988045	2728.747907203667	2698.714840938616	2687.0559010501374	41.972967650507	41.69200597020275
645	245	18205	4518.85867307335	9543437.317025076	39.49325546622805	-100.4075516	61741.2127841861	4732749.969267008	2867.16159082017	2726.827816962534	2698.243009797624	2687.1746404238142	44.29398372262934	44.6532127
646	245	18206	4518.85867307335	9543437.317025076	39.4932519260517	-100.4058892	61942.206191602	4732745.97	2868.16159082017	2726.827816962534	2698.243009797624	2687.1746404238142	44.29398372262934	44.6532127
647	245	18207	4518.85867307335	9543437.317025076	39.493248153830145	-100.4031819	62143.19232133054	4732741.97120265	2867.01628256327	2723.02356894718	2674.420278677607	2673.4860506408723	45.99627117031105	49.53415137991942
648	245	18208	4518.85867307335	9543437.317025076	39.49324433902965	-100.4004445	62344.1818909093	4732737.973245217	2864.3253599989	2721.132813586569	2670.79950260327	2667.61368893465	53.3037626	53.5191426
649	245	18209	4518.85867307335	9543437.317025076	39.4932404802365	-100.3980572	62545.1713281095	4732733.97489044	2861.63489	2707.156791595974	2667.3304048711313	2663.7037520373854	51.92630504962484	56.159304712215902
650	245	18210	4518.85867307335	9543437.317025076	39.4932365795221	-100.3951698	62746.103631276	4732733.97489044	2858.9417877497814	2717.3912854909	2664.256186279317	2657.0584575976327	53.1348667176725	60.332779619565
651	245	18211	4518.85867307335	9543437.317025076	39.4932327208647	-100.3923471	62949.9871337167	4732724.02304952	2856.187288329179	2707.156791595974	2664.256186279317	2657.0584575976327	53.1348667176725	60.332779619565
652	245	18212	4518.85867307335	9543437.317025076	39.4932283257298	-100.3891451	63148.138847545	4732721.981473663	2853.94960216852	2713.69240485553	2658.92012905774	2644.61850751973	54.7272641778929	69.0756404058109
653	245	18213	4518.85867307335	9543437.317025076	39.4932245928518	-100.3859158	63349.1275717006	4732717.984052884	2851.51524028057	2711.8595107717683	2656.876877999703	2638.500055270055	54.8825229778609	73.5885684476286
654	245	18214	4518.85867307335	9543437.317025076	39.49322058145285	-100.3826205	63550.1165352575	4732713.96840305	2848.08163840165	2710.034389205767	2655.873547703387	2648.628041862766	54.16097121707754	61.40642934281124
655	245	18215	4518.85867307335	9543437.317025076	39.49321637815306	-100.3794881	63751.1051827437	4732709.988987804	2845.7251943194383	2708.216786437273	2655.8795760471276	2654.951428890526	53.76321069634475	63.264294541974
656	245	18216	4518.85867307335	9543437.317025076	39.4932123003905	-100.3761458	63962.930969006	4732705.93	2841.44633	2706.40889434777	2656.09366339332	2655.01247320355	50.1394187044265	51.3946730771917
657	245	18217	4518.85867307335	9543437.317025076	39.4932087811589	-100.3728864	64153.9326994336	4732701.986476929	2837.187288329179	2707.156791595974	2656.09366339332	2655.01247320355	50.1394187044265	51.3946730771917
658	245	18218	4518.85867307335	9543437.317025076	39.49320471754876	-100.369139	64358.00081229	4732698.00081229	2834.00081229	2702.81076809033	2654.811910822	2710.620241018	49.988519171304	50.1461616974052
659	245	18219	4518.85867307335	9543437.317025076	39.4931994666549	-100.3751338	64555.058464178	4732694.00313278	2835.455768399674	2701.024234036323	2652.701024085893	2648.327858934495	48.322315782236	52.69638412873376
660	245	18220	4518.85867307335	9543437.317025076	39.493195091226	-100.3727964	64756.0648571226	4732690.00754103	2829.869658695754	2699.245209955126	2646.688307726167	2642.89120934681	45.5653791826648	56.3539158942034
661	245	18221	4518.85867307335	9543437.317025076	39.4931906500786	-100.3704591	64957.03433232806	4732686.012	2829.28396482754	2697.4354559696	2646.641852468375	2636.48714727256	50.880301285903	60.9860371690186
662	245	18222	4518.85867307335	9543437.317025076	39.4931862395146	-100.3681217	65158.0220523094	4732682.01662036	2828.690620956316	2696.70862240178	2642.519792910663	2633.236932	53.1889691321267	62.4717700069916
663	245	18223	4518.85867307335	9543437.317025076	39.4931817174301	-100.365784	65359.009	4732678.021329125	2825.1674488858523	2693.964070670004	2638.47185811041	2632.333709847374	54.527213897044265	61.6167846
664	245	18224	4518.85867307335	9543437.317025076	39.49317717632545	-100.3634471	65559.9871337167	4732674.02304952	2825.1674488858523	2693.964070670004	2638.47185811041	2632.333709847374	54.527213897044265	61.6167846
665	245	18225	4518.85867307335	9543437.317025076	39.4931725948709	-100.3611097	65760.964867113	4732670.81	2824.260292708794	2693.964070670004	2638.47185811041	2632.333709847374	54.527213897044265	61.6167846
666	245	18226	4518.85867307335	9543437.317025076	39.4931676820504	-100.3587724	65961.9170481295	4732666.0362784	2822.602371398423	2688.71404179754	2636.769944607586	2628.963903958912	47.14571955721832	59.75019452086326
667	245	18227	4518.85867307335	9543437.317025076	39.4931632638916	-100.356435	66162.9587944227	4732662.04208774	2821.4276751738	2687.9109844747	2623.37603488907	2629.4824733578143	63.0036305196249	57.49428458931404
668	245	18228	4518.85867307335	9543437.317025076	39.4931585794201	-100.3540977	66363.3457516327	4732658.04795415	2818.743620589142	2685.2486642426	2620.246587169104	2629.627402846807	55.0127925732252	55.962365762208
669	245	18229	4518.85867307335	9543437.317025076	39.49315381730026	-100.3517604	66564.9328872127	4732654.053714839	2818.0447042175315	2683.935290328717	2617.2317094515815	2627.934898431329	62.8708780	
670	245	18230	4518.85867307335	9543437.317025076	39.4931490027789	-100.3494423	66765.9192504781	4732650.05842906	2805.352754376147	2681.7924172340504	2614.548719086622	2627.934898431329	67.2052014543349	68.764523404446
671	245	18231	4518.85867307335	9543437.317025076	39.49314419684845	-100.347103	66967.9192504781	4732646.05842906	2803.352754376147	2681.7924172340504	2614.548719086622	2627.934898431329	67.2052014543349	68.764523404446
672	245	18232	4518.85867307335	9543437.317025076	39.49313926007259	-100.3447844	67167.8923181938	4732642.073	2801.377056817497	2678.341071026817	2610.6410248545	2616.003497717696	67.84635792	62.3376545057813
673	245	18233												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	WatTlogs.ft	SatTbothKgrg.ft
15	24	18315	-367101.1413	954097.3170250766	39.48843983159236	-102.0803414	235086.7572679098	473575.1421366599	3893.5326135359423	3893.1432103053435	3993.085004189337606	377.00729317399264	77.06148150875551	
16	24	18316	-361041.1413	954097.3170250766	39.48845452277225	-102.0780044	235267.8179756815	4735758.32861598	3888.940508	3886.890391516384	3990.725257707766	390.6427712020603	76.14696371481781	
17	24	18317	-360281.1413	954097.3170250766	39.4884602781282	-102.0759264	235468.9656247208	4735504.182	3883.3485213981275	3882.1414803176	3988.12614866781	395.7244167748684	75.49486918358566	
18	24	18318	-359721.1413	954097.3170250766	39.48851385821004	-102.0733305	235600.0980770258	4735500.05	3876.756477887662	3668.94342836806	3585.7578523223297	358.5845011515034	80.5900661627633	
19	24	18319	-358601.1413	954097.3170250766	39.48853843468904	-102.0709935	235891.212132372	4735496.93	3875.318514903828	3665.0664394131154	3583.2224729933234	358.9829690321666	81.84401147919797	
20	24	18320	-358401.1413	954097.3170250766	39.4885629383615	-102.0686565	236092.3252947036	4735491.80150209	3863.7766230701937	3580.711205201679	3580.4128563293505	363.056303504362	83.36238298	
21	24	18321	-357741.1413	954097.3170250766	39.488617856253	-102.0663198	236293.438	4735487.670197253	3882.7658813414293	3662.478588161403	3578.2581932548387	357.6219248496548	84.2203940656245	
22	24	18322	-357081.1413	954097.3170250766	39.48871192839036	-102.0638285	236484.55067326193	4735483.531094669	3886.4686726401125	3661.1720915645137	3575.780728449253	357.64725617568797	85.19952380763401	
23	24	18323	-356421.1413	954097.3170250766	39.48876052617282	-102.0618456	236695.926077546	4735478.898229896	3885.8576833061725	3569.8576833061725	3573.627031081633	357.444167748684	85.437105456978	
24	24	18324	-355761.1413	954097.3170250766	39.48880592654616	-102.0593086	236896.7750733394	4735475.27756922	3885.476513242548	3558.53556529865	3570.680401070785	356.91053652727	87.481851188752	
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26	24	18326	-354441.1413	954097.3170250766	39.48877927633014	-102.0546346	237298.9982955723	4735467.018683375	3881.67621370269	3565.8693762024471	3565.036977076441	3563.6817887129528	90.8232991428992	
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63	24	18363	-330021.1413	954097.3170250766	39.4895750478555	-101.9681846	244							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
141	246	181441	-278541.1413	954097.3170250766	36.49119914009321	-171.7858707	260425.1388880831	3474993.46583086	3848.180452	3346.818228589009	3364.873667569295	3364.2214709081936	33.74456092397953	33.744560769801543
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143	246	181443	-277221.1413	954097.3170250766	36.4912316017252	-171.781616	260827.300498182	3474985.57544688	3846.991879473204	3365.48963691935	3359.54930798853	33.74578002929044	33.74578002929044	130.8027803536847
144	246	181444	-276561.1413	954097.3170250766	36.4912561023021	-171.778593	261028.3662277633	3474981.13964173	3847.043094679959	3363.9042300240263	3356.452344708149	33.7457209335877	33.7457209335877	136.731365872224
145	246	181445	-275901.1413	954097.3170250766	36.4912749966789	-171.7765221	261229.46828473466	3474977.04482176	3847.185962532068	3492.4073617204836	3353.620965765399	33.74569148222838	33.74569148222838	138.78639595508457
146	246	181446	-275241.1413	954097.3170250766	36.4912833816954	-171.774185	261430.549989006	3474972.204214031	3849.842681024107	3350.703377927154	3352.011781585456	33.74618090309536	33.74618090309536	137.477891686516
147	246	181447	-274581.1413	954097.3170250766	36.4913126859172	-171.7718478	261631.63151347893	3474968.532821232	3847.3731546789223	3489.3713154678923	3347.727080437756	33.7483695057503495	33.7483695057503495	140.40628713940752
148	246	181448	-273921.1413	954097.3170250766	36.49133140231555	-171.7695106	261832.172926706	3474964.31640055	3847.319940779122	3847.868831967596	3344.551151091208	33.74591250519318	33.74591250519318	141.977680873683
149	246	181449	-273261.1413	954097.3170250766	36.49135012687658	-171.767175	262033.7936389887	3474960.52761911	3846.987324226105	3485.276234226105	3341.182600754683	33.74519371427815	33.74519371427815	142.10184298685126
150	246	181450	-272601.1413	954097.3170250766	36.4913689034995	-171.764835	262234.5746457509	3474956.523918953	3847.214042226095	3484.921770437402	3338.04004412231	33.748352593702534	33.748352593702534	146.365273967848
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154	246	181454	-269961.1413	954097.3170250766	36.49144034266374	-171.7554876	263039.1956336703	3474940.11032445	3840.652963905715	3479.074881762772	3346.32056285841	33.7483432521327048	33.7483432521327048	152.73452347690372
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159	246	181459	-266661.1413	954097.3170250766	36.4915381976239	-171.7438018	264044.5913873536	3474919.598718653	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	157.72644009341784
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168	246	181468	-260721.1413	954097.3170250766	36.49169717431399	-171.7227672	265854.289364903	3474882.69722342	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	166.72644009341784
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172	246	181472	-258081.1413	954097.3170250766	36.491768158071096	-171.7134184	266658.593141584	3474868.256223635	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	170.72644009341784
173	246	181473	-257421.1413	954097.3170250766	36.49178579114309	-171.7110812	266859.688757195	3474864.19638836	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	171.72644009341784
174	246	181474	-256761.1413	954097.3170250766	36.49180337906805	-171.708744	267060.7442075123	3474860.08	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	172.72644009341784
175	246	181475	-256101.1413	954097.3170250766	36.49182092184595	-171.706408	267261.8191028956	3474855.99288034	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	173.72644009341784
176	246	181476	-255441.1413	954097.3170250766	36.49183841947675	-171.704196	267462.8038140819	3474851.9038140819	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	174.72644009341784
177	246	181477	-254781.1413	954097.3170250766	36.49185657199643	-171.7017324	267663.9683	3474847.80378915	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	175.72644009341784
178	246	181478	-254121.1413	954097.3170250766	36.4918732796954	-171.6993352	267865.0428371836	3474843.70527719	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	176.72644009341784
179	246	181479	-253461.1413	954097.3170250766	36.49189064148626	-171.697058	268066.1162166	3474839.707711418	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	177.72644009341784
180	246	181480	-252801.1413	954097.3170250766	36.491907958528365	-171.6947208	268267.19077734463	3474835.103407115	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	178.72644009341784
181	246	181481	-252141.1413	954097.3170250766	36.491925523042322	-171.6923836	268468.2644043087	3474831.0193491	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	179.72644009341784
182	246	181482	-251481.1413	954097.3170250766	36.49194357172234	-171.6900484	268669.337803139	3474827.12308149	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	180.72644009341784
183	246	181483	-250821.1413	954097.3170250766	36.49196142877086	-171.6877431	268870.419736905	3474823.161256147	3840.6617881166235	3472.12172973452	3342.4720534186567	33.7483432521327048	33.7483432521327048	181

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SatfThKgr.f	SatfBoth.f
267	246	181567	-19581.1413	954097.3170250766	39.49324711406082	-101.4913806	28579.763964471	4374477.853739427	3406.68895957237	3307.4032768290576	3193.2856820860197	3197.96536238872	114.1175947403379	109.4449590018568
268	246	181568	-19472.1413	954097.3170250766	39.49325550802591	-101.489434	28580.8184920383	4374473.75980123	3478.45834055994	3305.510748449833	3193.112258907412	3196.396277	112.3979490375691	109.4449590018568
269	246	181569	-19406.1413	954097.3170250766	39.49326385698262	-101.4867161	28616.872098137	4374469.689633037	3478.307865014343	3305.618337819263	3192.635878192634	3191.2863278929934	111.2863278929934	109.4449590018568
270	246	181570	-19340.1413	954097.3170250766	39.49327105067051	-101.4843868	28632.9269152486	4374465.613861635	3477.132495054594	3301.724090044205	3192.306240542964	3190.7307006419796	109.4477688972408	111.0203087862541
271	246	181571	-19274.1413	954097.3170250766	39.49327841902533	-101.4820315	28653.86081266123	4374461.54035497	3477.2643962150926	3302.68371916763795	3191.083822	3190.231306328547	108.76533692815095	109.6056883135275
272	246	181572	-19208.1413	954097.3170250766	39.493287098239171	-101.4796942	28675.03495534	4374457.462565026	3475.704591389314783	3191.4762930004755	3191.143555004755	3191.143555004755	106.8158326290542	108.76533692815095
273	246	181573	-19142.1413	954097.3170250766	39.49332110060816	-101.4773569	28696.087976745	4374443.38466748	3470.140845320472177	3191.4251182761586	3190.27070985764	3190.27070985764	104.66911579625912	104.9072697384313
274	246	181574	-19076.1413	954097.3170250766	39.49333417367465	-101.4750196	28716.1412445043	4374449.387080648	3467.5276729185	3192.246662281147	3191.17689224914	3189.543023877335	103.6079370666238	104.7032641077929
275	246	181575	-19010.1413	954097.3170250766	39.493347021591135	-101.4726823	28738.194303371	4374445.23660724	3465.1215496841103	3192.426855728055	3188.1648531562246	3185.849381225894	103.256021155894	108.773943442914
276	246	181576	-18944.1413	954097.3170250766	39.493359194357006	-101.470345	28759.2471524886	4374441.134444966	3462.765632716423	3192.601373052503	3186.2557080713	3180.08464587708	103.094775274493	110.5365080681221
277	246	181577	-18878.1413	954097.3170250766	39.49337312197402	-101.4680077	28777.29979312094	4374437.07695368	3460.417377061423	3188.83308839353	3183.8259184965663	3173.782514	102.90730534683	115.0707943845281
278	246	181578	-18812.1413	954097.3170250766	39.49339601444036	-101.4656705	28791.3522521248	4374433.000157918	3458.058909554087	3187.1220507204494	3180.893474741555	3184.8383506447155	106.2227032462938	116.68321567369912
279	246	181579	-18746.1413	954097.3170250766	39.49339886175663	-101.4633332	28812.4044847036	4374428.92336216	3456.959698	3185.429731751575	3177.983202272806	3163.60446154276	107.4652529742458	121.48252959729921
280	246	181580	-18680.1413	954097.3170250766	39.49341166237624	-101.4609959	28837.5465406306	4374424.877419445	3457.17580178132	3174.857684893167	3170.98714831269	3160.9581905461956	102.779679627596	121.48252959729921
281	246	181581	-18614.1413	954097.3170250766	39.4934242093877	-101.4586586	28854.5082714107	4374420.77818406	3457.25170059437	3162.164444479603	3171.455073337036	3159.4727654122185	100.70877114259675	122.75207390736433
282	246	181582	-18548.1413	954097.3170250766	39.493437132804504	-101.4563213	28875.558970952	4374416.696129485	3457.389201616114	3170.98714831269	3167.849778442034	3160.302898037407	112.7412303373585	120.2881197403581
283	246	181583	-18482.1413	954097.3170250766	39.493449799520235	-101.453984	28897.6112628807	4374412.62065677	3455.704584043267	3172.904036075817	3164.0143564066484	3159.23818522044	115.034836692334	118.818218454314
284	246	181584	-18416.1413	954097.3170250766	39.4934624106585	-101.4516467	28917.6624473041	4374408.130665147	3452.167843259814	3172.5364130665147	3159.2167515197157	3159.2167515197157	118.3196618896024	115.07139031742752
285	246	181585	-18350.1413	954097.3170250766	39.49347498750083	-101.4493094	28937.7314247805	4374404.470335367	3448.631111622435	3176.05111871534	3153.7302483313138	3157.082471450383	122.3206534022022	118.9664042115112
286	246	181586	-18284.1413	954097.3170250766	39.49348732876576	-101.4469721	28959.76419514726	4374401.354394851	3447.594197476425	3172.4248986137074	3153.137521259755	3127.3665913271744	121.45239696044938	
287	246	181587	-18218.1413	954097.3170250766	39.49350001	-101.4446348	28980.8147587348	4374403.320866417	3442.329348419833	3173.1569890491887	3158.972298	3147.7378214670815	113.2848206445846	125.4191589413077
288	246	181588	-18152.1413	954097.3170250766	39.49351245585089	-101.4422975	28991.8652156527	4374392.246	3440.336030871283	3171.5455024585089	3141.6454835891058	3140.002452997515	110.2622064619326	
289	246	181589	-18086.1413	954097.3170250766	39.49352485165486	-101.439821	29018.92133663815	4374398.122437831	3438.132282382	3170.115686874	3142.02784382654	3137.11036306244	114.83692554589	116.7703781023092
290	246	181590	-18020.1413	954097.3170250766	39.49353720232454	-101.4376229	29033.96531082253	4374384.09251498	3436.349355341874	3168.92593	3131.0619108140495	3131.0619108140495	115.923276802024	105.0837039287843
291	246	181591	-17954.1413	954097.3170250766	39.49354950784167	-101.4352856	29058.01504035103	4374380.042741313	3434.747697063814	3166.829231	3127.822334669291	3127.822334669291	155.243721132758	
292	246	181592	-17888.1413	954097.3170250766	39.49356176820444	-101.4329483	29076.06458212924	4374375.95003169	3432.72761770025	3166.2810974657655	3118.292812474493	316.296632	147.988249912724	129.946458895942
293	246	181593	-17822.1413	954097.3170250766	39.49357398341685	-101.430611	29098.7113909361	4374370.753847059	3430.6298656957982	3129.41533026582	3161.798341019353	3161.798341019353	123.10344640454	
294	246	181594	-17756.1413	954097.3170250766	39.493586153487676	-101.4282736	29118.1863125562	4374367.804402798	3429.227459183985	3163.551898337	3139.083977716687	3165.51311710229047	124.45798121650578	107.03847191407225
295	246	181595	-17690.1413	954097.3170250766	39.49359812259676	-101.4259563	29139.2119480167	4374363.234707817	3428.236282722855	3162.134218748618343	3138.1744853478	3165.7538149746152	114.1175787476982	
296	246	181596	-17624.1413	954097.3170250766	39.4936103558115168	-101.4236799	29159.2600559684	4374359.6750897	3427.0457732916	3161.1718229716	3134.0175829916	3145.5401859948	116.7703781023092	
297	246	181597	-17558.1413	954097.3170250766	39.49362239	-101.4212617	29179.391666612	4374355.58642723	3427.726396407635	3159.21744686175	3145.183660607233	3145.183660607233	113.85470280032672	
298	246	181598	-17492.1413	954097.3170250766	39.49363438222148	-101.4189244	29192.3574995552	4374351.53946773	3427.555176135137	3157.7530284368836	3143.732506971093	3142.766746579073	115.1129495589033	
299	246	181599	-17426.1413	954097.3170250766	39.49364632653078	-101.4165871	29219.4055678381	4374347.441862712	3426.4227001702825	3146.768469987443	3142.1045144585073	3140.5145981461337	114.1393625403695	115.7829788261054
300	246	181600	-17360.1413	954097.3170250766	39.49365825268949	-101.4142498	29234.9453462017	4374343.37	3430.38552206912	3154.858121042777	3140.641109065773	3138.055811437104	114.217011436714	116.7997986148293
301	246	181601	-17294.1413	954097.3170250766	39.49367007969759	-101.4119725	29259.5011522596	4374339.286330523	3435.33639694313	3153.40391878472	3138.898226732445	3136.067979964268	114.53321651460278	117.376111914186
302	246	181602	-17228.1413	954097.3170250766	39.49368212259676	-101.4096821	29280.12613663815	4374335.122437831	3434.3115686874	3152.02784382654	3137.11036306244	3135.15413692654	114.83692554589	
303	246	181603	-17162.1413	954097.3170250766	39.49369362256187	-101.4073279	29297.59592198144	4374331.155646198	3433.135894444	3150.938768731802	3136.302954769893	3134.909118757835	115.2974731854158	116.54652878462309
304	246	181604	-17096.1413	954097.3170250766	39.49370570817798	-101.4049005	29318.6430017976	4374327.08462196	3434.822729696218	3149.2705794903873	3133.574414058231	3133.258917979554	115.6961632415626	110.61166151083316
305	246	181605	-17030.1413	954097.3170250766	39.49371704422339	-101.4025632	29339.689	4374323.013809669	3434.5094748479395	3147.920143777619	3131.954166242364	3132.1264490298	115.969775325652	115.79448966952429
306	246	181606	-16964.1413	954097.3170250766	39.49372867248106	-101.4002259	29360.7365524059	4374318.943209308	3434.1962201939607	3146.580237376946	3130.161978014214	3130.965895836665	116.4260451192823	115.62203805218901
307	246	181607	-16898.1413	954097.3170250766	39.4937402558199	-101.3978886	29380.78302360595	4374312.87028075	3432.8240119719126	3145.237379	3128.4419724628997	3130.390493689295	114.83811644821025	114.9428450227804
308	246	181608	-16832.1413	954097.3170250766	39.49375179351357	-101.3956513	29402.8292925337	4374310.80244361	3430.935179762842	3126.694373168586	3129.16719243817	3127.726659409564	114.8091813810333	
309	246	181609	-16766.1413	954097.3170250766	39.493763259676	-101.3933876	29424.921223256	4374308.629627054	3430.531153812261	3124.4785192816	3125.115413692654	3125.115413692654	114.83692554589	
310	246	181610	-16700.1413	954097.3170250766	39.49377473398908	-101.3911279	29440.921223256	4374313.155646198	3433.135894444	3150.938768731802	3136.302954769893	3134.909118757835	115.2974731854158	116.54652878462309
311	246	181611	-16634.1413	954097.3170250766	39.49378613648979	-101.3885393	29460.566885887	4374298.93386247	3423.258781942935	3124.00717490385				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBtch.kg.ft	SatThSfLogs	SatThBtch
329	246	181693	-112221.1413	954097.3170250766	39.45456749133523	-101.1968769	311091.044151296	4373965.61362684	3301.656480589795	312.2553691764224	3037.9979946679655	3038.573238190139	34.25737451	93.68213098628348
330	246	181694	-111561.1413	954097.3170250766	39.45457514628316	-101.1943598	311292.073710772	4373961.559	3300.5138426712584	3130.4845468126502	3036.5352468612854	3037.0623889218474	34.10408850434268	93.78644663845465
331	246	181695	-110901.1413	954097.3170250766	39.45458276692004	-101.192422	311463.1032172334	4373957.5076118473	3301.781162092342	3129.416731714554	3034.958734759347	3035.722721	34.45760339552069	93.69351572475323
332	246	181696	-110241.1413	954097.3170250766	39.45459320617355	-101.1948368	311684.13247137057	4373953.45603223	3294.504117466094	3127.956149515663	3033.28042569791	3034.0787989335	34.6775345825712	93.87775454231149
333	246	181697	-109581.1413	954097.3170250766	39.454597874007328	-101.1875274	311895.16154486395	4373949.404705776	3291.2985111146645	3126.4709842375373	3031.479620609599	3032.474322623629	34.99913636363815	93.99674797514444
334	246	181698	-108821.1413	954097.3170250766	39.45460314337679	-101.1851901	312096.19043447043	4373945.354	3288.056907566344	3124.96371276174	3029.677333368138	3030.99808281567	35.286357936014	93.965783936014
335	246	181699	-108261.1413	954097.3170250766	39.45461274352786	-101.1828527	312297.21914019634	4373941.302644478	3285.97916243344	3123.47978814144	3027.803202939728	3029.51793292975	35.6341578541499	93.9199888116837
336	246	181700	-107601.1413	954097.3170250766	39.45462012725266	-101.1805153	312488.2476624873	4373937.25193012	3283.0562961330263	3121.897040382606	3025.91512406642	3028.012099440874	35.98112843	93.89449137986323
337	246	181701	-106941.1413	954097.3170250766	39.45462746692785	-101.1781778	312689.276	4373933.012776235	3284.1514230246453	3120.345393101646	3024.089713647071	3026.587118947019	36.2556295779643	93.87162315483043
338	246	181702	-106281.1413	954097.3170250766	39.45463475206635	-101.1754804	312900.3041571536	4373929.15136405	3283.2374591916253	3118.7752833984	3022.72255172811	3025.587987344413	36.5584966117315	93.1977505095428
339	246	181703	-105621.1413	954097.3170250766	39.45464020860756	-101.1735032	313101.3321300711	4373925.10105605	3281.655019	3117.2204938906184	3020.35028	3025.0332579272816	36.921871009859145	92.18701009859145
340	246	181704	-104961.1413	954097.3170250766	39.45464921199627	-101.1711758	313302.3599	4373921.051186848	3279.403288092431	3115.65141242225	3018.489061245945	3024.489082476415	37.16245511763054	91.1624587667991
341	246	181705	-104301.1413	954097.3170250766	39.45465637023246	-101.1688284	313503.38752779376	4373917.01528791	3277.185213707885	3114.080354435213	3016.4879005458735	3024.18756005398375	37.592454577749103	91.05176077149103
342	246	181706	-103641.1413	954097.3170250766	39.45466348331612	-101.1664911	313704.414953131	4373912.952	3275.6591405045927	3112.502958	3014.6937109332107	3022.5232461897	37.80924683039359	91.0517602162303
343	246	181707	-102981.1413	954097.3170250766	39.454670551247225	-101.1641537	313905.4219453124	4373908.303	3274.675991843473	3110.916339136014	3013.108362667255	3019.4184719237287	37.901765263973059	91.0517603082522
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372	246	181736	-83841.1413	954097.3170250766	39.45485657983821	-101.0963696	319735.154059615	4373791.56807214	3200.3325201	3066.2213794112	2986.822622546145	2986.822622546145	37.61848303347102	95.5802228
373	246	181737	-83181.1413	954097.3170250766	39.4548619318711	-101.0940322	319936.1795338447	4373787.52390515	3200.3325201	3065.34653488966				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRElevLogs.ft	BRElevBothKg.ft	SatHtLogs.ft	SatHtBoth.ft
519	246	181819	-29061.14133	954097.3170250766	39.456176451563806	-100.9023654	396419.39082840964	4373456.722480171	3056.4347850410973	2929.273669176727	2865.5664323864203	2864.7394737526584	70.70723679032454	64.54321421
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521	246	181821	-27141.14133	954097.3170250766	39.45618031766479	-100.8978698	386381.40684916736	4373445.611827653	3050.340031876253	2928.79334898278454	2862.408098215484	2862.408098215484	63.9002284104349	64.5236902969
522	246	181822	-27081.14133	954097.3170250766	39.45618219298498	-100.8953351	370222.4141	4373444.646816657	3047.29048047096	2925.53828498987	2861.615084312393	2861.9881868813472	63.93198575172415	63.5500961761972
523	246	181823	-26421.14133	954097.3170250766	39.45618402315162	-100.8930157	337223.4218366069	4373440.620219524	3045.20080686339	2924.2737323854055	2860.408068432744	2861.033375778075	63.866862402186055	63.24035707
524	246	181824	-25761.14133	954097.3170250766	39.45618580816472	-100.8906783	337424.4291923322	4373436.59724145	3044.9045329246916	2923.0044721006614	2859.444571667484	2859.444571667484	63.5591793031006	62.8179270426396
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526	246	181826	-24441.14133	954097.3170250766	39.45618924273029	-100.8860035	337826.4434315246	4373428.584742255	3043.70577242696	2920.426387471013	2857.87021937084	2858.4326678167006	64.55563483710735	61.99347058600734
527	246	181827	-23781.14133	954097.3170250766	39.45619088228278	-100.8836661	338027.4554188615	4373424.526138616	3042.181916	2919.121078694576	2855.36023665402	2856.222989	63.8968191159973	59.5386819159973
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533	246	181833	-20481.14133	954097.3170250766	39.4561984817281	-100.8699416	339233.4882520258	4373400.3826409	3028.5502023475665	2911.6666066026475	2862.50862967133	2862.50862967133	63.950713013	48.085608126749
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535	246	181835	-18501.14133	954097.3170250766	39.45620043817427	-100.8649658	339635.4997	4373392.34795534	3024.156672000125	2908.307262676503	2858.05102999845	2856.239394474981	63.2256058165191	52.0678820152183
536	246	181836	-17841.14133	954097.3170250766	39.45620370634468	-100.8626294	339836.50521411665	4373388.1726063	3020.850745275287	2906.919095306788	2857.073083306064	2852.701404506586	64.004212671822	54.2176979931916
537	246	181837	-17181.14133	954097.3170250766	39.45620490436145	-100.860292	340037.5105343815	4373384.29666629	3017.5444754439324	2905.527612621337	2848.722640857496	2850.75118962784	63.8044665358794	54.812426585497
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547	246	181847	-10581.14133	954097.3170250766	39.456214461026514	-100.8369176	342047.55245478	4373344.688209065	3006.32758787638	2891.258547398183	2836.5823737142	2836.5823737142	58.7788165320314	60.64046118396876
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555	246	181855	-5301.14133	954097.3170250766	39.45621821867	-100.8182186	343650.58029669	4373311.839	2992.894842746464	2879.677832129454	2824.053713090354	2816.172800633793	55.2415251	63.0405376768054
556	246	181856	-4641.14133	954097.3170250766	39.45621909	-100.8158612	343856.5824999049	4373307.91432551	2996.50096306236	2878.059642699202	2821.78427376246	2817.093000969274	56.2753652396234	60.9666417299342
557	246	181857	-3981.14133	954097.3170250766	39.45621938244314	-100.8135437	344057.5827566167	4373303.907722135	2996.102419636813	2876.532078	2819.131416644646	2817.420559902914	57.40066096905648	59.74832341864
558	246	181858	-3321.14133	954097.3170250766	39.45621962323438	-100.8112063	344258.58683035406	4373299.886321741	2993.7118302565928	2874.96053616228	2816.30605500333	2816.30605500333	58.095828595135	60.0815037422238
559	246	181859	-2661.14133	954097.3170250766	39.4562198687918	-100.8088689	344459.5883681838	4373295.86981213	2993.075266399927	2873.456672991074	2813.287136187907	2813.287136187907	60.1655311111671	61.8041692422754
560	246	181860	-2001.14133	954097.3170250766	39.45621996552599	-100.8065315	344660.5968973555	4373291.85050331	2996.218356167966	2873.301855233352	2810.36174126449	2808.858751841741	63.0446147028051	63.0446147028051
561	246	181861	-1341.14133	954097.3170250766	39.45622011968376	-100.8042914	344861.592498716	4373287.63329419	2995.075266399927	2872.3047433335908	2809.6298211583	2809.6298211583	63.0446147028051	63.0446147028051
562	246	181862	-681.14133	954097.3170250766	39.4562201796316	-100.801857	345062.59374255466	4373283.18618314	2994.71718978761	2870.2402980420307	2803.91874161585	2803.91874161585	64.5019147340811	63.0446147028051
563	246	181863	-121.14133	954097.3170250766	39.456220388637									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SurfElevLogKrg.ft	SurfBothKrg.ft
643	246	181945	54098.8586730335	954097.3170250766	39.450608516210566	-100.687518	36175.215813124	4729591.170499541	2871.7546924949997	2727.3037510519555	2682.3092945401036	2679.402359475213	44.99445696185194	47.90139202674254
646	246	181946	54758.8586730335	954097.3170250766	39.45060475024916	-100.6055144	36194.80427591296	472947.171482978	2871.738403831957	2725.386208174881	2678.327368765266	2675.824161002707	47.060312365435	49.56410713217383
647	246	181947	55418.8586730335	954097.3170250766	39.45059102362044	-100.68177	36217.19427890927	472934.172854499	2870.282267984107	2723.483063930955	2674.443734456104	2670.398716932991	51.2247469864524	51.2247469864524
648	246	181948	56738.8586730335	954097.3170250766	39.45065720959539	-100.6008396	36234.1836287564	472937.174077094	2867.3882711297343	2721.590637304606	2670.924636326726	2668.451115047618	50.66599742253365	51.10011601173490
649	246	181949	56738.8586730335	954097.3170250766	39.4505435041706	-100.5985022	36254.9127846226	472935.175677454	2864.490274611362	2717.90168392727	2667.577730362553	2663.800731218855	52.132279904371954	55.9092817883746
650	246	181950	57398.8586730335	954097.3170250766	39.4506144608543	-100.5961648	36270.1619315188	472933.175507474	2861.5847927461439	2719.840579457578	2664.45068672536	2659.506962294356	53.8301685905402	58.3361716340232
651	246	181951	58085.8586730335	954097.3170250766	39.45054546096042	-100.5938274	36295.15088484786	472927.179362327	2856.066371729946	2715.9828201	2661.544899711449	2655.274035869646	54.47330095	60.76016507161406
652	246	181952	58178.8586730335	954097.3170250766	39.4504151956232	-100.59149	36312.1397064193	472923.181774042	2856.06632629178	2714.135358184887	2660.157943179006	2654.14208612466	54.9774132939815	61.521382749314
653	246	181953	58378.8586730335	954097.3170250766	39.4505746217098	-100.5891558	36333.1623694352	472919.184220898	2857.1529186794107	2712.298802146106	2657.1529186794107	2656.87309200855	55.146807017577028	62.7347193754675
654	246	181954	58303.8586730335	954097.3170250766	39.4505037722617	-100.5898152	36354.116951105	472915.186767305	2850.62407201455	2710.47116313455	2655.627722471458	2654.63893349647	54.4236359897	55.8312826946985
655	246	181955	60698.8586730335	954097.3170250766	39.450629247128215	-100.5844778	36375.10538263223	472911.18791608	2847.1390431777845	2708.454626668366	2654.988847324636	2654.526536894753	53.66061473435703	54.12200897362395
656	246	181956	61358.8586730335	954097.3170250766	39.4505207187699	-100.5821404	36396.9037	472907.192915479	2842.884289809805	2706.8369751111	2654.461331024857	2654.226818950492	53.27564240932534	55.61009361676179
657	246	181957	62018.8586730335	954097.3170250766	39.450620851472546	-100.579803	364157.0818458006	472903.196083436	2838.6219604405927	2705.03271100881	2653.669738479654	2652.3709139816973	53.26297413	57.9197119062399
658	246	181958	62678.8586730335	954097.3170250766	39.4506165891488	-100.5774656	364358.0698041475	472899.19990201	2832.434700772295	2703.266505300167	2650.2428056	2650.54609996367	50.889945175848	52.68974013377866
659	246	181959	63338.8586730335	954097.3170250766	39.450612250398	-100.5751282	364559.0578542518	472895.20391029	2828.1723196454397	2701.448702632457	2650.36278373965	2648.2284425348997	51.08642425924063	55.22029997949596
660	246	181960	63998.8586730335	954097.3170250766	39.45059107193398	-100.572769	364760.045603217	472891.207200828	2831.871425460025	2699.6867083781173	2647.7420676416036	2641.108327207754	51.9263873651372	58.5603791738351
661	246	181961	64658.8586730335	954097.3170250766	39.45063052	-100.5704534	364861.032035085	472887.213159585	2831.621985274117	2697.896436	2644.7159524569047	2638.566898168926	53.1804833105848	61.32944681189614
662	246	181962	65318.8586730335	954097.3170250766	39.45090972152076	-100.568116	365162.02705919	472883.215647289	2831.371818099197	2696.116068163246	2641.258069714738	2633.746576275892	54.87299710125641	62.3850350442525
663	246	181963	65978.8586730335	954097.3170250766	39.45049458082838	-100.5657786	365363.0810673407	472879.220183304	2829.97819753686	2694.378826234151	2638.325274044346	2632.3706116158044	56.0455922186061	63.0263464499752
664	246	181964	66638.8586730335	954097.3170250766	39.450914004351525	-100.5634412	365593.959326353	472875.22429514	2829.4329268079	2692.6229042704545	2634.654292568385	2631.18663540414	57.96747499021603	63.42622621291036
665	246	181965	67298.8586730335	954097.3170250766	39.45084562721495	-100.5611038	365764.982409651	472871.22984015	2824.90766072481	2690.84304335695	2630.42524285255	2630.1669598081657	59.9328655001667	60.70988174740387
666	246	181966	67958.8586730335	954097.3170250766	39.4508503559381	-100.558764	365964.9648687824	472867.235051733	2822.3721201298644	2689.13742514447	2627.485962134562	2629.475459492514	61.6572838	59.38599591975023
667	246	181967	68618.8586730335	954097.3170250766	39.450847140619185	-100.554249	366166.963628022	472863.240418751	2820.552036211417	2688.203263217115	2626.375191484987	2626.375191484987	62.44802187359223	62.7347193754675
668	246	181968	69278.8586730335	954097.3170250766	39.45097144591248	-100.5540618	366367.3403995996	472859.245009996	2815.660868141226	2685.65598045056	2620.877682195549	2621.69175885927	63.907015885927	63.907015885927
669	246	181969	69938.8586730335	954097.3170250766	39.450517542	-100.5517542	366568.92971309135	472855.251790172	2812.03166988747	2681.65561174569	2630.2219596141476	2630.2219596141476	53.74955601123375	53.74955601123375
670	246	181970	70598.8586730335	954097.3170250766	39.45096188	-100.5494168	366769.916198127	472851.257790055	2808.4025613608715	2682.2420407115055	2641.8745156	2632.788037202894	67.3668488524533	58.45400356830166
671	246	181971	71258.8586730335	954097.3170250766	39.4509704272526	-100.5470794	366970.92505531267	472847.2639703	2805.180725943303	2680.523598638692	2612.309539904288	2612.309539904288	61.1438148477781	61.1438148477781
672	246	181972	72158.8586730335	954097.3170250766	39.45095212702328	-100.54472	367171.8887846443	472843.27041611	2802.36582318271104	2678.8063218271104	2610.5591813630163	2610.5591813630163	62.24714046409417	62.24714046409417
673	246	181973	72578.8586730335	954097.3170250766	39.4509471814165748	-100.542406	367372.7469884134	472839.230818187	2798.5510795189175	2678.1249439488827	2609.54394498827	2609.54394498827	63.548415819735	63.548415819735
674	246	181974	72578.8586730335	954097.3170250766	39.45094214270418	-100.540472	367573.780906187	472835.23585895	2788.3714227294397	2678.3714227294397	2608.412724293497	2608.412724293497	61.8002321958123	61.8002321958123
675	246	181975	73898.8586730335	954097.3170250766	39.45093716296932	-100.5377298	367774.846094992	472831.290015825	2791.044680382015	2673.67466704018	2609.274141902031	2613.527274621288	64.0425208198786	64.0425208198786
676	246	181976	74558.8586730335	954097.3170250766	39.4509324086202	-100.5353294	367975.832504809	472827.2981678	2783.555720150115	2671.9711773031673	2609.798428034763	2615.39449282498	62.1727492729654	56.62168001676194
677	246	181977	75218.8586730335	954097.3170250766	39.4509268121465	-100.533055	368176.8118248391	472823.30562763	2775.690727122037	2668.571421625504	2611.14909294005	2617.383613697933	59.1565609310865	52.887025527570784
678	246	181978	75878.8586730335	954097.3170250766	39.45092172594226	-100.5307176	368377.80359777886	472819.313298442	2767.858224403240	2660.575793178124	2610.7238459987137	2620.755006002023	63.371931311039	47.81821025807703
679	246	181979	76538.8586730335	954097.3170250766	39.4509165782075	-100.528303	368598.7888549044	472815.32176918	2760.517751379158	2658.868122872114	2612.804989893304	2623.30629991724	47.062730891294	43.3554988889498
680	246	181980	77198.8586730335	954097.3170250766	39.45091191894249	-100.5249249	368791.71502227	472811.32026417	2758.232082114177	2655.203262114177	2610.5591813630163	2610.5591813630163	62.7347193754675	62.7347193754675
681	246	181981	77658.8586730335	954097.3170250766	39.4509158157477	-100.5237055	368989.75024013776	472807.23562299	2748.652174692795	2651.211338832	2590.521234572695	2611.627549471618	52.04482678996303	34.73224721214757
682	246	181982	78518.8586730335	954097.3170250766	39.45090065822554	-100.5213681	369181.7442	472803.3406050435	2740.211603428565	2661.852712301886	2609.50879768089	2630.60434982958	52.763206209979	31.2165774723053
683	246	181983	79178.8586730335	954097.3170250766	39.4508952719676	-100.5190307	369382.7290433825	472799.355	2738.02466523965	2660.1396963910025	2607.15719705183	2630.863139	52.0319048896486	29.359237919248
684	246	181984	79838.8586730335	954097.3170250766	39.45088326582045	-100.5166933	369583.71375712324	472795.363700046	2744.640335994049	2658.5371800811803	2604.298986078993	2626.802854737455	54.2329032107722	71.33434707434755
685	246	181985	80498.8586730335	954097.3170250766	39.4508835	-100.5143569	369784.698458811	472791.37823091	2740.05455816512	2656.8882061020977	2601.167465699381	2619.3021144848251	52.7207440216733	37.58609125355542
686	246	181986	81158.8586730335	954097.3170250766	39.45087818122345	-100.5120185	369985.6829693376	472787.387171819	2735.34549336274	2654.247235274085	2609.7467301146066	2611.627549471618	51.50050915886186	43.619740254051
687	246	181987	81818.8586730335	954097.3170250766	39.4508731224968	-100.5097347	370184.6142428504	472783.3702047	2730.164182462858	2653.203262114177	2609.54394498827	2609.54394498827	62.7347193754675	62.7347193754675
688	246	181988	82478.8586730335	954097.3170250766	39.45087622297461	-100.5								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
31	247	182071	-35141.1413	954575.7172025076	39.49064266	-102.0429806	23889.68116126755	4375647.689207859	3870.251945967301	3553.9715285707355	3552.94778386920048	3552.249314702175	38.83744017035504	95.56597100518002
32	247	182072	-35048.1413	954575.7172025076	39.49066655950023	-102.0406434	23890.800984354848	437563.500036312	3870.369457134106	3546.424695119816	3552.8614595452605	3543.4053136808006	39.5806643671672	103.0341275118097
33	247	182073	-34962.1413	954575.7172025076	39.49069698979727	-102.0383054	2387.019103665693	4375629.43101361	3874.16261787491	3545.93339728546	3551.13009359958	3550.333717889095	38.33331571889095	94.7295726737119
34	247	182074	-34916.1413	954575.7172025076	39.49071451855172	-102.0359435	23891.021916808824	437563.320032312	3870.604479467115	3547.6770260418793	3550.30203920985	3556.919651300000	35.70469674901147	17.5173744700913
35	247	182075	-34860.1413	954575.7172025076	39.490738362163485	-102.0336323	23913.11285362591	4375631.173657667	3870.36621469812357	3548.233068415965	3548.847394188017	3557.67141160450642	35.437452279478	84.60919058953225
36	247	182076	-34784.1413	954575.7172025076	39.49072620663256	-102.0312952	23934.21372373617	437562.945327028	3869.727173971472	3540.8814800618135	3547.126151540193	3545.406418019874	37.7556854593621	86.4754220662617
37	247	182077	-34718.1413	954575.7172025076	39.49078973958588	-102.0289582	23957.16566721368	4375622.917194285	3868.1781332519428	3539.473254510005	3545.3649909739684	3553.264391591553	34.10826354	86.20887129458202
38	247	182078	-34652.1413	954575.7172025076	39.49080971244235	-102.0266211	23975.4536736664	4375618.789274747	3868.580425311943	3538.0590406967904	3543.16300445956	3551.15762576009	35.45286805503443	86.9014149361237
39	247	182079	-34589.1413	954575.7172025076	39.49086338518314	-102.024284	23987.15617880084	4375618.961699347	3870.37952478791	3545.938259089167	3541.638888277516	3549.07286434304	34.9998666228594	91.6712087527119
40	247	182080	-34520.1413	954575.7172025076	39.49085702309035	-102.021947	2401.1816694222167	4375610.53407804	3874.496653148343	3525.21605702995	3539.954248017026	3547.962753399404	95.2618091	87.2533046897547
41	247	182081	-34454.1413	954575.7172025076	39.49088015835006	-102.0196099	2403.17884634568	4375606.40680745	3863.6417122879857	3533.79122879857	3538.307288259228	3545.117793873093	35.4633066128983	88.67343300082416
42	247	182082	-34389.1413	954575.7172025076	39.49090416344775	-102.0177278	24050.2840049013477	437559.27375657	3861.7830945400543	3532.365460489745	3536.63046142257	3543.4781491436818	95.73488530671739	88.88619781
43	247	182083	-34322.1413	954575.7172025076	39.49092765916672	-102.0148357	24072.199089526825	4375598.125888451	3859.378973242161	3530.938614934625	3537.091346278261	3540.4941681483025	88.88983210310384	88.88983210310384
44	247	182084	-34261.1413	954575.7172025076	39.49095112324427	-102.0125987	24093.0753233963	4375594.02623401	3856.42902416287	3529.508622567705	3533.6570446485725	3542.1336659891584	95.85157309132399	87.479565785497
45	247	182085	-34190.1413	954575.7172025076	39.49095453542519	-102.0102618	24114.20321294407	4375599.99253405	3853.47709710158	3528.074625920317	3532.3133872071116	3539.95475855824	96.761437369027	88.1204893879769
46	247	182086	-34124.1413	954575.7172025076	39.4909790246474	-102.0079425	24125.30130711376	4375585.773625453	3850.529126604027	3528.6374211522894	3530.8160000027524	3538.54228993615	95.74382405953702	88.041951586794
47	247	182087	-34058.1413	954575.7172025076	39.4910212346111	-102.0055874	241526.41950511248	4375581.64783245	3847.5644004555123	3528.196654606105	3529.55027054569	3536.771477563165	95.658268550575	88.4248784829403
48	247	182088	-33992.1413	954575.7172025076	39.4910450111424	-102.0032503	241727.52151714716	437557.15367505	3844.58319056214	3523.75278896617	3528.139681861913	3536.289286157033	95.61281471025594	87.46349673131907
49	247	182089	-33926.1413	954575.7172025076	39.49106773272408	-102.0009132	241928.6268742011	4375573.36628823	3841.603597474715	3522.3060863786905	3526.76910777671	3534.695128430176	95.6369789011954	87.610593355878
50	247	182090	-33860.1413	954575.7172025076	39.4910091919056	-101.9985761	242129.7319741416	4375569.2703791	3839.633736284142	3520.568313623514	3525.3302024682057	3530.514736730784	95.6226894145673	94.0239650545743
51	247	182091	-33794.1413	954575.7172025076	39.49111406291	-101.9962391	24230.8381695144	4375565.148091175	3835.53468333438	3519.405246678447	3523.935837776716	3528.748077776716	95.4694099173202	90.56717077
52	247	182092	-33728.1413	954575.7172025076	39.491137016	-101.9939302	24253.9145097472	4375561.102878367	3832.33963130521	3517.56150025397	3522.9593565213785	3527.1077193699	95.3614917183888	90.75372908
53	247	182093	-33662.1413	954575.7172025076	39.491179627129635	-101.991649	24289.56614740484	4375559.96198424	3831.00871494369	3517.56150025397	3522.9593565213785	3527.1077193699	95.3614917183888	90.75372908
54	247	182094	-33596.1413	954575.7172025076	39.4911831362237	-101.9892278	24293.41892561246	4375552.71674737	3825.948690279595	3515.07300202235	3519.664790416295	3523.034592439494	95.373007833705	91.99834727528514
55	247	182095	-33530.1413	954575.7172025076	39.49120617437153	-101.9868907	243135.2536516552	4375548.64739391	3823.583628190479	3513.57701904979	3518.148913	3520.25013870986	95.4288843001901	93.3276320399332
56	247	182096	-33464.1413	954575.7172025076	39.4912290697711	-101.9845536	243336.35722338296	4375544.53237045	3822.084725531297	3512.11592935544	3516.7472771796574	3516.230693324176	95.36831567388663	95.847295236809
57	247	182097	-33398.1413	954575.7172025076	39.49125196043903	-101.9822165	243537.4605409700	4375544.93941757	3810.651075	3510.5047547207743	3512.4425540484724	3516.9862307148456	95.82083494916745	95.82083494916745
58	247	182098	-33332.1413	954575.7172025076	39.4912747857528	-101.9798794	243738.5636470818	4375536.278332638	3819.062389875942	3509.184564033244	3513.674601767933	3508.592973833598	95.5099625339102	100.5919504673681
59	247	182099	-33266.1413	954575.7172025076	39.491297423	-101.9774923	243939.566178135	4375532.1504102725	3817.00871494369	3507.71627870268	3512.30240979231	3512.30240979231	95.5128757786881	95.5128757786881
60	247	182100	-33200.1413	954575.7172025076	39.491320096254	-101.9750252	244140.78997123395	4375523.294	3815.11278315308	3507.1354246117808	3511.122146294713	3500.953821263962	95.5128757786881	95.5128757786881
61	247	182101	-33134.1413	954575.7172025076	39.4913429008447	-101.9728681	244341.8713	4375513.96002184	3811.8128093119564	3504.777912384504	3509.755262657696	3506.07955125098	95.02265112693474	108.8938112942221
62	247	182102	-33068.1413	954575.7172025076	39.491365359255	-101.970531	244542.97323460896	4375519.783	3809.251157319660	3503.31156116033	3508.68620229065	3502.845621544718	95.04652497314506	110.45652497314506
63	247	182103	-33002.1413	954575.7172025076	39.491388235191685	-101.9681399	244744.05171817943	4375515.6604839	3807.23013058106	3501.85503765959	3507.7843471480404	3509.1186376715987	94.070805118061	111.3736998797975
64	247	182104	-32936.1413	954575.7172025076	39.49141078964906	-101.9658568	244945.176664040	4375513.9434553	3805.85767492575	3500.43026288687	3507.0216463742818	3507.0216463742818	95.3827242540049	113.0822618617635
65	247	182105	-32870.1413	954575.7172025076	39.49143528595813	-101.9635197	245148.2779588167	4375507.41726318	3804.485219475029	3500.960275283024	3506.3280054031925	3504.8481673873662	95.3262969330914	114.1418786157488
66	247	182106	-32804.1413	954575.7172025076	39.4914557312532	-101.9611825	24537.437899496	4375503.294	3803.47904192437	3500.53821950439	3505.719044192437	3505.719044192437	95.11852024489	114.11852024489
67	247	182107	-32738.1413	954575.7172025076	39.4914781821484	-101.9588544	245548.47587832283	4375498.217221158	3798.616542486138	3506.074392977434	3504.6512609	3504.814392416231	95.84883145319815	107.6835150784502
68	247	182108	-32672.1413	954575.7172025076	39.491500560627425	-101.9565083	245749.5802230334	4375495.051	3793.99545152725	3504.679304498812	3503.1292631176802	3501.4837617366404	95.05004138	102.1955412217718
69	247	182109	-32606.1413	954575.7172025076	39.49152286472276	-101.9541712	245950.6800664163	4375490.9292679	3788.37656834317	3503.2711500907444	3501.1724365787727	3501.1724365787727	95.0973135197171	100.8951154977317
70	247	182110	-32540.1413	954575.7172025076	39.49154517	-101.9518341	246151.78063954873	4375486.080584807	3782.7656812743021	3501.8736907321318	3500.783961344017	3501.8736907321318	95.0802946	99.9516135930261
71	247	182111	-32474.1413	954575.7172025076	39.49156740679927	-101.949497	246352.8804212498	4375486.68799576	3776.9049047490671	3500.4873427472924	3500.9846165821664	3500.9846165821664	95.6934400809225	95.6934400809225
72	247	182112	-32408.1413	954575.7172025076	39.49158900110336	-101.9471598	246593.978918125	4375475.767352612	3770.81907150259	3500.11720719693	3502.538260956562	3500.538260956562	95.6743406213044	107.672086184382
73	247	182113	-32342.1413	954575.7172025076	39.491611465911782	-101.94486	246891.685950881	4375480.728829368	3769.62816849824	3500.11720719693	3502.538260956562	3500.538260956562	95.6743406213044	107.672086184382
74	247	182114	-32276.1413	954575.7172025076	39.4916335118345	-101.9424856	246856.17836901132	4375470.3270384	3768.6490836354	3500.358795784734	3504.6512609	3504.814392416231	95.84883145319815	107.6835150784502
75	247	182115	-32210.1413	954575.7172025076	39.491655909182468	-101.9401485								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKg.f	BRIElevLogKg.f	SatHtLogKg.f	SatHtBoth.f	
157	247	182197	-267981.1413	954575.7170250766	39.49333102409879	-101.748498	263646.54459548846	4375129.093519637	361.2102869502933	3474.1261322803654	3343.671790091053	3350.55687981429	101.5044332712601	123.5647482898366
158	247	182198	-267321.1413	954575.7170250766	39.493329334841874	-101.748126	263847.6233084084	4375119.391241119	361.2119588	3474.747023514934	3342.6972001436525	3350.4962473125148	101.504086237125148	122.2507769773882
159	247	182199	-266601.1413	954575.7170250766	39.49334789043729	-101.748623	264048.7017869321	4375120.889179937	361.2137833	3474.7374033094467	3342.693229813724	3350.5021711544947	101.503985738690632	120.4539381742753
160	247	182200	-266001.1413	954575.7170250766	39.4933562089406	-101.741461	264249.7801352925	4375116.787	3655.672117400735	3470.2203641020438	3341.253640419185	3351.5939333748047	101.502946736951968	118.249603696533724
161	247	182201	-265341.1413	954575.7170250766	39.4933839619402	-101.7391508	264445.880485166995	4375102.685852342	3651.9715904403005	3468.672172945322	3341.814371198832	3351.8802272930214	101.50286770469017	116.71900410742965
162	247	182202	-264681.1413	954575.7170250766	39.493402126346204	-101.7368136	264651.935931543	4375108.354282742	3647.3346923258205	3442.396609769532	3352.607377430146	3342.9380255628846	101.50277438250853	114.71720048250853
163	247	182203	-264021.1413	954575.7170250766	39.49340221135058	-101.7344764	264853.0134808499	4375104.483045454	3644.16470639418	3466.007436	3343.5920592626585	3342.9380255628846	101.50277438250853	113.143682941113
164	247	182204	-263361.1413	954575.7170250766	39.49343825120711	-101.7321391	265054.09079872667	4375103.420234659	3634.6601844284337	3345.127252100883	3347.6035344064065	3345.127252100883	101.50277438250853	117.0865001878717
165	247	182205	-262701.1413	954575.7170250766	39.493456245915766	-101.7298018	265255.167868071	4375102.889425	3638.14485979180337	3346.2109169386126	3347.6035344064065	3345.127252100883	101.50277438250853	117.0865001878717
166	247	182206	-262041.1413	954575.7170250766	39.49347419547578	-101.7274462	265464.247375787	4375092.1808773	3633.6343923799917	3342.05626223593	3347.3671145298217	3347.3671145298217	101.50277438250853	114.71720048250853
167	247	182207	-261381.1413	954575.7170250766	39.4934921	-101.7251274	265657.321360845	4375088.0032367	3628.185946	3460.800736690424	3354.2320318	3347.3671145298217	101.50277438250853	114.71720048250853
168	247	182208	-260721.1413	954575.7170250766	39.493509995141	-101.7227902	265859.9757123206	4375083.980181926	3627.799156	3459.5275910057317	3349.233448717237	3345.4928393084715	101.50277438250853	114.71720048250853
169	247	182209	-260061.1413	954575.7170250766	39.493527773270955	-101.7204529	266059.473913287	4375079.88024753	3627.12366	3458.265835143271	3336.667003605145	3331.7992623693	101.50277438250853	114.71720048250853
170	247	182210	-259401.1413	954575.7170250766	39.493545542239694	-101.7181157	266260.54908457834	4375075.78052876	3627.0255750113679	3457.0133590568453	3324.453050948476	3317.41733688093	101.50277438250853	114.71720048250853
171	247	182211	-258741.1413	954575.7170250766	39.4935626606039	-101.7157784	266461.62553918676	4375071.88012737	3624.256542124297	3455.7705399191788	3316.0447750021553	3317.41733688093	101.50277438250853	114.71720048250853
172	247	182212	-258081.1413	954575.7170250766	39.49358094473250	-101.7134412	266662.1007007361	4375067.881728157	3619.915265228977	3454.33539232106	3311.52718170841	3308.03853368695	101.50277438250853	114.71720048250853
173	247	182213	-257421.1413	954575.7170250766	39.493598578257355	-101.711039	266863.776253073	4375059.482647578	3615.303988319046	3453.309584	3309.2186758976187	3308.03853368695	101.50277438250853	114.71720048250853
174	247	182214	-256761.1413	954575.7170250766	39.49361616663358	-101.7087767	267064.8512352285	4375053.364	3610.69271141504	3452.081004050523	3308.359984338703	3308.359984338703	101.50277438250853	114.71720048250853
175	247	182215	-256101.1413	954575.7170250766	39.49363370866161	-101.7064294	267265.9260331343	4375055.285128505	3607.64847600139	3450.859255005954	3307.905381259543	3304.830973518526	101.50277438250853	114.71720048250853
176	247	182216	-255441.1413	954575.7170250766	39.49365120794133	-101.7040922	267467.0057982584	4375051.1868491	3607.1116687348	3449.638398353615	3307.55141404298	3304.830973518526	101.50277438250853	114.71720048250853
177	247	182217	-254781.1413	954575.7170250766	39.4936686808723	-101.7017549	267688.07489891327	4375047.0845491	3604.68939391299	3448.4152274441299	3307.186315883154	3302.937744478676	101.50277438250853	114.71720048250853
178	247	182218	-254121.1413	954575.7170250766	39.4936860858598	-101.6994177	267898.14869894934	4375042.99	3602.316625421269	3447.188076336836	3306.821539579599	3302.937744478676	101.50277438250853	114.71720048250853
179	247	182219	-253461.1413	954575.7170250766	39.4937034928517	-101.6971069	268107.2228936946	4375038.83083683	3598.95763957327	3445.989763028166	3306.330229813724	3302.937744478676	101.50277438250853	114.71720048250853
180	247	182220	-252801.1413	954575.7170250766	39.49372074877721	-101.6947431	268321.29641800103	4375034.9950761	3598.41481622823	3444.71775718603	3305.142543071162	3301.3296298703	101.50277438250853	114.71720048250853
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182	247	182222	-251481.1413	954575.7170250766	39.493755248304744	-101.6900686	268763.4430649623	4375026.605012343	3598.37059181163	3442.7325066275614	3303.46242912483	3294.70350206756	101.50277438250853	114.71720048250853
183	247	182223	-250821.1413	954575.7170250766	39.49377240334582	-101.6877314	268974.5160074445	4375022.50362737	3594.19156554716	3440.882124078306	3298.143818	3291.7525367192	101.50277438250853	114.71720048250853
184	247	182224	-250161.1413	954575.7170250766	39.49379956723836	-101.6853341	269205.58872645395	4375018.40682618	3590.5384145267494	3439.720498446807	3296.273212786397	3286.615147393996	101.50277438250853	114.71720048250853
185	247	182225	-249501.1413	954575.7170250766	39.49381683698234	-101.6830068	269476.861277055	4375014.31036862	3588.967563957327	3438.469876328166	3295.337570886132	3282.304196188395	101.50277438250853	114.71720048250853
186	247	182226	-248841.1413	954575.7170250766	39.4938340557777	-101.6807196	269747.7334819	4375010.2189221	3587.3799124679054	3437.1877336989	3294.105400159681	3276.8149109114085	101.50277438250853	114.71720048250853
187	247	182227	-248181.1413	954575.7170250766	39.4938507702458	-101.6783823	269976.805517521	4375007.11894796	3587.248828345168	3435.90731401059	3285.3004519532944	3266.34538013567	101.50277438250853	114.71720048250853
188	247	182228	-247521.1413	954575.7170250766	39.493876322736	-101.6760451	270196.8773266615	4375002.0210395	3586.573212546176	3434.621427331253	3281.224028	3252.884196196285	101.50277438250853	114.71720048250853
189	247	182229	-246861.1413	954575.7170250766	39.49389457447219	-101.6737078	270408.948992345	4374997.923630135	3585.898465268162	3433.3296267947117	3277.0823458461578	3232.1938452755126	101.50277438250853	114.71720048250853
190	247	182230	-246201.1413	954575.7170250766	39.49391440472919	-101.6713705	270622.0204677567	4374993.830800465	3581.22327990149	3432.0314061508	3273.053921854517	3211.7085420726418	101.50277438250853	114.71720048250853
191	247	182231	-245541.1413	954575.7170250766	39.49393165232496	-101.6690332	270843.091393759	4374989.53535282	3543.477118307626	3430.3305985838	3268.1538792147508	317.9390789334896	101.50277438250853	114.71720048250853
192	247	182232	-244881.1413	954575.7170250766	39.49394925702019	-101.666709	271064.16296478	4374985.64002915	3542.42914391572	3429.42814391572	3267.82324074307	317.9390789334896	101.50277438250853	114.71720048250853
193	247	182233	-244221.1413	954575.7170250766	39.49396717294246	-101.6643587	271285.2397308065	4374981.54783365	3542.42914391572	3428.12077828032	3267.82324074307	317.9390789334896	101.50277438250853	114.71720048250853
194	247	182234	-243561.1413	954575.7170250766	39.49398485	-101.6620214	271506.304237596	4374977.451177143	3523.02579197926	3426.808766737136	3258.4024892549955	3260.843551404185	101.50277438250853	114.71720048250853
195	247	182235	-242901.1413	954575.7170250766	39.49397500324482	-101.6598462	2717287.3736	4374971.373642518	3519.473173642518	3425.493717344224	3254.834097883653	3254.8345684746677	101.50277438250853	114.71720048250853
196	247	182236	-242241.1413	954575.7170250766	39.4939916835272	-101.6573499	271984.434822117	4374969.263	3518.716705162766	3424.184622304228	3251.09248695472	3247.1488771007	101.50277438250853	114.71720048250853
197	247	182237	-241581.1413	954575.7170250766	39.4940023831159	-101.6550096	272189.513241524	4374965.19683576	3518.716705162766	3422.874599427031	3247.5383170740344	3225.46794946252	101.50277438250853	114.71720048250853
198	247	182238	-240921.1413	954575.7170250766	39.49402474311247	-101.6526723	272390.589715226	4374961.078811326	3517.815093267534	3421.56627295334	3246.2087514483246	3225.585825179837	101.50277438250853	114.71720048250853
199	247	182239	-240261.1413	954575.7170250766	39.4940421629489	-101.650341	272601.658291221	4374957.1808221	3516.909217519156	3420.62814391572	3245.42814391572	3225.585825179837	101.50277438250853	114.71720048250853
200	247	182240	-239601.1413	954575.7170250766	39.49405717294246	-101.647978	272822.721395316	4374952.8801093	3516.9092175					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lr	BR.ElevLogs.ft	BR.ElevBothKg.ft	Surf.ElevLogs.ft	Surf.BothKg.ft
283	247	182323	-184821.1413	954575.7170250766	39.4562629331215	-101.4540003	28888.6939756564	4374813.883280589	3455.3852753059195	327.789104873779	3162.785730075906	3164.19859150212388	315.92345399787291	314.51059257254019
284	247	182324	-184816.1413	954575.7170250766	39.45627525	-101.4516269	289181.7449	4374609.807616224	3451.891974639234	327.767240354975	3159.450244180554	3159.450244180554	315.92345399787291	314.51059257254019
285	247	182325	-184801.1413	954575.7170250766	39.45628765958366	-101.4493254	289322.798918344	4374605.123258654	3452.358912889312	327.7546812980312	3159.450244180554	3159.450244180554	315.92345399787291	314.51059257254019
286	247	182326	-184796.1413	954575.7170250766	39.45630035954488	-101.4469882	289583.8642353435	4374601.65751372	3453.904533586613	327.7416393277697	3157.616390277071	315.92345399787291	314.51059257254019	314.51059257254019
287	247	182327	-184781.1413	954575.7170250766	39.456312845978966	-101.4446508	289784.896800103	4374597.580863394	3452.0932077818443	327.720055578823	3139.0875519272454	3154.5878349166224	314.6130031515777	312.7172703872606
288	247	182328	-184766.1413	954575.7170250766	39.4563258726963	-101.4423135	289985.8466412275	4374595.2085061599	3451.962717400963	327.71263096	3131.117704142186	3138.7183535801250	314.62911380423392	312.5418629749045
289	247	182329	-184751.1413	954575.7170250766	39.45633768340168	-101.4399761	290186.99674204586	4374589.433654121	3451.8371047019147	3269.841262735486	3122.4048374888647	3126.38269685362	314.632513868692	312.5418629749045
290	247	182330	-184736.1413	954575.7170250766	39.4563500343217	-101.4376388	290388.046637191	4374585.345948892	3451.700116637798	3268.4040702676576	3113.335663306063	3118.3641677380036	315.0560369705232	312.5418629749045
291	247	182331	-184721.1413	954575.7170250766	39.456362400211166	-101.4353014	290689.969974285	4374581.28547599257	3451.561104770107	3267.651786277076	3108.2489974685917	3115.296748687943	315.0560369705232	312.5418629749045
292	247	182332	-184706.1413	954575.7170250766	39.45637406088973	-101.432954	290970.14328902023	4374577.212	3451.56111415385	327.712839224418	3113.335663306063	3113.335663306063	315.0560369705232	312.5418629749045
293	247	182333	-184721.1413	954575.7170250766	39.45638682	-101.4306267	290991.194393384	4374573.18146657	3451.711806259	3264.2835837262506	3126.9254183336217	314.2654183336217	315.0560369705232	312.5418629749045
294	247	182334	-184756.1413	954575.7170250766	39.45639899	-101.4282893	291192.2432924254	4374569.046000365	3451.727014078732	3262.825301436705	3135.0415045728487	3151.7269342598787	314.62102557082178	311.15559561369173
295	247	182335	-184760.1413	954575.7170250766	39.4564111120119	-101.4259519	291393.29189891984	4374561.499166228	3452.266858017	3260.266858017	3140.4260829073607	3150.5735073878877	312.034263997911618	310.8853499795914
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301	247	182341	-184729.1413	954575.7170250766	39.456482915160984	-101.4119277	292599.5789546523	4374540.557	3451.697379007396	3254.8811942104735	3254.8811942104735	3135.7357063	314.6488254642804	314.444803888538
302	247	182342	-184728.1413	954575.7170250766	39.45649474231496	-101.4099094	292800.6271	4374535.48566908	3451.697379007396	3253.76692404765	3251.38169983868	3136.5343901816263	315.846780221413	314.84236118118284
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306	247	182346	-184761.1413	954575.7170250766	39.4565415094489	-101.4002049	293604.8141411678	4374520.201	3451.531570070296	3246.198979853	3129.8642536518503	314.7016920287613	315.0560369705232	312.5418629749045
307	247	182347	-184688.1413	954575.7170250766	39.456553092846144	-101.3979305	293805.86038673	4374516.130607247	3451.697379007396	3245.661003	3128.3877095902584	3130.5257521895974	315.0560369705232	312.5418629749045
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317	247	182357	-184628.1413	954575.7170250766	39.45666644399793	-101.3745297	295816.31177380047	4374475.43691048	3451.714443714197	3239.1871692705	3131.576726597791	311.548634	315.0560369705232	312.5418629749045
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326	247	182366	-184541.1413	954575.7170250766	39.4567645857613	-101.3534832	297625.700879836	4374438.82795656	3451.697379007396	3230.254719349692	3131.576726597791	311.548634	315.056036970523	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatThkLog.f	SatThkBoth.f
39	247	182449	-101681.1413	954757.3170250766	39.46649741314751	-101.5594879	314311.5506288977	347102.04349438	3259.771974064716	310.14743735606186	3010.181684763201	3014.501634636353	37.233050/791676	92.9131061
410	247	182450	-101001.1413	954757.3170250766	39.46650435457981	-101.5571508	314152.517370011924	347097.934667352	3253.364415	3105.796344058633	3008.483399057013	3017.163694491435	37.232450/793744	93.6299547818482
411	247	182451	-100041.1413	954757.3170250766	39.46651123339363	-101.548419	314173.6036960679	347403.94696561	3247.470297681968	3104.171171153154	3008.971849619308	3010.20362810734	37.1949676364229	93.9671267419767
412	247	182452	-99681.1413	954757.3170250766	39.46651807564014	-101.5247566	314014.62971195113	347089.898	3242.086461155256	3102.540290236271	3005.450261068459	3007.706446628708	37.09003817	94.83309441684312
413	247	182453	-99021.1413	954757.3170250766	39.46652487283014	-101.501382	315115.6556447473	347049.84858815	3236.70984538254	3100.90366494963	3003.964254894837	3005.73736342667	37.0934908007937	95.16582827
414	247	182454	-98361.1413	954757.3170250766	39.46653124863638	-101.478007	315316.6813973443	347081.802	3231.332619626366	3099.261742512434	3002.38476636624	3005.736796032519	95.30378219	95.30378219
415	247	182455	-97701.1413	954757.3170250766	39.46653833174879	-101.454633	315557.7066969261	347073.926142	3227.055052388609	3097.618238716023	3000.952131497088	3002.291377914208	95.66289237375445	95.32345396
416	247	182456	-97041.1413	954757.3170250766	39.46654493934066	-101.431258	315718.7326406435	347073.706	3223.8769143123	3095.9631600377	2999.459443917192	3002.822806944172	95.6703160851494	95.34013306
417	247	182457	-96381.1413	954757.3170250766	39.466551610053584	-101.407884	315919.7576720512	347069.8591065	3208.70265253668	3094.304531333663	2997.536841571252	2998.9653385271496	95.36858975581074	95.4029181
418	247	182458	-95717.1413	954757.3170250766	39.46655381147626	-101.38451	316120.787030067	347056.612014473	3217.528892186125	3092.63887613674	2995.323514956352	2997.322462168157	95.3132761828139	95.31424554561692
419	247	182459	-95051.1413	954757.3170250766	39.46656470774327	-101.361135	316321.8075654833	347061.565137716	3214.85708803635	3090.96016	2994.705220774284	2995.63070035545	95.26457482462825	95.3421996635692
420	247	182460	-94401.1413	954757.3170250766	39.46657191	-101.337761	316522.8322292368	347057.518464176	3212.6874024310155	3089.275018836814	2992.9197916814096	2993.6315251789888	95.35504715540446	95.3434963791531
421	247	182461	-93741.1413	954757.3170250766	39.46657762815686	-101.3134386	316723.8567278056	347053.472	3210.517893793246	3087.584939306246	2991.053389061458	2991.053389061458	95.17555444174468	
422	247	182462	-93081.1413	954757.3170250766	39.46658041562108	-101.291012	316924.8810373174	347045.45797272	3208.348302445776	3085.8911896758236	2989.786006	2985.320277149623	95.10513830906352	100.5701912620055
423	247	182463	-92421.1413	954757.3170250766	39.466590361272524	-101.267638	317125.9051731473	347040.29772791	3206.956726160996	3084.193667225396	2988.156717473739	2985.996063010428	95.18974802478527	95.18974802478527
424	247	182464	-91761.1413	954757.3170250766	39.4665966177007	-101.244263	317326.39213016304	347041.33389042	3206.347625244398	3082.403121818046	2986.231073757649	2982.2598393840055	94.16554071712683	94.16554071712683
425	247	182465	-91101.1413	954757.3170250766	39.466602917113684	-101.222089	317527.952098896	347037.28824471	3205.73272726356	3080.789838812905	2987.76135142638	2986.9111180671567	93.8284871525523	93.8787820141479
426	247	182466	-90441.1413	954757.3170250766	39.46660912730336	-101.197514	317728.9765044631	347033.243	3203.126913930494	3079.08327285604	2984.4618693013645	2984.264444855003	93.0248745963298	94.9183627987612
427	247	182467	-89781.1413	954757.3170250766	39.466615293390	-101.17414	317929.9990320484	347029.17690025	3204.738358032217	3077.97302671717	2982.832063869684	2982.655143473645	94.5345866407148	94.7207719607387
428	247	182468	-89121.1413	954757.3170250766	39.46662141222082	-101.150765	318131.0231767907	347025.125710739	3203.584253108923	3075.670179032395	2981.880019882116	2981.352455144202	93.790159117907	94.3172788189309
429	247	182469	-88461.1413	954757.3170250766	39.46662746894585	-101.127391	318332.0462440074	347021.107941709	3204.0054921644592	3073.968517033167	2981.544737567907	2980.641596878598	93.46290327356035	93.46290327356035
430	247	182470	-87801.1413	954757.3170250766	39.46663516222344	-101.104017	318533.0691365445	347017.63383982	3204.239613172028	3072.71233339541	2981.5447680767526	2979.850150242924	90.7263527206821	92.4214729771134
431	247	182471	-87141.1413	954757.3170250766	39.4666429994211	-101.08072	318744.816456454	347013.9106735	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
432	247	182472	-86491.1413	954757.3170250766	39.46665440021079	-101.057268	318935.1148232259	347009.975	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
433	247	182473	-85821.1413	954757.3170250766	39.46665133447589	-101.033893	319136.1367142681	347003.93077286	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
434	247	182474	-85161.1413	954757.3170250766	39.46665718	-101.010519	319337.1589237019	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
435	247	182475	-84501.1413	954757.3170250766	39.4666628708094	-100.987144	319538.108298168	347006.843761687	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
436	247	182476	-83841.1413	954757.3170250766	39.466668745730524	-100.96377	319739.2075978907	347002.400470521	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
437	247	182477	-83181.1413	954757.3170250766	39.46667469220623	-100.940428	319940.2241383645	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
438	247	182478	-82521.1413	954757.3170250766	39.46668017276497	-100.917021	320141.2458921605	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
439	247	182479	-81861.1413	954757.3170250766	39.4666857505481	-100.893466	320342.2671949717	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
440	247	182480	-81201.1413	954757.3170250766	39.46669132878805	-100.870272	320543.2883247254	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
441	247	182481	-80541.1413	954757.3170250766	39.46669681667175	-100.846897	320744.3092748685	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
442	247	182482	-79881.1413	954757.3170250766	39.46670235	-100.823253	320945.3005236625	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
443	247	182483	-79221.1413	954757.3170250766	39.4667077919304	-100.800048	321148.3507	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
444	247	182484	-78561.1413	954757.3170250766	39.46671318327977	-100.776774	321347.31034695	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
445	247	182485	-77901.1413	954757.3170250766	39.4667184142345	-100.753399	321548.3913375204	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
446	247	182486	-77241.1413	954757.3170250766	39.4667234875074	-100.730025	321749.4114774806	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
447	247	182487	-76581.1413	954757.3170250766	39.46672917014955	-100.70665	321950.4313556466	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
448	247	182488	-75921.1413	954757.3170250766	39.4667342750498	-100.683276	322151.4510599867	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
449	247	182489	-75261.1413	954757.3170250766	39.46673949915084	-100.659901	322352.4076149883	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
450	247	182490	-74601.1413	954757.3170250766	39.46674462564247	-100.636527	322553.490000557	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
451	247	182491	-73941.1413	954757.3170250766	39.466749740193383	-100.613172	322754.70473139	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
452	247	182492	-73281.1413	954757.3170250766	39.46675473136066	-100.589778	322955.5283	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
453	247	182493	-72621.1413	954757.3170250766	39.466759734192054	-100.566403	323156.5471203078	347000.887	3203.958294305745	3074.381162507	2981.5447680767526	2979.850150242924	91.1891414010379	93.1466010665605
454	247	182494	-71961.1413											

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
532	247	182575	-18501.14133	95.475713710250766	-00.8646984	396.939.5265269567	4373993.558135336	300.3830969315163	2898.101403093071	2858.032333493326	2858.032333493326	50.21232399625075	49.43433962524965
536	247	182576	-17841.14133	95.475713710250766	-00.862631	339840.53716816007	4373589.439923737	302.037115307792	2906.94812665346	2854.640725612012	2855.198000405698	50.7401043435199	51.75012619363579
537	247	182577	-17181.14133	95.475713710250766	-00.860038	340917.5368210466	4373585.133861037	301.6916160984354	2905.569430933574	2861.673623676852	2861.673623676852	53.89216246025217	53.85529646824716
538	247	182578	-16521.14133	95.475713710250766	-00.857956	340242.5418221157	4373587.439923737	303.01635206606324	2904.186419566473	2860.008740411237	2859.437349626926	55.1776015604477	54.6390246036489
539	247	182579	-15861.14133	95.475713710250766	-00.8556185	340443.5466142875	4373577.470498339	301.90366653703613	2902.798411835475	2846.656576969643	2847.215426614974	55.1832138523217	55.58296217400488
540	247	182580	-15021.14133	95.475713710250766	-00.8532811	340644.551248905	4373574.491144646	301.37643141639164	2904.9050793795323	2845.66621414618704	2846.5000947843146	55.5000947843146	55.5000947843146
541	247	182581	-14541.14133	95.475713710250766	-00.8512821	340805.552877958	4373569.427941157	301.8058476926052	2900.073442779612	2843.1043581552227	2841.248517966785	56.90299846243852	56.78826823118475
542	247	182582	-13891.14133	95.475713710250766	-00.848061	341064.5600543664	4373569.409877985	300.8315332777027	2898.6409991362315	2841.889491	2838.68442848626	57.515008094174	59.92005828765897
543	247	182583	-13221.14133	95.475713710250766	-00.8456387	341247.5642257765	4373561.386224799	300.8204658836324	2897.197747298594	2840.472968256852	2836.90738233886	58.2747960259175	58.29013805369404
544	247	182584	-12561.14133	95.475713710250766	-00.8433214	341448.5652425592	4373557.365818345	300.913096140958	2895.7851552319534	2839.585057363257	2835.76489539756	59.200095853377	60.41506387957574
545	247	182585	-11901.14133	95.475713710250766	-00.8415937	341649.5720683036	4373553.345	300.9017166585875	2894.367144232398	2839.2342102505104	2833.916695303457	55.1332037072231	60.450741701782545
546	247	182586	-11241.14133	95.475713710250766	-00.8392563	341850.579157476	4373549.325244844	301.0424275	2892.44949460998	2838.2198152769591	2831.729537978113	54.72570979302304	61.2135662888482
547	247	182587	-10581.14133	95.475713710250766	-00.8369188	342051.5794740569	4373545.305312048	300.922256730813	2891.571084764096	2836.888212669144	2829.73442896163	54.68187210218195	61.77396187
548	247	182588	-9921.141327	95.475713710250766	-00.8345813	342252.5862778602	4373541.28609571	300.2545657	2890.08349914939124	2835.8249897114576	2828.037375118952	54.25897043787654	62.04610476173035
549	247	182589	-9261.141327	95.475713710250766	-00.8322349	342453.5861	4373537.267115950	300.32545625438	2889.6345566928008	2834.4555717568897	2826.7537521518952	54.198764359332261	61.88990454093553
550	247	182590	-8601.141327	95.475713710250766	-00.8299064	342654.589226036	4373533.246835145	300.28493546116	2887.1963615339814	2833.3707200794963	2823.719331270592	53.82486739295116	63.47770323892024
551	247	182591	-7941.141327	95.475713710250766	-00.827698	342855.5921761174	4373529.22763649	299.6153245823277	2885.7989971099838	2831.9752131808623	2819.974065296384	53.764893692321475	65.76580148127331
552	247	182592	-7281.141327	95.475713710250766	-00.8252314	343056.5946603055	4373525.208901487	298.294419052726	2884.271794	2830.3878564961055	2817.214625261795	53.6833738354299	65.903182
553	247	182593	-6621.141327	95.475713710250766	-00.822894	343257.5976073807	4373521.190250148	297.874678359739	2882.79151908075	2828.664250395447	2816.041358269162	54.12309404143025	66.7501262135689
554	247	182594	-5961.141327	95.475713710250766	-00.8205565	343458.60009673354	4373517.17108538	296.8129485469996	2881.299485469996	2826.729356	2816.395056818937	54.5071297186305	64.9042683810222
555	247	182595	-5301.141327	95.475713710250766	-00.818219	343659.6024348414	4373513.153577016	299.41554371254756	2879.268058404764	2824.532498283902	2817.163600450928	55.25783320134484	62.63248213314864
556	247	182596	-4641.141327	95.475713710250766	-00.815816	343860.60462075996	4373509.133560785	298.8727803	2878.2819894513393	2822.015592472473	2816.337571591379	56.26629977695206	59.9503122681001
557	247	182597	-3981.141327	95.475713710250766	-00.813457	344061.6068203465	4373505.117441922	298.5658348	2876.5162730908	2820.54784971787	2814.917527232122	57.6457154696607	61.7865154696607
558	247	182598	-3321.141327	95.475713710250766	-00.8112068	344262.6085372635	4373501.10042871	297.751234316773	2875.254581865595	2816.4671936356262	2815.937328213132	58.573022996981	59.2573465482928
559	247	182599	-2661.141327	95.475713710250766	-00.8088692	344463.610272862	4373497.0482571602	297.0771136802198	2873.68370739863	2813.506596651186	2812.910342973376	60.135050974342296	60.7734362428691
560	247	182600	-2001.141327	95.475713710250766	-00.8065317	344664.6118552772	4373493.053067391	296.81467666769	2872.13646838775	2810.65763664126	2809.940473471155	61.4788147326263	62.19606095
561	247	182601	-1341.141327	95.475713710250766	-00.8041942	344865.6132872851	4373489.04899176	296.62109967131	2870.58438082238	2807.729505026113	2807.0445060939	62.8548743726536	63.53981341279904
562	247	182602	-681.1413269	95.475713710250766	-00.8018567	345066.614669052	4373485.013388049	296.344062695676	2869.028941237994	2804.6919252662734	2804.30676858806	64.7221726484677	64.7221726484677
563	247	182603	-1.1413269	95.475713710250766	-00.8000000	345267.6179079485	4373481.012269748	296.0565438	2867.477902167857	2803.6901896126374	2803.6901896126374	64.7221726484677	64.7221726484677
564	247	182604	6681.858677303514	95.475713710250766	-00.7978187	345468.6170067096	4373456.918990014	295.426198106785	2865.4114629819514	2802.51151667792	2802.51151667792	64.7221726484677	64.7221726484677
565	247	182605	1298.858677303514	95.475713710250766	-00.7948443	345669.6175149977	4373472.9828184596	295.665672333793	2864.358141122858	2799.635502088384	2792.30317862135	73.7223093445946	72.05406430129506
566	247	182606	1958.858677303514	95.475713710250766	-00.7925095	345870.6181978717	4373468.9628184596	295.665672333793	2862.804161028026	2787.52445295911	2792.162411040506	75.739179495062	70.6417499803417
567	247	182607	2618.858677303514	95.475713710250766	-00.7901694	346071.61873153714	4373464.951182208	294.9159256220213	2860.35249834234	2784.765044975878	2792.41781360568	76.4848337	68.83562671277605
568	247	182608	3278.858677303514	95.475713710250766	-00.7878319	346272.6191611692	4373463.930809808	294.613296011414	2859.705382655964	2782.49487695785	2782.49487695785	77.2109893291116	66.60483615643534
569	247	182609	3938.858677303514	95.475713710250766	-00.7854845	346473.6195250259	4373456.93087952	294.350664200006	2858.15987800022	2780.550374821405	2780.550374821405	77.6561703888164	63.75319871749291
570	247	182610	4598.1413269	95.475713710250766	-00.783157	346674.6195250259	4373452.93087952	294.350664200006	2856.5658348	2780.54784971787	2780.54784971787	78.6561703888164	63.75319871749291
571	247	182611	5258.858677303514	95.475713710250766	-00.7808195	346875.6195250259	4373448.89043171	293.294295960006	2855.05169831512	2778.443671714025	2778.443671714025	79.6561703888164	63.75319871749291
572	247	182612	5918.858677303514	95.475713710250766	-00.778482	347076.6195250259	4373444.85757173	292.9255626475236	2853.53324218212	2778.790528257627	2778.790528257627	79.6561703888164	63.75319871749291
573	247	182613	6578.858677303514	95.475713710250766	-00.7761446	347277.6188116141	4373440.766132427	292.754903413298	2852.00510248653	2783.954739739637	2783.954739739637	79.6561703888164	63.75319871749291
574	247	182614	7238.858677303514	95.475713710250766	-00.7738071	347478.6183065587	4373436.847028018	291.9919712075564	2850.473398457838	2781.93119063662	2781.93119063662	79.6561703888164	63.75319871749291
575	247	182615	7898.858677303514	95.475713710250766	-00.7714968	347679.6183065587	4373432.80351038	291.6879196429364	2848.939070338583	2783.878232785262	2783.878232785262	79.6561703888164	63.75319871749291
576	247	182616	8558.858677303514	95.475713710250766	-00.7691322	347880.6183065587	4373428.912925295	291.4847747245905	2847.4054747245905	2783.7617510670486	2783.7617510670486	79.6561703888164	63.75319871749291
577	247	182617	9218.858677303514	95.475713710250766	-00.7667872	348081.6183065587	4373424.912925295	291.4847747245905	2846.358141122858	2783.658141122858	2783.658141122858	79.6561703888164	63.75319871749291
578	247	182618	9878.858677303514	95.475713710250766	-00.7644372	348282.6183065587	4373420.912925295	291.4847747245905	2845.309645654563	2783.5497174025	2783.5497174025	79.6561703888164	63.75319871749291
579	247	182619	10538.858677303514	95.475713710250766	-00.7621198	348483.6183065587	4373416.79203179	291.4847747245905	2844.268658626437	2783.4426843023	2783.4426843023	79.6561703888164	63.75319871749291
580	247	182620	11198.858677303514	95.475713710250766	-00.7597823	348684.6183065587	4373412.79203179	291.4847747245905	2843.209645654563	2783.335497174025	2783.335497174025	79.6561703888164	63.75319871749291
581	247	182621	11858.858677303514	95.475713710250766	-00.7574488	348885.6183065587	4373408.79203179	291.4847747245905	2842.1598626437	2783.228643023	2783.228643023	79.6561703888164	63.75319871749291
582	247	182622	12518.858677303514	95.4757137102									

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
601	247	182701	64658.85867307335	954757.17170250766	39.49681638003595	-005.704477	364865.0322455697	4373008.411	2834.194492659063	2608.302698876365	2635.269152331358	54.75205067	63.03354560047084
602	247	182702	65318.85867307335	954757.17170250766	39.496811941718974	-005.5681102	3656.19610520159	4373008.414841793	2833.824871416695	2606.5383033466146	2633.743363343577	55.83230750808434	62.79490040033748
603	247	182703	66893.85867307335	954757.17170250766	39.496807456228004	-005.6557738	3653.6710686978064	4373008.41948905	2833.1850397903048	2604.781549	2632.7594127296887	62.02138704211334	61.922138704211334
604	247	182704	66318.85867307335	954757.17170250766	39.496802913686764	-005.5634035	3655.9671292746313	4373008.423963342	2829.2716498070038	2603.0203893811933	2633.94057853599	58.1011793311905	61.1011793311905
605	247	182705	67298.85867307335	954757.17170250766	39.4967983193915	-005.5610978	3657.683063202321	4373007.428687974	2826.385586147987	2601.290649456417	2631.502766442624	59.7878031793936	60.33727359135262
606	247	182706	67958.85867307335	954757.17170250766	39.4967905705372	-005.5587604	3659.9674087408484	4373008.4371258	2824.454896225133	2609.5576501221412	2628.092719047416	61.4648031794374	60.335785846675364
607	247	182707	68618.85867307335	954757.17170250766	39.4967890328099	-005.5564229	3661.70350589966	4373006.439	2820.415316248076	2607.830972	2624.72935714848276	61.1614817323268	59.3872338316187
608	247	182708	68278.85867307335	954757.17170250766	39.49678431577045	-005.5540855	3663.713405805799	4373006.444515771	2817.265995904947	2606.109651973515	2621.324529774498	61.7851220087111	58.67837252
609	247	182709	68938.85867307335	954757.17170250766	39.49677953095624	-005.5517748	3665.723200976604	4373006.51479604	2816.2365650100133	2610.038492462063	2620.3583768194035	60.3364007619068	59.64397438690796
610	247	182710	70598.85867307335	954757.17170250766	39.4967744588651	-005.5494106	3667.9781764771263	4373005.456	2810.9716477385	2602.678969671263	2614.956907413538	61.4407517381177	61.4407517381177
611	247	182711	71258.85867307335	954757.17170250766	39.4967688321133	-005.540731	3669.748957660703	4373004.462025478	2807.8834531365546	2600.962419316173752	2617.7394575961697	60.8400128867105	63.2284853737556
612	247	182712	71918.85867307335	954757.17170250766	39.4967649538547	-005.5447357	3671.75885363918	4373004.468313502	2804.83477009636	2609.259430813198	2614.811325464382	60.5562368675921	64.44807834881613
613	247	182713	72578.85867307335	954757.17170250766	39.49676005240115	-005.5423982	3673.678137386503	4373004.474808587	2801.7960408871575	2607.5543826913274	2608.041642331762	61.65776835819568	60.5562368675921
614	247	182714	73238.85867307335	954757.17170250766	39.49675506246493	-005.5400608	3675.87751236714	4373006.481514691	2798.7523347551925	2607.857423351925	2608.2768302044615	60.76893048206137	64.4528414457885
615	247	182715	73898.85867307335	954757.17170250766	39.49675009397451	-005.5372723	3677.84275185724	4373002.488482927	2793.578187784044	2604.751853825333	2608.943297641306	61.2053097841851	61.85212050347218
616	247	182716	74558.85867307335	954757.17170250766	39.496744982529065	-005.5351748	3679.782025112674	4373028.495533975	2796.213599674533	2607.46578802474	2611.032552063332	61.15316380857716	61.43323508
617	247	182717	75218.85867307335	954757.17170250766	39.4967382893103	-005.5330484	3681.8013627784	4373024.50288132	2778.806912150682	2607.778712	2613.252592	61.171515303585	61.5725292788991
618	247	182718	75878.85867307335	954757.17170250766	39.4967346017797	-005.530711	3683.817986760292	4373020.51402922	2771.524423433704	2609.06532587027	2615.627621532677	61.0929157449283	61.43491015439074
619	247	182719	76538.85867307335	954757.17170250766	39.4967294627073	-005.5283735	3685.827389903718	4373016.51810445	2763.78778851604	2607.420713129474	2616.858202723387	60.56209105713515	61.4345268590017
620	247	182720	77198.85867307335	954757.17170250766	39.49672418720928	-005.5260361	3687.7837689941146	4373012.5162140579	2765.752561176267	2616.818934806375	2626.6913671606117	61.43323508	61.43323508
621	247	182721	77898.85867307335	954757.17170250766	39.4967188299368	-005.5236986	3689.84735864363	4373008.534309968	2747.58022076642	2604.091729525704	2615.605417288284	60.5562368675921	61.43323508
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623	247	182723	79178.85867307335	954757.17170250766	39.49670819891961	-005.5190879	3693.926532091584	4373006.574934961	2737.6387745241	2600.98749745241	2612.087494421476	60.5562368675921	61.43323508
624	247	182724	79838.85867307335	954757.17170250766	39.4967025942186	-005.5166683	3695.97127240224	4372996.56007705	2734.163094233968	2609.754776407628	2612.037056070164	60.5562368675921	61.43323508
625	247	182725	80498.85867307335	954757.17170250766	39.496697214589624	-005.5134348	3697.886920915304	4372984.5705963	2724.9923245042	2602.959430151692	2617.0130321	60.5562368675921	61.43323508
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627	247	182727	81818.85867307335	954757.17170250766	39.4966861046482	-005.5096739	3701.90665565929	4372984.5721252	2726.361669381486	2604.851837412601	2604.7054850669197	59.934970115565	60.5562368675921
628	247	182728	82478.85867307335	954757.17170250766	39.49668048916256	-005.5073365	3703.91444511367	4372980.597343932	2725.605891120526	2602.68218014328	2599.63311950255	59.9761710285257	60.5562368675921
629	247	182729	83138.85867307335	954757.17170250766	39.49667468271961	-005.504889	3705.968265914564	4372980.597343932	2724.98749745241	2600.98749745241	2612.087494421476	60.5562368675921	61.43323508
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631	247	182731	84458.85867307335	954757.17170250766	39.4966633736005	-005.5003241	3709.94596838616	4372968.627492291	2721.7616263315584	2603.500586729956	2578.226022035715	58.700564662411	61.1681120238309
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634	247	182734	86438.85867307335	954757.17170250766	39.49664581916532	-005.4933118	3715.9757458232453	4372956.659202525	2707.001723892744	2604.812877293604	2591.90889456777	57.85078432356	60.5562368675921
635	247	182735	87098.85867307335	954757.17170250766	39.49663982779233	-005.4909743	3717.985285657403	4372956.659202525	2706.9869284177	2604.7212288524	2588.056107439233	58.258239548646	61.731231401702
636	247	182736	87758.85867307335	954757.17170250766	39.4966340126534	-005.4886748	3719.99518101927	4372948.073382579	2706.9869284177	2604.7212288524	2588.056107439233	58.258239548646	61.731231401702
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642	247	182742	91718.85867307335	954757.17170250766	39.4965976038698	-005.4746132	3732.050474447808	4372924.754117723	2700.6756974472564	2632.4069705858574	2567.566977211485	58.258239548646	61.731231401702
643	247	182743	92378.85867307335	954757.17170250766	39.49659186764816	-005.4723049	3734.06036977166	4372920.7658977166	2700.6756974472564	2632.4069705858574	2567.566977211485	58.258239548646	61.731231401702
644	247	182744	93038.85867307335	954757.17170250766	39.49658442530619	-005.4699734	3736.07136339264	4372916.779854941	2700.6756974472564	2632.4069705858574	2567.566977211485	58.258239548646	61.731231401702
645	247	182745	93698.85867307335	954757.17170250766	39.49657804	-005.4675999	3738.08335462037	4372912.793	2700.6756974472564	2632.4069705858574	2567.566977211485	58.258239548646	61.731231401702
646	247	182746	94358.85867307335	954757.17170250766	39.496571602527105	-005.4652625	3740.0933333552	4372908.80647186	2700.6756974472564	2632.4069705858574	2567.566977211485	58.258239548646	61.731231401702
647	247	182747	95018.85867307335	954757.17170250766	39.49656512403071	-005.462925	3742.10131005134	4372904.82026417	2700.6756974472564	2632.4069705858574	2567.566977211485	58.25	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevLogsKrg.ft	BRRElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
47	248	182827	-340581.1413	955417.3170250766	39.49283396470652	-102.0056174	214530.5516708696	4375782.96409764	347472605755194	323.8248849147062	3528.48351919221702	3534.849321752667	45.4569422489167	89.07952197
48	248	182828	-339921.1413	955417.3170250766	39.45285722405658	-102.0033003	24171.657058627	43757.7838668752	39447208540015	3622.490102332635	3527.916825923648	3534.769437008286	45.2904943	87.7206532380959
49	248	182829	-339261.1413	955417.3170250766	39.40301981146205	-102.008843	24182.36718073147	43757.45193.92	3942.471563339647	3612.365923204488	3517.5113342682972	3533.25433635371	45.19911372591736	87.789242591736
50	248	182830	-338601.1413	955417.3170250766	39.402930643324084	-102.009606	24173.6570685076	43757.663556338	3839.97104863007	3619.605708819267	3524.526823717706	3528.9775597217	45.07942031045609	90.623902201466
51	248	182831	-337941.1413	955417.3170250766	39.40296278524040	-102.0096268	24233.94716866307	43757.6641267022	3837.285247166261	3618.1607253207967	3523.176617028888	3526.94430504216	45.9844082	91.21633481658182
52	248	182832	-337281.1413	955417.3170250766	39.402948204013185	-102.0093317	242536.076527473	43757.6230648535	3844.417127420275	3616.71427329331	3521.86263378766	3525.027900257946	45.68615769516473	91.68613100160136
53	248	182833	-336621.1413	955417.3170250766	39.4029723364084	-102.0091594	242737.180126937	43757.5821136882	3841.534098314284	3615.266274238668	3520.426067	3522.5969572929234	45.84402674363865	92.66913634574532
54	248	182834	-335961.1413	955417.3170250766	39.40295994012383	-102.0089254	242938.28401888136	43757.54.06390398	3828.672303382826	3613.818687176964	3519.113681299437	3519.693321839241	44.70302541825599	94.12306487845533
55	248	182835	-335301.1413	955417.3170250766	39.40291891146205	-102.0086203	243139.367618073147	43757.45193.92	3828.672303382826	3612.365923204488	3517.5113342682972	3533.25433635371	45.4569422489167	89.07952197
56	248	182836	-334641.1413	955417.3170250766	39.40294187167559	-102.0084381	243340.4906716725	43757.45193.92	3825.50021652611	3610.97188221818	3516.044336965225	3514.7800953759584	45.86895153911952	96.1330292585964
57	248	182837	-333881.1413	955417.3170250766	39.40306468870431	-102.0082246	243541.594056741	43757.41.7346794	3824.342702356818	3609.458472213701	3514.3866745797277	3517.284812984256	45.7071793367335	98.18359592
58	248	182838	-333231.1413	955417.3170250766	39.403067514608156	-102.0079908	243742.6699893127	43757.37.58959368	3823.1851899020244	3608.01830925185	3513.0224223405252	3507.84102540454	44.9776076463233	101.76765005011302
59	248	182839	-332661.1413	955417.3170250766	39.40311029536713	-102.0077516	243943.7994852946	43757.36.48868728	3821.1855	3606.343098772054	3511.741781391457	3504.1021294805	44.90212849	102.43890758312046
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62	248	182842	-330681.1413	955417.3170250766	39.4031783677431	-102.0070501	244547.1057215237	43757.21.0961157	3812.470971941301	3602.165313079376	3508.200221411146	3504.433036569101	44.93469256823063	108.731374102754
63	248	182843	-330021.1413	955417.3170250766	39.4032009665331	-102.0068223	244748.2072943326	43757.16.93336284	3809.6126618159535	3600.71709431618	3507.6398989242467	3489.934929121295	44.93742005737116	110.7773651948837
64	248	182844	-329361.1413	955417.3170250766	39.40322351298718	-102.0065858	244949.3086144375	43757.12.850733384	3807.691882511515	3599.2657932769	3505.6829869712076	3487.095190973154	44.9376705649134	112.1717835454963
65	248	182845	-328701.1413	955417.3170250766	39.40324603817593	-102.0063486	245150.4068204112	43757.08.728	3805.471113466705	3597.8278706645316	3506.114962680152	3486.086097354816	44.91720081841639	111.74177348990501
66	248	182846	-328041.1413	955417.3170250766	39.40326849661957	-102.0061215	245351.51049741573	43757.04.606	3803.2503392911737	3596.36436106114	3505.503905263017	3485.0625247424366	44.90925057981227	110.744188660173734
67	248	182847	-327381.1413	955417.3170250766	39.40329098117	-102.0058743	245562.61102487320	43757.0.4421708	3799.64309969848	3594.972910255034	3504.70944899189	3487.448622	44.900363858463	107.5248228183948
68	248	182848	-326721.1413	955417.3170250766	39.40331320967082	-102.0056371	245753.713723216	43757.06.364265803	3794.639434186072	3593.574702433695	3503.71701508596	3489.042801155645	44.90063685	105.41486011803036
69	248	182849	-326061.1413	955417.3170250766	39.4033361959768	-102.0053916	245959.08912259	43757.08.40649473	3793.050480105458	3592.461768853728	3501.432594892394	3487.09454892394	44.9172254426383	108.7307704440114
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71	248	182851	-324741.1413	955417.3170250766	39.403379341315785	-102.0049256	246357.0107971356	43756.983.99815254	3779.36027305326	3589.369992101328	3496.3717848348097	3491.1232346150906	44.92690272665184	98.23764595
72	248	182852	-324081.1413	955417.3170250766	39.40340230729396	-102.0047184	246558.11010390014	43756.97.8722304	3776.591265193397	3587.9951908674575	3492.47284369733	3488.7138701511217	44.9252344986747	99.28132071633581
73	248	182853	-323421.1413	955417.3170250766	39.403424485755376	-102.00448513	246759.2091592762	43756.96.2581766	3773.1681042013524	3586.6295245095302	3488.759783600323	3487.919646950393	44.92690272665184	100.70877502920753
74	248	182854	-322761.1413	955417.3170250766	39.40344658934861	-102.0042514	246960.308604115	43756.97.63483801	3762.5311263670132	3585.2686756418916	3484.7486235206698	3482.513685489	44.92500521211287	102.75480979231043
75	248	182855	-322101.1413	955417.3170250766	39.4034686674781704	-102.0040178	247161.4086183816	43756.97.51263822	3760.50480105458	3584.3266179175	3483.682591873215	3481.21807691353508	44.91280791853565	108.7307704440114
76	248	182856	-321441.1413	955417.3170250766	39.4034907167559	-102.0037897	247367.302002772	43756.96.50245338	3759.36027305326	3583.945818691	3481.71768853728	3478.05407384243	44.9172254426383	105.759401
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78	248	182858	-320121.1413	955417.3170250766	39.4035345521248	-102.0033165	247764.7007811692	43756.95.16778051	3757.969467141417	3579.86462113432	3470.171564184544	3470.3473007173	44.90976978288877	105.5209204169883
79	248	182859	-319461.1413	955417.3170250766	39.403556430064615	-102.0030821	247965.783800836	43756.95.0326657	3756.2819051899	3578.5289515000586	3467.525554625866	3468.595389453459	44.91042968741923	109.9346260545976
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81	248	182861	-318141.1413	955417.3170250766	39.40360000503153	-102.0026138	248367.969781727	43756.94.7924857	3753.026371913635	3575.588853855363	3463.17927026659	3463.17513453047	44.91042968741923	109.7213396965457
82	248	182862	-317481.1413	955417.3170250766	39.403621827146175	-102.0023816	248569.09591259	43756.94.68049473	3751.9111527454	3574.512594892394	3461.32594892394	3461.32594892394	44.91042968741923	109.7213396965457
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85	248	182865	-315501.1413	955417.3170250766	39.4036867941155	-102.0016805	249172.37345921	43756.92.3253138	3749.2567070481336	3569.6264400538954	3462.275692666048	3462.275692666048	44.91042968741923	109.7213396965457
86	248	182866	-314841.1413	955417.3170250766	39.4037083190535	-102.0014478	249373.474209722	43756.92.27063829	3747.666764545867	3569.19503428387	3465.195628152564	3461.1758403903824	44.91042968741923	109.7213396965457
87	248	182867	-314181.1413	955417.3170250766	39.403729827804353	-102.0012106	249574.5689147235	43756.91.08999072	3746.3047804164	3568.96599115279	3463.862755655328	3463.862755655328	44.91042968741923	109.7213396965457
88	248	182868	-313521.1413	955417.3170250766	39.4037512916836	-102.0009734	249756.6513265297	43756.91.9724362	3742.50313358473	3566.532287941634	3462.5057285181	3461.6547149484	44.91042968741923	109.7213396965457
89	248	182869	-312861.1413	955417.3170250766	39.4037729167559	-102.0007397	249957.729167559	43756.91.8186871	3740.65524167559	3564.65524167559	3460.65524167559	3460.65524167559	44.91042968741923	109.7213396965457
90	248	182870	-312201.1413	955417.3170250766	39.40379410580727	-102.0005119	250157.7750526127	43756.90.73304055	3738.36434923414	3563.3663803312	3460.7691079003	3460.7691079003	44.91042968741923	109.7213396965457
91	248													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBthKgr.f	SatHtKgr.f	SatHtBoth.f
173	182953	-257421.1413	955417.3170250766	39.49541136673226	-101.71111266	266687.88375799044	4732564.769131102	3613.980040501958	35.51229913912474	3307.3476732892127	3306.6079076605874	145.1653181020347	145.90508376036995	
174	182954	-256761.7413	955417.3170250766	39.49542895559824	-101.70871837	2651486.956842086	4732562.470380893	3608.849957524713	35.51284395297986	3306.83187473720235	3306.435936012746	144.8943632852042	144.8943632852042	
175	182955	-256191.1413	955417.3170250766	39.49543086397885	-101.6924087	267270.0339636994	4732566.371158178	3605.6999440010938	35.50299944224942	3306.8887172497132	3305.210028	144.8494904536928	144.8494904536928	
176	182956	-255441.1413	955417.3170250766	39.4954639776673	-101.7041747	267471.107410502	4732570.47491984	3603.6289076589967	35.48837540005408	3306.874740006723	3306.561101	141.961000446848	142.4274631210766	
177	182957	-254781.1413	955417.3170250766	39.49548151146034	-101.7017774	267672.1815633005	4732572.343038984	3601.8582335026035	35.4760922734042	3306.8724197513325	3305.797623072121	140.7350297910665	141.8120604232313	
178	182958	-254121.1413	955417.3170250766	39.4954888937588	-101.6994401	267873.2553824184	4732544.276	3546.7607560256037	35.4616881161058	3307.0053279643709	3305.305862870121	139.750297910665	141.8120604232313	
179	182959	-253461.1413	955417.3170250766	39.495516222456196	-101.6971028	268074.3290195185	4732540.17772594	3598.021767111657	35.45146881161058	3307.0053279643709	3305.305862870121	138.436015	141.0840253	
180	182960	-252801.1413	955417.3170250766	39.49553340436994	-101.6947654	268275.4027433545	4732536.08	3595.691752747173	35.443191029821635	3306.2754294917477	3302.838383101496	137.6349003298874	141.0719467201402	
181	182961	-252141.1413	955417.3170250766	39.4955508136818	-101.6924087	268476.4786075819	4732531.86238694	3594.2977455337838	35.442761102140904	3304.225477	3299.8900268165285	138.4381350403333	141.0719467201402	
182	182962	-251481.1413	955417.3170250766	39.49556804079979	-101.6900498	268677.5485589478	4732527.88497723	3590.93511459593	35.441429531129006	3304.225477	3295.7185658981651	140.170374	145.710574259465	
183	182963	-250821.1413	955417.3170250766	39.4955852228173	-101.6877538	268876.621821569	4732523.787793025	3587.576576	35.44023694116832	3297.912338102972	3291.53459485816832	145.710574259465	145.710574259465	
184	182964	-250161.1413	955417.3170250766	39.4956023061402	-101.6854162	269079.6937740414	4732519.6909391295	3583.221536915874	35.438295709058054	3294.514757357527	3286.39676084738	144.414593054327715	152.6569990534732	
185	182965	-249501.1413	955417.3170250766	39.49561945279657	-101.6830789	269280.7660440917	4732515.59402195	3578.866497875599	35.4376705946713	3291.070776	3279.998421222363	145.710574259465	152.6569990534732	
186	182966	-248841.1413	955417.3170250766	39.49563649829308	-101.6807415	269481.8380849509	4732511.498	3574.511458304278	35.436405475838278	3287.4635959531584	3275.2540520630914	144.941913606941	164.1514237799883	
187	182967	-248181.1413	955417.3170250766	39.495653501712454	-101.6784042	269682.90899949567	4732507.401238034	3568.6339497320405	35.435139304208843	3283.789321189442	3261.4954959948287	144.941913606941	164.1514237799883	
188	182968	-247521.1413	955417.3170250766	39.4956704544571	-101.6760469	269883.8614829335	4732503.305	3561.23933059046	35.43385981779379	3279.634942536917	3245.68071689597	142.01032407618	188.1750909	
189	182969	-246861.1413	955417.3170250766	39.495687370029124	-101.6737296	270085.0528414773	4732519.290236761	3553.838992468767	35.432739232992927	3275.774689763171	3224.185643282076	156.79813291228	208.3842586900217	
190	182970	-246201.1413	955417.3170250766	39.4957042364626	-101.6713922	270286.1327932965	4732515.11355935	3546.4408274163267	35.431285399374964	3271.382675920564	3195.434193011124	159.9027234	235.8512036333023	
191	182971	-245541.1413	955417.3170250766	39.49572105774628	-101.6690549	270487.1948	4732519.018	3538.30401102699	35.42993632	3267.388633087545	3164.4075400775	165.60518835071517	265.56876917468497	
192	182972	-244881.1413	955417.3170250766	39.49573783387998	-101.6667176	270688.26555759215	4732516.982233879	3523.42965804717	35.42869812635084	3263.637761534927	3155.7986847093994	165.0640081659148	262.892976666488	
193	182973	-244221.1413	955417.3170250766	39.49575456486372	-101.6643802	270889.3360104774	4732518.828	3525.55449942939	35.427394267543037	3259.956984610436	3199.0719839839797	167.441421236878	241.30622781572401	
194	182974	-243561.1413	955417.3170250766	39.4957712508747	-101.6620429	271004.4062374622	4732517.83294652	3516.787997193404	35.42649432477101	3256.304383566407	3196.0719324017162	226.3529432491762	226.3529432491762	
195	182975	-242901.1413	955417.3170250766	39.49578807873388	-101.6597656	271207.478791584195	4732517.458384954	3514.748384954	35.42571286245254	3254.671467274	3229.33891612845	169.2991612845	169.2991612845	
196	182976	-242241.1413	955417.3170250766	39.49580446991478	-101.6573963	271462.540145537	4732517.543079134	3513.849056216165	35.423486748777637	3248.732639918905	3218.822772104576	174.753908785062	204.6530767300992	
197	182977	-241581.1413	955417.3170250766	39.49582107229832	-101.6550309	271683.6156550174	4732516.497539934	3512.920182976163	35.422187316976164	3244.817631967164	3214.8226328109082	177.763817556682	195.355176150682	
198	182978	-240921.1413	955417.3170250766	39.495837542531724	-101.6526936	271894.684905132	4732515.75389651	3511.991154953935	35.42091048215475	3241.004164302393	3225.89833504401	179.88594051915425	194.9047131714633	
199	182979	-240261.1413	955417.3170250766	39.495854002614876	-101.6503563	272095.7399108266	4732515.582	3510.95429165848	35.4200949165848	3237.6446614569545	3225.89833504401	191.58357316793126	191.58357316793126	
200	182980	-239601.1413	955417.3170250766	39.49587047154805	-101.6480189	272296.8226695873	4732515.168427436	3506.424112336055	35.41829825813688	3235.014485771007	3225.89833504401	188.5849262302416	188.5849262302416	
201	182981	-238941.1413	955417.3170250766	39.495887873388	-101.6456876	272487.8915184195	4732515.0761386	3504.2977455337838	35.417086349171514	3224.70229299667	3214.89126119877	184.2991612845	184.2991612845	
202	182982	-238281.1413	955417.3170250766	39.49590311371575	-101.643342	272688.9604557575	4732515.0031439	3499.62070	35.41589596895795	3220.753537172	3208.504191234656	185.4283419016738	187.191703643392	
203	182983	-237621.1413	955417.3170250766	39.49591939145386	-101.6410069	272900.028247172	4732514.9810265	3494.2096151529176	35.414387510884391	3228.26120464538	3227.691571642545	186.1258904	186.699330720173	
204	182984	-236961.1413	955417.3170250766	39.49593562578582	-101.6386696	273101.09622801776	4732513.796440915	3486.7891404915	35.4137220545071	3231.195785218014	3231.03768046602	181.875896	182.0345648889914	
205	182985	-236301.1413	955417.3170250766	39.49595181496434	-101.6363322	273302.1639839412	4732513.70321301	3479.366876802746	35.4128639952237	3233.8594707406323	3234.4803412729966	177.88916425459138	177.88916425459138	
206	182986	-235641.1413	955417.3170250766	39.4959679589966	-101.6339949	273503.2315915413	4732513.6160771	3471.948207627661	35.4110415151499561	3235.935240894768	3237.07366838498	179.4791060479308	173.1282311133463	
207	182987	-234981.1413	955417.3170250766	39.4959846	-101.6316785	273704.2998	4732513.519935324	3467.01020541799	35.409703884573826	3237.498726625562	3238.915712132887	171.764224263225	185.2945967830439	
208	182988	-234321.1413	955417.3170250766	39.49600111506784	-101.6293022	273905.3651092123	4732513.427748949	3464.55468	35.40871286245254	3236.640714687294	3234.29879146718	169.2991612845	169.2991612845	
209	182989	-233661.1413	955417.3170250766	39.4960161018979	-101.6269828	274106.4327408794	4732513.316731763	3462.01120256122	35.4076311731756	3236.9131955672264	3234.534468179567	167.021917076942	165.7376682124361	
210	182990	-233001.1413	955417.3170250766	39.49603206319121	-101.6246455	274307.949146556	4732513.24493987	3459.643580251836	35.406435968232223	3236.919245760005	3234.652317944034	165.262440722176	165.262440722176	
211	182991	-232341.1413	955417.3170250766	39.496048	-101.6223801	274508.566832251	4732513.15349618	3460.424033312385	35.40528951784666	3239.55638916538	3239.55638916538	159.9591760873219	159.9591760873219	
212	182992	-231681.1413	955417.3170250766	39.49606387502642	-101.6199708	274709.6230287987	4732513.052602026	3464.4296412965842	35.404212676282483	3239.3633274413223	3239.3633274413223	158.743554116065	158.743554116065	
213	182993	-231021.1413	955417.3170250766	39.49607970300414	-101.6176334	274910.69800277275	4732513.071722901	3468.438562241904	35.40308506567813	3239.1400450798196	3239.1400450798196	157.5548951169618	157.5548951169618	
214	182994	-230361.1413	955417.3170250766	39.4960954853125	-101.6152961	275113.7637549684	4732513.0156804	3462.744761931977	35.40229329518423	3238.7418585217343	3234.778173403823	156.4014035308995	156.4014035308995	
215	182995	-229701.1413	955417.3170250766	39.4961120916078	-101.6129322	275318.9349648253	4732513.006362625	3459.130922690011	35.4014035308995	3238.7418585217343	3234.778173403823	155.1303517791881	155.1303517791881	
216	182996	-229041.1413	955417.3170250766	39.4961269136017	-101.6106214	275513.8945468253	4732513.006362625	3457.215837546796	35.40063137917224	3238.7418585217343	3234.778173403823	154.840474591792	154.840474591792	
217	182997	-228381.1413	955417.3170250766	39.4961426340852	-101.608284	275714.9596820075	4732513.01736604	3457.31586791611	35.40002125423966	3238.7418585217343	3234.778173403823	154.840474591792	154.840474591792	
218	182998	-227721.1413	955417.3170250766	39.49615816532835</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevBothKrg.ft	SurfBothKrg.ft	
298	248	183079	-174261.1413	955417.3170250766	39.49277197960361	-101.166178	292201.56407928653	4374749.960847373	3244.734069	3254.991877333769	3140.1256324979227	3137.3220442044804	114.86624313584638	117.69683329382863
300	248	183080	-173601.1413	955417.3170250766	39.49272389737302	-101.1424204	252402.61152737538	4374746.888537129	3246.9722419546084	3253.560087	3139.0547232579333	3135.07137538219	114.5036379561659	118.49736945123087
301	248	183081	-172941.1413	955417.3170250766	39.49276513189846	-101.11149	208632.6382723332	4374741.816511428	3248.210413788119	3247.8800000000007	3137.8429039203458	3134.2786298926884	114.2904049814518	117.88400498148165
302	248	183082	-172281.1413	955417.3170250766	39.4937076145303	-101.4090564	20884.70851323915	4374737.744661991	331.4448586017073	3250.7416104098967	3138.5790281072304	3132.964306325653	114.16258194266629	117.7773072424367
303	248	183083	-171621.1413	955417.3170250766	39.4973193257639	-101.4072681	239305.7560566655	4374735.637024091	3432.2745624660977	3249.36580267535	3137.3736599894131	3131.644728552139	114.5847195186202	117.7136509061446
304	248	183084	-170961.1413	955417.3170250766	39.4973104492113	-101.4045307	293206.799284302	4374729.602	3432.2915297059644	3247.93008499327	3133.1472634009514	3131.1296782200975	114.61491324498134	118.64032600823527
305	248	183085	-170301.1413	955417.3170250766	39.49734271892544	-101.4025933	293407.48517592964	4374725.53083772	3432.2915297059644	3246.688710323156	3131.5185715502327	3130.5182993514195	115.13029948207986	116.1305271689604
306	248	183086	-169641.1413	955417.3170250766	39.49735434777713	-101.4002558	293809.891894147285	4374721.45938631	3431.92339759592	3245.32365	3129.83582296137	3130.369413225515	115.48783174775326	116.4354214683746
307	248	183087	-168981.1413	955417.3170250766	39.49735914717554	-101.3979184	293809.891894147285	4374717.3888599897	3430.8173158944777	3244.018236497972	3128.04568903415	3130.066996	115.64141616056531	116.3483295864794
308	248	183088	-168321.1413	955417.3170250766	39.4973774700206	-101.395681	294010.932971326	4374713.31820475	3428.78824465537	3242.72662915427	3127.95683775375	3130.0471703946	115.939746014452	111.8885515159679
309	248	183089	-167661.1413	955417.3170250766	39.49738863413094	-101.3932438	294122.00941382077	4374709.24761003	3428.7614091985067	3241.466781485066	3124.987889893084	3128.641991033335	116.478918159182	112.8247719147938
310	248	183090	-167001.1413	955417.3170250766	39.49740041165219	-101.3909061	294413.07482269536	4374705.177510323	3424.733559677438	3240.201360505265	3123.190765050461	3125.644165414757	117.02293705479526	114.75597063549912
311	248	183091	-166341.1413	955417.3170250766	39.4974118147308	-101.3885687	294614.1200944174	4374701.107517722	3422.73526627438	3239.90026874295	3121.959389	3122.418757884417	117.0307987998515	116.57148079898515
312	248	183092	-165681.1413	955417.3170250766	39.497423172670835	-101.3862312	294815.1651	4374697.037845402	3420.898041697516	3237.724598902287	3119.8262897344357	3118.41624665709	117.94671015579297	118.1510132324238
313	248	183093	-165021.1413	955417.3170250766	39.4974344654039	-101.3838398	295016.2098791725	4374692.98331351	3419.8140941006545	3236.587127603823	3117.681620535275	3118.79054860710322	118.7690470839062	118.77757983396052
314	248	183094	-164361.1413	955417.3170250766	39.49744553767074	-101.3815564	295217.2548919883	4374689.89029857	3417.137867960073	3235.32145384993	3115.88277104181	3114.4247982419383	119.422868207092	120.8934714293193
315	248	183095	-163701.1413	955417.3170250766	39.497456975549795	-101.3792189	295418.29890375945	4374684.829409019	3415.1410314705928	3234.0271588329527	3114.8281602845676	3112.7168525768966	119.1998985438312	121.13266291391
316	248	183096	-163041.1413	955417.3170250766	39.49746815286962	-101.3768815	295619.34117493	4374681.07612736	3413.02745456138	3232.38520360886	3111.3904740982587	3110.1390710530124	121.53483734776592	
317	248	183097	-162381.1413	955417.3170250766	39.497479285036164	-101.374554	295820.3871251487	4374676.769239761	3410.914052771624	3231.30208903511	3114.5542041637773	3110.15338423336	116.74874073739351	121.14867408014276
318	248	183098	-161721.1413	955417.3170250766	39.4974903740939	-101.3722066	296021.43003515816	4374672.6934478	3408.800571	3229.93567288184	3114.720336633122	3114.625630655016	121.4674379008438	
319	248	183099	-161061.1413	955417.3170250766	39.4975014139028	-101.3698692	296222.4744498394	4374668.555742037	3406.773680350927	3228.57880164808	3114.177517888481	3114.8730371971887	114.780413632667	120.441769881971
320	248	183100	-160401.1413	955417.3170250766	39.49751241015805	-101.3673317	296423.5719544351	4374664.48767543	3404.23768777088	3227.235712603823	3113.702540767066	3107.069847295723	115.531907823156	120.1657348253682
321	248	183101	-159741.1413	955417.3170250766	39.4975233916889	-101.364871	296624.561162122	4374650.4189584097	3402.8198000000007	3226.09112757962	3110.851821757962	3110.699348290494	115.3483295864794	
322	248	183102	-159081.1413	955417.3170250766	39.4975342658768	-101.3625858	296825.60417542595	4374656.35255669	3400.952796528938	3224.5071964145	3112.227934410045	3110.5159005008	112.3690851030555	119.445420546443
323	248	183103	-158421.1413	955417.3170250766	39.49754512981515	-101.3605194	297026.648686578	4374652.28486373	3398.26828669678	3223.304105186534	3111.38911022706	3103.93186218287	111.98951841638279	119.2712032052743
324	248	183104	-157761.1413	955417.3170250766	39.4975559459089	-101.3581819	297227.68985782	4374648.217684256	3397.885744	3222.08236117741	3110.2592918148907	3105.59806338725	111.7689430285029	116.4301727340161
325	248	183105	-157101.1413	955417.3170250766	39.49756672	-101.3558445	297428.73201162915	4374643.701761818	3396.487840892824	3220.770982	3109.1291780282877	3103.8511823950571	116.6418036673257	116.9197309098432
326	248	183106	-156441.1413	955417.3170250766	39.49757744	-101.353507	297629.774225399	4374640.08396142	3396.08985780088	3219.5307091802642	3107.834447485323	3101.6999646182385	111.72086543173191	117.8308629879782
327	248	183107	-155781.1413	955417.3170250766	39.4975881236612	-101.3511698	297830.8162417073	4374637.18148426	3395.237947779986	3218.36907	3106.619153410208	3099.3013972178158	111.6993481870848	
328	248	183108	-155121.1413	955417.3170250766	39.4975991	-101.3488521	298031.8590591	4374631.95087459	3394.785319654059	3217.80934352462	3104.888956140594	3101.8094371170567	111.6779317170567	122.0060221940847
329	248	183109	-154461.1413	955417.3170250766	39.49760934907057	-101.3464497	298232.899674603	4374627.84066983	3388.625383379593	3215.9050521973604	3104.298824221221	3098.57673206396	111.6066779613951	126.33473899042625
330	248	183110	-153801.1413	955417.3170250766	39.49761988424476	-101.3441572	298434.914099845	4374623.81891049	3386.31955689028	3214.725641015224	3103.07304348358	3092.54731298575	111.7183069668681	122.1783069668681
331	248	183111	-153141.1413	955417.3170250766	39.49763032426025	-101.3418198	298634.9824346855	4374619.753	3384.1409392482	3213.557883232944	3102.136906981901	3094.344621589231	111.42178715139335	119.213253028942
332	248	183112	-152481.1413	955417.3170250766	39.49764084913074	-101.3394823	298836.0234	4374615.687882029	3382.088901532766	3212.38935205915	3101.191239	3095.1185519159093	111.7158229495	117.2798032031561
333	248	183113	-151821.1413	955417.3170250766	39.49765125884183	-101.3371449	299037.604785057	4374611.62621299	3380.93634	3211.2425407058	3100.288088	3096.5856624411	110.95316	115.5548964642681
334	248	183114	-151161.1413	955417.3170250766	39.497662162336929	-101.3348074	299238.619410273	4374607.557446146	3379.987527464146	3210.281161177068	3098.6276944526047	3095.7554795281647	114.352424745263	
335	248	183115	-150501.1413	955417.3170250766	39.49767194	-101.33247	299438.145345125	4374603.492708245	3378.616875291473	3208.93149471978	3098.9324929117015	3096.39414389893	110.8989203549625	112.219061482085
336	248	183116	-149841.1413	955417.3170250766	39.49768222	-101.3301325	299640.1855334466	4374599.428	3369.926172276909	3207.732294678667	3097.981876005003	3096.11641879479	109.750420427864	111.615799891811
337	248	183117	-149181.1413	955417.3170250766	39.49769264149664	-101.3277951	299841.2256205556	4374595.363522405	3365.236546260225	3206.530697592616	3097.413432147654	3095.860918314946	109.11693254961	110.6964529
338	248	183118	-148521.1413	955417.3170250766	39.4977026300237	-101.3254576	300042.26547049196	4374591.299422439	3360.546386243803	3205.3006333449	3096.951599308065	3095.47510876738	108.34846397234242	109.4592545641361
339	248	183119	-147861.1413	955417.3170250766	39.49771276888134	-101.3231022	300243.3051189592	4374587.2334445215	3358.934319	3204.038577611233	3096.181578	3094.021764862755	107.85227955275332	108.102977847779
340	248	183120	-147201.1413	955417.3170250766	39.49772286516705	-101.3207627	300444.3457336296	4374583.171685732	3357.400348172704	3202.733663937954	3095.367430939404	3094.090740024977	107.356193	110.63003088177
341	248	183121	-146541.1413	955417.3170250766	39.4977329536987	-101.3184074	300645.38122091467	4374579.18296743	3356.489034616916	3201.9540321704813	3094.95349312704613	3093.95349312704613	107.286337123027	
342	248	183122	-145881.1413	955417.3170250766	39.49774291425567	-101.3161078	300846.422893061	4374575.407423345	3354.332404053227	3200.93357757027	3093.9637305574074	3092.78717268344	107.1601453782628	107.1801148375828
343	248	183123	-145221.1413	955417.3170250766	39.49775287249952	-101.3137703								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
426	248	183205	-91101.14133	955417.3172025076	39.48841578	-11.1220969	171532.0042369537	437242.3854082687	3027.6588230843126	2860.542279189297	2986.375050658853	2984.7182273839087	91.44252853	95.8060518026978
426	248	183206	-90441.14133	955417.3172025076	39.48842193033524	-11.1197584	171537.027611547745	437423.478503771	3206.5523202952525	2862.482298507384	2984.7182273839087	2984.7182273839087	91.44252853	95.8060518026978
427	248	183207	-88917.14133	955417.3172025076	39.48842193033524	-11.1197584	171537.027611547745	437423.478503771	3206.5523202952525	2862.482298507384	2984.7182273839087	2984.7182273839087	91.44252853	95.8060518026978
428	248	183208	-89121.14133	955417.3172025076	39.4884237826627	-11.1150484	171815.0738388101	437256.36790006	3075.41372778915	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
429	248	183209	-88461.14133	955417.3172025076	39.48844033149924	-11.1127469	171836.0966840184	437222.343031531	3205.42031492598	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
430	248	183210	-87801.14133	955417.3172025076	39.4884463827845	-11.1104094	171857.1193518735	437218.2983101	3205.1888071329628	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
431	248	183211	-87411.14133	955417.3172025076	39.4884632745178	-11.1080719	171878.1814825782	437242.253749327	3203.381271184963	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
432	248	183212	-86481.14133	955417.3172025076	39.48845306869985	-11.1057344	171893.1641563339	437210.209496469	3203.034027518963	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
433	248	183213	-85821.14133	955417.3172025076	39.48846420113287	-11.1033969	171910.196293331	437206.415368898	3186.67852842592	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
434	248	183214	-85161.14133	955417.3172025076	39.4884705024077	-11.1010594	171931.2082538343	437202.12480565	3193.313886	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
435	248	183215	-84501.14133	955417.3172025076	39.4884758149333	-11.0987219	171942.2030037982	437198.0730533	3190.67925800113	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
436	248	183216	-83841.14133	955417.3172025076	39.48848161	-11.0963384	171943.2516460133	437194.034337261	3188.766184043365	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
437	248	183217	-83181.14133	955417.3172025076	39.48848732663287	-11.0940469	171944.2730718121	437189.091083367	3186.860363682001	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
438	248	183218	-82521.14133	955417.3172025076	39.4884929951177	-11.0917094	171945.2943545172	437185.948040172	3184.959052606446	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
439	248	183219	-81861.14133	955417.3172025076	39.48849681845144	-11.0893719	171946.3154154051	437181.505208235	3183.846020312994	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
440	248	183220	-81201.14133	955417.3172025076	39.488501419602782	-11.0870434	171947.33623099035	437177.862587549	3182.7529475170167	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
441	248	183221	-80541.14133	955417.3172025076	39.4885092964884	-11.0846968	171948.3570514806	437173.7820178099	3181.712389919911	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
442	248	183222	-79881.14133	955417.3172025076	39.48851251751476	-11.0823593	171949.3767077017	437169.777981881	3180.7914812413	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
443	248	183223	-79221.14133	955417.3172025076	39.4885206072531	-11.0800218	171950.39879897	437165.759927881	3179.651084453004	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
444	248	183224	-78561.14133	955417.3172025076	39.48852605738005	-11.0776843	171951.418194241	437161.629412111	3178.6203916704	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
445	248	183225	-77901.14133	955417.3172025076	39.48853140174058	-11.0753488	171952.4382266213	437157.65265237	3158.532711995071	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
446	248	183226	-77241.14133	955417.3172025076	39.4885367184258	-11.0730393	171953.458964671	437153.611299169	3155.253984112994	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
447	248	183227	-76581.14133	955417.3172025076	39.48854201743206	-11.0707474	171954.4792246841	437149.57158986	3152.034161794777	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
448	248	183228	-75921.14133	955417.3172025076	39.4885471964286	-11.068343	171955.492729489	437145.525929585	3150.31474134904	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
449	248	183229	-75261.14133	955417.3172025076	39.488552822683	-11.0659968	171956.51661658706	437141.4880661	3150.311959742306	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
450	248	183230	-74601.14133	955417.3172025076	39.48855748450026	-11.0636593	171957.5357804578	437137.4748	3148.992635	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
451	248	183231	-73941.14133	955417.3172025076	39.48856257317845	-11.0613218	171958.554712879	437133.407699998	3146.3522400122847	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
452	248	183232	-73281.14133	955417.3172025076	39.48856761263028	-11.0589843	171959.5736892818	437129.36713643	3143.657737300947	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
453	248	183233	-72621.14133	955417.3172025076	39.48857260378734	-11.0566876	171960.592246486	437125.31675896	3142.7327738431	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
454	248	183234	-71961.14133	955417.3172025076	39.4885779104789	-11.0543092	171961.618073591	437121.28073431	3141.78411165714	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
455	248	183235	-71301.14133	955417.3172025076	39.488582450635205	-11.0519717	171962.6200831155	437117.24821395	3140.658435659701	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
456	248	183236	-70641.14133	955417.3172025076	39.4885873032602	-11.0496342	171963.671370214	437113.20929356	3140.14111822493	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
457	248	183237	-69981.14133	955417.3172025076	39.488592118861396	-11.0472967	171964.63964651	437109.173048822	3139.342962000316	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
458	248	183238	-69321.14133	955417.3172025076	39.48859688224134	-11.0449592	171965.682792325	437105.13129191	3138.65771470193	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
459	248	183239	-68661.14133	955417.3172025076	39.4886016246815	-11.0426217	171966.706935958	437101.09298164	3137.734540363796	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
460	248	183240	-68001.14133	955417.3172025076	39.4886064246384	-11.0402842	171967.718035704	437097.054521182	3136.82541617847	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
461	248	183241	-67341.14133	955417.3172025076	39.488611051	-11.0379466	171968.7350734929	437093.016333798	3135.98445636819	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
462	248	183242	-66681.14133	955417.3172025076	39.48861549220873	-11.0356091	171969.752404409	437089.78395478	3135.1099728	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
463	248	183243	-66021.14133	955417.3172025076	39.48862008111335	-11.0332716	171970.769381843	437084.8491	3134.26918845484	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
464	248	183244	-65361.14133	955417.3172025076	39.4886245265389	-11.0309341	171971.7860988167	437080.903004207	3133.361062380129	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
465	248	183245	-64701.14133	955417.3172025076	39.48862897554997	-11.0285966	171972.8068986807	437076.865968938	3132.509557964124	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
466	248	183246	-64041.14133	955417.3172025076	39.4886332969503	-11.0262591	171973.8191085436	437072.829	3131.602876931716	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
467	248	183247	-63381.14133	955417.3172025076	39.4886379541861	-11.023914	171974.839164891	437068.79164891	3130.754516194877	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
468	248	183248	-62721.14133	955417.3172025076	39.4886420349818	-11.021584	171975.851430265	437064.75409492	3129.8726999535	2861.01645798818	2980.0620905031006	94.8024319870905	95.3511827509695	95.3511827509695
469	248	183249	-62061.14133	955417.3172025076	39.4886462116107	-11.0192465	171976.8673050683							

ix	iy	ic	X.Yt	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.Lt.	BRIElevLogKrg.t	BRIElevBothKrg.t	SatElevLogKrg.t	SatBothKrg.t
512	248	18331	-7941.141327	955417.3170250766	-39.49884268715422	-100.8275696	342859.6158858416	4737370.42852339	3000.941107290128	2882.4047228941263	2819.4476988288143	53.5264550572867	66.4834732234067	
552	248	18332	-7281.141327	955417.3170250766	-39.49884327893835	-100.8255231	343060.6181605379	4737376.38842854	2999.662511506677	2884.470176863443	2830.81072620562	28.61670579370657	67.8001190687397	
553	248	18333	-6631.141327	955417.3170250766	-39.49884363477496	-100.828948	343581.6326811455	4737372.42852339	2998.368259389247	2883.947732048936	2832.968088824448	54.045823841157874	65.9878408880092	
554	248	18334	-5934.141327	955417.3170250766	-39.4988441390527	-100.828537	343662.6284958013	4737314.3663482801	2907.1075371661	2881.509144278165	2817.0624004057615	28.16373067709173	54.44404017206944	
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559	248	18339	-2661.141327	955417.3170250766	-39.4988455870513	-100.808984	344467.6319206559	4737302.69836699	2974.1715898564014	2873.8072064278935	2813.764086272927	28.152186719327705	60.43200155826514	
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562	248	18342	-681.1413269	955417.3170250766	-39.49884593171394	-100.8018568	345070.635452927	4737366.25266338	2967.43117282341	2869.2550905708	2804.566971687882	28.044757804111	64.6885379	
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577	248	18357	9218.8586730351	955417.3170250766	-39.498841550707816	-100.7667399	348085.6385792405	4737362.018618202	2914.448592	2846.112822394497	2790.7886271636553	27.790647174245765	89.54108417846905	
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581	248	18361	11858.8586730351	955417.3170250766	-39.49883686514466	-100.7554438	348889.624401144	4737369.93882048	2913.220024604443	2839.954277991783	2793.1455280721767	27.79345924882232	96.4808741195614	
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598	248	18378	23078.8586730351	955417.3170250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRiEveLogKgr.f	BRiEveLogKgr.f	SatfKhsLog.f	SatfKhsBoth.f
678	248	183457	75218.8586730335	955417.3170250766	-39.48855288015478	-105.3303418	368184.80926545114	4373225.20035091	2781.191853572643	2771.273917911849	2616.2243794178517	2613.20146988258	50.4953849399726	58.0724823259312
679	248	183458	75218.8586730335	955417.3170250766	-39.48854752912978	-105.3307043	368385.7942592696	4373221.70769738	2774.738794861764	2669.505289183242	2619.7192679442524	2620.4995904051695	49.0537877807235	57.0378777807235
680	248	183459	75218.8586730335	955417.3170250766	-39.48854231508672	-105.3306367	368685.7791901616	4373131.751938371	2787.145326780495	2667.8432967585497	2621.183072639139	2625.2104516802942	46.332016250410986	42.7334840062642
681	248	183460	77198.8586730335	955417.3170250766	-39.5005750582314	-105.5260922	368787.763911675	4373205.73268755	2758.400771798994	2668.296832688646	2621.5836241709853	2625.39534000569	44.7056630766077	37.93137487
682	248	183461	77858.8586730335	955417.3170250766	-39.48853175154056	-105.5236917	368888.748621319	4373209.731268755	2749.666786623549	2664.643851885853	2619.963193400206	2628.9618273054107	44.68066179	35.68202788317667
683	248	183462	78518.8586730335	955417.3170250766	-39.4885264023349	-105.5213542	369189.733146204	4373205.73268755	2740.9285590671992	2665.505766908626	2616.875403368622	2627.529411458023	46.13017323746674	35.47616254086373
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685	248	183464	79838.8586730335	955417.3170250766	-39.4885155753426	-105.5166792	369691.701891773	4373207.77660273	2738.6707739374477	2659.753106272467	2609.57629036533	2620.2007059521345	50.1722009917396	39.552085035112215
686	248	183465	80498.8586730335	955417.3170250766	-39.48851000580845	-105.5143417	369985.7291901616	4373131.751938371	2738.9724569826533	2658.445621922337	2605.215841	2625.3248017045559	42.57573436283651	34.57573436283651
687	248	183466	81158.8586730335	955417.3170250766	-39.488505425218	-105.5120042	369993.6699378007	4373180.771661838	2741.73359662374	2656.53136274803	2600.631982773922	2610.040325326017	50.9057535338184	46.45681100144335
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689	248	183468	82478.8586730335	955417.3170250766	-39.48849356729846	-105.5073292	370363.673698738	4373181.793419928	2745.34885328826	2597.9593942538	2590.918193300963	2597.32968781028	64.1456601552505	56.02899153241106
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695	248	183474	86438.8586730335	955417.3170250766	-39.4884586855713	-104.933042	371601.537233384	4373157.854847188	2738.5717628488071	2644.0767928488071	2567.934357	2567.934357	76.1423548462076	76.1423548462076
696	248	183475	87098.8586730335	955417.3170250766	-39.48845274931181	-104.909667	371802.52063428407	4373148.865817645	2736.1230285257523	2642.556037046474	2566.954742565734	2567.071721	75.59862113891495	75.484346116713734
697	248	183476	87758.8586730335	955417.3170250766	-39.48844677	-104.886292	372003.534525254	4373149.879586138	2734.7612515	2641.3041952338046	2566.6795297994504	2566.79923414293	74.253623425425	74.253623425425
698	248	183477	88418.8586730335	955417.3170250766	-39.4884407905644	-104.862916	372204.4680882677	4373145.8882996	2733.39140440776	2639.5110440776	2566.934863364024	2567.0196018152537	72.7536576135547	72.7536576135547
699	248	183478	89078.8586730335	955417.3170250766	-39.4884364880483	-104.839541	372405.468511776	4373141.89995738	2732.020559381835	2627.6435104495387	2567.73059260104	2567.560560104	70.51059569	70.423381706391
700	248	183479	89738.8586730335	955417.3170250766	-39.48843165881588	-104.816229	372605.441723949	4373137.887700743	2730.94719715813	2624.102628117296	2565.31016346117296	2568.1389274837964	71.8832978284669	71.8832978284669
701	248	183480	90398.8586730335	955417.3170250766	-39.4884239353778	-104.792791	372807.433255275	4373133.92799924	2728.700251	2624.9315828582973	2567.802494975683	2567.802006916677	67.0933209061427	67.1115821882039
702	248	183481	91058.8586730335	955417.3170250766	-39.4884161890155	-104.769416	373008.4155033583	4373129.93602349	2728.625224969633	2633.36719216857	2566.288621138066	2566.288621138066	66.993097922467	66.993097922467
703	248	183482	91718.8586730335	955417.3170250766	-39.48840929925207	-104.746041	373209.395866889	4373125.94845515	2727.5411857343693	2631.811226200146	2564.127467251673	2564.3451251321644	67.6837584850169	67.4661010680118
704	248	183483	92378.8586730335	955417.3170250766	-39.4884033512387	-104.722666	373410.3785217514	4373121.3795217514	2726.9857275182317	2630.238260124279	2560.984309043117	2560.984309043117	68.8575714051215	68.8575714051215
705	248	183484	93038.8586730335	955417.3170250766	-39.48839728860241	-104.699291	373611.3613537534	4373117.97384862	2726.984484848522	2628.6435104495387	2558.02062530405	2558.066918715246	70.1847747414624	70.28254662
706	248	183485	93698.8586730335	955417.3170250766	-39.4883920052586	-104.675918	373812.346019941	4373113.887700743	2725.94719715813	2627.6435104495387	2557.87722577927	2557.87722577927	71.8832978284669	71.8832978284669
707	248	183486	94358.8586730335	955417.3170250766	-39.4883871991396	-104.652794	374013.3246013946	4373110.00027163	2724.7817891550134	2625.774062602194	2552.774062602194	2552.774062602194	72.604460477996	72.604460477996
708	248	183487	95018.8586730335	955417.3170250766	-39.4883778890762	-104.629166	374214.306534445	4373106.01375318	2723.601007714874	2623.700083730172	2550.388123273034	2550.388123273034	73.118855372383	73.118855372383
709	248	183488	95678.8586730335	955417.3170250766	-39.48837165136595	-104.605791	374415.2874	4373102.07437976	2721.6172087039656	2621.983753089713	2548.0111093166406	2548.334535689713	73.972641150113	73.972641150113
710	248	183489	96338.8586730335	955417.3170250766	-39.4883648666926	-104.582417	374616.268597308	4373098.04133487	2720.424643690443	2620.226256913377	2548.23556072448	2548.431021368134	74.90097025683996	74.90097025683996
711	248	183490	96998.8586730335	955417.3170250766	-39.48835828281758	-104.559042	374817.249898764	4373094.05430983	2720.423084071251	2618.42503683796	2542.015191	2541.876581108577	75.54637947521815	75.54637947521815
712	248	183491	97658.8586730335	955417.3170250766	-39.4883516238108	-104.535697	375018.230661299	4373090.69502702	2698.137786900989	2615.59110058488	2537.017537435465	2536.27993614515	75.9515762220205	80.2991766443901
713	248	183492	98318.8586730335	955417.3170250766	-39.4883451162043	-104.51229	375219.211420433	4373086.481273949	2696.5417550989073	2614.202628117296	2535.016346117296	2535.016346117296	81.8994339034115	81.8994339034115
714	248	183493	98978.8586730335	955417.3170250766	-39.4883387303258	-104.489817	375420.192247848	4373082.09907694	2694.945726384055	2613.831125482983	2533.757577881855	2533.757577881855	82.816815491616	82.816815491616
715	248	183494	99638.8586730335	955417.3170250766	-39.48833138	-104.465542	375621.172625292	4373078.11394234	2693.34965742523	2612.371284420035	2538.972353254143	2538.984321021356	83.344305958917	83.344305958917
716	248	183495	100298.8586730335	955417.3170250766	-39.4883246323448	-104.442167	375822.153384603	4373074.12920083	2693.134802582141	2610.780250582141	2538.5940137856526	2538.5940137856526	84.225785254822	84.225785254822
717	248	183496	100958.8586730335	955417.3170250766	-39.48831765149575	-104.418792	376023.133856511	4373070.14448152	2694.300371432467	2609.58624069666	2536.501774536095	2536.501774536095	85.084765160569	85.084765160569
718	248	183497	101618.8586730335	955417.3170250766	-39.48831072151319	-104.395417	376224.114094539	4373066.106014322	2695.46098761281	2608.1774281641865	2533.01509063939	2533.01509063939	85.7506765401037	85.7506765401037
719	248	183498	102278.8586730335	955417.3170250766	-39.48830375	-104.372292	376425.904523495	4373062.75789324	2696.631896	2606.74471591072	2528.5312985891312	2528.5312985891312	86.05524189004427	86.05524189004427
720	248	183499	102938.8586730335	955417.3170250766	-39.488296767574	-104.349042	376627.9745781748	4373058.423296166	2695.74481832889	2605.2767169120447	2524.23465149354	2524.23465149354	86.3623740842782	86.3623740842782
721	248	183500	103598.8586730335	955417.3170250766	-39.488289607746	-104.325294	376827.054162946	4373054.2						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatElevLogKrg.ft	SatElevBothKrg.ft
63	249	183583	-330021.1413	956077.3170250766	39.49501370007231	-101.96862521	44475.3297375952	4375918.28602643	3821.5951930508418	3599.573472426685	3506.8991273934524	3489.003320695934	32.67434492403256	110.57016973109148
64	249	183584	-329361.1413	956077.3170250766	39.4950362558493	-101.9659149	44493.4408291101	4375914.1631771338	3808.526102849543	3598.1324019830404	3506.269916740549	3484.9172541334947	31.86248524	112.31215478945457
65	249	183585	-328701.1413	956077.3170250766	39.49506876157246	-101.9636378	44514.5416720093	4375910.000000000	3806.4570075291371	3598.062923187466	3505.8881764862785	3482.1028491102637	30.82972388091052	114.55851303841792
66	249	183586	-328041.1413	956077.3170250766	39.49508123	-101.9612004	44535.462266008	4375905.91121436	3803.379147666653	3595.270396574057	3505.518700757357	3486.482737965047	89.7621658166993	108.8220659
67	249	183587	-327381.1413	956077.3170250766	39.49510361644776	-101.9589032	44556.74260127425	4375891.79591025	3799.666327311558	3593.850807	3505.0296330244137	3489.78413127145	88.04303366647	104.05958368382522
68	249	183588	-326721.1413	956077.3170250766	39.495126026671905	-101.956566	44575.87426880515	4375789.732329896	3795.3022342741175	3592.4375350617984	3504.2471980334376	3491.92636	88.1920372836077	100.5111691672404
69	249	183589	-326061.1413	956077.3170250766	39.4951483565257	-101.9542287	44598.84252232001	4375783.55145046	3790.934810111876	3591.03423490040	3502.770235633766	3493.33690943762	88.2638785502463	97.69651405331443
70	249	183590	-325401.1413	956077.3170250766	39.49517064126669	-101.9518915	44610.1621063022	4375788.43081446	3790.673868024177	3589.638474170876	3500.272042257208	3492.857498490828	88.36643191878791	96.7810246515904
71	249	183591	-324741.1413	956077.3170250766	39.4951928987495	-101.9498524	44631.1413844214	4375788.2033237485	3791.614695862331	3588.825232187466	3499.592294788652	3491.0237878961484	87.1878567059208	92.7251630841792
72	249	183592	-324081.1413	956077.3170250766	39.495215075315244	-101.947217	44652.240520453	43757891.18905704	3776.62805626352	3587.677545142937	3493.151357189057	3488.1434001104304	86.7230513256254	98.7200513256254
73	249	183593	-323421.1413	956077.3170250766	39.49523724060575	-101.9448798	44673.2625316394	4375787.007	3771.547597	3585.51139281987	3488.989175556143	3486.70810566264	86.52222171623755	98.8032831572309
74	249	183594	-322761.1413	956077.3170250766	39.49525932876816	-101.9425425	44694.03483017042	4375782.94676476	3766.3141265265703	3584.939251884794	3483.214275237530	3480.212475237530	90.2138074117632	100.9371600533976
75	249	183595	-322101.1413	956077.3170250766	39.49528138776902	-101.9402053	44715.5363614073	4375789.985297308	3763.2069691184205	3582.7917218236895	3480.95388662698	3479.851260079874	89.7837616079257	102.9400928711317
76	249	183596	-321441.1413	956077.3170250766	39.4953030162314	-101.937881	44736.63440492736	4375786.70597198	3760.6147048692504	3581.4376336390993	3477.9116537716525	3476.608329	90.2458925744684	104.8324090172952
77	249	183597	-320781.1413	956077.3170250766	39.49532537	-101.9359308	44757.73227046485	4375780.586533707	3760.6644727119963	3580.6872959201683	3474.7903313270307	3476.788634848513	90.7494495931736	104.8124324551072
78	249	183598	-320121.1413	956077.3170250766	39.4953478239806	-101.9331396	44778.6286522812	4375786.457836301	3759.314858487097	3578.7403575475525	3470.787381014632	3471.9730231918214	90.8713543518214	107.3855162927107
79	249	183599	-319461.1413	956077.3170250766	39.495369172334036	-101.9308653	44799.93718042294	4375785.36418158	3758.370415219663	3577.397318173837	3467.965672058157	3469.10789	90.9143641	108.2894248042761
80	249	183600	-318801.1413	956077.3170250766	39.495391305570895	-101.9285191	44821.02743	4375782.26726885	3757.680342915852	3576.06578619942	3465.4784533678026	3465.716512094592	90.5783315212393	108.3924742534212
81	249	183601	-318141.1413	956077.3170250766	39.4954127369049	-101.9261818	44837.21029393012	4375844.107518906	3756.83027061201	3574.71655654438	3463.277396808286	3466.436677652934	90.4391604061481	108.3796789147317
82	249	183602	-317481.1413	956077.3170250766	39.49543435666306	-101.9238446	44857.31276756387	4375789.988529216	3756.073891983017	3573.3769716774214	3461.3378861522124	3461.3378861522124	90.520855252098	108.3912984876047
83	249	183603	-316821.1413	956077.3170250766	39.495466234488536	-101.9215073	44877.34	4375783.869781494	3753.493969504696	3572.038258700506	3459.48529100816	3463.694875497645	90.57999999745	108.34332328783
84	249	183604	-316161.1413	956077.3170250766	39.4954778116992	-101.9191701	44897.51405957142	4375831.751183459	3750.9269337146957	3570.7020875843204	3457.697313686053	3462.4589803436923	90.57999999745	108.34332328783
85	249	183605	-315501.1413	956077.3170250766	39.4954994698144	-101.9168478	44917.782393287	4375814.113736287	3748.8173544111296	3569.234773997474	3456.8297474889142	3462.697474889142	90.57999999745	108.34332328783
86	249	183606	-314841.1413	956077.3170250766	39.495517062171	-101.9144568	44937.60152115673	4375823.516977035	3739.90625919596	3568.0260477321053	3454.518763769726	3459.299633726376	90.57999999745	108.34332328783
87	249	183607	-314181.1413	956077.3170250766	39.495542574318554	-101.9121583	44957.788956989	4375789.73677492	3737.016425266145	3566.889126058463	3453.147129327541	3457.784329343173	90.57999999745	108.34332328783
88	249	183608	-313521.1413	956077.3170250766	39.49556404640849	-101.909821	44979.7191555561	4375815.27067029	3737.504245062834	3565.231553046653	3452.0543922380784	3456.3363861639	90.57999999745	108.34332328783
89	249	183609	-312861.1413	956077.3170250766	39.49558654335095	-101.9074838	449980.888	4375811.12	3737.0430639381	3564.01713939995	3451.175066637378	3455.056472862578	90.57999999745	108.34332328783
90	249	183610	-312201.1413	956077.3170250766	39.4956085145546	-101.9051465	45018.18139991827	4375807.04293363	3737.0430639381	3562.675440470549	3450.51475199926	3453.518200538766	90.57999999745	108.34332328783
91	249	183611	-311541.1413	956077.3170250766	39.4956298191792974	-101.9028893	45038.357579134852	4375814.113736287	3745.814747814703	3561.01861730913	3449.5297474889142	3452.214547474889142	90.57999999745	108.34332328783
92	249	183612	-310881.1413	956077.3170250766	39.495649494367872	-101.900472	45059.196898704	4375814.113736287	3741.941847814703	3559.262923187466	3449.4469377251144	3449.4469377251144	90.57999999745	108.34332328783
93	249	183613	-310221.1413	956077.3170250766	39.495670729645525	-101.8981347	45078.263731404	4375794.63739251	3745.0661371749524	3558.648137522291	3448.379115667013	3449.4469377251144	90.57999999745	108.34332328783
94	249	183614	-309561.1413	956077.3170250766	39.4956913085052	-101.8957575	45098.35732511446	4375790.57731602	3745.0661371749524	3558.648137522291	3448.379115667013	3449.4469377251144	90.57999999745	108.34332328783
95	249	183615	-308901.1413	956077.3170250766	39.495713068907955	-101.8934602	45118.740506021362	4375792.461106886	3749.161536491558	3555.940560594098	3444.512782	3444.506813786534	90.57999999745	108.34332328783
96	249	183616	-308241.1413	956077.3170250766	39.495732	-101.8911229	45138.5438092449	4375782.35111838	3747.930479497034	3554.6083274018256	3441.388011904401	3439.8967642425837	90.57999999745	108.34332328783
97	249	183617	-307581.1413	956077.3170250766	39.49575135379954	-101.888787	45158.63682441393	4375778.22330667	3746.7910734066596	3553.260148062996	3447.7603491585956	3436.2785474943443	90.57999999745	108.34332328783
98	249	183618	-306921.1413	956077.3170250766	39.495769725966129	-101.8864478	45179.728392957	4375774.113736287	3745.814747814703	3552.962923187466	3446.8297474889142	3452.214547474889142	90.57999999745	108.34332328783
99	249	183619	-306261.1413	956077.3170250766	39.495787925966129	-101.884111	45199.6812691995	4375769.98411131	3743.2745814703	3550.584571907827	3445.96516484397	3428.96516484397	90.57999999745	108.34332328783
100	249	183620	-305601.1413	956077.3170250766	39.49581818990305	-101.8817738	45219.92138280718	4375765.8327254	3739.7673	3549.28212942379	3426.145041503615	3423.883532510312	90.57999999745	108.34332328783
101	249	183621	-304941.1413	956077.3170250766	39.49583901551515	-101.8794366	45239.05270058564	4375761.76834761	3738.278016063252	3548.025144015419	3423.1029447961423	3420.780621487234	90.57999999745	108.34332328783
102	249	183622	-304281.1413	956077.3170250766	39.49585991517489	-101.8770993	45259.059736753267	4375757.65336308	3737.797320046933	3546.836958676694	3421.9030581821874	3418.5369077921874	90.57999999745	108.34332328783
103	249	183623	-303621.1413	956077.3170250766	39.4958800105038	-101.874762	45279.61887966286	4375753.53914028	3737.442478495914	3545.695381699462	3421.9030581821874	3418.5369077921874	90.57999999745	108.34332328783
104	249	183624	-302961.1413	956077.3170250766	39.4959014697779874	-101.8724247	45299.7238975119	4375749.42847664	3734.262626381354	3544.585241761396	3418.169113386182	3415.419276357599	90.57999999745	108.34332328783
105	249	183625	-302301.1413	956077.3170250766	39.49592283263634	-101.8700893	45319.6812691995	4375745.814703	3733.2745814703	3543.592923187466	3417.941847814703	3415.419276357599	90.57999999745	108.34332328783
106	249	183626	-301641.1413	956077.3170250766	39.49594423778912	-101.8677502	45339.6812691995	4375741.96304471	3732.2745814703	3542.3921263917	3417.941847814703	3415.419276357599	90.57999999745	108.34332328783
107	249	183627	-300981.1413	956077.3170250766	39.495965340077636	-101.86541								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatHtElev.ft	SatHtElev.ft
189	249	183709	-246861.1413	956077.3170250766	39.497500166949294	-101.6737513	770089.1570133541	4735400.492399681	3547.7793615172113	331.7988640169447	3273.70130322602	3227.61757316157	157.0579069434252	204.1812908554275
190	249	183710	-246201.1413	956077.3170250766	39.49751703381567	-101.671414	770290.22217123654	4735396.396436147	3541.659594825555	3430.519660879135	3269.66894001434	3205.9787940142835	160.85101768733557	224.5041014428455
191	249	183711	-245181.1413	956077.3170250766	39.4975335853066	-101.669276	770481.2686260745	4735392.9074681413	3429.52891102136	3268.68912682169	3222.164040790043	3184.816564266159	163.550582403271	244.422766795971
192	249	183712	-244881.1413	956077.3170250766	39.49755053209516	-101.6667392	770692.3605917353	4735388.20570055	3528.1993082570055	3277.949684026533	3261.983252760356	3180.66225613231	165.2762761402218	247.7842761402218
193	249	183713	-244221.1413	956077.3170250766	39.49756738350822	-101.6644018	770893.4302866304	4735384.110066943	3521.266726	3426.658137308558	3258.3728102513846	3179.2173651754657	163.08832372866234	229.3872736292818
194	249	183714	-243561.1413	956077.3170250766	39.4975804977017	-101.6620644	771094.50928971154	4735380.014167213	3514.3343467166126	3425.3625420475983	3254.757570981899	3103.8744712279867	121.54806089051443	205.84803517224943
195	249	183715	-242801.1413	956077.3170250766	39.49760080880866	-101.659727	771295.5791	4735375.501202838	3510.2387660648794	3424.06712882704	3250.987626658795	3208.621123143001	125.0800268238293	215.4480050584039
196	249	183716	-242141.1413	956077.3170250766	39.49761726684037	-101.6573896	771466.8189987	4735373.42549787	3508.905839160545	3422.775947008027	3246.961129040853	3217.937488958573	175.080184717967172	208.68403417224943
197	249	183717	-241581.1413	956077.3170250766	39.49763367648635	-101.6550252	771687.179456280745	4735367.90174881413	3507.722401787016	3420.71371707075	3245.317803470043	3179.3130802	179.3130802	199.3218482575635
198	249	183718	-240921.1413	956077.3170250766	39.49765034330559	-101.6527148	771898.780471815	4735363.5369891837	3506.46421961367	3420.19820424733	3237.874004	3225.61809223217	182.5241958475329	194.5901201585677
199	249	183719	-240261.1413	956077.3170250766	39.4976668031125	-101.6503774	772099.8595238732	4735359.52400881	3503.765524176585	3418.911047133206	3229.23997252028	3227.445682069337	187.0471671291698	191.45718319261228
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211	249	183731	-232341.1413	956077.3170250766	39.497861802687	-101.6223493	774502.654205238	4735312.6249378	3458.659459378543	3403.621789340487	3239.821789340487	3242.31711635701	158.136715039198	158.136715039198
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKsg.ft	BRfElevKhtg.ft	SatHtKsg.ft	SatHtKhtg.ft
315	249	183835	-163701.1413	956077.3170250766	39.49926981788296	-101.3792334	295442.3749130954	4374886.086548812	3415.1455326826904	3233.455564482828	3113.271114	3112.212325668915	120.18443021991789	121.2422919594128
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321	249	183841	-159741.1413	956077.3170250766	39.49933621	-101.3652084	296628.638536519	4374861.675283332	3402.613995995429	3225.924200818467	3112.523876780877	3105.274415890943	116.70453241103905	119.9540042722424
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348	249	183868	-141921.1413	956077.3170250766	39.499614837248444	-101.3020956	3020.66.172829914	4374751.9186306	3348.2913474087025	3190.2892755930368	3087.76152556963	3087.02759623107	102.52771713207782	103.26117413207782
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350	249	183870	-140601.1413	956077.3170250766	39.49963421597191	-101.297425	3024.68.753126205	4374743.7852025	3344.457653176505	3187.31650197622	3084.361614494309	3083.945301334135	102.498369112735	103.3625476330839
351	249	183871	-139941.1413	956077.3170250766	39.49964328428068	-101.295083	3026.69.33949145306	4374739.739514494	3342.3302949145306	3185.839240330164	3082.487868174901	3082.13434992756	103.3516038211548	103.3516038211548
352	249	183872	-139281.1413	956077.3170250766	39.49965331631451	-101.2927455	3028.67.067336778	4374735.67182785	3340.6858565838	3184.335646039297	3080.6274226925925	3080.362545887293	103.7561491133718	104.02107181665036
353	249	183873	-138621.1413	956077.3170250766	39.49966322319319	-101.290408	3030.61.907278657	4374731.610962412	3338.4627860423456	3182.936297924987	3078.463986258565	3078.463986258565	104.7499316662413	104.7499316662413
354	249	183874	-137961.1413	956077.3170250766	39.499672284916656	-101.2880704	3032.62.9437870781	4374727.55	3336.041521458523	3181.51997068337	3075.795310770606	3074.91157436445	104.756259177306	106.6038325188798
355	249	183875	-137301.1413	956077.3170250766	39.49968170148496	-101.2857329	3034.63.9801405326	4374723.489157885	3334.040243306536	3180.11336426337	3074.7899724230275	3073.13020807245	105.3273918133095	106.9831561683820
356	249	183876	-136641.1413	956077.3170250766	39.49969107289805	-101.2833394	3036.65.61224225	4374719.42853781	3332.49548954955	3178.72449425267	3074.7542450959	3073.193312458373	105.2521970241792	105.2521970241792
357	249	183877	-135981.1413	956077.3170250766	39.499700915589	-101.281004	3038.67.33949145306	4374715.18984255	3330.691539578423	3176.9324282955	3072.919324282955	3072.919324282955	105.2521970241792	105.2521970241792
358	249	183878	-135321.1413	956077.3170250766	39.49971080258505	-101.2787203	3040.69.067336778	4374711.30042005	3328.614070247856	3175.0				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f.t	BR/ElevKgs.f.t	WtSaThKgs.f.t	SurfThKgs.f.t
441	249	183961	-9051.141133	956077.3172052076	39.50032299900059	-101.084704	32075.40501305985	4374375.053	3175.361664102409	3053.68328095970816	2976.4298615495954	2979.5058050760842	77.25341905	74.17743052
442	249	183962	-7989.141133	956077.3172052076	39.50032806700078	-101.0823664	32095.4253645426	4374371.01101665	3171.05178730028	3052.11056675487813	2976.772228980747	2977.727895735066	72.386477612747	69.9022647067789
443	249	183963	-7922.141133	956077.3172052076	39.50033234965768	-101.0809034	32154.4458054372	4374366.93881478	3167.516007330068	3050.54618310838	2977.262787374865	2980.649318381613	73.783243799267	70.3561473067789
444	249	183964	-7856.141133	956077.3172052076	39.50033780571276	-101.077613	32155.445896812	4374362.92600702	3164.75443890304	3048.99125066218133	2981.594137897074	70.3821114387239	67.3950414280238	
445	249	183965	-7790.141133	956077.3172052076	39.50034248008688	-101.0753537	32155.4458299745	4374358.88527524	3161.96242425632	3047.040418804363	2979.246590565206	2983.33176644082	68.1934237478219	64.1068422034257
446	249	183966	-7724.141133	956077.3172052076	39.50034396746939	-101.0730161	32175.50403575237	4374348.846339345	3159.23036	3045.902006916395	2980.51874371125	2984.6013569441704	65.38326315527047	61.3001064222487
447	249	183967	-7658.141133	956077.3172052076	39.50035484963714	-101.0706786	32195.8243097016	4374342.80232749	3157.270930037614	3044.7349230076814	2982.1584804830633	2985.69868963208	62.1607460137511	58.6702614397422
448	249	183968	-7592.141133	956077.3172052076	39.500360066761516	-101.068341	32219.5436864038	4374346.761221247	3156.1369435757026	3042.86089653545	2984.277978412592	2986.89836984218	58.800095409328	54.5694119633270
449	249	183969	-7526.141133	956077.3172052076	39.5003652867281	-101.066043	32250.5628014586	4374342.702039675	3154.916874960788	3041.3568119504703	2986.7769786351592	2990.068592841396	54.5737031481484	51.26412287
450	249	183970	-7460.141133	956077.3172052076	39.50037035427358	-101.063659	32281.58174237767	4374336.679491827	3153.85274141570068	3039.8519504181954	2990.217670981878	2992.870042594895	43.83047943531723	48.9510614850591
451	249	183971	-7394.141133	956077.3172052076	39.500375447025824	-101.0612833	32272.60501206395	4374334.63180043	3038.361030426521	3038.361030426521	2994.559484223625	2996.732473736957	43.64524389557	41.62778305563806
452	249	183972	-7328.141133	956077.3172052076	39.500380434367524	-101.0589907	32293.6191080221	4374330.59892246	3147.064265962412	3036.876413856583	2990.794642510446	2991.521265497382	42.0819510580892	44.96384838336161
453	249	183973	-7262.141133	956077.3172052076	39.50038547547529	-101.0566532	32314.6375313575	4374326.558857786	3035.978294868407	3035.978294868407	2977.1818990127893	2978.968494718333	42.96793045561137	58.1022824846671
454	249	183974	-7196.141133	956077.3172052076	39.50039420881274	-101.0543156	32365.65567822781	4374318.49046633	3138.7744120364373	3033.90470001916	2988.4868089082233	2997.7523071915233	61.0436109369275	66.17814921
455	249	183975	-7130.141133	956077.3172052076	39.50039832185327	-101.0519178	32365.65567809895	4374318.49046633	3138.7744120364373	3033.90470001916	2988.4868089082233	2997.7523071915233	61.0436109369275	66.17814921
456	249	183976	-7064.141133	956077.3172052076	39.50040017176671	-101.049604	323767.8918	4374314.40004333	3133.58926156046	3031.02397798602	2982.197050055062	2992.833573704258	68.82648929203021	68.18966076
457	249	183977	-6998.141133	956077.3172052076	39.5004049832756	-101.0473029	32368.709250044	4374310.401	3131.410777890186	3029.583981371697	2980.333569924172	2996.313769	69.25041144752504	68.26269107612689
458	249	183978	-6932.141133	956077.3172052076	39.5004097352979	-101.0449563	324169.7270590465	4374306.361812322	3129.43892362493	3028.152253551694	2986.378779240546	2997.77443730673	67.72222405556604	
459	249	183979	-6866.141133	956077.3172052076	39.5004144717776	-101.0426277	324370.7445577523	4374302.33025915	3127.0077417497	3026.728203188039	2986.90567543755	2990.396569	68.8225443366355	66.3320329598917
460	249	183980	-6800.141133	956077.3172052076	39.50041914936675	-101.0402902	324571.771784912	4374328.28465246	3124.220663451936	3025.311723085646	2985.344038117305	2995.9473249683396	67.57377301303906	
461	249	183981	-6734.141133	956077.3172052076	39.5004237799399	-101.0379526	324777.778828259	4374294.26410917	3121.433535244175	3023.900858376143	2987.881978541147	2997.6685690378154	68.1276099797897	
462	249	183982	-6668.141133	956077.3172052076	39.5004283474883	-101.035615	324973.7957072432	4374290.2764532	3118.644073977024	3022.496805961539	2985.842912013176	2998.9754536926874	65.583934140144	66.5183494889696
463	249	183983	-6602.141133	956077.3172052076	39.5004329136381	-101.033287	325174.8214515563	4374287.100707985	3116.428710719397	3021.320774748954	2987.144363644383	2997.124974565212	65.890623287916	
464	249	183984	-6536.141133	956077.3172052076	39.5004373855634	-101.030939	325375.829	4374282.13209489	3114.78241387863	3101.701611	2985.02056068252	2993.755985931305	67.6810452444826	65.9362223
465	249	183985	-6470.141133	956077.3172052076	39.5004418796212	-101.0286023	325576.8452316376	4374278.490797386	3106.874034714276	3018.3097268734283	2982.291229997051	2993.366756589864	66.0185967843127	64.91305128361819
466	249	183986	-6404.141133	956077.3172052076	39.5004452521122	-101.0262457	325777.861595441	4374274.05497529	3102.684711427194	3016.921307272224	2983.1375827011	2994.1318017649684	63.74752490211345	62.968496225595
467	249	183987	-6338.141133	956077.3172052076	39.50045061130634	-101.0239272	325978.7547478074	4374268.1028099	3100.164219274256	3015.536033	2984.880861812959	2995.41381897151	60.1286137834066	60.1286137834066
468	249	183988	-6272.141133	956077.3172052076	39.50045525239374	-101.0215896	326179.893046839	4374265.98331467	3098.271766755479	3014.153635253545	2987.3477213366234	2997.69276978	60.805913854917	56.46089718029437
469	249	183989	-6206.141133	956077.3172052076	39.50045981193405	-101.019289	326380.980989254	4374261.94869541	3096.382911583632	3012.773826178955	2986.5717465	2997.69276978	61.7798989868868	
470	249	183990	-6140.141133	956077.3172052076	39.5004647160409	-101.0169144	326581.924616049	4374215.41012105	3093.586321117079	3009.549434115963	2987.3477213366234	2997.69276978	61.7798989868868	
471	249	183991	-6074.141133	956077.3172052076	39.50046956106354	-101.0145769	326782.33967334	4374253.8416636	3084.850191042673	3010.02084852774	2987.2074097169197	2996.846225419817	42.815567204108239	42.156624320566
472	249	183992	-6008.141133	956077.3172052076	39.5004717294125	-101.0122393	326983.95149112	4374238.83139698	3086.471515476945	3008.647138926149	2986.7649148316746	2996.1525976241465	42.09799576241465	42.296773723135
473	249	183993	-5942.141133	956077.3172052076	39.50047817567434	-101.0099017	327184.9016397736	4374242.06321202	3087.984399109155	3007.2748203470405	2986.1496521110344	2996.2630359589923	41.125168230060175	45.92446071372643
474	249	183994	-5876.141133	956077.3172052076	39.50047986052678	-101.0075641	327385.980590734	4374241.76701874	3086.55216434055	3005.899987673125	2995.28034917214	2995.2610948993576	40.5703977373643	
475	249	183995	-5810.141133	956077.3172052076	39.50048385841545	-101.0052266	327586.9998873986	4374237.31302677	3086.60898210107	3004.519705316365	2994.3477213366234	2995.2610948993576	40.5703977373643	
476	249	183996	-5744.141133	956077.3172052076	39.5004891193405	-101.00289	327789.0149716567	4374232.69114837	3085.142414581274	3003.122074844374	2993.26174655212	2995.2610948993576	40.5703977373643	
477	249	183997	-5678.141133	956077.3172052076	39.5004917808966	-101.0005514	327989.028532441	4374229.61137732	3084.68139824107	3001.73687708839	2993.41027805118	2995.2610948993576	40.5703977373643	
478	249	183998	-5612.141133	956077.3172052076	39.5004958977007	-100.9982138	328190.0427138356	4374225.62319637	3084.617786509167	3000.32394312674	2992.82682923583	2993.8055244996135	60.5043013890907	64.5274591306043
479	249	183999	-5546.141133	956077.3172052076	39.5004983818872	-100.9958763	328391.056711578	4374212.591872905	3086.1064357961607	2998.918688881226	2992.82682923583	2993.8055244996135	60.5043013890907	64.5274591306043
480	249	184000	-5480.141133	956077.3172052076	39.5005013740359	-100.9935387	328592.070614033	4374217.55473743	3087.346545425127	2997.493391161447	2992.63834949734034	2993.8055244996135	60.5043013890907	64.5274591306043
481	249	184001	-5414.141133	956077.3172052076	39.500506897141655	-100.9912011	328793.0842378255	4374213.523341294	3088.58627791023	2996.057067027473	2992.94265999846	2993.8055244996135	60.5043013890907	64.5274591306043
482	249	184002	-5348.141133	956077.3172052076	39.5005105788294	-100.988838	328994.097415012	4374209.48491942	3089.6208957059	2994.06710791287	2992.57425296757	2993.8055244996135	60.5043013890907	64.5274591306043
483	249	184003	-5282.141133	956077.3172052076	39.5005142691674	-100.986451	329195.105716567	4374205.43081049	3090.6627826897	2993.024397179192	2992.4397179192	2993.8055244996135	60.5043013890907	64.5274591306043
484	249	184004	-5216.141133	956077.3172052076	39.5005179809576	-100.9841884	329396.124555777	4374201.42221043	3091.73687708839	2992.41027805118	2993.41027805118	2995.2610948993576	40.5703977373643	
485	249	184005	-5150.141133	956077.3172052076	39.50052135316594	-100.9818608	329597.1376237474	4374197.388582269	3092.67562303049	2990.77969033948	2994.1981442138221	2993.776131626625	75.19824789572704	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.f	W.Lt.	BRfElevLogs.f	BRfElevBothKrg.f	SatHtLogs.f	SatHtBothKrg.f
567	249	184087	2618.858673033514	956077.3170250766	39.50056874284864	-100.7901689	346079.6586056951	4373867.376730015	224.34249685322	2681.6947380618585	2791.256366479277	2794.781263298831	30733715825817
568	249	184088	3278.858673033514	956077.3170250766	39.50056874682425	-100.7878313	346260.5869453906	4373863.360954105	290.5922395767565	2860.146142	2789.627625037594	2781.1719599333	30751851704594732
569	249	184089	3938.858673033514	956077.3170250766	39.50056929270716	-100.7854389	346841.5583873141	4373859.345	2949.7413456942703	2858.00192369118	2798.24999894974556	2791.1965675802635	307549847871188
570	249	184090	4598.858673033514	956077.3170250766	39.50056773349617	-100.7831562	346862.658	4373855.32906708	2948.890336556744	2857.050916953386	2797.33047187399	2795.391844680536	3076126437598991
571	249	184091	5258.858673033514	956077.3170250766	39.50056740026451	-100.7808186	346883.6575	4373851.31413121	2945.961178484572	2855.51178484572	2796.9004159444	2795.5516283644	30768083684178176
572	249	184092	5918.858673033514	956077.3170250766	39.50056701787577	-100.778481	347084.5658784288	4373847.21996102	2940.954664709797	2853.9815821564694	2787.403338922495	2793.6083661488034	30773186007696398
573	249	184093	6578.858673033514	956077.3170250766	39.5005669032994	-100.7761434	347285.5650792718	4373843.205	2935.947482915156	2852.498249715156	2787.701396407383	2792.572792926868	30781851979640374
574	249	184094	7238.858673033514	956077.3170250766	39.50056611762703	-100.7739858	347486.651323604	4373839.27057178	2930.940941200157	2850.921549798003	2788.927507999957	2792.225903131394	30794041798046055
575	249	184095	7898.858673033514	956077.3170250766	39.50056589767038	-100.7714683	347687.5643788906	4373837.91384118	2928.928095067197	2849.961947407323	2787.94857633297	2792.7845877898904	308034920680253
576	249	184096	8558.858673033514	956077.3170250766	39.50056550734286	-100.7691307	347889.6579002444	4373831.242134074	2910.9012	2847.8708084055523	2787.067594319967	2793.61727273551	30815281300730364
577	249	184097	9218.858673033514	956077.3170250766	39.50056442857835	-100.7667931	348089.6517477147	4373827.22227949	2905.891046390726	2846.3448535724	2793.50631285041	2794.8226306708125	3082582607068324
578	249	184098	9878.858673033514	956077.3170250766	39.50056375244594	-100.7644555	348290.6498712695	4373823.21432094	2907.811775064553	2844.8135907571623	2794.7100742103216	2795.7176793189	308305166480404
579	249	184099	10538.858673033514	956077.3170250766	39.50056307675628	-100.7621179	348491.84818866324	4373819.201496507	2906.636144752324	2843.280851	2795.521432825794	2796.12572229021316	30841958265571863
580	249	184100	11198.858673033514	956077.3170250766	39.50056233	-100.7597803	348692.6445395325	4373815.18777116	2908.19546	2841.744961442591	2795.3300451633145	2795.784594239195	30849114961272644
581	249	184101	11858.858673033514	956077.3170250766	39.50056154435045	-100.757427	348893.644384073	4373811.17470694	2908.751468172953	2840.20560536169	2792.9679463729662	2793.311982900897	3085937163628796
582	249	184102	12518.858673033514	956077.3170250766	39.50056071034891	-100.7551051	349094.042262537	4373807.161851121	2907.3714068281	2838.6827394853804	2790.638425892445	2789.916134231241	3086923189913583
583	249	184103	13178.858673033514	956077.3170250766	39.50056048123231	-100.7527676	349295.6399050785	4373803.14906838	2910.8240738715704	2837.116383247085	2788.67009579407	2794.83463625125	30874064253300133
584	249	184104	13838.858673033514	956077.3170250766	39.500548905695845	-100.75043	349649.637581904	4373799.137	2910.320771671645	2835.56946744466	2784.413621	2784.656203639682	3089101197804058
585	249	184105	14498.858673033514	956077.3170250766	39.50054793752789	-100.7480924	349697.630223465	4373795.12548072	2911.780004625757	2832.04515491556	2782.727021907009	2783.041541	308957990492577
586	249	184106	15158.858673033514	956077.3170250766	39.50054692	-100.7457458	349898.632139279	4373791.12534102	2912.258046378322	2834.07284276404	2781.457074721456	2781.7548362382	30907927554949
587	249	184107	15818.858673033514	956077.3170250766	39.5005458319523	-100.7434172	350099.6294070268	4373787.10031346	2912.8165814122803	2830.781774956592	2780.312692126376	2779.71722634055	3091790219088294
588	249	184108	16478.858673033514	956077.3170250766	39.50054475827044	-100.741096	350300.626576701	4373783.09937475	2913.25552432095513	2829.318036209513	2778.94571837479	2779.19148241159	3092126437021758
589	249	184109	17138.858673033514	956077.3170250766	39.5005439434231	-100.738759	350514.643397761	4373778.0939177	2914.262184994242	2828.42168494242	2777.942819427816	2777.942819427816	309329415019258
590	249	184110	17798.858673033514	956077.3170250766	39.50054241301767	-100.7364045	350702.82105463324	4373775.05678097	2914.335374489334	2826.146236370444	2775.315115349375	2775.315126794286	30943121017693573
591	249	184111	18458.858673033514	956077.3170250766	39.50054117264451	-100.7340669	350903.61672731827	4373771.05561018	2917.5053043991356	2824.2982313565306	2772.705014	2772.522687764258	3095242531100601
592	249	184112	19118.858673033514	956077.3170250766	39.50053988711437	-100.7317293	351104.6115594614	4373767.044862095	2922.409062613527	2822.943023665435	2769.367615186748	2768.645655910934	3095578781
593	249	184113	19778.858673033514	956077.3170250766	39.5005385642713	-100.7293917	351305.6904407227	4373761.93319309	2927.43081317056	2821.3276685691	2765.678834923014	2765.678834923014	309654083646952
594	249	184114	20438.858673033514	956077.3170250766	39.50053719058258	-100.7270541	351506.605818534	4373759.03236963	2932.218810023986	2819.71667752511	2768.1610938161405	2761.23128653189	30974854739370345
595	249	184115	21098.858673033514	956077.3170250766	39.5005359591813	-100.7247615	351707.6015785426	4373745.91384118	2933.194873781616	2818.094873781616	2767.045873781616	2767.045873781616	309838928688922
596	249	184116	21758.858673033514	956077.3170250766	39.5005349243231	-100.7224789	351914.643397761	4373741.03391737	2932.558219798167	2816.4816873708977	2764.23417851771	2764.23417851771	3099324115019258
597	249	184117	22418.858673033514	956077.3170250766	39.50053282107778	-100.7200414	352109.9351454218	4373746.94947541	2931.280176370186	2814.835132650123	2760.65804300355	2760.65804300355	3100472735055748
598	249	184118	23078.858673033514	956077.3170250766	39.50053122563534	-100.7177038	352310.588714027	4373742.98475246	2931.280176370186	2814.835132650123	2760.65804300355	2760.65804300355	3101472735055748
599	249	184119	23738.858673033514	956077.3170250766	39.500529624005846	-100.7153662	352511.584100043	4373739.95475141	2929.701874157283	2811.5538374466123	2760.419530012278	2760.419530012278	310249129104951
600	249	184120	24398.858673033514	956077.3170250766	39.50052797721934	-100.7130286	352712.5742357524	4373734.96403118	2929.701874157283	2811.5538374466123	2760.419530012278	2760.419530012278	3103221934791313
601	249	184121	25058.858673033514	956077.3170250766	39.50052625275244	-100.710891	352913.5746649318	4373730.36754112	2932.0768949322865	2808.268638925868	2758.039645372564	2758.039645372564	31042919223272
602	249	184122	25718.858673033514	956077.3170250766	39.50052454917524	-100.708354	353114.65942824	4373728.94890285	2933.194873781616	2806.42168494242	2757.942819427816	2757.942819427816	3105127354099152
603	249	184123	26378.858673033514	956077.3170250766	39.50052305767167	-100.7060158	353315.5644218487	4373722.94044759	2933.244100744519	2804.9768781388925	2752.98101194317	2752.98101194317	3106185412175785
604	249	184124	27038.858673033514	956077.3170250766	39.50052093503076	-100.7037683	353516.5591378183	4373718.93215679	2932.02856218639	2803.3525291809543	2750.83509781389	2750.83509781389	3107248940215627
605	249	184125	27698.858673033514	956077.3170250766	39.50051906593147	-100.7013407	353717.55371240067	4373714.92419309	2931.831466482	2801.695014261268	2748.894013183465	2748.894013183465	3108248940215627
606	249	184126	28358.858673033514	956077.3170250766	39.500517148202856	-100.699031	353918.5841580217	4373710.91638228	2930.088227596846	2800.08222758668	2747.451996055117	2747.451996055117	31092306179314506
607	249	184127	29018.858673033514	956077.3170250766	39.5005158137216	-100.6966955	354119.542438271	4373706.98078053	2931.00559324122	2798.304742557071	2745.9259962132413	2745.9259962132413	31102474994
608	249	184128	29678.858673033514	956077.3170250766	39.50051318	-100.6943279	354320.5366989315	4373703.907388975	2933.03689238568	2800.268638925868	2743.039645372564	2743.039645372564	3111273894290591
609	249	184129	30338.858673033514	956077.3170250766	39.500511629182	-100.692084	354521.643397761	4373700.93391737	2932.0768949322865	2800.268638925868	2743.039645372564	2743.039645372564	3112273894290591
610	249	184130	30998.858673033514	956077.3170250766	39.50050950271834	-100.6896258	354722.5425	4373694.87235052	2934.0768781388925	2800.268638925868	2743.039645372564	2743.039645372564	3113273894290591
611	249	184131	31658.858673033514	956077.3170250766	39.50050868220474	-100.6873152	354923.5182028568	4373690.884073907	2934.2941971593063	2800.268638925868	2743.039645372564	2743.039645372564	3114273894290591
612	249	184132	32318.858673033514	956077.3170250766	39.50050648353413	-100.6849756	355124.51791634	4373696.73220298	2934.2941971593063	2800.268638925868	2743.039645372564	2743.039645372564	3115273894290591
613	249	184133	32978.858673033514	956077.3170250766	39.5005046970564	-100.682624	355325.505243029	4373692.687580339	2934.2941971				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	WdL	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SurfZn3537	SatThBothH
693	249	184213	85778.85867307335	956077.3170250766	39.50027744540007	-100.4956341	71404.5849391049	4733363.03974763	277.12040666012983	264.371951057748	2567.142593684001	2567.1963920109695	79.2293537	79.1855590467881
694	249	184214	86438.85867307335	956077.3170250766	39.50027515387875	-100.493295	71505.5295725874	4733359.05038791	277.152603685494	264.48698118342645	2565.719520762026	2565.5838322	79.1502910523857	79.28599016882436
695	249	184215	87058.85867307335	956077.3170250766	39.50028172010405	-100.49069	71606.5124439365	4733355.61229162	277.481457221298	265.368432975844	2565.369226912288	2565.40432975844	79.001382788796	79.0013737633615
696	249	184216	87758.85867307335	956077.3170250766	39.50025963536704	-100.4886214	72007.49051222884	4733351.02283762	277.4333237	264.87108082747	2565.489003460265	2565.482107562816	79.0017736758206	76.38897327
697	249	184217	88418.85867307335	956077.3170250766	39.50025368307668	-100.4862238	72208.47745801747	4733347.03803745	277.2224004271960725	264.03709515813157	2565.697028986784	2565.751436882914	73.0720259345725	74.61580789302434
698	249	184218	89078.85867307335	956077.3170250766	39.50024573632001	-100.4839463	72409.45978152077	4733343.09520596	277.0562961714326	263.868222114326	2566.0100718024796	2566.0100718024796	72.8587301	72.79426018596996
699	249	184219	89738.85867307335	956077.3170250766	39.50024141892706	-100.4816807	72610.4142982542	4733339.16702018	277.1957165711055	263.731058364154	2566.119545510203	2565.990987304304	71.2415131879518	71.3700714038499
700	249	184220	90398.85867307335	956077.3170250766	39.50023525664783	-100.4797212	72811.4240624972	4733331.11894228	277.28391059832	263.849476595244	2565.61728593727	2565.64377898365	70.232419999714	70.38604977030765
701	249	184221	90958.85867307335	956077.3170250766	39.50022944852504	-100.4769336	73012.4062037586	4733311.13084819	277.5718495466126	264.330895893825	2564.3296300795164	2564.2190510247987	70.013862877986	70.1118473349657
702	249	184222	91718.85867307335	956077.3170250766	39.5002227660357	-100.4745961	73213.3875600087	4733317.14300482	277.5298854943398	263.821354954584	2562.303257550177	2562.333942996585	70.489940466161	70.4891916551992
703	249	184223	92738.85867307335	956077.3170250766	39.5002165	-100.4722585	73414.36597196327	4733323.15523509	277.421563827335	263.217508827576	2559.614196779772	2559.7803264382413	71.8435740884827	71.7447704479489
704	249	184224	93038.85867307335	956077.3170250766	39.50021015506824	-100.4699209	73615.511660735	4733319.16825159	277.05687228253	262.9911784675062	2556.855907147066	2556.82699371163	72.57203713199003	72.70847089331902
705	249	184225	93698.85867307335	956077.3170250766	39.5002037668273	-100.4675834	73816.3236333804	4733315.181	276.9219008822	262.99808002248	2554.1341940080874	2554.531675227889	73.965610416056	73.56813275
706	249	184226	94358.85867307335	956077.3170250766	39.5001973334103	-100.4652458	74017.3139919041	4733311.194	276.7323700804581	262.64873708004584	2551.479223232887	2551.804731462647	74.6736933871144	74.6736933871144
707	249	184227	95018.85867307335	956077.3170250766	39.50019085487814	-100.4629083	74218.29522414715	4733307.267990656	276.7034875762535	262.481372059384	2548.918981218405	2548.918981218405	75.9022960404901	75.6530431350649
708	249	184228	95698.85867307335	956077.3170250766	39.50018433116903	-100.4605707	74419.2763310234	4733303.22125255	276.519474723584	262.31250472790507	2546.3010617547275	2546.2434776962373	76.8238651432323	76.8156985631343
709	249	184229	96358.85867307335	956077.3170250766	39.5001776230376	-100.4582232	74620.2572380321	4733299.250896616	276.2995759684828	262.138236516095	2543.023384218245	2543.514531372178	77.9854809	76.7036738
710	249	184230	96998.85867307335	956077.3170250766	39.5001711828234	-100.4558956	74817.238001441	4733295.249107755	276.09637211664576	261.9177033416734	2540.224187399433	2539.847196710575	79.0593159471305	79.7699471441677
711	249	184231	97658.85867307335	956077.3170250766	39.5001646910473	-100.453558	75022.2186524013	4733291.263260467	276.2824527443067	260.7518505466177	2536.897846259994	2536.199413029195	80.9255109204778	81.6509402355221
712	249	184232	98318.85867307335	956077.3170250766	39.50015778	-100.4512205	75223.1996572683	4733297.27604649	276.2604794790685	261.16244850736525	2535.901994371517	2535.1485032831893	80.7919632760078	81.6509402355221
713	249	184233	98978.85867307335	956077.3170250766	39.5001510328114	-100.448829	75424.180099695	4733283.29214697	276.88876132051967	261.1479568495821	2538.20099649581	2537.82563895372	79.6949219603042	79.7005275854917
714	249	184234	99638.85867307335	956077.3170250766	39.500145035194	-100.4465454	75625.160944935	4733279.37033811	276.9583536964239	261.1404252196757	2540.8110232814	2540.8110232814	79.6949219603042	79.7005275854917
715	249	184235	100298.85867307335	956077.3170250766	39.5001390473511	-100.4442197	75824.074726521	4733273.53445798	277.043118618578	261.1404252196757	2540.8110232814	2540.8110232814	79.6949219603042	79.7005275854917
716	249	184236	100958.85867307335	956077.3170250766	39.50013305157153	-100.441703	76027.121027949	4733271.33729703	276.88046214834013	260.5184085347225	2540.498640484477	2540.635944462464	79.6949219603042	79.7005275854917
717	249	184237	101618.85867307335	956077.3170250766	39.5001238557528	-100.439327	76228.10160711695	4733267.435394745	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
718	249	184238	102278.85867307335	956077.3170250766	39.500116048697	-100.4371952	76429.080880594	4733263.36839714	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
719	249	184239	102938.85867307335	956077.3170250766	39.5001095900602	-100.4348576	76630.0630	4733259.38422995	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
720	249	184240	103598.85867307335	956077.3170250766	39.50010254472862	-100.4325201	76831.040472358	4733255.400336292	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
721	249	184241	104258.85867307335	956077.3170250766	39.500096471973813	-100.4301972	77032.020438794	4733251.416818578	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
722	249	184242	104918.85867307335	956077.3170250766	39.50008925732615	-100.427861	77243.014319845	4733247.43108962	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
723	249	184243	105578.85867307335	956077.3170250766	39.50008105679499	-100.4255074	77433.978273043	4733243.449810123	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
724	249	184244	106238.85867307335	956077.3170250766	39.50007381058861	-100.4231699	77634.95804349634	4733239.467193545	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
725	249	184245	106898.85867307335	956077.3170250766	39.50006651926245	-100.4208323	77835.9371429518	4733235.48337545	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
726	249	184246	107558.85867307335	956077.3170250766	39.50005918277936	-100.4184948	78036.961125696	4733231.501164689	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
727	249	184247	108218.85867307335	956077.3170250766	39.50005180103371	-100.4161572	78237.8494952491	4733227.518077085	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
728	249	184248	108878.85867307335	956077.3170250766	39.50004437420375	-100.4138217	78438.074726521	4733223.53445798	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
729	249	184249	109538.85867307335	956077.3170250766	39.50003692021799	-100.4114821	78639.832774722	4733219.554997465	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
730	249	184250	110198.85867307335	956077.3170250766	39.50003039	-100.4091446	78840.83096305	4733215.52962035	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
731	249	184251	110858.85867307335	956077.3170250766	39.50002182277767	-100.406807	79041.8092963384	4733211.575625034	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
732	249	184252	111518.85867307335	956077.3170250766	39.500014215323965	-100.4044695	79242.787587565	4733207.61	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
733	249	184253	112178.85867307335	956077.3170250766	39.50000675621441	-100.4021319	79443.7657605843	4733203.62304594	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
734	249	184254	112838.85867307335	956077.3170250766	39.50000185484901	-100.3997744	79644.74381862034	4733199.64730326	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
735	249	184255	113498.85867307335	956077.3170250766	39.4999974220777	-100.3974418	79845.721196527	4733195.6852941	276.868376255965	260.913496885786	2536.605143170638	2536.605143170638	79.6949219603042	79.7005275854917
736	249	184256	114158.85867307335	956077.3170250766	39.4999933395079	-100.3951193	80046.							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
79	250	184339	-319461.1413	95673.71370250766	39.497181915904235	-101.9308485	247974.0562883513	4737603.655113798	3758.481475429387	3576.265254605372	3468.3305024856036	3469.538821	107.9347521197829	106.7264336070196
80	250	184340	-318801.1413	95673.71370250766	39.497203749731008	-101.9288472	24875.13541433022	4737603.535448643	3757.070425778995	3574.28065458719	3465.6714661784795	3469.2362373994	107.9456248319137	107.7846248319137
81	250	184341	-318181.1413	95673.71370250766	39.49725533680975	-101.9268929	24876.24951515978	4737604.415897887	3758.669676931093	3573.5747932413342	3463.2584231882219	3468.01752868119	110.3203737882275	107.752376466121536
82	250	184342	-317481.1413	95673.71370250766	39.497247891240254	-101.9263872	24877.34561	4737604.2991	3754.2429281109897	3572.201050284714	3461.166782371573	3464.36539797607	111.0633265698944	107.755605984664
83	250	184343	-316821.1413	95673.71370250766	39.4972680322524	-101.9215333	24878.74422181847	4737603.7717399506	3753.737440215342	3570.886215569465	3459.114136913491	3462.6942006123227	111.7720786597393	108.19201493714242
84	250	184344	-316161.1413	95673.71370250766	39.4972066335524	-101.919198	24879.5308787917	4737603.058931867	3746.9401321747966	3569.543011517957	3457.184059341223	3460.7894945461	111.72063818853467	108.7530632279768
85	250	184345	-315501.1413	95673.71370250766	39.4973122164223	-101.9186807	249180.633691973	4737602.84	3742.452968334251	3568.2004332724346	3455.42760168032	3459.145941545672	112.727721044024	109.0058027629398
86	250	184346	-314841.1413	95673.71370250766	39.497333804579676	-101.9145233	249381.72905523598	4737602.421596963	3738.154798534251	3566.854804046584	3453.778801301725	3458.46929747522	113.08452840584	109.371094456361
87	250	184347	-314181.1413	95673.71370250766	39.49735533286952	-101.912186	249692.8241714815	4737602.704	3734.85444561513	3565.516487369083	3452.323447478596	3455.856944583654	113.1930425701048	109.6640791064385
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89	250	184349	-312861.1413	95673.71370250766	39.49738222501076	-101.9075114	249895.013	4737601.426	3730.458631012094	3562.831136925815	3450.383150735731	3453.3386062335	112.4486925054086	109.50345008024657
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91	250	184351	-311541.1413	95673.71370250766	39.497439024039546	-101.9028367	250387.20216143198	4737600.4233	3729.9901277187239	3560.149681877239	3450.011076042505	3449.9917877239	110.3089214516867	110.0500905407855
92	250	184352	-310881.1413	95673.71370250766	39.49746224089591	-101.9004994	250588.2960419097	4737600.11670874	3735.633936915302	3558.794515855404	3449.8657794324395	3449.69418432409	109.928734229649	109.13509742361691
93	250	184353	-310221.1413	95673.71370250766	39.49748346093651	-101.8986121	250789.78697426994	4737600.99308419	3741.289546715309	3557.4446780371936	3449.4892102317963	3449.19682570527	107.9554678953397	108.7254678953397
94	250	184354	-309561.1413	95673.71370250766	39.49750469273286	-101.8958248	250990.4830687447	47375991.88264047	3746.9377564353167	3556.092291	3448.3466736607336	3447.7062328005063	107.7457168632233	108.380577231396
95	250	184355	-308901.1413	95673.71370250766	39.497525833031	-101.8934875	251191.57620121268	47375987.7619396	3748.215919325408	3554.73739729843	3445.83922461277	3445.9787424937525	108.859152685692	108.77958940478028
96	250	184356	-308241.1413	95673.71370250766	39.4975466078459	-101.8911501	251392.6691	47375983.6495616	3748.123035451023	3553.381571357593	3442.2984059451086	3441.279116295794	111.0831564034869	112.1024550481904
97	250	184357	-307581.1413	95673.71370250766	39.49756801708734	-101.8888128	251593.76173430625	47375979.5336636	3747.030151364693	3552.0640501423224	3438.172209896706	3437.14532860465	113.85229315265176	118.91712028185792
98	250	184358	-306921.1413	95673.71370250766	39.49758903821266	-101.8864755	251794.8541466754	47375976.72613474	3550.672867348134	3550.672867348134	3432.598871719159	3432.598871719159	116.0868672721868	118.91712028185792
99	250	184359	-306261.1413	95673.71370250766	39.49761010124269	-101.8841381	251995.9463039974	47375976.33333333	3743.752589478595	3549.3147814122863	3429.130150716534	3427.942340540811	120.1846306030284	121.3724087401795
100	250	184360	-305601.1413	95673.71370250766	39.497630945104245	-101.8818008	252197.132616088	47375967.1307	3740.476171672043	3547.974561021326	3426.17512430027	3423.736279653487	124.8192418002895	121.3724087401795
101	250	184361	-304941.1413	95673.71370250766	39.49765178359576	-101.8794789	252397.129831465	47375963.971993112	3742.33961475163	3546.921114241038	3424.489479094234	3423.736279653487	124.8192418002895	121.3724087401795
102	250	184362	-304281.1413	95673.71370250766	39.49767267	-101.8771261	252599.2120539815	47375959.5020484	3733.9232173983621	3545.520977247503	3419.342996035747	3417.783805250154	126.177900421265	127.3717162274873
103	250	184363	-303621.1413	95673.71370250766	39.49769366776816	-101.8747888	252800.31248294273	47375954.84230687	3740.2781532078702	3544.416835276527	3418.823155091092	3417.783805250154	126.177900421265	127.3717162274873
104	250	184364	-302961.1413	95673.71370250766	39.4977142103683	-101.8724515	253001.4034161675	47375950.72784991	3742.26457476585	3543.331047555576	3418.532526033957	3416.5872014629495	124.7988245218064	126.7440090262688
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106	250	184366	-301641.1413	95673.71370250766	39.49775558	-101.8677798	253403.5845013254	47375942.49834007	3742.2374232573347	3541.1708714572205	3417.4060118132012	3414.3043197537195	123.7648532320086	126.8665170305105
107	250	184367	-300981.1413	95673.71370250766	39.4977761968822	-101.8654394	253604.5779131628	47375938.3650417	3742.2374232573347	3540.331973866969	3416.5872014629495	3414.3043197537195	123.7648532320086	126.8665170305105
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117	250	184377	-294381.1413	95673.71370250766	39.49797986184268	-101.8420659	255615.563495833	47375897.25849043	3732.582294218925	3529.399552781986	3400.70338747387	3398.83310566223	124.6143201429175	126.8503032052952
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121	250	184381	-291741.1413	95673.71370250766	39.4980601819184	-101.8327091	256418.9621987358	47375880.198732318	3732.031293	3525.2286483826	3395.0264851934	3392.712184834596	123.90426561097	126.8503032052952
122	250	184382	-291081.1413	95673.71370250766	39.4980801819184	-101.8303791	256620.987534163	47375876.7031429	3731.631293	3524.2286483826	3394.0264851934	33		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBotKgr.f	SatH.fKgr.f	SatH.BotH.f
200	250	184465	-236301.1413	95673.73170250766	39.4995774723745905	-101.6363739	273130.3653991633	4757356.263	3463.358749193328	41.04748673330427	3233.8742873067195	3237.223195354175	173.2627197896772	173.2627197896772
206	250	184466	-236641.1413	95673.73170250766	39.4996535690576	-101.6340364	273131.43248351605	4757532.7055209	3456.447189346261	40.991126483	3235.461189346261	3239.34316305231	169.7831198430964	169.7831198430964
207	250	184467	-236891.1413	95673.73170250766	39.49969612864	-101.631699	273122.49824465584	4757528.07864597	3457.387989505095	39.9737989505095	3236.817989505095	3239.88537779518	167.9045612871076	167.9045612871076
208	250	184468	-2374321.1413	95673.73170250766	39.49962508661254	-101.6293615	273133.5659827008	4757523.985741585	3455.13761050924	34.06844800961254	3237.87497506934	3240.252332	168.570349998152	168.570349998152
209	250	184469	-233661.1413	95673.73170250766	39.499641732268684	-101.62700241	274114.633981264	4757519.89370576	3456.568046831257	34.059.08938686801	3238.644934147613	3241.673181330429	166.44445172088763	163.4163673807188
210	250	184470	-233001.1413	95673.73170250766	39.49965769651758	-101.6246866	274315.6895060874	4757519.810508308	3457.998483720855	34.073.152510810165	3238.1623934727332	3242.21174694335	164.5259173373923	164.5259173373923
211	250	184471	-232341.1413	95673.73170250766	39.49967382	-101.6223491	274516.76466121844	4757511.710208142	3458.966450382205	34.02.348503632244	3239.9218328621384	3242.210874212607	162.40301750108655	159.11276264166373
212	250	184472	-231681.1413	95673.73170250766	39.4996948955653	-101.6200117	274716.7030933895	4757507.618779975	3457.971948575927	34.001.7045410625	3240.111417492599	3244.563382456334	160.80629719180264	156.7361487789182
213	250	184473	-231021.1413	95673.73170250766	39.49970513814968	-101.6176745	274719.8958	4757508.527564538	3458.977447116113	34.007.989456071768	3240.0130299302466	3246.0872984576373	159.4765136185284	156.0304561312857
214	250	184474	-230361.1413	95673.73170250766	39.499721101963845	-101.6153367	275119.9611400375	4757499.43563913	3460.425845073045	3398.047727793615	3240.044999724049	3244.9852046257455	157.9597720922242	155.04556898938
215	250	184475	-229701.1413	95673.73170250766	39.4997360446808	-101.6129983	275321.062286807	4757496.345774801	3463.91904873783	3396.5794927213	3240.20329533106	3245.45468899147015	151.1245560293146	151.1245560293146
216	250	184476	-229041.1413	95673.73170250766	39.4997533379928	-101.6106618	275522.09108435805	4757491.255	3453.485484224504	3395.092256700075	3240.366634386993	3246.220720190705	154.72662226136824	148.87153065096326
217	250	184477	-228381.1413	95673.73170250766	39.49976818197745	-101.6083243	275723.1557	4757484.164838571	3448.652654871307	3394.882172280604	3240.8594206817485	3246.870146140885	152.7479654628478	146.70142539137818
218	250	184478	-227721.1413	95673.73170250766	39.4997837050257	-101.6059869	275924.2014049804	4757483.074960514	3443.819424992184	3392.054096078966	3241.708067846564	3249.935096095852	150.346314761325	142.1193484240432
219	250	184479	-227061.1413	95673.73170250766	39.49979934	-101.6036484	276125.2843247519	4757478.9745891	3440.501883759169	3242.846278	3252.239858442423	3247.656961954762	136.26382517672652	136.26382517672652
220	250	184480	-226401.1413	95673.73170250766	39.4998148553935	-101.6013119	276236.3482308754	4757474.89503416	3447.404278	3388.92534428157	3244.17004834852	3253.618063315783	144.7548890777206	135.3077880677233
221	250	184481	-225741.1413	95673.73170250766	39.49983032315929	-101.5989744	276527.4102789524	4757470.86526702	3451.522535725886	3387.327091156925	3245.88935	3255.0537895950614	141.428562184045	134.232430400641
222	250	184482	-225081.1413	95673.73170250766	39.499845745571875	-101.596637	276728.4756	4757465.716232147	3455.612022719267	3385.706949	3247.9134002789924	3256.6660979899314	137.935488228772	129.0403391734075
223	250	184483	-224421.1413	95673.73170250766	39.49986112283122	-101.594295	276929.538804565	4757462.627150937	3458.723903056708	3384.068031381139	3250.076134602516	3259.189677897357	125.9989738084314	125.9989738084314
224	250	184484	-223761.1413	95673.73170250766	39.49987645483735	-101.591962	277130.6020302973	4757458.532832072	3460.914198634896	3382.51186276829	3258.068134946064	3260.12961023560697	123.2422642028939	123.2422642028939
225	250	184485	-223101.1413	95673.73170250766	39.49989181789022	-101.5896245	277331.6649160202	4757454.49628641	3463.096834815453	3380.738814390557	3254.102867160624	3261.18628950874	126.639472103269	126.639472103269
226	250	184486	-222441.1413	95673.73170250766	39.49990568	-101.587287	277522.7276589419	4757450.361187339	3465.370401194913	3379.0740370953154	3255.395744002223	3260.270614515097	123.67816455108307	120.7704178130564
227	250	184487	-221781.1413	95673.73170250766	39.49992121639768	-101.584948	277743.7900759333	4757439.145405659	3470.8128929718382	3376.05829718382	3256.652423874564	3262.02323859574	120.4283358371782	120.4283358371782
228	250	184488	-221121.1413	95673.73170250766	39.49993733	-101.582621	277934.8523212058	4757442.184044978	3478.961791011511	3375.61791011511	3252.298987003196	3255.6039412910584	123.3189234503952	120.013699273007
229	250	184489	-220461.1413	95673.73170250766	39.49995243816841	-101.5802746	278135.91423375835	4757438.9107143612	3486.931419307867	3374.80831419307867	3248.0741100502665	3250.8541230094224	125.47663882983718	123.02625236893718
230	250	184490	-219801.1413	95673.73170250766	39.499967499354476	-101.5779371	278336.97601783136	4757434.01	3497.95597760019	3372.1385831309854	3243.980769945807	3245.311126715816	126.8741318517838	126.8741318517838
231	250	184491	-219141.1413	95673.73170250766	39.499982513871214	-101.5755996	278538.3076	4757429.922180956	3493.384190790026	3370.384190790026	3239.5385376749973	3240.7285442661323	120.84578140400527	120.6557481728078
232	250	184492	-218481.1413	95673.73170250766	39.49999749	-101.5732621	278739.0989313677	4757425.30519556	3496.315087	3368.6226044709315	3235.71436862851	3246.7568811919105	120.9803608305335	131.8657393
233	250	184493	-217821.1413	95673.73170250766	39.50001241198197	-101.5709627	278940.160612422	4757421.748871428	3499.2971748871428	3366.8550447799717	3235.178657799717	3248.2932775438703	120.92374538703	120.92374538703
234	250	184494	-217161.1413	95673.73170250766	39.50002729255641	-101.5688787	279141.22074589	4757416.66135648	3498.093113306445	3363.093028	3232.7174200784193	3231.04581842391	120.8650472824392	120.8650472824392
235	250	184495	-216501.1413	95673.73170250766	39.50004213	-101.5662497	279342.2816682914	4757415.574814066	3497.683002074098	3363.307885096332	3228.339122333474	3228.657423424836	120.9697188369945	120.9697188369945
236	250	184496	-215841.1413	95673.73170250766	39.50005691824768	-101.5639122	279543.3421457541	4757409.936520431	3361.5307965508946	3362.840605163874	3226.935092314834	3241.9681733037023	134.5957042395094	134.5957042395094
237	250	184497	-215181.1413	95673.73170250766	39.5000716635907	-101.5615747	279744.4024062407	4757405.402415065	3494.72720956164	3359.75281335955	3225.460107721297	3242.998891898487	134.297054386555	134.75412397040668
238	250	184498	-214521.1413	95673.73170250766	39.500086363316804	-101.5593272	279945.462448996	4757401.31629634	3497.4221581430974	3357.274831366944	3223.9679034200817	3243.0092512815917	134.099057450722	134.099057450722
239	250	184499	-213861.1413	95673.73170250766	39.50010018112088	-101.5568987	280148.5222765827	4757397.230809992	3500.0585963849087	3356.197708239616	3222.27281	324318406305	133.874886292317	137.5914052027765
240	250	184500	-213201.1413	95673.73170250766	39.5001127771244	-101.5544622	280347.581875333	4757393.145405659	3502.1059861387443	3354.422037793725	3220.401652596954	3244.178203693453	133.824383037182	133.824383037182
241	250	184501	-212541.1413	95673.73170250766	39.50013019226788	-101.5522247	280548.641819284	4757389.06	3504.1663847530957	3352.7700352785336	3228.7700352785336	3241.808178878565	133.878282724446	143.8781027293163
242	250	184502	-211881.1413	95673.73170250766	39.5001447116706	-101.5498872	280749.70046031056	4757384.9517134357	3506.187698105147	3350.876797832607	3216.690711925576	3241.9018905582484	134.18626591062412	146.9589718466759
243	250	184503	-211221.1413	95673.73170250766	39.50015918579889	-101.5475497	280950.7542289007	4757380.8903183554	3504.371604105572	3349.10852667179172	3216.873007179172	3241.9370451542995	134.50194913871625	161.1957911858876
244	250	184504	-210561.1413	95673.73170250766	39.50017361483515	-101.5452123	281151.8181698742	4757376.805715036	3497.401089	3347.34345154965	3211.771773822128	3242.99768739024	155.116142576625	155.116142576625
245	250	184505	-209901.1413	95673.73170250766	39.50018798972375	-101.5428748	281352.87880140906	4757372.73124475	3493.030478133231	3345.9372415283965	3209.0774051283965	3243.78724804221	130.50471410089673	130.50471410089673
246	250	184506	-209241.1413	95673.73170250766	39.50020237451308	-101.5405373	281535.9331078417	4757368.63748219	3495.85985446972	3343.822912087038	3206.859596067036	3241.39139119233	136.959562260014	150.576729454624
247	250	184507	-208581.1413	95673.73170250766	39.50021671610249	-101.5382981	281735.9237828984	4757364.50849817869	3497.55814984917869	3342.55814984917869	3205.814984917869	3241.3238965211087	134.8238965211087	140.8238965211087
248	250	184508	-207921.1413	95673.73170250766	39.50023087944475	-101.5358623	281956.051158485	4757360.49435001	3491.3201612119997	3340.622122033	3204.994047477403	3241.8572		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.ft	BRIEVEBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
312	250	184591	-153141.1413	95673.73170250766	39.50125660920339	-131.341848	298648.1275145989	4375022.260503576	387.8069761814463	32.12034949	3099.986203021027	3091.771853942207	112.17384848227741	120.2761148462297
332	250	184592	-152481.1413	95673.73170250766	39.5012665440477	-131.339031	298644.1680945654	4375018.1463115635	338.952324644594	32.186604503308	3098.8026584714116	3092.1965684366286	112.05338713167567	118.69368126645965
333	250	184593	-151921.1413	95673.73170250766	39.501276845804784	-131.337171	298645.204771878	4375014.128972049	338.171788747472	32.186604503308	3097.7123650201155	3092.708841586297	112.05338713167567	118.69368126645965
334	250	184594	-151611.1413	95673.73170250766	39.50128731993966	-131.334311	298642.2466311004	4375010.063525027	332.363705300485	32.0847125302011966	3096.9722026011966	3093.680591904365	111.49697183205406	114.7912825204211
335	250	184595	-150501.1413	95673.73170250766	39.501297673887371	-131.332465	299447.28865190654	4375005.996290494	337.1223707596706	32.268330657611	3096.692365502081	3094.0717088176414	110.57965515522996	113.2512442811971
336	250	184596	-149841.1413	95673.73170250766	39.50130791465068	-131.330159	299648.3286410045	4375001.332642435	334.455593264303	32.061580005133	3096.0726343379	3093.911720817337	109.7987133	112.1406730435422
337	250	184597	-149181.1413	95673.73170250766	39.50131841722176	-131.327214	299849.388	4374997.868485842	336.788821113886	32.044717885496644	3095.738765	3093.57035693142	109.07913809250453	110.8807134891025453
338	250	184598	-148521.1413	95673.73170250766	39.50132832873766	-131.325438	300050.4074	4374993.30381715	336.12620487148	32.03256707291584	3095.4482025263255	3093.781297	110.11368810283284	110.787731949183
339	250	184599	-147861.1413	95673.73170250766	39.50133946847045	-131.323165	300251.4468246874	4374989.274477046	336.111845369892	32.0227824934683	3095.9114657740372	3093.631261017177	109.1687708265578	110.98911568297534
340	250	184600	-147201.1413	95673.73170250766	39.50134856	-131.320387	300452.485649744	4374985.65304089	335.652325504292	32.0036410194238	3094.6050565169653	3093.59812500879	106.3627538144441	107.3525519595508
341	250	184601	-146541.1413	95673.73170250766	39.50135881197645	-131.318471	300653.524641831	4374981.611345015	335.9512917803197	32.019616804391593	3094.273911706233	3093.42411993741	105.4236967328659	106.1928484541835
342	250	184602	-145881.1413	95673.73170250766	39.50136815038764	-131.316135	300854.563072608	4374977.5475976495	335.2447545976495	32.0182839015026	3094.0064848368797	3092.921813305025	104.23235471841612	105.34769979012339
343	250	184603	-145221.1413	95673.73170250766	39.50137853723784	-131.313796	301055.6014907437	4374973.484	334.4888933020463	32.019616804391593	3093.3457095794756	3092.801144178838	103.71471258985405	104.71271839022161
344	250	184604	-144561.1413	95673.73170250766	39.5013884725265	-131.311454	301256.6392756196	4374969.240701825	334.9283519534243	32.019616804391593	3092.55573326735	3091.31812079988	102.84723755771483	104.08485065746163
345	250	184605	-143901.1413	95673.73170250766	39.50139835525334	-131.309128	301457.67759669	4374965.367630059	334.368009881543	32.019616804391593	3091.6821331231167	3090.75848799696	103.756216226557	103.756216226557
346	250	184606	-143241.1413	95673.73170250766	39.50140817884183	-131.306732	301658.715936967	4374961.29473231	333.8017681687028	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
347	250	184607	-142581.1413	95673.73170250766	39.5014176690214	-131.304457	301859.752360187	4374957.32	333.321463972602	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
348	250	184608	-141921.1413	95673.73170250766	39.5014278960619	-131.302181	302060.7968413744	4374953.169574044	332.724466466825	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
349	250	184609	-141261.1413	95673.73170250766	39.50143737755403	-131.2997705	302261.827938258	4374949.107313466	332.7202792365224	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
350	250	184610	-140601.1413	95673.73170250766	39.501447302145584	-131.2974329	302462.864968582	4374945.04526522	331.87451201266124	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
351	250	184611	-139941.1413	95673.73170250766	39.5014568175808	-131.295054	302663.901665330	4374941.38349297	331.435352524534	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
352	250	184612	-139281.1413	95673.73170250766	39.501466169898	-131.2927578	302864.93865336	4374936.321805893	330.9185201975184	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
353	250	184613	-138621.1413	95673.73170250766	39.5014764786254	-131.290416	303079.431753376	4374930.860241728	329.4423860241728	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
354	250	184614	-137961.1413	95673.73170250766	39.5014851384987	-131.2880265	303267.0113060495	4374928.79195901	330.806487525667	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
355	250	184615	-137301.1413	95673.73170250766	39.5014955555886	-131.285745	303468.0470450493	4374924.738209398	330.30777184377	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
356	250	184616	-136641.1413	95673.73170250766	39.50150392741246	-131.2834075	303669.083024427	4374920.67435213	330.024291514636	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
357	250	184617	-135981.1413	95673.73170250766	39.5015133390968	-131.2810699	303870.7011981955	4374916.617	329.317380409434	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
358	250	184618	-135321.1413	95673.73170250766	39.5015225356204	-131.2787323	304071.15452938137	4374912.5663276	329.338152525232	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
359	250	184619	-134661.1413	95673.73170250766	39.5015317143487	-131.2763314	304272.189854336	4374906.31905893	328.8400991504096	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
360	250	184620	-134001.1413	95673.73170250766	39.50154095246484	-131.2740017	304473.2249855455	4374900.63461496	327.7602055234653	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
361	250	184621	-133341.1413	95673.73170250766	39.501550382134314	-131.2717195	304674.2599037437	4374900.37487895	327.12050590924	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
362	250	184622	-132681.1413	95673.73170250766	39.5015592094931	-131.2693819	304875.248616085	4374897.61248343	326.5480481410581	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
363	250	184623	-132021.1413	95673.73170250766	39.50156824667826	-131.2670444	305067.9329241345	4374892.25670162	326.205853376818	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
364	250	184624	-131361.1413	95673.73170250766	39.5015772509062	-131.2647068	305277.363101836	4374888.19884236	325.268590806287	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
365	250	184625	-130701.1413	95673.73170250766	39.5015862240577	-131.2623692	305478.397785145	4374884.14020355	324.739628366528	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
366	250	184626	-130041.1413	95673.73170250766	39.50159516031481	-131.260016	305679.431753376	4374880.081391114	324.7476357	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
367	250	184627	-129381.1413	95673.73170250766	39.50160405225526	-131.257684	305880.654573266	4374876.02299932	324.7159208234654	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
368	250	184628	-128721.1413	95673.73170250766	39.50161286052316	-131.2553564	306081.4991805087	4374871.96470214	324.2884148418383	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
369	250	184629	-128061.1413	95673.73170250766	39.5016216496715	-131.2530188	306282.5329578534	4374867.9068812	324.710738602117	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
370	250	184630	-127401.1413	95673.73170250766	39.50163039314064	-131.2506812	306483.568255317	4374863.488855725	324.18550587588	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
371	250	184631	-126741.1413	95673.73170250766	39.5016398343999	-131.2483436	306684.5886837327	4374859.791295203	323.3686810161676	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
372	250	184632	-126081.1413	95673.73170250766	39.50164747258927	-131.2460061	306885.6317126659	4374855.73991784	323.25401	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
373	250	184633	-125421.1413	95673.73170250766	39.50165618351465	-131.2437287	307094.731753376	4374851.92784927	322.849378432322	32.019616804391593	3090.684784916174	3090.75848799696	102.84723755771483	104.08485065746163
374	250	184634	-124761.1413	95673.73170250766	39.5016648954207	-131.241339	307287.69943489	4374847.6179108	322.02385416545	32.0196				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElev.f	W.Lt.f
457	250	18717	-69981.14133	95673.73170250766	39.50221786116578	-101.047309	32792.754927681	4374511.631465579	3139.6848598903093	2929.4652149529953	2957.7739436932056	2957.039614058836	71.89127125975365	72.42925390707659
458	250	18718	-69932.14133	95673.73170250766	39.50222262679033	-101.044874	32471.73714332764	4374507.592304035	3135.192087778473	3028.0398698597524	2956.195673339234	2956.03828966423219	71.84453465	72.2110336320141
459	250	18719	-69861.14133	95673.73170250766	39.50222747259405	-101.042638	32474.7883032516	4374503.553364698	3137.288147878043	3028.0398698597524	2956.195673339234	2956.03828966423219	71.898047696921478	72.2110336320141
460	250	18720	-69801.14133	95673.73170250766	39.5022302256842	-101.0402962	32455.70570260882	4374495.516471777	3135.22108818472305	3028.0398698597524	2956.195673339234	2956.03828966423219	71.848469713135219	71.77735072740876
461	250	18721	-67731.14133	95673.73170250766	39.50223665271964	-101.0379685	32477.682256482	4374495.47671171	3130.6224054559348	3023.806271491962	2952.3811088747415	2955.715677588992	71.42516261749051	68.0905939032761
462	250	18722	-66681.14133	95673.73170250766	39.50224123771303	-101.0356209	32497.83198186426	4374493.47700411	3127.293068728495	3022.4072735110087	2951.5281355895913	2952.405370131165	70.89173561731165	68.96674234789221
463	250	18723	-66021.14133	95673.73170250766	39.502245774864	-101.0332823	32518.855672192	4374493.47700411	3127.293068728495	3022.4072735110087	2951.5281355895913	2952.405370131165	70.89173561731165	68.96674234789221
464	250	18724	-65361.14133	95673.73170250766	39.50250272226243	-101.0309456	32539.78719888237	4374483.361783135	3116.9140715477264	3019.6176665861656	2950.78330470039	2951.218981490022	70.834327153141	68.33877505959208
465	250	18725	-64701.14133	95673.73170250766	39.50254274774681	-101.028608	32550.8912383784	4374482.817830007	3115.0885118601443	3019.6176665861656	2950.78330470039	2951.218981490022	70.834327153141	68.33877505959208
466	250	18726	-64041.14133	95673.73170250766	39.5025912610855	-101.0252704	325781.9041101951	4374475.287	3105.28654503126	3016.8147471962335	2951.7904545272302	2952.0955502327226	65.012056893027	62.77717250387
467	250	18727	-63381.14133	95673.73170250766	39.50263348531285	-101.0239327	325882.9196176233	4374471.24337427	3101.7809259440105	3015.45833671359	2953.087519763543	2953.229576476277	62.7070833078616	62.722772733731
468	250	18728	-62721.14133	95673.73170250766	39.502678	-101.021951	32618.93555220544	4374467.21231677	3101.5816635154231	3014.0776297234474	2954.984635016156	2955.10530576119	69.09299470729138	58.97324147328436
469	250	18729	-62061.14133	95673.73170250766	39.5027206824792	-101.0192575	32638.951822544	4374463.175497328	3099.382375582741	3012.6993059326996	2957.3712807835555	2957.605423	65.0282616344126	55.0928829343126
470	250	18730	-61401.14133	95673.73170250766	39.5027619791865	-101.0169199	32658.9638118495	4374459.138874365	3098.18317630584	3011.323138276437	2959.9458735599674	2960.097366769972	51.3772402067673	51.2252050767193
471	250	18731	-60741.14133	95673.73170250766	39.5028047055152	-101.0148522	32678.9814473393	4374450.46627825	3097.647170328982	3009.9487793427656	2961.593923069303	2961.887676533143	48.0695148845133	48.0695148845133
472	250	18732	-60081.14133	95673.73170250766	39.5028463966515	-101.0124448	32687.9940722205	4374451.0662352	3022.78117119151	3008.57046	2961.29717358579	2961.6241104296423	47.78872720302091	47.78872720302091
473	250	18733	-59421.14133	95673.73170250766	39.50282889	-101.00907	32718.9111980005	4374447.03027723	3003.90452049439	3007.2048427416044	2959.549681020046	2959.549681020046	47.654681689969784	47.654681689969784
474	250	18734	-58761.14133	95673.73170250766	39.5029273328225	-101.0075693	32730.0258234822	4374442.99464233	3002.83290929799	3005.832186851763	2957.582275728514	2958.2664378709597	48.0695148845133	48.0695148845133
475	250	18735	-58101.14133	95673.73170250766	39.50296273264512	-101.0052317	327591.04027907166	4374438.95830008	3057.77452196613	3004.455532366325	2949.409084387626	2950.1943358557392	50.0454802765229	50.0454802765229
476	250	18736	-57441.14133	95673.73170250766	39.5023006860741	-101.0028941	327792.0546677696	4374438.95830008	3057.77452196613	3004.455532366325	2949.409084387626	2950.1943358557392	50.0454802765229	50.0454802765229
477	250	18737	-56781.14133	95673.73170250766	39.5023049	-101.0005624	32789.068867992	4374438.95830008	3057.77452196613	3004.455532366325	2949.409084387626	2950.1943358557392	50.0454802765229	50.0454802765229
478	250	18738	-56121.14133	95673.73170250766	39.50230496140554	-100.998218	32794.08263934848	4374438.95830008	3057.77452196613	3004.455532366325	2949.409084387626	2950.1943358557392	50.0454802765229	50.0454802765229
479	250	18739	-55461.14133	95673.73170250766	39.50230496140554	-100.998218	32794.08263934848	4374438.95830008	3057.77452196613	3004.455532366325	2949.409084387626	2950.1943358557392	50.0454802765229	50.0454802765229
480	250	18740	-54801.14133	95673.73170250766	39.50231045051085	-100.995345	32856.11	4374418.749971028	3053.951978236653	2997.444815114055	2925.2126594304845	2937.0319361001	62.12321556837045	60.0527717503417
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482	250	18742	-53481.14133	95673.73170250766	39.50232345443355	-100.9888682	32898.13677890226	4374410.71580407	3051.864565826491	2994.568825688346	2928.72174490074	2929.8182048763	61.7562162127055	61.7562162127055
483	250	18743	-52821.14133	95673.73170250766	39.50232345443355	-100.9888682	32898.13677890226	4374410.71580407	3051.864565826491	2994.568825688346	2928.72174490074	2929.8182048763	61.7562162127055	61.7562162127055
484	250	18744	-52161.14133	95673.73170250766	39.50233068229015	-100.984193	32940.16284917266	4374404.64834004	3048.74467969838	2991.6433813018	2913.710738014494	2913.815693738884	71.9320491156843	69.8276427153141
485	250	18745	-51501.14133	95673.73170250766	39.50233068229015	-100.984193	32940.16284917266	4374404.64834004	3048.74467969838	2991.6433813018	2913.710738014494	2913.815693738884	71.9320491156843	69.8276427153141
486	250	18746	-50841.14133	95673.73170250766	39.50233068229015	-100.984193	32940.16284917266	4374404.64834004	3048.74467969838	2991.6433813018	2913.710738014494	2913.815693738884	71.9320491156843	69.8276427153141
487	250	18747	-50181.14133	95673.73170250766	39.50233068229015	-100.984193	32940.16284917266	4374404.64834004	3048.74467969838	2991.6433813018	2913.710738014494	2913.815693738884	71.9320491156843	69.8276427153141
488	250	18748	-49521.14133	95673.73170250766	39.50234459172605	-100.9784424	330024.2129988325	4374403.515798951	3053.2130454026	2985.5429868872873	2915.20483238625	2916.567480264807	73.889196264807	69.1268149750681
489	250	18749	-48861.14133	95673.73170250766	39.50234459172605	-100.9784424	330024.2129988325	4374403.515798951	3053.2130454026	2985.5429868872873	2915.20483238625	2916.567480264807	73.889196264807	69.1268149750681
490	250	18750	-48201.14133	95673.73170250766	39.50235128	-100.9761672	33006.237816935	4374378.450793832	3054.9459329514	2982.42061928127	2920.628108952014	2920.31428423205	62.0888138466882	62.0888138466882
491	250	18751	-47541.14133	95673.73170250766	39.50235128	-100.9761672	33006.237816935	4374378.450793832	3054.9459329514	2982.42061928127	2920.628108952014	2920.31428423205	62.0888138466882	62.0888138466882
492	250	18752	-46881.14133	95673.73170250766	39.50235128	-100.9761672	33006.237816935	4374378.450793832	3054.9459329514	2982.42061928127	2920.628108952014	2920.31428423205	62.0888138466882	62.0888138466882
493	250	18753	-46221.14133	95673.73170250766	39.50235128	-100.9761672	33006.237816935	4374378.450793832	3054.9459329514	2982.42061928127	2920.628108952014	2920.31428423205	62.0888138466882	62.0888138466882
494	250	18754	-45561.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
495	250	18755	-44901.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
496	250	18756	-44241.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
497	250	18757	-43581.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
498	250	18758	-42921.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
499	250	18759	-42261.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
500	250	18760	-41601.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081	3079.37067027805	2975.542769626656	2925.206335749624	2924.082540514594	50.3364337868324	51.4022922111736
501	250	18761	-40941.14133	95673.73170250766	39.5023614113777	-100.9608166	33140.2833	4374362.32318081						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogsKgf.	BRElevBothKgf.	SeaHgtVeg5m	SurHtBoth.ft
583	250	184843	13178.85867303351	95673.73170250766	39.502462710354955	-100.7527664	39499.656612691	4374004.359948908	2908.613635935402	2786.6728400992724	2786.9275958184016	50.68279592172984	50.4374602060675	
584	250	184844	13838.85867303351	95673.73170250766	39.5024617960576	-100.7504287	34990.5046193696	4374000.347366752	2902.693895853434	2835.821550694125	2785.070284194523	50.75129274925256	50.4479630618687	
585	250	184845	14488.85867303351	95673.73170250766	39.50246081609184	-100.7480811	34970.615122711905	4373996.334897004	2894.274064106817	2784.118745882555	2784.3741488449416	50.1535182650494	49.80071440857413	
586	250	184846	15148.85867303351	95673.73170250766	39.502459198809	-100.7457335	35002.9809198809	4373992.32327655	2898.818076952255	2832.7016630741	2783.040226997104	50.31194373365506	49.04820248519309	
587	250	184847	15818.85867303351	95673.73170250766	39.502458724216035	-100.7434158	35010.6452418433	4373984.310888997	2898.546182527546	2815.716098536725	2782.666785958713	50.27848140340548	48.4906238956585	
588	250	184848	16478.85867303351	95673.73170250766	39.5024573728517	-100.7410782	35030.6421627132	4373984.2991125	2899.586781249613	2829.586781249613	2781.391512573728	50.4071164543216	47.76503385174203	
589	250	184849	17138.85867303351	95673.73170250766	39.502456487196646	-100.7387405	35050.6387670026	4373984.268191921	2901.332324016454	2828.407485890963	2779.6822543214204	50.27848140340548	48.4906238956585	
590	250	184850	17798.85867303351	95673.73170250766	39.502455291948816	-100.7364029	35070.636262331	4373976.276302079	2902.726759761845	2826.4007368682314	2777.317999862474	50.35953089239	49.0146805999233	
591	250	184851	18498.85867303351	95673.73170250766	39.50245405154486	-100.7340653	35080.63161441023	4373976.1317229454	2903.8245459206972	2784.2845459206972	2774.20824734041923	50.68279592172984	50.1535182650494	
592	250	184852	19118.85867303351	95673.73170250766	39.50245276581705	-100.7317276	35108.827813913	4373992.254237489	2912.14490742004	2822.221691525463	2770.587177346232	50.2719821553935	52.59570384752386	
593	250	184853	19778.85867303351	95673.73170250766	39.50245143526039	-100.72939	35120.6382856213	4373984.243610661	2917.953139737376	2821.61300557813	2766.50690189728	50.20245137	55.4388077503248	
594	250	184854	20438.85867303351	95673.73170250766	39.5024503843289	-100.7270523	35151.0189056708	4373960.23134192	2927.773630514727	2819.989785872501	2762.5226310108274	50.2719821553935	52.59570384752386	
595	250	184855	21098.85867303351	95673.73170250766	39.50244863839291	-100.7247147	35171.6158528233	4373956.22286039	2926.28674431788	2818.3790563340544	2758.521733849046	50.4786143809746	50.7645142430832	
596	250	184856	21758.85867303351	95673.73170250766	39.5024471124694	-100.7223737	35191.6211256749	4373952.21281202	2925.49584951178	2816.754045471618	2754.499738528621	50.4786143809746	50.7645142430832	
597	250	184857	22418.85867303351	95673.73170250766	39.50244596	-100.7200394	35211.6087064058	4373948.20266668	2924.71056772262	2815.123210739688	2753.89730329988	50.4786143809746	50.7645142430832	
598	250	184858	23078.85867303351	95673.73170250766	39.50244412048014	-100.717917	35231.6020535943	4373944.19331427	2923.922473878705	2813.48195257167	2747.2440554385494	50.4786143809746	50.7645142430832	
599	250	184859	23738.85867303351	95673.73170250766	39.502442052068024	-100.7153641	35251.5972585351	4373940.13806941	2924.354155198746	2811.85207229778	2743.736881484022	50.4786143809746	50.7645142430832	
600	250	184860	24398.85867303351	95673.73170250766	39.50244085578105	-100.7130264	35271.65923210728	4373934.174969179	2926.00550550876	2810.214954	2740.6983828753073	50.4786143809746	50.7645142430832	
601	250	184861	25058.85867303351	95673.73170250766	39.50243916	-100.7106888	35291.5872414095	4373932.16568738	2927.657038811224	2808.5771048616326	2737.897021758575	50.4786143809746	50.7645142430832	
602	250	184862	25718.85867303351	95673.73170250766	39.50243742664894	-100.7083512	35311.5820197529	4373928.157	2929.306481117765	2806.3964175610026	2735.595761543623	50.4786143809746	50.7645142430832	
603	250	184863	26378.85867303351	95673.73170250766	39.50243634434564	-100.7060135	35331.9756653074	4373924.13939331	2929.9048949179005	2805.294382912321	2732.878895090231	50.4786143809746	50.7645142430832	
604	250	184864	27038.85867303351	95673.73170250766	39.50243516884135	-100.703769	35350.5215117295	4373920.14395373	2929.454546217379	2803.65406530699	2730.8553169701274	50.68279592172984	50.7645142430832	
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606	250	184866	28358.85867303351	95673.73170250766	39.50240304695614	-100.6990006	35392.55971729534	4373912.12319045	2928.5268748123305	2800.336416	2726.917756469849	50.4786143809746	50.7645142430832	
607	250	184867	29018.85867303351	95673.73170250766	39.5024280635063	-100.696663	354123.5538	4373908.11607061	2930.311848	2798.673635815112	2725.2648659477018	50.4786143809746	50.7645142430832	
608	250	184868	29678.85867303351	95673.73170250766	39.5024260545643	-100.694235	354324.547194451	4373904.10853278	2934.341301407774	2797.004309	2723.65985169685	50.4786143809746	50.7645142430832	
609	250	184869	30338.85867303351	95673.73170250766	39.5024240220409	-100.6919877	354525.5415985295	4373900.10126093	2938.370214119174	2795.32616672016	2722.464740574559	50.4786143809746	50.7645142430832	
610	250	184870	30998.85867303351	95673.73170250766	39.5024197037963	-100.68965	354726.531593703	4373896.094108303	2942.399397170565	2793.647482	2721.710972669393	50.4786143809746	50.7645142430832	
611	250	184871	31658.85867303351	95673.73170250766	39.5024187922487	-100.6873454	354927.52689601224	4373892.08720968	2943.51130967823	2791.9611478858	2724.788340056877	50.4786143809746	50.7645142430832	
612	250	184872	32318.85867303351	95673.73170250766	39.50241757498208	-100.6850477	355128.52103719	4373888.0514046	2944.717413520493	2790.58493298373	2723.74112752282	50.4786143809746	50.7645142430832	
613	250	184873	32978.85867303351	95673.73170250766	39.502415337613286	-100.6828371	355329.5152686847	4373884.074032167	2947.919698190923	2788.5648119857065	2720.15496719661	50.4786143809746	50.7645142430832	
614	250	184874	33638.85867303351	95673.73170250766	39.5024130685702	-100.6802995	355503.508391239	4373880.07640045	2938.121964227837	2786.856648113544	2719.58109606446	50.4786143809746	50.7645142430832	
615	250	184875	34298.85867303351	95673.73170250766	39.502411703469015	-100.6779618	355731.501302407	4373876.01688859	2935.275323969827	2784.11866770021	2719.092039092654	50.4786143809746	50.7645142430832	
616	250	184876	34958.85867303351	95673.73170250766	39.50240836500973	-100.6756242	355932.494122397	4373872.055847185	2931.37989428235	2783.421590923076	2718.439372267434	50.4786143809746	50.7645142430832	
617	250	184877	35618.85867303351	95673.73170250766	39.50240598049226	-100.6732683	356133.4867952561	4373868.05	2927.484061649763	2781.698305991375	2717.8510323295106	50.4786143809746	50.7645142430832	
618	250	184878	36278.85867303351	95673.73170250766	39.50240479169704	-100.6709458	356334.478297505	4373864.04177402	2928.589194763026	2779.94741633906	2716.67423082626	50.4786143809746	50.7645142430832	
619	250	184879	36938.85867303351	95673.73170250766	39.502403681722	-100.6686113	356535.471255834	4373860.05936312	2929.0413043960104	2778.2259698795096	2715.57307100236	50.4786143809746	50.7645142430832	
620	250	184880	37598.85867303351	95673.73170250766	39.5023983919225	-100.6662736	356736.463931651	4373856.03442823	2916.84341229147	2776.480821353444	2714.366322234034	50.4786143809746	50.7645142430832	
621	250	184881	38258.85867303351	95673.73170250766	39.50239584081435	-100.663936	356937.545026562	4373852.03	2913.91539838284	2774.258358130199	2712.955891362967	50.4786143809746	50.7645142430832	
622	250	184882	38918.85867303351	95673.73170250766	39.50239320053334	-100.6615983	357131.48481	4373848.025115115	2910.445654754025	2772.969548545586	2711.1995143961365	50.4786143809746	50.7645142430832	
623	250	184883	39578.85867303351	95673.73170250766	39.5023910506724	-100.6592607	357339.439281881	4373844.027070375	2907.0082023184096	2771.798473050486	2710.012800565	50.4786143809746	50.7645142430832	
624	250	184884	40238.85867303351	95673.73170250766	39.502389774443036	-100.6569213	357540.413436396	4373840.01689570	2903.32996363927	2770.471952403057	2708.734895237722	50.4786143809746	50.7645142430832	
625	250	184885	40898.85867303351	95673.73170250766	39.50238849860079	-100.654638	357742.43238026	4373836.010987157	2904.591987209827	2769.45319588893	2707.54971988893	50.4786143809746	50.7645142430832	
626	250	184886	41558.85867303351	95673.73170250766	39.50238718772046	-100.6522478	357942.416395411	4373832.008885715	2905.974257519365	2768.791511749664	2706.7890200237	50.4786143809746	50.7645142430832	
627	250	184887	42218.85867303351	95673.73170250766	39.50238613216203	-100.6499101	358143.4093120153	4373828.00534787	2906.6918719508316	2767.846728549487	2704.452638033864	50.4786143809746	50.7645142430832	
628	250	184888	42878.85867303351	95673.73170250766	39.50237641036554	-100.6475725	358344.397088094	4373824.002017487	2908.806775	2762.141234159042	2703.5487953225124	50.4786143809746	50.7645142430832	
629	250	184889	43538.85867303351	95673.73170250766	39.50237343365099	-100.6452349	358545.38811197015	4373819.9988709	2901.92132307287	2760.821329466575	2702.604			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKgr.f	BREIEvLogKgr.f	SatHtLogKgr.f	SatLthBoth.f
700	184969	96338.85867307335	95673.7170250766	35.501909629309766	-100.4582247	744624.26418591914	4733500.429	2692.7628327464827	2622.6386571716694	2542.1919393699322	2542.217509253022	84.4467178017312	80.4214719186472	
710	184970	96338.85867307335	95673.7170250766	35.501984015118666	-100.455887	748255.2268379689	4734486.447794738	2690.1142952621477	2620.932313767337	2539.8439836337526	2539.5231340184914	81.0796475249623	81.3915173852434	
720	184971	96338.85867307335	95673.7170250766	35.50196645170066	-100.453644	750265.20730742313	473492.458629813	2691.5113693989147	2619.2261538161485	2538.030692153865	2537.63869389856	81.18616170276302	81.5881675821351	
730	184972	96338.85867307335	95673.7170250766	35.50170651264296	-100.4512118	752527.18776374434	4734984.47145638	2694.9541737066833	2617.6041032816493	2537.94865725048	2537.499691177077	79.655462960144	80.1044172445784	
740	184973	96338.85867307335	95673.7170250766	35.50196380160115	-100.4488742	754528.168077331	4734984.85634989	2692.3696146714215	2616.07563238534	2539.9444735992	2539.7895416776767	76.12618764396178	76.286290767516	
750	184974	96338.85867307335	95673.7170250766	35.50170571067800	-100.446536	756429.1482521994	473480.5	2679.839354541545	2614.5945381025804	2543.2208610486496	2543.48985734176	71.3767705	71.046503145416	
760	184975	100298.85867307335	95673.7170250766	35.50196026680318	-100.444119	757830.128326839	473476.51524415	2678.30637	2613.118939136623	2546.41386381026	2547.0453717792057	68.68607575	66.0736735747123	
770	184976	100298.85867307335	95673.7170250766	35.50194338166489	-100.441814	760371.10834569705	473473.753065671	2677.796911533955	2611.6310514231436	2545.234949303146	2545.6475432633824	66.3963569	65.9830819561719	
780	184977	101618.85867307335	95673.7170250766	35.5019645137278	-100.438628	762626.081464265	473462.458629813	2677.287465989107	2610.125969795145	2539.46742291445	2539.2747338870028	70.5871538870028	70.5871538870028	
790	184978	102278.85867307335	95673.7170250766	35.5019247592341	-100.437167	764333.076557932	473464.56121439	2677.77802277886	2608.60419866027	2534.21305366997	2533.8198035647783	74.78421621	74.78421621	
795	184979	102938.85867307335	95673.7170250766	35.50192545318686	-100.434485	766343.0744847948	473460.57693194	2675.76069679496	2607.067158608934	2529.8968034091034	2529.435624598903	71.703501978984	77.63153401190942	
800	184980	103598.85867307335	95673.7170250766	35.5019153895313	-100.4325109	76835.026914307	473456.59297151	2674.2532431061624	2605.5178955437077	2526.304924947286	2525.911330848947	72.126660449271	79.6065650542358	
810	184981	104258.85867307335	95673.7170250766	35.5019087682322	-100.4301733	77036.0062671315	473452.609	2672.709858351464	2603.968618144049	2523.6352140847207	2523.63885848267	80.3234005939831	80.62892895872214	
820	184982	104918.85867307335	95673.7170250766	35.50190112255413	-100.4278357	77226.985492077	473448.62545263	2671.1844826952675	2602.3913120640131	2521.60895499438	2521.482115850542	78.0416169456257	80.9091962134571	
830	184983	105678.85867307335	95673.7170250766	35.50189123118986	-100.4254891	77437.96450628206	473443.642034138	2670.554111048586	2600.9418454976153	2519.982734030364	2519.973936	80.8321706725119	80.84148982	
840	184984	106238.85867307335	95673.7170250766	35.50188674265224	-100.423195	77638.9430155224	473440.65842809	2670.8188629611886	2599.229372220677	2518.18620902035	2518.338157572024	81.0416732404213	80.891214856355	
850	184985	106898.85867307335	95673.7170250766	35.5018793837702	-100.4208229	77839.9224810884	473436.678264835	2671.0835748175186	2597.83587493087	2516.193820941543	2516.1848873201693	81.0475634523276	81.4475013676776	
860	184986	107558.85867307335	95673.7170250766	35.5018704674072	-100.4184853	778040.9012441013	473432.693033068	2671.348286673486	2596.035406519366	2513.273641435086	2513.290531900616	82.796075184273	82.67635456133079	
870	184987	108218.85867307335	95673.7170250766	35.50186464860671	-100.4161477	78241.878907993	473432.710451719	2670.545511035513	2594.426881098976	2509.470878253586	2509.64924983315	84.070426561805	84.77943126	
880	184988	108878.85867307335	95673.7170250766	35.50185723778594	-100.4138101	78442.858413742	473430.728078959	2668.07539211858	2592.81599676158	2504.790748878013	2504.796745363245	84.8525247880703	83.7390424003411	
890	184989	109538.85867307335	95673.7170250766	35.50184976560806	-100.4114725	78643.8386304036	473430.71591513	2665.804984766522	2591.198537226634	2499.317151252489	2499.3714271605104	85.888986434483	81.8271250828345	
900	184990	110198.85867307335	95673.7170250766	35.50184224873718	-100.4091349	78844.81531950994	473426.7639076	2663.574716939526	2589.574651222614	2493.7181760678245	2493.67269290217	86.5565751478968	85.8134920829313	
910	184991	110858.85867307335	95673.7170250766	35.50183496133891	-100.406718	79045.838174771	473422.76215833	2662.574716939526	2587.98568928197	2489.789145365824	2489.789145365824	87.378177111496	86.398177111496	
920	184992	111518.85867307335	95673.7170250766	35.50182708	-100.4044597	79246.771386518	473408.80957198	2662.500207531298	2586.20509186823	2487.184185443437	2487.495895174259	89.1364047343827	88.2462201	
930	184993	112178.85867307335	95673.7170250766	35.501819452326226	-100.402122	79437.7493373816	473404.81931758	2662.56772715548	2584.686994623074	2486.971748322254	2487.3289885663704	97.71474963	97.3757108938662	
940	184994	112838.85867307335	95673.7170250766	35.5018117273634	-100.3997844	79648.7271774254	473400.83233755	2662.634324537556	2583.04872484304	2487.78328377936	2487.968259724132	95.25548606367	95.080527601719	
950	184995	113498.85867307335	95673.7170250766	35.5018038624339	-100.3974468	79849.70490146946	473396.857324454	2665.22586	2581.406751338877	2489.2686144665245	2489.1294621935644	92.277881263235	92.277881263235	
960	184996	11418.85867307335	95673.7170250766	35.5017619596647	-100.3951092	80050.6825105251	473392.87662438	2670.3417199	2579.704893327384	2490.007520442856	2489.298796215674	89.7526528988247	90.40226971	
970	184997	11478.85867307335	95673.7170250766	35.5017619596647	-100.3951092	80050.6825105251	473392.87662438	2670.3417199	2579.704893327384	2490.007520442856	2489.298796215674	89.7526528988247	90.40226971	
980	184998	115478.85867307335	95673.7170250766	35.50175049	-100.393454	80249.513825173	473390.45381734	2670.3417199	2579.704893327384	2490.007520442856	2489.298796215674	89.7526528988247	90.40226971	
990	184999	116138.85867307335	95673.7170250766	35.5017256019407	-100.3880964	80653.6146529116	473380.39377426	2683.03819655748	2574.7949127365796	2491.920827667809	2489.108974119318	82.8740505877006	85.8983982	
740	185000	116138.85867307335	95673.7170250766	35.50174581289444	-100.385758	80854.5918061325	473376.95591487	2682.851202142673	2573.131261209176	2478.9921060901374	2478.992397667071	82.8740505877006	85.8983982	
1	185001	-370941.1413	957397.3170250766	35.4975124722281	-102.1132225	232291.863721413	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
2	185002	-370281.1413	957397.3170250766	35.49717783	-102.1108853	232492.8049103472	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
3	185003	-369621.1413	957397.3170250766	35.49720314	-102.108548	232694.0964451803	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
4	185004	-368941.1413	957397.3170250766	35.4972280470906	-102.106198	232895.213030275	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
5	185005	-368301.1413	957397.3170250766	35.49723629594586	-102.1037875	233096.3289166892	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
6	185006	-367641.1413	957397.3170250766	35.49727805248975	-102.1015363	233297.4455050332	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
7	185007	-366981.1413	957397.3170250766	35.49737004	-102.099199	233498.5598308486	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
8	185008	-366321.1413	957397.3170250766	35.497329020433405	-102.0968618	233699.6705414626	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
9	185009	-365661.1413	957397.3170250766	35.497354060313908	-102.0945245	233890.78988810128	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
10	185010	-365001.1413	957397.3170250766	35.49737905042783	-102.0921872	234011.9047097144	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
11	185011	-364341.1413	957397.3170250766	35.497399052658	-102.0897127	234123.0047097144	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
12	185012	-363681.1413	957397.3170250766	35.497419052658	-102.087312	234234.10347097144	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
13	185013	-363021.1413	957397.3170250766	35.4974537883531	-102.0851758	234305.246302406	473765.769883499	3680.851053043692	3611.115641786107	3611.6525927438033	3609.69413508123	69.1624062988861	69.1624062988861	
14	185014	-362361.1413	957397.3170250766	35										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatH3Krg.f	SatHBoth.f
95	251	185095	-308091.1413	95.7937	31.70250766	36.49933859312099	-11.8935147	251195.7019220608	3746189.071485576	3744.58993484311	3553.53283629556	3447.593675449614	3447.2488524866635	106.2839814289234
96	251	185096	-308241.1413	95.7937	31.70250766	36.49935597011435	-11.8911773	251396.7946415627	3744.589107794701	3552.1716491042935	3443.384470269562	3443.3030675632948	3443.7606253798738	106.86765623798738
97	251	185097	-308381.1413	95.7937	31.70250766	36.499371956772	-11.8888636	251597.8670591014	3746.186145677782	3550.804115894897	3438.710213895685	3438.662583566465	3438.662583566465	112.09815823899458
98	251	185098	-308621.1413	95.7937	31.70250766	36.49940173635109	-11.8865025	251798.9270428229	3747.76226993436	3547.4752357	3442.943293548234	3433.84064612192	3433.1120845560645	115.60228737472202
99	251	185099	-308261.1413	95.7937	31.70250766	36.499422771019446	-11.8841651	252000.07117519344	3743.052862599818	3548.075433736327	3428.865642677297	3428.960017393275	119.2059712685402	119.9854163430482
100	251	185100	-305601.1413	95.7937	31.70250766	36.4994347	-11.8812878	252201.1266233132	3746.168149247476	3546.760668824024	3423.655321414544	3423.69426822807	3423.69426822807	120.0734734094797
101	251	185101	-304941.1413	95.7937	31.70250766	36.49944564878304	-11.8794904	252402.25430443633	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	122.63306521767894
102	251	185102	-304281.1413	95.7937	31.70250766	36.49944564878304	-11.8771153	252603.34550173493	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	126.0930241767894
103	251	185103	-303621.1413	95.7937	31.70250766	36.49945627282254	-11.8748156	252804.43645441215	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	127.63306521767894
104	251	185104	-302961.1413	95.7937	31.70250766	36.49952977565913	-11.8724782	253005.5271625689	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	128.63306521767894
105	251	185105	-302031.1413	95.7937	31.70250766	36.499547683101394	-11.8701408	253206.7617626747	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	129.63306521767894
106	251	185106	-301641.1413	95.7937	31.70250766	36.49956831739333	-11.8678034	253407.7074861866	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	130.63306521767894
107	251	185107	-300981.1413	95.7937	31.70250766	36.49958857113422	-11.865466	253608.7982395005	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	131.63306521767894
108	251	185108	-300321.1413	95.7937	31.70250766	36.49960953	-11.8631286	253809.88575578923	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	132.63306521767894
109	251	185109	-299661.1413	95.7937	31.70250766	36.499630522366825	-11.8607912	254010.9770451039	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	133.63306521767894
110	251	185110	-299001.1413	95.7937	31.70250766	36.499650522366825	-11.8584358	254212.06029124697	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	134.63306521767894
111	251	185111	-298341.1413	95.7937	31.70250766	36.4996706696845	-11.8561184	254413.155924421	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	135.63306521767894
112	251	185112	-297681.1413	95.7937	31.70250766	36.499691356586005	-11.853779	254614.2440543839	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	136.63306521767894
113	251	185113	-297021.1413	95.7937	31.70250766	36.49971170102461	-11.8514415	254815.323276945	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	137.63306521767894
114	251	185114	-296361.1413	95.7937	31.70250766	36.49973200312555	-11.8491041	255016.420482034	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	138.63306521767894
115	251	185115	-295701.1413	95.7937	31.70250766	36.49975225444895	-11.8467767	255217.5088815696	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	139.63306521767894
116	251	185116	-295041.1413	95.7937	31.70250766	36.49977245343643	-11.8444293	255418.67956729977	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	140.63306521767894
117	251	185117	-294381.1413	95.7937	31.70250766	36.499792627282254	-11.8421784	255619.7604518593	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	141.63306521767894
118	251	185118	-293721.1413	95.7937	31.70250766	36.49981274569727	-11.8397455	255820.7718026555	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	142.63306521767894
119	251	185119	-293061.1413	95.7937	31.70250766	36.499832819501435	-11.8374171	256021.8589767572	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	143.63306521767894
120	251	185120	-292401.1413	95.7937	31.70250766	36.49985284788477	-11.8350797	256222.945324132	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	144.63306521767894
121	251	185121	-291741.1413	95.7937	31.70250766	36.49987283117166	-11.8327422	256424.0310248248	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	145.63306521767894
122	251	185122	-291081.1413	95.7937	31.70250766	36.49989276919863	-11.8304048	256625.11845236822	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	146.63306521767894
123	251	185123	-290421.1413	95.7937	31.70250766	36.49991266212912	-11.8280674	256826.2065597954	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	147.63306521767894
124	251	185124	-289761.1413	95.7937	31.70250766	36.49993257282254	-11.82573	257027.2904193386	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	148.63306521767894
125	251	185125	-289101.1413	95.7937	31.70250766	36.4999523523697	-11.8233925	257228.3760245948	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	149.63306521767894
126	251	185126	-288441.1413	95.7937	31.70250766	36.4999727007427	-11.8210515	257429.6414259716	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	150.63306521767894
127	251	185127	-287781.1413	95.7937	31.70250766	36.49999178234047	-11.8187177	257630.5466967707	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	151.63306521767894
128	251	185128	-287121.1413	95.7937	31.70250766	36.50001144951546	-11.8163803	257831.6174391344	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	152.63306521767894
129	251	185129	-286461.1413	95.7937	31.70250766	36.50003010715324	-11.8140428	258032.7116388987	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	153.63306521767894
130	251	185130	-285801.1413	95.7937	31.70250766	36.50004927282254	-11.811754	258233.809	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	154.63306521767894
131	251	185131	-285141.1413	95.7937	31.70250766	36.5000680130135	-11.809398	258434.8847518837	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	155.63306521767894
132	251	185132	-284481.1413	95.7937	31.70250766	36.50008697	-11.8070305	258635.9673001116	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	156.63306521767894
133	251	185133	-283821.1413	95.7937	31.70250766	36.50010910812157	-11.8046931	258837.0502103048	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	157.63306521767894
134	251	185134	-283161.1413	95.7937	31.70250766	36.50012850438776	-11.8023557	259038.135862046	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	158.63306521767894
135	251	185135	-282501.1413	95.7937	31.70250766	36.5001478	-11.8000182	259239.2191157906	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	159.63306521767894
136	251	185136	-281841.1413	95.7937	31.70250766	36.50016711468795	-11.7976808	259440.3021171496	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	160.63306521767894
137	251	185137	-281181.1413	95.7937	31.70250766	36.500186427282254	-11.795345	259641.3918701918	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	161.63306521767894
138	251	185138	-280521.1413	95.7937	31.70250766	36.50020564	-11.7930059	259842.4673900968	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	162.63306521767894
139	251	185139	-279861.1413	95.7937	31.70250766	36.5002248045427	-11.7906685	260043.5467460007	3746.164375843206	3546.364129176197	3418.4136697408503	3417.70975641127056	3417.70975641127056	163.63306521767894
140	251	185140	-279201.1413	95.7937	31.70250766	36.5								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.f.t	BRIElevBoth.f.t	SatHtLogs.f.t	SatHtBoth.f.t
21	251	185221	-225741.1413	957397.3170250766	36.50164313609001	-101.589943	276531.5095532073	4375672.082019759	3447.274583989503	3368.788220578576	3246.9514943889182	3255.630242976512	3318.837620695734	131.105779593638
22	251	185222	-225081.1413	957397.3170250766	36.50165858858942	-101.589668	276732.5720661728	4375667.95203015	3445.487155490795	3365.172953862988	3248.1945407659255	3257.1841231707028	317.97841321707028	127.988746800945
22	251	185223	-224821.1413	957397.3170250766	36.50167380555045	-101.589629	276837.5358902046	4375663.90321813	3448.121531849105	3363.537271829693	3251.70349192477	3258.607168611408	321.8330936788987	124.8770385768907
22	251	185224	-223761.1413	957397.3170250766	36.50168926905208	-101.591817	277134.6988341912	4375675.81124147	3450.7995772106	3381.85303634688	3254.4656513901573	3260.461380606417	321.41494227417048	121.412245742314
22	251	185225	-223011.1413	957397.3170250766	36.501704556397314	-101.5896442	277335.7614885767	4375665.725295015	3453.43700093902	3380.2111941122935	3257.36983535854	3262.320188	122.84135675373301	117.8910061483436
22	251	185226	-222441.1413	957397.3170250766	36.50171975888056	-101.5873067	277536.8239236682	4375651.63660141	3456.71428446498	3385.19767838655	3259.527875213568	3263.3854848457936	118.9218625068062	115.1124292086124
22	251	185227	-221781.1413	957397.3170250766	36.501734995624346	-101.5848991	277737.88613967027	4375647.54815803	3461.936653614038	3376.81371381891	3259.498179953845	3262.28720711963	117.313192045815	114.5429431408546
22	251	185228	-221121.1413	957397.3170250766	36.50175014705607	-101.5826316	277938.9843678795	4375643.49928707	3462.013782511938	3375.088049	3256.42845074945	3265.1755510711963	116.1450243331473	116.11452933114125
22	251	185229	-220461.1413	957397.3170250766	36.50176552423305	-101.5802584	278140.009152389	4375639.19181615	3468.11087865883	3373.35219847272	3251.70349192477	3258.607168611408	124.8770385768907	115.1124292086124
23	251	185230	-219801.1413	957397.3170250766	36.50178031580595	-101.577565	278341.0714725015	4375635.284111013	3478.19758072702	3371.60536478929	3244.65331161147	3245.748571172019	122.8574671627508	125.8567476269596
23	251	185231	-219141.1413	957397.3170250766	36.50179533	-101.5757619	278542.13281690585	4375631.196250897	3491.6402173143824	3369.8496134245534	3239.2245025289346	3240.352579038368	120.52385551218403	125.8567476269596
23	251	185232	-218481.1413	957397.3170250766	36.50181030346741	-101.5732814	278743.1934055059	4375627.109145254	3487.4376011797362	3368.086691343698	3234.6571928284196	3235.597403	123.4294964612784	123.48928853959617
23	251	185233	-217821.1413	957397.3170250766	36.50182525295914	-101.5709439	278944.2554463406	4375623.021893079	3483.243985	3366.318283525345	3230.968004224202	3231.753254877027	134.35502372904294	124.35802517621814
23	251	185234	-217161.1413	957397.3170250766	36.501840110550205	-101.5686063	279145.31553440224	4375618.930303466	3479.0323699104844	3364.54594284336	3228.112544429243	3226.675452889338	136.4339845509308	125.8567476269596
23	251	185235	-216501.1413	957397.3170250766	36.501858494634956	-101.5662868	279348.35800518134	4375614.548929016	3467.931082119814	3362.71082178952	3225.977086895276	3228.675422880445	136.79995284002428	136.79995284002428
23	251	185236	-215841.1413	957397.3170250766	36.50187699737117	-101.5638312	279547.4362586435	4375610.17177296	3462.950815127763	3360.940922711553	3224.2727798	3224.2727798764474	136.7221720907131	136.7598455667907
23	251	185237	-215181.1413	957397.3170250766	36.501884848	-101.561387	279748.4962950746	4375606.675468922	3466.9398455023	3359.2174086950548	3222.746051489023	3222.405512	136.4943571525247	136.7221720907131
23	251	185238	-214521.1413	957397.3170250766	36.50189918281903	-101.5592561	279949.55611468025	4375602.589373978	3480.97347138837	3347.43831488194	3221.120692824789	3212.16010800933	132.3268205720493	137.57221480211047
23	251	185239	-213861.1413	957397.3170250766	36.50191387399925	-101.5569186	280150.6517176663	4375598.03492459	3484.56349592788	3355.66972800961	3219.443338926029	3216.7248020251636	136.2263837475217	136.4943571525247
24	251	185240	-213201.1413	957397.3170250766	36.5019284048635	-101.554581	280351.6751042393	4375594.418	3487.72344495873	3353.89846863455	3217.729401216843	3216.729401216843	136.16009744663198	141.10782557436642
24	251	185241	-212541.1413	957397.3170250766	36.501943012895005	-101.5522435	280562.734746032	4375590.323369935	3500.883402022883	3352.1302716588143	3216.193044079126	3216.034922577659	135.9799317968826	143.693940811551
24	251	185242	-211881.1413	957397.3170250766	36.50195753261056	-101.549059	280763.7932289554	4375586.247128358	3504.043053057223	3350.365380048273	3214.219356216904	3204.63005	136.146023875999	145.73472991539302
24	251	185243	-211221.1413	957397.3170250766	36.50197169717117	-101.546784	280968.5519673514	4375582.1217486131	3498.642913101926	3348.259385681362	3212.120692824789	3212.120692824789	135.9799317968826	145.73472991539302
24	251	185244	-210561.1413	957397.3170250766	36.501984634576786	-101.5452038	281155.9104905008	4375578.072785935	3494.857345135286	3346.09653728844	3209.597193331297	3219.63781270506292	137.25056083975453	149.96897330782213
24	251	185245	-209901.1413	957397.3170250766	36.50200082083455	-101.5428933	281356.9688890406	4375573.99282763	3487.6690545094823	3345.095651824779	3207.355452426249	3219.63781270506292	137.25056083975453	149.96897330782213
24	251	185246	-209241.1413	957397.3170250766	36.50201515939016	-101.5405557	281558.026990152	4375569.80294994	3480.4874284257555	3343.3478988925817	3204.306022	3219.63781270506292	137.25056083975453	149.96897330782213
24	251	185247	-208581.1413	957397.3170250766	36.50202945387069	-101.5382182	281759.084687888	4375565.924120585	3479.78293510946	3341.6070834010946	3202.1175622805813	3219.63781270506292	137.25056083975453	149.96897330782213
24	251	185248	-207921.1413	957397.3170250766	36.50204370266124	-101.5358806	281960.1423555817	4375561.704159529	3485.5563641317405	3339.8762653651375	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
24	251	185249	-207261.1413	957397.3170250766	36.50205846786284	-101.533343	282161.1998789692	4375562.854411821	3488.153478198154	3338.153478198154	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185250	-206601.1413	957397.3170250766	36.50207270177117	-101.531205	282367.51274175	4375559.73274175	3485.5563641317405	3337.153478198154	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185251	-205941.1413	957397.3170250766	36.50208617806175	-101.5288679	282563.1432230186	4375554.489495642	3500.511379721256	3334.700132766077	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185252	-205281.1413	957397.3170250766	36.5021024624661	-101.5265304	282764.3107376591	4375545.406	3501.575807402516	3332.02778752985	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185253	-204621.1413	957397.3170250766	36.5021162992566	-101.5241928	282965.4276296453	4375541.32355413	3502.63843464358	3331.330422952047	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185254	-203961.1413	957397.3170250766	36.50212824711067	-101.5218552	283166.4804979394	4375537.241	3503.701061682793	3329.637804084904	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185255	-203301.1413	957397.3170250766	36.50214247109182	-101.5195177	283367.5402	4375533.15804548	3502.704654589167	3328.74563658513	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185256	-202641.1413	957397.3170250766	36.50215697376168	-101.5171801	283568.5519673514	4375529.1217486131	3498.642913101926	3327.153478198154	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185257	-201981.1413	957397.3170250766	36.50216990974218	-101.5148425	283769.5518639398	4375524.90190752	3496.957716884677	3324.962385645962	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185258	-201321.1413	957397.3170250766	36.502183706975345	-101.512505	283970.703903404	4375520.91282164	3493.533301114947	3322.864853884857	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185259	-200661.1413	957397.3170250766	36.50219749505314	-101.5101674	284171.7627041107	4375516.960786199	3491.966722751397	3321.15918684388	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185260	-200001.1413	957397.3170250766	36.50221116597554	-101.5078298	284372.8178056175	4375512.7460577	3491.8789491373	3319.42520578776	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185261	-199341.1413	957397.3170250766	36.5022248	-101.5054923	284573.8726990325	4375513.692607769	3491.7917286248	3317.71218933207	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185262	-198681.1413	957397.3170250766	36.50223841051058	-101.5031547	284774.5732756055	4375504.387	3491.703403500548	3315.961819412008	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185263	-198021.1413	957397.3170250766	36.50225247109182	-101.500811	284975.5518639398	4375500.91282164	3488.153478198154	3314.700132766077	3219.907244218444	3219.907244218444	137.25056083975453	149.96897330782213
25	251	185264	-197361.1413	957397.3170250766	36.50226654211058	-101.4984795	285177.0309277797	4375495.425702684	3485.64353456763	3312.394005739292				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIEvLogsKgr.f	BREIEvBothKgr.f	SatThKlogs.f	SatThBoth.f
342	251	185347	-142581.1413	95.7937	31.70250766	39.503203810582174	-101.3044562	301863.82225157887	4375158.482838992	3302.0184975104507	3900.010510890738	3088.460407490157	30.10276934381851	101.7781638004065
348	251	185348	-141921.1413	95.7937	31.70250766	39.50324054	-101.3021206	302064.8597464318	4375154.420169385	3302.962271366584	3088.016201156228	308.0142712380254	99.76923661456885	101.363313890542447
349	251	185349	-141261.1413	95.7937	31.70250766	39.50325022172256	-101.298793	302289.9677728376	4375150.36717038	3328.90589653899147	3187.323912276388	308.05849894705355	99.42865493705355	100.7634838621188
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352	251	185352	-139281.1413	95.7937	31.70250766	39.50327902477456	-101.2927701	302869.0607079598	4375138.17163247	3317.21538236973	3183.0254979877645	3086.96257230245	308.06578018349097	96.03920475751956
353	251	185353	-138621.1413	95.7937	31.70250766	39.50328853214415	-101.2904324	303070.0429649542	4375134.10043838	3313.473875388446	3181.65175388446	3086.41353992945	308.0637174474624	95.2042138914505
354	251	185354	-137961.1413	95.7937	31.70250766	39.5032799453535	-101.2880948	303271.079289481	4375130.44845081	3308.704287259305	3083.9844931714906	3081.6254979877645	308.0578174474624	95.236681546673
355	251	185355	-137301.1413	95.7937	31.70250766	39.5032811410594	-101.285751	303472.1148011607	4375125.367468291	3306.5689853382	3178.323912276388	3077.81426272838	307.8118232256148	95.254518651492
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361	251	185361	-133341.1413	95.7937	31.70250766	39.50332965460396	-101.2717313	304678.3269912546	4375101.02699987	3272.202598	3170.91655520282	3075.8419951858706	308.0684362772603	94.70222624438748
362	251	185362	-132681.1413	95.7937	31.70250766	39.50337206355006	-101.2693397	304879.369189578	4375097.5618905	3264.05793403935	3169.647593179379	3074.032675476153	306.064714025564	95.60903053176407
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389	251	185389	-114861.1413	95.7937	31.70250766	39.50360097449654	-101.20639	310396.0585585057	4374988.980104292	3306.0524767623514	3134.90317798407	3046.154492152884	306.064714025564	95.60903053176407
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391	251	185391	-113541.1413	95.7937	31.70250766	39.5036163502204	-101.2019261	310910.308076769	4374975.87253751	3304.397688249556	3132.316406231914	3043.48373299033	306.064714025564	95.60903053176407
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393	251	185393	-112221.1413	95.7937	31.70250766	39.50363491748576	-101.1968587	311312.3						

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevKgrg.f	BRiElevBothKgr.f	SatHtboths.f	SatHtBoth.f
473	251	185473	-59421.14133	957397.3170250766	39.50401058625396	-101.0099122	327193.0524136575	4374848.258443751	307.300918282911	307.125883714663	2955.5565236654115	2955.82068723007	51.1693094925137	51.305119499165575
474	251	185474	-58761.14133	957397.3170250766	39.50410561145694	-101.0075745	327394.06681504473	4374644.22491131	307.98058906065	3005.755973	2953.334781452509	2953.746421	50.1011815429103	52.00905208340134
475	251	185475	-58101.14133	957397.3170250766	39.50410561145694	-101.0052689	327595.081048547	4374604.196796921	307.98058906065	3005.755973	2953.334781452509	2953.746421	50.1011815429103	52.00905208340134
476	251	185476	-57441.14133	957397.3170250766	39.50411356238575	-101.0028991	327796.05911377127	4374634.11524458	308.806621793294	3002.999571870843	2941.968543092949	2943.721369283448	61.0320177254556	59.27801257239585
477	251	185477	-56761.14133	957397.3170250766	39.50411747011154	-101.0005614	327997.1900115228	4374632.1159344181	306.130389016307	3001.609890163067	2936.7540429334124	2939.97576824694	64.85864723	61.6341624806774
478	251	185478	-56121.14133	957397.3170250766	39.5041213267821	-100.9982237	328198.1227418075	4374625.803835894	305.45348528218	3000.21904689184	2932.540823655057	2938.056611053493	62.155103104366134	62.155103104366134
479	251	185479	-55461.14133	957397.3170250766	39.5041251008581	-100.995886	328399.136304301	4374625.803835894	305.45348528218	3000.21904689184	2932.540823655057	2938.056611053493	62.155103104366134	62.155103104366134
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481	251	185481	-54141.14133	957397.3170250766	39.50413269423274	-100.9912707	328801.1626298144	4374615.976890935	304.6826279	2998.804753218015	2928.728491505321	2938.74110895489	70.0758362	60.60064923312694
482	251	185482	-53431.14133	957397.3170250766	39.50413633154026	-100.988873	329002.175992382	4374611.943	304.6826279	2998.804753218015	2928.728491505321	2938.74110895489	70.0758362	60.60064923312694
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487	251	185487	-50181.14133	957397.3170250766	39.50415406361851	-100.9771845	330007.2388122676	4374591.774	303.917766234018	2991.605941176297	2910.642584910635	2915.873957572	71.8905735782525	61.7890535782525
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489	251	185489	-48861.14133	957397.3170250766	39.5041604410265	-100.9725091	330409.2627800075	4374583.799	302.941922360629	2985.5966774515	2915.873957572	2915.873957572	71.8905735782525	61.7890535782525
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502	251	185502	-40281.14133	957397.3170250766	39.50420049567373	-100.9421191	333022.4004956863	4374531.30190298	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
503	251	185503	-40061.14133	957397.3170250766	39.504203201244224	-100.9397814	333223.4122727916	4374527.27020993	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
504	251	185504	-39861.14133	957397.3170250766	39.50420590855254	-100.9374437	333424.24172156635	4374523.24248703	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
505	251	185505	-38301.14133	957397.3170250766	39.5042085182142	-100.935106	333625.410397345	4374519.21306244	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
506	251	185506	-37641.14133	957397.3170250766	39.50421114993103	-100.9327678	333826.4013259397	4374515.1937673	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
507	251	185507	-36981.14133	957397.3170250766	39.50421370283194	-100.9304306	334027.44995744	4374511.15448588	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
508	251	185508	-36321.14133	957397.3170250766	39.50421628105165	-100.9280929	334228.4597389164	4374507.12619116	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
509	251	185509	-35661.14133	957397.3170250766	39.504218837304294	-100.9257552	334429.468563525	4374503.107954926	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
510	251	185510	-35001.14133	957397.3170250766	39.5042210077683	-100.9234175	334630.470182171	4374499.09311426	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
511	251	185511	-34341.14133	957397.3170250766	39.50422363000085	-100.9210798	334831.483337391	4374495.84118283	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
512	251	185512	-33681.14133	957397.3170250766	39.504225790244035	-100.9187421	335032.49149610056	4374491.913276308	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
513	251	185513	-33021.14133	957397.3170250766	39.50422812273872	-100.9164044	335233.4994453058	4374487.95585958	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
514	251	185514	-32361.14133	957397.3170250766	39.50423030974693	-100.9140467	335434.5073239146	4374484.95806610	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
515	251	185515	-31701.14133	957397.3170250766	39.50423248105165	-100.9117191	335635.51928562	4374480.95806610	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
516	251	185516	-31041.14133	957397.3170250766	39.50423464726693	-100.909313	335836.5225302326	4374476.97037454	300.85734049478056	2972.4722904707	2929.861421068233	2929.861421068233	56.7022139149437	56.7022139149437
517	251	185517	-30381.14133	957397.3170250766	39.50423674862439	-100.9070356	336037.5288682375	4374						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatElevKgs.ft	SatBothKgs.ft
59	251	185599	23738.8586730335	957397.3170250766	39.50425538258833	-100.715362	325919.61052778305	4374141.39252411	2918.211676785877	2121.136334296565	2743.4697501579453	2741.8533010867458	68.6688411161961	70.28930318281951
600	251	186000	24398.8586730335	957397.3170250766	39.50425537571129	-100.7130243	35270.0053690711	4374141.393190084	2920.3063870837663	2810.504824	2740.40111073807	2736.9015778893584	70.10371317869324	73.60324064841164
601	251	186001	24508.8586730335	957397.3170250766	39.5042553815847	-100.706666	32691.600681686	4374103.374043312	2921.0048459189484	2808.87979	2740.374708894177	2739.2903198319743	71.28029198319743	74.70003118573229
602	251	186002	24602.8586730335	957397.3170250766	39.5042553049716	-100.703489	38017.5946252821	43741.29.365	2924.50180371682	2807.23738442757	2738.059459339837	2731.312976151835	72.13924310290211	75.92044063
603	251	186003	24633.8586730335	957397.3170250766	39.50424852414809	-100.7060112	353323.5890406161	4374121.353680044	2926.0036399106543	2805.5934005094127	2732.6085377063705	2730.937372726099	72.9848628032213	74.6554282333161
604	251	186004	24703.8586730335	957397.3170250766	39.5042469663969	-100.7036735	353524.8353143728	4374121.373653016	2927.088492018337	2803.94902478337	2730.32043207033	2729.8488100587726	73.69629667130366	74.10111479
605	251	186005	24768.8586730335	957397.3170250766	39.5042482397192	-100.7013358	35275.55747466719	4374117.34	2928.11455530646	2802.30273070809	2728.2318629940305	2729.15613114696	74.070573065852	73.14236116339294
606	251	186006	24838.8586730335	957397.3170250766	39.50424290614486	-100.689891	353326.5714379876	437411.314655265	2929.140311128892	2800.6492579108894	2728.3205047211654	2727.8090958267	74.3675318972044	72.9383438
607	251	186007	24901.8586730335	957397.3170250766	39.5042491815847	-100.696964	354127.5652825534	4374109.323891254	2931.2048459189484	2805.940863994545	2728.46875232075	2726.339787856028	74.353571167	72.65122133346586
608	251	186008	24967.8586730335	957397.3170250766	39.5042389501275	-100.6943227	354328.5589777065	4374105.315078071	2934.300437578596	2797.5524907861856	2727.767903781163	2725.189673756245	74.55803740040931	72.11270728
609	251	186009	25038.8586730335	957397.3170250766	39.504236881707726	-100.691985	353525.5525667382	4374101.308	2937.41195252923	2795.655442793308	2721.340205042067	2723.864353089624	73.135373012412	71.79129118970741
610	251	186010	25098.8586730335	957397.3170250766	39.50423476343376	-100.6896473	354730.5459953645	437409.301190901	2941.504574567896	2793.9794817276965	2720.419435571695	2724.554362081729	73.5600462100157	70.4251196969067
611	251	186011	25168.8586730335	957397.3170250766	39.50423232361972	-100.6873096	354931.5392838425	4374093.294	2941.298303471371	2792.29732958266	2719.7515521394134	2723.088205729475	73.65747744232853	69.20912385322117
612	251	186012	25218.8586730335	957397.3170250766	39.504230450836744	-100.6849179	355122.5324324126	437409.287	2939.7604913556793	2790.690203073995	2719.17105997077	2722.351882372546	71.4737603662238	68.2931379104913
613	251	186013	25297.8586730335	957397.3170250766	39.50422821689449	-100.6826342	355333.5324412452	4374095.281	2938.22267986778	2789.9142331388564	2718.734849577981	2722.65095941457	70.17948360687527	66.58824018471008
614	251	186014	25363.8586730335	957397.3170250766	39.50422593779252	-100.6802965	355534.5181050596	4374081.2742085	2938.684965789552	2787.212898931588	2718.185594420956	2722.861777	68.027304894941	64.3512118552995
615	251	186015	25429.8586730335	957397.3170250766	39.50422313530276	-100.6779858	355755.5110405881	4374077.26809773	2938.980348185857	2785.5062504337047	2717.721320645295	2723.528200339376	67.78451837	61.97805035
616	251	186016	25498.8586730335	957397.3170250766	39.50422144111307	-100.6756211	355936.5036314473	437407.26087917	2930.108118756743	2783.749484461883	2717.489600439343	2722.0439342119357	66.4529046024388	59.35650043494752
617	251	186017	25561.8586730335	957397.3170250766	39.50421869532505	-100.6732834	356137.4689343263	4374069.2563019	2926.236383584016	2780.073623906795	2718.585653436055	2718.641816958869	64.5277084604740	56.50949535098989
618	251	186018	25627.8586730335	957397.3170250766	39.50421639973975	-100.6709457	356338.48836726	4374065.25073859	2924.364779850948	2782.5062899465	2715.6473834559997	2726.220537380648	61.714974346517	54.12594513416976
619	251	186019	25698.8586730335	957397.3170250766	39.50421386498981	-100.668608	3565940.87615156	4374061.24537815	2918.9450161075933	2778.6274877569153	2714.7188664821356	2726.09211852495	63.90882172477976	52.53593921950426
620	251	186020	25768.8586730335	957397.3170250766	39.5042113148388	-100.6662703	3568740.4726008217	4374057.240228967	2915.97794672333	2776.862535083642	2713.62102413258	2726.965370955726	62.8393275864248	52.3623475864248
621	251	186021	25838.8586730335	957397.3170250766	39.504209196229	-100.663924	356945.465847474	4374052.3289804	2917.42277989387	2775.151622491873	2713.65248197873	2726.965370955726	62.8393275864248	52.3623475864248
622	251	186022	25918.8586730335	957397.3170250766	39.5042067024627	-100.6615498	357142.4526595857	4374049.230560317	2910.4038004181	2773.40451670143	2710.95466174226	2717.874407145628	62.746549571424	52.5300451389552
623	251	186023	25978.8586730335	957397.3170250766	39.50420383711265	-100.6592572	357343.4479	4374045.22604102	2906.983545187385	2771.8467318584264	2709.546125286668	2713.720351	62.1006065175836	58.37638081363639
624	251	186024	26038.8586730335	957397.3170250766	39.5042006	-100.6569195	357544.43937528436	4374041.21732746	2903.83056738217	2768.782495183064	2708.0712200341804	2710.8473211052637	61.80502494812595	59.02982841304265
625	251	186025	26098.8586730335	957397.3170250766	39.5041978716348	-100.6545818	357745.4037234369	4374037.218	2901.60751673917	2768.0914252730905	2706.6502351800677	2710.491190035172	61.4011900305175	58.50040931891681
626	251	186026	26158.8586730335	957397.3170250766	39.50419506150736	-100.6522441	357946.4213433363	4374033.21746178	2907.523101440004	2766.290928239638	2704.7991052533407	2708.82129468517	61.491822968517	57.46779877111885
627	251	186027	26218.8586730335	957397.3170250766	39.50419281199677	-100.6498964	358147.4130087817	4374029.210682046	2907.42277989387	2765.4728116101303	2708.1856722831413	2708.1856722831413	61.2662631698897	56.28736898285918
628	251	186028	26278.8586730335	957397.3170250766	39.504189289779252	-100.6475687	358348.403538415	4374019.6000402	2903.6751871817	2763.506995071182	2707.193071811596	2722.428784	60.981915550995	56.081915550995
629	251	186029	26338.8586730335	957397.3170250766	39.50418633215076	-100.645231	358549.394754874	4374021.20334051	2903.28642496128	2760.780203158626	2707.4018525298535	2704.4048624151105	60.97315506287309	56.3753041352188
630	251	186030	26418.8586730335	957397.3170250766	39.5041833305091	-100.6428933	358750.3851239343	4374017.2002379	2900.381220974918	2758.904862850429	2706.3181	2702.902320118137	58.8963623660877	55.984327232392
631	251	186031	26488.8586730335	957397.3170250766	39.50418028369704	-100.6405556	358951.3760412969	4374019.14756692	2906.725507880097	2757.009419494097	2699.3763095089794	2701.4803404209213	57.633099	55.529155091175753
632	251	186032	26518.8586730335	957397.3170250766	39.50417719128935	-100.6382179	359126.3664347855	4374009.1942979	2904.661258200017	2755.0049686277575	2698.623111367356	2700.39682227575	57.46750929418664	54.78425842959724
633	251	186033	26578.8586730335	957397.3170250766	39.504174250416	-100.6358802	359353.3568918439	4374005.19241038	2902.592725865932	2753.1598956114948	2697.9731781698937	2699.356218283417	56.42798814130593	53.8034413221788
634	251	186034	26638.8586730335	957397.3170250766	39.5041713215164	-100.633545	359545.3468139774	4374001.19026433	2901.42777989387	2751.028481481122	2698.36974375133	2698.36974375133	56.1515617854859	52.8387211
635	251	186035	26698.8586730335	957397.3170250766	39.5041684469476	-100.6312048	359753.35991	4373997.188210149	2907.10765420032	2749.2431052595	2696.570311425132	2696.570311425132	56.1515617854859	52.8387211
636	251	186036	26758.8586730335	957397.3170250766	39.504165372264626	-100.6288672	359956.326559204	4373993.18462321	2892.300861876046	2747.267331314365	2696.00732125157	2696.9384249209635	56.1515617854859	52.8387211
637	251	186037	26818.8586730335	957397.3170250766	39.5041626540062	-100.6265295	360157.1363696404	4373989.18484738	2897.50097348848	2745.2813465514204	2695.263714777673	2696.21774025765137	54.2098648427279	52.8387211
638	251	186038	26878.8586730335	957397.3170250766	39.50415978157404	-100.6241918	360358.305921037	4373985.18348187	2882.7801112327313	2743.290428925138	2693.894534374143	2693.894534374143	54.2098648427279	52.8387211
639	251	186039	26938.8586730335	957397.3170250766	39.504156832493026	-100.6218541	360559.25940901796	4373981.18232602	2880.78470164428	2741.296882488488	2692.570177688862	2692.570177688862	54.2098648427279	52.8387211
640	251	186040	26998.8586730335	957397.3170250766	39.50415380253502	-100.619164	36070.264	4373977.181380358	2887.10713052679	2739.30420259271	2690.704558727475	2690.704558727475	54.2098648427279	52.8387211
641	251	186041	27058.8586730335	957397.3170250766	39.504150829779252	-100.616824	360893.278904046	4373973.181380358	2887.10713052679	2739.30420259271	2690.704558727475	2690.704558727475	54.2098648427279	52.8387211
642	251	186042	27118.8586730335	957397.3170250766	39.504147832937	-100.6145181	361162.263401608	4373969.18	2883.707	2735.3240818227				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevKgs.f	SatHt.fms	SatHt.fms
75	18725	108878.85867307335	957397.3170250766	39.503692225	-100.4208135	377843.9072462313	4737367.868022327	1968.1958938959567	2518.1738751761745	2518.09076669745935	30.13415189398634	80.2103709527936		
726	251	18726	108758.85867307335	957397.3170250766	39.5036949120007	-100.4184789	378044.884852228	4737363.88111317	2666.300405254364	2596.671400234382	2515.8621737186196	30.15349952048627	80.72744815066347	
727	251	18727	108762.85867307335	957397.3170250766	39.503697329667235	-100.4161381	378245.8649121029	4737363.9024131971	2665.4083780754298	2595.423629833685	2512.76602727395	30.12355041963696	82.0874487088338	
728	251	18728	108788.85867307335	957397.3170250766	39.503670102744147	-100.4130085	378446.8325257806	4737365.919922744	2663.5182004505824	2596.671400234382	2508.650414912928	25.08580506298626	84.75264165765793	84.51781456503175
729	251	18729	108838.85867307335	957397.3170250766	39.50366263	-100.414628	378647.8214711537	47373621.38	2661.628022738103	2591.76090820108	2503.6049605174023	25.0533170379093	85.1753176863837	88.00476712
730	251	18730	109198.85867307335	957397.3170250766	39.50365511284397	-100.4091251	378848.7994604304	4737361.955566906	2590.14281474444	2498.291393479149	2493.758339140693	91.82108212652793	91.6808583375112	
731	251	18731	110858.85867307335	957397.3170250766	39.50364550515789	-100.4067875	379049.77745942556	4737361.937706881	2658.206396408578	2586.465695095669	2493.5086833798173	2493.68014487812	94.78551498	
732	251	18732	11158.85867307335	957397.3170250766	39.503639942313654	-100.4044498	379250.75530753366	4737361.902503644	2667.258675617707	2586.841786892975	2489.785906345547	2489.86067383213	97.0282700547723	96.95311310084929
733	251	18733	112178.85867307335	957397.3170250766	39.50363226931126	-100.4021122	379451.73304056566	4737361.906898156	2668.2065259470378	2585.49173662386	2487.4616884329415	97.5454777425567	92.0874487088338	
734	251	18734	11238.85867307335	957397.3170250766	39.5036259115069	-100.3997745	379652.7106871593	4737362.02537491	2655.27623491759	2583.502201877592	2487.178112357996	92.8737130519515	96.46507135837892	
735	251	18735	113498.85867307335	957397.3170250766	39.50361648731985	-100.3974388	379853.688162077	47373598.0439257	2657.654610913509	2581.8410944554	2489.459092013837	2489.36077674957	92.3817911631705	92.48061667705815
736	251	18736	114158.85867307335	957397.3170250766	39.50360909355517	-100.3950992	380054.6555512335	47373594.067532971	2663.416083	2581.770178076233	2491.2838962024157	2491.036350682535	98.1948273936979	
737	251	18737	114818.85867307335	957397.3170250766	39.50360122572022	-100.3927615	380255.6428620027	47373594.0892524	2668.172405550124	2578.509310037616	2492.626646041623	2492.16214880098	88.892623359931	86.347176531712
738	251	18738	115478.85867307335	957397.3170250766	39.50359335	-100.3904239	380456.619967173	47373586.16528108	2674.930920257864	2576.837062868415	2494.168863112972	2494.11883721679	93.7816969516233	
739	251	18739	116188.85867307335	957397.3170250766	39.503585422976068	-100.3880628	380657.59703358816	47373582.1639511	2677.902083	2575.162635123278	2496.676795996611	2495.57911908218	94.485876026673	79.583621260002
740	251	18740	116798.85867307335	957397.3170250766	39.50357745386901	-100.3857485	380858.57396681746	47373578.14530132	2678.061321130126	2573.486924037643	2487.6999527874538	2489.98193542333	94.76173961620061	83.50275698038104
1	252	18741	379041.1431	958057.3170250766	39.48986517627341	-102.1132552	232296.0100374446	4736778.308	3912.019481585754	3679.55330277449	3610.207233475403	3610.669158690713	69.3406929790632	68.8841448817596
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3	252	18743	369621.1431	958057.3170250766	39.49001584422158	-102.1085806	232688.24381683304	4736770.03254404	3908.806742099067	3677.192634805605	3607.178902	3607.0978401409916	73.3232064468	70.0947948641335
4	252	18744	368961.1431	958057.3170250766	39.49901147047523	-102.1062433	232899.3566166993	4736765.97740683	3905.358204996026	3676.008326824873	3607.3127185537182	3607.2818157466527	68.6942141287699	68.7251169384530
5	252	18745	368301.1431	958057.3170250766	39.4906633158182	-102.10396	233100.475	4736761.76142996	3907.996667902136	3678.451461071653	3607.582700462632	3607.578356354658	67.232706954435072	
6	252	18746	367641.1431	958057.3170250766	39.4909150754135	-102.101987	233301.59065317461	4736757.6254072248	3906.46128682555	3678.631705762395	3607.78197787672	3607.8189717841	65.9614589775674	65.79611440849569
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8	252	18748	366321.1431	958057.3170250766	39.4911472040187	-102.096841	233703.82086715227	4736749.35392151	3886.98063441257	3671.199189052578	3606.792581551855	3605.631365239414	64.0060833520259	64.367823534321
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10	252	18750	365001.1431	958057.3170250766	39.492191759907696	-102.0922194	234106.049665205	4736741.083	3877.318195266581	3665.73045641417	3603.19699998814	3603.12788055184	65.55336456260284	65.6251840322278
11	252	18751	364341.1431	958057.3170250766	39.4921671013111	-102.0898821	234307.1637588602	4736738.34087611	3874.320342056218	3667.519231602945	3600.8145324701713	3600.704991327584	66.704991327584	66.704991327584
12	252	18752	363681.1431	958057.3170250766	39.4924161520716	-102.087548	234508.2775911958	4736732.814	3873.15833877373	3666.2781030336728	3598.284583849225	3598.278170205437	67.99351914802285	68.1493801308404
13	252	18753	363021.1431	958057.3170250766	39.492695675413079	-102.085078	234709.2912531398	4736728.87978419	3871.99673691238	3665.071358910748	3597.88042518738	3597.88042518738	69.7862856963395	69.7862856963395
14	252	18754	362361.1431	958057.3170250766	39.49277126916626	-102.0826702	234910.5044050227	4736724.5430389	3863.773241075824	3663.95190200304	3592.95190200304	3592.95190200304	74.52221041942	74.52221041942
15	252	18755	361701.1431	958057.3170250766	39.493160955058	-102.0805328	235111.6175014454	4736720.10502599	3868.188288111386	3662.598018069793	3590.523120138556	3590.26459988173	71.9866905941477	72.2453271703938
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17	252	18757	360381.1431	958057.3170250766	39.49365546337514	-102.0758582	235513.8422973488	4736712.14289101	3863.425020338587	3659.958817447597	3585.2502292735693	3585.2502292735693	74.70078817402782	74.70078817402782
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21	252	18761	357741.1431	958057.3170250766	39.4954778252085	-102.0665089	236318.2902461668	4736706.61961058	3856.16454895999	3654.7644254491954	3578.644254491954	3578.644254491954	82.09023966777	79.354513761461
22	252	18762	357081.1431	958057.3170250766	39.49548818285182	-102.0647175	236519.40154269048	4736701.478	3858.384981136033	3653.45153903533	3573.471047069807	3573.2039287789894	79.9014692625585	80.2476252170458
23	252	18763	356421.1431	958057.3170250766	39.495512336384	-102.0618342	236720.5123996754	4736706.35223189	3860.270423363084	3652.1923213789054	3571.387224827687	3571.169131979906	80.4209655121831	80.9601839894475
24	252	18764	355761.1431	958057.3170250766	39.4956366460762	-102.0594968	236921.6230857816	4736763.21031625	3860.342593220346	3650.7994840703996	3569.399424233853	3569.240242383114	81.4005464701026	81.557418728552
25	252	18765	355101.1431	958057.3170250766	39.49561277635	-102.0571595	237122.7331122352	4736769.0105228	3868.334729023442	3649.461773693844	3567.451296554118	3567.2624519541988	82.4904924688064	82.19457715756547
26	252	18766	354441.1431	958057.3170250766	39.4956554577147	-102.054827	237323.8436761907	4736764.945939259	3872.36459369248	3648.1160741494	3566.667465532	3567.1995087073089	82.458249376187	80.91626337877434
27	252	18767	353781.1431	958057.3170250766	39.4956977362313	-102.052491	237536.938698977	4736761.74781414	3874.819673863328	3647.071358910748	3565.387421786061	3565.387421786061	84.75264165765793	84.75264165765793
28	252	18768	353121.1431	958057.3170250766	39.4957339653401	-102.0501475	237726.032554895	4736766.84619978	3873.632331423539	3645.9878778315	3562.380909532658	3563.51569540188	85.020351839295	81.89398135425708
29	252	18769	352461.1431	958057.3170250766	39.4958603906604	-102.0478101	237927.1726103507	4736766.555	3872.681874088644	3644.0944220410696	3560.89159	3561.436151762366	85.1753237870357	85.175323

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
111	252	188581	-298341.1413	1958057.3170250766	39.50148373607998	-101.8561427	254417.727272272	4376324.335261199	378.5772995181223	33763.346692881194	3412.354056625165	3407.858074438501	120.956363602892	125.48861854269308
112	252	188582	-297681.1413	1958057.3170250766	39.50150412075246	-101.8538052	254816.3625855134	4376320.419719783	373.4744681236727	3522.275051661305	3410.785465249413	3405.9859866	126.2851956781517	126.2851956781517
113	252	188583	-297021.1413	1958057.3170250766	39.501524465753214	-101.8514871	254819.45455130457	4376316.308087919	378.0086259353337	3524.702995230767	3398.34428613885	3396.514835418157	126.4858734810195	126.4858734810195
114	252	188584	-296361.1413	1958057.3170250766	39.50154475556213	-101.8491303	255020.54260175469	4376313.196	373.541497230629	3530.136826391306	3407.93005460176086	3401.766437672663	122.2062657031058	128.37118259658298
115	252	188585	-295701.1413	1958057.3170250766	39.50156502021926	-101.8467828	255221.6304100477	4376308.083414002	373.932149238942	3526.0896984107375	3405.112636	3399.4435720199022	122.95632327599742	129.6254522117083
116	252	188586	-295041.1413	1958057.3170250766	39.501585229724476	-101.8444553	255422.1717641137	4376303.97089037	373.022096030505	3528.000551270854	3404.2449181579605	3398.0109093188292	123.7563311289352	129.9869414380614
117	252	188587	-294381.1413	1958057.3170250766	39.50160538408704	-101.8421179	255623.805400100878	4376299.58617488	373.042047961759	3526.929382666316	3401.8714857741024	3397.006754203516	125.05844790252915	129.9227623572998
118	252	188588	-293721.1413	1958057.3170250766	39.501625513289156	-101.8397804	255824.8924841256	4376296.748779817	372.810873231683	3525.8545414637138	3404.223987563186	3395.473542074966	125.6160270839514	130.41688725699714
119	252	188589	-293061.1413	1958057.3170250766	39.5016455783861	-101.8374418	256025.87825925242	4376294.834897891	378.0086259353337	3524.702995230767	3398.34428613885	3396.514835418157	126.4858734810195	126.4858734810195
120	252	188590	-292401.1413	1958057.3170250766	39.50166591623386	-101.8351054	256227.9630262513	4376297.83430965	372.594558122887	3522.705339813856	3396.545570108533	3396.94584624969	127.1239579502524	128.7205876141462
121	252	188591	-291741.1413	1958057.3170250766	39.50168559996115	-101.832768	256428.15228641932	4376283.412077831	372.029896862323	3522.544308481473	3394.877638	3397.95175649109	127.66661016568272	129.35232326391
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124	252	188594	-289761.1413	1958057.3170250766	39.5017452803423	-101.8257555	257031.40992245104	4376271.079	371.6848905286467	3518.8161003422114	3388.431752489272	3388.3440327841024	130.3805754494918	130.47304758588384
125	252	188595	-289101.1413	1958057.3170250766	39.50176509340866	-101.8234818	257232.45923026618	4376266.968811257	371.74154183	3517.426089723336	3388.179071757543	3378.2645769767775	131.24162526597914	130.91363213435661
126	252	188596	-288441.1413	1958057.3170250766	39.50178484142529	-101.821006	257433.5804787008	4376262.858307173	371.019671909049	3515.96952646475	3384.1481763016544	3368.689102618985	131.82143663020245	131.82143663020245
127	252	188597	-287781.1413	1958057.3170250766	39.501804545257355	-101.8187431	257634.66539770748	4376258.748647315	371.023042610484	3514.484313391155	3382.336015900906	3379.7506372609713	132.1482974824653	131.78437613070676
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129	252	188599	-286461.1413	1958057.3170250766	39.5018434446451	-101.8140881	258036.83451701622	4376250.528979505	370.94290245012674	3511.4626249646126	3379.9880715458726	3380.903724596897	134.7455341874002	130.55890306771552
130	252	188600	-285801.1413	1958057.3170250766	39.501863421839495	-101.8117306	258237.9187179588	4376246.419553226	370.127846771617	3509.938992	3379.1384280240406	3382.27967676812	130.8006535388795	117.65911749246824
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132	252	188602	-284481.1413	1958057.3170250766	39.50190244113213	-101.8070556	258640.0840352453	4376238.201350999	369.832666765465	3506.8051850135	3377.694457035577	3392.15975433418	129.18068611154723	115.95362617717681
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134	252	188604	-283161.1413	1958057.3170250766	39.50194127196148	-101.8023027	259042.2531353538	4376229.948003598	369.4718423177514	3503.820123585391	3376.064570568024	3396.429145866285	127.7536648585834	117.39097771856586
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136	252	188606	-281841.1413	1958057.3170250766	39.50197953788665	-101.7977057	259444.41891512857	4376221.76193136	369.4077493739938	3500.70780873498	3373.163681078143	3382.886711041197	128.604197566748	117.880468326585
137	252	188607	-281181.1413	1958057.3170250766	39.50199819919395	-101.7953862	259645.5014484961	4376217.65997376	369.326365522167	3499.256489813468	3371.052894243256	3378.566922586808	127.2024916714252	120.6896325458942
138	252	188608	-280521.1413	1958057.3170250766	39.5020184134835	-101.7930307	259846.5837446627	4376213.51889786	369.18432724586	3497.74611802111	3368.90932962726	3378.566922586808	128.8362471708847	122.1569078402177
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140	252	188610	-279201.1413	1958057.3170250766	39.5020571121959819	-101.788357	260248.7330713281	4376205.3731881	368.7450323781238	3494.730328228453	3366.4842838424	3369.881021321482	130.17038905907108	124.8452590071083
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144	252	188614	-276561.1413	1958057.3170250766	39.50213276406598	-101.7790057	261053.192745254364	4376189.91	368.045567307309	3488.771010129964	3355.643846721613	3361.4154009269733	132.71763402202277	127.35560982462661
145	252	188615	-275901.1413	1958057.3170250766	39.50215186415042	-101.7766881	261254.15318527318	4376184.80383852	367.8404941940587	3487.296912864127	3353.713645432448	3362.4897684958958	133.5827441167192	124.7992494808282
146	252	188616	-275241.1413	1958057.3170250766	39.5021709381819	-101.7743499	261459.2359108189	4376179.69754146	367.63529657123277	3485.829474811528	3351.839097040516	3350.816226102967	131.82143663020245	126.4858734810195
147	252	188617	-274581.1413	1958057.3170250766	39.502189986261	-101.7719931	261656.3197026841	4376176.59316884	367.41977358214	3484.36828776085	3349.5703651750453	3352.440022615457	124.34022615457	124.34022615457
148	252	188618	-273921.1413	1958057.3170250766	39.5022080348568	-101.7696556	261857.3936923264	4376172.48602532	367.04276295468	3482.9116690543756	3346.858111423312	3358.66397376932	134.0535763106354	124.2477167744378
149	252	188619	-273261.1413	1958057.3170250766	39.50222681285794	-101.7673181	262058.4733904369	4376168.381252513	366.842593332726	3481.459478017417	3347.524301067118	3358.08021302974	133.93517634357	123.425166769746
150	252	188620	-272601.1413	1958057.3170250766	39.50224584777044	-101.7649806	262259.5528536686	4376164.701671172	366.7106614710897	3480.0117727374713	3346.518984738893	3347.524301067118	133.93517634357	123.425166769746
151	252	188621	-271941.1413	1958057.3170250766	39.5022641164299	-101.7626431	262460.6320821495	4376160.17195308	367.0438276196987	3478.5689858782954	3345.758421598254	3359.1464671534004	132.8105636212802	119.42251611728448
152	252	188622	-271281.1413	1958057.3170250766	39.502283270455716	-101.7603306	262661.7117010944	4376156.0648105	367.0150857981676	3477.131572164412	3345.096386340228	3358.484707438376	132.0330876733876	120.6472643566589
153	252	188623	-270621.1413	1958057.3170250766	39.50230239159819	-101.7580218	262862.81924595856	4376152.09635643	366.784591372689	3475.829474811528	3343.340484917244	3357.035486162307	131.3504466219477	125.6160270839514
154	252	188624	-269961.1413	1958057.3170250766										

ix	ty	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevKgs.ft	SatHtKgs.ft	SatHtKgs.ft
232	252	189977	-215181.1413	950507.3170250766	39.50369873	-101.5616127	27975.5904131448	4737807.948732692	3480.4195206458307	3358.666112682654	3220.1713392733564	3220.4339085379506	328.4947868349096	138.232217503148
238	252	189978	-214521.1413	950507.3170250766	39.50371023692165	-101.5592751	27995.6500048843	4737803.362446875	3484.390473965318	3356.892672258423	3218.523796330738	3218.296576195061	328.3066639507445	138.59995950756125
239	252	189979	-213861.1413	950507.3170250766	39.50381364431653	-101.5491816	28015.7098872103	4737579.78332081	3488.329517833081	3355.122492770075	3216.801584620396	3215.589816237917	328.3359362979437	138.62357638498976
240	252	189980	-213201.1413	950507.3170250766	39.50374126964884	-101.5545499	28035.76854953094	4737576.69045214	3492.3209175043552	3345.54662868015	3215.2781011877748	3215.37672725457	328.3761616802403	141.4490955064917
241	252	189981	-212541.1413	950507.3170250766	39.5037355683	-101.5526262	28056.8274956487	4737571.604782351	3496.287562905515	3351.5924098213024	3213.936738489653	3209.8719660491714	327.6557169713492	143.37725247213096
242	252	189982	-211881.1413	950507.3170250766	39.5037305498141	-101.5499246	28075.8862257325	4737570.15132771	3500.252066767483	3349.833953737315	3212.131310153831	3203.536724	326.2927202452158	146.2972902452158
243	252	189983	-211221.1413	950507.3170250766	39.5037848913535	-101.547587	28098.9847041063	4737573.43088779	3497.820614298315	3348.02298818975	3209.25474832606	3198.55149	328.8254849929152	149.5287617848776
244	252	189984	-210561.1413	950507.3170250766	39.50379925968936	-101.5452494	28116.0033085696	4737574.30497236	3489.009178333616	3346.320297380997	3206.952694403326	3197.687790925823	329.373335347737	149.4541204427627
245	252	189985	-209901.1413	950507.3170250766	39.50381364431653	-101.5429118	28136.1561622217	4737575.354741498	3498.192185742372	3344.589805845555	3204.7348628731465	3194.681292289635	329.8547429964035	150.9214434368157
246	252	189986	-209241.1413	950507.3170250766	39.50382798378015	-101.5405742	28152.1190037225	4737571.716982215	3471.375295951233	3342.852942470166	3201.93921893249	3192.623238	140.91373028376847	150.2296112916055
247	252	189987	-208581.1413	950507.3170250766	39.50384277806759	-101.5382368	281763.1767340584	4737567.052652054	3470.373823365305	341.1230802326586	3199.6426810431344	3192.270104	140.830918952418	148.8529705651885
248	252	189988	-207921.1413	950507.3170250766	39.50385653	-101.5358898	281964.2341802768	4737563.011090339	3477.187972709263	3339.40992440054	3197.383616596077	3191.889725877147	142.02037584397704	146.516226968927
249	252	189989	-207261.1413	950507.3170250766	39.503870172123704	-101.533613	282165.2914059942	4737558.927	3484.002097740953	3337.695387039397	3195.5856551541497	3190.39352490788	142.10937534979008	146.5035323131555
250	252	189990	-206601.1413	950507.3170250766	39.5038849007235	-101.5312227	282366.38441556277	4737554.843	3490.816212415997	3335.995670609044	3193.9316775319326	3191.353640815961	142.06399753731185	144.642032310325
251	252	189991	-205941.1413	950507.3170250766	39.50389890375489	-101.5288861	282567.40521096779	4737570.79955057	3495.210933067393	3334.3041625221235	3192.620133899535	3190.64111889537	141.684034	143.652653326758
252	252	189992	-205281.1413	950507.3170250766	39.50391372228063	-101.5264549	282776.4617924703	4737546.67853708	3497.186253359673	3325.620021131377	3191.7694547014753	3189.0113808739034	140.850474290917	143.6084125747369
253	252	189993	-204621.1413	950507.3170250766	39.50392709565022	-101.5242108	282969.5186220493	4737542.59344273	3498.161782660564	3320.942239	3190.8947967175813	3189.409258965675	140.425793886884	141.5328294108267
254	252	189994	-203961.1413	950507.3170250766	39.50394107386342	-101.5218732	283170.5743145864	4737540.515041443	3501.136894005404	3229.2696157127984	3190.614081	3189.0122085918	138.65534515483	139.7540768336054
255	252	189995	-203301.1413	950507.3170250766	39.50395506092015	-101.5195356	283371.6302553675	4737534.342786305	3506.12899484264	3327.6005942073834	3190.5617296471587	3188.9487943807245	137.038864562022474	137.751798626895
256	252	189996	-202641.1413	950507.3170250766	39.50396884820474	-101.5171798	283572.6859316144	4737535.34539958	3509.3335957008507	3190.75641183367	3190.060004	3185.2579546	136.87359187269803	
257	252	189997	-201981.1413	950507.3170250766	39.50398274	-101.5148604	28373.7414980455	4737526.263149291	3492.146578	3324.26570349553	3189.9894277108	3190.018479893147	133.36872913245452	134.2508243264565
258	252	189998	-201321.1413	950507.3170250766	39.50399653515184	-101.5125227	283793.796002853	4737522.181	3488.155639536777	3322.9318295267	3192.166755	3190.533423209922	130.4264716453726	132.05793203404515
259	252	189999	-200661.1413	950507.3170250766	39.50401059290127	-101.5103161	284175.581889117	4737520.92885871	3493.821522058454	3320.942239	3190.81522058454	3192.475784679	129.404717095128	129.404717095128
260	252	190000	-200001.1413	950507.3170250766	39.50402398455664	-101.5078475	284375.9677305	4737510.417628401	3485.70109	3319.221456196753	3192.520808	3191.238234115505	126.69407592652	127.98382150417065
261	252	190001	-199341.1413	950507.3170250766	39.504037386342	-101.5055098	284577.9614326131	4737514.1683821	3487.14496179173	3317.516983030733	3192.5449319770114	3190.99748831695	126.952051036139	126.913947311855
262	252	190002	-198681.1413	950507.3170250766	39.50405127	-101.5031722	284779.0158860415	4737505.85509804	3487.53891418078	3315.919255320976	3193.78281627413	3191.270827446421	124.52136439046847	124.52136439046847
263	252	190003	-198021.1413	950507.3170250766	39.50406485	-101.5008346	284980.07012779434	4737501.74128563	3486.081484672138	3314.0410371062235	3193.385146008963	3192.08620884291	120.658910983216	121.9550162193206
264	252	190004	-197361.1413	950507.3170250766	39.50407837236742	-101.498497	285181.1241580734	4737567.69372147	3482.726731439016	3312.2678485482154	3193.5968148713824	3190.554187	118.760703543293	121.7134978702519
265	252	190005	-196701.1413	950507.3170250766	39.50409183578768	-101.496159	285393.1277771005	4737563.81829154	3485.97818154843	3310.47011221589	3193.74895125572	3192.055868812812	116.72511708086276	119.4452363231748
266	252	190006	-196041.1413	950507.3170250766	39.5041052902127	-101.4938127	285610.32459958	4737560.53495958	3488.919253495958	3309.25595563006	3192.810248503713	3191.81041225317	116.82911533769892	
267	252	190007	-195381.1413	950507.3170250766	39.504118681390345	-101.4914841	285784.2848821792	4737565.45238804	3475.4056815168906	3306.740260580531	3193.28515	3191.9484353966213	113.651455949412	114.8458213890971
268	252	190008	-194721.1413	950507.3170250766	39.5041302724115	-101.4891464	285985.381668463	4737564.37248064	3472.914957493834	3304.914957493834	3193.283712	3192.927979844317	111.63124551882356	111.94197175969657
269	252	190009	-194061.1413	950507.3170250766	39.50414538275165	-101.4868088	286186.391446574	4737567.293	3479.02583	3303.0105349741716	3191.8255906075315	3192.901917535693	111.849443666041	110.10861722060325
270	252	190010	-193401.1413	950507.3170250766	39.5041585839235	-101.4844711	286387.349104692	47375673.21331595	3480.835904871136	3301.08480534312	3191.063807456898	3192.272421	110.018317986224	108.8104369040422
271	252	190011	-192741.1413	950507.3170250766	39.50417179	-101.4821338	286588.494662324	47375669.13405255	3480.126887389535	3299.142034308706	3191.5091359211016	3193.189532536702	107.84312598686	105.9551105503742
272	252	190012	-192081.1413	950507.3170250766	39.5041849758242	-101.4797858	286798.5488119276	4737565.05512678	3479.18273032547	3297.18273032547	3190.550189483034	3192.474757030895	104.404717095128	104.404717095128
273	252	190013	-191421.1413	950507.3170250766	39.504197868106276	-101.4774582	286998.6004565034	4737566.91671633	3473.6699160260635	3295.29420606305	3192.58817037367	3192.5449288492	105.8988434028985	103.87898312710655
274	252	190014	-190761.1413	950507.3170250766	39.50421116	-101.4751206	287191.652574195	4737566.897544794	3470.440460403549	3293.22760411584	3188.006226362517	3187.8354757760794	105.2658005001324	105.4356505630056
275	252	190015	-190101.1413	950507.3170250766	39.50422148516511	-101.472783	287392.7504591294	4737567.489135568	3467.446792036317	3291.322702	3186.013281623275	3186.08247877345	103.2403055510515	105.2403230090676
276	252	190016	-189441.1413	950507.3170250766	39.50423716993085	-101.4704453	287593.756101402	4737568.741	3464.688159073993	3289.789425056183	3183.667112030636	3183.7805725195736	102.77022245257	105.60281903124269
277	252	190017	-188781.1413	950507.3170250766	39.504250195939626	-101.4681077	287794.8074017567	4737564.663	3461.9295278335003	3287.474178165947	3181.130994647783	3181.218972734583	103.643858881129	106.2550297816115
278	252	190018	-188121.1413	950507.3170250766	39.50426303991314	-101.4657	287995.858493086	4737564.585187875	3458.17089	3285.58555591954	3178.445478966121	3179.4161040648713	102.741766530741	106.16894491832409
279	252	190019	-187461.1413	950507.3170250766	39.50427603992625	-101.4632918	288196.9238194344	4737564.585187875	3455.21899	3282.75414796484	3176.1224130996	3177.4241796484	102.741766530741	106.16894491832409
280	252	190020	-186801.1413	950507.3170250766	39.50428857439233	-101.461047	288397.36005008186	4737564.30289315	3452.385357615	3281.897401781924	3172.882314265648	3174.934965457	100.915329127278	107.46176105204552
281	252	190021	-186141.1413	950507.3170250766	39.50430114604016	-101.4587571	288599.05017							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SatHtElevLog.ft	SatHtBoth.ft
362	252	18603	-132021.1413	950507.3170250766	39.50519398105852	-101.2670677	3268198406716412	4735294.73564881	3263.988544015915	3167.7860226777525	3017.9761515507994	3064.040662044756	85.809871.12695311	103.74358063299638
364	252	18604	-131361.1413	950507.3170250766	39.50522291923207	-101.26473	305285.49437936327	4735290.694201874	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
365	252	18605	-130740.1413	950507.3170250766	39.5052119786298	-101.26323	305486.528529366	4735286.634861107	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
366	252	18606	-130041.1413	950507.3170250766	39.50522087817569	-101.2606545	305687.56206371	4735282.57505371	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
367	252	18607	-129381.1413	950507.3170250766	39.50522953536354	-101.2577168	305888.5954175896	4735278.751118645	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
368	252	18608	-128721.1413	950507.3170250766	39.50523853792725	-101.2553791	306089.6285738575	4735274.45851613	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
369	252	18609	-128061.1413	950507.3170250766	39.50524738862904	-101.2530414	306260.6145249322	4735270.40126229	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
370	252	18610	-127401.1413	950507.3170250766	39.50526610877412	-101.2507307	306481.6943505449	4735266.31498817	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
371	252	18611	-126741.1413	950507.3170250766	39.50527435312641	-101.2483636	306692.7289223466	4735262.263884194	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
372	252	18612	-126081.1413	950507.3170250766	39.505273453119706	-101.2460283	306893.7524489097	4735258.22623048	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
373	252	18613	-125421.1413	950507.3170250766	39.5052805755404	-101.2438906	307046.7915383857	4735254.16822048	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
374	252	18614	-124761.1413	950507.3170250766	39.50529061683361	-101.2413529	307295.6236629175	4735250.111363451	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
375	252	18615	-124101.1413	950507.3170250766	39.50529913094984	-101.2390152	307486.854989884	4735246.05248986	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
376	252	18616	-123441.1413	950507.3170250766	39.50530759990717	-101.2366775	307697.887	4735242.94773091	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
377	252	18617	-122781.1413	950507.3170250766	39.50531602327036	-101.2343398	307889.8186059374	4735237.94066777	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
378	252	18618	-122121.1413	950507.3170250766	39.50532401	-101.23202	308099.9496772811	4735233.88180986	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
379	252	18619	-121461.1413	950507.3170250766	39.50532733582456	-101.2296643	308300.9806808108	4735229.82781654	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
380	252	18620	-120801.1413	950507.3170250766	39.50534102414552	-101.2273266	308502.0118567336	4735225.77164775	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
381	252	18621	-120141.1413	950507.3170250766	39.505349627307395	-101.2248889	308703.0425652547	4735221.716025487	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
382	252	18622	-119481.1413	950507.3170250766	39.505373465310105	-101.2226512	308904.0730635781	4735218.366739864	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
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384	252	18624	-118161.1413	950507.3170250766	39.50537373	-101.2179758	309306.1336584094	4735209.45976276	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
385	252	18625	-117501.1413	950507.3170250766	39.505429251616957	-101.2154477	310120.51368449	4735205.78923616	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
386	252	18626	-116841.1413	950507.3170250766	39.50539805723906	-101.2133003	309708.1933042552	4735201.440161537	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
387	252	18627	-116181.1413	950507.3170250766	39.5053977793623	-101.2109626	309909.2228924577	4735197.385	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
388	252	18628	-115521.1413	950507.3170250766	39.5054057498384	-101.2086249	310110.252949177	4735193.31099972	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
389	252	18629	-114861.1413	950507.3170250766	39.505413586872244	-101.2062872	310311.2851162405	4735189.277	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
390	252	18630	-114201.1413	950507.3170250766	39.50542142360137	-101.2039495	310512.3105427824	4735185.22333399	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
391	252	18631	-113541.1413	950507.3170250766	39.505429251616957	-101.2018177	310713.3398388887	4735181.16931897	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
392	252	18632	-112881.1413	950507.3170250766	39.505431	-101.199274	310914.3680452953	4735177.119527737	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
393	252	18633	-112221.1413	950507.3170250766	39.5054466	-101.1969363	311115.3965249906	4735173.06226617	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
394	252	18634	-111561.1413	950507.3170250766	39.50545318925094	-101.1945896	31136.4248186081	4735169.00944187	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
395	252	18635	-110901.1413	950507.3170250766	39.5054599285773	-101.1922609	311517.4529	4735164.9568417	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
396	252	18636	-110241.1413	950507.3170250766	39.50546749563104	-101.1899322	311718.408446596	4735160.39331496	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
397	252	18637	-109581.1413	950507.3170250766	39.5054705624487	-101.1875854	311919.5806527576	4735156.851491218	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
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399	252	18639	-108261.1413	950507.3170250766	39.50548992195476	-101.18291	312321.563073137	4735148.7247772	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
400	252	18640	-107601.1413	950507.3170250766	39.50549730713056	-101.1805723	312522.5907	4735144.69544582	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
401	252	18641	-106941.1413	950507.3170250766	39.505504674106925	-101.1782345	312723.6176979323	4735140.6387356	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
402	252	18642	-106281.1413	950507.3170250766	39.505511941923885	-101.1758968	312924.6451851323	4735135.562	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
403	252	18643	-105621.1413	950507.3170250766	39.505519158141	-101.1735951	313125.6115621665	4735130.541309525	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
404	252	18644	-104961.1413	950507.3170250766	39.5055236907591	-101.1712214	313326.6911712406	4735126.40035194	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
405	252	18645	-104301.1413	950507.3170250766	39.505525419854	-101.1684477	313527.61368449	4735122.51368449	3268.583288966063	3166.530455894594	3070.3432017528706	306.18414221.175906	96.1869476619749	102.91362347900768
406	252	18646	-103641.1413	950507.3170250766	39.5055406959719	-101.1662549								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
489	252	186229	-48681.14133	950507.3170250766	39.505973971933828	-100.9725134	303413.3006135566	4374784.9344777285	305057400726242	2914.0507974131788	2915.7227044354454	2917.148018535726	2918.928997773338	66.9027784875287
490	252	186230	-48201.14133	950507.3170250766	39.5059704006006	-100.9701757	330614.3121727854	4374790.50171722	3044.48539434178	2921.07427281637	2922.147415	2923.147415	61.4103657211144	60.3378981052763
491	252	186231	-47841.14133	950507.3170250766	39.505969031562771	-100.9638114	330201.3881259655	4374747.686919818	3047.889691896328	2920.86370235727	2926.6614817025743	2927.517544533625	2928.19193898936	53.31416332825903
492	252	186232	-46881.14133	950507.3170250766	39.5059355	-100.9655002	330116.3346623887	4374772.836975045	3050.314257460378	2979.236168538526	2971.786217180853	2932.4807792096927	2922.45376299635	54.1923302315994
493	252	186233	-46221.14133	950507.3170250766	39.505969673134575	-100.9631624	331217.3456829373	4374768.8046072765	3055.723623248923	2977.526190343205	2934.813491701968	2935.3185243866028	2927.1268834123723	42.2076656718486
494	252	186234	-45561.14133	950507.3170250766	39.50598987144677	-100.9608246	331418.3545393854	4374763.72928628	3075.736423424286	2933.510071116642	2933.690659199402	2924.2264036764408	42.0457642248796	40.57642248796
495	252	186235	-44901.14133	950507.3170250766	39.50599297	-100.9584889	331619.3672318387	4374760.74126143	3059.84877855737	2973.860160380791	2928.986313675955	2928.6372901323331	45.206462657085267	40.57642248796
496	252	186236	-44241.14133	950507.3170250766	39.50596062	-100.9561481	331820.377760525	4374756.709806021	3971.906877041487	2923.818720815667	2923.810209240426	48.0900490926644	48.0900490926644	55.1768626459575
497	252	186237	-43581.14133	950507.3170250766	39.5059902078759	-100.9538114	332021.3881259655	4374752.87852047	3047.889691896328	2920.86370235727	2926.6614817025743	2927.517544533625	2928.19193898936	53.31416332825903
498	252	186238	-42921.14133	950507.3170250766	39.50597196024714	-100.9514736	332222.388274555	4374744.67529618	3080.9010590959	2967.840837190118	2915.82760213944	2913.945800394502	25.586079822717	53.895036257651515
499	252	186239	-42261.14133	950507.3170250766	39.5060048454629	-100.9491389	332423.4038610284	4374746.61708722	3089.106748874324	2965.759834207	2911.937209076916	2912.861536177389	53.895036257651515	55.1768626459575
500	252	186240	-41601.14133	950507.3170250766	39.5060077638506	-100.9467891	332624.4182418122	4374740.58609953	3077.406390125294	2963.647584187875	2907.06962061673	2907.633371378637	54.6785198170784	56.0147168029305
501	252	186241	-40941.14133	950507.3170250766	39.5060105876344	-100.944604	332825.4279547813	4374736.3556	3077.371109763146	2961.5216080232	2906.166479018919	2905.149214251308	56.37217834238	56.37217834238
502	252	186242	-40281.14133	950507.3170250766	39.50601336648278	-100.9421226	333026.4376051642	4374732.5251313	3068.056294015228	2959.383043162246	2903.5071638015114	2902.920405121354	55.875879354713106	56.0147168029305
503	252	186243	-39621.14133	950507.3170250766	39.50601610014035	-100.9397489	333227.4468929505	4374728.59538311	3068.056294015228	2959.383043162246	2903.5071638015114	2902.920405121354	55.875879354713106	56.0147168029305
504	252	186244	-38961.14133	950507.3170250766	39.50601878863749	-100.9374471	333428.4562193123	4374724.405774593	3068.45392852135	2955.08304508591	2906.8106868809	2901.195338687047	56.727205285305	53.895036257651515
505	252	186245	-38301.14133	950507.3170250766	39.50602143197421	-100.9351093	333629.46528342064	4374720.436	3070.27747335854	2952.942541423094	2906.7109312317953	2901.454652997104	56.231610191296296	51.87488849
506	252	186246	-37641.14133	950507.3170250766	39.5060230015054	-100.9327716	333830.4741852445	4374716.40882699	3070.27747335854	2952.942541423094	2906.7109312317953	2901.454652997104	56.231610191296296	51.87488849
507	252	186247	-36981.14133	950507.3170250766	39.50602658316284	-100.9304338	334031.48292673053	4374712.3773772	3072.7853427466802	2948.701562950166	2902.9842356315007	2902.9842356315007	55.7191296597658	51.0229445238984
508	252	186248	-36321.14133	950507.3170250766	39.50602900121694	-100.9280961	334232.4915063431	4374708.34836304	3072.2480411565226	2946.633422143304	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
509	252	186249	-35661.14133	950507.3170250766	39.50603155371692	-100.9257583	334433.4999248692	4374704.32013028	3071.7377566355	2944.622174	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
510	252	186250	-35001.14133	950507.3170250766	39.5060337125152	-100.9234206	334634.50081625132	4374700.29163711	3071.227439762083	2943.71470820634	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
511	252	186251	-34341.14133	950507.3170250766	39.5060359632566	-100.9211718	334835.5168719475	4374696.268939313	3048.88498191538	2942.86319854583	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
512	252	186252	-33681.14133	950507.3170250766	39.5060387083937	-100.918745	335036.5215977911	4374692.25208045	3056.13169094928	2939.108748213886	2903.148677112513	2903.0900422167073	55.695916878561	56.0997240648132
513	252	186253	-33021.14133	950507.3170250766	39.5060405829624	-100.9164073	335237.5129921243	4374688.20420543	3052.87071249069	2937.071249069	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
514	252	186254	-32361.14133	950507.3170250766	39.50604318975814	-100.9140695	335438.5396838343	4374684.17971644	3050.473561193911	2935.038762369134	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
515	252	186255	-31701.14133	950507.3170250766	39.50604583151775	-100.9117318	335639.5470647038	4374680.15234146	3048.01387546434	2934.477113736966	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
516	252	186256	-31041.14133	950507.3170250766	39.50604728089624	-100.909394	335840.5543613724	4374676.12510398	3048.951168415797	2933.074392166573	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
517	252	186257	-30381.14133	950507.3170250766	39.5060496950107	-100.907181	336041.5618719475	4374672.268939313	3048.88498191538	2942.86319854583	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
518	252	186258	-29721.14133	950507.3170250766	39.5060516857519	-100.904718	336242.564675888	4374668.0728957	3047.9218757089	2941.67341156446	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
519	252	186259	-29061.14133	950507.3170250766	39.50605396842415	-100.9023007	336433.575295549	4374664.04469772	3051.802921070684	2929.010656982802	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
520	252	186260	-28401.14133	950507.3170250766	39.50605566277376	-100.900043	336644.5815955678	4374660.01837319	3052.87071249069	2927.9057785075	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
521	252	186261	-27741.14133	950507.3170250766	39.50605758354186	-100.8977052	336845.5884571888	4374655.992148055	3053.836623714543	2926.510569745633	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
522	252	186262	-27081.14133	950507.3170250766	39.5060594915086	-100.8953675	337046.594800231	4374651.96919111	3054.853477605284	2925.201367150408	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
523	252	186263	-26421.14133	950507.3170250766	39.5060612995958	-100.8930297	337247.600851862	4374647.340498136	3054.853477605284	2925.201367150408	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
524	252	186264	-25761.14133	950507.3170250766	39.5060631493064	-100.8906919	337448.6068719475	4374643.01492025	3055.82398852676	2922.86122170657	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
525	252	186265	-25101.14133	950507.3170250766	39.506064682	-100.8883452	337649.618281131	4374639.889542725	3051.13339759128	2921.4233978795	2901.105951758928	2901.79937159589637	55.727205285305	51.87488849
526	252	186266	-24441.14133	950507.3170250766	39.5060665096193	-100.8860164	337850.618952607	4374635.66471556	3049.403096	2920.14675050491	2900.228459529752	2900.228459529752	55.727205285305	51.87488849
527	252	186267	-23781.14133	950507.3170250766	39.50606859788434	-100.8836787	338051.62414672045	4374631.84	3048.95749748281	2918.8657472021805	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
528	252	186268	-23121.14133	950507.3170250766	39.50606974443445	-100.8813409	338252.6296343844	4374627.81480093	3047.924874748281	2900.95256076533	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
529	252	186269	-22461.14133	950507.3170250766	39.50607173239195	-100.8790031	338453.647835815	4374623.790401285	3047.924874748281	2900.95256076533	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
530	252	186270	-21801.14133	950507.3170250766	39.50607268244004	-100.8769654	338654.639667507	4374619.76133747	3047.924874748281	2900.95256076533	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
531	252	186271	-21141.14133	950507.3170250766	39.50607368244004	-100.874918	338855.639667507	4374615.71433747	3047.924874748281	2900.95256076533	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
532	252	186272	-20481.14133	950507.3170250766	39.50607517341332	-100.872864	339056.639667507	4374611.71433747	3047.924874748281	2900.95256076533	2900.85600570413	2901.864244259441	58.009746513919	56.9233024273961
533	252	186273	-19821.14133	950507.3170250766	39.506076110256726	-100.8696251	339257.6541776877	4374607.61						

ix	iy	ic35	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	Sat33LogsKrg.ft	Sat5BothKrg.ft
615	252	186355	34298.8586730335	Y.950507	31.70250766	-39.50603649407151	-0.07795858	355739.52098112156	4374278.4746726025	2932.5640087246916	2718.61954	2712.300097315052	69.03332319515721	64.55196609391487
616	252	186356	34958.8586730335	Y.950507	31.70250766	-39.506034212450535	-0.0767618	355940.5132876583	4374274.485842049	2928.3866274217837	2718.61959773369	2712.0232643112473	67.81239191635362	62.1261334212165
617	252	186357	35678.8586730335	Y.950507	31.70250766	-39.50603717094914	-0.0763833	356141.505813352394	4374270.48362394	2924.231067119673	2718.61959773369	2712.1213078308356	68.69882379033598	59.32172270883256
618	252	186358	36428.8586730335	Y.950507	31.70250766	-39.50602925	-0.0760425	356342.4976103323	4374266.459612604	2924.789966271656	2718.61959773369	2712.042167679486	65.73806879027552	57.6877772325369
619	252	186359	36938.8586730335	Y.950507	31.70250766	-39.50602674518503	-0.06686047	356543.4896638267	4374262.451413615	2926.7354765108438	2719.01638208507	2712.0476379390925	64.964000269414264	56.13624420772305
620	252	186360	37598.8586730335	Y.950507	31.70250766	-39.5060219506322	-0.066257	356744.7813970426	4374261.45112125	2914.3061155494306	2717.285209187705	2712.066231718558	64.2730209683424	54.2738209683424
621	252	186361	38258.8586730335	Y.950507	31.70250766	-39.506021599779196	-0.0663292	356945.473056184	4374254.441047092	2911.879655188443	2717.5585217229513	2712.06548680429	63.2641650192685	51.32606490412266
622	252	186362	38918.8586730335	Y.950507	31.70250766	-39.50601895933563	-0.0615915	357146.4645954602	4374251.364179541	2909.4478752176813	2717.66739292638	2711.165228568108	63.15594324	49.6589998044184
623	252	186363	39578.8586730335	Y.950507	31.70250766	-39.506015273781674	-0.0659257	357347.4559970724	4374246.451524456	2907.0418391781973	2717.078831904286	2712.068671216935	63.0704701	51.21015278857839
624	252	186364	40238.8586730335	Y.950507	31.70250766	-39.50601352967295	-0.0656918	357548.4472617259	4374242.427075823	2904.6066211891	2717.021049536074	2717.0044713236014	62.549753200595	46.5249758245464
625	252	186365	40898.8586730335	Y.950507	31.70250766	-39.506017040251	-0.0654782	357749.4384	4374238.42236935	2902.7839071844	2716.843878767054	2712.058930070436	62.74930780209536	63.8041479511534
626	252	186366	41558.8586730335	Y.950507	31.70250766	-39.50601704595735	-0.0652204	357950.4293779893	4374234.4181387	2899.856892197	2716.7591530317927	2712.0593703	62.765450476192555	62.362592419255
627	252	186367	42218.8586730335	Y.950507	31.70250766	-39.50600571971179	-0.06499027	358151.4202310063	4374230.414989564	2896.85456132764	2716.7591530317927	2712.0593703	62.76545047619255	62.362592419255
628	252	186368	42878.8586730335	Y.950507	31.70250766	-39.50600216830581	-0.0647569	358352.41047384	4374226.411393658	2901.763942091467	2716.7591530317927	2712.0593703	62.76545047619255	62.362592419255
629	252	186369	43538.8586730335	Y.950507	31.70250766	-39.50599921	-0.06452272	358553.4015273412	4374222.40799916	2903.802786127285	2716.7207346170378	2712.05833276335	62.76545047619255	62.362592419255
630	252	186370	44198.8586730335	Y.950507	31.70250766	-39.50599621100128	-0.0642884	358754.3920709825	4374218.40481304	2905.841576511703	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
631	252	186371	44858.8586730335	Y.950507	31.70250766	-39.505993816312416	-0.0640517	358955.3823768877	4374214.41038981	2905.87080476692	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
632	252	186372	45518.8586730335	Y.950507	31.70250766	-39.50599007	-0.06382139	359156.372505583	4374210.43903964	2903.802786127285	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
633	252	186373	46178.8586730335	Y.950507	31.70250766	-39.505986388686	-0.0635872	359357.3625867236	4374206.397	2901.9104480254	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
634	252	186374	46838.8586730335	Y.950507	31.70250766	-39.50598375	-0.06335384	359558.3524877546	4374202.384180544	2899.93032174486	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
635	252	186375	47498.8586730335	Y.950507	31.70250766	-39.50598052397156	-0.06312007	359759.3423	4374198.39204832	2898.562818824394	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
636	252	186376	48158.8586730335	Y.950507	31.70250766	-39.5059771252329	-0.0628829	359959.331884408	4374194.390126445	2894.793272283506	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
637	252	186377	48818.8586730335	Y.950507	31.70250766	-39.50597396924	-0.0626439	360159.328495164	4374190.383511772	2891.0416859717147	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
638	252	186378	49478.8586730335	Y.950507	31.70250766	-39.50597070425494	-0.0624184	360362.30174137695	4374186.38691374	2887.299431477193	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
639	252	186379	50138.8586730335	Y.950507	31.70250766	-39.50596716225474	-0.06218496	360563.299683239	4374182.38652281	2885.86868741731	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
640	252	186380	50798.8586730335	Y.950507	31.70250766	-39.50596370892457	-0.06195119	360764.2890611119	4374178.3845258	2881.9162032391	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
641	252	186381	51458.8586730335	Y.950507	31.70250766	-39.50596021043412	-0.06171741	360965.2807199297	4374174.38367181	2883.245673988247	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
642	252	186382	52118.8586730335	Y.950507	31.70250766	-39.50595666733154	-0.06148384	361166.2644498845	4374170.383012021	2884.5750677443316	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
643	252	186383	52778.8586730335	Y.950507	31.70250766	-39.50595307797228	-0.06124936	361367.2555364936	4374166.38265335	2884.793272283506	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
644	252	186384	53438.8586730335	Y.950507	31.70250766	-39.50594944020924	-0.06101689	361568.244094516	4374162.3829241	2884.793272283506	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
645	252	186385	54098.8586730335	Y.950507	31.70250766	-39.5059457466931	-0.06078231	361769.2325196625	4374158.38237482	2882.85209287627	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
646	252	186386	54758.8586730335	Y.950507	31.70250766	-39.50594204057741	-0.06054854	361970.2208117384	4374154.38247489	2881.8901821357	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
647	252	186387	55418.8586730335	Y.950507	31.70250766	-39.50593872112523	-0.06031476	362171.2089710814	4374150.38266264	2879.06115646206	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
648	252	186388	56078.8586730335	Y.950507	31.70250766	-39.50593446	-0.06008099	362372.19697893	4374146.38467181	2874.177097517447	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
649	252	186389	56738.8586730335	Y.950507	31.70250766	-39.50593097741102	-0.05984721	362573.18489239435	4374142.384297414	2868.340076801912	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
650	252	186390	57398.8586730335	Y.950507	31.70250766	-39.505927190718	-0.0596134	362774.172547378	4374138.383511772	2864.793272283506	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
651	252	186391	58058.8586730335	Y.950507	31.70250766	-39.50592374174042	-0.0593796	362975.108525425	4374134.38350409	2861.981889895	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
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653	252	186393	59378.8586730335	Y.950507	31.70250766	-39.5059147604702	-0.05891211	363377.1351512695	4374126.39671081	2856.891745714748	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
654	252	186394	60038.8586730335	Y.950507	31.70250766	-39.505910620473216	-0.05867834	363578.122873398	4374122.391492078	2854.86622674173	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
655	252	186395	60698.8586730335	Y.950507	31.70250766	-39.50590694973918	-0.0584456	363779.1094921216	4374118.39365121	2853.018367319555	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
656	252	186396	61358.8586730335	Y.950507	31.70250766	-39.50590321384495	-0.05821079	363980.0964611824	4374114.39548335	2851.52696300527	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
657	252	186397	62018.8586730335	Y.950507	31.70250766	-39.50589954909524	-0.0579764	364181.083391707	4374110.39728924	2849.6416859717147	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
658	252	186398	62678.8586730335	Y.950507	31.70250766	-39.50589582575903	-0.05774234	364382.07022284	4374106.410405235	2848.54470531339	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
659	252	186399	63338.8586730335	Y.950507	31.70250766	-39.5058921501116	-0.05750946	364583.056646187	4374102.40359893	2846.704511	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255
660	252	186400	63998.8586730335	Y.950507	31.70250766	-39.50588851586621	-0.05727569	364784.0430573784	4374098.4027805	2844.705510651146	2715.979371122614	2712.05833276335	62.76545047619255	62.362592419255

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKgr.f	BREIEvBothKgr.f	SurfAtHLo32.f	SurfBoth.f
1	253	186481	-370941.1413	958717.3170250766	39.50077788	-102.113288	232300.1584442237	4379769.637088455	3909.349027419815	3678.2881173399865	3608.8099769777227	3609.3258310102806	3608.478103626373	68.96228632970588	
2	253	186482	-370281.1413	958717.3170250766	39.50080323385399	-102.109508	222901.27469130524	4379765.499620401	3911.888478144042	3677.10474540295	3607.2748605596565	3607.859563786169	69.52898517896409	69.24520895476053	
3	253	186483	-369661.1413	958717.3170250766	39.50083945856143	-102.1086132	232702.39681718576	4379761.362811859	3911.64651872822	3676.9178191485167	3607.0152810270678	3606.909584698334	68.90352711	68.92713287968338	
4	253	186484	-368961.1413	958717.3170250766	39.50085318236324	-102.106759	230053.5063907013	4376967.262176825	3907.72558543569	3674.72731483571	3607.012101009259	3606.926513256489	67.715213623112	67.8017017608182	
5	253	186485	-368301.1413	958717.3170250766	39.50087903	-102.1039385	233104.62184217048	4376963.09637291	3902.440641899845	3673.5331642103056	3607.639154906979	3607.5720047703736	68.8940033032668	65.9611590326794	
6	253	186486	-367641.1413	958717.3170250766	39.50090241119573	-102.1016011	233305.7370268744	4376963.93133252	3908.153365251007	3672.332199005604	3608.401981372009	3608.365069798765	68.3123382589662	63.1777013272891	
7	253	186487	-366981.1413	958717.3170250766	39.50092338	-102.0992638	233506.85195822777	4376954.127204702	3893.7054171099923	3671.1262814028867	3608.7021147898963	3608.704383191403	62.42146812972385	62.42146812972385	
8	253	186488	-366321.1413	958717.3170250766	39.500945428962096	-102.0969264	233707.9666117984	4376950.881	3889.102991261404	3669.91231415249	3607.956153126618	3607.956153265356	61.6191088883066	61.6191088883066	
9	253	186489	-365661.1413	958717.3170250766	39.500979470122715	-102.094949	233809.6610084013	4376946.546	3884.498408125265	3668.9178191389337	3606.18912583628	3606.18912583628	62.5221456564110735	62.5221456564110735	
10	253	186490	-365001.1413	958717.3170250766	39.50100447	-102.092216	234110.15813805292	4376942.410171898	3879.839038249396	3667.463093185266	3605.652302219334	3603.547491738818	63.80073291713242	63.80073291713242	
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13	253	186493	-363021.1413	958717.3170250766	39.501079183280446	-102.0852395	234713.53085913164	4376930.05078235	3668.2911865544982	3663.7349582248225	3595.1008688952555	3594.902718036707	68.83224018805186	68.83224018805186	
14	253	186494	-362361.1413	958717.3170250766	39.5011030926589	-102.0829021	234914.642093589	4376925.870497992	3664.5710151203853	3662.4773791689518	3592.3115414052917	3592.0864295545484	70.1658376736601	70.1658376736601	
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16	253	186496	-361041.1413	958717.3170250766	39.50115349	-102.0782274	235316.76140981659	4376917.101102523	3658.89660474549	3659.93168826897	3586.91724935471	3586.7003761410036	70.0210194911898	72.2331311589812	
17	253	186497	-360381.1413	958717.3170250766	39.50117817460023	-102.07589	235517.8668687862	4376914.467969463	3656.353761382979	3658.6682364097517	3584.286120854313	3584.1551155542035	74.50310566901327	74.50310566901327	
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19	253	186499	-359061.1413	958717.3170250766	39.5012273885546	-102.0712152	235920.2104817903	4376905.20070575	3652.007351004016	3656.073831195232	3579.383912313985	3579.347027878762	76.68991888124674	76.76257831646894	
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28	253	186508	-353121.1413	958717.3170250766	39.50144667391073	-102.0501786	237730.2046327961	4376868.00890478	3668.839311693014	3644.1023285844	3562.6449869575445	3562.833052513974	81.45401760713958	81.21920083118701	
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32	253	186512	-350481.1413	958717.3170250766	39.50154286576304	-102.040829	238534.63891173674	4376850.19681076	3668.04586550545	3638.6297761934275	3557.155407809492	3557.155407809492	81.4736910985562	84.497650290708	
33	253	186513	-349821.1413	958717.3170250766	39.50156981351546	-102.0384916	238735.7479334148	4376847.353993778	3666.112815682514	3637.248165708806	3555.01711869372	3545.351977966334	82.231047048851	91.8961874725272	
34	253	186514	-349161.1413	958717.3170250766	39.50159082578704	-102.0361542	238936.85579628017	4376843.223770078	3664.179765113865	3635.881199242346	3552.49313946883	3543.998094177154	83.367272962396	91.8630150669198	
35	253	186515	-348501.1413	958717.3170250766	39.50161483930526	-102.0338168	239137.963400537	4376839.9532037	3661.816602181251	3634.49808623495	3549.860592536358	3548.97910796796	84.879103671375	88.973405968988	
36	253	186516	-347841.1413	958717.3170250766	39.50163851520972	-102.031478	239339.0707463402	4376834.96376059	3659.47406212556	3634.744101897176	3548.744101897176	3548.744101897176	85.107287385492	85.107287385492	
37	253	186517	-347181.1413	958717.3170250766	39.5016622913965	-102.0291418	239540.1778340512	4376830.43115323	3656.23004836856	3631.673951564122	3541.889692407206	3541.758829088338	85.722522025148	89.9150748628827	
38	253	186518	-346521.1413	958717.3170250766	39.50168604203454	-102.026805	239741.28463727	4376826.70486162	3653.436770899234	3630.271777629662	3537.620756328638	3537.973904002634	86.92510153460248	92.2789789031285	
39	253	186519	-345861.1413	958717.3170250766	39.50170971070654	-102.0244671	239942.3921235173	4376821.54560545	3651.58335820391	3628.8679502131245	3533.17184864034	3534.145310410648	86.9560158268051	92.25789811	
40	253	186520	-345201.1413	958717.3170250766	39.50173382258036	-102.0221297	240143.4974592923	4376818.4464378	3650.70305844873	3627.462304490254	3528.9929557452992	3524.3084580485155	86.94894874872613	92.271040087025	
41	253	186521	-344541.1413	958717.3170250766	39.50175694845574	-102.0197922	240344.6036860242	4376814.17776745	3648.8717618195555	3626.054132019225	3526.773427026532	3526.832083085761	90.202940053903	99.9712068426128	
42	253	186522	-343881.1413	958717.3170250766	39.50178048938125	-102.017458	240545.7094063453	4376810.19810607	3648.9130631259273	3624.64783073911	3524.015377805636	3525.762377064867	90.54365361705	97.3725570332539	
43	253	186523	-343221.1413	958717.3170250766	39.50180496148483	-102.0151068	240746.82921963	4376806.937329093	3648.9130631259273	3624.64783073911	3524.015377805636	3525.762377064867	90.54365361705	97.3725570332539	
44	253	186524	-342561.1413	958717.3170250766	39.50182746699304	-102.012748	240947.9023255092	4376803.53210839							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgr.ft	SatHBoth.ft
127	253	186607	-287781.1413	958717.3170250766	39.5036137254262	-01.8187685	75683.78497900095	4376460.486559799	3710.357827076879	315.2039309027331	3382.5501452096382	3391.0890925499575	120.65919517769256
128	253	186608	-287121.1413	958717.3170250766	39.50363699572719	-01.8164309	757139.86885333864	4376455.93473721	3707.451161788697	317.3722605782	3380.973715635207	3396.946305380665	120.7599403705749
129	253	186609	-286461.1413	958717.3170250766	39.5036616755284	-01.8140494	758400.95314732814	4376451.74246424	3704.554040178228	315.204040178228	3379.8110501374606	3383.946978985887	120.81011099833268
130	253	186610	-285801.1413	958717.3170250766	39.503676196635745	-01.8117558	758242.0371235786	4376457.63544373	3701.63918148251	3508.75737933044	3378.71339794561	3396.35037067425	120.0403097547425
131	253	186611	-285141.1413	958717.3170250766	39.50369572935961	-01.8094183	758443.1208604913	4376463.60763226	3699.7031256524162	3507.249755739507	3377.39814835316	3396.6517554466238	120.5103370204358
132	253	186612	-284481.1413	958717.3170250766	39.50371521692396	-01.8078087	758644.20435877208	4376439.498275619	3685.732192514957	3505.74162151101	3376.756195	3394.0495388174563	120.4816616626708
133	253	186613	-283821.1413	958717.3170250766	39.5037346693446	-01.8047432	758845.28761862908	4376435.389	3697.771332739597	3504.23143798518	3375.732400546183	3390.6420134719425	120.3590272235305
134	253	186614	-283161.1413	958717.3170250766	39.50375406660527	-01.8024056	758945.28060472656	4376431.280464189	3696.805436276438	3502.720857830678	3374.5521859704713	3387.5259752991548	120.1668718622008
135	253	186615	-282501.1413	958717.3170250766	39.50377340671841	-01.8006861	759047.45374629832	4376427.171880362	3695.4213811849268	3501.211611388214	3373.8110501374606	3383.946978985887	120.011099833268
136	253	186616	-281841.1413	958717.3170250766	39.50379271567371	-01.7977705	759248.5359697101	4376423.06351104	3694.1792046495435	3499.704411965516	3371.43372440404	3383.19648038934	120.7801978824716
137	253	186617	-281181.1413	958717.3170250766	39.50381197745195	-01.795393	759449.61877922792	4376418.953554149	3692.9170718746186	3498.204083	3369.4523260261048	3387.202812870593	120.1020026077063
138	253	186618	-280521.1413	958717.3170250766	39.50383119412283	-01.7930554	759650.70084474853	4376414.87416299	3691.554831025937	3496.70330187072	3367.1947572628505	3375.005171767945	121.7051584191272
139	253	186619	-279861.1413	958717.3170250766	39.503850365616564	-01.7907179	760051.78218238067	4376410.739690734	3690.016525224061	3495.2716960261145	3365.79274942815	3372.75361	120.42948018610257
140	253	186620	-279201.1413	958717.3170250766	39.50386949195637	-01.7883803	760252.86377902963	4376406.632179175	3688.502101341194	3494.266765375003	3363.587421655316	3369.9695247040834	120.336159984342
141	253	186621	-278541.1413	958717.3170250766	39.50388857314219	-01.7860427	760463.94513890014	4376402.54883241	3686.3421363745906	3492.242363703454	3361.4739965241713	3367.42743524980413	120.76836506957207
142	253	186622	-277881.1413	958717.3170250766	39.50390764712824	-01.7837362	760655.0266220076	4376398.417801299	3684.872253574892	3490.763822894212	3359.3516714773405	3365.701894516596	120.4111961168717
143	253	186623	-277221.1413	958717.3170250766	39.50392600055178	-01.7813676	760856.1071401347	4376394.310338884	3682.943828744844	3489.289197374642	3357.0871096	3363.587484649633	120.2708574332164
144	253	186624	-276561.1413	958717.3170250766	39.50394545677546	-01.7790301	761057.18779990084	4376389.20420898	3680.017665271867	3487.281714329236	3355.140597988513	3361.9055446046962	120.6805734037236
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146	253	186626	-275241.1413	958717.3170250766	39.503983363176045	-01.7743549	761459.34839380128	4376381.99167128	3674.686497839691	3484.000947976924	3351.2936745236116	3361.74805773591	120.3672302465763
147	253	186627	-274581.1413	958717.3170250766	39.50400211202169	-01.7720174	761680.428337327	4376377.885093498	3673.02364290272	3483.484818748027	3349.7555176991896	3360.698875520508	120.6927841821671
148	253	186628	-273921.1413	958717.3170250766	39.504020877128674	-01.7696798	761881.50804552328	4376373.719914454	3672.3635170224475	3481.9968771814812	3348.6359203577767	3359.945824382614	120.353618265445
149	253	186629	-273261.1413	958717.3170250766	39.504039678595324	-01.76735316	762089.59594974677	4376369.45255332	3671.722111442428	3480.933811345426	3347.2858742634842	3358.1291442898948	120.9432307130334
150	253	186630	-272601.1413	958717.3170250766	39.504058271978656	-01.7650046	762263.6657567226	4376365.56968115	3670.4125652365906	3479.112569357173	3346.1473697490406	3340.1203936091	120.9651992155201
151	253	186631	-271941.1413	958717.3170250766	39.50407691253966	-01.7626671	762464.75670414164	4376361.464	3670.5824102360696	3477.651507171229	3345.2264868857087	3356.58400626116	120.4420023101255
152	253	186632	-271281.1413	958717.3170250766	39.50409548601369	-01.7603295	762665.8245	4376357.358779647	3670.320826527398	3476.2431986045776	3344.377135	3356.8321704053364	120.31866038447763
153	253	186633	-270621.1413	958717.3170250766	39.50411402534902	-01.7579919	762866.90303634663	4376353.25405709	3670.054926299696	3474.618360170669	3343.4443988606396	3356.474024353164	120.7134214900296
154	253	186634	-269961.1413	958717.3170250766	39.50413252	-01.7556543	763067.98136414425	4376349.14584993	3669.797868605134	3473.397252174014	3342.644748	3356.9792904	120.7520456555382
155	253	186635	-269301.1413	958717.3170250766	39.504150976856324	-01.7533168	763289.59594974677	4376345.45255332	3668.222301301598	3472.2858742634842	3341.7536343528384	3356.351161779	120.93545856948972
156	253	186636	-268641.1413	958717.3170250766	39.50416937428284	-01.7509752	763470.1271635985	4376340.72426418	3667.033826811183	3470.933826811183	3470.933826811183	3470.933826811183	120.9127124845477
157	253	186637	-267981.1413	958717.3170250766	39.50418773114558	-01.7486416	763671.214863094	4376338.83711292	3666.493682874844	3470.250189350637	3340.117619052324	3358.21555394131	120.9970209833015
158	253	186638	-267321.1413	958717.3170250766	39.50420647403854	-01.746304	763872.292229241	4376332.73360092	3666.624436804151	3467.8333680412	3339.284791673255	3359.562730675719	120.55304711308626
159	253	186639	-266661.1413	958717.3170250766	39.50422431	-01.7439664	764073.369623249	4376328.630224291	3664.74496420799	3466.47153879503	3338.486803719974	3361.202301837144	120.9847051952909
160	253	186640	-266001.1413	958717.3170250766	39.50424253637904	-01.7416289	764274.46436248815	4376324.52701302	3661.85543773428	3461.85543773428	3337.7794004037482	3362.9083608981194	120.73238079001073
161	253	186641	-265341.1413	958717.3170250766	39.50426077147784	-01.7392913	764475.5230300423	4376320.41899119	3659.953771268957	3463.762547744845	3335.101024769252	3365.300861819276	120.6152609252225
162	253	186642	-264681.1413	958717.3170250766	39.50427847421912	-01.7369537	764676.5949514294	4376318.120112136	3658.752374479855	3462.41976135496	3334.654927143524	3363.92912170334	120.5820261143524
163	253	186643	-264021.1413	958717.3170250766	39.50429695321123	-01.7346161	764877.6756679936	4376312.82892111	3658.05893556152	3461.085675719557	3333.623118682007	3362.157276220155	120.89484888989459
164	253	186644	-263361.1413	958717.3170250766	39.504314977485745	-01.7322785	765078.751638023	4376308.116	3656.01439445622	3459.760716512533	3333.07526	3361.717296805275	120.685466889724
165	253	186645	-262701.1413	958717.3170250766	39.504332973254266	-01.7299409	765279.82377774487	4376304.014019915	3654.904302307603	3458.447374876824	3333.7650486250416	3373.773218212353	120.419523647709
166	253	186646	-262041.1413	958717.3170250766	39.50435092765008	-01.7276033	765480.9028851172	4376299.91718326	3654.904701210663	3457.373226628057	3331.8051231346544	3378.27135691702	120.585195219627
167	253	186647	-261381.1413	958717.3170250766	39.50436838482025	-01.7252657	765688.9781610317	4376295.814052908	3654.4429129470643	3455.8381474215184	3329.823001632171	3367.96867708884	120.015457880478
168	253	186648	-260721.1413	958717.3170250766	39.5043867	-01.7229282	765883.0520573074	4376291.708946248	3653.5840602603526	3453.5490254075023	3328.0421445777038	3365.300861819276	120.6152609252225
169	253	186649	-260061.1413	958717.3170250766	39.504405113695256	-01.7205945	766084.1281941624	4376287.614052908	3652.752374479855	3452.41976135496	3327.8161868	3363.92912170334	120.5820261143524
170	253	186650	-259401.1413	958717.3170250766	39.5044228540031	-01.718253	766285.208629201	4376282.11892911	3652.0616241151993	3341.623612338235	3325.35870205689	335.767017319577	120.4110403051022
171	253	186651	-258741.1413	958717.3170250766	39.50444001	-01.7159154	766486.276854667	4376279.495721043	3652.76714906367	3450.742026878781	3321.3597248620474	3328.81805707598087	120.3882379963734
172	253	186652	-258081.1413	958717.3170250766	39.50445769334524	-01.7135778	766687.3510764466	4376275.305	3652.08497599573	3449.409093890434	3309.334932497744	3323.269159	120.41506131169943
173	253	186653	-257421.1413	958717.3170250766	39.50447533	-01.7112402	766888.4296813665	4376271.20426805	3651.9111108529	3448.24751658297	3307.138475282875	3307.138475282875	120.1971637542027
174	253	186654	-256761.1413	958717.3170250766	39.50449320668004	-01.7089026	767089.4986299437	4376267.104					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtBothKrg.ft
253	253	186733	-204621.1413	958717.3172025076	35.50673992341754	-101.5242289	278379.608916355	4375943.863517376	3958.684713008555	330.5334012494436	3188.654283766296	3187.223725917579	314.871861245314773
254	253	186734	-203691.1413	958717.3172025076	35.50675319359957	-101.5218912	283174.6648464913	4375939.704164111	3496.572762581065	3328.862341	3188.572682272782	3186.732585044946	314.310512
255	253	186735	-203301.1413	958717.3172025076	35.506876784	-101.5198358	283576.726653042	4375916.69291367	3452.553353090252	3327.264809495925	3188.9769918251007	3187.25549112831532	318.25549112831532
256	253	186736	-202641.1413	958717.3172025076	35.506781723660796	-101.5171259	283765.7706664915	4375913.614855452	3326.626539149552	3325.584111706115	3189.5062293731776	3187.9166018044196	318.0878179743397
257	253	186737	-201981.1413	958717.3172025076	35.506795566759964	-101.5148782	283777.8313571007	4375923.532396525	3487.699744537334	3323.951567	3190.0889391028977	3188.082357805838	318.8662657262607
258	253	186738	-201321.1413	958717.3172025076	35.50580936470146	-101.5125405	283978.88643839	4375920.54193676	3487.729451364131	3322.5065274855174	3191.179923388807	3188.7864577795017	314.137040690714
259	253	186739	-200661.1413	958717.3172025076	35.5058231748527	-101.5102028	284179.9430018534	4375919.386116787	3480.747305833858	3320.653038718905	3191.8441288418526	3189.9882608016126	318.6064873899379
260	253	186740	-200001.1413	958717.3172025076	35.5058368251137	-101.5078651	284380.9565524263	4375915.282629781	3481.9900678755015	3312.3147670525445	3189.427409	3187.73030929259562	318.73030929259562
261	253	186741	-199341.1413	958717.3172025076	35.50585046787972	-101.5058274	284582.7904143021	4375912.696349298	3482.49874074078	3311.212569487146	3189.6211786317018	3188.9769918251007	318.73030929259562
262	253	186742	-198681.1413	958717.3172025076	35.50586414090228	-101.5031897	284783.1046233894	4375917.123300935	3483.74422513747	3315.615279756046	3193.114325936073	3187.979646	318.73030929259562
263	253	186743	-198021.1413	958717.3172025076	35.5058777704305	-101.5008521	284984.15864078305	4375903.02122878	3482.508797264337	3313.89130042183025	3193.2858583677715	3187.716023183049	318.605716746419
264	253	186744	-197361.1413	958717.3172025076	35.50589120403815	-101.4985144	285185.12462476324	4375898.961158477	3479.90186231047	3312.1414305860353	3193.597999	3188.9481407132866	318.54534317173536
265	253	186745	-196701.1413	958717.3172025076	35.505909469	-101.4961767	285386.2660414893	4375894.80046768	3477.2948426256655	3310.3622507298747	3193.847952619694	3190.1490660381266	318.5142981102083
266	253	186746	-196041.1413	958717.3172025076	35.50591812255435	-101.493839	285587.31942516385	4375890.79870055	3474.687940202666	3308.505635553665	3193.592519550808	3193.7116525731163	318.5142981102083
267	253	186747	-195381.1413	958717.3172025076	35.50593151407566	-101.4915013	285788.7325979599	4375886.72	3474.11896424363	3308.705251116071	3193.259968	3193.9312847824547	318.5142981102083
268	253	186748	-194721.1413	958717.3172025076	35.50594486043061	-101.4891638	285989.425501679	4375882.63436926	3475.587029	3304.82534393746	3193.204041142656	3193.1240945434533	318.5142981102083
269	253	186749	-194061.1413	958717.3172025076	35.50595816144449	-101.4868259	286190.4703119456	4375878.55905167	3477.0553639813854	3302.913227567603	3191.5331300014454	3192.51702261843	318.5142981102083
270	253	186750	-193401.1413	958717.3172025076	35.50597141769194	-101.4844882	286391.5308534792	4375874.74957682	3478.32569881917	3300.973654605916	3192.24486079137	3190.6731592025128	318.5142981102083
271	253	186751	-192741.1413	958717.3172025076	35.50598462858141	-101.4821505	286592.58318499115	4375870.40038417	3478.074598540747	3299.01721415059	3190.6458740861704	3193.4250419686515	318.5142981102083
272	253	186752	-192081.1413	958717.3172025076	35.505997974312854	-101.4798128	286793.6330668005	4375866.20132172	3478.1283331269814	3297.034116121	3189.428098141263	3190.14563547222	318.5142981102083
273	253	186753	-191421.1413	958717.3172025076	35.50601901488621	-101.4774751	286984.6821772795	4375862.24090558	3473.341527713135	3288.481998442424	3187.979175045027	3188.32650444934	318.5142981102083
274	253	186754	-190761.1413	958717.3172025076	35.50602396031575	-101.4751374	287195.73892145447	4375862.31621952	3474.6914297393915	3293.61177895276	3188.593854306764	3187.7101848327	318.5142981102083
275	253	186755	-190101.1413	958717.3172025076	35.5060320350961	-101.4724096	287400.1409897357	4375861.082437204	3475.61516720022	3297.67042777803	3188.49411714267	3187.5454984173	318.5142981102083
276	253	186756	-189441.1413	958717.3172025076	35.5060500555779	-101.470462	287597.841692943	4375850.00524339	3465.50248823783	3289.11777977423	3182.60696533349	3183.684244	318.5142981102083
277	253	186757	-188781.1413	958717.3172025076	35.50606294558868	-101.4681243	287789.8927751342	4375845.82057813	3462.672998896796	3287.165901186804	3180.37071672248	3181.4634119796	318.5142981102083
278	253	186758	-188121.1413	958717.3172025076	35.50607584038142	-101.4657866	287999.9434252667	4375841.850028185	3459.825407405682	3285.24337610946	3177.9938104019825	3180.0716681192	318.5142981102083
279	253	186759	-187461.1413	958717.3172025076	35.50608980005946	-101.4634489	288200.9940310056	4375837.77221815	3457.661243895877	3283.3501367538875	3175.654657225806	3177.580591408232	318.5142981102083
280	253	186760	-186801.1413	958717.3172025076	35.50610149447222	-101.461112	288402.0447515846	4375833.69473131	3456.180234041571	3281.48927	3173.036241351968	3175.571932559857	318.5142981102083
281	253	186761	-186141.1413	958717.3172025076	35.50611425378026	-101.4587738	288603.9449494854	4375831.71440302	3454.691486242375	3279.67042777803	3188.49411714267	3187.5454984173	318.5142981102083
282	253	186762	-185481.1413	958717.3172025076	35.50612693671944	-101.456359	288804.1542050945	4375825.540319776	3453.8121825351575	3277.847739427135	3177.935164776817	3187.213208453170	318.5142981102083
283	253	186763	-184821.1413	958717.3172025076	35.50613692925161	-101.4540081	289005.194856359	4375821.463412727	3450.655929139554	3276.129204090107	3184.467884820428	3186.7862766273274	318.5142981102083
284	253	186764	-184161.1413	958717.3172025076	35.50616356270454	-101.4517604	289206.24447631807	4375817.38671914	3447.012573627401	3274.4173761225707	3181.0204323478656	3185.16049686762	318.5142981102083
285	253	186765	-183501.1413	958717.3172025076	35.506164839429424	-101.4494227	289407.2938913384	4375813.01230918	3443.3692235140474	3272.7793349731578	3181.37300524039	3181.3883439843694	318.5142981102083
286	253	186766	-182841.1413	958717.3172025076	35.506177372945835	-101.447085	289608.343090515	4375807.39273247	3438.235870194483	3271.088345159448	3154.767385	316.3209058267625	318.5142981102083
287	253	186767	-182181.1413	958717.3172025076	35.5061898813050745	-101.4444743	289808.39209416846	4375805.157919121	3437.4966846276947	3269.465555	3151.490633471736	3158.624707532315	318.5142981102083
288	253	186768	-181521.1413	958717.3172025076	35.5062023450961	-101.4424096	289910.1409897357	4375801.082437204	3436.61516720022	3297.67042777803	3188.49411714267	3187.5454984173	318.5142981102083
289	253	186769	-180861.1413	958717.3172025076	35.50621470255704	-101.4400719	290121.4895730483	4375804.46054945	3435.8162650939296	3266.29673478255	3156.2672944958267	3187.575827433885	318.5142981102083
290	253	186770	-180201.1413	958717.3172025076	35.5062270554337	-101.4377341	290412.5375932478	4375792.931038002	3434.981513286356	3264.742819661575	3154.5585427515084	3156.2672944958267	318.5142981102083
291	253	186771	-179541.1413	958717.3172025076	35.506239633157005	-101.4353964	290613.5861275394	4375788.85583474	3433.77917222939	3263.207118042336	3141.71001365694	3154.89580304703	318.5142981102083
292	253	186772	-178881.1413	958717.3172025076	35.50625162573123	-101.4330587	290814.6340961314	4375784.78052357	3431.005761817447	3261.68717680122	3140.610421371345	3154.397178702633	318.5142981102083
293	253	186773	-178221.1413	958717.3172025076	35.50626383413028	-101.430721	291015.61859822597	4375780.70679634	3428.753683466627	3259.434519346247	3154.79543262427	3154.79543262427	318.5142981102083
294	253	186774	-177561.1413	958717.3172025076	35.50627601537879	-101.4283833	291216.7294173043	4375776.61520298	3426.261461004743	3258.65520327278	3158.961365156043	3148.7288789667431	318.5142981102083
295	253	186775	-176901.1413	958717.3172025076	35.506289460671944	-101.425927	291428.8963967854	4375772.981718353	3425.1998811875497	3257.67042777803	3158.961365156043	3148.7288789667431	318.5142981102083
296	253	186776	-176241.1413	958717.3172025076	35.50630022440054	-101.4237079	291618.823176047	4375768.40347172	3424.712892	3256.75049688271	3154.397178702633	3154.79543262427	318.5142981102083
297	253	186777	-175581.1413	958717.3172025076	35.506312261172766	-101.4213702	291819.8706077814	4375764.409122563	3423.471228696524	3254.257616081258	3158.961365156043	3148.7288789667431	318.5142981102083
298	253	186778	-174921.1413	958717.3172025076	35.5063245278681	-101.4190324	292020.9175994865	4375760.3541674	3422.22956554129	3252.881178392383	3158.961365156043	3148.7288789667431	318.5142981102083
299	253	186779	-174261.1413	958717.3172025076	35.50633819924216	-101.4169847	292221.961343326	4375756.261924214	3421.34038992749	3251.36090266737	3158.961365156043	3148.7288789667431	318.5142981102083
300	253	186780	-173601.1413	958717.3172025076	35.50634810503881	-101.414357							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogsKt	BRELEVBothKt	SatThKtLog	SatThBoth
329	253	188859	-112461.1413	958717.3170250766	39.50714559967514	-101.229675	308305.0435024095	475431.073082613	3298.9867654131876	314.4710059739955	305.40453223731235	305.1651651999909	304.0707377	95.75840774034623
330	253	188860	-120801.1413	958717.3170250766	39.50715388920526	-101.2273733	308506.0714877056	475427.016845405	3301.0600150227257	314.67.1739043129555	305.404087501079592	305.170356450914	92.1682233	94.05555786204171
331	253	188861	-120141.1413	958717.3170250766	39.50710643456982	-101.2249696	308707.10465890396	475422.960830986	3303.1536918210237	314.44.9404909722254	305.4552978180046	305.061821456835	91.3873333138633	92.47818333138633
332	253	188862	-119481.1413	958717.3170250766	39.507170329795005	-101.2226617	308908.13485770134	475425.80500900985	305.206514	314.73.12222493474	305.418089096835243	305.1306927106673	92.06295154271493	92.40629514237435
333	253	188863	-118821.1413	958717.3170250766	39.50717848248877	-101.220324	309109.1656087161	475414.84949097	3305.2920331321865	314.42.489713533324	305.416425908862874	305.0444598841732	90.84712263506741	92.04511459173182
334	253	188864	-118161.1413	958717.3170250766	39.50716659074133	-101.2179862	309310.19499282346	475410.740320306	3303.38981202031314	314.41.26968758693595	305.4044890907063	304.94567286394193	90.0281160460923	91.70240076
335	253	188865	-117501.1413	958717.3170250766	39.507194653473555	-101.2156484	309511.2247355734	475406.7388497269	3301.48759391422594	314.40.05204478247	304.94.1484720741532	304.8508837153819	90.040383367148	91.54367869400587
336	253	188866	-116841.1413	958717.3170250766	39.5072027104543	-101.2133106	309712.25428150058	475397.883888608	3298.585755802654	313.83.4594626466	304.811919211541595	304.7571730936963	90.7182675274564	91.0847233239993
337	253	188867	-116181.1413	958717.3170250766	39.50721043456982	-101.2109729	309913.26365450396	475392.826083098	3298.0535691626413	313.81.021561222981	304.8207894131283	304.675046499904	90.5968270985245	91.75354562
338	253	188868	-115521.1413	958717.3170250766	39.50721857070805	-101.208351	310114.3129253383	475393.542601319	3299.903556076396	313.68.4177030647824	304.65.022339423891	304.1476762003897	90.2710268436957	90.2710268436957
339	253	188869	-114861.1413	958717.3170250766	39.50722645279877	-101.2062973	310315.3418189537	475390.5752041135	3300.7497486900905	313.57.4253034335	304.55.258249319842	304.5045930302846	89.9572037712562	89.7530111960868
340	253	188870	-114201.1413	958717.3170250766	39.507234289729084	-101.203695	310516.7036267256	475378.38646	3301.559641843815	313.34.08378200516	304.6094797254677	304.7332915602274	89.3988848	89.2570866402846
341	253	188871	-113541.1413	958717.3170250766	39.50724084149898	-101.2016218	310717.3992491595	475378.42227648	3301.821806902151	313.32.804358475939	304.41833448701401	304.481295252026	88.26210100013807	88.2259586273627
342	253	188872	-112881.1413	958717.3170250766	39.50724982180414	-101.199284	310918.427666401	475378.35887325	3301.42734413992	313.31.60089646157	304.40.23113277207	304.43135254077	87.3974736684971	86.6872140007982
343	253	188873	-112221.1413	958717.3170250766	39.50725752955473	-101.1969682	311119.45589384323	475373.305114612	3301.0328817347999	313.30.3966616649083	304.44.481610486633	304.44.629500219637	85.93250061624303	85.56776134294265
344	253	188874	-111561.1413	958717.3170250766	39.5072619	-101.1946084	311320.4840064673	475370.251854847	3300.6384186007454	312.9.190267242084	304.5.105030638963	304.5.020293303045	84.0852366534211	83.58731402040394
345	253	188875	-110901.1413	958717.3170250766	39.50727279697396	-101.1922707	311521.511889624	475366.198908508	3298.6412361306628	312.77.72864384307	304.22.55674058325	304.02.867373784524	85.4718967784702	84.8607861066456
346	253	188876	-110241.1413	958717.3170250766	39.50728036291449	-101.1899329	311722.5396845395	475363.1490272908	3295.041313957623	312.6.1145943692927	303.75.0256052163	303.48.05781884054	85.56233300712956	87.70881248524029
347	253	188877	-109581.1413	958717.3170250766	39.507287883748496	-101.187951	311923.5671031765	475358.093349629	3291.441718745882	312.4.01567726186	303.3.403816	304.774047899207	81.09325158744605	89.7911982697908
348	253	188878	-108921.1413	958717.3170250766	39.5072953939498	-101.1852573	312124.5943400207	475354.040038193	3287.84152961154	312.2.8003287503304	302.98.0239076043	302.94.00178052031	80.4001519826973	80.4001519826973
349	253	188879	-108261.1413	958717.3170250766	39.5073027988093	-101.1829195	312325.62181133	475349.98872597	3286.0845204548531	312.1.281919289714	302.7.1800773158907	303.1.1269714158907	80.1514613328167	80.1514613328167
400	253	188880	-107601.1413	958717.3170250766	39.507310571250632	-101.1805818	312526.4584477963	475345.96577649	3286.1704461610414	311.91.675311620491	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
401	253	188881	-106961.1413	958717.3170250766	39.5073183373711	-101.1784528	313183.8321699224	475341.8259412426	3285.253717579	311.81.075847182083	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
402	253	188882	-106281.1413	958717.3170250766	39.50732481037537	-101.1759062	312526.7910224308	475337.834260415	3286.32452258826	311.67.47001258545	302.7.1800773158907	303.1.1269714158907	80.1514613328167	80.1514613328167
403	253	188883	-105621.1413	958717.3170250766	39.50733260021889	-101.1735684	313129.72833684785	475333.708709826	3285.709675726974	311.81.9725441408527	303.1.1269714158907	303.73.7197799636	80.7419016200223	88.9373024088279
404	253	188884	-104961.1413	958717.3170250766	39.50733926	-101.1712306	313330.754658598	475329.73004327	3284.358608342316	311.7.2763293912744	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
405	253	188885	-104301.1413	958717.3170250766	39.507346424424384	-101.1688928	313531.7806178926	475325.800602235	3283.07540034566	311.68.0329147638	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
406	253	188886	-103641.1413	958717.3170250766	39.5073533878613	-101.166551	313732.8064839156	475321.629312644	3281.6564726590404	311.68.0329147638	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
407	253	188887	-102981.1413	958717.3170250766	39.50736067897195	-101.1642178	313933.8321699224	475317.31579	3280.647692010515	311.68.0329147638	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
408	253	188888	-102321.1413	958717.3170250766	39.50737053276784	-101.1619779	314134.3617307226	475313.984581126	3279.940569114017	311.68.0329147638	302.8.739321658499	303.73.7197799636	80.7419016200223	88.9373024088279
409	253	188889	-101661.1413	958717.3170250766	39.5073841671090737	-101.1595417	314335.8829954816	475309.47485782	3269.3142548123194	310.5.289767952327	311.7.13902653984	305.019777112878	84.15186463134296	90.19205017
410	253	188890	-101001.1413	958717.3170250766	39.507381544626426	-101.1572039	314536.3801346663	475305.428599107	3268.31471122816	310.3.68074	300.9.4006783521777	302.8.739321658499	84.15186463134296	90.19205017
411	253	188891	-100341.1413	958717.3170250766	39.50738843318476	-101.1548661	314737.933035203	475301.378951889	3260.11206400549	310.2.064214682818	300.8.7429652095877	302.8.739321658499	84.15186463134296	90.19205017
412	253	188892	-99681.1413	958717.3170250766	39.50739527658235	-101.1525284	314938.95778135686	475297.33	3255.707371964837	310.0.4413882080704	300.6.083820604707	300.6.083820604707	84.15186463134296	90.19205017
413	253	188893	-99021.1413	958717.3170250766	39.507402074871922	-101.1501916	315139.862488381	475293.260294794	3254.33423698396	309.8.51987330057	300.4.487260435617	300.4.487260435617	84.15186463134296	90.19205017
414	253	188894	-98361.1413	958717.3170250766	39.507409820769336	-101.1478528	315340.682917941	475289.231284903	3246.89815502046	309.7.139121628046	300.4.487260435617	300.4.487260435617	84.15186463134296	90.19205017
415	253	188895	-97701.1413	958717.3170250766	39.50741553810751	-101.145515	315542.03112080425	475285.148540411	3243.047510118692	309.5.5542313414343	300.1.093136417584	300.3.668286779923	84.15186463134296	90.19205017
416	253	188896	-97041.1413	958717.3170250766	39.50742219856861	-101.1431772	315743.05527654407	475281.134	3236.74893073582	309.2.90195565027	309.8.51987330057	300.4.487260435617	84.15186463134296	90.19205017
417	253	188897	-96381.1413	958717.3170250766	39.50742816162374	-101.1408394	315944.07915236487	475277.0855277395	3236.4503683406822	309.2.90195565027	309.8.51987330057	300.4.487260435617	84.15186463134296	90.19205017
418	253	188898	-95721.1413	958717.3170250766	39.50743538859539	-101.138016	316145.1028484014	475273.307367507	3230.5117702833617	309.0.64270099924	299.6.532553203661	299.6.532553203661	84.15186463134296	90.19205017
419	253	188899	-95061.1413	958717.3170250766	39.50744191586755	-101.1361638	316346.12638456453	475268.989419693	3220.5453715267145	308.9.955303969804	299.5.1527175254796	299.5.1527175254796	84.15186463134296	90.19205017
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422	253	188902	-93081.1413	958717.3170250766	39.50746212681912	-101.1291055	316948.195837919	475257.81840411	3221.6168329226	308.5.1527175254796	299.5.1			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElev.Kg.f	BRiElev.Both.Kg.f	SatH.Kg.f	SatH.Both.f
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523	253	18703	-26421.14133	958717.3170250766	35.07873471257334	-100.893032	33725.6134285968	4374849.160913041	3068.663917811527	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
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526	253	18706	-24441.14133	958717.3170250766	35.07876932671301	-100.8860186	33785.64564096359	4374837.04849648	3068.99727009112	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
527	253	18707	-23781.14133	958717.3170250766	35.0787808821384	-100.8836928	33805.64839819658	4374833.059411271	3069.10832495982534	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
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533	253	18713	-19821.14133	958717.3170250766	35.0788496883175	-100.8695828	33925.6823819856	4374808.931926291	3069.7750227394257	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
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538	253	18718	-16521.14133	958717.3170250766	35.07890621018602	-100.8579648	34025.702223902	4374788.75077022	3070.330527778154	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
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543	253	18723	-13221.14133	958717.3170250766	35.07896129811235	-100.8462757	34127.7177735345	4374768.687	3070.8861277009112	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
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546	253	18726	-11241.14133	958717.3170250766	35.0789936809248	-100.8393622	34187.7452741254	4374756.6345464	3071.2197582182777	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
547	253	18727	-10581.14133	958717.3170250766	35.0789946883175	-100.8369928	34207.7508203705	4374752.68194574	3071.330527778154	2896.8778670985853	2896.8778670985853	2908.379130084382	54.53206075129648	42.56962748742717
548	253	18728	-9921.141327	958717.3170250766	35.07900525960416	-100.8345866	34227.7672778877	437						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKg.ft	BRElevBothKg.ft	SatElltLog.ft	SatElltBoth.ft
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632	253	17112	45518.8586730335	958717.1370250766	-35.07082958180271	-00.4638299	359160.37881035253	4374411.60335248	2903.1200635116084	2756.015416780376	2695.1110285396257	2696.857097451289	60.95003133211182	59.204444411910877
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634	253	17114	46838.8586730335	958717.1370250766	-35.070796652064476	-00.4633543	359562.3583047444	4374404.3596384688	2899.32704527136864	2752.1437399	2693.0473257136864	2695.9951941546628	60.90013342436335	56.1476741
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637	253	17117	48818.8586730335	958717.1370250766	-35.07078681374598	-00.46265208	360165.3265323305	4374391.592192554	2886.660832585413	2746.145038259378	2690.2450536487827	2694.2453378309861	55.8998641150526	51.89230446917854
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644	253	17124	53438.8586730335	958717.1370250766	-35.0707623683956	-00.46101652	361572.2476696369	4374363.58515717	2884.66413951128	2732.07409808491	2677.15952306133	2675.36146594249	54.913822187176	56.70999249422215
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648	253	17128	56078.8586730335	958717.1370250766	-35.070748311106	-00.4600849	362376.199716414	4374347.58576284	2874.202688	2724.2363145159397	2666.5846941550258	2669.988732640507	57.1446482625063	54.24751251189035
649	253	17129	56738.8586730335	958717.1370250766	-35.0707443759331	-00.5984671	362577.1873896576	4374343.586447016	2868.7675238145994	2722.316472216803	2663.9245955708726	2668.8713077891443	58.9512126453046	53.44516442765871
650	253	17130	57398.8586730335	958717.1370250766	-35.07073957906104	-00.5961293	362778.1749307393	4374339.58733611	2866.505394129937	2720.4133655890968	2661.547696805705	2667.5234841153547	58.8656817383817	52.88988117460394
651	253	17131	58058.8586730335	958717.1370250766	-35.07073562071156	-00.5937915	362979.1624002615	4374335.58843571	2859.625387737687	2718.525508602324	2659.283988740882	2665.6737096290654	59.24180919414539	52.85179844016875
652	253	17132	58718.8586730335	958717.1370250766	-35.07073163	-00.5914337	363180.14861756417	4374331.58954577	2857.122061677567	2716.565977322663	2657.137055818253	2659.7213705812569	59.43725171441075	53.8612069401027
653	253	17133	59378.8586730335	958717.1370250766	-35.07072764582864	-00.5891219	363381.257246582864	4374327.589129697	2856.33275275543	2713.887398265912	2654.871351820352	2653.553528694326	59.4702578115371	54.84702571315872
654	253	17134	60038.8586730335	958717.1370250766	-35.070723949159546	-00.5867781	363582.1237783722	4374319.59269751	2852.117108	2712.9405263330903	2653.182113456786	2655.0592129683266	59.7584128924043	54.871313345735
655	253	17135	60698.8586730335	958717.1370250766	-35.07071936831948	-00.5844403	363783.110662504	4374313.5943918353	2850.30349910516	2711.30716483903	2651.753212546506	2656.77438534897	59.9503083093725	53.9323979
656	253	17136	61358.8586730335	958717.1370250766	-35.0707159231801	-00.5821025	363984.0974148596	4374315.59708314	2848.17010978314	2709.279308	2650.33422693736	2656.09781905005	58.9444787799043	53.8141697319724
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658	253	17138	62678.8586730335	958717.1370250766	-35.0707067483113	-00.5774269	364386.070266895	4374307.60220333	2846.927530726004	2705.667717424155	2648.15120304829	2653.71975889151	57.51651704012602	54.28995783000386
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661	253	17141	64658.8586730335	958717.1370250766	-35.0706983	-00.5704134	364989.0922296623	4374295.611001787	2841.307125458995	2700.341693077387	2644.151014297434	2645.69968878339	56.1906783430635	54.642024039828
662	253	17142	65318.8586730335	958717.1370250766	-35.07069487921386	-00.5680756	365190.0154943386	4374291.61445214	2839.126459067923	2698.58955320596	2642.560317713334	2647.887273941157	56.9208314502619	56.7022738640045
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664	253	17144	66638.8586730335	958717.1370250766	-35.0706815849871	-00.5634	365591.9868	4374283.61273062	2833.809817435235	2695.119630793735	2638.6220850540584	2636.721110051432	56.4971657895111	58.3984032794164
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666	253	17146	67958.8586730335	958717.1370250766	-35.070672949430854	-00.5587244	365997.97907129	4374275.63012207	2828.924475169106	2692.871393265912	2634.025924	2634.108594	58.3061009185928	59.22342876068384
667	253	17147	68618.8586730335	958717.1370250766	-35.07066927655504	-00.5563886	366194.943176753	4374271.63838682	2828.870725233598	2691.908560597735	2629.980587791714	2637.862736324108	58.0119813805959	60.01179132683678
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669	253	17149	69938.8586730335	958717.1370250766	-35.07066156419685	-00.551711	366596.9133822045	4374263.644719396	2817.74105602917	2686.43299814562	2622.517104838215	2621.6759139282363	57.126814343441	64.967378886196
670	253	17150	70598.8586730335	958717.1370250766	-35.07065719636301	-00.5493732	366797.9882735097	4374259.64293013	2814.1762214629	2684.978429223011	2618.533386945612	2618.614550764894	57.4454597698416	66.36024817540692
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673	253	17153	72578.8586730335	958717.1370250766	-35.07063821498458	-00.542568	367410.849831918	4374247.6188454582	2802.74247498454582	2679.54471984578	2611.24410845507	2610.732498454296	56.4848593829252	67.9529131
674	253	17154	73238.8586730335	958717.1370250766	-35.070633201707226	-00.540022	367601.83919025	4374243.671775699	2800.712552587624	2678.3886813956				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SurfThgLog.ft	SatThgBoth.ft
17	254	17327	-36081.1413	95937.37170250766	35.0209908610992	-102.759218	235522.1308574212	4377114.793251665	3485.2825428921287	357.351185322962	3583.2542103284786	3583.087000023295	74.0969749944839	74.26338532063255
18	254	17238	-35971.7413	95937.37170250766	35.03001552156523	-102.739543	235723.22456939324	437710.65925706	3486.92428693394	3556.0617413123755	3580.783281184713	3581.087197506356	75.27846011	74.97454381
19	254	17238	-35961.1413	95937.37170250766	35.0300161187053	-102.739543	235723.22456939324	437708.525478147	3484.9212555522516	3578.429005389915	3578.82777677003	3578.82777677003	75.89373361248	75.8931106451293
20	254	17240	-35840.1413	95937.37170250766	35.03004657025746	-102.689094	236125.46547947061	437710.3911971476	3482.96120279498	3563.463430516466	3576.221356132064	3576.221356132064	77.24129643835022	76.6338620717075
21	254	17241	-35774.1413	95937.37170250766	35.030089187503085	-102.666572	236326.5764969072	437708.2554369934	3481.10079023096	3562.154055573975	3574.1801546831792	3574.1732166794306	77.0490566421827	77.44103387799396
22	254	17242	-35708.1413	95937.37170250766	35.03011361188582	-102.664235	236527.68725306543	437704.125439439	3483.26035576274	3563.83269819376	3572.195708943024	3572.195708943024	78.6422607	78.716397077939
23	254	17243	-35642.1413	95937.37170250766	35.03013802159058	-102.6618971	236728.79774814623	437705.995918162	3481.1167024911634	3564.915177218395	3570.300142796935	3570.300142796935	79.21503442241374	79.25707065310634
24	254	17244	-35581.1413	95937.37170250766	35.0316236145085	-102.659596	236929.907862615	437708.599281706	3486.7722941148734	3568.184737154203	3568.488326146223	3568.488326146223	79.69641100798071	79.6834202145082
25	254	17245	-35510.1413	95937.37170250766	35.0319675549265	-102.657222	237131.0179559189	437708.1727334284	3485.3411772324304	3568.78677971	3568.78677971	3568.78677971	80.059066212258	80.0225806688104
26	254	17246	-35444.1413	95937.37170250766	35.032109780314	-102.654847	237352.127699137	437707.55601635	3485.500640123935	3565.29755862765	3565.24737231023	3565.24737231023	80.2032841	80.25320878063
27	254	17247	-35378.1413	95937.37170250766	35.0323520890662	-102.652472	237533.231186137	437703.463007224	3481.944211760016	3564.11850046628	3563.8283263759	3563.706970673424	80.2548828	80.4386348
28	254	17248	-35312.1413	95937.37170250766	35.032593928567	-102.650208	237734.34631466586	437703.331168352	3484.311491962495	3562.7920178522213	3562.6468907141566	3562.6468907141566	80.1451271306471	80.5320045
29	254	17249	-35246.1413	95937.37170250766	35.03283351662206	-102.647873	237935.4552473205	437705.2	3486.67771274899	3561.441146579607	3561.568959599013	3560.8340886719	80.2671900970552	80.5800579124066
30	254	17250	-35180.1413	95937.37170250766	35.03303763	-102.6455349	238136.5632096073	4377061.08	3489.046052347383	3560.6627794991	3560.609167946474	3559.089260304346	79.45871103	80.9763674906448
31	254	17251	-35114.1413	95937.37170250766	35.03331367382758	-102.6431974	238367.67243484728	437706.936842836	3489.6277229454848	3558.69500851708	3558.6611911095345	3557.4719594581816	79.62728975636091	81.54720738865438
32	254	17252	-35048.1413	95937.37170250766	35.0335567717839	-102.640859	238538.7605895368	437702.505906046	3487.357486987093	3557.3190909025192	3558.1324089895214	3553.004150495936	79.18711016553198	81.5145856298682
33	254	17253	-34982.1413	95937.37170250766	35.0337965378515	-102.638524	238739.8884851214	437704.675204757	3485.44270283072	3555.839845786504	3558.7478375181745	3546.225504423415	79.18080826832942	89.719053416241
34	254	17254	-34916.1413	95937.37170250766	35.03403548427926	-102.636185	238940.961220803	437704.554659696	3484.823463949355	3554.53399091734	3553.045239	3544.302151	81.95081600921528	90.25124684
35	254	17255	-34850.1413	95937.37170250766	35.0342741632657	-102.6338475	239142.1035003472	437704.413428663	3480.0023867137	3533.164126636727	3550.241575536569	3548.110466071823	82.9225501006369	85.0536603
36	254	17256	-34784.1413	95937.37170250766	35.0345132907442	-102.63151	239343.2106201752	437703.284213843	3487.859106960506	3531.77058588247	3546.186292358473	3545.954298467878	83.5459262970065	85.81808752040979
37	254	17257	-34718.1413	95937.37170250766	35.0347501667142	-102.6291728	239544.3714818994	437702.154314498	3484.719151404589	3530.3734048365196	3541.512403	3541.360490722273	82.8617377634965	89.0131171424679
38	254	17258	-34652.1413	95937.37170250766	35.0349849171751	-102.626831	239745.4240559675	437702.403460322	3485.197561224881	3528.97078922083	3538.718233895308	3536.810040388938	82.9661763316754	92.1649758102106
39	254	17259	-34586.1413	95937.37170250766	35.0352263243268	-102.624512	239945.58015204184	437702.9512876022	3486.26948982694	3529.26523556024	3518.15274270522	3518.15274270522	93.7624706107125	94.78383972572502
40	254	17260	-34520.1413	95937.37170250766	35.035405467556845	-102.622160	240147.3631986453	437701.956909747	3487.929257175023	3527.17334572395	3526.692563527594	3526.7401091970046	94.0707104480126	93.4322537539052
41	254	17261	-34454.1413	95937.37170250766	35.0356967554997	-102.6198226	240348.7423508742	437701.6538971735	3486.545738715268	3524.707832736947	3522.305318204115	3522.4452290292811	94.46507209292811	102.3251562866358
42	254	17262	-34388.1413	95937.37170250766	35.03593272392024	-102.6174852	240549.84792467012	437701.50804963	3485.157186554304	3523.366776541325	3520.734518629525	3520.899964061162	102.6322579116727	102.3781253516212
43	254	17263	-34322.1413	95937.37170250766	35.0361673408297	-102.6151477	240750.9532415409	437700.73943026	3484.823463302493	3521.623269597656	3521.414001026909	3521.035929809187	94.700429386897147	99.9370386897147
44	254	17264	-34256.1413	95937.37170250766	35.036401952274	-102.6128102	240952.0583016611	437700.251051817	3485.540210883244	3520.557870551355	3522.49144184818	3522.3736695604445	98.06373172053327	99.18712063430671
45	254	17265	-34190.1413	95937.37170250766	35.0366363201125	-102.6104727	241153.15310524184	437700.9812876022	3486.26948982694	3519.52534076798	3522.16321183011606	3518.5232929431	98.81379104	94.78383972572502
46	254	17266	-34124.1413	95937.37170250766	35.0368732344856	-102.6081777	241372.9622310171	437700.9519551647	3487.71919055167	3517.744621965346	3524.681925444132	3524.681925444132	99.03749133206172	99.03749133206172
47	254	17267	-34058.1413	95937.37170250766	35.037103393544	-102.6057797	241555.37194360135	437699.861710671	3487.085111267426	3516.337193712296	3523.302126647817	3523.302126647817	99.0717197704682	99.42652615093763
48	254	17268	-33992.1413	95937.37170250766	35.037300269185	-102.6034602	241756.4758979717	437698.73964109	3486.578326715756	3516.452400024672	3522.8712407151684	3520.229478514525	92.05415930950358	94.6995210110495
49	254	17269	-33926.1413	95937.37170250766	35.0375682605422	-102.6011227	241957.5787826616	437698.612326915	3486.071624161457	3513.51934429506	3522.03253677831	3522.03253677831	91.4768071567485	91.314611344755
50	254	17270	-33860.1413	95937.37170250766	35.0378001668424	-102.5987852	242158.683282273	437697.845	3485.546801420854	3512.089923829334	3520.966121312986	3521.035929809187	92.2240014134734	92.2240014134734
51	254	17271	-33794.1413	95937.37170250766	35.0380316216456	-102.5964477	242358.7595898416	437697.438447071	3484.1299595648825	3510.88904033546	3518.7354914739376	3520.539749140241	93.95389958394166	93.95389958394166
52	254	17272	-33728.1413	95937.37170250766	35.0382623243268	-102.5941102	242560.8902569454	437697.21576854	3484.719151404589	3509.26523556024	3518.15274270522	3518.15274270522	94.78383972572502	94.78383972572502
53	254	17273	-33662.1413	95937.37170250766	35.03849316770564	-102.5917727	242761.99232130171	437696.10523967	3483.94048982694	3507.889091	3516.4175696113686	3516.4175696113686	95.1232477676253	91.1664307040482
54	254	17274	-33596.1413	95937.37170250766	35.0387272769619	-102.5894352	242963.0482707793	4376961.97	3483.049156091887	3506.501371212839	3514.5587971038185	3516.1443879934095	91.94257410902037	90.3566821942397
55	254	17275	-33530.1413	95937.37170250766	35.03895829257013	-102.5870977	243164.1970765708	437695.85264663	3483.205817876022	3505.1146388157053	3512.6506574971904	3514.204147851734	92.05415930950358	93.95389958394166
56	254	17276	-33464.1413	95937.37170250766	35.039182122937	-102.5847602	243365.2909071788	437695.72158026	3483.905729662055	3503.777561643394	3510.658888860415	3510.658888860415	93.0888762782972	91.8550209503379
57	254	17277	-33398.1413	95937.37170250766	35.0394108682895	-102.5824227	243566.4808129365	437694.601569732	3483.02389550768	3502.92895386765	3509.8058937672754	3510.73770921381	92.5883209660141	92.5883209660141
58	254	17278	-33332.1413	95937.37170250766	35.0396391628106	-102.5800852	243767.5602201976	437694.547619762	3483.310081452455	3501.364616958444	3507.114043167199	3507.114043167199	93.521256864493	93.0880760108076
59	254	17279	-33266.1413	95937.37170250766	35.0398694396346	-102.5774102	243968.610924846	437694.3226084781	3482.947403496991	3500.458194734369	3504.061758023872	3503.250134747793	94.0823136812218	94.89935346573002
60	254	17280	-33200.1413	95937.37170250766	35.04003213362654	-102.5747307	244170.8052404918	437693.101354756	3482.547406837082	3502.85740691489	3501.8072497597695	3501.8072497597695	93.88800022272996	94.9381751
61	254	17281	-33134.1413	95937.37170250766	35.0402547823476	-102.57107352	244371.9075143868	437692.97840032	3482.910378761143	3501.3527296174863	3501.984873423605	350		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
143	254	18363	-277221.1413	95937.3170250766	39.50573939264606	-101.7813921	606080.2228774496	4376595.06509409	3682.524796586833	3488.304714322137	3356.6302829237147	3361.8689341195985	31.6744314827226	126.357879020254745
144	254	18364	-276561.1413	95937.3170250766	39.5057582286506	-101.7790545	261061.303020002	4376591.48622162	3679.589744140026	3486.8482612248954	3354.5145490214404	3360.31354987672	332.33371220345498	126.35906623721834
145	254	18365	-275901.1413	95937.3170250766	39.50577222981079	-101.7817618	261282.3682493034	4376587.391956233	3678.654731621382	3485.296858572693	3352.4869948694536	3358.632701878387	332.9003281979068	126.35827378454261
146	254	18366	-275241.1413	95937.3170250766	39.50576068510225	-101.7743792	261463.463461654	4376583.284597786	3673.719699102714	3483.94719553404	3350.819036069333	3357.2501371771847	333.1903463707087	126.695075017519232
147	254	18367	-274581.1413	95937.3170250766	39.50581486655424	-101.7720416	261664.5341643003	4376579.179252373	3672.076212	3482.505687638585	3349.230959419962	3356.14445652597	332.7427282186233	126.36327679898817
148	254	18368	-273921.1413	95937.3170250766	39.5058366214296	-101.769704	261865.6226472861	4376575.073237167	3671.724271066246	3481.03866649854	3348.231815	3358.901243406847	332.8320815054053	126.122654242813824
149	254	18369	-273261.1413	95937.3170250766	39.505825382576236	-101.7673663	262066.70189055714	4376570.967421933	3670.7322399151234	3479.657040254955	3346.810898845124	3358.750489875184	332.8004818098306	121.0548410351126
150	254	18370	-272601.1413	95937.3170250766	39.505810785403	-101.7650287	262267.7800979102	4376566.86162278	3671.023039	3478.190021	3345.6227176511807	3358.760403143008	332.5685498829458	121.48441748643189
151	254	18371	-271941.1413	95937.3170250766	39.50586987976364	-101.7626811	262468.598260514	4376562.756	3670.72854359826	3476.7594581689654	3345.5874168946616	3356.628446914792	332.1702038206272	126.35812114678753
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155	254	18375	-269301.1413	95937.3170250766	39.50596375690985	-101.7533405	263273.142566026	4376546.337064516	3669.712729963873	3471.0873295002275	3340.673209	3358.4142063764756	331.5489932679111	115.3489832679111
156	254	18376	-268641.1413	95937.3170250766	39.50598216125427	-101.7510209	263474.250036726	4376542.32756269	3668.33964210734	3469.6923170504274	3339.481259932053	3358.33635992343	330.21049105722294	115.17096045119305
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161	254	18381	-265341.1413	95937.3170250766	39.5060730564859	-101.7393147	264479.634703526	4376521.71442313	3661.294734529153	3462.864709715452	3335.4520560832225	3364.8682130013085	327.41265363222965	97.99649674114363
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163	254	18383	-264021.1413	95937.3170250766	39.50610972731177	-101.7346394	264881.7889910681	4376513.58080545	3655.34947105653	3460.187962156637	3333.6555795289914	3370.135199020328	326.53382662653102	90.0520313331102
164	254	18384	-263361.1413	95937.3170250766	39.50612777	-101.732310	265082.66365829	4376509.46013595	3651.971911388602	3458.862353239614	3332.495253904647	3374.256147197628	326.3670814213465	84.00619512633775
165	254	18385	-262701.1413	95937.3170250766	39.5061462350768	-101.729881	265289.3081559273	4376505.29258131	3648.398774305923	3457.348471689564	3331.784247379272	3374.6544705417283	326.034709693193	78.4327276957028
166	254	18386	-262041.1413	95937.3170250766	39.50616372113676	-101.7272605	265485.01343262	4376501.201474643	3645.216250337133	3456.23308914634	3329.9249144650372	3380.417845307885	327.1216136942617	75.819643606787
167	254	18387	-261381.1413	95937.3170250766	39.50618162763556	-101.7252888	265686.088483712	4376497.099582608	3641.464538552661	3453.87937594183	3328.1466079105326	3367.72290068738	328.7190971906434	72.7013019
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169	254	18389	-260061.1413	95937.3170250766	39.506217308557275	-101.7206135	266088.23789142177	4376486.89627474	3633.208084956156	3452.366702152265	3319.260486226664	3346.5373213179923	333.1062158959253	60.2583893242314
170	254	18390	-259401.1413	95937.3170250766	39.506235007172317	-101.7182759	266289.21324914413	4376484.734970501	3629.080387073964	3451.096471229604	3315.57528037696	3338.79926748206	332.49984319199602	52.12920408139823
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180	254	18400	-252801.1413	95937.3170250766	39.50641031873479	-101.6949893	268300.4317760316	4376443.794	3584.39555448022	3438.722101	3296.351625394385	3301.341537	326.730485333516	137.3056813312993
181	254	18401	-252141.1413	95937.3170250766	39.50642758174609	-101.6926216	268501.11501027	4376439.694780293	3577.4993586791894	3437.4029098250953	3297.43452429645	3314.7590685275958	325.8056161324504	137.3056813312993
182	254	18402	-251481.1413	95937.3170250766	39.5064482446079	-101.6902239	268702.1866142707	4376435.596049758	3573.6598638914904	3436.277683089316	3291.3674122541815	3314.9102747875008	324.9102747875008	147.9880579
183	254	18403	-250821.1413	95937.3170250766	39.5064620598894	-101.6878963	268903.25799031474	4376431.49753963	3569.347710150425	3435.0653319404284	3288.7843934529783	3287.0689727304264	324.719047614141	147.9880579
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185	254	18405	-249501.1413	95937.3170250766	39.50649674286954	-101.683273	269340.3291384396	4376423.39231266	3563.84369051027	3432.7874369051027	3284.4602409010305	3281.400510871471	324.4602409010305	152.4310444363188
186	254	18406	-248841.1413	95937.3170250766	39.50651324043304	-101.680973	269504.4707	4376419.20371824	3561.743382932524	3431.38733892524	3277.91295709659	3280.7324710505845	326.716590254758	136.21407582758
187	254	18407	-248181.1413</											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
26	254	187489	-194061.1413	95937.3172025076	35.50777099639899	-101.486843	28164.5657015244	43760.794264969615	3475.084897629301	33.028170699335098	3191.501839	3192.293193	111.31523051777958	110.35287690151954
270	254	187490	-193401.1413	95937.3172025076	35.50777099639899	-101.4848035	28636.618018577448	43760.7574660731	3476.2114295961076	3300.8602340033144	3190.050478371795	3191.017178387213	110.80978651651349	108.84105506457308
271	254	187491	-192741.1413	95937.3172025076	35.50777099639899	-101.4828167	28656.6701236183	43760.7166691437	3478.022009696438	3298.5148987686537	3189.870277403268	3191.3148089681235	109.00401237724554	107.58017981848117
272	254	187492	-192081.1413	95937.3172025076	35.507810630077545	-101.479298	28767.720224891	43760.6754679311	3479.518247650474	3296.869400968485	3188.470128023045	3192.01750557757	108.990276760347	106.165162041078
273	254	187493	-191421.1413	95937.3172025076	35.50782375098567	-101.477492	28698.7737104778	43760.63508220933	3473.0138860044033	3285.0520921071513	3186.7486957581377	3189.5842991499968	108.10339634901356	106.6937818725168
274	254	187494	-190761.1413	95937.3172025076	35.50783662673664	-101.4751453	287190.8251887092	43760.59418926296	3471.50952415484236	3292.8315619114614	3185.320673782413	3186.83746466919	107.51088452904433	106.93979844447049
275	254	187495	-190101.1413	95937.3172025076	35.507849857328345	-101.4728165	287400.6654774917	43760.5573505389	3469.2891662135329	3290.8158226331523	3183.5192673617533	3185.3872689178667	107.29658087178677	105.43726204903432
276	254	187496	-189441.1413	95937.3172025076	35.507862427777777	-101.4704787	287601.92751780443	43760.5170380267	3466.3528193745392	3288.812690149112	3181.679403971457	3183.818684157866	107.13574971966716	105.1938259124583
277	254	187497	-188781.1413	95937.3172025076	35.50787593333385	-101.468141	287802.6763891076	43760.4718336417	3463.4164701344607	3286.830164867438	3179.7350777403267	3181.5712032222413	107.0657230152743	105.28891463519385
278	254	187498	-188121.1413	95937.3172025076	35.50788987814762	-101.4658032	288004.0201117795	43760.4311548493	3460.4812038940627	3284.87233719705	3177.6752607617533	3180.405116521193	107.1953412361528	104.4675270853742
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280	254	187500	-186801.1413	95937.3172025076	35.5079143289702	-101.4611277	288406.1296722832	43760.3649546664	3456.1155510702568	3281.0492511287866	3173.2990714667105	3176.3015970425186	107.570796261612	104.7476540626808
281	254	187501	-186141.1413	95937.3172025076	35.50792705523262	-101.4587899	288607.179690493	43760.33818279886	3454.211242219277	3279.191220277686	3170.9114101422692	3174.4108289245942	108.28051193049492	104.7588974054454
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287	254	187507	-182181.1413	95937.3172025076	35.50800207199718	-101.4447634	289814.4744442073	43760.06241182784	3436.107880232978	3268.48259356706	3153.706542659932	3161.32317248114	115.1360509717262	107.519072885918
288	254	187508	-181521.1413	95937.3172025076	35.50801514552239	-101.4424256	290014.5241124268	43760.025137663	3433.505809929477	3267.22157060296	3150.932214530014	3160.594844232583	116.2949420571296	106.36276122771312
289	254	187509	-180861.1413	95937.3172025076	35.508027543881774	-101.4400878	290215.5274743926	437599.829	3434.9082396954653	3265.63598502942	3148.396817114688	3156.6555051	117.24393040264417	106.085094
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292	254	187512	-178981.1413	95937.3172025076	35.508064468022104	-101.4330745	290818.716234487	437598.034101438	3421.000529610864	3260.979034655387	3143.007851932165	3155.57198891133	117.9690515333736	106.4049857492544
293	254	187513	-178221.1413	95937.3172025076	35.50807668010205	-101.4307367	291019.76386326046	437598.1968132684	3428.956291283295	3259.454271382975	3142.135825226292	3154.842719464891	117.3208888606622	106.1413549190885
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296	254	187516	-176241.1413	95937.3172025076	35.50811306726664	-101.4237324	291622.9054827362	437599.744482697	3425.78881368267	3254.967304704366	3140.8672685252	3147.110649511397	114.099676078465	107.8899333357996
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299	254	187519	-174261.1413	95937.3172025076	35.508149643692285	-101.4167101	292226.0479222384	437597.82571063	3425.358510678114	3250.80536898989	3138.685097066577	3141.971080284165	117.11049611233138	106.08459505770253
300	254	187520	-173601.1413	95937.3172025076	35.508160945244485	-101.4143723	292427.0909838491	437598.1968132684	3425.15929283624	3137.846592108676	3140.1063419258935	3141.971080284165	117.11049611233138	106.08459505770253
301	254	187521	-172941.1413	95937.3172025076	35.50817280173677	-101.4120345	292628.1368006338	437599.744482697	3424.96075031121	3247.71895586024	3136.631467083407	3138.136498	117.084877791238	105.584257962929
302	254	187522	-172281.1413	95937.3172025076	35.508184613019175	-101.4096968	292829.1824992813	437599.520261127	3424.760857202326	3246.310440613624	3135.544907550475	3136.550253321726	110.7653536108871	105.754387818987
303	254	187523	-171621.1413	95937.3172025076	35.50819637915161	-101.407359	293030.2279944586	437599.1968132684	3424.572153277985	3244.918075985102	3134.5419363827766	3134.710713082328	110.7653736232574	110.7653736232574
304	254	187524	-170961.1413	95937.3172025076	35.50820810101413	-101.4050122	293231.27328649124	437597.15149562	3423.54251596637	3243.54251596637	3133.127200501678	3130.5712386947	110.41788912611414	110.41788912611414
305	254	187525	-170301.1413	95937.3172025076	35.50821975916567	-101.4026834	293432.318754647	437598.038508113	3422.184024062984	3242.184024062984	3131.83762898742	3127.7032314566973	110.3468572899231	110.41788912611414
306	254	187526	-169641.1413	95937.3172025076	35.50823140564921	-101.4003456	293633.363261328	437599.21084052	3421.7375871733234	3240.84239043648	3130.918931823685	3122.4598601530674	110.432302585074	110.432302585074
307	254	187527	-168981.1413	95937.3172025076	35.5082428259231725	-101.3980079	293834.40794517624	437598.038508113	3416.12925919424	3239.519655909621	3129.2617541042514	3115.1170210703618	110.25790180536978	110.25790180536978
308	254	187528	-168321.1413	95937.3172025076	35.50825453235419	-101.3956701	294035.4542326334	437599.869126372	3414.961965163114	3238.2127497187077	3127.729528504615	3115.1170210703618	110.25790180536978	110.25790180536978
309	254	187529	-167661.1413	95937.3172025076	35.508266603	-101.3933232	294236.4967025811	437599.7977671	3413.7709348310649	3236.2713051654096	3126.27733828173	3117.685909729577	110.643723823368	110.643723823368
310	254	187530	-167001.1413	95937.3172025076	35.50827747548919	-101.3909485	294437.5407248404	437599.1968132684	3412.575913000915	3234.56182735767	3124.789055132541	3118.950014067286	110.8510622327578	110.8510622327578
311	254	187531	-166341.1413	95937.3172025076	35.5082891709693024	-101.3886189	294639.6832310229	437598.038508113	3411.379446399017	3233.4546399017	3123.8456289171543	3117.685909729577	110.643723823368	110.643723823368
312	254	187532	-165681.1413	95937.3172025076	35.50830115565612	-101.3863811	294840.671803248	437599.1968132684	3410.2121448	3232.691170702877	3121.820			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKgr.ft	BRElevLogKgr.ft	BRElevLogKgr.ft	SurElevBoth.ft
395	254	187615	-110901.1413	95937.3717020576	39.5090856546912	-101.1922804	311525.5710517209	4375567.441238198	3298.434822404868	3127.2064304520054	3040.21099682207	3040.7777674904255	86.9954358979827	86.4286296
396	254	187616	-110241.1413	95937.3717020576	39.50903251263091	-101.189426	311726.5926269324	4375563.382695324	3296.06095985213	3125.6427240232	3030.621502376122	3036.605542241877	89.6209697	88.9819196178414
397	254	187617	-106861.1413	95937.3717020576	39.50910072836101	-101.187648	311927.628181696	4375559.33841678	3295.703775172174	3124.045895184695	3031.9130236229963	3032.797825494695	91.1305761956768	91.25969722430269
398	254	187618	-108921.1413	95937.3717020576	39.50910822684915	-101.185269	312128.652954356	4375555.280284761	3298.3376555068274	3122.447739	3028.513946700284	3030.529051560535	91.6209322854505	91.9188820237752
399	254	187619	-108261.1413	95937.3717020576	39.50911566914613	-101.1829291	312329.6789480508	4375551.230457959	3298.6237238468657	3120.8466213766656	3025.963325409162	3029.8222006	91.02461323294546	91.02461323294546
400	254	187620	-107601.1413	95937.3717020576	39.50912304466116	-101.1805913	312530.70658917027	4375547.172795759	3298.572398555555	3119.2450552644996	3023.989141932414	3030.65855807446	95.2580845	89.1803406425194
401	254	187621	-106841.1413	95937.3717020576	39.509130380514366	-101.1782534	312731.7336105444	4375543.126236059	3298.61739333886	3022.792803874954	3030.703175	3030.703175	95.37142555	86.94350145677
402	254	187622	-106281.1413	95937.3717020576	39.50913768020586	-101.1759156	312932.7591975216	4375539.074585335	3298.642538172138	3116.049419842304	3030.475240359383	3027.9587148041337	95.28571940632082	83.59227180069741
403	254	187623	-105621.1413	95937.3717020576	39.5091448022556	-101.1737299	313133.7857	4375535.023957194	3298.738757895658	3114.454056135662	3019.284814631214	3030.718245454695	95.16983075240469	79.1591460170284
404	254	187624	-104961.1413	95937.3717020576	39.50915213510362	-101.1717289	313334.611718928	4375530.971471964	3298.84617525127	3112.859962251496	3017.788959	3030.875032741025	94.96870440425	76.58015378039262
405	254	187625	-104301.1413	95937.3717020576	39.50915929480363	-101.1690021	313538.837544761	4375526.920363383	3298.9534971576454	3111.263079943071	3016.50228621244165	3028.963927102576	94.8625851865431	78.8821723204998
406	254	187626	-103641.1413	95937.3717020576	39.50916649305415	-101.1665642	313736.8631882276	4375522.869749397	3298.1506867901633	3109.067032174809	3015.08455967673	3026.870127327675	94.58257620713448	82.7969049371133
407	254	187627	-102981.1413	95937.3717020576	39.50917347873219	-101.1642264	313937.888648463	4375518.819072148	3298.271736822263	3108.070193835087	3013.9203696088416	3022.079214593785	85.1097879466707	85.9108792427607
408	254	187628	-102321.1413	95937.3717020576	39.50918050295757	-101.1618885	314138.91392953167	4375514.76807578	3297.45230723954	3106.4730711154374	3012.3647929804336	3018.3987643941204	94.5824422140382	88.05425273131685
409	254	187629	-101681.1413	95937.3717020576	39.50918746201647	-101.1595057	314339.939275874	4375510.718356576	3297.071776956254	3104.874627739204	3011.3077951928803	3016.4334680849624	93.5668325044168	89.26428112966317
410	254	187630	-101001.1413	95937.3717020576	39.50919441591352	-101.157128	314540.9630421917	4375506.68316433	3296.902648117308	3103.269011930402	3009.624159509584	3012.9835132964395	93.6447923904352	90.285498396256
411	254	187631	-100341.1413	95937.3717020576	39.5092013	-101.154875	314741.8886739637	4375502.618489485	3296.5411330485968	3011.66603885122	3008.048070469148	3010.87393102094	93.6076859007747	90.7821073
412	254	187632	-99681.1413	95937.3717020576	39.50920814822201	-101.1525372	314943.0123343575	4375498.568957022	3296.250935566759	3006.03403630964	3006.218317433687	3009.267128480017	93.8180859746027	79.9027485067412
413	254	187633	-99021.1413	95937.3717020576	39.5092146643306	-101.1501993	315144.01374	4375494.514749594	3295.645731705823	3008.43136846835	3004.548200770557	3007.3738803208093	93.86493618	91.057526621444
414	254	187634	-98361.1413	95937.3717020576	39.50922169688291	-101.1478615	315345.0618006271	4375490.192758919	3295.348197936149	3006.78733640797563	3002.8620126720593	3005.744302205085	91.05228468124784	91.05228468124784
415	254	187635	-97701.1413	95937.3717020576	39.50922840797045	-101.1455236	315546.089132567	4375486.42139857	3295.2440652990404	3005.1924007248516	3001.12940996133	3003.7056658646	94.0298321871868	91.386620389574
416	254	187636	-97041.1413	95937.3717020576	39.50923507099543	-101.1431858	315757.1047455369	4375482.37244401	3295.1432679898454	3003.528962405156	2999.39682840511514	3002.716361638174	91.312435953423	91.312435953423
417	254	187637	-96381.1413	95937.3717020576	39.5092409693438	-101.140916	315962.1339788567	4375478.329109094	3295.04318269584	3002.4191819242174	2998.611425625045	3001.812435953423	91.312435953423	91.312435953423
418	254	187638	-95721.1413	95937.3717020576	39.5092482152484	-101.1385011	316149.1567083031	4375474.27555316	3294.93377354	3000.261033845829	2996.5415734612234	2999.82023734534	91.3194602330576	90.400809509777
419	254	187639	-95061.1413	95937.3717020576	39.50925478807458	-101.1361722	316350.1807631728	4375472.272592858	3294.823731	3000.691230717765	2995.818376444505	2998.260119440705	93.8458467313604	90.35668237
420	254	187640	-94401.1413	95937.3717020576	39.5092617208235	-101.1338344	316551.2032774206	4375466.179616581	3000.594536308217	3006.91552034464	2993.44423239995	2997.507247684206	93.527232834905	89.46413751926346
421	254	187641	-93741.1413	95937.3717020576	39.50926771	-101.1314965	316752.22621195956	4375462.13191074	3298.981560475084	3005.3164390776055	2991.949349159618	2996.254888	90.065120114545	89.065120114545
422	254	187642	-93081.1413	95937.3717020576	39.50927410051854	-101.129157	316963.2489675586	4375458.04482131	3297.028685593464	3005.65233043528	2990.576382401955	2994.6935681652126	93.1169502415724	88.9606535034018
423	254	187643	-92421.1413	95937.3717020576	39.50928046948481	-101.126828	317154.2715453975	4375454.331725749	3296.898817717545	3004.6988519717545	2991.949349159618	2996.254888	90.065120114545	89.065120114545
424	254	187644	-91761.1413	95937.3717020576	39.50928674847315	-101.124463	317359.4390098993	4375449.5907089093	3296.735291299137	3003.815520116794	2998.15520116794	2997.167420143224	91.312435953423	91.312435953423
425	254	187645	-91101.1413	95937.3717020576	39.50929303044096	-101.1221451	317556.3161626469	4375445.933295996	3296.52402662782	3004.6419207541953	2998.8103568505817	2998.408219	91.81361530631564	89.237015467546
426	254	187646	-90441.1413	95937.3717020576	39.50929921624655	-101.1198073	317757.3382047035	4375441.89601827	3296.515473523415	3007.961834003175	2995.849445703003	2997.7399948617	91.1123883	89.227345181567
427	254	187647	-89781.1413	95937.3717020576	39.50930353829009	-101.1174694	317958.360068367	4375437.850176577	3296.471350373847	3005.7527642019694	2994.5521557032568	2995.8502742189926	90.75408502940127	89.7789982047133
428	254	187648	-89121.1413	95937.3717020576	39.509311503371535	-101.1151316	318159.3815753657	4375433.803963842	3296.3833774993473	3003.8758152615584	2993.2758152615584	2993.2758152615584	90.75408502940127	89.7789982047133
429	254	187649	-88461.1413	95937.3717020576	39.50931758	-101.112737	318360.402631964	4375429.77663611	3296.2915925374336	3001.868680534331	2991.949349159618	2996.254888	90.065120114545	89.065120114545
430	254	187650	-87801.1413	95937.3717020576	39.50932306949481	-101.110463	318562.1425645357	4375425.71751879	3296.20764581707145	3000.7818236551982	2990.7818236551982	2990.7818236551982	90.065120114545	89.065120114545
431	254	187651	-87141.1413	95937.3717020576	39.50932958934328	-101.1081197	318762.4574877905	4375421.6660036	3296.1256598	3000.694700941266	2997.507123502717	2995.818376444505	93.8458467313604	90.35668237
432	254	187652	-86481.1413	95937.3717020576	39.50933553567626	-101.1057802	318963.46726117765	4375417.62307871	3296.0232125928124	3006.80670495862	2997.196405969305	2997.801312003595	93.8458467313604	90.35668237
433	254	187653	-85821.1413	95937.3717020576	39.50934143084715	-101.1034423	319164.487526736	4375413.67007586	3295.927592749825	3006.754721213439	2995.849445703003	2997.7399948617	91.1123883	89.227345181567
434	254	187654	-85161.1413	95937.3717020576	39.5093472805584	-101.1011045	319365.5801509199	4375409.53149758	3295.840136740255	3006.6411530456629	2995.1628605703886	2994.5521557032568	90.75408502940127	89.7789982047133
435	254	187655	-84501.1413	95937.3717020576	39.50935038570243	-101.098766	319566.5289879367	4375405.4864394	3295.763376316236	3001.817184518173	2993.2758152615584	2993.2758152615584	90.75408502940127	89.7789982047133
436	254	187656	-83841.1413	95937.3717020576	39.50935385	-101.096428	319767.548705904	4375401.4911474	3295.6801780919236	3001.71366919236	2991.949349159618	2996.254888	90.065120114545	89.065120114545
437	254	187657	-83181.1413	95937.3717020576	39.50935925989857	-101.094189	319968.573394094	4375397.335322945	3295.596331299348	3001.625934942166	2991.949349159618	2996.254888	90.065120114545	89.065120114545
438	254	187658	-82521.1413	95937.3717020576	39.50937022968995	-101.0917511	320169.5888877356	4375393.35322945	3295.51251996348	3001.565785164462	2991.565785164462	2991.565785164462	90.065120114545	89.065120114545
439	254	187659	-81861.1413	95937.3717020576	39.50937585346677	-101.0894152	320370.6088315713	4375389.390973919	3295.					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
51	254	17741	-27741.14133	95937.37170250766	39.50968334984066	-100.8977101	33683.8504	4375058.43927915	3052.946208613859	2926.6177451844552	2863.240117260489	2863.725437761036	63.77627923963246	62.8923104034875
52	254	17742	-27081.14133	95937.37170250766	39.5096852254598	-100.895372	33704.65496290823	4375054.407563996	3053.247266995408	2925.312583232238	2862.517644919639	2862.877046932032	62.7950336717354	62.47304785643994
52	254	17743	-26421.14133	95937.37170250766	39.50967694098474	-100.8930344	33755.66391089037	4375050.381991196	3053.873204247717	2924.015303	2861.547338934905	2862.412338934905	62.47176433893497	61.6027369847327
52	254	17744	-25761.14133	95937.37170250766	39.509684416815	-100.8965723	33745.6678211052	4375046.35742011	3050.724354570304	2920.7260795007732	2860.394017878402	2860.394017878402	62.7079650071976	62.70400179432979
52	254	17745	-25101.14133	95937.37170250766	39.50969081685014	-100.8883586	33765.67304534014	4375042.330107311	3050.732599712886	2921.431169295133	2860.334213701585	2861.731671139273	61.09065557	59.699481584596
52	254	17746	-24441.14133	95937.37170250766	39.5096222763908	-100.8860227	33758.6783120024	4375038.304677011	3049.724338455467	2920.141069309684	2860.089624534974	2861.427813336901	61.051422771867	58.68820397278302
52	254	17747	-23781.14133	95937.37170250766	39.50969302663208	-100.8883829	33809.6834212862	4375034.279426004	3048.865527499044	2918.850431186511	2859.955813505246	2861.24813836901	61.09065557	57.6349483431344
52	254	17748	-23121.14133	95937.37170250766	39.50969553135871	-100.881345	33826.6808734091	4375030.254496874	3048.192882	2917.558180061394	2859.8102278290294	2861.0800352297742	61.747622326515	56.47381481620294
52	254	17749	-22461.14133	95937.37170250766	39.509679092425	-100.8790071	33846.6188598087	4375026.29867007	3047.530283654516	2916.253938623247	2859.677162336526	2860.389795454893	61.6027369847327	55.2659640734177
53	254	17750	-21801.14133	95937.37170250766	39.5096961	-100.8756692	33862.678096756	4375022.20587004	3046.84751073252	2914.944620949804	2859.399665419516	2860.679404951922	61.56465135	54.261309861613
53	254	17751	-21141.14133	95937.37170250766	39.50970007	-100.8743314	33883.6702888316	4375018.180718551	3045.509023452436	2913.661321274745	2858.9533372584703	2861.102468323414	54.707388304971	52.5588530630216
53	254	17752	-20481.14133	95937.37170250766	39.5097014864394	-100.8719393	33904.7061744336	4375014.15661939	3043.5045514448414	2912.3540702105893	2858.618980103144	2859.954625181927	53.73509011	52.394042923958
53	254	17753	-19821.14133	95937.37170250766	39.50970277558176	-100.8696556	33925.710733206	4375010.132618684	3041.500073551281	2911.0456191844223	2858.3498064195037	2859.562204785075	52.8661276491863	51.4834143937411
53	254	17754	-19161.14133	95937.37170250766	39.50970241130953	-100.8673177	33946.7147971615	4375006.10883411	3039.495973086225	2890.7367973086225	2857.2034362545164	2858.829963254516	52.333610150208	50.9608095451444
53	254	17755	-18501.14133	95937.37170250766	39.50970459989806	-100.8649799	33967.7186544797	4375002.06351677	3037.509586867829	2908.427178413554	2855.707967225027	2857.720666302545	52.2202165106708	50.70651061099943
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55	254	17778	-3321.141327	95937.37170250766	39.509722748405	-100.8112087	344290.7649742318	4374909.602744029	2995.205145793665	2876.551091072627	2818.1286236764245	2818.1019283019	54.0320439009139	66.07393597505187
55	254	17779	-2661.141327	95937.37170250766	39.5097228771639	-100.8088708	344491.7651561488	4374905.584298434	2990.840011200519	2874.932927243546	2814.5283474601497	2816.7298771619676	54.0320439009139	67.07393597505187
56	254	17780	-2001.141327	95937.37170250766	39.5097230366804	-100.8065329	344692.7651561488	4374901.56	2989.932991837172	2873.4704949247484	2812.009819723451	2815.02771	54.0320439009139	68.07393597505187
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56	254	17782	-681.1413269	95937.37170250766	39.5097232022351	-100.8017814	345094.7647991833	4374893.53020024	2986.943931104787	2870.2830844025	2808.079645503696	2812.99811112539	54.0320439009139	70.07393597505187
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56	254	17784	638.858673033514	95937.37170250766	39.509723211868	-100.7971814	345496.763810982	4374885.05421316	2984.943931104787	2868.2830844025	2806.079645503696	2812.99811112539	54.0320439009139	72.07393597505187
56	254	17785	1298.858673033514	95937.37170250766	39.5097231682102	-100.7948435	345697.7631	437						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	WtLb	BREIEvLogKgr.f	BREIEvBothKgr.f	SatHtLog.f	SatHtBoth.f
43	254	187867	55416.85867307335	95937.37120250766	39.50956402129767	-100.6031378	362179.21499049074	4374552.787944349	2879.573886614734	27.26	4618480685626	2697.927371	2671.592282647243	54.8690251833299
44	254	187868	5607.85867307335	95937.37120250766	39.50956071649396	-100.60062	362380.20757024216	4374548.788279356	2742.518634544617	2665.5149291762	2669.9358217487	59.0304705	54.8633521705704	54.8633521705704
45	254	187869	5678.85867307335	95937.37120250766	39.50956347	-100.5984621	362891.1902679695	4374544.788624987	2722.933457	2663.0160183947	2663.0160183947	54.8715730344051	54.8715730344051	54.8715730344051
46	254	187870	57398.85867307335	95937.37120250766	39.50955243138509	-100.596122	362782.719	4374540.79	2862.495390927728	2702.66593	2660.80829619047	54.87326734481522	54.87326734481522	54.87326734481522
47	254	187871	58058.85867307335	95937.37120250766	39.50954880108911	-100.5937864	362983.1645321480	4374536.79058047	2858.287808	2718.7925207073563	2668.442163976963	54.86368175501094	54.86368175501094	54.86368175501094
48	254	187872	58718.85867307335	95937.37120250766	39.50954450563057	-100.5914485	363184.1515903495	4374532.79172512	2855.16744742074	2716.13563691115	2666.42236424212	54.85913240111738	54.85913240111738	54.85913240111738
49	254	187873	59378.85867307335	95937.37120250766	39.50954607	-100.591106	363385.18	4374528.79131336	2852.347424680575	2715.049040591297	2654.630519848206	54.8531698110666	54.8531698110666	54.8531698110666
50	254	187874	60038.85867307335	95937.37120250766	39.509536379225885	-100.5867728	363686.1253082943	4374524.794712134	2849.427598289044	2713.1980097069954	2651.81489324348	54.846656799872	54.846656799872	54.846656799872
51	254	187875	60698.85867307335	95937.37120250766	39.509532448279754	-100.5846438	363787.1115849337	4374520.796521298	2847.58813607907	2711.3609151819783	2649.944851326955	54.8391848619241	54.8391848619241	54.8391848619241
52	254	187876	61358.85867307335	95937.37120250766	39.50952607	-100.5820971	363989.08919579	4374516.7985410225	2846.582905425978	2709.3525381095	2650.312938769046	54.832139542903	54.832139542903	54.832139542903
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55	254	187879	63388.85867307335	95937.37120250766	39.509515278017	-100.5750835	364591.0573103136	4374504.80563458	2844.13953753934	2704.6871264616795	2650.692247582584	54.81429016467545	54.81429016467545	54.81429016467545
56	254	187880	63998.85867307335	95937.37120250766	39.509510916111516	-100.5727456	364792.0432330031	4374498.80872533	2842.014716130399	2702.36672746826	2646.003985960787	54.8056153905729	54.8056153905729	54.8056153905729
57	254	187881	64688.85867307335	95937.37120250766	39.50950651419039	-100.5704077	364993.025031959	4374496.81179702	2840.074836	2700.8065191751574	2645.047351616026	54.80065675594828	54.80065675594828	54.80065675594828
58	254	187882	65318.85867307335	95937.37120250766	39.50950267108844	-100.568099	365194.0148536793	4374492.815	2838.122230869028	2698.85849049028	2643.72025912176	54.79514600476546	54.79514600476546	54.79514600476546
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62	254	187886	67958.85867307335	95937.37120250766	39.50948382714803	-100.5587184	365997.9566352566	4374476.830316993	2826.613895608407	2691.383644322786	2635.5914336325395	54.77649180201439	54.77649180201439	54.77649180201439
63	254	187887	68618.85867307335	95937.37120250766	39.50947915425225	-100.5563806	366198.9418	4374472.834622658	2823.200849854352	2690.295664407624	2634.6301683	54.77163743561208	54.77163743561208	54.77163743561208
64	254	187888	69278.85867307335	95937.37120250766	39.509474436194054	-100.5540427	366399.5925459355	4374468.93197989	2819.707299352747	2689.01530842309	2633.543454476	54.76718936028287	54.76718936028287	54.76718936028287
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69	254	187893	72578.85867307335	95937.37120250766	39.50945016846469	-100.5423534	367404.886124884	4374448.8485	2807.780814138946	2680.377610205825	2614.01659770137	54.74430133394747	54.74430133394747	54.74430133394747
70	254	187894	73238.85867307335	95937.37120250766	39.50944517943217	-100.5400155	367605.840231927	4374444.870889297	2792.607546328583	2678.7520158010943	2617.47696268044	54.73956453119107	54.73956453119107	54.73956453119107
71	254	187895	73898.85867307335	95937.37120250766	39.50944015	-100.5376797	367806.8190717116	4374440.878079037	2786.084698769903	2677.134135757414	2616.48479683071	54.7347351193999	54.7347351193999	54.7347351193999
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78	254	187902	78518.85867307335	95937.37120250766	39.50940431326284	-100.5213127	369205.31703152516	4374412.924082927	2752.1042308267	2666.074315757414	2630.48479683071	54.70514600476546	54.70514600476546	54.70514600476546
79	254	187903	79178.85867307335	95937.37120250766	39.50939824583499	-100.5189748	369412.9862239972	4374408.93262977	2750.5918173	2664.536837	2628.009721329	54.700821453220081	54.700821453220081	54.700821453220081
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82	254	187906	81158.85867307335	95937.37120250766	39.5093817883516	-100.5119612	370017.63471014786	4374396.9569578	2742.91621953225	2660.022381060584	2620.728221	54.686733483872	54.686733483872	54.686733483872
83	254	187907	81818.85867307335	95937.37120250766	39.50937621223927	-100.5096234	370218.6172865917	4374392.95583861	2740.012961117537	2658.8148267727274	2620.83789278823	54.6825347743908	54.6825347743908	54.6825347743908
84	254	187908	82478.85867307335	95937.37120250766	39.5093705905474	-100.5072855	370419.5978374944	4374388.94291201	2734.728361517663	2657.049012695297	2624.631706071935	54.67849138404328	54.67849138404328	54.67849138404328
85	254	187909	83138.85867307335	95937.37120250766	39.5093649588773	-100.5049626	370620.45909079	4374384.93262977	2732.615912374054	2655.94479683071	2623.684529763014	54.67430133394747	54.67430133394747	54.67430133394747
86	254	187910	83798.85867307335	95937.37120250766	39.50935921283917	-100.5026098	370821.564	4374380.9427658	2730.7518173					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBotKrg.ft	SurfBotKrg.ft	LatBoth.ft
34	25	187993	-348921.1413	960037.3170250766	39.50519235877292	-102.0385533	238744.02931055805	4377249.996620398	3861.118984174284	3364.6275603939047	3556.0193817077998	3550.191259505265	78.0812593210494	84.2346813436975
34	25	187994	-349161.1413	960037.3170250766	39.50521627243616	-102.0362158	238945.1367211198	4377246.865821818	3861.4945926716073	3364.234396451235	3553.059025436387	3547.188033873277	80.18537291	86.05509461390749
35	25	187995	-348501.1413	960037.3170250766	39.5052014098474	-102.0338783	239146.24387326398	4377241.35289857	3861.874589783965	3364.907532438462	3549.275327390484	3542.971233268906	84.58212348691702	84.58212348691702
36	25	187996	-347841.1413	960037.3170250766	39.50526396347067	-102.0315407	239345.3507669386	4377237.604671718	3865.468312667293	3363.466205196478	3545.7803626109106	3545.196501787451	85.7939400455579	85.26990260401548
37	25	187997	-347814.1413	960037.3170250766	39.50528774251407	-102.0292032	239548.45740242332	4377233.474720175	3865.68924802478	3362.9732268774667	3541.2277820324765	3541.02784419667	87.854444319016	88.0003267289776
38	25	187998	-346521.1413	960037.3170250766	39.50531175569336	-102.0268657	239749.56377992927	4377229.783478299	3859.859179602267	3362.7688277082171	3536.286195825785	3536.4735794301127	91.2520428	91.2520428
39	25	187999	-345861.1413	960037.3170250766	39.50533516	-102.0245281	239950.66989966467	4377225.210560498	3848.590575901946	3362.801925819874	3531.052948473485	3531.3075154911826	95.2300698152803	95.2300698152803
40	25	188000	-345201.1413	960037.3170250766	39.5053580622351	-102.0221906	240151.17576184326	4377221.055095088	3846.882092635088	3362.8855753465054	3528.474552652575	3525.413049963364	99.4771734501502	99.4771734501502
41	25	188001	-344641.1413	960037.3170250766	39.5053824382322	-102.019853	240352.36156684562	4377216.856870758	3845.173820710568	3362.848968675274	3519.353638	3518.8988774705847	104.1022693952681	104.1022693952681
42	25	188002	-343881.1413	960037.3170250766	39.5054055625891	-102.017515	240553.9847143018	4377212.827197285	3843.465143170754	3362.877334421755	3518.271027493658	3517.97204543382	103.8167654281138	104.1170588930543
43	25	188003	-343221.1413	960037.3170250766	39.50542946353283	-102.015178	240755.0918050074	4377208.698339624	3842.9635895799794	3362.80015979794	3520.3397704714107	3520.3397704714107	103.8167654281138	104.1170588930543
44	25	188004	-342561.1413	960037.3170250766	39.505452925705185	-102.0128404	240956.1963874433	4377204.56997579	3843.67075817409487	3361.2875051369497	3521.9644478051951	3522.3004987914783	97.3230573175417	97.3230573175417
45	25	188005	-341901.1413	960037.3170250766	39.50547634269476	-102.0105029	241157.30112460587	4377200.441	3844.376170811733903	3361.8861711733903	3523.22457414926	3523.6017403035563	94.28430783827935	94.28430783827935
46	25	188006	-341241.1413	960037.3170250766	39.50549917453196	-102.0081653	241358.40553750578	4377196.313	3845.08243475084	3361.48419865314	3523.747937431213	3524.138605605302	92.34514298017	92.34514298017
47	25	188007	-340581.1413	960037.3170250766	39.50552304	-102.0058278	241559.599	4377192.180568113	3845.38179664259	3361.059477625438	3523.3502532300042	3522.4027668436	91.729423924408	91.729423924408
48	25	188008	-339921.1413	960037.3170250766	39.5055463274093	-102.0034902	241760.6134154372	4377188.057284895	3845.274712634407	3361.671324063987	3522.718778262536	3521.592575783297	90.9525457814313	92.078762876098
49	25	188009	-339261.1413	960037.3170250766	39.50556955912857	-102.0011527	241961.7169648091	4377183.9297214492	3845.1676281756	3361.260649089334	3521.8901601739717	3521.89016032294106	90.97048892	91.7677128592483
50	25	188010	-338601.1413	960037.3170250766	39.50559275035564	-101.9988151	242162.8206273268	4377179.327273273	3845.0605404618712	3361.849708402753	3520.879406001591	3519.210407137018	91.897032124011692	91.897032124011692
51	25	188011	-337941.1413	960037.3170250766	39.5056158864306	-101.9964776	242363.9230527571	4377175.67524015	3845.0638534534717	3360.942750218179	3519.5704128225125	3519.906569103685	89.872373956636	89.872373956636
52	25	188012	-337281.1413	960037.3170250766	39.505639	-101.99414	242565.02609772313	4377171.58322786	3841.345601118457	3360.045639703713	3518.054546879364	3518.054546879364	88.923212586678	88.923212586678
53	25	188013	-336621.1413	960037.3170250766	39.50566205	-101.9918024	242766.128622833	4377167.421621025	3838.904686014425	3360.661299298661	3516.233816020277	3516.233816020277	88.9507347816246	88.9507347816246
54	25	188014	-335961.1413	960037.3170250766	39.50568563737054	-101.989448	242967.2300316303	4377163.259134816	3836.45732484427	3360.265596957123	3514.19227992425	3514.19227992425	88.9250245756369	88.9250245756369
55	25	188015	-335301.1413	960037.3170250766	39.50570924309075	-101.987123	243168.3456622336	4377159.545692624	3835.9415450494758	3360.1545049494758	3513.703518318857	3513.703518318857	94.520662056571	94.520662056571
56	25	188016	-334641.1413	960037.3170250766	39.5057304951102	-101.9847898	243369.4346955054	4377155.04209026	3832.94257459589	3360.02395666786	3509.887730535861	3511.515187582096	92.6502083011077	91.0216471
57	25	188017	-333981.1413	960037.3170250766	39.5057538466887	-101.9824522	243570.53621076923	4377150.916986432	3830.946702275816	3360.116290386179	3509.990536624949	3509.06162718534	93.1718532792906	92.1566122344408
58	25	188018	-333321.1413	960037.3170250766	39.5057765467341	-101.9801146	243771.63747198126	4377146.791345364	3829.87487705777	3509.781302050375	3505.893722542928	3506.300582479362	93.887950080395	93.887950080395
59	25	188019	-332661.1413	960037.3170250766	39.50579944	-101.9777771	243972.7349754097	4377142.66583607	3828.866895195968	3360.3480903491636	3504.0258432510536	3503.56449252363	94.8367698810995	94.8367698810995
60	25	188020	-332001.1413	960037.3170250766	39.50582218	-101.9754395	244173.8393236545	4377138.40473767	3828.347956693933	3360.070384566975	3502.547755628270	3500.828937916591	94.460093382725	96.17487550160327
61	25	188021	-331341.1413	960037.3170250766	39.50584487896938	-101.9731918	244374.83973452883	4377134.15768224	3827.9026181989165	3359.98100111983	3501.437398	3499.35694074759	94.708951684614	94.708951684614
62	25	188022	-330681.1413	960037.3170250766	39.50586723161884	-101.9707544	244575.0398923698	4377130.291004718	3827.4477697274	3504.2094420375894	3500.3901725819824	3500.3901725819824	94.520662056571	94.520662056571
63	25	188023	-330021.1413	960037.3170250766	39.50589012740116	-101.9684288	244777.1397771381	4377128.164657263	3825.251583794514	3502.8032015852446	3499.6914018796764	3499.6914018796764	93.87118004972681	93.87118004972681
64	25	188024	-329361.1413	960037.3170250766	39.5059126864878	-101.9660892	244978.2397177163	4377122.042126549	3821.4067310434484	3501.3937851454595	3499.0920388091517	3499.0920388091517	97.51544712321904	97.51544712321904
65	25	188025	-328701.1413	960037.3170250766	39.505935200420105	-101.9637516	245179.3380297163	4377117.91810052	3817.5582781074463	3500.880833820821	3498.583006970901	3498.583006970901	90.15058483514895	90.15058483514895
66	25	188026	-328041.1413	960037.3170250766	39.50595766919624	-101.9614141	245380.3846451042	4377113.79410817	3815.7098251714418	3500.88569125	3498.271751758197	3498.271751758197	97.6817053430908	97.6817053430908
67	25	188027	-327381.1413	960037.3170250766	39.505980062582581	-101.9590768	245581.5334723706	4377109.40267144	3810.537684107583	3500.6712228915795	3497.633906328858	3491.055030381953	96.2751636271754	96.2751636271754
68	25	188028	-326721.1413	960037.3170250766	39.506002471228036	-101.9567389	245782.636712339	4377105.545692624	3808.9415450494758	3500.1545049494758	3499.20521287146	3499.20521287146	94.520662056571	94.520662056571
69	25	188029	-326061.1413	960037.3170250766	39.506024064518015	-101.9544013	245983.7346459054	4377101.47321555	3806.53242211663	3504.368498080692	3498.724085804293	3498.724085804293	96.0149104311599	93.63390343102893
70	25	188030	-325401.1413	960037.3170250766	39.50604709278395	-101.9520637	246184.832805887	4377097.30064286	3803.05003659592	3502.963485539958	3493.340225309022	3489.943040880122	93.0200245863905	93.0200245863905
71	25	188031	-324741.1413	960037.3170250766	39.50606933579634	-101.9497262	246385.93066039234	4377093.17841925	3801.146861	3502.975783830987	3490.747602188766	3487.5475089674713	93.0626151932273	93.0626151932273
72	25	188032	-324081.1413	960037.3170250766	39.506091533655216	-101.9473886	246587.0288592241	4377089.05234454	3799.8326404096976	3504.8498202897391	3487.8235848336126	3484.9498019717062	92.36581615	95.2393519156835
73	25	188033	-323421.1413	960037.3170250766	39.5061138663604	-101.945051	246788.1260672845	4377083.93242397	3798.52564832155	3508.781042039513	3484.71648089447	3482.708305266234	90.63023614843	90.63023614843
74	25	188034	-322761.1413	960037.3170250766	39.50613579393038	-101.9427134	246989.223947479	4377080.516663707	3797.21042063463	3507.436731944844	3481.563711536222	3480.4025652671853	97.033205652407	97.033205652407
75	25	188035	-322101.1413	960037.3170250766	39.50615745420968	-101.940372	247189.3154682968	4377076.15459281	3795.931454545175	3506.378754545175	3478.176489	3478.176489	94.520662056571	94.520662056571
76	25	188036	-321441.1413	960037.3170250766	39.5061797365516	-101.9380382	247391.4717088392	4377072.506667024	3794.70143678035	3505.74367035	3475.5919125657487	3475.5919125657487	99.050924123247	99.050924123247
77	25	188037	-320781.1413	960037.3170250766	39.50620184565559	-1								

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBotKrg.ft	SatThKrg.ft	SatThBot.ft
159	185	18119	-266661.1413	960037.3170250766	35.0784989846294	-171.7440135	264081.59385653453	4376731.2122196731	3664.842092018182	3464.651340698414	3335.6018669150394	3360.747908290037	3294.4674738337465	103.90343208387728
160	185	18210	-266601.1413	960037.3170250766	35.07868119161095	-171.741678	264282.6740053633	4376727.10835901	3662.819677413367	3463.294226295946	3334.6287631649174	3361.705418819097	328.66544513102917	101.5880904403696
161	185	18211	-266581.1413	960037.3170250766	35.0788624639318	-171.738319	264483.7466276317	4376723.905676354	3661.344438	3461.546293865528	3333.729707265732	3364.708324064474	328.1787732804697	98.56917348846172
162	185	18212	-266461.1413	960037.3170250766	35.07904432068216	-171.737004	264684.8266072311	4376711.981078766	3660.835427418793	3460.0371671685334	3331.70548603542635	3372.877615635462	95.25471354550584	95.25471354550584
163	185	18213	-266401.1413	960037.3170250766	35.0792252078615	-171.7346627	264885.989358466	4376714.79679413	3656.095467959573	3459.269490012162	3331.5767143157154	3372.6761683342465	92.69278469644678	91.65881567147317
164	185	18214	-266361.1413	960037.3170250766	35.0794056	-171.732325	265086.97387966746	4376709.95792545	3652.650047699237	3457.9435437717645	3330.2378188664206	3370.6028251326375	87.57531864642904	87.57531864642904
165	185	18215	-262701.1413	960037.3170250766	35.07958562750716	-171.7299873	265288.40916804767	4376706.393310635	3649.2405188923676	3456.063666992437	3328.5822557314377	3372.6726669947991	82.14041109642873	83.95377042829495
166	185	18216	-262041.1413	960037.3170250766	35.0797651589725	-171.7276496	265489.12424409363	4376702.49086131	3645.83099087682	3455.3178234395286	3326.60166899336	3372.02278652274	78.12611444619283	88.29504077425493
167	185	18217	-261381.1413	960037.3170250766	35.0799462409595	-171.7253119	265690.199501591	4376700.398	3643.01536295847	3454.0174686153526	3324.033967630967	3362.260447386133	75.9836989845969	91.75708225449872
168	185	18218	-260721.1413	960037.3170250766	35.08012267018644	-171.722742	265891.273443039	4376694.2884907	3637.757937613562	3452.75266933425	3321.243738729124	3354.053495341562	73.1482905951245	86.66172309068278
169	185	18219	-260061.1413	960037.3170250766	35.0803014703434	-171.7206385	266092.3480074474	4376691.851107145	3633.571073127676	3451.444270068013	3318.06445725266	3348.359135680162	70.3371813430868	104.75291317685106
170	185	18220	-259401.1413	960037.3170250766	35.08048747741092	-171.7182897	266293.421379964	4376686.083571231	3629.35047448992	3449.1502798156415	3314.8644674643147	3340.050376	65.330844090210025	110.12253620195484
171	185	18221	-258741.1413	960037.3170250766	35.0806505487102	-171.715961	266494.4960415575	4376682.882255424	3626.111232	3448.910895663906	3311.7120969927046	3334.3274523972614	61.7898867121098	114.58353236665419
172	185	18222	-258081.1413	960037.3170250766	35.08083827173736	-171.7136233	266695.5697129359	4376677.881154525	3623.850562159725	3447.657770324071	3309.0523268905117	3328.892470240751	58.68560420318998	116.7654005295673
173	185	18223	-257421.1413	960037.3170250766	35.08109294319095	-171.711296	266896.6431541383	4376673.76206291	3621.59887138987	3446.4115441076284	3306.7269942448296	3325.5570887881	55.68971680279683	122.258840159945573
174	185	18224	-256761.1413	960037.3170250766	35.0813512698194	-171.7089479	267097.71636537043	4376669.97896206	3619.342693780138	3445.172552623256	3304.55075155907	3319.9753034931946	52.971074094184	125.1972490913098
175	185	18225	-256101.1413	960037.3170250766	35.0813606313734	-171.7068102	267298.7892463651	4376665.59139173	3615.11084719427	3443.3374074904673	3302.799638967663	3316.738519118321	49.1338019789699	127.19892797633611
176	185	18226	-255441.1413	960037.3170250766	35.081535481022	-171.7047275	267499.8620987413	4376661.47898615	3608.90343165382	3442.700695185871	3301.203894171105	3307.250586617214	45.1021757534748208	130.7158291037328
177	185	18227	-254781.1413	960037.3170250766	35.08170132132516	-171.7019347	267700.9346212949	4376667.378699121	3602.6982091517	3441.476706268446	3299.620587838515	3309.2934581569307	41.81464748459484	132.2331481115567
178	185	18228	-254121.1413	960037.3170250766	35.0818843283255	-171.699597	267902.0069147007	4376663.279	3596.488307657652	3440.2487365571257	3298.064217188506	3303.96233278227	38.15464646412506	134.58353236665419
179	185	18229	-253461.1413	960037.3170250766	35.0820579888336	-171.6972593	268103.0789916547	4376649.17945707	3594.5284625623033	3439.045256343934	3296.292536438904	3305.495613332461	34.72526559366393	136.58069097071036
180	185	18230	-252801.1413	960037.3170250766	35.0822311925263	-171.6948216	268304.15801469296	4376645.806073973	3592.816289585714	3437.80341477444	3294.2819192364013	3299.4973203746146	32.5514555104244	138.3064150282919
181	185	18231	-252141.1413	960037.3170250766	35.0824067294819	-171.6921633	268504.672202952	4376641.989084473	3588.42971172428107	3436.58779354574	3292.8895541682	3297.7854921772	30.71284911041025	140.951180651049264
182	185	18232	-251481.1413	960037.3170250766	35.08257620537635	-171.6902461	268706.293900675	4376636.819504405	3573.39732818075	3435.367523585704	3289.68399623376	3288.8581624905	28.65832703205438	146.4811419612256
183	185	18233	-250821.1413	960037.3170250766	35.082748110693	-171.6879084	268907.3649517243	4376632.71055858	3568.13760544078	3434.151214998674	3286.971373617415	3286.5801484245	27.14773438802675	147.5710360104675
184	185	18234	-250161.1413	960037.3170250766	35.0829195251845	-171.6855707	269108.4358745685	4376628.646832761	3556.3286471272513	3432.935006705808	3283.762957510206	3280.2471356578505	25.102170214795758	150.710271049758
185	185	18235	-249501.1413	960037.3170250766	35.08309300777213	-171.6832329	269309.5066	4376624.586934301	3553.181974555265	3431.781974555265	3280.29630574723	3277.44185094958	23.15218688305416	152.4761686009284
186	185	18236	-248841.1413	960037.3170250766	35.0832637687996	-171.6808952	269510.573703433	4376620.488278679	3550.710731293966	3430.500101866098	3276.642896430715	3275.2605445242014	21.53572653436627	155.23964484289643
187	185	18237	-248181.1413	960037.3170250766	35.0834310298494	-171.6785978	269711.5472778874	4376617.698987247	3548.427172428107	3429.289561177208	3272.8895541682	3273.478056696778	19.381168551049264	158.190168551049264
188	185	18238	-247521.1413	960037.3170250766	35.0836005265998	-171.6762197	269912.129023939	4376612.729037402	3546.65078105957	3428.05787354574	3269.8547882790743	3268.918214905743	17.2025789236734	159.140134647071
189	185	18239	-246861.1413	960037.3170250766	35.0837987720809	-171.673882	270113.787703397	4376608.195201344	3544.91351	3426.8310163163173	3264.764132736302	3264.494735061164	16.0668355233852	162.3362812551315
190	185	18240	-246201.1413	960037.3170250766	35.0839334667218	-171.6715443	270314.8566370083	4376604.098043434	3543.156472	3425.6019107301204	3260.639042136294	3259.542573819628	14.66286623914948	164.95806291049247
191	185	18241	-245541.1413	960037.3170250766	35.0841067907829	-171.6692065	270515.926	4376600.001	3547.134857624948	3424.360001513454	3256.67812895582	3260.10610927242	16.692247255765	169.55844922410324
192	185	18242	-244881.1413	960037.3170250766	35.08427450126355	-171.666868	270716.99507718097	4376605.94208723	3536.84870619915	3423.396031686754	3253.28045030959	3252.744566	15.4218955681590746	170.3913472028358
193	185	18243	-244221.1413	960037.3170250766	35.0844441811633	-171.6645311	270918.0639589777	4376591.80716492	3536.552561898225	3421.303468289929	3250.77170268336	3253.622357055433	14.311413891497514	168.0834891705553
194	185	18244	-243561.1413	960037.3170250766	35.0846182794819	-171.6621933	271119.13281312107	4376587.711235202	3516.276413748554	3420.67779354574	3248.974573054574	3247.7284921772	13.70301745410325	169.11300468526
195	185	18245	-242901.1413	960037.3170250766	35.0847757162192	-171.6598556	271300.2014251575	4376583.615070245	3511.15894904624	3419.45137977626	3247.46027	3247.3839586457043	13.1911102027604	167.414229251516
196	185	18246	-242241.1413	960037.3170250766	35.0849411513474	-171.6575179	271521.269246467	4376575.91191914	3511.212843324015	3418.22510673471	3245.898081	3245.784625562997	12.37025601721	168.444411808613
197	185	18247	-241581.1413	960037.3170250766	35.0851066849814	-171.6551801	271722.3272251835	4376575.423	3511.265846	3416.996823291024	3244.3697385863056	3253.653680199935	12.62888470579674	163.3440935020886
198	185	18248	-240921.1413	960037.3170250766	35.08527176693924	-171.6528424	271923.4047889637	4376571.328	3511.318840147713	3415.71946609964	3242.947041652709	3246.48912923214	12.8249045696854	168.282727738004
199	185	18249	-240261.1413	960037.3170250766	35.0854383973476	-171.6505046	272124.4725077298	4376567.233	3508.2548481969292	3414.534393901289	3241.801218135518	3242.7322116577103	12.724322116577103	172.0426021759183
200	185	18250	-239601.1413	960037.3170250766	35.08560057611728	-171.6481689	272325.598119729	4376563.17463196	3505.07347030823	3413.308697930733	3240.7340759563954	3242.2995387130886	12.5746219723378	171.0091592160455
201	185	18251	-238941.1413	960037.3170250766	35.0857683163679	-171.6458216	272527.004707596	4376559.478	3502.943625400836	3412.1854217589434	3239.79253810243	3241.79253810243	12.47253810243	172.0426021759183
202	185	18252	-238281.1413	960037.3170250766	35.0859352791544	-171.6434914	272727.6738473376	4376554.947919814	3500.71067748526	3410.81959777098	3239.44052397483	3240.30044681905	12.4044443296796	169.4505295651736
203	185													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBotKrg.ft	SatHtLogKrg.ft	SatHtBotHt.ft
285	285245	-183501.1413	960037.3170250766	39.50979052090968	-101.4494551	289415.4617055006	4376215.837788257	3441.0439703755806	3217.5448185312982	3160.933273625721	3165.7016760493565	3110.5142905057715	105.84314603773328	
286	285246	-182841.1413	960037.3170250766	39.50963055059692	-101.4471173	289616.5104623435	4376211.76114205	3437.446867670374	3269.853679792704	3157.8993706000006	3165.078652986873	311.9548719261342	104.77892593401675	
287	285247	-182181.1413	960037.3170250766	39.50981554046686	-101.4447794	289817.5599126525	4376207.684843989	3438.41707665815372	3258.193094364733	3158.748978723407	3164.207774806793	312.44483714489891	103.8870463160321	
288	285248	-181521.1413	960037.3170250766	39.509829798713546	-101.4424416	290018.60165463017	4376203.608405574	3434.95495700760784	3266.5618678309725	3153.900120724579	3162.95018285913	311.47174710639365	101.6116964851375	
289	285249	-180861.1413	960037.3170250766	39.5098043865912654	-101.4401038	290219.6555937062	4376199.523760193	3434.49218412119693	3264.954713385119	3149.9279906822303	3158.876387267158	315.0262720288849	105.6302617781123	
290	285250	-180201.1413	960037.3170250766	39.509852401401818	-101.437776	290420.3505201306	4376195.4565542015	3434.02963819612663	3263.369332395424	3148.28926661056	3156.7382125664	315.0800654343671	105.0789273287854	
291	285251	-179541.1413	960037.3170250766	39.50896505	-101.4354281	290621.7512504294	4376191.3809409284	3432.857035026863	3261.8028214352245	3146.920982832776	3158.876387267158	315.0262720288849	105.6302617781123	
292	285252	-178881.1413	960037.3170250766	39.50897371165955	-101.4330903	290822.79877015663	4376187.30558117	3430.7943585854194	3260.253492092248	3145.060066	3156.4541936601715	315.0800654343671	105.0789273287854	
293	285253	-178221.1413	960037.3170250766	39.50896505296987	-101.4307259	291023.8466944037	4376183.230387472	3428.201663964155	3258.872008194733	3143.950787006663	3155.525781168936	314.7692942966402	103.987034574918	
294	285254	-177561.1413	960037.3170250766	39.50909170256762	-101.4284146	291224.89319375544	4376178.15541717	3427.20896342892	3257.2008546837903	3142.428197933168	3150.851265284444	314.727655052214	106.5459393	
295	285255	-176901.1413	960037.3170250766	39.5091383028014	-101.4260768	291425.94090727857	4376175.080676321	3426.182953224774	3255.694568595828	3142.4783547450653	3148.0871832318865	313.215732171177	106.7883853394158	
296	285256	-176241.1413	960037.3170250766	39.5092591283184	-101.42379	291626.986	4376171.006	3426.0324616929115	3254.20047	3141.886384735673	3147.7068481612914	312.301816425737	106.4932619549596	
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298	285258	-174921.1413	960037.3170250766	39.5094949425234	-101.4190633	292029.079860305	4376162.857700396	3425.7189145737802	3251.24858055173	3140.08278211862117	3144.323407966559	311.16579383755031	106.91917252700392	
299	285259	-174261.1413	960037.3170250766	39.50969189952111	-101.4167259	292220.1256651427	4376158.784	3425.3521155851076	3249.791756988165	3138.424960256034	3142.5459634620835	310.9673507321061	107.24218107788151	
300	285260	-173601.1413	960037.3170250766	39.50970737142888	-101.4147718	292421.1715479674	4376154.701124498	3424.7752911672323	3248.384152594045	3138.09798	3140.7359567248124	310.2502028034055	107.1457311551255	
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303	285263	-171621.1413	960037.3170250766	39.510009226418573	-101.4073741	293034.307906994	4376142.48033653	3422.2681347044983	3244.1056272291114	3134.5105203974836	3139.42003980249	309.5951518316784	108.606482486226	
304	285264	-170961.1413	960037.3170250766	39.51002094748916	-101.4050363	293235.353032376	4376138.417537332	3422.7346089193	3242.7346089193	3133.2942482502753	3139.42003980249	309.5951518316784	108.606482486226	
305	285265	-170301.1413	960037.3170250766	39.510023623551474	-101.4028984	293436.3970276426	4376134.34492794	3418.077519334069	3241.358809689621	3132.463591672958	3138.458781044896	309.8948540276229	110.019227559193	
306	285266	-169641.1413	960037.3170250766	39.510044254452605	-101.400306	293637.442564438	4376130.72529545	3418.077519334069	3240.01058882102	3131.0241019357444	3147.48195904474	309.8948540276229	110.019227559193	
307	285267	-168981.1413	960037.3170250766	39.510101244	-101.3983895	293844.7496352345	4376127.17116534	3418.077519334069	3239.0057621376313	3129.0057621376313	3147.48195904474	309.8948540276229	110.019227559193	
308	285268	-168321.1413	960037.3170250766	39.51006738093132	-101.3956489	294039.5313	4376122.128	3418.077519334069	3238.2687670503	3128.1979118721424	3121.802541659569	309.1649757950784	114.9583457495104	
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310	285270	-167001.1413	960037.3170250766	39.51009032664513	-101.3910092	294441.6192	4376113.980572402	3410.5417622880842	3234.770818818729	3125.344921826956	3121.4986147211567	309.4215969917723	113.72220410562719	
311	285271	-166341.1413	960037.3170250766	39.51010171738016	-101.3886714	294642.6628319056	4376109.913736704	3410.092883744024	3233.486547423238	3124.007554	3121.288936716236	312.91877108995674	113.72220410562719	
312	285272	-165681.1413	960037.3170250766	39.510113309175387	-101.3863336	294843.70628739265	4376105.842618902	3410.092883744024	3232.204527160476	3122.66821987703	3120.841940362937	309.5356017277356	113.72220410562719	
313	285273	-165021.1413	960037.3170250766	39.5101243573484	-101.3840738	295045.69624911506	4376101.37414963	3408.71245239018	3221.7810375044	3117.874178423205	3117.874178423205	309.5356017277356	113.72220410562719	
314	285274	-164361.1413	960037.3170250766	39.510135672137374	-101.3816753	295245.781932519625	4376101.70102689	3407.281932519625	3220.6314587518	3116.98549076429	3117.874178423205	309.5356017277356	113.72220410562719	
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317	285277	-162381.1413	960037.3170250766	39.51016921420239	-101.3746443	295849.9205170317	4376081.409239611	3404.241567103356	3225.718853146008	3117.108904847391	3115.461249152037	309.6092467660402	110.135432000814	
318	285278	-161721.1413	960037.3170250766	39.5101803203793	-101.3723065	296049.9627611215	4376081.42	3404.241567103356	3224.420892108003	3116.1352646021867	3116.367863062072	309.6092467660402	110.135432000814	
319	285279	-161061.1413	960037.3170250766	39.51019134075919	-101.3699986	296251.0404805025	4376077.50782731	3399.606149536321	3223.09017547055	3114.9747276	3117.0272058372504	309.6092467660402	110.135432000814	
320	285280	-160401.1413	960037.3170250766	39.5102023573484	-101.3676308	296462.0469411506	4376073.281374963	3398.71245239018	3221.7810375044	3113.874178423205	3117.874178423205	309.5356017277356	113.72220410562719	
321	285281	-159741.1413	960037.3170250766	39.5102132995277	-101.3652929	296653.0882934156	4376069.2180158	3397.8183659585	3220.478250451755	3112.778489269997	3110.2819789162609	309.6092467660402	110.135432000814	
322	285282	-159081.1413	960037.3170250766	39.510224027615416	-101.3629551	296854.1297382293	4376065.1439127	3396.9244704913	3219.1784976603103	3111.4293217662716	3108.959358735651	307.7491758940367	110.135432000814	
323	285283	-158421.1413	960037.3170250766	39.51023507813536	-101.3606172	297055.1708831964	4376061.943128	3396.3895044027	3217.888654739424	3109.941803024747	3108.959358735651	307.7491758940367	110.135432000814	
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325	285285	-157101.1413	960037.3170250766	39.51025666172509	-101.3559415	297457.2587775933	4376052.93376373	3396.039502494794	3215.3365627599283	3106.38454151607	3105.860593451958	309.9851983032113	109.2786221875794	
326	285286	-156441.1413	960037.3170250766	39.51026739943806	-101.3536307	297658.2935293302	4376048.8941089	3395.96434647721	3214.078567725215	3104.313952365091	3103.9271783207959	309.7446248766979	109.2786221875794	
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328	285288	-155121.1413	960037.3170250766	39.510289378038054	-101.348928	298060.3742273406	4376040.37379795	3395.824783704817	3211.5552781037504	3099.578721699738	3099.578721699738	309.7446248766979	109.2786221875794	
329	285289	-154461.1413	960037.3170250766	39.51029930169002	-101.3465901	298261.4142828684	4376036.366311654	3395.72370603262	3210.3508591928394	3096.94638121352	3096.94638121352	309.7446248766979		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR Elev.Kg.f	BR Elev.Kg.f	SurElev.Kg.f	SurElev.Kg.f
411	255	188371	-100341.1413	960037.3172025076	36.9511014177493806	-101.545839	31746.0444572414	4375703.8582365895	3262.779481143851	3101.2316919303683	3008.148732111194	3001.120489048919	308.2806902924887	90.11120225444938
412	255	188372	-96981.1413	960037.3172025076	36.95102102124284	-101.125459	314947.0687967923	4375699.508443482	3258.413853895957	3099.615972	3006.374481022874	3005.4094516698196	90.2414913937266	90.15655571840044
413	255	188373	-96901.1413	960037.3172025076	36.95102078	-101.150208	315148.0939379457	4375696.758893031	3267.869546448987	3097.664214480987	3007.644214480987	3005.3633987741051	90.351700357116	90.351700357116
414	255	188374	-96361.1413	960037.3172025076	36.95103457	-101.1478017	315349.1160073409	4375691.709	3264.03259928982	3096.378121074916	3002.923996970808	3006.5108419375024	90.339811104101	89.8629010698924
415	255	188375	-97701.1413	960037.3172025076	36.95104128	-101.145532	315550.1406962781	4375687.660341018	3246.013125423712	3094.7497293897814	3001.177125942931	3003.994396195603	90.37260344055021	90.7553319417855
416	255	188376	-97041.1413	960037.3172025076	36.9510479461152	-101.1431943	315751.1640494934	4375681.61372962	3093.123584230175	2999.392510746087	3003.741374761818	3003.741374761818	90.6808201	90.6808201
417	255	188377	-96381.1413	960037.3172025076	36.951056524511	-101.1408564	315952.1878338094	4375679.562682281	3240.064701311966	3091.4963364297865	2997.7487669484886	3001.252931929391	90.46554430985	90.24340459781451
418	255	188378	-96271.1413	960037.3172025076	36.951066113531557	-101.1389185	316153.2110826503	4375675.51451981	3237.91043924934	3089.8662283219173	2996.607597113156	3007.74974905663	90.2586312087147	89.4648749262413
419	255	188379	-95951.1413	960037.3172025076	36.95106766292526	-101.136874	316354.2502522945	4375672.588933479	3254.046389445893	3084.72112969185	2995.087402984037	3009.656976276315	90.3420627	88.86575877830709
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421	255	188381	-93741.1413	960037.3172025076	36.95108056264816	-101.1315048	316756.2797534143	4375663.369879192	3230.81578595733	3084.904142217068	2991.932544770006	2997.964128268825	90.247869487066	86.9796019528124
422	255	188382	-93081.1413	960037.3172025076	36.95108697476603	-101.1291689	316957.3022854307	4375659.232127447	3228.894941113114	3083.284318694324	2990.632657823236	2997.953957797959	90.2561613120825	86.23023291
423	255	188383	-92421.1413	960037.3172025076	36.95109332172073	-101.126829	317158.32463870395	4375652.74263315	3226.789814720016	3081.621612267337	2989.1620627794923	2995.687498788434	90.42595448784447	85.93433538
424	255	188384	-91761.1413	960037.3172025076	36.95109962351223	-101.1244911	317359.3468134429	4375651.22275659	3224.484360711852	3079.952064752984	2988.4765276689186	2993.393130200845	90.4786780639798	86.57129444521388
425	255	188385	-91011.1413	960037.3172025076	36.951105880140526	-101.1221532	317560.3868989474	4375647.18049978	3218.74707670867	3078.284805014678	2987.4578430163506	2994.63559476662	90.849250442736611	86.78492577830709
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428	255	188388	-89121.1413	960037.3172025076	36.9511234790404	-101.1151394	318163.437311347	4375635.040691214	3216.722792707073	3073.237761836957	2983.4495738467417	2983.599205440767	90.052233095397	85.6347532
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432	255	188392	-86491.1413	960037.3172025076	36.95113448196782	-101.1057876	318967.51708084683	4375618.567262974	3210.226627738195	3066.45442620587	2977.889230575716	2977.834594	90.08651177468506	85.01855461939386
433	255	188393	-85831.1413	960037.3172025076	36.9511346979362	-101.1029824	319168.53497884519	4375614.812057172	3208.11597290565	3064.453073661771	2976.9330619925	2976.9330619925	90.083670611304	85.0151257147245
434	255	188394	-85161.1413	960037.3172025076	36.95113501754897	-101.101112	319369.5587865193	4375610.76624892	3206.803696967134	3063.111220001176	2974.277301923626	2974.277301923626	90.08331918008701	85.0151257147245
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437	255	188397	-83181.1413	960037.3172025076	36.951137473984574	-101.0940982	319972.6189317207	4375602.627628	3199.6521855660874	3057.78500378321	2969.78500378321	2969.78500378321	90.0849058672566	85.0151257147245
438	255	188398	-82521.1413	960037.3172025076	36.95113810645131	-101.0917603	320173.6386285113	4375594.588004473	3197.530833601817	3056.64297861942	2968.78121545032	2968.78121545032	90.0849058672566	85.0151257147245
439	255	188399	-81861.1413	960037.3172025076	36.95113830730362	-101.0894224	320374.688973085	4375590.54445934	3196.211597963042	3055.60198113268	2968.084367765294	2968.084367765294	90.0849058672566	85.0151257147245
440	255	188400	-81201.1413	960037.3172025076	36.95113850772325	-101.087045	320575.674959797	4375596.00614002	3192.69240118027	3054.453073661771	2967.9330619925	2967.9330619925	90.0849058672566	85.0151257147245
441	255	188401	-80541.1413	960037.3172025076	36.9511388337775	-101.0847466	320776.6966705515	4375582.458969677	3190.176995858035	3051.35960748845	2966.9206951018285	2966.9206951018285	90.0849058672566	85.0151257147245
442	255	188402	-79881.1413	960037.3172025076	36.95113920338281	-101.0824087	320977.756632977	4375578.413577941	3187.659698728364	3050.4333545732	2967.0187399186316	2967.0187399186316	90.0849058672566	85.0151257147245
443	255	188403	-79221.1413	960037.3172025076	36.95113910756284	-101.0800708	321178.7344848986	4375574.730378791	3186.343272304826	3048.9209499715837	2966.463271138324	2966.463271138324	90.0849058672566	85.0151257147245
444	255	188404	-78561.1413	960037.3172025076	36.95112161750536	-101.077328	321379.7313207693	4375572.779485453	3185.071729845543	3047.431122863803	2965.69383953229	2965.69383953229	90.0849058672566	85.0151257147245
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446	255	188406	-77241.1413	960037.3172025076	36.95112263941574	-101.073057	321781.789303779	4375562.94459534	3183.21672790565	3044.453073661771	2964.453073661771	2964.453073661771	90.0849058672566	85.0151257147245
447	255	188407	-76581.1413	960037.3172025076	36.95112269964867	-101.0707191	321982.808	4375558.199707878	3182.365460813276	3042.956493272466	2963.82053193378	2963.82053193378	90.0849058672566	85.0151257147245
448	255	188408	-75921.1413	960037.3172025076	36.951123731752013	-101.068312	322183.825980487	4375554.15751532	3181.800635279693	3041.536456427016	2963.0520900119708	2963.0520900119708	90.0849058672566	85.0151257147245
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451	255	188411	-73941.1413	960037.3172025076	36.9511252070153684	-101.0613674	322786.87789569054	4375542.0343766	3175.11769924017	3037.218484271923	2961.938266971287	2961.938266971287	90.0849058672566	85.0151257147245
452	255	188412	-73281.1413	960037.3172025076	36.951125737371053	-101.0590295	322987.8965405707	4375537.95114508	3170.85301639455	3035.76783474252	2961.7491137205673	2961.7491137205673	90.0849058672566	85.0151257147245
453	255	188413	-72621.1413	960037.3172025076	36.951126262941574	-101.056745	323189.931414773	4375533.12513831	3169.4196314827	3034.72155113831	2961.4196314827	2961.4196314827	90.0849058672566	85.0151257147245
454	255	188414	-71961.1413	960037.3172025076	36.951126767371053	-101.0543537	323395.909216331	4375528.354507302	3168.3245657032	3032.974567165458	2960.944362003079	2960.944362003079	90.0849058672566	85.0151257147245
455	255	188415	-71301.1413	960037.3172025076	36.951127258	-101.0520158								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtBoth.ft
532	188497	-17181.14133	960037.3170250766	39.51152082743967	-100.8603056	400704.75366386334	4735195.257659976	3034.759038957669	305.0112261013425	2853.204488738945	2855.7829339397	52.606737362397325	50.02829270754546
538	188498	-16521.14133	960037.3170250766	39.511521960569434	-100.8578677	400274.7567329891	4735191.234814276	3033.309907	2904.501173768579	2881.1908746	2854.17102437269	52.59239157161892	50.384111757
539	188499	-15981.14133	960037.3170250766	39.51152239	-100.8566297	340475.7591274754	4735187.211784364	3033.77444657901	2933.1882754141486	2860.64667898339	2852.29496989339	52.52357917599993	50.38031855616114
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541	188501	-14541.14133	960037.3170250766	39.511522618897405	-100.8509638	340877.765318092	4735179.167	3033.55860798637	2900.5527816938935	2848.436217486913	2849.9043673801256	52.11656419687965	50.6482141373666
542	188502	-13881.14133	960037.3170250766	39.51152614147575	-100.8486159	341078.76621761852	4735175.144655168	3033.94406866073	2899.2300641342871	2847.8135368247963	2846.8215745224083	51.917696088542	52.407733981273998
543	188503	-13221.14133	960037.3170250766	39.51152706875076	-100.846278	341279.77025927964	4735171.122882173	3033.6846421961814	2897.901486510411	2847.2374521296333	2845.85160392377	50.66399738	52.24589811803424
544	188504	-12561.14133	960037.3170250766	39.51152795090251	-100.8439401	341729.77025021079	4735172.108811106	3032.777581	2896.569589441274	2846.9285119245096	2844.7571020088647	49.6410741668339	51.15245693702921
545	188505	-11961.14133	960037.3170250766	39.51152878783646	-100.8416021	341695.7746911993	4735163.079498373	3031.8719501	2895.2348497641383	2846.1793037618794	2844.2043682115785	49.95581214536187	51.69321155262683
546	188506	-11241.14133	960037.3170250766	39.51152957701774	-100.8392542	341892.7762980704	4735159.057001951	3030.96345974819	2893.896791556186	2846.711809479557	2842.73076022404	47.12430935081957	51.16671533082199
547	188507	-10581.14133	960037.3170250766	39.5115303635508	-100.8369263	342083.7784093505	4735150.36765939	3029.255492236884	2892.54059236884	2846.282046603881	2842.730763740083	46.2154653300317	52.4213238287585
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549	188509	-9261.141327	960037.3170250766	39.511531684169675	-100.8325054	342485.781553217	4735150.95912006	3028.843021959791	2889.843021959791	2843.88484691472	2834.9567585674	45.958703851913	51.848966412321706
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552	188512	-7281.141327	960037.3170250766	39.5115333216112	-100.8252366	343098.7850320186	4735134.03481109	3011.058101883027	2885.670031	2836.01424042827	2822.1633405236976	49.63808306	63.5086020797256
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554	188514	-5961.141327	960037.3170250766	39.51153438735047	-100.8205607	343490.786617154	4735126.9478049	2998.259303128288	2882.77480790134	2829.901433806507	2819.91675762474	52.0733400953305	63.51283131389636
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556	188516	-4641.141327	960037.3170250766	39.51153501385364	-100.8158848	343892.7875894734	4735118.85607303	2992.67688374137	2879.77083549542	2823.96107591677	2820.7901759746828	51.54097597976886	58.5840041035951
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558	188518	-3321.141327	960037.3170250766	39.51153558715505	-100.811209	344294.7879604427	4735110.818	2997.8996719798978	2876.63868065274	2820.107595019508	2820.474892172	56.5131084318224	56.5315984102054
559	188519	-2661.141327	960037.3170250766	39.51153586739355	-100.8088221	344495.779689368	4735108.183	2998.77449228217	2875.5113655093485	2820.54747473209	2819.91675762474	51.91812576915882	52.0733400953305
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562	188522	-681.1413269	960037.3170250766	39.51153610470906	-100.8018572	345098.7869	4735094.75122498	2998.826261360119	2870.376241876958	2820.1631870574483	2815.01253292646	62.01305481950958	55.3637044733334
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564	188524	639.856730733514	960037.3170250766	39.511536109364338	-100.7971814	345500.784625459	4735086.70983623	2976.805772557815	2867.2248349881706	2808.5425596241903	2813344439144089	58.6827253630803	53.7299468339306
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566	188526	1958.856730733514	960037.3170250766	39.5115361601515	-100.792505	345902.7834512924	4735076.7394007	2978.2053276405673	2871.456753628473	2809.529859240573	2811.929898958093	53.6394361111564	52.167733049
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568	188528	3278.856730733514	960037.3170250766	39.5115357318265	-100.7878296	346304.7880634866	4735064.67169941	2964.384074243887	2860.949262468677	2805.653769616287	2810.77977076166	55.3411568858304	50.215148371002
569	188529	3938.856730733514	960037.3170250766	39.51153530227126	-100.7854917	346505.779266358	4735066.623518358	2961.5459037364837	2859.452476780293	2804.46610288961	2805.642772028718	54.89874478841814	53.811770517557
570	188530	4598.85673073351	960037.3170250766	39.5115353021775	-100.7831537	346706.7775807185	4735062.60909446	2958.74329486575	2857.9218264	2803.023965089755	2805.4670896452958	54.989701741741	52.45447409999748
571	188531	5258.85673073351	960037.3170250766	39.5115346682944	-100.7808158	346907.7758	4735058.59291854	2954.622923396827	2856.397665347435	2801.7122605796397	2804.86457	54.6854046710374	51.5324985610074
572	188532	5918.85673073351	960037.3170250766	39.5115343147649	-100.7784779	347108.7737646878	4735054.57114575	2954.8417214573	2854.8110233338	2800.55474732079	2801.7586734756	54.58898147893154	46.3388295828708
573	188533	6578.85673073351	960037.3170250766	39.5115340786614	-100.7761389	347309.771634703	4735050.56111544	2944.629330366328	2853.37153766584	2799.528378532367	2802.47230040417	53.82092932577	50.898307265272455
574	188534	7238.85673073351	960037.3170250766	39.5115334139888	-100.773802	347510.7693570161	4735045.45080854	2938.311034678735	2851.686242738381	2798.8500033070856	2801.3788165739134	52.007301925944	50.4894261646766
575	188535	7898.85673073351	960037.3170250766	39.51153286904104	-100.7714641	347711.7668318305	4735033.1133877	2931.3030672795764	2798.2479783761	2800.18314523231	2802.1223842	50.1872175435252	50.1872175435252
576	188536	8558.85673073351	960037.3170250766	39.5115323329233	-100.7691261	347912.7643593515	4735035.815876121	2934.81529143371	2848.8758463362	2797.948605410873	2797.91008258107	51.3810048944373	49.86501174895186
577	188537	9218.85673073351	960037.3170250766	39.5115317248749	-100.7667882	348113.768378844	4735031.901078356	2934.783384930917	2847.33384930917	2796.182001725303	2797.010206900902	51.3810048944373	49.86501174895186
578	188538	9878.85673073351	960037.3170250766	39.51153107124563	-100.7644034	348314.787733344	4735030.468510033	2933.779118245177	2845.80291268938	2793.954791723145	2795.1794933841	51.8965686738305	50.7125401247665
579	188539	10538.85673073351	960037.3170250766	39.51153036739355	-100.7620922	348515.774144141	4735028.39038378	2932.8623983879	2844.7791390356683	2792.881390356683	2791.90035056683	51.8965686738305	50.7125401247665
580	188540	11198.85673073351	960037.3170250766	39.511529638877	-100.7597474	348714.752600907	4735022.458	2925.41624526668	2842.90364796263	2797.576414091913	2787.8885525799	52.327269274575	51.0167854828386
581	188541	11858.85673073351	960037.3170250766	39.511528839696	-100.7574364	348917.74929474626	4735018.4440466175	2924.6137264002346	2841.403774024814	2783.825327	2783.8006217388616	57.6784472197183	57.6035122894985
582	188542	12518.85673073351	960037.3170250766	39.511528058									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRfElevLogs.kft	BRfElevWt.kft	SatHtLogs.f	SatHtBoth.f
653	258623	65978.8586730335	960037.3170250766	39.51131045531276	-00.5657262	365399.020499992	4374890.019319926	4320.0286410932563	2643.347417846034	2647.715225253819	54.02516305126392	54.65735564347915		
654	258624	66636.8586730335	960037.3170250766	39.5113097177779	-00.5633383	365999.9855184144	437466.022993616	2826.9337245301884	2695.65312626878	2640.587415613288	56.093758851001968	56.07476256700755		
655	258625	67288.8586730335	960037.3170250766	39.51130931	-00.5614628	366909.978667221	4374682.02667221	3635.948525290182	2637.6013129458233	2638.2084115271553	56.35414985728492	57.73811291536127		
656	258626	67958.8586730335	960037.3170250766	39.5112967074703	-00.5587124	366001.955673272	437467.031	2822.743891704054	2692.252416458433	2633.911883977595	56.283789968	56.306034480869115	59.3724889441515	
657	258627	68618.8586730335	960037.3170250766	39.51129203423127	-00.5563745	366202.904	437467.043087677	2819.328160875546	2690.5712347925646	2630.338067	56.286861838774883	60.23316734502441	60.70505902	
658	258628	69278.8586730335	960037.3170250766	39.51128731605192	-00.5540366	366403.92531265144	437467.030294996	2816.326506884814	2626.5313232006576	2627.951132498592	56.31273678703415	60.9514359		
659	258629	69938.8586730335	960037.3170250766	39.511282552709034	-00.5516897	366604.909399813	437466.03291956	2807.460353107218	2622.464820786763	2622.464820786763	56.251152832713	62.0478223945175	62.0647823945175	
660	258630	70598.8586730335	960037.3170250766	39.51127744220256	-00.549307	366805.894439314	4374662.4875939	2801.81652539707	2685.6002045075793	2618.553277614168	56.271425447511227	64.048269341118	67.85772993035237	
661	258631	71258.8586730335	960037.3170250766	39.5112709592956	-00.5470228	367006.8788109353	437468.054	2793.838981671205	2683.946525290182	2615.18579887471	56.2814313294582275	68.7785431367115	69.64940736	
662	258632	71918.8586730335	960037.3170250766	39.511269169903	-00.5446849	367207.963054504	437465.0596653	2798.689822127373	2682.32247675444	2617.25873399375	56.2123120477577	69.60547430589715	70.02004289819262	
663	258633	72578.8586730335	960037.3170250766	39.51126304769945	-00.542347	367408.8472714558	437465.04633974	2793.614719556136	2680.709895768015	2611.4236457105053	56.21100833291563	69.6034336629619	69.7016518232842	
664	258634	73238.8586730335	960037.3170250766	39.5112580583488	-00.5400091	367609.8312609317	437466.070219379	2786.5002979997979	2679.09535485974	2611.886740473166	56.21875546476555	67.20879541255272	67.21989801	
665	258635	73898.8586730335	960037.3170250766	39.51125302421476	-00.5376711	367810.81521342602	437464.07610561	2782.50207391788	2677.4890651855503	2614.952076	56.23689843852032	62.82714913217433		
666	258636	74558.8586730335	960037.3170250766	39.51124794472713	-00.5353332	368011.798895327	437463.0802173	2775.4938104047685	2675.89185104087	2619.0273233917624	56.21907503280774	56.8645274912474	57.9267475288064	
667	258637	75218.8586730335	960037.3170250766	39.5112428007602	-00.5329953	368212.74284984712	437464.08857349	2774.87470091	2674.30406202046	2619.5215961625703	56.211624432543795	57.31290896767575	57.31290896767575	
668	258638	75878.8586730335	960037.3170250766	39.51123765025142	-00.5306574	368413.7659513683	437463.095039172	2771.4447673899933	2672.7270432666573	2626.1301030014315	56.22443504862767	58.59685025522254	48.27347403902925	
669	258639	76538.8586730335	960037.3170250766	39.51123245283375	-00.5283195	368614.749081319	437463.07172353	2757.8582717549816	2671.1569900543867	2627.958453232648	56.26598051091139	42.30115672	44.561547963247904	
670	258640	77198.8586730335	960037.3170250766	39.51122717514185	-00.5259816	368815.733896984	437462.109	2757.710603990497	2669.6013423890032	2628.0021775811083	56.2730050881272	43.59914607894795	42.3638417073097	
671	258641	77858.8586730335	960037.3170250766	39.5112218698368	-00.5236346	369016.715644084	437461.115639718	2757.562368173173	2668.0510232028017	2626.644213058873	56.2661915613613023	41.40800792619435	41.61158877077939	
672	258642	78518.8586730335	960037.3170250766	39.51121651936847	-00.5213057	369217.6986236861	437461.12389714	2757.4152684796845	2666.5169641619682	2624.4856565751537	56.26243780653257	40.27078067025455		
673	258643	79178.8586730335	960037.3170250766	39.51121112313964	-00.5189678	369418.6847177957	437461.13009093	2758.98350854874	2663.93650854874	2621.73326876027	56.26145897159643	43.2561758827149	43.4330210289194	
674	258644	79838.8586730335	960037.3170250766	39.51120562941364	-00.5166299	369619.642071951	437460.13895407	2757.923483901118	2663.48312342526	2617.699600645796	56.271618007130045	45.7359313	45.86518421543766	
675	258645	80498.8586730335	960037.3170250766	39.511196332799725	-00.5143492	369820.538925752	437460.146885752	2757.8700863849676	2663.732042438764	2615.95045866679	56.271618007130045	47.13682308347701	47.13682308347701	
676	258646	81158.8586730335	960037.3170250766	39.51119456560606	-00.5115641	370021.629103384	437459.155	2747.870260319837	2660.504055159035	2608.34370212876	56.2854867525175	55.16002245159164	55.160375851754	
677	258647	81818.8586730335	960037.3170250766	39.5111890895718	-00.5096162	370222.6116461343	437459.163213857	2746.9429062	2659.03976497696	2598.942241040203	56.299913848240505	60.0947366825928	59.8974854848907	
678	258648	82478.8586730335	960037.3170250766	39.511183468126376	-00.5072782	370423.5936789335	437459.171840086	2747.146284828013	2657.584668447223	2592.839783777193	56.29931304849196	64.744808052436	64.4506199	
679	258649	83138.8586730335	960037.3170250766	39.511177051147	-00.5049403	370624.575983932	437459.180678765	2746.822274000013	2656.1480518963667	2587.117078411254	56.28740117788302	60.0940705525134	68.7487081006469	
680	258650	83798.8586730335	960037.3170250766	39.5111720897386	-00.5026024	370825.5579665844	437458.192768925	2748.453080175216	2654.716714672972	2581.762476136423	56.28206302443957	72.9646389592333	72.66409246801231	
681	258651	84458.8586730335	960037.3170250766	39.511166332799725	-00.5002465	371023.538925752	437458.198895752	2747.8700863849676	2653.732042438764	2615.95045866679	56.271618007130045	73.6868697520033	73.6868697520033	
682	258652	85118.8586730335	960037.3170250766	39.5111625145491	-00.4975266	371227.5126145491	437458.198895752	2747.8700863849676	2653.732042438764	2615.95045866679	56.271618007130045	74.730120555727	74.730120555727	
683	258653	85778.8586730335	960037.3170250766	39.51115468331975	-00.4955887	371428.5031739748	437458.171314263	2743.6146959580683	2650.524935017178	2569.68013854349	56.28757991638947	76.36847436875	80.9515018642306	
684	258654	86438.8586730335	960037.3170250766	39.51114879100308	-00.4932508	371629.483947165	437458.1756228	2738.486706160824	2649.1524706656232	2567.158170475316	56.26649227651304	81.9943001903706	82.2299779831792	
685	258655	87098.8586730335	960037.3170250766	39.51114283541091	-00.4909129	371830.4662098674	437458.138214501	2738.315064351595	2647.786799081595	2565.1515761428986	56.26482254948674	82.6352372805227	82.96454422025473	
686	258656	87758.8586730335	960037.3170250766	39.5111367055484	-00.4885749	372031.4472739036	437458.24843219	2726.292574140801	2646.4081433216	2563.4976193271317	56.26310663796923	83.4141053036884	83.4141053036884	
687	258657	88418.8586730335	960037.3170250766	39.5111308427366	-00.486237	372232.428958345	437458.25896316	2726.770073000883	2645.085572733974	2561.9874711704045	56.2603269184205	83.0815560226692	83.5823039	
688	258658	89078.8586730335	960037.3170250766	39.5111274634754	-00.4839258	372433.403947165	437458.26987786	2724.275837167858	2644.7532126167858	2560.4919225746515	56.25936204712128	83.3512911420526	83.3512911420526	
689	258659	89738.8586730335	960037.3170250766	39.51111851406525	-00.4816512	372634.3902719706	437458.28069292	2724.452652530068	2643.620682068	2558.730424	56.25837547832714	83.3701608222055	84.0581060913151	
690	258660	90398.8586730335	960037.3170250766	39.5111124800104	-00.4792233	372835.3710274062	437458.29178612	2718.353598332216	2641.126251316394	2561.242057517676	56.25679102274285	84.6554159596336	84.4722935735084	
691	258661	91058.8586730335	960037.3170250766	39.51110627942933	-00.4768854	373036.3516612276	437458.303314439	2717.327868613245	2639.8289917416384	2558.730477163846	56.25487471076138	84.8907750527668	84.8907750527668	
692	258662	91718.8586730335	960037.3170250766	39.5111002569439	-00.4745475	373237.3322	437458.314717223	2716.254074029276	2638.541832921916	2553.194048922966	56.253106189698017	85.34779136922543	85.34779136922543	
693	258663	92378.8586730335	960037.3170250766	39.511093726796275	-00.4722096	373438.3125648594	437458.32604407	2716.845652330083	2637.2600513246266	2551.3769824349343	56.25123678216408	85.6228938032323	85.6228938032323	
694	258664	93038.8586730335	960037.3170250766	39.5110873872494	-00.4698717	373639.2925350685	437458.338439319	2715.700149592	2635.250250949526	2549.25889151524	56.2503685686458	86.72309238	86.72309238	
695	258665	93698.8586730335	960037.3170250766	39.5110819692626	-00.4675262	373840.273840262	437458.35062626	2714.5692717221173	2634.2096471033984	2547.1428117031084	56.24936971033984	86.8302149450055	86.8302149450055	
696	258666	94358.8586730335	960037.3170250766	39.51107455912373	-00.4651599	374039.2501333235	437458.363111912	2712.62512984433	2633.4102847376676	2545.06519915506	56.24784360604783	86.93042212198	86.93042212198	
697	258667	95018.8586730335	960037.3170250766	39.51106808	-00.462688	374242.2329217834	437458.37376338	2710.620872153004	26					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevLogs.kft	BRiElevBot.kft	SurfAtk4123	SurfAtkBoth.ft
256	188749	-332621.1413	960697.3170250766	35.507382293575006	-102.0011826	241965.85444159858	4377385.247321049	38459.9251026	35.1105106420404	3521.824665188209	3520.715264077196	38.194044123	90.2998423232018	
256	188750	-336601.1413	960697.3170250766	35.50740548539739	-101.998485	2421166.951513035	4377381.12	3843.41625403661	35.094501915782	3520.8061266266118	35.195835839035175	38.7859258247013	90.01580625	
51	256	188751	-332841.1413	960697.3170250766	35.50742903956969	-101.998454	242368.9602381333	4377376.9310044	35.08197674462046	35.18796648765857	35.183890961544066	38.172022488518044	89.80701368518044	
52	256	188752	-332781.1413	960697.3170250766	35.50745173358074	-101.9941698	242569.1628904383	3839.885315402675	35.06803269420934	35.120290909105295	35.1628471	38.6005360156393	89.8781505769333	
53	256	188753	-336621.1413	960697.3170250766	35.50747478994158	-101.9918321	242770.2652	3737368.782231199	35.3736136903412	35.05433515107475	35.162016336864366	35.163975157424014	89.2318716210368	
54	256	188754	-335961.1413	960697.3170250766	35.50748070114852	-101.9894945	242971.36724824546	3834.8635119780074	35.074575873944997	35.131947795304997	35.140376626749004	38.45376285276297	88.45376285276297	
55	256	188755	-335301.1413	960697.3170250766	35.50750270214556	-101.9871569	243172.4690545315	3837.7611963192246	35.072186666433686	35.11618015823785	35.134470978196188	38.4582091568373	89.2715686174882	
56	256	188756	-334641.1413	960697.3170250766	35.507543688100384	-101.9848193	243373.7056811737	3737356.39	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
57	256	188757	-333981.1413	960697.3170250766	35.50756656384523	-101.9824817	243574.7768794983	3737352.23	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
58	256	188758	-333321.1413	960697.3170250766	35.50758934343575	-101.980144	243775.72118854	3737346.10675138	35.072186666433686	35.11618015823785	35.134470978196188	38.4582091568373	89.2715686174882	
59	256	188759	-332661.1413	960697.3170250766	35.507611277882754	-101.9778064	243976.873693142	3737343.981	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
60	256	188760	-332001.1413	960697.3170250766	35.50763492	-101.9754688	244177.97422088414	3737338.85567048	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
61	256	188761	-331341.1413	960697.3170250766	35.50765761528317	-101.9731312	244379.0745958593	3737335.30829035	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
62	256	188762	-330681.1413	960697.3170250766	35.50768026525706	-101.9707935	244580.1745171607	3737331.605373549	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
63	256	188763	-330021.1413	960697.3170250766	35.50770287007662	-101.9684598	244781.2742859413	3737327.405879819	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
64	256	188764	-329361.1413	960697.3170250766	35.507725429741804	-101.9661183	244982.3738205074	3737323.35001884	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
65	256	188765	-328701.1413	960697.3170250766	35.50774794425259	-101.9637806	245183.473055778	3737319.21369661	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
66	256	188766	-328041.1413	960697.3170250766	35.507770437608895	-101.961443	245384.5720773013	3737315.1042989	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
67	256	188767	-327381.1413	960697.3170250766	35.507792837810726	-101.9591054	245585.6703862524	3737310.983561894	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
68	256	188768	-326721.1413	960697.3170250766	35.50781521668503	-101.9567767	245786.76934455967	3737306.98328358	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
69	256	188769	-326061.1413	960697.3170250766	35.50783755675001	-101.9544031	245987.8676007061	3737307.736	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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71	256	188771	-324741.1413	960697.3170250766	35.50788114057284	-101.9497549	246396.9449498287	3737285.494984287	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
72	256	188772	-324081.1413	960697.3170250766	35.507902481150065	-101.947412	246591.16086119202	3737290.36714152	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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77	256	188777	-320781.1413	960697.3170250766	35.50801459933354	-101.9357288	247596.6419534346	3737269.756	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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79	256	188779	-319461.1413	960697.3170250766	35.50805840617699	-101.9310536	247998.83647022536	3737261.513068352	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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81	256	188781	-318141.1413	960697.3170250766	35.50810235040078	-101.9263783	248401.0272569832	3737253.27156652	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
82	256	188782	-317481.1413	960697.3170250766	35.50812378279974	-101.924006	248602.1222996994	3737249.154086484	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
83	256	188783	-316821.1413	960697.3170250766	35.508145440001	-101.921703	248803.2168655406	3737245.03	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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87	256	188787	-314181.1413	960697.3170250766	35.50823183934753	-101.9123523	249607.5932541406	3737228.506216555	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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89	256	188789	-312861.1413	960697.3170250766	35.50827474608714	-101.907677	250009.7803074038	3737220.312	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
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91	256	188791	-311541.1413	960697.3170250766	35.508317814057284	-101.9030064	250413.058280402	3737212.9555144	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
92	256	188792	-310881.1413	960697.3170250766	35.50833876753017	-101.900664	250615.058280402	3737208.7956214	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
93	256	188793	-310221.1413	960697.3170250766	35.50836001770048	-101.8983263	250814.1500979134	3737204.83702508	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
94	256	188794	-309561.1413	960697.3170250766	35.5083812271482	-101.8959886	251015.2424135004	3737200.79184731	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
95	256	188795	-308901.1413	960697.3170250766	35.50840238257349	-101.893651	251216.3472855514	3737196.61019213	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
96	256	188796	-308241.1413	960697.3170250766	35.5084239727649	-101.8913133	251417.4262994734	3737192.48331949	35.081983819124252	35.10117094420232	36.12689227	38.45376285276297	89.2715686174882	
97	256	188797	-307581.1413	960697.3170250766	35.5084459833354	-101.8890								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	LatBothKgr.ft	SurfBothKgr.ft
175	188875	-25601.1413	960697.3170250766	39.5094886346987	-101.7066328	267302.8989334471	4778686.866817998	356.5068428818195	3442.993146224504	3301.944753235767	3315.673454535758	341.04393298673685	327.131969168074591	
176	188876	-25544.1413	960697.3170250766	39.50966535592085	-101.7024296	267503.9708798842	4778682.7663605049	361.36132150081854	3401.7621822058522	3300.1363379765344	3312.036516173055	341.62584426519784	328.7256660237771	
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178	188878	-25421.1413	960697.3170250766	39.50100123432096	-101.6926194	267906.1152446829	4778685.566050022	358.9524698609017	3439.308246437703	3296.5430710060613	3304.849394	342.744573726418	328.7256660237771	
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181	188881	-25214.1413	960697.3170250766	39.510053198821694	-101.6926061	268509.350750538	4778687.267236064	358.75627413483083	3435.655586404277	3289.808809396083	3293.7367591906723	345.8467854651185	341.91182721405545	
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183	188883	-25081.1413	960697.3170250766	39.5106876160163	-101.6875306	268911.472511411946	4778689.369945947	368.252386948616	3433.23257032044	3286.358484196701	3284.308880989544	347.83688614754285	348.923490236961	
184	188884	-25016.1413	960697.3170250766	39.51010475685318	-101.6859327	269112.542851468	4778690.9703453295	356.815745068913	3432.021988974885	3282.2802704339306	3282.2802704339306	349.6171814409327	348.923490236961	
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187	188887	-24818.1413	960697.3170250766	39.51015590845389	-101.6785794	269715.7538713155	4778693.78378165	358.164548	3428.3868138152883	3271.826363807384	3271.826363807384	356.5604715270089	356.7194871323237	
188	188888	-24752.1413	960697.3170250766	39.5101728666935	-101.6762416	269916.8233659137	4778694.577498215	355.159227338303	3427.171588536983	3268.01910928751	3267.260107579132	359.152473248832	359.911481013486107	
189	188889	-24686.1413	960697.3170250766	39.51018978	-101.6739038	270171.8925691945	4778695.47923386	355.2153907	3425.964138519372	3264.05821992895	3264.05821992895	361.89906562547712	362.911481013486107	
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193	188893	-24422.1413	960697.3170250766	39.51025669259395	-101.6645526	270922.168095795	4778697.901	352.817665207174	3421.07101884775	3250.023759788886	3255.414007782158	371.047912688889	371.047912688889	
194	188894	-24356.1413	960697.3170250766	39.51027368161972	-101.6622148	271123.237354064	4778698.994670574	350.2586309025223	3419.8550164993125	3248.9729182164706	3262.22228628249	375.632229142771	375.632229142771	
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208	188908	-23432.1413	960697.3170250766	39.51050258953126	-101.6294856	273938.1718512255	4778696.674479651	346.076400103124	3402.490764110915	3241.084790846148	3252.351024607845	369.913264076883	369.913264076883	
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212	188912	-23168.1413	960697.3170250766	39.51056636042044	-101.620143	274742.430783138	4778697.29526399	348.55624215555	3397.1962171534797	3241.0754007627747	3256.1743444827	369.913264076883	369.913264076883	
213	188913	-23102.1413	960697.3170250766	39.51058219727061	-101.6177965	274943.4946076175	4778697.100203785	345.015896249613	3395.8312345540858	3241.1627865818723	3256.92339749494	369.913264076883	369.913264076883	
214	188914	-23036.1413	960697.3170250766	39.51059783338904	-101.6154587	275144.5581665467	4778697.10729304	345.281452522717	3394.4644178149	3241.29342598359	3256.3143925447	369.913264076883	369.913264076883	
215	188915	-22970.1413	960697.3170250766	39.510613724247314	-101.6131209	275345.6285102245	4778695.51635878	343.810399548228	3393.03998484319	3241.313588431296	3254.756269790978	369.913264076883	369.913264076883	
216	188916	-22904.1413	960697.3170250766	39.51062941665701	-101.6107631	275546.6861640707	4778696.52	345.4531156730428	3391.919955489264	3241.20121685454	3249.9236101204793	369.913264076883	369.913264076883	
217	188917	-22838.1413	960697.3170250766	39.51064596701264	-101.6084138	275748.612214146	4778697.04604574	345.4531156730428	3391.919955489264	3241.20121685454	3249.9236101204793	369.913264076883	369.913264076883	
218	188918	-22772.1413	960697.3170250766	39.51066170671954	-101.6061074	275948.612214146	4778697.04604574	345.4531156730428	3391.919955489264	3241.20121685454	3249.9236101204793	369.913264076883	369.913264076883	
219	188919	-22706.1413	960697.3170250766	39.510676626281036	-101.6037696	276149.8753773625	4778696.64908771	345.4531156730428	3391.919955489264	3241.20121685454	3249.9236101204793	369.913264076883	369.913264076883	
220	188920	-22640.1413	960697.3170250766	39.51069171338936	-101.6014318	27635								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
300	256	180001	-172941.1413	960697.3170250766	39.51179849599505	-101.4120651	292636.2978662668	47367531.898	3422.981932386763	3246.1035699423464	3137.663674220053	3140.3232937125786	48.4389591229336	76.79027569076786
302	256	180002	-172281.1413	960697.3170250766	39.5118103783936	-101.4097272	252837.5317519596	47367347.7600429	3422.312321173417	3244.682217492399	3136.4871504992214	3138.4076611280406	76.79027569076786	76.79027569076786
303	256	180003	-171621.1413	960697.3170250766	39.51182762561063	-101.4073893	293036.3891618354	47367343.75061433	3420.911216206752	3235.278942241166	3135.054456239993	3136.89012239993	76.79027569076786	76.79027569076786
304	256	180004	-170961.1413	960697.3170250766	39.5118337617501	-101.4050514	293329.4330047023	47367367.7769042	3419.018621823468	3241.880275690767	3133.9162357133714	3135.3529395169125	76.79027569076786	76.79027569076786
305	256	180005	-170301.1413	960697.3170250766	39.511845472577086	-101.4027135	293440.4746456517	47367330.60479429	3417.040524585856	3240.5154643154033	3132.826786683902	3134.6167129696738	76.79027569076786	76.79027569076786
306	256	180006	-169641.1413	960697.3170250766	39.511857103816844	-101.4003756	293641.5220812689	47367331.532375797	3419.018621823468	3240.5154643154033	3132.826786683902	3134.6167129696738	76.79027569076786	76.79027569076786
307	256	180007	-168981.1413	960697.3170250766	39.5118686898429	-101.3980377	293842.56631609716	47367327.459991038	3417.040524585856	3240.5154643154033	3132.826786683902	3134.6167129696738	76.79027569076786	76.79027569076786
308	256	180008	-168321.1413	960697.3170250766	39.51188023000934	-101.3956988	294043.610481798	47367323.7820141	3412.086357598555	3236.49382245253	3128.1642607603326	3128.329714891927	76.79027569076786	76.79027569076786
309	256	180009	-167661.1413	960697.3170250766	39.51189172565263	-101.3933816	294244.5541780798	47367323.7820141	3410.7525087146933	3235.1628316790577	3127.23230175243	3127.94759966153333	76.79027569076786	76.79027569076786
310	256	180010	-167001.1413	960697.3170250766	39.511903717515231	-101.391024	294445.6970030374	47367315.24119917	3410.7525087146933	3235.1628316790577	3127.23230175243	3127.94759966153333	76.79027569076786	76.79027569076786
311	256	180011	-166341.1413	960697.3170250766	39.51191455258016	-101.3888861	294646.7142321557	47367311.72295076	3408.854472759425	3232.587109235376	3124.4629307590533	3123.92186170282	76.79027569076786	76.79027569076786
312	256	180012	-165681.1413	960697.3170250766	39.511925942845586	-101.3863482	294847.7845647067	47367307.101275059	3406.0594969176686	3231.2952967036877	3123.2832317491047	3123.09542985243	76.79027569076786	76.79027569076786
313	256	180013	-165021.1413	960697.3170250766	39.51193726	-101.3840103	295048.782479789	47367303.0	3406.265219514357	3230.306957143457	3121.690219573719	3121.570636786876	76.79027569076786	76.79027569076786
314	256	180014	-164361.1413	960697.3170250766	39.51194852788926	-101.3816724	295249.870	47367298.95824995	3404.07895991222	3228.70978822625	3120.68168421484	3120.68168421484	76.79027569076786	76.79027569076786
315	256	180015	-163701.1413	960697.3170250766	39.51195972566854	-101.3793435	295450.9129231832	47367294.888611445	3408.1591173370413	3227.4119740977977	3119.68911042978977	3119.116712782927	76.79027569076786	76.79027569076786
316	256	180016	-163041.1413	960697.3170250766	39.5119703222224	-101.3769966	295651.9553435711	47367290.81151183	3408.3300714771544	3226.110068614913	3118.2893358803954	3118.2893358803954	76.79027569076786	76.79027569076786
317	256	180017	-162381.1413	960697.3170250766	39.51198260673508	-101.3746587	295852.997632407	47367286.74770422	3407.011030671728	3224.80579754721	3117.417542105969	3116.914022306226	76.79027569076786	76.79027569076786
318	256	180018	-161721.1413	960697.3170250766	39.511993156025326	-101.3723207	296054.0368234366	47367282.67072046	3399.617987573807	3223.496234962273	3116.964572599102	3115.721515889987	76.79027569076786	76.79027569076786
319	256	180019	-161061.1413	960697.3170250766	39.51200420015296	-101.3699828	296255.0814023408	47367278.60803145	3397.91527823798	3222.19572823798	3115.924304343252	3114.438354470491	76.79027569076786	76.79027569076786
320	256	180020	-160401.1413	960697.3170250766	39.5120152	-101.3676449	296456.12302181916	47367274.538	3397.2309345013828	3220.895483921438	3114.7245808318953	3113.1173358754964	76.79027569076786	76.79027569076786
321	256	180021	-159741.1413	960697.3170250766	39.51202615292038	-101.365307	296657.16444158414	47367270.49956968	3396.546577905685	3219.588981696994	3113.42869	3112.475658796994	76.79027569076786	76.79027569076786
322	256	180022	-159081.1413	960697.3170250766	39.5120376	-101.3629691	296858.155619418	47367266.999679047	3395.822271399975	3218.7018819391376	3111.767263679995	3110.3584773891607	76.79027569076786	76.79027569076786
323	256	180023	-158421.1413	960697.3170250766	39.5121021462270038	-101.3602283	297056.4468347175	47367262.7621230125	3395.4468347175	3217.921411603	3109.802731792513	3109.802731792513	76.79027569076786	76.79027569076786
324	256	180024	-157761.1413	960697.3170250766	39.51205874335145	-101.3582933	297260.275045659	47367258.2615063	3395.291828143374	3215.747200004535	3108.705703315975	3108.328400351176	76.79027569076786	76.79027569076786
325	256	180025	-157101.1413	960697.3170250766	39.51206951650306	-101.3559554	297461.32812762493	47367254.193682917	3395.139968224377	3215.43925920528	3106.81282749028	3106.696497891078	76.79027569076786	76.79027569076786
326	256	180026	-156441.1413	960697.3170250766	39.512080244491926	-101.3536175	297662.3685191214	47367250.12530065	3394.987932619655	3213.218307464083	3104.738600403714	3105.423772067823	76.79027569076786	76.79027569076786
327	256	180027	-155781.1413	960697.3170250766	39.51209092731803	-101.3512796	297863.4807771756	47367245.9719705	3393.84625193665	3211.9677488519187	3102.435816158514	3103.6265702693404	76.79027569076786	76.79027569076786
328	256	180028	-155121.1413	960697.3170250766	39.51210156481315	-101.3489416	298064.4488052054	47367241.98	3391.741094812242	3210.725305311453	3099.855478918021	3101.321915922819	76.79027569076786	76.79027569076786
329	256	180029	-154461.1413	960697.3170250766	39.512160440460077	-101.3462383	298265.4486347175	47367237.921620305	3389.584463478268	3209.4696547634933	3098.93257634933	3098.93257634933	76.79027569076786	76.79027569076786
330	256	180030	-153801.1413	960697.3170250766	39.51212774819316	-101.3442558	298466.528626303	47367233.54152413	3387.4522273147	3207.65305165593	3097.850774042719	3097.850774042719	76.79027569076786	76.79027569076786
331	256	180031	-153141.1413	960697.3170250766	39.5121330299949	-101.3419279	298667.567800222	47367229.7896524	3385.8749770062	3207.00565073798	3093.286539123534	3093.694365866143	76.79027569076786	76.79027569076786
332	256	180032	-152481.1413	960697.3170250766	39.51214366041141	-101.33959	298868.76730670024	47367225.79852374	3383.818265478638	3205.76214919584	3092.704347478946	3095.794347894731	76.79027569076786	76.79027569076786
333	256	180033	-151821.1413	960697.3170250766	39.51215047586046	-101.3372521	299069.664075936	47367221.653	3383.828670174516	3204.514154789866	3091.84021603878	3093.790511	76.79027569076786	76.79027569076786
334	256	180034	-151161.1413	960697.3170250766	39.51216444254657	-101.3349141	299270.6849	47367217.586415746	3382.805524570681	3203.260368826024	3091.21383922046	3092.32504720977	76.79027569076786	76.79027569076786
335	256	180035	-150501.1413	960697.3170250766	39.512174760400977	-101.3325762	299471.7236558535	47367210.50016236	3381.67589880886	3201.995930391657	3089.690884120187	3089.690884120187	76.79027569076786	76.79027569076786
336	256	180036	-149841.1413	960697.3170250766	39.512184504407805	-101.3302283	299672.7621230125	47367207.921620305	3380.44517524538	3200.731127441603	3088.951183041933	3088.951183041933	76.79027569076786	76.79027569076786
337	256	180037	-149181.1413	960697.3170250766	39.51219527	-101.3279004	299873.8026046315	47367203.38788143	3379.2126295982331	3200.45306184377	3088.62831369593	3088.62831369593	76.79027569076786	76.79027569076786
338	256	180038	-148521.1413	960697.3170250766	39.51220054766159	-101.3255625	300074.8330274725	47367201.22595542	3377.98010611994	3200.164750081025	3088.370041826043	3088.370041826043	76.79027569076786	76.79027569076786
339	256	180039	-147861.1413	960697.3170250766	39.51221558853285	-101.3232245	300275.786180839	47367197.366562	3376.75250975031	3196.862177494863	3094.78091994614	3094.088333776344	76.79027569076786	76.79027569076786
340	256	180040	-147201.1413	960697.3170250766	39.51222568244112	-101.3208866	300476.9138451546	47367193.1921337	3375.67956487024	3195.54631572855	3095.567965048917	3095.410200431712	76.79027569076786	76.79027569076786
341	256	180041	-146541.1413	960697.3170250766	39.51223547748631	-101.318487	300677.951313565	47367190.12010543	3374.920173215277	3194.271900292567	3095.508098969938	3095.218507498577	76.79027569076786	76.79027569076786
342	256	180042	-145881.1413	960697.3170250766	39.5122455016847	-101.3162108	300878.986916385	47367185.10127275	3373.743449478494	3193.078401092408	3094.83444556464	3094.6963495474804	76.79027569076786	76.79027569076786
343	256	180043	-145221.1413	960697.3170250766	39.51225562543804	-101.313959	301081.2185154239	47367180.910968	3372.584463478268	3192.469622286293	3093.828498002598	3093.828498002598	76.79027569076786	76.79027569076786
344	256	180044	-144561.1413	960697.3170250766	39.51226550244397	-101.3115349	301286.052484329	47367176.93203703	3371					

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
427	256	189127	-8791.14133	960697.3170250766	35.1293113480817	-110.174853	317966.4646628373	4375840.324192592	3223.036025102393	3704.560728053121	2985.033748303424	2986.038215308398	5286997.75	88.52251274142826
428	256	189128	-8821.14133	960697.3170250766	35.1293725610396	-110.115473	318167.4858955414	4753636.27762779	3072.872719849974	2983.70471824394	2983.70471824394	2983.70471824394	58.1680015656571	88.9903362606049
429	256	189129	-8846.14133	960697.3170250766	35.1294323203531	-110.126893	318368.5698493075	4753632.281275816	3218.826824641137	2971.178832368564	2983.70471824394	2983.70471824394	88.572381224548	89.539047723458
430	256	189130	-8780.14133	960697.3170250766	35.1294938320225	-110.114714	318659.5278140483	4753628.185136764	3216.72677110568	2980.90061852331	2979.641868159673	2979.641868159673	88.491364411805	89.830853466702
431	256	189131	-8741.14133	960697.3170250766	35.12955349004734	-110.108134	318770.584	4753628.185136764	3216.72677110568	2980.90061852331	2979.641868159673	2979.641868159673	88.491364411805	89.830853466702
432	256	189132	-8648.14133	960697.3170250766	35.12961291	-110.105794	318971.56907819427	4753620.094392782	3212.52547857867	3066.0190221770773	2977.641885426124	2977.641885426124	88.491364411805	89.830853466702
433	256	189133	-8582.14133	960697.3170250766	35.12967919	-110.104575	319172.5894316477	4753616.047996838	3208.975882846623	3064.412806888324	2975.985288068324	2975.985288068324	88.491364411805	89.830853466702
434	256	189134	-8516.14133	960697.3170250766	35.1297303542554	-110.111195	319373.6096062638	4753612.002709249	3207.70094247678	3062.74964918684	2974.194100357378	2974.08863907969	88.5554808290617	88.6110092171157
435	256	189135	-8450.14133	960697.3170250766	35.129784057019	-110.088167	319574.6269834925	4753607.957534358	3208.386463835937	3059.4982124686	2972.26247178839	2972.222546463334	88.5692078723458	88.662078723458
436	256	189136	-8384.14133	960697.3170250766	35.129840505335	-110.066438	319775.6494339895	4753603.917277598	3207.073618475937	3059.47242538718	2970.118551406794	2970.118551406794	88.5232111052396	88.5232111052396
437	256	189137	-8318.14133	960697.3170250766	35.1299031336601	-110.049105	319978.6690827848	4753599.986123521	3200.74883260558	3057.861353175984	2967.645108594086	2967.645108594086	88.57865032	88.57865032
438	256	189138	-8252.14133	960697.3170250766	35.12995805017156	-110.091776	320177.6885559253	4753579.8382766	3198.4204647732316	3056.269552	2965.501673574923	2965.501673574923	90.767396433872	90.767396433872
439	256	189139	-8186.14133	960697.3170250766	35.13001605037	-110.084296	320378.705362774	4753571.729	3197.87837186899	3054.698335059249	2964.429381	2964.429381	90.29287038	90.29287038
440	256	189140	-8120.14133	960697.3170250766	35.130071882558	-110.087017	320579.72607687	4753577.735	3194.3778775058	3053.148366092366	2964.786459899993	2965.089649719176	88.3610602223754	88.0584714851705
441	256	189141	-8054.14133	960697.3170250766	35.1301272296338	-110.084737	320870.7459253153	4753573.691655336	3192.44704363121	3051.818431822681	2965.35751905565	2965.35751905565	88.269127466263	88.269127466263
442	256	189142	-7988.14133	960697.3170250766	35.1301821179303	-110.082417	321084.764961701	4753573.691655336	3190.52119951187	3050.105300138529	2965.746184151527	2966.818632802673	84.3591159893769	83.28667734
443	256	189143	-7922.14133	960697.3170250766	35.1302365580478	-110.080078	321282.783294085	4753575.646980002	3190.106534526535	3048.05753274784	2965.960827963887	2965.960827963887	82.644862308873	84.31788020911094
444	256	189144	-7856.14133	960697.3170250766	35.1302905446825	-110.0777398	321383.7017164485	4753571.56134398	3191.200348673567	3047.1185994874969	2965.145733013677	2965.145733013677	81.7819605714433	79.6734570052182
445	256	189145	-7790.14133	960697.3170250766	35.13034447967844	-110.0754018	321584.819666918	4753575.61897512	3192.2860221137	3045.643038691336	2967.78781358686	2967.78781358686	79.4600345715223	77.855373345067
446	256	189146	-7724.14133	960697.3170250766	35.1303972	-110.0730638	321785.8380423334	4753575.61897512	3190.762882766739	3044.177997	2965.62840211043	2967.420787304183	79.4600345715223	77.855373345067
447	256	189147	-7658.14133	960697.3170250766	35.13044947972525	-110.0707299	321986.859	4753579.43336522	3192.113993420947	3042.721752810075	2964.799583071494	2966.60002504673	79.225920971346	76.1221552263014
448	256	189148	-7592.14133	960697.3170250766	35.13050194717945	-110.068379	322187.8718726106	475375.391	3186.47730211294	3041.2745697562827	2963.580781917625	2963.580781917625	77.048623652026	76.8429687526026
449	256	189149	-7526.14133	960697.3170250766	35.13055469857175	-110.065949	322389.8459237098	475375.391	3184.473456343858	3039.834772781484	2961.4851981954154	2961.4851981954154	74.744788722879	74.744788722879
450	256	189150	-7460.14133	960697.3170250766	35.1306047954989	-110.063719	322589.980077525	4753747.30704195	3181.17751176993	3038.410847984312	2959.54444575017	2959.54444575017	72.8664230935427	72.8664230935427
451	256	189151	-7394.14133	960697.3170250766	35.13065580503385	-110.061374	322790.9258161482	4753743.26537886	3179.21341355648	3036.994367	2956.70764383906	2956.70764383906	72.829667607213	72.829667607213
452	256	189152	-7328.14133	960697.3170250766	35.1307061785334	-110.059036	322991.9425817474	4753759.232621223	3172.959904740853	3035.5865567532996	2953.2177176401296	2954.42679441111	72.6838931	71.159767312825
453	256	189153	-7262.14133	960697.3170250766	35.1307561003541	-110.056698	323192.95971483376	475375.1826285	3168.698478414383	3034.184941845218	2949.12234834301	2949.12234834301	72.6838931	71.159767312825
454	256	189154	-7196.14133	960697.3170250766	35.13080657052895	-110.05436	323393.9746055299	4753731.114644035	3164.437046533779	3032.7879111527345	2944.31767100653	2944.31767100653	72.6838931	71.159767312825
455	256	189155	-7130.14133	960697.3170250766	35.130856469857175	-110.052021	323594.9622270798	4753731.114644035	3162.4710624489	3030.84547358385	2941.4851981954154	2941.4851981954154	72.6838931	71.159767312825
456	256	189156	-7064.14133	960697.3170250766	35.1309031553638	-110.049963	323796.00570721571	4753723.00217571	3156.722062107571	3029.9077518866	2941.14814987716	2941.14814987716	72.6838931	71.159767312825
457	256	189157	-6998.14133	960697.3170250766	35.13095102711723	-110.047361	323997.0254551177	47537510.9823339	3153.025445473884	3028.605606894266	2941.6214629212005	2941.6214629212005	72.6838931	71.159767312825
458	256	189158	-6932.14133	960697.3170250766	35.13099893417554	-110.045081	324198.0144882184	4753710.919671635	3149.281003744029	3027.226106059864	2942.00962031968	2942.00962031968	72.6838931	71.159767312825
459	256	189159	-6866.14133	960697.3170250766	35.1310461467224	-110.0426701	324399.0380738234	47537510.9823339	3145.121916203398	3025.847433920729	2942.1747719699794	2942.1747719699794	72.6838931	71.159767312825
460	256	189160	-6800.14133	960697.3170250766	35.1310929070146	-110.040332	324600.0730415721	47537510.9823339	3140.498209242636	3024.4697401391836	2941.90463451621	2941.90463451621	72.6838931	71.159767312825
461	256	189161	-6734.14133	960697.3170250766	35.1311392156591	-110.037942	324801.0885314955	475702.86	3135.8829622884716	3022.022884716	2941.791313840895	2941.791313840895	72.6838931	71.159767312825
462	256	189162	-6668.14133	960697.3170250766	35.1311852725524	-110.035649	325094.9622270798	475702.86	3133.47634642522	3020.84547358385	2941.4851981954154	2941.4851981954154	72.6838931	71.159767312825
463	256	189163	-6602.14133	960697.3170250766	35.1312304705691	-110.033312	325203.118999411	475702.86	3131.886662521046	3020.36553360608	2941.087442655816	2941.087442655816	72.6838931	71.159767312825
464	256	189164	-6536.14133	960697.3170250766	35.1312754317078	-110.030902	325404.1339778078	475702.86	3128.47903918716	3018.9674481734	2940.55718837441	2940.55718837441	72.6838931	71.159767312825
465	256	189165	-6470.14133	960697.3170250766	35.1313199337619	-110.0286423	325605.14878610393	475702.86	3126.492512562077	3017.57975	2939.968268338938	2939.968268338938	72.6838931	71.159767312825
466	256	189166	-6404.14133	960697.3170250766	35.131363841679	-110.0263043	325806.1634245056	475702.86	3124.877865124239	3016.203198761746	2938.763446857265	2938.763446857265	72.6838931	71.159767312825
467	256	189167	-6338.14133	960697.3170250766	35.13140758292636	-110.023963	326067.1779	475702.86	3122.877865124239	3014.8279519495204	2938.140293387397	2938.140293387397	72.6838931	71.159767312825
468	256	189168	-6272.14133	960697.3170250766	35.1314557030038	-110.021623	326268.1921924513	475702.86	3120.74569818375	3012.74569818375	2937.34719694194	2937.34719694194	72.6838931	71.159767312825
469	256	189169	-6206.14133	960697.3170250766	35.131503674305	-110.019302	326469.2262270798	475702.86	3118.629622270798	3010.74569818375	2936.24719694194	2936.24719694194	72.6838931	71.159767312825
470	256	189170	-6140.14133	960697.3170250766	35.1315469301294	-110.016924	326670.1220232891	475702.86	3116.5127494025	3009.708874003608	2935.16073398404	2935.16073398404	72.6838931	71.159767312825
471	256	189171	-6074.14133	960697.3170250766	35.1315974614786	-110.014614	326871.234753059	475702.86	3114.4851981954154	3008.37693254163	2936.650756	2936.650756	72.6838931	71.159767312825
472	256	189172	-6008.14133	960697.3170250766	35.1316188	-110.0122764	327072.247698627	475702.86	3112.685043942182	3007.967233195146	2936.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKg.f	BRLEvBothKg.f	SatHtLog.f	SatHtBoth.f
543	256	189253	-6621.141327	960697.3170250766	39.51334674540267	-100.8228992	343293.8101566304	4735332.130857602	2907.696328284187	2884.370657866613	2832.8887595271744	2825.962545	58.148179815394877	58.408012864393186
544	256	189254	-5961.141327	960697.3170250766	39.51334717591882	-100.8205612	343484.8106434364	4735328.11015662	3001.533248347204	2882.9118322625022	2829.296759367463	2822.30317110130376	58.61506425645915	60.60865260498160
545	256	189255	-5301.141327	960697.3170250766	39.51334781389754	-100.8184992	343695.8109094619	4735324.91491655	2988.867225819749	2881.4203457447483	2828.072858583705	2821.48988071829884	59.93156956820666	59.93156956820666
546	256	189256	-4641.141327	960697.3170250766	39.5134079145553	-100.8158853	343896.811801825	4735320.07205479	2998.3304	2882.938116742175	2827.4110137480074	2826.9599327879637	58.42703577944184	58.42703577944184
547	256	189257	-3981.141327	960697.3170250766	39.513348196476095	-100.8135473	344097.8112817634	4735316.052905117	2998.80886142222	2878.350212	2820.1324581579006	2821.5694221683443	58.21775382579381	58.7678081935555
548	256	189258	-3321.141327	960697.3170250766	39.5133483431456	-100.8112093	344298.8110612604	4735312.03346653	3000.279661813235	2870.31342036766	2817.6012518148042	2815.924259364849	59.1818827962407	59.1818827962407
549	256	189259	-2661.141327	960697.3170250766	39.51334865	-100.8088713	344490.8108430314	4735308.01519989	2998.819759666477	2875.203187	2815.303048179000	2819.938968016296	59.902841864305	59.902841864305
550	256	189260	-2001.141327	960697.3170250766	39.5133488104654	-100.8065333	344700.8104292284	4735303.99664435	2995.429237	2873.610097940583	2813.399962488153	2819.132316156786	59.12471373059025	59.12471373059025
551	256	189261	-1341.141327	960697.3170250766	39.51334892	-100.8041953	344901.8096953824	4735299.978341654	2996.822581963525	2872.685174059716	2811.977657796275	2818.034953768275	60.0498515486874	60.0498515486874
552	256	189262	-681.1413269	960697.3170250766	39.51348594100866	-100.8018573	345120.8091572624	4735295.90320259	2988.648118018984	2870.438460141563	2810.96057025337	2817.2115384287	59.475931165238	59.475931165238
553	256	189263	21.14132693	960697.3170250766	39.51349018130185	-100.7995193	345303.8086248346	4735291.94230611	2985.172052480287	2868.58434920715	2810.183962678166	2818.478418699034	58.6704272528376	58.6704272528376
554	256	189264	638.85867303514	960697.3170250766	39.513489969436	-100.7971813	345504.8072723993	4735287.924624731	2981.610479200443	2867.27658258335	2809.919033178116	2815.2322385547	59.375350380190	59.375350380190
555	256	189265	1298.85867303514	960697.3170250766	39.51348306382376	-100.7948433	345705.8061088169	4735283.907166592	2789.04890504043	2865.70634015501	2809.7370852541	2814.239314434967	59.6883218969017	59.6883218969017
556	256	189266	1958.85867303514	960697.3170250766	39.5134881922703	-100.7925053	345906.80475989326	4735279.88909214	2974.487326739625	2864.14462758431	2809.62780204375	2813.563825454161	59.1568073409605	59.1568073409605
557	256	189267	2618.85867303514	960697.3170250766	39.513486629554	-100.7901673	346107.803333554	4735275.78284922	2972.702698952287	2862.591221709415	2808.249899110078	2813.448770925433	59.1245239953767	59.1245239953767
558	256	189268	3278.85867303514	960697.3170250766	39.51348484079895	-100.7871239	346308.801722485	4735271.85008178	2966.87500489855	2861.045417137926	2808.29043406762	2813.25643153978	59.12467391167514	59.12467391167514
559	256	189269	3838.85867303514	960697.3170250766	39.5134821383702	-100.7854813	346509.79896314034	4735267.83937934	2962.893717784424	2859.507760542463	2806.671114101927	2814.024282899962	58.836462405366	58.836462405366
560	256	189270	4598.8586730351	960697.3170250766	39.51334721709965	-100.7831533	346708.7900549121	4735263.82261871	2959.09617661047	2857.979572508647	2804.8387207437413	2812.583033317083	59.1405176490562	59.1405176490562
561	256	189271	5258.8586730351	960697.3170250766	39.5134784841768	-100.7808153	346911.7959883477	4735259.860755982	2955.04265735805	2856.404688022223	2803.0863175431596	2811.80711068665	59.145125906273	59.145125906273
562	256	189272	5918.8586730351	960697.3170250766	39.5134720196021	-100.7784773	347112.7937937288	4735255.790761836	2950.1405213775604	2854.994979879034	2801.551701994236	2811.8601471104327	59.33809678479833	59.33809678479833
563	256	189273	6578.8586730351	960697.3170250766	39.5134677433756	-100.7761394	347313.7914411819	4735251.774939371	2946.5871902155563	2853.46774361027	2800.263283804115	2803.7667609154682	59.22039860555887	59.22039860555887
564	256	189274	7238.8586730351	960697.3170250766	39.5133463	-100.7738014	347514.7884050403	4735247.77945073	2942.359758455418	2851.9505476756526	2799.128941602626	2801.6210653736537	59.1759217666276	59.1759217666276
565	256	189275	7898.8586730351	960697.3170250766	39.51334639963	-100.7714064	347716.824545416	4735243.78619862	2939.9641084573	2849.4601529316052	2798.34582919674	2801.6210653736537	59.1759217666276	59.1759217666276
566	256	189276	8558.8586730351	960697.3170250766	39.5134522047938	-100.7691254	347916.78349819034	4735239.728601952	2938.201514240027	2848.9734528472295	2797.078936718174	2798.5896206298955	59.18946176042094	59.18946176042094
567	256	189277	9218.8586730351	960697.3170250766	39.5134461219481	-100.7667874	348117.780565033	4735235.73196111	2938.636292	2848.987133247574	2795.5886612507124	2797.078936718174	59.18946176042094	59.18946176042094
568	256	189278	9878.8586730351	960697.3170250766	39.5134386746255	-100.7644494	348318.777462141	4735231.699421002	2937.992315783975	2846.00513320616	2793.741313567133	2794.7772136813883	59.2624002654829	59.2624002654829
569	256	189279	10538.8586730351	960697.3170250766	39.5134326013423	-100.7621114	348519.7742314852	4735227.684792325	2934.922768349235	2843.21806838809	2791.384786467775	2792.215226811993	59.3170247468775	59.3170247468775
570	256	189280	11198.8586730351	960697.3170250766	39.51342516354004	-100.7597734	348720.7708493823	4735223.670428365	2929.44623411676	2843.04786624356	2788.729190073504	2789.673364389934	59.34055965100569	59.34055965100569
571	256	189281	11858.8586730351	960697.3170250766	39.5134172740916	-100.7574374	348923.767543806	4735219.154336385	2923.9641084573	2841.543255711042	2786.34586716763	2789.263118581878	59.36814112963838	59.36814112963838
572	256	189282	12518.8586730351	960697.3170250766	39.513409827977	-100.7550974	349128.7635616104	4735215.64246129	2918.41196874027	2840.04769	2784.21692092017	2785.1322011	59.39352120598	59.39352120598
573	256	189283	13178.8586730351	960697.3170250766	39.5134001402515	-100.7527594	349323.7598263579	4735211.62859195	2915.986319422412	2838.5437934786705	2785.094734663509	2785.174526338015	59.43431392	59.43431392
574	256	189284	13838.8586730351	960697.3170250766	39.5133909858394	-100.7504214	349524.758660402	4735207.6137519	2916.47737308473	2837.030211244155	2786.027200673853	2786.190217146136	59.4603104530313	59.4603104530313
575	256	189285	14498.8586730351	960697.3170250766	39.51333811980425	-100.7480834	349725.75174812764	4735203.602097514	2916.964862705086	2835.505945783519	2787.214674531337	2787.42351271606	59.48258657348626	59.48258657348626
576	256	189286	15158.8586730351	960697.3170250766	39.513337105210726	-100.7457454	349926.74492566	4735199.58096074	2917.45948023642	2833.97103993562	2786.3262751638	2786.19555399845	59.46087561746206	59.46087561746206
577	256	189287	15818.8586730351	960697.3170250766	39.5133360527494	-100.7434074	350127.7433909502	4735195.52624912	2914.7888059096185	2832.45582127573	2788.1719042551	2789.42784639915	59.4283917025999	59.4283917025999
578	256	189288	164718.8586730351	960697.3170250766	39.513314294	-100.7410684	35028.784494913	4735191.56336385	2913.95145423783	2830.28498059363	2786.9682919674	2789.263118581878	59.418718737419	59.418718737419
579	256	189289	17138.8586730351	960697.3170250766	39.5133787351	-100.7387215	350529.783998018	4735195.12369918	2903.12018891858	2829.304136477533	2787.0881205983414	2787.46531923317	59.4020156740992	59.4020156740992
580	256	189290	17798.8586730351	960697.3170250766	39.51332594477305	-100.7363935	350730.7291180446	4735183.590578002	2902.23023668738	2827.728697936883	2783.61856704761	2783.89095530665	59.411727089272	59.411727089272
581	256	189291	18458.8586730351	960697.3170250766	39.513331388126	-100.7340555	350931.72413841635	4735179.532708059	2892.3842184935	2826.143978450694	2779.324761342265	2779.468074846698	59.418651711	59.418651711
582	256	189292	19118.8586730351	960697.3170250766	39.5133300681205	-100.7317175	351132.791047903	4735175.51371828	2888.225523414748	2824.506623706725	2774.8690795349085	2774.884988224026	59.46815441781677	59.46815441781677
583	256	189293	19778.8586730351	960697.3170250766	39.5133287319367	-100.7293795	351333.737473721	4735171.90376102	2884.12665500165	2822.950461056605	2770.098369194743	2771.32160440021	59.51824136186224	59.51824136186224
584	256	189294	20438.8586730351	960697.3170250766	39.5132738110212	-100.727415	351534.708363096	4735167.49242787	2882.02778695373	2821.34527766699	2776.944565176483	2776.225856	59.4062624904516	59.4062624904516
585	256	189295	21098.8586730351	960697.3170250766	39.5132744734256	-100.725095	351734.78819862	4735163.2819862	2880.9541084573	2820.9541084573	2776.944565176483	2776.225856	59.4062624904516	59.4062624904516
586	256	189296	21758.8586730351	960697.3170250766	39.513244734256	-100.7227655	351936.780494264	4735159.40738361	2878.92472204475	2818.135554043174	2775.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME.X	UTM.Y	SurElev.	W.Lt.	BRIEVEKgr.f	BRIEVBokth.f	SurSthBokth.f	SurThBokth.f
69	256	198379	76538.85867307335	960697.3170250766	39.51304531511583	-00.5283127	68818.74557206186	4374827.300670292	2763.298264793927	261.7514247111175	2622.009616892995	2620.961305247571	95.831801025247568	50.58011296
690	256	198380	77178.85867307335	960697.3170250766	39.51304005483926	-00.5259747	68819.7258127306	4374823.307486589	2763.7054714255146	266.9956373256273	2622.311990811621	2620.442334709884	47.6384651405136	48.591403385483904
691	256	198381	77638.85867307335	960697.3170250766	39.51303474934986	-00.526368	68820.7114677191	4374819.114813805	2764.126896214728	269.843694965458	2631.418917300421	2620.7283974724983	47.6384651405136	48.591403385483904
692	256	198382	78151.85867307335	960697.3170250766	39.51302939872727	-00.52129838	68821.6942	4374815.321751334	2764.5119020865982	266.93671905054664	2619.0500545664	2619.0500545664	47.6384651405136	48.591403385483904
693	256	198383	79178.85867307335	960697.3170250766	39.51302400320187	-00.5189608	68822.6768554376	4374811.32919767	2762.903245815927	266.5426621024482	2616.860555940154	2616.834671207103	48.56660526549427	48.8815440843709
694	256	198384	79838.85867307335	960697.3170250766	39.51301856208691	-00.5166229	68823.65936304897	4374807.33685897	2762.8245051516821	263.03020668485	2613.109186490075	2612.711371733066	51.22881502194775	51.22881502194775
695	256	198385	80498.85867307335	960697.3170250766	39.5130142895739	-00.5142849	68824.641754575184	4374803.344728711	2755.62589525405	2662.482634586833	2608.2130556883426	2608.008863	52.2523077937331	54.3396103589646
696	256	198386	81158.85867307335	960697.3170250766	39.51300754472329	-00.5119469	70025.624	4374799.325209021	2751.985979532388	260.8116021687905	2602.7280581897567	2602.553397322794	53.8994657900851	53.8994657900851
697	256	198387	81818.85867307335	960697.3170250766	39.51300196829476	-00.5096988	70226.6305147654	4374795.361100933	2749.5567389711	260.8116021687905	2602.7280581897567	2602.553397322794	53.8994657900851	53.8994657900851
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690	256	198390	83798.85867307335	960697.3170250766	39.5129846802159	-00.502595	70782.5915793074	4374783.38237574	2752.835253054567	265.8315649076	2591.545713	2591.56683993074	54.7474431506317	56.5363025837081
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705	256	198405	93698.85867307335	960697.3170250766	39.51289429954531	-00.4675255	73844.2638498046	4374723.543565054	2728.26581573848	263.13748017616	2550.78934581832	2550.78934581832	54.7474431506317	56.5363025837081
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718	256	198418	102278.85867307335	960697.3170250766	39.5128069745008	-00.437132	76456.9917555074	4374672.72265963	2693.463461800704	261.959071520536	2520.37589190291	2520.37589190291	54.7474431506317	56.5363025837081
719	256	198419	102938.85867307335	960697.3170250766	39.51279967576203	-00.434794	76657.9700141378	4374667.738	2692.8317289344215	261.959071520536	2520.37589190291	2520.37589190291	54.7474431506317	56.5363025837081
720	256	198420	103598.85867307335	960697.3170250766	39.5127926391087	-00.4324661	76858.9481550636	4374663.752331784	2691.34680553716	261.959071520536	2520.37589190291	2520.37589190291	54.7474431506317	56.5363025837081
721	256	198421	104158.85867307335	960697.3170250766	39.5127844918463	-00.4301724	77059.876928936	4374659.78309239	2690.8716538766	261.959071520536	2520.37589190291	2520.37589190291	54.7474431506317	56.5363025837081
722	256	198422	104718.85867307335	960697.3170250766	39.51277833971304	-00.4277802	77260.9041	4374655.784	2688.3760543326	260.96728108057	2524.17840551622	2524.17840551622		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BRElev.Kg.frt	BRElev.Kg.frt	SatHt.Kg.frt	SatHtBoth.ft
65	257	18905	-327801.1413	961357.3172025076	39.50956089	-101.9638096	245187.60718842671	4737250.545473646	3861.8945106493366	3687.769881274339	3494.799655997482	3494.6142242439363	92.97202527684703	93.1544573070282
66	257	18906	-328041.1413	961357.3172025076	39.5096583159391354	-101.9614272	245388.70597349244	4737516.112094691	3812.2239811832533	3586.361709851888	3494.1834377337148	3491.7869697042687	92.15720882713046	94.57201739116195
67	257	18907	-327381.1413	961357.3172025076	39.5096583159391354	-101.9614272	245388.70597349244	4737516.112094691	3812.2239811832533	3586.361709851888	3494.1834377337148	3491.7869697042687	92.15720882713046	94.57201739116195
68	257	18908	-327621.1413	961357.3172025076	39.5096796379005	-101.9656766	245790.92796379005	4737508.127941655	3808.9964313476765	3591.549305550083	3491.549305550083	3487.605885848676	92.001621918048	95.94525716
69	257	18909	-326061.1413	961357.3172025076	39.5096502825696	-101.9645489	245992.0008175575	4737504.049196005	3807.3961447311716	3582.150023605269	3489.9275214284194	3486.156366894049	92.222511768492	95.94866571122026
70	257	18910	-325401.1413	961357.3172025076	39.50967258756696	-101.9521212	246193.0985959057	4737499.92566187	3805.7289134131	3488.25268421394	3485.0949215618757	3482.09649049	95.673577225253	95.9281237
71	257	18911	-324741.1413	961357.3172025076	39.50969483	-101.9497835	246394.1961230552	4737495.87252911	3804.17218057584	3579.58421529084	3485.871781241672	3482.055257370482	93.4866042741177	96.9078917898095
72	257	18912	-324081.1413	961357.3172025076	39.50971703071998	-101.9474458	246595.29392571	4737491.61825241	3802.5250718282127	3577.468765570059	3483.3052074663156	3480.880771744616	94.6355810474352	97.0884878539749
73	257	18913	-323421.1413	961357.3172025076	39.509739498276845	-101.9451081	246796.5842470418	4737487.5583715385	3800.8777958	3575.5365952038576	3480.790089974852	3479.757489851574	96.8359542913457	96.828984888013
74	257	18914	-322761.1413	961357.3172025076	39.50975129325032	-101.9427704	246997.4872956322	4737483.437037018	3797.928453320648	3575.20344017434	3478.279756405544	3477.5317271032676	95.9326549	97.67206732137853
75	257	18915	-322101.1413	961357.3172025076	39.50978336579098	-101.9404328	247198.58382411546	4737481.31252241	3796.952441974142	3475.8259161362923	3475.8259161362923	3475.8259161362923	96.0022581084587	98.40072892118066
76	257	18916	-321441.1413	961357.3172025076	39.509805375165634	-101.9380949	247399.8608952897	4737475.189017252	3794.057547399167	3572.4564470538703	3473.544022325187	3473.200205	98.9124472835165	99.25622451090915
77	257	18917	-320781.1413	961357.3172025076	39.509827348348185	-101.9357572	247600.77612301064	4737471.066980044	3791.1572059373	3571.0847182770135	3471.061649613084	3471.119047498787	99.263564866391973	99.9728132
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79	257	18919	-319461.1413	961357.3172025076	39.5098715935285	-101.9310818	248002.9642320026	4737462.82306933	3784.0149	3568.330635	3465.9364993324546	3466.508741	102.3995634188554	101.8722948067988
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99	257	18939	-306261.1413	961357.3172025076	39.51029933481873	-101.8843273	252024.8295464432	4737380.471153424	3716.983671961426	3541.22647484728	3431.9259179595494	3431.9259179595494	109.252356497701	109.2573468857146
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101	257	18941	-304941.1413	961357.3172025076	39.5103416	-101.8796518	252427.0052664357	4737372.03	3723.950186102373	3538.69418918915	3428.30564384945	3428.30564384945	110.388775077803	110.2887906848642
102	257	18942	-304281.1413	961357.3172025076	39.5103620299897	-101.8773141	252628.0961095523	4737368.096825162	3727.433470172922	3537.4606679393457	3427.0945793035068	3427.0945793035068	110.3608696043889	110.3712739965431
103	257	18943	-303621.1413	961357.3172025076	39.51038280214481	-101.8749763	252829.18570809084	4737363.97021413	3726.09819132302	3536.2484213014513	3426.381859	3426.381859	110.9265624053417	108.8796271904884
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105	257	18945	-302301.1413	961357.3172025076	39.51042426496487	-101.8703088	253231.3647122602	4737358.783089565	3728.79905632763	3533.879519291317	3425.2545062700194	3425.2545062700194	108.846110931748	108.846110931748
106	257	18946	-301641.1413	961357.3172025076	39.5104462963004	-101.8679631	253432.4530382035	4737351.62237337	3728.63639832254	3532.713634878454	3424.3524566905474	3424.3524566905474	108.833776679495	108.833776679495
107	257	18947	-300981.1413	961357.3172025076	39.510468329851075	-101.8651988	253640.3628703886	4737348.222818	3727.31814717245	3531.82193177705	3423.950186102373	3423.950186102373	110.049871814749	109.9423102546
108	257	18948	-300321.1413	961357.3172025076	39.510486120515296	-101.8632676	253834.63030335	4737340.39139079	3727.0474220696	3530.84593457556	3421.591472043394	3420.87681812035	108.8347124154949	108.8347124154949
109	257	18949	-299661.1413	961357.3172025076	39.510506648717396	-101.8609498	254035.781							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	LatHtSgS	LatHtBothT
191	257	189631	-245451.1413	191357.3170250766	39.512036287122555	-101.66692499	702524.1370068671	4737002.569	3425.456888172195	3425.4605961324763	3256.755277807827	3254.3469714447515	166.888531832464923	168.29362407677248
192	257	189632	-244881.1413	191357.3170250766	39.512053067132178	-101.666912	710725.20565253096	4736996.47217147	3535.249226852104	3421.431715288076	3251.630868445054	3250.79536372207	169.80084684300037	170.63317891688994
193	257	189633	-244221.1413	191357.3170250766	39.51206946198146	-101.66694742	720696.27490233456	4736994.371363563	3538.0728624818996	3420.258432326327	3245.1115233836237	3244.5512464	170.1804627383166	169.80084684300037
194	257	189634	-243561.1413	191357.3170250766	39.51208684917204	-101.66622631	731127.34226292671	4736992.78312912	3534.8963801151896	3419.0126102716171	3249.51707992417	3240.2861241157197	169.80084684300037	169.80084684300037
195	257	189635	-242901.1413	191357.3170250766	39.51210313619865	-101.65988985	741328.4107462535	4736996.187051813	3520.762996475982	3417.818781521853	3248.6765001235863	3246.89439417132	168.14228133826673	168.14228133826673
196	257	189636	-242241.1413	191357.3170250766	39.51211973556653	-101.65759606	751529.4780275242	4736981.08513268	3516.615056224803	3417.8625439345847	3246.533869732248	3246.75341229021492	151.9268480256241	151.9268480256241
197	257	189637	-241581.1413	191357.3170250766	39.512136289773885	-101.65522228	761730.54555519996	4736977.989134416	3514.582680239307	3415.4124530022364	3246.957294941866	3246.7241794721461	168.5158060372	168.5158060372
198	257	189638	-240921.1413	191357.3170250766	39.51215287882068	-101.6528489	771931.6128575984	4736973.93711454	3511.4925213408717	3414.2079197498812	3246.046697354295	3246.73242	168.15924574455175	167.475442571753
199	257	189639	-240261.1413	191357.3170250766	39.51216926270869	-101.650647	782132.6789537063	4736969.374232341	3508.701317817538	3413.30024628989	3245.167896628994	3244.5512464	168.15924574455175	167.475442571753
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201	257	189641	-238941.1413	191357.3170250766	39.5122020549743	-101.6458713	802324.3814717907	4736961.606571764	3508.7168914913827	3410.5638	3243.815730279455	3243.712346	168.7482479518253	165.8057335760004
202	257	189642	-238281.1413	191357.3170250766	39.51221838	-101.6435335	812735.87922386	4736957.511466249	3508.2264713564873	3409.35338699673	3243.2591966152972	3242.096826843256	166.0761420843753	163.24247026078
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204	257	189644	-236961.1413	191357.3170250766	39.512250904736085	-101.6388577	832338.0120599274	4736949.422	3499.227534215962	3406.85708412932	3242.5316995326484	3242.7482916403554	164.300808082355	159.01472727562
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207	257	189647	-234981.1413	191357.3170250766	39.512299348019624	-101.6318441	862341.2068598265	4736937.39317263	3480.680939342343	3403.083242002504	3241.890318624699	3241.5678690558509	161.1929237600518	148.5146468896
208	257	189648	-234321.1413	191357.3170250766	39.51231540545913	-101.6295063	872342.736537349	4736932.9453271063	3472.757833789337	3401.8048259707425	3241.4848512945987	3255.582588312337	160.319674611483	146.221970139508
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210	257	189650	-233001.1413	191357.3170250766	39.51234734855374	-101.6248305	892344.0311329975	4736924.758	3456.91163257132	3399.210869008457	3241.179514170171	3257.49416915614	158.0313248	141.7314520284304
211	257	189651	-232341.1413	191357.3170250766	39.51236330816779	-101.6224926	902345.46094676	4736920.6502088	3449.28291546424	3397.889154098376	3241.058437137017	3258.91503633524	156.834680981358	139.396046043052
212	257	189652	-231681.1413	191357.3170250766	39.51237919367079	-101.6201548	912346.516834967	4736916.57224481	3435.0176087465924	3396.568754	3240.9323735757	3259.242657919296	155.2193279489284	137.316128340492
213	257	189653	-231021.1413	191357.3170250766	39.51239516874754	-101.6178424	922347.68910792	4736912.63919187	3415.96856983634	3395.8167927177	3240.71923451389	3259.128346196952	154.02892721189	124.74146943184
214	257	189654	-230361.1413	191357.3170250766	39.51241108	-101.615479	932348.659356755	4736908.36891663	3417.7743075297	3393.3501482807	3241.205596766547	3240.0788562507	152.629418125043	133.361423023044
215	257	189655	-229701.1413	191357.3170250766	39.5124265432865	-101.6131411	942349.724748356	4736904.294670187	3408.740484815654	3391.4341364167386	3240.4132512878243	3260.05458342927	151.088117385043	132.869059881165
216	257	189656	-229041.1413	191357.3170250766	39.51244224	-101.6108033	952350.7566123829	4736900.25247348	3398.186440657526	3390.321496946434	3241.536072050886	3260.8404401981284	149.4874249437456	130.96356760575
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218	257	189658	-227721.1413	191357.3170250766	39.51247349599951	-101.6061127	972352.912740362	4736892.01926845	3390.153844114123	3388.105623155755	3242.100532216607	3260.3480445471645	146.005159036985	127.7586879641098
219	257	189659	-227061.1413	191357.3170250766	39.51248916674754	-101.6037918	982353.968701684	4736887.927579015	3388.1918685983634	3386.811679271374	3242.17923451389	3259.128346196952	144.4276537369576	126.83868178903
220	257	189660	-226401.1413	191357.3170250766	39.51250514717413	-101.6014517	992355.037035627	4736883.03759224	3385.80130116656	3384.05630292617	3242.90887227404	3258.19827724074	142.15899343156583	125.188033156583
221	257	189661	-225741.1413	191357.3170250766	39.512520042519554	-101.5991139	1002356.0998764236	4736879.745315558	3384.474464269483	3383.496577554056	3243.7870611749486	3257.84771231741	139.7050193566127	125.6485040223117
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223	257	189663	-224421.1413	191357.3170250766	39.51255084772648	-101.5944381	1022358.22995746	4736871.56391407	3382.154054551772	3380.256879145238	3245.752311467123	3255.02250836064	134.50456781151	124.8342084549229
224	257	189664	-223761.1413	191357.3170250766	39.51256618258794	-101.5921002	1032359.28022455	4736867.943735751	3380.76289757416	3378.5880921180774	3246.590984732999	3254.08738232586	131.9980073850738	124.506822858167
225	257	189665	-223101.1413	191357.3170250766	39.51258147226868	-101.5897763	1042360.348525244	4736863.385	3379.12739046013125	3376.890187499353	3247.012570941318	3252.4978950950611	129.871655903524	124.3953248487202
226	257	189666	-222441.1413	191357.3170250766	39.51259671822660	-101.5874404	1052361.48910792	4736859.293	3378.06972358467	3375.648578037277	3246.4582793277	3251.45174661515	127.8147146943184	124.1747146943184
227	257	189667	-221781.1413	191357.3170250766	39.51261152	-101.5850865	1062362.776776003	4736855.2036902215	3376.01375697851	3374.8193456795181	3245.196697991234	3247.608017802974	126.81679871673	125.618178292059
228	257	189668	-221121.1413	191357.3170250766	39.51262707041968	-101.5827487	1072363.52452548	4736851.14170742	3374.61756422524	3371.6564311146435	3242.318375891561	3247.301937996493	125.3390552320824	127.0100031499426
229	257	189669	-220461.1413	191357.3170250766	39.512642179473814	-101.5804108	1082364.588854739	4736847.024895321	3373.2882378990195	3369.882378990195	3242.1739191754	3239.0095212671674	131.46060507167	127.072857142021
230	257	189670	-219801.1413	191357.3170250766	39.51265743336667	-101.5780729	1092365.640055316	4736842.396	3372.656931213698	3368.099915832218	3233.412451635673	3233.47122893314	130.8876419654462	134.6286688349815
231	257	189671	-219141.1413	191357.3170250766	39.51267226209785	-101.575735	1102366.7899059058	4736838.84900627	3371.6262697913628	3366.314132	3232.451854371783	3232.7763272202018	130.658677653416	133.2735795804784
232	257	189672	-218481.1413	191357.3170250766	39.51268723566743	-101.5733971	1112367.768	4736834.75832407	3370.6459240444	3364.519747045303	3232.353676773474	3231.655504	130.460473915588	144.8642206304046
233	257	189673	-217821.1413	191357.3170250766	39.51270261640756	-101.5710471	1122368.89197315	4736830.293479715	3369.61985959945	3362.64857477898	3231.4745587845104	3231.14452381738468	130.5851985463036	130.5851985463036
234	257	189674	-217161.1413	191357.3170250766	39.51271704732176	-101.5687213	1132369.787284959	4736825.1561193	3368.010542405494	3360.934596363234	3231.271209591917	3247.608017802974	130.460473915588	144.8642206304046

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKgr.f	BREVElothKgr.f	SatHLothKgr.f	SatHBotKgr.f
317	257	189757	-162821.1413	961357.3172025076	39.51379492650581	-101.374673	295857.0748217181	4736488.005778118	3400.760473924179	3222.882256288519	3118.4326831496496	3118.194604145751	50.44567313886925	50.6876521
318	257	189760	-161721.1413	961357.3172025076	39.51380601022582	-101.373235	296058.1166145423	4736483.535480707	3397.8943329142617	3222.583406769387	3117.496226929536	3117.0075664297984	50.0871754740513	50.57583924714027
319	257	189759	-161691.1413	961357.3172025076	39.513817265457045	-101.369891	296559.1256470455	4736479.8655311688	3386.2240427198505	3221.267098722296	3116.863276198394	3115.710336183984	50.45223418023875	50.59549690282875
320	257	189760	-160401.1413	961357.3172025076	39.51382805	-101.367651	296460.1996057371	4736475.795729966	3395.7483769300429	3219.9948201180114	3115.618407505251	3114.381136974251	50.37641261549015	50.61365613058888
321	257	189761	-159741.1413	961357.3172025076	39.5138390796815	-101.3653211	296661.240800772256	4736471.72611482	3396.274786215542	3218.7059096532653	3114.207276852079	3114.0832835983436	50.49863280118586	50.70562604833065
322	257	189762	-159081.1413	961357.3172025076	39.51384991688795	-101.3629382	296862.2817962716	4736467.76567216	3394.8601957330834	3217.4217904474003	3112.6735845423355	3111.5960064042896	50.47453190564083	50.82578360711068
323	257	189763	-158421.1413	961357.3172025076	39.5138607064396	-101.3606452	297003.3225924764	4736463.587700892	3394.498405839129	3216.14379898984	3111.095015246885	3110.94093844751	50.04587337299904	50.948705115513296
324	257	189764	-157761.1413	961357.3172025076	39.513871599236076	-101.35833072	297264.3631895504	4736459.51866001	3394.369416511815	3214.872231251492	3109.339395876984	3108.824931270916	50.532833873981	50.04813812440034
325	257	189765	-157101.1413	961357.3172025076	39.51388232764841	-101.3558969	297485.40582876	4736455.449828016	3394.240427198505	3213.9680517051	3107.448785627594	3106.1283845649862	50.15811009161834	50.0758266331598
326	257	189766	-156441.1413	961357.3172025076	39.51389310202834	-101.3536313	297666.4439	4736451.381409482	3394.1143787196	3212.348391642329	3105.4146980190585	3106.7754136722906	50.0543936241807	50.572750059485
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328	257	189768	-155121.1413	961357.3172025076	39.51391442195649	-101.348953	298068.52359128254	4736443.2450114128	3390.7756345666	3209.85376	3100.8393555350003	3105.438495276805	50.0142200461975	50.4142350193907
329	257	189769	-154461.1413	961357.3172025076	39.51392501473798	-101.3466174	298269.59331960407	4736439.17713257	3388.59478227424	3208.7897687697383	3098.3507884082257	3105.77222455176	50.112597862311266	50.027258631456239
330	257	189770	-153801.1413	961357.3172025076	39.5139356234646	-101.3442794	298470.6026	4736435.190474335	3386.413899915182	3207.36508142232	3096.199293772394	3108.590144033086	50.116579136983819	98.77449059982358
331	257	189771	-153141.1413	961357.3172025076	39.51394660479616	-101.3419414	298671.6419121343	4736431.04223341	3384.8622549722664	3206.118545404327	3095.198757800053	3103.9352773730442	50.0597869603374	50.02181269728848
332	257	189772	-152481.1413	961357.3172025076	39.51395652	-101.3396034	298872.680223454	4736428.97478309	3383.93070639677	3204.891937674403	3094.563457135947	3100.2340077661214	50.3057323028455	50.63518511011893
333	257	189773	-151821.1413	961357.3172025076	39.513967553419299	-101.3372655	299073.7197385202	4736422.908	3383.07170945864	3203.615913	3093.967785663415	3097.51763383213	50.62812389861862	50.0547461947248
334	257	189774	-151161.1413	961357.3172025076	39.5139773	-101.3349275	299274.758506305	4736418.84059216	3382.95607031908	3202.3570482737164	3093.583955483135	3095.829588973556	50.0773097254028	50.050297636074
335	257	189775	-150501.1413	961357.3172025076	39.51398672223334	-101.3325895	299475.7967768115	4736414.708	3381.0983226620714	3201.0915620838796	3093.6273182892564	3094.8785277991974	50.46424379462314	50.06213028468218
336	257	189776	-149841.1413	961357.3172025076	39.513997538957644	-101.3302515	299676.8000887785	4736410.708	3379.8149628628036	3200.1890756531216	3093.8423865329046	3095.0430569732024	50.9765210330065	50.04778415001026
337	257	189777	-149181.1413	961357.3172025076	39.51400813911764	-101.3279136	299877.8702856054	4736406.614819183	3378.97517213598	3198.3381228453298	3094.1527021597326	3094.555834219599	50.43852486959673	50.0228825820227
338	257	189778	-148521.1413	961357.3172025076	39.51401831731486	-101.325576	300087.910603487	4736402.578676175	3378.18749553426	3197.581395355687	3094.715980531691	3094.87576219589	50.0259953042777	50.021716599706
339	257	189779	-147861.1413	961357.3172025076	39.51402865844562	-101.3232997	300294.944945556	4736398.12191808	3377.261985776474	3196.841974702421	3094.185033528254	3095.949479241123	50.03083885	50.04437107297489
340	257	189780	-147201.1413	961357.3172025076	39.51403855441266	-101.3209896	300480.983551789	4736394.44046284	3376.1519248628331	3194.6225522906164	3094.029594377983	3096.51772074094	50.965573030115	98.07448021627235
341	257	189781	-146541.1413	961357.3172025076	39.51404860521583	-101.3185616	300682.0217262125	4736390.37924013	3374.01819888095	3193.2993696378184	3097.510965985449	3099.62583823822	50.98730305	95.6711013
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343	257	189783	-145221.1413	961357.3172025076	39.514068571329794	-101.3138857	301084.09708147246	4736381.29341028	3367.897913779309	3190.6183016973214	3096.67811315557	3099.3848831760274	50.93498838176448	92.4767769910512
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345	257	189785	-143901.1413	961357.3172025076	39.51408865679662	-101.3092997	301486.170203781	4736374.120498215	3364.219085976474	3188.3496271949427	3094.37803386698	3098.949479241123	50.92083885	50.03884427851464
346	257	189786	-143241.1413	961357.3172025076	39.51409817158574	-101.3069777	301694.27229941	4736370.05594725	3362.781878179	3186.54404812157	3094.19941238899	3099.94926211366	50.7446277028051	95.5950560079049
347	257	189787	-142581.1413	961357.3172025076	39.51410796158623	-101.3045337	301888.2454784815	4736365.9919127	3359.656052964033	3185.75187	3090.381528764886	3098.035147265366	50.7336587	97.1400017667454
348	257	189788	-141921.1413	961357.3172025076	39.5141176623954	-101.3021598	302089.2784854796	4736361.928104756	3358.01715927516	3183.840578659308	3089.071282567377	3096.164899931691	50.78338217176397	97.6340617890997
349	257	189789	-141261.1413	961357.3172025076	39.51412738572847	-101.2998578	302290.3141153034	4736357.864504172	3352.44737255862	3182.4360287440527	3087.85100288634	3094.198105419574	50.84452586	98.237932447874
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353	257	189793	-138621.1413	961357.3172025076	39.5141659923033	-101.2905058	303045456296746	4736341.62238936	3338.87842839582	3177.63258526976	3082.8912821625968	3095.737693175447	50.9175324003619	50.0326663635956
354	257	189794	-137961.1413	961357.3172025076	39.5141755570791	-101.2881678	303295.4896470837	4736337.549706888	3331.3286967015577	3184.75258373486	3081.991914728323	3073.38721797172	50.75634364516281	50.0234603636075
355	257	189795	-137301.1413	961357.3172025076	39.51418547209615	-101.2858296	303496.524174823	4736333.487388528	3326.628595289449	3174.4529438481878	3080.601737386721	3070.596534299455	50.8439169	50.038476006375
356	257	189796	-136641.1413	961357.3172025076	39.514193947547525	-101.2834919	303697.5588	4736329.425283846	3321.910428927606	3173.1566821967214	3079.1656413029752	3076.638370921156	50.9390048755578	50.05173112750785
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358	257	189798	-135321.1413	961357.3172025076	39.51421255872994	-101.278819	304099.626	4736321.30715496	3312.345551144785	3170.6258015144785	3076.9826004073674	3071.3239910114532	50.64275080711104	50.09615211303326
359	257	189799	-134661.1413	961357.3172025076	39.51422198770568	-101.2764839	304300.660106989	4736317.304360608	3309.7319484217887	3169.7934357844419	3075.944453544457	3075.944453544457	50.93178851311751	50.065908342307167
360	257	189800	-134001.1413	961357.3172025076	39.5142309852339	-101.2741399	304501.693927932	4736313.17900179	3300.7362773547174	3168.5591575605	3074.902023615872	3075.944453544457	50.93178851311751	50.0659083423

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SatHtVeg.f	SatHtBoth.f
43	257	189883	-73221.14133	961357.3170250766	39.51483653646664	-01.0800647	321186.8322873163	473759.7639	3193.367906321504	268.267246913818	2965.2156868823145	2966.367246913818	80.05160003106731	81.8994924949248
444	257	189884	-76561.14133	961357.3170250766	39.51484195526099	-01.0777467	321387.8506	473792.796	3194.6712712891287	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
445	257	189885	-73941.14133	961357.3170250766	39.51484728895806	-01.0754807	321588.86837477483	473781.7518	3195.82877577483	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
446	257	189886	-77241.14133	961357.3170250766	39.5148529737678	-01.0730707	321789.8856345038	473769.9318	3196.876501671444	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
447	257	189887	-76561.14133	961357.3170250766	39.5148786068198	-01.0707326	321990.90404232417	473759.66177436	3195.8749611926146	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
448	257	189888	-75921.14133	961357.3170250766	39.51486307882137	-01.0683496	322191.9215466723	473759.64694085	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
449	257	189889	-75261.14133	961357.3170250766	39.514868251795015	-01.0660566	322392.883772289	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
450	257	189890	-74601.14133	961357.3170250766	39.5148737960282	-01.0637185	322593.95603418476	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
451	257	189891	-73941.14133	961357.3170250766	39.51487964224462	-01.0613695	322794.8791942654	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
452	257	189892	-73291.14133	961357.3170250766	39.51488349972103	-01.0590424	322995.969312834	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
453	257	189893	-72621.14133	961357.3170250766	39.5148848203141	-01.0567044	323197.0046705476	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
454	257	189894	-71961.14133	961357.3170250766	39.51489343917592	-01.0543664	323398.0229	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
455	257	189895	-71301.14133	961357.3170250766	39.514898384	-01.0520283	323599.039232105	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
456	257	189896	-70641.14133	961357.3170250766	39.5149031976433	-01.0499093	323800.05551605	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
457	257	189897	-69981.14133	961357.3170250766	39.5149080091439	-01.0473523	324001.0130667272	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
458	257	189898	-69321.14133	961357.3170250766	39.5149127760548	-01.0450142	324202.0870581961	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
459	257	189899	-68661.14133	961357.3170250766	39.51491748741302	-01.0426762	324403.10279406146	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
460	257	189900	-68001.14133	961357.3170250766	39.51492217356232	-01.0403382	324604.11823118664	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
461	257	189901	-67341.14133	961357.3170250766	39.514926804545695	-01.0380001	324805.1334971211	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
462	257	189902	-66681.14133	961357.3170250766	39.51493139036317	-01.0356621	325006.1485929308	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
463	257	189903	-66021.14133	961357.3170250766	39.514935939101741	-01.0333241	325207.1635179672	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
464	257	189904	-65361.14133	961357.3170250766	39.5149404260036	-01.030998	325408.1762726642	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
465	257	189905	-64701.14133	961357.3170250766	39.51494592071505	-01.0286358	325609.162702594	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
466	257	189906	-64041.14133	961357.3170250766	39.51494928197379	-01.0263099	325810.2207270317	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
467	257	189907	-63381.14133	961357.3170250766	39.51495364196159	-01.0239719	326011.2215170526	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
468	257	189908	-62721.14133	961357.3170250766	39.51495796	-01.0216339	326212.2356	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
469	257	189909	-62061.14133	961357.3170250766	39.5149622643923	-01.0192958	326413.249498956	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
470	257	189910	-61401.14133	961357.3170250766	39.5149664502913	-01.0169878	326614.2632362491	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
471	257	189911	-60741.14133	961357.3170250766	39.51497106295302	-01.0146197	326815.2768044415	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
472	257	189912	-60081.14133	961357.3170250766	39.5149764072103	-01.0123871	327016.290243875	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
473	257	189913	-59421.14133	961357.3170250766	39.51497853402795	-01.0099437	327217.3164874047	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
474	257	189914	-58761.14133	961357.3170250766	39.5149828722868	-01.0070586	327418.3169874034	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
475	257	189915	-58101.14133	961357.3170250766	39.5149868988854	-01.0052676	327619.3294	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
476	257	189916	-57441.14133	961357.3170250766	39.51499084938237	-01.0029295	327820.3241209479	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
477	257	189917	-56781.14133	961357.3170250766	39.51499475771016	-01.0009518	328021.3548051835	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
478	257	189918	-56121.14133	961357.3170250766	39.5149982071505	-01.0009358	328222.36702594	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
479	257	189919	-55461.14133	961357.3170250766	39.515002438867626	-01.0009514	328423.3929759326	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
480	257	189920	-54801.14133	961357.3170250766	39.51500621169729	-01.0009374	328624.3915551825	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
481	257	189921	-54141.14133	961357.3170250766	39.51500993936088	-00.99912393	328825.4032466421	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
482	257	189922	-53481.14133	961357.3170250766	39.51510362	-00.9988913	329026.4149711864	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
483	257	189923	-52821.14133	961357.3170250766	39.51501725918986	-00.9966532	329227.4265930494	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
484	257	189924	-52161.14133	961357.3170250766	39.51502085135522	-00.9942252	329428.4792125536	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
485	257	189925	-51501.14133	961357.3170250766	39.51502496384484	-00.9920919	329629.504293875	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
486	257	189926	-50841.14133	961357.3170250766	39.515027900187622	-00.9904541	329830.460072149	473759.64263672	304.791291618425	304.791291618425	2964.837065342876	2964.837065342876	80.05160003106731	81.8994924949248
487	257	189927	-50181.14133	961357.3170250766	39.51503136885472	-00.9977211	330031.471							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WtL	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtElev	SatHtBoth.ft
569	257	19009	3938.858673033514	91357.351730250766	39.51516110283321	-100.785491	448513.82087114645	4734569.054	2964.4287181804802	259.5301124655344	2808.595240321324	2515.2208737774345	50.93478383340198	44.39302408809993
570	257	19010	4598.85867303351	91357.351730250766	39.51516081059685	-100.7831259	446714.8186861137	4734546.03704855	2958.455930716386	2858.007156312594	2806.213672727696	2813.4371116263005	51.793484035797574	44.570400405
571	257	19011	5258.85867303351	91357.351730250766	39.5151604148	-100.7808149	446815.5164087778	4734541.0207307785	2958.468150780338	2856.48421987170714	2804.1270044233693	2810.1881268239601	52.36651489737014	46.3636612604461
572	257	19012	5918.85867303351	91357.351730250766	39.51516090930346	-100.7784768	447116.81397304264	4734540.56025892	2954.334611969085	2862.9035291248633	2802.23174475671627	2806.2473536724034	52.784763879002	48.74317555254989
573	257	19013	6738.85867303351	91357.351730250766	39.51516065236785	-100.7761388	447317.8114040159	4734542.986858289	2948.425873213214	2859.4651639573483	2800.6357441118635	2803.5887387578126	52.8594189548481	49.90642411995365
574	257	19014	7238.85867303351	91357.351730250766	39.515159190496796	-100.7738007	447518.8086811001	4734540.4296314	2946.400484296314	2852.007132290582	2799.2325671116887	2801.81335731914	52.9748517893226	50.19374855738806
575	257	19015	7898.85867303351	91357.351730250766	39.5151587253401	-100.7714627	447719.8058105059	4734544.957342346	2944.518136221396	2850.5253426022537	2798.0993034537005	2800.222421202074	52.42603914855317	50.30292140017915
576	257	19016	8558.85867303351	91357.351730250766	39.51515810393772	-100.7691246	447920.8027973394	4734540.943138602	2943.745059285823	2849.047458364964	2796.9021610394046	2798.7061724233074	52.1458727104943	50.34142094119245
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578	257	19018	9878.85867303351	91357.351730250766	39.515156947321	-100.764485	448322.796318184	4734542.917184514	2942.205611322773	2846.07039804585	2793.938085070054	2795.51264195569	52.1558092	49.546393812625
579	257	19019	10538.85867303351	91357.351730250766	39.51515614900143	-100.7621105	448523.9985878161	4734542.987925255	2939.039645	2844.623113055417	2792.253885806206	2793.1841427883304	52.36932479935375	51.5379051721129
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581	257	19021	11858.85867303351	91357.351730250766	39.51515461623881	-100.7573434	448925.7855019212	4734520.68882165	2937.51050941701	2841.66354544089	2788.61168569257	2789.688770575622	52.94783771642004	51.97483786257164
582	257	19022	12518.85867303351	91357.351730250766	39.51515371821079	-100.7550963	449126.78167048083	4734520.851881316	2922.3527667947316	2840.1755640231906	2787.7684028411895	2788.64464962846	52.4714318272103	51.730811311284605
583	257	19023	13178.85867303351	91357.351730250766	39.5151529281081	-100.7527582	449327.7776	4734512.841005233	2927.845058245497	2838.078058787313	2787.480956988726	2787.805078705005	51.19795078440455	50.872720830623
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589	257	19029	17138.85867303351	91357.351730250766	39.5151467483359	-100.7387299	450533.7504	4735384.76258984	2908.04399947259	2829.485806617534	2784.2872751180666	2784.43747711331	45.1707914967214	45.0290184622102
590	257	19030	17798.85867303351	91357.351730250766	39.51514548	-100.7363919	450734.75425499174	4735384.75024905	2898.1823997993534	2827.884010757229	2781.376267703887	2781.4194507177317	45.00557439	46.4645198599187
591	257	19031	18458.85867303351	91357.351730250766	39.51514424344444	-100.734082	450935.8301665314	4735384.75024905	2898.1823997993534	2827.884010757229	2781.376267703887	2781.4194507177317	45.00557439	46.4645198599187
592	257	19032	19118.85867303351	91357.351730250766	39.51514295565027	-100.7317158	451136.7347441812	4735376.72524612	2890.054526218553	2824.70804404028	2774.115005981265	2774.8302038519	50.0350349216417	50.5272005765914
593	257	19033	19778.85867303351	91357.351730250766	39.51514162589715	-100.7293777	451337.7259253828	4735374.71529928	2886.940174804326	2823.709148043202	2770.08347047092	2770.2238242351315	50.0252771722855	52.88523269818916
594	257	19034	20438.85867303351	91357.351730250766	39.5151409522868	-100.7270397	451538.7326227881	4735368.70340634	2883.414781542767	2821.508413061719	2765.22020109119	2765.7217341309	50.2679259260079	55.7862368440163
595	257	19035	21098.85867303351	91357.351730250766	39.51513882826964	-100.7247016	451739.7178458127	4735368.697175619	2880.535765101954	2819.907487585675	2759.678776658954	2760.8278817283	60.2827591157766	59.0791683391895
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597	257	19037	22418.85867303351	91357.351730250766	39.51513680918429	-100.720025	452141.7058625076	4735358.827	2876.302402028549	2818.30648732915	2754.15503696774	2755.875163528334	61.15164791	62.42939032045813
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601	257	19041	25058.85867303351	91357.351730250766	39.51512935201785	-100.7106733	452945.6801845555	4735340.61892554	2882.581341390815	2810.28255911365	2733.7539632324733	2729.44165849959	75.5114320826852	80.049007
602	257	19042	25718.85867303351	91357.351730250766	39.515127456049	-100.7083353	453146.674093036	4735336.6282754	2886.43789406058	2808.654587270336	2730.875195242603	2725.609935334207	77.79020647274328	83.0540519376296
603	257	19043	26378.85867303351	91357.351730250766	39.51512658159831	-100.7059972	453347.669492766	4735332.609	2892.095015729915	2807.044033367188	2730.875195242603	2725.609935334207	77.79020647274328	83.0540519376296
604	257	19044	27038.85867303351	91357.351730250766	39.5151240414687	-100.7037496	453548.674093036	4735328.59872992	2901.92103693077	2805.47173	2728.142967283957	2721.778897283957	77.79020647274328	83.0540519376296
605	257	19045	27698.85867303351	91357.351730250766	39.515122113190616	-100.7013211	453749.674093036	4735324.59070305	2910.938397607004	2803.7838544125	2724.125728146446	2720.38359377598	76.684257298053	83.4070131622771
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607	257	19047	29018.85867303351	91357.351730250766	39.51511824977929	-100.696645	454151.6341382225	4735316.573	2924.085786031665	2801.54098131383	2720.378486711306	2717.954212654964	81.3561141940772	82.8891456911592
608	257	19048	29678.85867303351	91357.351730250766	39.515116241324186	-100.694307	454352.6299178084	4735313.56450721	2920.249835972027	2798.870778369326	2718.5930340408613	2716.31256729247	80.277443	82.5562113390048
609	257	19049	30338.85867303351	91357.351730250766	39.5151141770282	-100.6919838	454553.6202917447	4735308.556	2917.441170738074	2797.71869085635	2716.844919324074	2714.886952665686	80.277443	82.5562113390048
610	257	19050	30998.85867303351	91357.351730250766	39.5151120891518	-100.689438	454754.6141262776	4735304.5481067	2916.432505804258	2797.571365301575	2715.416186513216	2713.8836139031268	80.1158181448579	81.6877467995068
611	257	19051	31658.85867303351	91357.351730250766	39.5151100914968	-100.6870586	454955.6141262776	4735300.5481067	2915.421365301575	2796.561365301575	2714.886952665686	2713.8836139031268	80.1158181448579	81.6877467995068
612	257	19052	32318.85867303351	91357.351730250766	39.51510									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatThLocs.ft	SatThBoth.ft
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82	258	190262	-317481.1413	962017.3170250766	39.51174925336438	-101.9240067	248610.38304205744	3773.765172004143	3766.558805972363	3456.558485265237	3457.373617234722	3457.70390796741	105.6852174030065	105.7361937297191
83	258	190263	-316821.1413	962017.3170250766	39.51170986202766	-101.9217689	248811.47742699655	3774.765172004143	3761.262726963196	3451.679100793047	3454.859713863414	3454.819406391435	106.72112833396335	106.7300441381612
84	258	190264	-316161.1413	962017.3170250766	39.51176263836356	-101.9194211	249011.5714	3775.719282304331	3756.719282304331	3450.300894	3452.6538414204782	3452.6104205024	107.6470529036778	107.6904172490739
85	258	190265	-315501.1413	962017.3170250766	39.51181426640678	-101.9170834	249213.66520233368	377639.40775802	3743.4384885944	3458.82404383245	3450.571331066164	3450.53176653076	108.35307241708097	108.41063483016887
86	258	190266	-314841.1413	962017.3170250766	39.5118358377241	-101.9147456	249414.7587647104	3775.7635.287	3747.350344415815	3457.550093402595	3448.479959	3448.5314272467107	109.07013475883468	109.0169115988423
87	258	190267	-314181.1413	962017.3170250766	39.51185735890396	-101.9124078	249615.85207068054	377631.167	3742.6933968121	3456.178463431703	3446.64509332455	3446.647643413933	109.5343702907150	109.504582330717702
88	258	190268	-313521.1413	962017.3170250766	39.51187883300364	-101.91007	249816.9451329604	3777627.04745655	3747.846273639112	3454.810029567607	3445.225783616026	3445.24646699046	109.5842599158158	109.545825886517
89	258	190269	-312861.1413	962017.3170250766	39.5119062462317	-101.9077328	250018.0374977857	377762.238	3743.030207910104	3453.44409375258	3444.233876988438	3444.3589883298483	109.20478540358981	109.08510474358981
90	258	190270	-312201.1413	962017.3170250766	39.51192165165792	-101.9055344	250219.130513525	3778.18.80831671	3742.706742181095	3452.80278742673	3443.242652181515	3443.359518445378	108.8767056511576	108.72076029729487
91	258	190271	-311541.1413	962017.3170250766	39.51194298334825	-101.9030567	250420.2228359657	377761.689076035	3741.328120751896	3450.7192543225561	3442.1463334225561	3442.1463334225561	108.837620832968	108.45169251473635
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93	258	190273	-310221.1413	962017.3170250766	39.511985540915006	-101.8983811	250822.406736615	377760.615240231	3740.622465172335	3448.096629999728	3440.540650120574	3440.778851154441	107.468974846707	107.23064482989757
94	258	190274	-309561.1413	962017.3170250766	39.51200674701822	-101.8960433	251023.48943173045	377760.32496223	3698.422589391103	3446.662781529962	3439.68963622471	3439.847841254123	106.97281770749123	106.8149027583904
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96	258	190276	-308241.1413	962017.3170250766	39.51204920375552	-101.891367	251425.68074013916	377759.08110592	3698.942319138328	3443.90036356868	3437.065776887755	3437.231183952032	106.9258307811255	106.753077904559
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99	258	190279	-306261.1413	962017.3170250766	39.51210121001633	-101.884354	252028.95253135353	377758.714292371	3709.184362	3440.0703148001157	3431.611773875433	3431.75219902544	108.45854802471851	108.3175489797525
100	258	190280	-305601.1413	962017.3170250766	39.51213305318215	-101.8820165	252230.2403677759	377757.762632274	3710.943836	3538.7932879566291	3429.9321734328505	3440.1145334407	108.7230242898975	108.7230242898975
101	258	190281	-304941.1413	962017.3170250766	39.51215392316453	-101.8796787	252431.1324992514	377757.85054069	3720.624059869749	3537.353363167646	3428.51748238348	3428.63711666431	108.0160539921954	108.8964202093515
102	258	190282	-304281.1413	962017.3170250766	39.5121747015277	-101.8773409	252632.221157358	377756.91674463	3726.3414336989449	3536.25073	3427.4459562152406	3427.4459562152406	108.0160539921954	108.74145279728856
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105	258	190285	-302301.1413	962017.3170250766	39.51223073317122	-101.8703275	253235.4894902761	377755.702	3728.846801438603	3526.969890910734	3426.53807375107	3426.53807375107	108.0160539921954	108.74145279728856
106	258	190286	-301641.1413	962017.3170250766	39.51225769781896	-101.8679897	253436.5781388612	377755.26366272	3728.705352901386	3531.491203783732	3425.855713063517	3425.855713063517	106.6354907169216	106.581178833574
107	258	190287	-300981.1413	962017.3170250766	39.51227832	-101.8656519	253637.6665347252	377754.81087645	3723.03189607414	3520.325817077624	3424.091530732625	3424.287172772625	106.0386474344175	106.0386474344175
108	258	190288	-300321.1413	962017.3170250766	39.51229889055796	-101.8633141	253838.7546871409	377754.69050772	3729.826806062954	3529.1719126734	3422.31410420852	3422.50488993876	106.8578077688422	106.66702624834976
109	258	190289	-299661.1413	962017.3170250766	39.51231941954846	-101.8599763	254039.8429860382	377754.69050772	3730.621717138679	3528.026451412808	3426.032659127803	3426.032659127803	106.8578077688422	106.66702624834976
110	258	190290	-299001.1413	962017.3170250766	39.5123399315552	-101.8585834	254240.9302618915	377754.69050772	3731.416273410238	3528.88975793921	3426.573215481325	3426.573215481325	107.2195911871772	107.2195911871772
111	258	190291	-298341.1413	962017.3170250766	39.51236031547644	-101.8563006	254442.0176848254	377753.34958507	3732.426711788273	3525.754311323204	3419.039749730438	3418.502640406886	107.4156159076934	107.2195911871772
112	258	190292	-297681.1413	962017.3170250766	39.51238073	-101.8539628	254643.104865047	377752.39167848	3733.65196951782	3524.623403911664	3418.613666420991	3418.613666420991	106.0098739820826	106.935862502158
113	258	190293	-297021.1413	962017.3170250766	39.51240108291528	-101.851625	254844.1918027534	377752.12	3734.87722732717	3523.493668855786	3418.096815237166	3418.096815237166	105.715789	105.3975161844215
114	258	190294	-296361.1413	962017.3170250766	39.51242138551084	-101.8492872	255045.2749815242	377752.006105971	3736.10248956591	3522.363725839507	3416.9182	3416.9182	105.44476632907708	105.44476632907708
115	258	190295	-295701.1413	962017.3170250766	39.51244164362812	-101.8469484	255246.3649514522	377751.859244175	3738.24885126157	3521.230813457394	3415.345494943214	3415.345494943214	105.44476632907708	105.44476632907708
116	258	190296	-295041.1413	962017.3170250766	39.51246185624635	-101.8446115	255447.4611623595	377751.77819078	3742.31630214252	3510.170162101651	3410.170162101651	3410.170162101651	105.44476632907708	105.44476632907708
117	258	190297	-294381.1413	962017.3170250766	39.512482237	-101.8422377	255648.532235388	377750.66456621	3745.18479337120672	3508.750010196966	3424.020573748888	3424.020573748888	112.197921920752	112.197921920752
118	258	190298	-293721.1413	962017.3170250766	39.512502146016125	-101.8399359	255849.6229607577	377750.55150896	3726.451265141167	3517.792848479522	3403.593440384267	3419.907915026622	111.990444109534	107.8849379090017
119	258	190299	-293061.1413	962017.3170250766	39.51252222315761	-101.8379881	256050.7044773678	377749.437951843	3727.934794146358	3516.624901580646	3400.603504704095	3415.53776763831	111.990444109534	107.8849379090017
120	258	190300	-292401.1413	962017.3170250766	39.51254225514014	-101.8352603	256251.79369362674	377749.242068456	3721.872211081176	3515.441323056469	3397.725896	3411.8460763977537	111.7152363019156	105.9505590789604
121	258	190301	-291741.1413	962017.3170250766	39.512562241963614	-101.8329224	256462.8786986375	377749.242068456	3719.719790771994	3514.238963206328	3397.725896	3411.8460763977537	111.7152363019156	105.9505590789604
122	258	190302	-291081.1413	962017.3170250766	39.51258213328055	-101.8305846	256663.9634302255	377749.242068456	3717.71792484118	3513.01535079955	3392.4133164614	3408.399703694217	104.6153436387379	104.6153436387379
123	258	190303	-290421.1413	962017.3170250766	39.512602193142605	-101.8280909	256865.0273226083	377748.751914584	3715.597350540053	3510.499333374493	3387.724017342483	3413.01535079955	104.6153436387379	104.6153436387379
124	258	190304	-289761.1413	962017.3170250766	39.51262193142605	-101.825711	257057.2163423835	377747.76382698	3708.872787893617	3509.266848911495	3385.746357	3412.21267840218	104.6153436387379	104.6153436387379
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ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRELEVLogKgr	BRELEVLogKgr	SatHLogKgr	SatHLogKgr
207	258	190387	-234981.1413	962017.3170250766	36.51411216491677	-01.6318649	273745.310837841	3771.38.320158557	3487.099697198485	3240.3773163311945	3242.3283075576184	3257.2014255348813	160.040098973571	145.17589099631323
208	258	190388	-234321.1413	962017.3170250766	36.51412822276854	-01.6292629	273948.37569181935	3771.36.22125302	3479.439027574754	3401.11026505177	3401.11026505177	3258.03732098389	159.10493308041287	143.1062974512388
209	258	190389	-233661.1413	962017.3170250766	36.51416020295597	-01.6271489	274147.44030710874	3771.36.03730764	3471.778483192244	3399.812598926246	3241.70.19071823146	3258.07894021147	158.12293718545345	140.9601497167177
210	258	190390	-233001.1413	962017.3170250766	36.51416020295597	-01.628511	274348.5046998581	3771.36.03730833	3464.117873875454	3398.539981164216	3241.4303767415704	3259.7589692278606	157.1096141985117	138.78070933456098
211	258	190391	-232341.1413	962017.3170250766	36.51417612535149	-01.6225131	274549.56887027307	3771.37.145315959	3460.684651305097	3397.234633561458	3241.2779505926985	3260.7035040172937	155.95740300215948	136.531125641431
212	258	190392	-231681.1413	962017.3170250766	36.51417020525487	-01.6201752	274750.631835587	3771.37.85212439	3461.478795081362	3395.9139642304795	3241.331607629106	3261.7536236007496	154.582356900768	134.1606039900506
213	258	190393	-231021.1413	962017.3170250766	36.51420734596085	-01.6178373	274951.6965449209	3771.37.75918048	3462.272934027354	3394.5790301749845	3241.1002207507875	3262.77915842555	153.75771009919693	131.79671712564169
214	258	190394	-230361.1413	962017.3170250766	36.51422362147507	-01.6154993	275160.96705665	3771.39.66440799	3463.067297283676	3393.2182640246106	3241.002535596379	3264.0980417060946	152.19142842823157	129.102223185297
215	258	190395	-229701.1413	962017.3170250766	36.51422936545296	-01.6131514	275353.8233270146	3771.35.73810747	3463.778483192244	3391.839845571187	3241.054607145106	3266.041675946937	151.731626959671	126.75447598635715
216	258	190396	-229041.1413	962017.3170250766	36.51425550	-01.610823	275554.886545305	3771.36.014591196	3463.84172445485	3390.4343135124204	3241.162781890303	3269.6302607582003	149.27153116200312	120.840527272201
217	258	190397	-228381.1413	962017.3170250766	36.5142701113846	-01.608485	275755.943252598	3770.0739	3464.098252744677	3388.002078065185	3241.165224769557	3271.3887267178116	147.8398302605115	117.6131426820436
218	258	190398	-227721.1413	962017.3170250766	36.514286317368295	-01.6061476	275957.011855072	3770.093.29761727	3464.345156	3393.92688892457	3241.3826507832404	3267.0816347837575	146.15641810600528	120.4576251504818
219	258	190399	-227061.1413	962017.3170250766	36.51430187843576	-01.6038097	276158.0748524416	3770.09.29761727	3461.655957074784	3386.0425848004	3241.187668869237	3263.323388947714	127.7134369032915	122.7134369032915
220	258	190400	-226401.1413	962017.3170250766	36.51431739430405	-01.6014717	276359.1364239006	3770.08.114495127	3456.025817031794	3384.5110708296374	3241.669661031749	3262.338293671338	142.84140995119424	123.9673405916266
221	258	190401	-225741.1413	962017.3170250766	36.51433658063651	-01.5991338	276698.19839129653	3770.07.123254645	3450.3969775199754	3382.547778306454	3242.2615181490546	3268.033164971539	142.84140995119424	123.9673405916266
222	258	190402	-225081.1413	962017.3170250766	36.5143620636373	-01.5967958	276761.26012961764	3770.78.032232099	3444.76533742571	3381.338696072115	3242.9207603813085	3256.024624260145	138.41815176900936	125.312223115977
223	258	190403	-224421.1413	962017.3170250766	36.51436367108146	-01.5944579	276962.3216480721	3770.78.841423849	3437.964753099845	3379.6950918860514	3243.558615645216	3256.05733448133	136.1092302319798	125.637743889914
224	258	190404	-223761.1413	962017.3170250766	36.5143790033669	-01.59212	277163.362466696	3770.77.851	3428.995323599161	3378.018050297891	3244.141814	3252.105573930946	125.637743889914	125.637743889914
225	258	190405	-223101.1413	962017.3170250766	36.5143932642936	-01.589782	277364.444	3770.66.450841	3428.121840683948	3376.3079425764	3244.39347192278	3250.052275548693	131.9145220654863	126.2457369992488
226	258	190406	-222441.1413	962017.3170250766	36.51440954135947	-01.5874441	277565.5048630706	3770.66.450841	3414.052065	3374.5695643215095	3244.052065	3247.774865773981	130.51659290759926	126.791107547618
227	258	190407	-221781.1413	962017.3170250766	36.51442474112699	-01.5851061	277766.5652736013	3770.66.450841	3404.569402536174	3372.8132546827067	3242.8132546827067	3245.00360604385	129.997027	127.7869602070151
228	258	190408	-221121.1413	962017.3170250766	36.51443986571857	-01.5827862	277967.6254957894	3770.62.390024295	3405.515323515657	3371.035471506068	3242.502420879567	3241.705326527448	130.5130506310113	127.389809786199
229	258	190409	-220461.1413	962017.3170250766	36.514454774110025	-01.580429	278175.042790044	3770.62.390024295	3406.48454349694	3368.04819836864	3242.502420879567	3241.705326527448	130.5130506310113	127.389809786199
230	258	190410	-219801.1413	962017.3170250766	36.51447006945365	-01.5780293	278369.7461	3770.62.390024295	3407.51539054520537	3367.4557100807925	3233.97652540333	3233.9438048315556	133.47490844053694	133.6125042496169
231	258	190411	-219141.1413	962017.3170250766	36.51448508857046	-01.5757543	278570.805095729	3770.62.390024295	3408.6754800621374	3362.504961293538	3230.54961293538	3230.54961293538	135.1079473587354	135.1079473587354
232	258	190412	-218481.1413	962017.3170250766	36.5145006252457	-01.5734164	278771.86545421486	3770.62.390024295	3409.905504	3362.50720805313	3228.1806511195323	3227.8023096260304	135.6755689962697	136.054981825009
233	258	190413	-217821.1413	962017.3170250766	36.51451498131587	-01.5710784	278972.92478534233	3770.61.1535396	3407.235544248435	3363.0574527440504	3228.321147106282	3228.299485914733	133.7363056377885	133.7363056377885
234	258	190414	-217161.1413	962017.3170250766	36.51452987494438	-01.5687405	279173.98389987074	3770.62.390024295	3404.51464616818	3360.260456	3228.673696	3228.673696	131.58676057359205	131.2373764464963
235	258	190415	-216501.1413	962017.3170250766	36.514544774110025	-01.566429	279375.042790044	3770.62.390024295	3405.515323515657	3368.04819836864	3242.502420879567	3241.705326527448	130.5130506310113	127.389809786199
236	258	190416	-215841.1413	962017.3170250766	36.5145605712667	-01.564046	279570.180193469	3770.61.68041937	3404.51464616818	3360.260456	3228.673696	3228.673696	131.58676057359205	131.2373764464963
237	258	190417	-215181.1413	962017.3170250766	36.51457458548282	-01.5617266	279777.1595039093	3770.61.59260997	3429.7976784823513	3353.9036053701307	3217.662011628997	3217.6757800472264	137.2415937414139	137.2415937414139
238	258	190418	-214521.1413	962017.3170250766	36.5145898782963	-01.5593887	279978.2181810922	3770.61.59260997	3433.14053902615	3353.14053902615	3217.662011628997	3217.6757800472264	137.2415937414139	137.2415937414139
239	258	190419	-213861.1413	962017.3170250766	36.514603615643914	-01.5570507	280179.27620970378	3770.07.814	3405.1960397391626	3351.3743571210994	3215.5927302385608	3215.0982740961017	136.718268825368	136.718268825368
240	258	190420	-213201.1413	962017.3170250766	36.51461822829504	-01.5547127	280380.334019504	3770.03.3504609	3459.021032713681	3349.625300365083	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
241	258	190421	-212541.1413	962017.3170250766	36.51463275678313	-01.5523748	280581.39816180361	3770.699423050598	3467.89172640169	3348.786762591047	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
242	258	190422	-211881.1413	962017.3170250766	36.51464731180224	-01.5501039	280792.489891685	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
243	258	190423	-211221.1413	962017.3170250766	36.51466179527072	-01.5478989	280983.506162532	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
244	258	190424	-210561.1413	962017.3170250766	36.514676272269184	-01.5453609	281184.563113936	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
245	258	190425	-209901.1413	962017.3170250766	36.514690611412155	-01.5430229	281385.6199448183	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
246	258	190426	-209241.1413	962017.3170250766	36.51470485578482	-01.540685	281586.676432146	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
247	258	190427	-208581.1413	962017.3170250766	36.51471922294335	-01.538347	281787.732766632	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
248	258	190428	-207921.1413	962017.3170250766	36.51473393400656	-01.536049	281988.7885530921	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
249	258	190429	-207261.1413	962017.3170250766	36.514748619894833	-01.533731	282190.3005395163	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
250	258	190430	-206601.1413	962017.3170250766	36.51476317084358	-01.531331	282390.3005395163	3770.69.94230598	3469.15815787051	3346.1617462497	3208.9509521197	3214.7073316834815	140.670243511322	134.9017613209766
251	258	190431												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
332	258	190513	-151821.1413	962017.3170250766	39.51577973910966	-101.3372789	299077.79369052275	4376624.163	3382.205739879702	3302.7110216057635	3096.599488082768	3100.648684	106.115335679956	102.06251577147335
334	258	190514	-15191.1613	962017.3170250766	39.515790116129495	-101.3348408	299278.8320021777	476620.0951713635	3371.38397398817	3201.44785858527	3096.1302958823753	3098.801707263157	102.736627051237145	102.64615132327345
335	258	190515	-150501.1413	962017.3170250766	39.51580045816278	-101.3326829	299479.8701980145	476616.629	3380.518959271322	3200.178509892331	3096.508588913458	3094.508588913458	104.29820365777706	104.29820365777706
336	258	190516	-149841.1413	962017.3170250766	39.5158107607081	-101.3302648	299680.9791277377	611671.962349839	3379.61093633019	3198.902316104958	3096.610818341545	103.16003035106041	102.91457277080221	102.91457277080221
337	258	190517	-149181.1413	962017.3170250766	39.51582099179354	-101.3279627	299881.9460000545	706767.895901985	3378.720914545437	3181.678168119383	3095.738376486221	3096.2363423360586	103.971897162116198	101.380862578322433
338	258	190518	-148521.1413	962017.3170250766	39.5158317350595	-101.3255887	300082.9630066693	8376603.83	3379.749804567483	3196.323449041916	3095.95440273848	3096.361678471904	100.36801421634366	99.96175601600089
339	258	190519	-147861.1413	962017.3170250766	39.51584131974303	-101.3232506	300284.0210172892	476599.63912854	3376.295863242809	3195.018039709273	3096.356823148957	3096.599955598224	98.6616573947747	98.6180411445072
340	258	190520	-147201.1413	962017.3170250766	39.51585142	-101.3209126	300485.0582	476595.69811951	3374.205892053476	3182.7022564341773	3096.896515432412	3097.0920924192524	96.7401419996514	96.7401419996514
341	258	190521	-146541.1413	962017.3170250766	39.51586146703114	-101.3181746	300686.992513645	476594.932891522	3372.115904787954	3200.178509892331	3097.5248917135952	3097.5248917135952	94.84778566522491	94.758278566522491
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377	258	190557												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SurfBothKgr.f	SatThBoth.f
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461	258	190641	-67941.14133	962017.3170250766	39.51673681981319	-101.038061	224899.1784639783	373615.3234721616	3140.611672	2022.804714926218	2939.076869208854	2937.721890193095	58.50175367327256	85.50717357027256
462	258	190642	-66681.14133	962017.3170250766	39.51674427484406	-101.035648	225133.91555876	376101.238290363	3021.432381989494	2023.831989494	2938.769964566505	2936.5067497125	58.627604203344	84.67574604236916
463	258	190643	-66621.14133	962017.3170250766	39.51674881561658	-101.0332299	225211.2082176005	376097.244357639	3136.15673627539	2020.099338016747	2938.2762120710736	2936.5120527784143	58.7867259593431	83.54728525200244
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476	258	190656	-57441.14133	962017.3170250766	39.51680373539457	-101.0029346	227824.3830970044	376044.75078531	3092.191566295366	2002.191566295366	2929.139484029765	2928.504136499745	58.7052061779369	73.7414031286158
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494	258	190674	-45561.14133	962017.3170250766	39.516867178514026	-100.9604849	231442.5805075454	375972.125786352	3024.254024910158	1975.370354462245	2899.6789527756707	2900.474336509747	58.7368509747	67.8272871938697
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496	258	190676	-44241.14133	962017.3170250766	39.51687322218168	-100.9561726	231844.5991	375964.01706866	3020.235035557335	1971.592676108432	2900.324003612192	2900.324003612192	58.7368509747	67.8272871938697
497	258	190677	-43581.14133	962017.3170250766	39.51687637226451	-100.9538345	232045.6080781206	375960.02948002	3018.56875284811	1969.613970875597	2900.0363744794	2900.0363744794	58.7368509747	67.8272871938697
498	258	190678	-42921.14133	962017.3170250766	39.516879287180025	-100.9514964	232246.6168414015	375955.997481489	3017.8382470138877	1968.053664339897	2900.9481680430584	2900.9481680430584	58.7368509747	67.8272871938697
499	258	190679	-42261.14133	962017.3170250766	39.516882201928176	-100.9491583	232447.6256416651	375951.96587948	3017.0717314942	1966.57925423338	2900.2791278713473	2900.2791278713473	58.7368509747	67.8272871938697
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501	258	190681	-40941.14133	962017.3170250766	39.516888169604154	-100.944487	232849.6456454646	375943.3078378	3015.494442258875	1964.298445518181	2900.4287673354488	2900.4287673354488	58.7368509747	67.8272871938697
502	258	190682	-40281.14133	962017.3170250766	39.51689057515094	-100.9421439	233045.6509	375939.787	3014.704541751036	1963.4589696963	2900.28407571324	2900.28407571324	58.7368509747	67.8272871938697
503	258	190683	-39621.14133	962017.3170250766	39.51689340924866	-100.9398058								

ix	iy	ix	iy	X.fff	Y.fff	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRIElevLogKrg.f	BRIElevBothKrg.f	SatThkLog.f	SatThkBoth.f
585	19676	14848.85867303351	92017.3170250766	35.16963898842654	-70.07480809	34973.78648315213	4375606.026148398	2926.7046618673417	2835.774537057307	2788.0697730183215	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541
586	19676	15158.85867303351	92017.3170250766	35.169628402039	-70.0745268	34993.78178103326	4375602.012362539	2926.7046618673417	2835.774537057307	2788.0697730183215	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541
587	19676	15818.85867303351	92017.3170250766	35.169618402039	-70.0743466	35181.7448174295	4375597.899716207	2926.7046618673417	2835.774537057307	2788.0697730183215	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541
588	19676	16478.85867303351	92017.3170250766	35.1696071887278	-70.0741065	35383.72204189566	4375593.863966749	2926.7046618673417	2835.774537057307	2788.0697730183215	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541	2788.356968989541
589	19676	17138.85867303351	92017.3170250766	35.1695966584801	-70.07387284	35053.766905374	4375589.947129766	2908.964969493386	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
590	19676	17798.85867303351	92017.3170250766	35.1695837055736	-70.07363903	35073.7616244593	4375586.16554227	2901.076575923287	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
591	19676	18458.85867303351	92017.3170250766	35.1695713239597	-70.07340522	35093.75619936106	4375581.943922947	2896.65654229287	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
592	19676	19118.85867303351	92017.3170250766	35.169564656873	-70.07317411	35114.7506302822	4375579.9373424705	2892.704975027365	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
593	19676	19778.85867303351	92017.3170250766	35.1695515573985	-70.0729276	35131.7448174295	4375577.925036308	2892.704975027365	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
594	19676	20438.85867303351	92017.3170250766	35.1695315841175	-70.0727073	35142.730910705	4375579.9373424705	2892.704975027365	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
595	19676	21098.85867303351	92017.3170250766	35.1695171806207	-70.0724968	351743.7306122306	4375565.902	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
596	19676	21758.85867303351	92017.3170250766	35.1695025158489	-70.07223617	351944.7269182806	4375561.891259201	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
597	19676	22418.85867303351	92017.3170250766	35.16948739920224	-70.07200236	35214.7260233836	4375558.80268048	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
598	19676	23078.85867303351	92017.3170250766	35.169471830811	-70.07176854	35236.71420374326	4375553.86948747	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
599	19676	23738.85867303351	92017.3170250766	35.1694581088514	-70.07153473	35247.7037256087	4375549.88881286	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
600	19676	24398.85867303351	92017.3170250766	35.16943833921446	-70.0713092	352748.7009194094	4375545.84856566	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
601	19676	25058.85867303351	92017.3170250766	35.1694224158682	-70.07106711	352949.694039247	4375541.83421848	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
602	19676	25718.85867303351	92017.3170250766	35.1694054040849	-70.070833	35310.687065817	4375537.82489566	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
603	19676	26378.85867303351	92017.3170250766	35.1693872	-70.0705949	35331.6789625487	4375533.81809661	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
604	19676	27038.85867303351	92017.3170250766	35.1693698	-70.0703658	35352.6724651768	4375531.8726212745	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
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606	19676	28358.85867303351	92017.3170250766	35.16933102402478	-70.069906	35394.6570603822	4375521.79067846	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
607	19676	29018.85867303351	92017.3170250766	35.1693105412218	-70.0696471	35416.75745734	4375518.67006387	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
608	19676	29678.85867303351	92017.3170250766	35.1692910355555	-70.0694034	35436.6241114506	4375513.73345495	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
609	19676	30338.85867303351	92017.3170250766	35.169270768245	-70.0691663	35457.634126137	4375509.76489952	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
610	19676	31000.85867303351	92017.3170250766	35.16924978040926	-70.0689281	35478.6260058736	4375505.75668155	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
611	19676	31660.85867303351	92017.3170250766	35.1692283403197	-70.0686729	35499.6917743356	4375501.78482093	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
612	19676	32320.85867303351	92017.3170250766	35.1692034455574	-70.0684918	35510.609324142	4375497.74081754	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
613	19676	32980.85867303351	92017.3170250766	35.1691840511775	-70.0682618	35531.6076402277	4375493.733215135	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
614	19676	33640.85867303351	92017.3170250766	35.169163100295	-70.0680257	35552.6724651768	4375489.725036308	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
615	19676	34300.85867303351	92017.3170250766	35.16914380632195	-70.0677876	35573.5833	4375485.71854013	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
616	19676	34960.85867303351	92017.3170250766	35.1691241	-70.0675595	35594.6754127339	4375481.712	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
617	19676	35620.85867303351	92017.3170250766	35.16910092146247	-70.06732614	35616.655210452	4375477.704921651	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
618	19676	36280.85867303351	92017.3170250766	35.169085128163	-70.0670923	35636.559570177	4375473.48367744	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
619	19676	36940.85867303351	92017.3170250766	35.169060593416	-70.0668582	35657.546915884	4375469.60044983	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
620	19676	37600.85867303351	92017.3170250766	35.169040155417835	-70.0666218	35678.535745734	4375465.6806387	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
621	19676	38260.85867303351	92017.3170250766	35.1690197902482	-70.0663909	35699.574194664	4375461.680014937	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.1260611409193
622	19676	38920.85867303351	92017.3170250766	35.168996288446	-70.06615709	35710.751626545	4375457.67431375	2882.77748387387	2829.592117041473	2781.907740302416	2782.1260611409193	2782.1260611409193	2782.1260611409193	2782.126061140	

ix	iy	icr	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRRElevKgs.ft	BRRElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
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712	258	100892	98318.85867307335	962017.3170250766	39.51647362381716	-100.4511424	752529.0979053113	4735096.027070022	2724.492467513477	2532.5748964533175	2532.6172089724076	95.21621087	95.17396644	
713	258	100893	98638.85867307335	962017.3170250766	39.51646688176789	-100.4480433	754649.0748318434	4735044.04050473	2718.006607676324	2529.8335257793182	2529.8840421357138	95.913448338505	95.913448338505	
714	258	100894	99638.85867307335	962017.3170250766	39.51646005555147	-100.4446462	756617.0548421215	4735090.054238935	2705.520846517915	2523.60385205595	2526.90401587646	96.2186180513571	96.6997502281033	
715	258	100895	100268.85867307335	962017.3170250766	39.51645324416884	-100.4441282	75862.0333034715	4735086.068	2702.581270955733	2621.5502226558667	2524.523407810177	97.0259128456862	97.16637171	
716	258	100896	100958.85867307335	962017.3170250766	39.5164435761626	-100.4417901	760603.0133997575	4735082.042429079	2706.2173502596805	2619.523004477307	2523.3679359162943	98.20371318133251	98.317138133251	
717	258	100897	101618.85867307335	962017.3170250766	39.51643942509056	-100.439452	76263.9894513981	4735076.096796318	2709.844599113387	2617.5410396149992	2523.503871888514	98.5025917644586	98.5025917644586	
718	258	100898	10258.85867307335	962017.3170250766	39.516434249041835	-100.4371139	76464.9648738244	4735074.111	2713.471263173117	2615.853560733512	2524.22802921551	98.34576315	98.34576315	
719	258	100899	10268.85867307335	962017.3170250766	39.516425698917679	-100.4347759	76665.9452016253	4735070.126	2719.9819244552	2613.85416851154	2524.1986452554623	98.5855273569185	98.5855273569185	
720	258	100900	103598.85867307335	962017.3170250766	39.51641835975454	-100.4323478	76866.9228979189	4735066.11162643	2717.406618305461	2611.70523373984	2525.304853968177	98.855240526528	98.855240526528	
721	258	100901	104258.85867307335	962017.3170250766	39.516411247372924	-100.4300997	77067.00647819377	4735062.156372904	2708.2131	2609.76919567956	2525.339420628434	98.6258710262203	98.6258710262203	
722	258	100902	104918.85867307335	962017.3170250766	39.51640409	-100.4277616	772768.8718411906	4735058.17793942	2706.23598242279	2608.002186	2524.902689538174	98.80949686	98.7972806740042	
723	258	100903	10558.85867307335	962017.3170250766	39.51639688711045	-100.4254236	77469.85528713407	4735054.187	2703.69125874822	2606.1507308782234	2524.079942717408	98.87196816081548	98.87196816081548	
724	258	100904	106238.85867307335	962017.3170250766	39.5163963292957	-100.4230855	77670.8312616295	4735050.23268155	2701.1871278074796	2604.3117136934375	2523.0151847537006	98.9265283913684	98.9265283913684	
725	258	100905	106968.85867307335	962017.3170250766	39.516383235	-100.4207474	77871.8696263946	4735046.21923131	2698.468279377397	2602.4834270419484	2521.6854292078897	98.97196796650472	98.97196796650472	
726	258	100906	10758.85867307335	962017.3170250766	39.5163750076965	-100.4189139	78072.78652459424	4735042.23585209	2696.17889540474	2600.9643467381837	2521.673567	98.9907797056347	98.9907797056347	
727	258	100907	108218.85867307335	962017.3170250766	39.51636762548863	-100.4160713	78274.7635041354	4735038.25697758	2693.550307022355	2598.85134166758	2522.319818933458	98.9853123330007	98.9853123330007	
728	258	100908	10898.85867307335	962017.3170250766	39.516360196042235	-100.4137332	78474.740729655	4735029.26874506	2697.0779965291	2597.04064672327	2522.374236570454	98.9853123330007	98.9853123330007	
729	258	100909	109538.85867307335	962017.3170250766	39.516352722329515	-100.413951	78675.7186158413	4735030.286	2688.0617961287	2595.2512345381638	2521.17071834582	98.9853123330007	98.9853123330007	
730	258	100910	110198.85867307335	962017.3170250766	39.5163452034506	-100.4090571	78876.69344852036	4735026.30274738	2685.81594573313	2593.4586427450428	2519.511765127266	98.9853123330007	98.9853123330007	
731	258	100911	110858.85867307335	962017.3170250766	39.51633739340509	-100.406719	79077.6986648598	4735022.3306479	2681.91687584362	2591.670649291785	2517.45908926042	98.9853123330007	98.9853123330007	
732	258	100912	11158.85867307335	962017.3170250766	39.516330019341	-100.404309	79278.6746162414	4735018.722926967	2677.847102616566	2589.86469533276	2515.26586579948	98.9853123330007	98.9853123330007	
733	258	100913	11218.85867307335	962017.3170250766	39.51632179051509	-100.401813	79479.6515650916	4735014.35531183	2674.91362178511	2587.106110798511	2513.321825472817	98.9853123330007	98.9853123330007	
734	258	100914	11238.85867307335	962017.3170250766	39.51631467721236	-100.3997408	79680.598427313	4735010.372302432	2669.719292039073	2586.35837392056	2510.418518263243	98.9853123330007	98.9853123330007	
735	258	100915	11348.85867307335	962017.3170250766	39.51630693156076	-100.3973667	79881.5743818796	4735006.9134111	2664.381555280625	2584.556142612506	2508.5101197384106	98.9853123330007	98.9853123330007	
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739	258	100919	11618.85867307335	962017.3170250766	39.51627591069604	-100.388146	80685.4770688224	4734990.46781854	2640.4679681423	2576.482706817423	2504.892438296814	98.9853123330007	98.9853123330007	
740	258	100920	11718.85867307335	962017.3170250766	39.51626791351509	-100.385764	80886.48539706	4734986.13333107217	2637.716790191357	2574.81833082115	2499.7851641913	98.9853123330007	98.9853123330007	
1	259	100921	370941.1413	962677.3170250766	39.511654107864494	-102.114463	232325.04937250732	378187.81567813	3898.8912979743994	3670.6273300027396	3605.147828009413	3605.47500199	65.1497617498827	
2	259	100922	3702981.1413	962677.3170250766	39.51167948698445	-102.1113846	232526.14625207353	378183.47786733	3905.0239025786496	3670.41721235716	3603.273699773535	3603.831898136808	65.157286295	
3	259	100923	369621.1413	962677.3170250766	39.51170748491733	-102.1088089	232727.278880028	378179.339133337	3903.0614390791331	3668.1941915108755	3604.6509241398753	65.143267371000184	63.78939374	
4	259	100924	368961.1413	962677.3170250766	39.511730055711126	-102.1064712	232928.3932374058	378175.21006818	3906.97413514097165	3668.97413514097165	3601.8254641056	65.14715886979702	64.991712167053075	
5	259	100925	368301.1413	962677.3170250766	39.51175528139158	-102.1041338	233129.50725925802	378171.06291653	3907.907585458572	3665.7505380197164	3602.143875215737	65.002893945780613	63.66618138599185	
6	259	100926	367841.1413	962677.3170250766	39.51178045183329	-102.101745	233320.15615650916	378169.25	3908.1296338984	3664.5238168169	3602.40895442121	65.1149625505924	62.2857923219646	
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9	259	100929	365661.1413	962677.3170250766	39.51185573235214	-102.0947826	233933.9610352152	378151.57222961	3993.814594	3660.820205036188	3597.884023336415	65.017925936617	61.64961818025435	
10	259	100930	365001.1413	962677.3170250766	39.51188073221438	-102.0924449	234135.0732481436	378150.3761166	3991.27155386193	3659.574199186382	3595.133585438683	65.019413801764904	64.64486162435761	
11	259	100931	364341.1413	962677.3170250766	39.51190568992121	-102.0901072	234336.1863237046	378146.2389602	3988.67432397015	3598.33579291857	3592.166754908765	65.019413801764904	64.64486162435761	
12	259	100932	363681.1413	962677.3170250766	39.5119350947296	-102.0877694	234537.2965744172	378142.10252461	3984.672629679164	3598.119315622119	3588.91360451399	65.0328515891992	64.24272193288207	
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16	259	100936	361041.1413	962677.3170250766	39.51202978312228	-102.0784185	235341.7442480348	378125.558224392	3969.07736838225	3592.008239191214	3577.7195434325272	65.0328515891992	64.24272193288207	
17	259	100937	360381.1413	962677.3170250766	39.51205446859353	-102.0760808	235542.8558568304	378121.42273363	3965.3319574105	3590.724686978513	3575.292106025958	65.0328515891992	64.24272193288207	
18	259	100938	359721.1413	962677.3170250766	39.51207910551304	-102.073743	235743							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
97	259	19107	-307581.1413	962677.3170250766	39.5138286022468	-101.889057	16200.89888109148	4377791.284619612	3697.639191959573	3541.498672088820	3434.618977742806	3434.798772272224	362.9672931453973	106.69874869169792
98	259	19108	-306821.1413	962677.3170250766	39.51390386625546	-101.886719	251831.9894	4377787.166649921	3698.0254949122	3540.13904715266	3432.996321121203	3433.093495272246	361.197209642605	107.09554760299125
99	259	19109	-306261.1413	962677.3170250766	39.51392489768786	-101.884318	253033.079463172	4377783.346807852	3702.76644911831	3538.99894911831	3431.502837812856	3431.4210326378568	361.17346164698695	107.0486164698695
100	259	19120	-305601.1413	962677.3170250766	39.51394580277928	-101.882043	253274.1693504712	4377780.3313737669	3706.720964742803	3527.60208422027	3429.7394260130623	3429.639902011536	361.880564671649	107.07632436807353
101	259	19121	-304841.1413	962677.3170250766	39.51396669	-101.8797056	252435.2589908059	4377778.41035697	3714.685480259904	3536.355547316474	3428.37902597344	3428.4339880740577	361.9752262191345	107.0715594224027
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103	259	19123	-303621.1413	962677.3170250766	39.5140033889938	-101.8750299	252837.43752621394	4377766.58039717	3723.951270055787	3533.87270055787	3426.6660422009763	3426.7752262191345	361.9752262191345	107.0715594224027
104	259	19124	-302961.1413	962677.3170250766	39.51402903935379	-101.872892	253038.5264277728	4377762.46365701	3724.608040050776	3532.652791486589	3426.5187338822	3426.628390753672	361.319180983673	106.0238807
105	259	19125	-302301.1413	962677.3170250766	39.51404963084864	-101.8705452	253239.6150841871	4377718.346807852	3725.295964022634	3531.446640091191	3426.9485389304184	3427.202133824042	361.40497101667539	107.0486164698695
106	259	19126	-301641.1413	962677.3170250766	39.51407046858326	-101.868013	253440.70349715024	4377754.23695546	3725.90097996398	3529.053673874014	3426.7216633912494	3427.145705	361.532212	103.10417039195161
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109	259	19129	-299661.1413	962677.3170250766	39.51413219183174	-101.8610027	254043.9627441676	4377741.88323018	3728.37116941416	3526.74777431705	3420.9278941965426	3421.7590004425697	361.498832316225	107.7888776989132
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111	259	19131	-298341.1413	962677.3170250766	39.51417311486499	-101.856327	254448.1419095999	4377733.765294341	3729.047115236382	3524.489196226235	3419.4942653602197	3419.657390902108	361.9562732654226	104.8741395735726
112	259	19132	-297681.1413	962677.3170250766	39.514193308641895	-101.8539891	254647.2288635767	4377729.537747885	3731.132886455464	3523.305779169271	3419.55212565867	3419.80018098167	361.9562732654226	104.8741395735726
113	259	19133	-297021.1413	962677.3170250766	39.514213857258916	-101.851612	254848.31567467725	4377725.423	3732.836395	3522.163896307044	3420.30722030905	3420.30410988289	361.856675997934	101.6268831677593
114	259	19134	-296361.1413	962677.3170250766	39.51423416071605	-101.8493133	255049.4020434775	4377721.308502703	3734.5937322482855	3521.021622823885	3422.16145356266	3421.45144170434	361.95897926125254	104.78881724548403
115	259	19135	-295701.1413	962677.3170250766	39.51425441901324	-101.8469755	255250.48827018787	4377717.194020316	3734.87252805474	3519.87701208124	3414.8986348667277	3414.9787722640658	361.9783721451333	104.89908847657523
116	259	19136	-295041.1413	962677.3170250766	39.514274632150446	-101.8446376	255451.57425500744	4377713.08011218	3731.300420128025	3518.729661348502	3410.794454288907	3424.7671348502	361.93603574474468	104.78881724548403
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119	259	19139	-293061.1413	962677.3170250766	39.5143349118969	-101.837614	256059.1378344048	4377740.21414698	3728.291685406984	3517.817804760825	3405.889492785455	3410.521706704393	361.95897926125254	104.78881724548403
120	259	19140	-292401.1413	962677.3170250766	39.51435503310863	-101.8352861	256255.9187949358	4377696.625045456	3720.9544921225816	3515.044081984073	3397.57429703065	3405.9093937162	361.95897926125254	104.78881724548403
121	259	19141	-291741.1413	962677.3170250766	39.51437502044531	-101.8329482	256457.0006579678	4377678.512942955	3718.678650749731	3512.83458435323	3394.7696436582407	3407.2290707639627	361.95897926125254	104.78881724548403
122	259	19142	-291081.1413	962677.3170250766	39.51439462621814	-101.8306103	256658.05019578574	4377684.40155309	3716.202375768206	3511.609517614623	3392.29995390507	3407.38148015323	361.95897926125254	104.78881724548403
123	259	19143	-290421.1413	962677.3170250766	39.51441485963807	-101.828274	256859.16994316027	4377687.7883497	3713.869723860437	3510.36382115521	3389.732163345397	3407.38148015323	361.95897926125254	104.78881724548403
124	259	19144	-289761.1413	962677.3170250766	39.51443471149398	-101.825945	257060.23530925953	4377680.175227524	3711.0809606005536	3509.10430704094	3387.511490104333	3407.38148015323	361.95897926125254	104.78881724548403
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126	259	19146	-288441.1413	962677.3170250766	39.5144727972485	-101.821257	257492.0504807853	43771.951163046	3705.504208907853	3505.15437407387	3383.14830564031923	3410.40835143363	361.95897926125254	104.78881724548403
127	259	19147	-287781.1413	962677.3170250766	39.5144939069968	-101.8189208	257663.504282316	4377667.8339158	3702.650211060916	3505.19579391466	3380.8137876001906	3416.294005096684	361.95897926125254	104.78881724548403
128	259	19148	-287121.1413	962677.3170250766	39.51451366731409	-101.8165829	257864.5873054987	4377673.72961815	3698.734379106967	3503.8608407527727	3378.58803795334	3412.572809574356	361.95897926125254	104.78881724548403
129	259	19149	-286461.1413	962677.3170250766	39.51453323368025	-101.8142451	258065.6723953758	4377659.1668499	3696.818547162406	3502.512007662349	3376.60196272836	3413.695999120947	361.95897926125254	104.78881724548403
130	259	19150	-285801.1413	962677.3170250766	39.51455287426144	-101.8119072	258266.7528959947	4377655.50563773	3693.9027511548351	3501.15089610049	3374.6799574335623	3410.729036648675	361.95897926125254	104.78881724548403
131	259	19151	-285141.1413	962677.3170250766	39.51457240999431	-101.8095693	258467.83520401236	4377651.39478435	3692.871943242352	3499.799846017834	3372.67242817633	3403.91518983028	361.95897926125254	104.78881724548403
132	259	19152	-284481.1413	962677.3170250766	39.51459190557767	-101.807214	258669.9173834404	4377647.291414698	3690.746721620453	3498.404121620453	3370.82724554454	3407.2290707639627	361.95897926125254	104.78881724548403
133	259	19153	-283821.1413	962677.3170250766	39.51461134597821	-101.804893	258867.9989267813	4377613.7375071	3688.186290148217	3497.041873431393	3369.313670381685	3407.2290707639627	361.95897926125254	104.78881724548403
134	259	19154	-283161.1413	962677.3170250766	39.51463074622916	-101.802556	259071.0809374040	4377630.6337032	3695.4813961206	3495.624838140415	3367.4712052000027	3384.64957637045	361.95897926125254	104.78881724548403
135	259	19155	-282501.1413	962677.3170250766	39.51465010131941	-101.8002177	259272.16238182696	4377634.95354749	3693.32986182134	3494.2986719865207	3365.6152922343804	3412.572809574356	361.95897926125254	104.78881724548403
136	259	19156	-281841.1413	962677.3170250766	39.51466941124894	-101.7978798	259473.24357214468	4377634.8378213	3694.1566022425954	3492.832072336504	3363.84232864559	3413.695999120947	361.95897926125254	104.78881724548403
137	259	19157	-281181.1413	962677.3170250766	39.51468886077705	-101.7955418	259674.3425489706	4377626.7342374185	3692.98417342374185	3490.9027511548351	3361.9080017126125	3407.38148015323	361.95897926125254	104.78881724548403
138	259	19158	-280521.1413	962677.3170250766	39.51470789562594	-101.793239	259875.40540242942	4377622.643024354	3691.81167	3490.03206	3360.790481330983	3366.3687	361.95897926125254	104.78881724548403
139	259	19159	-279861.1413	962677.3170250766	39.514727972485	-101.790937	260086.91698987	4377618.346807852	3689.746721620453	3488.404121620453	3358.6660422009763	3410.521706704393	361.95897926125254	104.78881724548403
140	259	19160	-279201.1413	962677.3170250766	39.51474619358591	-101.788521	260277.5659598308	4377614.40683974	3688.60600190442	3487.041873431393	336			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
222	259	1143	-224421.1413	962677.3170250766	39.51617649582052	-101.5944777	726966.4206327021	437272.7411940445	3445.859476282187	3379.1286994404885	3241.4278602865056	3252.987546219546	137.70080915398285	126.14112322093388
224	259	1144	-223761.1413	962677.3170250766	39.51619185146952	-101.5921397	727167.4816056186	437270.02830783	3437.459175068086	3377.439421109291	3250.50381896904	3250.50326593221	135.6104892102867	126.9318451608987
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233	259	1153	-217821.1413	962677.3170250766	39.51632871984074	-101.5710797	728977.02141146583	437233.20271841	3403.4165115368	3361.3638800396648	3238.305283007226	3239.8924846773607	128.9211730234354	127.1317386230407
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267	259	1187	-195381.1413	962677.3170250766	39.516808539147384	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRElevLogKg.f	BRElevBothKg.f	SatBothKg.f	SatBoth.f
349	291269	-141261.1413	96267.7170250766	39.51775311479284	-121.299827	302298.454867026	4376760.368443878	33576912323968474	38.67825493437708	3087.0513062723236	3083.1106507353524	38.62846872053453	97.56760412021839	
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368	291288	-128721.1413	96267.7170250766	39.5179286428554	-121.2554586	306118.0807969314	4376683.19342748	3288.74762913473	37.1557147702421644	3059.4489015715335	3055.0258792676302	38.0688506303	102.0171400129712	
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378	291298	-122121.1413	96267.7170250766	39.5180163045716	-121.2320775	308128.39403716	4376642.60	3240.54019894042	37.144527501	3047.1466050719	3047.48458057798	38.0991655714242	97.761185714242	
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380	291300	-120801.1413	96267.7170250766	39.51803101161946	-121.2274012	308530.4522464054	4376634.4110446	3242.508934538633	37.144820588315196	3047.580249670424	3045.9340238052833	38.05236622	93.8186719279238	
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382	291302	-119481.1413	96267.7170250766	39.51804754573182	-121.222725	308932.510338421	4376626.39703731295	3235.039157030302	37.1440438057916	3047.4447490071784	3046.909319194822	38.01334204073191	90.5511188632311	
383	291303	-118821.1413	96267.7170250766	39.51805570004086	-121.2203689	309133.53910455236	4376622.204542345	3237.50543535488	37.139264752425919	3046.87569504675	3046.7192797873163	38.29219192471637	90.1425545826832	
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385	291305	-117501.1413	96267.7170250766	39.51807187351702	-121.2157106	309535.5961	4376614.270707098	3235.840545356658	37.138679013542509	3047.31861128275857	3047.010740291707	38.54847607148395	98.54784670748395	
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390	291310	-114201.1413	96267.7170250766	39.5181115513691	-121.20402	310540.7324753633	4376593.93277245	3224.47464262454	37.130729934765816	3046.734840813493	3044.323149361651	38.365059532221	88.906194830605	
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392	291312	-112881.1413	96267.7170250766	39.51812705623902	-121.1993438	310942.7896176186	4376585.81956317	3223.64433281318	37.12816359886585	3046.79490671079	3044.323149361651	38.365059532221	88.906194830605	
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394	291314	-111561.1413	96267.7170250766	39.51814241639675	-121.1946675	311344.84328428396	4376578.							

ix	iy	ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevBothKgr.f	SurfAttkBoth.f	SurfAttkBoth.f
475	259	191395	-58101.14133	96267.7170250766	35.18612686996974	-101.0052778	327627.4135964791	4376250.016896839	3101.111967	303.4108789288425	2927.943592529566	2927.943592529566	2927.943592529566	76.21525924837868	
476	259	191396	-57441.14133	96267.7170250766	35.1861662276658	-101.0023937	327828.4258758549	4376245.80131087	3068.739636706865	2907.0071407123257	2926.617556065862	2926.296787	75.73938325655642		
477	259	191397	-56781.14133	96267.7170250766	35.1862033132512	-101.000615	328029.4378676227	4376241.9434898874	3089.647306617283	2907.18343777283	2925.078074987854	2925.078074987854	75.73938325655642		
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479	259	191399	-55461.14133	96267.7170250766	35.1862821287713	-100.9959252	328431.4617091545	4376233.870483678	3083.672258930265	2907.8670512290073	2920.705658	2920.705658	75.73938325655642		
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482	259	191402	-53481.14133	96267.7170250766	35.1863939644231	-100.9888917	329034.4906395245	4376221.763437778	3087.1662195118683	2903.6324886150137	2910.5332955656506	2910.5332955656506	75.73938325655642		
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487	259	191407	-50181.14133	96267.7170250766	35.18657713234955	-100.9772199	330039.5489320653	4376201.58874871	3057.532233884075	2986.3152233636964	2901.913883489942	2901.913883489942	75.73938325655642		
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495	259	191415	-44901.14133	96267.7170250766	35.1868361104236	-100.9585146	331647.6276	4376169.20356367	3020.654438149214	2973.24198396604	2907.449595052017	2907.449595052017	75.73938325655642		
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497	259	191417	-43581.14133	96267.7170250766	35.18689298563724	-100.9538412	332049.7458348173	4376161.9838728	3014.4532183274778	2969.4632183274778	2907.8571328392818	2907.8571328392818	75.73938325655642		
498	259	191418	-42921.14133	96267.7170250766	35.1869217552237	-100.9515001	332250.638129437	4376157.23203096	3029.16291270171	2967.4383777761	2906.52530514008	2906.52530514008	75.73938325655642		
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502	259	191422	-40281.14133	96267.7170250766	35.18703564807474	-100.9421475	333054.6810713383	4376141.066682885	3021.559071764506	2959.442827096517	2898.8608735380517	2898.8608735380517	75.73938325655642		
503	259	191423	-39621.14133	96267.7170250766	35.18706398563724	-100.9398693	333255.7025004039	4376137.03661104	3019.443454545454	2957.443454545454	2898.443454545454	2898.443454545454	75.73938325655642		
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505	259	191425	-38301.14133	96267.7170250766	35.1871163174604	-100.9351133	333657.700022973	4376129.00381614	3015.960438014036	2953.5193743206223	2896.443454545454	2896.443454545454	75.73938325655642		
506	259	191426	-37641.14133	96267.7170250766	35.187142303838	-100.9327498	333858.7137342495	4376125.91351097	3008.04773120072	2951.5829923328297	2903.7447747953	2903.7447747953	75.73938325655642		
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513	259	191433	-33021.14133	96267.7170250766	35.18731253391	-100.9164277	335265.7642182783	4376096.7620804	3031.818514674304	2938.9683092435803	2903.449071322783	2903.449071322783	75.73938325655642		
514	259	191434	-32361.14133	96267.7170250766	35.1873330468324	-100.9140895	335466.7702730558	4376092.737	3037.3248219600236	2937.3086851177667	2896.266509078754	2896.266509078754	75.73938325655642		
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518	259	191438	-29721.14133	96267.7170250766	35.1874189	-100.9047389	336270.7929862647	4376076.624514794	3041.3783292218	2933.7176338175	2895.75543877304304	2895.75543877304304	75.73938325655642		
519	259	191439	-29061.14133	96267.7170250766	35.1874390241433	-100.9023897	336471.789821	4376072.596813451	3043.6041260340343	2929.718655669706	2897.2352960172914	2897.2352960172914	75.73938325655642		
520	259	191440	-28401.14133	96267.7170250766	35.187458668739	-100.9000605	336672.803252007	4376068.59632629	3043.17493524164	2928.29113557835	2897.869259143346	2897.869259143346	75.73938325655642		
521	259	191441	-27741.14133												

ix	iy	icnt	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BR ElevKgr.ft	BR ElevBothKgr.ft	SurfBothKgr.ft	SatHBothKgr.ft
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602	259	15122	25178.8586730335	962677.3170250766	35.81875334949949	-100.7083507	353154.70067187213	4375739.38388327	2868.988291	2728.3841681405347	2728.9531835437526	80.60412241787226	80.03517071485675	75.7646105068184
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605	259	15125	27698.8586730335	962677.3170250766	35.8187497134799	-100.7013162	353575.6783660101	4375727.009	2896.51706419324	2804.1230733215843	2722.6923456834134	77.20594259	81.2732763817097	83.52881430350444
606	259	15126	28358.8586730335	962677.3170250766	35.8187459312693	-100.6989781	353568.676546603	4375723.0002114875	2904.15475860271	2802.4919701571694	2721.3647368989577	77.1859719236366	81.123723317167	83.922520509
607	259	15127	29018.8586730335	962677.3170250766	35.8187402973728	-100.6966399	354159.66264762194	4375718.99197212	2900.858616	2720.1081693344386	2715.672699276725	80.7486690287625	83.7935641441765	83.922520509
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610	259	15130	30998.8586730335	962677.3170250766	35.818737589556754	-100.6896254	354762.630222757	4375706.95426081	2902.405167269897	2705.825898530328	2713.754005353893	77.1171710709986	79.62153402	81.20817742320418
611	259	15131	31658.8586730335	962677.3170250766	35.81873572449272	-100.6872872	354963.629634676	4375702.957295373	2903.265260103588	2704.27388553488	2715.22621989112	77.11634328900046	79.60476566	82.6020623650818
612	259	15132	32318.8586730335	962677.3170250766	35.8187333526011	-100.6849491	355164.6200626775	4375708.94304987	2906.70612759739	2702.619671699813	2712.6260749801136	78.35973472725345	79.9135697196993	83.7935641441765
613	259	15133	32938.8586730335	962677.3170250766	35.8187313005891	-100.6826109	355365.6113282317	4375704.942	2907.120490912097	2701.964089	2713.414896149351	77.5491040469571	79.29634112985877	83.7935641441765
614	259	15134	33638.8586730335	962677.3170250766	35.81872901289175	-100.6802727	355566.6603207226	4375706.943031539	2913.58503505207	2709.3802387384484	2712.4708132391917	77.5491040469571	79.29634112985877	83.7935641441765
615	259	15135	34298.8586730335	962677.3170250766	35.8187269655085	-100.6778346	355767.5942	4375706.942721	2915.54687992373	2707.652367801736	2711.533995	77.1341240153587	78.26776384	83.7935641441765
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619	259	15139	36938.8586730335	962677.3170250766	35.81871645911905	-100.6685819	356571.566868234	4375706.8995507	2893.5024895331	2701.0350371466493	2707.7280151476963	77.06614038466037	78.3070219989796	83.7935641441765
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625	259	15145	40898.8586730335	962677.3170250766	35.81870096489723	-100.654529	357779.440181014	4375706.86517964	2896.7667666671	2701.915015944323	2696.7406817467	77.06614038466037	78.3070219989796	83.7935641441765
626	259	15146	41558.8586730335	962677.3170250766	35.8186981435445	-100.6522148	357978.4853829524	4375706.85416026	2895.70970504056	2709.5385328955	2694.477938363915	77.06614038466037	78.3070219989796	83.7935641441765
627	259	15147	42218.8586730335	962677.3170250766	35.81869657654418	-100.6498766	358179.4748	4375706.85140626	2896.7667666671	2707.86725596971216	2685.596679104485	77.06614038466037	78.3070219989796	83.7935641441765
628	259	15148	42878.8586730335	962677.3170250766	35.8186923641487	-100.647538	358380.46399839176	4375706.845054563	2896.07146284477	2706.163705243664	2690.894118130033	77.06614038466037	78.3070219989796	83.7935641441765
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637	259	15157	48818.8586730335	962677.3170250766	35.81866421466777	-100.626495	360189.3604422293	4375706.8121946057	2894.5122881771	2702.570234392336	2680.690932	77.06614038466037	78.3070219989796	83.7935641441765
638	259	15158	49478.8586730335	962677.3170250766	35.8186606105372	-100.6241568	360390.3824955126	4375706.81388347	2887.4395785213	2704.980917674155	2685.7387970373	77.06614038466037	78.3070219989796	83.7935641441765
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640	259	15160	50798.8586730335	962677.3170250766	35.8186538832033	-100.6194805	360792.3234614616	4375706.81578363	2885.9373918626	2704.75450941037	2674.491885871977	77.06614038466037	78.3070219989796	83.7935641441765
641	259	15161	51458.8586730335	962677.3170250766	35.8186503920909	-100.6171424	360993.310666458	4375706.81578363	2885.9373918626	2704.75450941037	2674.491885871977	77.06614038466037	78.3070219989796	83.7935641441765
642	259	15162	52118.8586730335	962677.3170250766	35.8186468491324	-100.6148042	361194.291737591	4375706.81578363	2885.9373918626	2704.75450941037	2674.491885871977	77.06614038466037	78.3070219989796	83.7935641441765
643	259	15163	52778.8586730335	962677.3170250766	35.81864338174496	-100.612466	361395.372503867	4375706.81578363	2885.9373918626	2704.75450941037	2674.491885871977	77.06614038466037	78.3070219989796	83.7935641441765
644	259	15164	53438.8586730335	962677.3170250766	35.8186396343248	-100.6101279	361596.3722808016	4375706.81578363	2885.9373918626	2704.75450941037	2674.491885871977			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevKgm	BRElevBothKgm	SatHtLog.ft	SatHtBoth.ft
727	259	191647	108278.85867307335	962677.3170250766	39.51818050079035	-100.160617	378277.7495093286	4732529.44571714	2698.8711644136566	259.2930940953433	2523.121844927639	2523.16179836096	7.1724916770445	7.16791426
728	259	191648	108678.85867307335	962677.3170250766	39.518173072053195	-100.1437326	378478.7260511708	4732526.46208146	2696.0760430312663	259.47712151790576	2523.2514062237397	2523.402742007653	7.1726096551791	7.16909728
729	259	191649	109638.85867307335	962677.3170250766	39.51819869231484	-100.131365	378679.7024716177	4732521.47800051	2693.280927286058	259.6591774668086	2522.330098222666	2522.551181798454	7.173072865837528	7.16791426
730	259	191650	110678.85867307335	962677.3170250766	39.51815807907636	-100.409073	378880.6787858424	4732527.4396930489	2690.485011382166	259.851448681241	2521.547711100974	2521.457791680721	7.173266774371204	7.2395650674033
731	259	191651	110858.85867307335	962677.3170250766	39.51815051483675	-100.4067902	379081.6548625696	4732523.513	2687.2306436957184	259.048678831814	2519.904734343889	2519.9883040858967	7.214163549791465	7.20603734891707
732	259	191652	111518.85867307335	962677.3170250766	39.51814290542968	-100.4043711	379282.6310623394	4732519.5131	2683.5145574333174	259.2506932354604	2517.703292276118	2517.60115669257	7.25474005934221	7.24953754
733	259	191653	112178.85867307335	962677.3170250766	39.51813250855124	-100.402033	379483.60271070575	4732515.58281428	2679.800268479017	258.457630365124	2517.0091082152835	2516.99082152835	7.14822021486787	7.14666682346552
734	259	191654	112388.85867307335	962677.3170250766	39.518127251113174	-100.399648	379684.5828770739	4732512.566114752	2676.085075905166	258.668822415457	2513.4761885542	2513.362050728187	7.19223063004614	7.306671168793174
735	259	191655	113498.85867307335	962677.3170250766	39.5181196820374	-100.397362	379865.5588124484	4732507.58415835	2673.26947563615	258.8659174668086	2511.518723821417	2511.438765348927	7.144468269739595	7.144468269739595
736	259	191656	114158.85867307335	962677.3170250766	39.51811201612702	-100.395018	379968.5306234434	4732503.60241281	2670.743672545685	258.131024150777	2509.86424380757	2509.8417318105987	7.2237084140272	7.22595896927905
737	259	191657	114818.85867307335	962677.3170250766	39.51810418088284	-100.392805	380287.5907402411	4732509.62078389	2665.0871074087067	258.123103580424	2508.145695700722	2508.145695700722	7.13751285042732	7.22295119779315
738	259	191658	115478.85867307335	962677.3170250766	39.51809630471335	-100.390343	380488.4851330654	4732515.639551865	2647.431192213384	257.543313416498	2508.06487621891	2507.5993294516866	7.14784731975873	7.14784731975873
739	259	191659	116138.85867307335	962677.3170250766	39.51808037489243	-100.388042	380689.460411223	4732516.65843975	2642.228741560719	257.766510276597	2506.543699741608	2505.753850604645	7.221801053	7.24953754
740	259	191660	116788.85867307335	962677.3170250766	39.5180804414622	-100.385661	380940.435677161	4732517.67375093	2639.48714175619	257.9500514175619	2500.485768610954	2502.361178989313	7.50474556	7.62393351859876
1	260	191661	170941.1413	963337.3170250766	39.51346881786331	-102.1135717	372229.19864241855	473783.674708971	3891.986628177048	369.73482820214	3603.992082963025	3604.6866552831362	65.64812710880776	65.64812710880776
2	260	191662	170201.1413	963337.3170250766	39.51340217961841	-102.1111793	372350.3130166287	473783.800209813	3698.978924008417	368.116705833275	3601.8850510740768	3603.164022618116	66.2314517025058	64.95179322
3	260	191663	169621.1413	963337.3170250766	39.5135175	-102.1088415	372371.4278957485	473783.96942769	3698.124525669557	366.8951322557972	3603.212923641293	3602.907475769064	66.280258477927	63.9874548808024
4	260	191664	168961.1413	963337.3170250766	39.513547675994	-102.1065038	372392.54202487879	473783.530662482	3695.42345105197	366.570046258053	3600.4975831213965	3600.338935497625	67.1724770440886	65.33416677603509
5	260	191665	168301.1413	963337.3170250766	39.51356789346275	-102.104166	372333.6586826128	473783.292510458	3692.72360542798	366.4414816072659	3599.520538999164	3598.9120574272058	64.92084213521697	64.62942413521697
6	260	191666	167641.1413	963337.3170250766	39.5135817507629	-102.101822	372334.76948910212	473783.253428497	3890.02175980279	366.293736309693	3599.27326307864	3598.9968716712046	63.3565308045445	64.612627256673
7	260	191667	166981.1413	963337.3170250766	39.51356831104986	-102.0994904	372335.882264069	473783.116467782	3888.933233280003	367.779293018863	3597.960723230841	3597.709133845403	64.0070627104516	64.20286111738346
8	260	191668	166321.1413	963337.3170250766	39.5136434186705	-102.0971927	372336.9595959819	473783.02865958	3889.455625983772	366.734995526785	3596.39653513637	3596.44620598147	64.394945359711974	64.5828687711974
9	260	191669	165681.1413	963337.3170250766	39.5136899155419	-102.094428	372337.9512299446	473782.97376174	3888.933233280003	367.779293018863	3596.39653513637	3596.44620598147	64.394945359711974	64.5828687711974
10	260	191670	165001.1413	963337.3170250766	39.513693440931566	-102.0924771	372339.12212471615	473783.70402071	3888.933233280003	367.779293018863	3596.39653513637	3596.44620598147	64.394945359711974	64.5828687711974
11	260	191671	164341.1413	963337.3170250766	39.51371840337942	-102.0901393	372340.335273884	473783.56997331	3890.0011011233114	365.84951	3589.304933738872	3588.95493	67.68993681496029	68.03993185496029
12	260	191672	163681.1413	963337.3170250766	39.51374331357033	-102.0878105	372341.44554430572	473783.430146781	3885.49491223803	365.740817085659	3586.538406486656	3586.1843642240454	69.2022562369409	69.55670681120234
13	260	191673	163021.1413	963337.3170250766	39.5137817860456	-102.085437	372342.5571098122	473783.293924	3881.978613249603	364.851620819378	3583.732858477288	3583.43144040465	71.0501268341157	71.0501268341157
14	260	191674	162361.1413	963337.3170250766	39.51379298462074	-102.083126	372343.6687890455	473783.157136106	3878.46114247863	363.512358697249	3580.945971118615	3580.756492494066	72.269338	72.13909434784244
15	260	191675	161701.1413	963337.3170250766	39.5138097788053	-102.080428	372344.7807728118	473783.02865958	3874.52296313772	362.7817832291734	3578.17832291734	3578.17832291734	73.6821911388735	73.6821911388735
16	260	191676	161041.1413	963337.3170250766	39.513820276672	-102.078452	372345.7890527672	473782.97376174	3870.1630772921	361.653074813552	3576.84319078862	3576.84319078862	74.0849117054778	74.0849117054778
17	260	191677	160381.1413	963337.3170250766	39.51386718717376	-102.0761126	372346.70168651575	473783.74920509	3865.80326568753	360.948099774082	3573.082735506248	3573.061532695363	76.2026192345277	76.319036
18	260	191678	159721.1413	963337.3170250766	39.51389182642387	-102.0737748	372347.112192556	473783.617167272	3861.09168163557	364.08168163557	3570.714378765607	3570.755024	77.366644241573	77.366644241573
19	260	191679	159061.1413	963337.3170250766	39.5138916420513	-102.071437	372349.22207447	473783.447043256	3857.13823031378	364.679672496182	3568.58578518576	3568.526484243225	78.2109688	78.2109688
20	260	191680	158401.1413	963337.3170250766	39.513949645314	-102.0690992	372350.3222536126	473783.3403	3854.07265014076	366.6943910227703	3566.6943910227703	3566.6943910227703	78.89292748223133	78.89292748223133
21	260	191681	157741.1413	963337.3170250766	39.5139654322223	-102.0667614	372351.4418810915	473783.20847505	3850.61208211976	365.92087810803	3563.08895884477	3564.698157120917	79.1004174223107	79.1004174223107
22	260	191682	157101.1413	963337.3170250766	39.5139899155419	-102.064428	372352.5512299446	473783.02865958	3847.51515622391	364.7817832291734	3562.84319078862	3562.84319078862	79.56735926341	79.56735926341
23	260	191683	156421.1413	963337.3170250766	39.51401434531901	-102.062058	372353.6604114579	473782.938318751	3843.162495625004	364.155625910363	3562.43227108263	3561.841307066643	79.71482512628681	79.71482512628681
24	260	191684	155761.1413	963337.3170250766	39.51403871362626	-102.059748	372354.7692847187	473782.8305	3838.64047260516	364.0229110649303	3561.255579378347	3560.3520639602224	79.8733113154568	79.87701404015797
25	260	191685	155101.1413	963337.3170250766	39.51406303677698	-102.0574102	372355.7877916502	473782.671076383	3834.132600186027	363.8494	3560.21048289978	3559.962064895304	79.97896527	79.97896527
26	260	191686	154441.1413	963337.3170250766	39.51408731477006	-102.0550724	372356.9862494417	473782.53071119	3829.61715295315	363.7554105146139	3558.2189943744847	3557.9323419	78.3351071165473	78.3351071165473
27	260	191687	153781.1413	963337.3170250766	39.5141154670578	-102.0527346	372357.994494149973	473782.401702013	3826.3620648	363.7899539335383	3556.844969075387	3556.844969075387	79.3614618861311	79.3614618861311
28	260	191688	153121.1413	963337.3170250766	39.51413573529414	-102.0503697	372359.2071355174	473782.270339618	3824.552056647612	363.564203867747	3555.804005401816	3555.804005401816	79.0440229647078	79.0440229647078
29	260	191689	152461.1413	963337.3170250766	39.5141587789053	-102.048128	372360.3130166287	473782.136174056	3820.674285427415	362.870525457415	3554.831911138474	3554.831911138474	79.0440229647078	79.0440229647078
30	260	191690	151801.1413	963337.3170250766	39.51418397516846	-102.0457211	372361.417058449	473782.004264918	3815.6304232976564	362.33419310673	3553.7449310673	3553.7449310673	79.0440229647078	79.0440229647078
31	260	191691	151141.1413	963337.3170250766	39.51420802738628	-102.043								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
113	260	19173	-297021.1413	963337.3170250766	39.51602663296395	-101.8516774	545852.43962802175	4737926.725857908	3729.750643521072	3520.82298968467495	3418.7211171087415	3421.612088812865	102.1018175600797	59.20190105188464
114	260	19174	-296361.1413	963337.3170250766	39.51604693696242	-101.8493395	55053.62558440696	477922.6111062142	3731.872513444745	3517.669043973545	3417.3265348731483	3417.3265348731483	59.29850309051699	59.29850309051699
115	260	19175	-295701.1413	963337.3170250766	39.51606717025768	-101.8470716	55554.6118447058	4737918.496370473	3731.753889196254	3518.5133801333	3416.0466139107244	3415.8018471634473	104.44861843938965	104.71139518698601
116	260	19176	-295041.1413	963337.3170250766	39.51608740943606	-101.8446636	55545.69760772314	4737923.85202982	3729.395586160123	3517.353600122395	3410.30030374152	3418.046733096985	96.9632907486245	96.9686705024069
117	260	19177	-294381.1413	963337.3170250766	39.5161075794115	-101.8423257	55566.7821902428	4737910.2625453405	3727.373273249206	3516.1880940535963	3406.826542369068	3419.505086693974	109.3615516688767	96.9910318455895
118	260	19178	-293721.1413	963337.3170250766	39.51612710721499	-101.8399877	55587.8664938975	4737906.154257008	3724.678960698716	3515.014603497123	3403.501363215481	3418.1865301402132	111.51296728175203	100.7170685619128
119	260	19179	-293061.1413	963337.3170250766	39.51614747947564	-101.8376498	55608.95352750717	4737902.041	3722.1869810518785	3513.83106889945	3400.285164	3417.517404984163	113.54582425015485	102.7076265172867
120	260	19180	-292401.1413	963337.3170250766	39.51616781245885	-101.8353119	55620.0382050817	4737917.32113231	3719.5136245570542	3512.635257045942	3397.283699	3411.4621884497706	115.1373591052197	101.1706865911256
121	260	19181	-291741.1413	963337.3170250766	39.51618760300387	-101.8329738	55646.1228717853	4737913.83819876	3716.203569769254	3511.425495694841	3394.315896769481	3409.585467404898	117.1082689195386	101.8404658558216
122	260	19182	-291081.1413	963337.3170250766	39.5162071429735	-101.830638	55672.2612147845	4737908.70088752	3714.310041322266	3510.2618653774	3391.88895192003	3410.217545510923	118.3115345450725	102.953623081607
123	260	19183	-290421.1413	963337.3170250766	39.5162274052453	-101.828288	55683.2912534272	4737885.588061572	3711.6635130470136	3508.9529409085	3389.3140025033585	3406.556417261824	119.6442915072643	102.1018763724253
124	260	19184	-289761.1413	963337.3170250766	39.5162474829038	-101.825901	55704.375083098	4737881.475470491	3708.96129796814	3507.6995752345533	3387.027794174321	3406.48278440507	120.71805211324	101.2167867940613
125	260	19185	-289101.1413	963337.3170250766	39.5162673000447	-101.8236221	55725.45867416364	4737873.36305928	3706.3286929142347	3506.424187214103	3384.839944743544	3406.82644077023	121.58419924705595	99.944169231370804
126	260	19186	-288441.1413	963337.3170250766	39.516287062137174	-101.8212462	55746.542042695	4737783.259303619	3703.661282450175	3505.13266569989	3382.571161551036	3407.957267773032	122.5615041389512	97.3470379169593
127	260	19187	-287781.1413	963337.3170250766	39.51630673901831	-101.8189462	55767.6251351055	4737789.150939368	3700.346586923387	3503.82873781893	3380.178414033447	3408.059125592384	123.6536342874812	96.7517680278986
128	260	19188	-287121.1413	963337.3170250766	39.51632650573784	-101.8167083	55788.7080071169	4737782.02755946	3698.194575054314	3502.506441589898	3377.936238290652	3405.4811995	124.5678127002352	97.0244470131885
129	260	19189	-286461.1413	963337.3170250766	39.51634607729575	-101.8142703	55809.7906394182	4737786.915754288	3696.42573216288	3501.173883968086	3375.903905236221	3402.005707612501	125.264678458374	99.16880080635723
130	260	19190	-285801.1413	963337.3170250766	39.516365568691974	-101.8119324	55831.6730372717	4737785.9045695	3692.660571782637	3499.830026127104	3400.455965	3402.005707612501	125.264678458374	99.16880080635723
131	260	19191	-285141.1413	963337.3170250766	39.51638519482648	-101.8099944	55847.95518723325	4737785.6933508	3691.42230726399	3498.476686970317	3371.8547824861607	3396.670348348523	126.6219045108709	102.4093351857939
132	260	19192	-284481.1413	963337.3170250766	39.516404685999234	-101.8072655	55867.037310315883	4737784.5825137	3689.176751243694	3497.1155826414706	3370.2652593488524	3391.1028084814626	126.6219045108709	102.4093351857939
133	260	19193	-283821.1413	963337.3170250766	39.5164243191023	-101.8049185	55884.718787034	4737784.41870132	3692.092871766489	3495.478276028474	3368.3803959598	3385.6873260247638	127.36323060247638	101.0283829344417
134	260	19194	-283161.1413	963337.3170250766	39.5164433265936	-101.8025806	55905.20022007384	4737784.361438964	3690.6181925388458	3494.376149794887	3365.6033976016265	3381.0079895254237	127.727491584214	101.3681578447694
135	260	19195	-282501.1413	963337.3170250766	39.51646289846821	-101.8002821	55926.2612147845	4737831.51	3687.44565013807	3493.0421438140327	3362.4238140327	3379.4238140327	128.0238140327	101.3681578447694
136	260	19196	-281841.1413	963337.3170250766	39.516482198572016	-101.7979046	55947.3623511554	4737822.141242171	3681.43875959807	3491.620623303510	3363.2424643384193	3372.80204503312	128.317569592082	101.7805382081906
137	260	19197	-281181.1413	963337.3170250766	39.5165014635458	-101.7955667	55967.84311119893	4737820.031	3680.677419297624	3490.239404929724	3361.2908336772302	3368.75194538238	128.942806157422	121.487135925904
138	260	19198	-280521.1413	963337.3170250766	39.51652068043694	-101.7932287	55987.5235999309	4737823.9182126126	3689.9104945942405	3488.854712201053	3359.5548230422966	3361.4547220534	129.2988991587357	123.6293549805192
139	260	19199	-279861.1413	963337.3170250766	39.51653858897641	-101.7908907	56008.60385515862	4737819.812527216	3687.380109048264	3487.4700064912986	3357.2844529187758	3361.338591399693	130.1855537252308	123.7510550229233
140	260	19200	-279201.1413	963337.3170250766	39.5165588975383	-101.7885528	56028.1836661672	4737815.703	3685.096064437062	3486.074022741763	3356.019693735033	3360.023092	131.0673278611596	126.0634822383538
141	260	19201	-278541.1413	963337.3170250766	39.51657887339917	-101.7862146	56049.263846855	4737811.58466164	3683.8789107841327	3484.70184968187	3354.381828442231	3357.4288381910305	132.40411255895936	127.2822452589636
142	260	19202	-277881.1413	963337.3170250766	39.5165979114272	-101.783976	56063.8431854722	4737805.78258284	3682.51121747657	3483.0421438140327	3353.857851731496	3357.127718409241	132.6717850524266	127.4277850524266
143	260	19203	-277221.1413	963337.3170250766	39.516616107113414	-101.7815388	56084.8249053877	4737803.37274294	3680.8543581651	3481.9614771500455	3350.145170042635	3353.238236895324	132.87320451876207	128.72310451876207
144	260	19204	-276561.1413	963337.3170250766	39.5166355624228	-101.7792009	56106.0106	4737799.26092191	3677.615362207424	3480.585162107941	3348.54268238414678	3353.238236895324	132.87320451876207	128.72310451876207
145	260	19205	-275901.1413	963337.3170250766	39.5166539602081	-101.7768629	56128.0803253572	4737795.161	3664.7769905393427	3479.205694	3347.277037980484	3351.4004015227658	132.926551535896	125.7512921530387
146	260	19206	-275241.1413	963337.3170250766	39.51667281901326	-101.7745249	56148.158989747	4737791.053105598	3661.7380359393627	3477.81276176125	3346.3546378091655	3352.6998201975774	133.0176805044698	125.1219052413862
147	260	19207	-274581.1413	963337.3170250766	39.5166916256532	-101.772187	56169.23175171743	4737786.94581011	3660.94965520208	3476.43548454324	3344.698992	3352.139791214343	133.0176805044698	125.1219052413862
148	260	19208	-273921.1413	963337.3170250766	39.51671047113304	-101.769149	56190.3047262857	4737782.30724551	3660.244565013807	3475.041112747657	3342.009315256417	3351.4004015227658	133.0176805044698	125.1219052413862
149	260	19209	-273261.1413	963337.3170250766	39.51672912452375	-101.767511	56209.19330770001	4737780.796956	3659.483434119464	3473.614510375754	3341.810644507341	3350.3935710961933	133.026993307905	125.1219052413862
150	260	19210	-272601.1413	963337.3170250766	39.51674786253096	-101.765173	56229.2471026318	4737774.63290701	3661.4503630781645	3472.24591638074	3340.530856300197	3350.35155083758	133.0176805044698	125.1219052413862
151	260	19211	-271941.1413	963337.3170250766	39.51676643599076	-101.7628351	56249.5484823095	4737770.51714512	3660.85839654144	3470.8449624069763	3339.201597100535	3350.35155083758	133.0176805044698	125.1219052413862
152	260	19212	-271281.1413	963337.3170250766	39.516785023429626	-101.7604971	56269.6235637654	4737764.01096271	3660.104353579312	3469.432331411336	3338.28925464647	3349.560402969041	133.0176805044698	125.1219052413862
153	260	19213	-270621.1413	963337.3170250766	39.51680357	-101.7581591	56289.702588569	4737762.30426785	3657.42384577519	3468.023389161015	3338.79175733679	3348.056889870142	133.0176805044698	125.1219052413862
154	260	19214	-269961.1413	963337.3170250766	39.5168220639223	-101.7558211	56306.7930798277	4737758.198	3656.742893530553	3467.042091335527	3336.462050580523	3348.51347438086	133.0176805044698	125.1219052413862
155	260	19215	-269301.1413	963337.3170250766	39.5168409195469	-101.753485	56326.869195469	4737754.238663147	3655.8291238663147	3466.023389161015	3335.291238663147	3347.042337692448	133.0176805044698	125.1219052413862
156	260	19216	-268641.1413	963337.3170250766	39.516859323124231	-101.7511451	56346.90342048098	4737749.96557165	3654.7748050543	3465.865659439193	3332.929613286532	3342.12349614197	133.026993307905	125.1219052413862

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLog.ft	SatHtBoth.ft
239	26	19189	-213861.1413	963337.3170250766	35.91822927883186	-101.5570884	280187.467	4377409.966	3427.7023644392225	3349.9229207732255	3213.2468453567776	3217.773898949929	366.670764174492	132.14906092329647
240	26	19190	-213201.1413	963337.3170250766	35.918243922334	-101.554704	280388.5844317319	4377405.97806995	3436.459320026733	3348.177203535632	3208.894090668714	3217.226512364222	139.2831285162226	130.95089118660423
241	26	19191	-212561.1413	963337.3170250766	35.91825840446864	-101.552412	280589.5814860714	4377401.781404095	3445.2162856551024	3345.2454544079612	3215.8451440379612	3214.27850192110013	134.27850192110013	130.9202345829672
242	26	19192	-211881.1413	963337.3170250766	35.91827298354078	-101.5500472	280790.63841446955	4377407.3043889435	3453.97326121290426	3344.7273633400504	3201.7534031801605	3217.30717768631	142.9743561608988	126.9681957537427
243	26	19193	-211221.1413	963337.3170250766	35.91828764144637	-101.5477361	280991.69512713363	4377393.617452639	3454.575258834727	3343.024576514675	3198.4820207402836	3215.9662032426004	144.5425557743815	127.05837327207473
244	26	19194	-210561.1413	963337.3170250766	35.91830189418657	-101.5453381	281192.1562426654	4377401.781404095	3447.034265834034	3341.335898316487	3195.4011288	3207.93999346473	153.93406084804733	133.53419682162483
245	26	19195	-209901.1413	963337.3170250766	35.918316281768485	-101.54306	281393.8800602023	4377385.444223403	3439.488178802425	3339.66118802425	3191.5210863421944	3201.5210863421944	148.1407324602178	138.32027317207473
246	26	19196	-209201.1413	963337.3170250766	35.91833062417778	-101.5407219	281594.8640721714	4377381.37932489	3441.942853733516	3320.023871017715	3187.94188090775	3195.175085821988	150.2569629269044	142.8273785793876
247	26	19197	-208681.1413	963337.3170250766	35.91834492142157	-101.5383836	281796.519625040	4377377.1856568	3438.893437776161	3336.250626976305	3185.008173898476	3189.0419672026566	152.8892122685975	133.53419682162483
248	26	19198	-207921.1413	963337.3170250766	35.91835917346964	-101.5360457	281996.97556157794	4377373.1856568	3434.345461911883	3334.72859505691	3178.4201114863163	3182.53797535998	156.3087181193746	152.19085424250494
249	26	19199	-207261.1413	963337.3170250766	35.91837330412822	-101.5337076	282198.0308415661	4377369.1	3421.79457604215	3323.114852419651	3172.836977	3175.203396415595	160.2787756	157.9118282351741
250	26	19200	-206601.1413	963337.3170250766	35.91838754	-101.531396	282399.0861924404	4377365.014919985	3419.2436901827413	3313.51999407121	3166.5115780574123	3167.203118463127	165.0084160099785	162.2880222080827
251	26	19201	-205941.1413	963337.3170250766	35.91840165874137	-101.5290315	282600.141186634	4377360.929704479	3423.7301571323081	3329.946171323081	3161.4427915789543	3160.770171323081	168.23849138311998	168.23849138311998
252	26	19202	-205281.1413	963337.3170250766	35.918415730157344	-101.526934	282801.195965060	4377356.84704139	3425.253961	3328.39349409673	3164.8071754806047	3163.447394320774	163.5881739209204	164.9451103691992
253	26	19203	-204621.1413	963337.3170250766	35.91842976407684	-101.524353	283022.2505335863	4377352.75918988	3446.77710794965	3368.6615254672108	3168.779615182593	3168.016051931084	171.0819102936478	168.84547354210235
254	26	19204	-203961.1413	963337.3170250766	35.91844392446864	-101.5220172	283203.30486675414	4377348.57534863	3458.30128310036	3325.348953630921	3173.964543124626	3171.60197	151.640832682818	153.687568720073
255	26	19205	-203301.1413	963337.3170250766	35.91845767311234	-101.5196791	283404.359026652	4377344.59093496	3458.05657955214	3323.8538616235296	3173.91939174307	3174.4464972435317	164.5394520492226	154.8834737999794
256	26	19206	-202641.1413	963337.3170250766	35.91847159416446	-101.517341	283605.412953486	4377340.56633805	3452.6250057320617	3322.3760548327248	3180.015087526055	3176.49192359374	162.3254536311926	145.7841252557054
257	26	19207	-201981.1413	963337.3170250766	35.91848540975182	-101.5150029	283806.4666748804	4377338.42298311	3444.9903454842423	3320.951126343004	3182.204564281532	3177.07376736309	173.046700614716	143.83744992085
258	26	19208	-201321.1413	963337.3170250766	35.91849891017362	-101.5126649	284007.5201688236	4377332.39	3437.3736953448225	3319.470284386594	3184.013804197234	3178.0670730316995	135.4567039667046	141.4626134584844
259	26	19209	-200661.1413	963337.3170250766	35.91851296542922	-101.5103268	284208.5734577293	4377328.25573247	3436.776454878586	3318.04027680268	3185.5881028752463	3179.016403119436	132.4821739274392	139.02387368320647
260	26	19210	-200001.1413	963337.3170250766	35.918526675519496	-101.507987	284408.6265343934	4377324.12443242	3434.195020411414	3316.622916484618	3180.458365859737	3180.458365859737	135.96316760663	135.96316760663
261	26	19211	-199341.1413	963337.3170250766	35.91854092185016	-101.505632	284610.678982082	4377320.08783243	3432.6281970905118	3315.268172188487	3176.8307710817	3176.50014350874	114.9801915355649	127.05837327207473
262	26	19212	-198681.1413	963337.3170250766	35.91855539021956	-101.503325	284811.7320518375	4377316.00582246	3456.050300176225	3313.91783702173	3189.26684702136	3180.158063250776	124.5452531003692	133.65387455140126
263	26	19213	-198021.1413	963337.3170250766	35.91856973479434	-101.5009744	285012.7840302877	4377313.98329243	3459.0206260566955	3312.410934348523	3189.98464701067	3179.910963032316	124.629387474562	133.65387455140126
264	26	19214	-197361.1413	963337.3170250766	35.91858406422076	-101.498633	285213.8327280936	4377307.841	3459.081815284675	3310.99319056771	3190.53504911541	3177.697082012614	120.63781414522964	133.29602859084
265	26	19215	-196701.1413	963337.3170250766	35.91859854484812	-101.4962982	285414.8887413796	4377303.75268177	3458.9609679067984	3309.523676278759	3190.304956226073	3176.512033964218	119.210064426846	133.29602859084
266	26	19216	-196041.1413	963337.3170250766	35.91860798757713	-101.4938901	285615.9405489501	4377299.671278103	3458.840121	3307.95478666104	3190.009671904886	3174.1224150975836	117.9538194708852	133.29602859084
267	26	19217	-195381.1413	963337.3170250766	35.91861921815016	-101.491625	285816.9921672634	4377295.50520897	3458.907770905118	3307.621987774455	3189.58515522488	3180.788604617982	116.84562604617982	133.29602859084
268	26	19218	-194721.1413	963337.3170250766	35.918631320566	-101.489329	286018.8139114	4377291.5914	3458.0123224966376	3307.50231720431	3189.009413100894	3178.27272953474	115.719196134357	133.29602859084
269	26	19219	-194061.1413	963337.3170250766	35.91864403362945	-101.486958	286219.0947071404	4377287.43297616	3461.8304504906903	3302.04980341053	3183.92381784153	3183.92381784153	118.2796121626379	133.29602859084
270	26	19220	-193401.1413	963337.3170250766	35.91865612293318	-101.4846077	286420.145673383	4377283.35146737	3463.055826	3299.9919253778216	3176.04366851585	3175.898906	124.925826523635	124.09211963250163
271	26	19221	-192741.1413	963337.3170250766	35.91866745555753	-101.4822696	286621.1964288906	4377279.27055197	3463.84424414155	3297.45502421846	3174.5891861242817	3175.1985724610663	123.1226891790291	122.5189071811834
272	26	19222	-192081.1413	963337.3170250766	35.9186787365533	-101.4799315	286822.2469744774	4377275.180851574	3464.199445234413	3295.418198	3175.0322049396013	3176.777091936848	120.389993036848	120.389993036848
273	26	19223	-191421.1413	963337.3170250766	35.91869076595714	-101.4775934	287023.2973111986	4377271.0593608	3464.554080084813	3293.11643247333	3175.376527123155	3177.2090074309017	117.3989533551738	115.95074491685118
274	26	19224	-190761.1413	963337.3170250766	35.9187021345575	-101.475253	287224.347481705	4377267.02095466	3467.99770905118	3291.621987774455	3176.8307710817	3176.50014350874	114.9801915355649	127.05837327207473
275	26	19225	-190101.1413	963337.3170250766	35.918713609595217	-101.4729172	287425.397355913	4377262.94930769	3468.776338183636	3288.552452409013	3178.2971588573456	3178.64330537454	112.2540435347546	109.90922307341634
276	26	19226	-189441.1413	963337.3170250766	35.9187398043533	-101.4705791	287626.4470648916	4377258.69198962	3467.247385540787	3286.304228314332	3176.841048235396	3179.33921849314	109.4631800279215	106.9644965017887
277	26	19227	-188781.1413	963337.3170250766	35.9187523665221	-101.4682409	287827.4966560093	4377254.789537039	3468.687407689737	3286.040619	3177.6014842324453	3180.81328038081	105.4631348003455	103.27133562444897
278	26	19228	-188121.1413	963337.3170250766	35.91876573372794	-101.4659028	288028.5458651656	4377250.71601691	3468.1274529451835	3284.75294518935	3182.1237446962386	3181.4213356244902	97.2788838544109	97.2788838544109
279	26	19229	-187461.1413	963337.3170250766	35.91877856870606	-101.4635467	288229.5943999016	4377246.63098514	3463.67465484882	3279.745577171109	3178.742251919659	3180.033297944998	95.91829134542473	95.91829134542473
280	26	19230	-186801.1413	963337.3170250766	35.9187913045549	-101.461226	288430.6435150639	4377242.551884498	3461.329810212746	3277.638253974924	3180.221715712654	3183.251171259267	94.3770865398659	94.3770865398659
281	26	19231	-186141.1413	963337.3170250766	35.91880404566875	-101.458934	288631.692419383	4377238.4231938	3460.44231896336	3276.548317084547	3180.423189377164	3183.251171259267	93.184734815822	93.184734815822
282	26	19232	-185481.1413	963337.3170250766	35.91881687049173	-101.4565504	288832.7400418515	4377234.35	3460.63793451266	3273.9379354165	3178.5646867185944	3180.830965592787	92.0284031682204	92.6571824272966
283	26	19233	-184821.1413	963337.317025										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
356	260	190205	-137001.1413	963337.3170250766	35.9197148233552	-121.262485	005919.059537766	4378986.6230588835	329.392042312909	315.9598878635487	306.63171302937883	308.061611200255	361.34715707	101.89727616523214
366	260	190206	-130001.1413	963337.3170250766	35.9197238074198	-120.261484	005702.0912803153	4378982.365	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
367	260	190207	-129001.1413	963337.3170250766	35.919732681920366	-120.261899	005691.1238363625	4378982.365	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
368	260	190208	-128721.1413	963337.3170250766	35.91974511396942	-120.255447	005612.1540203333	4378984.42103775	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
369	260	190209	-128601.1413	963337.3170250766	35.9197503084432	-120.253138	005623.1853794254	4378980.3262371	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
370	260	190210	-127401.1413	963337.3170250766	35.9197604255111	-120.2507937	005624.2036213363	4378976.3225378515	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
371	260	190211	-126741.1413	963337.3170250766	35.9197673908961	-120.248455	005625.2477163809	4378972.26307619	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
372	260	190212	-126081.1413	963337.3170250766	35.91977639045986	-120.2461173	005626.2727702094	4378968.230286801	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
373	260	190213	-125421.1413	963337.3170250766	35.919782681920366	-120.245779	005627.30172702094	4378964.41795021	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
374	260	190214	-124761.1413	963337.3170250766	35.91979355769535	-120.244141	005628.3382189895	4378960.05879646	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
375	260	190215	-124101.1413	963337.3170250766	35.91980070356245	-120.2391028	005629.3685363255	4378952.416736965	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
376	260	190216	-123441.1413	963337.3170250766	35.91981054426235	-120.236746	005630.3984174062	4378948.196877254	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
377	260	190217	-122781.1413	963337.3170250766	35.919819897	-120.2344264	005631.4280828235	4378944.190080024	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
378	260	190218	-122121.1413	963337.3170250766	35.91982735015154	-120.232083	005632.45876020243	4378940.058287242	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
379	260	190219	-121461.1413	963337.3170250766	35.919835683434362	-120.2297501	005633.48849895901	4378936.058586361	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
380	260	190220	-120801.1413	963337.3170250766	35.919843975367219	-120.2274119	005634.5195271488	4378932.737535352	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
381	260	190221	-120141.1413	963337.3170250766	35.91985222022263	-120.2250737	005635.544669668	4378928.60323806	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
382	260	190222	-119481.1413	963337.3170250766	35.9198604199051	-120.2227355	005636.575946478	4378924.623126112	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
383	260	190223	-118821.1413	963337.3170250766	35.91986857442802	-120.2203974	005637.602135409	4378920.566233471	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
384	260	190224	-118161.1413	963337.3170250766	35.91987668377806	-120.2180592	005638.630484286	4378916.95054685	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
385	260	190225	-117501.1413	963337.3170250766	35.91988474759665	-120.215721	005639.668566397	4378912.453090293	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
386	260	190226	-116841.1413	963337.3170250766	35.91989277	-120.2133828	005640.6985313244	4378908.136639349	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
387	260	190227	-116181.1413	963337.3170250766	35.919900749047142	-120.211049	005641.7144333065	4378904.09393206	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
388	260	190228	-115521.1413	963337.3170250766	35.91990856493537	-120.208705	005642.7402420474	4378900.2490677	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
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390	260	190230	-114201.1413	963337.3170250766	35.91992439134032	-120.204031	005644.7967	4378892.14	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
391	260	190231	-113541.1413	963337.3170250766	35.919932184510864	-120.2016919	005645.82375661144	4378888.119789054	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
392	260	190232	-112881.1413	963337.3170250766	35.9199393251286	-120.199337	005646.8506242472	4378884.06330471	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
393	260	190233	-112221.1413	963337.3170250766	35.919947683346284	-120.1970158	005647.8773070936	4378880.09077854	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
394	260	190234	-111561.1413	963337.3170250766	35.91995593011094	-120.194674	005648.8995319196	4378876.758747	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
395	260	190235	-110901.1413	963337.3170250766	35.9199629505374	-120.192392	005649.911873676	4378872.91	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
396	260	190236	-110241.1413	963337.3170250766	35.919970472834956	-120.190001	005650.956281119	4378868.74610373	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
397	260	190237	-109581.1413	963337.3170250766	35.91997979489393	-120.187628	005651.982193436	4378864.72068984	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
398	260	190238	-108921.1413	963337.3170250766	35.91998547198425	-120.1853246	005652.01507949179	4378860.78323087	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
399	260	190239	-108261.1413	963337.3170250766	35.91999293895922	-120.1829864	005653.033527574	4378856.8805499	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
400	260	190240	-107601.1413	963337.3170250766	35.92000294384654	-120.180642	005654.058271643	4378852.831799441	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
401	260	190241	-106941.1413	963337.3170250766	35.920007631943244	-120.178391	005655.071684	4378848.758747	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
402	260	190242	-106281.1413	963337.3170250766	35.9200143825886	-120.1759719	005656.091664997	4378844.52531466	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
403	260	190243	-105621.1413	963337.3170250766	35.92002217940573	-120.1736337	005657.130118389	4378840.47313067	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
404	260	190244	-104961.1413	963337.3170250766	35.9200293538467	-120.1712953	005658.1566745666	4378836.420918545	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
405	260	190245	-104301.1413	963337.3170250766	35.92003664619326	-120.168973	005659.188489793	4378832.368732892	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
406	260	190246	-103641.1413	963337.3170250766	35.9200436153933	-120.1666191	005660.21453031316	4378828.316761033	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
407	260	190247	-102981.1413	963337.3170250766	35.92005046396958	-120.164271	005661.2355038116	4378824.316761033	329.739123409053	315.8769467226187	306.7179504905562	305.701456725305	307.06728732206693	101.48548998688016
408	260	190248	-102321.1413	963337.3170250766	35.920057575760889	-120.161927	005662.25503415	4378820.316761033	329.739123409053	315.876946				

ix	iy	ic1	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	3m7dElevKrg.ft	SurfBothKrg.ft
491	20115	-47541.14133	963337.3170250766	39.5204833822136	-100.9678719	330847.6288496553	4736386.679945725	3084.1359756939865	2979.8767762205025	2906.130592905439	2904.8784170155213	37.74618331506372	70.01595920498118	
492	20115	-46889.14133	963337.3170250766	39.5204869230673	-100.9665333	331048.63423796356	4736382.646535132	3038.784488478176	2978.2312711887277	2906.435282320025	2906.5367188654078	71.7959896940683	73.39455320180599	
493	20115	-46221.14133	963337.3170250766	39.52048696	-100.963195	331249.648176024	4736378.612837723	3029.4330039579107	2965.29475542402	2906.47179847467	2904.75179847467	69.8211209734569	71.783462	
494	20115	-45561.14133	963337.3170250766	39.52049296	-100.960538	331504.6565155245	4736374.753975442	3020.0811212996266	2974.780338494857	2906.43298544102	2904.861324902586	67.9154909550305	69.8191349237136	
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520	20180	-28401.14133	963337.3170250766	39.5205591608107	-100.900063	336675.9568107	4736269.79717187	3008.913470602025	2928.043475412978	2857.45129	2859.07485945258	62.62249487094112	61.444729944112	
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527	20187	-23781.14133	963337.3170250766	39.52057125032492	-100.883955	338083.8563297793	4736241.6041089	3008.913470602025	2918.70451189892	2857.71806498579	2859.3389601674354	63.7303485117027	62.0524059949313	
528	20188	-23121.14133	963337.3170250766	39.52057386369305	-100.8813572	338284.8688495017	4736237.573051326	3008.913470602025	2917.37278744686	2857.227123507243	2858.20299824237	65.9168491734462	64.621439	
529	20189	-22461.14133	963337.3170250766	39.52057442517581	-100.879019	338485.87230511574	4736233.55208212	3008.913470602025	2916.046855309461	2856.9507820915514	2858.599154249316	59.096072317909634	57.4447701601494	
530	20190	-21801.14133	963337.3170250766	39.5205759381188	-100.8766808	338686.8765042037	4736229.52699103	3008.913470602025	2914.712556294019	2856.5902951142257	2857.991347632134	58.1352611799336	56.7342213168485	
531	20191	-21141.14133	963337.3170250766	39.52057749927819	-100.8743426	338887.87784743254	4736225.91866937	3008.913470602025	2913.411716987774	2856.238309045673	2857.651363361923	57.1282529314058	55.7598396195438	
532	20192	-20481.14133	963337.3170250766	39.520578853574875	-100.8720043	339088.8817325479	4736221.47959055	3008.913470602025	2912.0477272111	2856.040520512148	2857.17555138959203	56.0545875996313	54.92522728619078	
533	20193	-19821.14133	963337.3170250766	39.52058032889504	-100.8695687	339289.8869809258	4736217.93813824	3008.913470602025	2910.7180469686	2855.7180469686	2856.9507820915514	54.92522728619078	54.92522728619078	
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535	20195	-18501.14133	963337.3170250766	39.52058283544535	-100.8649896	339691.889751855	4736209.420276403	3008.913470602025	2908.216993413024	2854.96703197782	2855.613316667174	53.2529202152341	52.60067947836905	
536	20196	-17841.14133	963337.3170250766	39.52058407906262	-100.8626514	339892.89218117924	4736205.37857045	3008.913470602025	2907.022415105599	2854.96703197782	2855.613316667			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Kg.f	BR Elev.M	SatH.Kg.f	SatH.M
617	260	19277	36618.8586770335	963337.3170250766	39.5205348	-100.7325551	35713.5862829762	4735880.121	2895.834575445878	2748.46969692276203	2709.279674584345	2705.1412841000133	27.16286214327513	79.35541213
618	260	19278	36617.8586770335	963337.3170250766	39.52053234275932	-100.6709169	356374.57696967847	473768.113888365	2891.0578629497515	2707.546065236755	2707.77084841832	2702.888498673775	27.07507186256296	79.957544057044
619	260	19279	36616.8586770335	963337.3170250766	39.52052967282398	-100.6686787	356576.5667119656	473758.270728652	2889.29505	2708.1180724521154	2708.51244584563	2700.331907	27.08872784	80.86781721553375
620	260	19280	37598.8586770335	963337.3170250766	39.5205272866537	-100.6720044	356756.556800943	4738586.100808304	2890.438177076056	2779.559737154404	2705.379000260603	2749.73658980074	82.2970686742024	79.0270686742024
621	260	19281	38258.8586770335	963337.3170250766	39.52052469081947	-100.6639022	356977.5467081208	4737586.049694142	2891.617224040317	2777.9264558907757	2703.47041683014	2693.4418819209764	74.4555141977166	84.8457396879938
622	260	19282	38918.8586770335	963337.3170250766	39.52052404983344	-100.6615964	357178.5364693975	4737586.08871992	2792.295508210847	2776.2995508210847	2701.6858645792186	2691.208991504994	74.136864020758	85.0905948
623	260	19283	39578.8586770335	963337.3170250766	39.52051938377735	-100.6592258	357379.5260930396	4737586.0826723	2892.69635291218	2774.675691365456	2699.6208705214754	2688.923010669595	75.0547885107027	85.4526486958617
624	260	19284	40238.8586770335	963337.3170250766	39.52051663235233	-100.6568876	357580.515793811	4737585.074074682	2891.3173815024	2773.65306248914	2697.531360036057	2685.979552737542	75.05170281230822	87.0730511139373
625	260	19285	40998.8586770335	963337.3170250766	39.52051385985726	-100.6545483	357781.5046284937	4737584.027068542	2888.938368929927	2773.65306248914	2695.185113457147	2685.32246856444	75.0447029425193	88.1084017015243
626	260	19286	41558.8586770335	963337.3170250766	39.52051103419251	-100.6522111	357982.9414043632	4737584.066934391	2888.559418	2769.904405271867	2692.8350978984114	2684.76729023185	75.963930758225	88.0371160323125
627	260	19287	42218.8586770335	963337.3170250766	39.520508167585085	-100.6498729	358183.4832160074	4737584.02602925	2889.7404314374	2768.167034314374	2690.748233	2684.380321303855	74.422026612758	83.8322191005189
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630	260	19290	44198.8586770335	963337.3170250766	39.5204992593535	-100.6428562	358766.49474723459	4737583.04855633	2892.7651190964376	2762.987190964376	2686.2318011457896	2684.025723733995	76.7557179050478	78.9617953625141
631	260	19291	44858.8586770335	963337.3170250766	39.52049624832227	-100.64052	358987.4383	4737583.04490204	2892.952156373597	2761.0592036073053	2685.034213901856	2683.9494738972567	76.0257721711974	77.1097291040867
632	260	19292	45518.8586770335	963337.3170250766	39.5204915563954	-100.6381818	359186.426840471	4737582.04033514	2893.87546921029	2759.017448636674	2683.936148594993	2683.7898871678	75.0813000690487	75.2255991
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634	260	19294	46838.8586770335	963337.3170250766	39.52048683476524	-100.6335053	359590.4030311973	4737582.03362612	2895.70208549126	2754.75227925154	2681.82734792686	2681.655908512168	73.236219926162	73.106370790732
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641	260	19301	51458.8586770335	963337.3170250766	39.5204632886225	-100.6171378	360997.3161252487	4737578.014820345	2885.243056516047	2739.7915809027213	2671.111588855654	2682.706585737527	68.6799910715466	61.0849552968675
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644	260	19304	53438.8586770335	963337.3170250766	39.52045252021719	-100.6101232	361600.276807049	4737577.010911405	2878.483682366948	2733.58358969648	2665.41738305899	2679.571328091093	68.1678312634964	54.0121674784968
645	260	19305	54098.8586770335	963337.3170250766	39.52044904329706	-100.6077849	361801.2635190484	4737576.0098116038	2876.98107618348	2731.550716382181	2663.945877220327	2678.926811897187	68.1678312634964	54.0121674784968
646	260	19306	54758.8586770335	963337.3170250766	39.5204451152735045	-100.6054811	362002.520348076	4737576.00892284	2875.91027158615	2729.017448636674	2663.936148594993	2683.7898871678	75.0813000690487	75.2255991
647	260	19307	55418.8586770335	963337.3170250766	39.5204413450469	-100.6031085	362203.236471931	4737576.00834562	2867.169276134315	2727.5430158760377	2659.257383233784	2671.353002	68.2852760546533	56.190143107556
648	260	19308	56078.8586770335	963337.3170250766	39.52043752964997	-100.6007703	362404.226668538	4737576.00781857	2863.4057174435	2725.5697396117504	2657.460069341333	2667.4121742061128	68.1575653113766	58.1575653113766
649	260	19309	56738.8586770335	963337.3170250766	39.5204336960483	-100.5984321	362605.280786642	4737575.008	2859.64347829533	2723.61589810493	2655.43757894673	2664.00569187765	68.17831915824672	59.6102631721749
650	260	19310	57398.8586770335	963337.3170250766	39.520429736349156	-100.5960939	362806.19473173167	4737576.007480818	2855.80579375871	2721.8059960237	2653.78768541506	2660.987272896148	68.1575653113766	58.1575653113766
651	260	19311	58058.8586770335	963337.3170250766	39.5204287124447	-100.5937596	363007.1806273393	4737574.00768596	2851.801674788434	2719.742642421025	2651.82770591926	2657.83341288217	67.3369937621954	61.9398514380254
652	260	19312	58718.8586770335	963337.3170250766	39.52042191637029	-100.5914174	363208.162507157	4737574.008041250	2847.40675452043	2717.86724628165	2649.45872250376	2654.87289529343	68.17831915824672	59.6102631721749
653	260	19313	59378.8586770335	963337.3170250766	39.5204177512657	-100.5890792	363409.1519421697	4737573.01842938	2843.01184277365	2715.89898383208	2647.231180430525	2651.82770591926	67.3369937621954	61.9398514380254
654	260	19314	60038.8586770335	963337.3170250766	39.52041368713404	-100.586741	363610.1340729476	4737572.00944149	2838.616944022616	2714.132027173535	2645.0158274071096	2647.870547783017	61.1647531024391	66.26164793905173
655	260	19315	60698.8586770335	963337.3170250766	39.520410685713075	-100.5844028	363811.12271360834	4737572.014052135	2836.7888748722677	2712.294633439632	2642.908192235896	2646.4284520052016	61.1647531024391	66.26164793905173
656	260	19316	61358.8586770335	963337.3170250766	39.520405308378605	-100.5820646	364012.10703000844	4737572.01168657	2834.7616839671	2710.4768161469647	2642.013639031034	2646.955241032711	61.1647531024391	66.26164793905173
657	260	19317	62018.8586770335	963337.3170250766	39.52040115845699	-100.5797263	364213.0929779905	4737572.01219818	2828.31641880374	2708.677457	2641.759957228952	2648.72794731282	61.92050009	59.950209685159
658	260	19318	62678.8586770335	963337.3170250766	39.5203968139506	-100.5773871	364414.0779351925	4737576.01782968	2825.07519074671	2706.895964253853	2641.93970944941	2651.194846403978	61.92050009	59.950209685159
659	260	19319	63338.8586770335	963337.3170250766	39.520392421110541	-100.5750287	364615.076910541	4737576.01782968	2822.018710844374	2704.932205138464	2641.93970944941	2651.194846403978	61.92050009	59.950209685159
660	260	19320	63998.8586770335	963337.3170250766	39.52038821675454	-100.5727117	364816.0471945886	4737576.01782968	2819.735736817806	2703.85578443392	2641.93970944941	26		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtLog.f	SatHtLog.f
3	261	192403	-369621.1413	963939.3170250766	39.51533020894696	-102.1088742	327375.5771906192	4378581.999747789	3881.67820256177	3592.9582699136584	3601.113241277944	3602.53662321976	64.4796243371457	63.305724269388247
4	261	192404	-369691.1413	963939.3170250766	39.51535450969621	-102.1068307	329326.6910252587	437857.786023474	3888.9327794154	3564.362741454945	3597.9692351995614	3598.063404643475	65.794305109025815	65.754037053050202
5	261	192405	-369701.1413	963939.3170250766	39.51534808696968	-102.1041985	33137.460028869567	437857.78223171545	3883.1291573388154	3597.1943455491123	3597.41207893516	35.9348119989314	65.7139633631	65.7139633631
6	261	192406	-369741.1413	963939.3170250766	39.5154058696968	-102.1018607	336938.9181011171	437859.659330274	3880.4218933122684	3592.080898947523	3596.531576368684	3596.474217	65.3603139683575	65.41787188113221
7	261	192407	-3696981.1413	963939.3170250766	39.51543102631589	-102.0995228	333540.0312084765	437856.4545745385	3887.066011610165	3595.651521527398	3594.7178312798114	3594.3966638149077	65.8396024758668	66.25485717249032
8	261	192408	-3696321.1413	963939.3170250766	39.51545611777732	-102.097185	333741.14405265468	437857.300779097	3883.000450250965	3592.804086073957	3592.5871731734975	66.0334283154316	66.820117054170528	66.820117054170528
9	261	192409	-369661.1413	963939.3170250766	39.51548116	-102.0948472	333942.2566244416	437857.170066489	3886.125963410275	3598.157937389045	3590.901866004934	3598.625860409634	67.2579103766708	67.5339183484102
10	261	192410	-369501.1413	963939.3170250766	39.51550616522717	-102.0925093	334143.3694851975	437857.3320338907	3889.456082695567	3598.808606061566	3598.658401409424	68.0386008349905	68.4411192832176	68.4411192832176
11	261	192411	-369491.1413	963939.3170250766	39.5155311121215524	-102.0901715	334154.4810010906	437857.4869233497	3885.635610085086	3598.576469890984	3598.0651051272853	68.0771201084142	68.5893968122332	68.5893968122332
12	261	192412	-369381.1413	963939.3170250766	39.51555602304604	-102.0873358	334545.5927003254	437857.417614295	3888.318946142916	3594.94983752302	3594.020725181192	68.3834079990933	70.5147837423917	70.5147837423917
13	261	192413	-3693021.1413	963939.3170250766	39.51558069711875	-102.0854958	334746.7043163397	437854.4021728454	3883.28619159371	3593.125717356085	3581.331290931853	3880.84896065946	71.7127264375553	72.28361107666251
14	261	192414	-369261.1413	963939.3170250766	39.515605718233566	-102.0831579	334947.8157589292	437856.364822711	3880.2543037044493	3591.865335461353	3578.6308417538044	3578.2722907246228	73.2349370754861	73.59304472
15	261	192415	-3691701.1413	963939.3170250766	39.515630493359045	-102.0808201	335148.9268043723	437853.3242	3876.240268313999	3590.592544611234	3575.8829133855015	35.7580676287389	74.7096312257366	74.70186832384525
16	261	192416	-3691041.1413	963939.3170250766	39.51565523789394	-102.0784822	335350.03713566873	4378528.21196659	3871.2467929817326	3594.31449	3573.2144112223985	3573.228759916802	76.10007791503494	76.08851022121825
17	261	192417	-3690381.1413	963939.3170250766	39.5156799830321	-102.0761444	335551.1477944177	4378524.07596409	3866.2553717605466	3593.010834074853	3570.654951096063	3570.668239188943	77.37613231139943	77.3627368857015
18	261	192418	-359721.1413	963939.3170250766	39.51570455	-102.0730065	335752.2580082147	437851.94170178396	3881.672262373236	3568.2877342151182	3568.3397391	78.45489216221141	78.4023135	78.4023135
19	261	192419	-3596061.1413	963939.3170250766	39.515729143343767	-102.0714887	335853.36796017375	4378515.8046977	3857.2473867485905	3565.447811702664	3568.121199	78.61179882486287	79.3261305170359	79.326148019918
20	261	192420	-3594801.1413	963939.3170250766	39.51575336300415	-102.0691308	336154.4776504464	4378511.69250505	3844.1772875415	3564.2333010797424	3564.1671195826827	79.9164179567729	79.9806092858649	79.9806092858649
21	261	192421	-357741.1413	963939.3170250766	39.517819741241	-102.066793	336355.58787931085	4378507.534123315	3848.15570602228	3562.84183415808	3562.7309749080213	3562.3195791514254	80.110854248676	80.52225526
22	261	192422	-357081.1413	963939.3170250766	39.5158026666242	-102.0644551	336556.696249158	4378503.390250158	3841.3288161321604	3561.3537576938293	3560.80803307491	80.1761291	80.21748453006775	80.21748453006775
23	261	192423	-356421.1413	963939.3170250766	39.51582707075411	-102.0621172	336757.8015348386	4378496.25404661	3843.5842277763304	3560.311192876364	3560.31776268467	3558.63423441612	79.983402078963	79.983402078963
24	261	192424	-355761.1413	963939.3170250766	39.5158514369674	-102.0597794	336958.9151293577	4378495.13020734	3837.47236741847	3558.885635015014	3558.3062974375343	3558.6049756817584	79.576565140673	80.2818978484301
25	261	192425	-354921.1413	963939.3170250766	39.516107631223	-102.0574941	337149.4076917154	4378492.720017513	3834.67115251927	3558.4210584915423	3558.2005164146475	79.481111033137	79.705328752247	79.705328752247
26	261	192426	-354441.1413	963939.3170250766	39.5159004207884	-102.0551308	337361.1303009502	4378486.86170342	3825.052250575855	3557.649548172	3557.649411597255	3555.574783765747	78.5632549501165	78.6327789
27	261	192427	-353781.1413	963939.3170250766	39.515924275536804	-102.0527568	337562.2381735706	4378482.7278067	3823.0522923394	3554.8678	3556.94601641434	3555.6054905284883	77.9214689071157	79.2623802006163
28	261	192428	-353121.1413	963939.3170250766	39.515948483836204	-102.0504279	337763.3477806882	4378478.594254189	3827.4778453730944	3553.51066734365	3556.296361245005	3554.595412854039	77.2186205489369	78.9196381939771
29	261	192429	-352461.1413	963939.3170250766	39.5159726097076	-102.04809	337964.45312276948	4378475.058468047	3826.4982611989117	3553.1589707309495	3555.6569281987117	3553.572287569727	78.0620523123705	78.58668316122248
30	261	192430	-351801.1413	963939.3170250766	39.515996745956204	-102.0457522	338165.56020788013	4378470.327672319	3828.21687766605	3552.447201423027	3552.5501907161673	78.55263991	78.2502802111428	78.2502802111428
31	261	192431	-351141.1413	963939.3170250766	39.5161978311233	-102.0434145	338367.6075787595	4378466.19470655	3829.8681975	3550.4010785139946	3550.4010785139946	78.6174631299688	79.1811246891274	79.1811246891274
32	261	192432	-34881.1413	963939.3170250766	39.5160176254984	-102.0410724	338570.1201712	4378452.082	3831.7987480214	3549.0078790214	3553.1854737176265	78.9081956212648	77.60214466839347	77.60214466839347
33	261	192433	-348821.1413	963939.3170250766	39.51606872796541	-102.0387385	338768.8800769643	4378457.92424054	3833.6119895412963	3546.718267130589	3552.372374160001	78.9430843223814	78.34589279058801	78.60892890677524
34	261	192434	-3491161.1413	963939.3170250766	39.51609264531259	-102.0364007	338969.9605565035	4378457.971090535	3835.4252310620953	3525.340630233397	3551.416181	3550.2754913324093	79.378160012991	75.0783268882349
35	261	192435	-348501.1413	963939.3170250766	39.51611651750087	-102.0340628	339171.09184675047	4378449.655109064	3837.56216463384	3523.8899151506074	3550.130666	3550.8797456272415	78.6538492190574	78.1116947806593
36	261	192436	-347841.1413	963939.3170250766	39.51614034453023	-102.0317249	339372.1973786426	4378445.331129603	3840.427522596984	3522.6219757036726	3547.0338948033736	3547.0338948033736	78.5197517634494	75.4075517634494
37	261	192437	-347181.1413	963939.3170250766	39.51616412640035	-102.029387	339573.3062526957	4378441.401465141	3842.485167766605	3521.264234	3544.6417017135508	3543.2634784951917	77.62222623	78.0007586811909
38	261	192438	-346521.1413	963939.3170250766	39.5161978311233	-102.0274941	339714.4076917154	4378437.270017513	3844.67115251927	3519.802167943154	3547.0338948033736	3547.0338948033736	78.481111033137	79.1811246891274
39	261	192439	-345861.1413	963939.3170250766	39.5162115546437	-102.0247112	339957.1154625347	4378438.13876711	3846.550697789774	3518.5400263822886	3552.452993737717	3537.26478388334	78.127693695847	81.2769369395467
40	261	192440	-345201.1413	963939.3170250766	39.516235011057626	-102.0223734	340176.116926781	4378429.008	3846.149347423354	3517.178247852524	3534.6403793721524	3534.69668299554	82.3579684039968	82.4813795297852
41	261	192441	-344541.1413	963939.3170250766	39.5162580029173	-102.0200355	340376.712969674	4378424.877	3842.832821684867	3515.816559616494	3532.350737765197	3532.350737765197	83.4568271529652	83.2901148415106
42	261	192442	-343881.1413	963939.3170250766	39.5162283583666	-102.0176976	340578.8215608828	4378420.746395195	3841.4962084754	3514.458671590744	3530.4335187863816	3529.673174483031	83.629267260435	83.629267260435
43	261	192443	-343221.1413	963939.3170250766	39.516305898282306	-102.0153597	340779.928885665	4378415.601031628	3839.029188774554	3513.096022131195	3528.891288774554	3528.891288774554	84.203838667663	84.203838667663
44	261	192444	-342561.1413	963939.3170250766	39.5163293350377	-102.0130218	340981.0325774013	4378414.5884485	3835.431741749486	3511.73645594077	3527.604321032067	3528.40219784037	84.1325457402359	83.9465797940675
45	261	192445	-341901.1413	963939.3170250766	39.51635275639768	-102.0107494	341192.1627317238	4378409.2889142947	3834.5428219742947	3510.252187142947	3526.3528919742947	3526.3528919742947	84.08219784037	84.08219784037
46	261	192446	-341241.1413	963939.3170250766	39.51637310713751	-102.008346	341383.2385339077	4378404.22641656	3828.236837781492	3509.020171550727	3525.3651545848677	3525.3651545848677	83.8568736040926	83.8568736040926
47	261	192447	-340581.1413	963939.3170250766	39.5									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
129	261	192529	-286461.1413	963997.3170250766	39.51815886267555	-101.8142956	258073.9112920157	4738062.215031855	3694.026599286371	3499.825927229672	3375.1752598756343	3399.360809237657	124.6506673403752	100.46511792901471
130	261	192530	-285801.1413	963997.3170250766	39.51817844450663	-101.8119576	258274.9934583925	4738058.103507273	3691.41842757219	3498.49115347761	3373.304261596335	3393.736094592768	125.19368318603749	100.4702240021295
131	261	192531	-285141.1413	963997.3170250766	39.51819182114264	-101.8096196	258476.70587989722	4738053.91897615	3689.615787045933	3497.181578704593	3370.26250250844	3393.871705942058	125.32294917240628	100.471704803348
132	261	192532	-284481.1413	963997.3170250766	39.51821747281616	-101.8072816	258677.150747882	4738056.180129274	3688.78855064651	3496.871746970858	3368.30953654651	3384.748437812574	126.50821042407703	101.06031155869005
133	261	192533	-283821.1413	963997.3170250766	39.518236919226524	-101.8049436	258878.2385	4738045.77	3688.571880634967	3494.467625213003	3367.6041240435075	3380.5143133804736	126.8638346777928	113.35364914082666
134	261	192534	-283161.1413	963997.3170250766	39.5182562047388	-101.8026055	259079.31973807284	4738041.659547854	3688.13428333321	3493.13421833321	3365.667964227505	3376.918485100566	127.44557617057243	116.19451767327649
135	261	192535	-282501.1413	963997.3170250766	39.51827567558522	-101.8002675	259280.2007125747	4738037.545900713	3688.071263638213	3491.751652009183	3363.619378986112	3374.07078986112	127.3587821480633	117.68470283528483
136	261	192536	-281841.1413	963997.3170250766	39.51829464747952	-101.7979295	259481.4814493194	4738033.43866311	3688.22082952549	3490.393720509594	3362.18426865997	3370.57959054891	128.2094372345985	119.8141141536705
137	261	192537	-281181.1413	963997.3170250766	39.51831425320777	-101.7956191	259682.6519485182	4738029.228851326	3688.3370702	3489.294284222036	3360.26458284145	3368.7624595892845	128.2625848381911	120.258485391911
138	261	192538	-280521.1413	963997.3170250766	39.51833473823776	-101.7932358	259884.6221035986	4738025.21951084	3688.020421592521	3487.661199473092	3359.3221370881892	3363.48538544748	129.2290529	124.1918160042517
139	261	192539	-279861.1413	963997.3170250766	39.51835264926466	-101.7909154	260084.7223507837	4738021.10964744	3685.761193021024	3486.29789024893	3356.05895800244	3360.1643610673204	130.2383995562246	126.1284369572738
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172	261	192572	-258081.1413	963997.3170250766	39.51896017015099	-101.713776	266720.213436258	4737885.61391518	3630.72020085204	3441.75926335933				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBokth.f	SatHtKgr.f	SatHtBokth.f
25	251	19555	-20301.1413	963997.3170250766	39.52027051295294	-101.5196971	284308.4511732389	4377545.862320692	3440.0236348349696	3320.30792082927523	3178.917952947699	3175.754303473936	144.2899678205313	147.45361645611638
256	261	19556	-20264.1413	963997.3170250766	39.52024404062689	-101.5173589	283609.5084879584	4377541.777777778	3444.072685116518	3321.7452810045006	3181.1345672054345	3177.3370108942826	140.61017379911618	144.10821011026874
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258	261	19558	-20131.1413	963997.3170250766	39.5203120507820096	-101.5126826	284011.6116	4377531.699917168	3437.12528599597	3318.877099375123	3184.531178824538	3178.695647144263	134.53178185276156	140.141526
259	261	19559	-20066.1413	963997.3170250766	39.52032580639122	-101.5103445	284212.664663079	4377529.52623719	3437.311556873045	3317.47107945911	3185.7979275170524	3180.04129048759	131.673180428858	137.4228174580139
260	261	19560	-20001.1413	963997.3170250766	39.520339616833396	-101.5080063	284413.71545667	4377528.442725085	3431.5828614405177	3316.0828614405177	3186.94748184031	3179.652543831197	128.135442991669	136.4031734019824
261	261	19561	-19934.1413	963997.3170250766	39.520335318	-101.5056682	284615.713513398	4377527.39451398	3431.742155275738	3314.710607272611	3187.953712123276	3186.59651923477	126.758951923477	133.480777320976
262	261	19562	-19861.1413	963997.3170250766	39.52036680221663	-101.50333	284818.8225789515	4377521.276939312	3430.0055442547077	3313.3549403	3188.789569726984	3181.571889950404	124.5624633180733	131.7766543404548
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264	261	19564	-19736.1413	963997.3170250766	39.520339637157512	-101.4986537	285217.9267787778	4377509.110292282	3453.185844058346	3315.6750583157	3189.522873	3182.08140715759585	121.1523593742702	128.59410750758402
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269	261	19569	-19406.1413	963997.3170250766	39.52045098	-101.4868629	286233.1837	4377488.701	3458.97938073945	3302.0434186655083	3177.057780261252	3179.07140294006	122.9637669369308	125.8643120961707
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272	261	19572	-19208.1413	963997.3170250766	39.52050051910416	-101.4799844	286826.332	4377476.54471417	3462.689753529551	3295.004618257593	3172.343340908163	3172.02202269762	126.16612734940619	121.8025955682315
273	261	19573	-19142.1413	963997.3170250766	39.52051364237305	-101.4776103	287027.385353123	4377472.736952762	3463.24888894612	3295.6528283761018	3173.303732039347	3174.64850889208	119.34912513675454	118.0043194389306
274	261	19574	-19076.1413	963997.3170250766	39.52052612670455	-101.4752721	287228.4352541227	4377468.29647206	3463.39806435623	3290.32084835623	3174.1313047800745	3175.67068798876	116.198200555483	114.64989680675573
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278	261	19578	-18812.1413	963997.3170250766	39.520578581205536	-101.4659194	288032.832765702	4377451.97581962	3453.359112309063	3276.181784074043	3179.005677389473	3180.46345307893	92.2561030357707	90.79841056681557
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291	261	19591	-17954.1413	963997.3170250766	39.520732757376974	-101.4355232	290646.2518405423	4377398.912757865	3438.096591032485	3257.27978683918	3152.02277576275	3154.858982518975	20.752103204212	90.1797413884422
292	261	19592	-17888.1413	963997.3170250766	39.52075404266186	-101.433185	290847.298081834	4377394.89669639	3433.861925960393	3245.689536808916	3149.956459564756	3152.94226979441	10.7244771524397	90.273866701476709
293	261	19593	-17822.1413	963997.3170250766	39.520766252578925	-101.4308468	291048.334907673	4377392.78827525	3431.639795	3254.0948672164027	3148.449910577025	3151.31231225997	6.04649566393776	102.7026894304299
294	261	19594	-17756.1413	963997.3170250766	39.520778379732816	-101.4285087	291249.3897793205	4377386.321026116	3429.411368152406	3252.520833030148	3147.591588874343	3150.534755	10.92294414270465	101.9860772788817
295	261	19595	-17690.1413	963997.3170250766	39.520790926909534	-101.4261705	291450.4328016226	4377382.761461818	3427.77796293941	3250.968320024433	3146.566727607052	3148.0288285657524	10.3189503839143	101.1183734669093
296	261	19596	-17624.1413	963997.3170250766	39.52080301123302	-101.4238323	291651.4806577144	4377378.58035154	3425.266382327402	3249.409133280243	3146.0648215747308	3148.1826247481176	10.33431176950511	102.230853212559
297	261	19597	-17558.1413	963997.3170250766	39.520815926909534	-101.4214814	291859.5208905949	4377374.00368153	3424.194319433828	3248.791584382781	3145.791584382781	3147.591584382781	9.920283770531	95.52370985112
298	261	19598	-17492.1413	963997.3170250766	39.52082704464621	-101.4191559	292048.57078075785	4377371.429345783	3421.2711738339	3246.350643311157	3145.341817673047	3147.085219359596	9.0004757890555	98.36542407
299	261	19599	-17426.1413	963997.3170250766	39.52083893535586	-101								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SatHtKgr.f	SatHtBotKgr.f
381	261	192781	-112041.1413	963997.3170250766	39.52166509582811	-101.2250843	308739.60865476656	37370.923267005455	3239.2251830072846	3140.447711244091	3044.680184822996	3047.6459389495737	30.76752642109477	92.80172729451715
382	261	192782	-119481.1413	963997.3170250766	39.52167325947963	-101.2227461	308940.6374026677	37370.923267005455	3236.2629963237304	3044.214972431006	3047.8963643347092	30.76752642109477	92.80172729451715	91.36387352845474
383	261	192783	-118821.1413	963997.3170250766	39.52167325947963	-101.2227461	308940.6374026677	37370.923267005455	3236.2629963237304	3044.214972431006	3047.8963643347092	30.76752642109477	92.80172729451715	91.36387352845474
384	261	192784	-118161.1413	963997.3170250766	39.52167325947963	-101.2180696	309243.6935	37370.923267005455	3235.828243160047	3139.8676282429908	3043.0407667035196	3046.2550128897024	90.62127335238842	90.8201733040393
385	261	192785	-117501.1413	963997.3170250766	39.521676821445605	-101.2157314	309543.7214350549	37370.923267005455	3236.505828379033	3135.6572828435024	3042.3047325824733	3044.971304243832	90.7630756262091	90.7039260210222
386	261	192786	-116841.1413	963997.3170250766	39.5217056433766	-101.2133931	309744.7491910986	37370.923267005455	3237.183363394178	3134.4656485966702	3041.4801571534913	3043.517463361368	92.98549144317894	90.9481902605347
387	261	192787	-116181.1413	963997.3170250766	39.5217361742317	-101.2110549	309945.7768731472	37370.923267005455	3238.70618454892	3133.24532967878736	3040.6442517104915	3042.0807796638204	90.7843859	90.7843859
388	261	192788	-115521.1413	963997.3170250766	39.52172154630295	-101.2087167	3101476.80414509145	37370.923267005455	3241.82697338221	3132.0120444727136	3039.963066729195	3041.557804811215	92.64897747381866	90.945423966
389	261	192789	-114861.1413	963997.3170250766	39.5217294501349	-101.2063784	310347.8314345344	37370.923267005455	3242.696734342861	3130.765966382157	3038.01684310655	3041.557804811215	92.64897747381866	90.945423966
390	261	192790	-114201.1413	963997.3170250766	39.5217272635349	-101.2040042	310548.853563516	37370.923267005455	3243.56569	3129.502108438197	3037.89323751532	3041.557804811215	92.64897747381866	90.945423966
391	261	192791	-113541.1413	963997.3170250766	39.521745061924214	-101.2017019	310749.88518393214	37370.923267005455	3243.728540074311	3128.219800610493	3036.433684104931	3037.89323751532	92.64897747381866	90.945423966
392	261	192792	-112881.1413	963997.3170250766	39.52175281012522	-101.1993637	310650.911624618	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
393	261	192793	-112221.1413	963997.3170250766	39.52176053156515	-101.1970254	311151.9382841255	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
394	261	192794	-111561.1413	963997.3170250766	39.5217681701802	-101.1946872	311352.964571301	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
395	261	192795	-110801.1413	963997.3170250766	39.52177578370978	-101.192349	311553.9606456738	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
396	261	192796	-110241.1413	963997.3170250766	39.52178335123177	-101.190017	311755.1046498782	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
397	261	192797	-109581.1413	963997.3170250766	39.52179037583834	-101.1876725	311956.402720235	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
398	261	192798	-108921.1413	963997.3170250766	39.52179835076633	-101.1853242	312157.0670066513	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
399	261	192799	-108261.1413	963997.3170250766	39.521805782778884	-101.182996	312358.0915943433	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
400	261	192800	-107601.1413	963997.3170250766	39.52181316962162	-101.1806577	312559.1158288047	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
401	261	192801	-106941.1413	963997.3170250766	39.521820511294466	-101.1783195	312761.168014349644	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
402	261	192802	-106281.1413	963997.3170250766	39.521828761	-101.1759812	312961.168014349644	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
403	261	192803	-105621.1413	963997.3170250766	39.5218361291206	-101.1736473	313162.168014349644	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
404	261	192804	-104961.1413	963997.3170250766	39.52184426523396	-101.1713047	313363.21771061315	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
405	261	192805	-104301.1413	963997.3170250766	39.521849426287204	-101.1689665	313564.2144141957	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
406	261	192806	-103641.1413	963997.3170250766	39.52185654211063	-101.1666282	313765.2650544396	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
407	261	192807	-102981.1413	963997.3170250766	39.52186381276409	-101.16429	313966.2895968077	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
408	261	192808	-102321.1413	963997.3170250766	39.52187063824765	-101.1619157	314167.3110530737	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
409	261	192809	-101661.1413	963997.3170250766	39.521878185191206	-101.1596138	314368.3366328915	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
410	261	192810	-101001.1413	963997.3170250766	39.52188513704815	-101.1573752	314569.3528712126	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
411	261	192811	-100341.1413	963997.3170250766	39.52189143647841	-101.155037	314770.38314447866	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
412	261	192812	-99681.1413	963997.3170250766	39.5218982848205	-101.1525987	314971.048126795	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
413	261	192813	-99021.1413	963997.3170250766	39.52190508115645	-101.150205	315172.4288320636	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
414	261	192814	-98361.1413	963997.3170250766	39.5219118425791	-101.1479222	315373.45155529724	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
415	261	192815	-97701.1413	963997.3170250766	39.52191851872744	-101.145584	315594.473997949	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
416	261	192816	-97041.1413	963997.3170250766	39.52192511599685	-101.143257	315805.438256294	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
417	261	192817	-96381.1413	963997.3170250766	39.52193218345204	-101.1409075	315976.5184427094	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
418	261	192818	-95721.1413	963997.3170250766	39.5219384073624	-101.1385692	316177.50453483055	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
419	261	192819	-95061.1413	963997.3170250766	39.52194483734945	-101.136231	316378.5620917076	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
420	261	192820	-94401.1413	963997.3170250766	39.521951420792604	-101.1338927	316579.5836131992	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
421	261	192821	-93741.1413	963997.3170250766	39.5219581680791204	-101.131554	316780.6409781204	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
422	261	192822	-93081.1413	963997.3170250766	39.521964251018495	-101.1292167	316981.6216413936	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
423	261	192823	-92421.1413	963997.3170250766	39.52197071708548	-101.126973	317193.6836000294	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897747381866	90.945423966
424	261	192824	-91761.1413	963997.3170250766	39.5219769	-101.124572	317393.6836000294	37370.923267005455	3243.708828274531	3128.705655502284	3034.666978983254	3036.433684104931	92.64897	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f	
507	261	19397	-36981.14133	963997.3170250766	39.522342596799077	-100.304632	334067.79508575855	4376523.392422944	262.611638218175	299.5916481439247	299.5903080486033	2888.36232	43.77128729712149	61.38932385952495
508	261	19398	-36321.14133	963997.3170250766	39.52234508	-100.3281428	334268.8016554711	2947.554192910621	2907.55430915136116	2906.2243231097177	2890.466272222576	41.6795684039838	57.4376192910335	57.4376192910335
509	261	19399	-35661.14133	963997.3170250766	39.5223475950766	-100.3257866	334469.806816895	437651.311932373	3000.48476203667	2935.86895306468	2907.4579031133063	2884.418881643589	53.6266471339759	51.6646686
510	261	19400	-35001.14133	963997.3170250766	39.5223496778351	-100.3234484	334670.814120613	437651.11907177	3004.29765670496	2940.903636165546	2900.900948329298	44.879045841155	43.306704203644	43.306704203644
511	261	19401	-34341.14133	963997.3170250766	39.52235330706006	-100.3211101	334871.8203993458	4376507.27224694	3027.2830708803474	2942.5452676696477	2912.405126667952	37.0318622057037	30.140140169561	35.226405463894025
512	261	19412	-33681.14133	963997.3170250766	39.52235468457616	-100.3187718	335072.826324055	437651.224756025	3001.914761256696	2940.828581555755	2916.60321359475	29.1513131058086	24.225366196279992	25.1514946
513	261	19413	-33021.14133	963997.3170250766	39.5223568103834	-100.3164353	335273.8302929403	4376496.21470051	3016.60122544892	2939.148152	2918.224834756082	29.1912471881399223	20.92136830377937	19.4005916350537763
514	261	19414	-32361.14133	963997.3170250766	39.52235917848416	-100.3140923	335474.8376955544	4376496.18437330	3021.287483770914	2937.504	2904.5935308047615	29.0527.163	32.91469325698614	32.21683732010104
515	261	19415	-31701.14133	963997.3170250766	39.52236137068708	-100.3117569	335675.8431465887	4376491.153517785	3030.538680356832	2935.868957755467	2897.4124053505147	2892.689916399	43.4330972296507	43.2569659204747
516	261	19416	-31041.14133	963997.3170250766	39.52236332	-100.3094187	335876.8448333488	4376487.126981336	3042.265250209445	2934.322140543639	2891.563911849301	2891.502752674561	52.8273671618335	52.8273671618335
517	261	19417	-30381.14133	963997.3170250766	39.52236565195221	-100.3070804	336077.855631938	4376483.08418037	3028.021650552088	2932.76176	2872.2973973480083	2872.3325733429643	40.48427814295664	30.62122351029566
518	261	19418	-29721.14133	963997.3170250766	39.5223676378484	-100.3047421	336278.8585307673	4376479.07107865	3029.778064904749	2932.27366455565	2865.736927724736	2865.692304066283	65.5543273091085	65.5800623889306
519	261	19419	-29061.14133	963997.3170250766	39.52236968793371	-100.3024038	336479.8636403639	4376476.024710804	3030.6737149813807	2929.792107156424	2862.1370047890214	2862.321441488344	67.65851023674823	67.47085868680002
520	261	19420	-28401.14133	963997.3170250766	39.52237165	-100.3000655	336680.8612971757	4376471.014	3030.706002859588	2927.307486317	2860.3089427043765	2860.25282817403	67.08213215924061	67.4179204801394
521	261	19421	-27741.14133	963997.3170250766	39.5223735531525	-100.8977273	336881.8724843233	4376466.987	3048.13359531105	2917.234975722345	2857.3337456793747	2858.676089106327	59.1671340438281	58.61837081256181
522	261	19422	-27081.14133	963997.3170250766	39.52237545157407	-100.895389	337082.8781855256	4376462.950390225	3030.919544772165	2908.1234719346465	2855.568925288766	2855.646821635273613	52.1098327296507	52.1098327296507
523	261	19423	-26421.14133	963997.3170250766	39.52237782445646	-100.8930507	337283.8809646495	4376458.93233356	3033.1887073089501	2904.018550080045	2858.791725175735	2859.682175442441	57.78303276027465	56.9715835525263
524	261	19424	-25761.14133	963997.3170250766	39.522379086146314	-100.8907124	337484.885120807	4376457.88191913	3037.9774842529992	2922.7097383871674	2858.478783193133	2859.5480557456098	64.2300519403432	63.1618161455761
525	261	19425	-25101.14133	963997.3170250766	39.5223808067064	-100.8883741	337685.8882732476	4376450.85203768	3042.765233969678	2921.340576760537	2858.897758123168	2859.352902668552	62.42281863736887	61.9875650919847
526	261	19426	-24441.14133	963997.3170250766	39.52238265403482	-100.8860358	337866.8975617673	4376446.875017688	3045.255069853682	2919.8827329535	2856.437390285443	2859.09147211249	61.61519234366124	60.89165011156925
527	261	19427	-23781.14133	963997.3170250766	39.52238415222664	-100.8836976	338087.8961727317	4376442.85205416	3048.324688857016	2918.63488985706	2857.9532465234796	2858.7068463	60.8814534328283	59.92784595
528	261	19428	-23121.14133	963997.3170250766	39.522385759531525	-100.8813593	338288.8724843233	4376446.987	3048.13359531105	2917.234975722345	2857.3337456793747	2858.676089106327	59.1671340438281	58.61837081256181
529	261	19429	-22461.14133	963997.3170250766	39.52238791965524	-100.879021	338489.8781965524	4376437.731981785	3033.919544772165	2908.1234719346465	2855.568925288766	2855.646821635273613	52.1098327296507	52.1098327296507
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532	261	19432	-20481.14133	963997.3170250766	39.52239172759767	-100.8720061	339092.911497296	4376422.697338551	3049.75402553794	2912.014820289016	2856.106276560528	2856.811599005005	55.9042057284854	55.19883029019
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535	261	19435	-18501.14133	963997.3170250766	39.52239675957109	-100.8650633	339696.98074025	4376408.459179317	3055.932574271665	2908.1234719346465	2855.568925288766	2855.646821635273613	52.1098327296507	52.1098327296507
536	261	19436	-17841.14133	963997.3170250766	39.5223987322031	-100.86263	339898.98074025	4376404.589179317	3058.932574271665	2906.178178148	2854.544189103397	2854.544189103397	52.2904009717087	51.84882176147178
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539	261	19439	-15861.14133	963997.3170250766	39.52240043314215	-100.8556381	340499.9264734254	4376394.52670458	3038.78132140976	2902.95902088365	2847.80818986758	2851.2065215649595	55.1089831205941	51.75205705286084
540	261	19440	-15201.14133	963997.3170250766	39.52240149610748	-100.853299	340700.9279296915	4376390.50326856	3037.7350704791166	2845.571791872226	2850.06420193362	2850.06420193362	55.1089831205941	51.75205705286084
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543	261	19443	-13221.14133	963997.3170250766	39.52240431397754	-100.8462858	341293.9316245811	4376378.6793487	3031.91828636098	2897.739655212447	2846.948149879203	2847.9763271021	55.1089831205941	51.75205705286084
544	261	19444	-12561.14133	963997.3170250766	39.5224052625897	-100.8439467	341504.9325273104	4376374.410981545	3025.301624102073	2896.42719541033	2839.86423148306	2848.7180471426045	55.1089831205941	51.75205705286084
545	261	19445	-11901.14133	963997.3170250766	39.5224061336976	-100.8416084	341705.9337343107	4376370.389	3028.583454174576	2895.115520536073	2839.5843093611	2848.7180471426045	55.1089831205941	51.75205705286084
546	261	19446	-11241.14133	963997.3170250766	39.52240692530915	-100.8392702	341906.9330724694	4376366.36234229	3026.9152664685	2893.83327397353	2839.8500781137473	2850.050030925153	53.6366260530594	53.1982394387876
547	261	19447	-10581.14133	963997.3170250766	39.5224078770556	-100.8369319	342107.9344150025	4376362.341809025	3025.02969	2892.4903727105	2839.5843093611	2850.050030925153	53.6366260530594	53.1982394387876
548	261	19448	-9921.14133	963997.3170250766	39.5224087374985	-100.834616	342308.9347040576	4376358.22344046	3022.903476719332	2891.1874121511	2839.5843093611	2850.050030925153	53.6366260530594	53.1982394387876
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550	261	19450	-8601.14133	963997.3170250766	39.52240961356816	-100.8301917	342710.9348429163	4376350.27080885	3018.680462	2888.5974183713677	2839.5843093611	2850.050030925153	53.6366260530594	53.1982394387876
551	261	19451	-7941.14133	963997.3170250766	39.5224102744126	-100.8275787	342911.9346							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
631	261	190303	46178.8586730335	963997.3170250766	-05.52230959528825	-05.63583958	35939.42209925475	4376017.243004128	2894.246044963874	2757.153178904678	2681.615391455365	2682.699612102338	75.35778744930105	74.45356678434973
634	261	190304	46838.8586730335	963997.3170250766	-05.52229972642511	-05.6358212	35994.409951842	4376013.239	2896.439807948576	2754.363405419754	2680.753274609327	2680.19940400831907	74.2101568104274	74.763490530213871
635	261	190305	47498.8586730335	963997.3170250766	-05.52236849815498	-05.6358129	35978.96737586739	4375909.238032368	2896.024541817624	2752.724851272015	2679.732881272015	2679.732881272015	74.33029298	74.6328789544807
636	261	190306	48184.8586730335	963997.3170250766	-05.52232247205929	-05.6358202	35996.38538925163	4376003.23400436	2892.49468761128	2750.592896	2678.5315564536073	2679.450478519635	72.06112128641295	71.14220740025933
637	261	190307	48818.8586730335	963997.3170250766	-05.5222896068922	-05.6264864	36019.3728851224	4376001.232004128	2890.9647101338412	2748.421444388857	2676.9972271149672	2677.488527296054	71.42422172738895	66.92287139280279
638	261	190308	49478.8586730335	963997.3170250766	-05.52226654203237	-05.6241841	36038.3602644906	4375997.227292594	2886.2628910313	2746.2628910313	2675.5629746714535	2680.606847705107	66.9558202521133	66.9558202521133
639	261	190309	50138.8586730335	963997.3170250766	-05.5222831334478	-05.6218098	36059.94734735644	4375994.224786531	2880.9647101338412	2744.1845353192243	2673.7062439192043	2677.4024139128243	64.6185323956643	64.6185323956643
640	261	190310	50798.8586730335	963997.3170250766	-05.522279679216425	-05.6194715	36080.3435665447	4375993.224822529	2886.019864181594	2741.9892827679128	2671.684068001207	2681.672051949569	70.3052139729204	70.11732073343636
641	261	190311	51458.8586730335	963997.3170250766	-05.52226717991753	-05.6171533	36101.9215256433	4375992.224822529	2886.019864181594	2741.9892827679128	2671.684068001207	2681.672051949569	70.3052139729204	70.11732073343636
642	261	190312	52118.8586730335	963997.3170250766	-05.52227265447514	-05.6147195	36120.202304	4375991.21850077	2885.483572837267	2739.782896951862	2677.381621427972	2675.9602071171492	70.4242954151426	61.822782804905
643	261	190343	52778.8586730335	963997.3170250766	-05.52224858069044	-05.6124567	361403.500430306	4375989.21850077	2880.9647101338412	2735.70738833105	2665.2097211534265	2675.214332439623	70.497657698401	60.4924035034816
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645	261	190345	54098.8586730335	963997.3170250766	-05.52226713013664	-05.6077802	36185.2680272887	4375986.2142031295	2873.342962523964	2731.6731942151744	2661.5305139825897	2676.994353004155	70.561878392115885	64.561878392115885
646	261	190346	54758.8586730335	963997.3170250766	-05.5222805806903	-05.6054149	36206.2543004141	4375965.21381306	2869.1597292359	2729.591597292359	2659.396875023888	2671.552640968347	70.19028470591678	58.0435167088822
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652	261	190352	58718.8586730335	963997.3170250766	-05.52223470630607	-05.5914122	36322.1268067479	4375941.21502024	2846.672698211405	2717.9111084895	2648.4859600546056	2652.228807166715	69.42148543955	65.6823011232044
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655	261	190355	60698.8586730335	963997.3170250766	-05.5221642432658	-05.5839959	36382.6191011067	4375929.21263792	2836.159550444075	2714.163470795883	2642.975049	2644.21880774299	71.2057975392617	69.9573663058945
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661	261	190361	64698.8586730335	963997.3170250766	-05.5221667089898	-05.5703678	365012.039809019	4375905.22289789	2816.784561102324	2701.731416795883	2638.54097698963	2648.13030628183	70.2916288488254	51.8144115221863
662	261	190362	65318.8586730335	963997.3170250766	-05.52216020581	-05.5695717	365217.01030085	4375901.225657871	2814.64545301257	2700.0262020925	2637.320584270925	2646.56174786985	70.020335249483	43.4640778
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665	261	190365	67298.8586730335	963997.3170250766	-05.52217864553416	-05.5610147	365824.9880125953	4375889.234	2809.20543542345	2695.007760	2629.52401277828	2631.319526539354	62.425400714172	63.68817956516094
666	261	190366	67958.8586730335	963997.3170250766	-05.52217401696885	-05.5586764	366025.9529133	4375885.237	2807.34510340483	2693.66549030374	2625.6432276756677	2625.633735667207	67.7224672736677	67.7319412383016
667	261	190367	68618.8586730335	963997.3170250766	-05.52216834225996	-05.5563382	366236.934153285	4375881.241	2804.2425883405204	2691.739151711732	2621.334984	2618.98561977377	70.4041751594931	71.8826235382028
668	261	190368	69278.8586730335	963997.3170250766	-05.5221642432658	-05.5539959	366427.91963391	4375877.24421007	2799.85178149894	2690.127126	2616.84904647362	2614.365103142464	73.7117198	75.7620215866349
669	261	190369	69938.8586730335	963997.3170250766	-05.5221586802459	-05.5516616	366628.9028571197	4375873.24172887	2798.54331166515	2688.52897820324	2612.87178267824	2615.78563790356	70.6514680327054	78.7827663
670	261	190370	70598.8586730335	963997.3170250766	-05.52215505100221	-05.5493234	366829.880229169	4375869.252	2797.7317584041	2686.942293410226	2610.8032997483647	2607.3859172394873	71.389936196115	79.55637617073853
671	261	190371	71258.8586730335	963997.3170250766	-05.5221501965842	-05.5469851	367030.8690609523	4375865.256512016	2798.331763836963	2685.66825295863	2609.0647593517915	2606.73162090335	76.302103177483	78.63370403925124
672	261	190372	71918.8586730335	963997.3170250766	-05.5221453	-05.5446468	367231.8197155655	4375861.260999244	2796.95474474881	2683.01868944276	2608.731790687393	2606.3764654979706	76.2300781247034	77.4252239647178
673	261	190373	72578.8586730335	963997.3170250766	-05.52214032234416	-05.5423088	367432.83485471515	4375857.265992587	2795.853306036622	2682.2617902460506	2606.78362	2606.010302114489	75.4630911878015	76.2369773
674	261	190374	73238.8586730335	963997.3170250766	-05.52213536230487	-05.5399703	367633.815106045	4375853.270607007	2794.20425883405204	2681.739151711732	2621.334984	2618.98561977377	70.4041751594931	71.8826235382028
675	261	190375	73898.8586730335	963997.3170250766	-05.52213032706587	-05.5376916	367834.924019577	4375849.27412007	2793.148518518518	2680.9494054554	2680.9494054554	2680.9494054554	74.4183071345454	76.089678425935
676	261	190376	74558.8586730335	963997.3170250766	-05.52212542693472	-05.5352327	368035.782445567	4375845.28103748	2792.788054977404	2677.628930624067	2605.840413	2605.718655370836	71.782579516548	71.0190369
677	261													

ix	iy	ic	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIEvLogKgr.	BREIEvBothKgr.	SatHtBothKgr.	SatHtBothHt.
19	262	19319	-359061.1413	964657.3170250766	39.515741868639704	-102.0719504	235957.5138915944	437877.131122313	3856.961563939403	3644.0926738679414	3563.425493158511	3563.4948545273614	80.6671807943034	80.5971830457992
20	262	19319	-358401.1413	964657.3170250766	39.517566418636616	-102.0691625	236168.5233405843	437872.195651518	3854.3953157937405	3642.793327430761	3561.5345809481744	3561.5441892814471	81.2597468	81.2491381493141
21	262	19319	-357741.1413	964657.3170250766	39.51769062397415	-102.066449	236359.732555102	437870.784	3851.7706800181	3641.4983671151154	3559.623386277383	3559.6373386277383	81.45712247	81.45712247
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23	262	19319	-356421.1413	964657.3170250766	39.51763978470874	-102.0621487	236761.95107367817	437870.75899668	3844.001360890161	3638.860307295338	3557.9638117231543	3557.442693339640	80.8964957218354	81.411073521394775
24	262	19319	-355761.1413	964657.3170250766	39.51766416802996	-102.0598108	236963.058913609	437869.54552124	3837.53631246623365	357.2913352718357	3556.654246823654	3556.654246823654	80.8820612497160	80.8820612497160
25	262	19319	-355011.1413	964657.3170250766	39.51768849	-102.054729	237164.16674896984	437869.23073668	3828.592102220656	3636.205451798524	3556.693438999046	3556.693438999046	81.3587644806968	81.62808575887902
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38	262	19319	-346521.1413	964657.3170250766	39.5180006000376	-102.0270797	239778.5427209148	437863.591710341	3842.182189223134	3618.6037349603934	3540.641889280763	3539.630402360049	76.9591862386009	78.97292436049338
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47	262	19319	-340581.1413	964657.3170250766	39.51821220376734	-102.0060829	241592.126037654	437859.4176119753	3823.654982557204	3605.103027527694	3524.76147481407	3524.76147481407	81.81945891767	81.81945891767
48	262	19319	-340021.1413	964657.3170250766	39.518235494515	-102.0037022	241789.2818022	437859.287	3821.47897287	3603.558332243	3523.022269	3523.022269	82.073702348145	81.3981910537256
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53	262	19319	-336721.1413	964657.3170250766	39.5183512405572	-101.9920704	242795.09028114858	437858.64225548	3824.68528275999	3598.427155659799	3513.3089895	3516.353592577522	85.3388914745968	82.6130730785275
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63	262	19320	-330021.1413	964657.3170250766	39.51857935593183	-101.9686307	244806.085747581	437853.369735557	3806.316795185	3588.029941637753	3490.856977971142	3509.761206040455	84.923863698721927</	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVBothKrg.ft	BRELEVBothKrg.ft	SatHtBoth.ft	SatHtBoth.ft	
142	262	193285	-275901.1413	964657.3170250766	39.520279548933765	-101.7769116	261295.31468874923	473189.752366429	3663.497809067856	340.0707229404533	3345.293795181713	3349.246362584013	31.713477178882032	127.76091035652053	
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151	262	193291	-271941.1413	964657.3170250766	39.520392030101874	-101.7628831	262501.780021372	473183.105797889	3656.465200020036	3468.745447731376	3337.518136470881	3346.6217318122072	31.73925712222203	126.7793534264628	
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153	262	193293	-270621.1413	964657.3170250766	39.52042952660574	-101.7582068	262903.9325440714	473184.892004171	3652.690411	3465.851894468155	3335.187531402634	3344.61789235928	31.73925712222203	126.7793534264628	
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157	262	193297	-267981.1413	964657.3170250766	39.52050289	-101.7488545	263708.236913601	473186.407012072	3637.3540091007685	3460.27725825092	3329.6910421043545	3341.877470408452	31.73925712222203	126.7793534264628	
158	262	193298	-267321.1413	964657.3170250766	39.52052132013239	-101.7465163	263909.31224484707	473184.361	3632.378002913104	3459.010787272504	3328.295024070727	3340.7069308257743	31.73925712222203	126.7793534264628	
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168	262	193308	-260721.1413	964657.3170250766	39.5207018709096	-101.7231352	265920.028753947	473181.6114397	3637.121652990493	3445.794907504975	3311.4051864791304	3344.269177102696	31.73925712222203	126.7793534264628	
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172	262	193312	-258081.1413	964657.3170250766	39.52077290928034	-101.7137828	266734.342650937525	473180.940490901	3624.178932020917	3440.732043437537	3302.795364	3340.732043437537	31.73925712222203	126.7793534264628	
173	262	193313	-257421.1413	964657.3170250766	39.52079050243845	-101.7114861	266949.4146870272	473182.09411845	3619.042981964158	3439.072851446814	3300.564083028625	3341.9384646896705	31.73925712222203	126.7793534264628	
174	262	193314	-256761.1413	964657.3170250766	39.52080914533048	-101.709108	267128.49847523	473180.921784205	3616.9597473429	3438.267084029922	3300.4565661679	3315.602581300941	31.73925712222203	126.7793534264628	
175	262	193315	-256101.1413	964657.3170250766	39.52082569537871	-101.7067864	267327.55749274634	473180.745973045	3609.326880084554	3437.004701880977	3296.1159532068823	3311.506844907198	31.73925712222203	126.7793534264628	
176	262	193316	-255441.1413	964657.3170250766	39.520843200197724	-101.7044303	267528.62866125966	473180.945277607	3605.7805215108933	3429.79630342077	3307.526766611401	3311.9839184766853	31.73925712222203	126.7793534264628	
177	262	193317	-254781.1413	964657.3170250766	39.5208606585104	-101.7020921	267729.696044767	473180.639921001	3601.278373896474	3434.5636079310034	3329.62965912414	3340.16721788224	31.73925712222203	126.7793534264628	
178	262	193318	-254121.1413	964657.3170250766	39.52087807	-101.699754	267930.292532855	473180.25412093841	3600.25412093841	3433.36798425335	3289.326714310763	3300.396713803024	3340.16721788224	31.73925712222203	126.7793534264628
179	262	193319	-253461.1413	964657.3170250766	39.52089543460557	-101.697419	268131.84079172418	473180.91365578	3592.69171105567	3432.16024747434	3286.93147489598	3300.396713803024	31.73925712222203	126.7793534264628	
180	262	193320	-252801.1413	964657.3170250766	39.520912781676107	-101.695077	268332.911044243	473180.91365578	3589.4708472725	3430.972851446814	3284.70784029922	3300.396713803024	31.73925712222203	126.7793534264628	
181	262	193321	-252141.1413	964657.3170250766	39.52093040680703	-101.6927386	268533.961052426	473180.91365578	3587.488917178567	3429.766221289087	3282.566601704008	3289.401295895478	31.73925712222203	126.7793534264628	
182	262	193322	-251481.1413	964657.3170250766	39.52094728063153	-101.6904015	268735.050639191	473180.4851846	3577.386416186465	3427.681779656466	3280.171976231646	3286.01289692566	31.73925712222203	126.7793534264628	
183	262	193323	-250821.1413	964657.3170250766	39.52096446299015	-101.6880634	268936.1204316481	473180.91365578	3571.637869373425	3427.447189173569	3278.30820525716	3282.566601704008	31.73925712222203	126.7793534264628	
184	262	193324	-250161.1413	964657.3170250766	39.52098216178268	-101.6857252	269137.189714503	473180.376857031	3565.24236397467	3426.279720606956	3275.8434538816628	3275.8434538816628	31.73925712222203	126.7793534264628	
185	262	193325	-249501.1413	964657.3170250766	39.52099871119637	-101.6833871	269338.2858859034	473180.376857031	3562.848588818752	3425.114313278632	3273.939171670455	3275.8434538816628	31.73925712222203	126.7793534264628	
186	262	193326	-248841.1413	964657.3170250766	39.52101576427004	-101.681408	269534.3277687275	473180.49224547	3552.451331835966	3423.98491965447	3272.77819781346	3275.8434538816628	31.73925712222203	126.7793534264628	
187	262	193327	-248181.1413	964657.3170250766	39.52103395078453	-101.6791481	269735.32282746	473180.49224547	3549.7285714281	3422.7851180976	3271.6817819844	3275.8434538816628	31.73925712222203	126.7793534264628	
188	262	193328	-247521.1413	964657.3170250766	39.52105219309412	-101.6767327	269931.4648510947	473180.219055711	3547.57538594845	3421.619647121876	3269.39524153				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtElevLogKrg.ft	SatHtBoth.ft
271	262	193411	-192741.1413	964657.3170250766	39.522300198071334	-11.48232036	286629.37360470804	4377681.8068959329	460.42686060564834	3296.9023451513835	3170.331412	3170.561286707937	326.759328002352	126.3382140089894
272	262	193412	-192081.1413	964657.3170250766	39.522313366845796	-11.47996454	286830.4233400379	4377677.125746223	3681.180251549867	3289.4913595448515	3171.5624852413349	3171.5624852413349	122.92887323224068	
273	262	193413	-191421.1413	964657.3170250766	39.52232639454704	-11.4838782	287031.4781465604	4377673.1448494243	3461.93188705138	3276.19401721261	3171.7174805	3172.820816654038	120.3230813306678	114.2833033672243
274	262	193414	-190761.1413	964657.3170250766	39.52233566888913	-11.4752889	287232.5239333795	4377669.564165923	3682.68634252034	3289.43733673057	3172.69633218454	3174.133307900149	117.04068414916038	115.6107766715688
275	262	193415	-190101.1413	964657.3170250766	39.52232660215804	-11.4725607	287433.5275950407	4377665.43898712	3461.28053139843	3287.4111797036044	3173.7353800492597	3175.364383035651	113.6759654347	112.0647666393145
276	262	193416	-189441.1413	964657.3170250766	39.522365509258325	-11.4706125	287634.6220157997	4377663.40367748	3457.715846336678	3285.1083517549346	3174.806710447748	3176.6258681428994	110.3160713071864	108.2483631203514
277	262	193417	-188781.1413	964657.3170250766	39.5223785319006	-11.4682743	287835.6710638241	4377657.32341021	3454.151119594031	3282.84834	3176.8790609717923	3178.0793554550227	106.05476487789	104.581985209675
278	262	193418	-188121.1413	964657.3170250766	39.522391430953185	-11.4659361	288036.7190333183	4377653.24588732	3458.79682211256	3280.9907902912186	3178.57624071369	3179.81056023277	103.0131662198461	100.7772342679409
279	262	193419	-187461.1413	964657.3170250766	39.52240426354765	-11.4638788	288237.7685345246	4377648.16386286	3446.85698515435	3278.9864625718	3180.828665354506	3182.968862727978	97.54988117156765	94.1418379773904
280	262	193420	-186801.1413	964657.3170250766	39.52241709097346	-11.4612586	288438.6189576174	4377645.08491751	3447.789306716561	3276.201278247905	3183.49802	3184.50850502382	92.7070541403	91.6944737
281	262	193421	-186141.1413	964657.3170250766	39.5224239853230584	-11.4589214	288639.8651728082	4377641.050416075	3447.112374044854	3274.01622730659	3185.88267402583	3186.905171331953	88.1888483801415	87.1659113964386
282	262	193422	-185481.1413	964657.3170250766	39.52244573011899	-11.456831	288840.9131	4377636.9265617	3446.435713092412	3272.01320523252	3183.96061645047	3185.52047877587	88.054538720504	86.49247144467326
283	262	193423	-184821.1413	964657.3170250766	39.52245524223865	-11.4542449	289041.969080379	4377631.767710491	3444.658375454754	3270.06181347241	3180.8347460408833	3182.582002969565	86.2264334	87.533177838
284	262	193424	-184161.1413	964657.3170250766	39.52246786898944	-11.4519067	289243.00857303035	4377628.769180532	3441.75639281615	3268.221397346337	3176.6637095525096	3176.624565266527	85.957788734135	86.8687081698417
285	262	193425	-183501.1413	964657.3170250766	39.52248045057169	-11.449858	289444.5695967685	4377624.69068758	3438.8624899782707	3266.459345751614	3172.0628435716435	3172.9802816465992	84.968700718	84.974906269
286	262	193426	-182841.1413	964657.3170250766	39.52249282696948	-11.4477202	289645.10313745204	4377620.6177602435	3435.9481495950284	3264.743514463489	3167.5916851245147	3168.95549505786	87.15182034	87.769574570328
287	262	193427	-182181.1413	964657.3170250766	39.522505478229455	-11.444892	289846.1501	4377616.534871895	3435.00445546681	3263.07346664708	3163.396801	3166.737635520128	86.6835461172814	86.6835461172814
288	262	193428	-181521.1413	964657.3170250766	39.522517924311266	-11.4425538	290047.1969751522	4377612.547120173	3435.97078562627	3261.3938846015553	3159.743272519409	3166.031958522277	81.65061208214638	81.65061208214638
289	262	193429	-180861.1413	964657.3170250766	39.52253032517787	-11.4402155	290248.2435548716	4377608.379756734	3436.930275687735	3259.74793128255	3156.579312736394	3158.700360118945	80.16848039186107	80.16848039186107
290	262	193430	-180201.1413	964657.3170250766	39.522542680955766	-11.4378773	290449.2886979464	4377604.352017028	3435.9126699804727	3257.9332846708954	3155.5051230735067	3154.3234153097724	80.02167109606609	80.02167109606609
291	262	193431	-179541.1413	964657.3170250766	39.52255489152465	-11.435539	290650.3360339964	4377600.225	3427.2881475430234	3256.4991641302026	3151.3695150022246	3151.3695150022246	80.1296326	80.1296326
292	262	193432	-178881.1413	964657.3170250766	39.52256725652457	-11.4332008	290851.3819772681	4377596.14688506	3425.0916804919157	3254.684169738034	3148.796522510434	3151.36035792986	80.097474895891	80.097474895891
293	262	193433	-178221.1413	964657.3170250766	39.52257964989137	-11.4308431	291058.528988687	4377591.671805185	3418.73267878889	3253.96953127194	3148.96953127194	3151.36035792986	80.097474895891	80.097474895891
294	262	193434	-177561.1413	964657.3170250766	39.52259165221745	-11.4285243	291253.4732449178	4377587.95714282	3410.696746371028	3251.719183105283	3147.3449462630115	3149.861019436047	80.097474895891	80.097474895891
295	262	193435	-176901.1413	964657.3170250766	39.52260378211038	-11.4261861	291454.5187111126	4377583.919551226	3402.329527416723	3250.148831380246	3146.553708241825	3148.553708241825	80.097474895891	80.097474895891
296	262	193436	-176241.1413	964657.3170250766	39.522615866834236	-11.4238479	291655.563692407	4377579.83403293	3425.7875565519107	3248.589894239916	3146.3267453786634	3149.38770189898	80.097474895891	80.097474895891
297	262	193437	-175581.1413	964657.3170250766	39.52262790389095	-11.4215096	291856.6808092623	4377575.76780483	3421.03933029049	3247.043933029049	3146.3897007626565	3149.212596713065	80.097474895891	80.097474895891
298	262	193438	-174921.1413	964657.3170250766	39.52263990074756	-11.4191714	292057.6532163195	4377571.69232781	3420.7036148231873	3245.511203165126	3146.42679035805	3149.212596713065	80.097474895891	80.097474895891
299	262	193439	-174261.1413	964657.3170250766	39.52265184989137	-11.4168243	292258.768988687	4377567.176018518	3418.73267878889	3244.96953127194	3148.96953127194	3151.36035792986	80.097474895891	80.097474895891
300	262	193440	-173601.1413	964657.3170250766	39.5226637453382	-11.4144849	292459.42171386927	4377563.143867976	3417.463081189224	3244.73032979676	3147.3449462630115	3149.861019436047	80.097474895891	80.097474895891
301	262	193441	-172941.1413	964657.3170250766	39.52267615917209	-11.4121568	292660.7862343856	4377562.467000261	3415.9607713808196	3244.96953127194	3148.96953127194	3151.36035792986	80.097474895891	80.097474895891
302	262	193442	-172281.1413	964657.3170250766	39.52268742662619	-11.4098184	292861.83120585	4377559.34239293	3415.472028176744	3239.518975195745	3139.72142136842	3142.806738590329	80.097474895891	80.097474895891
303	262	193443	-171621.1413	964657.3170250766	39.522699195166105	-11.4074802	293062.873246518	4377551.318	3414.51246641383	3238.0571833490585	3137.3564867269597	3140.261077591474	80.097474895891	80.097474895891
304	262	193444	-170961.1413	964657.3170250766	39.52271091853674	-11.4051419	293263.9171434935	4377547.243763454	3412.4902677447343	3236.4612072452436	3135.524163221051	3138.881933018046	80.097474895891	80.097474895891
305	262	193445	-170301.1413	964657.3170250766	39.522722596781	-11.4028037	293464.9600224774	4377543.169751512	3410.06553135466	3235.96570991448884	3134.98806195009	3136.36370397111	80.097474895891	80.097474895891
306	262	193446	-169641.1413	964657.3170250766	39.5227342709315	-11.4004654	293666.023080956	4377539.05554213	3410.640787041434	3234.77303396786	3132.347102882712	3135.524163221051	80.097474895891	80.097474895891
307	262	193447	-168981.1413	964657.3170250766	39.52274581763315	-11.3981272	293867.0465681895	4377535.023273412	3408.026957840737	3232.979571119056	3131.9755649188282	3134.963743749237	80.097474895891	80.097474895891
308	262	193448	-168321.1413	964657.3170250766	39.52275736032665	-11.3957898	294068.0892486154	4377530.949005129	3406.721153135998	3231.003717277842	3129.414956465057	3132.96823746386	80.097474895891	80.097474895891
309	262	193449	-167661.1413	964657.3170250766	39.5227688785058	-11.3934507	294269.2174265157	4377526.876	3404.41697823227	3229.624698	3128.192683832577	3131.69342631967	80.097474895891	80.097474895891
310	262	193450	-167001.1413	964657.3170250766	39.5227803102055	-11.3911124	294470.1740016909	4377522.80291614	3402.11240783946	3228.2939753070696	3127.948806020596	3130.63063916292	80.097474895891	80.097474895891
311	262	193451	-166341.1413	964657.3170250766	39.52279171739108	-11.3887742	294671.21607547853	4377518.7130194171	3400.06553135466	3226.957091448884	3126.9550812819147	3131.69342631967	80.097474895891	80.097474895891
312	262	193452	-165681.1413	964657.3170250766	39.5228036	-11.386439	294872.2574077776	4377516.657881965	3400.276343750238	3225.614571562752	3125.576436066176	3128.799163251534	80.097474895891	80.097474895891
313	262	193453	-165021.1413	964657.3170250766	39.5228153873568	-11.384103	295073.348092991	4377514.5408218	3400.276343750238	3225.614571562752	3125.576436066176	3128.799163251534	80.097474895891	80.097474895891
314	262	193454	-164361.1413	964657.3170250766	39.52282656793083	-11.3817594	295274.3104887772	4377506.5133709513	3400.06553135466	3225.614571562752	3125.576436066176	3128.799163251534	80.097474895891	80.097474895891
315	262	193455	-163701.1413	964657.3170250766	39.52283868443846	-11.3794212	2							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatHtLog.f	SatHtBoth.f
397	262	193537	-109581.1413	964657.3170250766	59.52360375466975	-101.1876821	311960.1025436125	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
398	262	193538	-108921.1413	964657.3170250766	59.523611221844185	-101.1853438	312161.12764575363	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
399	262	193539	-108261.1413	964657.3170250766	59.5236198640467675	-101.1830655	312362.1528622669	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
400	262	193540	-107601.1413	964657.3170250766	59.523626500180136	-101.1806672	312563.1776263071	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
401	262	193541	-106841.1413	964657.3170250766	59.52363339294159	-101.1783289	312764.2026872571	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
402	262	193542	-106281.1413	964657.3170250766	59.52364069632103	-101.1759906	312965.2227513667	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
403	262	193543	-105621.1413	964657.3170250766	59.52364794115141	-101.1736523	313166.25166021474	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
404	262	193544	-104961.1413	964657.3170250766	59.523655147499774	-101.171314	313367.27692726974	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
405	262	193545	-104301.1413	964657.3170250766	59.52366230697703	-101.168975	313568.29960278683	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
406	262	193546	-103641.1413	964657.3170250766	59.5236694248325	-101.1666374	313769.323756698	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
407	262	193547	-102981.1413	964657.3170250766	59.52367649551835	-101.1642991	313970.347146526	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
408	262	193548	-102321.1413	964657.3170250766	59.523683631218236	-101.1619608	314171.3709007814	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
409	262	193549	-101661.1413	964657.3170250766	59.52369050167522	-101.1596225	314372.3942	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
410	262	193550	-101001.1413	964657.3170250766	59.52369743996998	-101.1572842	314573.4173245951	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
411	262	193551	-100341.1413	964657.3170250766	59.523703427147584	-101.1549458	314774.4400646668	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
412	262	193552	-99681.1413	964657.3170250766	59.5237111712701	-101.1526075	314975.463027769	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
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415	262	193555	-97701.1413	964657.3170250766	59.52373143603822	-101.1455926	315578.53021750005	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
416	262	193556	-97041.1413	964657.3170250766	59.523738103033617	-101.1432543	315779.5525340064	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
417	262	193557	-96381.1413	964657.3170250766	59.5237451234	-101.140919	315980.5742122523	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
418	262	193558	-95721.1413	964657.3170250766	59.52375125341178	-101.138577	316116.95858988	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
419	262	193559	-95061.1413	964657.3170250766	59.52375782192714	-101.1362295	316263.98222214	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
420	262	193560	-94401.1413	964657.3170250766	59.52376345805238	-101.133901	316583.8370711331	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
421	262	193561	-93741.1413	964657.3170250766	59.52377044240764	-101.1315627	316784.65846537	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
422	262	193562	-93081.1413	964657.3170250766	59.523777137507864	-101.1292244	316985.680807836	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
423	262	193563	-92421.1413	964657.3170250766	59.52378348563666	-101.1268861	317186.7015901719	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
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425	262	193565	-91101.1413	964657.3170250766	59.523796466281305	-101.1222498	317588.7426183512	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
426	262	193566	-90441.1413	964657.3170250766	59.523803258915	-101.1198711	317789.7266758	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
427	262	193567	-89781.1413	964657.3170250766	59.5238084627382	-101.1175328	317990.78263306	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
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433	262	193573	-85821.1413	964657.3170250766	59.52384448	-101.1035029	319166.8996268846	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
434	262	193574	-85161.1413	964657.3170250766	59.5238503334822	-101.1011646	319397.8194601291	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
435	262	193575	-84501.1413	964657.3170250766	59.5238561338748	-101.0988263	319598.937141481	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
436	262	193576	-83841.1413	964657.3170250766	59.52386190025531	-101.096448	319799.9559215423	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
437	262	193577	-83181.1413	964657.3170250766	59.523867815951666	-101.0941496	320009.9738943055	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
438	262	193578	-82521.1413	964657.3170250766	59.5238732664766	-101.0918113	320210.962020422	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
439	262	193579	-81861.1413	964657.3170250766	59.5238786918296	-101.089474	320416.227401814	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
440	262	193580	-81201.1413	964657.3170250766	59.5238844201185	-101.0871347	320604.072741781389	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
441	262	193581	-80541.1413	964657.3170250766	59.52388902702224	-101.0847964	320805.0453491544	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
442	262	193582	-79881.1413	964657.3170250766	59.523895516861124	-101.082458	321006.0275753892	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
443	262	193583	-79221.1413	964657.3170250766	59.5239006512847	-101.0801197	321207.08	34771169.27980183	302.305565712915	311.49056318155644	302.19846634621163	302.6259217359856	92.81344171097035
444													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
521	262	196663	-26421.14133	964657.3170250766	39.524190178394726	-100.893063	337287.9129	4376660.1549897402	3028.0913352026337	20424.0047943826	2858.6252857830093	2859.918787417159	65.2189251913727	64.12532387
524	262	196664	-25761.14133	964657.3170250766	39.52419156414126	-100.8907147	337488.743787268	437667.1257884611	3033.78747727252	2922.86027373953	2863.346947693078	2959.564584190676	64.3155771309163	63.08588178633069
525	262	196665	-25191.14133	964657.3170250766	39.52409316954808	-100.883763	337869.923746987	437662.1001	3038.462521542874	2917.260768684717	2867.780768684717	2859.2743627849117	63.50024161303954	61.966103161303954
526	262	196666	-24441.14133	964657.3170250766	39.524195400118046	-100.8860738	338093.928553566	437664.070430145	3045.179747712989	2910.91046810651	2857.758855165567	2870.071793502503	63.4038090208433	60.93176271713053
527	262	196667	-23781.14133	964657.3170250766	39.524197050334826	-100.8836997	338091.927149131	437664.048	3047.7552794211024	2918.5446143210517	2867.6845513297835	2888.86666219302	60.8602662823219	59.67795139271357
528	262	196668	-23121.14133	964657.3170250766	39.52419865540639	-100.8813613	338292.0330391693	437663.021285187	3017.1966537254793	2871.1966537254793	2857.24156950906	2858.464530942325	59.742974677	58.7321278315441
529	262	196669	-22461.14133	964657.3170250766	39.52420021529241	-100.879023	338493.9334653066	437663.995244249	3046.665591193421	2915.865150982362	2857.07291468325	2857.80694412318	58.732044119137	58.04970748891809
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531	262	196671	-21141.14133	964657.3170250766	39.52420316954808	-100.8743663	338895.9389158406	437662.901	3048.217572529145	2917.260768684717	2867.0067681813894	2857.0067681813894	57.08344963268975	56.198531007516876
532	262	196672	-20461.14133	964657.3170250766	39.52420462391775	-100.8727079	339052.944333003	437662.918393499	3047.0104962224656	2911.947704100223	2857.718549687113	2856.54717260131	56.1195741230964	55.3440780627116
533	262	196673	-19821.14133	964657.3170250766	39.524206003115296	-100.8696696	339297.9438111485	437661.983203557	3037.619239515786	2910.593164852213	2855.822795078231	2856.247007607536	54.77039773381566	54.34546744647666
534	262	196674	-19161.14133	964657.3170250766	39.5242073714074	-100.8673133	339469.9480712385	437662.868296085	3034.3796209012643	2909.2980186602445	2855.7929640244423	2856.03607758678	53.6867543580218	53.26201091566555
535	262	196675	-18501.14133	964657.3170250766	39.5242086599403	-100.8649929	339698.9460710737	437661.843	3033.8339197288483	2908.0074495356644	2855.7966222562226	2856.109099253761	52.71028277100417	51.89754022876272
536	262	196676	-17841.14133	964657.3170250766	39.52420987	-100.8626546	339900.50022972	437660.818912817	3036.137602507115	2906.719537357327	2855.361977816304	2855.085869723675	51.35759537423185	50.36637681359593
537	262	196677	-17181.14133	964657.3170250766	39.52421106818424	-100.8603162	340101.9517819069	437660.794575559	3038.440180821175	2905.4312941420803	2852.393988172258	2854.2389960812948	50.03199596918247	49.11923013813242
538	262	196678	-16521.14133	964657.3170250766	39.52421222152113	-100.8579179	340302.933984723	437659.770514545	3040.743311367387	2904.140291396017	2849.02910224911	2852.29172402615	51.111914949029	51.8490209700871
539	262	196679	-15861.14133	964657.3170250766	39.52421333	-100.8556395	340503.945632003	437659.747	3040.451698237373	2902.8438603490	2848.502199694161	2850.558775242732	50.32463710907405	50.28260156678875
540	262	196680	-15201.14133	964657.3170250766	39.52421439267852	-100.8533012	340704.9561129344	437659.722842624	3037.57575305371	2901.5443398020786	2846.502199694161	2849.15304518666	50.32477722545629	50.3133628120969
541	262	196681	-14541.14133	964657.3170250766	39.52421541049704	-100.8509629	340905.9527179597	437658.699570829	3034.696341820053	2900.23842413485	2841.663022638651	2848.32087258986	50.85740177483452	51.89913715489925
542	262	196682	-13881.14133	964657.3170250766	39.524216383147306	-100.8486245	341106.9582584196	437658.670602829	3038.9266627228517	2893.555007681155	2847.385196078815	2847.385196078815	50.940042138574	50.940042138574
543	262	196683	-13221.14133	964657.3170250766	39.524217106236	-100.8462862	341307.9590903655	437657.653027778	3029.66586280285	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
544	262	196684	-12561.14133	964657.3170250766	39.52421819257267	-100.8439478	341507.9596794528	437657.631026363	3026.440180821175	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
545	262	196685	-11901.14133	964657.3170250766	39.52421925010851	-100.8416111	341722.853310191	437657.631026363	3026.440180821175	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
546	262	196686	-11241.14133	964657.3170250766	39.52421982201955	-100.8392711	341910.967055956	437657.5512878	3025.419458726374	2893.65479451693	2848.3918701235747	2848.3918701235747	50.9022095493868	50.9022095493868
547	262	196687	-10581.14133	964657.3170250766	39.52422056807266	-100.8369328	342111.9608041444	437657.652292008	3029.33188402359	2893.348851173982	2848.502199694161	2848.502199694161	50.9022095493868	50.9022095493868
548	262	196688	-9921.141327	964657.3170250766	39.52422170422736	-100.8345945	342312.961049849	437655.519	3020.471119157428	2891.01093	2831.710075038778	2850.134650599163	50.9022095493868	50.9022095493868
549	262	196689	-9261.141327	964657.3170250766	39.52422192866601	-100.8322561	342513.960624937	437655.519	3017.644381567847	2889.75307535059	2829.1517783729255	2830.5309315168483	50.9022095493868	50.9022095493868
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551	262	196691	-7941.141327	964657.3170250766	39.52422910423612	-100.827111	342922.853310191	437655.497582396	3014.817612199516	2888.420323952446	2825.5116611431886	2849.8572016527687	50.9022095493868	50.9022095493868
552	262	196692	-7281.141327	964657.3170250766	39.52423056162946	-100.8248211	343116.9195	437655.497582396	3014.817612199516	2888.420323952446	2825.5116611431886	2849.8572016527687	50.9022095493868	50.9022095493868
553	262	196693	-6621.141327	964657.3170250766	39.524234100917586	-100.8220272	343317.9590903655	437655.497582396	3014.817612199516	2888.420323952446	2825.5116611431886	2849.8572016527687	50.9022095493868	50.9022095493868
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555	262	196695	-5301.141327	964657.3170250766	39.52423949169434	-100.8182261	343719.9572414465	437655.497582396	3014.817612199516	2888.420323952446	2825.5116611431886	2849.8572016527687	50.9022095493868	50.9022095493868
556	262	196696	-4641.141327	964657.3170250766	39.52425257149636	-100.8158877	343920.506090367	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
557	262	196697	-3981.141327	964657.3170250766	39.524255252214645	-100.8135478	344121.95478815224	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
558	262	196698	-3321.141327	964657.3170250766	39.5242580210851	-100.811211	344322.853310191	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
559	262	196699	-2661.141327	964657.3170250766	39.5242600630107	-100.8089847	344523.95173112466	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
560	262	19700	-2001.141327	964657.3170250766	39.52426166379755	-100.8055343	344724.9496772515	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
561	262	19701	-1341.141327	964657.3170250766	39.5242628075713	-100.804196	344925.948	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
562	262	19702	-681.1413269	964657.3170250766	39.52426349962326	-100.8018576	345126.9460718325	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
563	262	19703	-21.14132693	964657.3170250766	39.52426373995376	-100.7995193	345327.9432148235	437657.329246195	3008.01175160477881	2879.323611959496	2808.1775259418376	2835.585181066	50.7352551769505	49.7352551769505
564	262	19704	638.85867303514	964657.3170250766	39.5242638256527	-100.797181	345528.94415807133	437649.518	2987.6140370223975	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
565	262	19705	1191.85867303514	964657.3170250766	39.52426452162946	-100.794799	345722.853310191	437649.518	2987.6140370223975	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
566	262	19706	1598.85867303514	964657.3170250766	39.5242651706155	-100.7925043	345930.9363067485	437649.518	2987.6140370223975	2897.6140370223975	2892.010216067459	2891.55717689229	50.9022095493868	50.9022095493868
5														

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKgr.ft	BRElevBothKgr.ft	SurfElevBothKgr.ft	SatHBothKgr.ft
49	262	193789	56738.8586770335	964657.3170250766	39.52405945196969	-100.5984221	362613.2166113103	4736154.15558965	2856.967708029327	2732.6777398082627	2653.010283492395	70.66745639502316
49	262	193790	57388.8586770335	964657.3170250766	39.5240554603387	-100.5963037	362814.2017014896	4736150.4151	2853.265596304245	2721.373440105617	2651.701626304045	69.2936352022458
49	262	193791	58018.8586770335	964657.3170250766	39.5240518492052	-100.5937464	363053.1871989471	4736151.45157673	2849.185612630936	2719.817429033636	2645.4534673984154	68.4534673984154
49	262	193792	58750.8586770335	964657.3170250766	39.52405475964671	-100.5914071	363216.1723865894	4736152.415272515	2845.336617109237	2719.913093679364	2648.1962068712915	68.25629310807269
49	262	193793	59378.8586770335	964657.3170250766	39.52405357195434	-100.5890367	363417.1575319154	4736154.15604074	2841.621415878945	2716.041609504373	2645.151861984886	67.8897451984915
49	262	193794	60038.8586770335	964657.3170250766	39.524043947	-100.5867304	363618.1426404495	4736154.14146821	2837.24022606552	2714.185654338851	2641.970174830187	66.708854562725458
49	262	193795	60698.8586770335	964657.3170250766	39.52405333877739	-100.5843921	363819.1274917205	4736140.41680073	2833.418255323946	2712.351278115275	2639.1116549814838	66.30143346450404
49	262	193796	61338.8586770335	964657.3170250766	39.52403116181067	-100.5820337	364200.1121815007	4736126.41796077	2828.765395306787	2710.535804	2638.433726132032	64.10013138657456
49	262	193797	62018.8586770335	964657.3170250766	39.5240529687216	-100.5797154	364231.0596932474	4736122.419645509	2824.108763896296	2708.24714382161	2636.0816658268457	63.6778262978715
49	262	193798	62678.8586770335	964657.3170250766	39.524027236187	-100.5773771	364422.0813	4736118.42033544	2815.454017423238	2705.9756830714714	2637.770570019172	62.0470070694957
49	262	193799	63338.8586770335	964657.3170250766	39.52401835987881	-100.5750387	364623.0565578026	4736114.4200373171	2816.818533839876	2705.2251982210023	2637.3570362100263	61.8664832104143
49	262	193800	63998.8586770335	964657.3170250766	39.524014	-100.5727004	364824.049886898	4736110.42382515	2816.2023201161232	2703.490330689292	2636.79662562123	61.52739500516919
49	262	193801	64658.8586770335	964657.3170250766	39.5240059940042	-100.5703621	365025.0338842935	4736106.42587866	2815.586104	2701.775697490147	2635.9430708019284	60.844808947023349
49	262	193802	65318.8586770335	964657.3170250766	39.52400515140311	-100.5680327	365226.1070630835	4736102.428117238	2814.969876704156	2700.0791007172334	2634.7004382155305	60.37866250170282
49	262	193803	65978.8586770335	964657.3170250766	39.52400658234044	-100.5659584	365427.0106028312	4736098.430687655	2813.959497	2700.99912904848	2632.8986102094485	59.64525958899167
49	262	193804	66638.8586770335	964657.3170250766	39.523998119893255	-100.5633471	365627.9855132022	4736094.42320316	2812.647302299131	2696.737303206743	2630.509073833094	58.7677822146011
49	262	193805	67298.8586770335	964657.3170250766	39.523991536380755	-100.5610088	365828.9691	4736090.43105208	2811.3053674591964	2695.00685728265	2629.157644355373	58.6390417288955
49	262	193806	67958.8586770335	964657.3170250766	39.5239870696525	-100.5586704	366029.925553164	4736086.43191921	2809.498216219786	2693.4598217646816	2628.8754846093064	58.4634377565414
49	262	193807	68618.8586770335	964657.3170250766	39.52398223340495	-100.5563321	366230.936834894	4736082.42490648	2807.9421339228	2691.844824747782	2619.908015900457	57.9368095532483
49	262	193808	69278.8586770335	964657.3170250766	39.523975174812984	-100.5539938	366431.918082295	4736078.446001381	2802.90999193342	2690.24547666224	2615.770371812091	56.627673925594
49	262	193809	69858.8586770335	964657.3170250766	39.52397725061399	-100.5516564	366632.9021529915	4736074.45	2798.65496539886	2688.65790578666	2611.925876230852	56.1862470481411
49	262	193810	70598.8586770335	964657.3170250766	39.52396741242695	-100.5493171	366833.8850597742	4736074.45358823	2796.45371476736	2687.083177743433	2610.12190196028	54.984678837381
49	262	193811	71238.8586770335	964657.3170250766	39.52395831083717	-100.5463464	367026.9871942494	4736074.45194545	2794.0182936719458	2685.091921454057	2609.485436976765	53.7124438254214
49	262	193812	71918.8586770335	964657.3170250766	39.52395816965575	-100.5446045	367235.805984064	4736074.45162417	2791.60772586118	2683.9651825078	2607.687061819362	52.71274050044
49	262	193813	72578.8586770335	964657.3170250766	39.5239532409731	-100.5423021	367436.8332587528	4736068.467	2791.26924628631	2682.420663162543	2607.1615797763193	52.2590383226665
49	262	193814	73238.8586770335	964657.3170250766	39.523948252039716	-100.5399638	367637.81591736	4736054.471515384	2790.76176726516	2680.843141031743	2606.558412313296	52.00188987167
49	262	193815	73898.8586770335	964657.3170250766	39.52394321681047	-100.5376255	367838.797980095	4736050.47650996	2792.471225933193	2679.3518512861236	2606.12546666516	51.73139914588173
49	262	193816	74558.8586770335	964657.3170250766	39.52393813649062	-100.5352872	368039.7807175976	4736048.481716342	2795.91777241308	2677.8338105180765	2605.6878106838773	50.798397371395
49	262	193817	75218.8586770335	964657.3170250766	39.52392831083717	-100.5329816	368239.8672078743	4736048.481716342	2794.0182936719458	2675.0812936719458	2604.16277443374	49.4381284195442
49	262	193818	75858.8586770335	964657.3170250766	39.523927840091685	-100.5312422	368441.7441573371	4736048.474945	2792.6458543248	2673.748167845428	2603.164271784542	48.2053141652273
49	262	193819	76538.8586770335	964657.3170250766	39.52392262417742	-100.5282722	368642.725985301	4736034.480607186	2791.05106289248	2673.323003138894	2603.1982420480181	47.63291170880493
49	262	193820	77198.8586770335	964657.3170250766	39.523917363090185	-100.5255939	368843.703732009	4736030.560461272	2790.84138436125	2671.804138436125	2602.498417023694	46.81185646176933
49	262	193821	77858.8586770335	964657.3170250766	39.523912066831364	-100.5235955	369044.6891824433	4736025.510927243	2790.87227045763	2670.369131425364	2603.37831539489	46.0025472951531
49	262	193822	78518.8586770335	964657.3170250766	39.52390671	-100.5215272	369245.2606062321	4736020.517405955	2789.232562407404	2668.912750760044	2598.324119388815	45.19866457363703
49	262	193823	79178.8586770335	964657.3170250766	39.523901308799076	-100.5191898	369448.651904741	4736018.52409447	2787.69569986534	2667.468567846207	2596.165787	44.712243924324
49	262	193824	79838.8586770335	964657.3170250766	39.5238958702502	-100.516596	369648.9620870743	4736018.52409447	2786.457874749849	2666.734306292407	2595.704306292407	43.98049816765
49	262	193825	80498.8586770335	964657.3170250766	39.5238903809605	-100.5142422	369846.611263076	4736010.538109833	2785.37032983768	2664.62859961261	2591.442743419993	42.914273217571
49	262	193826	81158.8586770335	964657.3170250766	39.5238844796413	-100.5119309	370049.5905098523	4736006.54541106	2783.704054118205	2662.328892061105	2588.621451699422	41.7680722568746
49	262	193827	81818.8586770335	964657.3170250766	39.5238797067614	-100.5095566	370250.5785057645	4736002.5529721	2782.045944183573	2661.82549806146	2585.419424731945	40.6371021402015
49	262	193828	82478.8586770335	964657.3170250766	39.52387364821662	-100.5072723	370451.556529629	4735998.56071147	2779.841732472484	2660.484985024841	2581.692399413436	39.78249541140523
49	262	193829	83138.8586770335	964657.3170250766	39.5238679805855	-100.504889	370652.5370773347	4735994.56881897	2776.554514	2659.129107178463	2579.49024515296	38.61387465025510
49	262	193830	83798.8586770335	964657.3170250766	39.52386267778318	-100.5025056	370853.5170677317	4735990.57	2775.067272939217	2657.782104840498	2574.5052304311316	37.7367473278173
49	262	193831	84458.8586770335	964657.3170250766	39.52385729006805	-100.500179	371054.5837398167	4735990.57	2773.83574378348	2656.49474378348	2573.73634378348	36.64914313898815
49	262	193832	85118.8586770335	964657.3170250766	39.5238507665387	-100.497874	371255.4779841575	4735982.59334399	2773.0685291186	2655.12339304845	2568.63240417158	35.47841932137988
49	262	193833	85778.8586770335	964657.3170250766	39.52384485834703	-100.4955357	371456.4580748291	4735978.60264286	2771.836193791215	2653.816003753525	2566.438175904516	34.6619473760192
49	262	193834	86438.8586770335	964657.3170250766	39.52383896	-100.4931974	371657.4378911636	4735974.611662453	2755.611348860066	2652.53248458073	2564.643692876246	33.777826370192
49	262	193835	87098.8586770335	964657.3170250766	39.5238320436901	-100.49089	371858.44177927064	4735970.621	2752.488963162927	2651.247170493766	2562.76730298832	32.81038273023447
49	262	193836	87738.8586770335	964657.3170250766	39.52382706213883	-100.4885027	372059.3947817815	4735966.63037189	2750.973489290736	2649.965097371622	2560.4381285447	31.834123164
49	262	193837	88458.8586770335	964657.3170250766	39.523821038555	-100.486134	372260.3770484152	4735962.639891472	2749.857874749849	2648.734306292407	2559.656467418623	30.8331477684978
49	262	193838	89078.8586770335	964657.3170250766	39.5238153919168	-100.4838441	372461.35493215	4735958.45868904	2748.50458542475	2647.50458542475	2554.7418305112	29.7404058703285
49	262	193839	89738.8586770335	964657.3170250766	39.5238081846465	-100.4815058	372662.3358154378	4735954.65930705	2747.05304358571	2646.265679804063	2553.491461805947	28.79510617442156
49	262	193840	90398.8586770335	964657.3170250766	39.5238026552398							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
35	263	193915	-348501.1413	965317.3170250766	35.91974198822144	-102.0341243	239179.37669199338	4738852.310015561	3827.3711807013674	35.2130265949114	3547.941807545167	3540.035658936446	71.0245284034965	81.31646758
36	263	193916	-347841.1413	965317.3170250766	35.91975658165327	-102.0317663	239380.48176622144	4738848.178	3825.845156	35.2000003356968	3545.736836880804	3547.4272231371347	74.26405546548927	78.53736712
37	263	193917	-347181.1413	965317.3170250766	35.91981349789602	-102.0294483	239881.5868621312	4738844.0540698	3833.31934289547	35.181851161468093	3543.127213340246	35.7328841285745	78.124673972613	80.85837972613
38	263	193918	-346521.1413	965317.3170250766	35.9198133755773	-102.0271103	239782.6911467447	473883.913509543	3836.793106122754	35.1703026330932674	35.5015158950345	35.383625308932674	79.10333657889	78.4400022
39	263	193919	-345861.1413	965317.3170250766	35.91983703	-102.0247723	239983.754891082	4738835.782	3838.4205648003266	35.1650037928757	3538.026488815262	35.368922673504083	77.9285491131378	79.03236444239284
40	263	193920	-345201.1413	965317.3170250766	35.91986067793466	-102.0224343	240184.899438268	4738831.65025287	3838.1998980509	35.16408012715052	3535.787347150557	35.350100723734943	78.95841444115794	79.03236444239284
41	263	193921	-344541.1413	965317.3170250766	35.919884203808964	-102.0200963	240386.0038214335	4738827.518958469	3837.97917629391	35.1626242132678	3533.8374557475193	35.332694238893158	79.4288677467618	79.99303364332627
42	263	193922	-343881.1413	965317.3170250766	35.91990783766576	-102.0177583	240639.10681193322	4738823.787884	3837.7598472073691	35.17186824292143	3531.12962035546	35.31839878060537	79.80572021366834	80.0788418865716
43	263	193923	-343221.1413	965317.3170250766	35.91993194789602	-102.0154203	240788.210	4738819.257010498	3838.744071683831	35.1057671532186	3530.488974511832	35.300558567858873	80.08784302505474	80.1868174619834
44	263	193924	-342561.1413	965317.3170250766	35.91995481675069	-102.0130623	240989.3101043387	4738781.152362157	3832.0225956222	35.09924459917206	3529.2277137170056	35.242250681138	79.99874527471575	79.19419831058249
45	263	193925	-341901.1413	965317.3170250766	35.91997823855009	-102.0107443	241190.4158628497	4738780.995931077	3828.0271125214894	35.08270777684804	3528.529781812367	35.20071081324252	79.98808117	
46	263	193926	-341241.1413	965317.3170250766	35.92000161518901	-102.0084062	241391.5183696812	4738780.86571165	3824.139505041166	35.0651069747858	3526.701619380899	3527.28765186929	79.8954053976829	79.2304616092919
47	263	193927	-340581.1413	965317.3170250766	35.9200294466559	-102.0060682	241592.6260150382	4738780.73250413	3822.2446546547123	35.05022681859536	3525.239865174612	35.25299653407466	79.2304616092919	79.2304616092919
48	263	193928	-339921.1413	965317.3170250766	35.92004823298042	-102.0037302	241793.7220772243	4738786.605940817	3821.444334305902	35.03897869215826	3523.445347778394	35.234453422024136	79.404862414	79.54033471916005
49	263	193929	-339261.1413	965317.3170250766	35.92007174713342	-102.0013922	241994.824	4738784.47837836	3820.5648517449916	35.021392718000813	3522.6695275581817	35.217920189000813	79.895199999991628	79.895199999991628
50	263	193930	-338601.1413	965317.3170250766	35.92009467012453	-101.9990422	242195.9258246107	4738790.347033054	3819.844916934177	35.0123951984219	3519.35039622221	35.2126198149257	81.8891328199696	79.973002727343
51	263	193931	-337941.1413	965317.3170250766	35.92011720965376	-101.9967162	242397.0270506217	4738782.217004876	3819.70542555556	35.0091938395888	3517.093677732093	35.191558240919529	82.7827180866783	80.5814484830663
52	263	193932	-337281.1413	965317.3170250766	35.9201400921025	-101.9943781	242598.12802138674	4738780.939823476	3820.22603291347	35.0085900215347	35.18486704346474	35.1730018	83.7287179066952	80.69531974323673
53	263	193933	-336621.1413	965317.3170250766	35.92016388712629	-101.9920401	242799.22873731237	4738777.96	3820.7466813044434	35.00727915274613	35.152568444735163	35.1612651208493094	81.94740988896	81.01167072310591
54	263	193934	-335961.1413	965317.3170250766	35.92018704246905	-101.9897701	243000.3291960346	4738773.81232066	3820.72736935384	35.00549028047673	35.10188886641035	35.14754414066374	81.2511642123258	
55	263	193935	-335301.1413	965317.3170250766	35.920209972650626	-101.9873641	243201.4290456461	4738770.70363346	3819.1934078277767	35.00282056731556	35.093406438	35.0902260731556	81.5774959834898	
56	263	193936	-334641.1413	965317.3170250766	35.9202328976566	-101.985026	243402.52955810672	4738765.76	3815.41750467117	35.032403454421	35.0517691296366	35.21348508918898	87.9454310265643	80.9735524654144
57	263	193937	-333981.1413	965317.3170250766	35.92025681082115	-101.98268	243603.629576151	4738762.405671918	3814.421336647	35.0249136647	35.048165002483	35.048165002483	82.2331926819473	
58	263	193938	-333321.1413	965317.3170250766	35.92027851222107	-101.98035	243804.72805154576	4738757.320905751	3805.170350497587	35.0167154803812	35.001613358555217	35.11838420295917	90.0002121879011	90.0002121879011
59	263	193939	-332661.1413	965317.3170250766	35.9203014	-101.9780119	244005.8276927567	4738753.19269581	3802.8367812236934	35.0093749849547	34.9813455221433	35.1210098	90.962248118455	77.24685002
60	263	193940	-332001.1413	965317.3170250766	35.92032446112345	-101.9756739	244206.9263056942	4738749.065521082	3802.848494124552	35.0079968675097	34.96032996884037	35.104462762600764	91.9638969	73.9506140150249
61	263	193941	-331341.1413	965317.3170250766	35.92034885311126	-101.973359	244408.02531519014	4738743.9368343	3802.8582155919476	35.00648567777765	34.941528498071432	35.1033839102301	91.3347285754544	
62	263	193942	-330681.1413	965317.3170250766	35.92036949376415	-101.970978	244609.1231462474	4738740.811823605	3802.867327714394	35.0052994692619	34.9254664409614	35.1113927622197	93.23820328300512	73.97327191739897
63	263	193943	-330021.1413	965317.3170250766	35.920390158873276	-101.968658	244810.1231629855	4738736.685300524	3802.773635739157	35.003296444041	34.909487071289	35.016952575881817	94.33025160386182	
64	263	193944	-329361.1413	965317.3170250766	35.92041467179763	-101.966327	245014.7125919612	4738732.45899443	3802.684943124552	35.001765316111	34.89213284949526	35.013387770141	90.1971786558968	
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66	263	193946	-328041.1413	965317.3170250766	35.920460363276	-101.9616457	245413.5148476272	4738720.30703345	3802.1787012709359	35.0003295848756	34.87846098038733	35.0027668082069	96.114420781297258	
67	263	193947	-327381.1413	965317.3170250766	35.92048209216542	-101.9593076	245614.61211742013	4738720.181378333	3801.1247018302615	35.00037808580257	34.872020823303227	34.734947145496657	96.3769575170307	104.4480663083001
68	263	193948	-326721.1413	965317.3170250766	35.9205044725344	-101.956996	245815.709	4738716.05996337	37.9912510362875	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
69	263	193949	-326061.1413	965317.3170250766	35.92052681314275	-101.9546318	246016.8050195922	4738711.30791344	37.99305247871934	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
70	263	193950	-325401.1413	965317.3170250766	35.920549105873276	-101.9523298	246217.9021113267	4738707.40517351	37.9853941366477	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
71	263	193951	-324741.1413	965317.3170250766	35.9205713534913	-101.9499564	246418.9828176104	4738703.68082352	37.97935621479084	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
72	263	193952	-324081.1413	965317.3170250766	35.9205935588809	-101.9476174	246620.9041942713	4738699.55635336	37.96404594919622	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
73	263	193953	-323421.1413	965317.3170250766	35.92061571314421	-101.9452793	246821.188956585	4738695.42005301	37.9574439519533	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
74	263	193954	-322761.1413	965317.3170250766	35.92063782548365	-101.9429413	247022.285368439	4738691.30786172	37.94923895333817	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
75	263	193955	-322101.1413	965317.3170250766	35.92065982178564	-101.9406032	247223.3803057078	4738687.13984077	37.9428328298018	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
76	263	193956	-321441.1413	965317.3170250766	35.9206819394578	-101.9382652	247424.4745152182	4738683.060245929	37.93558927895293	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
77	263	193957	-320781.1413	965317.3170250766	35.92070407196107	-101.9359389	247625.6451496962	4738678.730194728	37.9283973984548	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
78	263	193958	-320121.1413	965317.3170250766	35.920725819107	-101.933589	247826.6651496962	4738674.13492479	37.92163732380553	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
79	263	193959	-319461.1413	965317.3170250766	35.9207478269033	-101.931251	248027.7586736118	4738670.690441159	37.91648440881074	35.000313092514	34.791963004501854	35.00112858935485	105.2845068087001	
80	263	193960	-318801.1413	965317.3170250766	35.9207695493387	-101.9289129	248228.8550947634	4738666.758	37.91226463	35.000313092514				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtBothsKrg.ft	SatHtBoth.ft	
161	263	194041	-265341.1413	9653137.3170250766	39.522388869141835	-101.7395254	2645.16	65062860841	478333.337777988	3629.6425524406163	3453.859036195154	3323.008457101547	3337.3585721427226	116.5004048499948	116.5004048499948
162	263	194042	-264681.1413	9653137.3170250766	39.52240662642436	-101.7371873	2647.17	7270000004	478329.32707275	3630.042896786769	3452.331207021477	3321.168148	3337.124861	116.4036426623379	116.4036426623379
163	263	194043	-264021.1413	9653137.3170250766	39.52242491517672	-101.7348491	2648.18	7988411325	478332.12785899	3631.012944923847	3451.2146948939426	3319.542624870141875	3312.3624870141875	115.8522978485897	115.8522978485897
164	263	194044	-263361.1413	9653137.3170250766	39.52244966444446	-101.7325109	2651.11	71950022914	478333.023124427	3632.555270903552	3449.907133809587	3317.5142043197	3322.3403168355636	112.1191956276176	112.1191956276176
165	263	194045	-262701.1413	9653137.3170250766	39.5224698584608	-101.7301728	2653.20	6461275524	478331.81879374	3634.0632868169645	3448.606878169645	3315.8271075453504	3339.433348	132.77797062429454	132.77797062429454
166	263	194046	-262041.1413	9653137.3170250766	39.52247892548111	-101.7278346	2655.22	0193730374	478332.915856731	3634.191028645144	3447.312919330373	3314.197265064699	3339.359834316755	107.9529841013973	107.9529841013973
167	263	194047	-261381.1413	9653137.3170250766	39.522496837249555	-101.7254964	2657.23	0923877099	478330.710988487	3635.724505913983	3446.0243178309065	3312.4958961950057	3337.312174795375	108.71253999212471	108.71253999212471
168	263	194048	-260721.1413	9653137.3170250766	39.52251470385164	-101.7231582	2659.24	16517095175	478330.605682633	3634.3700461566887	3444.724119606697	3310.25387892675	3338.61452950438	116.4882406140223	116.4882406140223
169	263	194049	-260061.1413	9653137.3170250766	39.522532525287104	-101.7208001	2661.25	227722476	478330.032699563	3633.0515884573447	3443.465026838745	3308.197216945208	3334.25025889816	135.2674978612965	135.2674978612965
170	263	194050	-259401.1413	9653137.3170250766	39.52255031555995	-101.7184819	2663.26	100440002	478296.39982774	3631.6611265502564	3442.193524212007	3305.25373	3329.0117683202	113.181859058058	113.181859058058
171	263	194051	-258741.1413	9653137.3170250766	39.522568032582325	-101.7161437	2665.27	38213561766	478292.296804749	3628.39181385954	3440.392139081327	3303.960773405057	3325.466810214217	116.9638355473504	116.9638355473504
172	263	194052	-258081.1413	9653137.3170250766	39.52258571859381	-101.7138055	2667.24	453996503	478298.193896978	3623.20776038069	3439.6279884719907	3301.8104773999485	3321.589199431604	137.8625117020425	118.0837890426418
173	263	194053	-257421.1413	9653137.3170250766	39.5226033936269	-101.7114674	2669.29	5256270686	478284.0981	3618.0253234018	3329.5791946214017	3317.48353654684	3318.486297126164	120.9419287643949	120.9419287643949
174	263	194054	-256761.1413	9653137.3170250766	39.52262094964864	-101.7091292	2671.30	59770717297	478279.988730223	3612.839577442294	3437.18668586263	3297.394308092723	3313.39645626633	139.792260746117	123.7901323022173
175	263	194055	-256101.1413	9653137.3170250766	39.52263895540026	-101.706791	2673.31	6681984535	478275.88841272	3608.373681574275	3435.96603709117	3295.099705411277	3309.4504760396	140.8506695504312	140.8506695504312
176	263	194056	-255441.1413	9653137.3170250766	39.52265611668875	-101.7044828	2675.32	739140096	478271.78442814	3604.625975734026	3434.73301354758	3292.6329899271547	3306.160078704246	141.000601276032	129.57313474333
177	263	194057	-254781.1413	9653137.3170250766	39.52267437077068	-101.7021148	2677.33	808952189	478267.68201855	3600.878720109224	3433.519446294204	3290.535828483544	3302.372090430327	142.9836174488496	131.6376001061727
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179	263	194059	-253461.1413	9653137.3170250766	39.5227085525473624	-101.6974383	2681.35	9505886345	478259.47959737	3593.4555258199	3431.124666042198	3285.86275833136	3295.0957713136254	145.2619008090622	136.028895105727
180	263	194060	-252801.1413	9653137.3170250766	39.52272558007475	-101.6951001	2683.37	1024618197	478257.93419449	3587.99234104123	3429.9420873249605	3283.677696081594	3291.327312	146.26529124480112	136.815675300004
181	263	194061	-252141.1413	9653137.3170250766	39.52274285980874	-101.6927619	2685.39	10940117991	478253.7271	3583.15034939425	3428.76972274148	3281.475002976277	3287.1790789076	147.29471978519017	136.815675300004
182	263	194062	-251481.1413	9653137.3170250766	39.52276009	-101.6904237	2687.39	1159805005	478249.177	3578.30719789538	3427.107250510275	3279.107349949044	3284.054539181314	148.4953019194446	143.5493707288396
183	263	194063	-250821.1413	9653137.3170250766	39.522777325287104	-101.6880955	2689.40	125148794	478245.178182794	3573.0281251358784	3425.4359645362713	3276.19183548296	3281.19183548296	156.47578158788137	156.47578158788137
184	263	194064	-250161.1413	9653137.3170250766	39.522794448092006	-101.6857473	2691.41	294333053	478238.397596901	3566.01295832586	3425.281628248213	3274.931163509893	3276.05960376519	150.3506531972255	147.2122657189394
185	263	194065	-249501.1413	9653137.3170250766	39.52281152555718	-101.6834091	2693.42	36731906317	478235.031906317	3559.43045543066	3424.12585875444	3272.615851817757	3275.8154505427819	151.5097309576887	147.2122657189394
186	263	194066	-248841.1413	9653137.3170250766	39.52282857917402	-101.6810709	2695.43	439767349	478230.75891702	3552.847973	3422.9705242143523	3270.3343732613803	3272.97476665367	152.6365151	149.9592754896463
187	263	194067	-248181.1413	9653137.3170250766	39.52284587805694	-101.6787327	2697.44	50404718594	478226.676226881	3547.688932849333	3421.81548002722	3268.319145699567	3269.727888812274	153.468223031551	152.0578471214963
188	263	194068	-247521.1413	9653137.3170250766	39.522862550870194	-101.6763945	2699.45	575105889	478222.57678405	3543.953517537634	3420.601228441173	3266.153126863137	3266.650383194649	154.5009991588035	154.009486494827
189	263	194069	-246861.1413	9653137.3170250766	39.52287984698748	-101.6740685	2701.46	64967486	478218.477545965	3540.154498127844	3419.510498127844	3264.052864678844	3264.052864678844	155.47578158788137	155.47578158788137
190	263	194070	-246201.1413	9653137.3170250766	39.52289631897489	-101.6717181	2703.47	70353711134	478214.52560441134	3538.42560441134	3418.3610219010723	3262.2430899941	3263.298178106423	156.1281200411215	156.1281200411215
191	263	194071	-245541.1413	9653137.3170250766	39.522913116966019	-101.6693799	2705.48	7786064184	478210.279794262	3535.1772546477	3417.22287	3260.44084978845	3258.96897094099	157.785025356505	157.785025356505
192	263	194072	-244881.1413	9653137.3170250766	39.52292995	-101.6670417	2707.49	84351796033	478206.18145386	3536.382107607713	3416.0943968542197	3258.94472122327	3255.7994949404	158.1480274318953	160.2950342081302
193	263	194073	-244221.1413	9653137.3170250766	39.52294686983654	-101.6647035	2709.50	910292272	478202.08277416	3532.4696055595	3414.9630827751116	3257.7207249630774	3254.331794812684	159.2423578120348	160.64051078938512
194	263	194074	-243561.1413	9653137.3170250766	39.5229633194432	-101.6623653	2711.51	9770747832	478197.94826531	3528.551503096854	3413.8337442275516	3256.704590552427	3254.63193097906	159.1705538297556	159.1705538297556
195	263	194075	-242901.1413	9653137.3170250766	39.52298002905756	-101.6600271	2713.53	1043649934	478193.08869761	3528.354028723554	3412.704389591957	3255.967170714085	3254.21408089884	159.7368735122832	158.4921708891573
196	263	194076	-242241.1413	9653137.3170250766	39.52299739959337	-101.6576788	2715.54	110092525	478189.789978663	3528.78157173447	3411.5714832424	3254.4359645362713	3254.4359645362713	159.1381989715276	159.1381989715276
197	263	194077	-241581.1413	9653137.3170250766	39.52301318771278	-101.6553507	2717.56	126585516	478185.691	3528.34075690064	3410.441359763343	3255.1990470770617	3257.1710528170115	159.2423127255624	159.2423127255624
198	263	194078	-240921.1413	9653137.3170250766	39.5230297	-101.6530125	2719.56	142202373	478181.594	3523.77199971418	3409.304656382867	3255.055396925274	3254.0654799	159.450195960233	143.8196658685865
199	263	194079	-240261.1413	9653137.3170250766	39.52304616573574	-101.6506743	2721.57	159252326	478177.497103797	3523.306804502886	3408.1580868213982	3254.6146040917126	3256.18383522012	154.542433296856	134.2203223993642
200	263	194080	-239601.1413	9653137.3170250766	39.523062586991436	-101.6483361	2723.58	1734175605	478173.4	3522.88637928467	3407.00378118565	3253.5442484949056	3252.7745012594996	154.6413581736594	134.2490840950639
201	263	194081	-238941.1413	9653137.3170250766	39.52307983079534	-101.6459397	2725.59	14388823105	478169.30812571	3521.8337442275516	3405.807393053814	3251.990931678432	3258.15469781034	153.8489033709534	137.6980327249436
202	263	194082	-238281.1413	9653137.3170250766	39.5230965204008	-101.6436596	2727.60	1603594937	478165.10717814	3520.545528476296	3404.694891888164	3250.31263213589	3253.455431090903	154.3566687122832	141.2140068795262
203	263	194083	-237621.1413	9653137.3170250766	39.5231139797686	-101.6413268	2729.61	178978963	478161.978745466	3519.810737845466	3403.5819737845466	3249.1819737845466	3252.349174368784	154.48047327984	141.2140068795262
204															

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatHtElevLog.ft	SatHtBoth.ft
287	263	194167	-18281.1413	9653137.3170250766	39.52431833139816	-101.4449081	298650.2354254351	47377817.800021255	3434.2601987454327	3362.286062957412	3163.129247951225	3161.58576846066	311581500618712	100.70027655080594
288	263	194168	-181521.1413	9653137.3170250766	39.524307777779968	-101.4425698	290051.2826042707	4737813.72146862	3436.767556672436	3260.63248723974	3159.3749599267043	3158.5224907306395	3112440857972387	102.101136993433063
289	263	194169	-180861.1413	9653137.3170250766	39.524345317902484	-101.4402518	290525.32689781774	4737890.644489868	3435.1125899345	3259.878710922447	3158.1937151278915	3155.1977000313896	3110548514861625324	103.7790740680516
290	263	194170	-180201.1413	9653137.3170250766	39.52435553050813	-101.4378932	291455.458487263	4737850.567048321	3435.26505106435	3257.304370344156	3155.2751875923304	310.0840783736786	310.0840783736786	104.61538275181283
291	263	194171	-179541.1413	9653137.3170250766	39.5243768745856222	-101.4355549	290654.2404603636	47377801.489821974	3438.4940749227335	3257.9717464604382	3150.7881071534225	310.7066696324932	310.92835781151573	105.0107323424501
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308	263	194188	-168321.1413	9653137.3170250766	39.5245702195555	-101.3958038	294072.1698134428	4737732.208917928	3405.7005613659	3230.066522692027	3128.37506503318	3132.1753232920746	100.6787692270261	97.8842919639414
309	263	194189	-167661.1413	9653137.3170250766	39.524581729545814	-101.3934712	294286.743022551	4737725.20258357	3403.81967970738	3229.631225624328	3128.37506503318	3132.1753232920746	100.6787692270261	97.8842919639414
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SatHLogKrg.ft	SatHBoth.ft
413	263	194293	-990221.14133	965317.3170250766	39.52553086525052	-101.150278	315180.5426410878	47377305.6816513509	3262.4627084258536	3004.1715485515206	3066.928510636656	3008.471016	72.420379146654	85.70053207
414	263	194294	-98361.14133	965317.3170250766	39.52553711061125	-101.147396	315381.5643655319	4777301.63081482	3259.033464876586	3002.568581	3003.8523456349257	3005.5329606542087	78.7333464349287	87.05362034794052
415	263	194295	-87701.14133	965317.3170250766	39.5255432069768	-101.146631	315682.6895659692	477277.5802359128	3265.1800941370457	3001.214885176	3004.7030731502963	3002.4025987175993	80.3034731502963	85.95116883
416	263	194296	-9041.14133	965317.3170250766	39.52555098516853	-101.143299	315783.608357634	477259.95968418	3250.9266562072603	3009.45849359982	3007.5040248292817	2998.5620810832512	91.8445343070037	90.8664852746979
417	263	194297	-96381.14133	965317.3170250766	39.52555760446199	-101.1409245	315884.630169785	477289.479170178	3246.66018277467	3007.8928732061127	2994.473375116216	2995.3043864216825	93.4194860889648	92.5884687443019
418	263	194298	-95721.14133	965317.3170250766	39.52556178583025	-101.1385861	316185.6516213345	477242.3912740284	3242.3953783476733	3006.336421	2992.474839311908	2993.07514	93.8615816800205	93.27870132759993
419	263	194299	-95601.14133	965317.3170250766	39.525570753167	-101.1362477	316386.6728952253	4772781.38004729	3238.912839244885	3004.7315659486	2992.271502	2993.2104462327525	92.50281357338599	91.5638463736362
420	263	194300	-94041.14133	965317.3170250766	39.52557719130791	-101.133994	316587.6938682077	4772377.30333505	3238.217392319743	3003.20362303551	2992.151711958741	2993.1440241293785	91.0519034471351	90.05598981
421	263	194301	-83741.14133	965317.3170250766	39.52558329911864	-101.131571	316788.7148031253	477272.581296102	3238.5219466311367	3001.2297020157	2991.760072473436	2992.6621446558	90.8696645249895	85.961681
422	263	194302	-83081.14133	965317.3170250766	39.52559002334302	-101.129238	316899.753872895	477229.22154011	3227.826504504815	3000.074400413827	2991.216369518496	2991.51154560575	88.81103995045	88.4158954746335
423	263	194303	-80221.14133	965317.3170250766	39.52559637160189	-101.1268943	317190.7561956744	477265.18285725	3227.886725413046	3004.718695941733	2990.597591851741	2989.640584955546	87.821100898818	87.584630818684
424	263	194304	-91761.14133	965317.3170250766	39.52560267468294	-101.1245558	317391.7765741374	4772751.134631737	3238.723633210634	3006.792277650265	2989.90532226048	2987.195432	86.8917453897828	89.596455249627
425	263	194305	-91101.14133	965317.3170250766	39.52560893202225	-101.1222175	317592.7967743292	4772751.068	3238.5685321823374	3005.74832403264	2989.1706827305925	2985.619783221891	85.9771468997152	89.5280491984731
426	263	194306	-90441.14133	965317.3170250766	39.5256115434363	-101.1198791	317793.8168	4772723.07966619	3240.404441135611	3003.48993038627	2988.1980439174004	2989.4885327131177	85.2908911126655	82.570370739025
427	263	194307	-89791.14133	965317.3170250766	39.52562131291255	-101.1175408	317984.83664072864	477245.339999474	3238.653512552545	3001.817639	2987.1126793174885	2986.71289459718	84.70496011393152	85.04634987171843
428	263	194308	-89121.14133	965317.3170250766	39.52562745333083	-101.1152024	318195.85630734096	477244.924158192	3233.751151060204	3000.134941	2986.066520202786	2984.38425179839	84.0841861528119	85.7508883720178
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431	263	194311	-87141.14133	965317.3170250766	39.52564531462864	-101.1081873	318798.9142433461	477272.80005351	3221.4106423808	3005.052414454381	2982.180068	2980.0272887661934	82.62073679831136	85.02512569
432	263	194312	-86481.14133	965317.3170250766	39.5256514731669592	-101.1058489	318999.932014132	477272.33113344	3220.306299	3003.354794365997	2980.73476988155	2979.281761069123	82.620757844493	84.0734137
433	263	194313	-85821.14133	965317.3170250766	39.52565736970268	-101.103105	319200.9518285533	477224.70638761	3218.019183215253	3001.6613602413754	2979.21044629256	2978.085895584925	82.476913946297	83.57546465294081
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435	263	194315	-84501.14133	965317.3170250766	39.5256691725213	-101.098433	319602.691686904	477218.631293713	3209.455014611863	3000.55961029896	2976.95160139543	2976.01081779594	81.7617444624043	82.47144624043
436	263	194316	-83841.14133	965317.3170250766	39.5256747826794	-101.09454	319804.070269454	477212.56749088	3207.0479605539	3005.636672784875	2974.256212341592	2974.115134734536	82.40765494	82.54773590338
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438	263	194318	-82521.14133	965317.3170250766	39.52568617478168	-101.091816	320206.043279058	477200.45752505	3204.72907481161	3003.43145469277	2971.04274864474	2971.4373830806164	82.3983950219388	81.9743546631129
439	263	194319	-81861.14133	965317.3170250766	39.52569180027958	-101.0894802	320407.0609739231	477200.45031984	3203.840964388126	3001.857811688496	2969.725570558723	2968.1232113262368	81.71494303	81.71494303
440	263	194320	-81201.14133	965317.3170250766	39.52569730080486	-101.0871418	320608.07854275566	477196.3853053	3202.705992036818	3001.361709081624	2968.375741461895	2968.805605918167	81.33913494	81.511046245713
441	263	194321	-80541.14133	965317.3170250766	39.52570292	-101.084833	320809.6986989094	477192.340294335	3200.455014611863	3000.55961029896	2968.958436887224	2968.1172741457836	81.172741457836	81.0519034471351
442	263	194322	-79881.14133	965317.3170250766	39.5257055737326	-101.0824651	321010.113101692	477191.25	3200.47841941183	3004.735392648305	2968.558410531096	2967.537537996706	81.0768782	81.2096247172189
443	263	194323	-79211.14133	965317.3170250766	39.525713850544534	-101.0801267	321211.1301282033	477184.250911483	3200.946623304048	3004.9175946437263	2964.1757789417	2964.606463243476	81.1719818530932	81.31131231
444	263	194324	-78561.14133	965317.3170250766	39.52571925017906	-101.0777883	321412.1468903526	477180.207	3200.00617	3004.522518775963	2962.709655241785	2963.078380393962	81.1259663541778	81.4433138282008
445	263	194325	-77901.14133	965317.3170250766	39.525724064087	-101.0754499	321631.1636858305	477176.162	3208.054925184614	3004.1542260331496	2961.7192966738	2958.853903204725	81.8822906641173	84.3002613306773
446	263	194326	-77241.14133	965317.3170250766	39.52572913932997	-101.0731116	321814.1801623949	477171.11844528	3207.108567111954	3001.8086927387744	2959.709723017797	2957.17916246197	81.7916246197	84.6293027257574
447	263	194327	-76581.14133	965317.3170250766	39.52573517804652	-101.070732	322015.1946629948	477168.075	3204.57538184135	3000.4812740146394	2958.0653125342717	2956.767765352077	81.415961747977	83.725086623797
448	263	194328	-75921.14133	965317.3170250766	39.5257403699774	-101.068434	322216.2126494361	477164.03120773	3203.455014611863	3000.55961029896	2958.95867987947	2954.30573798182	81.4061104946556	84.6157144624043
449	263	194329	-75261.14133	965317.3170250766	39.52574550716881	-101.066094	322417.2286328823	477159.987904337	3203.864025169591	3004.6324273682	2954.63198	2953.21637	81.33913494	84.6505071472181
450	263	194330	-74601.14133	965317.3170250766	39.52575009358944	-101.063758	322618.244431806	477155.944819385	3192.214338373194	3003.5674955184	2952.833861134627	2951.380323131225	81.3700884171891	85.320423369356
451	263	194331	-73941.14133	965317.3170250766	39.52575578278429	-101.0614196	322819.2608056573	477151.9018438	3187.6720879674	3003.57749052017	2950.57317610677	2949.84536319864	84.69264179182483	85.320423369356
452	263	194332	-73281.14133	965317.3170250766	39.5257608103685	-101.0590813	323020.275452165	477147.8591292	3187.704911468887	3003.3673956177	2948.45462867137	2948.823670665491	81.3511088481407	85.1406889068596
453	263	194333	-72621.14133	965317.3170250766	39.525768141166	-101.0567429	323221.2908373651	477143.816848395	3187.748691673967	3003.326684324837	2948.76813737513	2946.3875844897197	85.8827796053278	85.729637933278
454	263	194334	-71961.14133	965317.3170250766	39.5257702323905	-101.0544405	323422.3059572079	477139.71649143	3187.784017481164	3001.3672985114	2944.435756914024	2945.35296164083	86.0134433472932	86.0134433472932
455	263	194335	-71301.14133	965317.3170250766	39.5257754039774	-101.052163	323623.316947774	477135.63120773	3187.784017481164	3001.3672985114	2944.435756914024	2945.35296164083	86.0134433472932	86.0134433472932
456	263	194336	-70641.14133	965317.3170250766	39.5257805231113	-101.049727	323824.3356807996	477131.69003737	3185.300578071115	3002.7487578522	2943.725309431504	2941.638943996186	86.019645310604	87.11601389
457	263	194337	-69981.14133	965317.3170250766	39.52578533470735	-101.0473893	324025.3502845896	477127.6492169285	3181.980530780662	3002.479182612985	2938.10697402645	2941.756673406336	86.01344334729	

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHtLog.f	SatHtBoth.f
53	263	194419	-15981.14133	965317.3170250766	39.52602622672648	-00.8556409	400597.983607084	4376796.96622138	4302.4299657857846	2844.0936107551915	2849.1223747639137	58.01804784326497	53.58218335452775
540	263	194420	-15201.14133	965317.3170250766	39.52602729	-00.8553205	401760.9844341141	4376792.942770084	3035.985381708959	2941.0013260768925	2841.747585709221	58.0537403676162	53.6357602098426
541	263	194421	-14541.14133	965317.3170250766	39.52603979390345	-00.8568641	402567.983607084	4376788.919131349	3028.5487632226	2890.00056179860991	2846.80179860991	58.1261933029652	53.6867676984828
542	263	194422	-13881.14133	965317.3170250766	39.5260298026639	-00.8486257	41110.986109612	4376784.896	2908.108213555417	2898.77179343242	2846.37160729922	60.0140536548336	52.40022607701234
543	263	194423	-13221.14133	965317.3170250766	39.5260230776641	-00.8462673	41131.9867179551	4376780.872439785	3026.6711614809456	2897.4466201721807	2834.729731572665	58.04541747437411	51.53186539870215
544	263	194424	-12561.14133	965317.3170250766	39.5260310090931	-00.8439489	41512.9871272454	4376786.84940491	3025.237641409717	2896.11674387989	2832.740537006754	58.2816371191423	50.1999861008086
545	263	194425	-11901.14133	965317.3170250766	39.52603192746954	-00.8416105	41713.9875728592	4376772.827	3023.804121238772	2894.783121238772	2831.08817	58.28461310243998	46.69495134
546	263	194426	-11241.14133	965317.3170250766	39.526032719227025	-00.8392721	41914.9877201617	4376780.84135096	3022.370601264483	2894.4794759306	2828.1073714770305	58.4089747674607	46.3405781165745
547	263	194427	-10581.14133	965317.3170250766	39.52603347	-00.8369637	42121.98759174	4376788.919131349	3028.5487632226	2890.00056179860991	2846.80179860991	58.2816371191423	46.75954602297336
548	263	194428	-9921.14133	965317.3170250766	39.5260341676727	-00.8345953	42323.98759174	4376780.84135096	3027.103369274534	2890.75820595793	2824.294789	58.284788013119454	46.9103116
549	263	194429	-9261.14133	965317.3170250766	39.52603482412741	-00.8322559	42517.987237804	4376756.73769761	3041.0797857135	2889.46538274435	2820.9023171558569	58.6450623536643	41.235649728874705
550	263	194430	-8601.14133	965317.3170250766	39.52603543541425	-00.8299185	42718.9867795739	4376752.51987474	3050.10409166254	2885.184829782114	2817.2033902110566	58.70509277615048	40.03022483494124
551	263	194431	-7941.14133	965317.3170250766	39.526036	-00.8275801	42919.98616300453	4376748.61942018	3059.222091030533	2886.8637440668226	2813.5631989912135	58.84510670569808	38.351529056758895
552	263	194432	-7281.14133	965317.3170250766	39.52603652246797	-00.8252417	43120.9853942768	4376744.617319577	3060.5962228317	2885.581485341768104	2810.0206751141704	58.7609012275675	36.6983072303419
553	263	194433	-6621.14133	965317.3170250766	39.526036996234885	-00.8229033	43321.9847423967	4376740.852	3070.974153	2880.3041642219661	2807.43513700688	58.64760601625479	36.950412851897311
554	263	194434	-5961.14133	965317.3170250766	39.52603742828424	-00.8205469	43522.98304117093	4376736.63123526	3078.34968309348	2882.3454138106294	2805.26990006201	58.84303918779029	39.54150031600314
555	263	194435	-5301.14133	965317.3170250766	39.526037814248674	-00.8182265	43732.9812772012	4376732.61808298	3077.1064112098474	2881.325427117764	2804.1183061747042	58.839050976684834	42.32034754128071
556	263	194436	-4641.14133	965317.3170250766	39.52603815	-00.8158881	43924.9800818976	4376728.59140254	3077.2443367168673	2879.6089305523114	2803.59413823627	58.770216594305966	41.31386181472453
557	263	194437	-3981.14133	965317.3170250766	39.52603849569214	-00.8135497	44125.9782574636	4376724.57	3077.3822623449678	2877.8937616214835	2803.48184298621	58.7312798563760443	41.1918622624071
558	263	194438	-3321.14133	965317.3170250766	39.52603869494974	-00.8112113	44342.981759510404	4376720.54989991	3077.5021876996644	2876.1947552459796	2804.3901012751808	58.70405920964127	41.04653905405246
559	263	194439	-2661.14133	965317.3170250766	39.52603890415605	-00.8088729	44527.975758	4376716.53091199	3077.74201940109	2874.51005056394	2803.8281266416436	58.72920734794383	40.23438409
560	263	194440	-2001.14133	965317.3170250766	39.5260393575008	-00.8063545	44727.98738	4376712.51051715	3078.1442045295908	2872.5850495114	2806.29707810325	58.7627679429603	40.6509718619585
561	263	194441	-1341.14133	965317.3170250766	39.5260395713004	-00.8040681	44928.97816753475	4376708.491173529	3078.19292211422	2851.1919224118731	2807.43513700688	58.7627679429603	41.1258293301113
562	263	194442	-681.14133	965317.3170250766	39.5260394737339	-00.8018577	45130.936935332	4376704.74197418	3078.405488995454	2869.608995135902	2808.3301524701025	58.7282240520115	41.689423388759
563	263	194443	21.14132693	965317.3170250766	39.52603927137105	-00.7995193	45353.968543196	4376702.41576424	3077.286704808566	2891.073588920715	2809.1226549031474	58.284788013119454	46.8265714349589
564	263	194444	638.858673073514	965317.3170250766	39.52603925023139	-00.7971809	45532.9643760422	4376694.43293566	3003.72100510935	2866.47136703287	2809.04011741416	58.41992436803504	46.9478903298159
565	263	194445	1298.858673073514	965317.3170250766	39.52603918391843	-00.7948425	45733.9616479664	4376692.451771809	3000.185301835526	2868.77029632776	2818.362932833096	58.5610260277684	46.5350905024039
566	263	194446	1958.858673073514	965317.3170250766	39.52603907243212	-00.7925041	45934.98577060394	4376688.397	2998.58995805373	2863.36815745066	2808.058425296006	58.530991381526519	46.8440484267742
567	263	194447	2618.858673073514	965317.3170250766	39.5260389197248	-00.7900767	46135.9557441778	4376684.91173529	2998.1856606094583	2860.088730662138	2807.0886730662138	58.530991381526519	46.8440484267742
568	263	194448	3288.858673073514	965317.3170250766	39.5260388197248	-00.7877682	46336.9557441778	4376684.91173529	2998.1856606094583	2860.088730662138	2807.0886730662138	58.530991381526519	46.8440484267742
569	263	194449	3938.858673073514	965317.3170250766	39.526038693332	-00.7854849	46537.94502449105	4376676.343156815	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
570	263	194450	4598.858673073514	965317.3170250766	39.52603817473666	-00.7831505	46738.94502449105	4376672.32639331	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
571	263	194451	5258.858673073514	965317.3170250766	39.52603783470073	-00.7808121	46939.94502449105	4376668.3901160385	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
572	263	194452	5918.858673073514	965317.3170250766	39.52603734584752	-00.7784737	47140.93838007874	4376664.29028579	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
573	263	194453	6578.858673073514	965317.3170250766	39.52603702717485	-00.7761353	47341.93446551195	4376660.275	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
574	263	194454	7238.858673073514	965317.3170250766	39.52603654302095	-00.773789	47542.9340423213	4376656.259646416	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
575	263	194455	7898.858673073514	965317.3170250766	39.526036027588	-00.7714585	47743.9340423213	4376652.24	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
576	263	194456	8558.858673073514	965317.3170250766	39.52603547303638	-00.7691201	47944.92183183273	4376646.22605119	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
577	263	194457	9218.858673073514	965317.3170250766	39.52603484643656	-00.7667817	48145.9137255663	4376644.210212982	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
578	263	194458	9868.858673073514	965317.3170250766	39.52603421107744	-00.7644433	48346.9137255663	4376640.194377841	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
579	263	194459	10538.858673073514	965317.3170250766	39.5260335233795	-00.7621408	48547.907832677	4376636.17838881	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
580	263	194460	11198.858673073514	965317.3170250766	39.5260327	-00.7597765	48748.90292626	4376632.15312506	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
581	263	194461	11858.858673073514	965317.3170250766	39.52603195393211	-00.7574897	48949.90292626	4376628.15312506	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
582	263	194462	12518.858673073514	965317.3170250766	39.52603114507974	-00.7552007	49150.90292626	4376624.13490049	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
583	263	194463	13178.858673073514	965317.3170250766	39.52603036564704	-00.7527513	49351.8872174945	4376620.19	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
584	263	194464	13838.858673073514	965317.3170250766	39.52602934104103	-00.7504129	49552.8872174945	4376616.10433796	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
585	263	194465	14498.858673073514	965317.3170250766	39.526028732126174	-00.7480745	49753.876010913	4376612.09075978	2998.792765146828	2858.886360719026	2804.3145530381125	58.530991381526519	46.8440484267742
586	263	194466	15158.858673073514	965317.3170250766	39.52602735630912	-00.7457361							

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
663	194545	6728	85867307335	965317.3170250766	39.52580440772361	-100.5610028	365832.9694230776	4736291.638286941	2813.252393120744	2695.1441406494678	2625.8821359746016	2628.9685105495923	66.2600467486615	66.175300987543
666	194546	67958.85867307335	965317.3170250766	39.525799796520495	-100.5586644	366033.9526554891	4736287.641	2811.623643607191	2625.352650754622	2622.817112703891	2624.82286684202	67.07135237	66.89659823348411	
667	194547	6818.85867307335	965317.3170250766	39.5257612494446	-100.5663266	366234.9337645643	4736283.54441323	2809.119363901846	2691.923896156921	2618.326901123218	2618.326901123218	73.5309211369751	71.23267074	
668	194548	69058.85867307335	965317.3170250766	39.52579040579562	-100.5536977	366435.9179345106	473627.647794515	2805.725391144122	2690.35110375427	2616.2527006197347	2616.943763639025	70.08240975573744	73.391373369694	
669	194549	69388.85867307335	965317.3170250766	39.52578564147396	-100.5551493	366636.9015824072	473627.651388101	2802.734114956398	2688.761095998465	2617.270363104538	2613.844208219503	73.0924739392970	74.0206517651463	
670	194550	70098.85867307335	965317.3170250766	39.52578309179404	-100.5493109	366837.8840319545	473627.65119363	2806.198748536734	2611.3375561606545	2611.4123242737899	2611.4123242737899	75.86119260918893	75.7750611487413	
671	194551	71258.85867307335	965317.3170250766	39.52577597731207	-100.5469725	367038.8669387462	4736267.659211802	2797.1489640438424	2685.648333111982	2609.902476236953	2609.902476236953	75.74255668	75.6699114806197	
672	194552	71818.85867307335	965317.3170250766	39.52577107747189	-100.5446341	367239.84693814334	4736263.63441901	2796.956953202907	2684.1041007536764	2608.778370246097	2608.778370246097	75.7252006672	75.1383271032637	
673	194553	72578.85867307335	965317.3170250766	39.525766152456463	-100.5422957	367440.8317951496	4736259.8762168	2796.727693949704	2682.570016638374	2607.9411383	2608.0465131168014	74.82686375698413	74.82686375698413	
674	194554	72328.85867307335	965317.3170250766	39.52576114227063	-100.5396573	367641.8140050737	4736255.67253667	2796.59696227034	2681.04122431325	2607.233336399554	2607.233336399554	73.71459107103	73.7266333	
675	194555	73898.85867307335	965317.3170250766	39.52576106912034	-100.537619	367824.79608815373	4736251.677	2797.9020959	2679.524287847352	2606.527401402854	2606.527401402854	72.9074532906667	72.7185792966147	
676	194556	74558.85867307335	965317.3170250766	39.52575102630675	-100.5352806	368043.7804765606	4736247.682481763	2800.691905911091	2678.012094	2605.822161144966	2605.822161144966	72.19072427	72.10397839878167	
677	194557	75218.85867307335	965317.3170250766	39.52574900067653	-100.5329422	368244.7598474955	4736247.68772541	2803.489052998184	2676.504836372619	2604.996760570274	2604.961591	71.516780234505	71.94685405513897	
678	194558	75678.85867307335	965317.3170250766	39.5257407299964	-100.5306038	368445.74157616736	4736232.963725431	2806.269080626365	2675.012450476537	2603.949043823234	2603.48160667713961	71.53078908767398	71.53078908767398	
679	194559	76338.85867307335	965317.3170250766	39.52573551374996	-100.5282584	368648.7231557765	4736235.68999441	2804.439026263645	2673.526571339285	2602.5456421629118	2601.499490939288	70.96393917637375	70.02716224807172	
680	194560	77198.85867307335	965317.3170250766	39.52573025257566	-100.52597	368847.7046073204	4736231.704017493	2797.985135301092	2672.051842258174	2600.8523672422957	2600.7010942854654	71.19947502	71.3507479720963	
681	194561	77858.85867307335	965317.3170250766	39.5257244613245	-100.5235887	369048.6859338024	4736227.71056853	2791.538067966744	2670.589210257925	2598.743194921707	2598.6250177993592	71.8460153231435	71.9641922643272	
682	194562	78518.85867307335	965317.3170250766	39.5257195456463	-100.5212503	369249.26173430214	4736217.7407788	2788.1057005632404	2669.1395102426898	2596.4559892142283	2596.3706422976245	72.028310246092	72.7689549650414	
683	194563	79178.85867307335	965317.3170250766	39.52571419782409	-100.5189119	369450.64820972725	4736219.723971815	2782.82586891677	2667.703697	2594.255594313551	2594.1820761198194	73.44810255	73.3162060426582	
684	194564	79838.85867307335	965317.3170250766	39.5257135951083	-100.5165735	369651.62916011806	4736215.73074636	2784.753187592167	2666.2840125173366	2592.299256523458	2592.302748379824	73.84987573	73.6210641035423	
685	194565	80498.85867307335	965317.3170250766	39.5257032682488	-100.5142351	369852.6098956826	4736211.737393931	2786.680152525973	2664.881909190757	2590.287729474632	2590.287729474632	73.50491761	73.4619717612493	
686	194566	81158.85867307335	965317.3170250766	39.5256977565626	-100.5118968	370033.5906626534	4736207.744833364	2786.407775453027	2663.4959404083868	2587.987898643415	2588.09867815072	75.0804716	75.39726189331441	
687	194567	81818.85867307335	965317.3170250766	39.5256914182965	-100.5092521	370234.571326529	4736191.987941788	2783.970898021076	2662.578654540505	2586.422396721594	2586.422396721594	74.849170725044	74.849170725044	
688	194568	82478.85867307335	965317.3170250766	39.5256853653105	-100.50772	370455.517154652	4736195.796938304	2783.692574549393	2660.750935374031	2584.963612932358	2582.00032306265	73.8941759470545	73.7587174930467	
689	194569	83138.85867307335	965317.3170250766	39.5256808875444	-100.5048816	370656.5324037356	4736197.7863708	2783.773743603303	2659.40741610778	2578.5688129919808	2578.5688129919808	70.809608967003	70.809608967003	
690	194570	83798.85867307335	965317.3170250766	39.52567515580224	-100.5025432	370857.512248284	4736191.775851278	2775.85401057607	2657.057596792434	2575.24441019181	2575.6657072422395	82.3426157325287	82.40134955019446	
691	194571	84458.85867307335	965317.3170250766	39.525670369783394	-100.5002049	371058.4923219596	4736178.784110758	2771.915698530633	2656.7373412120787	2573.2610420450587	2573.2610420450587	84.420997165589	83.536030326448	
692	194572	85118.85867307335	965317.3170250766	39.5256639438893	-100.4983695	371259.4722672134	4736183.793	2767.95671689962	2655.402164153128	2570.948661659885	2570.870314987905	84.529796713961	84.54948916603235	
693	194573	85778.85867307335	965317.3170250766	39.52565714982196	-100.4965281	371460.45210106255	4736181.98160554	2765.914589168785	2654.164589168785	2569.40207727714	2569.40207727714	84.529796713961	84.529796713961	
694	194574	86438.85867307335	965317.3170250766	39.5256518922922	-100.4931897	371649.52544505	4736178.784110758	2763.290898021076	2653.290898021076	2568.92386142451	2568.92386142451	84.529796713961	84.529796713961	
695	194575	87098.85867307335	965317.3170250766	39.52564591346999	-100.4908514	371862.4114201446	4736171.81268407	2761.50468277826	2651.55468402882	2568.860502295383	2568.860502295383	84.529796713961	84.529796713961	
696	194576	87758.85867307335	965317.3170250766	39.52563992048519	-100.488513	372063.3908870345	4736179.8296705	2755.32627768216	2650.399745024682	2568.599274908973	2568.544170305095	81.69804701	81.74904846737345	
697	194577	88418.85867307335	965317.3170250766	39.52563390032785	-100.4861746	372264.3702306939	4736183.8118842	2753.15478625894	2649.406238545267	2568.0576218162655	2568.0576218162655	80.89861672900148	80.1626197175841	
698	194578	89078.85867307335	965317.3170250766	39.5256272595974	-100.4838362	372465.3945219674	4736159.847862105	2751.699645249674	2647.8134683162	2567.286738903176	2567.24292052316	80.5640724308495	80.5640724308495	
699	194579	89738.85867307335	965317.3170250766	39.52562170645949	-100.4814879	372666.32855174853	4736158.88718178	2749.589402398884	2646.589402398884	2566.390596023335	2566.299529762529	80.198328	80.2895126335308	
700	194580	90398.85867307335	965317.3170250766	39.5256154182965	-100.4791958	372867.307326529	4736151.987941788	2747.970898021076	2645.737865450505	2565.422396721594	2565.422396721594	79.877272501469	79.877272501469	
701	194581	91058.85867307335	965317.3170250766	39.52561038917308	-100.4768211	373068.2682358183	4736147.878	2745.910460250973	2644.791220343966	2564.956103243966	2564.956103243966	79.2224416873428	79.2224416873428	
702	194582	91718.85867307335	965317.3170250766	39.525603076953125	-100.4744827	373269.2651	4736143.88956354	2745.558034891224	2642.988627736718	2564.8837153547697	2564.8837153547697	79.140213819445	79.140213819445	
703	194583	92378.85867307335	965317.3170250766	39.5255967760665	-100.4721444	373470.2347345489	4736139.969756517	2743.6828625424	2641.8055270746618	2564.5802616230685	2564.5802616230685	77.2252654519326	76.89012245875802	
704	194584	93038.85867307335	965317.3170250766	39.52559041395756	-100.469806	373671.2222274451	4736131.971071057	2745.268642911076	2640.62752580052	2562.89349308075	2562.89349308075	77.333225997727	77.41741933947349	
705	194585	93698.85867307335	965317.3170250766	39.5255840485837	-100.4674676	373875.2905958217	4736139.91927499	2743.8898570207233	2639.44723822601	2560.669950325885	2560.669950325885	77.517699999181	77.517699999181	
706	194586	94358.85867307335	965317.3170250766	39.525577605148534	-100.4651292	374074.1788517256	4736123.93435715	2742.492871491367	2638.255326228473	2558.430179534703	2558.430179534703	77.517699999181	77.517699999181	
707	194587	95018.85867307335	965317.3170250766	39.5255705182965	-100.462819	374274.1568227657	4736119.987941788	2740.970898021076	2637.37865450505	2557.422396721594	2557.422396721594	77.517699999181	77.517699999181	
708	194588	95678.85867307335	965317.3170250766	39.52556459821157	-100.4604255	374475.13499379024	4736119.987941788	2740.970898021076	2636.456103243966	2556.412053146492	2556.412053146492	77.517699999181	77.517699999181	
709	194589	96338.85867307335	965317.3170250766	39.52555802698447	-100.4581141	374676.1128851338	47							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElev.ft	W.Lt.
51	264	194671	-337941.1413	965977.3170250766	39.521930567623144	-101.996746	24024.16623219513	4738987.536653995	3816.880525566741	358.7437128052025	3516.7469739917343	3519.8736164987606	81.99673831328317	78.87090436026586
52	264	194672	-337281.1413	965977.3170250766	39.52195367388385	-101.9944079	24022.2697449882	4738983.407493882	3815.912412689897	357.4333642028882	3514.3937250105396	3518.02578696658	83.03693391923416	79.22758133623029
53	264	194673	-336621.1413	965977.3170250766	39.521976724981139	-101.9920368	24020.3637	4738979.278504781	3816.434369762184	356.2211539441275	3497.911253330449	3516.333196233946	84.0336654	79.5407330393485
54	264	194674	-335961.1413	965977.3170250766	39.521999750915171	-101.9897317	24004.4607900562	4738795.149825184	3813.97567396211	3594.81400738999	3503.611635216807	3515.01411646026	85.1823521731816	79.7292534
55	264	194675	-335301.1413	965977.3170250766	39.52202272166881	-101.9873397	24302.5676478327	4738971.021316889	3811.603438004464	3593.5032614896004	3507.27717947162	3513.3378896751862	86.2268200717857	80.16537151441116
56	264	194676	-334641.1413	965977.3170250766	39.52204564729463	-101.9850556	24306.667399448	4738966.893	3807.82467354555	3582.189898128565	3504.8515933974386	3512.007253785156	87.3304703	80.18237434340026
57	264	194677	-333981.1413	965977.3170250766	39.522068527739066	-101.9827175	24307.76687016132	4738962.7645218	3804.05409090658	3580.872624231379	3502.511655324897	3511.562595474023	88.36068980648196	80.05711849114596
58	264	194678	-333321.1413	965977.3170250766	39.52209136320215	-101.9803794	24308.8606868042	4738958.637	3803.271349935366	3589.501914401902	3500.1858930544076	3511.016296918417	89.3462939	77.9872169332197
59	264	194679	-332661.1413	965977.3170250766	39.52211451537871	-101.9789413	24409.950498931	4738954.309456652	3798.625594	3588.221539441275	3497.911253330449	3510.234681986286	90.3102841108239	77.8685176989707
60	264	194680	-332001.1413	965977.3170250766	39.52213689502015	-101.9757532	24421.0537597938	4738950.382	3797.2700504417	3588.885794207776	3495.671898956506	3511.3455925254625	91.2139855921731	75.5420192
61	264	194681	-331341.1413	965977.3170250766	39.522159597827075	-101.9736511	24442.16221640207	4738945.25430015	3799.85263423272	3589.042796611747	3493.4701890530435	3510.78353369595	92.0718985775124	70.52578313055029
62	264	194682	-330681.1413	965977.3170250766	39.52218225509836	-101.971027	244613.2604204326	4738942.108	3800.444718402988	3584.1905861293974	3491.2535817286107	3511.3029439841732	92.9368640077864	72.86726414
63	264	194683	-330021.1413	965977.3170250766	39.52220486197337	-101.9686889	244814.35837089183	4738938.001027467	3800.58402787422	3584.331088439895	3489.32581	3499.167503611999	93.65358680789608	73.6627826414
64	264	194684	-329361.1413	965977.3170250766	39.522227426273254	-101.9663508	245015.456091095	4738933.874519551	3800.27559273458	3581.4634579016897	3488.936387733586	3489.8314917707714	94.527001120332	92.63196619
65	264	194685	-328701.1413	965977.3170250766	39.52224994540947	-101.9640127	245216.55351510874	4738928.8183864	3799.967175759929	3580.675898488484	3484.806116206839	3478.539417070316	95.5445184200939	90.05259643910085
66	264	194686	-328041.1413	965977.3170250766	39.52227411938196	-101.9616748	245417.6507088815	4738925.622065402	3799.67252453833	3578.70255276448	3482.27510073621	3476.08180812111	96.4214049282762	90.16216445
67	264	194687	-327381.1413	965977.3170250766	39.5222944819066	-101.9593265	245618.7476502772	4738921.496146151	3798.818308207066	3577.30823832198	3479.934418249647	3474.474831	97.3783209613339	90.1233068564407952
68	264	194688	-326721.1413	965977.3170250766	39.52231271315565	-101.9569984	245819.8444307803	4738917.37	3796.545914	3575.905398913796	3477.73761747601	3472.57845	98.3737619437685	90.13804649636957
69	264	194689	-326061.1413	965977.3170250766	39.52233957	-101.9546603	246020.9477832233	4738913.245	3794.5732504255084	3475.33983970368	3470.804437352292	3471.582959524011	99.01688601702134	90.1688601702134
70	264	194690	-325401.1413	965977.3170250766	39.52236186363376	-101.9523222	246222.036665315	4738909.17916325	3793.0753824626	3473.1716321470526	3467.651127600236	3469.90410609924356	100.42742548627636	90.105242548627636
71	264	194691	-324741.1413	965977.3170250766	39.522384117186955	-101.9499841	246423.1320926138	4738904.9943711655	3792.30272997043	3571.658187889561	3470.83364070664	3465.943434818794	100.8174538188977	90.71237447138219
72	264	194692	-324081.1413	965977.3170250766	39.52240631477616	-101.947466	246624.226877777	4738900.869918585	3793.9314701793625	3570.3521108119526	3468.967038522857	3465.9228097243395	101.740652896663	91.4324958671312
73	264	194693	-323421.1413	965977.3170250766	39.52242851265016	-101.9449123	246829.54204816	4738894.452098154	3794.9446440091614	3550.4877430271681	3467.187565891582	3465.9228097243395	102.36200117591961	90.36200117591961
74	264	194694	-322761.1413	965977.3170250766	39.52245057852734	-101.9424968	247026.4193061302	4738882.620340786	3797.020413280006	3567.05661795866	3465.005894400715	3462.6515582991	102.3939753087159	90.7405021328552
75	264	194695	-322101.1413	965977.3170250766	39.522472675627046	-101.9406316	247227.51423711764	4738880.469771007	3795.76676991893	3565.992566756123	3463.247678340926	3461.2610982414864	102.74527804151967	90.71385845143957
76	264	194696	-321441.1413	965977.3170250766	39.522494675103296	-101.9382935	247428.6089231512	4738884.728204975	3791.7414006090485	3564.580836542883	3461.8148996973248	3459.8512811507147	102.7659368455553	90.742955478417362
77	264	194697	-320781.1413	965977.3170250766	39.52251665271925	-101.9359554	247629.7033569705	4738880.294094885	3787.66119208305	3563.169973811346	3460.262375823884	3458.584390343127	102.90759808746179	90.75980873073326
78	264	194698	-320121.1413	965977.3170250766	39.52253854271601	-101.9336173	247830.79754004116	4738876.125825395	3783.60731335533	3561.769746897438	3458.572840007375	3457.059664277223	103.1869096006094	90.74008156021727
79	264	194699	-319461.1413	965977.3170250766	39.52256046716341	-101.9312726	248031.8914745453	4738872.302287319	3784.97698317681	3559.347650481638	3457.009481628616	3456.369522755298	103.340718343086	90.74008156021727
80	264	194700	-318801.1413	965977.3170250766	39.522582395917854	-101.9289117	248232.9851065573	4738876.183315353	3559.67183315353	3554.936918965547	3455.955202187277	3455.1200975483017	103.52799547071608	90.738071561767
81	264	194701	-318141.1413	965977.3170250766	39.52260410303636	-101.9266029	248434.0785968117	4738863.76534246	3773.409042671187	3557.522482321192	3454.1251972517143	3453.298282	103.3972850604777	90.724240202678222
82	264	194702	-317481.1413	965977.3170250766	39.52262658065005	-101.9242468	248635.17178410856	4738859.633704375	3766.110849711109	3545.272520155647	3452.577684494616	3453.532616490616	103.533624694364	90.733616214617
83	264	194703	-316821.1413	965977.3170250766	39.522648756683324	-101.9219267	248836.264722513	4738855.51227064	3765.611258315176	3540.7006249170804	3501.022893760583	3450.6524912911846	103.6983535402201	90.733616214617
84	264	194704	-316161.1413	965977.3170250766	39.52266927851219	-101.9195886	249037.3512129406	4738851.388636791	3759.8236553455076	3533.293138866367	3449.3874440208137	3448.8457234852067	103.9055946610721	90.74474150117957
85	264	194705	-315501.1413	965977.3170250766	39.52269084370484	-101.9172504	249238.456496999	4738847.267705344	3754.930365275837	3531.885528134774	3447.654252518493	3447.5586057895844	104.2340485162609	90.74474150117957
86	264	194706	-314841.1413	965977.3170250766	39.5227129344605985	-101.9149123	249439.54204816	4738843.152098154	3750.47430271681	3529.4877430271681	3445.951249457	3445.951249457	104.46201157591961	90.74474150117957
87	264	194707	-314181.1413	965977.3170250766	39.522735099181755	-101.9125242	249640.6339949045	4738839.02374105	3743.084065	3529.4877430271681	3445.951249457	3445.951249457	104.6927445984845	90.7567185394585
88	264	194708	-313521.1413	965977.3170250766	39.522755402277875	-101.910236	249841.7259336937	4738834.902	3738.532097595129	3527.700623057729	3442.1318527061185	3441.7275609779576	105.5687703516105	90.7567185394585
89	264	194709	-312861.1413	965977.3170250766	39.52277685472884	-101.9078979	250042.8714414607	4738831.78127534	3733.9833713154235	3546.3143141081196	3440.527513306436	3440.527513306436	105.76880017747593	90.7567185394585
90	264	194710	-312201.1413	965977.3170250766	39.52279824550315	-101.9055598	250243.9038482513	4738826.66038471	3732.435364730064	3543.433066258226	3440.7561324076955	3440.7561324076955	105.916338451304	90.7567185394585
91	264	194711	-311541.1413	965977.3170250766	39.52281993093682	-101.9032216	250444.9930508086	4738823.369387628	3725.649044364954	3543.571367131871	3440.728524658054	3441.025875758713	106.03913666581	90.7567185394585
92	264	194712	-310881.1413	965977.3170250766	39.52284089006272	-101.9008385	250646.090510992	4738819.415205096	3724.1891353312697	3543.6381637434	3440.7561324076955	3441.025875758713	106.16573851541	90.7567185394585
93	264	194713	-310221.1413	965977.3170250766	39.52286193235525	-101.8984619	250853.7189222928	4738816.9369348	3723.61890836875	3543.6381637434	3440.7561324076955	3441.025875758713	106.29307187777	90.7567185394585
94	264	194714	-309561.1413	965977.3170250766	39.522883359376006	-101.8962072	251045.270955492	4738817.17809383	3716.5817034142	3539.44721273733	3443.60514630547	3447.772201939306	106.421047447296	90.7567185394585
95	264	194715	-308901.1413</											

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev-ft	W.Lt.	BRLEvBothKrg-ft	BRLEvBothKrg-ft	SatHtKgs-ft	SatHtKgs-ft
174	19479	-254781.1413	965977.3170250766	39.52446862038234	-01.7021371	267737.92026428784	4738468.971491007	3602.00208131152776	34.26419279127213	3289.516796	3300.0996566640454	142.94517163749242	132.3622692486696	
176	19478	-254121.1413	965977.3170250766	39.524530569465485	-01.6997899	267338.99060202476	4738464.966665409	3598.24629611317	3287.2611564144503	3287.5910589553947	3287.5910589553947	142.9620974950557	134.85025986317328	
178	19479	-253961.1413	965977.3170250766	39.524521636807694	-01.6987466	268140.96020148116	4738460.768037497	3545.9272364158425	3280.91312621046	3284.8823809591387	3282.5016270296857	145.1903173387726	137.46832314488	
180	19480	-252801.1413	965977.3170250766	39.524538393724924	-01.6951224	268341.104271108	4738456.056449814	3589.04562530834	3278.98505358736	3284.904823717647	3282.58050358736	138.8948557572205	140.0059250986924	
181	19480	-252141.1413	965977.3170250766	39.524555687	-01.6927841	268542.19999663474	4738452.56549576	3547.04616634849	3274.7344428844613	3280.379121208147	3284.964467496867	142.7873103800624254	142.7873103800624254	
182	19480	-251541.1413	965977.3170250766	39.5245729031275	-01.6904459	268743.2693382951	4738446.46480194	3579.2824067438532	3276.57578995628	3278.0219012509447	3282.042334036183	148.55583870534125	144.5583870534125	
184	19480	-250821.1413	965977.3170250766	39.52459080754414	-01.6881076	268944.33805169644	4738444.363727188	3573.9191094474837	3275.421331955077	3276.231313955077	3279.018642503904	148.7911518267967	146.403488686226	
184	19480	-250116.1413	965977.3170250766	39.52460724227285	-01.6857694	269145.405	4738440.263	3568.049552	3274.273256191075	3273.985129190035	3278.6791854242956	150.2881284204071	147.5934416767795	
186	19480	-249501.1413	965977.3170250766	39.5246243414332	-01.6834511	269346.4759551116	4738436.159702068	3545.181865439425	3272.62195391318	3271.811513429296	3273.953703480446	151.127782616492715	147.7801924682872	
186	19480	-248841.1413	965977.3170250766	39.524641356469691	-01.6810293	269547.5444256948	4738432.962710633	3556.326818342253	3271.981757178907	3269.682745105985	3271.270517335595	152.290110650202	150.71132836317	
187	19480	-248181.1413	965977.3170250766	39.5246584033851	-01.6787546	269748.612682822	4738427.962878764	3551.737318650838	3270.836245386853	3267.8060112409426	3268.4026367521263	153.03081329891575	152.4231878	
188	19480	-247521.1413	965977.3170250766	39.52467538083736	-01.6764164	269940.680050249	4738423.863207522	3548.42105796764	3269.1493694732085	3265.8059650743144	3265.640784	153.87750465777412	154.0526856602864	
188	19480	-246861.1413	965977.3170250766	39.52469229	-01.6740781	270150.74835435957	4738419.767526112	3545.1004715967018	3268.15772247257	3263.87862868070294	3263.0538237034816	155.0530353477557	155.0530353477557	
190	19480	-246201.1413	965977.3170250766	39.52470196	-01.6717399	270351.8158771505	4738415.665	3541.7673723917316	3267.4269853284186	3262.0396730030025	3262.543764960172	155.3871152983938	155.3871152983938	
191	19481	-245541.1413	965977.3170250766	39.5247259812901	-01.6694916	270552.8817345923	4738411.565491752	3540.681827137315	3266.18713530396	3260.5339396635738	3258.705351389816	157.59932160384968	157.59932160384968	
192	19481	-244881.1413	965977.3170250766	39.524742512096	-01.6670363	270753.9620436286	4738407.068485796	3541.7800324363448	3265.180039708671	3259.135039708671	3257.5064794021564	158.0450238989377	157.6730014704817	
193	19481	-244221.1413	965977.3170250766	39.52475950901348	-01.6647251	270955.017087764	4738403.368096121	3542.89126858971	3264.810124964693	3257.946847469786	3255.0126524509825	158.41127274147154	159.40548721878664	
194	19481	-243561.1413	965977.3170250766	39.52477601702934	-01.6623868	271156.0837061076	4738400.28977252	3543.99682381602	3264.93778527673	3256.98741742574	3256.420644792623	159.9536367850345	159.9536367850345	
196	19481	-242901.1413	965977.3170250766	39.52479285	-01.6600485	271357.1500988618	4738395.17556669	3544.385601308225	3264.182700341185	3256.328543832077	3257.98397894299	159.4846047697747	158.3534145195628	
196	19481	-242241.1413	965977.3170250766	39.52480945157605	-01.6577103	271558.2163	4738391.0732641	3545.106418263844	3263.10107822176138	3255.894231	3260.5263281231968	154.8914914050335	150.1823915	
197	19481	-241581.1413	965977.3170250766	39.5248260087596	-01.655327	271759.2822042715	4738386.976	3543.703683960973	3260.58776040937758	3262.574131567495	3262.76448003824	153.7662255263167	142.82131190998517	
198	19481	-240921.1413	965977.3170250766	39.5248452077462	-01.6530338	271960.347925518	4738382.87530257	3540.46114603304	3260.46114603304	3255.963855774038	3276.8061703986545	147.6760822657	131.6551058464934	
198	19481	-240261.1413	965977.3170250766	39.5248642914332	-01.6506815	272175.24460118116	4738378.103707937	3543.783170100543	3260.206218811865	3246.704383630257	3259.041181043765	154.035253587559	147.6760822657	
200	19482	-239601.1413	965977.3170250766	39.5248751052937	-01.6483572	272362.4786802127	4738374.68402476	3551.376874350965	3260.19006546559	3245.957035769304	3278.272393346618	151.1825293965658	137.9521725995107	
201	19482	-238941.1413	965977.3170250766	39.52489178580709	-01.6460189	272563.5453725529	4738370.96817479	3556.801471555966	3260.0527448300284	3252.898271479036	3271.657227490938	152.1274734511263	132.82618232302	
202	19482	-238281.1413	965977.3170250766	39.52490817115512	-01.6436807	272764.6086480154	4738366.490519419	3562.226276071873	3260.86275863547	3250.9168916796977	3265.72692670222	152.945869685794	138.090567932675	
204	19482	-237621.1413	965977.3170250766	39.5249244	-01.6413424	272965.6734233697	4738362.39409253	3562.632895390575	3260.69083767905	3249.238495828753	3262.49569100542	154.4519542315266	140.1951127624891	
204	19482	-236961.1413	965977.3170250766	39.5249406442844	-01.6390041	273166.7376160947	4738358.29817508	3558.02141058443	3260.1506720187607	3247.680234073137	3260.5745033906443	153.8294379456238	140.933611821164	
206	19482	-236301.1413	965977.3170250766	39.5249594016176	-01.6368669	273367.861762894	4738354.201888817	3560.546320278178	3260.0268188176126	3246.704383630257	3259.041181043765	154.035253587559	147.6760822657	
206	19482	-235641.1413	965977.3170250766	39.52497299816	-01.6342776	273569.071061438	4738350.1505253	3563.19811061438	3259.12788729115	3245.0102855159529	3259.297895159529	154.1138520169445	139.876817927945	
207	19482	-234981.1413	965977.3170250766	39.52500963261605	-01.6319931	273769.9239309134	4738346.011	3563.30121082026	3258.342654553403	3259.47857179134	3254.097467566587	154.097467566587	140.442949022444	
208	19482	-234321.1413	965977.3170250766	39.5250051564807	-01.629695	273970.9268975595	4738341.91200511	3563.115927214996	3258.708532580529	3242.424787687886	3260.0334783470454	154.287358200733	136.472638200733	
208	19482	-233661.1413	965977.3170250766	39.525020171805506	-01.6273128	274172.0561259526	4738337.8200702835	3562.18262202076	3258.4903407857267	3241.391055185765	3260.912106401906	154.0982495999915	134.571198345613	
210	19483	-233001.1413	965977.3170250766	39.52503714179394	-01.6249745	274373.1191559624	4738333.12515694	3551.2805582054185	3249.311648471927	3240.421133265762	3262.078522191006	153.84807315216493	132.1829396020267	
211	19483	-232341.1413	965977.3170250766	39.52505306651326	-01.6226362	274574.181970687	4738329.63409565	3568.052504890762	3258.0259304890762	3258.505206265456	3263.90785873716	153.52184152339169	129.518034886981	
212	19483	-231681.1413	965977.3170250766	39.52506946016176	-01.6202878	274775.24460118116	4738325.103707937	3569.181037100543	3257.81037100543	3246.704383630257	3259.041181043765	154.035253587559	147.6760822657	
213	19483	-231021.1413	965977.3170250766	39.525084780744535	-01.6178596	274976.308274911	4738321.41712478	3572.051819364528	3257.6831834215	3238.042319801899	3262.574131567495	152.48551333646254	127.92547008481007	
214	19483	-230361.1413	965977.3170250766	39.5251005706544	-01.6156214	275177.36907318543	4738317.247630403	3571.5124591183976	3257.461739324545	3237.061372321934	3260.836555596147	152.203369603511	120.4238378292981	
215	19483	-229701.1413	965977.3170250766	39.52511631419177	-01.6132831	275378.34099074076	4738310.35334068	3572.9090928195541	3256.77439903102	3236.5714348993018	3270.626321919545	151.4134889954523	117.6164889954523	
216	19483	-229041.1413	965977.3170250766	39.52513201317262	-01.6109488	275579.4927003662	4738307.160213657	3571.21240734191	3256.70184400304	3236.813068758163	3272.659332853364	149.8911196421499	114.0448554634948	
217	19483	-228381.1413	965977.3170250766	39.5251476697684	-01.6086065	275780.5541822647	4738305.068212968	3569.0518713634028	3256.09282969675	3234.591428953023	3273.4975274395654	150.880934016246	111.9024548100957	
218	19483	-227721.1413	965977.3170250766	39.52516325137177	-01.6063828	275981.6154433114	4738302.783528391	3571.824402353388	3256.0474734564	3234.591428953023	3269.656184806895	150.01073336688	114.04125999764984	
219	19483	-227061.1413	965977.3170250766	39.525178954736218	-01.6040681	276182.7089570813	4738298.62681	3572.901811524645	3255.0274734564	3234.591428953023	3269.656184806895	150.01073336688	114.04125999764984	
220	19484	-226401.1413	965977.3170250766	39.52519345737361	-01.6019176	276383.733036661	4738290.787903741	3573.01819364528	3254.8122357545683	3232.2245560111	3260.3341297479384	149.0036793177123	120.890430409614	
221	19484	-225741.1413	965977.3170250766	39.5252058390548	-01.5992533	276584.797903387	4738288.695371266	3566.67103708172	3257.4629054798255	3231.2889141162004	3255.0965464061826	148.3539913636203	124.5426001964289	
222	19484	-225081.1413	965977.3170250766	39.52522558475965	-01.5969151									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatH.Kg.ft	SatH.Kg.ft
303	264	194923	-176121.1413	965977.3172025076	39.526324912852026	-101.4075109	39071.0374313104	4377953.84202303	3411.0262438483096	32.26578034627886	3136.398819787878	3137.850092982206	98.59886791063	98.40680048058241
304	264	194924	-170961.1413	965977.3172025076	39.52633663625031	-101.4051721	39322.074804898944	4377946.76395617	3408.964428423044	32.24.7902052444506	3134.1370262459344	3135.631252059093	97.15896295954133	97.15896295954133
305	264	194925	-170301.1413	965977.3172025076	39.52641742683059	-101.4028327	39343.1230372172	4377945.96296877	3408.920613900292	32.23.340743480446	3132.8618044260674	3132.8618044260674	97.0363846767269	97.0363846767269
306	264	194926	-169641.1413	965977.3172025076	39.52635994925201	-101.4004564	39374.1659351705	4377941.87187317	3407.840175762925	32.23.9092581942064	3130.9442875181376	3131.810225229074	96.964706706879	96.964706706879
307	264	194927	-168881.1413	965977.3172025076	39.52637515777144	-101.398157	393875.20836516656	4377937.54486011	3406.396516687554	32.23.491130840627	3129.674264810265	3131.885333669367	96.822482373772	96.811770412598
308	264	194928	-168321.1413	965977.3172025076	39.526378100300986	-101.3958186	294076.2506	4377934.10140448	3404.55217254786	32.23.107363213794	3128.633207008164	3130.21474931321519	95.0534685	
309	264	194929	-167661.1413	965977.3172025076	39.526383495191588	-101.3934803	294277.2926172905	4377925.397490209	3402.713698936102	32.22.74896556635	3127.809949716783	3130.271640256393	99.9194948388069	97.5448012927031
310	264	194930	-167001.1413	965977.3172025076	39.52640603205907	-101.3911419	29448.3440043742	4377929.32155375	3400.87425224548	32.26.364652043304	3126.975732112042	3126.968568783257	98.398287912607	96.807969200461
311	264	194931	-166241.1413	965977.3172025076	39.52641742683059	-101.3886038	294679.376617428	4377925.10353942	3400.87425224548	32.23.107363213794	3126.975732112042	3126.968568783257	98.398287912607	96.807969200461
312	264	194932	-165681.1413	965977.3172025076	39.52642892430333	-101.3864652	294880.4174811653	4377917.178131895	3400.640217259904	32.22.8595202416158	3126.5170302500564	3129.123487205767	97.1682823661207	94.55351165958116
313	264	194933	-165021.1413	965977.3172025076	39.526440119858304	-101.3841286	295001.45870016585	4377913.105423235	3400.036372581334	32.22.3681041318308	3126.3810697800454	3130.0070344	93.551413043136	
314	264	194934	-164361.1413	965977.3172025076	39.526451392115905	-101.3817884	295282.4997176323	4377909.032696945	3401.466527865563	32.21.063220931115	3126.564124375047	3126.854097566074	94.4994975660674	92.4088145286675
315	264	194935	-163701.1413	965977.3172025076	39.5264619199006	-101.3794501	295483.5405342087	4377904.350721027	3399.790375299911	31.29.173132134264	3127.0450212722706	3129.015980310224	92.508231323238	92.508231323238
316	264	194936	-163041.1413	965977.3172025076	39.526473801117106	-101.3771117	295684.581500109	4377890.8869946	3396.0141921973226	31.28.4902191276487	3127.171654921944	3127.124643544502	90.737368244684	90.737368244684
317	264	194937	-162381.1413	965977.3172025076	39.5264849785249	-101.3747733	295868.6215655149	4377896.81846251	3392.2269642872	31.27.219327265632	3128.6329640428917	3129.699407	88.586362274015	87.559920154802
318	264	194938	-161721.1413	965977.3172025076	39.52649602942146	-101.3724349	296066.8617805795	4377892.745230387	3388.423893780145	31.25.957605367167	3129.359481850205	3130.01132843452	86.590255169616	85.9462769364192
319	264	194939	-161061.1413	965977.3172025076	39.526507787581851	-101.3700966	296267.701795735	4377888.67033554	3384.70442957498	31.24.70442957498	3128.625066677074	3127.42740433938	87.8737629	87.2773984173665
320	264	194940	-160401.1413	965977.3172025076	39.526518017043676	-101.3677582	296488.74161048045	4377883.62256485	3385.810563739122	31.23.4591597798476	3123.923446181927	3127.4275019565103	85.9357516165493	88.8801389175534
321	264	194941	-159741.1413	965977.3172025076	39.52652903	-101.3654186	296689.78122650174	4377883.53168671	3385.31603056208	31.22.220665582304	3121.29611678926	3121.9962723649	90.9245588	90.2243632582156
322	264	194942	-159081.1413	965977.3172025076	39.52653943978214	-101.3630814	296890.820461605	4377878.61	3384.821497436592	31.21.0680808351535	3118.9305309314426	3119.128296823248	90.5007530071088	91.58729211
323	264	194943	-158421.1413	965977.3172025076	39.52655086968754	-101.3607431	297091.895894846	4377872.39	3384.83138927861	31.209.75444443344	3116.814716211816	3116.814716211816	92.9396102235	92.9396102235
324	264	194944	-157761.1413	965977.3172025076	39.52656163	-101.3584047	297252.898771217	4377868.10008946	3386.359580545212	31.208.56491655567	3114.902443633717	3114.902443633717	93.617247291952	93.617247291952
325	264	194945	-157101.1413	965977.3172025076	39.52657263959025	-101.3561032	297463.978230939	4377864.294857938	3386.359580545212	31.208.56491655567	3114.902443633717	3114.902443633717	93.617247291952	93.617247291952
326	264	194946	-156441.1413	965977.3172025076	39.52658313573536	-101.3537279	297694.9761368309	4377860.10068584	3386.407573950205	31.206.04842790873	3111.685453724544	3110.7019197	94.3730936534326	94.3730936534326
327	264	194947	-155781.1413	965977.3172025076	39.52659382080484	-101.3513896	297896.01473683085	4377856.104127215	3385.963812680979	31.204.6788417213	3110.386018	3107.615761403582	94.72087274151147	92.9622423136308
328	264	194948	-155121.1413	965977.3172025076	39.5266044605404	-101.3490512	298097.052962366	4377852.04935382	3384.552419749149	31.203.5777394360375	3109.336114057688	3105.686199951877	94.2416289734958	97.8915394814167
329	264	194949	-154461.1413	965977.3172025076	39.5266150553117	-101.3467128	298298.0908809323	4377847.91702405	3383.1410815147085	31.202.33388131848	3108.5519838377013	3108.5519838377013	97.822806452891	97.822806452891
330	264	194950	-153801.1413	965977.3172025076	39.52662560483617	-101.3443744	298498.1288160166	4377843.90288187	3381.729715931586	31.201.06239332523	3108.127379124175	3108.685353835748	93.930264223556	93.930264223556
331	264	194951	-153141.1413	965977.3172025076	39.526636189174255	-101.342036	298700.166872816	4377839.63867285	3380.5471897813357	31.199.7634421019	3108.54923621019	3108.54923621019	91.5822893	91.5822893
332	264	194952	-152481.1413	965977.3172025076	39.5266473097767	-101.3396777	298901.209739205	4377835.755	3379.8512242396	31.198.52191154515	3108.042731154515	3108.042731154515	94.7496882131211	92.057987347296
333	264	194953	-151821.1413	965977.3172025076	39.526659682323495	-101.3373593	299102.2412145566	4377831.60868172	3378.63965549597	31.197.243471	3111.128810124686	3110.64969937675	88.11466102	88.7447761842272
334	264	194954	-151161.1413	965977.3172025076	39.52666763113985	-101.3350209	299303.2782537422	4377827.68719724	3377.65919069227	31.195.9654883868	3116.21427278506543	3116.21427278506543	87.762703321433	79.91690016019584
335	264	194955	-150501.1413	965977.3172025076	39.52667767478401	-101.3326825	299504.3150957172	4377823.9670448	3376.558607475481	31.194.0728523476	3106.573164754065	3103.389054051105	92.09496876834964	91.2812308365547
336	264	194956	-149841.1413	965977.3172025076	39.52668795325916	-101.3303441	299705.3517411413	4377819.49302645	3375.273116531965	31.193.3741832998	3106.936205994484	3106.936205994484	96.098301023818	96.098301023818
337	264	194957	-149181.1413	965977.3172025076	39.52669819655507	-101.3280057	299908.3881902053	4377815.40250598	3374.95868455275	31.192.070310182294	3106.74015456678	3106.74015456678	93.617247291952	93.617247291952
338	264	194958	-148521.1413	965977.3172025076	39.52670737462926	-101.3256767	300107.424431953	4377811.358	3372.655978543116	31.190.7584421019	3106.54923621019	3106.54923621019	94.151910106568	
339	264	194959	-147861.1413	965977.3172025076	39.52671851763809	-101.323329	300368.00605085	4377807.291109457	3371.1523806792048	31.189.493191406182	3106.429581363233	3106.429581363233	92.9396102235	92.9396102235
340	264	194960	-147201.1413	965977.3172025076	39.52672862	-101.3209096	300509.9496312513	4377803.22433144	3369.446012012177	31.188.12958424087	3106.49552806157	3106.49552806157	94.79562762074	91.3631031162207
341	264	194961	-146541.1413	965977.3172025076	39.52673868036139	-101.3186522	300710.5320269307	4377799.15715994	3367.738741970176	31.186.77973805566	3106.79689892194	3106.79689892194	90.9349122754074	90.9349122754074
342	264	194962	-145881.1413	965977.3172025076	39.52674867456951	-101.3163138	300911.5674972627	4377795.01125993	3366.03423230226	31.185.400675541146	3106.4487786	3106.4487786	91.1998902715928	91.1998902715928
343	264	194963	-145221.1413	965977.3172025076	39.526758873735284	-101.3139754	301112.6027726933	4377791.025	3364.81195093288	31.184.081632172955	3106.3171550177	3106.3171550177	90.981089177849	91.51464129316258
344	264	194964	-144561.1413	965977.3172025076	39.5267685428268	-101.311637	301313.675927485	4377786.95887948	3363.474363436428	31.182.76337950406	3106.801731411723	3106.801731411723	90.953204893748	91.6678374082187
345	264	194965	-143901.1413	965977.3172025076	39.52677862353928	-101.309362	301514.6727881936	4377782.978849401	3362.4802974588187	31.180.92974588187	3106.429581363233	3106.429581363233	92.9396102235	92.9396102235
346	264	194966	-143241.1413	965977.3172025076	39.526788253429625	-101.3069072	301715.70142936176	4377778.82749376	3361.199557404123	31.180.06652795208	3106.429581363233	3106.429581363233	92.9396102235	92.9396102235
347	264	194967	-142581.1413	965977.3172025076	39.52679803504336	-101.3046218	30191							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtHopsKrg.ft	SatHtBoth.ft
430	264	195049	-88461.14133	96597.71370250766	39.527446400884116	-101.128718	318040.92293804617	3747442.133017916	327.032962	306.430450720392	2985.243586012883	2982.351813725644	81.99781968850915	85.6915974747979
430	264	195050	-87801.14133	96597.71370250766	39.52745243039042	-101.103534	318001.9458255141	3747308.96473362	322.269300138225	306.64972659611253	2983.986576714831	2981.20663961712925	85.14276304310442	85.746304310442
431	264	195051	-87411.14133	96597.71370250766	39.5274646120122876	-101.081493	318002.9672339616	3747434.038144438	320.434362659138	306.4529767162308	2983.657870034353	2981.8853297776078	84.20029696024481	84.20029696024481
432	264	195052	-86481.14133	96597.71370250766	39.52746463198181	-101.105565	318013.958595656846	3747309.991029338	321.2995994511306	306.954183690818	2981.2840309718076	2979.776487091669	81.67015272	83.1776695736905
433	264	195053	-85821.14133	96597.71370250766	39.527470258666024	-101.1035181	319205.0045257023	374725.9441286605	321.1649652379965	306.12563175464247	2979.8242897208656	2978.751030378661	81.4320270559009	82.54128716776358
434	264	195054	-85161.14133	96597.71370250766	39.52747611017825	-101.1017796	319406.02290216147	374721.89742387	321.03313033174463	305.95682381178465	2978.2630323750504	2977.7296121143963	81.3502628581608	81.8382626047019
435	264	195055	-84501.14133	96597.71370250766	39.527481916515846	-101.0988412	319607.0411055472	374717.85070519	321.0541810342515	305.8793530522245	2976.574701	2976.2753235227	81.31883406107451	81.8119980197441
436	264	195056	-83841.14133	96597.71370250766	39.52748767767966	-101.0965208	319808.0591323934	374714.8074130415	321.2336561053425	305.6235374466897	2974.78769335633	2974.8906293292558	81.47470513126377	81.474705132674094
437	264	195057	-83181.14133	96597.71370250766	39.5274933920122876	-101.0941463	320009.0768652864	3747109.75896991	320.4189406121974	305.4579671612064	2973.7283027258605	2973.7283027258605	81.5238094280534	81.5238094280534
438	264	195058	-82521.14133	96597.71370250766	39.52749900448592	-101.0919259	320210.046605315	3747105.71284124	320.6013205665704	305.28590597168114	2971.651807324905	2971.905202891740	81.3332839	81.0758928428265
439	264	195059	-81851.14133	96597.71370250766	39.527500460128346	-101.0894875	320411.1126115527	374710.672628845	320.610835770306	305.1402960183335	2970.3367459313567	2970.658696240883	81.06621468887676	80.7307640942479
440	264	195060	-81201.14133	96597.71370250766	39.5275107509698	-101.087149	320612.1248660104	374737.621826899	320.73930914813565	304.856826443495	2968.91590000516	2969.334251572702	80.9408764	80.5252547
441	264	195061	-80541.14133	96597.71370250766	39.52751580589175	-101.0848106	320813.1468649767	374730.364162625	320.977014611091	304.8514033449	2967.4047153309837	2967.8584117262143	80.8057898346545	80.73052977230625
442	264	195062	-79881.14133	96597.71370250766	39.52752120601271	-101.0824721	321014.16361278715	374739.53169699	321.1601037977173	304.8890250405217	2965.848355424575	2964.36642651772	80.6129651159484	80.50337650228036
443	264	195063	-79211.14133	96597.71370250766	39.52752674095981	-101.0801337	321215.1804139338	374738.48993101	321.181645397177	304.5472615291645	2964.2746381371535	2962.592510497588	81.19797715449204	82.8800474596889
444	264	195064	-78561.14133	96597.71370250766	39.52753214073306	-101.0771193	321416.197	3747381.44237018	321.0145069113242	304.049467132842	2960.65389878825	2960.840862376307	81.43827026405954	80.900089502132
445	264	195065	-77901.14133	96597.71370250766	39.52753745933245	-101.0754568	321617.2134933215	374737.398042068	320.9105359845828	304.2748923008295	2961.0031634273482	2959.037170524052	81.4758728348131	81.7313753289829
446	264	195066	-77241.14133	96597.71370250766	39.527542804757914	-101.0731184	321818.229720787	374737.33920605	320.4142848174467	304.142858174467	2959.4600376811973	2957.24778880274	81.9685104	81.45426299
447	264	195067	-76581.14133	96597.71370250766	39.5275480090952	-101.0707799	322019.2458770556	3747369.31028366	320.93413120425507	304.1284423585644	2957.67180670457	2955.458944658167	82.36663359810746	84.57354789274764
448	264	195068	-75921.14133	96597.71370250766	39.52755238808721	-101.0684145	322220.2618084947	374736.36242057	320.8249576378284	303.8425774015263	2956.100472808984	2954.805309625066	82.74223959524232	84.03701784964975
449	264	195069	-75261.14133	96597.71370250766	39.52755845819094	-101.0661031	322421.277666043	374736.278218335	319.8494042320175	303.7565114512337	2954.2809202412222	2952.903760170015	82.3841927110975	84.6613594817037
450	264	195070	-74601.14133	96597.71370250766	39.52756359072678	-101.063746	322622.295115954	3747357.18	319.5161948813207	303.629630980576	2952.379026362976	2951.516707495923	81.9110836170975	84.7738024813455
451	264	195071	-73941.14133	96597.71370250766	39.5275694967439	-101.061034	322823.06389725	374735.18527416	319.400493520484	303.5051049329495	2950.478178149055	2949.83051242307	81.46445173454576	86.35231426100472
452	264	195072	-73281.14133	96597.71370250766	39.52757371255883	-101.0590767	323024.3238033973	374734.904	318.95697384753	303.374613751263	2948.195873537516	2948.70724134126	85.53370411374728	85.0269691717313
453	264	195073	-72621.14133	96597.71370250766	39.52757870586666	-101.0567493	323225.3388699307	374735.051130036	317.824573191002	303.2524399512466	2946.0213401957735	2948.986201	84.64100975480734	83.46614870565643
454	264	195074	-71961.14133	96597.71370250766	39.52758363930096	-101.0544108	323426.3537647137	3747341.008730216	317.670978086328	303.116515	2944.0782357388	2945.005278	81.90729122052182	86.15962089368287
455	264	195075	-71301.14133	96597.71370250766	39.52758856	-101.0520724	323627.384689442	374733.96644531	317.01706253034	302.986019	2941.753977655583	2942.127810336048	81.85044774734695	87.696369968222
456	264	195076	-70641.14133	96597.71370250766	39.5275934144724	-101.049734	323828.3830375454	3747332.92453727	316.673047668309	302.8161924081288	2939.080711257363	2939.489779763347	81.88412183	89.0721625169177
457	264	195077	-69981.14133	96597.71370250766	39.5275984967439	-101.0470458	324029.3974164419	374732.90730545	316.4002108135838	302.7245611648776	2938.16536999995	2938.41985	81.931377164029006	86.8282722
458	264	195078	-69321.14133	96597.71370250766	39.5276029429757	-101.045071	324230.411623874	374732.841727214	316.697848498959	302.619139712598	2938.7478125272	2932.10034304008	81.9163391553798	81.701370305193
459	264	195079	-68661.14133	96597.71370250766	39.5276071664649	-101.0427186	324431.4257596929	3747320.79892483	315.87562716425043	302.4565021431461	2932.572048919467	2936.423367539432	91.994725119944	88.14165389
460	264	195080	-68001.14133	96597.71370250766	39.52761239	-101.0403802	324632.4366250767	374731.758542952	315.357921	302.320982391031735	2930.95941573921	2931.57065516121	92.5240835715254	88.107363684223
461	264	195081	-67341.14133	96597.71370250766	39.52761703	-101.0380417	324833.4533193025	374731.71927608	315.3524679853652	302.18422336040257	2930.1791094257082	2933.5741889405	92.9601175	88.27480497950606
462	264	195082	-66681.14133	96597.71370250766	39.52762161191238	-101.0357033	325034.4658428903	374730.67721442	315.0384282898526	302.048064462381	2930.181642836564	2931.674438925027	91.99091179	87.9042058625392
463	264	195083	-66021.14133	96597.71370250766	39.527626153308396	-101.0333468	325235.4801903258	374730.365769443	314.9170561238673	301.970564184424	2929.46236947127	2931.921269899887	88.8628722	87.1857455344369
464	264	195084	-65361.14133	96597.71370250766	39.5276304967439	-101.031034	325436.4933789325	374730.59511608	314.9190084170413	301.729478290053	2928.5525353598	2931.377164029006	87.46445173454576	86.35231426100472
465	264	195085	-64701.14133	96597.71370250766	39.52763510079431	-101.028688	325637.5063917987	374730.564597923	314.435813382933	301.6163879386907	2929.083305711253	2930.840183	86.2635612735652	85.50576753
466	264	195086	-64041.14133	96597.71370250766	39.527639506740144	-101.0263495	325838.5193432326	374729.51663831	314.6706079483053	301.4196119495107	2929.2169480639326	2927.960737421163	85.7442481461463	87.4540752584443
467	264	195087	-63381.14133	96597.71370250766	39.52764387611951	-101.0240111	326039.5319082415	374728.477022975	312.343901787596	301.53544316456958	2929.0338125879043	2927.10916083431	86.465021905779145	86.465021905779145
468	264	195088	-62721.14133	96597.71370250766	39.52764818103961	-101.0216726	326240.5441223276	374728.437621698	312.61841698728418	301.1869457882046	2928.2514218359722	2928.514218359722	83.929924286016	85.672724293198
469	264	195089	-62061.14133	96597.71370250766	39.527652835310921	-101.0193242	326441.5567017118	374728.39845339	312.4789066982018	301.799014455805	2927.9798919117427	2925.707138898318	83.9192254406216	85.0916098887304
470	264	195090	-61401.14133	96597.71370250766	39.52765667879277	-101.0169897	326642.56889178224	374727.359461493	311.826482100348	300.9140405737305	2925.8214835202233	2924.841764851395	83.5893471207651	84.9290755293988
471	264	195091	-60741.14133	96597.71370250766	39.52766139571537	-101.0147193	326848.6290305454	374727.320370545	311.629032942169	300.729032942169	2925.8214835202233	2924.841764851395	83.5893471207651	84.9290755293988
472	264	195092	-60081.14133	96597.71370250766	39.52766594978372	-101.0123188	327044.5927381226	374726.28157694	311.45751930002	300.6362810418186	2923.3850312352313	2922.36535412148	83.24757016	84.2672578770018
473	264	195093	-59421.14133	96597.71370250766	39.52766960348655	-101.009								

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtBoth.f	SatHtBoth.f
554	254	195175	-5.301,141327	965977.3170250766	-00.27285071296866	-00.8188227	343728.0077232267	4376933.828403008	2878.2010938910607	2880.789940490015	2798.0247663420673	2838.4610868020322	42.32885369
556	254	195176	-4641.141327	965977.3170250766	-00.27285105324254	-00.8188888	343329.0056724079	4376929.8037380965	3002.890383359057	2879.14020591918	2798.464077	2835.262269120563	40.67596139
557	254	195177	-3981.141327	965977.3170250766	-00.2728513332669	-00.8193591	344130.0032300705	4376925.91861143	3002.896679191218	2877.463147258266	2798.776591420617	2835.1165754682617	44.65190303218
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559	254	195179	-2661.141327	965977.3170250766	-00.27285180296246	-00.8088731	344531.999683269	4376917.743754074	3003.519182617683	2874.125761915127	2802.975032839313	2829.385441653274	71.15050685861383
560	254	195180	-2007.141327	965977.3170250766	-00.27285196252037	-00.8056347	344732.976736261	4376917.727600806	3004.232777	2872.4818972158287	2804.78072240043	2827.504746532091	67.71017478
561	254	195181	-1341.141327	965977.3170250766	-00.27285207690363	-00.8041962	344933.9954120255	4376909.70803647	3004.945562176177	2868.364964826533	2806.364964826533	2825.735272468125	67.71017478
562	254	195182	-1181.1413269	965977.3170250766	-00.27285214611237	-00.8018578	345134.9920806387	4376907.6872814	3005.634343637122	2869.2572005057682	2808.09781669739	2823.267246525987	61.15933430203233
563	254	195183	-111.1413269	965977.3170250766	-00.27285217014964	-00.7995193	345335.9932800705	4376905.91861143	3004.518457273985	2869.6776442098726	2808.948923013113	2822.5154817	61.15933430203233
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568	254	195188	3278.85867303514	965977.3170250766	-00.2728516712700836	-00.787827	346340.9747479724	4376881.575738534	2890.0839618615	2860.092158899505	2804.687541912768	2812.764350594772	56.4046357673658
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574	254	195194	7238.85867303514	965977.3170250766	-00.272849485	-00.7739762	347546.9511233712	4376857.47676692	2951.548882146668	2795.27286127033	2805.802469913584	2806.2760287627474	47.7486351484681
575	254	195195	7898.85867303514	965977.3170250766	-00.27284893	-00.7714578	347747.9467945754	4376845.45138141	2941.789545233527	2850.1661782088207	2794.4238435108384	2801.819782088265	55.74233478042784
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584	254	195204	13838.85867303514	965977.3170250766	-00.2728424209845	-00.7504716	349572.9178944874	4376817.3784448	2934.527199774874	2837.96210251224	2788.062331011205	2788.734022010493	48.7837696390027
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593	254	195213	19778.85867303514	965977.3170250766	-00.2728318504241	-00.7293655	351365.84870406	4376781.1954	2911.144230342262	2823.6458776192017	2758.21797067062	2759.402730805015	64.2421461981875
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596	254	195216	21738.85867303514	965977.3170250766	-00.27282762030969	-00.7223501	351968.8206234975	4376779.124791915	2899.6327519400414	2818.97327485733	2748.30516505831	2746.665118045477	67.26205680351386
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600	254	195220	24398.85867303514	965977.3170250766	-00.2728213	-00.7129963	352772.7886950276	4376753.112941508	2872.3861171117044	2812.598734211104	2735.2284066111306	2735.273759040633	72.2211340487011
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602	254	195222	25718.85867303514	96									

ix	iy	x	Y.R	Y.R	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRIElevLogKrg	BRIElevLogKrg	SatHtLogKrg	SatHtLogKrg
681	264	196301	7878.85867307335	1965977	31.70250766	36.527537839683278	-005.235818	3696052.68281776103	4736248.911399162	2790.0018144837623	2597.7454114251345	2597.663754	73.03336932107777
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696	264	196316	8778.85867307335	1965977	31.70250766	36.52745281870335	-004.885052	372067.384219586	4736369.027051432	2760.425896004078	2550.553111983417	2571.104587075254	75.7513537164687
697	264	196317	8841.85867307335	1965977	31.70250766	36.5274467886911	-004.861668	372268.363424115	4736365.036	2756.845180326059	2549.30318969387	2570.780808978668	75.71042522911418
698	264	196318	8907.85867307335	1965977	31.70250766	36.52744071420316	-004.838284	372469.3425047147	4736371.046	2756.87461	2548.0635738551423	2570.40984169608	75.70383968546727
699	264	196319	8978.85867307335	1965977	31.70250766	36.5274354454336	-004.814899	372670.32147107867	4736357.055910406	2756.6445527395	2548.83886808976	2569.28149805490	75.6682373650778
700	264	196320	9038.85867307335	1965977	31.70250766	36.52742843	-004.791515	372871.30017170444	4736353.060	2757.94562857239	2546.6129370818785	2568.43569053728	75.7135623810047
701	264	196321	9105.85867307335	1965977	31.70250766	36.52742222	-004.768131	373072.2788047978	4736349.467021051	2759.324579479156	2544.398932604516	2567.78899594515	75.66997305744663
702	264	196322	9171.85867307335	1965977	31.70250766	36.52741562254	-004.744746	373273.2571556677	4736345.06867807	2760.6549709596	2543.18920452995	2567.08989678594	75.69421738331026
703	264	196323	9238.85867307335	1965977	31.70250766	36.527408416823	-004.720947	373469.2357072145	4736341.15892234	2761.92118470483	2541.92118470483	2565.93258448527	75.737492944737
704	264	196324	9308.85867307335	1965977	31.70250766	36.52740332	-004.697578	373675.213678473	4736337.105205308	2758.65213257245	2540.772354	2545.65213257245	75.65483345681773
705	264	196325	9369.85867307335	1965977	31.70250766	36.5273967938746	-004.674593	373876.19212597034	4736331.19354896	2756.93324807722	2539.55196447206	2562.70337195618	75.6287992519039
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713	264	196333	9897.85867307335	1965977	31.70250766	36.52734417607738	-004.487519	375484.01299726346	4736301.21582193	2743.646751605861	2527.5969202395486	2547.393131	75.6749306780729
714	264	196334	9963.85867307335	1965977	31.70250766	36.5273373813804	-004.464135	375684.99009414475	4736297.35248438173	2742.355248438173	2525.730236787524	2545.990113042504	75.6749306780729
715	264	196335	10026.85867307335	1965977	31.70250766	36.52733035637668	-004.440475	375885.96702237131	4736294.22059858	2741.034358750443	2523.841140352405	2544.726942665544	75.6749306780729
716	264	196336	10092.85867307335	1965977	31.70250766	36.5273246762329	-004.417478	376089.93291289447	4736289.254792372	2732.71128470483	2521.94173737835	2543.93258448527	75.6749306780729
717	264	196337	10161.85867307335	1965977	31.70250766	36.52731615787614	-004.394978	376287.9206735844	4736284.29171213	2735.6730677005	2519.999043789944	2542.910371942367	75.6749306780729
718	264	196338	10227.85867307335	1965977	31.70250766	36.52730973802111	-004.370598	376488.89727027167	4736278.283001397	2734.07726661304	2518.07159	2542.34994354966	75.6749306780729
719	264	196339	10293.85867307335	1965977	31.70250766	36.52730271489014	-004.347213	376689.8752757359	4736271.297073058	2732.557450475487	2516.148284720636	2542.0037934366	75.6749306780729
720	264	196340	10358.85867307335	1965977	31.70250766	36.5272954658578	-004.323829	376890.8501	4736267.731357544	2731.961074024632	2514.2300253718504	2541.59591408388	75.6749306780729
721	264	196341	10428.85867307335	1965977	31.70250766	36.52728853107956	-004.300045	377189.8263613732	4736263.95834875	2730.7236877318	2512.37190277027	2541.146181	75.6749306780729
722	264	196342	10498.85867307335	1965977	31.70250766	36.527281344575	-004.277761	377292.802489731	4736259.30661333	2730.616810312253	2511.041451819704	2540.709324265544	75.6749306780729
723	264	196343	10568.85867307335	1965977	31.70250766	36.5272746762329	-004.254292	377395.9206735844	4736254.29171213	2730.56730677005	2510.999043789944	2540.709324265544	75.6749306780729
724	264	196344	10638.85867307335	1965977	31.70250766	36.52726921611578	-004.231773	377498.753951754	4736250.37100571	2730.4358750443	2510.871467580436	2540.709324265544	75.6749306780729
725	264	196345	10698.85867307335	1965977	31.70250766	36.52726279462875	-004.20808	377595.701736859	4736245.389562045	2730.30677194471235	2539.4743065001277	2541.015026165	75.6749306780729
726	264	196346	10758.85867307335	1965977	31.70250766	36.527252881191	-004.183524	378096.700536207	4736240.45115695	2728.57018323730	2538.004847127084	2539.004847127084	75.6749306780729
727	264	196347	10828.85867307335	1965977	31.70250766	36.52724493600191	-004.16014	378297.6813806456	4736235.41727893	2727.618725874907	2536.87650217548	2538.811842	75.6749306780729
728	264	196348	10898.85867307335	1965977	31.70250766	36.52723737390885	-004.13675	378498.5801004524	4736230.4327963	2726.525484236807	2535.92316151509	2537.954501878758	75.6749306780729
729	264	196349	10968.85867307335	1965977	31.70250766	36.52723035637668	-004.113371	378699.93291289447	4736225.4792372	2725.4358750443	2534.7891932271685	2537.954501878758	75.6749306780729
730	264	196350	11038.85867307335	1965977	31.70250766	36.5272247700532	-004.089897	378900.8072171354	4736220.354551512	2724.313736722	2533.74405773629	2536.93258448527	75.6749306780729
731	264	196351	11088.8										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
67	265	19427	-327381.1413	966637.3170250766	39.52401070860474	-101.9569564	245622.88345024333	37919.122811157205	3795.9119142051322	35.726.218984514631	3478.3223109198043	3474.387615105942	97.89667359482655	101.83136940868872
68	265	19428	-326721.1413	966637.3170250766	39.52412996962457	-101.9570273	245623.97891213965	37919.186852371315	3793.8768152601564	35.74148482521938	3475.804659209254	3472.0953814014346	98.01191908235984	101.7170680759017
69	265	19429	-326661.1413	966637.3170250766	39.5242515238	-101.9570273	245625.07812240652	37919.145897144535	3791.841763205918	35.753.4032331414323	3473.2011103364623	3471.4584847117	101.204833849431533	101.70680849431533
70	265	19430	-325401.1413	966637.3170250766	39.524174622769166	-101.9523509	245626.17208150344	37919.103867734018	3789.8066173840733	35.751.965768674334	3470.611914317934	3468.054955454543	101.37305449580046	101.7167137097979
71	265	19431	-324741.1413	966637.3170250766	39.524219687149381	-101.9500128	245627.2677894512	37919.03673041259	3789.678845150027	35.760.560824312176	3468.2830156489413	3464.5093045462323	102.2778077623347	106.0515198594375
72	265	19432	-324081.1413	966637.3170250766	39.52421907505335	-101.9476746	245628.36236424544	37919.013680732	3789.457717155564	35.769.1362544229636	3466.4691959997676	3462.97433587038	102.6670542320196	106.1619185266312
73	265	19433	-323241.1413	966637.3170250766	39.52421423344767	-101.9453364	245629.4584527482	37909.0386653766	3793.238151	35.667.713070779538	3464.238624306025	3462.37133913487	103.42444647891762	105.5845647891762
74	265	19434	-322761.1413	966637.3170250766	39.52426346687754	-101.9429983	245630.53530850508	37909.034029713	3796.071741166633	35.669.291877142496	3462.438627331567	3460.7294156160438	103.55646730982891	105.5624617664232
75	265	19435	-322101.1413	966637.3170250766	39.524265147515146	-101.9466691	245631.64821420625	37909.029081261	3793.894811539815	35.674.31268	3460.8442537624598	3459.32890046645	104.0207141100104	101.24246734625234
76	265	19436	-321441.1413	966637.3170250766	39.52430743756505	-101.9383219	245632.7426691114	3790.5656160161	3789.862321856748	35.683.4509923601	3459.6796808281753	3457.914703639172	103.7713115914277	105.53628674712922
77	265	19437	-320781.1413	966637.3170250766	39.524329415383185	-101.9359837	247733.83674335432	37908.56136396	3785.8436548314567	35.682.301404133506	3458.3522311495917	3456.695810514173	103.766729839141	105.5363461183385
78	265	19438	-320121.1413	966637.3170250766	39.52435134795093	-101.9336456	247834.3903807621	37907.734789966	3781.8180764717307	35.680.140925451024	3456.979195198155	3455.4805762520581	103.63489734704626	105.1351992011984
79	265	19439	-319461.1413	966637.3170250766	39.52437323535324	-101.9313074	248036.0245371585	37907.73134	3778.246951747397	35.59.3594160730734	3455.6429400551582	3454.3856746237407	103.55292566791513	104.80973964933264
80	265	19440	-318801.1413	966637.3170250766	39.524395077990336	-101.9289692	248237.1179942662	37906.919109685	3775.1302602604585	35.567.7761714971193	3454.341593987795	3453.386124022523	104.435475903243	104.35950490549705
81	265	19441	-318141.1413	966637.3170250766	39.524416874661334	-101.9268631	248438.2120237176	37905.067914962	3772.01306909099	35.566.371336703953	3453.0389429995594	3452.160173737687	103.3181967083597	104.1917023662685
82	265	19442	-317481.1413	966637.3170250766	39.5244386256707	-101.9242828	248639.30416151477	37900.945	3768.896933807003	35.54.039073240395	3451.719573115748	3450.910818180204	103.2195007029143	104.0226376301913
83	265	19443	-316821.1413	966637.3170250766	39.5244603330717	-101.921847	248840.3686720626	37905.622975541	3768.01821229669	35.53.52276039521	3450.379683587494	3450.536170417649	103.1430668591732	102.968589775723
84	265	19444	-316161.1413	966637.3170250766	39.5244819488164	-101.9196165	249041.4893341716	37904.836960494	3760.37431251454	35.52.108960785573	3449.017905	3448.745235598	103.09105574007299	103.450152499638
85	265	19445	-315501.1413	966637.3170250766	39.52450361	-101.9172783	249242.5815840344	37904.875666948	3755.73665	35.49.688440507035	3447.576106617938	3446.5704929947	103.1223374276556	104.12766005598674
86	265	19446	-314841.1413	966637.3170250766	39.52452518253345	-101.9149401	249443.673338843	37904.8565616193	3751.095899165246	35.45.2919843121736	3446.1292720551907	3445.12325198204	103.0712720568285	103.870350001391
87	265	19447	-314181.1413	966637.3170250766	39.524546470861073	-101.9126019	249644.7652319047	37904.03330861	3746.65130646389365	35.447.8903646389365	3444.8358397767324	3444.275149593243	103.0542648166587	103.75152254540882
88	265	19448	-313521.1413	966637.3170250766	39.524568195922185	-101.9102637	249845.8650270005	37900.212267361	3742.014895567108	35.446.494237162263	3443.76243043558	3443.411863979363	102.718406726522	103.0823789693996
89	265	19449	-312861.1413	966637.3170250766	39.524589141	-101.9078255	2500.47329081114	37900.212267361	3738.1338391983557	35.443.328397393557	3442.7339824235174	3442.336407779584	102.6949170306322	103.89494710306322
90	265	19450	-312201.1413	966637.3170250766	39.52461101584746	-101.9055873	250248.0389018006	37902.96752115	3733.90517075967	35.434.717017	3444.197191916901	3444.5870954964774	103.9196253750528	109.1254078
91	265	19451	-311541.1413	966637.3170250766	39.52463263216121	-101.9032491	250449.1296296488	37902.834820534	3730.53113693631	35.42.3372173344424	3443.122416415503	3443.57068745014	102.9148009183365	97.96652898
92	265	19452	-310881.1413	966637.3170250766	39.52465361509014	-101.9009109	250650.2201118542	379019.72810351	3728.052658738224	35.404.964410377956	3441.082396480251	3441.542126922580	102.91138971439	99.4272845338524
93	265	19453	-310221.1413	966637.3170250766	39.524674916590754	-101.8985727	250851.3103472945	37905.670680529	3725.756704084285	35.39.990630109933	3439.37692231252	3439.810646765577	100.2281707868123	92.884243435611
94	265	19454	-309561.1413	966637.3170250766	39.52469612650044	-101.8962345	251052.40032618134	37901.487328446	3723.0817493242746	35.38.2419814847735	3437.69982631446	3437.69982631446	100.33357701912227	100.54999883435508
95	265	19455	-308901.1413	966637.3170250766	39.52471729125603	-101.8938863	251253.49007913815	37900.738276573	3720.0964475003	35.38.893573784847	3436.894151676485	3436.894151676485	100.789715	100.789715
96	265	19456	-308241.1413	966637.3170250766	39.524737481193475	-101.8915625	251467.37402094	37900.212267361	3717.61177176354	35.38.2419814847735	3435.819256143096	3434.619256143096	100.933071709045	100.14454340881535
97	265	19457	-307581.1413	966637.3170250766	39.524759485256745	-101.8892198	251655.66882711765	37899.917291435	3713.1269150777052	35.374.216623475414	3433.137054008057	3433.806327	101.0789178173569	100.41029609317
98	265	19458	-306921.1413	966637.3170250766	39.524780514557796	-101.8868817	251856.753257373	37899.00838017	3709.64287258157342	35.37.882758157342	3431.440720368296	3432.117479684586	101.44656577890404	100.76806102777766
99	265	19459	-306261.1413	966637.3170250766	39.524801488592506	-101.8845435	252057.8466	37899.889186058	3706.32478104737	35.371.5649213176634	3429.6933376160027	3430.444433984773	101.87158370166071	101.120471391862
100	265	19460	-305601.1413	966637.3170250766	39.52482234751103	-101.8822053	252258.351079364	37898.77029135	3703.1738325224549	35.350.25016774984	3427.8830781926777	3428.5484394844792	102.36308593084	101.7015727206586
101	265	19461	-304941.1413	966637.3170250766	39.52484331263156	-101.8798671	252460.3237885543	37898.651448381	3702.002386407007	35.348.3301006875	3425.804010086725	3425.804010086725	102.75949427178556	102.75949427178556
102	265	19462	-304281.1413	966637.3170250766	39.52486431	-101.8775298	252661.1140344052	37898.2016181473	3698.87274055477	35.327.641734016827	3422.61468909274	3422.61468909274	102.923450777598	102.923450777598
103	265	19463	-303621.1413	966637.3170250766	39.524884932621	-101.8751907	252862.198429994	37897.4141581348	3693.962136414308	35.326.36392	3420.78672696024	3420.6543892014	103.0569940240564	105.699307742611
104	265	19464	-302961.1413	966637.3170250766	39.52490541751207	-101.8728525	253063.287026334	37897.02647058	3691.29147173056	35.325.0730291371	3416.8474633361807	3416.60596487551	102.22865344302	106.409723635097
105	265	19465	-302301.1413	966637.3170250766	39.52492645	-101.8705143	253264.3041325474	37896.776881904	3688.620189197228	35.323.798410317026	3415.0754511470805	3415.0754511470805	102.7229951699453	108.0310174145261
106	265	19466	-301641.1413	966637.3170250766	39.5249471225272	-101.8681761	253465.461017661	37896.00345089	3685.9501472251804	35.322.538301928747	3414.721648486696	3416.7067575861467	102.8166538205038	103.815443428922
107	265	19467	-300981.1413	966637.3170250766	39.52496747528043	-101.8658378	253666.547666571	37895.97943708	3683.795647040393	35.321.88322542977183	3414.197439711876	3417.389948909529	102.9020187495283	103.8992193381184
108	265	19468	-300321.1413	966637.3170250766	39.52498822867042	-101.8634996	253867.6347478122	37895.826211212	3688.157401800675	35.320.050071810045	3413.4848716956553	3413.4848716956553	102.9552259002029	102.751432116903
109	265	19469	-299661.1413	966637.3170250766	39.52499135268024	-101.8611674	254067.7291909044	37895.691981845	3686.97491790879	35.319.7241968279	3412.61468909274	3412.61468909274	102.923450777598	102.923450777598
110	265	19470	-299001.1413	966637.3170250766	39.52500293454016	-101.8585232	254299.8082030356	37895.45232982	3682.8905374162937	35.317.59715300474	3411.58811633573	3411.667182650114	103.0036	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKgr.ft	BRrElevBothKgr.ft	SatHtElevLog.ft	SatHtBoth.ft
193	265	195553	-242221.1413	966637.3170250766	39.52657232973795	-101.6647466	270959.12418513594	43789604.653263527	3548.3566931622463	3413.1545458798153	3257.642948402738	3256.4832562516713	35.51160117277258	156.6706724814405
194	265	195554	-243561.1413	966637.3170250766	39.52658092285621	-101.6624083	2711.1601.95051372	43789605.505226689	3548.441845253183	3412.0457291708939	3256.712550100888	3256.1282940622616	155.3074991820625	153.9210047154724
195	265	195555	-242901.1413	966637.3170250766	39.526576508472	-101.66007	2713.161.2367414623	43789606.738502756	3550.4191154899327	3410.941186	3256.08540271628	3255.958546133674	154.885445133674	151.2911123863026
196	265	195556	-242421.1413	966637.3170250766	39.52662273538438	-101.6577317	2715.62.326814564	43789607.3582	3551.288503868974	3409.8379101003384	3255.6956750561483	3262.758699096743	154.1203905515412	147.0532310057405
197	265	195557	-241581.1413	966637.3170250766	39.5266383119243	-101.6553933	2717.63.3883962945	43789608.2654293	3552.1578922488543	3408.728325243181	3255.679011371329	3262.860671861715	153.0493187185206	141.1997180570097
198	265	195558	-240921.1413	966637.3170250766	39.52663534363154	-101.653055	2719.64.45388115964	43789614.162813073	3553.1027614512784	3405.6126714512784	3255.982016734187	3247.5958434477251	151.6305647170916	133.01482620305093
199	265	195559	-240126.1413	966637.3170250766	39.526671810900815	-101.6507167	2721.65.5191152659	43789610.05301446	3555.596981473998	3406.48785430781918	3256.4730688239577	3279.87018271941	150.371168682405	126.54916715886793
200	265	195560	-239601.1413	966637.3170250766	39.5266823300017	-101.6483784	2723.66.5841918213	4378957.968005362	3558.966955594348	3405.3011986958954	3256.445662803897	3273.90378051456	150.0871158119467	129.5492081813816
201	265	195561	-238941.1413	966637.3170250766	39.52670460992961	-101.64604	2725.67.649082298	43789514.787025714	3560.4191154899327	3404.204857	3255.0178517884205	3270.12508161612	151.185215689784862	131.6747897784862
202	265	195562	-238281.1413	966637.3170250766	39.526720941597185	-101.6437017	2727.68.7137004653	4378957.77400453	3568.407225593598	3403.048704969126	3250.9807468300193	3265.5502778452067	152.067913138332	137.4327131270595
203	265	195563	-237621.1413	966637.3170250766	39.526737228665	-101.6413634	2729.69.780681816	4378953.67413566	3569.05750521136	3401.883922	3249.070882260625	3261.021828146843	153.05305733553	136.8717388234959
204	265	195564	-236961.1413	966637.3170250766	39.52675346970509	-101.6390251	2731.70.8242125848	4378559.58083629	3563.085811208957	3400.790386820537	3247.4188719093036	3261.4685102504964	153.2905149112339	139.0630217950411
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206	265	195566	-235641.1413	966637.3170250766	39.526781703476	-101.6343844	273572.9698310317	4378551.38771704	3573.15150672	3398.34854141462	3244.7046440438957	3260.75950585849	153.63021010250496	137.4588935561303
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209	265	195569	-233661.1413	966637.3170250766	39.52683399251858	-101.6273334	274176.1595858547	4378539.102072721	3527.413024819373	3394.714824021028	3240.8856821364575	3260.301896175628	153.82914184570262	132.41292710436534
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215	265	195575	-229701.1413	966637.3170250766	39.5269297139576	-101.6130943	275383.454303142	4378513.543403142	3489.54195156286	3387.47422223697	3237.47422223697	3261.58814489893	149.7262144489893	117.351819453133
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230	265	195590	-219801.1413	966637.3170250766	39.527159891833456	-101.5782821	278398.4321179134	4378453.15	3471.9143243732727	3362.249361145693	3236.5816854068157	3237.771121	125.6652507707258	124.4781525519824
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236	265	195596	-215841.1413	966637.3170250766	39.5272484545294	-101.564379	279604.77367409	4378428.609432079	3418.830515054656	3351.3313931208	3214.31			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogsKt	BR/ElevBothKt	SatThvKt	SatThvBoth.ft
320	265	196679	-161061.1413	966637.3170250766	39.52831994143794	-101.37011078	996291.7802963896	4780809.93289868	3183.622267988717	312.7314241716062	3126.653711505888	3127.264879786188	87.09771262	86.48654159451845
320	265	196680	-160401.1413	966637.3170250766	39.52830309245473	-101.36777214	996462.8191	478085.8671048983	3383.682227715658	312.513524806444	3123.918001957036	3124.881964213378	88.59652459435025	87.62572384910712
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322	265	196683	-158421.1413	966637.3170250766	39.52838367643054	-101.3607511	997095.9374541443	478083.768724373	3382.801763666926	3382.8339965078603	3116.8754371638397	3118.2804077834476	91.96585993442061	90.55394872441275
324	265	196684	-157161.1413	966637.3170250766	39.528373447245885	-101.3584186	997296.9762544922	478083.978521085	3382.637376818303	3207.613163864535	3115.2904717632243	3115.4940112071795	92.32686421101	92.11915237161683
325	265	196685	-157101.1413	966637.3170250766	39.52838527288806	-101.3568082	997498.018328113	478085.57050409	3384.473142917968	3208.38695891399	3113.60417455334	3112.4102325827154	92.78542113593462	93.88566080595335
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329	265	196688	-155121.1413	966637.3170250766	39.5284173287735	-101.3490489	998101.1294246942	478085.23841912	3383.783771712657	3202.677611230655	3108.424296771837	3105.796572150347	93.243587752629	96.8905428
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330	265	196690	-153801.1413	966637.3170250766	39.528438473500756	-101.344388	998503.2045264626	478084.516	3381.19189633294	3204.162096530823	3107.359279283298	3101.366268033552	92.8040393697842	96.79794161953032
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335	265	196695	-150501.1413	966637.3170250766	39.528490544798315	-101.3326958	999508.39	478082.81476534	3375.402128421263	3193.761490338973	3089.79587595214	3088.983155840092	93.96561079875892	94.7783309788109
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341	265	196701	-146541.1413	966637.3170250766	39.5285161909844	-101.2892631	300329.046572098	477947.54292184	3377.17221350126	3189.3491637543	3095.452812977433	3095.452812977433	96.8267819898	96.8267819898
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347	265	196707	-142681.1413	966637.3170250766	39.5286109419887	-101.3046234	301820.81498724254	477978.013964592	3358.1096531764515	3177.77716747103	3087.45143714543	3084.6868472133	93.3257296	93.3257296
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354	265	196714	-137961.1413	966637.3170250766	39.5286171409844	-101.2892631	303239.046572098	477947.54292184	3337.17221350126	3169.3491637543	3095.452812977433	3095.452812977433	96.8267819898	96.8267819898
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356	265	196716	-136641.1413	966637.3170250766	39.528616991180056	-101.2835893	303370.138116709	477939.435	3333.1074397506105	3166.438076371645	3075.101862004625	3064.880351515784	91.3365455670202	91.3365455670202
357	265	196717	-135981.1413	966637.3170250766	39.528617062148906	-101.2812499	303381.1461504739	477935.372054183	3331.5775750571	3165.25893765582	3073.963188664518	3073.963188664518	93.7265406367321	93.7265406367321
358	265	196718	-135321.1413	966637.3170250766	39.528617552680756	-101.2789114	304312.1783	477931.308859897	3330.051407025512	3164.095838261851	3072.814734408898	3068.2825246142857	91.2815085295327	91.2815085295327
359	265	196719	-134681.1413	966637.3170250766	39.52861746655031	-101.276573	303323.0120520701	477927.245880102	3328.9895513191	3162.9468098878775	3071.614824162217	3071.614824162217	93.3127491666073	93.3127491666073
360	265	196720	-134001.1413	966637.3170250766	39.528733911115926	-101.2742345	304354.24201534747	477923.183117224	3326.1229352069518	3160.8178995556	3070.69003678489	3069.869314044334	91.1935751107109	91.1935751107109
361	265	196721	-133341.1413	966637.3170250766	39.5287340619887	-101.272578	304768.074824254	477918.791243897	3325.1893147243897	3159.89314719243897	3069.869314044334	3069.869314044334	93.3257296	93.3257296
362	265	196722	-132681.1413	966637.3170250766	39.5287321115926	-101.2695576	304936.3046755819	477915.053254299	3326.56104561016	3159.5357131103	3065.120809630714	3065.120809630714	94.41545103349628	94.41545103349628
363	265	196723	-132021.1413	966637.3170250766	39.528761273782834	-101.2672191	305137.33615749685	477910.99617035	3325.381493474322	31				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEvLogKgr.ft	BRIEvBothKgr.ft	SatThLogKgr.ft	SatThBothKgr.ft	
445	265	196805	-77901.14133	966637	31.70250766	39.529350387425126	-01.0754637	321261.2631256174	3775.7863903939	3208.976127507176	3204.341631640465	2960.8719826850434	2959.1048170543972	81.46396487903002	83.22934810964921
446	265	196806	-77241.14133	966637	31.70250766	39.52935069696705	-01.0731252	318222.2786657109	3775.7459622899	3202.1105844867894	3034.41822505234	2959.2417776632654	2957.300747330176633	81.40140561	83.74243031076603
447	265	196807	-76881.14133	966637	31.70250766	39.52936093373989	-01.0707667	322623.2644811302	3775.7044558302	3208.267439905627	3032.371747104177	2957.503433627117	2955.5434913985434	82.72032357	84.5296472865828
448	265	196808	-75921.14133	966637	31.70250766	39.52936618	-01.0684242	322224.3115110263	3775.69139634555	3201.41683905305	3038.517942313507	2955.8230178337227	2953.792464	82.6940244620212	84.7254778996161
449	265	196809	-75261.14133	966637	31.70250766	39.52937315642241	-01.0661097	322425.3268360596	3775.6755248054937	3197.552123826444	3037.268945826405	2954.0134844401045	2952.2211929676614	83.25466148630065	85.0747295674379
450	265	196810	-74601.14133	966637	31.70250766	39.52937636438405	-01.0637172	322626.3240340722	3775.64145621301	3188.5903573981834	3036.020453	2952.1230459622818	2950.8698281444838	83.82964056730812	85.1506244982162
451	265	196811	-73941.14133	966637	31.70250766	39.52938157	-01.0614327	322827.3572296316	3775.65471407867	3188.590328214276	3034.7674740397646	2950.128612739521	2950.2991477533225	84.63886157024353	84.46832677632411
452	265	196812	-73281.14133	966637	31.70250766	39.52938650626205	-01.0590942	323028.37224348995	3775.62032480528	3185.204136922368	3034.707443492748	2948.0819345272203	2948.0819345272203	85.425003	83.41274034903964
453	265	196813	-72621.14133	966637	31.70250766	39.52938159901841	-01.0567557	323268.37224348995	3775.62032480528	3185.204136922368	3034.707443492748	2948.0819345272203	2948.0819345272203	85.425003	83.41274034903964
454	265	196814	-71961.14133	966637	31.70250766	39.52939654177965	-01.0544172	323450.4017532723	3775.6243052377	3176.4319411254187	3029.8675582020895	2943.7673394737098	2944.423680219483	87.18021754637979	85.5471872960637
455	265	196815	-71301.14133	966637	31.70250766	39.52940145	-01.0520787	323631.41620591643	3775.62039069079	3172.596071558879	3028.8812281648054	2941.397967818456	2941.4629327486765	88.2832065	88.2829541359091
456	265	196816	-70641.14133	966637	31.70250766	39.5294063797665	-01.0497402	323832.40357602807	3775.61458552407	3169.318283841265	3028.8812281648054	2938.5645230742219	2938.2437610380975	89.0172957689764	90.13806734521904
457	265	196817	-69981.14133	966637	31.70250766	39.52941112061249	-01.0474017	324033.4447298641	3775.6111626753	3166.024789809104	3027.069492929313	2936.007975864167	2936.007975864167	90.6157128514624	92.75074401379061
458	265	196818	-69321.14133	966637	31.70250766	39.529415888073125	-01.0450632	324234.45871143707	3775.62047913988	3162.73914785937	3025.744231716226	2933.1926782470517	2933.05986036493	92.549788917418	95.38254567973263
459	265	196819	-68681.14133	966637	31.70250766	39.5294201030955	-01.0427247	324435.47622027014	3775.62233410333	3159.68983899942	3025.744231716226	2930.681253569525	2930.301328268314	93.7819893	94.09812423595713
460	265	196820	-68041.14133	966637	31.70250766	39.52942526747124	-01.0403862	324636.4862617251	3775.617992128765	3156.903578170385	3023.0439671687917	2928.65277131841546	2928.65277131841546	94.30098057463704	97.074811459909
461	265	196821	-67431.14133	966637	31.70250766	39.5294291940634	-01.0380477	324837.49307625787	3775.61058108878	3151.108710487135	3021.6802394917217	2928.235682945867	2929.9673565752423	94.8333320713501	97.0130391647838
462	265	196822	-66681.14133	966637	31.70250766	39.52943450616625	-01.0357092	325053.5130268877	3775.61058108878	3151.108710487135	3020.33046262041	2928.7868613781843	2928.7868613781843	95.1234846821694	97.918939232819334
463	265	196823	-66021.14133	966637	31.70250766	39.52943904750955	-01.0333707	325239.5261564097	3775.61058108878	3148.0124077867564	3018.9341924517603	2928.190088109048	2928.190088109048	96.8158737605835	98.568973078538
464	265	196824	-65361.14133	966637	31.70250766	39.52944354414068	-01.0310322	325440.35911389294	3775.61058108878	3147.023862485075	3017.5525874280875	2929.4246473593803	2929.900535784773	97.1047006870718	87.652334861019
465	265	196825	-64701.14133	966637	31.70250766	39.5294479534761	-01.0288937	325641.551901352	3775.61058108878	3146.071877847065	3016.166150023723	2928.9336804343546	2929.030316024254	97.23246987891843	86.563130885809
466	265	196826	-64041.14133	966637	31.70250766	39.5294524	-01.026352	325845.5654189893	3775.61058108878	3136.5874918836718	3014.71625400176	2928.57581610187	2928.57581610187	98.0250426042923	88.058624456276
467	265	196827	-63381.14133	966637	31.70250766	39.52945692376781	-01.0240167	326046.7234977567	3775.61058108878	3135.087101156285	3013.21145114786	2928.1676296844728	2928.1676296844728	99.3165454502945	79.795337727546
468	265	196828	-62721.14133	966637	31.70250766	39.52946107804619	-01.0216782	326244.5892546157	3775.61058108878	3126.433648701303	3011.992758272215	2927.5772754650384	2925.387236405914	94.814282	86.690344657122
469	265	196829	-62061.14133	966637	31.70250766	39.52946535	-01.0193396	326445.605302316	3775.61058108878	3115.63048781093	3010.62601556245	2926.532205903924	2924.406029139419	94.0880561	86.1942321682625
470	265	196830	-61401.14133	966637	31.70250766	39.52946957383756	-01.0170011	326646.613295472	3775.61058108878	3111.61339717608	3009.20754713434	2924.95385900808	2923.5201874092633	94.2137150435266	85.6873870507135
471	265	196831	-60741.14133	966637	31.70250766	39.52947315412035	-01.0146626	326847.6250670389	3775.61058108878	3107.815943177612	3007.815943177612	2923.520251269606	2922.338648099885	94.2842814850012	85.4758714022208
472	265	196832	-60081.14133	966637	31.70250766	39.52947789917288	-01.0123241	327048.3676067009	3775.61058108878	3107.02929403128	3006.419842259934	2921.963434003364	2921.963434003364	94.4564081666983	84.814309
473	265	196833	-59421.14133	966637	31.70250766	39.52948148147908	-01.0098956	327249.5481047908	3775.61058108878	3106.217551298885	3005.419842259934	2920.417348452065	2920.417348452065	95.1818431469122	85.2688133845597
474	265	196834	-58761.14133	966637	31.70250766	39.529485923217025	-01.0074471	327450.65997113	3775.61058108878	3105.4743655135	3004.624988595974	2919.1815509	2919.1815509	95.81463091198966	84.80913913759
475	265	196835	-58101.14133	966637	31.70250766	39.5294900230986	-01.0053086	327651.670469551	3775.61058108878	3105.573637100334	3002.2254543588137	2919.269664278828	2918.797820601337	95.82584974	83.4273637644701
476	265	196836	-57441.14133	966637	31.70250766	39.529493977404975	-01.0029701	327852.68140043802	3775.61058108878	3102.25136776251	3000.8247695409633	2918.951523	2918.2459783498557	96.8257882110170764	82.57882110170764
477	265	196837	-56781.14133	966637	31.70250766	39.52949788653985	-01.0006316	328053.6927163544	3775.61058108878	3100.930635048673	2999.422560343653	2918.46453915567	2917.473182901962	96.8056102807832	81.98474714168333
478	265	196838	-56121.14133	966637	31.70250766	39.52950170491676	-0.9982931	328254.70793553	3775.61058108878	3100.61933232827	2997.07883353822	2917.7999035452727	2916.65761794993	90.21797980543281	81.3600145943281
479	265	196839	-55461.14133	966637	31.70250766	39.5295056927263	-0.9959546	328455.7131881896	3775.61058108878	3100.61933232827	2996.609287477304	2916.65761794993	2916.65761794993	90.21797980543281	81.3600145943281
480	265	196840	-54801.14133	966637	31.70250766	39.529509624287056	-0.9936161	328656.7234977567	3775.61058108878	3100.61933232827	2995.7184114786	2915.676296844728	2915.676296844728	90.21797980543281	81.3600145943281
481	265	196841	-54141.14133	966637	31.70250766	39.52951370130671	-0.9912776	328857.73545471603	3775.61058108878	3100.61933232827	2994.76752779848	2914.844204773082	2914.844204773082	90.21797980543281	81.3600145943281
482	265	196842	-53481.14133	966637	31.70250766	39.52951764561044	-0.9889391	329058.7437431643	3775.61058108878	3100.61933232827	2993.72120586195	2913.92169180807	2913.92169180807	90.21797980543281	81.3600145943281
483	265	196843	-52821.14133	966637	31.70250766	39.5295213026399	-0.9866005	329259.7532	3775.61058108878	3100.61933232827	2992.77580283044	2912.803834116805	2912.803834116805	90.21797980543281	81.3600145943281
484	265	196844	-52161.14133	966637	31.70250766	39.52952585543584	-0.984262	329460.72638128624	3775.61058108878	3100.61933232827	2991.8112824749	2911.9209048503467	2911.9209048503467	90.21797980543281	81.3600145943281
485	265	196845	-51501.14133	966637	31.70250766	39.52952973	-0.9819338	329661.72261371915	3775.61058108878	3100.61933232827	2990.86349385547	2910.9970920347112	2910.9970920347112	90.21797980543281	81.3600145943281
486	265	196846	-50841.14133	966637	31.70250766	39.52953105824625	-0.9797985	329862.7815254795	3775.61058108878	3100.61933232827	2989.93502342169	2910.356957170436	2910.356957170436	90.21797980543281	81.3600145943281
487	265	196847	-50181.14133	966637	31.70250766	39.52953498322884	-0.9776699	329963.79054011	3775.61058108878	3100.61933232827	2989.008174582638	2909.4239174582638	2909.4239174582638	90.21797980543281	81.3600145943281
488	265	196848	-49521.14133	966637	31.70250766	39.5295379054015	-0.9754948	330064.799581591							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevKgr.ft	BRElevBothKgr.ft	SatHtKgr.ft	SatHtBothKgr.ft
572	265	199392	5918.85867730351	966637.3170250766	35.29663632628023	-100.7808112	449747.98523050056	437770.74023927	2798.669742056533	2855.4939155233014	2798.7515096368618	2809.356805431287	56.7424068861985	46.13711009201461
573	265	199393	5918.85867730351	966637.3170250766	35.2966325373435	-100.7784726	347148.911025438	437706.722913332	2971.459654326874	2854.057662894074	2797.293674830796	2806.08714093222	56.033686953281395	48.00894880026569
574	265	199394	5918.85867730351	966637.3170250766	35.296636910965214	-100.781341	348595.9475514787	437709.750800768	2855.714042115438	2798.142110686917	2803.24002502765	2805.2340002502765	56.5271334568282	49.670680788157
574	265	199394	7238.85867730351	966637.3170250766	35.296663311565	-100.7737596	345705.03947254693	437703.682819414	2975.03047670304	2851.341964062307	2795.052296718455	2802.108534020446	56.2696675877551	49.23429399
575	265	199395	7898.85867730351	966637.3170250766	35.29666183504284	-100.7714571	347751.96756415244	437705.672215474	2973.012322571667	2849.9790476851194	2793.345813746313	2800.24313231932	56.633230388637	49.73591254092621
576	265	199396	8558.85867730351	966637.3170250766	35.2966127	-100.7691186	347952.9627563305	437703.505742038	2968.032607665304	2848.622607665304	2792.7807786432076	2799.44185893263	55.913929022149	49.1807792517744
577	265	199397	9218.85867730351	966637.3170250766	35.29666063370315	-100.7667801	348153.9578	437704.63849371	2963.768421611031	2847.2698547708192	2792.3198989330895	2798.14772551045	54.899583308637	49.1221315134756
578	265	199398	9878.85867730351	966637.3170250766	35.296600977057	-100.7644415	348354.9527004867	437704.623438027	2959.502016287698	2845.91495323862	2791.871211163867	2796.6717893852677	54.04717414017614	49.3005939369414
579	265	199399	10538.85867730351	966637.3170250766	35.29666910965214	-100.762103	348595.9475514787	437709.750800768	2855.714042115438	2798.142110686917	2803.24002502765	2805.2340002502765	56.5271334568282	49.670680788157
580	265	199400	11158.85867730351	966637.3170250766	35.296555704423	-100.759745	348756.9420580742	437703.591986519	2950.754574992574	2843.203721011025	2791.255291110456	2794.29042590372	54.91335675106294	49.23429399
581	265	199401	11858.85867730351	966637.3170250766	35.29655778	-100.757426	348957.9365174958	437703.576809586	2946.3448785810875	2841.627298020385	2790.563784856527	2798.7589094700684	51.26234503630775	49.06728010215095
582	265	199402	12518.85867730351	966637.3170250766	35.296564361534	-100.7550875	349158.93063904317	437702.561386842	2941.935457162951	2848.1426140241197	2789.181332176072	2790.734938621235	51.246831848047805	49.648725061996174
583	265	199403	13178.85867730351	966637.3170250766	35.2965464137455	-100.7527489	349359.9249868203	437702.5644069675	2927.920774555435	2839.001106423991	2787.112149	2787.898884217902	51.88895723871044	51.1022222068821
584	265	199404	13838.85867730351	966637.3170250766	35.2965513948395	-100.7504104	349690.9129274038	437701.813644026	2934.300395788516	2837.540273588516	2783.8548007760396	2784.609456050815	50.684572828120055	52.9308083770107
585	265	199405	14488.85867730351	966637.3170250766	35.2965641695581	-100.7480719	349791.9128974873	437701.4517091706	2930.6811495816463	2836.0476852705473	2780.3435715805326	2785.734715805326	50.703511694651945	52.9308083770107
586	265	199406	15158.85867730351	966637.3170250766	35.2965315465006	-100.7457334	349962.906290917	437701.50275702	2927.061270167415	2834.530520286779	2778.730689	2777.09189373104	51.7908511155881	52.9308083770107
587	265	199407	15818.85867730351	966637.3170250766	35.2965209	-100.7433949	35015.90321574765	437700.488627035	2923.616041813963	2832.94192641064	2773.304396461031	2773.74158972889	50.89093000306324	52.9308083770107
588	265	199408	16478.85867730351	966637.3170250766	35.29650989113115	-100.7410564	350364.937575735	437700.247172604	2921.4558023319	2770.1923364845625	2769.70508984697	2770.1923364845625	51.2522133750664	49.06728010215095
589	265	199409	17138.85867730351	966637.3170250766	35.296498358147	-100.7387178	350565.887054935	437699.846101348	2917.04779942574	2828.88173197183	2767.40970805423	2768.265776823183	50.74846514	61.6223964846556
590	265	199410	17798.85867730351	966637.3170250766	35.29649648427423	-100.7363793	350766.8802079996	437699.447527564	2915.804717604394	2828.321260446063	2764.823226925958	2768.265776823183	63.503003251053	62.5109757637507
591	265	199411	18458.85867730351	966637.3170250766	35.2964704919313	-100.7340408	350967.8732182146	437699.432450508	2912.4935662027	2826.76663268257	2762.180048278604	2763.396234649377	64.5828014	63.366423213809675
592	265	199412	19118.85867730351	966637.3170250766	35.2964611592827	-100.7317023	35118.866081927	437699.421195783	2913.1433679113497	2825.195630762977	2760.42734801845	2765.7289956113087	64.6824740408765	78.189540408765
593	265	199413	19838.85867730351	966637.3170250766	35.29645286949676	-100.729363	35139.80824932123	437699.421195783	2912.4935662027	2826.76663268257	2762.180048278604	2763.396234649377	64.5828014	63.366423213809675
594	265	199414	20438.85867730351	966637.3170250766	35.2964308280976	-100.7270252	351570.8154	437697.953716923	2911.2442571618423	2822.059567	2754.206113239154	2755.39129666447	68.537559034363	68.6664374728585
595	265	199415	21098.85867730351	966637.3170250766	35.2964198670738	-100.7246867	351771.8438154671	437697.348329752	2910.499171300676	2751.37680168805	2751.9740558381107	2751.9740558381107	68.537559034363	68.6664374728585
596	265	199416	21758.85867730351	966637.3170250766	35.2964052	-100.7223482	351972.831064646	437697.31	2904.24333943462	2818.921804868306	2748.557276276365	2748.557276276365	70.36415421	70.4188972
597	265	199417	22418.85867730351	966637.3170250766	35.2963901	-100.720097	352173.82255337	437696.35097882	2897.1348424743494	2745.682385	2745.682385	2745.682385	70.36415421	70.4188972
598	265	199418	23078.85867730351	966637.3170250766	35.2963745	-100.7178712	352374.82026113366	437696.347317963	2890.211001744391	2815.71623399284	2742.66873662205	2741.086192370834	73.1018399370324	74.6854120220875
599	265	199419	23738.85867730351	966637.3170250766	35.296363549876	-100.7153327	352575.8135257581	437696.353152485	2884.7120911810374	2814.913998984683	2740.648594983187	2739.0676629717683	74.6854120220875	74.6854120220875
600	265	199420	24398.85867730351	966637.3170250766	35.29634201143374	-100.7129471	352776.803454967	437696.348329752	2880.7349677971133	2812.914267185423	2739.0676629717683	2739.0676629717683	74.6854120220875	74.6854120220875
601	265	199421	25058.85867730351	966637.3170250766	35.296325050542	-100.7106558	352977.795442772	437696.31325739	2876.748789828047	2810.51089926251	2733.3443161025407	2733.3443161025407	75.67613716371024	75.734399036116075
602	265	199422	25718.85867730351	966637.3170250766	35.29630776900076	-100.7083171	353178.8686158214	437696.302307229	2873.8128321822	2809.418682698744	2730.8326780097275	2730.8326780097275	76.810624026772	78.520742680772
603	265	199423	26378.85867730351	966637.3170250766	35.29628877700076	-100.7059786	353379.781753028	437694.29162088	2869.023418	2807.814008512602	2728.945110550013	2728.945110550013	78.6888972658902	79.045521159271
604	265	199424	27038.85867730351	966637.3170250766	35.29627159534456	-100.7034011	353580.7963	437693.281115357	2865.3812767995718	2806.20190375549	2727.51878878985	2727.51878878985	78.6888972658902	79.045521159271
605	265	199425	27698.85867730351	966637.3170250766	35.296256219619294	-100.7010316	353781.766323705	437693.27082768	2862.01185717806057	2804.582337395037	2726.370494963742	2725.796531754704	78.6888972658902	79.045521159271
606	265	199426	28358.85867730351	966637.3170250766	35.296236707657	-100.698693	353982.7511954803	437693.260191498	2859.2528271521	2802.25528271521	2725.147013168076	2725.147013168076	78.6888972658902	79.045521159271
607	265	199427	29018.85867730351	966637.3170250766	35.296214038429	-100.696245	354183.7419363585	437693.25091667	2856.2801	2801.30289363794027	2724.9394980874927	2724.9394980874927	78.6888972658902	79.045521159271
608	265	199428	29678.85867730351	966637.3170250766	35.2961939511643	-100.69426	354384.732516977	437692.24123357	2855.304607427744	2799.68069349224	2722.506093	2720.971825065185	77.17451634004417	78.6888972658902
609	265	199429	30338.85867730351	966637.3170250766	35.2961734107301	-100.6919475	354585.722666104	437691.8123	2850.2318487183544	2791.05381995499	2721.05381995499	2721.05381995499	77.17451634004417	78.6888972658902
610	265	199430	30998.85867730351	966637.3170250766	35.2961524185404	-100.689609	354786.7132760402	437691.422586055	2853.364852271277	2791.05381995499	2721.05381995499	2721.05381995499	77.17451634004417	78.6888972658902
611	265	199431	31658.85867730351	966637.3170250766	35.2961309745953	-100.6872705	354987.7034558323	437691.033707765	2848.384262327663	2790.737300948738	2721.05381995499	2721.05381995499	77.17451634004417	78.6888972658902
612	265	199432	32318.85867730351	966637.3170250766	35.29610977899484	-100.684832	355188.694375156	437690.604781157	2846.89875961723	2793.09156752662	2719.09156752662	2719.09156752662	77.17451634004417	78.6888972658902
613	265	199433	32978.85867730351	966637.3170250766	35.2960892143876	-100.682438	355390.693271575	437690.1914983	2844.913998984683	2791.426467185423	2719.09156752662	2719.09156752662	77.17451634004417	78.6888972658902
614	265	199434	33638.85867730351	966637.3170250766	35.296069332776	-100.680052	355590.671162524	437689.18782855	2842.938661613842	2790.73				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLgsKrg.f	BRIEVBthKrg.f	SatHtLgs.f	SatHtBth.f
695	265	196057	88418.85867307335	966637.3170250766	39.529259678451396	-100.486159	727272.37	4376666.235012443	7376.7755743931702	2573.701805187929	2573.6749277051995	75.8088948102777	75.8358279300663	
696	265	196058	88078.85867307335	966637.3170250766	39.5292536380937	-100.483205	372473.37548995	4376562.244508066	2762.032576853627	2648.264318175784	2573.0153424699675	75.2790415625903	75.27418198806304	
697	265	196059	87388.85867307335	966637.3170250766	39.52924748389026	-100.481482	372874.314417473	4376558.254217074	2761.67867117743	2647.026548365665	2572.102549780127	75.272160730657015	74.8438144848653	
700	265	196060	90398.85867307335	966637.3170250766	39.52924119100077	-100.479125	372875.292426551	4376562.2445137843	2645.7913743529022	2571.261182093524	2571.261182093524	75.2656457636379	74.5296853235678	
701	265	196061	91058.85867307335	966637.3170250766	39.52923510883423	-100.476805	373076.2713523627	4376550.274	2763.7396987532925	2644.5608404129653	2570.265003918135	75.270331358505047	74.29563846830308	
702	265	196062	91718.85867307335	966637.3170250766	39.52923438394283	-100.4744665	373277.2496047514	4376546.284616233	2764.77114702106	2643.330248	2569.2283467154444	75.2691351872163465	74.10190121728556	
703	265	196063	92378.85867307335	966637.3170250766	39.529225259276684	-100.472128	373478.2278080314	4376542.295137843	2640.07257614846908	2642.07257614846908	2567.9776819825697	75.268136665202431	74.11957562768674	
704	265	196064	93038.85867307335	966637.3170250766	39.52921620728571	-100.4697896	373679.2059	4376538.306	2762.017422230816	2640.857415022529	2566.397787592613	75.266513299183377	74.45953743231757	
705	265	196065	93698.85867307335	966637.3170250766	39.52920674161995	-100.467451	373889.18370907587	4376534.318265831	2768.8377886147213	2638.9274047025084	2564.5589163871932	75.2643047364	74.8981968852746	
706	265	196066	94358.85867307335	966637.3170250766	39.52920338937945	-100.4651129	374081.161585255	4376530.328120196	2768.32196999238	2638.321494702458	2562.527646993036	75.262507674817395	74.7935477121129	
707	265	196067	95018.85867307335	966637.3170250766	39.52919689916417	-100.4627741	374282.138021647	4376526.393587394	2755.4011564383384	2637.0011991203045	2560.451746823668	75.26034358	74.66911412361426	
708	265	196068	95678.85867307335	966637.3170250766	39.5291903777415	-100.4604356	374483.11663449444	4376522.351145618	2753.067764929387	2635.627072	2558.379165	75.258293007562617	74.72740698543954	
709	265	196069	96338.85867307335	966637.3170250766	39.529183801203935	-100.4580971	374684.0942798617	4376518.36279655	2750.77341952963	2634.1823498049612	2556.334682200615	75.256429487085239	74.8770770804474	
710	265	196070	96988.85867307335	966637.3170250766	39.5291771464991	-100.4557586	374885.0716051204	4376510.375	2745.4550810468817	2632.65252105109413	2554.509884193016	75.25425988178975	74.14536681747131	
711	265	196071	97658.85867307335	966637.3170250766	39.5291702255571	-100.4534201	375088.0488109048	4376504.375725342	2745.4550810468817	2632.4421963971545	2552.7626994047246	75.2527626994047246	74.87294949478991	
712	265	196072	98318.85867307335	966637.3170250766	39.52916315446684	-100.4511871	375287.02389742607	4376506.390742974	2741.868883047603	2629.348461763352	2551.490173036056	75.25129103134981	74.85830232031321	
713	265	196073	98978.85867307335	966637.3170250766	39.5291570630326	-100.4487432	375488.002668486	4376502.41242783	2738.2902371909927	2627.586232	2550.25927783176	75.25029120545103	74.7894040426048	
714	265	196074	99638.85867307335	966637.3170250766	39.52915026576505	-100.4464407	375688.797135028	4376498.254317645	2734.7157131334	2625.70736704174	2549.1032028400346	75.248198132042970	74.6375336413939	
715	265	196075	100298.85867307335	966637.3170250766	39.5291432315216	-100.4440662	375889.9564434896	4376494.814818007	2734.051617031966	2623.37108624852	2548.1678392193644	75.2484072087170397	74.75492074501476	
716	265	196076	100988.85867307335	966637.3170250766	39.52913653561204	-100.4417277	376090.9331549014	4376490.4517332185	2736.299964	2622.03846836251	2547.250548565846	75.247709629140564	74.67977902259359	
717	265	196077	101618.85867307335	966637.3170250766	39.5291296029902	-100.4393902	376291.9096841922	4376486.450262164	2738.5483119605812	2620.14444430518	2546.647848378975	75.24637296056712	74.4196599507362	
718	265	196078	102278.85867307335	966637.3170250766	39.52912262422324	-100.4370057	376492.96860234519	4376482.49002223	2740.796688117267	2618.243335171694	2545.06768653379	75.246158134922484	72.0851958468106	
719	265	196079	102898.85867307335	966637.3170250766	39.5291152121862	-100.434713	376693.926896853	4376478.620954918	2742.834491941014	2616.3401470591352	2543.70847582873	75.2451801871651	74.640482736554	
720	265	196080	103598.85867307335	966637.3170250766	39.52910853264846	-100.4323738	376894.83420470634	4376474.507119729	2740.0589569806	2614.437495589096	2545.1946330700815	75.24430171073126	74.6242862489270	
721	265	196081	104258.85867307335	966637.3170250766	39.52910141880425	-100.4300353	377095.81444311014	4376470.52149661	2738.879246149516	2612.536534087441	2544.6992408730607	75.244184638329135	74.60770961438075	
722	265	196082	104918.85867307335	966637.3170250766	39.5290942596914	-100.4276968	377296.7903485033	4376466.53060555	2737.662611303387	2610.6386726272476	2544.1016495257695	75.2441900358476	74.65370267398587	
723	265	196083	105578.85867307335	966637.3170250766	39.52908705595465	-100.4253583	377497.7661364983	4376462.5088765	2736.805176784803	2608.7455100946154	2543.50320874127	75.24319817107654	74.65370267398587	
724	265	196084	106238.85867307335	966637.3170250766	39.5290798077524	-100.4230198	377688.7418	4376458.5999932	2737.3069416129063	2606.857371504915	2543.192167024291	75.243192167625403	74.65370267398587	
725	265	196085	106898.85867307335	966637.3170250766	39.5290725121862	-100.420713	377889.926896853	4376454.381	2736.805176784803	2605.857371504915	2542.19810753612	75.243192167625403	74.65370267398587	
726	265	196086	107558.85867307335	966637.3170250766	39.529065329336	-100.418293	378090.9331549014	4376450.4517332185	2734.0712691197	2603.09690177323	2542.6471811381715	75.24254710281917	74.65370267398587	
727	265	196087	108218.85867307335	966637.3170250766	39.52905778817558	-100.4160044	378301.6682133339	4376446.612211849	2718.781194805145	2601.2247191836304	2542.60381234132	75.24254710281917	74.65370267398587	
728	265	196088	108878.85867307335	966637.3170250766	39.5290503829336	-100.4136659	378502.6433	4376442.628073248	2718.220877049089	2599.3592647561723	2542.60381234132	75.24254710281917	74.65370267398587	
729	265	196089	109538.85867307335	966637.3170250766	39.5290428323671	-100.4112274	378703.6184201309	4376438.64146685	2717.66052539337	2597.4990305736183	2541.16628595125	75.2415882193487	74.65370267398587	
730	265	196090	110198.85867307335	966637.3170250766	39.5290353630558	-100.408989	378904.5933059283	4376434.66043139	2717.100412136378	2595.646261126047	2541.050591	75.2415882193487	74.65370267398587	
731	265	196091	110858.85867307335	966637.3170250766	39.5290277870006	-100.4068058	379105.5682545956	4376430.67692612	2715.482453	2593.797714729314	2538.437596	75.2398861349892	74.546017820137	
732	265	196092	111518.85867307335	966637.3170250766	39.52902017012006	-100.404312	379306.620954918	4376426.390742974	2713.312515	2591.954050505652	2537.19810753612	75.2398861349892	74.546017820137	
733	265	196093	112178.85867307335	966637.3170250766	39.52901251265664	-100.4019735	379507.517628427	4376422.700599418	2712.193834175948	2589.75148839212	2535.5489227461317	75.2398861349892	74.546017820137	
734	265	196094	112838.85867307335	966637.3170250766	39.529004083	-100.3996351	379708.4924311926	4376417.72694017	2709.528704782748	2588.280167382914	2527.6205869379833	75.2398861349892	74.546017820137	
735	265	196095	113498.85867307335	966637.3170250766	39.52899708423375	-100.3972966	379909.466534765	4376414.75542594	2694.48097042843	2586.49111839238	2522.9645279004532	75.2398861349892	74.546017820137	
736	265	196096	114158.85867307335	966637.3170250766	39.528989259256254	-100.3949581	380110.44082922756	4376410.76296857	2686.8241800804362	2584.6214148577298	2522.250490606091	75.2398861349892	74.546017820137	
737	265	196097	114818.85867307335	966637.3170250766	39.52898146560437	-100.3926196	380311.4150009514	4376406.73602617	2676.789300776283	2578.759690376283	2518.759690376283	75.2398861349892	74.546017820137	
738	265	196098	115478.85867307335	966637.3170250766	39.52897354781894	-100.3902412	380512.38958575164	4376402.798	2671.65400072813	2580.37418625193	2517.170146880217	75.2398861349892	74.546017820137	
739	265	196099	116138.85867307335	966637.3170250766	39.5289657877804	-100.3878022	380714.383341448	4376398.43459665	2665.35346881071	2577.3348012959514	2516.0503295312	75.2398861349892	74.546017820137	
740	265	196100	116798.85867307335	966637.3170250766	39.5289576761028	-100.3854024	380914.338341448	4376394.3459665	2655.35346881071	2577.3348012959514	2516.0503295312	75.2398861349892	74.546017820137	
1	266	196101	-370941.1413	967297.3170250766	39.52434317074288	-102.1137135	323254.10155607638	4379596.93426314	3825.66519712927194	3611.5669677809294	3596.764046139576	75.2398861349892	74.546017820137	
2	266	196102	-370281.1413	967297.3170250766	39.5243684731223	-102.1113754	323555.2148544705	4379592.78473772	3827.42995163304	3660.2957279729685	3593.5277136889053	75.2398861349892	74.546017820137	
3	266	196103	-369621.1413	967297.3170250766	39.52433937812346	-102.1090373	323756.3278078457	4379584.654392						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKgf.	BRElevLogsKgf.	SatHLogsKgf.	SatHLogsKgf.
83	266	196183	-316821.1413	767297.3170250766	39.52627310117275	-101.92189286	248844.5292841662	4739258.133645123	3764.4251662820398	3552.3389115270717	3449.7319493616483	3448.384272852198	402.6069621636871	103.95643687481886
84	266	196184	-316161.1413	767297.3170250766	39.52624746330364	-101.9196444	249045.62115776877	4739254.010496354	3760.931207762691	3550.918576084733	3448.639596801299	3447.6144727197823	402.7289732843418	103.9541038896508
85	266	196185	-315541.1413	767297.3170250766	39.526316382067864	-101.9173761	249246.71363545122	4739249.8884776163	3757.427480445363	3547.923272611653	3448.49856586929	3445.93434851154	402.0067156923395	103.9541038896508
86	266	196186	-314841.1413	767297.3170250766	39.52633792064684	-101.9141679	249447.805241010101	4739245.796	3753.943288924353	3548.09158491397	3446.937859691249	3445.461278329677	401.7268198	102.727961043007
87	266	196187	-314181.1413	767297.3170250766	39.526359347869511	-101.9126296	249648.89673082484	4739241.64168007	3750.221833010116	3546.681664484999	3445.4999178279622	3444.926445541721	401.18174665703691	101.76521494327813
88	266	196188	-313521.1413	767297.3170250766	39.52638096158335	-101.9102914	249849.98727924468	4739237.522324282	3746.272781173635	3545.279895079088	3444.8832714294354	3444.633445586286	400.6562340965261	100.7455404920541
89	266	196189	-312861.1413	767297.3170250766	39.52640239645457	-101.9079351	250051.078967601	4739233.4017342085	3742.3239024662548	3543.883197300842	3444.560003380206	3444.599689981397	400.3219303201894	99.28350271196249
90	266	196190	-312201.1413	767297.3170250766	39.52642378758376	-101.9056149	250252.1697151761	4739229.279343479	3738.374976191381	3542.4920082059116	3444.71417063716	3444.5765848743297	400.107321419542	97.9154221851193
91	266	196191	-311541.1413	767297.3170250766	39.52645132054583	-101.9033766	250453.26021528854	4739225.158170161	3736.428422897916	3541.10716824068	3443.8730833576198	3443.7417510224676	400.6753649649533	97.9154221851193
92	266	196192	-310881.1413	767297.3170250766	39.52646643430076	-101.9005384	250654.3504694349	4739221.037161453	3734.726968633808	3539.725905629328	3441.8208437421443	3441.1556258183	400.920657811835	97.9154221851193
93	266	196193	-310221.1413	767297.3170250766	39.52648768995626	-101.8986001	250855.4044765886	4739217.91475864	3733.530111068845	3538.35959020042	3440.40522237076	3440.431345517647	400.920657811835	97.9154221851193
94	266	196194	-309561.1413	767297.3170250766	39.5265080042906	-101.8962619	251056.530237369	4739212.795654828	3729.581955	3536.99474402646	3438.2117764112586	3438.832642304027	400.920657811835	97.9154221851193
95	266	196195	-308901.1413	767297.3170250766	39.526530065722326	-101.8939236	251257.61975197602	4739208.76551198	3727.157855	3535.644881874684	3436.4031870716194	3436.333994686484	400.920657811835	97.9154221851193
96	266	196196	-308241.1413	767297.3170250766	39.52655115884832	-101.8915854	251458.7902062234	4739204.556	3724.257773250444	3534.297773250444	3434.814194370461	3435.678390341646	400.920657811835	97.9154221851193
97	266	196197	-307581.1413	767297.3170250766	39.52657226086982	-101.8892471	251689.75983451073	4739200.456	3721.357767113381	3532.96580888157	3432.958942590772	3432.932699773168	400.920657811835	97.9154221851193
98	266	196198	-306921.1413	767297.3170250766	39.52659332059818	-101.886908	251860.886820476	4739196.316044676	3718.457272919116	3531.618794829356	3431.302754019333	3432.34033573228	400.920657811835	97.9154221851193
99	266	196199	-306261.1413	767297.3170250766	39.52661427522199	-101.8845708	252061.9753253839	4739192.196610598	3714.83074633958	3530.290403712886	3429.56809335598	3430.742054	400.920657811835	97.9154221851193
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102	266	196202	-304281.1413	767297.3170250766	39.5266769680849	-101.8775558	252665.234788008	4739179.783612561	3701.7606121003	3526.34572122304	3424.815371893512	3424.815371893512	400.920657811835	97.9154221851193
103	266	196203	-303621.1413	767297.3170250766	39.526697762042225	-101.8752175	252866.32730147118	4739175.71027925	3696.49202860185	3525.04561693515	3423.436851018166	3423.436851018166	400.920657811835	97.9154221851193
104	266	196204	-302961.1413	767297.3170250766	39.52671852082637	-101.8727892	253067.44133592548	4739171.60270067	3690.291978734142	3523.753110186455	3422.12668294859	3420.720635788511	400.920657811835	97.9154221851193
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109	266	196209	-299661.1413	767297.3170250766	39.526821637423025	-101.8611879	254072.847204782	4739150.41224017	3681.795163	3517.454721858498	3411.449432758327	3418.013571832967	400.920657811835	97.9154221851193
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111	266	196211	-298341.1413	767297.3170250766	39.52686267634154	-101.8565708	254475.0186717564	4739142.780354514	3688.761926963045	3514.96824582757	3408.914460489894	3418.572167644825	400.920657811835	97.9154221851193
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvLogKgr.ft	SatHtLogKgr.ft	SatHtLogKgr.ft
206	266	196309	-233661.1413	767297.3170250766	39.52864682809538	-101.627354	174180.26328128844	4378740.384293348	3530.663804943667	3393.924211640435	3240.688505656482	3260.866112881133	32172370507395284	3133.0580899993018
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211	266	196317	-232941.1413	767297.3170250766	39.528672454186	-101.626272	174582.3682167281	4378732.193809091	3531.6130537643829	3391.4774332783835	3340.462662798137	3263.1835111334667	3215949270989182	3133.069242303668
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214	266	196314	-230361.1413	767297.3170250766	39.52872623042584	-101.615662	175185.57350543967	4378719.90970671	3498.2549681279933	3387.7493241053785	3327.739456464587	3266.81451819014	32150086745089167	3132.79847907459862
215	266	196315	-229701.1413	767297.3170250766	39.528741975374786	-101.6133236	175366.634243543	4378715.81438977	3499.741006686117	3386.4926683248175	3326.289412886822	3272.4652559983522	32150032545599553	314.0251423
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225	266	196325	-223101.1413	767297.3170250766	39.528898940543826	-101.5899396	177397.238	4378674.84686978	3488.9912102897815	3370.164792450024	3222.948549512454	3229.94028904645	32146792973254383	3132.79847907459862
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239	266	196339	-213861.1413	767297.3170250766	39.5291030626382	-101.5572017	180212.40479076725	4378611.671951568	3400.30435133029	3344.879508031827	3319.44845666705	3219.0410343158	321460346653894092	3132.79847907459862
240	266	196340	-213201.1413	767297.3170250766	39.52912091833788	-101.5548633	180413.10079075007	4378613.529	3394.644807433376	3343.126802801457	3319.216069696828	3219.0410343158	321460346653894092	3132.79847907459862
241	266	196341	-212541.1413	767297.3170250766	39.52913548881964	-101.5525249	180614.1566	4378609.404453799	3388.98470434306	3341.427403636687	3319.83918986864	3219.0410343158	321460346653894092	3132.79847907459862
242	266	196342	-211881.1413	767297.3170250766	39.5291501412911	-101.5501864	180821.214262146	4378605.35029041	3383.325314083455	3339.739093519227	3312.401170325117	3219.0410343158	321460346653894092	3132.79847907459862
243	266	196343	-211221.1413	767297.3170250766	39.52916464266254	-101.547848	181016.2674649109	4378601.26382137	3381.95633203498	3338.068781672834	3319.173302302143	3219.0410343158	321460346653894092	3132.79847907459862
244	266	196344	-210561.1413	767297.3170250766	39.5291789	-101.5454596	181217.323511	4378597.15296338	3384.98117144092	3336.404254540075	3318.590672039331	3219.0410343158	321460346653894092	3132.79847907459862
245	266	196345	-209901.1413	767297.3170250766	39.52918331903625	-101.5431712	181418.376531793	4378593.08950222	3387.311440696337	3334.7659250753804	3319.504555554616	3219.0410343158	321460346653894092	3132.79847907459862
246	266	196346	-209241.1413	767297.3170250766	39.5292076350475	-101.5408327	181619.4323596216	4378589.00492227	3387.37769719573	3333.151964020573	3319.237690219076	3220.69463276617	3219.0410343158	321460346653894092
247	266	196347	-208581.1413	767297.3170250766	39.5292219630977	-101.5384943	181820.48685119895	4378584.91314918	3389.3514878011247	3331.540218614508	3319.829068879127	3220.74463313662	3219.0410343158	321460346653894092
248	266	196348	-207921.1413	767297.3170250766	39.52923621737299	-101.5361559	182021.5411281097	4378580.82602338	3383.67140236478	3329.9500867630336	3319.5730476706206	3219.0410343158	321460346653894092	3132.79847907459862
249	266	196349	-207261.1413	767297.3170250766	39.52925042647599	-101.5338174	182222.5951905631	4378579.739112916	3382.7944485891832	3328.334212236045	3319.213153083918	3219.0410343158	321460346653894092	3132.79847907459862
250	266	196350	-206601.1413	767297.3170250766	39.52926545004551	-101.531479	182423.6459387642	4378574.65218807	3382.9125784541854	3326.812551282814	3319.7862383695	3219.0410343158	321460346653894092	3132.79847907459862
251	266	196351	-205941.1413	767297.3170250766	39.52927991616285	-101.529181	182624.7659197178	4378569.47541468	3382.9125784541854	3326.812551282814	3319.7862383695	3219.0410343158	321460346653894092	3132.79847907459862
252	266	196352	-205281.1413	767297.3170250766	39.52929278274781	-101.5268021	182825.76093214	4378569.47						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevKgs.ft	SatHtKgs.ft	SatHtKgs.ft
335	266	196435	-150501.1413	767297.3170250766	39.53030431618973	-101.3327091	299512.4650584938	478226.073	3374.2461013807706	3122.859397379966	3085.62128335948	3085.094897570222	307.12238393874787	307.176466016947375
336	266	196436	-149841.1413	767297.3170250766	39.53031369518982	-101.3303706	299713.5012509156	478222.004902062	3372.9750415394857	311.55520673374	3087.5049217295037	3087.285921661905	304.05028487637042	304.26928441196924
337	266	196437	-149181.1413	767297.3170250766	39.5303239591531	-101.3288221	299814.5372468973	478217.3369299213	3371.689127689177	3190.24168877708	3090.559870780725	3090.632877892628	309.58896973032	309.58896973032
338	266	196438	-148521.1413	767297.3170250766	39.53033417666236	-101.3256936	300115.5730496116	478213.1869	3370.42564569917	3188.501266815095	3093.3726834627243	3093.86278905547	305.4748302	305.4748302
339	266	196439	-147861.1413	767297.3170250766	39.53034425114254	-101.3233551	300316.0686059093	478209.801821332	3368.89120664077	3187.589166660524	3096.01540258185	3096.520696705412	31.57913284227393	31.0684729660954
340	266	196440	-147201.1413	767297.3170250766	39.53034539444225	-101.3210166	300517.6440591704	478205.33548884	3367.902551319681	3186.25402556136	3098.306449170408	3098.746861376	87.5031541459157	87.5031541459157
341	266	196441	-146541.1413	767297.3170250766	39.5303644172126	-101.3186781	300718.6792179066	478201.67611986	3365.905405752843	3184.90547959757	3096.154381361425	3096.3802271424283	301.761165893202	301.761165893202
342	266	196442	-145881.1413	767297.3170250766	39.53037440252362	-101.3163396	300919.174293521	478197.60086028	3363.497455308628	3183.5665704989253	3093.814788987369	3093.83024567714284	88.7417811088472	88.7417811088472
343	266	196443	-145221.1413	767297.3170250766	39.5303849438	-101.314001	301120.7491116245	478193.5340546678	3362.02369969675	3182.20479650818	3092.21298412273	3091.964417451988	98.589297862679	98.589297862679
344	266	196444	-144561.1413	767297.3170250766	39.5303943009426	-101.3116625	301321.7378919524	478189.467664511	3360.874282116227	3180.85210793828	3090.88753345211	3090.737333098979	98.6454735115737	98.6454735115737
345	266	196445	-143901.1413	767297.3170250766	39.530404173332535	-101.309324	301522.81871711	478185.40147937	3359.7249357138	3179.5013296110196	3088.558496338505	3088.684107108094	98.915832751465	98.915832751465
346	266	196446	-143241.1413	767297.3170250766	39.53041405008605	-101.3069855	301723.8524090972	4781781.335510472	3358.5754361552	3178.15958808692	3088.286448086707	3088.1000138376617	97.057948933022	97.057948933022
347	266	196447	-142581.1413	767297.3170250766	39.53042378	-101.304647	301924.8864538113	478177.21	3356.8240913995154	3176.818772708732	3086.973229713016	3086.08541791885	88.84543	88.84543
348	266	196448	-141921.1413	767297.3170250766	39.53043319566774	-101.3023085	302125.9203036295	478173.204218443	3354.4705187725	3175.493682	3085.959417771253	3083.783440026355	89.896238	89.896238
349	266	196449	-141261.1413	767297.3170250766	39.5304431229796	-101.29997	302236.93093695	478169.128995662	3352.1212917185367	3174.1862532048687	3084.1837104158443	3081.78169880937	90.00254278902139	90.00254278902139
350	266	196450	-140601.1413	767297.3170250766	39.530452857852296	-101.2976135	302527.984218354	478165.073384	3349.78932327057	3172.897456720057	3082.670091774478	3079.469848	90.2273649157778	90.2273649157778
351	266	196451	-139941.1413	767297.3170250766	39.5304624932182	-101.295293	302729.0269036115	478161.09	3347.04286816016	3171.6278014651607	3081.339627231043	3078.149126001742	90.28814874205636	90.28814874205636
352	266	196452	-139281.1413	767297.3170250766	39.5304721045367	-101.292945	302930.05376617104	478165.944220161	3343.910137	3170.374673575095	3079.834045312893	3078.216754979678	90.456982727182	90.456982727182
353	266	196453	-138621.1413	767297.3170250766	39.53048152664622	-101.290616	303131.0866484994	478158.478759248	3340.78772558997	3169.145912539114	3078.2951735306574	3074.388271	90.579039008456	90.579039008456
354	266	196454	-137961.1413	767297.3170250766	39.530491009232116	-101.2882774	303332.1183237796	478158.481553784	3337.66544812696	3167.930689975238	3076.770834009171	3071.82027912139	91.19585580856692	91.19585580856692
355	266	196455	-137301.1413	767297.3170250766	39.53050041300115	-101.2859389	303333.151833623	478144.751483757	3335.90526007092	3166.730754287482	3075.369595632857	3069.280253644303	31.3611756	31.3611756
356	266	196456	-136641.1413	767297.3170250766	39.53050978505222	-101.2836004	303374.1841390676	478140.6876916	3335.4910438326	3165.781677889913	3074.07768322265	3068.2566762649	88.983290	88.983290
357	266	196457	-135981.1413	767297.3170250766	39.5305181863621	-101.2812681	303415.404906023	478131.267289387	3334.87619698913	3165.80169844932	3068.94980117233	3067.72854374718	90.589297862679	90.589297862679
358	266	196458	-135321.1413	767297.3170250766	39.53052843991475	-101.2789234	303416.28417240145	478132.561	3334.6702929272	3165.227707377994	3071.412486520226	3069.421987146204	91.1847835750112	90.73507166379014
359	266	196459	-134661.1413	767297.3170250766	39.53053764387164	-101.2765849	303437.2799006307	478128.45917879	3333.892245102614	3162.088740513066	3070.16206882085	3069.333333333333	102.755017672924	102.755017672924
360	266	196460	-134001.1413	767297.3170250766	39.53054683877681	-101.2742463	303458.311437707	478124.243546927	3332.777567014	3160.955252316576	3068.335022265706	3068.45149063927	100.5427093252379	100.5427093252379
361	266	196461	-133341.1413	767297.3170250766	39.53055588406974	-101.2719078	304739.3427831415	478120.371827369	3331.563278983208	3159.830026788515	3066.558016610391	3062.6382917182398	97.1917348018989	97.1917348018989
362	266	196462	-132681.1413	767297.3170250766	39.53056509260276	-101.269593	304940.3738737131	478116.30930518	3330.39875084715	3158.7134959048594	3063.798056141296	3062.94177	94.9149029072985	94.9149029072985
363	266	196463	-132021.1413	767297.3170250766	39.5305741214215	-101.2672398	305141.404906023	478112.678928387	3328.87569289837	3157.80169844932	3062.94980117233	3062.72854374718	96.797008624676	96.797008624676
364	266	196464	-131361.1413	767297.3170250766	39.5305831962741	-101.2649823	305342.435673821	478108.148409692	3327.80150527847	3156.42079734052	3057.19770354052	3057.170066904	92.240690373961	92.240690373961
365	266	196465	-130701.1413	767297.3170250766	39.53059321317705	-101.2625358	305543.4665488705	478104.12303074	3325.127630559332	3155.382440375583	3053.87497243786	3053.87497243786	101.5089905120439	101.5089905120439
366	266	196466	-130041.1413	767297.3170250766	39.530601058931865	-101.2602152	305744.496643541	478101.137013749	3323.252065910433	3153.272308879828	3051.26899	3050.51045758414	103.0339122849255	103.0339122849255
367	266	196467	-129381.1413	767297.3170250766	39.53060993751156	-101.2578767	305945.5268476452	478095.9999247	3320.9809992767	3152.16712274574	3049.957236	3048.111969383	103.2038915104039	104.0430758074213
368	266	196468	-128721.1413	767297.3170250766	39.53061877091609	-101.2555382	306146.558589651	478091.38949718	3318.800164913123	3151.024706608925	3049.146323832305	3048.45803136161	102.9016422366872	103.5899029328159
369	266	196469	-128061.1413	767297.3170250766	39.53062755914549	-101.2531997	306347.5886505211	478087.877675999	3317.485050583006	3150.332025316498	3048.458267611118	3047.890735381064	96.7470870663359	96.7470870663359
370	266	196470	-127401.1413	767297.3170250766	39.53063632197274	-101.250981	306548.615212515	478083.619800159	3317.116103972894	3149.81169847482	3047.742821480148	3047.2920400567	102.1780718344632	102.1780718344632
371	266	196471	-126741.1413	767297.3170250766	39.5306450020067876	-101.2488228	306749.85465751601	478079.752625098	3316.9610945136	3148.6901885181204	3046.9721344	3046.9721344	97.1704293583022	97.1704293583022
372	266	196472	-126081.1413	767297.3170250766	39.53065365278295	-101.2461841	306950.675	478075.696	3316.992308	3147.566259941128	3046.1050584803643	3045.979312683184	101.45745106076356	101.45745106076356
373	266	196473	-125421.1413	767297.3170250766	39.530662630311196	-101.2438456	307151.7040732099	478071.673374227	3315.4062007274886	3146.430028774886	3045.3380903315524	3045.70133344044	101.0913944333367	101.0913944333367
374	266	196474	-124761.1413	767297.3170250766	39.53067082266881	-101.2415071	307352.7330489579	478067.575831001	3314.95433602608	3145.292380409915	3044.353296664051	3045.80064030413	90.9308374534476	90.9308374534476
375	266	196475	-124101.1413	767297.3170250766	39.53067934	-101.2391685	307563.717632455	478063.516111074	3314.086328629422	3144.150034332893	3043.4874085797246	3043.71178736709	97.978246624022	97.978246624022
376	266	196476	-123441.1413	767297.3170250766	39.530687811849724	-101.23683	30774.79025306833	478059.45603418	3310.524032533963	3143.044524931337	3042.680050046318	3042.3384233694704	96.4760870663359	96.4760870663359
377	266	196477	-122781.1413	767297.3170250766	39.53069704023976	-101.2345927	307946.04064895	478051.2427	3310.04927	3142.816984782	3041.86243695442	3041.86243695442	94.798479	94.798479
378	266	196478	-122121.1413	767297.3170250766	39.530704023023976	-101.2321129	308156.8466867915	478053.3323983	3309.125917101313	3140.716790128002	3041.71480438784	3041.71480438784	95.565300741637	95.565300741637
379	266	196479	-121461.1413	767297.3170250766	39.53071296680638	-101.2298144	308357.8746042011	478047.279371989	3308.243486613026	3139.5615495573034	3040.418589449742			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBotKgr.f	SalTBotKgr.f	SalTBotKgr.f
461	266	196561	-67341.14133	767927.3170250766	39.53124281494571	-101.080638	324841.54632242955	4377715.184401802	315.2549951877334	301.5211141908257	2926.6279983147052	2927.4759546282116	94.88342587612051	94.03516956
462	266	196562	-66681.14133	767927.3170250766	39.53124701812349	-101.0357161	325042.559594941	4377711.143	315.0449931191515	301.72373493015	2927.9712488041	2928.82740006307	92.16438095074119	91.30893337
463	266	196563	-66201.14133	767927.3170250766	39.53125194352654	-101.0392768	325343.52729702384	4377716.566647	314.8477692651721	301.87654410268	2928.66220587409	2929.4345318003232	90.13947478767176	89.27324079494424
464	266	196564	-65631.14133	767927.3170250766	39.5312564400091	-101.0310739	325544.55828782	4377703.062	314.1146741	301.7030542025546	2928.92055762443	2929.65200160809	84.4989568	84.51945358565
465	266	196565	-64701.14133	767927.3170250766	39.53126089139856	-101.0286984	325645.59759071446	4377699.021589694	314.3525532572132	301.5579218356693	2928.890285473004	2929.38590819387	87.0799328364878	86.5933095628185
466	266	196566	-64041.14133	767927.3170250766	39.53126529757081	-101.0263068	325846.6098273635	4377694.921430185	314.5830428748004	301.5842901801753	2928.1568602630943	2927.609411107746	86.9745110877544	86.9745110877544
467	266	196567	-63381.14133	767927.3170250766	39.5312696583661	-101.0240223	326047.6220514996	4377680.941	313.51766037618	301.38728336617	2927.6150375805823	2924.88943835671	85.5721962380849	88.2970800
468	266	196568	-62721.14133	767927.3170250766	39.53127393743361	-101.0216837	326248.6344	4377691.901733234	312.6250058318595	301.1789810756303	2926.75179486258	2923.9610276012754	85.0326133936227	87.82878327435492
469	266	196569	-62061.14133	767927.3170250766	39.53128194352654	-101.0193451	326449.648478905	4377692.862210111	312.6250058318595	301.1789810756303	2926.75179486258	2923.9610276012754	85.0326133936227	87.82878327435492
470	266	196570	-61401.14133	767927.3170250766	39.53128701052654	-101.017006	326650.6578575553	4377678.822901485	311.5041451742143	300.9842327700876	2924.359725956352	2924.2602934768125	84.634033352272	84.739333352272
471	266	196571	-60741.14133	767927.3170250766	39.53128665078603	-101.014668	326851.6694023181	4377674.783807348	311.0204010283628	300.75958306823813	2922.804161005911	2922.514710270504	84.719665854074	85.08141384
472	266	196572	-60081.14133	767927.3170250766	39.5312907589976	-101.0123294	327052.680702872	4377670.74427964	300.915639867253	300.1958502879297	2921.039921238036	2921.70051231941	85.1559204980375	85.1559204980375
473	266	196573	-59421.14133	767927.3170250766	39.53129488	-101.0099099	327253.691989367	4377666.706262517	311.22033456514	300.79424503523625	2918.9040735282365	2918.650056973935	85.496537026487	86.174185706629
474	266	196574	-58761.14133	767927.3170250766	39.53129892059795	-101.0076523	327454.7030302794	4377666.66711804	310.793070063975	300.381162356659	2918.59358	2917.685137270625	84.7978212666911	85.50620059
475	266	196575	-58101.14133	767927.3170250766	39.53129302016235	-101.0053137	327655.1739032298	4377658.63	310.8864291383875	300.387389518088	2918.573098120297	2917.692089797162	84.41289904075128	84.29588041857459
476	266	196576	-57441.14133	767927.3170250766	39.53130697459027	-101.0029762	327856.72469841853	4377654.59115573	311.508506088833	300.582634914857	2918.4131271850524	2917.292804707713	82.1698077280454	83.28975084
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479	266	196579	-55461.14133	767927.3170250766	39.53131846675517	-100.9959595	328459.7517948656	4377642.479	311.7467182394425	299.635413	2916.724602423136	2915.292307	79.6308106	81.0631059951002
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483	266	196583	-52821.14133	767927.3170250766	39.531332725954	-100.986604	329263.7948469045	4377628.331	309.85209168721	299.289116189478	2913.8570105396	2911.75377	78.20896434010923	80.3094524335597
484	266	196584	-52161.14133	767927.3170250766	39.5313368349991	-100.9842656	329464.8042353544	4377622.25090845	308.86282632404	298.91352239446	2912.1015811221633	2907.03248722684	77.0337327248289	82.1028327
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494	266	196594	-45561.14133	767927.3170250766	39.53137032874852	-100.9608089	331474.8888466844	4377581.94322496	303.7761949023937	297.302202577325	2900.25909069275803	2902.25909069275803	72.50224164974457	70.84130217484961
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLgsKgr.ft	BRIEVBthKgr.ft	SatThLgs.ft	SatThBth.ft
587	266	196687	15818.8586730335	76297.2917025076	36.53146498917169	-100.7433939	50167.9184044003	43727.0021635997	2923.0991861982175	2322.926004129026	2770.726445320754	2770.502368844893	62.1995990995045	62.42393584132615
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589	266	196689	21098.8586730335	76297.2917025076	36.53146486729153	-100.7437163	50969.90483217802	43771.9539688552	2926.320418789111	2926.825470392827	2768.3342063951	2768.3342063951	63.838952179536	63.838952179536
590	266	196690	17798.8586730335	76297.2917025076	36.53146154403335	-100.7364597	50770.8977589025	43771.960630206	2920.475380643335	2928.265546200426	2763.78134774846	2763.651589671134	63.844003790177	64.1460567309177
591	266	196691	18458.8586730335	76297.2917025076	36.53146033011879	-100.7340392	505971.8905	43771.991467	2915.581888732774	2826.706547902288	2760.392264564008	2761.7616652176257	63.8421283327989	64.9448826646239
592	266	196692	19118.8586730335	76297.2917025076	36.531460107276	-100.7317006	51172.883183764	43771.634010048	2916.013897500916	2825.14447812112	2757.95319	2759.65343594138	65.4911257203198	65.4911257203198
593	266	196693	19778.8586730335	76297.2917025076	36.5314678575897	-100.729362	51393.8765804013	43771.832602115	2916.24491	2823.58162	2755.435355626996	2757.431966880127	64.1026463302262	66.1496179530871
594	266	196694	20438.8586730335	76297.2917025076	36.53146630931381	-100.7272034	515174.8680336276	43771.6160202418	2916.88992066643	2822.019126322444	2753.03020624914	2753.03020624914	65.8824770531616	66.8824770531616
595	266	196695	21098.8586730335	76297.2917025076	36.53146486729153	-100.7437163	50969.90483217802	43771.9539688552	2926.320418789111	2926.825470392827	2768.3342063951	2768.3342063951	63.838952179536	63.838952179536
596	266	196696	21758.8586730335	76297.2917025076	36.53145342	-100.7223453	51578.85231040174	43771.758333007	2908.759434932323	2917.845673730553	2749.538514889735	2749.538514889735	69.3515302320262	69.3515302320262
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602	266	196702	25718.8586730335	76297.2917025076	36.5314437139019	-100.708148	53182.8017811056	43771.4513714388	2881.341976181027	2809.407164816624	2732.77154079547	2732.77154079547	70.168759345764	70.168759345764
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606	266	196706	28358.8586730335	76297.2917025076	36.531436218646	-100.698905	53986.765141553	43771.314710578	2855.65740125635	2802.94847125635	2726.7730264449	2726.7730264449	70.235640825003	70.235640825003
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616	266	196716	35158.8586730335	76297.2917025076	36.5314149778098	-100.6757478	55996.619510212	43770.991381	2828.05451801423	2787.665941793428	2710.652017769303	2710.652017769303	70.3467321264047	70.3467321264047
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621	266	196721	38258.8586730335	76297.2917025076	36.531402684931	-100.663882	569101.60807872575	43770.7134392588	2816.89247594924	2778.026878688294	2698.796285184645	2698.796285184645	70.386033634894	70.386033634894
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624	266	196724	40238.8586730335	76297.2917025076	36.5313940078197	-100.6569662	57604.5729221626	43770.95934150466	2816.071004345047	2773.04386647471	2691.923761	2691.923761	70.40773062136105	70.40773062136105
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630	266	196730	44198.8586730335	76297.2917025076	36.53137695892554	-100.642838	58810.4990124735	43770.803709362	2813.811854271407	2762.60558175979	2674.23309154869	2674.23309154869	70.454290211303	70.454290211303
631	266	196731	44858.8586730335	76297.2917025076	36.531373									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogs.kft	BRElevBothrk.kft	SatHtElev.kft	SatHtBoth.kft
713	266	196813	98978.85867307335	96729.7170250766	35.53096995173186	-100.4487344	375491.9928584955	4376703.609237393	93.27378627761243	2552.7046687951558	2552.703814381719	2552.6320414612255	74.8480543413677	74.91424733393023
714	266	196814	98963.85867307335	96729.7170250766	35.53063154118965	-100.4463399	375622.9694836257	4376691.62008991	7738.07162182451	2625.764233108656	2551.9507400699014	2551.8593105716541	73.8600172118575	73.9074023434252
715	266	196815	10028.85867307335	96729.7170250766	35.53096311530296	-100.440673	375693.845901133	4376656.634924968	2738.09775321693	2632.941189538849	2551.344827133895	2551.31428696906	72.6352678793428	72.659678793428
716	266	196816	100958.85867307335	96729.7170250766	35.5309442336255	-100.441718	376004.924780776	4376769.8845167267	2738.885328865565	2622.103454586565	2550.8116627349174	2550.803384181817	71.291787271591	71.2000703245178
717	266	196817	101618.85867307335	96729.7170250766	35.530942480222024	-100.4393803	376295.8987749114	4376687.6615990510	2741.717292454815	2620.240138	2550.2644638302307	2550.3927575887816	69.87567831945919	69.8473613392936
718	266	196818	102278.85867307335	96729.7170250766	35.5309351190594	-100.4370417	376496.8749972287	4376763.612676168	2545.70210214852	2549.58465127362	2549.674930731923	2549.67920977231659	68.6904247231659	68.6904247231659
719	266	196819	102938.85867307335	96729.7170250766	35.53092848841408	-100.4347302	376697.85003372007	4376769.689	2744.06728496914	2616.483915592553	2548.96786212287	2548.9655953687	67.5159293737382	67.4392620356554
720	266	196820	103598.85867307335	96729.7170250766	35.53092141974648	-100.432346	376688.8268010636	4376765.70395744	2743.2809429492521	2546.597807834124	2546.526314730827	2548.604112	66.07148599	65.9938368290222
721	266	196821	104258.85867307335	96729.7170250766	35.530915425980313	-100.430261	377059.8026490897	4376767.173536356	2742.484706216536	2546.98411538127	2546.954471487317	2548.08416	60.7248014988414	60.62584160531629
722	266	196822	104918.85867307335	96729.7170250766	35.53090714689407	-100.427875	377300.775330776	4376767.718233621	2741.7084128463946	2510.8227805383985	2547.917791827963	2547.3440895650674	63.426801094626	63.478695182241154
723	266	196823	105578.85867307335	96729.7170250766	35.5308994268929	-100.425349	377701.7538956605	43767663.46350286	2738.87590393921	2560.837829383929	2546.7259691188724	2546.7259691188724	62.211418136977	62.1834233452337
724	266	196824	106238.85867307335	96729.7170250766	35.5308926331826	-100.4230105	377702.729343675	4376659.761401025	2734.935257594375	2545.057486271357	2546.505087249857	2546.421747969908	60.5499973745887	60.5499973745887
725	266	196825	106898.85867307335	96729.7170250766	35.53088538977286	-100.4206719	377903.7046750866	4376655.776580028	2729.028584259453	2565.175497846279	2546.3221085122923	2546.22165739389	58.58338933	58.95384042920516
726	266	196826	107558.85867307335	96729.7170250766	35.5308780590508	-100.4183334	378104.678990123	4376651.797122781	2727.13190904356	2603.301366343474	2546.1801963336885	2546.1516376711076	57.1199502847886	57.14849673230796
727	266	196827	108218.85867307335	96729.7170250766	35.53087067145338	-100.415949	378305.6549990006	4376647.807358778	2721.689902128836	2601.4299476176404	2546.316811039142	2546.29174397106	55.116337848919	55.1308405158515
728	266	196828	108878.85867307335	96729.7170250766	35.530863244080294	-100.413653	378506.629719048	4376643.82102545	2721.7625776714017	2599.565197784017	2546.092239	2546.290221703061	53.4729404033711	53.4729404033711
729	266	196829	109538.85867307335	96729.7170250766	35.53085576883155	-100.4113718	378707.6480390481	4376639.83094848	2721.822714	2597.70585454485	2545.7339393727026	2545.61898932312	51.96619608176252	51.5556895212599
730	266	196830	110188.85867307335	96729.7170250766	35.53084824480721	-100.408972	378908.5769063654	4376635.85522669	2721.889183973723	2595.805833764207	2545.703754799696	2545.7589071751093	50.1740925742686	50.013959691143
731	266	196831	110858.85867307335	96729.7170250766	35.53084068280733	-100.4066407	379109.5542268513	4376631.871807063	2719.318120243637	2544.8625062729328	2544.8625062729328	2544.120627259515	50.11435162578135	49.8807521347197
732	266	196832	111518.85867307335	96729.7170250766	35.53083370203175	-100.4043302	379310.5287479671	4376627.888199649	2718.408904854323	2592.154541674975	2545.015746143901	2545.036825904721	50.07419802	51.51578162277632
733	266	196833	112178.85867307335	96729.7170250766	35.5308254160608	-100.4019638	379511.50315412274	4376623.950004431	2708.86645820002	2590.41848189653	2537.0722091855	2536.9695512981247	50.3340993111809	50.3340993111809
734	266	196834	112838.85867307335	96729.7170250766	35.53081774455403	-100.3996251	379712.4774455403	4376619.922	2703.64640540008	2588.4746648002	2536.72065624454	2536.489504508449	50.753098158771	50.7885259496311
735	266	196835	113498.85867307335	96729.7170250766	35.5308100211413	-100.397366	379915.589225696	4376615.939225696	2703.64640540008	2588.4746648002	2536.72065624454	2536.489504508449	50.753098158771	50.7885259496311
736	266	196836	114158.85867307335	96729.7170250766	35.53080217717419	-100.394948	380114.4256505403	4376611.95691818	2688.242567467314	2584.088528914363	2521.9230736797	2521.74170359052	62.8845752516319	63.067149537444
737	266	196837	114818.85867307335	96729.7170250766	35.5307943405208	-100.3926095	380315.963834551	4376607.94342565	2679.715420678474	2580.646878363014	2520.943666	2520.943666	62.0304902810121	62.0304902810121
738	266	196838	115478.85867307335	96729.7170250766	35.530766589326	-100.390271	380516.3734679047	4376603.92210854	2671.188213271036	2581.15369408179	2518.692636708048	2518.692636708048	62.4105738125556	62.4796301584164
739	266	196839	116138.85867307335	96729.7170250766	35.530743168811	-100.3879324	380717.3471888246	4376600.01288852	2671.12155905285	2579.329045603794	2515.50922735823	2515.50922735823	62.0304902810121	62.0304902810121
740	266	196840	116798.85867307335	96729.7170250766	35.5307305950487	-100.385939	380918.320791595	4376596.02857843	2667.487258670297	2577.50579669041	2508.755596671683	2508.755596671683	60.670219223263	60.670219223263
1	267	196841	370941.1413	96757.3170250766	35.53071588742987	-100.383662	381258.25299012783	4376592.7867501933	3814.72830606129	3560.2594039896	3598.696153871596	3598.696153871596	62.5308629386553	62.5308629386553
2	267	196842	370281.1413	96757.3170250766	35.5307118374447	-100.3814127	381478.51839991893	4376589.40361961536	3598.40361961536	3597.309027753024	3597.309027753024	3597.309027753024	63.135711082484	63.135711082484
3	267	196843	369621.1413	96757.3170250766	35.53062051485921	-100.3790699	381678.4865327	4376587.98907349	3813.016401332914	3567.71986836758	3593.26125823188	3594.8412971439528	64.4588610315976	62.8758712300551
4	267	196844	368961.1413	96757.3170250766	35.530621370881354	-100.3767317	381961.5917726057	4376585.87524417	3838.277331329424	3566.453692051383	3587.948622461131	3588.7241631762658	60.5896990520214	62.7298288712656
5	267	196845	368301.1413	96757.3170250766	35.53062507170306	-100.3743932	382162.7036428072	4376583.75655718	3842.204301359225	3565.188729631276	3586.456371476125	3587.353208011696	62.7325848700278	67.8532196
6	267	196846	367641.1413	96757.3170250766	35.53062220736037	-100.3720564	382363.8156447995	4376581.672622415	3846.210752134755	3563.921119671406	3586.077476	3586.32063278476	60.670219223263	60.670219223263
7	267	196847	366981.1413	96757.3170250766	35.53063747853134	-100.3697172	382582.7328622096	4376579.42508862	3852.395277195313	3562.850450874607	3584.751994875563	3584.751994875563	60.8984970595135	60.8984970595135
8	267	196848	366321.1413	96757.3170250766	35.53063244181138	-100.367379	382789.238915442	4376577.62512578	3839.789241141998	3561.37860713271958	3584.625277272195	3584.625277272195	60.702423913176	60.702423913176
9	267	196849	365661.1413	96757.3170250766	35.53063749334575	-100.3650408	382967.15006440372	4376575.14121089	3858.18705625866	3560.092732598075	3584.625277272195	3584.625277272195	60.8984970595135	60.8984970595135
10	267	196850	365001.1413	96757.3170250766	35.53063249834393	-100.3627026	383168.2610979522	4376573.08055441	3877.585018315426	3548.819787988824	3578.048000339315	3577.5456543847274	60.7170795489246	60.7170795489246
11	267	196851	364341.1413	96757.3170250766	35.5306304627677	-100.3603644	383439.3716920751	4376571.208892084	3864.53767174213	3575.3322497583567	3575.15276115074	3575.15276115074	62.20452659056456	62.20452659056456
12	267	196852	363681.1413	96757.3170250766	35.53062337284773	-100.3580262	383704.24811091058	4376569.737912	3876.61768049703	3546.2517484143514	3572.4133595955103	3571.723038079298	63.383885484106	62.74527013035535
13	267	196853	363021.1413	96757.3170250766	35.53062574232546	-100.355688	383971.59226668	4376568.592167613	3864.9651873967	3546.376111035135	3568.89651424361	3568.89651424361	60.7608393194765	60.7608393194765
14	267	196854	362361.1413	96757.3170250766	35.53062656992324	-100.353349	384292.7207159003	4376567.43947482	3868.729623250107	3543.670462829943	3566.30435324092	3566.30435324092	60.7339776802505	60.7339776802505
15	267	196855	361701.1413	96757.3170250766	35.5306274587671	-100.351068	384593.747489893	4376566.748989156	3872.4317420721867	3542.941527271867	3564.82438981967	3564.82438981967	60.7339776802505	60.7339776802505
16	267	196856	361041.1413	96757.3170250766	35.53062513796735	-100.348735	384835.2517175785	4376565.178234032	3882.093273250143	3541.090260119127				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	WLn	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SurthLogKrg.ft	SurthBotH.ft
97	267	196939	-306261.1413	97957.3170250766	39.528420753245785	-101.8848978	25606.1043721209	4739933.504	378.2612325755614	35.20.012252398874	3429.7100982882002	3431.387128643407	90.92112695168715	97.61409718
100	267	196940	-305601.1413	97957.3170250766	39.52847498324009	-101.8822293	25267.1924305487	4739399.38476216	375.526027569773	35.20.07394244545	3427.9836818532647	3429.26713757369596	90.483018758495	97.61409718758495
101	267	196941	-304841.1413	97957.3170250766	39.52846830845696	-101.878281	25348.29024405051	4739385.265447792	370.7980528187334	35.18.58413181846	3426.498070438915	3427.868145987874	90.4850738192471	97.61409718758495
102	267	196942	-304281.1413	97957.3170250766	39.5284897772264	-101.8787826	25369.36871823058	4739381.74856216	370.6505125186173	35.20.01548128333	3425.271188902028	3426.19013760398	90.8042671980427	98.84140765
103	267	196943	-303621.1413	97957.3170250766	39.52851054221079	-101.8752443	25280.4551370945	4739377.02722597	369.9176087964892	35.22.724867843856	3424.203061946163	3425.70477495986	90.9159438222268	98.6146092342701
104	267	196944	-302961.1413	97957.3170250766	39.52853013510319	-101.872906	25307.15422170513	4739372.9091308	369.2376809778898	35.22.4211274989	3421.314477482519	3422.74950350826	101.70673292468	99.6726381262913
105	267	196945	-302301.1413	97957.3170250766	39.52852001568075	-101.8705677	253272.6290520247	4739368.791	368.4836017621802	35.21.37232058891	3417.914571716735	3420.2388714319563	101.7307803421277	100.893509493858
106	267	196946	-301641.1413	97957.3170250766	39.52857264646244	-101.8682293	253473.7156445657	4739364.617	367.295211743670	35.19.85364662868	3415.385680256515	3418.699172985154	104.45796363932278	101.153334067130
107	267	196947	-300981.1413	97957.3170250766	39.52856833084755	-101.865881	253674.00199312625	4739355.56882991	367.455268187334	35.18.58413181846	3415.4528146180237	3417.806703736107	105.13258976736107	100.7787697950412
108	267	196948	-300321.1413	97957.3170250766	39.52861387911911	-101.863527	253875.8809708837	4739356.43696673	367.116297722086	35.17.228989189755	3411.8332702381953	3417.150517015015	105.48371740978012	100.1748451747398
109	267	196949	-299661.1413	97957.3170250766	39.52863420505939	-101.8612143	254076.9783959373	4739352.319	367.8169967722038	35.16.07723856028	3410.3180883898963	3416.607863167015	105.750117183979	99.4693754
110	267	196950	-299001.1413	97957.3170250766	39.52865490898984	-101.858876	254278.0595778231	4739348.20186439	368.037607262134	35.14.83551563655	3408.832933440134	3416.901561	106.0025821932417	97.93395477314516
111	267	196951	-298341.1413	97957.3170250766	39.52867535203661	-101.8565376	254479.14495338054	4739345.08512702	368.2544621851744	35.13.600757	3407.337914132916	3416.5145022505277	106.2682426904414	97.78454764232
112	267	196952	-297681.1413	97957.3170250766	39.5286957000428	-101.8541993	254680.230066772	4739339.96827444	368.782750480622	35.12.371957758462	3405.596258939043	3415.59835237333	106.7766979174463	96.77305381497
113	267	196953	-297021.1413	97957.3170250766	39.52871610280285	-101.851861	254881.31467971912	4739335.85167493	369.23991791202994	35.11.4889947172718	3404.0980652963245	3415.3012197125036	107.0500243094723	95.8487630476821
114	267	196954	-296361.1413	97957.3170250766	39.528736410432195	-101.8495228	255082.3962401117	4739331.735	369.6725077545777	35.09.928137831685	3402.588010633704	3413.271058190063	107.3401273194915	96.657073416217
115	267	196955	-295701.1413	97957.3170250766	39.52875657892325	-101.8471843	255283.4804310601	4739327.619024478	369.9050546150255	35.08.1710650385034	3400.960298463609	3409.46114584179	107.7057667489444	99.2491948673643
116	267	196956	-295041.1413	97957.3170250766	39.52877680918324	-101.8448459	255484.56819537192	4739320.53006066	370.11995297021476	35.07.495875011576	339.9212555004687	3398.451958490987	108.20461951110747	102.72826605471
117	267	196957	-294381.1413	97957.3170250766	39.52879760231484	-101.8425076	255685.65221801028	4739319.387305049	370.249237489147	35.06.281603702783	3397.478624100301	3400.05588892137	108.2290174765014	106.2260174765014
118	267	196958	-293721.1413	97957.3170250766	39.52881718926708	-101.8401692	255886.7389692651	4739317.2716316	370.677339876119	35.05.267403874216	3396.298696532547	3396.134102505193	108.77047084816695	108.3310913690234
119	267	196959	-293061.1413	97957.3170250766	39.5288377104993	-101.8378309	256087.8193392987	4739311.15643909	370.7427001250626	35.03.85224509484	3395.95023759153	3393.26106400413	109.071722250712	110.6402549344414
120	267	196960	-292401.1413	97957.3170250766	39.52885371	-101.8354268	256288.90532022	4739307.04133276	370.442475095793	35.02.63585916805	3390.406263055503	3390.49924542462	112.2330560145487	112.1630620344312
121	267	196961	-291741.1413	97957.3170250766	39.52886912910739	-101.8329145	256494.4256434551	4739304.452684131	370.1163248598238	35.01.68265923936	3389.1163248598238	3389.1163248598238	127.9433961634292	127.9433961634292
122	267	196962	-291081.1413	97957.3170250766	39.52889725	-101.8308158	256691.0824141758	4739298.817711592	369.81985589211	35.00.195515456037	3385.418920194591	3384.187206623409	114.7706953051027	116.007879182631
123	267	196963	-290421.1413	97957.3170250766	39.52891715	-101.8284775	256892.1509913673	4739294.69713172	369.819444487564	3498.970231	3383.045857000987	3380.3364638186026	115.9243741583137	118.63374837488274
124	267	196964	-289761.1413	97957.3170250766	39.52893702402231	-101.8261391	257093.2328239067	4739290.583008057	369.6330869976533	3497.740262398951	3380.930204275457	3375.7951961271994	116.1858214031	121.94687707715162
125	267	196965	-289101.1413	97957.3170250766	39.52895681318811	-101.8238088	257294.3149254338	4739286.49603068	369.46758950309	3496.5104036160037	3378.8627488729114	3374.961062871192	117.64765674309228	126.1343407481481
126	267	196966	-288441.1413	97957.3170250766	39.528976578794295	-101.8214264	257495.3968626982	4739282.35250862	369.240233203843	3495.73373879281	3376.65110214754736	3363.642126959617	118.62436140380714	131.6332460919607
127	267	196967	-287781.1413	97957.3170250766	39.528996699271079	-101.8198241	257696.4782003931	4739278.41673123	369.0189629	3494.93275973329	3374.6124897126637	3356.10829224488	119.4547836999496	127.9433961634292
128	267	196968	-287121.1413	97957.3170250766	39.52901751592758	-101.817671	257897.1540561421	4739274.123055408	369.7440149033464	3492.785105452304	3372.744717223404	3372.744717223404	128.3124283118997	141.01891481789
129	267	196969	-286461.1413	97957.3170250766	39.52903505455457	-101.8144473	258088.6045178909	4739270.701553276	369.7927736199218	3491.549330991107	3370.551448231235	3352.84790775869	121.04418616799467	138.70142319523814
130	267	196970	-285801.1413	97957.3170250766	39.529055189471826	-101.812109	258299.721381057	4739265.90222459	369.184084549948	3490.3001996828	3368.55002	3352.30611996828	121.7480182512813	137.9604877504137
131	267	196971	-285141.1413	97957.3170250766	39.52907472921919	-101.8097706	258500.80187957184	4739261.789508268	368.98209	3489.07710030338	3366.4985049045	3352.84790775869	122.55281489129261	138.045610352835
132	267	196972	-284481.1413	97957.3170250766	39.529094223796726	-101.8074323	258790.18820249476	4739257.677008734	368.72936706434	3484.55330818975	3357.247017577681	3352.30611996828	123.2390588745902	130.5483212875297
133	267	196973	-283821.1413	97957.3170250766	39.529113873204338	-101.8050938	258992.862267808	4739253.56472665	368.679994887407	3486.335811484304	3352.30611996828	3352.30611996828	123.2390588745902	129.963287722546
134	267	196974	-283161.1413	97957.3170250766	39.529133077472865	-101.8027565	2591404.042135453	4739249.452684131	368.475268927329	3485.27989270491	3350.81963296733	3347.744717223404	127.9433961634292	127.9433961634292
135	267	196975	-282501.1413	97957.3170250766	39.5291524056509726	-101.8004172	259305.12174208093	4739245.340819833	368.0197782583043	3484.1977822583043	3348.853168019817	3356.805830951988	125.1588098265776	127.11338317322064
136	267	196976	-281841.1413	97957.3170250766	39.52917715	-101.7980788	259506.201128975	4739241.22918572	367.05771871590303	3482.74191848343	3355.95796350009	3354.790773640677	125.78395344825367	127.9623958275472
137	267	196977	-281181.1413	97957.3170250766	39.5291919135034	-101.7957404	259707.2804262023	4739237.118	366.9263603641	3481.423419174755	3354.91351	3352.592902193678	125.78395344825367	127.9623958275472
138	267	196978	-280521.1413	97957.3170250766	39.5292104269258	-101.793402	259908.3954122034	4739233.00683187	366.4664920170231	3480.203401316185	3353.500919585326	3351.30120424589	126.7024815463592	129.963287722546
139	267	196979	-279861.1413	97957.3170250766	39.52922942107998	-101.7910367	259910.43780110046	4739230.869560119	366.7670972375335	3478.9348816675797	3351.6725857452816	3349.608591868216	127.262999229221	129.963287722546
140	267	196980	-279201.1413	97957.3170250766	39.5292485	-101.7887235	260035.15622310543	4739224.78484333	366.8662602775975	3475.96335147814	3349.675557	3349.608591868216	127.262999229221	129.963287722546
141	267	196981	-278541.1413	97957.3170250766	39.52926784657468	-101.7864085	260267.6723572638	4739218.35378751	366.625263085496	3475.12968300418	3348.963093172233	3345.0148967307	127.1688738319476	129.963287722546
142	267	196982	-277881.1413	97957.3170250766	39.52928685221074	-101.7840515	260472.6723572638	4739218.35378751	366.625263085496	3475.12968300418	3348.963093172233	3345.0148967307	127.1688738319476	129.963287722546
143	267	196983	-277221.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
225	267	197065	-223101.1413	967957.31720250766	39.530709771712257	-101.5899593	277401.3382728511	4738786.193624134	3496.520651262938	3730.0485156143627	3223.2946258199404	3230.2156759930235	14.75388979442232	139.832935684412773
226	267	197066	-222441.1413	967957.31720250766	39.530725025577276	-101.5876208	27802.3970921317	4738787.01522456	3488.2760445678193	3344.104710043713	3224.012294423959	3224.01229445745142	14.72142591704052	140.2324859278001
227	267	197067	-221781.1413	967957.31720250766	39.5307422089766	-101.5861823	277803.6296992037	4738788.979637406	3484.536537389092	3356.219378091082	3226.7176370091684	3226.7176370091684	13.91162639259086	137.914563434811508
228	267	197068	-221121.1413	967957.31720250766	39.53075536969758	-101.5829439	278004.5140754518	4738789.786796892	3485.3010489055095	3364.304429199437	3228.09684781218	3228.7604351965883	13.64465438279736	133.5439391339397
229	267	197069	-220461.1413	967957.31720250766	39.530770499903106	-101.5806054	278205.572237585	4738789.796517138	3486.06566221240	3362.3916053272196	3229.0728294480184	3231.043546793103	13.51877587920126	131.3480585341762
230	267	197070	-219801.1413	967957.31720250766	39.530781655766551	-101.5782669	278406.6301824411	4738789.750528164	3486.8303567986737	3329.379055667065	3229.468495479212	31.1043013106681	13.101495730075248	131.01495730075248
231	267	197071	-219141.1413	967957.31720250766	39.5308005025474	-101.5759284	278607.6879090641	4738789.612363135	3481.7361624361298	3358.681177481244	3228.4332521961624	3225.973695275553	13.214891955196208	132.6048920256913
232	267	197072	-218481.1413	967957.31720250766	39.53081556767083	-101.57359	278808.7541773717	4738789.45263432	3470.783227987418	3356.691396048053	3232.229736969837	3232.429847856997	13.3489169022286	134.1651481923558
233	267	197073	-217821.1413	967957.31720250766	39.53083046991365	-101.5712581	279009.8027866661	4738789.3142871487	3468.23514641167526	3356.219378091082	3236.7176370091684	3236.7176370091684	13.501162639259086	138.0162639259086
234	267	197074	-217161.1413	967957.31720250766	39.53084536983767	-101.568913	279210.8597205514	4738789.3427005514	3448.8719453467255	3352.951123677595	3216.823220184512	3216.823220184512	13.6172833462235	136.903349050402
235	267	197075	-216501.1413	967957.31720250766	39.530860282879604	-101.5665745	279411.638611111	4738789.25234766	3438.688087	3351.1057139636652	3213.5378043634487	3217.56791620012616	13.86961919008795	138.961919008795
236	267	197076	-215841.1413	967957.31720250766	39.53087502560267	-101.564236	279612.972727044	4738789.16214903	3424.25631008289	3349.2799239890347	3210.08501900875	3210.112710196366	13.981939049752884	138.167182203275
237	267	197077	-215181.1413	967957.31720250766	39.53088977175238	-101.5618976	279814.0296990479	4738789.072999689	3417.4578471852063	3326.042795319375	3206.167856060387	31.141329518326882	14.131386882516956	139.131386882516956
238	267	197078	-214521.1413	967957.31720250766	39.530904453828744	-101.5595591	280015.089043387	4738788.983197243	3417.3987540879798	3320.906045	3200.906045	3201.152002938426	14.44783348238994	144.54725041372
239	267	197079	-213861.1413	967957.31720250766	39.53091914473173	-101.5572206	280216.1419	4738788.89391155	3408.636714874717	3315.274254894818	3195.80141489141	3212.273699986765	14.813058100176263	148.13058100176263
240	267	197080	-213201.1413	967957.31720250766	39.5309330376	-101.5548812	280417.197655668	4738788.804811597	3401.5421	3312.202486719515	3188.834167	3189.268308	13.36830026358166	152.931477003051416
241	267	197081	-212541.1413	967957.31720250766	39.53094833161743	-101.5525438	280618.2532219789	4738788.715868516	3393.448174569568	3340.4912140434267	3189.411378399246	3195.799428263555	15.07983567141099	144.6962411707118
242	267	197082	-211881.1413	967957.31720250766	39.53096285730009	-101.5502502	280819.380624657	4738788.623735041	3385.353803745058	3320.801990136395	3192.135363563937	3207.166162639147	14.6666354552458	141.6362437777853
243	267	197083	-211221.1413	967957.31720250766	39.5309773788029	-101.5478667	281020.3638672675	4738788.53839203	3383.67403664773	3327.1335187304253	3193.7960185931574	3208.2567180973845	14.833750013726785	128.87637753304084
244	267	197084	-210561.1413	967957.31720250766	39.53099173140923	-101.5455282	281212.4185965874	4738788.451	3380.408801596796	3335.484320432317	3194.6220128743244	3207.218507009388	14.8623075579926	128.2658140417284
245	267	197085	-209901.1413	967957.31720250766	39.53100616331414	-101.5431897	281422.4739095755	4738789.32739498	3381.1435767036	3333.8529348895595	3194.867017861905	3205.80100326388	13.9859161323698	128.0436346
246	267	197086	-209241.1413	967957.31720250766	39.53102050830266	-101.5408512	281623.527696555	473879.274698832	3379.87835181692	3327.273626056435	3194.83479624317	3204.803546384712	13.7349444532998	136.71536711304
247	267	197087	-208581.1413	967957.31720250766	39.5310351965859985	-101.538512	281829.628126292	473879.318668361	3378.89382676114	3326.64369871784	3194.2348971916	3191.744431	13.2459245484471	127.961757650076
248	267	197088	-207921.1413	967957.31720250766	39.531049062758825	-101.5361742	282025.6318312524	4738792.1007728	3380.26500590633	3329.051871964638	3194.531204071545	3200.124310684296	14.5205815753213	129.7556150640162
249	267	197089	-207261.1413	967957.31720250766	39.53106332722641	-101.5338357	282226.6901812895	473879.01256611	3382.074031579256	3327.478742047998	3194.1279315461234	3199.057038319275	13.35081050187455	128.45216587282283
250	267	197090	-206601.1413	967957.31720250766	39.5310774365203	-101.5314972	282427.7436388847	473879.7926051493	3372.2803102461576	3325.918217107673	3193.586438026164	3197.6379691808474	13.23317791	128.2802479268527
251	267	197091	-205941.1413	967957.31720250766	39.53109155540536	-101.5291587	282628.7904560817	473879.938392636	3369.05963887442	3324.3666479280525	3192.9471431971633	3196.0471637869674	13.61962472368914	132.2248416395578
252	267	197092	-205281.1413	967957.31720250766	39.5311052956701	-101.5268023	282829.8503284955	4738795.752981482	3374.053108107774	3323.82691971332	3192.1860416106497	3194.2282093844274	13.6466503130327	128.0466048752558
253	267	197093	-204621.1413	967957.31720250766	39.53111965859985	-101.5244133	283030.9603177523	473879.618668361	3372.64369871784	3321.64369871784	3194.2348971916	3191.744431	13.2459245484471	127.961757650076
254	267	197094	-203961.1413	967957.31720250766	39.5311333136	-101.5221433	283231.959738905	473879.605971198	3371.84771704448	3319.804286495424	3189.82305653378	3192.756422111367	12.98603429959633	129.8603429959633
255	267	197095	-203301.1413	967957.31720250766	39.53114756033867	-101.5198048	283433.0853620865	4738793.44774682	3380.316215256923	3318.312650276383	3188.59505555526	3192.744296956116	12.97175152063052	130.0665989126714
256	267	197096	-202641.1413	967957.31720250766	39.53116147363489	-101.5174663	283634.0608758196	473879.40916875	3376.846326441834	3316.83578835179	3187.744791	3186.780130608907	12.98787871940895	130.3598050822813
257	267	197097	-201981.1413	967957.31720250766	39.53117352711223	-101.5151278	283835.1130026243	4738794.323778869	3373.371291379952	3315.37196974403	3186.499806783467	3186.12310260957	12.8773860190937	128.7873860190937
258	267	197098	-201321.1413	967957.31720250766	39.531189124615686	-101.5127893	284036.164916299	4738791.23805556	3389.896256217567	3313.923775576076	3186.244185595024	3187.1675989064328	12.71675989064328	127.3132679357949
259	267	197099	-200661.1413	967957.31720250766	39.531202882452324	-101.5104508	284237.2168186436	4738793.154	3389.65500707814	3312.485169895347	3185.018910020405	3187.787890235077	12.746525969494186	127.697890235077
260	267	197100	-200001.1413	967957.31720250766	39.53121659490776	-101.5081123	284438.269126292	473879.318668361	3378.89382676114	3312.64369871784	3194.2348971916	3191.744431	13.2459245484471	127.961757650076
261	267	197101	-199341.1413	967957.31720250766	39.53123028222524	-101.5057738	284639.3193859137	473879.984838399	3385.61454520187	3309.603297783878	3183.79303554355	3182.65582677887	12.85117922400283	127.85117922400283
262	267	197102	-198681.1413	967957.31720250766	39.531243864489925	-101.5034353	284840.3704517834	4738794.200076082	3378.636901021376	3320.701769458054	3183.14766961782	3183.4804338514694	12.9503100872243	129.7556150640162
263	267	197103	-198021.1413	967957.31720250766	39.53125756152346	-101.5010968	285041.4213608426	473879.201816	3386.77269533303	3306.78529303055	3182.301948	3181.977889397382	12.48326102759529	124.8071329752562
264	267	197104	-197361.1413	967957.31720250766	39.5312709383294	-101.4987583	285242.4719490179	473879.7613210953	3400.050507132215	3305.33571900107	3181.0909786943516	3181.127265341814	12.4445923065934	124.163305284223
265	267	197105	-196701.1413	967957.31720250766	39.53128440068315	-101.4964197	285443.5228079614	473879.1264850724	3381.3283189274233	3317.8939706908274	3187.641799060824	3187.641799060824	12.51935522076614	125.1935522076614
266	267	197106	-196041.1413	967957.31720250766	39.53129756152346	-101.49404812	285644.5726011626	473879.708356	3426.60631	3302.2477054445671	3177.530621270988	3177.530621270988	12.4791860095908	128.74148267368376
267	267	197107	-195381.1413	967957.31720250766	39.531310874728129	-101.4917717	285845.628126292	473879.318668361	3378.89382676114	3312.64369871784	3194.2348971916	3191.744431	13.2459245484471	127.961757650076
268	267	197108	-194721.1413	967957.31720250766	39.5313246907721	-101.4894042	286046.674112387	473879.984838399	3385.61454520187	3309.6032977				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
352	267	19191	-139941.1413	967957.3170250766	36.53227353612487	-101.2953053	30273.0923557244	47837862.26254964	3347.1088621433238	370.0776777051192	3080.8303609783284	370.9504872348557	89.84741652286357	91.62290512036476
352	267	19191	-139281.1413	967957.3170250766	36.53226489257508	-101.25294668	302934.1522045521	47837858.197397508	3344.422135926171	3169.434911634364	3079.2723646882005	370.9710896511923	90.1626694643334	92.24782198344155
353	267	19193	-138621.1413	967957.3170250766	36.53229443389494	-101.2966282	30335.1576003985	47837854.176003985	3337.483370341785	3168.21225739698	3077.9036370343228	370.9439370343228	90.3048635333328	92.71085496303449
354	267	19194	-137961.1413	967957.3170250766	36.53230386994737	-101.2882896	30336.1903232641	47837860.030276	3339.10676571866	3167.007004114272	3076.2100966845715	370.931966531993	90.79604945725578	93.8076784778272
355	267	19195	-137301.1413	967957.3170250766	36.53231320686462	-101.285951	30337.2229356047	47837846.04000517	3337.806334227898	3165.81818816321	3074.683687574546	370.91099248241217	91.13460104177511	94.71894037489938
356	267	19196	-136641.1413	967957.3170250766	36.53232066661538	-101.2836125	30337.38.25467142486	47837840.00005714	3337.866158397114	3164.654084247925	3073.166540401517	3068.872609345474	91.47835031864074	96.7653633133065
357	267	19197	-135981.1413	967957.3170250766	36.53233139718524	-101.2812739	30339.28665706334	47837837.86296659	3337.9299625662349	3163.4895170771088	3071.710325759716	3066.422551330218	91.77919131732892	97.06696574
358	267	19198	-135321.1413	967957.3170250766	36.53234128257897	-101.278933	30340.18126508174	47837831.87233438	3337.9918067356427	3162.350677364796	3070.207170356836	3069.42976851992	91.8821084579643	98.9211084579643
359	267	19199	-134661.1413	967957.3170250766	36.5323502279656	-101.2765862	30341.3497524853	47837829.685662	3337.287400313428	3161.235639550386	3068.655486310847	3069.07964562966	92.56831592836583	99.54407182697721
360	267	19200	-134001.1413	967957.3170250766	36.53235971763801	-101.2742582	30342.3810250811	47837826.6823329	3335.81628339978	3160.101818	3066.477901372563	3060.36134090295	93.62391571258913	99.54407182697721
361	267	19201	-133341.1413	967957.3170250766	36.53236866770327	-101.2719196	30343.47412814716	47837821.623	3335.43236628327	3158.89206309194	3064.6487238193363	3062.65453553553	93.4340311158313	96.33476157355622
362	267	19202	-132681.1413	967957.3170250766	36.53237797293204	-101.269581	30344.4431090562	47837817.565086047	3332.874369273078	3157.841309406103	3061.96829264788	3062.486023169917	95.9160383	95.98820777609313
363	267	19203	-132021.1413	967957.3170250766	36.53238703190514	-101.2672425	30345.40514738	47837813.498009664	3331.110842112737	3156.784108412728	3058.818967414499	3061.215458399723	97.96133822867	96.3363241204081
364	267	19204	-131361.1413	967957.3170250766	36.53239604621786	-101.2649039	30346.50434148307	47837809.43510847	3329.054742296116	3155.86826476396	3055.423100506655	3055.06522892929	100.26267409071082	99.080596430082
365	267	19205	-130701.1413	967957.3170250766	36.53240501540215	-101.2626933	30347.55475347	47837805.374	3326.99693306763	3154.584741123895	3053.7109512953425	3052.234281848986	102.3531794221792693	99.33417629430012
366	267	19206	-130041.1413	967957.3170250766	36.5324138939624	-101.2602267	30348.5649115827	47837801.31189758	3324.942544222955	3153.489049347164	3054.370371778997	3047.90718095259	105.108921558167	105.490863364582
367	267	19207	-129381.1413	967957.3170250766	36.53242281819408	-101.2578881	30349.5948682756	478297.25026477	3321.853377697495	3152.386837942684	3048.101525404268	3047.08011280782	104.2833073930623	104.496719968066
368	267	19208	-128721.1413	967957.3170250766	36.53243165	-101.2555496	30350.6246710061	478293.188847021	3317.731023641731	3151.28309195434	3047.753976964209	3047.653751421364	103.9521449945631	103.623405378101
369	267	19209	-128061.1413	967957.3170250766	36.5324404028082	-101.253211	30351.65426595787	478289.128	3313.608709524583	3150.176174266166	3047.2455429703477	3047.187900733084	102.9309454562886	102.9882295360743
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371	267	19211	-126741.1413	967957.3170250766	36.53245788166204	-101.2485338	30353.7128874475	478281.05887185	3305.54020105197	3147.9498303050185	3045.83960490487	3045.8253017283495	102.1132861453143	102.1266227669604
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375	267	19215	-124101.1413	967957.3170250766	36.53249222312705	-101.2391795	30357.82576236314	478267.06284667	3289.671852239625	3143.87896038675	3042.571837755784	3044.416118414289	100.86965184808332	99.02267119
376	267	19216	-123441.1413	967957.3170250766	36.53250068453226	-101.2368409	30358.85623479506	478260.70521685	3284.324400758749	3142.30255411252	3041.728528425189	3040.41065367958	100.5740264	97.9149424359406
377	267	19217	-122781.1413	967957.3170250766	36.5325091217728	-101.2345023	30359.884938119151	478255.645783613	3278.96446573673	3141.1650406312338	3040.97738013417	3040.97738013417	96.4528510104179	96.4528510104179
378	267	19218	-122121.1413	967957.3170250766	36.53251790344566	-101.2321367	30360.1921252593	478252.58685021	3323.628891826263	3140.027127944164	3040.2130021669914	3040.3505624083654	98.91412578	94.6764553579496
379	267	19219	-121461.1413	967957.3170250766	36.5325262303101	-101.229825	30361.33892424584	478249.3794252	3320.8812986216263	3138.8642661353407	3039.4120561353407	3039.4120561353407	94.47286734448433	94.47286734448433
380	267	19220	-120801.1413	967957.3170250766	36.53253501415881	-101.227486	30362.3674454645	478246.106841522	3318.7370970419542	3137.730790612594	3038.7197819542	3038.7197819542	97.979468050227	97.979468050227
381	267	19221	-120141.1413	967957.3170250766	36.53254372798873	-101.225148	30363.9477939646	478240.41	3312.356784168204	3136.58633206859	3037.8211010569817	3046.446271385	98.7652371486772	90.13917604030496
382	267	19222	-119481.1413	967957.3170250766	36.53255057915029	-101.2228094	30364.990519246332	478235.361623932	3312.2057501992793	3135.4278466419304	3037.009817176677	3046.016942711981	98.42088234477934	93.82616979019413
383	267	19223	-118821.1413	967957.3170250766	36.53255875813533	-101.2204708	30365.986488621485	478232.29438259	3312.6589342468905	3134.2599504513566	3036.139843444865	3038.5165219793876	98.1120126907964	95.7434263417859
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387	267	19227	-116181.1413	967957.3170250766	36.53259190370971	-101.211164	30369.1286492224	478216.06284667	3312.4389487258	3129.854818552742	3032.450484204732	3042.4748678197	97.0709001	97.0709001
388	267	19228	-115521.1413	967957.3170250766	36.5325985341179	-101.2087779	30370.11080911183	478212.006	3312.350255356203	3128.2596405965262	3031.197604402166	3031.012777499525	97.06203655047604	97.06203655047604
389	267	19229	-114861.1413	967957.3170250766	36.5326067233726	-101.2064393	30371.263731406	478207.948847317	3312.071922131277	3029.8837632782954	3029.2225745288152	3031.2145885288152	97.06203655047604	97.06203655047604
390	267	19230	-114201.1413	967957.3170250766	36.53261456208601	-101.2041007	30372.3052329074	478203.89169271	3312.287284730676	3127.60196801017	3028.2415859502629	3031.038418002353	97.06203655047604	97.06203655047604
391	267	19231	-113541.1413	967957.3170250766	36.53262236658166	-101.2017621	30373.2576380944	478200.835706572	3312.54889491733	3124.486813740804	3028.329346176109	3031.038418002353	97.06203655047604	97.06203655047604
392	267	19232	-112881.1413	967957.3170250766	36.53263010505361	-101.1994233	30374.2815042274	478196.79459208	3312.6119032370587	3123.196264	3032.38442764036	3031.038418002353	97.06203655047604	97.06203655047604
393	267	19233	-112221.1413	967957.3170250766	36.5326379423815	-101.1971643	30375.3052329074	478192.8167349	3312.730790612594	3122.164075171823	3031.038418002353	3031.038418002353	97.06203655047604	97.06203655047604
394	267	19234	-111561.1413	967957.3170250766	36.5326457846314396	-101.1949438	30376.331703376	478187.7610455	3312.779531851296	3120.55901429339	3030.961992472034	3031.038418002353	97.06203655047604	97.06203655047604
395	267	19235	-110901.1413	967957.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg	BRiElevBothKrg	SurfElevKrg	SurfElevBoth
477	267	19317	-56781.14133	967957.3170250766	36.53312368251289	-101.000616	328061.7788057715	4777851.784815212	3115.4759942194111	2986.9176411999165	2916.9513310987282	2916.340131136684	81.96633021	82.57735086282008
478	267	19318	-56721.14133	967957.3170250766	36.53312754666714	-100.998303	32862.7848502742	4777847.748695058	3115.4327592154275	2997.5053262770534	2916.137680053325	2916.137680053325	81.93755827	81.9855082426682
479	267	19319	-55681.14133	967957.3170250766	36.53313136564374	-100.998464	32863.7984774868	4777848.88850834	3114.0002911725282	2986.910171725282	2914.4717908149497	2914.4717908149497	81.671233081107	81.671233081107
480	267	19320	-54001.14133	967957.3170250766	36.53313519424269	-100.993257	32864.8083202473	477783.671981001	3111.480904	2994.66747217968	2914.274011413251	313.6008305200622	80.9396010471708	81.06704368
481	267	19321	-54141.14133	967957.3170250766	36.53313886063965	-100.9912871	32865.8178821863	477783.634662278	3106.812484195693	2993.2380480485886	2913.158338612937	2912.2462574923024	80.7921422329401	80.99179059138623
482	267	19322	-53481.14133	967957.3170250766	36.53314255150758	-100.9898485	32906.8273527671	477783.598	3104.26130534504	2991.745947047206	2911.78130239802	2910.620180962186	81.1744137420193	81.1744137420193
483	267	19323	-52821.14133	967957.3170250766	36.533146189773504	-100.9866099	32927.83667022473	477782.561229405	3102.52747576954	2993.336889918241	2910.67654224044	2908.8446622179364	79.7282156777748	81.49117767388498
484	267	19324	-52161.14133	967957.3170250766	36.5331497826175	-100.9842712	32948.8458150681	477781.52480378	3097.178825066746	2988.860168498824	2909.9212419728965	2909.174718464181	79.7282156777748	81.1744137420193
485	267	19325	-51501.14133	967957.3170250766	36.53315330772285	-100.9818526	32969.857940172	477780.48850834	3098.910171725282	2986.910171725282	2908.668188740004	2907.58453271824	79.6686728891058	79.6686728891058
486	267	19326	-50841.14133	967957.3170250766	36.53315693	-100.979594	32970.8637225017	477781.45205836	3098.101528149313	2985.9443993113	2907.54474699758	2906.24451963953	79.6402033	79.6402033
487	267	19327	-50181.14133	967957.3170250766	36.53316020106025	-100.9775254	32970.8637225017	477781.41685007	3083.603204347736	2984.1039933674	2906.7366412288747	2903.857630598367	79.1743580811918	80.4533687342689
488	267	19328	-49521.14133	967957.3170250766	36.5331637034766	-100.9749167	33027.8807375032	477780.2816071605	3079.456659637533	2982.749184062954	2905.769131165039	2903.26968587917	79.67876724125621	79.47838491832375
489	267	19329	-48861.14133	967957.3170250766	36.533167067336	-100.9725781	33034.8890549087	477783.35668351	3075.361703797716	2981.1584652409215	2905.279962191916	2902.87868073763	79.7895650323853	79.7895650323853
490	267	19330	-48201.14133	967957.3170250766	36.5331703265931	-100.9702395	33064.7872074325	477779.31048063	3071.22649	2979.54221286247	2904.2909150547684	2901.63261134854	79.2512971165876	79.90393151157328
491	267	19331	-47541.14133	967957.3170250766	36.5331736995035	-100.9679009	33078.935052	477778.27515249	3068.5002135338947	2977.900021395103	2902.8988107757038	2902.10235	79.9032123660698	79.9767349
492	267	19332	-46881.14133	967957.3170250766	36.53317690117002	-100.965622	33107.061391701	477779.24075936	3058.181429754084	2976.231147803487	2901.345335936296	2901.146506386296	79.8891389695826	79.8891389695826
493	267	19333	-46221.14133	967957.3170250766	36.53318006765877	-100.9632236	33127.8206717831	477778.26271927	3050.852636254729	2974.536515120553	2900.220013022382	2998.92547511465	79.3165020981546	79.6108675604031
494	267	19334	-45561.14133	967957.3170250766	36.53318328969754	-100.960885	33147.8281279687	477783.171892015	3042.543642754469	2972.81552534219	2899.342822671087	2987.542197165165	79.274287803788	79.274287803788
495	267	19335	-44901.14133	967957.3170250766	36.533186325102974	-100.9585463	33167.935650422916	477779.138	3038.2184881962	2971.070815245141	2898.1769804891665	2898.18682017506	79.2893834	79.2893834
496	267	19336	-44241.14133	967957.3170250766	36.5331893760584	-100.9562077	33180.4246718538	477781.10382024	3034.884707444975	2969.304523386846	2896.7916832329033	2896.801018161706	79.2512971165876	79.2512971165876
497	267	19337	-43581.14133	967957.3170250766	36.5331923813614	-100.9538691	33201.949670464	477771.070200085	3028.596122816238	2967.519302216238	2895.0498811300145	2895.626051783994	79.2496831316926	79.2496831316926
498	267	19338	-42921.14133	967957.3170250766	36.53319534243606	-100.9515305	33222.9655170107	477767.0367104	3026.2244571008	2965.71826217022	2892.73971888624	2893.875143553065	79.2785432239688	79.2785432239688
499	267	19339	-42261.14133	967957.3170250766	36.53319836785819	-100.9491786	33243.904771722	477763.004771722	3024.570091204396	2963.9481770861	2891.5165447192	2891.5165447192	79.2496831316926	79.2496831316926
500	267	19340	-41601.14133	967957.3170250766	36.53320112810254	-100.946532	33264.9671090694	477759.07438285	3027.5349631477407	2962.031085231183	2885.86053697086	2893.345707181787	79.2247145340248	79.13640135
501	267	19341	-40941.14133	967957.3170250766	36.53320385316908	-100.9445146	33285.9780626516	477754.9376122	3028.185914770827	2960.256934701015	2885.907353456265	2882.269897017784	79.4345994244755	79.87705407
502	267	19342	-40281.14133	967957.3170250766	36.5332067	-100.9421759	33306.862352462	477750.95000591	3028.83662446329	2958.429389	2889.9150534367	2883.389241439372	79.65278234673426	79.50401742541809
503	267	19343	-39621.14133	967957.3170250766	36.533209467770114	-100.9398373	33327.988305617	47754.876204375	3024.13087224189	2956.64036561964	2892.8847749129333	2883.401491847677	79.6170186493068	79.3200263719654
504	267	19344	-38961.14133	967957.3170250766	36.5332125730333	-100.937487	33348.984648867	477742.84042568	3014.067941687955	2956.742456670196	2894.76262818301	2882.900453772742	79.6182496718674	79.18820290227769
505	267	19345	-38301.14133	967957.3170250766	36.5332148618683	-100.9351619	33369.9594962884	477738.908	3012.908458457	2955.848452598396	2894.52163254275	2889.274127892824	79.6182496718674	79.18820290227769
506	267	19346	-37641.14133	967957.3170250766	36.53321740063018	-100.932814	33391.0049318723	477734.77621414	3010.942088443658	2954.570091204396	2951.1631203295	2894.1311023295	79.6182496718674	79.18820290227769
507	267	19347	-36981.14133	967957.3170250766	36.53321995483565	-100.9304828	33409.0106743676	477730.74136508	3008.518668886374	2949.3703930353377	2892.936140872304	2882.686361031465	79.6245324810729	79.6245324810729
508	267	19348	-36321.14133	967957.3170250766	36.5332242365749	-100.9281442	33429.016094382	477736.71393249	3007.74776026251	2947.592026	2890.803362	2889.67847774792	79.6886475979774	79.2326771134064
509	267	19349	-35661.14133	967957.3170250766	36.53322749370148	-100.9258055	33449.021154299	477722.68273393	3006.950383235927	2944.801432712806	2888.12834102696	2886.272169107857	79.70309164981016	79.60957416394118
510	267	19350	-35001.14133	967957.3170250766	36.5332297357672	-100.9234669	33465.0260517204	477718.61833184	3004.09222675927	2944.96022675927	2884.964839165484	2876.281419718865	79.5013831044306	79.67208077873947
511	267	19351	-34341.14133	967957.3170250766	36.53322971905988	-100.9213218	33486.030789455	477716.21152526	3002.196724145994	2943.69706537306	2881.617634	2881.617634	79.5013831044306	79.67208077873947
512	267	19352	-33681.14133	967957.3170250766	36.53323247116939	-100.9191786	33507.033694567	477710.59085775	3001.042088443658	2940.570091204396	2951.1631203295	2894.1311023295	79.6182496718674	79.18820290227769
513	267	19353	-33021.14133	967957.3170250766	36.5332350399989	-100.916451	33528.9378940912	477706.56432255	2998.87542141868	2938.945729042065	2875.874963611644	2873.828637251327	79.6182496718674	79.18820290227769
514	267	19354	-32361.14133	967957.3170250766	36.53323656785374	-100.9141124	33549.04401410724	477702.53095601	2997.7271025341	2937.341200979086	2874.7582585212044	2872.688185	79.62829425766419	79.62829425766419
515	267	19355	-31701.14133	967957.3170250766	36.53323876043061	-100.9117737	33570.0481388808	477698.500571178	2996.171407862835	2937.114097612706	2871.546212	2871.546212	79.6182496718674	79.18820290227769
516	267	19356	-31041.14133	967957.3170250766	36.53324090782963	-100.9094351	33590.102507703356	477694.41096103	2995.61365862826	2934.105542999018	2869.138210435356	2869.6993310564565	79.6182496718674	79.18820290227769
517	267	19357	-30381.14133	967957.3170250766	36.53324304100577	-100.9070965	33612.0258557688	477680.47596123	2993.264736611871	2932.5300028529379	2868.5057635785365	2868.5057635785365	79.6182496718674	79.18820290227769
518	267	19358	-29721.14133	967957.3170250766	36.53324540549047	-100.904778	33630.0516	477676.41238538	2991.01195832113	2930.10440461752	2863.866721674756	2861.402107253965	79.6182496718674	79.18820290227769
519	267	19359	-29061.14133	967957.3170250766	36.5332477868645	-100.902481	33649.04391015	477672.6341015	2989.87163414702	2928.16547454702	2861.8647454702	2861.8647454702	79.6182496718674	79.18820290227769
520	267	19360	-28401.14133	967957.3170250766	36.53324945047684	-100.900076	33659.065238107	477678.54361793	2988.97103473677	2927.80534327723	2860.91012596107	2860.91012596107	79.6182496718674	79.18820290227769
521	267	19361	-27741.14133	967957.3170250766	36.53325096715659	-100.8977419	33669.0693816199	477674.32128019	2987.30434363421	2926.39046632497	2859.109701318854	2859.634480152046	79.6287163206023	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevKgs.f	SurfKgs.f	SatHtKgs.f
603	267	19443	26378.8586730335	967957.3170250766	39.53325479	-100.7059739	35387.807609682	4737344.714313801	2881.486802	2607.7706706881495	2732.949298921636	2732.6792222912043	74.82137177	74.8914836994518
604	267	19444	27038.8586730335	967957.3170250766	39.5332596215483	-100.703633	35388.7962768139	4737340.3032649	2873.5319211084593	2806.167456345534	2731.570509536274	2731.2956134660984	74.59113999552591	74.90533487356697
605	267	19445	27398.8586730335	967957.3170250766	39.5332598717124	-100.6974821	35378.7868392895	4737336.89296878	2868.57780691547	2804.556847083924	2734.5669227182304	2734.5669227182304	74.87717328907819	74.91731328907819
606	267	19446	26768.8586730335	967957.3170250766	39.53324491	-100.698958	35390.779620129	4737332.68200149	2857.62300194636	2728.917546813972	2728.813739648346	74.3041674819934	74.7041674819934	75.1358981397839
607	267	19447	29018.8586730335	967957.3170250766	39.53324720630887	-100.6966194	35419.7696347909	4737328.674527658	2851.6717407142128	2801.282244045823	2726.83419026235	2725.973747842214	74.44805410634717	75.2840939
608	267	19448	29678.8586730335	967957.3170250766	39.53324519377784	-100.6942808	35439.75662484784	4737324.66522419	2847.55912190205	2799.6383257778057	2725.000908030263	2723.91690023237	74.63416786797939	75.7214254513448
609	267	19449	30338.8586730335	967957.3170250766	39.53324314318882	-100.6919421	35459.746965691	4737320.652810682	2843.5009568102824	2797.8871545894374	2722.8454548718905	2721.760811911211	75.14169982121274	76.2263430209652
610	267	19450	30998.8586730335	967957.3170250766	39.5324104386197	-100.689035	35479.739642427	4737316.64307346	2839.5407616292192	2796.301070207717	2720.6732369094043	2719.375135111432	75.16197052172794	76.95039409874515
611	267	19451	31658.8586730335	967957.3170250766	39.5322686937501	-100.6874849	35499.7206967901	4737312.634017832	2838.551366456888	2794.66819	2718.1678612324626	2717.0111942453152	76.01615453914276	76.656383668477
612	267	19452	32318.8586730335	967957.3170250766	39.5322677007486	-100.6849253	35519.718475444	4737306.624941983	2834.8481619790578	2793.001558	2716.42778805676	2714.69899571801	75.737070534737	76.3015583534991
613	267	19453	32978.8586730335	967957.3170250766	39.532234474814215	-100.6825876	35539.7088271545	4737304.616708561	2848.137875288977	2791.3041045056383	2714.350018	2712.21455834539	76.9803296547787	79.11585210527397
614	267	19454	33638.8586730335	967957.3170250766	39.53223194775906	-100.680249	35559.6975905601	4737300.607429194	2852.427542765615	2789.65498841674	2712.8171161397253	2710.223581457857	76.783567155053	79.4314069570168
615	267	19455	34298.8586730335	967957.3170250766	39.53223089559776	-100.6779104	35579.69675312004	4737298.54593712004	2854.491757568045	2787.9756475980414	2711.329947217222	2708.38290424357	76.4651758	79.5882575351688
616	267	19456	34968.8586730335	967957.3170250766	39.53227499165754	-100.6755717	35600.6791	4737288.597078081	2854.33037448294	2786.292892	2709.799374	2706.68536314927	76.4935176670506	79.672206649603
617	267	19457	35618.8586730335	967957.3170250766	39.5322563539305	-100.6732331	35620.6646616431	4737288.582761752	2854.1691873179	2784.609857424159	2708.268176075444	2704.953779485003	76.4908134871495	79.6560713991588
618	267	19458	36268.8586730335	967957.3170250766	39.53222262	-100.670485	35640.6230739639	4737284.57496114	2854.00779021332628	2782.207133780517	2706.5839644011967	2703.704637	76.3431693792044	79.9524970804903
619	267	19459	36938.8586730335	967957.3170250766	39.5322116916695	-100.668558	35660.634019326	4737280.56738912	2854.454857957116	2781.244916312847	2704.539523027448	2703.435028185464	76.7053932853917	78.8014139478278
620	267	19460	37598.8586730335	967957.3170250766	39.532317565811356	-100.6662172	35680.634085704	4737276.56010514	2856.61885472339	2779.536759411556	2702.31267532882	2700.573294571	75.2130061	79.02638619134223
621	267	19461	38258.8586730335	967957.3170250766	39.5323146962813	-100.6638786	35700.6188176286	4737272.55258968	2858.413204765615	2777.88478885407	2699.880109895826	2698.110001354045	77.9980888952435	79.7747888496251
622	267	19462	38918.8586730335	967957.3170250766	39.53231208067165	-100.6615399	35726.607	4737268.545917661	2858.2076484372836	2776.26156689197	2697.426543821968	2695.90718017658	78.94612895028	80.2397651233467
623	267	19463	39578.8586730335	967957.3170250766	39.53230904142834	-100.6592013	35740.59088387626	4737264.5391	2861.046032401795	2774.532617774627	2694.977545422476	2693.90909898605	79.5448632	81.2275268760632
624	267	19464	40238.8586730335	967957.3170250766	39.53230691	-100.6568627	35768.582967623	4737260.532973725	2862.010621481613	2772.534878152245	2697.420564164623	2688.368400170805	80.36736773576272	84.4703813463653
625	267	19465	40898.8586730335	967957.3170250766	39.5323042951294	-100.6545421	35788.582967623	4737256.532973725	2863.277616191943	2770.269635377212	2696.6508939483	2695.6000314891848	80.60031497784716	87.0243864189148
626	267	19466	41558.8586730335	967957.3170250766	39.5323011040504	-100.6521854	35810.5584150738	4737252.52082331	2863.2892551120437	2769.4255446415027	2696.3491706574587	2690.52705065837	81.0763739840404	88.1779525766513
627	267	19467	42218.8586730335	967957.3170250766	39.53319844309502	-100.6494868	35821.5459	4737248.15400002	2866.021262196124	2767.692132522538	2682.915270581246	2679.127217215544	84.7652349129196	88.5200208089373
628	267	19468	42878.8586730335	967957.3170250766	39.53319553067205	-100.6475082	35842.532956493	4737244.5087614	2870.86324309135	2765.925879	2679.527053648954	2676.198064	86.398825189621	89.7278145
629	267	19469	43538.8586730335	967957.3170250766	39.53319257286161	-100.6451695	35861.5203513862	4737240.50329731	2875.704563824657	2764.112826384596	2677.161325982424	2675.15874615826	86.9501503013571	89.7540432619568
630	267	19470	44198.8586730335	967957.3170250766	39.5331895697672	-100.6428309	35881.5703704245	4737236.49060281	2880.5458633401795	2762.3291026729415	2677.367946	2676.527327809545	84.87115632	86.6115748633969
631	267	19471	44898.8586730335	967957.3170250766	39.5331869518156	-100.6406218	35901.586964253	4737232.49383832	2883.277616191943	2760.269635377212	2696.6508939483	2695.6000314891848	80.60031497784716	87.0243864189148
632	267	19472	45518.8586730335	967957.3170250766	39.533184277661	-100.6381537	35921.61645777484	4737228.48	2883.89158711581	2758.28917702044	2691.824550670535	2688.7701170836971	81.5181915369721	87.5181915369721
633	267	19473	46178.8586730335	967957.3170250766	39.53318202599305	-100.635815	35941.648215373	4737224.83463314	2884.512023410808	2756.25963704112	2683.337713189168	2682.68278031321	82.919617	75.5467821727808
634	267	19474	46838.8586730335	967957.3170250766	39.5331771066549	-100.6334764	35961.654777036	4737220.479	2885.130234176434	2754.135692312869	2684.1636946205776	2683.897597783411	82.919617	75.5467821727808
635	267	19475	47498.8586730335	967957.3170250766	39.533178789331	-100.6311378	35981.64911949677	4737216.475083471	2884.627576520824	2752.03226016914	2684.0765080369715	2684.2882428189244	82.919617	75.5467821727808
636	267	19476	48158.8586730335	967957.3170250766	39.533170603433	-100.6287991	36002.047282711	4737212.41712661	2885.000558907905	2750.3037322275	2682.2662955723497	2681.20170360099	82.919617	75.5467821727808
637	267	19477	48818.8586730335	967957.3170250766	39.5331672848156	-100.6264058	36022.21436351209	4737208.46785565	2887.380534569825	2747.787570380425	2680.06486582196	2679.95899588309	82.919617	75.5467821727808
638	267	19478	49478.8586730335	967957.3170250766	39.5331639051027	-100.6241219	36042.3985342195	4737204.46	2887.57457382128	2745.13955114257	2681.26618719439	2679.95899588309	82.919617	75.5467821727808
639	267	19479	50138.8586730335	967957.3170250766	39.53316061102716	-100.6221783	36063.3855374799	4737200.45604091	2887.435683196855	2743.76737390202	2677.1978735740066	2676.1428917963833	82.919617	75.5467821727808
640	267	19480	50798.8586730335	967957.3170250766	39.5331570563361	-100.619446	36082.4712874955	4737196.45743089	2887.0119261403263	2741.46965408078	2677.053801200997	2670.45203050311	82.919617	75.5467821727808
641	267	19481	51458.8586730335	967957.3170250766	39.53315356652778	-100.617106	36102.53690386776	4737192.454548724	2887.380534569825	2739.374996045392	2661.452234785005	2661.452234785005	82.919617	75.5467821727808
642	267	19482	52118.8586730335	967957.3170250766	39.5331500115152	-100.6147674	36122.54238624823	4737194.81572557	2887.380534569825	2737.284916980219	2661.083341044657	2660.953499312477	82.919617	75.5467821727808
643	267	19483	52778.8586730335	967957.3170250766	39.533146421317575	-100.612488	361427.327	4737184.49	2887.80029133986	2735.2076066968	2652.45306529695	2669.529759691294	82.919617	75.5467821727808
644	267	19484	53438.8586730335	967957.3170250766	39.5331427859454	-100.6100091	361628.312951332	4737180.471159814	2887.70569210047	2733.140413459052	2648.037700730223	2670.580200439016	82.919617	75.5467821727808
645	267	19485	54098.8586730335	967957.3170250766	39.53313905102716	-100.607845	36182.596964253	4737174.161928483	2887.380534569825	2731.26618719439	2647.1978735740066	2676.1428917963833	82.919617	75.5467821727808
646	267	19486	54758.8586730335	967957.3170250766	39.5331357369603	-100.6054129	36203.3855374799	4737172.40372939	2887.380534569825	2729.374996045392	2646.152234785005	2661.452234785005	82.919617	75.5467821727808
647	267	19487	55418.8586730335	967957.3170250766	39.53313160874									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
727	267	19569	10958.85687307335	967957.3170250766	35.52668558530776	-100.4113081	37871.59138040	4376840.13418408	2725.048290648737	2597.883602875144	2550.5462040541515	2550.9456658871093	47.33739882099235	46.88930689034604
730	267	19570	11019.85687307335	967957.3170250766	35.52661113521331	-100.408969	378912.5659	476837.5052353255	2724.877444039758	2596.029192100213	2550.95660762264	2551.220231764599	45.079125179429	44.80881554443335
731	267	19571	11088.85687307335	967957.3170250766	35.52562725944176	-100.406639	37813.5402122594	476839.168549841	2721.687165160845	2594.1785488016277	2549.8496991251563	2549.8496991251563	45.7163545012447	44.8289400111886
732	267	19572	11158.85687307335	967957.3170250766	35.5264556844778	-100.404293	37933.5146187827	476820.082974352	2715.47743308144	2593.341418190484	2545.811632939174	2545.8623165510305	45.079125179429	46.4691033634535
733	267	19573	11217.85687307335	967957.3170250766	35.52638302239965	-100.401937	37915.4888014096	476825.09662246	2708.26774965434	2590.4879712066518	2540.38000238667	2540.35069681367	51.7996682	50.13700134151373
734	267	19574	11283.85687307335	967957.3170250766	35.52630600975466	-100.3996151	379716.8629631244	476812.115662919	2709.86760627241	2590.6480380932423	2533.337972249217	2533.22844573765	51.031051505064	55.4195807667137
735	267	19575	11348.85687307335	967957.3170250766	35.5263228447423	-100.3972765	379917.4368229667	476813.3576573	2696.1451519958576	2586.81233668273	2528.377854167606	2528.393452232152	51.7996682	50.13700134151373
736	267	19576	11418.85687307335	967957.3170250766	35.52615062736324	-100.394838	380118.4106617676	476817.11500043	2686.527916108393	2584.977204762596	2526.3760330263256	2526.3625103882374	61.29917172233395	61.35210087102223
737	267	19577	11488.85687307335	967957.3170250766	35.52597225944176	-100.392984	380293.364987265	476809.168549841	2684.913701722378	2583.1455625185085	2519.483839033688	2519.483839033688	51.7996682	50.13700134151373
738	267	19578	11548.85687307335	967957.3170250766	35.5257983431054	-100.390208	380520.359777849	476805.182826305	2673.297172500773	2581.315923073202	2519.83798020246	2519.83798020246	51.7996682	50.13700134151373
739	267	19579	11613.85687307335	967957.3170250766	35.52559141670265	-100.387922	380721.3314951474	476802.24050567	2670.189973608327	2579.497300383407	2516.51382218829	2516.51382218829	62.9740017603765	63.0588970457566
740	267	19580	11679.85687307335	967957.3170250766	35.5253643441822	-100.385536	380922.3047691212	476797.22245095	2671.561132336858	2577.661120778535	2509.754542187462	2511.940112305984	67.90267089039162	65.72101077
1	268	19581	37094.1413	968617.3170250766	35.5279684850174	-102.113779	232362.0470164216	359697.9587948285	3866.8675950147	3586.96625981328	3584.659667	3596.65623532634	64.3906214308849	62.6296373982623
2	268	19582	37028.1413	968617.3170250766	35.52799392	-102.1114408	232663.51	379995.45741355	3817.911990026134	3657.680190110166	3591.210727509746	3594.64947150127062	63.03801673507816	61.35210087102223
3	268	19583	36962.1413	968617.3170250766	35.5280192726918	-102.1091268	232764.6300277407	379997.317662519	3656.402871159895	3592.2966324808214	3593.7515781289	3594.64947150127062	62.6296373982623	61.35210087102223
4	268	19584	36896.1413	968617.3170250766	35.52804451390425	-102.106743	232965.7420442906	379987.17729118	3652.08327112073	3655.12765865335	3586.696745810004	3587.3043445330473	64.3906214308849	62.6296373982623
5	268	19585	36830.1413	968617.3170250766	35.52806974537452	-102.1044261	233168.584411026	379983.36811412	3647.850523489634	3653.854576062516	3585.22639400177	3585.982154562035	62.6296373982623	61.35210087102223
6	268	19586	36764.1413	968617.3170250766	35.52804931637881	-102.1020878	233367.9662134194	379978.896617587	3833.61668	3652.561943194373	3584.955023776303	3585.12893420307	67.62262242	67.45271159308032
7	268	19587	36698.1413	968617.3170250766	35.52812007281739	-102.0997496	233569.0772144728	379974.75663439	3850.14457130039	3651.3057397643056	3582.617173754346	3583.124548767479	68.6885600991103	68.18119098264103
8	268	19588	36632.1413	968617.3170250766	35.528145168790275	-102.0974113	233770.18869539125	379970.618679701	3855.92506231035	3650.026833510932	3581.211897687791	3581.8143932314124	68.281105704218	68.18119098264103
9	268	19589	36566.1413	968617.3170250766	35.52817022	-102.0950731	233971.2999459545	379966.437	3844.72623	3648.74489727944	3578.8259649169	3578.828078950898	69.9223774835948	69.922682802
10	268	19590	36500.1413	968617.3170250766	35.5281952252871	-102.0927349	234172.4106618477	379962.338	3872.01674738396	3647.460094282261	3576.02594272652	3576.02594272652	70.928452341064	70.928452341064
11	268	19591	36434.1413	968617.3170250766	35.52820587147145	-102.089999	234373.82114782	379958.168549841	3848.33297535896	3629.30939	3574.0176962547	3574.0176962547	72.984725274659	72.984725274659
12	268	19592	36368.1413	968617.3170250766	35.528245101023735	-102.088054	234574.6130444663	379954.00024662	3869.144565409027	3644.836672135267	3571.2678130051313	3571.004053484762	73.1565420835342	73.6796932767478
13	268	19593	36302.1413	968617.3170250766	35.52826997116733	-102.0857201	234775.74123105878	379952.4213568475	3844.866381156876	3584.7336512263	3568.2551129471976	3567.5470405427145	73.6796932767478	73.6796932767478
14	268	19594	36262.1413	968617.3170250766	35.52824796144834	-102.083318	234976.8509484827	379945.7820739	3848.504105282348	3642.302717147858	3565.0942967626	3564.706489279406	77.2097672132307	77.5962842
15	268	19595	36170.1413	968617.3170250766	35.52831957595647	-102.0810436	235177.960295274	379941.64673605	3858.0810410210195	3641.0105851760237	3561.341049	3569.696361653298	79.4327060226219	79.4327060226219
16	268	19596	36104.1413	968617.3170250766	35.52834431060193	-102.078703	235379.0694	379937.50663104	3867.46966750189	3639.7173100251297	3557.915397969172	3557.9094904443225	81.8019120555934	81.82691580869323
17	268	19597	36038.1413	968617.3170250766	35.52836900081258	-102.0763671	235589.1788110582	379933.688918743	3868.882324750178	3638.823247380158	3553.7801651371025	3553.7801651371025	82.3892211921	82.3892211921
18	268	19598	35972.1413	968617.3170250766	35.52837405439435	-102.0740288	235781.286255444	379929.21306103	3856.2376719873377	3637.12717367977	3548.677208673876	3548.684983	84.42210965763	84.42210965763
19	268	19599	35906.1413	968617.3170250766	35.52841824354124	-102.0718905	235982.39527816733	379920.03935373	3855.920957179862	3635.830217285856	3543.216304	3542.908062675807	92.313139111605	92.32210210020529
20	268	19600	35840.1413	968617.3170250766	35.5284427952181	-102.0693253	236183.5033691	379917.950796265	3855.920957179862	3635.830217285856	3543.216304	3542.908062675807	92.313139111605	92.32210210020529
21	268	19601	35774.1413	968617.3170250766	35.528467306336076	-102.067014	236384.611987554	379916.81984781	3855.920957179862	3635.830217285856	3543.216304	3542.908062675807	92.313139111605	92.32210210020529
22	268	19602	35708.1413	968617.3170250766	35.5284917698395	-102.0646757	236585.7187919326	379913.88172098	3855.920957179862	3635.830217285856	3543.216304	3542.908062675807	92.313139111605	92.32210210020529
23	268	19603	35642.1413	968617.3170250766	35.5285161846541	-102.0623375	236786.7624740083	379908.54688706	3853.726589607518	3632.621941568849	3544.597073916478	3544.597073916478	96.0248675620251	96.0248675620251
24	268	19604	35576.1413	968617.3170250766	35.5285354071646	-102.059999	236989.732112383	379904.410421743	3848.33297535896	3629.30939	3574.0176962547	3574.0176962547	97.928452341064	97.928452341064
25	268	19605	35510.1413	968617.3170250766	35.5285648892882	-102.0576699	237189.0390720598	379900.274	3844.934386979014	3627.9913154577307	3548.4569137931472	3548.4569137931472	98.75961258334	98.75961258334
26	268	19606	35444.1413	968617.3170250766	35.52858917291072	-102.0553227	237390.1434236134	379898.138543904	3840.53466992147	3626.66807494207	3549.1725776334024	3548.98358693477	77.4954296	77.4954296
27	268	19607	35378.1413	968617.3170250766	35.528613470125974	-102.0529844	237591.2526848485	379892.003	3836.444699315781	3625.3400967756643	3549.41626384147	3549.227608086186	75.711212697	75.711212697
28	268	19608	35312.1413	968617.3170250766	35.5286376	-102.0506461	237792.35870401206	379887.86734987	3822.6913910186004	3624.091171381198	3549.3410329573094	3549.227608086186	75.711212697	75.711212697
29	268	19609	35246.1413	968617.3170250766	35.52866175	-102.0483078	237993.4644890145	379883.73236453	3828.8715179	3622.675003882904	3548.9317384431	3548.9317384431	75.711212697	75.711212697
30	268	19610	35180.1413	968617.3170250766	35.52868553171945	-102.045936	238164.569930596	379879.597408112	3825.00418424239	3621.338974614234	3548.624259633312	3548.624259633312	72.94947159308032	72.94947159308032
31	268	19611	35114.1413	968617.3170250766	35.52870339221339	-102.041293	238396.7802306998	379874.38147766	3815.24223023975	3618.670823646583	3547.174843436098	3548.582226049246	74.709457389998	74.709457389998
32	268	19612	35048.1413	968617.3170250766	35.52873788912798	-102.0389547	238797.8849384862	379873.193845824	3809.9435582150273	3617.34098665203	3546.152836711988	3549.259640215217	71.87186195	71.87186195
33	268	19613	34982.1413	968617.3170250766	35.52876187175655	-102.0366164	238998.089858516	379863.5976213	3804.84681916077	3616.01489998414	3544.905828110273	3549.65149628101	71.87186195	71.87186195
34	268													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
115	196	17995	-295071.1413	968617.3170250766	35.53056946078095	-101.8472704	552587.60965215872	4739529.923070555	3883.32817388205	3507.2741233457851	3398.817438013637	3404.88979741192375	10.45668544241412	102.37614393861369
116	196	17996	-295041.1413	968617.3170250766	35.53056978913051	-101.844872	55488.69358752817	4739524.80865497	3690.96170230392	3506.63223034581	3397.0106009065254	3401.2283390115035	10.0426221328687	104.8248404290775
117	196	17997	-295031.1413	968617.3170250766	35.53056985124895	-101.8426356	55689.77738203158	4739495.998957515	3684.9811386990208	3504.5341532786829	3395.13312546859	3398.143427789629	10.7010100096044	107.40483179188674
118	196	17998	-295021.1413	968617.3170250766	35.53056997871053	-101.8401952	55890.86083475623	4739510.570820248	3696.235671341299	3503.61600520491	3393.051670575576	3391.25121770879	10.553003901551	109.4553067503202
119	196	17999	-295016.1413	968617.3170250766	35.53060506100933	-101.8378658	55691.8440626885	4739512.459522083	3697.133374040489	3502.3882274967407	3390.977725105651	3391.1406381970136	11.124050239117953	111.25738929972704
120	196	18000	-295001.1413	968617.3170250766	35.5306700813756	-101.8355184	55623.02710737533	4739531.34179534	3696.2948438736367	3501.180004117954	3388.635871005346	3388.261777919496	11.52431691104628	112.912822400628
121	196	18001	-294991.1413	968617.3170250766	35.5306800009519	-101.833318	55649.1847447754	4739504.229054596	3695.455973551846	3499.960811624592	3386.257724336097	3385.068892952425	11.68503919098248	114.894922329167
122	196	18002	-294981.1413	968617.3170250766	35.53071003682176	-101.8308415	55685.19235256858	4739500.11417259	3694.76171063052	3498.740188227707	3383.890902759247	3381.8844275751503	11.84892846846004	116.557407505694
123	196	18003	-294971.1413	968617.3170250766	35.53072998346845	-101.8286303	55696.77738203158	4739495.998957515	3693.08246883696	3490.1671796601027	3381.74522236841	3379.34271827318	11.75513658109757	118.8175583369134
124	196	18004	-294961.1413	968617.3170250766	35.53074979404015	-101.8261467	55707.365492811	4739491.88495358	3690.89421455468	3486.293373020585	3379.588959177425	3374.347025214389	11.7056502025449	121.946349886169
125	196	18005	-294951.1413	968617.3170250766	35.53076960218826	-101.8238263	55728.43826139628	4739497.707703782	3688.6921740469575	3485.065882244753	3377.65372650659	3369.64714793433	11.714293057381608	125.1343430132026
126	196	18006	-294941.1413	968617.3170250766	35.53078937	-101.8214879	55749.5197907187	4739483.65693776	3686.49013663844	3483.838245	3375.490124131456	3369.418718665783	11.834212089351408	129.41905715839175
127	196	18007	-294931.1413	968617.3170250766	35.53080093325597	-101.8191495	55770.6010790477	4739475.825478339	3685.94725361886	3482.607660445415	3373.618648772224	3369.354393124297	11.88980117319127	132.2582921329182
128	196	18008	-294921.1413	968617.3170250766	35.5308267901825	-101.8168111	55790.1621297014	4739475.429272458	3687.06448064949	3481.3742869041153	3371.4364576414144	3368.5182658107748	11.9346202304692	135.4560210373658
129	196	18009	-294911.1413	968617.3170250766	35.53084839960561	-101.8144728	558102.7623997903	4739473.131988128	3688.181404443995	3480.04732673395	3369.50855709581	3354.540782450034	120.63141162661395	135.5947847881618
130	196	18010	-294901.1413	968617.3170250766	35.53087865030035	-101.8121342	558303.84351174042	4739467.202213142	3689.298319047978	3468.8992711678	3354.30294574457	3354.30294574457	121.3057443781678	134.5683265935246
131	196	18011	-294891.1413	968617.3170250766	35.53088752527943	-101.8097598	558504.928447614	4739463.09	3687.621274058184	3467.659618197095	3365.5574024885914	3357.3880861436073	122.1027150931344	135.712530542975
132	196	18012	-294881.1413	968617.3170250766	35.530907200357844	-101.8074574	55876.0039304263	4739457.97040372	3683.152959781544	3466.417694833364	3363.6428212852447	3357.5481920544837	122.7748735811956	128.8950528
133	196	18013	-294871.1413	968617.3170250766	35.53092647026517	-101.805119	558907.0873539996	4739454.86224612	3678.68317189825	3465.17448903265	3362.0652902034	3357.900562195014	123.16868313761122	127.964033989934
134	196	18014	-294861.1413	968617.3170250766	35.530945875001336	-101.8027805	55918.16341343005	4739455.754256474	3674.2145335810648	3463.088915930624	3360.086718243545	3356.164791291216	123.8421733486171	127.7641003274401
135	196	18015	-294851.1413	968617.3170250766	35.53095623456646	-101.8004421	55939.2027354463	4739450.64150307	3673.06317418118	3462.67480640948	3358.07222832571	3355.47442880313	124.6048180271785	127.1476634291757
136	196	18016	-294841.1413	968617.3170250766	35.53096544890376	-101.7981037	55960.19235256858	4739450.11417259	3673.06317418118	3462.67480640948	3358.07222832571	3355.47442880313	124.6048180271785	127.1476634291757
137	196	18017	-294831.1413	968617.3170250766	35.53111849462168	-101.7957365	55981.7887268126	4739443.1518616556	3673.06317418118	3462.67480640948	3358.07222832571	3355.47442880313	124.6048180271785	127.1476634291757
138	196	18018	-294821.1413	968617.3170250766	35.53120204	-101.7934328	55991.479508438	4739434.350217746	3665.3341821456504	3478.915749879262	3352.684824299636	3350.1560028047013	126.2306555975582	128.75947708921012
139	196	18019	-294811.1413	968617.3170250766	35.53120400	-101.7910884	560113.5573984152	4739434.190085218	3671.6638435050513	3477.6638435050513	3351.183603432317	3349.546480743	126.4802047273443	128.1157386978746
140	196	18020	-294801.1413	968617.3170250766	35.53106134823485	-101.7887499	56034.6136235565	4739426.031061773	3674.1543239433024	3476.41268706254	3349.574712012157	3347.92272485606	126.8372157960344	128.48969215024818
141	196	18021	-294791.1413	968617.3170250766	35.5310804336094	-101.7864115	560515.7140898477	4739422.9224485	3663.998879212164	3475.16237532244	3347.9751975971353	3347.505828542429	127.1871777105847	128.611619549497
142	196	18022	-294781.1413	968617.3170250766	35.53109948672704	-101.7840371	560716.7910399472	4739417.61861556	3663.84451354345	3473.911557340128	3346.51543782161	3346.08926	127.39089937396475	127.82229746208577
143	196	18023	-294771.1413	968617.3170250766	35.53111849462168	-101.7817346	56097.88929413085	4739413.1518616556	3673.06317418118	3462.67480640948	3358.07222832571	3355.47442880313	124.6048180271785	127.1476634291757
144	196	18024	-294761.1413	968617.3170250766	35.53117379484814	-101.7793952	56118.114322569	4739413.1518616556	3673.06317418118	3462.67480640948	3358.07222832571	3355.47442880313	124.6048180271785	127.1476634291757
145	196	18025	-294751.1413	968617.3170250766	35.53115634579645	-101.7770578	561320.035545226	4739405.53119823	3659.47999052043	3472.101688412015	3342.507331633995	3343.6725066371	126.3712752748018	126.4538703408851
146	196	18026	-294741.1413	968617.3170250766	35.53117242476554	-101.7747193	561521.10033113498	4739401.4216373	3658.4206149532096	3468.851526	3341.254902977099	3343.6725066371	126.3712752748018	126.4538703408851
147	196	18027	-294731.1413	968617.3170250766	35.53114024958909	-101.7723809	56172.17687230234	4739397.321163084	3657.09168996336	3467.562967150526	3339.700548953854	3342.6736659459	127.5929121093912	125.2956095557767
148	196	18028	-294721.1413	968617.3170250766	35.5312128	-101.7700424	561923.251782286	4739392.20210838	3655.9622741619035	3466.25843179966	3338.2327677192667	3340.039901776046	128.020806026818	125.2185821023612
149	196	18029	-294711.1413	968617.3170250766	35.5312512502740824	-101.7677704	562124.32924912203	4739389.95895991	3654.83285490737	3465.102707585797	3336.743448526096	3343.24938718674	128.0319759058707	125.1768718891194
150	196	18030	-294701.1413	968617.3170250766	35.53126884302666	-101.7653656	562325.4050518566	4739384.95829498	3653.703437	3463.587182702714	3334.2952461154573	3341.591777072962	128.0349103744682	125.095645236965
151	196	18031	-294691.1413	968617.3170250766	35.53128844302666	-101.7630271	562526.408666278	4739380.67458494	3651.8249453740073	3462.2431670054033	3333.788524472325	3340.6779925306	128.56431047034085	125.1158357002125
152	196	18032	-294681.1413	968617.3170250766	35.53126734959273	-101.7606887	562727.556033565	4739376.78	3649.19737870035	3460.871183290873	3332.9499571548023	3333.9313873	128.5212261	126.9537104253576
153	196	18033	-294671.1413	968617.3170250766	35.53128844302666	-101.7583502	562928.611864867	4739372.659910526	3646.56891240205	3459.439525690136	3330.267845089544	3333.695283232445	128.2161071794642	125.7838934669606
154	196	18034	-294661.1413	968617.3170250766	35.5313244837103	-101.7560118	563129.70608572877	4739365.551626296	3643.942253374573	3458.034973530737	3328.626474304527	3332.288936820415	129.454570297262096	125.7945137105912
155	196	18035	-294651.1413	968617.3170250766	35.5313493872054	-101.7536793	563330.709200584	4739364.44	3641.45294537	3456.6739336607812	3327.078134391684	3331.6833966098712	129.454570297262096	125.7945137105912
156	196	18036	-294641.1413	968617.3170250766	35.5313613084373	-101.7513439	563531.85518171097	4739361.36718816	3638.104456534545	3455.256620604034	3325.47123572738	3328.32513632768	129.454570297262096	125.7945137105912
157	196	18037	-294631.1413	968617.3170250766	35.53137379484814	-101.7491981	563734.150675327	4739358.08837134	3636.703437	3453.587182702714	3324.591777072962	3341.591777072962	128.0349103744682	125.095645236965
158	196	18038	-294621.1413	968617.3170250766	35.5313937324425	-101.746958	563934.3043549485	4739352.12344441	3634.40691456986	3452.41483	3322.248696867655	3323.658133687606	130.1301925734085	127.72975299194933

ix	iy	icr	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevBothKrg.ft	BRIElevBothKrg.ft	SatHtKloga.ft	SatHtBoth.ft
241	268	19821	-212541.1413	968617.3170250766	39.53276117581746	-101.552624	286022.3509077899	4379011.991731937	408.8159862520213	339.5284551951835	3192.2429410281707	3197.2518995261285	147.28551413011286	142.2756553035057
242	268	19822	-211881.1413	968617.3170250766	39.53275701873337	-101.550229	286023.405105639	437900.702884469	339.7473535	337.845283163667	3194.6540146245456	3206.930589	139.191458403005703	139.191458403005703
243	268	19823	-211221.1413	968617.3170250766	39.53276618275661	-101.538364	282220.76507242655	437903.612825841	339.73903314252841	338.538159116697	3196.678118353545	3209.04693802845	140.53521428114962	127.337488321605
244	268	19824	-210561.1413	968617.3170250766	39.53280462	-101.545548	281225.5147892796	437902.1727759566	339.4301277759566	333.451249795392	3199.288693710984	3209.7481961387	138.25532430247023	126.11046783040525
245	268	19825	-209901.1413	968617.3170250766	39.532819009000181	-101.5432082	281426.5694	437899.635466383	340.8642526072733	332.9165213213637	3196.536858802675	3205.051247937663	136.37666237175988	125.8652732789066
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	LatBothKrg.ft	LatBothBoi.
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398	268	197978	-108921.1413	968617.3172025076	39.5344884230048	-101.1854015	39.5344884230048	4738381.691322405	3215.38392562808	3114.463058119706	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
399	268	197979	-108261.1413	968617.3172025076	39.53449597564975	-101.1830629	39.53449597564975	4738380.633	3210.042379786654	3113.0391373598277	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
400	268	197980	-107601.1413	968617.3172025076	39.534503362107	-101.1807242	39.534503362107	4738378.581694475	3222.5330429781324	3111.599364725817	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
401	268	197981	-106941.1413	968617.3172025076	39.53451076814395	-101.1783896	39.53451076814395	4738376.937	3220.493729793683	3110.144682155574	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
402	268	197982	-106281.1413	968617.3172025076	39.5345180246279	-101.1760329	39.5345180246279	4738375.4729812	3218.7515297147	3108.6754954472	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
403	268	197983	-105621.1413	968617.3172025076	39.5345255276709	-101.1737083	39.5345255276709	4738373.627678	3216.821014998116	3107.191456293575	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
404	268	197984	-104961.1413	968617.3172025076	39.53453246472642	-101.1713936	39.53453246472642	4738371.965032362	3214.710889596502	3105.692836268765	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
405	268	197985	-104301.1413	968617.3172025076	39.53453967007725	-101.169031	39.53453967007725	4738369.3139461	3222.6469	3104.179961780318	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
406	268	197986	-103641.1413	968617.3172025076	39.534546744110976	-101.1666923	39.534546744110976	4738367.258	3225.58336693293	3102.654111254124	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
407	268	197987	-102981.1413	968617.3172025076	39.534553831603619	-101.1643536	39.534553831603619	4738365.24074828	3218.036422901912	3101.116357860032	3021.16268881413	3021.053959719449	98.0798991899199	88.6127733065141
408	268	197988	-102321.1413	968617.3172025076	39.53456084275329	-101.1620374	39.53456084275329	4738352.15795959	3206.10534302059	3099.567906796425	3021.051169971341	3021.051169971341	98.0514872099113	86.55076796367201
409	268	197989	-101661.1413	968617.3172025076	39.534568192521	-101.1597783	39.534568192521	4738349.8479849	3204.7819363672	3100.482744925474	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
410	268	197990	-101001.1413	968617.3172025076	39.53457574	-101.1575377	39.53457574	4738346.479849	3204.7819363672	3100.482744925474	3020.880336693593	3020.880336693593	102.1995481553151	100.7358100005218
411	268	197991	-100341.1413	968617.3172025076</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	LatBthLogKrg.ft	LatBthBoth.ft
437	268	198073	-46221.14133	968617.3170250766	-95.35492999	-00.9632277	331281.9604005034	3747988.434663299	3055.3264983902104	274.2543030545176	2899.9761130694783	2896.7911860744234	74.728189793931	77.46311697099418
494	268	198074	-45561.14133	968617.3170250766	-95.3549613059652	-00.965889	331482.9676697833	3747984.401173932	3048.438101	272.5373696343323	2898.402218317576	2897.343243562601	74.1351512662564	75.21352608132152
496	268	198075	-44891.14133	968617.3170250766	-95.3549692681133	-00.9686693	331683.974722296	3747980.359892232	3047.7782755598	270.7927342011554	2897.068916862921	2896.74655755453	73.738756571974188	74.6934671974188
498	268	198076	-44241.14133	968617.3170250766	-95.3550027784518	-00.9696216	331884.9817710445	3747973.31639214	3041.34606832352	276.0330767393317	2895.5244799020068	2894.60984391211	73.5329811873506	74.428581973506
497	268	198077	-43561.14133	968617.3170250766	-95.3550050528	-00.9658729	332085.9884943754	3747972.29693935	3037.914137371364	276.261221239445	2893.68849414789	2892.980676643491	73.57272682	74.2805459596432
498	268	198078	-42921.14133	968617.3170250766	-95.3550083476094	-00.9515342	332296.995110625	3747973.269363148	3034.842229291213	276.495473	2891.505064310004	2890.651369273414	73.9689122	74.8181032019858
499	268	198079	-42261.14133	968617.3170250766	-95.35501159871634	-00.9491956	332488.001562742	3747964.231	3033.085995241033	276.368505941675	2889.067891569287	2888.7589154374892	73.93204838	74.73204838
500	268	198080	-41601.14133	968617.3170250766	-95.35501400319125	-00.9468569	332689.007851295	3747967.19745662	3032.725594202682	276.185509380261	2887.072934345438	2886.513426836091	74.7897503482281	75.34248254
501	268	198081	-40941.14133	968617.3170250766	-95.3550168533064	-00.9446189	332890.013978851	3747965.154759866	3034.364581568305	276.145448122266	2885.914178812226	2884.968916862921	75.28250002222346	75.2825000222346
502	268	198082	-40221.14133	968617.3170250766	-95.35501963259145	-00.9421795	333091.0204315995	3747952.13198481	3030.038921138394	275.95822549	2884.81515040698	2883.704942552583	75.4107373828324	77.15110042219484
503	268	198083	-39621.14133	968617.3170250766	-95.35502230773015	-00.9398408	333292.02584532823	3747948.0947115	3029.774290313027	275.6611199331027	2880.810745278411	2880.2801203461576	75.71139730417589	76.1139730417589
504	268	198084	-38961.14133	968617.3170250766	-95.3550250967359	-00.9375021	333493.0148551204	3747944.06704149	3018.67536666136	276.0624629814106	2882.528268	2881.269976473465	74.67419501369058	73.3333634304602
505	268	198085	-38301.14133	968617.3170250766	-95.3550277409863	-00.9351634	333694.0369319836	3747940.93455776	3007.57853332817	275.9293200337267	2882.734640178677	2882.734640178677	74.0648012549656	74.03459864875759
506	268	198086	-37641.14133	968617.3170250766	-95.3550303342914	-00.9328247	333895.0422807501	3747936.00304191	2996.480503099928	275.9140339586243	2881.963205030155	2881.963205030155	74.040519083073	75.7301864626381
507	268	198087	-36981.14133	968617.3170250766	-95.35503287408204	-00.9304861	334096.0474621516	3747931.371342782	2987.671640519683	275.9041235766547	2880.506804818126	2879.8700458523098	74.7149505043740858	75.7149505043740858
508	268	198088	-36321.14133	968617.3170250766	-95.35503536620448	-00.9281474	334297.05243051844	3747927.03986157	2981.151864302974	275.9474937226098	2880.22203	2877.753408139264	75.22663375529628	74.6967964129171
509	268	198089	-35661.14133	968617.3170250766	-95.35503783000179	-00.9258087	334498.057	3747923.08808555	2974.632086759055	275.968982947345	2880.016264909842	2877.789964568149	75.0679263750288	71.9696283106452
510	268	198090	-35001.14133	968617.3170250766	-95.35504042583008	-00.92347	334699.01633646067	3747918.77532525	2968.1937212806626	275.9439784459376	2878.103747311779	2877.83007542450934	75.0265037146618746	70.78857700434034
511	268	198091	-34341.14133	968617.3170250766	-95.35504261879356	-00.9213113	334900.064485133	3747915.84605134	2966.010539636424	275.9424734955726	2876.607186	2877.515878366287	75.03655751466578	70.72576559
512	268	198092	-33681.14133	968617.3170250766	-95.35504485006474	-00.9187926	335101.0708002233	3747912.818605084	2968.326796029214	275.9455752340702	2872.563064552566	2872.563064552566	70.9828779758092	70.6638473685258
513	268	198093	-33021.14133	968617.3170250766	-95.35504723304093	-00.9164539	335302.0749918010	3747907.75655135	2967.042998419159	275.9384664720065	2870.463629687936	2869.751526410368	70.480318093	69.69080274822921
514	268	198094	-32361.14133	968617.3170250766	-95.35504970583195	-00.9141152	335503.0760245073	3747903.74855475	2957.2952278104796	275.93218954781936	2869.46490953722	2868.8516266264	70.39549592301587	68.9549659270393
515	268	198095	-31701.14133	968617.3170250766	-95.35505218459635	-00.9117765	335704.082959233	3747900.725874242	2948.782532591902	275.9284732591902	2868.782532591902	2867.8421264675335	70.3204732591902	68.73204732591902
516	268	198096	-31041.14133	968617.3170250766	-95.355055310540624	-00.9094379	335905.086077854	3747895.65704415	2942.03284391726	275.93371180644902	2868.245756	2866.9517227985166	70.27320446	67.81395268
517	268	198097	-30381.14133	968617.3170250766	-95.355057913215785	-00.9070992	336106.0910868524	3747891.666	2937.97515117234	275.932717808265017	2863.929421	2863.929421	70.25862682608179	68.3891180251968
518	268	198098	-29721.14133	968617.3170250766	-95.355059730311925	-00.9047605	336307.093554877	3747887.63681104	2930.9210719915812	275.9310719915812	2861.46313293643	2861.46313293643	70.2473930514834	69.1490590291109
519	268	198099	-29061.14133	968617.3170250766	-95.355061998229015	-00.9024218	336508.0967899697	3747883.680768153	2929.7842855420288	275.9289178577637	2859.365166247169	2859.365166247169	70.23897347105949	69.8032543783633
520	268	198100	-28401.14133	968617.3170250766	-95.35506194896736	-00.900031	336709.099663672	3747879.57756767	2928.0446304128136	275.927724857161134	2857.88445818807	2857.88445818807	70.2300286	69.6098121169781
521	268	198101	-27741.14133	968617.3170250766	-95.35506387052607	-00.8974438	336910.07842751	3747874.35507938	2924.146375450198	275.9262040154428	2856.894537496837	2856.894537496837	70.2214625427546	69.48589861979536
522	268	198102	-27081.14133	968617.3170250766	-95.3550659469035	-00.8948923	337111.10554398923	3747771.52159801	2922.007100689759	275.92776685497744	2855.776685497744	2855.776685497744	70.213571323547	69.3805967836038
523	268	198103	-26421.14133	968617.3170250766	-95.35506767810694	-00.8930367	337312.1081454478	3747767.493330922	2920.0087670303344	275.923226448592106	2854.64731919374	2853.912055249094	70.204876773064	69.3194331125455
524	268	198104	-25761.14133	968617.3170250766	-95.35506936412876	-00.8907283	337513.1105891233	3747763.46527814	2913.228316	275.92179954146497	2853.5264252835444	2850.256474550735	70.1923028691421	69.25028691421
525	268	198105	-25101.14133	968617.3170250766	-95.35507147491564	-00.8883896	337714.1128751299	3747759.43499304	2912.847649393664	275.92039410710887	2853.8734181330246	2850.672544254866	70.18399248046035	69.2396567262024
526	268	198106	-24441.14133	968617.3170250766	-95.35507280063528	-00.8860509	337915.150036777	3747750.40891068	2912.8476413757832	275.918791396	2853.845021435317	2850.383936152476	70.17402974181524	69.2296567262024
527	268	198107	-23781.14133	968617.3170250766	-95.35507445111993	-00.8837123	338116.1169746683	3747743.26408606	2912.8476413757832	275.917419367991	2853.845021435317	2850.383936152476	70.16502162982142	69.216289938963
528	268	198108	-23121.14133	968617.3170250766	-95.35507619	-00.8813736	338317.118952106	3747737.35211543	2912.8476413757832	275.9164732591902	2853.845021435317	2850.383936152476	70.15602162982142	69.207425427546
529	268	198109	-22461.14133	968617.3170250766	-95.3550776716519595	-00.8790239	338518.120466269	3747731.32830867	2912.8476413757832	275.91528577228063	2853.845021435317	2850.383936152476	70.14702141279768	69.19862670576037
530	268	198110	-21801.14133	968617.3170250766	-95.35507913149944	-00.8766962	338719.1219	3747730.31444576	2912.8476413757832	275.914053981317	2853.918420546536	2854.394858659944	70.1374665024169	69.1896024496676
531	268	198111	-21141.14133	968617.3170250766	-95.3550806	-00.8743575	338920.1232916927	3747727.24512658	2912.8476413757832	275.9128672466548	2853.89438	2852.5864212767046	70.12833239961875	69.1802211888437
532	268	198112	-20481.14133	968617.3170250766	-95.35508202585704	-00.8720188	339121.1244797864	3747723.28451998	2912.8476413757832	275.91163736174076	2853.918420546536	2854.394858659944	70.11923028691421	69.171490590291109
533	268	198113	-19821.14133	968617.3170250766	-95.35508350256722	-00.8698081	339322.1251166513	3747719.22451998	2912.8476413757832	275.9104699516844	2909.268036910398	2848.063110541703	70.11023028691421	69.1622780893504
534	268	198114	-19161.14133	968617.3170250766	-95.35508473949354	-00.8673414	339523.12638121	3747723.16340545	2912.8476413757832	275.90936182533054	2848.063110541703	2847.509168118157	70.102474938	69.1538113539755
535	268	198115	-18501.14133	968617.3170250766	-95.355086256503	-00.8648923	339724.127814814	3747719.22451998	2912.8476413757832	275.9082717940429	2847.509168118157	2847.509168118157	70.0938113539755	69.1448113539755
536	268	198116	-17841.14133	968617.3170250766	-95.3550877249235	-00.862464	339925.127641064	3747715.14563841	2912.8476413757832	275.907139077616	2846.726171120447	2846.726171120447	70.084775656183	69.135621124090936
537	268	198117	-17181.14133	968617.3170250766	-95.35508884111704	-00.8603								

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	WatthKrg.ft	SatthBothKrg.ft
619	268	198199	38988.8586730335	968617.3170250766	39.53503302	-106.6856258	366067.8534	43774881.777	2846.740118366996	2781.1001165117987	2706.036472623317	2704.49918438325	76.0634638848169	76.6003921297346	
620	268	198200	37988.8586730335	968617.3170250766	39.5350348832248	-106.6662139	366808.6415953151	4377477.7930081814	2847.704519375919	2776.0320432170562	2702.7302050118524	2702.607078	76.6722635163695	76.7953851236624	
621	268	198201	36288.8586730335	968617.3170250766	39.53503787191259	-106.6488451	367099.6297024732	4377473.752006878	2847.704519375919	2776.0320432170562	2702.7302050118524	2702.607078	76.6722635163695	76.7953851236624	
622	268	198202	35918.8586730335	968617.3170250766	39.53502530436094	-106.6613585	357210.61767186095	4377469.754026714	2848.633123954549	2776.0320432170562	2702.7302050118524	2702.607078	76.6722635163695	76.7953851236624	
623	268	198203	35678.8586730335	968617.3170250766	39.535022543735856	-106.6591978	357411.605037427	4377465.748006026	2851.7057179687611	2774.29626530933624	2695.798821	2692.9154563693054	76.4974443322254	81.38121969657694	
624	268	198204	35208.8586730335	968617.3170250766	39.53501811849004	-106.6585951	357612.9319829268	4377461.741408987	2854.886110107913	2772.5780938393626	2693.6518710168737	2686.067168730408	78.9239273048994	86.5152792432288	
625	268	198205	34988.8586730335	968617.3170250766	39.535017304783216	-106.6545204	357813.580755547364	4377457.7348612328	2858.066252470657	2770.152527366334	2691.206343281964	2689.4919008561874	76.649010369367947	91.39535188	
626	268	198206	34518.8586730335	968617.3170250766	39.53501412536464	-106.6521818	358014.5861726304	4377453.72871297	2861.246894382177	2769.105725268358	2688.394305601307	2679.35763766696	80.7119470822754	89.57038770139236	
627	268	198207	34218.8586730335	968617.3170250766	39.535011385114754	-106.6498451	358215.5554912087	4377449.722728804	2864.780251509778	2767.336589892676	2686.948675892676	2680.4010596260678	81.64179129954258	86.8355897872002	
628	268	198208	34278.8586730335	968617.3170250766	39.5350043251209	-106.6475044	358416.5246074643	4377445.711643939	2868.65089451345	2765.3325467766321	2683.322547766321	2678.40771795091	82.1278516652933	87.1278516652933	
629	268	198209	34358.8586730335	968617.3170250766	39.535005474730475	-106.6451657	358617.52961851866	4377441.71342819	2872.541733871172	2763.629962630483	2681.978732814894	2678.615395111024	81.7142428159491	85.07760115	
630	268	198210	34198.8586730335	968617.3170250766	39.53500247176844	-106.642827	358818.516933968	4377437.705970484	2876.423633	2761.800923896723	2682.1254759283517	2679.187996338574	76.4255433683705	82.6129342628649	
631	268	198211	34488.8586730335	968617.3170250766	39.5349994326895	-106.6404883	359019.503324909	4377433.780021031	2879.855347154591	2759.855347154591	2683.612834164882	2681.492691758175	76.7625113383292	78.36265296327395	
632	268	198212	34518.8586730335	968617.3170250766	39.53499633031053	-106.6381496	359220.48993591045	4377430.695967805	2879.870141369246	2757.854250800383	2685.4748213113785	2683.7804514238615	72.3830376870469	74.077936510168	
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635	268	198215	347498.8586730335	968617.3170250766	39.53498677982175	-106.6311338	359823.4883418334	4377417.68231115	2881.2090455185	2751.660345697348	2687.858946257397	2686.7791784857786	63.30013671400391	64.18174811396603	
636	268	198216	348158.8586730335	968617.3170250766	39.53498350254769	-106.628749	360024.435	4377413.678	2879.202157447363	2749.564488186613	2686.339133806266	2685.427020994146	63.23353543043674	64.18174811396603	
637	268	198217	348818.8586730335	968617.3170250766	39.53498018603471	-106.6264562	360225.4209	4377409.674344431	2879.2529935684	2747.468148017885	2683.46583644177	2683.191354911864	64.1215651463081	64.1215651463081	
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639	268	198219	350188.8586730335	968617.3170250766	39.534973472212	-106.6217788	360627.3927826155	4377401.667229501	2873.91295795835	2743.29097984655	2682.722085185394	2679.442982059075	70.0648947952651	88.8640519337821	
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656	268	198236	350188.8586730335	968617.3170250766	39.5349108573007	-106.5820212	364044.1282503845	4377333.64121284	2843.070676085382	2709.867792544144	2629.479320623487	2629.479320623487	80.3691463975462	80.3691463975462	
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662	268	198242	350188.8586730335	968617.3170250766	39.534884052	-106.5679961	365250.025968417								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatHtKgs.f	SatHtBoth.f
5	269	198325	-368301.1413	96927.71720250766	39.52988247043909	-102.1044586	233717.0055186994	4380184.368269907	3584.674646861345	3582.519103	3583.38702940574	3584.7741849584636	61.3179990215576	67.7449178446261
6	269	198326	-367641.1413	96927.71720250766	39.529907657390424	-102.1021203	23372.1170615987	4380176.125815283	3841.02263429574	3841.02263429574	3583.028857442711	3583.9164455259618	68.2102274255396	67.3226383240864
7	269	198327	-366981.1413	96927.71720250766	39.529923799174884	-102.099762	23373.2286242114	4380176.125815283	3841.02263429574	3841.02263429574	3583.028857442711	3583.9164455259618	68.2102274255396	67.3226383240864
8	269	198328	-366321.1413	96927.71720250766	39.52995789579254	-102.097437	23374.3395473904	4380171.948	3841.02263429574	3841.02263429574	3583.028857442711	3583.9164455259618	68.2102274255396	67.3226383240864
9	269	198329	-365661.1413	96927.71720250766	39.52998924724321	-102.0951054	23375.4501	4380167.80763021	3860.246410476746	3861.26867653469	3578.1549672286866	3577.6471449139754	68.2102274255396	67.3226383240864
10	269	198330	-365001.1413	96927.71720250766	39.53000795352697	-102.0927671	23417.656059240852	4380163.66818729	3866.448575623294	3866.097055449236	3575.805047942636	3575.398851711533	70.2920073023618	70.6982047796913
11	269	198331	-364341.1413	96927.71720250766	39.53003291464367	-102.0904288	23437.67081596749	4380159.529	3866.944147338076	3864.805240911458	3573.215040086818	3572.995732571155	71.59020082734196	71.80958034300302
12	269	198332	-363681.1413	96927.71720250766	39.53006730593336	-102.0880905	23458.78706723033	4380155.399678049	3861.76194351925	3643.512491316928	3570.0412939516734	3570.0412939516734	72.4289814326788	73.49846182330748
13	269	198333	-363021.1413	96927.71720250766	39.530092799174884	-102.0857529	23479.89047394712	4380151.351	3858.155169812685	3842.218680737228	3563.377026869318	3567.168091299518	73.4981719757174	74.8011065095977
14	269	198334	-362361.1413	96927.71720250766	39.53010752691123	-102.0834138	23499.9990706152	4380147.11204752	3851.366543204593	3640.62184730771	3561.2674183015967	3563.3664	75.6577488501474	76.577488501474
15	269	198335	-361701.1413	96927.71720250766	39.53013230743938	-102.0810755	23518.1090762057	4380142.75306163	3850.126900701432	3639.826811597294	3560.187186747446	3560.8491783073564	78.7788352732449	78.7788352732449
16	269	198336	-361041.1413	96927.71720250766	39.530157042720305	-102.0787372	23538.32179885072	4380138.83291305	3852.8401362657105	3638.320651368545	3556.913202109513	3557.346869674677	81.0189630290574	80.9805701602674
17	269	198337	-360381.1413	96927.71720250766	39.530181723833896	-102.0763899	23558.42663650787	4380136.749274081	3855.5533718304105	3637.0345215444722	3553.040169127942	3552.921815884901	83.9495241653009	84.1135302769114
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19	269	198339	-359061.1413	96927.71720250766	39.53023098	-102.0717222	23598.5344442532	4380126.41795926	3854.436307643073	3543.230726274417	3542.900298581463	3542.900298581463	91.20505795952816	91.5360709
20	269	198340	-358401.1413	96927.71720250766	39.53025533170415	-102.0693839	23618.76100690913	4380122.28401178	3859.47753047933	3633.13535314748	3538.148697630447	3537.4980016425067	94.986555840317	95.6375157
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24	269	198344	-355761.1413	96927.71720250766	39.5303532089406	-102.0600306	23699.0798406943	4380107.873077226	3856.247697095246	3627.9139647148427	3547.789651194555	3547.733423028761	104.13232028761	104.17683005201127
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29	269	198349	-352461.1413	96927.71720250766	39.53047449113025	-102.048339	23799.610022941	4380075.67808611	3830.901770654046	3621.297434851025	3548.652339361614	3548.7688351471834	172.6450853393026	172.6450853393026
30	269	198350	-351801.1413	96927.71720250766	39.5304985048296	-102.0460066	23819.1572799895	4380080.92470661	3826.77680250581	3619.965567350688	3548.1639748349407	3548.652339361614	181.9019251574742	181.9019251574742
31	269	198351	-351141.1413	96927.71720250766	39.5305265184296	-102.0436623	23839.82037749022	4380076.78477098	3822.127283025224	3618.6344726183074	3547.523793687474	3548.6984907447004	171.1106789	171.1106789
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33	269	198353	-349821.1413	96927.71720250766	39.53057063187167	-102.0388816	23880.256958484	4380068.51848377	3816.95796970675	3615.981325684294	3546.76895221757	3548.73181825681	189.75181825681	189.75181825681
34	269	198354	-349161.1413	96927.71720250766	39.53059474522188	-102.0364772	23903.1386138416	4380064.38381155	3814.61611171734583	3544.544327142583	3545.7518599141974	3545.7518599141974	198.604216562709	198.604216562709
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37	269	198357	-347181.1413	96927.71720250766	39.5306660491155	-102.0296322	23960.4484285616	4380051.982114933	3800.6326212505112	3612.07306371012	3538.9156074297425	3539.52722838309	211.81168984	211.81168984
38	269	198358	-346521.1413	96927.71720250766	39.5306891150093	-102.0272939	23980.54811668128	4380047.84652323	3799.278414015715	3609.423711343224	3536.7668905789955	3536.7668905789955	225.6260928	225.6260928
39	269	198359	-345861.1413	96927.71720250766	39.53071346752581	-102.024858	24008.60514701166	4380035.4508779	3798.578934739558	3608.1237017010104	3534.8795397998	3534.8795397998	235.447169363261	235.447169363261
40	269	198360	-345201.1413	96927.71720250766	39.530737139174884	-102.022611	24029.7531988848	4380029.38222949	3798.578934739558	3607.17071251216	3534.8795397998	3534.8795397998	248.75181825681	248.75181825681
41	269	198361	-344541.1413	96927.71720250766	39.53076074522188	-102.0202768	24040.8561354416	4380015.4984775	3798.578934739558	3605.341414891454	3530.1229232107567	3530.1229232107567	261.75181825681	261.75181825681
42	269	198362	-343881.1413	96927.71720250766	39.53078436174716	-102.0179404	24061.19582039457	4380001.31695467	3805.443799555428	3604.24581424513	3527.888769808394	3527.888769808394	275.507850622474	275.507850622474
43	269	198363	-343221.1413	96927.71720250766	39.530807821922004	-102.0156021	24081.03105958627	4380001.31695467	3805.443799555428	3604.24581424513	3527.888769808394	3527.888769808394	288.7207024011896	288.7207024011896
44	269	198364	-342561.1413	96927.71720250766	39.53083129250072	-102.0132637	24101.618405614	4380003.052462514	3806.852019551512	3601.68224532472	3523.40494914893158	3523.40494914893158	298.7207024011896	298.7207024011896
45	269	198365	-341901.1413	96927.71720250766	39.53085471791086	-102.0109254	24121.2632909354	4380002.58205488	3807.147923	3600.40602100246	3523.61090975755	3523.61090975755	308.7595017434	308.7595017434
46	269	198366	-341241.1413	96927.71720250766	39.5308780915224	-102.008597	24141.3645613753	4380004.78812739	3807.43959571688	3599.1344991720625	3523.40494914893158	3523.40494914893158	319.75043013455	319.75043013455
47	269	198367	-340581.1413	96927.71720250766	39.53090271292406	-102.0063193	24161.5658501732	4380006.530623628	3808.6890537928	3598.006517959104	3523.40494914893158	3523.40494914893158	330.75043013455	330.75043013455
48	269	198368	-339921.1413	96927.71720250766	39.53092471292406	-102.0040913	24181.5658501732	4380006.530623628	3808.6890537928	3598.006517959104	3523.40494914893158	3523.40494914893158	341.75043013455	341.75043013455
49	269	198369	-339261.1413	96927.71720250766	39.5309478678452	-102.0015719	24201.91662227933	4380002.394975536	3					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
131	269	198451	-285141.1413	96927.7172052076	36.53270303273949	-101.809821	258509.0460623322	4379664.39026115	3685.9564366067975	3364.6204912883399	3359.924808419623	331.6306146734855	126.33616593166516	
132	269	198452	-284841.1413	96927.7172052076	36.53271961831678	-101.8074285	258710.1252681581	4379662.5072800877	3682.171998	3485.0315552880265	3362.96850374056	332.534324791209	127.0572304965065	
133	269	198453	-283821.1413	96927.7172052076	36.53270396872587	-101.805144	25881.2055556602	437965.16581884	3648.261946	3483.801728132746	3361.073889686793	332.71788041484	126.68938080842	
134	269	198454	-283161.1413	96927.7172052076	36.5327586378607	-101.802055	259112.2845405454	4379660.205330514	3674.603823909114	3354.2056437349014	3354.904539113925	334.231751842125	127.6272840619045	
135	269	198455	-282501.1413	96927.7172052076	36.53277803	-101.800467	259313.36406952178	4379647.93691441	3671.205103436206	33413280890976152	3337.19198833264	332.95609926435145	127.13900015021272	
136	269	198456	-281841.1413	96927.7172052076	36.53273981348913405	-101.7981286	259514.44301029135	4379648.3796912031	3668.20571699575	3480.084408412715	3355.473082538495	3352.1673508793554	127.9203338742202	
137	269	198457	-281181.1413	96927.7172052076	36.53281661863117	-101.7957901	259915.5216866513	4379639.715020135	3665.202033940209	3478.8508933904	3353.488548993465	3350.037861341105	127.3622145916603	
138	269	198458	-280521.1413	96927.7172052076	36.53283584317657	-101.7934516	25996160.2553696	4379635.64061256	3662.199544148903	3477.6147410587362	3352.0571197189974	3348.479122063743	126.5576133979579	
139	269	198459	-279861.1413	96927.7172052076	36.5328395872587	-101.7911131	260117.678274268	4379631.46281884	3676.3694267644462	3476.3694267644462	3350.345239291184	3349.6171207307714	126.03478692613914	
140	269	198460	-279201.1413	96927.7172052076	36.532874156749976	-101.7887746	260318.765204344	4379627.38139617	3661.438225004067	3475.14954	3349.096700058217	3347.75171523552	126.0489974831348	
141	269	198461	-278541.1413	96927.7172052076	36.53283834577791	-101.7864361	260518.83402076634	4379623.27030107	3661.932210423687	3473.914284294062	3347.545740431422	3346.831704238514	126.3685436826395	
142	269	198462	-277881.1413	96927.7172052076	36.53291229633286	-101.7840976	260720.915126296	4379619.159017275	3662.426193830373	3472.681703767882	3346.11984182193	3345.937430130562	126.5618615685881	
143	269	198463	-277221.1413	96927.7172052076	36.53293128831605	-101.7817591	260921.9887628366	4379615.04903072	3661.8687208792517	3471.4443280708924	3344.952311346858	3344.854762154084	126.420167240343	
144	269	198464	-276561.1413	96927.7172052076	36.53295024182621	-101.7794206	261123.0568776988	4379610.83677854	3660.259790931519	3470.20114977115	3343.4022550209136	3342.6153490059323	126.7908847420133	
145	269	198465	-275901.1413	96927.7172052076	36.53296915016389	-101.7770281	261324.14257148025	4379609.62862565	3658.6504885838784	3469.744858565405	3342.15823304762	3342.623507433486	126.78961555175874	
146	269	198466	-275241.1413	96927.7172052076	36.53298801323846	-101.7747436	261525.2191195046	4379602.718624497	3657.041931030565	3467.888391147815	3340.91640413498	3341.911679	126.77194173342054	
147	269	198467	-274581.1413	96927.7172052076	36.533006831320485	-101.7724051	261726.2943210898	4379598.608604224	3655.646886	3466.416955	3339.543217286473	3340.072596459767	126.873737704769	
148	269	198468	-273921.1413	96927.7172052076	36.53302560413973	-101.7700666	261927.371509478	4379594.499441595	3654.471125155413	3465.127812550577	3338.210770265037	3341.91067145527	126.9127110506996	
149	269	198469	-273261.1413	96927.7172052076	36.53304431786186	-101.7677281	262128.44735182315	4379590.39	3653.2852654508837	3463.819751276841	3336.7168836390747	3340.684069207784	126.10286763792647	
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151	269	198471	-271941.1413	96927.7172052076	36.53308185156049	-101.7630511	262530.9833224973	4379582.126999225	3650.49168083455	3461.1451932815485	3333.11945998332	3338.577775313747	125.969972922166	
152	269	198472	-271281.1413	96927.7172052076	36.5331002436829	-101.7607126	262731.673407455	4379578.73686635	3648.79568622227	3459.17929967683	3331.39423230922	3332.547375175115	126.3894973874764	
153	269	198473	-270621.1413	96927.7172052076	36.5331192373863	-101.7583474	262932.468753272	4379574.98592312	3648.261946	3458.261946	3330.419404137743	3331.630162525445	126.89325625445	
154	269	198474	-269961.1413	96927.7172052076	36.53313729242454	-101.7560056	263133.8240533024	4379569.847115055	3646.267834719697	3457.00037615776	3328.1132672736917	3329.57054466022	126.8871104208427	
155	269	198475	-269301.1413	96927.7172052076	36.5331557490376	-101.7538971	263334.8978183056	4379565.739155452	3642.21412408314	3455.953478842538	3326.493504867954	3327.211241474965	126.9099739745883	
156	269	198476	-268641.1413	96927.7172052076	36.53317416046951	-101.7513586	263535.971684745	4379561.631413398	3640.17868495842	3454.18113989557	3324.921330003287	3325.868031644812	126.926103986270	
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158	269	198478	-267321.1413	96927.7172052076	36.53321084782168	-101.7466816	263938.1193064186	4379553.41681807	3638.109225878426	3451.35939397123	3321.603800272758	3323.5384796917588	127.4493367340044	
159	269	198479	-266661.1413	96927.7172052076	36.53322912373863	-101.744343	264138.19284309454	4379549.626595431	3638.792365770733	3450.76783513638	3320.16304273618	3322.547375175115	126.968331195717962	
160	269	198480	-266001.1413	96927.7172052076	36.53324054400922	-101.7420405	264340.266246147	4379545.20618477	3637.1002169317	3448.61102168917	3318.61054905243	3321.20211648047	127.4088705194763	
161	269	198481	-265341.1413	96927.7172052076	36.53326554060611	-101.739666	264541.3390326887	4379541.059640555	3628.5942843509947	3447.28726596293	3317.0907247513683	3316.04544555216	126.9172018494262	
162	269	198482	-264681.1413	96927.7172052076	36.53328368045671	-101.7373275	264742.412104111	4379536.989527136	3625.995263411256	3445.978500304555	3315.412037722794	3318.80549054022	126.9566131704022	
163	269	198483	-264021.1413	96927.7172052076	36.53330175680016	-101.734989	264943.484819931	4379532.883307176	3623.77220350524	3444.673504666519	3313.866246803656	3317.752619423165	126.8073158628625	
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165	269	198485	-262701.1413	96927.7172052076	36.5333378006565	-101.7303719	265345.6293353863	4379524.871521335	3620.078062	3442.0668473737304	3310.325412008614	3312.4778859788103	131.7414356531164	
166	269	198486	-262041.1413	96927.7172052076	36.5333557030973	-101.7278734	265546.701119167	4379520.565954361	3619.26109813638	3440.76783513638	3310.16304273618	3312.547375175115	126.968331195717962	
167	269	198487	-261381.1413	96927.7172052076	36.53337348429434	-101.7256349	265747.772658978	4379516.46004853	3617.07049243804	3439.47378827324	3310.07308679435	3313.517028679435	126.9566131704022	
168	269	198488	-260721.1413	96927.7172052076	36.53339154719568	-101.7232964	265948.840742902	4379512.355427807	3616.624336939734	3438.182901713816	3304.426496	3316.6403617089413	131.7587954552214	
169	269	198489	-260061.1413	96927.7172052076	36.5334093837838	-101.7209578	266149.9152599573	4379508.251	3616.168923595095	3436.802468352084	3302.532110070031	3305.223686878892	131.73073686517725	
170	269	198490	-259401.1413	96927.7172052076	36.53342717378755	-101.7186193	266350.9862	4379504.146	3615.713510975495	3435.6253676915785	3300.74107643837	3304.95041429262	131.884429125170478	
171	269	198491	-258741.1413	96927.7172052076	36.5334491122314	-101.7162808	266552.0569381267	4379500.04138148	3614.7774171226097	3434.355144111695	3298.961898832271	3303.9145514561815	131.923545788996	
172	269	198492	-258081.1413	96927.7172052076	36.5334626	-101.7139423	266753.1274316715	4379495.37119066	3613.360844115563	3433.093127859455	3296.991320391646	3302.0251695423569	131.910833497271	
173	269	198493	-257421.1413	96927.7172052076	36.53348137347364	-101.7116429	266958.194313106	4379490.834913106	3612.39109813638	3432.045852986887	3304.934194343036	3302.547375175115	126.968331195717962	
174	269	198494	-256761.1413	96927.7172052076	36.53349784168805	-101.7092652	267155.2677	4379487.7292675	3610.527611	3430.0506859159	3302.3004808905	3302.83187026542	131.7404205107939	
175	269	198495	-256101.1413	96927.7172052076	36.53351539428616	-101.7069267	267366.353256174	4379483.626	3608.7945019168474	3429.380919311913	3299.923019616639	3294.746677196284	131.845790031455226	
176	269	198496	-255441.1413	96927.7172052076	36.53352902796125	-101.7045881	267557.407107546	4379479.52244098	3606.744919426505	3428.170599230665	3288.620525816716	3292.0291305115154	126.95007341394912	
177	269	198497	-254781.1413	96927.7172052076	36.53355035558484	-101.7022496	267758.47645523513	4379474.91088586	3604.695319048523	3426.97516692367	3286.2374096840276	3288.2191929316887	131.7402041985237954	
178	269	198498	-254121.1413	96927.7172052076	36.53356778320904	-101.6999111	267959.455685377	4379470.04138148	3602.64579414255	3425.8038				

ix	iy	icst	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvgsKrg.f	BRLEvbothKrg.f	SatHtKgs.f	SatHtBoth.f
257	269	19857	-201981.1413	96927.71720520766	35.534801023182126	-101.5151634	263843.29969407636	4379147.868737613	334.536899054916	313.3304049498053	3185.9375148891935	3185.2797247800427	3127.39293415161183	128.0507246976267
258	269	19857	-201321.1413	96927.71720520766	35.534814262679494	-101.5128248	284044.3511526001	437913.78146319	3363.657983037046	311.8275436107115	3184.0790226658663	3184.0240621166354	3127.74332114213496	128.785281484006162
259	269	19857	-200961.1413	96927.71720520766	35.534826355231494	-101.4964545	284545.40229925404	437915.19007651	3383.801563983079	3301.1348708270486	3183.150349071746	3181.703672711885	3127.1413366830346	128.6251588886111
260	269	19850	-200001.1413	96927.71720520766	35.5348423	-101.5081476	284446.453434956	437913.613	3364.982721771875	3308.82619701216	3182.691818536166	3179.95127990205166	3126.1330116139933	128.8743307698532
261	269	19851	-199341.1413	96927.71720520766	35.53485566657578	-101.505809	284647.50425575965	4379131.257367056	3366.1666511383582	3302.311664916638	3182.162885560893	3179.255199014098	3125.15877336054858	128.666459061399
262	269	19852	-198681.1413	96927.71720520766	35.5348694984343	-101.5034703	284848.5546662161	4379127.422488164	3347.346075	3305.812365328706	3181.478012120594	3179.222474638105	3125.086410811217	128.58957638490565
263	269	19853	-198021.1413	96927.71720520766	35.53488316721475	-101.5011317	285049.60526520805	4379123.358411318	3375.8190424691927	3304.2873365007484	3180.5891089844083	3177.3153604016166	3123.6982548662814	126.9720234913277
264	269	19854	-197621.1413	96927.71720520766	35.53489669971675	-101.4987391	285250.655428056	437919.174150555	3391.58523231471	3302.73402904218	3179.504112727848	3175.1415727696244	3123.225867633335	127.6183013493774
265	269	19855	-197071.1413	96927.71720520766	35.534910187148164	-101.4964545	285451.7054	437915.19007651	3383.801563983079	3301.1348708270486	3183.150349071746	3181.703672711885	3127.1413366830346	128.6251588886111
266	269	19856	-196041.1413	96927.71720520766	35.534923635520766	-101.4941159	285622.75519477723	437911.106211921	3342.1178747569597	3299.457643915165	3176.65273671175	3159.551272092209	3122.8220719765206	129.83247182259598
267	269	19857	-195381.1413	96927.71720520766	35.53493700637588	-101.4917772	285853.8047455565	4379107.02578611	3431.8539316242007	3297.740081435538	3174.818059100354	3162.573231808987	3122.9022323	135.167595466815
268	269	19858	-194721.1413	96927.71720520766	35.53495037822501	-101.4894386	286054.5840938108	437902.939154716	3433.559734060191	3295.91469697001	3172.7741356601614	3162.417477272665	3123.14433403683691	128.5259024243345
269	269	19859	-194061.1413	96927.71720520766	35.53496368489764	-101.4871	286255.9032277476	4379008.556707818	3435.265537507618	3304.0132497321456	3170.458316221928	3162.484238787122	3125.55493310021778	131.5209104493336
270	269	19859	-193401.1413	96927.71720520766	35.53497696393726	-101.4847614	286456.9521515674	4379004.72750212	3436.9712603571	3292.035211069964	3168.507425901276	3161.9797664555687	3123.5277851666860	130.0554482439475
271	269	19859	-192741.1413	96927.71720520766	35.534991270713264	-101.4824227	286658.006665477	4379000.69018189	3437.274803077593	3299.999945977036	3168.5632309206992	3163.196445595344	3126.81322964213045	126.81322964213045
272	269	19859	-192081.1413	96927.71720520766	35.53500333356522	-101.480041	286859.049369684	4379006.07602309	3433.182008132846	3287.022751451237	3164.388103671664	3162.871503112407	3123.5364177967333	125.10512483387654
273	269	19859	-191421.1413	96927.71720520766	35.53501648822501	-101.477455	287060.0976639868	4379002.52855514	3438.087185527996	3285.817668434389	3162.8716021168675	3161.0211932775168	3124.92716471750144	124.8065731067771
274	269	19859	-190761.1413	96927.71720520766	35.535026594601224	-101.4754068	287261.157498165	4379004.54361731	3426.962325225523	3283.6963746223435	3161.47195897547	3160.485177749456	3122.227677447964	123.14513020318491
275	269	19895	-190101.1413	96927.71720520766	35.53504256272526	-101.4730682	287462.19362614903	4379074.361254556	3428.6236837158406	3281.5749118285494	3160.47210540633	3160.5147387628116	3121.0280638791619	121.05740726573778
276	269	19895	-189441.1413	96927.71720520766	35.5350556666161	-101.4707296	287663.2413	4379070.279564028	3429.581147097655	3279.4515239718453	3159.588514013811	3159.97415226299	3119.8630095803413	119.4737177092462
277	269	19897	-188781.1413	96927.71720520766	35.535068511921224	-101.468391	287864.28875238297	4379006.198900131	3429.329012092895	3277.3304029439544	3158.873448280235	3158.982923778429	3118.49749810750748	118.35211915704758
278	269	19898	-188121.1413	96927.71720520766	35.535081412004125	-101.4660523	288065.3600269444	4379002.116382266	3435.096762910138	3275.324808225973	3158.020465435058	3158.141264504398	3117.021244766433	117.0922451315943
279	269	19899	-187481.1413	96927.71720520766	35.53510704763385	-101.463713	288266.53084474344	4379003.635495685	3436.5102471046923	3281.4489191450316	3157.942418555687	3151.14277233278	3116.98232025392	116.703987898535
280	269	19900	-186901.1413	96927.71720520766	35.53510704763385	-101.461375	288467.42987873003	4379003.945468178	3438.608125269605	3271.005540782845	3156.420582020461	3154.1951134526583	3116.98232025392	116.703987898535
281	269	19901	-186141.1413	96927.71720520766	35.53511984119212	-101.4590364	288668.476504874	4379004.973695757	3439.607190055665	3269.0705545522887	3156.053694	3150.8046133238838	3116.98232025392	116.703987898535
282	269	19902	-185481.1413	96927.71720520766	35.5351325605678	-101.4569978	288869.522933755	4379045.793699288	3438.7858739844425	3267.096161147194	3155.944833963267	3146.081940124951	3115.151327892751	121.0147713222145
283	269	19903	-184821.1413	96927.71720520766	35.53514523476667	-101.4543591	289070.56913443236	4379001.717395685	3435.265537507618	3265.162877749698	3155.557369625392	3146.081940124951	3115.151327892751	121.0147713222145
284	269	19904	-184161.1413	96927.71720520766	35.5351578837861	-101.4520205	289271.611832952	4379007.633830025	3422.975133867327	3263.28436670257	3154.6240774383076	3146.081940124951	3115.151327892751	121.0147713222145
285	269	19905	-183501.1413	96927.71720520766	35.5351704763385	-101.449816	289472.660030545	4379002.116382266	3435.096762910138	3275.324808225973	3158.020465435058	3158.141264504398	3117.021244766433	117.0922451315943
286	269	19906	-182841.1413	96927.71720520766	35.53518296301734	-101.4474332	289673.7095250296	4379002.116382266	3435.096762910138	3275.324808225973	3158.020465435058	3158.141264504398	3117.021244766433	117.0922451315943
287	269	19907	-182181.1413	96927.71720520766	35.53519547979252	-101.4450064	289874.7519083882	4379002.3564454	3429.180290051733	3257.899644031705	3150.341267768046	3132.130020826475	3107.553762365913	125.7664432005039
288	269	19908	-181521.1413	96927.71720520766	35.5352079011325	-101.4426569	290005.7972	4379001.31671013	3434.441213833329	3256.1643517729544	3148.2412037030586	3131.141312071	3107.553762365913	125.7664432005039
289	269	19909	-180861.1413	96927.71720520766	35.535220331250386	-101.4403273	290276.8421560212	4379017.232961143	3439.702187761458	3254.452604609595	3146.063624862102	3133.2154390128458	3108.3893212038936	125.7664432005039
290	269	19910	-180201.1413	96927.71720520766	35.535232689210524	-101.4379887	290477.8869207683	4379013.1881117411	3443.9312505755175	3252.792918	3143.9312505755175	3135.359757746137	3121.3994004011318	117.3994004011318
291	269	19911	-179541.1413	96927.71720520766	35.53524504193566	-101.43595	290678.9314977023	4379009.080196025	3446.895506419325	3251.068271901594	3147.6136650236717	3135.05066162503	3120.990621665207	116.0236104819944
292	269	19912	-178891.1413	96927.71720520766	35.535257325520766	-101.433114	290879.975330014	4379005.31201717	3449.491472666474	3249.4117212217	3139.4117212217	3139.4117212217	3120.990621665207	116.0236104819944
293	269	19913	-178221.1413	96927.71720520766	35.53526948202846	-101.4309727	291081.01998107683	4379000.923613905	3446.103853193625	3247.756770474866	3137.221705687049	3132.20126698026745	3120.990621665207	116.0236104819944
294	269	19914	-177561.1413	96927.71720520766	35.53528166920195	-101.4286341	291282.063387744	4378996.846169645	3447.702797817213	3246.110056715233	3134.878486041126	3129.0585285570607	3117.222062547108	117.02422831446256
295	269	19915	-176901.1413	96927.71720520766	35.53529380135481	-101.4262954	291483.107661729	4378992.76853899	3440.075120475227	3244.477205323525	3132.37143601953	3127.1412542389617	3116.98232025392	116.98232025392
296	269	19916	-176241.1413	96927.71720520766	35.5353083882525	-101.4239568	291684.1515	4378988.691	3442.302029162847	3242.843656962182	3129.532268	3126.3765962162847	3113.3121512682603	116.46827299425468
297	269	19917	-175581.1413	96927.71720520766	35.535317929972514	-101.4216811	291885.194533277	4378984.61091792	3442.302029162847	3241.2250571204945	3127.074739184368	3126.3765962162847	3113.3121512682603	116.46827299425468
298	269	19918	-174921.1413	96927.71720520766	35.53532962515544	-101.419279	292086.2734744978	4378990.37165456	3445.490626734096	3239.614822677598	3125.69710343747	3125.69710343747	3113.3121512682603	116.46827299425468
299	269	19919	-174261.1413	96927.71720520766	35.535341788133	-101.416921	292287.3632052184	4378992.76853899	3447.702797817213	3246.110056715233	3134.878486041126	3129.0585285570607	3117.222062547108	117.02422831446256
300	269	19920	-173601.1413	96927.71720520766	35.53535378406967	-101.4146022	292488.32328599	4378972.36392172	3449.4914					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
387	269	198703	-118821.1413	96927.2710250766	35.536184507705144	-101.2204918	309174.17830725823	4378634.788795979	3261.208078992233	312.93240424878601	3033.7999060260773	3028.950134967814	91.3426585252364	103.9841151076899
384	269	198704	-118611.1413	96927.2710250766	35.53619261809538	-101.2181531	309375.2046296796	4378630.704465338	3265.8231183767916	311.789955207082	3033.923496	3029.521678	98.5364594882414	102.25273735848214
385	269	198705	-117601.1413	96927.2710250766	35.536204813248789	-101.2017621	310792.36365952866	4378626.232123098	3262.521581987125	310.928953851008	3031.811097082747	3028.92865783687	98.78189144213411	102.34472171516247
386	269	198706	-116841.1413	96927.2710250766	35.53620870584444	-101.2134577	309777.25670723815	4378622.6149971498	3245.0531974750959	312.940083843957	3030.586276193232	3028.114807497586	98.78189144213411	101.2699963436784
387	269	198707	-116181.1413	96927.2710250766	35.53621668153305	-101.211137	309978.28246821184	4378618.557	3240.288484191769	312.9230929206406	3029.256821633398	3027.032790174434	98.7401765724267	101.1713916110659
388	269	198708	-115521.1413	96927.2710250766	35.53622461	-101.2087983	310170.3804033518	4378614.49257118	3236.14404889289	312.869046	3027.600197854143	3025.684276784576	98.3888542499565	101.3047642583346
389	269	198709	-114861.1413	96927.2710250766	35.536223497374326	-101.2046595	310380.33343286434	4378610.44967083	3231.9996036060893	312.759421455187	3025.739789501317	3024.119836	101.0361553389695	101.639829222699
390	269	198710	-114201.1413	96927.2710250766	35.5362303732513	-101.2041208	310581.3586395952	4378606.1043992034	3227.855158	312.5436781605406	3025.6888888656	3022.99535050092	100.9648740793878	101.518035664127
391	269	198711	-113541.1413	96927.2710250766	35.5362364913248789	-101.2168144	309876.230766249	4378602.52332884	3224.871408889888	312.5251581987125	3026.9674304100495	3020.077450371892	102.34472171516247	101.3122202036
392	269	198712	-112881.1413	96927.2710250766	35.53625882216038	-101.1994434	310583.40894896927	4377898.271509893	3217.474255331873	312.5714771747291	3027.7147335399964	3018.0445314152745	100.1965720792478	103.829733021967
393	269	198713	-112221.1413	96927.2710250766	35.53626358996034	-101.1971047	311184.431387513	4378594.25112387	3211.938752277425	312.6077914131258	3014.2548785760065	3014.821753455551	102.3421838371927	105.862671945748
394	269	198714	-111561.1413	96927.2710250766	35.536271246324025	-101.194766	311385.45760321047	4378590.159	3206.4010789216636	311.8262584001064	3014.4992356449343	3011.224203	108.863027557121	106.1382349836404
395	269	198715	-110901.1413	96927.2710250766	35.53627886059866	-101.1924273	311586.48188327637	4378585.103	3203.956907640371	311.810252100957264	3006.55880827483	3006.891780619206	111.43490326824324	111.13272947552018
396	269	198716	-110241.1413	96927.2710250766	35.5362842967621	-101.1900886	311787.5059791544	4378582.074211411	3204.606234354743	310.866923254997	3007.717350423261	3007.935998666784	113.9495728173608	113.27927373821285
397	269	198717	-109581.1413	96927.2710250766	35.53629355374734	-101.1877489	311988.5299105124	4378577.96194038	3205.255969222474	311.55277602217527	3009.4096369883145	3001.0509969807133	115.7886963343622	114.23980401663939
398	269	198718	-108921.1413	96927.2710250766	35.536301432294124	-101.1854112	312189.55361917126	4378573.936306369	3205.904900019007	311.538802405653158	3007.7112913444957	3000.4283355396907	116.1780491308205	115.495005256461
399	269	198719	-108261.1413	96927.2710250766	35.5363086583444	-101.1830724	312390.5716372015	4378569.881	3207.7007689273	312.4168761	3007.9250897740495	3002.491666267972	117.94886423710524	109.8709343080206
400	269	198720	-107601.1413	96927.2710250766	35.536316254195604	-101.1807337	312591.6057420007	4378565.82639269	3218.651102234804	311.0355058929575	2998.666190135552	3005.175557706376	112.3436418830227	105.859931389697
401	269	198721	-106941.1413	96927.2710250766	35.53632358737765	-101.178395	312792.623702925	4378561.71697233	3226.93212678040	310.95869256777	3000.4802354757744	3007.857331274424	108.10662379180258	101.72926124013457
402	269	198722	-106281.1413	96927.2710250766	35.536330895380544	-101.1760563	312993.6466980044	4378557.17240821	3236.312513129576	310.811241297677	3002.483052435882	3004.6738095747033	105.6471032429653	97.45031522449653
403	269	198723	-105621.1413	96927.2710250766	35.536338148202494	-101.1737176	313194.9689103254	4378553.6000044	3240.854865334274	310.6478925395544	3004.417107874225	3002.018945260699	102.2321878081318	94.55849399
404	269	198724	-104961.1413	96927.2710250766	35.53634535584883	-101.1717389	313395.692401067	4378549.860974491	3243.856086741765	310.51671488898	3006.153439	3002.01732358332	100.973739611502	92.085934366615
405	269	198725	-104301.1413	96927.2710250766	35.53635284477435	-101.1696079	313696.74129914	4378545.55	3246.871273436	310.53623000441	3008.29147846905	2999.475109262391	94.2257451819142	83.52816119082917
406	269	198726	-103641.1413	96927.2710250766	35.53635935360034	-101.1667104	313797.738652366	4378541.5017438	3249.88727561196	310.213542876848	3008.956759142727	3010.47280209086	93.70865026537	82.062620516213
407	269	198727	-102981.1413	96927.2710250766	35.53636670770728	-101.1643627	313988.7586325576	4378537.445	3252.829757263376	310.068967303465	3009.733888970417	3011.12736658051	93.17862363142224	89.4340625436364
408	269	198728	-102321.1413	96927.2710250766	35.53637373	-101.162024	314199.78083792527	4378533.39030397	3255.705775233324	309.08654158322	3010.0869945059393	3012.104280549381	95.8615677032851	86.9651361033843
409	269	198729	-101661.1413	96927.2710250766	35.53638071638346	-101.1596853	314400.825808297	4378529.342032059	3258.581529520322	309.721549386665	3009.93668581291	3011.9537821708373	88.9818135537465	85.5677677
410	269	198730	-101001.1413	96927.2710250766	35.53638762952676	-101.1573466	314601.8240969314	4378525.289351072	3261.457366117317	309.54675890821636	3009.4938147316357	3011.17496137635	86.7474375502768	84.7962744562853
411	269	198731	-100341.1413	96927.2710250766	35.536394434282	-101.1550679	314802.845456777	4378521.236867913	3262.186083525381	309.4096369883145	3008.7342639280367	3008.7342639280367	87.5434647901621	83.52816119082917
412	269	198732	-99681.1413	96927.2710250766	35.53640139553245	-101.1526971	315093.8666315278	4378517.1453284	3263.85990767979	309.2789960105873	3007.94999707712	3008.7400731361404	84.2029113611604	84.1091651963393
413	269	198733	-99021.1413	96927.2710250766	35.53640819	-101.1503304	315204.8876276871	4378513.13450412	3264.325488307557	309.219604472937	3007.8009534054387	3008.9092770166151	83.4959510250017	83.4959510250017
414	269	198734	-98361.1413	96927.2710250766	35.536414947436626	-101.1479917	315405.9084433614	4378508.00851083	3267.76985517433	3089.75733	3005.2677412143447	3006.50520284	84.4899178713544	83.2370406096034
415	269	198735	-97701.1413	96927.2710250766	35.5364216810934	-101.145653	315606.9298787575	4378505.98277293	3264.888235023213	308.82359144603256	3004.524947429716	3008.7196961735043	83.3281497227473	83.3281497227473
416	269	198736	-97041.1413	96927.2710250766	35.53642832360603	-101.1433143	315807.946304104	4378500.979748019	3265.589353042622	308.593530845393	3004.059867301016	3008.690895268034	82.6458468	82.6458468
417	269	198737	-96381.1413	96927.2710250766	35.5364349450024	-101.1409758	316008.96905945534	4378496.52624795	3266.29799214022	308.5214243565939	3001.48462298828	3001.73500428288	82.7352066	83.475737374414
418	269	198738	-95721.1413	96927.2710250766	35.5364415195046	-101.138639	316209.714	4378492.7570525	3268.7025481404	308.7025481404	2999.475109262391	3001.4115627613149	84.115627613149	84.115627613149
419	269	198739	-95061.1413	96927.2710250766	35.53644804909095	-101.1362581	316481.1098215801	4378488.82	3268.7516781091	308.282183795127873	2997.756889230494	3001.64115095274	84.222159	84.5426396007344
420	269	198740	-94401.1413	96927.2710250766	35.5364553378584	-101.1339594	316612.025686204	4378484.73889105	3268.25189553606	308.053735861679	2996.149970441162	2995.0250298612	84.50376542056256	84.7017487556672
421	269	198741	-93741.1413	96927.2710250766	35.536460973382236	-101.1316207	316813.0492167002	4378483.23263675	3269.11060454478	299.5105389184345	2994.6450458958726	3004.85096127013296	84.64160984647253	84.64160984647253
422	269	198742	-93081.1413	96927.2710250766	35.536467367799375	-101.1292819	317014.068595964	4378476.763383107	3271.46417317038	307.7515736223883	2994.188345768237	2993.551210011043	83.3634260545657	84.0006361198676
423	269	198743	-92421.1413	96927.2710250766	35.53647377103704	-101.1269432	317215.07879646305	4378472.63435325	3274.2821839704075	307.971863140975	2993.457031054188	2992.832676705085	83.425820867701	83.425820867701
424	269	198744	-91761.1413	96927.2710250766	35.5364804010925	-101.1246045	317416.1081589916	4378468.573793002	3276.312058976927	307.43767712416917	2992.532530891102	2991.86125132799664	81.4814637	82.5091648647334
425	269	198745	-91101.1413	96927.2710250766	35.5364879879036	-101.122368	317624.3419245138	4378464.1017438	3278.43159245138	307.29451784364	2991.2168948004	2991.423134771804	81.52816119082917	81.52816119082917
426	269	198746	-90441.1413	96927.2710250766	35.5364924836256	-101.119927	317818.143240864	4378462.5749567155	3280.331078752923	307.11068952905	2992.13140519843	2990.97596442243	79.9811339846372	80.5366240850352
427	269	198747	-89781.1413	96927.2710250766	35.53649866219311	-101.1175883	318018.16							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtElev.f	SatHtBoth.f
509	269	19829	-35661.14133	96927.7172025076	39.53685073411169	-100.9258118	43042.0935445585	478125.13465905	2972.313294284557	2945.534771561354	2882.861891665517	2780.86055169974	64.7263899583194	74.6246369137966
510	269	19830	-35001.14133	96927.7172025076	39.53685315270214	-100.9234731	334703.098	478121.103	2964.05763533055	2943.803078136874	2878.410377368974	2780.86055169974	65.39137407	73.17391684
511	269	19831	-34341.14133	96927.7172025076	39.53685262112406	-100.9213434	43781.172772917	478122.44213	2962.84246	2942.9895495398	2878.25222969458	2780.86055169974	70.8935655314541	73.17391684
512	269	19832	-33661.14133	96927.7172025076	39.5368578543256	-100.9187596	33505.1064	478113.0416157	2960.333731356623	2940.393371356623	2866.729617204206	2780.86055169974	73.17391684	73.17391684
513	269	19833	-33021.14133	96927.7172025076	39.53686017339249	-100.9164568	335306.103689014	478109.01085836	2937.71692483518	2866.403701035616	2865.7115604383	2780.86055169974	73.17391684	73.17391684
514	269	19834	-32361.14133	96927.7172025076	39.5368637256228	-100.9141181	335507.1147146733	478107.980272424	2966.191175	2937.062536102174	2866.618160906186	2780.86055169974	73.17391684	73.17391684
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524	269	19844	-25761.14133	96927.7172025076	39.53688270077875	-100.8907706	337517.1435	478064.688970118	3012.450862316885	2920.134130005477	2860.194525072328	2780.86055169974	73.17391684	73.17391684
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555	269	19875	-5301.141327	96927.7172025076	39.5369152745666	-100.8182293	343748.1351357813	477939.920867292						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLog3.ft	BRIElevLog3.ft	SatHtLog3.ft	SatHtBoth.ft
639	269	198955	47498.8586730335	969227.3170250766	36.53679998027967	-100.6311294	359827.45681630285	47377618.88975696	26877.790522451657	2715.25340056656025	2692.835434936324	2691.5782905719757	58.61785661927861	59.67510999362685
636	269	198956	48158.8586730335	969227.3170250766	36.536796417961454	-100.628706	360028.44255424252	47377614.88535062	2675.400253906765	2749.157459632297	2691.3003296706573	2690.141030517069	57.87481629571712	59.334715446160135
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640	269	198960	50798.8586730335	969227.3170250766	36.53678286	-100.6194357	360832.3846617077	47377602.87670104	2668.3728440362034	2740.960278649205	2667.263917781147	2667.0849383875223	73.6389808085686	73.22129378
641	269	198961	51458.8586730335	969227.3170250766	36.53677935966666	-100.6170969	361023.396828228	47377594.688	2669.26431847604	2740.840928485474	2669.7315885745243	2663.524545	79.1093024273009	75.31594773306727
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644	269	198964	54348.8586730335	969227.3170250766	36.53677689853425	-100.610807	361636.3245213553	47377592.8507038	2672.0118035715	2732.0118035715	2641.870544490224	2667.10457731346	90.730723689922	65.4927321
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665	269	198985	67298.8586730335	969227.3170250766	36.5366818052367	-100.5609762	365856.974220157	47377498.856	2623.873448650382	2694.76892388526	2622.87449710727	2623.873448650382	110.8273449574887	72.8553914950731
666	269	198986	67958.8586730335	969227.3170250766	36.53667715711994	-100.5586284	366057.96122559	47377494.85623814	2620.91378501637	2693.23879516037	2621.84063520522	2621.84063520522	110.8273449574887	70.346417534918
667	269	198987	68618.8586730335	969227.3170250766	36.5366725110439	-100.5562897	366258.7938700216	47377490.86428307	2620.05480740348	2691.344588945523	2620.740924583471	2621.5889680744293	110.8273449574887	70.346417534918
668	269	198988	69278.8586730335	969227.3170250766	36.5366677112632	-100.553951	366459.9195015219	47377486.80333839	2619.213780500218	2690.24098060563	2619.889611104294	2619.889611104294	110.8273449574887	69.76930749396024
669	269	198989	69938.8586730335	969227.3170250766	36.53666301600614	-100.5516212	366660.901004613	47377482.86562719	2622.4927123794155	2688.77052654513	2618.586432871504	2619.00138696925	110.8273449574887	69.76930749396024
670	269	198990	70598.8586730335	969227.3170250766	36.5366582055458	-100.549275	366861.9822054584	47377478.86984952	2622.720441959522	2687.31854045458	2617.4700913717	2617.4700913717	110.8273449574887	69.76930749396024
671	269	198991	71258.8586730335	969227.3170250766	36.5366535043871	-100.5469347	367062.863284801	47377474.87130518	2622.9823687852717	2686.36582877217	2616.4210711586943	2616.696545101255	110.8273449574887	69.196187173475915
672	269	198992	71918.8586730335	969227.3170250766	36.5366484984309	-100.544596	367263.8447489702	47377470.87589414	2620.2828741725943	2684.407522943437	2615.310338747836	2615.310338747836	110.8273449574887	69.196187173475915
673	269	198993	72578.8586730335	969227.3170250766	36.5366435406519	-100.5422573	367464.8258412907	47377466.879259635	2618.75538892581	2682.36658038194	2613.907795008013	2613.907795008013	110.8273449574887	69.196187173475915
674	269	198994	73238.8586730335	969227.3170250766	36.5366385131002	-100.5399185	367665.8067083464	47377462.88314516	2618.483904945133	2681.454126136206	2612.340816285933	2612.340816285933	110.8273449574887	69.196187173475915
675	269	198995	73898.8586730335	969227.3170250766	36.53663347697507	-100.5375798	367866.78477473794	47377458.87243992	2617.19397602317	2679.6773362417	2610.7684891654767	2610.7684891654767	110.8273449574887	69.196187173475915
676	269	198996	74558.8586730335	969227.3170250766	36.5366283560439	-100.5352411	368067.768005048	47377454.891000119	2616.05130181598	2678.444537	2609.2140664707518	2609.2140664707518	110.8273449574887	69.196187173475915
677	269	198997	75218.8586730335	969227.3170250766	36.5366235691658	-100.532887	368268.768429715	47377450.89545287	2614.9139745458	2677.31854045458	2608.2140664707518	2608.2140664707518	110.8273449574887	69.196187173475915
678	269													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Ln.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
21	270	190801	-357741.1413	969937.3170250766	39.53209278	-102.0670772	236392.90629026637	4380319.475	3862.8342997420873	363.4313963077907	3542.425674411702	3542.210408	88.0057218960874	88.22098689721049
22	270	190802	-357081.1413	969937.3170250766	39.53211724319351	-102.0647388	236940.01339965052	4380315.7370099	3862.6415792952165	3629.16225293635	3544.8972618097296	3544.823118913868	84.2896714153341	84.29611031517693
23	270	190803	-356421.1413	969937.3170250766	39.532146322115674	-102.0624801	236975.12204861543	4380311.200570128	3860.2380714278443	3627.8189371811893	3548.0371155020262	3548.03895126564	79.7628176817841	79.826966830839
24	270	190804	-355761.1413	969937.3170250766	39.532166037497106	-102.060062	236996.22863814457	4380307.063800382	3855.623123236905	3625.110847245008	3549.608262047524	3549.699056570204	76.9202544775391	76.811143069487913
25	270	190805	-355101.1413	969937.3170250766	39.532190336685564	-102.0577236	237197.1331633578	4380302.927244218	3851.0092070498654	3625.1976120361555	3549.7533193869067	3549.7361763412764	75.44422963805887	75.46143369487913
26	270	190806	-354441.1413	969937.3170250766	39.5322136112531	-102.0553853	237398.4393202087	4380298.79006276	3846.394801862626	3623.8797977858754	3549.558067921112	3549.47384395798916	73.32117099347806	74.406133369487913
27	270	190807	-353781.1413	969937.3170250766	39.5322388018602	-102.0530469	237599.54503690323	4380294.654786996	3841.85654472177	3622.5992690807250	3549.2247173773556	3549.14669807354	73.33520932696509	73.431325981
28	270	190808	-353121.1413	969937.3170250766	39.5322630407778	-102.0507078	237800.65058347778	4380290.518886376	3837.39416487179	3621.2375134012836	3548.798743796677	3548.8211646781878	72.8327920126193	72.84163482309562
29	270	190809	-352461.1413	969937.3170250766	39.53228772	-102.0485701	238001.7566760474	4380286.383004046	3833.9187157528361	3619.8197378597874	3548.60550229852	3548.538951008686	71.50586726292158	71.57876794898519
30	270	190900	-351801.1413	969937.3170250766	39.53231133635414	-102.0460317	238202.960881085	4380292.24741078	3825.46565658403	3618.585381372562	3547.77602584717	3547.541417233213	70.8094632793453	71.0439474
31	270	190901	-351141.1413	969937.3170250766	39.53233338745062	-102.0436933	238403.9657662069	4380278.12494333	3823.713664	3617.2816665179297	3547.154600406083	3547.632454729275	70.1035624522683	69.6252028738215
32	270	190902	-350481.1413	969937.3170250766	39.5323594796596	-102.0413549	238605.07027521008	4380273.97468273	3818.664109578123	3615.934371298813	3546.0431607765555	3547.679007789274	69.0125102222471	68.55236350593917
33	270	190903	-349821.1413	969937.3170250766	39.53238337601208	-102.0390165	238806.1745252943	4380264.2660334	3813.615628035644	3614.57423373227	3545.57423373227	3547.4787261990105	69.0420150030036	67.1369026
34	270	190904	-349161.1413	969937.3170250766	39.5324072888895	-102.0366781	239007.278616664	4380265.708	3808.565011516966	3613.3017908340958	3544.3639047907488	3544.829646677977	68.9383596	68.4721061662989
35	270	190905	-348501.1413	969937.3170250766	39.53243116	-102.0343397	239208.282495644	4380261.573701797	3804.634769525087	3611.992706993348	3542.62189	3544.829646677977	68.9383596	68.4721061662989
36	270	190906	-347841.1413	969937.3170250766	39.53245501913473	-102.0320313	239409.4875474049	4380257.43950158	3801.232564967	3610.889132309575	3540.540687426754	3538.804249	71.88394407880742	71.88394407880742
37	270	190907	-347181.1413	969937.3170250766	39.53247879503355	-102.0296629	239610.588405452	4380253.3066711695	3798.072400047476	3609.3880947549884	3538.3511510870466	3538.604814884341	71.03636394	72.783612864727
38	270	190908	-346521.1413	969937.3170250766	39.53250253870291	-102.0273244	239811.6918912334	4380249.1719027385	3790.0822228445616	3608.9022228445616	3536.10041995835	3536.10041995835	71.0140547129671	71.0140547129671
39	270	190909	-345861.1413	969937.3170250766	39.5325262357381	-102.024986	240012.7946000152	4380245.034806982	3789.625465753485	3606.80038619461	3533.8029533857016	3531.471107654674	72.9974328092594	75.3832754294935
40	270	190910	-345201.1413	969937.3170250766	39.5325498759318	-102.0226476	240213.89874342923	4380240.905129618	3785.840546682337	3605.5123841116038	3531.4329473142836	3529.0575886157635	74.9473068676776	76.4547954894024
41	270	190911	-344541.1413	969937.3170250766	39.53257342842833	-102.0203092	240414.99922957037	4380236.772039708	3786.2944079079174	3604.2284856056039	3529.03054230221	3526.840676503204	75.19308329061823	77.38750914736523
42	270	190912	-343881.1413	969937.3170250766	39.53259750558011	-102.0179708	240616.1011584855	4380232.632930764	3787.479534723925	3602.964731635697	3526.5607345205897	3524.89664141333	76.9888784247592	78.0529715222348
43	270	190913	-343221.1413	969937.3170250766	39.5326216215674	-102.0156822	240824.501282509612	4380228.69069118	3782.615737481882	3601.83757481882	3524.89664141333	3524.89664141333	77.0363691702378	77.0363691702378
44	270	190914	-342561.1413	969937.3170250766	39.5326404333837	-102.013294	241018.3042463127	4380224.374	3789.448167405664	3600.401122429083	3521.8209370307845	3520.993341176719	78.593533319656	79.14218725
45	270	190915	-341901.1413	969937.3170250766	39.532667469350388	-102.0109555	241219.405405549	4380220.24022611	3788.3548667951	3599.140973925506	3520.64732467282	3520.64732467282	78.485333319656	78.485333319656
46	270	190916	-341241.1413	969937.3170250766	39.532690850192594	-102.0086171	241420.5063804262	4380216.10506532	3787.261608531257	3597.87805675756	3519.83381470301	3519.895074705305	78.0459951272464	77.9842716
47	270	190917	-340581.1413	969937.3170250766	39.53271141858646	-102.0062787	241621.606552648	4380211.97838011	3786.62288685759	3596.62288685759	3518.996830758923	3518.996830758923	77.26226166123	77.26226166123
48	270	190918	-339921.1413	969937.3170250766	39.5327347636747	-102.0039403	241822.7076428182	4380207.874679248	3786.759720679174	3595.3680219979174	3515.910019563297	3515.910019563297	77.4450323703787	77.4450323703787
49	270	190919	-339261.1413	969937.3170250766	39.53276071689965	-102.001618	242028.80784816723	4380203.715468824	3786.816640345878	3594.616640345878	3515.910019563297	3515.910019563297	77.4450323703787	77.4450323703787
50	270	190920	-338601.1413	969937.3170250766	39.53278471862524	-101.9997354	242224.9071547129	4380200.58479095	3786.79542658945	3594.79542658945	3511.920642731187	3511.920642731187	77.4450323703787	77.4450323703787
51	270	190921	-337941.1413	969937.3170250766	39.53280707685504	-101.996925	242426.0069841018	4380195.43520483	3785.485150025797	3591.619651776542	3510.156812170738	3510.156812170738	77.4450323703787	77.4450323703787
52	270	190922	-337281.1413	969937.3170250766	39.53283019	-101.9945866	242627.10635616936	4380191.3224851	3785.167075119056	3590.972860756418	3508.502765165537	3513.487381102643	76.885321102643	76.885321102643
53	270	190923	-336621.1413	969937.3170250766	39.5328532132981	-101.9922481	242828.20547112948	4380187.19241208	3785.071526344133	3589.1260593160437	3506.8787237465012	3513.501672705626	76.885321102643	76.885321102643
54	270	190924	-335961.1413	969937.3170250766	39.5328767208122	-101.9899097	243029.3034319738	4380183.0921941285	3783.5763012970235	3587.876456214494	3505.054023016773	3512.785732502972	76.885321102643	76.885321102643
55	270	190925	-335301.1413	969937.3170250766	39.5328994512397	-101.9875713	243230.402904785	4380178.39219421	3781.7876233954621	3586.621510506094	3503.15449526855	3511.60748966471	76.885321102643	76.885321102643
56	270	190926	-334641.1413	969937.3170250766	39.53292214243569	-101.9852238	243431.501282509612	4380174.80241337	3781.28713444559	3585.10102327012	3501.141272924818	3501.141272924818	76.885321102643	76.885321102643
57	270	190927	-333981.1413	969937.3170250766	39.5329450823137	-101.9828844	243632.5983710794	4380170.782609925	3780.77857508134	3584.091122187851	3499.13504082327	3511.54711010025	76.885321102643	76.885321102643
58	270	190928	-333321.1413	969937.3170250766	39.5329679	-101.980556	243833.6923116615	4380166.544	3780.23638165708	3582.81359230323	3496.963614189308	3511.718582592816	76.885321102643	76.885321102643
59	270	190929	-332661.1413	969937.3170250766	39.53299060668925	-101.9782175	244034.7942166294	4380162.41381152	3775.47265338167	3580.521661707696	3494.703168863383	3512.134660750811	76.885321102643	76.885321102643
60	270	190930	-332001.1413	969937.3170250766	39.53301343912921	-101.9758791	244235.8915880554	4380158.25847388	3774.95343239349	3580.227915092316	3492.38095799321	3514.051161329909	76.885321102643	76.885321102643
61	270	190931	-331341.1413	969937.3170250766	39.533036142419036	-101.9735406	244436.89892479466	4380154.185479499	3773.218623079446	3578.9176250917586	3489.969886345486	3514.051161329909	76.885321102643	76.885321102643
62	270	190932	-330681.1413	969937.3170250766	39.533058905521297	-101.9712022	244638.006738421	4380150.28314632	3771.0971625308308	3577.594472425585	3487.96071024466	3506.661147473104	76.885321102643	76.885321102643
63	270	190933	-330021.1413	969937.3170250766	39.5330816426551	-101.9689238	244839.1051282509612	4380146.80241337	3770.1876233954621	3576.785715512848	3486.969886345486	3505.054023016773	76.885321102643	76.885321102643
64	270	190934	-329361.1413	969937.3170250766	39.53310391265256	-101.9665225	245039.27807792874	4380142.0229051	3768.186426052347	3574.907302270277	3484.969886345486	3503.15449526855	76.885321102643	76.885321102643
65	270	190935	-328701.1413	969937.3170250766	39.533126503877									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt.	BRfEELogKsRt	BRfEEBothKsRt	SatThKsRt	SatThBothRt
147	270120	-274581.1413	969937.3170250766	39.534819638058366	-101.7724294	261730.414208298	4379799.905894662	3654.2056815956224	3655.264771272634	3339.242713591078	3341.6338137616521	126.0220576815569	123.6390566811297	
148	270120	-273921.1413	969937.3170250766	39.534838411360006	-101.770008	261931.4900942643	4379796.7961816285	3652.979779491788	3643.9625074704365	3337.693842727367	3340.631481875986	126.2996647430637	123.36102224547174	
149	270120	-273261.1413	969937.3170250766	39.53486173946786	-101.767325	262132.5667	4379791.6886982747	3651.7342741416158	3652.98689734343	3338.072021414563	3339.54169270095	126.6263814819125	123.15721398436291	
150	270120	-272601.1413	969937.3170250766	39.53487582244133	-101.7654137	262333.64108176355	437965.0464058572	3650.528754034311	3461.383102399676	3334.340801508506362	3337.08913716139	123.0349681371639	123.17495244003421	
151	270120	-271941.1413	969937.3170250766	39.53489440622095	-101.7630751	262534.71622551934	4379793.484396263	3648.155391	3450.04251717776	3332.488478007507	3336.466586181876	127.55678901702521	123.5558653595838	
152	270120	-271281.1413	969937.3170250766	39.53491305	-101.7607366	262735.79113566277	4379793.95607364	3647.63451514926	3458.68660652041	3330.623738097501	3331.002041840726	127.608690577404	127.6168456448864	
153	270120	-270621.1413	969937.3170250766	39.534931600257906	-101.758398	262938.8658	4379795.25083228	3646.11407963815	3457.309391069195	3328.9409113848276	3330.18304817072407	128.3684971748693	127.1263428967783	
154	270120	-269961.1413	969937.3170250766	39.534950102151575	-101.7560694	263137.84025277137	4379797.124	3644.51406401937	3456.61569969283	3327.23938374109	3328.332317850304	128.676661322719	127.0338184597897	
155	270120	-269301.1413	969937.3170250766	39.53496955969627	-101.7537208	263339.01144655457	4379797.64208826	3643.9728735777903	3454.5132121484308	3326.073668683307	3328.694776025928	128.938542680962	127.0384512250427	
156	270120	-268641.1413	969937.3170250766	39.53498971507711	-101.751382	263540.0489437379	4379792.436237141	3642.52428198038	3453.105857202176	3323.97747326955	3325.85475660587	129.16230353521	127.0511901146294	
157	270120	-267981.1413	969937.3170250766	39.5350033824171	-101.7490437	263741.16217555194	4379798.815654192	3638.531982794557	3451.700333	3322.15630480984	3324.64205530617	129.54402564961	127.0575794386276	
158	270120	-267321.1413	969937.3170250766	39.5350236980202	-101.7467052	263942.235682039	4379754.711028775	3637.81153740248	3450.3203688531493	3320.655010829437	3323.46659594918	129.753580237116	126.8357290373114	
159	270120	-266661.1413	969937.3170250766	39.535041936187894	-101.7443666	264143.308957898	4379763.607311075	3635.555466372654	3448.9110082879	3319.17368924755	3322.3617349214	129.7422731581214	126.682972383651	
160	270120	-266001.1413	969937.3170250766	39.53506017640966	-101.742028	264344.382099784	4379746.49	3632.759240498951	3447.58450041222	3317.703957519302	3321.947452519194	129.854942519194	126.5105081	
161	270120	-265341.1413	969937.3170250766	39.5350783344587	-101.739684	264545.45490916935	4379742.389726774	3629.954204839857	3446.250562162487	3316.2252189410994	3318.6479910714273	129.99740727514927	126.3725671150014	
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192	270120	-244881.1												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR/ElevKgr.ft	BR/ElevBotKgr.ft	SatHtKgr.ft	SatHtBotHt.ft	
273	270	199333	-191421.1413	969937.3170250766	39.536829318203004	-101.4776724	287064.1876998708	4379283.7947603045	34264.11225335987	32484.719957603137	3160.96633690594873	3160.291740691985	123.75362103035264	124.50081673102088
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312	270	199372	-165681.1413	969937.3170250766	39.53730600512812	-101.3865529	294904.9011957874	4379124.74453237	3395.351402172935	3217.511897132456	3121.992149559685	3123.490241280547	95.79500515356079	94.2609542919085
313	270	199373	-165021.1413	969937.3170250766	39.53731732430108	-101.3842142	295105.9401571359	4379120.876383795	3392.507974897395	3216.438994661903	3122.3319991284579	3122.3319991284579	94.23441511319334	92.7169953323453
314	270	199374	-164361.1413	969937.3170250766	39.53732856250766	-101.381875	295306.38067602265	4379116.596971962	3396.620749403918	3215.1545312172672	3122.6866739780185	3121.8599432199287	92.4676732798048	91.2943879968308
315	270	199375	-163701.1413	969937.3170250766	39.53733975107676	-101.379531	295510.7844849814	4379112.464868	3394.731941846868	3214.029479428415	3122.33941846868	3122.33941846868	91.681210381812	90.7516528042589
316	270	199376	-163041.1413	969937.3170250766	39.5373510724741	-101.3771981	295709.0594100616	4379108.450297271	3396.16195553827	3212.657571742786	3124.025461771254	3124.025461		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsK1	BR/ElevBothK1	SurfLogsK1	SurfBothK1
39	270	199459	-102621.1413	969937.3170250766	35.53812175429344	-101.83082	312394.63853765314	4378771.126325908	330.337776918917	311.902280538317	2992.519203631473	2999.311526331192	112.5807675235887	112.5807675235887
400	270	199460	-107601.1413	969937.3170250766	35.538129145590385	-101.87432	312595.661781737	437877.071256033	320.7689001795225	310.471233334748	2994.8643048400463	3004.6452901287882	115.6092325431415	105.8279315566955
401	270	199461	-103841.1413	969937.3170250766	35.538136849351174	-101.78404	312726.65868267076	437876.631048193	321.625992436638	310.091287621686	3006.138974768643	3011.7489748295304	111.35838398403519	103.3638398403519
402	270	199462	-102621.1413	969937.3170250766	35.53814378754161	-101.76052	312790.7073905952	437875.96176436	328.631417354785	310.573161362355	3007.304536470381	3012.47019802705	107.1900748912733	95.83339155065268
403	270	199463	-105621.1413	969937.3170250766	35.538151005551746	-101.737269	313198.7296763056	437875.943034888	324.896915631674	310.6140492432818	3002.781470707379	3013.187494243654	103.3220236232633	92.91473400916389
404	270	199464	-104061.1413	969937.3170250766	35.53815824838155	-101.713881	313399.752973711893	437875.085313812	327.9943258978225	310.6217796961525	3004.832070484537	3014.0109045	99.7827646769878	90.612751873997123
405	270	199465	-104301.1413	969937.3170250766	35.53816511030995	-101.699044	313600.7745969021	437874.764542481	324.0927415631972	310.31258413826886	3006.52332826635	3014.153791289085	95.5434680864053	88.97204252378003
406	270	199466	-103641.1413	969937.3170250766	35.53817225280058	-101.667106	313801.7966379633	437874.7453741385	324.911154530115	310.1617794856527	3007.9451894753693	3014.11066811849	93.6726053811561	87.507152174
407	270	199467	-102981.1413	969937.3170250766	35.53817960077879	-101.643478	314002.8165944023	437874.631048193	327.9943258978225	310.6217796961525	3004.832070484537	3014.0109045	99.7827646769878	90.612751873997123
408	270	199468	-102231.1413	969937.3170250766	35.53818662789707	-101.620331	314203.804	437874.631048193	327.9943258978225	310.6217796961525	3004.832070484537	3014.0109045	99.7827646769878	90.612751873997123
409	270	199469	-101661.1413	969937.3170250766	35.5381938082498	-101.598943	314404.8616623655	437873.305346562	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
410	270	199470	-101001.1413	969937.3170250766	35.53820054657247	-101.573555	314605.82947429134	437873.25324559	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
411	270	199471	-100341.1413	969937.3170250766	35.5382054744	-101.550167	314806.9041512337	437873.074794308	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
412	270	199472	-99681.1413	969937.3170250766	35.53821248425613	-101.526779	315007.920550668	437871.847	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
413	270	199473	-99021.1413	969937.3170250766	35.5382108572248	-101.503292	315208.9456243253	437871.743987239	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
414	270	199474	-98361.1413	969937.3170250766	35.53822784175792	-101.480004	315409.964131063	437871.032294277	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
415	270	199475	-97701.1413	969937.3170250766	35.53823452603114	-101.456616	315610.9868216191	437870.70621	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
416	270	199476	-97041.1413	969937.3170250766	35.5382412187108	-101.433228	315812.007149968	437870.21948528	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
417	270	199477	-96381.1413	969937.3170250766	35.53824783875525	-101.409841	316013.0271985735	437869.168097741	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
418	270	199478	-95721.1413	969937.3170250766	35.53825441	-101.386453	316214.0470767014	437868.171	325.0166221655423	3008.0063193712895	3014.0109045	99.7827646769878	90.612751873997123	85.7010353638013
419	270	199479	-95061.1413	969937.3170250766	35.53826094181964	-101.363065	316415.067569381	437867.0590543275	323.24748994	3008.177882	2997.774265532317	2997.631039245783	84.00453412289339	84.14448566284182
420	270	199480	-94401.1413	969937.3170250766	35.538267429124524	-101.339677	316616.086267194	437866.015895933	323.24748994	3008.177882	2997.774265532317	2997.631039245783	84.00453412289339	84.14448566284182
421	270	199481	-93741.1413	969937.3170250766	35.53827343559865	-101.316287	316819.0359413039	437865.076230978	323.24748994	3008.177882	2997.774265532317	2997.631039245783	84.00453412289339	84.14448566284182
422	270	199482	-93081.1413	969937.3170250766	35.53828023634792	-101.292902	317018.124750781	437864.031429239	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
423	270	199483	-92421.1413	969937.3170250766	35.53828661268672	-101.269514	317219.13472453076	437863.084222566	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
424	270	199484	-91761.1413	969937.3170250766	35.53829291708896	-101.246126	317420.16218595947	437862.03431558	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
425	270	199485	-91101.1413	969937.3170250766	35.5382991761857	-101.222738	317621.18113695947	437861.067465619	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
426	270	199486	-90441.1413	969937.3170250766	35.5383053996757	-101.19935	317822.1995706507	437860.175196474	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
427	270	199487	-89781.1413	969937.3170250766	35.53831155896862	-101.176458	318023.276373518	437859.267859239	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
428	270	199488	-89121.1413	969937.3170250766	35.53831769216338	-101.153275	318224.3584304798	437858.316923928	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
429	270	199489	-88461.1413	969937.3170250766	35.53832376048068	-101.129187	318425.2538	437857.4681110835	322.8810758231336	3007.5745845	2994.367556255664	2993.9645328253774	82.8717660553755	83.29101903265375
430	270	199490	-87801.1413	969937.3170250766	35.53832936717066	-101.105799	318626.27155647124	437856.51953148	321.825042354789627	3007.6878880459	2996.4607165041492	2996.4607165041492	77.6852074378634	77.6852074378634
431	270	199491	-87141.1413	969937.3170250766	35.53833578157277	-101.082411	318827.2891086955	437855.744132212	321.402706456383	3006.40273986053	2996.4607165041492	2996.4607165041492	77.6852074378634	77.6852074378634
432	270	199492	-86481.1413	969937.3170250766	35.53834172437795	-101.059023	319028.3064839705	437854.742266171	321.0449919223406	3006.71314359509	2996.4607165041492	2996.4607165041492	77.6852074378634	77.6852074378634
433	270	199493	-85821.1413	969937.3170250766	35.53834761942004	-101.035635	319238.232682765	437853.790515712	3008.629192803184	3009.005254477527	2997.4183119407	2997.4183119407	77.6852074378634	77.6852074378634
434	270	199494	-85161.1413	969937.3170250766	35.5383534743559865	-101.012248	319430.340705194	437852.82712078	3008.629192803184	3009.005254477527	2997.4183119407	2997.4183119407	77.6852074378634	77.6852074378634
435	270	199495	-84501.1413	969937.3170250766	35.53835932158856	-100.98886	319631.357514683	437851.876231614985	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
436	270	199496	-83841.1413	969937.3170250766	35.53836503434067	-100.965472	319832.374221788	437850.934217456	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
437	270	199497	-83181.1413	969937.3170250766	35.53837076512045	-100.942084	320033.90071636216	437849.71636216	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
438	270	199498	-82521.1413	969937.3170250766	35.53837643202627	-100.918696	320234.4073039504	437848.781384689	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
439	270	199499	-81861.1413	969937.3170250766	35.53838206	-100.895308	320435.4217390923	437847.891393759	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
440	270	199500	-81201.1413	969937.3170250766	35.53838764004157	-100.87192	320636.491476508	437846.9545398157	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
441	270	199501	-80541.1413	969937.3170250766	35.5383934743559865	-100.848717	320837.5691239019	437846.015895933	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
442	270	199502	-79881.1413	969937.3170250766	35.53839936715731	-100.825145	321038.470623007	437845.076321614985	3008.096582203184	3005.575739	2993.1767206160403	2993.0526770527792	72.9985663862997	72.9985663862997
443	270	199503	-79221.1413	969937.3170250766	35.53840411294387	-100.801757	321239.48600464326	437852.907366427	321.3943215023966					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatHtLogs.f	SatHtBoth.f
525	270	199585	-2051.141133	969937.3170250766	53.58686991631326	-100.8883941	33722.17837613815	4782861.884723103	315.2845005854646	2919.7466043534203	2862.8946882750507	2863.5648944732616	58.1597207926967	56.18174580859876
526	270	199586	-2444.114133	969937.3170250766	53.586869612064124	-100.8886353	337923.18005249107	4782527.85674893	3018.8859311969013	2918.281906119719	2862.041155538147	2862.503057105438	56.24075057105438	55.77838767647816
527	270	199587	-1982.141133	969937.3170250766	53.5870326363363	-100.8837166	338124.1815724441	4782333.8296363	3018.84222746699	2916.63687311788	2863.478110468969	2863.5648944732616	57.3811658181872	56.56735168750532
528	270	199588	-2121.141133	969937.3170250766	53.58701868021725	-100.881376	338325.1829349438	4782581.901554657	315.42450951171	2915.240407379897	2867.079000909722	2867.578802112593	57.52837477166091	57.52837477166091
529	270	199589	-2261.141133	969937.3170250766	53.58703428228416	-100.8790388	338526.18414061575	478245.774261083	3011.906796231742	2913.993473615067	2854.3797677328253	2855.63042636311	56.61370588	58.36304725192622
530	270	199590	-2180.141133	969937.3170250766	53.58703428353734	-100.87867	338727.1815896647	478274.1747182033	3008.39083035327	2912.6014743100613	2851.989781767609	2853.297376	56.116925425215	59.3073840531296
531	270	199591	-2141.141133	969937.3170250766	53.5870641309782	-100.8743612	338928.1860286999	478232.7302193124	3007.266617260948	2911.228384077047	2848.9740954312374	2850.8686784011894	61.25425264	60.3509685
532	270	199592	-2048.141133	969937.3170250766	53.58707837760114	-100.8720224	339129.18681872205	478233.694	3008.5338995322	2909.8748093906524	2846.463839363081	2848.664204801831	61.47094277511556	61.216004946885
533	270	199593	-1982.141133	969937.3170250766	53.58709217244119	-100.8696368	339353.1739913667	478232.67236027	3018.84222746699	2916.63687311788	2863.478110468969	2863.5648944732616	57.3811658181872	56.56735168750532
534	270	199594	-1916.141133	969937.3170250766	53.5871055154085	-100.8673448	339551.1872371573	478225.641	3011.048462328003	2907.228211557327	2841.38352315061	2841.38352315061	67.4533824266034	63.102021461723
535	270	199595	-1850.141133	969937.3170250766	53.58711840659210	-100.865006	339732.18809278036	478221.65101782	3012.656707417813	2905.9383055035224	2838.510484766095	2841.739157195257	67.4742071742754	64.1944483026524
536	270	199596	-1784.141133	969937.3170250766	53.58713064595976	-100.8626672	339933.18820641644	478217.589221741	3014.6444159065427	2904.65515443347	2835.4900888732333	2839.1027064615503	69.055606836354	65.5524598181662
537	270	199597	-1718.141133	969937.3170250766	53.5871428335142	-100.8603284	340134.1816846871	478215.936644115	3016.5931729854567	2903.3877990258417	2832.084101292671	2836.512187886465	71.3039977315351	68.87561113937318
538	270	199598	-1652.141133	969937.3170250766	53.5871543692545	-100.8579896	340335.1876963406	478209.53285782	3018.541823829362	2902.125119901902	2828.31624984885	2834.818412226306	73.808489491341723	68.2457017683848
539	270	199599	-1586.141133	969937.3170250766	53.587165431798	-100.8556507	340536.18761703485	478205.513	3018.6664533953	2900.856160337364	2828.6963300358625	2831.0094215807035	76.102330148339	69.8467387666294
540	270	199600	-1520.141133	969937.3170250766	53.587176055291	-100.8533119	340737.1871111789	478201.48028569	3016.9674330811467	2899.5620413047022	2821.201619025092	2827.601304847872	78.36402138	71.960730458309
541	270	199601	-1454.141133	969937.3170250766	53.58718671	-100.8509731	340938.1864500596	478197.643492008	3016.9674330811467	2898.251753728148	2817.509112819822	2825.73328626133	80.70646091	72.8251680201611
542	270	199602	-1389.141133	969937.3170250766	53.587195940719	-100.8486343	341139.1856357685	478193.4389003	3015.569190025554	2896.79261699778	2814.325466820083	2824.75261741602	82.4664790786968	72.066198517677
543	270	199603	-1322.141133	969937.3170250766	53.5872053	-100.8462955	341340.1846682474	478189.14720842	3011.64892140424	2895.28825680121	2811.178577219416	2815.2389970601	84.7039907754036	70.15866704154036
544	270	199604	-1256.141133	969937.3170250766	53.587214095593	-100.8439567	341541.183641752	478185.39003235	3009.51047128023	2893.77590741524	2807.27688602355	2826.06605753244	86.451021386964	67.611319822033
545	270	199605	-1190.141133	969937.3170250766	53.5872224686395	-100.8416179	341724.18237084143	478181.36770271	3007.370950755856	2892.1387504931874	2802.97793063251	2807.97793063251	89.2309618178265	64.87846086903
546	270	199606	-1124.141133	969937.3170250766	53.587233089649	-100.8392791	341943.1809415376	478173.34126938	3005.23155223117	2890.541551568166	2890.541551568166	2827.6593030994114	92.380341088616	62.82344774754476
547	270	199607	-1058.141133	969937.3170250766	53.5872437859718	-100.836974	342174.1845152177	478169.18382592	3004.2456351018	2889.61926738352	2889.61926738352	2826.90721717187	94.7185230268914	72.5895892
548	270	199608	-992.141133	969937.3170250766	53.587244678729	-100.8340515	342345.177624763	478169.2964317	3001.09121062827	2887.3312291396	2886.57620610275	2825.943787743805	102.509332229955	58.1077245667105
549	270	199609	-926.141133	969937.3170250766	53.5872514455534	-100.8326227	342546.1757637664	478169.2964317	2998.04085754984	2885.765727085526	2776.4162544875308	2830.334727428545	105.8286472509488	54.482844279721065
550	270	199610	-860.141133	969937.3170250766	53.587257566233	-100.8299238	342747.1739065476	478165.250699761	2996.96965521179	2884.21923884066	2766.80760811807	2828.788569	117.33897217659978	55.4311633056409
551	270	199611	-794.141133	969937.3170250766	53.58726381277675	-100.827858	342948.17150452183	478167.258	2994.50345521779	2882.662215529678	2755.2350150583473	2827.1353220156943	127.427001259993	55.52689351398385
552	270	199612	-728.141133	969937.3170250766	53.58726842911586	-100.8252462	343149.18159400214	478163.20573739	2991.563482939885	2881.111764985321	2741.691531005475	2824.045765674656	139.4202339794622	60.0509380385568
553	270	199613	-662.141133	969937.3170250766	53.587273187646	-100.822874	343358.166628871	478159.1583592	2988.62353069188	2878.6569183846	2738.1445733928316	2822.6593030994114	148.1282232026914	72.5895892
554	270	199614	-596.141133	969937.3170250766	53.5872774434537	-100.8205686	343561.18146629	478159.1767006	2985.68357260497	2878.657402343734	2738.1445733928316	2822.6593030994114	159.7185230268914	72.5895892
555	270	199615	-530.141133	969937.3170250766	53.58728134524654	-100.8182298	343752.1612149665	478141.13994937	2983.01589548789	2876.4774364606756	2877.3367357765907	2822.6593030994114	171.140880381596	50.33687496
556	270	199616	-464.141133	969937.3170250766	53.5872847532794	-100.815891	343963.158260334	478137.11846495	2980.62022223667	2874.833681907144	2767.412903603953	2827.68867713494	107.5206910366118	47.24404238352067
557	270	199617	-398.141133	969937.3170250766	53.5872877305947	-100.8135522	344154.1551619989	478137.02921346	2978.25206897844	2873.39253384774	2776.495599591864	2827.909304880974	116.8969332420908	45.4822601
558	270	199618	-332.141133	969937.3170250766	53.58729202	-100.8112134	344355.1519090815	478130.0761129	2975.829657313224	2871.875445373962	2784.55419881093	2827.909304880974	127.427001259993	55.52689351398385
559	270	199619	-266.141133	969937.3170250766	53.5872925968494	-100.8088748	344565.1485053624	478125.05291231	2975.302155223117	2870.32001011537	2870.32001011537	2827.909304880974	139.4202339794622	60.0509380385568
560	270	199620	-200.141133	969937.3170250766	53.587293456938	-100.806537	344774.1448515277	478121.034511847	2974.2456351018	2869.61926738352	2784.55419881093	2827.909304880974	159.7185230268914	72.5895892
561	270	199621	-134.141133	969937.3170250766	53.58729469517	-100.8041968	344968.1412745916	478121.034511847	2973.28218719322	2867.3312291396	2886.57620610275	2825.943787743805	171.140880381596	50.33687496
562	270	199622	-68.141133	969937.3170250766	53.5872956271165	-100.8018581	345159.1373920525	478112.99401675	2973.339407267	2865.845048392075	2862.146251316825	2826.932575625236	183.525325238194	54.9291758
563	270	199623	-2.141133	969937.3170250766	53.5872965230914	-100.7995193	345360.133388063	478108.974020667	2970.4973812142955	2864.387139217823	2819.835779483813	2826.932575625236	194.55284288679	37.92078141
564	270	199624	638.85673033514	969937.3170250766	53.58729571165696	-100.7971805	345561.1293520391	478104.954239243	2970.5409727993282	2862.952460961364	2820.995496157791	2822.6593030994114	205.698493343585	40.401787733603
565	270	199625	1298.85673033514	969937.3170250766	53.58729571165696	-100.7948417	345762.1249318252	478103.934672281	2971.5254383967	2861.53801284027	2808.931739138327	2809.9389662472	216.5148930412793	51.74893054012793
566	270	199626	1958.85673033514	969937.3170250766	53.587293933444	-100.7925929	345983.120478595	478096.951319782	2970.52155223117	2860.1471788570	2800.59301592631	2802.60209551463	227.5054197679094	57.5449123
567	270	199627	2618.85673033514	969937.3170250766	53.5872917475143	-100.790367	346194.12745916	478092.86619077	2969.55209203618	2859.623732470075	2800.59301592631	2802.60209551463	238.740713402389818	58.740713402389818
568	270	199628	3278.85673033514	969937.3170250766	53.58729047377354	-100.7878253	346365.1112770776	478087.887258127	2967.272509153063	2857.4923961144876	2794.625503202187	2802.60209551463	250.6798357329796	53.4573102062891
569	270	199629	3938.85673033514	969937.3170250766	53.5872877726654	-100.7854865	346566.1062285524	478084.8						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRElevLogKg.f	BRElevBothKg.f	SatThLog.f	SatThBoth.f
51	170	19711	58058.85867307335	969937.3170250766	39.58354773308775	-00.5937044	363047.218607721	4377756.05327638	2835.0476691210465	1718.472771533418	2618.625304960799	2618.678391541616	99.8474125761885	99.5938737925624
52	170	19712	58718.85867307335	969937.3170250766	39.5835078020771	-00.5913656	363248.2020907473	4377752.05234618	2838.017148243024	1716.594391729807	2624.672944535313	2624.970150087928	91.6244772675596	91.6244772675596
53	170	19713	58378.85867307335	969937.3170250766	39.58352155542995	-00.5890468	363495.1854429386	4377748.051608646	2842.986155767978	1714.190258684634	2624.970337355433	2624.970337355433	87.7248727242654	87.7248727242654
54	170	19714	60038.85867307335	969937.3170250766	39.5835465046233	-00.586668	363650.1666637054	4377750.051092116	2846.958104	1712.91380276752	2627.2180273650026	2627.2180273650026	85.6957415777433	85.7585333853895
55	170	19715	60698.85867307335	969937.3170250766	39.58353817818004	-00.5843492	363851.1517540702	4377740.05091442	2848.280093971412	1711.313082382333	2626.9036410261874	2626.4124134040094	84.20944130213593	84.20944130213593
56	170	19716	61358.85867307335	969937.3170250766	39.58354339992594	-00.5820104	364052.1347134477	4377750.050704394	2846.953307719719	1709.339179527178	2626.408596138696	2626.124585742439	82.933033386966	83.2146211202785
57	170	19717	62018.85867307335	969937.3170250766	39.58353011698611	-00.5796716	364253.11754230934	4377732.050831003	2845.627166666838	1707.5923341993284	2626.042508	2625.83426106682	81.7580706404785	81.7580706404785
58	170	19718	62678.85867307335	969937.3170250766	39.58352548679854	-00.5773328	364454.1004065734	4377728.051171259	2844.3016022716914	1706.87562587468	2625.028602781105	2625.821212433586	80.3446430937624	80.5914401542287
59	170	19719	63338.85867307335	969937.3170250766	39.58352155542995	-00.574854	364655.0628092891	4377724.051725158	2848.005651557978	1704.190258684634	2624.970337355433	2624.970337355433	79.3384913001856	79.6406949198529
60	170	19720	63998.85867307335	969937.3170250766	39.58351717650276	-00.5725632	364856.0524736376	4377720.05292585	2838.73991464599	1702.51518526383	2624.22197692706	2623.802835352795	78.29321166	78.29321166
61	170	19721	64658.85867307335	969937.3170250766	39.5835127314567	-00.5703164	365057.0476	4377716.053	2835.474172738884	1700.67831988323	2625.611043048252	2625.94047328762	75.8285788400062	74.9383587012636
62	170	19722	65318.85867307335	969937.3170250766	39.58350832423784	-00.5679776	365258.0297360362	4377710.05466891	2832.208446070785	1699.263813700407	2625.2098878046506	2625.67587636208	74.0532859575629	73.7505506419929
63	170	19723	65978.85867307335	969937.3170250766	39.5835038014507	-00.5655638	365459.0117861064	4377708.05061854	2829.675904352463	1697.6188287503	2624.35188287503	2624.35188287503	72.973160551403	72.973160551403
64	170	19724	66638.85867307335	969937.3170250766	39.5834920087129	-00.5633	365659.9307997123	4377704.05789813	2826.1128313016113	1696.2590611080583	2623.315011010306	2623.315011010306	71.8211201598218	71.8211201598218
65	170	19725	67298.85867307335	969937.3170250766	39.5834976416151	-00.5609812	365860.97504921385	4377700.059334456	2825.6171297485617	1694.54109352395	2622.868719259327	2622.868719259327	70.7053897180054	70.7053897180054
66	170	19726	67958.85867307335	969937.3170250766	39.5834916780772	-00.5586224	366061.957162692	4377698.05183174	2823.63352098643	1692.05927110689	2622.1112204391097	2622.408656818335	70.9484087175914	70.9484087175914
67	170	19727	68618.85867307335	969937.3170250766	39.5834854196387	-00.5562638	366262.9386976481	4377692.053846264	2823.087604066496	1691.56906527624	2621.42855754137	2621.639787432759	70.1430874859685	69.9301190948645
68	170	19728	69278.85867307335	969937.3170250766	39.58348061966206	-00.5539448	366463.9204103775	4377688.06322507	2823.82240744136	1690.3157380397	2620.314650165782	2620.7861777635	69.7878557522679	69.3747490538659
69	170	19729	69938.85867307335	969937.3170250766	39.5834759167847	-00.551606	366664.9013803538	4377684.06901201	2822.65816717792	1688.657498595778	2619.453912447645	2619.517231397783	69.20258614322	69.08052606
70	170	19730	70598.85867307335	969937.3170250766	39.583471106427785	-00.5492672	366865.825338852	4377680.07915636	2821.625191426334	1687.227275406394	2618.4719022463845	2618.4719022463845	68.8093731600973	68.8093731600973
71	170	19731	71258.85867307335	969937.3170250766	39.5834665088715	-00.5469285	367066.8635075715	4377678.05302953	2821.337717785435	1685.802903621453	2617.908505522766	2617.908505522766	68.493294096868	68.555916
72	170	19732	71918.85867307335	969937.3170250766	39.58346130016558	-00.5445897	367267.8454425257	4377672.05362891	2821.381991759234	1684.36777925765	2616.1514584	2616.12166567107	68.2130943669478	68.1855113605796
73	170	19733	72578.85867307335	969937.3170250766	39.58345623212614	-00.5421916	367468.1638276131	4377668.05194096	2821.431602166214	1683.58257185427	2615.46514584584	2615.46514584584	68.052981287142	68.1847538212215
74	170	19734	73238.85867307335	969937.3170250766	39.58345141177114	-00.5399121	367669.805926714	4377664.05562212	2815.465236015423	1682.41252348724	2613.901605575485	2613.11759404918	68.3296475232381	68.30329749472436
75	170	19735	73898.85867307335	969937.3170250766	39.58344637691245	-00.5375733	367870.784474434	4377660.05896311	2811.3636790569822	1681.28983583838	2611.4828970885274	2611.5848089885938	68.469664874074	68.3450367043016
76	170	19736	74558.85867307335	969937.3170250766	39.58344129546764	-00.5352345	368071.766655113	4377656.039817503	2806.026812467613	1678.44393765168	2609.924646283755	2609.924646283755	68.4514973024972	68.4514973024972
77	170	19737	75218.85867307335	969937.3170250766	39.58343618841294	-00.5328957	368272.74172117196	4377652.086125369	2801.71726969571	1676.76938589111	2608.42117946537	2608.42117946537	68.152499179029	68.152499179029
78	170	19738	75878.85867307335	969937.3170250766	39.5834099703422	-00.5305569	368433099703422	4377648.102826702	2796.407140715103	1675.5091957730427	2606.94986469918	2606.9413794027722	68.559203901663	68.5678167302634
79	170	19739	76538.85867307335	969937.3170250766	39.5834040046575	-00.5282811	3686478.707272996	4377644.078514846	2794.160884034156	1674.6638791480406	2606.94986469918	2606.94986469918	68.1986942667804	68.1986942667804
80	170	19740	77198.85867307335	969937.3170250766	39.5834005177749	-00.5259793	368875.915289341	4377641.11289739	2793.70176510573	1673.79103732983	2605.924973861968	2605.924973861968	67.412263057797	67.4095275
81	170	19741	77858.85867307335	969937.3170250766	39.5834151052784	-00.5233405	369076.6699138432	4377636.117944323	2794.791706813293	1671.223027586624	2603.941918261495	2604.442276810883	66.9038451251328	66.7801068638308
82	170	19742	78518.85867307335	969937.3170250766	39.58340986	-00.5212018	369277.6465465469	4377632.12346537	2795.672024061918	1669.826096157438	2603.614027016951	2603.686819767430	66.210692394739	66.1391774800934
83	170	19743	79178.85867307335	969937.3170250766	39.5834046028597	-00.518863	369484.626054072	4377628.12980576	2796.39539	1668.4361341308	2602.865311	2602.003447540073	65.75382574435769	65.436882769066
84	170	19744	79838.85867307335	969937.3170250766	39.583399017393814	-00.5165242	369679.054636333	4377624.139471031	2797.120817462289	1667.06136203036	2602.330276277963	2602.330276277963	64.7313973131725	64.69912893173174
85	170	19745	80498.85867307335	969937.3170250766	39.58339352920083	-00.5141816	369880.5846944755	4377620.11082387	2797.8504458465275	1665.89379261053	2601.7481810248917	2601.7481810248917	63.9513072131038	63.94449086678165
86	170	19746	81158.85867307335	969937.3170250766	39.5833879690676	-00.5119469	369848.1638276131	4377616.14701142	2798.55927185427	1664.36777925765	2601.1516205437	2601.1516205437	63.754338212215	63.754338212215
87	170	19747	81818.85867307335	969937.3170250766	39.5833824176347	-00.5095078	370282.548362543	4377612.13943258	2798.6288487639196	1660.588738907097	2600.587327212016	2600.587327212016	62.8211155190354	62.8211155190354
88	170	19748	82478.85867307335	969937.3170250766	39.5833767401709	-00.507169	370483.512712811	4377608.160678799	2798.874837	1660.649436417356	2599.839765738816	2599.839765738816	61.9092730291971	61.9096516
89	170	19749	83138.85867307335	969937.3170250766	39.5833711252097	-00.5048302	370684.5004820743	4377604.16736786	2799.071547458226	1660.3172825153993	2598.814862009565	2598.814862009565	61.5202453227225	61.5202453227225
90	170	19750	83798.85867307335	969937.3170250766	39.5833651124407	-00.5024914	370885.491191298	4377600.174899933	2797.77642480936	1658.9272232740035	2597.292327212016	2597.292327212016	61.7005070680073	61.7005070680073
91	170	19751	84458.85867307335	969937.3170250766	39.58335965206645	-00.5001527	371086.457326559	4377596.182195532	2796.772257050265	1657.67224394102	2594.896219721693	2594.896219721693	61.39744958985	61.39744958985
92	170	19752	85118.85867307335	969937.3170250766	39.58335447748056	-00.4978139	371287.436	4377592.18974469	2796.750362930453	1656.703032489076	2593.327135118458	2593.327135118458	61.0329869775284	61.0329869775284
93	170	19753	85778.85867307335	969937.3170250766	39.58334912699341	-00.4954811	371488.1638276131	4377588.05194096	2796.70176510573	1655.879147314113	2592.36973847315	2592.36973847315	60.76934247315	60.76934247315
94	170	19754	86438.85867307335	969937.3170250766	39.583343353771	-00.4931393	371689.3340470974	4377584.05632335	2796.737614621747	1655.77601638316	2591.32511954325	2591.32511954325		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKrg.f	BRLEvBothKrg.f	WtSatHtLogs.f	SurfBothKrg.f
37	271	198937	-34781.1413	705957.3170250766	39.53429154449444	-102.0296939	239614.7332257777	4380454.629327577	3787.624624715861	3608.019171678554	3537.7591048209647	3534.107285450995	70.28281234689075	73.9346171686062
38	271	198938	-346521.1413	705957.3170250766	39.53451528730387	-102.027355	239815.95459318482	4380450.45613942	3793.575427682735	3606.753741948006	3535.42477990615	3532.5057126143383	71.22869203336702	74.248023336702
39	271	198939	-345891.1413	705957.3170250766	39.53453389484285	-102.0256166	240016.6382451397	4380421.583723031	3791.3791373	3605.470358986241	3533.05465717292916	3530.4650717292916	72.41583039336761	75.005039336761
40	271	198940	-345201.1413	705957.3170250766	39.5346363741075	-102.0226781	240182.04063917158	4380424.22805194	3791.7428148366684	3604.190657540155	3530.626927768673	3528.39714643825	73.56372877	75.7935117163738
41	271	198941	-344541.1413	705957.3170250766	39.53438624470811	-102.0203396	240419.14259956495	4380348.904775266	3791.1062861396045	3601.5579719916175	3528.121896769459	3526.246619	74.7938817445825	76.6691611161754
42	271	198942	-343881.1413	705957.3170250766	39.53440890834674	-102.0180012	240620.24425909812	4380334.96184092	3790.96975378014	3601.643481860183	3525.551467124556	3524.14182368325	77.0516491763574	77.70516491763574
43	271	198943	-343221.1413	705957.3170250766	39.5344333279043	-102.0156627	240821.34573767745	4380349.2888811668	3791.11564262344	3600.3821884374204	3522.929300310134	3521.84854	77.4526881078098	78.5336286
44	271	198944	-342561.1413	705957.3170250766	39.53443567957295	-102.0133242	241022.4469261036	4380345.696179831	3792.011687582536	3599.12295466481	3520.46822092039	3519.690132147151	78.6583212770006	79.4382212770006
45	271	198945	-341901.1413	705957.3170250766	39.53446022189245	-102.0108857	241223.54768251023	4380421.583723031	3792.751629946675	3599.46836886241	3518.330421423838	3517.9837628196722	79.87537628196722	80.7537628196722
46	271	198946	-341241.1413	705957.3170250766	39.53453036322245	-102.0086743	241424.645623584	438017.432	3793.491522525204	3596.61112769137	3516.39753786904	3516.1589383542	80.20257489305336	80.45257489305336
47	271	198947	-340581.1413	705957.3170250766	39.53452693904204	-102.0063088	241625.74894358643	4380313.295930014	3792.236783281974	3595.37171825112	3514.5175045036324	3513.8652374478938	80.658367203383	80.658367203383
48	271	198948	-339921.1413	705957.3170250766	39.534550231005134	-102.0039703	241826.84910490906	4380409.167370512	3788.963860731016	3594.1287351609576	3512.307062	3513.591694053689	81.0254733621765	80.5370417026585
49	271	198949	-339261.1413	705957.3170250766	39.534573476934966	-102.0016318	242027.9490107788	4380305.03170428	3785.735832862295	3592.888618589249	3510.838157711877	3510.838157711877	82.80166882939	79.852686802839
50	271	198950	-338601.1413	705957.3170250766	39.534596677693656	-101.9992923	242220.04866115344	4380340.94029042	3782.485357655373	3591.65033806285	3509.67538030617	3512.6453683370437	81.9751976701165	79.0160974935847
51	271	198951	-337941.1413	705957.3170250766	39.5346198328117	-101.9968458	242420.148555291	4380396.73706349	3782.268488190948	3590.41435494474	3508.535118461675	3512.6487768423478	81.8792365247208	77.9258668931599
52	271	198952	-337281.1413	705957.3170250766	39.53464294369741	-101.9946164	242631.24719650284	4380392.462802338	3778.42150232441	3589.178537673855	3507.307064	3512.14371023085	81.8710737480057	77.0356909
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54	271	198954	-335961.1413	705957.3170250766	39.53468692001609	-101.9899394	243033.44471268007	4380384.381650346	3770.530345211343	3586.704769194737	3504.392670313338	3512.3208717386544	83.119888184562	74.38391365413928
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56	271	198956	-334641.1413	705957.3170250766	39.53473433439304	-101.9852624	243435.6411213378	4380376.121	3767.089449715681	3584.21149715681	3500.7765048377373	3511.49995356664	83.8333179065302	72.7415018001476
57	271	198957	-333981.1413	705957.3170250766	39.53475781820873	-101.9829238	243636.7390760797	4380371.991523812	3767.99874089097	3582.86260636067	3498.7503293284176	3510.850249195184	84.20233098	72.0986347851245
58	271	198958	-333321.1413	705957.3170250766	39.53478065796884	-101.9805854	243837.83696411778	4380367.361970271	3771.51031250519	3581.864742305277	3496.618728418694	3511.18740180064	84.0653004186535	70.49728145
59	271	198959	-332661.1413	705957.3170250766	39.53480721815104	-101.9784901	244038.9456511914	4380363.96947341	3768.226748697341	3579.824762980234	3495.183729582767	3510.838157711877	84.0653004186535	70.49728145
60	271	198960	-332001.1413	705957.3170250766	39.5348262	-101.9759504	244240.03116257384	4380359.634024074	3770.7596047036	3579.115924349594	3492.081620907015	3513.102133605793	84.03033679808	69.5957910220005
61	271	198961	-331341.1413	705957.3170250766	39.53484874031111	-101.9735699	244441.1280171338	4380345.74505914	3780.76965	3577.812593746933	3489.5540161011472	3511.8319102429714	84.2585737384065	68.9068343
62	271	198962	-330681.1413	705957.3170250766	39.534871563432645	-101.9712314	244642.2461865743	4380351.345780368	3784.33130433030	3576.4952374335207	3486.957259131024	3506.372194	80.5737115204817	70.1230432218097
63	271	198963	-330021.1413	705957.3170250766	39.534894817966245	-101.9688929	244843.320667474	4380347.271289428	3785.1304508526815	3575.1626761035823	3484.291582	3507.4279896179223	80.7514905342419	73.73498468565995
64	271	198964	-329361.1413	705957.3170250766	39.534916745320494	-101.9665544	245044.041706371138	4380343.089090978	3786.18073943278	3574.3164892126265	3481.2507895071935	3498.5677862329873	80.5639970543236	72.54962072969274
65	271	198965	-328701.1413	705957.3170250766	39.53493925890973	-101.9642159	245245.17676752247	4380345.192675142	3782.815821828292	3572.8151851127191	3482.738470623634	3496.3389487185854	80.5639970543236	72.54962072969274
66	271	198966	-328041.1413	705957.3170250766	39.53496192571114	-101.9619774	245446.06839249496	4380343.831011842	3785.17226745435	3573.02728210106	3484.11827097296	3495.85262305905	80.5639970543236	72.54962072969274
67	271	198967	-327381.1413	705957.3170250766	39.534984179363654	-101.9595389	245647.70384309403	4380330.705470991	3784.707711468787	3569.678876941570	3470.397371937953	3479.1245907014484	80.27865007117258	90.554147979
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69	271	198969	-326061.1413	705957.3170250766	39.53502890953284	-101.9548618	246049.89347635638	4380322.450886151	3778.356945462535	3566.84968254974	3461.189542286307	3466.50779493796	80.6601046869017	100.3418671770157
70	271	198970	-325401.1413	705957.3170250766	39.5350512068594	-101.9525233	246250.98834979397	4380318.332912767	3775.13548456391	3565.5158957621166	3455.94038154026	3459.360705814967	80.47555760809064	100.0581994712975
71	271	198971	-324741.1413	705957.3170250766	39.53507349597139	-101.9501488	246462.082841458	4380319.197168833	3773.972502824626	3563.970764152544	3454.042384530536	3452.648447718971	81.52548077949653	111.32231645337318
72	271	198972	-324081.1413	705957.3170250766	39.5350962590973	-101.9478673	246673.17676752247	4380318.192675142	3775.1741486415123	3562.519851127191	3454.738470623634	3456.3389487185854	81.52548077949653	111.32231645337318
73	271	198973	-323421.1413	705957.3170250766	39.53511782780968	-101.9455078	246884.25068	4380305.94321889	3775.1741486415123	3561.050833337387	3451.046625533	3454.738470623634	81.52548077949653	111.32231645337318
74	271	198974	-322761.1413	705957.3170250766	39.53513994445574	-101.9431692	247055.36428272622	4380318.18252113	3775.739952404033	3559.574152666615	3442.876265032014	3442.227247497182	81.66951023466001	117.3481705176889
75	271	198975	-322101.1413	705957.3170250766	39.53516201592161	-101.9408307	247256.5164180636	4380297.69234915	3776.01182182947	3558.095227704795	3442.876265032014	3442.876265032014	81.66951023466001	117.3481705176889
76	271	198976	-321441.1413	705957.3170250766	39.5351840221516	-101.9384922	247457.550696631	4380293.56691228	3775.94290714216	3556.614872112653	3444.2527020274125	3443.31832273413	81.08848698385282	113.2989403972046
77	271	198977	-320781.1413	705957.3170250766	39.53520602336642	-101.9361537	247658.6439291155	4380289.44125052	3775.874033214618	3555.133508068987	3445.2516334094473	3443.896280503619	81.11232775634764	113.2989403972046
78	271	198978	-320121.1413	705957.3170250766	39.535227695295315	-101.9338161	247859.7611155016	4380285.26361377	3775.805158712059	3554.645779841949	3445.88297966115	3444.07038406438	81.11232775634764	113.2989403972046
79	271	198979	-319461.1413	705957.3170250766	39.53525031944884	-101.9314964	248072.191829196	4380281.9129196	3775.805158712059	3554.645779841949	3445.88297966115	3444.07038406438	81.11232775634764	113.2989403972046
80	271	198980	-318801.1413	705957.3170250766	39.5352716955687	-101.9291381	248261.205628482	4380277.06425035	3775.805158712059	3554.645779841949	3445.88297966115	3444.07038406438	81.11232775634764	113.2989403972046
81														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.ft	W.Lt.	BRfElevKgr.ft	BRfElevKgr.ft	SatfThKgr.ft	SatfThBoth.ft
163	271	19993	-264021.1413	790597.3170250766	39.536927405718906	-101.7350356	264851.715225649	4739935.40132559	3624.800502883435	3424.481716162854	3315.583632178894	3315.583632178894	3315.583632178894	3315.583632178894
164	271	19994	-263361.1413	790597.3170250766	39.5369454665665	-101.722697	265152.78170975836	4739931.361670936	3622.295159137586	3441.160995570975	3310.544676760756	3314.169391097778	3310.544676760756	3314.169391097778
165	271	19995	-262701.1413	790597.3170250766	39.53696346249861	-101.703363	265353.6856212106	4739927.51437504	3621.78956464758	3439.84456787268	3309.1381	3314.199858291374	3310.544676760756	3314.169391097778
166	271	19996	-262041.1413	790597.3170250766	39.536981423124736	-101.728017	265553.90127552805	4739923.151676718	3620.297355973894	3438.531025351498	3307.340177866001	3313.870767565435	3310.544676760756	3314.169391097778
167	271	19997	-261381.1413	790597.3170250766	39.536999383575185	-101.7256811	265756.10013725122	4739919.045613905	3618.580429206561	3437.223347910274	3305.7445505	3311.850145243356	3310.544676760756	3314.169391097778
168	271	19998	-260721.1413	790597.3170250766	39.537017208849846	-101.723244	265957.0723059204	4739914.004028884	3616.616732640674	3435.922609103941	3303.206303541473	3313.8181734787516	3310.544676760756	3314.169391097778
169	271	19999	-260061.1413	790597.3170250766	39.537035033348655	-101.7210038	266158.143058499	4739910.83461705	3614.7414730419984	3433.622844347837	3301.4145146996475	3313.8181734787516	3310.544676760756	3314.169391097778
170	271	20000	-259401.1413	790597.3170250766	39.53705281387158	-101.7186651	266359.213	4739906.712591359	3612.781075883156	3433.612583093616	3299.565243171835	3309.4172362041563	3313.77601513799664	3310.544676760756
171	271	20001	-258741.1413	790597.3170250766	39.537070448618615	-101.7163265	266560.2638217897	4739902.5184076915	3610.04755464758	3432.96286	3298.268017851076	3299.565243171835	3313.77601513799664	3310.544676760756
172	271	20002	-258081.1413	790597.3170250766	39.537088238186096	-101.7139878	266761.3538578111	4739898.519867142	3607.515900509578	3432.74088676214	3296.3271051190378	3298.272702502589	3313.77601513799664	3310.544676760756
173	271	20003	-257421.1413	790597.3170250766	39.53710588254825	-101.7116492	266962.423663303	4739894.51371258	3607.979657087618	3429.335910988553	3294.3021594231986	3298.272702502589	3313.77601513799664	3310.544676760756
174	271	20004	-256761.1413	790597.3170250766	39.53712348180394	-101.7093105	267143.9243298846	4739891.31093177	3606.44570330638	3428.299721759713	3292.176073449157	3293.64569930317	3313.77601513799664	3310.544676760756
175	271	20005	-256101.1413	790597.3170250766	39.53714103584705	-101.7069719	267364.5625864783	4739886.20302896	3605.310255480764	3427.97010889736	3289.9633434782036	3291.5965256776502	3313.77601513799664	3310.544676760756
176	271	20006	-255441.1413	790597.3170250766	39.53715844714025	-101.7046332	267565.617035173	4739882.130194025	3604.573287360968	3426.8753242546617	3287.755131974342	3289.404690421671	3313.77601513799664	3310.544676760756
177	271	20007	-254781.1413	790597.3170250766	39.53717680440876	-101.702248	267766.70059130795	4739877.999569562	3603.836221273867	3424.6911748910025	3285.462755247389	3286.967147872687	3313.77601513799664	3310.544676760756
178	271	20008	-254121.1413	790597.3170250766	39.537195242691965	-101.6999589	267967.76925050636	4739873.8991587157	3603.053506986746	3423.531108462327	3283.123355203675	3284.430770038047	3313.77601513799664	3310.544676760756
179	271	20009	-253461.1413	790597.3170250766	39.5372108002582	-101.6976173	268168.7837969679	4739869.72969691	3601.462202	3422.394245373874	3280.74549078661	3281.47647682288	3313.77601513799664	3310.544676760756
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181	271	20011	-252141.1413	790597.3170250766	39.537245411406715	-101.692934	268570.97385410574	4739861.587244531	3596.387174075459	3420.1745883280805	3275.9587781147843	3276.662528789901	3313.77601513799664	3310.544676760756
182	271	20012	-251481.1413	790597.3170250766	39.537262462195	-101.6906013	268772.04159874335	4739857.84470824	3595.850167701295	3419.006525420623	3273.825741	3274.3682159077295	3313.77601513799664	3310.544676760756
183	271	20013	-250821.1413	790597.3170250766	39.53727984185012	-101.6882627	268973.109135689	4739853.28290047	3594.303669405501	3418.0196655401	3271.613266774041	3272.883481801238	3313.77601513799664	3310.544676760756
184	271	20014	-250161.1413	790597.3170250766	39.537296983071	-101.685924	269174.1604418734	4739849.26029017	3591.128110198107	3416.58702595015	3269.689026009354	3271.613266774041	3313.77601513799664	3310.544676760756
185	271	20015	-249501.1413	790597.3170250766	39.53731401588115	-101.6835827	269381.641064607	4739845.17840771	3589.04781807621	3414.628236789638	3267.496833804343	3269.689026009354	3313.77601513799664	3310.544676760756
186	271	20016	-248841.1413	790597.3170250766	39.5373314896253	-101.6812467	269575.1020927273	4739841.07542302	3586.543596702404	3414.659585781942	3265.0509565371	3267.496833804343	3313.77601513799664	3310.544676760756
187	271	20017	-248181.1413	790597.3170250766	39.53734816	-101.678908	269777.37605861	4739836.9578	3582.60413262043	3413.822892	3264.1252795479613	3266.114633806895	3267.496833804343	3313.77601513799664
188	271	20018	-247521.1413	790597.3170250766	39.537365127372006	-101.6765964	269978.4242855114	4739832.874056421	3581.0676172722604	3412.781905525444	3262.028477984397	3264.176725	3313.77601513799664	3310.544676760756
189	271	20019	-246861.1413	790597.3170250766	39.53738204894701	-101.6742307	270179.5904383845	4739829.7035325	3579.5310423982805	3411.76568987812123	3259.88933288619222	3262.028477984397	3313.77601513799664	3310.544676760756
190	271	20020	-246201.1413	790597.3170250766	39.53739892534546	-101.671882	270380.575364685	4739824.62729313	3577.994470243017	3410.742837811158	3257.7150030486505	3259.88933288619222	3313.77601513799664	3310.544676760756
191	271	20021	-245541.1413	790597.3170250766	39.537415917665762	-101.669534	270591.841064607	4739819.61782779	3575.485757175191	3409.7198362745182	3255.689402831346	3257.7150030486505	3313.77601513799664	3310.544676760756
192	271	20022	-244881.1413	790597.3170250766	39.53743251257658	-101.6672147	270791.705638398	4739815.17423921	3573.7610048759636	3408.698213012776	3253.76100053793	3255.689402831346	3313.77601513799664	3310.544676760756
193	271	20023	-244221.1413	790597.3170250766	39.53744983348129	-101.664876	270983.717862234	4739812.37182734	3571.86358826735	3407.6712654403823	3252.166705022574	3253.76100053793	3313.77601513799664	3310.544676760756
194	271	20024	-243561.1413	790597.3170250766	39.537465979173255	-101.6625374	271184.83680829654	4739808.27259182	3568.04317920524	3406.641959485566	3250.6613838355	3252.166705022574	3313.77601513799664	3310.544676760756
195	271	20025	-242901.1413	790597.3170250766	39.5374826286554	-101.6601987	271385.90164043296	4739804.17553292	3565.504514711015	3405.607613460457	3249.2623758179186	3248.9995953144735	3313.77601513799664	3310.544676760756
196	271	20026	-242241.1413	790597.3170250766	39.53749924	-101.657876	271586.961760314	4739800.07205045	3563.749543437122	3404.5670946775367	3248.363956	3248.9995953144735	3313.77601513799664	3310.544676760756
197	271	20027	-241581.1413	790597.3170250766	39.53751571958874	-101.6555213	271788.036221003	4739795.792749422	3561.046184903311	3403.7960278652427	3247.1230821163203	3248.9995953144735	3313.77601513799664	3310.544676760756
198	271	20028	-240921.1413	790597.3170250766	39.537532317017589	-101.6531827	271989.084524475	4739791.873741432	3558.2456115713375	3402.4562115713375	3246.3542154521587	3247.1230821163203	3313.77601513799664	3310.544676760756
199	271	20029	-240261.1413	790597.3170250766	39.5375497693026	-101.650844	272190.1596387087	4739787.77490602	3556.18935236034	3401.379702349106	3245.250825196209	3247.1230821163203	3313.77601513799664	3310.544676760756
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201	271	20031	-238941.1413	790597.3170250766	39.537583184067791	-101.6461666	272592.285691441	4739779.57888142	3550.511020778758	3399.1799248553213	3243.647586440342	3244.459559211723	3313.77601513799664	3310.544676760756
202	271	20032	-238281.1413	790597.3170250766	39.53759978133539	-101.643828	272793.349	4739775.47970345	3548.507347755862	3398.066974726837	3242.21355795213	3244.459559211723	3313.77601513799664	3310.544676760756
203	271	20033	-237621.1413	790597.3170250766	39.53761420745391	-101.6414893	272994.411822631	4739771.381738572	3546.3517151896814	3396.917815896268	3241.279089313285	3242.21355795213	3313.77601513799664	3310.544676760756
204	271	20034	-236961.1413	790597.3170250766	39.53762930137747	-101.6391506	273195.4748	4739767.283991184	3544.356205057083	3395.762870461353	3240.331162506676	3241.279089313285	3313.77601513799664	3310.544676760756
205	271	20035	-236301.1413	790597.3170250766	39.5376442163136	-101.636804	273401.631363136	4739763.184067198	3542.356192729678	3394.619824796656	3239.198212369829	3240.331162506676	3313.77601513799664	3310.544676760756
206	271	20036	-235641.1413	790597.3170250766	39.53765926393046	-101.6344372	273697.5996379654	4739759.09149116	35					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogKgf.ft	BR/ElevBotKgf.ft	SatHtLogKgf.ft	SatHtBotKgf.ft
289	271	200809	-180861.1413	790597.3170250766	39.538846059899534	-114.4003952	902085.015131445	4739419.769915825	340.418095173236	322.9657203137798	314.1553367118804	313.567238544364	110.0183870189935	121.39848186941572
290	271	200809	-180201.1413	790597.3170250766	39.53858541848496	-114.438205	904086.059942100	4739415.690625005	344.4408267007172	325.1243555942188	314.44463037961423	314.53234296064	110.80085178907247	119.71592268810753
291	271	200901	-179861.1413	790597.3170250766	39.53887021910766	-114.436618	906887.103656147	4739381.612005896	344.8459224715934	323.6935624955687	314.32435971455806	313.200867840374	111.0947328409671	119.7463455263036
292	271	200902	-178881.1413	790597.3170250766	39.5388300014736	-114.433403	908884.1746270113	4739407.53357108	344.774611785634575	324.8746118068613	313.457610242979	310.5080986415574	111.47100136568215	117.36651314710389
293	271	200903	-178221.1413	790597.3170250766	39.53889522320448	-114.431042	910891.1911548886	4739403.454626012	344.6860824	324.621271986745	313.34354396331285	313.279670675952284	111.84783215361631	116.7221935911638
294	271	200904	-177561.1413	790597.3170250766	39.53890741082156	-114.428654	912920.23464191555	4739397.763756809	345.4714575721234	324.5037035233922	313.270421607114	312.2949618144788	112.4666170321052	116.42513041943141
295	271	200905	-176801.1413	790597.3170250766	39.53891953378037	-114.4263267	91491.27729386	4739395.29876492	344.832087586184	324.8218711885643	312.95862695911723	312.42429041	113.29469215667319	118.4521762294438
296	271	200906	-176241.1413	790597.3170250766	39.53893162	-114.423879	91682.3210013099	4739391.22140254	344.690060150276	324.2123387179447	312.980411515325	313.1821236820228	114.25927206474988	118.4201039771685
297	271	200907	-175581.1413	790597.3170250766	39.538943635238	-114.421649	918183.3636740885	4739384.13478485	344.8320874715934	323.6935624955687	314.32435971455806	313.200867840374	111.0947328409671	119.7463455263036
298	271	200908	-174921.1413	790597.3170250766	39.538955667793704	-114.4193104	920054.4054252976	4739383.06149777	344.4078025510626	323.167178927156	312.45274491801027	312.15477297400513	116.47327297400513	117.8070124337972
299	271	200909	-174261.1413	790597.3170250766	39.5389671277806	-114.4169716	922925.4940068407	4739378.989	3425.969911502564	326.3371648072944	318.7465773429528	312.411536215057	117.5875874643416	117.9250111857886
300	271	201001	-173601.1413	790597.3170250766	39.538975915957859	-114.4146328	924646.4912672233	4739379.511241293	342.21235552119547	324.271906315994	319.040912347966	312.0655678612134	115.6809396802636	114.6563348478078
301	271	201010	-172941.1413	790597.3170250766	39.538991381194944	-114.4122941	926287.5332338805	4739370.835	3416.501192436434	323.3116346041314	312.0111325705633	312.0358598385833	109.87011805154806	
302	271	201012	-172281.1413	790597.3170250766	39.53900319764078	-114.409553	928986.571770349	4739376.79503401	341.76683265011	323.521673381755	312.855517710406	312.15825456149	110.66156777717	103.364128620854
303	271	20103	-171621.1413	790597.3170250766	39.53901498930278	-114.407618	929991.68	4739362.8675885	340.3408028147965	322.92914013	312.1811310818684	312.659981988006	108.75986226369372	94.30102712877353
304	271	20104	-170961.1413	790597.3170250766	39.5390269494365	-114.405278	930300.658721584	4739358.6067314	340.822102420345	322.8374184	312.1367491103321	314.4406451795267	107.0066017905491	83.56973218877329
305	271	20105	-170301.1413	790597.3170250766	39.539038375886005	-114.403029	933501.6996174533	4739354.530022884	340.140618692716	322.8265453416248	312.1494591009024	314.351799537384	106.870684215238	85.4745767628997
306	271	20106	-169641.1413	790597.3170250766	39.539050011609156	-114.400602	935702.758068018	4739350.45532189	340.1987701	322.50552968385	312.016801833169	313.53589712840507	105.785713521633	91.71071727632887
307	271	20107	-168981.1413	790597.3170250766	39.53906160215187	-113.982615	939303.781397266	4739346.37948885	339.91012451868	322.7998231663014	312.84010928776	312.870092609686	102.9597138750523	95.09185390532275
308	271	20108	-168321.1413	790597.3170250766	39.53907314751489	-113.959227	94104.82203365036	4739342.30478833	339.73726603547	322.7365245469884	312.6797152260897	312.521125052149	101.64683722089876	97.01530194
309	271	20109	-167681.1413	790597.3170250766	39.539083464769823	-113.938389	943505.8624679016	4739338.22948616	339.583246182528	322.882494094966	312.650248537382	312.5883751430347	100.3400095573143	97.294739516613
310	271	20110	-167001.1413	790597.3170250766	39.53909610271685	-113.912451	945406.560704029	4739334.15117636	339.379795203567	321.914717537308743	312.610332741384	312.642744685739	98.861490	96.324022623008
311	271	20111	-166281.1413	790597.3170250766	39.5391081797048	-113.886201	947407.842311847	4739330.811947	339.186229592453	322.673385441387	311.2445503471164	312.6799251885103	92.448933834597	92.448933834597
312	271	20112	-165681.1413	790597.3170250766	39.539118716903	-113.86576	949408.9650509	4739326.00313945	339.552368218704	321.67380737204	312.45968021528	312.161704329451	96.294004545792	94.952604775314
313	271	20113	-165021.1413	790597.3170250766	39.539130196632904	-113.842288	95110.0221888814	4739321.93227232	339.7142373754	321.604024921512	312.0758700052404	312.1264737454445	94.8268246890175	93.2812746506763
314	271	20114	-164361.1413	790597.3170250766	39.53914417091687	-113.8189	95311.0616156107	4739317.85872343	339.2738525348	321.6416905	312.6123247	312.259195454207	92.561522688098	91.81070964881928
315	271	20115	-163701.1413	790597.3170250766	39.53915270002092	-113.795512	955512.1008418008	4739313.78473398	339.983107835548	321.9216059995215	312.22572078123007	312.23291376342314	90.64387818722074	90.5918986
316	271	20116	-163041.1413	790597.3170250766	39.53916389340501	-113.772125	956713.139667378	4739309.711307448	339.675862100483	321.6967734053	312.6048824414902	312.60512051220849	88.6319152926525	88.4865460132085
317	271	20117	-162381.1413	790597.3170250766	39.53917526899198	-113.748637	958914.17693248684	4739305.586967521	339.416098369638	321.6914971308743	312.600076653565	312.6243967631704	86.4819356307104	86.4819356307104
318	271	20118	-161721.1413	790597.3170250766	39.53918611152339	-113.725113	96115.32173926	4739301.55104507	339.20022953042	321.67799904132	312.619564786938	312.7176718	87.1531118459191	87.1531118459191
319	271	20119	-161061.1413	790597.3170250766	39.53919716463754	-113.701961	96316.25142728674	4739297.492320882	339.894784369623	320.81069051023	311.9195723754342	311.9812736491633	85.5234627076123	88.19333010579018
320	271	20120	-160401.1413	790597.3170250766	39.53920167841686	-113.678573	96517.293067398	4739293.41976834	339.83419727819	320.69415458906	311.7488406956783	311.6537901309393	84.96073852	90.418350486096
321	271	20121	-159741.1413	790597.3170250766	39.53921931	-113.655186	96731.3319928474	4739289.34742529	339.867807908815	320.5578281986534	311.581990112528	311.446656526608	82.0008817400663	91.3163169926527
322	271	20122	-159081.1413	790597.3170250766	39.53922003870981	-113.631798	96919.3698189265	4739285.75298018	339.4162139954105	320.418655256113	311.40490022308493	311.60579959329	80.5283294713051	91.9480595290384
323	271	20123	-158421.1413	790597.3170250766	39.5392409637378	-113.603841	97120.40744581353	4739281.203052085	338.452621371087	320.347491881795	311.3427067268695	311.10526012510345	82.32711541	
324	271	20124	-157761.1413	790597.3170250766	39.53925173	-113.58022	97321.4448721735	4739278.121396151	338.19225992453	320.2673385441387	311.2445503471164	312.6799251885103	92.448933834597	92.448933834597
325	271	20125	-157101.1413	790597.3170250766	39.53926506167626	-113.561364	97522.482108324	4739273.06021942	338.7348236919386	320.177779900161	311.1012988100624	312.10879543487	90.647909658932	92.2927326867892
326	271	20126	-156441.1413	790597.3170250766	39.53927323824835	-113.538246	97723.511933376	4739268.9895979	338.54963036003	319.976551750754	310.111703429784	310.8101822461406	90.76482133777563	91.8665950599242
327	271	20127	-155781.1413	790597.3170250766	39.53928352528204	-113.514858	97924.5556555094	4739264.919167847	338.2575031106137	319.8663272954717	310.82485812014306	310.7610349140974	90.414915940411	90.869633
328	271	20128	-155121.1413	790597.3170250766	39.53929456999141	-113.491471	98125.5925995618	4739260.84709044	338.070765074183	319.432855985	311.7510395186886	310.899472003178	90.212890144167	90.538565581734
329	271	20129	-154461.1413	790597.3170250766	39.53930516357437	-113.469083	98326.62395361414	4739256.77840857	337.902404830077	319.20448300377	310.670409077114	310.945451214353953	91.1254252266566	91.25562586849173
330	271	20130	-153801.1413	790597.3170250766	39.53931571497712	-113.444498	98527.66527391516	4739252.70680781	337.3767690919136	319.434968034865	310.592497176836	310.75040040216	92.3549789	92.446594620416
331	271	20131	-153141.1413	790597.3170250766	39.539326977048	-113.421862	98740.742197048	4739248.1949575	337.1832736932003	319.248765021307	310.5831692080305	310.693296877607	92.8385163579483	92.8385163579483
332	271	20132	-152481.1413	790597.3170250766	39.53933682247026	-113.397919	98923.7273501584	4739244.56508407	337.045236910958	319.4021494	310.5785063456994	309.7564372264707	92.5016099718068	94.8447618
333	271	20133	-151821.1413	790597.3170250766	39.539347048018905	-113.374531	99130.7272904294	4739240.49620472	337.020363344664	39.911205374609044	309.6416644857163	309.67271810310774		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	LatBthKrg.ft	SurfBothKrg.ft
415	271	20015	-97701.14133	790597.3170250766	39.540047448509334	-101.1456702	115651.0447551615	4378907.05319111	3252.41759707811	308.4731844452954	3003.2506456392166	3003.511665721016	84.16233880607883	83.90131872427496
416	271	20016	-97041.14133	790597.3170250766	39.540054114348656	-101.1433314	115816.06485943634	4378903.461722599	3248.187388471115	305.908528726871	3002.8071796404715	3002.8071584250044	83.8306228616325	83.8306228616325
417	271	20017	-96381.14133	790597.3170250766	39.540066750590296	-101.1408928	116017.06487760325	4378899.410435328	3248.8012887783216	308.4012887783216	3003.4756974698837	3003.4756974698837	83.82589131876352	83.82589131876352
418	271	20018	-95721.14133	790597.3170250766	39.54006731047561	-101.1386376	116182.10431978723	4378892.356780001	3238.7269711095724	308.29140552420986	2998.979331	2998.440556156209	83.8120743275946	84.44223487258049
419	271	20019	-95061.14133	790597.3170250766	39.54007384076653	-101.1363149	116419.132782196	4378891.307661257	3236.164659696178	308.1375991685878	2997.5125235139744	2996.8727893125865	83.836346817	84.50320232329151
420	271	20020	-94401.14133	790597.3170250766	39.54007800255756	-101.1339761	116620.1430653727	4378887.2567204175	3233.2706162480848	307.9815267882240	2996.1274426622744	2995.804877480653	83.862391251886	84.04639041019327
421	271	20021	-93741.14133	790597.3170250766	39.54008675803245	-101.1316372	116821.162186915725	4378883.205897142	3230.3758327109313	307.71698088252	2995.0244354415767	2994.6193671678084	83.8996136534852	83.6942364
422	271	20022	-93081.14133	790597.3170250766	39.540093150549006	-101.1292984	117022.181094381	4378878.1564877395	3227.481491733073	307.61761027	2994.176641	2993.6803118250004	84.58438613381031	83.80071537191972
423	271	20023	-92421.14133	790597.3170250766	39.54009951011304	-101.1268595	117223.1988	4378875.1052041198	3226.957377502861	307.51887738	2992.96868736985	2992.96868736985	84.51133161902241	82.1919076841637
424	271	20024	-91761.14133	790597.3170250766	39.54010581440529	-101.1246207	117424.214098311	4378871.05136507	3225.80370045901	307.57197786143	2992.08377556782	2992.08377556782	85.15139440819516	80.93762531314042
425	271	20025	-91101.14133	790597.3170250766	39.54011207369579	-101.1228219	117625.236979136	4378865.05248661	3223.6500401702313	307.19002470883308	2992.8941193416558	2992.5488242862	85.121774657501	79.4153646566674
426	271	20026	-90441.14133	790597.3170250766	39.540118267714485	-101.119943	117826.2550119562	4378862.956	3225.49671250574	307.366827888504	2992.747635396784	2992.653990768598	85.16193309060636	77.463802023564
427	271	20027	-89781.14133	790597.3170250766	39.54012446551398	-101.1176042	118027.270426381	437885.960228468	3223.7574202729576	306.7298053686143	2992.168670669307	2992.266435811367	85.218310151	75.2631621
428	271	20028	-89121.14133	790597.3170250766	39.54013058020648	-101.1152653	118228.29002907804	4378854.8570241025	3220.4331865013883	306.7080189964207	2990.5932509924605	2990.5932349494644	85.7687680334215	76.974074693838
429	271	20029	-88461.14133	790597.3170250766	39.54013669877977	-101.1129265	118429.308682591	4378850.803505255	3217.108952301794	306.5422383892229	2988.9974831493378	2987.65882278820297	86.42487074299102	77.76412601
430	271	20030	-87801.14133	790597.3170250766	39.540142891971228	-101.1105877	118630.3268044238	4378846.750262064	3213.784719	306.37543440557867	2987.64555932476	2986.700931	86.10878492102484	77.05341331
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455	271	20055	-71301.14133	790597.3170250766	39.540278804130085	-101.0521165	123655.706653775	4378745.81005948	3176.459583337467	302.725060379575	2964.63177	2964.63177	85.71023664110746	81.3124383138756
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458	271	20058	-69321.14133	790597.3170250766	39.54029382026381	-101.045099	124258.7450476925	4378733.441	3166.7251861371	302.257826124658	2964.93073703595	2964.93073703595	85.71023664110746	81.3124383138756
459	271	20059	-68661.14133	790597.3170250766	39.54029830237983	-101.0427611	124459.755981212							

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLgKrg.f	BREIEvBothKrg.f	SatHtLgKrg.f	SatHtBoth.f
541	271	30341	-14541.14133	790597.3170250766	39.540531534907124	-00.85059744	40942.21963228658	4783938.684967075	301.132528280882	2897.8264819879273	2815.412804582185	2820.5479189582633	41.837673310879	77.2785639266396
542	271	30342	-13891.14133	790597.3170250766	39.540532507790293	-00.8488635	411143.2197250713	4783936.6011412	301.406348650053	2896.384425442624	2811.689279679499	2819.3189038017263	84.7154576313484	77.06551420489771
543	271	30343	-13221.14133	790597.3170250766	39.540533454571154	-00.8469267	434354.2196829096	4783930.9368706	301.0081603863987	2894.8173692093086	2808.6268457438771	81.18985544	74.8521420894467	74.8521420894467
544	271	30344	-12561.14133	790597.3170250766	39.54053431797299	-00.8430876	451945.2192520713	4783934.6621	300.9584623732814	2893.1835287191767	2805.162087934323	821.520067934323	86.1670707865376	71.6311032094099
545	271	30345	-11901.14133	790597.3170250766	39.54053515530521	-00.8416189	471746.2106844802	4783782.587631507	300.8063847802474	2891.529643860721	2800.9909326163242	823.4710113162663	80.3712243396684	68.11263232445481
546	271	30346	-11241.14133	790597.3170250766	39.5405359444814	-00.8392801	491947.2091934917	4783763.56332071	300.4185474027714	2889.8727301112425	2796.6557102783954	825.160058040043	83.2226603	67.1818531
547	271	30347	-10581.14133	790597.3170250766	39.5405366044084	-00.8369412	512428.2073853825	4783734.505287319	300.2713931362742	2888.2383253515887	2790.541356560048	826.321133422999	87.6969758918392	61.926199131189605
548	271	30348	-9921.14133	790597.3170250766	39.54053736918617	-00.8346023	532439.2054243608	4783704.5166770445	300.041099883474	2886.611988232474	2783.8256394304027	826.5705372277675	107.755941930467	59.04266159458794
549	271	30349	-9261.14133	790597.3170250766	39.54053825878127	-00.8322638	552654.2195369206	4783694.531361168	299.824845835	2885.540174548067	2778.02567985167	826.562841041047	107.755941930467	56.42083403862375
550	271	30350	-8601.14133	790597.3170250766	39.54053899	-00.8295246	572751.20444395	4783782.47078905	299.6034369305587	2883.00276301312	2774.040490572538	826.165571575589	115.995763518984	55.242702854397
551	271	30351	-7941.14133	790597.3170250766	39.5405392042371	-00.8278587	592282.19862587919	4783658.448075787	299.431943421756	2881.8258393040583	2757.262013201895	827.24295446771	124.5638989216319	54.55167805308661
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553	271	30353	-6621.14133	790597.3170250766	39.54054023	-00.822908	634354.1933274855	4783760.403275502	298.759131	2878.6957391947476	2743.2894581421474	828.465545487596	135.8628238053203	49.94919464598797
554	271	30354	-5961.14133	790597.3170250766	39.54054058017779	-00.8205691	654555.190455669	4783746.381197499	298.64123234408	2877.1440983128293	2749.3944649621617	825.5893612288137	127.740533361312	49.554737089472034
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556	271	30356	-4641.14133	790597.3170250766	39.54054138336347	-00.8158814	695671.1842559819	4783738.373885738	297.4743543090036	2874.059074802653	2767.81360270896	826.568284208574	106.2453471757925	47.49072327769136
557	271	30357	-3981.14133	790597.3170250766	39.54054167896842	-00.8135265	7144158.20802799373	4783734.31621954	297.101385580458	2872.527645135698	2776.1707446105934	826.3395250274077	96.3639055210295	46.1916926138809
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559	271	30359	-2661.14133	790597.3170250766	39.54054213689144	-00.8088748	754560.1738196496	4783736.274028555	297.668510169546	2869.4891918506007	2790.79664587074	825.284708301347	78.7285272386622	44.2945834573641
560	271	30360	-2001.14133	790597.3170250766	39.54054292327559	-00.8065399	774671.1700397056	4783732.25323891	297.4379758666823	2868.00525	2797.1749725921091	824.6077351671197	104.72272769136	43.39751471610043
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562	271	30362	-681.14133	790597.3170250766	39.54054274690064	-00.8018582	81365.1622509015	4783714.21203725	296.802716596137	2865.074124191994	2808.170815789908	823.294489	95.3035904252988	41.7798123047838
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571	271	30371	5258.858673033514	790597.3170250766	39.540541666674116	-00.7808084	996972.1186	478278.7038	296.052850771409	2852.96270427332	2788.86356758265	802.6052602010264	64.0898362	50.3474735311431
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582	271	30382	12518.858673033514	790597.3170250766	39.5405347297719	-00.7550048	12181.0452341514	478233.851068775	294.2036514053814	2839.16405929173	2776.63735480543	798.4579734368267	61.55106889623	53.3910917660456
583	271	30383	13158.858673033514	790597.3170250766	39.540534275065	-00.7525813	12381.0452341514	478233.851068775	294.2036514053814	2839.16405929173	2776.63735480543	798.4579734368267	61.55106889623	53.3910917660456
584	271	30384	13838.858673033514	790597.3170250766	39.5405326565769	-00.7504031	12581.0452341514	478233.851068775	294.2036514053814	2839.16405929173	2776.63735480543	798.4579734368267	61.55106889623	53.3910917660456
585	271	30385	14498.858673033514	790597.3170250766	39.5405315885881	-00.748								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBotKrg.ft	SatHtLog.ft	SatHtBot.ft
667	27	00467	68616.8586730335	705097.3170250766	35.540298304317645	-100.5562776	66666.9396612304	4737893.26748726	2825.611998262522	291.362700307385	2621.8259289021213	2621.8913104141607	69.53671742861716	69.4713898165781
668	27	00468	686278.8586730335	705097.3170250766	35.540293341196565	-100.5539387	66647.920842706	477889.26962595	2626.172727913661	2689.915082341335	2620.9231451670061	2621.098373313118	68.9167445174232	68.81674451002027
669	27	00469	686398.8586730335	705097.3170250766	35.54029819887266	-100.551999	66668.911066675	477885.72326409	2628.732617386409	2688.91798790038	2620.974681319393	2620.179115742897	68.911237839897	68.811237839897
670	27	00470	705098.8586730335	705097.3170250766	35.54028400814105	-100.549261	66669.8288225293	477881.25160875	2627.292811139603	2687.939242749595	2616.15231330475	2617.0835106	68.9351094	68.1590917768843
671	27	00471	71258.8586730335	705097.3170250766	35.540279152748596	-100.5469222	66707.863076525	477877.27814929	2825.9274	2685.70127189326	2617.9326066284166	2617.88332524128247	67.7686105609102	67.61796477650187
672	27	00472	71918.8586730335	705097.3170250766	35.540275421901074	-100.5454833	367271.84429155884	477881.231350021	2625.7225727275286	2684.300839054617	2616.7028279174588	2616.663503944615	67.66029745927153	67.516061745927153
673	27	00473	72578.8586730335	705097.3170250766	35.54026930586896	-100.5422445	367472.8423950471	477889.284764532	2819.36673402704	2682.8450721480226	2615.3290108068104	2615.296245	67.516061745927153	67.54865726406251
674	27	00474	73238.8586730335	705097.3170250766	35.54026431465721	-100.5399056	367673.80535161274	477885.28939327	2816.0452913080867	2681.3470300747171	2613.943107641848	2613.7825007427557	67.4039224322631	67.51879349396502
675	27	00475	73988.8586730335	705097.3170250766	35.5402592762338	-100.5375668	367874.7956413856	477881.2922268115	2811.897144118975	2686.91625808844	2612.477787050228	2612.47062078598	67.3683564586362	67.43856119935549
676	27	00476	74558.8586730335	705097.3170250766	35.5402542	-100.5352278	368075.7590451976	477887.29623478	2816.35756972745	2690.9746278443	2610.967449278443	2610.97404293162	67.3704204932162	67.47240252
677	27	00477	75218.8586730335	705097.3170250766	35.54025069692955	-100.5328981	368276.7458412729	477883.300563816	2801.84159329117976	2676.885839727184	2609.455779204096	2609.350987273434	67.4304059678182	67.5349720303688
678	27	00478	75878.8586730335	705097.3170250766	35.54023849798576	-100.5305502	368477.725175183254	477879.305047818	2796.3190	2675.43111459334	2608.006184308875	2607.945905895557	67.4253270684471	67.6556089677996
679	27	00479	76538.8586730335	705097.3170250766	35.540238680867546	-100.5282114	368678.7055630746	477848.31	2796.114317	2673.99413797086	2607.2063568112	2607.325715657747	67.418711498969	67.684628213286104
680	27	00480	77198.8586730335	705097.3170250766	35.540233418563474	-100.5258725	368879.681951927	477874.31456677	2796.73431446425	2672.754093348073	2606.6177302070264	2606.74653871893	67.595971278092	65.8099456
681	27	00481	77858.8586730335	705097.3170250766	35.54022811	-100.5235337	369080.64287204095	477873.31978169	2796.7323965956747	2671.1721058819943	2606.11518263945	2606.14450587171	65.056923349531	65.0270071081639
682	27	00482	78518.8586730335	705097.3170250766	35.54022168240932	-100.5211498	369281.6441362452	477833.325120258	2800.901396812093	2669.781224662305	2605.620015111626	2605.596340283975	64.16120917070293	64.184844
683	27	00483	79178.8586730335	705097.3170250766	35.540217360529254	-100.518856	369462.834189192	477829.330672436	2800.470359914504	2668.04362851713	2605.171694	2605.1384321924625	63.2268969007277	63.2619359625054
684	27	00484	79838.8586730335	705097.3170250766	35.54021197527174	-100.5165171	369683.6025763825	477828.33428128	2799.77974599126	2667.02915495409	2604.649932693847	2604.803273788578	62.22591708831135	62.22591708831135
685	27	00485	80498.8586730335	705097.3170250766	35.54020623931176	-100.5147183	369884.5816095417	477821.342410763	2799.08091819832	2665.6664771932274	2604.362456215563	2604.360771245356	61.27222157167105	61.1587054978157
686	27	00486	81158.8586730335	705097.3170250766	35.54020089917145	-100.5118394	370085.5061800365	477817.3401063	2798.38261801497	2664.313818993997	2604.255404030484	2604.360257257353	59.9180971899113	59.918066238656
687	27	00487	81818.8586730335	705097.3170250766	35.540195378291	-100.5091066	370286.5390623909	477813.355	2795.5164078592	2662.969473124389	2604.312361390474	2604.302662462937	58.661746893417	58.6609149746528
688	27	00488	82478.8586730335	705097.3170250766	35.54018963573296	-100.5071617	370487.51796199504	477809.363716236	2794.563673160675	2661.632441019185	2604.3728500792	2604.3728500792	57.25515599112473	57.340268915794
689	27	00489	83098.8586730335	705097.3170250766	35.5401849624574	-100.5048917	370684.365198647	477805.37479896	2793.45301245194	2663.302731323817	2604.422943557444	2604.422943557444	56.2883967260486	56.2883967260486
690	27	00490	83798.8586730335	705097.3170250766	35.540178310513696	-100.502484	370889.47401025006	477801.375518189	2790.29063001422	2658.797959274462	2604.6891611725337	2604.468303710875	54.29061574542426	54.51167221789036
691	27	00491	84458.8586730335	705097.3170250766	35.5401752120803	-100.5001452	371090.4531990001	477797.382778976	2787.7359305804125	2657.6660118983564	2604.91482620046	2604.86248790274	52.90175859631058	52.90175859631058
692	27	00492	85118.8586730335	705097.3170250766	35.54016674672047	-100.4978064	371291.4313642755	477793.390253301	2783.68449563724	2656.359279861592	2605.961868058306	2605.571341506541	50.6674118027311	50.7851453505064
693	27	00493	85778.8586730335	705097.3170250766	35.54016087051207	-100.4954675	371492.490467431	477789.399791452	2781.7635064542973	2655.067884570396	2606.739789949836	2606.769857382697	48.288930224689	48.288930224689
694	27	00494	86438.8586730335	705097.3170250766	35.54015500219968	-100.4931287	371683.3873261359	477785.405821575	2791.58154728823	2653.769869660684	2606.311274147744	2606.3532341310866	47.47098617349827	47.47098617349827
695	27	00495	87098.8586730335	705097.3170250766	35.54014965119648	-100.4907868	371884.365198647	477781.41987395	2792.456913562103	2652.46913562103	2604.11518263945	2604.11518263945	46.2883967260486	46.2883967260486
696	27	00496	87748.8586730335	705097.3170250766	35.5401437956144	-100.488481	372095.3477970303	477777.42252769	2790.923377800242	2651.7571	2607.102162000115	2607.102162000115	45.044861835484	45.044861835484
697	27	00497	88418.8586730335	705097.3170250766	35.54013704655454	-100.4861121	372296.3203400645	477773.43087634	2787.581045357783	2649.937363316585	2607.49020066118	2607.778562965464	42.0844726554039	42.1006933112096
698	27	00498	89078.8586730335	705097.3170250766	35.5401307975824	-100.4837733	372497.2977788414	477779.43962891	2780.0811669283	2648.580121361429	2607.490278497663	2607.490278497663	41.0061070345221	41.0061070345221
699	27	00499	89738.8586730335	705097.3170250766	35.540124850215264	-100.481435	372698.2750868134	477776.4855178	2785.083736266472	2647.275236404253	2607.490278497663	2607.490278497663	39.9180971899113	39.9180971899113
700	27	00500	90398.8586730335	705097.3170250766	35.540118647291	-100.4790956	372899.252731064	477761.45773409	2781.571274292033	2645.962337362693	2607.490278497663	2607.490278497663	37.567367119188	37.567367119188
701	27	00501	91058.8586730335	705097.3170250766	35.54011247314875	-100.4767681	373100.2253792835	477757.467128614	2784.94172819762	2643.837268562596	2607.490278497663	2607.490278497663	35.9863158879908	35.9863158879908
702	27	00502	91718.8586730335	705097.3170250766	35.54010621681422	-100.4744179	373301.20564923	477753.47980938	2783.45301245194	2643.302731323817	2607.490278497663	2607.490278497663	33.9180971899113	33.9180971899113
703	27	00503	92378.8586730335	705097.3170250766	35.54009996	-100.4725971	373502.18303199596	477753.4648561609	2781.571274292033	2643.302731323817	2607.490278497663	2607.490278497663	31.9180971899113	31.9180971899113
704	27	00504	93038.8586730335	705097.3170250766	35.54009356868565	-100.4697403	373703.159065511	477745.49659751	2782.22857051674	2640.58062963945	2607.490278497663	2607.490278497663	29.9180971899113	29.9180971899113
705	27	00505	93698.8586730335	705097.3170250766	35.54008717683443	-100.4674014	373904.136865964	477741.506841115	2782.98156450743	2639.202069523044	2607.490278497663	2607.490278497663	27.9180971899113	27.9180971899113
706	27	00506	94358.8586730335	705097.3170250766	35.5400807380146	-100.4650626	374105.1128472795	477737.51309977	2782.73987359634	2637.792066	2607.490278497663	2607.490278497663	25.9180971899113	25.9180971899113
707	27	00507	95018.8586730335	705097.3170250766	35.5400745789678	-100.4627237	374306.0891875625	477733.52786243	2780.286104102434	2636.3548127488	2607.490278497663	2607.490278497663	23.9180971899113	23.9180971899113
708	27	00508	95678.8586730335	705097.3170250766	35.54006773019041	-100.4603439	374507.054076795	477733.538591901	2775.016712570585	2634.8872569326	2607.490278497663	2607.490278497663	21.9180971899113	21.9180971899113
709	27	00509	96338.8586730335	705097.3170250766	35.54006102932884	-100.4579118	374708.136865964	477729.54198398	2773.45301245194	2633.45301245194	2607.490278497663	2607.490278497663	19.9180971899113	19.9180971899113
710	27	00510	96998.8586730335	705097.3170250766	35.54005453985254	-100.4557072	374909.0174892124	477721.561295345	2774.245529507124	2631.85599090304	2607.490278497663	2607.490278497		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtElev.f	SatHtBoth.f
53	272	00093	-336621.1413	971257.2170250766	39.53647876795672	-101.99232076	242836.4869620074	430589.8932030497	371.9705829146105	3578.75300374757	3505.2509922646505	3510.6586239932512	81.50200811010655	76.0948738150586
54	272	00094	-335961.1413	971257.3170250766	39.53650176862195	-101.989949	243037.5853630114	430585.70131163	3770.7969022202847	3585.527213388104	3503.973223965929	3510.476879803626	81.5538908	75.05133249349154
55	272	00095	-335301.1413	971257.3170250766	39.53652476841445	-101.987638	243238.636956463	430581.18181954	370.51850271678	3584.296200365217	3502.2950778309947	3510.502769758674	81.58932487120222	73.745400354454
56	272	00096	-334641.1413	971257.3170250766	39.53654769443795	-101.985219	243439.78104210465	430577.44051061	371.07067407538804	3583.057253580210	3500.529911311718	3510.476879803626	82.5278614772262	72.6609748268453
57	272	00097	-333981.1413	971257.3170250766	39.53657057958229	-101.982634	243640.87904060434	430573.7310422775	371.6223838769996	3581.8104417777095	3498.7075960712345	3510.713851043494	83.1028457634493	71.09659042766581
58	272	00098	-333321.1413	971257.3170250766	39.536593419557164	-101.9806148	243841.9761	430569.180423236	372.177058378490	3580.525994	3496.639749770095	3510.9134082421786	83.1324042474493	69.63938542656132
59	272	00099	-332661.1413	971257.3170250766	39.53661621435932	-101.9782763	244043.07535561484	430565.0510122124	373.65736707689	3579.2840598966393	3494.66604147702	3510.9184943056794	84.81745583899149	68.36556880101696
60	272	00100	-332001.1413	971257.3170250766	39.5366398398876	-101.9759377	244244.17043439118	430561.152116836	378.069912964236	3578.002384503418	3492.1195612681463	3510.505717520776	85.88262618219546	67.44467242258597
61	272	00101	-331341.1413	971257.3170250766	39.53666168445554	-101.973692	244445.2675910187	430557.69243564	378.489314221827	3576.765258525252	3489.71761868904	3510.505717520776	86.888330628625	66.56213411
62	272	00102	-330681.1413	971257.3170250766	39.53669427722915	-101.971526	244646.36243088173	430552.65470798	378.890151	3575.362589751297	3487.070472389925	3510.505717520776	88.824794826217	65.3204045827475
63	272	00103	-330021.1413	971257.3170250766	39.53670694184006	-101.969892	244847.455649357	430548.547342936	3782.741481	3574.0669388713077	3484.48325315781	3499.67452928806	89.834105552683	74.39246627282504
64	272	00104	-329361.1413	971257.3170250766	39.5367291077806	-101.966835	245048.55541646914	430544.406	3784.0218910042316	3572.721732188238	3481.414940725368	3496.678510427726	91.27979146269896	75.843081114546548
65	272	00105	-328701.1413	971257.3170250766	39.53675203	-101.9642449	245249.6510386913	430540.277889592	371.3595645736914	3571.289664736914	3478.286064791765	3491.67840593485	92.79287699328461	79.7287699328461
66	272	00106	-328041.1413	971257.3170250766	39.53677413135136	-101.9619063	245450.7463920216	430536.3499907	3786.5826927243256	3569.980234146826	3474.5929627806378	3494.5929627806378	95.3878627320475	83.74426014746177
67	272	00107	-327381.1413	971257.3170250766	39.53679694655412	-101.9599768	245651.8415032129	430532.19193074	3785.83727246204	3568.98048848878	3470.5510255614213	3480.23270448183	96.3532350096917	88.3532350096917
68	272	00108	-326721.1413	971257.3170250766	39.53681933479999	-101.9577292	245852.9306152777	430527.894271417	3783.0811811339	3567.175865432585	3465.89501626953	3473.924587384613	97.325743803032	93.251277804791
69	272	00109	-326061.1413	971257.3170250766	39.53684167787278	-101.9548906	246054.030685526	430523.766844226	3780.28910521173	3565.761127017625	3460.5315231733225	3465.83136939396	98.2196038430304	98.947098
70	272	00110	-325401.1413	971257.3170250766	39.53686395772334	-101.952552	246255.1253242943	430519.853967579	3564.312878	3545.6212482300525	3458.678761791953	3458.678761791953	109.6126034296672	105.43617043296672
71	272	00111	-324741.1413	971257.3170250766	39.53688628486971	-101.9502135	246456.219489603	430515.512640855	3775.39806354293	3542.7274931056043	3450.387174609762	3450.387174609762	112.72564546041918	112.72564546041918
72	272	00112	-324081.1413	971257.3170250766	39.53690343065179	-101.9478749	246657.3132827539	430511.385857126	3773.630981	3561.401352429147	3441.051751545346	3441.051751545346	120.326018844603	120.326018844603
73	272	00113	-323421.1413	971257.3170250766	39.53693059843159	-101.9455363	246858.086885217	430507.25967949	3771.970797080687	3558.454572074828	3437.828473786715	3437.828473786715	122.0030467604612	122.0030467604612
74	272	00114	-322761.1413	971257.3170250766	39.53695715649015	-101.9431977	247059.500333124	430503.123629381	3770.301705286868	3558.45451508148	3438.375920392181	3438.375920392181	118.95232182137391	118.95232182137391
75	272	00115	-322101.1413	971257.3170250766	39.537021313566	-101.941678	247259.630303873	430495.34704533	3774.616333646259	3548.3928422577	3444.56924922776	3444.56924922776	115.75204418381149	115.75204418381149
76	272	00116	-321441.1413	971257.3170250766	39.53699815441645	-101.9385206	247461.6862325953	430494.88034942	3771.056176708017	3555.46010587877	3442.565550660874	3441.4656747957	112.8942739710458	113.2933363030188
77	272	00117	-320781.1413	971257.3170250766	39.5370187622777	-101.936182	247662.7788982302	430490.75512123	3772.1155209331005	3553.9671995020476	3443.566795	3442.843646314957	111.93334048589167	111.93334048589167
78	272	00118	-320121.1413	971257.3170250766	39.537040732740365	-101.9338434	247863.8712	430486.629786448	3773.174865771095	3552.476204069618	3444.4371569253635	3443.736425081445	108.0448714425462	108.7398189891738
79	272	00119	-319461.1413	971257.3170250766	39.53706262	-101.9315048	248064.96335217895	430483.50450461	3773.806912526275	3550.98263431869	3444.663462378469	3444.663462378469	106.3280105338457	106.3280105338457
80	272	00120	-318801.1413	971257.3170250766	39.53708447024484	-101.929162	248266.0552064194	430478.38	3774.01167359444	3549.507391567782	3444.591201396633	3443.331701310551	104.9581005311296	105.1758898922542
81	272	00121	-318141.1413	971257.3170250766	39.53727611213656	-101.9268272	248467.1468116425	430473.5970433	3774.616333646259	3548.3928422577	3444.56924922776	3444.56924922776	102.747838381429	102.747838381429
82	272	00122	-317481.1413	971257.3170250766	39.5373190275475	-101.9244891	248669.7381605432	430470.130114571	3774.42107957307	3546.55385196777	3444.430962329517	3444.430962329517	102.14739	102.14739
83	272	00123	-316821.1413	971257.3170250766	39.53714974	-101.9221505	248869.329758622	430466.005743268	3774.46777059886	3545.081283599745	3444.283634674772	3443.8506101195903	100.7933979617127	101.23067314038417
84	272	00124	-316161.1413	971257.3170250766	39.53711918119	-101.9198119	249070.2401352716	430461.881990625	3771.2964159269955	3543.746343353284	3444.169488958908	3443.746343353284	99.66394215324569	99.66394215324569
85	272	00125	-315501.1413	971257.3170250766	39.53719302346655	-101.9174733	249271.5170474683	430457.755666126	3769.1450647930017	3542.149084309685	3444.338542416986	3443.7696215788337	97.8105418922154	98.3794627308482
86	272	00126	-314841.1413	971257.3170250766	39.53721458958498	-101.9151347	249472.6011	430453.633942164	3768.94319637111	3540.89113898026	3444.414837	3443.901312919456	96.2763025052587	96.68928927317153
87	272	00127	-314181.1413	971257.3170250766	39.5372612853653	-101.9127681	249673.6912251658	430449.51044536	3764.337484547536	3539.23968138904	3444.47076588967	3444.47076588967	94.6377087544699	94.6377087544699
88	272	00128	-313521.1413	971257.3170250766	39.537321313566	-101.910478	249874.7810303873	430445.3816543	3761.176371830987	3537.7526395195	3442.69024922776	3442.69024922776	92.2747838381429	92.2747838381429
89	272	00129	-312861.1413	971257.3170250766	39.537279052914826	-101.9081198	250075.8707135445	430441.264106951	3758.3611058911545	3536.36713058912	3446.9579757360116	3447.042538633314	89.3991548459028	89.3991548459028
90	272	00130	-312201.1413	971257.3170250766	39.53730047431193	-101.9057803	250276.9608068773	430437.141266303	3754.8541626364104	3535.0256085212355	3448.851174960905	3449.209224835014	86.047336	85.7163869624162
91	272	00131	-311541.1413	971257.3170250766	39.53732176659495	-101.9034417	250478.0402132748	430433.196073	3752.518008	3533.50134873502	3450.7021201287903	3451.404023437765	82.79922374471153	82.79922374471153
92	272	00132	-310881.1413	971257.3170250766	39.53734310667395	-101.9011331	250679.1380929095	430428.896201249	3751.06870259363	3532.0849247357175	3445.681918160878	3445.681918160878	80.4032457483949	80.4754717865642
93	272	00133	-310221.1413	971257.3170250766	39.53736435957878	-101.8987645	250880.2872600095	430424.770450543	3750.65069099247	3530.676533558482	3444.84668097868	3444.84668097868	78.53078537900955	78.53078537900955
94	272	00134	-309561.1413	971257.3170250766	39.53738573553943	-101.8964259	251081.3511725386	430420.62	3747.9844043913014	3529.27795637592	3442.721517193301	3443.21298641867	76.5522486	76.5522486
95	272	00135	-308901.1413	971257.3170250766	39.53740674165968	-101.8942875	251282.0263408163	430416.3400163	3746.611532196511	3528.44392430813	3442.721517193301	3443.21298641867	74.709995181196	74.709995181196
96	272	00136	-308241.1413	971257.3170250766	39.53742787	-101.8917487	251483.4914806787	430412.408811252	3742.38837259137	3526.485397627435	3445.9675797360116	3447.042538633314	72.84172776952	72.84172776952
97	272	00137	-307581.1413	971257.3170250766	39.537448345585	-101.8894101	251684.5787907414	430408.287640048	3739.181859151045	3525.089045613764				

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev	W.Lt.	BR.ElevKgr.f	BR.ElevBothKgr.f	Sat.HtKgr.f	Sat.HtBoth.f
179	272	20270	-25361.1413	971257.21730250766	36.53902362	-101.6976397	268172.9496550908	4380071.083094102	3600.831713154541	3421.24667165024264	3280.6046411843536	3280.726156075994	140.62403048080728	140.52051575643244
180	272	20270	-25280.1413	971257.31730250766	36.53904056	-101.6953101	268374.0176	4380066.97988531	3536.536957814299	3420.1466055426686	3278.26133506616	3278.521600871471	141.859324543698	141.619039681569
181	272	20271	-25251.1413	971257.31730250766	36.53903062	-101.6969262	268675.93891971269	4380062.87691098162	3536.240742472977	3419.2548146279448	3278.3474633404063	3278.296251396486	142.0723530186854	141.97538090030018
182	272	20272	-25148.1413	971257.31730250766	36.539075474961464	-101.6906235	268767.1529	4380094.5714151137	3593.944572132596	3421.909609019986	3273.8205734240563	3274.3194832737095	144.1562523752948	143.6712632389032
183	272	20273	-25082.1413	971257.31730250766	36.53902668036865	-101.6882248	268977.2201745312	4380054.671609598	3592.061284139654	3416.9312513595833	3271.5108505258604	3272.506463897191	145.4203648372244	144.3334714623902
184	272	20274	-25016.1413	971257.31730250766	36.53910915934765	-101.6859461	269178.287234776	4380050.569285086	3590.592843913853	3415.886054595664	3270.0103909473423	3270.5964625979613	146.87641451222407	145.4817687160508
185	272	20275	-24960.1413	971257.31730250766	36.53912691865514	-101.6836074	269379.3541	4380046.467	3589.123794284144	3414.851804471762	3267.9653190088864	3268.67132985588	146.88649351627737	145.4803231205801
186	272	20276	-24884.1413	971257.31730250766	36.539143976197934	-101.6812687	269680.2406714891	4380042.365291967	3587.65474196251	3413.84748746698	3266.8329171668924	3267.173098587162	147.0181400279678	147.0181400279678
187	272	20277	-24818.1413	971257.31730250766	36.53916086565312	-101.6789299	269978.4674911688	4380038.363821962	3586.240742472977	3412.810379795814	3266.8329171668924	3267.173098587162	147.0181400279678	147.0181400279678
188	272	20278	-24752.1413	971257.31730250766	36.5391778575067	-101.6759512	269992.5531998713	4380034.162169738	3583.82114611717	3411.78992740466	3265.344222969635	3262.688305191239	150.14519345031	149.11035751346571
189	272	20279	-24666.1413	971257.31730250766	36.53914847776057	-101.6742525	270183.6191238042	4380030.06035461	3581.7505689380525	3410.917018456972	3259.3763948954653	3259.689888543596	151.414623472188	150.5013268021226
190	272	20280	-24620.1413	971257.31730250766	36.53921175459276	-101.6719138	270384.6842117227	4380025.959910633	3579.6890517843323	3409.7852771005346	3256.9836266297275	3257.629035312822	152.80165047076207	152.1561832707753
191	272	20281	-24541.1413	971257.31730250766	36.53922859	-101.669575	270585.705292187	4380021.95120537	3579.715537378127	3408.779463399645	3254.6248808074756	3254.963306313274	154.1548259216985	153.1617509633048
192	272	20282	-24481.1413	971257.31730250766	36.5392453772392	-101.6672263	270786.8155373071	4380017.79	3581.8345565849084	3407.771786663202	3252.8572508959864	3252.7311440363878	154.9145357673156	155.000642681661
193	272	20283	-24421.1413	971257.31730250766	36.53926211402281	-101.6648478	270987.88055954943	4380013.658177079	3583.959379979169	3406.760626934429	3251.71748999997	3250.8451349437053	155.94719550472104	155.94719550472104
194	272	20284	-24361.1413	971257.31730250766	36.53927881014389	-101.6625589	271188.9454911463	4380009.558032131	3586.072592399647	3405.744523	3249.343089400213	3249.06591232465	156.4014342814593	156.6770320891539
195	272	20285	-24290.1413	971257.31730250766	36.53928561608712	-101.6602201	271390.009167486	4380005.458105027	3586.13112453971	3404.7216457114	3247.5408846063974	3247.1649857088122	157.1271996474688	157.57571788828258
196	272	20286	-24241.1413	971257.31730250766	36.53931206685241	-101.6578914	271591.0742059287	4380001.35895754	3584.129170975174	3403.692381555478	3246.5136719398312	3246.5136719398312	157.0534684824961	157.1787095662562
197	272	20287	-24181.1413	971257.31730250766	36.539328627438636	-101.6555427	271792.13837623404	4379997.25804315	3582.12726531398	3402.6531379009593	3401.015721292853	3246.8210231985313	157.0534684824961	157.1787095662562
198	272	20288	-24121.1413	971257.31730250766	36.53934514284926	-101.6532039	271993.2023	4379998.15963091	3580.125635031194	3401.58984656837	3240.25860656837	3240.25860656837	157.0534684824961	157.1787095662562
199	272	20289	-24061.1413	971257.31730250766	36.53936161308073	-101.6508862	272194.269635014	4379989.0650488	3578.756672816743	3400.54231384615	3239.3246466739447	3239.8956240104317	157.0534684824961	157.1787095662562
200	272	20290	-23961.1413	971257.31730250766	36.53937803813016	-101.6482625	272395.3294	4379984.367136884	3576.02142660053	3399.441022928426	3246.696827408783	3252.992191680864	157.0534684824961	157.1787095662562
201	272	20291	-23861.1413	971257.31730250766	36.53939435180256	-101.6458187	272596.3262784523	4379979.622678523	3573.298217443836	3398.321365191825	3244.7549572254837	3244.7549572254837	157.0534684824961	157.1787095662562
202	272	20292	-23821.1413	971257.31730250766	36.53941075271497	-101.64349	272797.4556924472	4379976.764712234	3576.551031419006	3397.2172757189522	3245.5934667207447	3252.443021128146	157.0534684824961	157.1787095662562
203	272	20293	-23762.1413	971257.31730250766	36.5394270224314	-101.6415013	272988.518	4379972.66652707	3575.292369169455	3396.079024416203	3244.7952048986694	3250.571025112905	157.0534684824961	157.1787095662562
204	272	20294	-23696.1413	971257.31730250766	36.53944326657518	-101.6391715	273199.5801012059	4379968.5686075	3566.490260255877	3394.9248842811285	3244.568705678273	3249.2471919330883	157.0534684824961	157.1787095662562
205	272	20295	-23631.1413	971257.31730250766	36.53945949	-101.6368328	273400.643339953	4379963.94801169	3563.752623448486	3393.762523355015	3243.6870654468017	3250.06109889318	157.0534684824961	157.1787095662562
206	272	20296	-23564.1413	971257.31730250766	36.53947563722667	-101.634484	273601.705442444	4379960.373280347	3563.556043	3392.5628826825804	3242.7484045104365	3248.0366006247606	157.0534684824961	157.1787095662562
207	272	20297	-23498.1413	971257.31730250766	36.53949174852998	-101.6320976	273802.768677815182	4379957.25866778	3562.467896161214	3391.4549572254837	3241.7549572254837	3247.1719388112354	157.0534684824961	157.1787095662562
208	272	20298	-23432.1413	971257.31730250766	36.5395078	-101.629716	274003.429695394	4379952.178707505	3561.40743818684	3390.321365191825	3240.424021	3241.7549572254837	157.0534684824961	157.1787095662562
209	272	20299	-23366.1413	971257.31730250766	36.53952383060703	-101.627478	274204.8903976885	4379948.0192969	3560.784565230965	3388.896511103448	3239.324615545873	3244.878041022938	157.0534684824961	157.1787095662562
210	272	20290	-23300.1413	971257.31730250766	36.53953809387853	-101.6251391	274405.9516701672	4379943.98352315	3520.1643069632107	3386.202262982612	3243.4586055052928	3249.4374398079536	144.18394047817497	144.18394047817497
211	272	20291	-23234.1413	971257.31730250766	36.53955571971674	-101.6228003	274607.0125949031	4379939.8888968	3517.08752182801	3386.370439365886	3237.0999196122366	3243.434009921913	144.18394047817497	144.18394047817497
212	272	20292	-23168.1413	971257.31730250766	36.53957116748643	-101.6204616	274808.073391359	4379935.72664069	3519.55433305917034	3385.080750157034	3235.9893780096113	3239.945250874988	144.18394047817497	144.18394047817497
213	272	20293	-23102.1413	971257.31730250766	36.53958745262777	-101.6181228	275008.133602507	4379931.69667763	3522.027104835348	3383.719224412924	3234.78037032443	3237.6536701667935	144.18394047817497	144.18394047817497
214	272	20294	-23036.1413	971257.31730250766	36.53960324519082	-101.6157841	275210.194223941	4379927.6869778	3520.467896161214	3382.404095436254	3233.75227498987	3234.78037032443	144.18394047817497	144.18394047817497
215	272	20295	-22970.1413	971257.31730250766	36.53961895956003	-101.6134453	275411.2542411575	4379923.50526444	3523.588723416665	3381.04549259776	3232.105919326562	3230.565810423186	144.18394047817497	144.18394047817497
216	272	20296	-22904.1413	971257.31730250766	36.5396346476091	-101.611106	275612.314030797	4379919.40942318	3534.1655456938283	3379.69850679487	3231.0550677271367	3224.234943241915	144.18394047817497	144.18394047817497
217	272	20297	-22838.1413	971257.31730250766	36.53965035178322	-101.6087678	275813.378610382	4379915.18480565	3537.78048431973	3378.278048431973	3229.302355973845	3220.16216856527	144.18394047817497	144.18394047817497
218	272	20298	-22772.1413	971257.31730250766	36.5396659362699	-101.6064291	276014.432981978	4379911.219887087	3545.424892697147	3376.816243444376	3228.214309392241	3218.52140931438	144.18394047817497	144.18394047817497
219	272	20299	-22706.1413	971257.31730250766	36.53968153029133	-101.6040993	276215.4925147654	4379907.125	3545.9137369596455	3375.3057369596455	3224.66882337834	3223.165516964673	144.18394047817497	144.18394047817497
220	272	20290	-22640.1413	971257.31730250766	36.53969705177869	-101.6017616	276416.55101504275	4379903.30702514	3541.263079730905	3373.74289628006	3223.33748574719	3221.927519370817	144.18394047817497	144.18394047817497
221	272	20291	-22574.1413	971257.31730250766	36.5397126916966	-101.599488	276618.68842973	4379898.64549703	3539.241365191825	3372.61983308967	3222.16549572254837	3221.927519370817	144.18394047817497	144.18394047817497
222	272	20292	-22508.1413	971257.31730250766	36.53972796	-101.597074	276818.68842973	4379894.83283575	3537.19212525981	3370.43480080886	3221.095489122495	3		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvLogKgr.f	SatHLogKgr.f	SatHBoth.f
305	272	00845	-173031.1413	971257.2172050766	35.40485124727065	-101.402954	293905.7286920814	4739555.7943266155	304.9486928719666	312.52.9089889152124	3119.572733573289	3141.310264271874	106.3326534192233	84.59872484
306	272	00846	-169641.1413	971257.3170250766	35.4048265329225	-101.4006152	293706.8235051814	4739551.71853203	304.0263567171196	3124.363801592605	3119.448199900799	3119.526710091404	106.33958609012606	84.59872484
307	272	00847	-168891.1413	971257.4170250766	35.40482447413286	-101.3882764	293907.86411555717	4739547.642864179	304.0121343635173	3127.8445889048974	3119.5238166462897	3125.85165872156	106.33958609012606	84.59872484
308	272	00848	-168321.1413	971257.5170250766	35.40486019702715	-101.3595375	293704.562438248	4739543.76509429	3309.85380066493	3221.35477841912	3123.04724223597	3123.07884981403	106.33958609012606	84.59872484
309	272	00849	-167661.1413	971257.6170250766	35.4048757520271564	-101.3395387	294309.3447300245	4739539.349245363	3308.38643035652	3219.89665127153	3119.2833851883456	3121.706361925951	106.33958609012606	84.59872484
310	272	00850	-167001.1413	971257.7170250766	35.4049097556942	-101.3215929	294510.9847343641	4739531.45725238	3308.91896253652	3218.476019	3119.150892625926	3120.57596556221	106.33958609012606	84.59872484
311	272	00851	-166341.1413	971257.8170250766	35.40492038562825	-101.388921	294712.02453704795	4739531.242818976	3306.610282336612	3217.0952441202253	3119.846838185804	3127.8468375016491	106.33958609012606	84.59872484
312	272	00852	-165681.1413	971257.9170250766	35.40493175062213	-101.3865822	294913.0641	4739527.26327601	3307.4501113387965	3215.7507906427	3119.220654870392	3119.769544678851	106.33958609012606	84.59872484
313	272	00853	-165021.1413	971258.0170250766	35.404934307036854	-101.3849434	29507.86411555717	4739523.194652087	3308.91001843383	3214.4538916372214	3119.5238166462897	3125.85165872156	106.33958609012606	84.59872484
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEvLogsKrg.ft	BRIEvBothKrg.ft	SatHtLogs.ft	SatHtBoths.ft
431	272	00971	-8714.14133	917257.2172052676	36.54196158000355	-110.1082656	318835.3978977677	4379043.950492163	10.834595582172	3601.7607645600038	2986.0434294295504	2985.760824727894	75.71731526457734	75.9993938729435
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465	272	01005	-6470.14133	917257.3170250766	36.54213820701415	-110.028737	325689.8756029739	4790396.42204778	3140.69802739907	3014.8692781756785	2930.02364175261	2930.568973911824	83.8960140041737	84.1243046385436
466	272	01006	-6404.14133	917257.3170250766	36.54214273085315	-110.026347	325910.8965374605	4790390.8903935	3138.073176205414	3013.24603336453	2929.474040921294	2929.474040921294	83.4720928170126	83.4720928170126
467	272	01007	-6338.14133	917257.3170250766	36.5421470052154	-110.024058	326107.8974009566	4790393.9200774	3135.57441170963	3011.7985154192957	2928.60966168413	2928.93372109745	82.984725088255	82.984725088255
468	272	01008	-6272.14133	917257.3170250766	36.5421513800555	-110.0217169	326272.9080591295	4790394.29611294	3135.935025227171	3010.352773029676	2927.669813478736	2927.669813478736	82.6829955	82.6829955
469	272	01009	-6206.14133	917257.3170250766	36.54215565330818	-110.019378	326473.918625159	4790388.25816438	3135.451954	3008.9089368758267	2926.3648672694615	2926.196793142226	82.712438336021	82.712438336021
470	272	01010	-6140.14133	917257.3170250766	36.54215987942614	-110.0170391	326674.9287828354	4790388.21813545	3134.915045254883	3007.4659745800285	2925.28232873974	2925.28232873974	82.7247260631126	82.4058707939787
471	272	01011	-6074.14133	917257.3170250766	36.54216406361326	-110.0147002	326875.9391663091	4790387.178215862	3134.01254030093	3006.629160541864	2925.99505608891	2925.995063707233	82.0283058925922	82.1296468
472	272	01012	-6008.14133	917257.3170250766	36.5421682	-110.0123613	327076.9458180237	4790387.178215862	3133.82405209894	3004.358156063327	2925.12859050827	2925.28986424424	82.455006100575	82.944073441029
473	272	01013	-5942.14133	917257.3170250766	36.5421723668607	-110.010068	327289.92866966	4790387.178215862	3133.073176205414	3003.4293739672017	2924.39843768785	2924.39843768785	82.1734253173982	82.1734253173982
474	272	01014	-5876.14133	917257.3170250766	36.5421763306534	-110.007684	327478.96872001584	4790389.05321271	3132.06942094954	3001.7073321462	2920.81435435456	2920.81431140704	80.9002880790025	82.169427220272
475	272	01015	-5810.14133	917257.3170250766	36.54218032266504	-110.005345	327679.97823514586							

ix	yy	X	Y	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	SatHtKgr.f	SatHtBoth.f
557	27	201097	-3881.141327	971257	31.70250766	-39.54235488892985	-100.135529	44612.20685382746	478535.535504185	2978.52509510923214	2777.3916265723165	2825.2140813258293	46.3973818780501	
558	27	201098	-3321.141327	971257	31.70250766	-39.5423548895107	-100.1181214	344.3631204818948	478535.511344995	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
559	27	201099	-2661.141327	971257	31.70250766	-39.54235489232539	-100.0856181	346.54.1962931687	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
560	27	201100	-2001.141327	971257	31.70250766	-39.54355023315935	-100.8005361	344.765.1952078106	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
561	27	201101	-1341.141327	971257	31.70250766	-39.542355317722695	-100.8041972	344.966.1913170336	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
562	27	201102	-681.1413269	971257	31.70250766	-39.5435533694599	-100.818562	345.167.186244051	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
563	27	201103	-21.14132993	971257	31.70250766	-39.5423551098482	-100.7995193	345.568.1824	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
564	27	201104	638.85867303514	971257	31.70250766	-39.5423553984036	-100.7917804	345.568.1824	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
565	27	201105	1298.85867303514	971257	31.70250766	-39.5423553984036	-100.7917804	345.568.1824	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
566	27	201106	1958.85867303514	971257	31.70250766	-39.54235521199997	-100.7925025	345.568.1824	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
567	27	201107	2618.85867303514	971257	31.70250766	-39.5423550530409	-100.7901638	347.162.163049406	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
568	27	201108	3278.85867303514	971257	31.70250766	-39.54235485342446	-100.7878247	346.373.1574726996	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
569	27	201109	3938.85867303514	971257	31.70250766	-39.54235485342446	-100.7878247	346.373.1574726996	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
570	27	201110	4598.85867303514	971257	31.70250766	-39.54235431411387	-100.7831468	346.373.1574726996	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
571	27	201111	5298.85867303514	971257	31.70250766	-39.5423539946329	-100.7808079	346.373.1574726996	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
572	27	201112	5918.85867303514	971257	31.70250766	-39.54235359406623	-100.778469	347.171.135544882	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
573	27	201113	6578.85867303514	971257	31.70250766	-39.5423531662974	-100.7761301	347.378.12961161736	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
574	27	201114	7238.85867303514	971257	31.70250766	-39.5423530238746	-100.7737911	347.578.123520956	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
575	27	201115	7898.85867303514	971257	31.70250766	-39.54235217511267	-100.7714522	347.780.1113	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
576	27	201116	8558.85867303514	971257	31.70250766	-39.54235161717167	-100.7691133	347.981.110897842	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
577	27	201117	9218.85867303514	971257	31.70250766	-39.54235100323814	-100.7667744	348.182.1046578074	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
578	27	201118	9878.85867303514	971257	31.70250766	-39.54235045952082	-100.7644354	348.383.09768974704	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
579	27	201119	10538.85867303514	971257	31.70250766	-39.54235045952082	-100.7644354	348.383.09768974704	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
580	27	201120	11198.85867303514	971257	31.70250766	-39.5424890553491	-100.7597576	348.785.03889534	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
581	27	201121	11858.85867303514	971257	31.70250766	-39.542348117266314	-100.7574186	348.986.07721615	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
582	27	201122	12518.85867303514	971257	31.70250766	-39.54234728213964	-100.7550797	349.187.069084505	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
583	27	201123	13178.85867303514	971257	31.70250766	-39.542346340317784	-100.7527408	349.388.062099362	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
584	27	201124	13838.85867303514	971257	31.70250766	-39.5423457835797	-100.7504719	349.589.054441146	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
585	27	201125	14498.85867303514	971257	31.70250766	-39.5423450534545	-100.7480528	349.790.04683959	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
586	27	201126	15158.85867303514	971257	31.70250766	-39.542344316669	-100.745419	349.991.039898527	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
587	27	201127	15818.85867303514	971257	31.70250766	-39.5423432375556	-100.7433851	350.192.0310083834	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
588	27	201128	16478.85867303514	971257	31.70250766	-39.54234132724043	-100.7410462	350.393.023	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
589	27	201129	17138.85867303514	971257	31.70250766	-39.54234017650181	-100.7387072	350.594.0146940577	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
590	27	201130	17798.85867303514	971257	31.70250766	-39.54233898057942	-100.7363683	350.795.0063	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
591	27	201131	18458.85867303514	971257	31.70250766	-39.54233775947331	-100.7340294	350.996.9970273676	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
592	27	201132	19118.85867303514	971257	31.70250766	-39.54233645183436	-100.7316829	351.198.0961628	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
593	27	201133	19778.85867303514	971257	31.70250766	-39.54233512170985	-100.7293515	351.397.9801359786	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
594	27	201134	20438.85867303514	971257	31.70250766	-39.5423334505253	-100.7270126	351.598.971173247	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
595	27	201135	21098.85867303514	971257	31.70250766	-39.5423323231147	-100.7246737	351.799.961995429	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
596	27	201136	21758.85867303514	971257	31.70250766	-39.54233086186695	-100.7223348	352.000.9521049524	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
597	27	201137	22418.85867303514	971257	31.70250766	-39.54232934379186	-100.7199958	352.201.943282774	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
598	27	201138	23078.85867303514	971257	31.70250766	-39.5423277665595	-100.7176599	352.402.937123344	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
599	27	201139	23738.85867303514	971257	31.70250766	-39.54232615963675	-100.7153284	352.603.98219188	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
600	27	201140	24398.85867303514	971257	31.70250766	-39.5423243625034	-100.7129791	352.804.914439376	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
601	27	201141	25058.85867303514	971257	31.70250766	-39.54232284330966	-100.7106401	353.005.904	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
602	27	201142	25718.85867303514	971257	31.70250766	-39.54232110517996	-100.7083012	353.206.894008162	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
603	27	201143	26378.85867303514	971257	31.70250766	-39.5423192186907	-100.7059623	353.407.8217636	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
604	27	201144	27038.85867303514	971257	31.70250766	-39.54231749337459	-100.7036234	353.608.873036345	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
605	27	201145	27698.85867303514	971257	31.70250766	-39.54231571666675	-100.7012844	353.809.82623265	478535.47492979716	2976.620175131528	2870.1033012502944	284.294340011476	45.8088712387734	
606	27	201146	28358.85867303514	971257	31.70250766	-39.5423140383449	-100.6989455	354.010.852033239	478535.					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	WGL	BRiElevKgr.f	BRiElevBothKgr.f	SatHBoth.f
684	272	12123	79178.85867307335	971257.31720250766	35.42403026224736	-00.5118849	369486.6209162458	43780.30.532474648	2668.34219133605107	2668.34239893161	2607.2269956899422	61.097243303218875	61.1213847344146
684	272	12124	79838.85867307335	971257.31720250766	35.4240218157337	-00.51165101	369687.599848987	43780.26.38	2602.4925143703676	2607.2269956899422	2606.9953242955	60.9792027804718	59.8290219600495
685	272	12125	80488.85867307335	971257.31720250766	35.42401933072027	-00.51165101	371084.488968071	43780.22.543976877	2605.8037174	2607.2269956899422	2607.189754123291	58.45362321933306	58.4138916176884
686	272	12126	81158.85867307335	971257.31720250766	35.4240137918204	-00.5118233	370699.55734017125	43780.18.550034888	2798.831763900815	2664.2549837134655	2607.3526022249373	56.8971705981659	56.8258516345373
687	272	12127	81818.85867307335	971257.31720250766	35.424008218460666	-00.5094934	370290.5389960206	43780.14.556315862	2796.182248677274	2662.9147822274284	2606.09454181486	56.0798606049527	54.90527045842406
688	272	12128	82478.85867307335	971257.31720250766	35.4240254955622	-00.5071545	370491.5143341042	43780.10.556129005	2792.7087158461627	2661.580610543038	2608.94322493123	52.6348014908962	52.7038448087351
689	272	12129	83188.85867307335	971257.31720250766	35.4196960254689	-00.5048156	36892.49265485195	43780.06.56919105	2789.235181135985	2660.253306036695	2610.2232600238675	49.92770034138675	50.03005782
690	272	12130	83798.85867307335	971257.31720250766	35.41991211198045	-00.5024766	370883.470832341	43780.02.56144351	2788.761647813304	2658.9430636339302	2612.3615491593605	42.72890545176693	46.65515817878984
691	272	12131	84488.85867307335	971257.31720250766	35.419654174434	-00.501377	371084.488968071	437798.563577338	2785.10328443826	2657.8220073602978	2615.1353738784937	42.4696377754845	42.4138635268534
692	272	12132	85118.85867307335	971257.31720250766	35.4197964710759	-00.4977388	371255.42635253	437794.590927054	2788.41223803674	2656.316109758344	2618.1663651989893	38.1577445645448	37.7603144177991
693	272	12133	85778.85867307335	971257.31720250766	35.4195737925776	-00.4954599	371496.4054538633	437790.58490491	2786.12719182656	2655.01266890123	2619.1939180790023	35.7193543520246	35.42134880116036
694	272	12134	86438.85867307335	971257.31720250766	35.4196790228491	-00.493121	371697.382348305	437796.60267638	2794.024154222377	2661.371905808466	2616.749423433306	37.36818246740717	36.95023085645126
695	272	12135	87098.85867307335	971257.31720250766	35.4196196209904	-00.4907821	371898.359200521	437794.612584905	2794.264694851225	2652.420839253075	2611.729132	40.6919683897737	40.50521439282535
696	272	12136	87758.85867307335	971257.31720250766	35.419559763101	-00.4884432	372099.337691358	437794.633812632	2792.075147349687	2611.12299457137	2606.875617349687	42.246802216844	41.8650950050852
697	272	12137	88418.85867307335	971257.31720250766	35.4194994617823	-00.4861043	372300.314696596	437797.620881262	2789.4896261050958	2649.860748950487	2602.4136527465016	47.47022405471185	47.47340710844485
698	272	12138	89078.85867307335	971257.31720250766	35.41943870443326	-00.4837564	372501.2919012071	437797.039813165	2788.921671705826	2648.514117407351	2598.271587194195	50.24233021315599	50.3200033395109
699	272	12139	89738.85867307335	971257.31720250766	35.4193774952545	-00.4814265	372702.268984025	437796.643587374	2786.77845358734	2647.2005775047433	2594.2856411850504	52.91493331969264	52.677118337
700	272	12140	90398.85867307335	971257.31720250766	35.4193153424606	-00.4790876	372903.245456214	437796.6251741962	2788.05872185311	2645.87775552611	2590.8428557179105	53.0548951465448	52.73573305878724
701	272	12141	91058.85867307335	971257.31720250766	35.4192537214081	-00.4767487	373104.222785589	437795.666968308	2784.541962960342	2587.676122486306	2587.998270520392	56.8665804740365	56.54492577562424
702	272	12142	91718.85867307335	971257.31720250766	35.4191911567405	-00.4744098	373305.1956042026	437794.6176717351	2783.91925249468	2643.19506405474	2584.8758081736623	58.3200820841703	58.1362773
703	272	12143	92378.85867307335	971257.31720250766	35.4191287108194	-00.4720709	373506.1761818194	437795.8685779485	2792.7517947344423	2641.8352137332428	2582.042354466835	59.823300349529	59.93107109
704	272	12144	93038.85867307335	971257.31720250766	35.4190646719175	-00.469732	373707.15257895434	437794.695791257	2793.757173144253	2640.4579891937276	2579.617182542945	61.0509932669570	60.7866796194269
705	272	12145	93698.85867307335	971257.31720250766	35.4189541762305	-00.4676781	373908.1283471504	437794.725918631	2792.73295831023	2639.729853371032	2580.259304772267	62.912712156595	62.912712156595
706	272	12146	94358.85867307335	971257.31720250766	35.4188733977875	-00.4655042	374109.10517040474	437793.172598183	2790.7702304389	2637.84086219739	2574.1477689363523	63.4930321427554	63.27160221449505
707	272	12147	95018.85867307335	971257.31720250766	35.4188715555655	-00.4627154	374310.0813	437792.612691284	2788.12746922881	2636.195260767278	2571.607031104423	64.82639076053147	64.5882296
708	272	12148	95678.85867307335	971257.31720250766	35.4188062803239	-00.4603765	374511.05728138663	437793.73582339	2776.474015978845	2634.722105360842	2568.654581	65.87344192526543	65.87344192526543
709	272	12149	96338.85867307335	971257.31720250766	35.418740558535	-00.4580376	374712.031570345	437793.748654067	2775.3240828687	2632.02340190851	2566.56167676007	66.6586351484374	66.5770410026127
710	272	12150	96998.85867307335	971257.31720250766	35.4186743735549	-00.4559287	374913.08091307247	437792.75979396	2779.373789	2631.68884621848	2626.3152027883	65.2954242553484	65.3673299058496
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712	272	12152	98318.85867307335	971257.31720250766	35.41847147724	-00.4515029	375314.960071453	437790.178270618	2776.69172974734	2628.52711520894	2578.623733071629	68.15023983682	65.201343172503
713	272	12153	98978.85867307335	971257.31720250766	35.4184731	-00.448882	375515.934555898	437790.794626557	2762.26682877629	2626.900596183052	2562.554249908403	69.3503119221188	64.2701163359496
714	272	12154	99638.85867307335	971257.31720250766	35.4184051380777	-00.4463341	3757516.91074524686	437790.806670259	2755.2829955495	2561.948402207845	2562.03067623932	73.29445078967046	73.20778537191973
715	272	12155	100298.85867307335	971257.31720250766	35.418336696386	-00.4440042	375917.8895063223	437790.81839014	2757.695454170332	2623.5880819756424	2561.4887782995374	74.02693367610494	74.02693367610494
716	272	12156	100938.85867307335	971257.31720250766	35.4182678093374	-00.4416653	376118.164089274	437790.834115333	2761.69565945703	2621.849171477963	2560.823827	75.016715646113054	75.016715646113054
717	272	12157	101618.85867307335	971257.31720250766	35.418198674225	-00.4392564	376319.83597345586	437789.844103331	2765.69768452374	2620.19112923298	2560.7571081752756	76.953149941645361	76.953149941645361
718	272	12158	102278.85867307335	971257.31720250766	35.418128732205	-00.436987	376518.017801534	437789.857007028	2768.92593040453	2618.269304772267	2580.259304772267	78.15023983682	78.15023983682
719	272	12159	102938.85867307335	971257.31720250766	35.41804687475114	-00.4346848	376758.8821651	437789.86296851	2766.5982491947548	2620.343513860253	2560.8173752097	80.2547333475829	79.97887741779726
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722	272	12162	104918.85867307335	971257.31720250766	35.4178449736064	-00.4276231	377324.7088307273	437788.741975745	2755.496261858225	2611.2012676011263	2561.9176600397	84.5815510108661	84.5815510108661
723	272	12163	105638.85867307335	971257.31720250766	35.4177272626305	-00.4253921	377525.6831	437788.7034726658	2751.68188375184	2609.3832867804784	2561.997613802368	85.73685347343172	85.73685347343172
724	272	12164	106238.85867307335	971257.31720250766	35.4177004214917	-00.4229452	377765.6715363141	437786.33891023	2748.6825824519165	2607.569242453247	2561.32569753241	86.2366770162814	86.2366770162814
725	272	12165	106898.85867307335	971257.31720250766	35.417628152327	-00.4206781	377962.581691191	437785.44472	2746.92593040453	2605.48472	2559.4715152327	87.451917152327	87.451917152327
726	272	12166	107558.85867307335	971257.31720250766	35.417550451728	-00.4182764	378128.0501042765	437784.7567919163	2743.98186640457	2557.39371397445	2557.39371397445	88.4604704485465	88.4604704485465
727	272	12167	108218.85867307335	971257.31720250766	35.417405988098	-00.4159375	378329.5787654549	437785.9827441	2738.2853677803	2602.06389582965	2555.3415831663146	89.2347619591881	89.2347619591881
728	272	12168	108878.85867307335	971257.31720250766	35.417405836212	-00.4136198	378535.5524027586	437784.99782046	2724.439621815628	2600.22831840347	2553.4948140525403	90.73342779	90.73342779
729	272	12169	109538.85867307335	971257.31720250766	35.4173311196064	-00.4112597	378731.525925362	437784.0133333	2726.705321263549	2598.3918448287263	2561.48716325819	91.5544815780078	91.5544815780078
730	272	12170	110198.										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BREIValueKgr.f	BREIValueKgr.f	SatHt.f	SatBt.f
69	273	31349	-320601.1413	791917.3170250766	39.53865444717226	-101.9549194	46068.16843864607	4380725.083011291	372.283372639711	3546.650041488839	3469.96584149028	3468.156464719986	93.68419729854168	96.49376576885347
70	273	31350	-325401.1413	791917.3170250766	39.53867674609987	-101.9525088	462659.2625644762	4380720.95581306	3778.347342119203	3563.206491479557	3454.861037	3459.769512	10.5852140691553	103.4370367481356
71	273	31351	-324741.1413	791917.3170250766	39.53869457607636	-101.9504422	46460.54760732654	4380716.628102054	3778.15617027804	3561.74994645815	3447.68723405817	3450.83365296469	114.00261360323968	111.33601645296469
72	273	31352	-324081.1413	791917.3170250766	39.53872120751191	-101.947035	46661.00530313006	4380710.298811416	3772.746897512134	3560.281479277195	3439.68625846027	3449.099632132801	10.58520077651246	120.1818417391832
73	273	31353	-323241.1413	791917.3170250766	39.5387437046125	-101.9455649	46862.54343636316	4380708.547489455	3768.814177685423	3558.800554200187	3435.95356937158	3443.966873943	122.84896048286075	123.58288455262346
74	273	31354	-322761.1413	791917.3170250766	39.53875648824709	-101.9432262	47070.63656910682	4380714.47898638	3764.863580119333	3557.30858364329	3438.266672992294	3437.751144656327	119.0419105720325	119.5746910790135
75	273	31355	-322101.1413	791917.3170250766	39.53878756084373	-101.9408876	47264.72963164123	4380710.32133281	3763.9818047128	3555.80713508761	3404.1809467336043	3449.750275078157	115.6268183345666	116.0118009080972
76	273	31356	-321441.1413	791917.3170250766	39.53880958273025	-101.938549	47465.8221541339	4380696.195386833	3768.186444619525	3545.300594412618	3431.308949525293	3441.308949525293	112.7635891920416	112.9916110962313
77	273	31357	-320781.1413	791917.3170250766	39.53883457052496	-101.9362103	47686.9146267919	4380692.369459027	3768.02700895123	3552.7943145544768	3442.510348453767	3442.78438108771	110.2839461208901	115.5146934673781
78	273	31358	-320121.1413	791917.3170250766	39.5388535760041	-101.9338717	47868.059049227	4380687.943750919	3770.545728423206	3551.29054768977	3443.1900145395202	3442.930672190016	108.10053120251	108.3589754697754
79	273	31359	-319461.1413	791917.3170250766	39.538875399502075	-101.931533	48069.08592347115	4380683.812606485	3771.900287832851	3549.7909171612005	3443.356887788355	3443.2450248966117	106.4302937284554	106.5847245488875
80	273	31360	-318801.1413	791917.3170250766	39.53889724622893	-101.929194	48270.1901471571	4380679.62989942	3772.431925237314	3548.296631754347	3443.3785467020048	3443.445798330264	104.9180850543895	104.85034327471291
81	273	31361	-318141.1413	791917.3170250766	39.53891904778101	-101.9268558	48471.2815	4380670.886073772	3772.960972914274	3546.800866828647	3443.3412620070606	3443.3412620070606	103.477464475288	103.477464475288
82	273	31362	-317481.1413	791917.3170250766	39.53894080415824	-101.9245171	48672.3764976904	4380671.43104745	3773.490020105345	3545.3223142678585	3443.197425032168	3443.197425032168	102.2488923569026	102.23920501379735
83	273	31363	-316821.1413	791917.3170250766	39.53896251536059	-101.9221785	48873.463277439	4380667.318490434	3773.872035109036	3544.15167665561	3442.83837292278	3442.83837292278	100.68836909186019	101.1016554531730
84	273	31364	-316161.1413	791917.3170250766	39.53898418138774	-101.9198398	49074.155415722594	4380663.194094987	3770.980374152557	3542.362107622917	3442.974209947638	3442.8523271984693	99.3898676811538	99.70570940426759
85	273	31365	-315501.1413	791917.3170250766	39.53900582024405	-101.917012	49275.64458727273	4380659.069183475	3769.135427788017	3540.88936696588	3443.035162178402	3442.517917010404	97.85420479118602	98.3713959404763
86	273	31366	-314841.1413	791917.3170250766	39.53902773791787	-101.9151625	49476.7364713605	4380654.946	3767.287142174753	3539.4226270497334	3443.0377642697	3442.678919690485	96.3485051703659	96.74837073588851
87	273	31367	-314181.1413	791917.3170250766	39.5390488042022	-101.9128238	49677.8245777653	4380650.82211557	3764.630564	3537.962647316894	3444.047931457445	3443.118850416227	94.5457158594068	94.8437687527144
88	273	31368	-313521.1413	791917.3170250766	39.5390739	-101.9104852	49878.9141954828	4380646.698701016	3761.16377642039	3536.509970070116	3444.163708009044	3444.0312627998073	92.3462620107578	92.4787727030886
89	273	31369	-312861.1413	791917.3170250766	39.5390918338961	-101.9081465	50080.0038655746	4380642.57400123	3757.69889189227	3535.06379775968	3445.04966229565	3445.04966229565	89.654133592235	89.650093943
90	273	31370	-312201.1413	791917.3170250766	39.539113228675	-101.9058079	50281.082701096	4380638.45217601	3754.230201117981	3534.63444040757	3446.865874151567	3447.194884	86.758396818902	86.758396818902
91	273	31371	-311541.1413	791917.3170250766	39.53913457607636	-101.9034622	50496.5146267919	4380634.96885896	3751.209954695243	3533.798109879729	3445.019687098729	3434.00717301184	84.3286001781465	84.3286001781465
92	273	31372	-310881.1413	791917.3170250766	39.53915588330458	-101.9011305	50683.2707650766	4380630.206890484	3751.083601159956	3530.7681272526276	3446.25365294276	3446.684270481104	84.5152162	84.0843015051338
93	273	31373	-310221.1413	791917.3170250766	39.5391771427559	-101.8987199	50884.3587698075	4380626.379534783	3750.1493035171354	3529.351821744925	3445.830170234907	3446.420661949334	83.52165091	82.9309581965205
94	273	31374	-309561.1413	791917.3170250766	39.53919835073182	-101.8964532	51085.4466386785	4380621.961754205	3749.210305	3527.940326581606	3442.808934	3443.651091394103	81.3139257995044	84.2892351905726
95	273	31375	-308901.1413	791917.3170250766	39.53921952613227	-101.8941146	51286.5347474022	4380617.840188817	3748.25635404	3526.534504	3438.941291656059	3439.883704888577	79.5915873675089	86.6501930323292
96	273	31376	-308241.1413	791917.3170250766	39.53924065005731	-101.891779	51487.6224126085	4380613.714816979	3744.3894050240897	3525.1344982722826	3435.495626946657	3436.733380324343	78.6388713276193	88.40111518993495
97	273	31377	-307581.1413	791917.3170250766	39.53926172888966	-101.8894372	51688.7081319068	4380609.99885896	3741.488429842243	3523.798109879729	3435.019687098729	3434.00717301184	77.35896001781465	89.127110838646
98	273	31378	-306921.1413	791917.3170250766	39.53928273248186	-101.8870785	51889.770590546	4380605.475430168	3740.05450455171	3522.784514494243	3434.1535364707393	3431.735354672035	75.935237675072	90.2505137075072
99	273	31379	-306261.1413	791917.3170250766	39.53930375077945	-101.8847598	52090.8830440294	4380601.35419962	3735.11752843847	3520.963203544867	3426.981450009831	3429.275937133249	73.98166354	91.68727811
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102	273	31382	-304281.1413	791917.3170250766	39.539366449421335	-101.8777439	52694.14329495047	4380589.93291551	3723.169830710328	3516.480645864335	3419.589384211877	3419.589384211877	69.25126104	94.9382053090377
103	273	31383	-303621.1413	791917.3170250766	39.53938725261727	-101.8754052	52896.2291988079	4380584.872	3719.186325126353	3515.483965347517	3417.50467430897	3415.02469819508	67.9729097405449	95.3384951523488
104	273	31384	-302961.1413	791917.3170250766	39.53940801133745	-101.8730665	53096.1418032407	4380580.751213281	3715.209954695243	3514.138085452214	3415.1816098616838	3415.1816098616838	66.758281	95.4772021785033
105	273	31385	-302301.1413	791917.3170250766	39.53942873248186	-101.8707278	53297.4003474306	4380576.63231553	3711.233584127638	3512.8014789314223	3412.797816287583	3417.280858963098	100.0036654356922	95.63692121411
106	273	31386	-301641.1413	791917.3170250766	39.5394494045041	-101.8683891	53498.485810424	4380575.12748944	3707.257214	3511.474347189563	3410.6111947112895	3410.611821249340	100.8631524782736	95.4552594032056
107	273	31387	-300981.1413	791917.3170250766	39.53947003164314	-101.8660055	53699.0755521957	4380570.3830919	3702.50637950623	3510.1571635632	3408.2836103082917	3414.8816712382347	99.3360605348022	95.477611798718
108	273	31388	-300321.1413	791917.3170250766	39.53949061345994	-101.8637118	53900.65528518843	4380564.274239771	3696.981407143215	3508.8504149679334	3405.9496201046	3413.9902223590566	90.4018216668768	94.8581362088767
109	273	31389	-299661.1413	791917.3170250766	39.53951115	-101.8613731	54101.79179191522	4380560.155313913	3691.455783	3507.952949742615	3404.983521789911	3413.99027097138	89.56782818435067	94.0129178271265
110	273	31390	-299001.1413	791917.3170250766	39.53953164156569	-101.8590344	54302.54021504477	4380556.30650277	3685.930450451918	3506.264590189503	3401.589603819875	3413.90274987741	88.3036430246422	93.063840246422
111	273	31391	-298341.1413	791917.3170250766	39.539552168189501	-101.8567082	54503.981646578	4380551.91674893	3682.98914131674893	3504.98914131674893	3400.8914131674893	3413.90274987741	87.1358914131674893	93.063840246422
112	273	31392	-297681.1413	791917.3170250766	39.5395724889673	-101.854357	54704.9017477233	4380547.799854041	3680.0504555171	3503.73139793752	3400.8914131674893	3413.90274987741	86.17839748687624	90.704800420216798
113	273	31393	-297021.1413	791917.3170250766	39.53959324490404	-101.8520183	54906.0752905276	4380543.						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRELEVLogKgr.ft	BRELEVBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
192	271475	-242901.1413	791917.3170250766	39.54110829	-101.6602416	173194.118467166	4380206.744867216	3585.807324907337	343.8412605773456	3246.3750421200493	3246.1741264990774	3246.1741264990774	3246.1741264990774	157.6661730782882
196	273146	-242224.1413	791917.3170250766	39.54112490008813	-101.6579028	171596.182580358	4380202.464369338	3583.496797962047	3402.321520335082	3245.533062	3245.561835999768	3245.561835999768	3245.561835999768	157.2603160337944
197	273147	-241681.1413	791917.3170250766	39.54112661143	-101.655518	171796.2664439	4380198.545324682	3581.193081	3401.769306244965	3246.21052467778	3246.8464041925594	3246.8464041925594	3246.8464041925594	157.454560808612
198	273148	-240921.1413	791917.3170250766	39.5411576935165	-101.6532225	17197.301	4380194.454700446	3580.194454700446	3400.745332044056	3246.59187520787	3247.829171066585	3247.829171066585	3247.829171066585	157.173451966918
199	273149	-240261.1413	791917.3170250766	39.54117448	-101.6508884	172198.373507006	4380190.34654214	3576.9944212394453	3399.68002228711	3246.7255630679942	3246.74450525292	3246.74450525292	3246.74450525292	157.9324972
200	273148	-239601.1413	791917.3170250766	39.541170085	-101.6485476	172399.364780231	4380186.247359682	3575.57285207177	3398.598118394925	3245.943137065871	3247.24625457731385	3247.24625457731385	3247.24625457731385	157.34364112185403
201	273148	-238941.1413	791917.3170250766	39.5412073363188	-101.6462088	172600.4997736927	4380182.184855744	3574.0611382019883	3397.497531218811	3245.518172638896	3248.74264658837	3248.74264658837	3248.74264658837	157.9739534931485
202	273148	-238281.1413	791917.3170250766	39.5412235848714	-101.64387	172801.5626392471	4380178.04983145	3574.5947150823094	3396.379097803262	3245.348510824656	3248.74264658837	3248.74264658837	3248.74264658837	158.14874985265882
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206	273148	-235641.1413	791917.3170250766	39.54128848	-101.6345149	173605.8114648012	4380161.657622156	3547.765525748014	3391.71825077177	3242.036573520107	3246.057790342795	3246.057790342795	3246.057790342795	158.6622515706978
207	273148	-234981.1413	791917.3170250766	39.54130058638304	-101.6321761	173806.873113036	4380157.5608097195	3535.425316280438	3390.5066284004283	3241.03764454244	3246.70948983581633	3246.70948983581633	3246.70948983581633	158.671386433997
208	273148	-234321.1413	791917.3170250766	39.54132065042406	-101.6298373	174007.94353842285	4380153.457725225	3529.0786905543564	3389.27963237559	3239.7905383755205	3243.713202591779	3243.713202591779	3243.713202591779	158.4963036203836
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211	273148	-232341.1413	791917.3170250766	39.54136857147021	-101.6228208	174611.1174796281	4380141.127133906	3515.484816365243	3385.479162278903	3236.481889833571	3236.8405507966372	3236.8405507966372	3236.8405507966372	148.63051048229577
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216	273148	-229041.1413	791917.3170250766	39.54144754	-101.6111268	175616.4175450607	4380120.106210425	3538.54851026857	3378.73353391675	3230.453121381473	3212.9630054406643	3212.9630054406643	3212.9630054406643	158.7033479850314
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218	273148	-227721.1413	791917.3170250766	39.54147881	-101.6064492	176018.53658074397	4380112.501615324	3550.4914112308993	3375.7827009518	3228.126849511911	3210.650432497416	3210.650432497416	3210.650432497416	159.6604705976065
219	273148	-227061.1413	791917.3170250766	39.5414943702407	-101.6041104	176219.5595683358	4380108.40687695	3551.14550367989	3374.2595439401816	3225.168997781063	3212.605403228247	3212.605403228247	3212.605403228247	161.6541071193842
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221	273150	-225741.1413	791917.3170250766	39.54152574161594	-101.5994327	176621.712882635	4380100.275159445	3542.574311352313	3371.057826565536	3223.358246840476	3217.717849	3217.717849	3217.717849	155.1871027958846
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225	273150	-223101.1413	791917.3170250766	39.54158682663895	-101.5900775	177425.9449	4380084.6476401	3533.235051260112	3364.02478619067	3218.930818510552	3214.338823006673	3214.338823006673	3214.338823006673	159.688556123941
226	273150	-222441.1413	791917.3170250766	39.54160270744502	-101.5877387	177627.022322498	4380079.784735345	3532.071336140474	3362.172472313288	3218.17962519306	3213.9217027995687	3213.9217027995687	3213.9217027995687	148.74571431760023
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228	273150	-221121.1413	791917.3170250766	39.54163243451716	-101.583061	178029.116654412	4380071.56242119	3520.5147405406115	3358.384494919607	3217.257432474594	3212.125426054955	3212.125426054955	3212.125426054955	146.262952664526
229	273150	-220461.1413	791917.3170250766	39.541647585783154	-101.5807222	178230.173558971	4380067.46980173	3518.196037489126	3356.407616202744	3217.225078712041	3210.479547445459	3210.479547445459	3210.479547445459	145.9604927572848
230	273151	-219801.1413	791917.3170250766	39.5416624695955	-101.5783834	178431.229823235	4380063.3789021	3516.3853804080004	3354.541680932207	3215.84679824616	3210.958895651542	3210.958895651542	3210.958895651542	145.3220411644284
231	273151	-219141.1413	791917.3170250766	39.5416757537485	-101.5760445	178628.268886724	4380059.28469076	3515.88374859526	3352.80174958926	3214.788576324724	3210.859576637822	3210.859576637822	3210.859576637822	147.7123983223906
232	273151	-218481.1413	791917.3170250766	39.54169263350047	-101.5737057	178833.3424275005	4380055.19259889	3514.968461488917	3350.67510586829	3212.8469583304084	3210.6247561840064	3210.6247561840064	3210.6247561840064	148.2483407028226
233	273151	-217821.1413	791917.3170250766	39.5417075680455	-101.5713669	179034.39834877646	4380051.10721452	3514.878285156598	3348.748253156598	3211.519177	3204.82868	3204.82868	3204.82868	148.2483407028226
234	273151	-217161.1413	791917.3170250766	39.54172245471119	-101.5690281	179235.45405212895	4380047.0090701678	3514.233691	3346.830494083008	3208.946001879655	3211.4841909803215	3211.4841909803215	3211.4841909803215	148.90241845875798
235	273151	-216501.1413	791917.3170250766	39.541737301596214	-101.5666892	179436.509833587	4380042.91763708	3513.8804919789048	3345.99372898048	3208.946001879655	3211.4841909803215	3211.4841909803215	3211.4841909803215	148.90241845875798
236	273151	-215841.1413	791917.3170250766	39.54175210005974	-101.5643504	179637.5648074975	4380038.364225805	3513.47740748954	3344.074734803358	3208.946001879655	3211.4841909803215	3211.4841909803		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SurfBothKrg.	SatBothKrg.	
321	273	160101	-1579471.1413	791917	31.70250766	39.5428448973938646	-101.3655468	29676.49125456257	4739991.86810876	3184.142226588745	3204.05003184485675	3112.1852214594423	3109.82701489043925	91.86481038512511	94.26728294017494
322	273	160102	-159081.1413	791917	31.70250766	39.542855790274489	-101.3632079	296927.5286	4739997.796589403	3382.255767101737	3202.960336126297	3110.61809639169	3108.103038429247	92.76304377129487	94.80269976695057
323	273	160103	-158421.1413	791917	31.70250766	39.5428666979747515	-101.360889	297128.5697904354	4739993.72397083	3371.5437421568538	3201.752849690001173	3108.073891104583	3102.5878913811937	95.165487813811937	95.165487813811937
324	273	160104	-157761.1413	791917	31.70250766	39.54287478400771	-101.3585301	297329.607672244	4739976.651	3381.6749840315	3200.58147	3108.108223425055	3105.2576923366737	92.4926047420842	95.3305448011626
325	273	160105	-157101.1413	791917	31.70250766	39.5428868186547	-101.3561912	297530.63963963475	4739767.57933277	3381.8716310811424	3199.420831163005	3106.810854196114	3104.07572626392	92.6801841199708	95.33531205249847
326	273	160106	-156441.1413	791917	31.70250766	39.54289890544073	-101.3538523	297731.671130877	4739761.362	3382.095277	3198.22811409394	3105.552523732616	3103.642947423201	92.6628765703576	94.5711636819645
327	273	160107	-155781.1413	791917	31.70250766	39.54290968	-101.3515134	297932.172489954	4739767.46248193	3381.274374718386	3197.0169384199703	3104.241172976251	3102.4904804049497	92.77565443551	94.52646537502064
328	273	160108	-155121.1413	791917	31.70250766	39.54292032434378	-101.3491745	298133.7487	4739766.36301029	3379.40892354834	3195.7990358258844	3102.868974258515	3102.5019035013403	92.93006156	94.94389587876011
329	273	160109	-154461.1413	791917	31.70250766	39.54293092147151	-101.3468936	298334.784677338	4739769.294	3377.5437421568538	3194.568439981783	3101.933687	3099.1515645908783	93.1732722044555	95.165487813811937
330	273	160110	-153801.1413	791917	31.70250766	39.54294147301467	-101.3444957	298535.520429939	4739765.22324709	3375.678021298937	3193.201871713569	3099.880909369724	3097.124250507379	93.1732722044555	95.165487813811937
331	273	160111	-153141.1413	791917	31.70250766	39.54295118981849	-101.3421577	298736.85611447296	4739765.133	3374.0882484172513	3192.050090801634	3098.469169736756	3095.291478050393	93.5894004686796	96.7672677
332	273	160112	-152481.1413	791917	31.70250766	39.54296244176446	-101.3398188	298937.8915017269	4739764.08233033	3372.741712994286	3190.7825682760295	3097.57680216534	3095.27192483248	93.2058981437609	95.5647585770335
333	273	160113	-151821.1413	791917	31.70250766	39.54297285816184	-101.3374799	299138.9286919716	4739761.019129817	3370.469911713205	3188.4989933893826	3097.460798442388	3096.090764712906	92.9201943699381	93.39991692
334	273	160114	-151161.1413	791917	31.70250766	39.5429832937658	-101.335141	299339.3616825463	4739763.4282886	3370.146009343519	3188.2639593143	3098.2536688311	3098.2536688311	92.9201943699381	95.5647585770335
335	273	160115	-150501.1413	791917	31.70250766	39.54299355540864	-101.3328021	299540.99648181186	4739764.87258463	3368.9395051419	3188.86743465365	3100.4526969375004	3101.043725428701	93.39991692	95.5647585770335
336	273	160116	-149841.1413	791917	31.70250766	39.5430038625902	-101.3304632	299742.0310817695	4739763.803103272	3367.83922280511	3185.514673515228	3098.86918111361	3099.591427170567	95.5647585770335	95.5647585770335
337	273	160117	-149181.1413	791917	31.70250766	39.54301407192474	-101.3281243	299943.0564564427	4739762.7338885	3366.738891503693	3184.154507906308	3098.5072967768338	3098.0485106469675	95.5647585770335	95.5647585770335
338	273	160118	-148521.1413	791917	31.70250766	39.543024262408736	-101.3257854	300144.09969332034	4739762.66741914	3365.638097369653	3182.777547450873	3092.990253052505	3095.043191072431	98.7501420356682	98.7501420356682
339	273	160119	-147861.1413	791917	31.70250766	39.54303440770998	-101.3234465	300345.1373051098	4739761.59569012	3364.213198254944	3181.3854024884718	3091.135427200648	3091.228490284986	90.2499752878237	90.15691165898579
340	273	160120	-147201.1413	791917	31.70250766	39.543045048702848	-101.3211076	300546.17562122145	4739761.419572373095	3362.616958618806	3179.979574711084	3089.93526136284453	3089.719947	90.34622648174309	90.34622648174309
341	273	160121	-146541.1413	791917	31.70250766	39.5430546276419	-101.3187688	300747.20141185894	4739760.458905615	3360.7105977330673	3178.9173939768	3178.9173939768	3178.9173939768	90.15691165898579	90.15691165898579
342	273	160122	-145881.1413	791917	31.70250766	39.54306545721712	-101.3164297	300948.2345672266	4739760.390770828	3358.95293686733	3177.1337878623087	3177.1337878623087	3177.1337878623087	90.15691165898579	90.15691165898579
343	273	160123	-145221.1413	791917	31.70250766	39.5430762976782	-101.3140849	301162.267938738	4739760.327938738	3358.10786219234	3176.154545414737	3176.154545414737	3176.154545414737	90.15691165898579	90.15691165898579
344	273	160124	-144561.1413	791917	31.70250766	39.543087445547824	-101.3117519	301350.3003298316	4739759.25051934	3358.13794032319	3174.259855773094	3174.259855773094	3174.259855773094	90.15691165898579	90.15691165898579
345	273	160125	-143901.1413	791917	31.70250766	39.5430983436796506	-101.309413	301551.3366737835	4739759.187532912	3358.17343430097	3172.8258909117885	3085.2150120670008	3085.30848	98.4701881249018	98.4701881249018
346	273	160126	-143241.1413	791917	31.70250766	39.54310415970054	-101.3070471	301752.3663201375	4739759.12	3358.210329	3171.406218832999	3084.724971837482	3084.8121235185	98.4701881249018	98.4701881249018
347	273	160127	-142581.1413	791917	31.70250766	39.54311394353922	-101.3047352	301953.9872725354	4739759.035125174	3357.3803273626854	3170.015062198899	3084.158855519929	3084.325663616977	98.4701881249018	98.4701881249018
348	273	160128	-141921.1413	791917	31.70250766	39.543123682194995	-101.3023962	302154.413033566	4739759.068246644	3356.684130507503	3168.668825013064	3083.617521831607	3083.617521831607	98.4701881249018	98.4701881249018
349	273	160129	-141261.1413	791917	31.70250766	39.54313337396782	-101.3001673	302355.4630945911	4739759.0198495911	3356.10786219234	3167.86825893524	3082.969851811361	3082.969851811361	98.4701881249018	98.4701881249018
350	273	160130	-140601.1413	791917	31.70250766	39.5431430239678	-101.2977184	302557.494952218	4739759.03141185	3355.71277979174	3166.110541642737	3082.193471624087	3082.193471624087	98.4701881249018	98.4701881249018
351	273	160131	-139941.1413	791917	31.70250766	39.5431526706468	-101.2953795	302757.5266243492	4739759.789012108	3355.047418222497	3164.8845486209	3079.5472665571013	3079.5472665571013	98.4701881249018	98.4701881249018
352	273	160132	-139281.1413	791917	31.70250766	39.5431621848863	-101.2930406	302958.5812644516	4739759.622009238	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
353	273	160133	-138621.1413	791917	31.70250766	39.54317169772958	-101.2907016	303159.5894174472	4739759.65106552	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
354	273	160134	-137961.1413	791917	31.70250766	39.5431811625782	-101.2883627	303360.6201565014	4739759.58928991	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
355	273	160135	-137301.1413	791917	31.70250766	39.543190587652416	-101.2860238	303561.651242125916	4739759.58928991	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
356	273	160136	-136641.1413	791917	31.70250766	39.5431998455428	-101.2836849	303762.821644526	4739759.49504263	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
357	273	160137	-135981.1413	791917	31.70250766	39.543209268307	-101.281346	303963.7125552636	4739759.3940970795	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
358	273	160138	-135321.1413	791917	31.70250766	39.5432185638874	-101.279007	304164.7248945901	4739759.3940970795	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
359	273	160139	-134661.1413	791917	31.70250766	39.54322783233134	-101.2766681	304365.73118854	4739759.3265	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
360	273	160140	-134001.1413	791917	31.70250766	39.54323702179078	-101.2743292	304566.803067177	4739759.3265	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
361	273	160141	-133341.1413	791917	31.70250766	39.54324671730676	-101.2719903	304767.8328219077	4739759.3265	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
362	273	160142	-132681.1413	791917	31.70250766	39.54325527916021	-101.2696513	304968.682852131	4739759.07212641	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
363	273	160143	-132021.1413	791917	31.70250766	39.5432644907016	-101.267312	305169.7329391825	4739759.1645670795	3354.9468607740887	3078.83958218582	3078.83958218582	3078.83958218582	98.4701881249018	98.4701881249018
364	273	160144	-131361.1413	791917	31.70250766	39.54327335									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRElevBothKrg.f	BRElevBothKrg.f	SatThKlog.f	SatThBoth.f
447	273	76581.14133		7917191.72050766	35.43486415096667	-101.0708408	322255.6986037092	4379180.43736403	3200.97355339888	2957.7821336642654	2957.606569916851	2957.606569916851	87.82827331570645	80.05884004112067
448	273	76592.14133		7917191.72050766	35.434869371251645	-101.068918	32256.7124974624	4379176.392	318.69642121127	3036.604195396616	2956.100698702055	2956.100698702055	80.49631976965611	80.767387656421
449	273	76603.14133		7917191.72050766	35.43487454635227	-101.0661628	32267.72821796106	4379172.34712338	318.611888691228	3035.527992273776	2956.7033114772851	2956.7033114772851	81.49187153361987	81.49187153361987
450	273	76610.14133		7917191.72050766	35.43487676268496	-101.063829	32268.7397651411	4379163.30211588	314.13155686006	3034.434720237177	2953.7066752	2953.7066752	82.3479504475726	82.3479504475726
451	273	76731.73941.14133		7917191.72050766	35.43488761000356	-101.0614849	32269.57140017786	43791624.25725963	318.7614776998453	3033.317344184654	2951.257147761083	2950.5710693632786	82.0596294285458	82.74627482137521
452	273	76732.73281.14133		7917191.72050766	35.4348898	-101.059146	32306.7663419613	43791620.21353646	318.801761845083	3032.170477951675	2948.1030747148957	2948.6210632377923	83.54827907	83.54827907
453	273	76733.72621.14133		7917191.72050766	35.43488761000356	-101.056807	32361.77937152336	4379156.12020773	318.666228693021	3030.9880692480774	2947.184745086684	2947.184745086684	83.032416139345	84.4935089722913
454	273	76734.71961.14133		7917191.72050766	35.43489974408954	-101.054468	32362.79228832	4379156.12020773	318.753045355583	3029.7645118871794	2945.567336848794	2943.428945876521	84.1969372	84.3356599406296
455	273	76735.71361.14133		7917191.72050766	35.4348946	-101.0521291	32363.8046112326	4379156.12020773	318.751861543477	3028.614338581	2943.428945876521	2943.428945876521	84.1969372	84.3356599406296
456	273	76736.70411.14133		7917191.72050766	35.4349059589362	-101.0497501	32364.8174275806	4379144.039047818	317.703690227713	3027.190190759565	2942.068813720994	2942.068813720994	85.12735950928	85.89897845745261
457	273	76737.69981.14133		7917191.72050766	35.43491432	-101.0474511	32406.5287696305	4379146.98374128	316.74262208837	3025.84932865037	2940.488847650815	2934.292483968705	85.3630452142127	91.5569628632124
458	273	76738.69231.14133		7917191.72050766	35.43491908859925	-101.0451122	32426.8143939253	4379135.951674396	316.854430425004	3024.47979654438	2939.077165	2934.693621701029	85.430249689174	89.78617795340915
459	273	76739.68661.14133		7917191.72050766	35.4349238121876	-101.042732	32467.8540391113	4379131.90881469	316.9503365005484	3023.087411634186	2938.0067977286544	2934.96617435471	85.40086343475417	88.1261745187961
460	273	76740.68001.14133		7917191.72050766	35.4349302490725	-101.0404342	32468.86586738296	4379127.68	316.080055271804	3021.67621385899	2936.739131134764	2935.030384917999	84.9374902113493	86.6385844380018
461	273	76741.67341.14133		7917191.72050766	35.4349312317827	-101.038063	32489.8752448873	4379123.823748873	315.875947455517124	3020.2488746889798	2934.7338191789	2934.7338191789	85.1549270466073	85.1549270466073
462	273	76742.66681.14133		7917191.72050766	35.43493771	-101.035763	32570.88901177177	4379118.71336898	314.8394355248644	3018.80673856254	2934.5806907182096	2934.5806907182096	84.742185	84.742185
463	273	76743.66021.14133		7917191.72050766	35.4349422533989	-101.0334173	32571.90032829966	4379115.739524814	314.771978542321	3017.3584456802474	2933.8191524591634	2933.0345674829152	83.9328912	84.2989309733219
464	273	76744.65361.14133		7917191.72050766	35.4349467533385	-101.0310783	32547.91147456786	4379111.69774694	314.553435703815	3015.89842955077	2932.789265462479	2932.789265462479	83.1095804462479	83.1095804462479
465	273	76745.64701.14133		7917191.72050766	35.43495120283456	-101.0287394	32567.9224510535	4379107.656202454	314.371868865397	3014.41389942222	2931.7359781266555	2931.5056067061195	82.7504118156655	82.7504118156655
466	273	76746.64041.14133		7917191.72050766	35.43495560984874	-101.0264004	32574.9333	4379103.614851025	314.2206848	3012.882917396248	2930.63909613409	2930.639170871194	82.3482126	82.3016701452862
467	273	76747.63381.14133		7917191.72050766	35.4349697162897	-101.0240614	32670.75439497472	4379099.53725637	311.565349551132341	3011.524489011369	2929.6534690421027	2929.5947382890315	81.9701028919377	81.93021928905247
468	273	76748.62271.14133		7917191.72050766	35.43496428824294	-101.0217225	32672.96452651035	4379093.3288110475	314.3035277	3010.06850801769	2928.451053182242	2928.02763938041	81.72840328953457	82.0367446685476
469	273	76749.63401.14133		7917191.72050766	35.4349697162897	-101.0196129	32684.9924122268	4379091.492112268	311.51098960402	2909.8736544116	2907.49674983	2907.49674983	82.3772903515179	82.3772903515179
470	273	76750.61401.14133		7917191.72050766	35.434972758563254	-101.0170405	32679.9747907673	4379087.451629465	307.1623240871054	2908.689305567867	2905.4963730022	2904.273933301184	81.68195671708327	81.68195671708327
471	273	76751.60741.14133		7917191.72050766	35.4349766995559	-101.0147055	32685.98479516914	4379081.31362459	313.6809475243136	3005.711607134587	2904.460880594473	2904.1795104833061	81.2507216311939	81.2507216311939
472	273	76752.60081.14133		7917191.72050766	35.434981072637325	-101.0123666	32780.9945	4379079.373121291	313.5367901207446	3004.2636308892	2922.477858927976	2922.477858927976	81.78571766100604	81.0791410969375
473	273	76753.59421.14133		7917191.72050766	35.43498519	-101.0100276	32782.0014681912	4379075.33147598	313.4661404993566	3002.81856366095	2922.6017705499503	2922.841052405203	80.6216611095472	80.6216611095472
474	273	76754.58761.14133		7917191.72050766	35.434989238925916	-101.007886	32783.0162416169	4379071.291856453	313.361491987598	3001.376205159515	2921.82759504388	2919.431184	79.548861012	81.94502147138473
475	273	76755.58011.14133		7917191.72050766	35.43499238922916	-101.0053897	32784.9924122314	4379067.252497268	312.9174746977428	2999.36847382874	2920.2531851038255	2919.73975567870097	79.8832518794848	81.94502147138473
476	273	76756.57471.14133		7917191.72050766	35.43499719434853	-101.0030107	32786.913245691	4379063.213546891	312.6931327457349	2998.45949150312	2919.73975567870097	2917.1625	81.94502147138473	81.94502147138473
477	273	76757.56781.14133		7917191.72050766	35.45000110428333	-101.0006717	32880.640985482	4379059.174292815	313.5370424226175	2997.0634967566007	2915.99535886621	2915.7715000525814	81.0814089697974	81.2919670041031
478	273	76758.56121.14133		7917191.72050766	35.45000496093352	-100.9983327	32887.0497710472	4379053.3536351	313.440985899555	2995.621576940152	2915.91533091405	2915.91533091405	79.7138246	81.29697486700227
479	273	76759.55461.14133		7917191.72050766	35.4500079	-100.995938	32888.0583954204	4379051.09696033	312.7512648267786	2994.194291526475	2915.560497	2912.393747619576	80.6337941453845	81.001805438
480	273	76760.54801.14133		7917191.72050766	35.4500125629004	-100.9936548	32888.0688411577	4379047.059	312.755624046586	2992.758857674766	2914.04625525813	2914.04625525813	81.7126024	81.71980981969697
481	273	76761.54141.14133		7917191.72050766	35.4500162917655	-100.9918138	32889.0517261002	4379043.206623545	312.37316215825943	2991.318784911914	2913.687857696682	2913.687857696682	82.04473746852247	82.04473746852247
482	273	76762.53441.14133		7917191.72050766	35.450019761893	-100.989768	32901.08244547	4379041.98249159	311.91098960402	2990.8736544116	2910.703527762467	2910.703527762467	82.3772903515179	82.3772903515179
483	273	76763.52821.14133		7917191.72050766	35.45002312511503	-100.9866379	32922.0911967872	4379035.94461733	311.556310156168	2988.42547922081	2909.340123	2909.522071526483	79.8035645442812	79.8035645442812
484	273	76764.52161.14133		7917191.72050766	35.45002720865427	-100.984298	32943.09882439	4379030.903703013	311.20244147817906	2986.96706677554	2907.961800328087	2907.961800328087	79.8035645442812	79.8035645442812
485	273	76765.51001.14133		7917191.72050766	35.4500307715154	-100.9819599	32964.106632486	4379026.87024805	310.941984807413	2985.49350178168	2906.6384289511634	2906.6384289511634	84.7446517332426	84.7446517332426
486	273	76766.50841.14133		7917191.72050766	35.45003426038813	-100.9796209	32985.1140579097	4379022.83523303	310.679822133036	2984.9941131053228	2904.9941142776643	2904.9941142776643	79.0919703	86.22224714392414
487	273	76767.50181.14133		7917191.72050766	35.4500371847651	-100.977282	33006.1213471298	4379018.796439274	310.316573924897	2982.4921154017223	2904.032381	2903.88157691097	79.0919703	86.22224714392414
488	273	76768.49521.14133		7917191.72050766	35.45004113	-100.974943	33029.12847117047	4379014.76	309.8484936730543	2980.95533871	2903.96196730543	2903.96196730543	79.739178452407	79.739178452407
489	273	76769.48801.14133		7917191.72050766	35.45004599919	-100.972683	33051.175927561	4379012.42457345	309.703127457345	2979.8318182224	2903.96196730543	2903.96196730543	81.1515154015	81.1515154015
490	273	76770.48201.14133		7917191.72050766	35.45004782163349	-100.9707265	33072.442221293	4379006.687289921	309.49170170112553	2978.7881196731	2902.96587495633	2902.96587495633	79.739178452407	79.739178452407
491	273	76771.47541.14133		7917191.72050766	35.45005108983054	-100.967926	33090.1488537286	4379005.651338178	308.940546818716	2976.153948477908	2899.92602711871	2899.92602711871	79.739178452407	79.739178452407
492	273	76772.46881.14133		7917191.72050766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SatHtLogs.	SatHtBoth.
573	271853	6578.858673073351	791917.3170250766	39.54416607767525	-100.7761295	347382.1507622346	4378672.436452957	2954.2877820529948	2945.2877820529948	2945.3495988672236	2782.903412439153	2795.744149163151	64.4261774330835	63.50180982047246
574	273	8046	7238.858673073351	791917.3170250766	39.54416590483025	-100.7737059	347383.14757934736	736968.41815732349	2953.03074400713043	2945.1742043083747	2782.0066566666667	2805.7156038141306	66.10727720936945	42.45233909442405
575	271855	7698.858673073351	791917.3170250766	39.54416586950151	-100.7746135	347784.1329991262	4378684.32107262	2951.128956	2946.981320249148	2781.30964111003	2807.6840683721783	28.98427387431897	39.8247387431897	57.05114200651412
576	273	8056	8558.858673073351	791917.3170250766	39.544164523137825	-100.7691125	347965.13268376363	736968.362857233	2948.580588332017	2845.814208038716	2780.566757	2806.194909581304	64.25454055	39.61921308044566
577	273	8057	9218.858673073351	791917.3170250766	39.54416391458804	-100.7667735	348186.1259254678	736968.3642381	2946.03118666663	2844.622818665035	2779.803396362484	2802.180122405783	64.5814226025363	42.44266559294745
578	273	8058	9878.858673073351	791917.3170250766	39.5441632608392	-100.7644346	348387.1192004248	736968.342030791	2943.417347849925	2843.4173842334124	2797.68325398068	64.5884202372002	45.7300544426442	
579	273	8059	10538.858673073351	791917.3170250766	39.54416256193489	-100.7620956	348588.111968845	736968.3199008	2941.88059895058	2842.184450209528	2777.8699815270256	2792.540180363526	49.64427890321626	49.64427890321626
580	273	8060	11198.858673073351	791917.3170250766	39.54416181783095	-100.7597566	348789.1047171028	736968.341408958	2941.196909505	2840.9287676703743	2776.692377382756	2787.42949430265	64.236390303969	53.4992743794923
581	273	8061	11898.858673073351	791917.3170250766	39.54416102654283	-100.7574176	348989.9742710484	736968.3278338113	2940.513709318104	2840.94316973966	2775.40667176438602	2782.59227763452	64.23465212600871	57.05114200651412
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609	273	8089	30338.858673073351	791917.3170250766	39.5441205832713	-100.6919261	354617.838368684	736968.020356566	2896.880146529709	2797.286959892214	2728.5712025406	2728.5712025406	68.54652296470818	68.54652296470818
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615	273	8095	34298.858673073351	791917.3170250766	39.5441075038713	-100.677932	355823.751271682	736968.06032378	2887.94439021624	2787.24943081624	2719.90734162327	2719.90734162327	67.84387391251676	67.84387391251676
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.L.t	BREVeLog.sft	BREVelbThs.ft	SurfThs.ft	SurfBth.ft	
69	273	19179	8978.8586773035	71917.13170250766	39.54375065	-100.4814818	372706.2631068417	4738167.8483808655	2788.4731373726616	27467.100171383181	2596.448285315197	2598.1221068876055	51.011886067983924	49.87206269557555
700	273	19180	8978.8586773035	71917.13170250766	39.5437443892825	-100.4790797	372907.3947692647	4738163.857317045	2790.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
701	273	19181	8978.8586773035	71917.13170250766	39.54374011223	-100.4790797	373108.1925552697	4738165.857317045	2792.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
702	273	19182	8978.8586773035	71917.13170250766	39.54373201592181	-100.4740017	373309.1925552697	4738165.857317045	2794.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
703	273	19183	8978.8586773035	71917.13170250766	39.54372511411045	-100.4762628	373511.1925552697	4738165.857317045	2796.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
704	273	19184	8978.8586773035	71917.13170250766	39.54371936711349	-100.4697238	373711.1454297599	4738171.895200879	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
705	273	19185	8978.8586773035	71917.13170250766	39.5437129740355	-100.4673489	373912.1162105096	4738173.905200879	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
706	273	19186	8978.8586773035	71917.13170250766	39.54371063757068	-100.4650459	374113.0962114077	4738179.91542494	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
707	273	19187	8978.8586773035	71917.13170250766	39.54370005422755	-100.46207	374314.0735	4738193.925857378	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
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710	273	19190	8978.8586773035	71917.13170250766	39.54368032367400	-100.455691	375101.000365506	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
711	273	19191	8978.8586773035	71917.13170250766	39.54367372980806	-100.453351	375117.975875154	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
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714	273	19194	8978.8586773035	71917.13170250766	39.5436534120349	-100.446343	375720.90135515	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
715	273	19195	100298.8586773035	71917.13170250766	39.54364568901517	-100.443983	375921.8783317314	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
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722	273	2002	104598.8586773035	71917.13170250766	39.54359741273	-100.427383	377328.67163215	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
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727	273	2007	10828.8586773035	71917.13170250766	39.54356092	-100.415928	378333.569467299	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
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731	273	2011	110588.8586773035	71917.13170250766	39.54353091868851	-100.406722	379173.45945071545	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
732	273	2012	111158.8586773035	71917.13170250766	39.54352330654378	-100.404232	379338.432024998	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
733	273	2013	112178.8586773035	71917.13170250766	39.5435156429155	-100.401843	379539.4032340756	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
734	273	2014	11238.8586773035	71917.13170250766	39.54351067492038	-100.399553	379740.377616473	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
735	273	2015	11348.8586773035	71917.13170250766	39.54350019007106	-100.397216	379941.359665255	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
736	273	2016	11398.8586773035	71917.13170250766	39.5434926544172	-100.394883	380142.3694215458	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
737	273	2017	11418.8586773035	71917.13170250766	39.5434854680642	-100.392585	380343.295442106	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
738	273	2018	114578.8586773035	71917.13170250766	39.54347668417677	-100.390199	380544.2677080286	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
739	273	2019	116138.8586773035	71917.13170250766	39.54346876836732	-100.387806	380745.238660059	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
740	273	2020	116798.8586773035	71917.13170250766	39.54346078272336	-100.385527	380946.211988549	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
1	274	2021	117091.8586773035	72577.13170250766	39.53844902452365	-100.383172	381237.3208879814	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
2	274	2022	-70281.1413	72577.13170250766	39.538870275129485	-100.381167	381582.453238429	4738213.958	2798.64720111418	2596.467876143386	2596.1166814792324	2593.4787486378315	52.02712716551241	51.009176683114
3	274													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfBotH.ft
85	274	20105	-315601.1413	72527.31720250766	35.404818582421636	-0.19175729	249279.7789338222	4380860.382389471	3769.1257907800273	35.361821820777023	3441.5309373038376	3441.1269885409656	98.0872809336647	98.4912296673667
86	274	20106	-314841.1413	72527.31720250766	35.40480156585359	-0.19151903	249480.8649647645	4380860.258189327	3767.581849181939	35.32814238190068	3441.319403406574	3440.9465	96.84048758654539	97.1744377482658
87	274	20107	-314181.1413	72527.31720250766	35.40486182907963	-0.19126816	249881.36815239025	4380860.13420894	3764.9230045355957	35.26587310425798	3441.369176326287	3441.14860214737	95.2272927689701	95.82510072780619
88	274	20108	-313521.1413	72527.31720250766	35.40488318	-0.19105129	249883.0470	4380860.01405914	3761.151176	35.35122570553296	3441.373436805515	3441.373436805515	93.7070397182833	94.17781889891454
89	274	20109	-312861.1413	72527.31720250766	35.40490641629198	-0.19081742	250084.1368711284	4380860.88660754	3757.367870179103	35.333768156017095	3442.5603389103816	3442.669408815757	91.19787173	91.0887472133353
90	274	20110	-312201.1413	72527.31720250766	35.40493607181882	-0.19058354	250285.2256347658	4380839.367587593	3753.60239732263	35.32170782325983	3443.4548070909201	3443.751138126567	88.5724032339751	88.95694410004163
91	274	20111	-311541.1413	72527.31720250766	35.40494736	-0.19030492	250486.31400312751	4380835.640473427	3751.5366054102024	35.30971001381176	3443.8211661187553	3443.669408815757	87.04893514442074	86.53678568661412
92	274	20112	-310881.1413	72527.31720250766	35.4049686734335	-0.19011158	250687.4027211381	4380831.517587246	3751.16880492031	35.294392916050083	3442.429565617121	3444.058437958999	86.09705878717	85.38094365
93	274	20113	-310221.1413	72527.31720250766	35.40498992734091	-0.18988193	250888.4969446847	4380827.904802923	3749.81836347134	35.2819764683106	3443.330041664921	3443.330041664921	85.66982601	84.66538865719303
94	274	20114	-309561.1413	72527.31720250766	35.40511142116201	-0.18964806	251089.5782147428	4380822.2747114	3750.436204057498	35.26893750274988	3440.306857702056	3441.3473151501786	86.285349782859	85.2457519
95	274	20115	-308901.1413	72527.31720250766	35.405103231180553	-0.18941418	251290.2681520457	4380819.150254257	3748.95260184351	35.2525178858903611	3437.225451491081	3438.491265410611	86.68732024707001	86.3208520717507
96	274	20116	-308241.1413	72527.31720250766	35.40510336274495	-0.18918031	251491.7539373287	4380815.022232238	3746.390172795647	35.23769659609075	3434.117324790101	3435.707219741746	86.9566911708643	86.06274621916145
97	274	20117	-307581.1413	72527.31720250766	35.40514755155681	-0.18894644	251692.8411265904	4380810.906440879	3743.815085409484	35.222366519139286	3431.182691	3431.054043	87.13182822	86.9127463727599
98	274	20118	-306921.1413	72527.31720250766	35.40510954968405	-0.18871257	251893.0287030525	4380806.748846486	3741.2399990182404	35.20677104190996	3428.447052140624	3428.6728546493478	90.2485020503716	90.2485020503716
99	274	20119	-306261.1413	72527.31720250766	35.405111653961844	-0.18847869	252095.0147688165	4380803.765314895	3737.795953371304	35.19193779	3425.865263375996	3428.46519170007	93.7085156445938	93.1295989858036
100	274	20120	-305601.1413	72527.31720250766	35.40511374627965	-0.18824482	252296.1012211927	4380778.542380436	3733.487105351274	35.181849801117045	3423.339525164895	3424.80715634615	94.8489559	93.277171245064
101	274	20121	-304941.1413	72527.31720250766	35.40511583690406	-0.18801095	252497.18743608073	4380790.421464805	3729.177143690303	35.161801812042878	3420.97087169397	3422.913386459545	95.8304035	93.8884336992738
102	274	20122	-304281.1413	72527.31720250766	35.40511792437167	-0.18777077	252698.2739449847	4380790.30766091	3724.186781387787	35.15426692039513	3418.4847637637836	3420.95802101767	94.6486711023562	93.466711023562
103	274	20123	-303621.1413	72527.31720250766	35.40520004	-0.1875432	252899.5911383646	4380786.180290285	3720.844037	35.140626129481725	3416.382377684842	3419.177119850644	97.6802359330576	94.8854093750086
104	274	20124	-302961.1413	72527.31720250766	35.40521208056523	-0.18730933	253100.4445889119	4380782.06013971	3717.103638732693	35.12709450410658	3414.0684582175327	3417.7805653840254	96.260292125338	94.9288602632622
105	274	20125	-302301.1413	72527.31720250766	35.4052145123353095	-0.18707545	253301.5289189258	4380777.939991362	3713.368701190838	35.113695985062962	3411.7125323989617	3416.360208730452	96.6534235614353	95.0909454295102
106	274	20126	-301641.1413	72527.31720250766	35.4052162196233006	-0.18684158	253502.6149070822	4380773.501207327	3708.631035046067	35.101301471067004	3408.5304946608	3410.6035087107587	97.435533662229	94.9488801
107	274	20127	-300981.1413	72527.31720250766	35.40521792375585	-0.18659717	253703.6897009293	4380769.70004983	3705.892153131825	35.08870718	3407.334867452329	3410.7081790589999	97.1081790589999	96.3125073089019
108	274	20128	-300321.1413	72527.31720250766	35.40521904310167	-0.18637283	253904.784050743	4380765.581184906	3703.5517760351554	35.073875741205	3405.342012300005	3410.830755730374	102.0517451024462	94.925006762676
109	274	20129	-299661.1413	72527.31720250766	35.40522334273038	-0.1861396	254105.8683071115	4380761.46202092	3694.684299741484	35.060895237930067	3402.929484056694	3412.7173361	103.1600379273733	93.76248476688
110	274	20130	-299001.1413	72527.31720250766	35.40523444355017	-0.18590068	254306.95232131705	4380757.343017335	3689.453877859134	35.047946375597	3400.444777883451	3412.6189138148293	104.3586579214601	95.9157055237465
111	274	20131	-298341.1413	72527.31720250766	35.40523648207629	-0.18567221	254508.03090230058	4380753.22437425	3682.2282837910197	35.035087161299025	3397.891198547256	3410.6044760706702	105.617510465546	88.9042450029309
112	274	20132	-297681.1413	72527.31720250766	35.405238523713424	-0.18543833	254709.1196206608	4380749.105393658	3678.000844728136	35.023320624505	3395.229624003402	3414.9618967665	107.00145851304296	87.2694237487533
113	274	20133	-297021.1413	72527.31720250766	35.405240654017333	-0.18520446	254910.2026006646	4380745.7895645831	3673.789564696251	35.009268898989	3392.145744393937	3408.590898989	113.1548265542971	86.174355542971
114	274	20134	-296361.1413	72527.31720250766	35.40524276547196	-0.18497058	255112.88946527	4380741.89494507	3669.700718	35.00070718	3400.444777883451	3410.6044760706702	105.617510465546	88.9042450029309
115	274	20135	-295701.1413	72527.31720250766	35.40524486715611	-0.18473671	255312.36875211782	4380736.751628745	3662.01508101257	34.9845087017683	3386.467525040843	3393.834377631628	111.81122451359589	86.1001360350558
116	274	20136	-295041.1413	72527.31720250766	35.40524664388906	-0.18450283	255513.513120731	4380732.3396075	3656.1310599401765	34.96719309057506	3383.5189291496026	3386.826791716187	113.679461789079	107.3175993937109
117	274	20137	-294381.1413	72527.31720250766	35.40524866142494	-0.18426896	255714.5337039898	4380728.517	3650.268018186833	34.955971998671853	3381.4701404707134	3382.5254865567	114.4870504054718	113.34373532054835
118	274	20138	-293721.1413	72527.31720250766	35.40525067448244	-0.18403508	255915.61807382	4380724.39385107	3644.362543697237	34.9272036930424	3380.315481368238	3380.7801664895801	115.0916562140551	114.0142205746537
119	274	20139	-293061.1413	72527.31720250766	35.405252681007389	-0.18380121	256116.8647319467	4380720.26240835	3637.07666315548	34.9042557495961	3378.2258510419522	3379.48737240601	114.25990680966254	114.0338270904604
120	274	20140	-292401.1413	72527.31720250766	35.405254766407196	-0.18356733	256317.77928035	4380716.155511348	3631.28613665043	34.8824547403056	3376.124574393937	3376.124574393937	114.1438265542971	113.764355542971
121	274	20141	-291741.1413	72527.31720250766	35.405256887	-0.18333245	256518.86059211384	4380712.049112639	3624.689163081188	34.8619474393636	3374.9567848133635	3374.9567848133635	114.0924950622252	113.76248476688
122	274	20142	-291081.1413	72527.31720250766	35.40525891533895	-0.18309958	256719.8417056329	4380707.93279702	3622.00717379639	34.84933921912126	3375.8093715465757	3376.37409386376	114.02060446369	113.416298502866
123	274	20143	-290421.1413	72527.31720250766	35.40526106720044	-0.1828657	256921.0225788033	4380703.816691523	3616.09501878361	34.82606502037853	3374.3997022096714	3375.102637254746	114.22634782411387	113.5237309003719
124	274	20144	-289761.1413	72527.31720250766	35.40526305793146	-0.18263183	257122.10321182493	4380696.70089104	3610.960202275833	34.80421335541525	3372.861188844202	3373.769893384816	115.0916562140551	114.22634782411387
125	274	20145	-289101.1413	72527.31720250766	35.4052651663881164	-0.18239795	257323.133624004	4380695.58514538	3607.88258195305	34.7862110044	3371.12933100404	3371.995480269045	115.0916562140551	114.22634782411387
126	274	20146	-288441.1413	72527.31720250766	35.405267163013076	-0.18216407	257524.26375825785	4380691.469700504	3604.695035905273	34.76548746270196	3369.5304815417446	3369.968485490314	115.0505275727301	115.0505275727301
127	274	20147	-287781.1413	72527.31720250766	35.40526926877196	-0.18193077	257725.3687160282	4380687.947474807	3601.76941758083	34.7439611929417	3368.03121708174	3368.03121708174	114.96942034763	114.96942034763
128	274	20148	-287121.1413	72527.31720250766	35.40527105557339	-0.18169632	257926.423345824	4380683.23946838	3598.682125680498	34.72248377	3366.03105697004	3365.018565146493	114.96942034763	114.96942034763
129	274	20149	-286461.1413	72527.31720250766	35.405272519041895	-0.18146244	258							

ix	iy	ic21	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.ft	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
210	214	22321	-232341.1413	72527.571720250766	39.54318141238166	-101.6228414	274815.22259999254	4380342.456	3515.7621110902483	3385.548514471433	3235.863721930203	3233.363098086704	147.21424251422997	151.22204830702874
212	214	22322	-231681.1413	72527.571720250766	39.54319729611293	-101.6205205	274816.2826059049	4380338.36538889	3520.146804301267	3380.259202093236	3234.683527301289	3230.315951206377	148.1857497476466	152.94340869364932
213	214	22323	-231021.1413	72527.571720250766	39.5432131349634205	-101.6181636	275017.24299118116	4380334.26349634	3526.53148857700958	3381.9222967909684	3235.5486514467715	3235.9911626147384	148.32742526292682	156.331311342
214	214	22324	-230361.1413	72527.571720250766	39.54322892031767	-101.6155248	275218.4209	4380330.16627191	3532.9162302908845	3380.554204021319	3237.3568956216175	3219.988718202194	148.58350052196	160.5564859359418
215	214	22325	-229701.1413	72527.571720250766	39.54324468	-101.6134859	275419.462491293	4380326.07265369	3538.4870865306233	3379.1579715249675	3231.1871327685716	3213.77089994147	147.9708375708995	160.3872760152035
216	214	22326	-229041.1413	72527.571720250766	39.54326079323021	-101.6111147	275620.5219	4380323.714774024	3544.4441963360449	3377.32060174136	3229.829086212996	3207.908313908177	147.9708161528366	160.8218862393604
217	214	22327	-228381.1413	72527.571720250766	39.543276037544	-101.6088082	275821.581	4380317.8785544	3550.0012465478687	3376.2674904805	3226.897984601236	3204.5826398167083	149.36972466796124	171.65806395237657
218	214	22328	-227721.1413	72527.571720250766	39.54329164970379	-101.6064693	276022.6400967976	4380313.78355426	3558.558329459084	3374.766794494038	3225.789358303636	3204.067789564343	170.6989783790754	170.6989783790754
219	214	22329	-227061.1413	72527.571720250766	39.54330722	-101.6041304	276223.49842753294	4380309.88420359	3568.376618743052	3373.224143207248	3224.652688649656	3206.281708713615	148.59487522527843	165.944011588473
220	214	22330	-226401.1413	72527.571720250766	39.54332272945362	-101.6017619	276424.7573326524	4380305.59352404	3575.456213409112	3371.63745	3223.352041458403	3208.869396369847	148.2847029125737	162.7693811583523
221	214	22331	-225741.1413	72527.571720250766	39.54333821655712	-101.5994527	276625.817118726	4380301.499	3584.535774	3370.00143800935	3222.705406011108	3211.06709828224	147.259683188273	158.934133971217
222	214	22332	-225081.1413	72527.571720250766	39.5433536847959	-101.5971138	276826.8738091181	4380299.404326096	3544.6153382527681	3368.3149837537817	3217.408595905755	3212.437367406057	146.5472141947062	155.8396162931249
223	214	22333	-224421.1413	72527.571720250766	39.54336935202999	-101.5947749	277027.93168729276	4380293.31	3541.8097499724693	3366.58049805833	3213.1334078528806	3211.454072635551	153.4472179183803	155.4472179183803
224	214	22334	-223761.1413	72527.571720250766	39.543384378133	-101.5924361	277228.98934591864	4380289.21620041	3540.11915890725	3364.8031397187942	3218.978633109386	3212.993020440632	154.82450606040822	151.8101194716039
225	214	22335	-223101.1413	72527.571720250766	39.543399316057	-101.5900972	277420.87485719873	4380285.12194929	3548.058288175693	3362.86669513538	3218.04783994159	3212.5936904847263	154.9301907157697	150.931045727095
226	214	22336	-222441.1413	72527.571720250766	39.54341492433605	-101.5877385	277631.100503406	4380281.02886918	3538.737865738113	3361.1382243274475	3217.1078655989	3212.294738	144.0302457174735	148.8434865338937
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246	214	22356	-209241.1413	72527.571720250766	39.54371046	-101.5410936	281652.202061494	4380199.20119185	3446.478700769176	3325.4374827456	3204.9084382474	3205.495702333846	123.26978135929103	121.4999906298429
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248	214	22358	-207921.1413	72527.571720250766	39.5437390198384	-101.5363028	282054.3079231367	4380191.02436128	3443.495515	3322.31945408245	3202.245757047606	3210.686350056736	113.0736794058447	111.6331043510599
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevKgr.f	BRIElevBotKgr.f	SatHtKgr.f	SatHtBotKgr.f
327	274	23237	-149181.1413	72527.137205076	39.544826995134724	-101.3281375	299947.1417788396	4798279891	3365.897044535953	33.78348564261354	3093.970575920219	3094.3221820458575	97.8728073411654	89.02567438
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339	274	23239	-147861.1413	72527.137205076	39.544840716952136	-101.3246629	301554.2065416416	479768.1853113659	3363.452511515338	33.78054432798129	3090.1564437016167	3090.032319124652	90.537119124652	90.0584472329347
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352	274	23272	-139281.1413	72527.137205076	39.5449750716952136	-101.2930425	302965.645683094	479843.18283394	3348.396251284165	33.76190312941331	3076.429552666687	3076.429552666687	85.0183776631927	85.0183776631927
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356	274	23276	-136641.1413	72527.137205076	39.54501285284295	-101.2836969	303766.7540095903	479857.71922699	3344.321744532457	33.7612482491	3066.205820045146	3066.205820045146	85.0183776631927	85.0183776631927
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379	274	23299	-121461.1413	72527.137205076	39.5452165600022	-101.229932	308395.128553209	479841.18283394	3301.6251284165	33.73419478611214	3032.184786148987	3032.184786148987	85.0183776631927	85.0183776631927
380	274	23300	-120801.1413	72527.137205076	39.54522435502598	-101.227612	308591.4286521164	479839.68347828	3294.951930270495	33.73322621231994	3029.24319622901	3029.24319622901	85.0183776631927	85.0183776631927
381	274	23301	-120141.1413	72527.137205076	39.54523260374836	-101.2252222	308792.453495183	479840.15007203	3292.72654540723	33.7321754540647023	3031.4313501	3031.4313501	85	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsK.ft	BRIElevBothK.ft	SatBothK.ft	SatBoth.ft
43	274	42483	-66021.14133	72527.1372025076	39.54575516047081	-101.0304231	325275.94791093573	4793316.974284899	3148.7160045568257	307.115519200522	2934.8118077366253	2934.434229097687	82.3037114638969	82.67909629075348
464	274	42484	-65361.14133	72527.1372025076	39.54575957932047	-101.0310841	325476.9588295268	4793312.93201475	3147.9252697463567	305.45659720122	2934.0401671453833	2933.724410001965	81.8055310001965	81.9212872936683
465	274	42485	-64741.14133	72527.1372025076	39.54576198468644	-101.0287451	325677.9698789607	4793308.045722542	3147.137325342686	304.737325342686	2932.858198815985	2932.844332658617	81.720325018770342	81.2680187770342
466	274	42486	-64041.14133	72527.1372025076	39.54576852	-101.0264061	325878.9801582484	4793304.80505712	3146.34300125418	3012.70483212675	2931.740571326216	2931.708770911575	80.946730099	80.960611515964
467	274	42487	-63381.14133	72527.1372025076	39.54577287915544	-101.024067	326079.99656798406	4793300.80776593	3145.536351093718	3011.235192588923	2930.5351858809843	2930.238837369335	80.7000606899297	80.99635495
468	274	42488	-62721.14133	72527.1372025076	39.5457719586238	-101.021728	326281.0000838474	4793296.766674264	3144.712187840784	3009.7685787173847	2929.0921704782077	2929.020871738347	80.6754062609917	80.7369756444265
469	274	42489	-62061.14133	72527.1372025076	39.54578471	-101.019389	326482.0108796528	4793292.72807368	3143.888024587028	3008.304385672068	2928.470054784763	2927.22531983993	80.47906832027387	81.07968632027387
470	274	42490	-61401.14133	72527.1372025076	39.54578569371913	-101.0170499	326683.02078196247	4793285.81571066	3143.063813349274	3006.842496736875	2927.28924962612	2925.8447937475796	79.56532469107559	80.7169171979273
471	274	42491	-60741.14133	72527.1372025076	39.54579136868644	-101.0147198	326884.0365195865	4793284.54722542	3142.5178954561733	3005.3627971891346	2926.43018267911626	2924.479797964544	80.4528461897205	80.84671799886806
472	274	42492	-60081.14133	72527.1372025076	39.545794010833006	-101.012379	327085.0408077115	4793280.60450451	3142.24652951596	3003.92650349882	2923.807106819276	2923.16336225525	81.119743524362	80.2949137272246
473	274	42493	-59421.14133	72527.1372025076	39.54579801161136	-101.0100328	327286.0494775022	4793276.564015914	3141.98133447018	3002.47436152472	2923.003221365342	2922.2931913458731	81.71430343135582	80.18116996
474	274	42494	-58761.14133	72527.1372025076	39.54580214720398	-101.007938	327487.05870618887	4793272.524715157	3141.7131917	3001.025218388616	2922.1930974038696	2921.50550488996	80.738212098474633	80.12667196991976
475	274	42495	-58101.14133	72527.1372025076	39.54580147611082	-101.005348	327688.0677669743	4793268.485	3140.9957095992427	2999.5792447785557	2918.9235435871733	2919.4466373400005	80.65571019138238	80.217613085517
476	274	42496	-57441.14133	72527.1372025076	39.54581010283191	-101.0030158	327889.0767	4793264.45790308	3138.828901417425	2998.136196351043	2917.5753311850626	2917.6014391125204	80.56066245	80.5256352528385
477	274	42497	-56781.14133	72527.1372025076	39.5458101286722	-101.000677	328080.0853956739	4793260.407	3136.620923256072	2996.99596049369	2916.238183	2916.170318861987	80.457177812	80.5249606
478	274	42498	-56121.14133	72527.1372025076	39.54581787176717	-100.998377	328291.093439959	4793256.368	3137.495285	2995.2573367167133	2914.9586876903457	2914.7121078070284	80.2988911578756	80.5364609058425
479	274	42499	-55461.14133	72527.1372025076	39.54582169738953	-100.9959897	328492.1032532423	4793252.390202979	3134.673455112384	2993.819421720208	2913.46173783541	2912.876530373452	80.278386675727	80.94049808286592
480	274	42500	-54801.14133	72527.1372025076	39.54582541758582	-100.9936596	328693.110556194	4793248.290532489	3132.0235667953	2992.3807528592575	2913.2713887953446	2912.796764336434	80.19531303718289	80.41497776
481	274	42501	-54141.14133	72527.1372025076	39.54582920115072	-100.9913206	328894.1186713277	4793244.25252764	3125.72967303467	2990.944220674796	2911.90620909193	2911.10748281043683	80.0938196826786	80.7619936311131
482	274	42502	-53481.14133	72527.1372025076	39.5458328557038	-100.9889816	329095.1265085798	4793240.211439386	3121.2567901138616	2989.488919155258	2910.50288774138	2908.520854	79.9380914139005	80.96933765
483	274	42503	-52821.14133	72527.1372025076	39.54583652417785	-100.9866425	329296.1342353744	4793236.17635677	3117.450461240424	2988.058489037025	2909.044081922891	2908.6525414040245	79.91504671081127	81.40330705
484	274	42504	-52161.14133	72527.1372025076	39.54584012	-100.9843305	329487.1417925218	4793232.38730064	3114.310685210759	2986.0454763415267	2907.53918274812	2906.757135400187	79.8657935971427	82.36126100150796
485	274	42505	-51501.14133	72527.1372025076	39.54584056844446	-100.9816547	329684.019182683	4793228.101913989	3112.710086831567	2984.921722623385	2906.47122623385	2904.71221889148	79.7971447447791	80.47906832027387
486	274	42506	-50841.14133	72527.1372025076	39.54584716932404	-100.9796254	329899.564130957	4793224.06142457	3108.03112584537	2983.66425801055	2904.3648601108807	2900.530575831293	79.29386901740623	81.13119121792672
487	274	42507	-50181.14133	72527.1372025076	39.54585028001689	-100.9772884	330100.1634751431	4793220.027145524	3106.932423868663	2982.165904925967	2903.221971750159	2901.889118749249527	79.948337178263	82.8677174680413
488	274	42508	-49521.14133	72527.1372025076	39.54585040993106	-100.9749474	330301.17037194566	4793215.99032498	3084.88412655614	2980.641121	2902.173837978358	2900.3650351684214	79.78420760719196	80.2768588612322
489	274	42509	-48861.14133	72527.1372025076	39.54585740879867	-100.9726083	330502.1771037363	4793211.9533358	3083.767191442542	2979.830288037045	2901.16208350602	2909.604713000442	78.92120269	79.4783703720322
490	274	42510	-48201.14133	72527.1372025076	39.5458603181839	-100.9702693	330703.18367071345	4793207.917504111	3088.689922024696	2978.472963935513	2900.514866422726	2908.76473799695	79.742997082845	79.1196226
491	274	42511	-47541.14133	72527.1372025076	39.5458604088822	-100.9678302	330904.1903735191	4793204.77889884	3084.92477688984	2978.92477688984	2900.70389369868	2908.76473799695	79.742997082845	79.1196226
492	274	42512	-46881.14133	72527.1372025076	39.54586721	-100.965972	331105.1963110487	4793199.85489239	3082.15917389297	2977.180110487	2900.473225044617	2907.138797043492	78.7139719400724	79.1196226
493	274	42513	-46221.14133	72527.1372025076	39.54587042816229	-100.9632522	331306.2028481514	4793195.809058598	3078.70590002759	2974.072503537494	2908.968067098096	2907.02563537161	79.43318324	75.4536149785858
494	274	42514	-45561.14133	72527.1372025076	39.5458737003582	-100.9609131	331507.202945901	4793191.7733712	3077.202786	2970.7457349219412	2908.68642959306	2906.74351941452	75.0683059307656	75.0114701066021
495	274	42515	-44901.14133	72527.1372025076	39.54587666672886	-100.9585741	331708.21405405807	4793187.70905898	3074.1488485012927	2969.01369641703	2908.246172104565	2909.750747253544	74.7674834713803	77.2699238818473
496	274	42516	-44241.14133	72527.1372025076	39.54587917823206	-100.9562351	331909.219622993	4793183.704049759	3070.597357066258	2967.259546947007	2902.8468772165493	2909.4595649702133	74.4128871331547	76.9862754756773
497	274	42517	-43581.14133	72527.1372025076	39.54588272455179	-100.95388	332101.2250242047	4793179.69824747	3067.04622562599	2965.496056785573	2901.6755938151534	2908.965397506263	74.0194117150833	76.10904833
498	274	42518	-42921.14133	72527.1372025076	39.54588568464446	-100.951567	332311.2201	4793175.634525107	3064.49491178929	2962.235767178813	2900.7219540097916	2908.72818906537	73.0039443414192	74.9877144747791
499	274	42519	-42261.14133	72527.1372025076	39.5458886016115	-100.949218	332512.1230397912	4793171.60236365	3061.621897444238	2960.65690485699	2902.8622366242992	2907.286592373944	73.6959310188877	76.9862754756773
500	274	42520	-41601.14133	72527.1372025076	39.545891472391936	-100.9468789	332713.240320336	4793167.56603514	3059.1609202957	2960.176831643138	2901.504236	2908.9114543819986	73.625954658893	76.6553727131171
501	274	42521	-40941.14133	72527.1372025076	39.5458942796663	-100.9445399	332914.2540885429	4793163.532	3057.455478182536	2958.401543	2903.4579943169199	2901.459634783073	73.64393454783076	76.60584402700658
502	274	42522	-40281.14133	72527.1372025076	39.54589707837514	-100.9422008	333115.249793689	4793159.48938132	3055.7499660721887	2956.6278853275926	2908.1496218038845	2904.020077107416	73.60783197107796	76.60783197107796
503	274	42523	-39621.14133	72527.1372025076	39.54589981356014	-100.9398618	333316.25423679384	4793155.46483767	3048.174573043833	2954.85705497739678	2908.90929457739678	2908.967980458598	73.6453996	76.60783197107796
504	274	42524	-38961.14133	72527.1372025076	39.54590250377175	-100.9375228	333517.2585	4793151.43157699	3045.728451055763	2953.01142450092	2908.4091218	2908.6953987722892	73.6086450855209	76.913527873723
505	274	42525	-38301.14133	72527.1372025076	39.54590520377175	-100.935245	333716.31192997	4793147.34525107	3042.9491178929	2951.2753041137	2907.7219540097916	2908.72818906537	73.0039443414192	74.9877144747791
506	274	42526	-37641.14133	72527.1372025076	39.545907748053466	-100.932847	333913.2696	4793143.3655577	3037.837041050762	2949.56285185454	2906.835134097625	2908.6082366242992	73.286592373944	76.9862754756773
507	274	42527	-36981.14133	72527.1372025076	39.54591030251267	-100.9305057	334120.2703919157	4793139.32893304	3031.61961502746	2947.86099209162	2908.594344683697			

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLog.f	SatHtBoth.f
58	2017	1788.8586730335	72527.3170250766	35.45496600046496	-100.7387042	505062.05253838346	4789809.3879236905	2309.3692642681763	2280.04003934196	2759.820097351653	2760.4151277080584	68.1839062451272	67.5888756836056
590	2016	17798.8586730335	72527.3170250766	35.45496480400602	-100.7363652	508083.0436622221	4778805.373117964	2929.5813019948373	2826.535124264307	2796.4320364915945	2796.696931290472	70.1072772423419	69.84268296529854
591	2016	17848.8586730335	72527.3170250766	35.45496353040004	-100.7360611	510044.034622146	4778801.354867246	2825.606920137186	2752.516585194773	2752.652209090618	2752.652209090618	72.46171102295629	72.46171102295629
592	2016	17818.8586730335	72527.3170250766	35.45496228	-100.7361671	511205.0254782635	4778977.3442115964	2930.573395564788	2822.5917448184323	2784.557437313934	2784.557437313934	75.13800109	75.07705237
593	2016	19778.8586730335	72527.3170250766	35.45496054011264	-100.729348	514106.0161706761	4787893.303070861	2931.447543692016	2822.107308781951	2744.522302365062	2744.522302365062	75.5850064168887	77.11474759595453
594	2016	20438.8586730335	72527.3170250766	35.45495956828454	-100.727009	515607.06071965734	4787691.31614517	2932.421495171358	2820.617319436745	2742.030745570555	2742.030745570555	75.5850064168887	76.62897252914172
595	2016	21908.8586730335	72527.3170250766	35.45495814637038	-100.72467	51807.9971258142	4787875.302434437	2919.101078714742	2819.128270777363	2741.0736715676962	2741.0736715676962	75.5850064168887	76.62897252914172
596	2016	21978.8586730335	72527.3170250766	35.45495679270176	-100.7223309	52008.9872841495	4787811.28893893	2927.2658642777	2817.620578761233	2740.4416480244273	2740.4416480244273	75.5850064168887	76.62897252914172
597	2016	22418.8586730335	72527.3170250766	35.4549551	-100.7198918	52209.9375080716	4787812.11236511	2928.520698594063	2816.1131474262324	2738.941761161676	2738.941761161676	75.5850064168887	76.62897252914172
598	2016	22078.8586730335	72527.3170250766	35.45495361	-100.7176528	52410.9674853841	4787812.2525089	2919.775934645383	2814.5895789114526	2738.240509	2738.240509	75.5850064168887	76.62897252914172
599	2016	22378.8586730335	72527.3170250766	35.45495200853284	-100.7153138	52611.9623209446	4787869.249174128	2916.296717718316	2813.076532393266	2738.6850376105586	2738.6850376105586	75.5850064168887	76.62897252914172
600	2016	24398.8586730335	72527.3170250766	35.45495035900808	-100.7129748	52812.9401700373	4787865.23105283	2913.083082741257	2811.543982348464	2738.03535	2738.03535	75.5850064168887	76.62897252914172
601	2016	25058.8586730335	72527.3170250766	35.45494866597845	-100.7106357	53031.33665372547	4787861.22684297	2899.989882914594	2809.999572096535	2737.2865341589236	2737.2865341589236	75.5850064168887	76.62897252914172
602	2016	25718.8586730335	72527.3170250766	35.45494693	-100.7082967	53214.9259725584	4787857.21247819	2906.656489786135	2808.442089332733	2736.6945488382106	2736.6945488382106	75.5850064168887	76.62897252914172
603	2016	262378.8586730335	72527.3170250766	35.45494514435951	-100.7059876	533415.1524010095	4787853.2048074929	2903.505826598383	2806.8708106532823	2735.94841635977354	2735.94841635977354	75.5850064168887	76.62897252914172
604	2016	27038.8586730335	72527.3170250766	35.45494315717102	-100.703618	53516.9043659804	4787849.188710769	2901.179112543578	2805.28432246019	2735.2118090911896	2735.2118090911896	75.5850064168887	76.62897252914172
605	2016	27698.8586730335	72527.3170250766	35.45494141199648	-100.7017296	53817.893503976	4787845.177149041	2896.829805365557	2803.8822144404357	2734.2368343589882	2734.2368343589882	75.5850064168887	76.62897252914172
606	2016	28358.8586730335	72527.3170250766	35.45493952033592	-100.6989405	540418.8221946374	4787841.16502919	2894.542080552456	2802.063795	2733.067389674977	2733.067389674977	75.5850064168887	76.62897252914172
607	2016	29018.8586730335	72527.3170250766	35.4549375888936	-100.696015	54242.9180797224	4787837.154671317	2890.057847320076	2800.428952327333	2731.49707499901	2731.49707499901	75.5850064168887	76.62897252914172
608	2016	29678.8586730335	72527.3170250766	35.45493549556795	-100.6942624	54420.8594602506	4787833.174535486	2886.373496908157	2798.779112049228	2729.7379328728994	2729.7379328728994	75.5850064168887	76.62897252914172
609	2016	30398.8586730335	72527.3170250766	35.4549335	-100.6919234	54621.84782432	4787829.123059712	2882.69834649624	2797.11395202762	2728.177969615456	2728.177969615456	75.5850064168887	76.62897252914172
610	2016	30998.8586730335	72527.3170250766	35.45493139533362	-100.689943	54822.836144745	4787825.12565673	2878.613119608432	2795.43302704048	2726.459644531564	2726.459644531564	75.5850064168887	76.62897252914172
611	2016	32418.8586730335	72527.3170250766	35.4549294404304	-100.6878193	55028.9362454	4787821.11236511	2877.6849636542	2794.11236511	2725.3292428638	2725.3292428638	75.5850064168887	76.62897252914172
612	2016	32318.8586730335	72527.3170250766	35.454927003565	-100.684903	55224.2123095116	4787817.10236217	2869.07431514062	2792.04745495574	2724.333604659505	2724.333604659505	75.5850064168887	76.62897252914172
613	2016	32633.8586730335	72527.3170250766	35.45492501510387	-100.6825672	55425.8001717987	4787813.92939653	2867.62347193786	2790.294724756427	2723.10828681082	2723.10828681082	75.5850064168887	76.62897252914172
614	2016	33638.8586730335	72527.3170250766	35.45492254	-100.6802282	55566.78995326	4787809.083	2858.27211236166	2788.5555015029217	2722.925825252926	2722.925825252926	75.5850064168887	76.62897252914172
615	2016	34298.8586730335	72527.3170250766	35.45492021902076	-100.6778892	55827.77547973883	4787805.07335055	2852.0423485624	2786.801091582702	2722.3436231363437	2722.3436231363437	75.5850064168887	76.62897252914172
616	2016	34998.8586730335	72527.3170250766	35.45491784820024	-100.6755501	56026.76292524475	4787801.064	2851.9395854588	2785.042096955796	2724.4296451190953	2724.4296451190953	75.5850064168887	76.62897252914172
617	2016	35618.8586730335	72527.3170250766	35.4549152419373	-100.6732618	56229.7603250458	4787807.95171854	2849.83630462147	2782.47119782147	2723.6894665642	2723.6894665642	75.5850064168887	76.62897252914172
618	2016	35648.8586730335	72527.3170250766	35.45491297100112	-100.6707672	56430.04003482	4787803.0483131	2843.810196515778	2781.481165625192	2722.481165625192	2722.481165625192	75.5850064168887	76.62897252914172
619	2016	36938.8586730335	72527.3170250766	35.454910462286	-100.66853	56631.7243043585	4787805.083	2842.639104860317	2779.655733475134	2721.709415006463	2721.709415006463	75.5850064168887	76.62897252914172
620	2016	37598.8586730335	72527.3170250766	35.45490917308464	-100.666194	56832.711322288	4787869.03	2819.371325705706	2777.836385996237	2721.04190331305	2721.04190331305	75.5850064168887	76.62897252914172
621	2016	38258.8586730335	72527.3170250766	35.45490531630813	-100.6638549	57033.6980763205	4787861.021386156	2814.103543	2776.005904738393	2719.78923330513	2719.78923330513	75.5850064168887	76.62897252914172
622	2016	38918.8586730335	72527.3170250766	35.45490267437183	-100.661519	57234.646924967	4787867.0147667	2808.835760179054	2774.16246928627	2719.06915287123	2719.06915287123	75.5850064168887	76.62897252914172
623	2016	39678.8586730335	72527.3170250766	35.45498999	-100.6599768	57435.67117159255	4787863.905781916	2811.1233479989723	2772.302761905529	2718.3430686791929	2718.3430686791929	75.5850064168887	76.62897252914172
624	2016	40238.8586730335	72527.3170250766	35.4549152419373	-100.6584978	57638.951322545	4787869.9811893	2809.83630462147	2770.47119782147	2723.6894665642	2723.6894665642	75.5850064168887	76.62897252914172
625	2016	40988.8586730335	72527.3170250766	35.45498494744732	-100.6554498	57837.843717956	4787869.1035877	2830.80946598297	2768.530680680923	2719.57180041	2719.57180041	75.5850064168887	76.62897252914172
626	2016	41558.8586730335	72527.3170250766	35.45498165476727	-100.6521597	58038.62795527	4787869.9385992	2840.62320204594	2766.62589	2720.144858014737	2720.144858014737	75.5850064168887	76.62897252914172
627	2016	42218.8586730335	72527.3170250766	35.4549807690133	-100.6498207	58239.26175169451	4787866.97	2845.8106337614069	2764.69905	2696.563931814069	2696.563931814069	75.5850064168887	76.62897252914172
628	2016	42788.8586730335	72527.3170250766	35.4548887384944	-100.6474817	58440.6015112246	4787862.970528901	2846.28496215564	2764.751952074909	2694.4234141347	2694.4234141347	75.5850064168887	76.62897252914172
629	2016	43538.8586730335	72527.3170250766	35.45488915611166	-100.6451426	58641.587169191	4787864.9834122385	2848.783857251395	2760.791164223936	2693.78939580174	2693.78939580174	75.5850064168887	76.62897252914172
630	2016	44198.8586730335	72527.3170250766	35.45487991219644	-100.6428306	58842.5729197914	4787863.95782851	2848.783857251395	2760.791164223936	2693.78939580174	2693.78939580174	75.5850064168887	76.62897252914172
631	2016	44738.8586730335	72527.3170250766	35.4548768367682	-100.640613	59042.5629104919	4787863.95782851	2848.783857251395	2760.791164223936	2693.78939580174	2693.78939580174	75.5850064168887	76.62897252914172
632	2016	45058.8586730335	72527.3170250766	35.45487376979134	-100.6381255	59244.5434239643	4787863.95782851	2848.783857251395	2760.791164223936	2693.78939580174	2693.78939580174	75.5850064168887	76.62897252914172
633	2016	46178.8586730335	72527.3170250766	35.45487063079991	-100.6357865	59445.5284454855	4787862.94060895	2857.9014224799	2752.73718462231	2706.843925873815	2706.843925873815	75.5850064168887	76.62897252914172
634	2016	46838.8586730335	72527.3170250766	35.45487446632147	-100.633447								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
715	274	72328	100298.8568730735	72527.5717025076	39.54545964748473	-100.4398695	375925.868682704	4783705.215307912	7263.316501131574	2322.284111444230	2562.452235596907	2562.9051105559342	60.8317858472696	60.37900088296105
716	274	72328	100598.8568730735	72527.5717025076	39.54545297100424	-100.4416475	376126.415750582	4783701.227542556	7268.550612937106	2301.602694472843	2561.927228512134	2562.499479119259	59.8754322163396	59.10316636918294
717	274	72327	101618.8568730735	72527.5717025076	39.5454556353445	-100.4393086	376237.818094427	4783727.3199939372	7271.78454558487	2619.001461932585	2561.41672320227	2562.051461932585	57.848918239485	57.848918239485
718	274	72328	102738.8568730735	72527.5717025076	39.54543866733396	-100.4369694	376528.7904055675	4782933.252657467	7270.51882617983	2611.769257946626	2561.142005549381	2561.724801416235	56.454212473262156	56.454212473262156
719	274	72328	102938.8568730735	72527.5717025076	39.54543163884370	-100.4346304	376729.7646445216	4782825.26535737	7272.32396235683	2616.436387589683	2561.1202799480257	2562.073814598916	55.3413668103243	55.3413668103243
720	274	7240	103598.8568730735	72527.5717025076	39.54541656872616	-100.4329214	376930.7365765336	4782899.79178515	7268.20163089472	2614.676180575681	2561.43109443452	2561.6239042002486	53.2430173229034	53.2430173229034
721	274	72421	104258.8568730735	72527.5717025076	39.54541745320015	-100.4295624	377131.7217694554	4782821.291305368	7262.57338322116	2612.903385339396	2562.073814598916	2562.508359892516	50.3949644980301	50.3949644980301
722	274	7242	104918.8568730735	72527.5717025076	39.54541029229883	-100.4276134	377332.8866561342	4782791.294353683	7265.95250645573	2611.11862	2563.125002490164	2562.798277688192	49.9367175450924	49.9367175450924
723	274	72425	105578.8568730735	72527.5717025076	39.54540763725268	-100.4257744	377533.6604258919	4782763.819187515	7268.19788643389	2609.328639017846	2563.07969098887	2562.881074231284	44.22683211066934	44.22683211066934
724	274	72474	106238.8568730735	72527.5717025076	39.5453969339153	-100.4225564	377734.6307893444	4782899.33	7268.3172259816	2567.521347057748	2563.830040536305	2564.362584111155	43.69009548471218	43.69009548471218
725	274	72475	106588.8568730735	72527.5717025076	39.545388540345385	-100.4205964	378365.760154709	4782865.342796146	7264.42566048533	2605.712258	2559.5572351410287	2559.9712861638575	45.1755238081306	45.1755238081306
726	274	72476	107558.8568730735	72527.5717025076	39.5453812	-100.4182574	378136.5105370284	4782621.36171261	7264.500558711463	2603.898281315176	2555.76531615983	2555.91460465996	47.9838074752165	47.9838074752165
727	274	72477	108218.8568730735	72527.5717025076	39.54537831269829	-100.4159184	378257.554338734	4782573.376260173	7274.525015871717	2602.085644111363	2552.412615871717	2552.518830960185	49.667748559157	49.667748559157
728	274	72478	108538.8568730735	72527.5717025076	39.5453636109734	-100.4135794	378538.5275280084	478253.39106276	7276.37877458957	2609.259862098756	2549.394931058446	2549.574942660804	50.8649251142936	50.8649251142936
729	274	72478	109578.8568730735	72527.5717025076	39.545359894311485	-100.4112044	378739.5006006356	478249.580497938	7278.232964907938	2598.436764054399	2546.38064850761	2546.501155891798	51.8995808687963	51.8995808687963
730	274	7250	110158.8568730735	72527.5717025076	39.545313823407	-100.408014	378940.473557709	478245.421309611	7270.085153467557	2596.6117688160734	2543.14498457678	2543.33730225372	53.278459070162	53.278459070162
731	274	7251	110658.8568730735	72527.5717025076	39.545348311518056	-100.4056264	379141.4463950816	478241.436793824	7274.79021246931	2596.7852398161194	2539.7414593304818	2539.819700710067	54.9661621200523	54.9661621200523
732	274	7252	111518.8568730735	72527.5717025076	39.545336202484545	-100.4042234	379342.412623536	4782373.45211932	7272.3457848853758	2592.967448857358	2536.097198	2536.0882463064203	56.860252081557	56.860252081557
733	274	7253	112178.8568730735	72527.5717025076	39.54532854310915	-100.4018844	379543.3917380983	478233.448282091	7269.887425347357	2591.12861680757	2533.2743110537217	2533.232836	57.8540552071304	57.85789049054676
734	274	7254	112838.8568730735	72527.5717025076	39.54532084260895	-100.3995454	379744.3642353026	478231.468438144	7267.450937601738	2589.29169768518	2531.5950247663673	2531.734867020503	57.7643025021505	57.7643025021505
735	274	7255	113498.8568730735	72527.5717025076	39.545303167133047	-100.3972064	379945.336	4782325.00667111	7268.269385826718	2588.4686639214	2529.736458309756	2529.985107240887	57.73208012148476	57.73208012148476
736	274	7256	114158.8568730735	72527.5717025076	39.54530530413940	-100.3948674	380146.308658535	4782321.517719965	7267.32707262041	2585.636895298984	2524.74262067345	2524.773206273174	58.8897055204017	58.8897055204017
737	274	7257	114818.8568730735	72527.5717025076	39.54529831390166	-100.3924935	380347.261041111	478231.65354495	7266.9236292224	2582.831974183243	2522.8110742367	2522.8110742367	59.838154	59.838154
738	274	7258	115418.8568730735	72527.5717025076	39.54528957919599	-100.3901884	380548.253016297	478213.55004272	7270.11530057042	2581.96374166554	2520.17986265009	2520.17986265009	61.77150832051084	61.77150832051084
739	274	7259	116138.8568730735	72527.5717025076	39.54528165	-100.3878504	380749.225086173	478203.968000048	7271.16270325354	2580.13398653563	2517.282891857648	2516.5667290179744	63.5671067595126	63.5671067595126
740	274	7260	116798.8568730735	72527.5717025076	39.54527374746688	-100.3855114	380950.196221789	478205.585375045	7270.366055121134	2578.296627562111	2509.92557060636	2511.199246	63.701104960759	63.701104960759
1	275	7261	370941.1413	793237.317025076	39.540657635115586	-102.1140083	232391.47456620953	478408.932	3764.868991443399	3807.0018181480455	3589.5303983849167	36.8270129353575	60.3384905848253	60.3384905848253
2	275	7262	370281.1413	793237.317025076	39.540683006645125	-102.1169217	232592.58578708814	4781404.788997901	3763.684154499276	3648.5228810006797	3583.769861167316	3592.1967	61.3719983336385	61.3719983336385
3	275	7263	369621.1413	793237.317025076	39.54070633390166	-102.109351	232793.69674262752	4781363.659429184	3762.34717850545923	3648.512594336245	3588.67426628305	3592.1967	61.3667972032769	61.3667972032769
4	275	7264	367421.1413	793237.317025076	39.5407341118333	-102.1069824	232916.98311618	4781306.59304949	3760.777867961296	3648.53672924643	3587.544066577094	3591.544066577094	62.4241915710546	62.4241915710546
5	275	7265	366301.1413	793237.317025076	39.5407585019195	-102.1046537	233195.9178601066	4781392.361370853	3773.376378202574	3644.4997030005522	3577.9716131005875	3580.07372863759	62.9600071036472	62.9600071036472
6	275	7266	367641.1413	793237.317025076	39.5407840102684	-102.1023151	233397.0280219638	4781389.219360828	3778.687929	3643.16803394612	3579.36841120824394	3579.782756258955	63.79528911029429	63.79528911029429
7	275	7267	366981.1413	793237.317025076	39.54080918668792	-102.0999764	233598.1379194965	4781384.07585088	3774.654058888113	3641.830581365859	3577.661899272395	3577.985609478837	64.16868217393168	64.16868217393168
8	275	7268	366321.1413	793237.317025076	39.540832487175166	-102.0976378	233799.24755302176	4781379.936021861	3791.6945003971907	3640.35033971907	3576.401944788733	3576.9792019554907	63.52113401616454	63.52113401616454
9	275	7269	365661.1413	793237.317025076	39.54085934248854	-102.0952919	234000.3569277037	4781375.784678399	3798.8841479175203	3579.174568918354	3574.298465827166	3574.379888	64.5005702746028	64.5005702746028
10	275	7270	365101.1413	793237.317025076	39.54088435	-102.0926935	234201.068296752	4781371.65354495	3806.96732962224	3576.47132673674	3574.158154	3574.158154	65.384923464646	65.384923464646
11	275	7271	364241.1413	793237.317025076	39.54090931749344	-102.0902618	2344002.5748713884	4781365.512650738	3811.5280748719505	3566.53676407206	3568.557490747206	3568.557490747206	66.8778962714968	66.8778962714968
12	275	7272	363681.1413	793237.317025076	39.540932427384896	-102.0882832	234603.6834508106	4781363.31966525	3815.261867610704	3535.271720889007	3577.339295	3568.241255778825	67.874250867606	67.874250867606
13	275	7273	363021.1413	793237.317025076	39.54095911200225	-102.0859445	234804.7916721023	4781359.25102046	3818.99560467287	3565.3286156395056	3566.14196795131	3566.14196795131	68.5710486103177	68.5710486103177
14	275	7274	362361.1413	793237.317025076	39.54098381445525	-102.083058	235005.898620017	4781355.091	3822.70542354644	3562.581697106893	3563.4001795764688	3563.4001795764688	69.346093660173	69.346093660173
15	275	7275	361701.1413	793237.317025076	39.54100872571459	-102.0812672	235207.0071179335	4781350.951323273	3813.263848565457	3563.040173664767	3562.147796206392	3562.147796206392	70.22351149206096	70.22351149206096
16	275	7276	361041.1413	793237.317025076	39.54103340459946	-102.0792825	235408.1151034988	4781348.51429653	3814.2247651	3562.945797224675	3559.97347616913	3560.556912870052	69.765367302021	69.765367302021
17	275	7277	360391.1413	793237.317025076	39.54105820490466	-102.0769218	235615.929693979	4781342.929429895	3816.798844298979	3558.48402943996	3557.798844298979	3557.798844298979	70.798844298979	70.798844298979
18	275	7278	359721.1413	793237.317025076	39.54108207413884	-102.0745212	235810.32941122347	4781336.523475457	3827.3105014829475	3556.16477977143	3556.49539180637	3556.49539180637	71.14571370780463	71.14571370780463
19	275	7279	359061.1413	793237.317025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatBothKrg.ft
101	275	202861	-304941.1413	793237.3170250766	35.942971171288535	-11.8801364	252501.318064527	4380965.730290458	3730.950516364661	35.1531684779784	3419.7159054350805	3422.011392956009	35.6677934470342
102	275	202862	-304281.1413	793237.3170250766	35.94296025252312	-11.8777676	252702.403796188	4380991.60354453	3726.655492173174	35.1399250741003	3417.1900590074606	3420.1222741233015	35.8079173542532
103	275	202863	-303621.1413	793237.3170250766	35.94301285399771	-11.8754688	252963.4689373864	4380987.488637563	3722.664127324996	35.140819738542387	3418.402971928036	3418.402971928036	35.808297354807837
104	275	202864	-302961.1413	793237.3170250766	35.9430359785522	-11.87312	253104.5745323206	4380983.38139749	3718.975281106468	35.126758272895	3417.789252389165	3417.789252389165	35.80939543372966
105	275	202865	-302301.1413	793237.3170250766	35.94305431599464	-11.8707812	253305.6595323053	4380979.24781032	3715.288985314351	35.0919733601540	3410.4739901693415	3415.407380349816	35.8094345616263
106	275	202866	-301641.1413	793237.3170250766	35.9430749892258	-11.8684424	253506.7429024124	4380975.12780134	3711.6012692317	35.052212237750514	3408.28017856271	3410.296142618705	35.8046162507812
107	275	202867	-300981.1413	793237.3170250766	35.94309617278944	-11.8661036	253707.828803635	4380971.07066029	3707.326715	35.05724545489932	3406.54845489932	3410.735059321317	35.806951394767607
108	275	202868	-300321.1413	793237.3170250766	35.94311620015382	-11.863748	253908.9137035938	4380966.8833934	3702.45620655333	35.05294791	3404.180107022663	3412.8151878	35.8094338185032
109	275	202869	-299661.1413	793237.3170250766	35.94319671876565	-11.861426	254193.9071003218	4380962.76883694	3697.60389727106	35.0481646988054	3401.7559911225463	3412.60389727106	35.8094338185032
110	275	202870	-299001.1413	793237.3170250766	35.94315723036964	-11.8599782	254311.0808402942	4380958.445753506	3685.74235119879	35.0423266290124	3400.7559911225463	3412.60389727106	35.8094338185032
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113	275	202873	-297021.1413	793237.3170250766	35.943218436853206	-11.8520708	254914.3703790616	4380946.293571581	3666.863647819566	35.039463734164392	3391.1598281256003	3413.08363681343	35.803903600879173
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131	275	202891	-285141.1413	793237.3170250766	35.94357713074074	-11.8099721	258533.7846682592	4380872.19748453	3418.18154876233	35.018975530539	3363.11166804414	3360.29479190047	35.80145363198478
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148	275	202908	-273921.1413	793237.3170250766	35.94390246857254	-11.7702118	261962.8071198173	4380802.20324849	3384.37916960317	35.0061566523453	3335.715971		

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatThLogs.ft	SatThBothKgrg.ft
227	275	20287	-221781.1413	793237.3172050766	39.5452429709552	-101.585439	277836.2626918368	4304878.215294473	35742.977965746307	326.33967283124649	325.81937126338065	320.68910533964724	142.39947058084272	149.54527981877682
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239	275	20299	-213861.1413	793237.3172050766	39.54542193175772	-101.5573717	280248.928653009	4304299.189160823	3491.9809297012103	3335.4903762871427	3200.2855240423038	3195.2849022448393	137.8682954095616	140.780004095616
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244	275	20304	-210561.1413	793237.3172050766	39.54549571501517	-101.5456799	281254.1945175555	430408.675495325	3465.4568164950526	3327.595105407588	3201.425742804472	3203.1157440339183	126.124767736385	124.4347701068406
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251	275	20311	-205941.1413	793237.3172050766	39.54559438	-101.5293042	282651.7601743476	430380.034	3438.921052336217	3316.146975401057	3206.454639580829	3207.1358045171995	110.1600503276919	109.47888298899017
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255	275	20315	-203301.1413	793237.3172050766	39.5456511438261	-101.5199382	283465.7645234733	430363.683016183	3435.1819535275	3309.2115353456	3192.18701084979	3191.8193541976	115.44645054548	125.425400119808
256	275	20316	-202641.1413	793237.3172050766	39.54566431049009	-101.5176094	283679.6146899717	430359.695752985	3418.30177775387	3308.454117175309	3199.9384431173	3189.8504500721224	115.8157727840541	116.4691221030680
257	275	20317	-201981.1413	793237.3172050766	39.54567816414555	-101.5152705	283867.8657	430355.509	3403.420159741257	3306.782247846647	3188.1676764481685	3188.269653657976	115.8145713984735	118.821284908498
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260	275	20320	-200001.1413	793237.3172050766	39.545719443090434	-101.5082536	284471.014793852	430343.248791258	3368.2504372917654	3301.681707203654	3182.865968821055	3181.48592054665	118.8147323595673	120.1952719131973
261	275	20321	-199341.1413	793237.3172050766	39.5457331326258	-101.5059148	284682.0644475945	430339.163	3348.1356221165853	3299.962739178598	3179.93975985334	3177.376162713664	115.0229901144223	122.6458185858524
262	275	20322	-198681.1413	793237.3172050766	39.54574673821086	-101.5035756	284872.114835494	430335.17626826	3333.7057057275	3298.24159353456	3178.7610408079	3176.8193541976	115.44645054548	125.425400119808
263	275	20323	-198021.1413	793237.3172050766	39.54576031811578	-101.501267	285074.1625	430330.9908714825	3323.68062411	3295.522601501955	3175.6919417313134	3175.675599973763	120.83031841888214	131.14570012452225
264	275	20324	-197361.1413	793237.3172050766	39.54577385275847	-101.4989877	285275.2132739825	430326.905	3347.28757673827	3294.80849	3177.435955	31662.11744057373	117.3725376983017	132.691345216293
265	275	20325	-196701.1413	793237.3172050766	39.54578734221712	-101.4965877	285476.2599332483	430322.8200144945	3331.107451	3293.100321366394	3180.587353132227	3166.702496846187	115.51549003116634	132.691345216293
266	275	20326	-196041.1413	793237.3172050766	39.54580076492364	-101.4942197	285677.3083	430318.734912837	3327.9471925343375	3291.4046797088394	3184.0011590318386	3166.21076521239	115.0229901144223	126.1939144626751
267	275	20327	-195381.1413	793237.3172050766	39.5458141855841	-101.491808	285878.3565	430308.0500209595	3308.1362	3289.708672387214	3185.912852049701	3170.3301871854828	115.7982037807913	116.6785938895954
268	275	20328	-194721.1413	793237.3172050766	39.5458275394253	-101.4895148	286079.04484477	430304.505391352	3307.734613965707	3288.0776914539	3185.69842451572	3176.320468897	115.0229901144223	116.6785938895954
269	275	20329	-194061.1413	793237.3172050766	39.5458419745217	-101.487168	286280.3634265987	430299.978810658	3306.382176	3287.18564048363	3184.300210885366	3166.65569446851	131.2183947043317	125.425400119808
270	275	20330	-193401.1413	793237.3172050766	39.545854111758184	-101.484838	286481.499002294	430302.397	3309.9314141501835	3286.390319280863	3185.98434216057	3176.320468897	115.0229901144223	126.1939144626751
271	275	20331	-192741.1413	793237.3172050766	39.545867330116									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.f	BRiElevBothKrg.f	SurfAtthBothKrg.f	SurfAtthBoth.f
353	275	13113	-138621.1413	793237.31720250766	39.54679747367275	-101.2907261	303167.7349038027	4379964.164256622	3348.9132179504286	360.642414388478	3071.15424644788745	3071.1562166358586	84.881676790960336	88.49619773
354	275	13114	-137961.1413	793237.31720250766	39.54680694171746	-101.288337	303368.7655446381	4379960.08295453	3347.943443604048	3159.57143358826	3069.145743277483	3068.808769420031	90.37166203	90.3666693799541
355	275	13115	-137201.1413	793237.31720250766	39.546816364576824	-101.2860481	303689.7698936126	4379956.03256174	3346.9842472978993	3158.932158744899	3068.96849113296	3068.324594	92.06854071	92.06854071
356	275	13116	-136641.1413	793237.31720250766	39.54682544225082	-101.283709	303770.82625021605	4379953.00733874	3345.03049032014	3157.34539	3065.242706982937	3063.101561	92.10083375569091	94.24380620432989
357	275	13117	-135981.1413	793237.31720250766	39.54683507473939	-101.28137	303971.8563146539	4379947.9017223747	3345.0782107661157	3156.29887	3063.304076	3058.96892561568	92.8888111	97.32299451508197
358	275	13118	-135321.1413	793237.31720250766	39.54684436204257	-101.2790309	304172.8861871301	4379943.63637987	3344.126073	3155.258933118134	3061.239769050004	3052.64131641319	92.61194636121292	92.61194636121292
359	275	13119	-134661.1413	793237.31720250766	39.54685360416033	-101.2766919	304373.9158678512	4379939.371765784	3342.85939675909	3154.27870934385003	3060.917093938305	3044.29730112719	95.06587248682714	109.9386248682714
360	275	13120	-134001.1413	793237.31720250766	39.54686281002654	-101.2743529	304574.94535702385	4379935.707110731	3341.278175493184	3153.217997220105	3058.968478210146	3042.33736191291	96.2952539969583	110.8806353084196
361	275	13121	-133341.1413	793237.31720250766	39.54687195283947	-101.2720138	304775.9746545587	4379931.753258247	3339.4234972799618	3152.20496871416	3056.493215874989	3040.339624915867	97.27033694215867	125.240005738458
362	275	13122	-132681.1413	793237.31720250766	39.5468810	-101.2694748	304977.00376154993	4379927.57450328	3338.115738227348	3151.187562757436	3052.891879040752	3042.52255848298	98.29567482265639	101.6553087844848
363	275	13123	-132021.1413	793237.31720250766	39.546890120776645	-101.2673537	305176.93657730423	4379923.51443883	3338.36821842833	3150.171905588007	3050.7831825931274	3049.215700000000	99.7806796742825	106.90028765904157
364	275	13124	-131361.1413	793237.31720250766	39.54689913696895	-101.2649697	305379.9140240374	4379919.45061846	3334.545377455756	3149.154101992074	3048.926929413239	3048.69296617463	100.2271725788322	106.46113507460859
365	275	13125	-130701.1413	793237.31720250766	39.54690810797178	-101.2626576	305580.0898368503	4379915.80929214	3332.340453087675	3148.33136692317	3047.600148169992	3047.33196325639	100.519613285223506	100.519613285223506
366	275	13126	-130041.1413	793237.31720250766	39.54691703	-101.2603186	305761.1183	4379911.23740409	3330.6267086815983	3147.107431748801	3045.9624179101533	3045.9043024213185	101.1250138364765	107.61738972748248
367	275	13127	-129381.1413	793237.31720250766	39.5469264422468	-101.2579796	305982.1464351371	4379907.26004408	3328.517890606175	3146.0744687082165	3044.49504343583	3043.93997073797	101.62534406363259	102.1348778407434
368	275	13128	-128721.1413	793237.31720250766	39.54693474987276	-101.2556405	306183.1743923247	4379903.197867708	3326.2140872173336	3145.035381154887	3042.90106525511	3042.489011018021	102.134272859975	102.54632793251752
369	275	13129	-128061.1413	793237.31720250766	39.54694354013521	-101.2533015	306384.20217381336	4379899.134985632	3323.910284	3143.989128826993	3041.575641017694	3041.1178003285184	102.41348791090513	102.41348791090513
370	275	13130	-127401.1413	793237.31720250766	39.54695228521290	-101.2509624	306585.225812908	4379895.59041053	3321.606451138635	3142.93723	3040.3210011138635	3039.84236581847	102.61262279129166	103.094812859148
371	275	13131	-126741.1413	793237.31720250766	39.5469609	-101.2486234	306786.2571545226	4379891.02034689	3319.602062415475	3141.8787220038716	3039.13623404233	3038.66924443289	102.742487906393	103.2047970058269
372	275	13132	-126081.1413	793237.31720250766	39.5469696398085	-101.2462843	306987.2843611542	4379886.948	3317.801382405594	3140.81382405594	3037.991992484559	3037.69148129123	102.84631857103509	103.44634580435905
373	275	13133	-125421.1413	793237.31720250766	39.546978249328774	-101.2439953	307188.1317891207	4379882.88631954	3316.191960688374	3139.7428709347632	3036.521612862791	3035.524704698232	102.8307270797225	103.2181086855313
374	275	13134	-124761.1413	793237.31720250766	39.54698613667175	-101.2416062	307389.33850730126	4379878.57431128	3314.486912895573	3138.66889222096	3035.0445641561474	3034.622504269476	102.9181307300759	103.6271430034676
375	275	13135	-124101.1413	793237.31720250766	39.547004546883254	-101.2391881	307603.9442021706	4379874.340023242	3312.30475413917623	3137.41192507369155	3032.22789504573	3032.1496732232425	102.9823545819876	103.6271430034676
376	275	13136	-123441.1413	793237.31720250766	39.54700386778385	-101.2369281	307791.3140026575	4379870.702153588	3310.006145673328	3136.513626305178	3034.7476953195143	3033.528391886397	102.98523476602387	102.98523476602387
377	275	13137	-122781.1413	793237.31720250766	39.547011224	-101.2345891	307992.417665245	4379866.64118843	3077.587317678931	3077.587317678931	3033.71659236014	3033.71659236014	102.98523476602387	102.98523476602387
378	275	13138	-122121.1413	793237.31720250766	39.54702061914665	-101.23225	308193.943474171837	4379862.5940411005	3305.166487895923	3134.3417992247737	3032.952299848404	3031.867564148297	102.98523476602387	102.98523476602387
379	275	13139	-121461.1413	793237.31720250766	39.54702895752136	-101.229911	308394.46963055036	4379858.11901355	3302.015622923657	3132.2485420825756	3032.186611080465	3031.6595348194629	102.98523476602387	102.98523476602387
380	275	13140	-120801.1413	793237.31720250766	39.54703725077184	-101.2275719	308595.4933195014	4379854.459995958	3300.324721860105	3132.14774966129	3031.457615300544	3030.92592490835	102.98523476602387	102.98523476602387
381	275	13141	-120141.1413	793237.31720250766	39.54704546883254	-101.2252329	308796.52864612055	4379850.394989821	3298.755413917623	3131.0192507369155	3030.22789504573	3030.1496732232425	102.98523476602387	102.98523476602387
382	275	13142	-119481.1413	793237.31720250766	39.5470537616368	-101.222938	308997.30716368	4379846.33602018	3296.13973731313	3129.940774358163	3030.127126035	3030.05752509116	102.98523476602387	102.98523476602387
383	275	13143	-118821.1413	793237.31720250766	39.547061859316074	-101.2205548	309198.5713136012	4379842.279967178	3286.112068570264	3128.817354790268	3029.240447070333	3031.35310684702	102.98523476602387	102.98523476602387
384	275	13144	-118161.1413	793237.31720250766	39.547069971792475	-101.2182157	309399.5962673229	4379838.250112294	3281.133019208016	3127.693847398129	3028.143658897196	3031.752563343964	95.5678850093032	111.968213948716603
385	275	13145	-117501.1413	793237.31720250766	39.54707803908304	-101.2158766	309580.02610346378	4379834.161282357	3276.914552456784	3126.562461351128	3026.8459602058374	3031.352325567184	99.71650114529075	109.21022578394422
386	275	13146	-116841.1413	793237.31720250766	39.54708606118767	-101.2135376	309801.6456157434	4379830.120270361	3273.31575858216	3125.420063499465	3025.385083763768	3031.2003892756104	107.1936257505042	107.1936257505042
387	275	13147	-116181.1413	793237.31720250766	39.54709408106462	-101.2111985	310002.6701087799	4379826.03457295	3268.923261781739	3124.276754059562	3023.932078880719	3030.949224121825	105.7785299741372	105.7785299741372
388	275	13148	-115521.1413	793237.31720250766	39.54710289393254	-101.208869	310203.9442021706	4379817.984897152	3266.755413917623	3123.0192507369155	3030.22789504573	3030.1496732232425	102.98523476602387	102.98523476602387
389	275	13149	-114861.1413	793237.31720250766	39.54710856356104	-101.2065204	310404.7136097936	4379817.984897152	3264.91130627006	3121.960802133964	3029.491572422245	3031.989220742619	105.7785299741372	105.7785299741372
390	275	13150	-114201.1413	793237.31720250766	39.547117697747154	-101.2041814	310605.740282341	4379813.8683169	3248.40725958649	3120.766580285736	3031.5878721	3031.664149402775	102.98523476602387	102.98523476602387
391	275	13151	-113541.1413	793237.31720250766	39.54712543822118	-101.2018423	310806.765375452	4379809.01846189	3242.9833120440483	3119.564217069308	3031.269765935698	3031.269765935698	102.98523476602387	102.98523476602387
392	275	13152	-112881.1413	793237.31720250766	39.547133244911244	-101.1995032	311007.7882037879	4379805.752736364	3238.304957	3118.34076428735	3031.373184421741	3031.21405510416334	102.98523476602387	102.98523476602387
393	275	13153	-112221.1413	793237.31720250766	39.54714095071429	-101.1971642	311208.8124872964	4379801.69526015	3233.652302151534	3117.0951940739888	3030.8807376422965	3030.8807376422965	102.98523476602387	102.98523476602387
394	275	13154	-111561.1413	793237.31720250766	39.54714861133135	-101.1948251	311408.835619674	4379798.37583247	3226.9617716184251	3115.824103364818	3030.606209373275	3030.606209373275	102.98523476602387	102.98523476602387
395	275	13155	-110901.1413	793237.31720250766	39.5471569310368	-101.1925329	311628.9692284571	4379794.340023242	3224.91130627006	3114.955525091163	3030.5963363651	3030.515225249277	102.98523476602387	102.98523476602387
396	275	13156	-110241.1413	793237.31720250766	39.54716379070471	-101.190147	311811.8812312162	4379789.52400929	3220.770277918205					

ix	iv	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SurfElev.f	W.Lt.f
475	275	20329	-55461.14133	793237.3170250766	39.54763460758307	-00.99600636	328486.1464577295	4793453.612637075	313.4839209800336	2993.4241622860777	2914.733818321486	2913.598792160586	78.69034396457982	79.8253071529165
480	275	20340	-54801.14133	793237.3170250766	39.547638382158055	-00.99636465	328897.1544545407	4793449.520074455	312.2066239105876	2993.3984738158226	2913.5989864953274	2913.5989864953274	78.62274716649517	79.48081280372882
481	275	20341	-54141.14133	793237.3170250766	39.54764121154613	-00.99713824	328988.1525464496	4793445.484167264	312.837331	2993.5705614678956	2902.0269897711522	2910.810884533007	78.60228485835988	79.37186010033325
482	275	20342	-53541.14133	793237.3170250766	39.547645796747236	-00.98896343	329009.16904817746	4793440.45504341	3123.65801632109194	2989.10456241614	2910.457598533169	2910.53119624008	78.6033057909522	80.07336611150618
483	275	20343	-52821.14133	793237.3170250766	39.54764943476135	-00.9866472	329300.1774462807	4793437.407935615	311.2008520637227	2986.6689980193505	2908.897152	2907.48174950050863	78.76974773455959	80.24815079687323
484	275	20344	-52161.14133	793237.3170250766	39.54765032858848	-00.98438031	329501.14777870337	4793431.370143308	311.2008467957467	2986.225203434303	2907.550973	2905.905730612837	78.67423079845321	80.31816413
485	275	20345	-51501.14133	793237.3170250766	39.54765665722866	-00.98198199	329702.191943941	4793429.333	311.4123714995286	2984.770085805635	2905.319227992783	2903.9040805252965	79.45438036	80.76422594533842
486	275	20346	-50841.14133	793237.3170250766	39.54766006081815	-00.9796299	329903.1988435058	4793425.295208851	311.411729112784	2983.309940427773	2903.68624513077	2903.904080925621	79.6231611296961	80.21904972
487	275	20347	-50181.14133	793237.3170250766	39.5476633984881	-00.9781329	330104.20578718673	4793421.25893585	310.5705614678956	2982.542484616854	2902.9269897711522	2910.810884533007	78.46861871230578	79.46861871230578
488	275	20348	-49511.14133	793237.3170250766	39.54766695202715	-00.9749517	330305.21247160555	4793417.1213388	310.70630016312	2980.91743655872	2900.919319216302	2905.29525232738	79.39941541197971	75.02248242597873
489	275	20349	-48861.14133	793237.3170250766	39.54767032	-00.9728126	330506.2188502112	4793413.18442743	309.7846158556247	2978.735093106053	2900.357414997118	2903.105800431616	78.4167161809351	75.6677088788565
490	275	20350	-48201.14133	793237.3170250766	39.5476736426244	-00.97072735	330707.2252916122	4793409.14732179	309.7829357115336	2977.182603353158	2899.831999539297	2899.4536382407	77.35060331322819	77.29703952575189
491	275	20351	-47541.14133	793237.3170250766	39.547676920014256	-00.96793434	330908.2314666114	4793405.11663189	308.9166347448247	2975.5436814132768	2898.8984174056604	2898.13632098647	76.562400761633	77.04704931
492	275	20352	-46881.14133	793237.3170250766	39.54768015247363	-00.9659594	331109.2374721363	4793401.07590261	308.80333296711835	2973.863167711835	2897.91388426129	2897.91388426129	75.93140542338847	75.93140542338847
493	275	20353	-46221.14133	793237.3170250766	39.54768339631765	-00.9635263	331310.2432253607	4793397.39743387	308.626319818434	2972.1544234312	2896.6573823483147	2896.404999472839	75.49404999472839	75.49404999472839
494	275	20354	-45561.14133	793237.3170250766	39.54768661874844	-00.96109172	331511.249006022	4793393.004112561	308.8472940551736	2969.3411711984304	2893.571712267602	2893.571712267602	75.0768502	75.0768502
495	275	20355	-44901.14133	793237.3170250766	39.547689878344595	-00.9585781	331712.25454371524	4793389.96887773	307.7793290968031	2968.6701298754897	2893.734915274201	2891.9555812860667	74.93521480126885	74.93521480126885
496	275	20356	-44241.14133	793237.3170250766	39.54769262992748	-00.956239	331913.297897972	4793384.93349071	307.429226969301	2968.912196244744	2892.08951007377	2890.198451116265	74.714581671327149	74.714581671327149
497	275	20357	-43581.14133	793237.3170250766	39.54769566323208	-00.9538999	332114.2650715118	4793380.89851278	307.848524	2965.14700338876	2890.58331555275	2889.749826342923	74.563874861012	74.563874861012
498	275	20358	-42921.14133	793237.3170250766	39.547698859733205	-00.9515608	332315.2701000645	4793376.786374957	307.400281051784	2963.37314601282	2889.474855780821	2889.474855780821	74.54854781982626	74.54854781982626
499	275	20359	-42261.14133	793237.3170250766	39.547701513535754	-00.9492217	332516.274965631	4793372.829	306.8405189995475	2961.06537576567	2889.084297154234	2889.0760324183	74.5270780501428	74.5270780501428
500	275	20360	-41601.14133	793237.3170250766	39.54770438438534	-00.9468826	332712.2796851194	4793368.79484117	306.8066671073129	2959.533235	2888.784481687568	2888.505931242245	74.0485717261791	74.0485717261791
501	275	20361	-40941.14133	793237.3170250766	39.54770726102588	-00.9445721	332912.3081485481	4793364.280724207	306.8018914849837	2958.0914849837	2888.290922195164	2888.290922195164	73.7165018760843	73.7165018760843
502	275	20362	-40281.14133	793237.3170250766	39.5477099049769	-00.9422044	333119.2888669894	4793360.72604064	306.811585223497	2956.29439339034	2886.45105399738	2895.531106170325	74.04514053315529	74.04514053315529
503	275	20363	-39621.14133	793237.3170250766	39.5477127257709	-00.9398653	333320.292053157	4793356.69315388	306.819338325624	2954.526560137844	2901.685703211903	2900.449371582478	74.0768286267953	74.0768286267953
504	275	20364	-38961.14133	793237.3170250766	39.54771541585722	-00.9375262	333521.296965437	4793352.65983017	306.817347242052	2952.764928490649	2904.520710933667	2901.685703211903	74.04514053315529	74.04514053315529
505	275	20365	-38301.14133	793237.3170250766	39.54771806756324	-00.9351871	333722.3006482147	4793348.6242148	306.817671608577	2951.008080732003	2902.7340462839984	2900.986708478885	74.02262266441494	74.02262266441494
506	275	20366	-37641.14133	793237.3170250766	39.5477206046832	-00.932848	333923.3406	4793344.59339225	306.8126937945102	2949.25734945344	2899.038442701534	2899.038442701534	74.02262266441494	74.02262266441494
507	275	20367	-36981.14133	793237.3170250766	39.5477232142789	-00.9305688	334124.3081485481	4793340.665228	306.8126937945102	2947.513465296732	2898.290922195164	2888.290922195164	73.7165018760843	73.7165018760843
508	275	20368	-36321.14133	793237.3170250766	39.547725812533094	-00.9281698	334325.3115569012	4793336.1950178	306.811775189716	2945.778177175166	2897.84029411555	2897.84029411555	73.7165018760843	73.7165018760843
509	275	20369	-35661.14133	793237.3170250766	39.547728188481564	-00.9258307	334526.314804252	4793332.45658039	306.8103154388284	2944.0518932506584	2888.816228101163	2888.816228101163	73.7165018760843	73.7165018760843
510	275	20370	-35001.14133	793237.3170250766	39.5477310744959	-00.9234916	334727.3178901637	4793328.43439215	306.8105473395136	2942.35246910982	2886.8044064511	2886.8044064511	73.7165018760843	73.7165018760843
511	275	20371	-34341.14133	793237.3170250766	39.5477328122145	-00.9211525	334928.3208170896	4793324.431	306.810797400354	2940.628780986523	2882.957691811905	2882.957691811905	73.7165018760843	73.7165018760843
512	275	20372	-33681.14133	793237.3170250766	39.547735613071075	-00.9188134	335129.323268191	4793320.3996004	306.81038356125294	2938.39533484206	2880.187625079148135	2880.187625079148135	73.7165018760843	73.7165018760843
513	275	20373	-33021.14133	793237.3170250766	39.547737952177444	-00.9164743	335330.322	4793316.38265165	306.81183824705	2937.248140309484	2889.038442701534	2889.038442701534	73.7165018760843	73.7165018760843
514	275	20374	-32361.14133	793237.3170250766	39.5477402545565	-00.9141352	335531.3289	4793312.3385049	306.811775189716	2935.573248791613	2887.84029411555	2887.84029411555	73.7165018760843	73.7165018760843
515	275	20375	-31701.14133	793237.3170250766	39.5477420245565	-00.9117661	335722.33092102034	4793308.76057053	2994.9035456227384	2933.9072788211927	2887.770580778873	2887.770580778873	73.7165018760843	73.7165018760843
516	275	20376	-31041.14133	793237.3170250766	39.547744172296134	-00.909457	335933.33047391	4793304.274857117	2981.283205	2932.250198	2886.2467798405454	2886.2467798405454	73.7165018760843	73.7165018760843
517	275	20377	-30381.14133	793237.3170250766	39.5477462749459	-00.9071179	336134.35013540497	4793300.244211031	2967.6651365642312	2882.075732645106	2881.143642126074	2881.143642126074	73.7165018760843	73.7165018760843
518	275	20378	-29721.14133	793237.3170250766	39.5477483241589	-00.904778	336335.3368239227	4792926.21762789	2928.36310102672683	2928.36310102672683	2880.325946262927	2880.325946262927	73.7165018760843	73.7165018760843
519	275	20379	-29061.14133	793237.3170250766	39.547750344695023	-00.9024397	336536.33847359824	4792922.18335082	2901.262921723054	2927.3346691027395	2887.1526969337028	2887.1526969337028	73.7165018760843	73.7165018760843
520	275	20380	-28401.14133	793237.3170250766	39.54775231176097	-00.9001006	336737.3396453555	479288.15331379	2906.3226108148956	2925.71491201318	2886.426543504762	2885.519131419403	73.7165018760843	73.7165018760843
521	275	20381	-27741.14133	793237.3170250766	39.54775461273401	-00.8978379	336934.346868276	479283.76190178	2905.459514337314	2923.573248791613	2884.024711288024	2884.024711288024	73.7165018760843	73.7165018760843
522	275	20382	-27081.14133	793237.3170250766	39.5477561176937	-00.8954225	337124.347416233	479280.01428025	2904.41489895874	2922.5038020351	2884.024711288024	2884.024711288024	73.7165018760843	73.7165018760843
523	275	20383	-26421.14133	793237.3170250766	39.54775794	-00.8930384								

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.	BRElevBothKrg.	SatHLogKrg.	SatHBoth.
605	275	20365	26788.8586730335	792327	31.702050766	39.54475436	-100.70127771	353821.90887865325	4378946.390034429	2300.131377621557	2303.424549116645	70.0480149954963	69.84250237924558
606	275	20366	26358.8586730335	792327	31.702050766	39.54475244	-100.698938	354022.8974960094	4378942.3785466646	2897.018377591045	2891.2642645372546	69.41662402599444	69.71579688014434
607	275	20367	26918.8586730335	792327	31.702050766	39.5447504707664	-100.698938	354223.8986	4378938.2672378373	2893.902416726811	2890.2269185826254	69.394241578871	69.82431784885191
608	275	20368	26784.8586730335	792327	31.702050766	39.54474842686414	-100.694258	354424.873089229	4378944.356216347	2798.5781423138333	2799.38996407637	68.28542639641202	68.1824500619624
609	275	20369	30383.8586730335	792327	31.702050766	39.54474640811499	-100.6919207	354625.8625047727	4378930.34533772	2785.66054182424	2796.913228471001	68.272821563221	68.68215820506456
610	275	20370	30998.8586730335	792327	31.702050766	39.5447443035642	-100.6895186	354845.8056063984	4378926.334746247	2786.252894714339	2776.951151072787	68.27743683705239	67.410183941
611	275	20371	31658.8586730335	792327	31.702050766	39.54474214310696	-100.6872425	355027.83847614215	4378922.324333757	2780.1996917657235	2793.527742582708	67.196443131576	67.40808022
612	275	20372	33273.18586730335	792327	31.702050766	39.54473997327779	-100.684934	355228.8262516268	4378918.134136294	2784.5846997175723	2791.809205	67.2611065646456	67.468113958
613	275	20373	32978.8586730335	792327	31.702050766	39.5447377765777	-100.682943	355429.813886951	4378914.196434987	2785.0378869719462	2795.5026986994274	67.358392689929	67.468113958
614	275	20374	33628.8586730335	792327	31.702050766	39.544735457450564	-100.6802252	355620.8013859013	4378910.23486421	2786.3211610315613	2795.205876476505	67.3111925156626	67.468113958
615	275	20375	34298.8586730335	792327	31.702050766	39.544733311756206	-100.6778861	355831.878909613	4378906.284833994	2856.97949720891	2786.555762410354	67.26546851	67.358392689929
616	275	20376	34958.8586730335	792327	31.702050766	39.5447307687447	-100.675547	356032.775963134	4378902.27496556	2849.805034069166	2784.774971743636	67.2738067528636	67.3789040972407
617	275	20377	35618.8586730335	792327	31.702050766	39.54472834480613	-100.6732079	356233.7603436269	4378896.266374101	2872.923304304553	2789.471846777865	67.2918349474826	67.358392689929
618	275	20378	36278.8586730335	792327	31.702050766	39.5447258835042	-100.6708688	356434.74996505	4378892.25466628	2835.426647714493	2781.168308823723	67.3216130366537	67.3216130366537
619	275	20379	36938.8586730335	792327	31.702050766	39.5447233710754	-100.6685927	356635.376959511	4378884.28477117	2826.768477119489	2779.342718721623	67.34826936827238	67.34826936827238
620	275	20380	37598.8586730335	792327	31.702050766	39.5447208254754	-100.6661906	356836.354549937	4378880.24025663	2822.60131892038	2777.918701671019	67.3740190910045	67.3740190910045
621	275	20381	38298.8586730335	792327	31.702050766	39.5447182266645	-100.663815	357037.709982763	4378872.32	2816.434031181566	2775.84679	67.37112719525612	67.37112719525612
622	275	20382	38918.8586730335	792327	31.702050766	39.5447156956524	-100.6615124	357238.696372657	4378878.2396296	2810.26548719205	2773.780190613317	67.372373295723165	67.372373295723165
623	275	20383	39578.8586730335	792327	31.702050766	39.5447129	-100.6591733	357439.6826525082	4378874.216	2811.0612894019	2771.895857464277	67.3739266459092	67.3739266459092
624	275	20384	40238.8586730335	792327	31.702050766	39.544710167068514	-100.6568433	357640.68740949	4378870.20835373	2809.95174447383	2770.70264051656	67.3740190910045	67.3740190910045
625	275	20385	40988.8586730335	792327	31.702050766	39.5447073995209	-100.6544952	357841.65471923025	4378866.20132854	2826.58032338812	2768.0159829682	67.3740190910045	67.3740190910045
626	275	20386	41588.8586730335	792327	31.702050766	39.544705676836	-100.6521167	358042.6405607163	4378862.19394459	2834.33949	2768.14480679428	67.3740190910045	67.3740190910045
627	275	20387	42188.8586730335	792327	31.702050766	39.544703958856	-100.6497487	358243.62869286	4378858.149847184	2842.581636971302	2768.26581636971302	67.3740190910045	67.3740190910045
628	275	20388	42878.8586730335	792327	31.702050766	39.54469875871018	-100.647479	358444.611833922	4378854.10213549	2839.1839115576326	2762.293273598095	67.3740190910045	67.3740190910045
629	275	20389	43538.8586730335	792327	31.702050766	39.54469587238807	-100.6451388	358645.5972661836	4378850.197291249	2838.8267799027467	2760.247912656548	67.3740190910045	67.3740190910045
630	275	20390	44198.8586730335	792327	31.702050766	39.5446928738565	-100.6427997	358846.5826622615	4378846.16733974	2840.469641463166	2758.251051393976	67.3740190910045	67.3740190910045
631	275	20391	44858.8586730335	792327	31.702050766	39.544689775197855	-100.6404066	359047.5678226133	4378842.161	2846.17645201779866	2756.250421679866	67.3740190910045	67.3740190910045
632	275	20392	45518.8586730335	792327	31.702050766	39.54468668	-100.6381215	359248.5524733023	4378838.15527408	2847.9471914984715	2754.2161699	67.3740190910045	67.3740190910045
633	275	20393	46178.8586730335	792327	31.702050766	39.54468376	-100.6358784	359449.5377368875	4378834.19344587	2852.717930985151	2752.1959921405997	67.3740190910045	67.3740190910045
634	275	20394	46838.8586730335	792327	31.702050766	39.5446808711355	-100.633543	359649.52249638	4378830.14174422	2857.4890747181	2750.141632097544	67.3740190910045	67.3740190910045
635	275	20395	47498.8586730335	792327	31.702050766	39.544677172851475	-100.6311042	359851.5071099024	4378826.13880166	2857.095495564193	2748.09534118857	67.3740190910045	67.3740190910045
636	275	20396	48158.8586730335	792327	31.702050766	39.54467385391935	-100.6287651	360052.491594309	4378822.13328731	2857.31166823871	2746.0641077574	67.3740190910045	67.3740190910045
637	275	20397	48818.8586730335	792327	31.702050766	39.54467053	-100.626426	360253.475944076	4378818.12905612	2845.9700686213225	2744.962571606175	67.3740190910045	67.3740190910045
638	275	20398	49478.8586730335	792327	31.702050766	39.54466716914444	-100.6240689	360454.460194642	4378814.7214	2840.405059773474	2741.9505519732156	67.3740190910045	67.3740190910045
639	275	20399	50138.8586730335	792327	31.702050766	39.54466375890014	-100.6217478	360655.44200181	4378810.1205225	2842.7904027221	2739.91115	67.3740190910045	67.3740190910045
640	275	20400	50798.8586730335	792327	31.702050766	39.544660393856	-100.6194087	360856.42819277	4378806.116	2842.581636971302	2738.0787919816	67.3740190910045	67.3740190910045
641	275	20401	51458.8586730335	792327	31.702050766	39.5446570030357	-100.617096	361057.412004151	4378802.11905469	2845.884341356603	2735.891741278733	67.3740190910045	67.3740190910045
642	275	20402	52118.8586730335	792327	31.702050766	39.5446535275831	-100.6147306	361258.395963549	4378798.106	2849.186919212244	2733.8361076348	67.3740190910045	67.3740190910045
643	275	20403	52778.8586730335	792327	31.702050766	39.5446496635305	-100.6123915	361459.327927264	4378794.1046187645	2848.88715220446	2731.826379878816	67.3740190910045	67.3740190910045
644	275	20404	53438.8586730335	792327	31.702050766	39.54464603	-100.6100524	361660.3626136195	4378790.101	2844.98501119969	2729.832789640333	67.3740190910045	67.3740190910045
645	275	20405	54098.8586730335	792327	31.702050766	39.54464234892758	-100.6077133	361861.349218582	4378786.09819103	2841.02820719917	2727.848775610246	67.3740190910045	67.3740190910045
646	275	20406	54758.8586730335	792327	31.702050766	39.5446382434411	-100.6053742	362062.329696021	4378782.0952639	2837.180031943333	2725.803239399527	67.3740190910045	67.3740190910045
647	275	20407	55418.8586730335	792327	31.702050766	39.544634845428	-100.6030296	362264.299677659	4378778.0190686	2834.634461356603	2723.891741278733	67.3740190910045	67.3740190910045
648	275	20408	56078.8586730335	792327	31.702050766	39.544631338778	-100.6007632	362464.299677659	4378774.0190686	2834.634461356603	2723.891741278733	67.3740190910045	67.3740190910045
649	275	20409	56738.8586730335	792327	31.702050766	39.544627717833156	-100.5983569	362657.277185596	4378770.07912222	2837.1754907493544	2721.805487756247	67.3740190910045	67.3740190910045
650	275	20410	57398.8586730335	792327	31.702050766	39.54462326459218	-100.5960178	362866.26033471	4378766.05879267	2810.519371350954	2718.193805172325	67.3740190910045	67.3740190910045
651	275	20411	58058.8586730335	792327	31.702050766	39.54461931216427	-100.5936787	363067.2428261647	4378762.04060995	2811.0652487132244	2716.324232296748	67.3740190910045	67.3740190910045
652	275	20412	58718.8586730335	792327	31.702050766	39.5446153145498	-100.5913936	363268.251209297	4378758.05427398	2812.715757087325	2714.477678023018	67.3740190910045	67.3740190910045
653	275	20413	59378.8586730335	792327	31.702050766	39.54461127177475	-100.5890906	363469.204067475	4378754.01864842	2812.715757087325	2714.477678023018	67.3740190910045	67.3740190910045
654	275	20414	60038.8586730335	792327	31.702050766	39.544607592105	-100.586815	363670.184979629	4378750.07912222	2810.519371350954	2712.8036719816	67.3740190910045	67.3740190910045
655	275	20415	60698.8586730335	792327	31.702050766	39.54460390563375	-100.5845224	363871.174603937	437874				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIveKgr.f	BREIveBothKgr.f	SatThKgr.f	SatThBothKgr.f
731	275	34191	11088.85687307335	973237.3172050766	39.547156713101555	-100.4065826	279145.4334073554	4784284.633366081	2704.975222400554	59.79400263747914	2537.227508155255	2537.200536205947	57.562515519536648	57.589487468844254
732	275	342492	11116.85687307335	973237.3172050766	39.547149105655335	-100.4042138	279348.40597181104	478348.649	2703.5566873951507	59.766739691797	2533.211187703305	2533.0210206163324	59.75557937379182	59.948637620076446
733	275	342493	112176.85687307335	973237.3172050766	39.54714142883606	-100.4017428	279647.3788473841955	478343.646691911	2702.1381657103495	59.811424927	2530.4778372308466	2530.2631222728485	60.68911939116335	60.878936293806373
734	275	342494	112838.85687307335	973237.3172050766	39.54713373934836	-100.3995354	279847.35063036095	478340.680630724	2701.719635634545	59.89136637428415	2529.810564245239	2529.8107629062504	59.95506946072044	59.50635735
735	275	342495	113408.85687307335	973237.3172050766	39.54712599184062	-100.3971964	279949.3228	478342.669813457	2701.95901498740657	59.874886248079943	2528.6718951553257	2528.8941612187813	59.8712965266683	58.59128098227599
736	275	342496	114158.85687307335	973237.3172050766	39.547118195850405	-100.3948573	380150.29483113065	478342.731210097	2705.856312	59.8568956327121	2524.4730437245057	2524.5080237353995	61.18591206261519	61.15039231971326
737	275	342497	114818.85687307335	973237.3172050766	39.54711030642444	-100.3925182	380351.266706376423	478344.718292637	2709.7536053742537	59.8327608252222	2521.846004302544	2521.9083201052135	61.9818632136767	61.91938715
738	275	342498	115478.85687307335	973237.3172050766	39.5471027464215	-100.3901792	380552.32876576423	478344.7182	2713.615699128359	59.81945290001767	2520.267312466098	2519.8895843112955	61.72738995	62.1043688888117
739	275	342499	116138.85687307335	973237.3172050766	39.5470954760412	-100.3874601	380755.21027754503	478344.7182	2715.508625564665	59.801596145905	2517.46466383684	2516.8665407528165	62.8651316522123	63.25936293806373
740	275	342500	116798.85687307335	973237.3172050766	39.54708957339017	-100.3850111	380954.1819	478346.7803551	2707.30384871338	59.781321613766485	2510.36118372745	2511.67727988987	62.9840238042562	64.6488134768131
1	276	35051	370941.1413	973897.3172050766	39.54204736835834	-102.1140411	382355.6285362057	478346.7803551	2708.307607250344	59.748751310218567	3586.1889808095045	3588.63964061451	62.8614212062346	59.8316965171604
2	276	35052	370281.1413	973897.3172050766	39.54249573956702	-102.1171024	323596.795162486	4783166.12286255	3762.1059933134	3647.2153398708297	3582.9853770370146	3586.627070089493	64.2296263831508	60.77608908037
3	276	35053	369621.1413	973897.3172050766	39.54252106657388	-102.1093637	323797.85024109646	4783166.12286255	3760.54147408995	3645.8618464994447	3585.136667411843	3585.72917908701646	60.102524906891066	60.102524906891066
4	276	35054	368961.1413	973897.3172050766	39.54254634840598	-102.1071025	323988.9607101081	47831597.836746255	3762.3030174791763	3644.5109014147984	3578.16039819211	3579.473670969422	66.3505027956574	65.3641651387631
5	276	35055	368301.1413	973897.3172050766	39.54257158505237	-102.1048683	323920.0706941907	4783159.632944904	3764.0646847159036	3643.162374686859	3577.237578191979	3578.502681188998	65.6294967486722	64.6597132496937
6	276	35056	367641.1413	973897.3172050766	39.54259671645557	-102.1023476	323401.18027278024	47831589.55025555	3765.827909772243	3641.8169335238256	3577.45030363046	3578.2175176319774	64.3578991777757	63.59941819184148
7	276	35057	366981.1413	973897.3172050766	39.54261252826596	-102.1000088	323602.2949382312	47831585.41	3760.592353439314	3640.474051751416	3577.1044464667443	3576.678339628543	63.369052487613	63.836461829832705
8	276	35058	366321.1413	973897.3172050766	39.54264702398537	-102.0976701	323803.3999651926	47831581.26817145	3778.362819543940	3638.17962093406	3575.9230658372776	3575.7957168196432	61.73170327150527	63.3390739
9	276	35059	365661.1413	973897.3172050766	39.54267270994272	-102.0953314	324004.5090352832	47831577.126650887	3786.1330338824	3637.8003497620016	3573.8793256455033	3573.234356617813	63.92102411748629	64.5659933
10	276	35060	365001.1413	973897.3172050766	39.5426970072488	-102.0929927	324205.617910241	47831575.88179978	3793.903788060405	3636.407731932035	3572.08652575912	3572.467997515135	64.0027740329139	64.0027740329139
11	276	35061	364341.1413	973897.3172050766	39.5427220653321	-102.0906654	324604.7262251401	47831568.84019016	3794.0240997058	3635.146101881267	3569.3586000501927	3569.3586191933763	65.7874183107432	65.04848287450418
12	276	35062	363681.1413	973897.3172050766	39.54274697676206	-102.0883153	324807.346704687	47831564.70377992	3808.683214571777	3633.523345593367	3557.250582391785	3558.0624842829475	65.568452	65.7060811258927
13	276	35063	363021.1413	973897.3172050766	39.5429011193919	-102.085771	324923.3422774523	47831562.9283224	3814.6768850874	3632.581938454	3556.98114818919	3557.126129271929	67.3092370363092	67.3092370363092
14	276	35064	362361.1413	973897.3172050766	39.542796882102214	-102.0836378	325010.507788428	47831562.41855731	3823.2067573215174	3631.178985841034	3553.672460056274	3564.3953766138	67.5052224847549	66.7801195262731
15	276	35065	361701.1413	973897.3172050766	39.54282146700832	-102.0812991	325211.158383946	47831552.281547485	3828.676321943203	3629.8565497456405	3561.382715680752	3562.2164814891926	68.470068878862	67.64010620043795
16	276	35066	361041.1413	973897.3172050766	39.54284620673904	-102.0789604	325412.265636572	47831548.14151313	3832.33754929053	3628.534687234149	3560.481658922552	3560.851313109986	68.05302824189357	67.68373412452626
17	276	35067	360381.1413	973897.3172050766	39.54287090129435	-102.0766217	325613.3762711881	47831540.06171693	3836.2025545875803	3627.312160958137	3558.59908350688	3558.90579063007	68.614075312584	68.3226532082998
18	276	35068	359721.1413	973897.3172050766	39.5428955506741	-102.0742829	325814.4794574157	47831539.862050149	3839.667328255335	3625.892026357333	3556.897181349285	3557.441200957748	68.99448495	68.7439234599044
19	276	35069	359061.1413	973897.3172050766	39.5429015487948	-102.0719442	325915.568822744	47831539.72848493	3844.818532248493	3616.663958274393	3554.781637456672	3555.8421637456672	69.0188082165394	69.0188082165394
20	276	35070	358401.1413	973897.3172050766	39.5429151390722	-102.0694055	326126.8920274422	47831531.516902324	3851.31516902324	3612.5128999314	3554.240274077644	3554.464774318	69.108783097	69.108783097
21	276	35071	357741.1413	973897.3172050766	39.54296227760345	-102.0672667	3261347.7981966328	47831527.444040422	3877.85873715684	3612.9314515500814	3553.0502048753755	3553.26346514006	68.9262464770591	68.6680003515731
22	276	35072	357081.1413	973897.3172050766	39.54293694647854	-102.064928	326618.930341122	47831523.7657297	3836.402306040467	3620.6123360327997	3552.075419358425	3552.172202	68.9347040965724	68.4401335795278
23	276	35073	356421.1413	973897.3172050766	39.54301811993936	-102.0625893	326820.00939107378	47831519.17624026	3837.500326382486	3619.29362819933	3551.215713036019	3551.171587952108	68.0781497839138	68.1222748471532
24	276	35074	355761.1413	973897.3172050766	39.5430424626561	-102.0602055	327021.1145697901	47831515.02893315	3841.16091660791	3617.9777764384	3550.337950401072	3550.14317654257	67.64618614627679	67.8341459998532
25	276	35075	355101.1413	973897.3172050766	39.543066831419814	-102.0579118	327222.21952458438	47831510.89958548	3844.818532248493	3616.663958274393	3548.3334121137405	3549.0773287345784	67.30338371	67.59172907
26	276	35076	354441.1413	973897.3172050766	39.54309215487948	-102.055771	327423.3422774523	47831510.5283224	3847.6768850874	3615.25482	3547.8615849393	3547.8615849393	67.0126271906392	67.0126271906392
27	276	35077	353781.1413	973897.3172050766	39.5431153621888	-102.0532433	327624.4286527852	47831505.81350436	3848.7285626148005	3614.299632993368	3547.108441575302	3547.97290042421	66.9351841805645	67.24263399
28	276	35078	353121.1413	973897.3172050766	39.54313955981177	-102.0508956	327825.53287190897	47831498.478	3845.57434381047	3612.737224830316	3545.9064613557913	3545.580212467747	66.8328167452459	67.152335354117
29	276	35079	352461.1413	973897.3172050766	39.543163712257177	-102.0485568	328026.633732393	47831494.34072436	3842.420304	3611.433242281357	3544.65395828657	3544.30339196351	67.1784469947862	67.1784469947862
30	276	35080	351801.1413	973897.3172050766	39.54318781952823	-102.0462181	328227.7043692357	47831490.20374095	3843.266175084715	3610.1326017216736	3543.384576458077	3543.2909378384456	67.2232262332803	67.2232262332803
31	276	35081	351141.1413	973897.3172050766	39.54321118613459	-102.0438793	328428.83485651885	47831486.06975412	3835.9311514524318	3608.837827402654	3542.357950401072	3542.357950401072	67.9882775040731	67.44987373384283
32	276	35082	350481.1413	973897.3172050766	39.54323589852767	-102.0415046	328629.4696833287	47831481.30041387	3836.4152513964533	3607.544794943235	3540.73393431327	3539.43827472725	67.9105561190545	68.0909252670773
33	276	35083	349861.1413	973897.3172050766	39.54326178520768	-102.0391691	328829.5487924846	47831472.9584192834	3838.589819749597	3606.389819749597	3538.9819749597	3538.9819749597	67.8308219262762	67.8308219262762
34	276	35084	349161.1413	973897.3172050766	39.5432873968087	-102.0368631	329032.152461941	47831473.65800306	3835.34391886204	3604.9604246162745	3537.0530987276256	3537.0530987276256	66.9498248067732	67.47430083
35														

ix	iv	ic	x	X.ft	Y.ft	Latitude	Longitude	UTM.Z	UTM.Y	SurfElev.	W.Lt.	BREVELogKg.ft	BREVEBothKg.ft	SatHtLogKg.ft	SatHtBothKg.ft
117	276	203617	-293481.1413		973897.3170250766	39.5451122318488	-101.8427416	5557.728789024288	438131.127	3657.378698157957	3492.920276400783	3379.0930810675854	3379.0602226395	337.8179533319778	331.8182741744181
118	276	203618	-293721.1413		973897.3170250766	39.54513234479055	-101.8404027	5559.02336695091073	4381127.009163827	3656.2047037382363	3491.8806954854254	3377.7281469632915	337.75616243040236	337.95274867242386	331.92579471545848
119	276	203619	-293961.1413		973897.3170250766	39.54515243122084	-101.8380638	5561.24349688241278	4381098.191823874	3659.6773487123594	3490.9488377161462	3376.548486	337.73432219454274	331.859233427071328	331.8414175071328
120	276	203620	-294201.1413		973897.3170250766	39.54517247246055	-101.835725	5563.260320166957	4381178.74486576	3667.79663478967	3489.232371987676	3375.63958138104	337.67536313098	331.5834178497721	331.82740084797803
121	276	203621	-294714.1413		973897.3170250766	39.54521046853735	-101.8333861	5565.27112910755	4381116.45879973	3675.915920584734	3488.004627140814	3374.7988833066434	3375.869233566577	331.2057187834379	331.732386860441
122	276	203622	-295081.1413		973897.3170250766	39.54521419425745	-101.8310472	5567.7819356400991	4381054.60549691	3684.702465028008	3478.25468536971	3373.859525401598	337.653027476786	331.9239435	331.81489227622913
123	276	203623	-295421.1413		973897.3170250766	39.54523225134165	-101.8287083	5569.29237897819	4381106.42411431	3687.17401299952	3465.5867504612206	3372.81414524619	337.6717601205647	331.7265603507153	331.80690303507153
124	276	203624	-295916.1413		973897.3170250766	39.54525218566256	-101.8263694	5571.303544967979	4381072.30726716	3685.332423992099	3464.38736408811	3371.6066024655074	3373.729747012967	331.7607653729742	331.805764313462594
125	276	203625	-296910.1413		973897.3170250766	39.54527020101984	-101.8240368	5573.31436250571	4381098.191823874	3688.69069694254	3463.9492814135823	3369.938907934216	3372.45949747936653	331.25497347936653	331.8414175071328
126	276	203626	-298441.1413		973897.3170250766	39.545291771717921	-101.8216917	5575.521377568094	4381094.075714495	3694.64195373562	3462.0071037325843	3369.288977862638	3371.10656584683	331.713126040948	331.80043927470115
127	276	203627	-298771.1413		973897.3170250766	39.54531148616735	-101.8193528	5577.33592229757	4380990.96015971	3678.734797883317	3460.284813633295	3366.52642183191	3369.439177000987	331.249389180138379	331.8363663230978
128	276	203628	-298712.1413		973897.3170250766	39.54533117597355	-101.8170139	5579.6724430071	4381085.84453667	3674.747631323136	3479.6474297228137	3364.81603256676	3368.125720097462	331.87439175604784	331.87439175604784
129	276	203629	-298641.1413		973897.3170250766	39.54535001060314	-101.814675	5581.35.75181057	4381093.72896688	3670.760503128851	3478.475063128851	3362.9860433313358	3367.2048323063	331.858019765154	331.82863230578823
130	276	203630	-298501.1413		973897.3170250766	39.54537005006086	-101.8123361	5583.361550115913	4381076.61249127	3666.77329679047	3477.307904016137	3361.2358201618413	3361.765375032074	331.80720835429567	331.80720835429567
131	276	203631	-298511.1413		973897.3170250766	39.545389944317954	-101.8099973	5585.3873068573587	4381073.499	3662.36432969483	3476.142738742155	3359.259832388895	3366.364748193107	331.862559325664	331.862559325664
132	276	203632	-298481.1413		973897.3170250766	39.54540917010184	-101.8076584	5587.38.9869118682	4381099.384831054	3657.53337293165	3474.975329740039	3357.398605626966	3367.688970935274	331.8769017794251	331.8769017794251
133	276	203633	-298321.1413		973897.3170250766	39.54542889731154	-101.8053195	5589.04648372237	4381065.27	3652.70571516847	3473.8092766554196	3356.445761148454	3370.087893788844	331.8771155092416	331.8771155092416
134	276	203634	-298136.1413		973897.3170250766	39.54544380307756	-101.8029806	5591.14127550372	4381051.15628925	3647.6719661405249	3472.643295698516	3353.48483161342	3376.23119335125	331.8644540059044	331.8644540059044
135	276	203635	-298201.1413		973897.3170250766	39.545467669853566	-101.8006417	5593.222066041755	4381057.042346659	3644.0982172301936	3471.496749349676	3352.026936254551	3373.4311429947216	331.8698582394168	331.8698582394168
136	276	203636	-298141.1413		973897.3170250766	39.54546869874889	-101.7983028	5595.432769767213	4381052.92623718	3647.481491485841	3470.32509438143	3350.187103381394	3369.342004400904	331.860104998309691	331.860104998309691
137	276	203637	-298118.1413		973897.3170250766	39.54550091133745	-101.7956939	5597.474367346988	4381043.851119529	3638.664720414875	3469.251999684831	3348.288596918033	3364.81679130922	331.9274297681393	331.9274297681393
138	276	203638	-298081.1413		973897.3170250766	39.54552549913875	-101.793625	5599.45	4381044.701334382	3635.94004969135	3468.0683640851	3346.334951542314	3360.564524203024	331.957406481684898	331.957406481684898
139	276	203639	-298051.1413		973897.3170250766	39.545549719617875	-101.7916881	5601.46582581	4381048.924817624	3634.621943824814	3466.870429484543	3344.473219254484243	3359.187105154031	331.8594228922883	331.8594228922883
140	276	203640	-279021.1413		973897.3170250766	39.54556381	-101.7898472	5603.74042419178	4381036.47529131	3640.102365356921	3465.8598792220164	3342.605898794592	3351.568809138368	331.92539842702441	331.92539842702441
141	276	203641	-278541.1413		973897.3170250766	39.545582026739	-101.7866083	5605.48.6805462382	4381032.35239131	3644.957131744772	3464.755963817853	3340.8185452913594	3349.027987	331.923741958245373	331.923741958245373
142	276	203642	-277881.1413		973897.3170250766	39.54560194391814	-101.7842694	5607.49.75643185322	4381028.25804086	3640.134645482765	3463.65794085546	3339.0722495109253	3343.285057801984	331.9273881335474	331.9273881335474
143	276	203643	-277221.1413		973897.3170250766	39.54562095145027	-101.7819305	5609.65029145027	4381024.136984047	3640.813540693307	3462.651458422224	3338.559656559458	3337.774097707724	331.92539842702441	331.92539842702441
144	276	203644	-276561.1413		973897.3170250766	39.5456399037813745	-101.7795916	5611.95.9074463238	4381020.26737905	3630.084842644892	3461.473956559595	3336.3217870591434	3335.11287784354	331.92539842702441	331.92539842702441
145	276	203645	-275901.1413		973897.3170250766	39.54565902011011	-101.7772572	5613.92567220983	4381018.8337784	3628.356144683998	3460.39693811078	3334.9178857310284	3333.461038263917	331.92539842702441	331.92539842702441
146	276	203646	-275241.1413		973897.3170250766	39.5456777866979	-101.7749138	5615.95.704511815	4381011.803473957	3626.474663255925	3459.300955190513	3332.751470902613	3332.02571770902613	331.92539842702441	331.92539842702441
147	276	203647	-274581.1413		973897.3170250766	39.54569808404664	-101.7725749	5617.15.13230276922	4381007.667123811	3647.234566824384	3458.203057765167	3332.162638737347	3330.550924647408	331.92539842702441	331.92539842702441
148	276	203648	-273921.1413		973897.3170250766	39.54571528424358	-101.770236	5619.26619622971578	4381003.581026986	3647.157550335647	3457.0828561117683	3332.47292062191	3331.750603743723	331.92539842702441	331.92539842702441
149	276	203649	-273261.1413		973897.3170250766	39.54573042559655	-101.7678971	5621.27.102856723	4380999.47015242	3643.120443604899	3455.971165209489	3330.031360350208	3330.468929619515	331.8858048546471	331.8858048546471
150	276	203650	-272601.1413		973897.3170250766	39.545752701094564	-101.7655582	5623.38.35503019986	4380956.359495343	3641.06382277293	3454.682673505947	3328.847254073708	3325.033072193645	331.92539842702441	331.92539842702441
151	276	203651	-271941.1413		973897.3170250766	39.545771347148576	-101.7632194	5625.59.428	4380991.24950794	3638.389336330086	3453.7572630172	3327.488935922296	3321.75794394064	331.886787379422	331.886787379422
152	276	203652	-271281.1413		973897.3170250766	39.545790272154	-101.7608083	5627.76.502239589	4380987.13837784	3636.25919278924	3452.014394515431	3324.914214165506	3324.914214165506	331.886787379422	331.886787379422
153	276	203653	-270621.1413		973897.3170250766	39.54580876100111	-101.7584414	5629.6157628498	4380983.88708349	3630.877622100739	3450.623853394929	3318.341056533425	3319.182365856297	331.92539842702441	331.92539842702441
154	276	203654	-269961.1413		973897.3170250766	39.54582699	-101.7562025	5631.62.6489308134	4380978.91059562	3633.516226335304	3449.21958294985	3317.5076042529718	3318.805944129875	331.917196969132	331.917196969132
155	276	203655	-269301.1413		973897.3170250766	39.54584545255381	-101.7538636	5633.63.721523026	4380974.80943431	3633.986075066536	3447.8113555717923	3316.7082406080386	3316.7082406080386	331.917196969132	331.917196969132
156	276	203656	-268641.1413		973897.3170250766	39.54586387302245	-101.7515247	5635.64.79412121675	4380970.70149814	3632.216156111225	3446.4053024140255	3316.007183300697	3316.007183300697	331.917196969132	331.917196969132
157	276	203657	-267981.1413		973897.3170250766	39.5458822368694	-101.7491857	5637.65.86485180	4380966.591025098	3630.4475573179	3445.0059428812997	3315.167049680486	3317.7843923001374	331.886787379422	331.886787379422
158	276	203658	-267321.1413		973897.3170250766	39.54590056	-101.7468489	5639.6386160123	4380962.482	3628.67618121257	3443.616568	3317.2890540553134	3317.2890540553134	331.886787379422	331.886787379422
159	276	203659	-266661.1413		973897.3170250766	39.545919806006	-101.7445138	5641.62.74323251	4380961.47343251	3626.74323251	3442.847323251	3316.74323251	3316.74323251	331.886787379422	331.886787379

ix	iv	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevLogsKrg.f	BRIElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
232	276	20343	-21221.1413	793897.3170250766	39.547292993035505	-101.5480346	206757.2397	4380614.02439998	3469.9040420045576	3328.0907440642814	3198.807913	3200.311727842378	129.28283072948125	127.77901622193048
244	276	20344	-210661.1413	793897.3170250766	39.547307341710635	-101.5454995	281.258.2925310631	4380609.934291305	3471.7034318	3326.560485399395	3198.3664928687523	3200.431730358816	129.1374555306428	126.12947458381348
246	276	20345	-209891.1413	793897.3170250766	39.54731852208564	-101.5433564	281.659.2839694824	4380605.844398897	3468.5499223487012	3325.028490898453	3200.053191329755	3203.54729369891743	124.97343495691743	124.08132936789892
246	276	20346	-209041.1413	793897.3170250766	39.547336173511583	-101.5410175	281.660.3976919284	4380611.547267874	3470.302169352035	3327.0406972770487	3201.036950951787	3202.4130948565877	122.4540823851058	121.07758711968097
247	276	20347	-208681.1413	793897.3170250766	39.54735047663887	-101.5386785	281.661.44889910803	4380597.665722891	3472.4752147333666	3321.945082827898	3202.6268239122034	3203.654138973931	119.32425891569483	118.2916892996742
248	276	20348	-207921.1413	793897.3170250766	39.54736434578788	-101.5363395	282.062.501891693	4380583.760327124	3465.021929713514	3320.3901493445024	3205.312290458573	3206.131889	118.7157869893573	114.2526205347023
249	276	20349	-207261.1413	793897.3170250766	39.54737894733272	-101.5340005	282.263.553668875	4380589.487019753	3457.586844983706	3318.82309788934	3209.043579987488	3209.8133073200736	119.32477182208574	108.7827916980856
250	276	20350	-206601.1413	793897.3170250766	39.5473931	-101.531616	282.464.6053230106	4380585.38022496	3451.15359673871	3317.241070662008	3207.984237787416	3208.903898150205	109.2586738835846	108.34747251179679
251	276	20351	-205941.1413	793897.3170250766	39.54740727329854	-101.5293224	282.665.566398424	4380591.309638149	3448.5499223487012	3315.549363676385	3200.9214727289806	3203.717758580636	112.72245804735762	106.0871775830248
252	276	20352	-205281.1413	793897.3170250766	39.54742113440229	-101.5269584	282.866.7072019959	4380577.221276573	3444.1732327181624	3314.073079899342	3198.76213896912	3199.5341252492859	115.248612330126	114.4983026763872
253	276	20353	-204621.1413	793897.3170250766	39.54743536510404	-101.5246444	283.067.7586428967	4380573.13131887	3442.694743808624	3312.400456982124	3195.3330993148013	3196.3524067726245	116.86735170273222	116.0475112094959
254	276	20354	-203961.1413	793897.3170250766	39.54744933344428	-101.5223054	283.268.809352239	4380569.452057391	3441.2175345713471	3310.5722326380063	3193.00895877719	3193.900997540993	117.74323265942716	116.85122328390636
255	276	20355	-203301.1413	793897.3170250766	39.54746327499387	-101.5199664	283.469.85984841955	4380564.95340731	3433.995244252443	3309.085784949589	3190.95273000661	3187.4840893166	117.3230549228078	117.23773604402938
256	276	20356	-202641.1413	793897.3170250766	39.54747717	-101.5176273	283.670.910315652	4380560.70008848	3421.029165	3307.404173002405	3189.268074960488	3190.085293313603	118.1360891809164	117.3178112844463
257	276	20357	-201981.1413	793897.3170250766	39.547491022740175	-101.5152893	283.871.96020215104	4380556.782734816	3408.063595586753	3305.7066458482857	3187.8662161959597	3188.519045839226	117.8404132069919	117.18760044506216
258	276	20358	-201321.1413	793897.3170250766	39.54750482883682	-101.5129419	284.073.0100601191	4380552.698	3395.09087725302	3303.90208718722	3186.656993447454	3187.2912263735725	117.3234987026778	116.700717640498
259	276	20359	-200661.1413	793897.3170250766	39.54751858974897	-101.5106103	284.274.0597057379	4380548.60884516	3380.8302340608204	3302.2989826550525	3185.58330496882	3185.7530592682818	116.71582215917064	116.5089267263452
260	276	20360	-200001.1413	793897.3170250766	39.54753230547694	-101.5082712	284.475.1901392417	4380544.522275555	3365.42277461195	3300.5127881019826	3183.9259689108853	3183.421005632918	116.6288191910972	117.112412619487
261	276	20361	-199341.1413	793897.3170250766	39.54754597020333	-101.5059322	284.676.1583602685	4380540.34826052	3349.961229690125	3308.76824540859	3180.426678408184	317.8818747577111	115.93563690548	119.93897360874779
262	276	20362	-198681.1413	793897.3170250766	39.547559601767935	-101.5035932	284.877.207306969	4380539.4646666	3327.001937497878	3314.1698057534786	3170.6969929717166	3172.883213174439925	126.33194458016123	126.33194458016123
263	276	20363	-198021.1413	793897.3170250766	39.54757318515383	-101.5012542	285.078.256169038	4380532.76338194	3311.2837754433024	3295.20532333894	3172.13415847865	3164.7071359936167	126.1161848207	130.5431873402763
264	276	20364	-197361.1413	793897.3170250766	39.54758671564377	-101.4989151	285.278.79156712875	4380531.276838130	3304.3120052583324	3293.515378	3175.925025399994	3163.236185	117.5933726282577	118.335476358671005
265	276	20365	-196701.1413	793897.3170250766	39.54760025349522	-101.4965218	285.480.3523120891	4380529.244811105	3307.83936338945	3291.645296	3175.925025399994	3163.236185	117.5933726282577	118.335476358671005
266	276	20366	-196041.1413	793897.3170250766	39.54761365	-101.4942371	285.681.0412971787	4380520.0710293	3358.36482496538	3290.108220434202	3186.083606434693	3171.242112498278	104.024613898505	118.8510793142263
267	276	20367	-195381.1413	793897.3170250766	39.547626705	-101.49188	285.882.44825157627	4380515.922011118	3361.762042141235	3309.14882010353	3190.9722816138756	3182.4002829432575	104.024613898505	106.029787909555
268	276	20368	-194721.1413	793897.3170250766	39.54764004565809	-101.489559	286.083.496995458	4380511.83713829	3359.05268834464	3285.7983014745	3190.9732082080677	3188.42576925389	106.784748066743	98.3221734305601
269	276	20369	-194061.1413	793897.3170250766	39.54765371372513	-101.48722	286.284.54452914465	4380507.752438915	3327.97891584358	3285.075012229762	3178.8661529740143	3177.465118174704	106.2888952557478	107.6098940550578
270	276	20370	-193401.1413	793897.3170250766	39.54766697760751	-101.4848809	286.485.59185272694	4380503.68802401	3355.038816214233	3323.370285971048	3166.043809353136	3165.038126188815	117.3226976190575	118.335476358671005
271	276	20371	-192741.1413	793897.3170250766	39.547680251963079	-101.4825418	286.688.3398964591	4380499.5368582004	3357.83936338945	3321.645296	3175.925025399994	3163.236185	117.5933726282577	118.335476358671005
272	276	20372	-192081.1413	793897.3170250766	39.5476933691811	-101.4802029	286.889.6857051827	4380493.298875	3358.954471511238	3279.884367362115	3150.023067700793	3150.023067700793	129.87400451526313	129.87400451526313
273	276	20373	-191421.1413	793897.3170250766	39.54770648814641	-101.4778638	287.088.732655138	4380491.416044679	3379.878603431527	3278.121200676122	3146.727241565338	3147.766545803616	131.3069850139246	130.3545740935964
274	276	20374	-190761.1413	793897.3170250766	39.547719581289904	-101.4755248	287.289.7905501684	4380487.323480025	3382.007234782517	3276.328373	3144.636646671756	3146.4640182011267	131.6917262261545	129.86432782171353
275	276	20375	-190101.1413	793897.3170250766	39.54773261924856	-101.4731857	287.490.825326876	4380483.249133435	3390.015625093966	3274.519635359349	3143.100408723414	3145.825968	131.4192224870079	129.86432782171353
276	276	20376	-189441.1413	793897.3170250766	39.54774561202245	-101.4708467	287.691.871394369	4380481.96040828	3391.8315605840845	3272.696644833458	3141.705064835222	3145.245290845631	130.9915739823952	127.4473539823952
277	276	20377	-188781.1413	793897.3170250766	39.547758595147	-101.4688977	287.892.9172532561	4380475.983942414	3406.016219710234	3270.8632654457226	3140.4259359165734	3140.51694056764334	130.51694056764334	126.2239697808982
278	276	20378	-188121.1413	793897.3170250766	39.54777146201564	-101.466168	288.093.9629372405	4380471.004011592	3414.0116787	3269.1248527540274	3138.064715207284	3143.705136511424878	125.915171424878	125.915171424878
279	276	20379	-187461.1413	793897.3170250766	39.54778431924814	-101.463298	288.295.0835459789	4380466.91726951	3371.6621819963217	3271.762646014875	3142.489027	3142.489027	129.2471154943823	124.6893340435184
280	276	20380	-186801.1413	793897.3170250766	39.547797131269256	-101.4614905	288.496.05380272	4380462.835670283	3416.213431	3265.354984362504	3136.6735948309642	3140.32449825369	128.6273895315392	125.915171424878
281	276	20381	-186141.1413	793897.3170250766	39.54780988811868	-101.4591515	288.697.0986067307	4380458.75363184	3415.698061954137	3263.512461497222	3135.9303784151584	3137.063548	126.44891347287194	126.44891347287194
282	276	20382	-185481.1413	793897.3170250766	39.54782261978314	-101.4568125	288.898.1434	4380454.617810844	3414.760375679738	3261.6863145869297	3135.3672789380243	3132.033648864743	126.3158586489053	126.3158586489053
283	276	20383	-184821.1413	793897.3170250766	39.54783529626259	-101.4544734	289.098.188369858	4380450.59020053	3414.887456433577	3259.8984615866517	3135.107740121606	3132.033648864743	126.3158586489053	126.3158586489053
284	276	20384	-184161.1413	793897.3170250766	39.5478476755708	-101.4521344	289.300.2324412636	4380446.509	3416.0173270808723	3258.46465950344	3134.251078586779	3130.3052639167445	122.84868737712563	128.0294023434995
285	276	20385	-183501.1413	793897.3170250766	39.547860251963079	-101.4498161	289.503.2839694824	4380442.47565641	3417.1678787878787	3257.436271951987	3133.50841725941987	3130.3052639167445	122.84868737712563	128.0294023434995
286	276	20386	-182841.1413	793897.3170250766	39.54787305390845	-101.447563	289.702.320692932	4380438.364707315	3418.4167189712013	3256.40645002192				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIELogaKrg.ft	BREIEBothKrg.ft	SatHtLoga.ft	SatHtBoth.ft	
369	276	20389	-128061.1413	973897	3170250766	35.54875643399282	-101.2553128	006388.2715655379	438010.3868959194	324.569891463933	3143.215373812873	3400.689034100226	3039.5722160226437	102.5293951264686	103.643157900293
370	276	20387	-127401.1413	973897	3170250766	35.54876518	-101.2509377	306589.2368211466	438006.264188061	322.3434704203545	3142.78407255544	3038.472845196228	3038.3449728507382	102.6956853391615	103.6237853481619
371	276	20387	-126741.1413	973897	3170250766	35.54877386	-101.2486546	306760.296890304	438009.261734187	322.4022759026254	3143.1153230327915	3038.27197292615	3037.227787	102.8385016666614	103.6237853352112
372	276	20387	-126081.1413	973897	3170250766	35.54878253433748	-101.2462955	306895.2989130071	438008.199497556	319.010370630275	3140.05580282453	3037.090650736574	3036.1390084400912	102.694295458793	103.6191578
373	276	20387	-125421.1413	973897	3170250766	35.548791140407871	-101.2438653	307192.3785636336	438008.174371691	331.530400240505	3138.989121364665	3032.00268619057	3032.2602990179194	102.96705154560823	103.7288232467548
374	276	20387	-124761.1413	973897	3170250766	35.54879970863736	-101.2416172	307393.4065569165	438008.075673991	337.500372058404	3137.920170688314	3035.8547284839087	3035.3624420445537	102.654422040537	103.6237853213067
375	276	20387	-124011.1413	973897	3170250766	35.5488022800486	-101.2392781	307594.4329690472	438007.6140890535	334.1154078032633	3136.848778247442	3034.9756208825966	3033.3553401292266	101.8732569421769	103.6237853213067
376	276	20387	-123441.1413	973897	3170250766	35.548816210218546	-101.236939	307795.4592	438007.9156271339	331.7254471849933	3135.744539797765	3033.791711567897	3032.526560799807	102.1366228297963	103.24597971779576
377	276	20387	-122781.1413	973897	3170250766	35.548825311317919	-101.2348998	307986.482278765	438007.891576205	334.1548967845734	3134.85979463258	3032.9323711807925	3031.85969748416884	101.7634174127336	103.5881267518748
378	276	20387	-122121.1413	973897	3170250766	35.54883351493599	-101.2322658	308197.511076774	438007.635057504	330.84595542453	3133.621435400558	3032.0106115817	3031.4751389973	101.4018247847077	102.1374215008501
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381	276	20381	-120141.1413	973897	3170250766	35.54885839528474	-101.2252435	308800.5874950182	438005.1699140672	3297.169130707775	3130.330781098574	3030.317553186325	3030.0552719092943	100.5552719092943	102.12886778497313
382	276	20382	-119481.1413	973897	3170250766	35.548869343372	-101.2229044	309001.6125945187	438007.58907073	329.736652045607	3129.225007715967	3029.8611197967157	3029.123795602159	99.3638097848294	102.121020517303949
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388	276	20388	-115521.1413	973897	3170250766	35.548914867770165	-101.2088697	310207.79520798	438003.232481159	326.330307813773	3122.45106755534	3022.192340142171	3021.1872183	100.2627666133606	103.7422741423488
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391	276	20391	-113541.1413	973897	3170250766	35.5489463234049	-101.2018763	310821.671867757	438001.658366973	324.62275441534	3119.38420211834	3018.36435204527	3017.92163530781	99.4784695264	102.73796965072313
392	276	20392	-112881.1413	973897	3170250766	35.54894613464264	-101.1995132	311011.85334105045	438000.700372455	324.625790975163	3117.729350040905	3017.97903700706	3017.8360698976843	102.7068110304143	103.8284674993593
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403	276	20403	-105621.1413	973897	3170250766	35.54902842436521	-101.1737829	313233.096833507	437962.7378007	317.619539458352	3010.093495353896	3010.093495353896	3010.093495353896	100.7884455469614	102.3107663127805
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411	276	20411	-100341.1413	973897	3170250766	35.54908492790587	-101.1551278	315046.3336393	437929.2258191	316.427147441534	3010.093495353896	3010.093495353896	3010.093495353896	100.7884455469614	102.3107663127805
412	276	20412	-99681.1413	973897	3170250766	35.54909167806261	-101.1527408	315205.2796143887	437925.88800317	312.314777434161	3008.93618				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBotKgr.f	Wt.kg	SurfBotH.ft
496	276	203995	-44901.14133	973897.3170250766	39.54950249138335	-100.956882	331716.29518216476	4379590.198523826	2801.2097535246417	2986.303685969906	2893.223006949345	2891.420069790247105	76.88322396732185	76.88322396732185
496	276	203996	-44241.14133	973897.3170250766	39.54950554304485	-100.95662429	331917.30030970124	4379596.131624424	2907.937616579442	2966.5419344079305	2891.15839	2889.331716015392	76.38354421179065	77.21021839263584
497	276	203997	-4381.14133	973897.3170250766	39.5495054981789	-100.9563937	332118.3052738785	4379592.138017245	2974.66659715824	2962.1374763418634	2888.1374763418634	2887.4781850682324	76.53786970776574	77.20672892354396
497	276	203998	-42921.14133	973897.3170250766	39.54951151080289	-100.9515466	332171.3100749027	437961.303342690428	2963.1005145697096	2887.318490307616	2885.870580774865	2876.3236653247	77.1356495160007	
499	276	203999	-42261.14133	973897.3170250766	39.5495144268994	-100.9492254	332520.3417128006	4379570.05873459	3066.922151455234	2961.236954780804	2886.262714247018	2884.844740735522	74.92204504160477	76.39221405
500	276	204000	-41601.14133	973897.3170250766	39.54951728707945	-100.9468863	332721.3191885154	4379570.323878096	3051.2523259316	2959.467901885438	2886.341954891624	2885.07456666616	73.12770649587563	74.9331531842663
501	276	204001	-40941.14133	973897.3170250766	39.54952012352814	-100.9445471	332922.32350111206	4379565.98959853	3055.582400410398	2957.70404850226	2888.72227888042	2887.955796431967	69.9841201825988	74.9331531842663
502	276	204002	-40021.14133	973897.3170250766	39.5495240064142	-100.942208	333123.32715150076	4379565.95532627	3048.912395	2955.33456299553	2894.06264731712	2894.76229900276	61.85281329878376	61.1673304
503	276	204003	-39611.14133	973897.3170250766	39.5495259450597	-100.938668	333324.3217584545	4379561.021684203	3043.168695715874	2950.24147733631	2892.701683073639	2893.460378762043	51.47229689149653	70.8676929989304
504	276	204004	-3861.14133	973897.3170250766	39.54952832956048	-100.9357327	333525.3356627075	4379553.88952923	3035.345755	2952.41642861106	2909.43791303383	2909.6324453110324	42.7843534598633	42.7843534598633
505	276	204005	-38301.14133	973897.3170250766	39.549530974527556	-100.9351095	333726.3382309828	4379549.85463534	3027.52465027268	2950.664967334573	2904.373237	2900.024320555052	46.29125963	50.64017647795028
506	276	204006	-37641.14133	973897.3170250766	39.54953374303639	-100.9328513	333927.3427341889	4379545.81436913	3019.70354524052	2948.918035554474	2899.6522660471214	2890.614516	49.265795083397	58.3035193052357
507	276	204007	-36981.14133	973897.3170250766	39.54953612889646	-100.9305122	334128.3607608855	4379541.784543242	3017.1784314215936	2946.706784293612	2898.603555250324	2891.4285299298211	46.5753737	
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509	276	204009	-35661.14133	973897.3170250766	39.54954112051322	-100.9258339	334530.3522781097	4379537.732134801	3010.607652973245	2943.7227358972557	2889.841635775558	2887.968732134754	53.8807401538875	76.8346433178352
510	276	204010	-35001.14133	973897.3170250766	39.54954352153892	-100.9234407	334731.3551360405	4379529.69079855	3022.616604669007	2942.07020245808	2887.39200233354	2882.6061254575284	54.61501788904937	79.4009479
511	276	204011	-34341.14133	973897.3170250766	39.549545895376326	-100.9211556	334932.35783479153	4379525.68080193	3017.636587	2940.300720843404	2884.83521282501	2885.495892072592	55.465495690033	78.80473877045233
512	276	204012	-33681.14133	973897.3170250766	39.54954824052543	-100.9181864	335123.35133604	4379521.62677643	3017.636587	2938.603842916732	2882.230079159348	2880.844771020284	56.3373767379237	77.7590727965162
513	276	204013	-33021.14133	973897.3170250766	39.5495500748623	-100.916473	335334.36275167635	4379517.59090762	3013.666642786218	2936.916501271795	2879.496049080064	2889.3585895749206	57.42401002115326	77.5279414893734
514	276	204014	-32361.14133	973897.3170250766	39.549552745758069	-100.9141381	335535.36497022223	4379513.56540	3009.66698135642	2935.263619794283	2876.541804907881	2887.62720791964	58.69481488954807	73.3641135073532
515	276	204015	-31701.14133	973897.3170250766	39.54955498384289	-100.9117989	335736.36730291122	4379503.32365206	3001.3330816828975	2933.56359860965	2873.110026939216	2882.11695083494	59.4329894547549	71.44479081
516	276	204016	-31041.14133	973897.3170250766	39.54955706673873	-100.909458	335937.3688255004	4379505.501326513	2988.575734282474	2931.988626094224	2868.964276318246	2867.194447484733	62.9323447	70.4466064229882
517	276	204017	-30381.14133	973897.3170250766	39.5495591250544	-100.907116	336138.3789318482	4379494.0987483	2988.6685978382	2930.5204147336351	2868.544536245454	2867.194447484733	65.988498625824	70.4466064229882
518	276	204018	-29721.14133	973897.3170250766	39.54956124956546	-100.9047185	336339.3724299396	4379497.43997257	2963.051671894642	2928.591794400537	2861.72387295251	2859.2504918117165	66.7687144323276	69.339745858572
519	276	204019	-29061.14133	973897.3170250766	39.54956352929635	-100.9024423	336530.376721225	4379493.408906795	2957.7950491018632	2926.94979261057	2859.348182458549	2857.1919073259273	67.6081660312946	69.7580719312946
520	276	204020	-28401.14133	973897.3170250766	39.5495652643888	-100.9001032	336741.3749350114	4379489.379	2959.91369149407	2925.3159962052773	2857.29670870033	2856.88752595172	68.0172875	70.4284020101607
521	276	204021	-27741.14133	973897.3170250766	39.54956714839308	-100.897776	336942.37604116753	4379485.9343753	2962.0677333733035	2923.68977109958	2856.21490263176	2856.88752595172	69.740526336211	69.740526336211
522	276	204022	-27081.14133	973897.3170250766	39.54956902515893	-100.8954248	337143.3769882164	4379481.32	2964.2217976256147	2922.0716734376315	2855.96808701058	2854.72012651369	69.1038473657334	76.964592126247
523	276	204023	-26421.14133	973897.3170250766	39.5495708673642	-100.8930875	337344.377772529	4379479.290104479	2968.664698715857	2920.520619237473	2854.848414948477	2854.72012651369	70.384762652348	76.964592126247
524	276	204024	-25761.14133	973897.3170250766	39.5495726412554	-100.8907485	337545.378720194	4379474.20739316	2974.8707716814438	2918.7177312591	2854.13960438752	2854.02162116693	71.53710088134	71.53710088134
525	276	204025	-25101.14133	973897.3170250766	39.54957438432641	-100.8880474	337746.3788821136	4379469.21699335	2977.25195993302	2917.2700482718724	2856.854746402935	2856.55989705783	60.714016883074	60.714016883074
526	276	204026	-24441.14133	973897.3170250766	39.5495769033886	-100.8860682	337947.3791983486	4379463.202207318	2986.033212017027	2915.693598412393	2856.1406440892797	2856.456150273289	61.5525402311323	59.2374481596108
527	276	204027	-23781.14133	973897.3170250766	39.549579731162955	-100.8837291	338148.3793573954	4379461.174158064	2989.49484327681	2914.1306576886217	2854.492935	2855.59308402807	62.5337314663174	58.53757369914764
528	276	204028	-23121.14133	973897.3170250766	39.5495793367967	-100.881389	338399.3749383794	4379457.1451713605	2997.636845155314	2912.58126887887	2852.0372657279304	2853.923595036467	60.564007399667	58.5675793
529	276	204029	-22461.14133	973897.3170250766	39.5495808724605	-100.879507	338593.3752047419	4379453.11788064	2998.776899349825	2911.14558970458	2848.1975442161935	2851.934214517595	61.84805498029584	59.11384582878756
530	276	204030	-21801.14133	973897.3170250766	39.5495825967363	-100.877116	338795.3789318482	4379449.0987483	2999.302619237473	2910.5204147336351	2848.544536245454	2854.72012651369	62.9323447	70.4466064229882
531	276	204031	-21141.14133	973897.3170250766	39.54958438257578	-100.8747924	338992.3785247978	4379445.16668835	2998.136897893805	2908.017718010291	2847.91755206141556	2847.91755206141556	63.323969149554	63.323969149554
532	276	204032	-20481.14133	973897.3170250766	39.54958573457924	-100.8720333	339153.3770019834	4379441.03048396	2996.47207047874	2905.56268216903	2846.7959116976	2846.075265905974	64.4051551205686	64.4051551205686
533	276	204033	-19821.14133	973897.3170250766	39.54958669	-100.8696941	339354.3770221224	4379437.06071638	2998.71745021367	2905.05102180367	2843.890361819714	2843.890361819714	65.3337120409168	61.1416998339561
534	276	204034	-19161.14133	973897.3170250766	39.54958802165729	-100.8673459	339555.370686901	4379432.97956567	2990.167042634805	2903.93172877768	2843.744774176757	2843.744774176757	66.2456952609236	67.0814925167213
535	276	204035	-18501.14133	973897.3170250766	39.5495893197439	-100.8650158	339756.37499562476	4379433.203303895	3001.6709158773297	2902.152506942922	2843.233091711594	2843.233091711594	67.281452313281	68.3349077990345
536	276	204036	-17841.14133	973897.3170250766	39.54959055511033	-100.862676	339957.3774922144	4379434.32591098	3000.770427025193	2902.323662433316	2843.701647773904	2843.701647773904	70.51943631596164	69.9613747228853
537	276	204037	-17181.14133	973897.3170250766	39.54959174043436	-100.8603478	340158.3792491158	4379432.97956567	2998.71745021367	2905.05102180367	2843.890361819714	2843.890361819714	71.53710088134	71.53710088134
538	276	204038	-16521.14133	973897.3170250766	39.54959297705514	-100.857993	340359.3791712187	4379416.81719829	2998.776899349825	2907.891031701753	2842.76300632974	2842.76300632974	72.1671871330014	72.1671871330014
539	276	204039	-15861.14133	973897.3170250766	39.54959403165899	-100.8556592	3405							

ix	iy	ic1	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatBothKrg.ft	SatBothH.ft
621	276	24121	38258.8586730335	973897.3170250766	35.49453114243602	-100.6634882	357041.7220351413	4739093.482996995	2824.0087090123707	2775.2749646563905	2738.2568163059045	2739.13617468576405	37.01813035048599	36.138771749749985
622	276	24122	38918.8586730335	973897.3170250766	35.54952850336387	-100.6615939	357242.70819876215	4739079.474117163	2817.3628105097653	2776.373025254117	2737.501471702269	2746.4500807350464	36.851338965387216	36.851338965387216
623	276	24123	39538.8586730335	973897.3170250766	35.6059169	-100.6589169	357445.6842249307	4739075.426740456	2815.588727627489	2774.47345871768184	2736.588727627489	2745.3443399622033	36.851338965387216	36.851338965387216
624	276	24124	40238.8586730335	973897.3170250766	35.66530780065475	-100.6565307	357644.6801	4739074.148804864	2819.1103561450027	2769.547175496564	2706.751238915515	2707.0517423156125	62.79652238613585	62.49651843410385
625	276	24125	40898.8586730335	973897.3170250766	35.6495203301786	-100.6544915	357845.66656572	4739067.41444384	2822.4650652542735	2767.605362542735	2699.10690332559	2699.0504423439966	68.4986269127437	68.5512482172688
626	276	24126	41558.8586730335	973897.3170250766	35.6495174801927	-100.6521524	358046.6514807772	4739056.404119001	2826.1049631800297	2764.647996285735	2694.129190347027	2691.3743156474927	74.2736803632168	74.2736803632168
627	276	24127	42218.8586730335	973897.3170250766	35.64951461179244	-100.6498132	358247.63896919083	4739053.99708705	2828.5325892739147	2763.675419488023	2690.047874713532	2684.8717318800348	76.27254204	76.7982619678556
628	276	24128	42878.8586730335	973897.3170250766	35.649511689977554	-100.6474741	358484.6223011793	4739055.390113491	2829.8017781947117	2761.688471913655	2693.043838364296	2679.7985201856004	72.653037722555	81.88996172805471
629	276	24129	43538.8586730335	973897.3170250766	35.6495074056786	-100.6451348	358689.60256761703	4739053.1498864	2831.071166614426	2759.8978181311987	2698.0421965705148	2686.2523968234787	74.8457219468521	84.4346698972107
630	276	24130	44198.8586730335	973897.3170250766	35.64950517300801	-100.6427595	358950.55027651703	4739047.377	2832.34055245484	2757.64923493233	2698.3764204570354	2682.973681	76.20826346	76.7010723951516
631	276	24131	44858.8586730335	973897.3170250766	35.64950268824163	-100.6404568	359051.57761056506	4739043.30716256	2833.6234523034387	2756.6992740581795	2690.4480715198967	2684.67408438355	61.7855216248136	61.7855216248136
632	276	24132	45518.8586730335	973897.3170250766	35.6494995428704	-100.6381175	359252.5624089105	4739039.364861278	2834.0170999235407	2753.615321544977	2693.934952356974	2690.315637532196	69.8603691880037	63.3037579124461
633	276	24133	46178.8586730335	973897.3170250766	35.649496455142215	-100.6357783	359453.5470718597	4739035.36881335	2846.21176762693	2751.5713965148143	2698.202125	2695.1662984675957	63.3037579124461	66.4069366271856
634	276	24134	46838.8586730335	973897.3170250766	35.6494932708139	-100.6334392	359654.5315996173	4739031.353	2851.056344445	2749.525498	2702.413493728666	2699.95517064326	61.7120045271431	69.5698119135369
635	276	24135	47498.8586730335	973897.3170250766	35.64949004129397	-100.6311	359855.515992389	4739027.347866525	2859.8979253488437	2747.474808211915	2705.3471781468047	2704.169123	62.4330368110466	63.3037579124461
636	276	24136	48158.8586730335	973897.3170250766	35.6494867659656	-100.6287609	360056.5002503703	4739023.342891839	2847.3852508534985	2745.42217175383	2704.044920281603	2704.54509996106	63.3037579124461	64.8777127102019
637	276	24137	48818.8586730335	973897.3170250766	35.64948346609064	-100.6264217	360257.484377956	4739019.33771755	2842.874573356533	2743.37192834943	2700.0492237398962	2700.7948618106	62.4614327052506578	62.4614327052506578
638	276	24138	49478.8586730335	973897.3170250766	35.6494805160717	-100.6240826	360458.4683624826	4739013.523968616	2843.36289586057	2741.32587951903	2691.0646737963456	2692.05289	50.2610271558546	49.273587074992975
639	276	24139	50138.8586730335	973897.3170250766	35.649477667	-100.6217344	360659.5422776004	4739011.32846049	2844.33043203239	2739.2875293591455	2680.0719404864	2681.7898067469167	59.280335233132	57.3086260122288
640	276	24140	50798.8586730335	973897.3170250766	35.64947321587509	-100.6194043	360860.43590368004	4739007.32414216	2849.848015381878	2737.27999734318	2668.215453224063	2670.82045969361	60.4254651	66.4371041339115
641	276	24141	51458.8586730335	973897.3170250766	35.64946915226086	-100.6170651	361061.4195262315	4739003.320042045	2842.341987561395	2735.238695369366	2696.548482227758	2696.548482227758	78.691251	73.7099520574301
642	276	24142	52118.8586730335	973897.3170250766	35.6494661693004	-100.614726	361262.403	4738999.316157029	2843.975697409153	2733.228105394296	2684.49490703102	2684.49490703102	80.73719836302744	80.73719836302744
643	276	24143	52778.8586730335	973897.3170250766	35.64946317592009	-100.6123893	361463.306739973074	4738995.321498864	2845.2384985696262	2731.228105394296	2684.49490703102	2684.49490703102	80.73719836302744	80.73719836302744
644	276	24144	53438.8586730335	973897.3170250766	35.64945894215303	-100.6100477	361664.3948687857	4738991.30091836	2846.9763074567	2729.239412207739	2683.037061353377	2683.037061353377	80.73719836302744	80.73719836302744
645	276	24145	54098.8586730335	973897.3170250766	35.6494552057216	-100.6077085	361865.3525410562	4738987.30591637	2848.936847174345	2727.263382120584	2677.6349578042073	2682.804894420973	96.628065904022	96.628065904022
646	276	24146	54758.8586730335	973897.3170250766	35.649451534163175	-100.6053394	362066.3354625864	4738983.302763585	2848.936847174345	2725.30274984577	2675.228986965005	2684.49617092972692	95.7378511877641	70.75168705730766
647	276	24147	55418.8586730335	973897.3170250766	35.64944776238606	-100.6030302	362267.318251595	4738979.2995592	2828.984746691868	2723.3599274766602	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
648	276	24148	56078.8586730335	973897.3170250766	35.6494435442086	-100.6008611	362468.3000982178	4738975.27360531	2828.984746691868	2721.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
649	276	24149	56738.8586730335	973897.3170250766	35.64944011719	-100.5981078	362670.255251626	4738972.3241216	2828.984746691868	2719.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
650	276	24150	57398.8586730335	973897.3170250766	35.64943691755209	-100.5950128	362870.255251626	4738969.3241216	2828.984746691868	2717.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
651	276	24151	58058.8586730335	973897.3170250766	35.6494323239657	-100.5936738	363071.248086354	4738966.29063466	2828.984746691868	2715.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
652	276	24152	58718.8586730335	973897.3170250766	35.6494282256788	-100.5913435	363272.201582235	4738963.289127526	2828.984746691868	2713.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
653	276	24153	59378.8586730335	973897.3170250766	35.64942418277328	-100.5898953	363473.212139941	4738959.288	2828.984746691868	2711.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
654	276	24154	60038.8586730335	973897.3170250766	35.64942004679554	-100.5885652	363674.1941	4738951.28630027	2828.984746691868	2709.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
655	276	24155	60698.8586730335	973897.3170250766	35.64941591397756	-100.5872317	363875.17817001	4738947.26520812	2828.984746691868	2707.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
656	276	24156	61358.8586730335	973897.3170250766	35.64941178	-100.5858978	364076.15819827	4738943.26520812	2828.984746691868	2705.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
657	276	24157	62018.8586730335	973897.3170250766	35.64940756	-100.5845637	364277.13897929	4738939.28876508	2828.984746691868	2703.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
658	276	24158	62678.8586730335	973897.3170250766	35.6494032042405	-100.5832296	364478.1204275225	4738935.2822357	2828.984746691868	2701.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
659	276	24159	63338.8586730335	973897.3170250766	35.64939937390094	-100.5819464	364679.1045759207	4738931.28291454	2828.984746691868	2699.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
660	276	24160	63998.8586730335	973897.3170250766	35.64939541716811	-100.5806612	364880.082424115	4738927.28927415	2828.984746691868	2697.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
661	276	24161	64658.8586730335	973897.3170250766	35.6493912751851	-100.5793821	365081.0639774224	4738923.38171586	2828.984746691868	2695.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
662	276	24162	65318.8586730335	973897.3170250766	35.6493863161014	-100.5780943	365282.044323673	4738919.2835819	2828.984746691868	2693.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
663	276	24163	65978.8586730335	973897.3170250766	35.64938179	-100.5768061	365483.06587924	4738915.2835819	2828.984746691868	2691.377766115315	2674.49617092972692	2684.49617092972692	95.7378511877641	95.7378511877641
664	276	24164	66638.8586730335	97389										

ix	yy	ic47	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BRrElevLogs.f	BRrElevBoth.f	SurfElev.f	SatBoth.f
7	277	204247	-369881.1413	974557.3170250766	39.54443466042689	-102.1000413	333066.443777136	3481786.742589138	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	63.722254194849484	62.39325366606296
8	277	204248	-366321.1413	974557.3170250766	39.54445976220408	-102.0977025	333072.55251622033	3481782.6005107242	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
9	277	204249	-365871.1413	974557.3170250766	39.54448481960369	-102.096337	333078.68414284424	3481783.51674011594	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
10	277	204250	-365001.1413	974557.3170250766	39.5445098302310346	-102.093025	333079.7041740712	3481784.7311404055	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
11	277	204251	-364341.1413	974557.3170250766	39.5445348	-102.0906862	333081.09424197123	3481780.176	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
12	277	204252	-363681.1413	974557.3170250766	39.54455971755242	-102.0883474	333082.164516336	3481780.34396828	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
13	277	204253	-363021.1413	974557.3170250766	39.5445834345853	-102.0860086	333083.109424197123	3481781.693	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
14	277	204254	-362361.1413	974557.3170250766	39.54460942	-102.0836698	333084.2014178223	3481781.757	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
15	277	204255	-361701.1413	974557.3170250766	39.54463492711376	-102.081331	333085.109424197123	3481782.125881	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
16	277	204256	-361041.1413	974557.3170250766	39.5446595077804	-102.078923	333086.1416143849	3481782.47	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
17	277	204257	-360381.1413	974557.3170250766	39.544684635626809	-102.0766538	333087.1523148234	3481783.111253	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
18	277	204258	-359721.1413	974557.3170250766	39.54470829528154	-102.0743147	333088.16295728762	3481781.19134082	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
19	277	204259	-359061.1413	974557.3170250766	39.544732900118284	-102.0719759	333089.1763739585	3481782.0521769915	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
20	277	204260	-358401.1413	974557.3170250766	39.54475745973782	-102.0696371	333090.16220171274	3481782.17319981	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
21	277	204261	-357741.1413	974557.3170250766	39.54478197426157	-102.0672983	333091.1474149159	3481782.73533037	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
22	277	204262	-357081.1413	974557.3170250766	39.54480643567679	-102.0649066	333092.1634561158	3481782.8361158	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
23	277	204263	-356421.1413	974557.3170250766	39.5448308769757	-102.0626208	333093.1584725598	3481782.94957388	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
24	277	204264	-355761.1413	974557.3170250766	39.54485525	-102.060282	333094.2352222805	3481782.95129653	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
25	277	204265	-355101.1413	974557.3170250766	39.54487956042592	-102.0579432	333095.23726836	3481782.11858553	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
26	277	204266	-354441.1413	974557.3170250766	39.54490386002458	-102.0556044	333096.2374276907857	3481782.080739138	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
27	277	204267	-353781.1413	974557.3170250766	39.54492811244621	-102.0532656	333097.267825789	3481782.0424741	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
28	277	204268	-353121.1413	974557.3170250766	39.54495231059073	-102.0509268	333098.2782698188807	3481782.0165827	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
29	277	204269	-352461.1413	974557.3170250766	39.5449769784519	-102.0486184	333099.108217035	3481782.0165827	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
30	277	204270	-351801.1413	974557.3170250766	39.5450007154829	-102.0462492	333100.28218770816157	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
31	277	204271	-351141.1413	974557.3170250766	39.54502463437318	-102.0439104	333101.39842916317126	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
32	277	204272	-350481.1413	974557.3170250766	39.5450486190879	-102.0415715	333102.38634094024657	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
33	277	204273	-349821.1413	974557.3170250766	39.54507262426709	-102.0392327	333103.38835196697838	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
34	277	204274	-349161.1413	974557.3170250766	39.5450965144802	-102.0368939	333104.2990764874	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
35	277	204275	-348501.1413	974557.3170250766	39.5451204350419	-102.0345715	333105.282074193744	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
36	277	204276	-347841.1413	974557.3170250766	39.54514422770778	-102.0322163	333106.141627795154	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
37	277	204277	-347181.1413	974557.3170250766	39.54516806192601	-102.0298775	333107.3983936046637352	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
38	277	204278	-346521.1413	974557.3170250766	39.545191839697	-102.0275387	333108.76071009688	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
39	277	204279	-345861.1413	974557.3170250766	39.5452159069031	-102.0251999	333109.48079878897	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
40	277	204280	-345201.1413	974557.3170250766	39.54523916580599	-102.022861	333110.20422970300417	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
41	277	204281	-344541.1413	974557.3170250766	39.54526277673457	-102.0205822	333111.2050040608877	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
42	277	204282	-343881.1413	974557.3170250766	39.5452869784519	-102.0181824	333112.0495108217035	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
43	277	204283	-343221.1413	974557.3170250766	39.54530986306664	-102.0158446	333113.20884208812541	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
44	277	204284	-342561.1413	974557.3170250766	39.5453333849125	-102.0135057	333114.073086482756	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
45	277	204285	-341901.1413	974557.3170250766	39.54535667871799	-102.0111669	333115.21428420319227	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
46	277	204286	-341241.1413	974557.3170250766	39.54538015376678	-102.0088281	333116.214495072296037	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
47	277	204287	-340581.1413	974557.3170250766	39.5454039367615	-102.0064893	333117.1605506393625	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
48	277	204288	-339921.1413	974557.3170250766	39.54542768330404	-102.0041504	333118.70533711984	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
49	277	204289	-339261.1413	974557.3170250766	39.545451905784519	-102.0018124	333119.6592708784519	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
50	277	204290	-338601.1413	974557.3170250766	39.54547623218183	-102.0004728	333120.7052012895033	3481782.03547257	75.6762621	35.17137528014588	3575.3950898606903	35.767241724327985	62.39325366606296	62.39325366606296
51	277	204291	-337941.1413	974557.3170250766	39.54									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIELogskg.f	BREIEBothKrg.f	SatThKlog.f	SatThBoth.f
132	277	24373	-288281.1413	974557.3170250766	39.54724170704159	-101.8053445	558944.1887088626	4321266.572136682	3647.4824707482903	37.23232086435564	3355.095420855692	3380.47283283437298	117.272787786422	91.8503730286666
134	277	24374	-286161.1413	974557.3170250766	39.54726111626677	-101.8030056	55945.2062612584	3647.4824574724287	3642.914829596583	37.1712314266431	3353.054833956482	3384.876121026592	117.141730305629	86.29610413983892
136	277	24375	-28501.1413	974557.3170250766	39.547286031038	-101.7989572	55936.3435797949	4321268.366571525	3638.674869119907	3643.929658756486	3371.1761168912938	3378.829743396968	118.8533783711514	91.19864570364402
137	277	24376	-181941.1413	974557.3170250766	39.54729979171236	-101.7983277	55947.4065576717	4321254.23	3637.7519888126063	3648.905501102407	3348.229623242025	3373.277802774498	119.6658188601554	95.6177023374453
137	277	24377	-281811.1413	974557.3170250766	39.54731072851267	-101.7959887	559748.4974921085	4321250.115874632	3635.826804616673	3647.770480557912	3347.2415096113242	3368.67457435459	120.52933104658769	99.90273708252486
137	277	24378	-280521.1413	974557.3170250766	39.54732803311296	-101.7936498	55949.57409429562	4321253.205273722	3633.9060284176137	3646.65578021455	3345.1064389680514	3362.674586	121.5430230534037	103.12911213205003
139	277	24379	-279861.1413	974557.3170250766	39.54735734668617	-101.7913108	56010.5054954543	4321241.88909011	3634.941448905474	3645.504706708048	3343.12834368309386	3357.457259955796	122.0212698041521	108.09321971504596
140	277	24380	-279201.1413	974557.3170250766	39.54737662280329	-101.7889179	56031.7265877184	432137.778950117	3648.935272788119	3645.45422207855	3341.200281	3352.07748619405	123.2534907870497	112.3767234991444
141	277	24381	-278541.1413	974557.3170250766	39.547396031038	-101.7866328	56052.8024787795	4321253.63120138	3643.929658756486	3643.929658756486	3339.211689138584	3346.3829743396968	124.14811146054574	91.19864570364402
142	277	24382	-277881.1413	974557.3170250766	39.5474147632807	-101.784204	56073.57813475827	4321229.550479897	3642.929187534092	3642.92374440011	3337.246743948355	3342.115398110084	125.0365250517174	120.1679548809473
143	277	24383	-277221.1413	974557.3170250766	39.5474335611764	-101.781955	56084.56355382573	4321258.43085847	3648.52636438756	3641.208834304765	3335.089761297057	3362.784004001277	126.19071300770781	124.42483033438785
144	277	24384	-276561.1413	974557.3170250766	39.54745232532532	-101.779616	56116.02873689012	4321221.23586442	3647.7394082488043	3640.141219515332	3331.63127277093614	3331.273841610332	128.5094680697569	126.8767379
145	277	24385	-275901.1413	974557.3170250766	39.547471635751016	-101.7772771	561357.1036841532	4321217.218584241	3646.9524612146543	3459.0794657597687	3330.487996038728	3330.435005848087	129.59167151395968	128.64541701288044
146	277	24386	-275241.1413	974557.3170250766	39.547490502794744	-101.7749381	561558.1783959183	4321213.102109724	3646.165513067203	3458.0215457988465	3329.1926564267505	3329.647041485234	128.8288894	128.3475143115226
147	277	24387	-274581.1413	974557.3170250766	39.54751932845643	-101.7725991	561759.2582710022	4321208.990565136	3648.935272788119	3645.935272788119	3327.5452017345244	3327.5452017345244	129.4196207136655	138.8137681611364
148	277	24388	-273921.1413	974557.3170250766	39.547532810133007	-101.7702602	561960.32713119675	4321204.879207315	3643.971584106897	3455.8911406714	3325.0217584004013	3325.241445347801	130.869992926901	120.650302158005
149	277	24389	-273261.1413	974557.3170250766	39.54754683283361	-101.7679212	562161.4011191616	4321206.78133449	3642.778375246667	3454.776171270834	3321.048133990021	3321.0375733337723	133.7285777098623	133.74698391122
150	277	24390	-272601.1413	974557.3170250766	39.547565519148996	-101.7655822	562362.263874562505	4321190.672643345	3641.580904258853	3453.558040859343	3317.470965426804	3317.470965426804	136.069215311886	136.069215311886
151	277	24391	-271941.1413	974557.3170250766	39.54758416028223	-101.7632433	562563.548427521	4321182.546578362	3640.437632517297	3452.227998541384	3315.6242573223546	3316.340821310056	136.28564111094374	133.87891640319276
152	277	24392	-271281.1413	974557.3170250766	39.5476037662733246	-101.7609043	562764.617297895	4321188.431192525	3639.348544129625	3450.8414062309853	3315.4306841492225	3316.3962304681334	137.0127208602623	134.4451757628308
153	277	24393	-270621.1413	974557.3170250766	39.54762313070024	-101.7585953	562965.649798154	4321184.325998918	3638.259405802063	3449.4349001415067	3315.0761698829336	3316.206264739333	134.3587040857306	137.4127366787302
154	277	24394	-269961.1413	974557.3170250766	39.5476391285894	-101.7562365	563166.763524822	4321175.18892931	3637.1036850341	3448.02355775296	3317.150989142629	3317.150989142629	134.4546613667334	130.86455780870354
155	277	24395	-269301.1413	974557.3170250766	39.547654146645913	-101.7538835	563381.7628423305	4321173.106897154	3636.16869718252	3428.831562064217	3317.150989142629	3317.150989142629	137.4127366787302	137.4127366787302
156	277	24396	-268641.1413	974557.3170250766	39.54767056821456	-101.7515844	563569.9126001236	4321171.99525368	3633.45036953132	3445.208305050445	3314.482474738733	3317.132055103045	130.7248291173164	128.076749
157	277	24397	-267981.1413	974557.3170250766	39.5476850825401	-101.7492094	563769.98473384907	4321167.887117215	3631.634628687173	3443.8126344016537	3313.91899515015	3317.3322275660575	129.8936218366367	126.74904084119612
158	277	24398	-267321.1413	974557.3170250766	39.547713383111045	-101.7468704	563971.0566345266	4321163.78037038	3629.264067125034	3442.426507427205	3313.334409304463	3317.09289666048	129.0920953974827	125.4075779082227
159	277	24399	-266661.1413	974557.3170250766	39.54773162785644	-101.7445315	564172.128302137	4321159.669122841	3627.1430077195016	3441.0509297113636	3312.64536100402	3316.60758311075	128.8288894	124.4434086026601
160	277	24400	-266001.1413	974557.3170250766	39.547749897286764	-101.7421925	564373.1998370762	4321155.560424782	3625.04539851812	3439.6838737454634	3311.854723	3316.084111062466	127.82915061585436	123.5994625143876
161	277	24401	-265341.1413	974557.3170250766	39.5477688659963	-101.7398635	564594.1021378305	4321151.45194738	3622.947788319245	3438.259405802063	3312.64536100402	3316.60758311075	127.82915061585436	123.5994625143876
162	277	24402	-264681.1413	974557.3170250766	39.5477880272337	-101.7375145	564775.34200970735	4321148.3889849	3620.9730577807235	3436.9730577807235	3312.64536100402	3316.60758311075	127.82915061585436	123.5994625143876
163	277	24403	-264021.1413	974557.3170250766	39.54780342966771	-101.7351755	564976.4124777865	4321143.35651118	3621.3212363331	3435.6270156719431	3312.64536100402	3316.60758311075	127.82915061585436	123.5994625143876
164	277	24404	-263361.1413	974557.3170250766	39.547822383429455	-101.7328365	565177.4832537978	4321139.138	3618.061218680175	3434.8505905468	3309.781059348621	3313.04830674432	126.32350971686494	121.5968070591381
165	277	24405	-262701.1413	974557.3170250766	39.54784032008054	-101.7304975	565378.553284925	4321135.02023583	3616.901111213304	3432.944649875953	3306.21554467268	3312.587215481912	126.7291054123152	122.5512323319023
166	277	24406	-262041.1413	974557.3170250766	39.54785835540495	-101.7281586	565579.623915303	4321130.913	3615.741100536572	3431.01689604302	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
167	277	24407	-261381.1413	974557.3170250766	39.547876193781982	-101.7258196	565780.693830031	4321126.850985183	3614.2666325987208	3430.268985190639	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
168	277	24408	-260721.1413	974557.3170250766	39.547894146645913	-101.7234676	565984.569620285	4321122.6897154	3612.947788319245	3428.831562064217	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
169	277	24409	-260061.1413	974557.3170250766	39.547916275971	-101.7211416	566182.9321335653	4321118.589291781	3611.689352004704	3427.581423013777	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
170	277	24410	-259401.1413	974557.3170250766	39.547929757162855	-101.7188026	566393.9043305535	4321114.485521191	3608.900713205945	3426.26578110852	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
171	277	24411	-258741.1413	974557.3170250766	39.54794746464523	-101.7164636	566584.97032180877	4321110.37922527	3606.081923264542	3425.393066427173	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
172	277	24412	-258081.1413	974557.3170250766	39.54796516984472	-101.7141246	566786.0388032516	4321106.273157854	3604.22396230624	3423.62510485523	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
173	277	24413	-257421.1413	974557.3170250766	39.54798283406126	-101.7117856	566987.1074808744	4321102.16709158	3598.384289898064	3422.32773	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
174	277	24414	-256761.1413	974557.3170250766	39.5480003559482	-101.7094466	567188.17560743117	4321098.016179436	3594.531025733883	3421.05401922208	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
175	277	24415	-256101.1413	974557.3170250766	39.5480183059913	-101.7071856	567390.261924476	4321094.005811325	3592.748454444444	3418.6154370176304	3312.587215481912	3312.587215481912	126.7291054123152	122.5512323319023
176	277	24416	-255441.1413	974557.3170250766	39.548035540312914	-101.7047686	567592.19013111933	4321090.051076882	3590.718455444444	3416.701482875103	3312.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKrg.f	BRLEvBothKrg.f	SurfElev.f	SatHtBoth.f
250	272	20449	-200661.1413	974557.3170250766	39.54933145320341	-101.510628	284278.1545505699	43807.49882702021	3384.8606785390953	3151.10117211164	3185.884604196759	3187.2420965191445	315.2664975243572	113.930090250197192
260	272	20450	-200001.1413	974557.3170250766	39.54934516923933	-101.508289	284479.207507254	43807.45.79587859	3384.3236577579307	3299.371945617996	3185.48904556474	3186.581271545883	315.284444961571219	113.927002791210337
261	272	20450	-198061.1413	974557.3170250766	39.54935684017882	-101.509486	284680.2527010156	43807.41.709268414	3381.7866398737146	3297.3623897874237	3184.33657626111	3185.037662789009	315.244031818641267	113.924502318641471
262	272	20450	-196861.1413	974557.3170250766	39.54937246588105	-101.503617	284881.3014814134	43807.36.782267565	3335.2496161937306	3295.78739595999	3173.2609154910247	3182.66448416735	315.826540469894248	123.10870471829548
263	272	20450	-198021.1413	974557.3170250766	39.54938606441174	-101.501276	285002.35050525513	43807.33.53670439	3329.0394884791853	3297.95990436787	3169.9156237661655	3165.577134	312.98107527312737	128.2404560847987
264	272	20450	-197361.1413	974557.3170250766	39.549399581749704	-101.489326	285283.3984073003	43807.24.57475436	3333.3362538318825	3292.2314179892337	3175.266403708045	3165.33827901759	316.04501428114925	126.84915909874731
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266	272	20450	-196041.1413	974557.3170250766	39.54942651668653	-101.484254	285685.4948938363	43807.21.729034535	3341.807945372777	3288.6256670541	3185.695914941277	3168.694739123507	310.1349117292638	115.182157219011
267	272	20450	-195381.1413	974557.3170250766	39.54943991694933	-101.481913	285886.5422174955	43807.17.194205398	3348.387684837146	3287.362458346723	3191.257002470876	3186.108064847235	315.9254338962528	115.0742638899952
268	272	20450	-194721.1413	974557.3170250766	39.549453271244374	-101.485972	286087.5897271719	43807.13.1025548	3342.30720084185	3285.5410879058413	3194.961704209936	3197.1187816756149	30.957387484847	88.4222300232699
269	272	20450	-194061.1413	974557.3170250766	39.54946659065399	-101.4872371	286288.6307333825	43807.09.204263977	3341.226753312236	3283.8914932704765	3174.760548350926	3174.56927124257	310.4309491955053	108.32221505801954
270	272	20450	-193401.1413	974557.3170250766	39.54947984874699	-101.48488	286489.6841724504	43807.04.93626054	3340.1461925782626	3322.22294444291	3163.055971210524	3162.768357645743	119.673478232374	119.4354587379368
271	272	20450	-192741.1413	974557.3170250766	39.5495036391454	-101.4825589	286680.7310116987	43807.00.95195659	3343.960929748533	3280.529300941156	3154.4743898970404	3154.5854189603224	116.0554019704914	125.9445117133616
272	272	20450	-192081.1413	974557.3170250766	39.54950623776624	-101.4802198	286891.776863077	43806.96.70988718	3352.696918420417	3278.812481183243	3148.4457960824044	3149.12282770724	310.366903411396	129.689534475731
273	272	20450	-191421.1413	974557.3170250766	39.549519366431994	-101.4778807	287022.82415147487	43806.92.686700085	3341.2283059587008	3277.072348	3149.430891686705	3148.4593262276623	313.314567696951	130.1613422800788
274	272	20450	-190761.1413	974557.3170250766	39.54953244991186	-101.475416	287293.0407740467	43806.88.60229671	3370.146902029035	3275.312299872403	3142.746856236987	3145.308398414263	312.50361424380339	130.039014581639
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277	272	20450	-188781.1413	974557.3170250766	39.54957149235606	-101.4685243	287897.0079218471	43806.75.35227641	3395.28800849582	3269.39789349043	3130.33558775351	3144.6017340423192	313.6344036194519	125.87058971671
278	272	20450	-188121.1413	974557.3170250766	39.54958433	-101.4661852	288098.0534238965	43806.72.27	3403.598794128127	3386.1292150049494	3136.7564478876807	3143.2982907673795	313.3727671726872	124.8309242375689
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281	272	20450	-186141.1413	974557.3170250766	39.54962291230525	-101.459133	288701.1882531451	43806.59.33648343	3418.696348461629	3262.00053820637	3131.912576550369	3137.912576550369	312.912576550369	112.053057269099
282	272	20450	-185481.1413	974557.3170250766	39.54963541054296	-101.456828	288902.23204709297	43806.55.45002661	3420.00353820637	3260.828795337054	3132.349350403439	3128.476130264243	312.8354354339683	128.406265072811
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284	272	20450	-184161.1413	974557.3170250766	39.54966079478914	-101.4521506	289304.32150407316	43806.47.7525659	3413.013792	3255.25240352947	3132.6288183350493	3130.6401897593644	312.6538021704386	125.65228537293024
285	272	20450	-183501.1413	974557.3170250766	39.549673385911944	-101.4498115	289505.3647200364	43806.43.69615102	3413.9819821	3255.5126640804	3132.2594834874657	3131.94792385027	312.5462021023454	123.5646232279705
286	272	20450	-182841.1413	974557.3170250766	39.54968592715873	-101.4474724	289706.40923716905	43806.39.61500265	3423.3447518999616	3132.924380004194	3132.5552609772256	319.82037109954217	118.954823273959	
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289	272	20450	-180861.1413	974557.3170250766	39.5497237978768	-101.4404551	290309.5398780758	43806.27.32851984	3427.10220086844	3248.516666	3134.5355132703235	3131.799002689003	311.9511289703674	116.716734782925
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291	272	20450	-179541.1413	974557.3170250766	39.5497479560446	-101.4357769	290711.62504466914	43806.19.21520025	3434.206129529276	3245.087781846056	3134.494650332842	3130.3254932066893	310.5930578517636	114.7622149779163
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296	272	20450	-176241.1413	974557.3170250766	39.5498085438516	-101.4240813	291716.8356719857	43805.98.8154	3441.789954535814	3236.6354253633	3129.36704600711	3125.846562995475	310.2630846567191	111.1505982268351
297	272	20450	-175581.1413	974557.3170250766	39.5498208885193	-101.4217422	291917.877183293	43805.94.736717686	3439.640881840542	3234.566881840542	3128.11056466338	3123.8496105625425	310.6481741741839	111.107352681740762
298	272	20450	-174921.1413	974557.3170250766	39.54983289575189	-101.4194031	292118.9184136725	43805.90.68182112	3437.4191273567367	3233.280137919794	3126.550674737276	3121.68078858465	310.7156645057621	111.62002339013765
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301	272	20450	-172941.1413	974557.3170250766	39.549868720237177	-101.4124569	292702.0931987785	43805.78.45330102	3443.5163027323274	3228.316352022105	3130.431936994974	3126.83413139598	310.9844152072345	111.7894510898621243
302	272	20450	-172281.1413	974557.3170250766	39.549880447176734	-101.410046	292923.95159715115	43805.74.63211935	3439.613214733025	3226.590174973671	3119.843			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SatHtLoth.f	SatHtBth.f
367	277	20425	-117501.1413	974557.3172050766	39.55070383513795	-101.2158974	390869.7527038067	4380236.6593913049	3284.9470998475235	3125.1726394893446	3026.650127650807	319.6003482215383	85.5225082975375	105.67522877680628
368	277	20426	-116841.1413	974557.3172050766	39.550711875655124	-101.2358592	390869.768278599	4380232.599921326	3280.6742224208466	3124.047948036154	3025.0951673420373	319.61796476222177	98.9532704	104.13131615333972
387	277	20427	-116181.1413	974557.3172050766	39.55071891	-101.212191	390870.9460595647	4380234.504758627	3278.6602948891713	3122.978167668862	3023.5579601261484	303.0514777668862	93.191965277078602	105.67522877680628
388	277	20428	-115521.1413	974557.3172050766	39.550727767124805	-101.208799	391021.8245183142	4380236.1841912325	3298.9052745894963	3121.78132	3022.326993	301.819451667371843	94.94562706180591	101.9361502013568
389	277	20429	-114861.1413	974557.3172050766	39.55073565407728	-101.2065407	391042.848005748	4380230.43085149	3284.150266806925	3120.6347472972498	3021.313961228077	318.2222426828837	97.9407606917266	102.42131861436609
390	277	20430	-114201.1413	974557.3172050766	39.5507345	-101.2042015	391063.8174664739	4380236.254374362	3258.3952627951236	3119.475175584097	3020.4802656887514	301.8012037259675	99.944099	101.4628634243313
391	277	20431	-113541.1413	974557.3172050766	39.550751292417424	-101.2018624	391084.89462718	4380212.306	3253.942144788298	3118.300080370002	301.8018664773012	301.8033053510666	98.94389377033	100.4678483893539
392	277	20432	-112841.1413	974557.3172050766	39.55075943805044	-101.1995232	391095.9176740135	4380208.28404638	3248.9421247776526	3117.1093373596113	301.76300817549323	301.8584745568978	99.4790270406788	101.25456819063311
393	277	20433	-112221.1413	974557.3172050766	39.55076675	-101.197164	391126.9405059547	4380204.19034959	3244.5836364487974	301.8715748129897	301.871402467753346	302.3257606358986	98.16534387296262	100.4678483893539
394	277	20434	-111561.1413	974557.3172050766	39.550774411015354	-101.194848	391147.9631	4380210.37240041	3240.1748113511907	3114.5648164160845	300.8309059748414	300.9475145759162	105.1074008362204	105.1074008362204
395	277	20435	-110901.1413	974557.3172050766	39.55078202683804	-101.1925057	391161.8506002561	4380196.07529754	3235.285516522393	3113.3634905769945	300.47556179007052	300.8549035032058	106.6137878628928	107.3903848169197
396	277	20436	-110241.1413	974557.3172050766	39.55078959477236	-101.1901665	391182.007	4380192.01807239	3229.810968052237	3112.40352373206	300.18556075212964	300.1698804819523	101.18474485190973	107.8067150128314
397	277	20437	-109581.1413	974557.3172050766	39.55079712291828	-101.1878273	391201.029934419	4380186.91082249	3224.0040666862342	3110.6794410319844	300.053256757485	300.0561535440591	106.8969536472974	106.8969536472974
398	277	20438	-108921.1413	974557.3172050766	39.55080040317585	-101.1854881	391222.0518693591	4380183.90439738	3212.0219121322315	3109.297009946166	299.9202849483653	300.065057822886	110.0950454625133	104.6613231230065
399	277	20439	-108261.1413	974557.3172050766	39.55081204	-101.1831489	391243.0739917665	4380179.84754249	3210.02699811587	3107.9020341312716	299.9099442560246	300.036529718475	101.0897524703	101.85177694706009
400	277	20440	-107601.1413	974557.3172050766	39.55081942815611	-101.180809	391264.0913087093	4380179.751491874	3203.2708915672893	3106.495254091427	299.662532689701	300.01516642914	106.812713044195	98.9835811769058
401	277	20441	-106941.1413	974557.3172050766	39.550826772818056	-101.1784708	391285.1164868771	4380171.73529409	3215.1482233368833	3105.0802372070623	300.0890334052494	300.170198858958	104.1993386477991	97.94919338136651
402	277	20442	-106281.1413	974557.3172050766	39.55083407322193	-101.1761314	3913026.137699914	4380167.679391039	3185.7587550732883	3103.6980894068957	300.259963313205	300.342800434046	101.05997363369056	95.370085304959
403	277	20443	-105621.1413	974557.3172050766	39.55084132663735	-101.1737922	391322.1758	4380163.62370486	3181.941757093093	3102.232796877552	300.7483492504805	300.77178338418	97.4484043276158	92.46101349336413
404	277	20444	-104961.1413	974557.3172050766	39.55084853576432	-101.171453	3913428.1794583695	4380159.62343366	3180.913238380002	3100.796857758476	300.7393531583799	300.6110511051271	93.40415419	89.1891472456769
405	277	20445	-104301.1413	974557.3172050766	39.550856990702794	-101.1691139	3913629.2004080377	4380151.5288254	3180.095016699105	309.36910	301.173971971474	301.1731065714738	81.8729362732574	85.650020507272177
406	277	20446	-103641.1413	974557.3172050766	39.55086281845276	-101.1667747	391383.220527403	4380151.4573847	3180.307974	309.79197626	301.318870404949	301.7057008574879	74.7892232347117	82.2065370
407	277	20447	-102981.1413	974557.3172050766	39.55086973054122	-101.1640261	391404.46793344	4380147.032105105	3179.4383435276	309.740327166852913	300.740327166852913	301.1652166891473	85.650020507272177	82.2065370
408	277	20448	-102321.1413	974557.3172050766	39.55087692	-101.1620963	391422.206994050	4380134.3485254	300.110400343584	305.019852	301.32074369692	301.1452360991947	82.659707503023	80.3498431135305
409	277	20449	-101661.1413	974557.3172050766	39.550893357185	-101.1597571	391443.2807680897	4380139.24144834	301.2154660517914	303.5635093764545	300.7184122886947	301.6163130981402	81.8970970850736	81.8513783941258
410	277	20450	-101001.1413	974557.3172050766	39.55089084156744	-101.1574179	391463.43005	4380131.23987826	301.2095068517	309.2105533107043	300.79030411653344	300.0891259497589	82.659707503023	80.3498431135305
411	277	20451	-100341.1413	974557.3172050766	39.55089773473475	-101.1550788	3914835.3200218153	4380127.81459487	300.654074454545	300.5379950172788	300.531184622777	85.264518266639	85.324228316773	85.324228316773
412	277	20452	-99681.1413	974557.3172050766	39.55090458193946	-101.152796	391506.3393773248	4380129.132296484	3229.680291597153	3089.183760621204	300.3172465363372	300.3220247836534	86.01129525487613	85.96351278
413	277	20453	-99081.1413	974557.3172050766	39.55091198442358	-101.1504004	391527.358522024	4380121.0781951	3231.818084843674	3087.7212489818197	300.12489846849385	300.12489846849385	85.96351278	85.96351278
414	277	20454	-98361.1413	974557.3172050766	39.55091814166511	-101.1480162	391543.3777465763	4380119.204534811	3233.0705301314	3086.7939519888	300.073020832115	300.07713868498	86.01129525487613	85.96351278
415	277	20455	-97701.1413	974557.3172050766	39.55093545371803	-101.145722	391563.3963696565	4380114.97202113	3233.874492201309	3084.795863734555	299.8003022338046	299.87382760352	81.8513783941258	81.8513783941258
416	277	20456	-97041.1413	974557.3172050766	39.55093915205853	-101.1433828	391584.015090549	4380119.01935155	3231.608904241006	3083.3328	299.6538057326463	299.6486416080083	86.79473401242362	86.4861580495163
417	277	20457	-96381.1413	974557.3172050766	39.55094381422613	-101.141036	391604.4335494657	4380106.66889285	3227.0794375389191	3081.8696848181594	299.51410229712806	299.534813288755	82.659707503023	80.3498431135305
418	277	20458	-95721.1413	974557.3172050766	39.55094871874821	-101.1387045	391624.015428203	4380102.81459487	3227.0794375389191	3080.43116035217	299.3936761746026	299.3936761746026	86.4861580495163	86.4861580495163
419	277	20459	-95081.1413	974557.3172050766	39.55095125004466	-101.136363	391644.4699197094	4380098.76246742	3225.33782081072	3079.32705766989	299.2485988987625	299.24027192011198	86.4861580495163	86.4861580495163
420	277	20460	-94401.1413	974557.3172050766	39.5509571786305	-101.1340261	391664.46793344	4380094.7025105	3225.33782081072	3078.4383435276	299.2485988987625	299.24027192011198	86.4861580495163	86.4861580495163
421	277	20461	-93741.1413	974557.3172050766	39.55096417707703	-101.1316899	391684.5507371984	4380098.76246742	3225.33782081072	3077.538363505858	299.2485988987625	299.24027192011198	86.4861580495163	86.4861580495163
422	277	20462	-93081.1413	974557.3172050766	39.55097057280256	-101.1293477	3917046.5231617534	4380096.69091798	3227.0794375389191	3076.6729546547	299.2485988987625	299.24027192011198	86.4861580495163	86.4861580495163
423	277	20463	-92421.1413	974557.3172050766	39.55097692352756	-101.1270085	3917247.505115773	4380095.5566212	3226.3333333333333	3075.80389553374	299.2485988987625	299.24027192011198	86.4861580495163	86.4861580495163
424	277	20464	-91761.1413	974557.3172050766	39.5509832287075	-101.1246693	3917448.5577311466	4380078.754034868	3221.86904756832	3071.37042783308	298.7803609416455	298.7862421941955	82.659707503023	80.3498431135305
425	277	20465	-91011.1413	974557.3172050766	39.55098948887357	-101.1223301	3917649.5747364917	4380074.45328901	3220.4335237192	3069.8272982697463	298.7404112838064	298.7404112838064	86.4861580495163	86.4861580495163
426	277	20466	-90441.1413	974557.3172050766	39.55099573385084	-101.1199829	3917850.5915819413	4380070.402343365	3220.4335237192	3068.73406241303	298.6795154115647	298.6795154115647	86.4861580495163	86.4861580495163
427	277	20467	-89781.1413	974557.3172050766	39.5509971786305	-101.117618	391805.4694675	4380064.946875	3220.4335237192	3067.642128950783	298.6795154115647	298.6795154115647	86.4861580495163	86.4861580495163
428	277	20468	-89121.1413	974557.3172050766	39.551007982391	-101.1153126	3918252.6247379193	4380062.4020484	3220.4335237192	3066.55310421094	298.6795154115647	298.6795154115647	86.4861580495163	86.4861580495163
429	277	20469	-88461.1413	974557.3172050766	39.55101407765005	-101.1129734	3918453.64105251							

ix	iy	tc	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLElevKgr.f	BRLEvBotKgr.f	SatHtLog.f	SatHtBot.f
511	277	04751	-34341.14133	974557.3170250766	39.551358810956415	-00.92111598	334936.930223314	4739726.886142224	270.7251267756847	2939.9500826275043	2886.758312966172	2862.607940161082	53.1912513	77.32421407
512	277	04752	-33681.14133	974557.3170250766	39.55136114	-00.9188194	333137.397333172	473972.854	3024.435139261911	2938.25020539577	2884.485510086445	2860.942433527334	53.7665150331372	77.30779211204299
513	277	04753	-33021.14133	974557.3170250766	39.5513651936261	-00.9164819	332638.994396911	473971.822233668	2938.14515174847	2945.361389571788	2881.483295282507	2858.4952481531687	53.7665150331372	77.30779211204299
514	277	04754	-32361.14133	974557.3170250766	39.5513656151495	-00.914141	335539.4014748911	4739714.790063585	2935.85164234364	2937.67208323981	2878.19006255276	2858.146270569457	56.705207770537	76.7299562603546
515	277	04755	-31701.14133	974557.3170250766	39.5513678645552	-00.9118017	335740.4033617444	473971.751989898	2907.7629077185566	2933.196812843804	2875.231820580485	2860.0422034309418	57.96496292574594	72.15460491
516	277	04756	-31041.14133	974557.3170250766	39.55137000260575	-00.9094625	335941.4048701817	473970.727924564	2995.8683387200014	2931.524244124217	2871.302206025336	2860.994231702789	60.2121238708563	70.5219269163294
517	277	04757	-30381.14133	974557.3170250766	39.5513721038166	-00.9071233	336142.4064961041	473970.689712018	2983.97568682872	2929.856213	2867.3016710884356	2859.9641885824315	62.5480238	69.8920248327858
518	277	04758	-29721.14133	974557.3170250766	39.55137416290047	-00.9047841	336343.4078441829	473969.666425294	2927.079331	2928.1951923212137	2864.143601690316	2859.159620405835	60.4159004	69.03557219
519	277	04759	-29061.14133	974557.3170250766	39.5513761733228	-00.9024449	336544.408382675	473969.536897549	2925.540825675373	2926.540825675373	2861.415119830436	2857.517761516875	65.12083274312363	70.0229105688366
520	277	04760	-28401.14133	974557.3170250766	39.55137814251602	-00.9001057	336745.407054999	473969.503650222	2950.504772431398	2924.89168618624	2859.38012323091	2856.389542484514	65.508738533331	68.505739901727
521	277	04761	-27741.14133	974557.3170250766	39.551380064519634	-00.8977665	336946.4105627575	473969.655	2938.731668829474	2927.922341651182	2857.922341651182	2853.9232364597	65.2862061178554	68.2367534125412
522	277	04762	-27081.14133	974557.3170250766	39.55138194133376	-00.8954272	337147.4116225706	473969.545348578	2953.001606252485	2921.621910538004	2857.288453876651	2855.254536719125	64.32445657714925	66.3582737467555
523	277	04763	-26421.14133	974557.3170250766	39.5513837725836	-00.8930808	337438.412237529	473969.751566442	2957.057945626292	2919.982885	2857.05009604195	2855.479587346663	62.976382776085	64.50378148742741
524	277	04764	-25761.14133	974557.3170250766	39.5513855939345	-00.8907488	337549.4126374051	473969.446198687	2968.9221832974439	2918.360677734824	2857.009623734439	2856.012360932942	61.35105400038492	61.94837134193085
525	277	04765	-25101.14133	974557.3170250766	39.551387300639036	-00.8884908	337750.4283069915	473969.458945305	2980.786421532404	2916.7495583894926	2857.006692800418	2856.829267217328	59.2711568625073	60.2991172616544
526	277	04766	-24441.14133	974557.3170250766	39.55138899605096	-00.8860704	337951.4122727435	473969.477008865	2992.650597673597	2915.149838197405	2856.373502336964	2856.66591131424	58.783353905635	58.4839370632536
527	277	04767	-23781.14133	974557.3170250766	39.55139064756164	-00.8837312	338152.4129083152	473969.390060263	2997.3204581969916	2913.56179609164	2854.1589892423485	2854.933094336994	58.7792681528	58.6269453216995
528	277	04768	-23121.14133	974557.3170250766	39.5513925233867	-00.8813199	338353.417837435	473969.347845065	2994.814395089671	2911.865514	2853.6472130872	2853.6472130872	58.7792681528	58.6269453216995
529	277	04769	-22461.14133	974557.3170250766	39.55139381372617	-00.8790527	338554.412296176	473969.65342	2992.3018035939365	2910.42107395307	2848.42915954931	2851.8064870433705	61.91914403827215	61.85448690363673
530	277	04770	-21801.14133	974557.3170250766	39.55139532902409	-00.8767135	338755.4115739554	473969.51392675	2988.7894138642967	2908.8687366119437	2846.46263614620328	2849.8126734498371	59.0513916223615	60.19116223615
531	277	04771	-21141.14133	974557.3170250766	39.5513967913254	-00.8743743	338964.411062269	473969.28597449	2988.6121397400018	2907.328750732158	2842.50419137375	2842.50419137375	59.0513916223615	60.19116223615
532	277	04772	-20481.14133	974557.3170250766	39.55139824051424	-00.8720351	339157.410206255	473969.258	2991.7699044005098	2905.801747238016	2838.530645137551	2846.310625058195	59.2711568625073	60.2991172616544
533	277	04773	-19821.14133	974557.3170250766	39.5514002917962	-00.8696819	339342.4201731818	473969.23079318	2993.8523396770187	2903.8523396770187	2836.5314874838478	2842.50419137375	59.0513916223615	60.19116223615
534	277	04774	-19161.14133	974557.3170250766	39.55140193832057	-00.8673566	339559.4080407813	473969.20347309	2998.0654841090277	2902.789940473937	2833.397848795205	2833.397848795205	59.2711568625073	60.2991172616544
535	277	04775	-18501.14133	974557.3170250766	39.55140222726705	-00.8650174	339760.4076722247	473969.17317069	2997.491183273141	2901.329543566885	2832.630213765544	2833.1531911038087	68.760329083307	68.1497325288077
536	277	04776	-17841.14133	974557.3170250766	39.551403471831556	-00.8626782	339961.40524843684	473969.142248813	2998.1447515486694	2899.825122598875	2829.87658861992	2830.41171038087	69.485337988441	69.4134115601705
537	277	04777	-17181.14133	974557.3170250766	39.5514046780227	-00.860339	340162.4063194739	473969.127842885	2998.789398991427	2898.326413388942	2827.211507315534	2827.211507315534	69.4134115601705	69.4134115601705
538	277	04778	-16521.14133	974557.3170250766	39.55140582458345	-00.8579989	340363.4018	473969.109632507	2998.4570081979845	2896.8789311962553	2822.7744025207517	2822.7744025207517	69.4134115601705	69.4134115601705
539	277	04779	-15861.14133	974557.3170250766	39.55140698996925	-00.8556666	340564.4069296625	473969.08290673	2999.3523396770187	2895.3523396770187	2822.7744025207517	2822.7744025207517	69.4134115601705	69.4134115601705
540	277	04780	-15201.14133	974557.3170250766	39.5514082978824	-00.8533213	340765.4079378057	473969.06141067407	2999.4570081979845	2894.4570081979845	2822.7744025207517	2822.7744025207517	69.4134115601705	69.4134115601705
541	277	04781	-14541.14133	974557.3170250766	39.5514094719188	-00.8509821	340966.3955564905	473969.03123441	3000.5437751480214	2892.3322380273275	2816.763024077232	2816.763024077232	69.4134115601705	69.4134115601705
542	277	04782	-13881.14133	974557.3170250766	39.55140998781526	-00.8486429	341167.391549897	473969.019374447	3005.04753636037	2890.72543963037	2812.50813360424	2815.535687	69.4134115601705	69.4134115601705
543	277	04783	-13221.14133	974557.3170250766	39.55141091549086	-00.8463037	341368.390995965	473969.073724985	3004.911265233049	2889.070836777529	2810.76833393864	2817.56142909194	69.4134115601705	69.4134115601705
544	277	04784	-12561.14133	974557.3170250766	39.5514117829336	-00.8439645	341569.387	473969.053942	3003.128290443807	2887.743678763917	2808.644924177316	2817.56142909194	69.4134115601705	69.4134115601705
545	277	04785	-11901.14133	974557.3170250766	39.5514126357486	-00.8416253	341770.385127878	473969.019	3001.345314863524	2885.65565391381	2806.56148898718	2818.3534049747767	69.4134115601705	69.4134115601705
546	277	04786	-11241.14133	974557.3170250766	39.5514134201152	-00.8392184	341971.382120484	473969.02306073	3000.5437751480214	2884.302396777529	2804.41390927873	2817.56142909194	69.4134115601705	69.4134115601705
547	277	04787	-10581.14133	974557.3170250766	39.55141417508911	-00.8369468	342172.3784314696	473969.01868	2998.2108757070282	2881.9385098316425	2801.9385098316425	2801.9385098316425	69.4134115601705	69.4134115601705
548	277	04788	-9921.141327	974557.3170250766	39.5514148795711	-00.8346076	342373.37562138424	473969.0174380724	2996.371681196834	2880.504714091357	2799.53675541216	2821.1573801305117	69.4134115601705	69.4134115601705
549	277	04789	-9261.141327	974557.3170250766	39.551415533671495	-00.8322684	342574.3721469634	473969.017934699	2993.6585582341	2878.81733341316	2797.346489	2821.658945334478	69.4134115601705	69.4134115601705
550	277	04790	-8601.141327	974557.3170250766	39.55141614517832	-00.8299292	342775.3685200904	473969.75868443	2997.151126951786	2877.1521880330697	2795.24895	2821.658945334478	69.4134115601705	69.4134115601705
551	277	04791	-7941.141327	974557.3170250766	39.5514171495591	-00.8278989	342976.3647097514	473969.7250519	2992.86485752891	2875.51153308009	2793.2213996251508	2823.326211806719	69.4134115601705	69.4134115601705
552	277	04792	-7281.141327	974557.3170250766	39.55141723623265	-00.8255207	343177.360908196	473969.748832345	2991.5940414	2873.96868161027	2873.96868161027	2823.326211806719	69.4134115601705	69.4134115601705
553	277	04793	-6621.141327	974557.3170250766	39.5514181290886	-00.8232684	343378.365924824	473969.7629077185566	2990.729127345152	2872.9127345152	2872.9127345152	2823.326211806719	69.4134115601705	69.4134115601705
554	277	04794	-5961.141327	974557.3170250766	39.5514193380985	-00.8205723	343579.3524922054	473969.780327476	2989.055107160926	2870.79826161027	2870.79826161027	2823.326211806719	69.4134115601705	69.4134115601705
555	277	04795	-5301.141327	974557.3170250766	39.55141852488885	-00.8182321	343780.3481061575	473969.478973371	2988.461478904525	2869.21				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRIEVLgsKrg.f	BRIEVBthKrg.f	SatHthKrg.f	SatHbthKrg.f
627	204877	48818.85867307335	974557.3170250766	39.55129636	-100.6264174	60261.4929459811	4739220.546628987	7389.7790597197433	2742.7241836069728	2691.09803550541	2691.377260629851	5116338005913192	51.34692297282156	
638	204878	48479.85867307335	974557.3170250766	39.55129295943975	-100.6240782	60462.47670684875	4739216.54174339	2636.3172661173807	2746.671504596828	2683.7772916109534	2684.4010554173906	56.27648917343735	56.27648917343735	
639	204879	50138.85867307335	974557.3170250766	39.55128968513534	-100.621739	60663.4603638014	4739212.537078272	2638.42904617328	2738.638967280814	2676.6681945738374	2676.6681945738374	61.18449690976024	61.18449690976024	
640	204880	50798.85867307335	974557.3170250766	39.55126612958636	-100.6193988	60864.44383118633	4739205.532662767	2637.73697382404	2736.612607382404	2663.943957007204	2663.943957007204	72.6680987538348	70.84437412123902	
641	204881	51458.85867307335	974557.3170250766	39.5512662884807	-100.6170066	61065.4271918272	4739204.52834232	2638.799637366106	2734.596950714018	2665.8902961059625	2665.8902961059625	71.70665468005549	79.6591602480045	
642	204882	52118.85867307335	974557.3170250766	39.5512609820405	-100.6147213	61266.1041	4739205.342374841	2640.485276505963	2732.5920505463656	2641.5727151251967	2641.5727151251967	73.81478932116882	88.727460546906	
643	204883	52778.85867307335	974557.3170250766	39.5512754180351	-100.6123821	61467.36831269824	4739196.5208791	2639.6362493739714	2730.599012401155	2631.1650762148594	2631.1650762148594	73.81478932116882	88.727460546906	
644	204884	53438.85867307335	974557.3170250766	39.55127185549729	-100.6100429	61668.37474333945	4739192.516811776	2638.253594886433	2728.616340322617	2627.253303003324	2627.253303003324	74.0330143719393	89.65807647175005	
645	204885	54098.85867307335	974557.3170250766	39.55126891490176	-100.6077037	61869.3590010598	4739185.13807864	2637.6470595801296	2626.920223706595	2626.920223706595	2626.920223706595	74.0330143719393	89.65807647175005	
646	204886	54758.85867307335	974557.3170250766	39.55125444711695	-100.605345	62070.341906044	4739184.51049107	2637.485283871296	2724.93434662504	2626.806813707512	2627.89539530235	75.8862159	86.747711550427	
647	204887	55418.85867307335	974557.3170250766	39.55126057542555	-100.6030253	62271.234555571	4739180.50705434	2628.270014820453	2722.753954829427	2626.88081151749	2654.55194045658	76.828245682	86.2054778	
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680	204920	77198.85867307335	974557.3170250766	39.5511105246004	-100.5258316	68893.6762725144	4739078.53097012	2623.132910503657	2686.382167286484	2624.938635056578	2624.938635056578	78.0680899638426	72	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfKthLogm	SurfKthBot.f
24	278	205003	-356421.1413	752127.3170250766	39.546643618667286	-102.0626522	32688.3079739742	43819121.824647563	3822.720883237387	3611.4134850378423	3551.290304349717	3552.6492121844663	61.12318069	63.764273193715995
24	278	205004	-355761.741	752127.3170250766	39.54666799644646	-102.0603134	327029.4127220385	4381917.685564446	3829.31116803441	3615.094695434846	3550.072687279014	3551.4843617969822	65.02200816	63.6103363795377
25	278	205005	-355111.1413	752127.3170250766	39.54669330584786	-102.0587745	327250.2172062363	4381933.7457653601	3835.9014527491438	3618.791103839397	3548.951515136478	3549.551515136478	64.8698952891934	64.2277837891882
26	278	205006	-354441.1413	752127.3170250766	39.54671662007092	-102.056537	327431.6214291235	4381907.46699460407	3842.917374618462	3612.4665924682545	3547.5306445894948	3548.336657787897	64.12959465789591	64.12959465789591
27	278	205007	-353781.741	752127.3170250766	39.546740864115755	-102.0523968	327632.7253918716	4381916.7667866335	3847.91677666335	3617.151900437693	3546.155303125185	3547.0834457807914	65.001898168416	64.0737442627931
28	278	205008	-353121.1413	752127.3170250766	39.54676526823224	-102.050598	327833.8209471413	4381901.120313764	3843.176273366097	3609.85005995558	3544.709203539166	3545.76732455865	65.017024539207	64.08317274997763
29	278	205009	-352461.1413	752127.3170250766	39.54678921667061	-102.0486191	328034.9325378608	4381906.94903663	3841.43587408585	3608.547984308892	3543.187202248583	3544.3547348370822	65.3606072260132	64.19325180303747
30	278	205010	-351801.1413	752127.3170250766	39.5468133	-102.0462802	328236.20512151548	4381892.857	3839.695471769159	3607.250710895487	3541.579648074017	3542.7328921241505	65.6778115125994	64.87781757033918
31	278	205011	-351141.1413	752127.3170250766	39.5468372885287	-102.043814	328437.1387455585	4381880.7201482773	3837.75476870585	3605.895951186203	3539.86168786891512	3540.7604777	65.07476855243918	65.1957806441051
32	278	205012	-350481.1413	752127.3170250766	39.54686140657701	-102.041025	328638.24114114473	4381894.583092483	3835.613785	3604.674523453424	3538.22037879676	3538.736317786028	66.45414466	65.9328116740418
33	278	205013	-349821.1413	752127.3170250766	39.54688537965157	-102.0392638	328839.3483175612	4381880.446	3833.472761055523	3603.68309858232	3536.683780264124	3536.403484119555	66.17472972169591	66.99414511738676
34	278	205014	-349161.1413	752127.3170250766	39.546909304745785	-102.0369248	329040.454955314	4381876.390563991	3831.331757440537	3602.32042264287	3535.3246641473947	3535.4521470398575	66.80537811689192	66.71067157042911
35	278	205015	-348501.1413	752127.3170250766	39.546933919	-102.0345859	329241.5478546008	4381872.132624999	3828.2068439183826	3534.108531232925	3529.51641	3529.51641	66.7608259	67.3530051795286
36	278	205016	-347841.1413	752127.3170250766	39.5469570250379	-102.032247	329442.6448563557	4381863.07096168	3824.096716179633	3599.611053924933	3533.046265549507	3533.046265549507	67.00080880194	67.3152651225501
37	278	205017	-347181.1413	752127.3170250766	39.54698082	-102.0299802	329643.750898213	4381863.901147491	3819.987023410512	3597.80292579632	3532.191344039352	3528.093409504313	66.17898484020869	67.27688307420607
38	278	205018	-346521.1413	752127.3170250766	39.54700546684528	-102.0276983	329844.8519737468	4381859.765	3815.871616831183	3597.13237100311	3531.376168351183	3528.741200392034	65.7618502404743	67.27688307420607
39	278	205019	-345861.1413	752127.3170250766	39.54702827	-102.025204	3300.054.9528312721	4381855.63	3809.874971496944	3590.05226544384	3530.4164854728924	3527.7768561410926	65.48574707	67.27688307420607
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41	278	205021	-344541.1413	752127.3170250766	39.547075530716646	-102.0205526	330448.1537741998	4381847.395554182	3793.9404872803573	3593.464872803573	3527.37319390208	3525.599846820869	66.0916843513461	67.8650313676426
42	278	205022	-343881.1413	752127.3170250766	39.5470993038269	-102.0182138	330649.25360301826	4381843.22470618	3786.000894575337	3592.258625501737	3525.445912589555	3524.131217393939	65.81274378105193	68.12740738195103
43	278	205023	-343221.1413	752127.3170250766	39.54712262456978	-102.0158749	330850.35689597	4381839.009078269	3780.018403750512	3591.06100036798	3523.4625729213494	3523.4625729213494	67.59824744654861	68.5956471604612
44	278	205024	-342561.1413	752127.3170250766	39.54714601057787	-102.013536	331015.4526174765	4381834.955670473	3776.024267056242	3589.67168562397	3521.958898190507	3520.932434191934	68.2776837192353	68.5956471604612
45	278	205025	-341901.1413	752127.3170250766	39.5471698168188	-102.0111973	331269.453271484273	4381830.221482773	3768.71983412008184	3587.7383412008184	3519.468418407936	3519.468418407936	67.98682297953363	68.1251103363568
46	278	205026	-341241.1413	752127.3170250766	39.54719291705688	-102.008852	331453.65163713618	4381826.6575167	3767.970505271237	3587.51411989236	3518.708167537173	3518.514586621462	68.80024343	68.5974821276738
47	278	205027	-340581.1413	752127.3170250766	39.54721625727715	-102.0065193	331654.750311552	4381822.63517647	3763.805257496047	3586.349641058674	3518.0057823371316	3517.991550732468	68.3748717749567	68.5974821276738
48	278	205028	-339921.1413	752127.3170250766	39.547239528193084	-102.0041804	331855.8488921047	4381818.420240202	3759.49047046958	3585.188222301996	3518.137423479444	3518.06925924673	67.015892255207	67.11952706
49	278	205029	-339261.1413	752127.3170250766	39.547262802931805	-102.0018416	332056.8478218902	4381814.2863224	3755.176225978887	3584.037222701323	3518.096312888568	3519.351277657399	67.34370908127556	68.2444561273243
50	278	205030	-338601.1413	752127.3170250766	39.5472860706497	-101.9995027	332258.043180087	4381810.154	3750.8617061487794	3582.883245724533	3518.335862781715	3518.940274280634	64.54739144937184	68.9429804690913
51	278	205031	-337941.1413	752127.3170250766	39.5473091678188	-101.9971638	332459.14309174968	4381806.020976429	3748.712537660707	3581.7383412008184	3517.684118407936	3517.684118407936	65.15811103	67.98682297953363
52	278	205032	-337281.1413	752127.3170250766	39.54733282193366	-101.9948229	332660.2447777872	4381801.888331047	3746.168224024046	3580.931230473	3516.99170783305	3516.99170783305	67.012925984	67.98682297953363
53	278	205033	-336621.1413	752127.3170250766	39.54735535158846	-101.992486	332861.3378998048	4381797.756	3748.744884101113	3579.447885350606	3508.2713895178267	3508.2713895178267	67.1764683087993	69.2057219222968
54	278	205034	-335961.1413	752127.3170250766	39.54737837580415	-101.9901471	333062.434917658	4381793.63969751	3748.7630047622256	3505.4861562473487	3508.259616772468	3508.259616772468	67.9907439657708	69.2057219222968
55	278	205035	-335301.1413	752127.3170250766	39.54740135484031	-101.9878082	333263.53168103285	4381789.491709645	3745.504403207644	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
56	278	205036	-334641.1413	752127.3170250766	39.54742428869695	-101.985493	333464.6281902517	4381785.39942561	3745.083035605977	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
57	278	205037	-333981.1413	752127.3170250766	39.547447177374025	-101.9831304	333665.7244555007	4381781.22859493	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
58	278	205038	-333321.1413	752127.3170250766	39.54747020267147	-101.980715	333866.8109715292	4381777.07616429	3745.168224024046	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
59	278	205039	-332661.1413	752127.3170250766	39.54749318918928	-101.9783426	334067.91619519732	4381773.0561367	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
60	278	205040	-332001.1413	752127.3170250766	39.54751611423795	-101.9759137	334269.01619519732	4381769.0561367	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
61	278	205041	-331341.1413	752127.3170250766	39.54753927320858	-101.9734777	334469.1168992525	4381765.83074295	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
62	278	205042	-330681.1413	752127.3170250766	39.5475624036421	-101.9714358	334671.201923602	4381761.57360102	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
63	278	205043	-330021.1413	752127.3170250766	39.54758553606289	-101.9690969	334872.2966543143	4381756.44373296	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
64	278	205044	-329361.1413	752127.3170250766	39.547608631308171	-101.966758	335073.314051518	4381751.375725794	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
65	278	205045	-328701.1413	752127.3170250766	39.54763175855104	-101.964411	335274.4061518	4381746.3061518	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
66	278	205046	-328041.1413	752127.3170250766	39.547654881918928	-101.9620082	335467.91619519732	4381741.0561367	3745.625628004151	3503.7512559543446	3505.052644	3505.052644	67.9907439657708	69.2057219222968
67	278	205047	-327381.1413	752127.3170250766	39.54767837580415	-101.9597413	335678.01619519732	4381736.0561367	3745.625628004151	3503.7512559543				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatThLoKgr.ft	SatThBothKgr.ft
149	278	205129	-272361.1413	752521.3170250766	35.549359651825824	-101.7679453	262165.5214586062	3431402.066325378	3642.436306691284	331.1984271327542	331.5123858535194	314.6282487576737	314.421005843	
150	278	205130	-272601.1413	752521.3170250766	35.54937833862165	-101.7676063	262366.5949994563	3431397.552038358	3642.098435620204	3452.94211564019635	330.8736374214274	330.276357897027	314.54551899054206	
151	278	205131	-273141.1413	752521.3170250766	35.54939696022412	-101.7676373	262567.6690574684	3431383.8442191672	3641.489314904948	3451.9277718410364	331.0448997494867	331.0448997494867	314.5589132789587	
152	278	205132	-273128.1413	752521.3170250766	35.549415576663264	-101.7676023	262768.74173786894	3431360.593233241	3640.598791160309	3449.64112940378894	331.1732495562095	331.47879048167983	314.1431194361623	
153	278	205133	-272621.1413	752521.3170250766	35.54943412790988	-101.7585892	262699.81425148297	3431385.623712921	3638.711650915868	3448.195230156339	332.6196268969638	331.7877883943676	315.49894316671734	
154	278	205134	-269691.1413	752521.3170250766	35.549452633971256	-101.7562502	263170.88681933756	3431381.512933575	3638.8245160710083	3436.7845263433937	331.3222644637045	331.314291319596892	315.3237534196621	
155	278	205135	-269801.1413	752521.3170250766	35.54947100485006	-101.7539112	263371.95918840156	3431377.402913168	3637.1570685402551	3445.378562017226	331.34386830072626	331.34862040107375	315.94192055	
156	278	205136	-268641.1413	752521.3170250766	35.54949951054538	-101.7515721	263573.013260504	3431373.29112063	3634.70342925514	3443.97942	331.34074383999017	331.347019814630336	315.97198147304987	
157	278	205137	-267891.1413	752521.3170250766	35.54950781057124	-101.7492831	263774.103293197	3431369.184	3633.569154	3442.5902398394	331.3192486363192	331.3192486363192	315.97198147304987	
158	278	205138	-267321.1413	752521.3170250766	35.54952630383295	-101.746894	263975.17466947483	3431365.074167724	3632.81383586714	3441.211051118137	331.3172552308575	331.3172552308575	315.97198147304987	
159	278	205139	-266661.1413	752521.3170250766	35.549544466529654	-101.744555	264176.2645	3431362.0050475	3627.470040191551	3439.824058341885	331.31429117202959	331.3147842	315.97198147304987	
160	278	205140	-266001.1413	752521.3170250766	35.54956271449804	-101.742216	264377.31647121074	3431356.85069485	3625.2301930439635	3438.4089956291865	331.315865423259995	331.315865423259995	315.97198147304987	
161	278	205141	-265341.1413	752521.3170250766	35.54958091	-101.7398769	264578.386132508	3431352.747393742	3622.990432991564	3437.1275268800627	331.310390342991564	331.6829551746064	315.97198147304987	
162	278	205142	-264681.1413	752521.3170250766	35.54959955670466	-101.7375739	264779.45930300103	3431348.6308028	3620.7504967924925	3435.7805680724823	331.31035079724925	331.3132589724823	315.97198147304987	
163	278	205143	-264021.1413	752521.3170250766	35.54961715520915	-101.735198	264980.5289606659	3431344.530642077	3618.856255140081	3434.43861713919484	330.91072744837663	331.312840015043066	315.97198147304987	
164	278	205144	-263361.1413	752521.3170250766	35.54963520950611	-101.7328598	265181.6001364473	3431340.42259111	3617.425710162033	3433.098628078067	330.7748281921277	331.312067359679673	315.97198147304987	
165	278	205145	-262701.1413	752521.3170250766	35.54965321854822	-101.7305208	265382.6718055817	3431336.314767381	3615.955816853968	3431.7624354989748	330.6310997178791	331.3117368669293	315.97198147304987	
166	278	205146	-262041.1413	752521.3170250766	35.5496711824065	-101.7281817	265583.7399932005	3431332.207158975	3614.4859152359256	3430.425475505283	330.4871891338765	331.310414902908127	315.97198147304987	
167	278	205147	-261381.1413	752521.3170250766	35.5496981	-101.7258427	265784.8096574578	3431328.1	3612.90050320706	3429.0810063734875	330.6167445585814	330.6167445585814	315.97198147304987	
168	278	205148	-260721.1413	752521.3170250766	35.549706974571215	-101.7235036	265985.8780249024	3431323.92599517	3611.1990603326258	3427.743697686764	330.7170716319365	330.7170716319365	315.97198147304987	
169	278	205149	-260061.1413	752521.3170250766	35.549724802776884	-101.7211646	266186.94804437587	3431319.886	3609.49870265923	3426.40147483954	329.916969996702	330.7233402	315.97198147304987	
170	278	205150	-259401.1413	752521.3170250766	35.54974256000136	-101.7188255	266388.0163320577	3431315.7819679	3607.97798973359	3425.07169428137	329.97652989904394	330.73491861046843	315.97198147304987	
171	278	205151	-258741.1413	752521.3170250766	35.54976032839556	-101.7164877	266592.66501584187	3431311.672404498	3606.52823984774	3429.46501436314	329.948002902827	330.742455306354	315.97198147304987	
172	278	205152	-258081.1413	752521.3170250766	35.54977802	-101.7141474	266790.1540197534	3431307.5611197	3605.104965312457	3422.40881962485	329.940506102606	329.97504761563487	315.97198147304987	
173	278	205153	-257421.1413	752521.3170250766	35.54979566426316	-101.7118083	266991.2222178489	3431303.460037073	3597.303046356527	3421.096791291184	329.91967727311075	329.945739374724	315.97198147304987	
174	278	205154	-256761.1413	752521.3170250766	35.54981327	-101.7094693	267192.2901861969	3431299.3541821196	3593.44462053441	3419.808119034698	328.851897010681	329.918051145498	315.97198147304987	
175	278	205155	-256101.1413	752521.3170250766	35.549838038351224	-101.7071302	267393.3579248493	3431295.248564322	3591.3280650774727	3419.2851661555725	328.77244331388357	329.9283346171886	315.97198147304987	
176	278	205156	-255441.1413	752521.3170250766	35.54984833586001	-101.7047912	267594.425441839	3431291.143129681	3590.952479729195	3417.15123331860907	328.6469225817997	328.7498541427145	315.97198147304987	
177	278	205157	-254781.1413	752521.3170250766	35.54986856027053	-101.7024621	267796.4954742687	3431287.037821648	3589.57146883634	3415.62123331860907	328.6469225817997	328.7498541427145	315.97198147304987	
178	278	205158	-254121.1413	752521.3170250766	35.54988632435178	-101.7001131	267992.62573602	3431282.93592636	3588.202057279898	3415.3712717295306	328.6469225817997	328.7498541427145	315.97198147304987	
179	278	205159	-253461.1413	752521.3170250766	35.54990060081672	-101.697774	268197.626587597	3431278.82194597	3588.362516310516	3414.120581178563	327.1680657836274	327.8192135	315.97198147304987	
180	278	205160	-252801.1413	752521.3170250766	35.54991783920734	-101.6954349	268398.3861813746	3431274.73265491	3587.684637308181	3413.1485291828394	327.1680657836274	327.8192135	315.97198147304987	
181	278	205161	-252141.1413	752521.3170250766	35.54993521819357	-101.6930959	268599.759647111	3431270.619	3586.754878559468	3412.207481408133	327.548675417619	327.548675417619	315.97198147304987	
182	278	205162	-251481.1413	752521.3170250766	35.549952459105434	-101.6907568	268800.825638758	3431265.5123261	3585.45102957713	3411.286489896054	327.632208741781	327.632208741781	315.97198147304987	
183	278	205163	-250821.1413	752521.3170250766	35.54996965	-101.6884177	269001.8915930715	3431262.41348836	3585.375498383329	3410.379758263575	327.53524714324	327.53524714324	315.97198147304987	
184	278	205164	-250161.1413	752521.3170250766	35.54998783597545	-101.6861977	269202.357459308	3431258.308	3584.52823984774	3409.46501436314	329.948002902827	330.742455306354	315.97198147304987	
185	278	205165	-249501.1413	752521.3170250766	35.550003937013419	-101.6837298	269404.0278239216	3431254.2040548	3583.9583626962	3408.59836797145	327.4837048233265	326.701338314245	315.97198147304987	
186	278	205166	-248841.1413	752521.3170250766	35.55002097	-101.6814005	269605.076545243	3431250.1015027	3583.873918773735	3407.75168781479	326.544957475497	326.51112090792	315.97198147304987	
187	278	205167	-248181.1413	752521.3170250766	35.5500379859743	-101.6790615	269806.15295431635	3431245.98080574	3583.329826371027	3406.83329826371027	326.3430082975458	331.19025973954467	315.97198147304987	
188	278	205168	-247521.1413	752521.3170250766	35.55005485670216	-101.6767224	270007.2172767693	3431241.89521185	3586.853161941807	3405.949905702444	326.16157342351894	326.16157342351894	315.97198147304987	
189	278	205169	-246861.1413	752521.3170250766	35.550071880322564	-101.6743833	270208.2822749277	3431237.75265282	3586.1867843312	3405.063992045653	325.99482115799537	325.99482115799537	315.97198147304987	
190	278	205170	-246201.1413	752521.3170250766	35.55008875975715	-101.6720442	270408.346	3431233.69	3583.4722548643	3404.171801713625	325.99482115799537	325.99482115799537	315.97198147304987	
191	278	205171	-245541.1413	752521.3170250766	35.55010584994042	-101.669774	270610.454576753	3431229.48173323	3582.548173323	3403.268173323	325.99482115799537	325.99482115799537	315.97198147304987	
192	278	205172	-244881.1413	752521.3170250766	35.5501238037444	-101.6673661	270811.4746	3431225.4862161	3581.362516310516	3402.364527194012	325.95415709096318	325.95415709096318	315.97198147304987	
193	278	205173	-244221.1413	752521.3170250766	35.55013913	-101.665027	271012.538192156	3431221.34396937	3580.327562799165	3401.439451750599	325.3402571715886	325.3402571715886	315.97198147304987	
194	278	205174	-243561.1413	752521.3170250766	35.55015652565214	-101.6626789	271213.60107352	3431217.2830677	3581.928993308645	3400.530926391429	325.2406730836903	325.2406730836903	315.97198147304987	
195	278	205175	-242901.1413	752521.3170250766	35.55017491763784	-101.6603489	271414.6647916784	3431213.1842616	3580.881264423575	3399.53310336308	325.082101111785	325.082101111785	315.97198147304987	
196	278	205176	-242241.1413	752521.3170250766	35.550189087490544	-1								

Yr	tc	X.Rn	Y.R	Latitude	Longitude	UTM.X	UTM.Y	SurElev.R	W.L.R	BRIEVLags.Rn	SatTmLags.Rn	SatTmBoth.Rn	
275	275	205256	190101.1461	795271.3170250766	39.551358336858686	-101.4272193	28749.00780288667	33088085.790433908	3327.208096514468	3327.56976672433	3138.799313185674	314.9364780174875	127.60505115549548
276	276	205256	189441.1461	795271.3170250766	39.55137135027074	-101.408800	28770.05041312585	33088071.662845905	3375.940348	3327.805044832735	3138.313990237533	312.4915447295379	125.67087118390646
277	277	205257	188781.1461	795271.3170250766	39.551384300282685	-101.468841	287901.0988114266	33088076.7635735025	3345.5908796164912	3269.027691462273	3136.584027118858	314.6823481537817	122.43643330894152
278	278	205258	188121.1461	795271.3170250766	39.55139730235034	-101.466210	288102.1440025554	33088074.504070873	3383.179251465208	3267.24356738957	3134.764508730304	314.5412121199835	122.37748405307307
279	279	205259	187461.1461	795271.3170250766	39.551410661233074	-101.4636297	288305.18989577045	33088057.45798614	3385.55157642698	3265.45531312973	3134.764508730304	314.5412121199835	122.37748405307307
280	280	205260	186701.1461	795271.3170250766	39.55142350661123	-101.461039	288509.2769994015	33088049.769994015	3387.142329367	3263.45531312973	3134.764508730304	314.5412121199835	122.37748405307307
281	281	205261	186141.1461	795271.3170250766	39.551435643142995	-101.459184	288745.28783284256	33088051.292473182	3400.80196938341	3261.869064682126	3138.457147398347	312.663588313575	121.731943693765
282	282	205262	185481.1461	795271.3170250766	39.55144863142995	-101.456845	288906.326828791	33088057.21	3404.921765736534	3260.086017688417	3129.250776099046	3136.56168850233	120.33039106977414
283	283	205263	184821.1461	795271.3170250766	39.5514610628394	-101.454501	289107.36860475515	33088053.128233185	3407.232380672452	3258.29752036525	3132.26758	126.023349138195	126.0299334191554
284	284	205264	184161.1461	795271.3170250766	39.55147368228394	-101.452169	289369.410780639	33088049.06	3409.90931352687	3256.529720448225	3129.99853849738	314.44000594587	126.5222439468347
285	285	205265	183501.1461	795271.3170250766	39.55148658598061	-101.449827	289639.454240085	33088049.9686246	341265.740471232	3254.75277601976	3131.285107140427	3133.619589287726	125.67087118390646
286	286	205266	182841.1461	795271.3170250766	39.5514996149853	-101.447593	289911.54102676	33088049.9686246	341509.747023396	3252.747023396	3131.285107140427	3133.619589287726	125.67087118390646
287	287	205267	182181.1461	795271.3170250766	39.5515112957313	-101.4451494	289911.54102676	3308803.802327398	341820.931043657	3251.247030150262	3133.619589287726	3133.619589287726	125.67087118390646
288	288	205268	181521.1461	795271.3170250766	39.55152374873232	-101.442810	290121.5845965787	3308802.71451684	3420.78291226288	3249.51067968306	3133.970312515004	3132.906392421462	115.31123954533018
289	289	205269	180861.1461	795271.3170250766	39.55153615479322	-101.440411	290333.6217512206	3308803.64075078	3423.5225226274	3247.785523573594	3132.214044	113.6525283903935	115.31123954533018
290	290	205270	180201.1461	795271.3170250766	39.551548511556874	-101.438139	290514.6710218199	3308804.56028018	3426.2829381717	3246.071620995265	3133.820702395137	3131.432926	112.2091589305576
291	291	205271	179541.1461	795271.3170250766	39.551560831190871	-101.4357927	290715.71219701	33088049.003908	3429.76808759525	3246.34980215148	3133.65478955227	3130.640131949814	110.2991903891908
292	292	205272	178781.1461	795271.3170250766	39.55157369116132	-101.433297	290926.82622	33088049.003908	3432.849446815	3245.45531312973	3133.619589287726	3133.619589287726	110.2991903891908
293	293	205273	178273.1461	795271.3170250766	39.55158533	-101.431144	291117.791	3308803.320129591	3435.91288524428	3245.07046013437	3132.74543568114	3132.25897045658	108.39562035532435
294	294	205274	177561.1461	795271.3170250766	39.55159750661132	-101.428752	291338.839990482	3308802.40519968	3442.01618677258	3238.2821301342624	3131.880493847576	3128.742651137396	107.40716259596018
295	295	205275	176901.1461	795271.3170250766	39.5516096184301	-101.426431	291519.88067007845	3308801.61125858	3445.25442710882	3237.598630553665	3131.471123681398	3128.136770447504	106.71250685722676
296	296	205276	176241.1461	795271.3170250766	39.55162171537104	-101.424099	291720.921	3308800.02	3441.63346241703	3235.917761698517	3130.49812321655	3128.79729474756	106.8679493735026
297	297	205277	175581.1461	795271.3170250766	39.55163837694334	-101.421757	291921.963416261	330879.00300542	3440.012401100593	3234.23885935682	3129.40589621344	3128.79729474756	106.8679493735026
298	298	205278	174821.1461	795271.3170250766	39.5516537940342	-101.419479	292145.782328622	330878.764579392	3439.05167617777	3233.249295277	3128.79729474756	3128.79729474756	106.8679493735026
299	299	205279	174261.1461	795271.3170250766	39.55166963843677	-101.417402	292325.080038557	330878.764579392	3438.056717777	3232.88478125063	3128.79729474756	3128.79729474756	106.8679493735026
300	300	205280	173601.1461	795271.3170250766	39.551686963843677	-101.415201	292506.080038557	330878.764579392	3437.060946	3229.20587281351	3128.79729474756	3128.79729474756	106.8679493735026
301	301	205281	172941.1461	795271.3170250766	39.5516815021941	-101.412401	292726.1264587731	330877.68836307	3436.024655011225	3227.52343365118	3122.3891763968	3122.3891763968	106.8679493735026
302	302	205282	172281.1461	795271.3170250766	39.5516932037027	-101.410016	292927.166710321	330877.611499196	3435.0174647794	3226.85020522729	3122.3891763968	3122.3891763968	106.8679493735026
303	303	205283	171621.1461	795271.3170250766	39.551704914608	-101.407727	293126.206545868	330877.153385191	3434.0329306382	3226.178909342644	3122.3891763968	3122.3891763968	106.8679493735026
304	304	205284	170961.1461	795271.3170250766	39.551716611941	-101.405438	293326.206545868	330877.153385191	3433.04329306382	3225.178909342644	3122.3891763968	3122.3891763968	106.8679493735026
305	305	205285	170301.1461	795271.3170250766	39.551728553317	-101.403043	293530.266245868	330876.73	3431.755483492343	3224.168967955201	3122.3891763968	3122.3891763968	106.8679493735026
306	306	205286	169641.1461	795271.3170250766	39.551740143157344	-101.400751	293731.3257	330875.92225483	3430.65849293086	3223.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
307	307	205287	168981.1461	795271.3170250766	39.5517537578245	-101.398359	293932.366247855	330875.2254252	3430.15797259745	3222.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
308	308	205288	168321.1461	795271.3170250766	39.55176328	-101.396026	294133.4039577638	330875.14889759	3430.15797259745	3221.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
309	309	205289	167661.1461	795271.3170250766	39.5517747854264	-101.393876	294342.4039577638	330875.14889759	3430.15797259745	3220.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
310	310	205290	167001.1461	795271.3170250766	39.551786281941	-101.391741	294549.4039577638	330875.14889759	3430.15797259745	3219.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
311	311	205291	166341.1461	795271.3170250766	39.551797954581824	-101.389492	294764.4039577638	330875.14889759	3430.15797259745	3218.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
312	312	205292	165681.1461	795271.3170250766	39.55180901107275	-101.3867	294984.4039577638	330875.14889759	3430.15797259745	3217.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
313	313	205293	165021.1461	795271.3170250766	39.55182034	-101.384308	295138.5961	330875.14889759	3430.15797259745	3216.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
314	314	205294	164361.1461	795271.3170250766	39.5518316182131	-101.381917	295339.639324523	330875.14889759	3430.15797259745	3215.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
315	315	205295	163701.1461	795271.3170250766	39.5518428056017	-101.379625	295540.6716	330875.14889759	3430.15797259745	3214.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
316	316	205296	163041.1461	795271.3170250766	39.551854007676	-101.377307	295749.639324523	330875.14889759	3430.15797259745	3213.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
317	317	205297	162381.1461	795271.3170250766	39.5518651730912	-101.374941	295942.4039577638	330875.14889759	3430.15797259745	3212.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
318	318	205298	161721.1461	795271.3170250766	39.55187627729264	-101.372639	296143.78320413074	330875.14889759	3430.15797259745	3211.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
319	319	205299	161061.1461	795271.3170250766	39.55188732	-101.370257	296344.82005467265	330875.14889759	3430.15797259745	3210.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
320	320	205300	160401.1461	795271.3170250766	39.55189832784958	-101.367965	296545.86677638	330875.14889759	3430.15797259745	3209.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
321	321	205301	159741.1461	795271.3170250766	39.55190928784958	-101.365613	296746.891035109	330875.14889759	3430.15797259745	3208.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
322	322	205302	159081.1461	795271.3170250766	39.55192028784958	-101.363268	296947.891035109	330875.14889759	3430.15797259745	3207.138603464237	3122.3891763968	3122.3891763968	106.8679493735026
323	323	205303	158421.1461	795271.3170250766	39.55193127272364	-101.360839	297148.963551708	330875.14889759	34				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
402	278	205381	-106941.1413	975217.3170250766	39.5526396714424	-101.77848	312829.1789566947	4380372.981703958	3197.1364522746257	3104.0481035454915	3001.634710605523	3006.885731593956	3016.82339284996826	97.6023718613563
402	278	205382	-106281.1413	975217.3170250766	39.55264697583506	-101.776403	3103.200.1999010805	4380368.925619202	3188.057405570426	3103.073737247083	3002.959103103781	3007.945103708593	3010.1463414330183	95.7342023848772
402	278	205383	-105621.1413	975217.3170250766	39.55265423033779	-101.773616	313281.2296677862	4380364.8697518214	3182.839220424834	3101.853896285664	3004.830271068111	3008.8282073064948	3016.82339284996826	92.9656965611074
402	278	205384	-104961.1413	975217.3170250766	39.55266143965116	-101.7714623	313432.241204373	4380360.814101836	3181.020964258673	3100.228918251043	3007.333027145677	3010.605192103115	3016.82339284996826	89.62362111475295
406	278	205385	-104301.1413	975217.3170250766	39.5526680377279	-101.7691231	313633.2613801016	4380356.78669208	3179.9656033708637	3008.798947294749	3010.46676973086	3013.178642729602	3016.82339284996826	85.6203000178856
406	278	205386	-103641.1413	975217.3170250766	39.5526757227058	-101.7667838	313834.2819	4380352.703	3178.510512375835	3007.364747	3014.547151189063	3016.407090074213	3016.82339284996826	80.893460776641
407	278	205387	-102981.1413	975217.3170250766	39.55268288	-101.764446	314035.3018869574	4380348.64845029	3182.9513568372208	3005.926890894686	3017.45728850697	3018.810515252776	3016.82339284996826	77.11673867382485
407	278	205388	-102321.1413	975217.3170250766	39.5526899502086	-101.7621054	314236.3217383801	4380344.593875457	3183.235521714925	3004.48690910746543	3014.3901643877123	3018.167352619394	3016.82339284996826	70.0984554526014
407	278	205389	-101661.1413	975217.3170250766	39.55269698935684	-101.759761	314457.341408341	4380340.539112254	3183.5178695921745	3003.942286255401	3010.382653256043	3011.045169702242	3016.82339284996826	61.89711469215873
410	278	205390	-101001.1413	975217.3170250766	39.55270374654109	-101.7574293	314638.3608975027	4380336.44763731	3213.800512710304	3001.595642189705	3006.939530847442	3007.407257257903	3016.82339284996826	84.1833748908118
411	278	205391	-100341.1413	975217.3170250766	39.552710639525635	-101.7550876	314839.380047513	4380334.43063731	3220.3699788300504	3001.1670846819	3004.157483156619	3004.504505776817	3016.82339284996826	85.614657
412	278	205392	-99681.1413	975217.3170250766	39.55271748732044	-101.7527484	315040.3993316143	4380328.73672457	3222.270697185734	3008.69597229631	3001.90006125958	3002.121892	3016.82339284996826	86.7950617367315
412	278	205393	-99021.1413	975217.3170250766	39.55272428995486	-101.7504091	315241.418277584	4380324.320302484	3226.08419913657	3007.243847837715	2999.969263777748	3001.110349857534	3016.82339284996826	87.13381285196147
414	278	205394	-98361.1413	975217.3170250766	39.55273104730077	-101.7480699	315442.4370436807	4380316.9559587	3228.941249	3005.790293940129	2998.297166311638	2998.59639130447928	3016.82339284996826	87.24444735722636
414	278	205395	-97701.1413	975217.3170250766	39.55273769566274	-101.7457307	315843.455629269	4380316.21965447	3229.381121259943	3004.372036178052	2996.752748899446	2998.59639130447928	3016.82339284996826	87.4196601126277
416	278	205396	-97041.1413	975217.3170250766	39.55274442060529	-101.7433914	315844.4741346308	4380312.162522885	3227.415776180794	3002.882949610394	2996.33048825263	2996.437200908018	3016.82339284996826	87.5524579403173
417	278	205397	-96381.1413	975217.3170250766	39.552751048451185	-101.7410522	316056.492366042	4380308.1104274485	3225.4446299792244	3001.428091395623	2994.100882667474	2994.40005045817	3016.82339284996826	87.3272087125523
418	278	205398	-95721.1413	975217.3170250766	39.55275762510727	-101.7387129	316246.5104666434	4380304.058	3227.4708430347904	3001.97313162041526	2992.829221856354	2992.876294611034	3016.82339284996826	87.09502136711328
419	278	205399	-95061.1413	975217.3170250766	39.5527641565735	-101.7363737	316447.528273697	4380300.054295445	3227.087145891664	3007.504447983786	2991.400808424624	2991.07326667787	3016.82339284996826	87.0953994132375
420	278	205400	-94401.1413	975217.3170250766	39.552770674284991	-101.7340344	316648.5459613486	4380295.952356465	3221.2766042712987	3001.7026023142978	2991.18456123367534	2990.50440074618	3016.82339284996826	86.79512142001
421	278	205401	-93741.1413	975217.3170250766	39.5527770839640	-101.7316952	316849.563470029	4380291.901306623	3220.466126862004	3007.357364136198	2990.2578654238037	2991.16719925052	3016.82339284996826	86.79512142001
422	278	205402	-93081.1413	975217.3170250766	39.55278347963313	-101.729359	317050.589959236	4380287.85	3219.655612996513	3004.036154208394	2989.4883220450216	2987.9645321363785	3016.82339284996826	86.79512142001
422	278	205403	-92421.1413	975217.3170250766	39.55278989792635	-101.7270167	317265.5897812745	4380283.706804018	3218.954641479284	3002.896239510518	2988.740923600159	2987.9645321363785	3016.82339284996826	86.79512142001
424	278	205404	-91761.1413	975217.3170250766	39.55279613605683	-101.7246774	317452.614924026	4380279.754763439	3215.10269390277	3001.004708922273	2987.744541165304	2987.9645321363785	3016.82339284996826	86.79512142001
425	278	205405	-91101.1413	975217.3170250766	39.552802363836	-101.7223822	317653.6179190524	4380275.69564967	3204.083574181792	3009.475360773825	2986.903524641245	2984.029800775065	3016.82339284996826	86.79512142001
426	278	205406	-90441.1413	975217.3170250766	39.55280861152098	-101.7199989	317855.6483397833	4380271.64779993	3198.016861436756	3007.35749939077	2986.059490750733	2982.411007825481	3016.82339284996826	86.79512142001
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428	278	205408	-89121.1413	975217.3170250766	39.55282096025364	-101.7153204	318265.681	4380263.5439169	3195.68688025579	3004.8270428136198	2984.2138617563023	2978.675497178392	3016.82339284996826	86.79512142001
428	278	205409	-88461.1413	975217.3170250766	39.55282699792635	-101.7129167	318467.6971202167	4380259.67434757	3194.829353700935	3002.896239510518	2987.56892041133	2974.151254562597	3016.82339284996826	86.79512142001
430	278	205410	-87801.1413	975217.3170250766	39.55283300216995	-101.7106124	318685.93201696	4380255.44372984	3193.8554198155	3001.683554198155	2981.7552899449158	2978.675497178392	3016.82339284996826	86.79512142001
431	278	205411	-87141.1413	975217.3170250766	39.55283900357285	-101.7083027	318859.7287584039	4380251.39384665	3192.516900549216	3000.14093418402	2981.005454536304	2977.063487636652	3016.82339284996826	86.79512142001
432	278	205412	-86481.1413	975217.3170250766	39.55284485335465	-101.7059634	319060.744119298	4380243.2411293	3190.528314021096	3008.53814021096	2980.5012042591488	2976.0551621624978	3016.82339284996826	86.79512142001
433	278	205413	-85821.1413	975217.3170250766	39.5528508516201	-101.7036242	319261.7596889436	4380234.29472062	3190.18911920754332	3005.941846156866	2979.2340448120982	2977.063487636652	3016.82339284996826	86.79512142001
434	278	205414	-85161.1413	975217.3170250766	39.55285670779355	-101.7012849	319462.7749	4380239.246	3191.36331356885	3005.361025003173	2978.35420019626	2976.0551621624978	3016.82339284996826	86.79512142001
438	278	205415	-84501.1413	975217.3170250766	39.55286251	-100.989457	319683.7899142859	4380235.19672482	3189.055720810872	3005.73894617173	2976.808467496206	2975.1158334152	3016.82339284996826	86.79512142001
438	278	205416	-83841.1413	975217.3170250766	39.55286821	-100.986904	319864.8047378192	4380221.14850219	3188.057405570426	3005.214072322885	2975.56892041133	2974.151254562597	3016.82339284996826	86.79512142001
437	278	205417	-83181.1413	975217.3170250766	39.552873995491254	-100.984272	320065.8197603717	4380217.096547478	3186.1108969115158	3005.65216671017	2973.712307928647	2972.889207407044	3016.82339284996826	86.79512142001
438	278	205418	-82521.1413	975217.3170250766	39.5528796634407	-100.991279	320266.83336339	4380220.051280695	3184.13361931927	3004.122374022087	2972.1491671140757	2971.627391777276	3016.82339284996826	86.79512142001
439	278	205419	-81861.1413	975217.3170250766	39.55288596021561	-100.989587	320467.8455595377	4380213.002337722	3182.7850751845237	3003.619682726645	2970.820247573443	2969.769451323021	3016.82339284996826	86.79512142001
440	278	205420	-81201.1413	975217.3170250766	39.552890878492676	-100.9872494	320668.8624031663	4380214.95453032	3180.96247233385	3004.1557404604083	2969.6291673148353	2968.960427924246	3016.82339284996826	86.79512142001
441	278	205421	-80541.1413	975217.3170250766	39.552896457179664	-100.9849102	320868.8765753737	4380210.97091014	3179.17416824413	3004.73917999079	2967.68916718928	2967.063487636652	3016.82339284996826	86.79512142001
442	278	205422	-79881.1413	975217.3170250766	39.55290197878534	-100.9825709	321070.890172104	4380206.86039528	3178.358563095001	3004.36737656073	2966.10490622891	2966.041489279808	3016.82339284996826	86.79512142001
442	278	205423	-79221.1413	975217.3170250766	39.55290743978668	-100.980231	321276.916676175	4380202.41166466	3177.438541166466	3003.942286255401	2965.4297470034628	2965.4297470034628	3016.82339284996826	86.79512142001
444	278	205424	-78561.1413	975217.3170250766	39.55291276	-100.9778824	321472.9172455307	4380198.766	3176.37866920762	3003.78216678831	2963.174472402025	2963.174472402025	3016.8233928499	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft	
527	278	205507	-23781.14133	75257.21	730250766	39.5530230953687584	-00.8837333	381566.446165914	4739863.64238047	2995.158324753284	2912.963201250593	2853.4217077053413	2954.5906792491373	59.54149355	58.3723220145814
528	278	205508	-23721.14133	75257.21	730250766	39.55320517110587	-00.881384	338357.4461634371	473969.594578523	2991.1951334	2911.365484188627	2860.13749	2952.34421	61.21700836022264	59.0143844748266
529	278	205509	-23661.14133	75257.21	730250766	39.55320617616361	-00.8856919	339764.4368158654	473985.566935233	2993.54747621337	2903.764526864983	2847.321916782639	2950.150622744119	62.4418171926359	59.65778059
530	278	205510	-23601.14133	75257.21	730250766	39.553208246970435	-00.8761514	338759.44470740967	473951.538094646	2985.6517263244763	2904.291156023953	2850.47670413225	2951.6813714510136	57.7021703306714	57.7021703306714
531	278	205511	-23441.14133	75257.21	730250766	39.55320971711665	-00.8743762	338960.4436426427	473984.510497913	2985.08723821621	2906.6028991488674	2841.437690317841	2848.104185645014	65.16526838102658	58.4988033085304
532	278	205512	-20481.14133	75257.21	730250766	39.55321114207186	-00.8720369	339161.44278525986	473984.462036636	2987.12160062146	2905.038115973384184	2838.50288821176	2839.711973384184	65.326324125890909	58.625324125890909
533	278	205513	-19821.14133	75257.21	730250766	39.55321252183705	-00.8699876	339362.44155035436	473983.945025719	2989.137963	2903.485898766386	2835.731219368707	2837.43564077044	68.5703296793195	60.489526919483
534	278	205514	-19161.14133	75257.21	730250766	39.55321386641111	-00.8673853	339633.4402	473983.424746058	2991.431762582363	2903.071470965447	2834.751857174706	2837.492915989106	67.19597606	67.19597606
535	278	205515	-18501.14133	75257.21	730250766	39.5532151578457	-00.8650191	339764.4368158654	473985.566935233	2993.54747621337	2903.764526864983	2847.321916782639	2950.150622744119	62.4418171926359	59.65778059
536	278	205516	-17841.14133	75257.21	730250766	39.5532163989727	-00.8626798	340058.44372120925	473987.37189574	2995.582402205634	2906.87331569724	2829.81432210312	2831.852399516293	69.0451706	69.0451706
537	278	205517	-17181.14133	75257.21	730250766	39.5532175889827	-00.8603405	340165.4350554596	473982.346379732	2997.95322616325	2897.351763700272	2827.081462574355	2827.081462574355	70.20597142263467	70.20597142263467
538	278	205518	-16521.14133	75257.21	730250766	39.55321874200574	-00.8580012	340367.43304339364	4739819.31970145	2998.1241139034054	2895.82060537532	2823.094628592014	2822.985148162404	71.7277194551797	72.82392172
539	278	205519	-15861.14133	75257.21	730250766	39.55321985142113	-00.855662	340568.43087771937	473980.339003	3000.1653097247398	2890.2770968921277	2820.548129943264	2820.548129943264	73.728669688367	73.5113473941887
540	278	205520	-15201.14133	75257.21	730250766	39.55322091485096	-00.8533227	340769.428956992	473981.2673501	3002.4401716919125	2892.701649179	2818.091273283846	2819.022521204275	74.619347341344	73.6803937837158
541	278	205521	-14541.14133	75257.21	730250766	39.55322195300012	-00.8509834	340970.4268198535	4739807.24128727	3003.2272551364293	2891.112300073448	2815.8376516554385	2817.246806757992	75.7348341810066	74.6330242
542	278	205522	-13881.14133	75257.21	730250766	39.55322296013853	-00.848641	341171.4234528929	4739803.215561172	3004.014334080044	2899.47323432626	2815.66037134178	2816.488149821921	75.8183513	72.9885736143776
543	278	205523	-13221.14133	75257.21	730250766	39.55322383396622	-00.8463409	341372.4206689084	4739799.1904743	3003.60032721219685	2895.805284319014	2812.221650490067	2812.221650490067	75.8593381964965	69.2905308587098
544	278	205524	-12561.14133	75257.21	730250766	39.55322471666318	-00.8439566	341573.4173723366	473978.16741493	3003.694055555113	2886.105372915416	2810.4100461140038	2818.22829166236	75.68632697851355	67.8825439262811
545	278	205525	-11901.14133	75257.21	730250766	39.5532255541367	-00.8416263	341774.41474301973	4739791.14	2999.884864475056	2884.386267632004	2808.651304419132	2818.381959748708	75.73966321298045	66.0063078833546
546	278	205526	-11241.14133	75257.21	730250766	39.55322634642532	-00.839287	341975.41149692135	473978.17189594	2998.075664235634	2882.665657650204	2806.8813167597564	2818.563351980543	75.7843074208081	66.0063078833546
547	278	205527	-10581.14133	75257.21	730250766	39.55322709352007	-00.8369478	342176.40810316184	4739783.09138914	2996.94739732813	2880.7452056852	2806.141530991414	2819.291754420775	75.8060210771677	61.655792650441
548	278	205528	-9851.14137	75257.21	730250766	39.5532277545421	-00.8348085	342377.4085634867	473978.06540048	2996.50095119519	2879.24169349428	2803.300141153326	2819.291754420775	75.8060210771677	61.655792650441
549	278	205529	-9151.14137	75257.21	730250766	39.55322841343116	-00.8325978	342578.4104186854	473978.06540048	2996.50095119519	2879.24169349428	2803.300141153326	2819.291754420775	75.8060210771677	61.655792650441
550	278	205530	-8601.14137	75257.21	730250766	39.5532290365592	-00.8292929	342779.369974815	473977.01748355	2995.60340367534	2875.87480430328	2799.733941012791	2820.015584989895	75.153005051631385	55.88261051361385
551	278	205531	-7941.14137	75257.21	730250766	39.55322962999175	-00.8275906	342980.3929903856	473976.99369701	2994.704099096067	2874.624826157706	2797.9268828285414	2821.1231484860474	75.6394319236459	53.236413030352
552	278	205532	-7281.14137	75257.21	730250766	39.5532305113284	-00.8252514	343181.388831655	473976.99369701	2994.704099096067	2874.624826157706	2797.9268828285414	2821.1231484860474	75.6394319236459	53.236413030352
553	278	205533	-6621.14137	75257.21	730250766	39.553231662083195	-00.8229121	343382.38452166313	473976.99369701	2994.704099096067	2874.624826157706	2797.9268828285414	2821.1231484860474	75.6394319236459	53.236413030352
554	278	205534	-5961.14137	75257.21	730250766	39.553231057842794	-00.8205728	343583.3800595046	473975.93364085	2990.967435443626	2869.491208183925	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
555	278	205535	-5301.14137	75257.21	730250766	39.55323144341166	-00.8182335	343784.3784369043	473975.93364085	2990.967435443626	2869.491208183925	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
556	278	205536	-4641.14137	75257.21	730250766	39.55323178378978	-00.8159478	343985.48126812527	473975.93364085	2990.967435443626	2869.491208183925	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
557	278	205537	-3981.14137	75257.21	730250766	39.553232078977175	-00.813555	344186.365765502	473974.85519395	2985.14017104816	2865.000248	2792.428893330045	2818.492380369764	75.7847433657884	50.99882782701388
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559	278	205539	-2661.14137	75257.21	730250766	39.55323263377973	-00.8088764	344588.3548181797	473974.85519395	2985.14017104816	2865.000248	2792.428893330045	2818.492380369764	75.7847433657884	50.99882782701388
560	278	205540	-2001.14137	75257.21	730250766	39.5532329339487	-00.8065372	344789.3501142897	473973.709	2980.4595968475	2860.785969434575	2793.134779969623	2809.902618110656	75.7847433657884	50.99882782701388
561	278	205541	-1341.14137	75257.21	730250766	39.55323281	-00.8041978	344980.344695802	473972.76723222	2978.56154068195	2859.46454436096	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
562	278	205542	-681.14137	75257.21	730250766	39.553232705259	-00.8018626	345181.392892894	473972.76723222	2978.56154068195	2859.46454436096	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
563	278	205543	-21.14132693	75257.21	730250766	39.55323290105953	-00.7995193	345392.331114389	473971.521163	2978.56154068195	2859.46454436096	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
564	278	205544	638.85867303514	75257.21	730250766	39.553232994811	-00.7971801	345593.321444194	473971.521163	2978.56154068195	2859.46454436096	2792.70373526608	2818.492380369764	75.7847433657884	50.99882782701388
565	278	205545	1298.85867303514	75257.21	730250766	39.5532331360956	-00.7948408	345794.321028041	473970.68338221	2971.239094	2854.411226	2788.324939523067	2804.81173092047	66.062863964706	49.5997528545206
566	278	205546	1988.85867303514	75257.21	730250766	39.5532327028007	-00.7925015	345995.3147625071	473970.68338221	2971.239094	2854.411226	2788.324939523067	2804.81173092047	66.062863964706	49.5997528545206
567	278	205547	2618.85867303514	75257.21	730250766	39.5532334536023	-00.7901622	346196.3083480275	473970.68338221	2971.239094	2854.411226	2788.324939523067	2804.81173092047	66.062863964706	49.5997528545206
568	278	205548	3288.85867303514	75257.21	730250766	39.55323343449444	-00.787823	346397.3017840444	473969.62239638	2962.02689871307	2850.964185403174	2782.409131075977	2801.54212452622	68.55722723	49.021061149504
569	278	205549	3958.85867303514	75257.21	730250766	39.55323343449444	-00.785485	346598.3017840444	473969.62239638	2962.02689871307	2850.964185403174	2782.409131075977	2801.54212452622	68.55722723	49.021061149504
570	278	205550	4598.85867303514	75257.21	730250766	39.5532318040555	-00.7831444	346799.289129535	473969.62239638	2962.02689871307	2850.964185403174	2782.409131075977	2801.54212452622		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
653	275	205633	59378.8586730335	757521.3170250766	39.55305009101116	-100.5889488	363481.22224960674	4739357.701329741	2830.0401534445728	2710.9607714804685	2630.5211688120053	2632.375646079051	40.4396026844124	78.58512540139554
654	278	205634	60038.8586730335	757521.3170250766	39.55304592079716	-100.5884566	36382.2036635474	4739353.	2834.10527700166	2709.180749764947	2629.401794764947	2629.401794764947	78.7840147059587	78.8982326683036
655	278	205635	60489.8586730335	757521.3170250766	39.55304178740278	-100.5884933	36383.1848466312	4739349.68804271	2838.2366478392644	2707.425104744765	2628.70878933224	2628.61015168588	78.815421153171	78.84466330447842
656	278	205636	61358.8586730335	757521.3170250766	39.55303760361804	-100.588196	364084.1660993616	4739346.667265057	2836.4359523711684	2705.696961493905	2627.6414005252034	2627.7885284866943	78.905546801747	77.90843030712053
657	278	205637	62018.8586730335	757521.3170250766	39.55303384742946	-100.5796278	364687.1087750981	4739343.696340597	2836.631363859072	2703.997373808634	2626.5112022016733	2626.229121926411	77.484617161	77.27736088222344
658	278	205638	62678.8586730335	757521.3170250766	39.55303191567746	-100.5772885	364486.12801329116	4739337.63655336	2832.72678615539	2702.32678615539	2625.84380632642	2625.496790472046	76.8298784863347	76.8298784863347
659	278	205639	63338.8586730335	757521.3170250766	39.5530304812165	-100.5749492	364687.1087750981	4739333.696340597	2836.631363859072	2700.6854918422173	2625.487633248615	2625.1268832532573	75.19785869486013	75.556088486013
660	278	205640	63998.8586730335	757521.3170250766	39.55302041917546	-100.57261	364888.089407771	4739329.649583478	2831.092040692457	2699.078329179706	2625.498082	2625.2625329480576	73.75574115836626	73.808297177164854
661	278	205641	64658.8586730335	757521.3170250766	39.553016937338955	-100.5694393	365099.699943612	4739325.9586	2829.401794764947	2697.481142677991	2625.534797342323	2625.679174	71.85634630447842	71.85634630447842
662	278	205642	65318.8586730335	757521.3170250766	39.55301159751215	-100.5673741	365290.050282370	4739321.69494513	2826.95715589457	2696.6887197419	2625.6887197419	2626.342205765592	69.5955451435457	69.5955451435457
663	278	205643	65987.8586730335	757521.3170250766	39.55300709	-100.5655922	365481.903560923	4739316.853821748	2822.940235901193	2694.43118808331	2627.7231132048	2627.505771864785	66.86947566442284	66.85611614345589
664	278	205644	66638.8586730335	757521.3170250766	39.55300525225755	-100.5632529	365692.016048083	4739313.696	2826.08948505805	2692.613583092695	2628.879571722479	2628.879571722479	64.0405510480339	64.0405510480339
665	278	205645	67298.8586730335	757521.3170250766	39.55299797	-100.5609137	365892.99062672036	4739309.69691409	2821.4448426063324	2691.4448426063324	2629.81606548751	2629.81606548751	61.62978111612793	61.62978111612793
666	278	205646	67958.8586730335	757521.3170250766	39.552993360175	-100.5585744	366093.970480387	4739305.69740348	2822.38789399138	2689.9722695864	2630.150253400977	2630.150253400977	59.836688703522	59.836688703522
667	278	205647	68618.8586730335	757521.3170250766	39.55298866052343	-100.5562351	366294.8502	4739301.69883509	2822.38789399138	2688.97183318523	2628.7848323099523	2628.7848323099523	58.7885031	58.7885031
668	278	205648	69278.8586730335	757521.3170250766	39.55298303955485	-100.5538989	366495.0281170556	4739297.703172851	2822.1788428250505	2687.170057193484	2628.010602407374	2628.010602407374	58.25940399521095	58.25940399521095
669	278	205649	69938.8586730335	757521.3170250766	39.55297917339597	-100.5515566	366699.890284662	4739293.702002314	2820.989057339564	2685.786438030484	2627.801690349059	2627.801690349059	57.8847478188953	57.8847478188953
670	278	205650	70598.8586730335	757521.3170250766	39.552974362046854	-100.5492174	366897.888614531	4739299.7030671	2820.8041680347773	2684.61803477737	2626.12302027978	2626.12302027978	56.7555401330295	56.7555401330295
671	278	205651	71258.8586730335	757521.3170250766	39.55296995050705	-100.5468781	367098.867488701	4739295.700992616	2828.62746602786	2683.057400145527	2624.277884	2624.277884	55.7991060961267	55.7991060961267
672	278	205652	71918.8586730335	757521.3170250766	39.552964630777895	-100.5445388	367299.848394234	4739293.7028233	2821.763406702167	2681.706340702167	2621.860184050506	2621.860184050506	54.9046710700805	54.9046710700805
673	278	205653	72578.8586730335	757521.3170250766	39.5529596855651	-100.5421996	367500.8260017289	4739297.71080831	2828.585763766677	2680.3584623995603	2619.74070963814	2619.74070963814	50.9717327761141	50.9717327761141
674	278	205654	73238.8586730335	757521.3170250766	39.5529546474554	-100.5398603	367701.8046371748	4739293.7154254	2825.5417746367	2679.01520147697	2617.6004439639384	2617.6004439639384	45.132061416871	45.132061416871
675	278	205655	73898.8586730335	757521.3170250766	39.5529497744529	-100.5371671	367902.738498684	4739293.7154254	2825.5417746367	2679.01520147697	2617.6004439639384	2617.6004439639384	41.762277657546	41.762277657546
676	278	205656	74558.8586730335	757521.3170250766	39.55294544545405	-100.5351818	368103.1621255256	4739295.71951695	2827.76649865672	2676.3545983957	2613.652279624759	2613.652279624759	38.6284139251616	38.6284139251616
677	278	205657	75218.8586730335	757521.3170250766	39.55294031727415	-100.5328425	368304.7405858451	4739291.72309578	2827.76649865672	2676.006962041232	2612.513554596192	2612.513554596192	36.2649115646192	36.2649115646192
678	278	205658	75878.8586730335	757521.3170250766	39.552934244043296	-100.5305033	368505.718916039	4739297.72662327	2831.43072345896	2673.68105910842	2612.115729	2612.115729	34.615623991312055	34.615623991312055
679	278	205659	76538.8586730335	757521.3170250766	39.5529290364229	-100.5281614	368706.6971	4739293.70430352	2831.43072345896	2672.398914	2612.040690322586	2612.040690322586	32.71912331321264	32.71912331321264
680	278	205660	77198.8586730335	757521.3170250766	39.55292376309113	-100.5258248	368907.8671984557	4739294.734	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	30.6859994	30.6859994
681	278	205661	77858.8586730335	757521.3170250766	39.552918454649806	-100.5231763	369109.6997214523	4739293.7154254	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	28.336858546244084	28.336858546244084
682	278	205662	78518.8586730335	757521.3170250766	39.5529131010183	-100.5211463	369309.9790175	4739293.7154254	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	26.141278453257378	26.141278453257378
683	278	205663	79178.8586730335	757521.3170250766	39.55290772019679	-100.518807	369510.680822229	4739293.747812055	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	24.118474975103	24.118474975103
684	278	205664	79838.8586730335	757521.3170250766	39.55290258185085	-100.5164678	369711.5862594774	4739293.75269484	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	22.1619245258122	22.1619245258122
685	278	205665	80498.8586730335	757521.3170250766	39.55289678883295	-100.5141285	369912.5637129799	4739292.75729256	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	20.190060577952	20.190060577952
686	278	205666	81158.8586730335	757521.3170250766	39.55289123459139	-100.5117892	370113.5401452636	4739292.763105833	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	18.18305435552	18.18305435552
687	278	205667	81818.8586730335	757521.3170250766	39.552885650509405	-100.50945	37034.5182457936	4739292.76883302	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	16.1620019090084	16.1620019090084
688	278	205668	82478.8586730335	757521.3170250766	39.55288003203732	-100.5071107	370549.405829467	4739292.77435747	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	14.143467187827	14.143467187827
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690	278	205670	83798.8586730335	757521.3170250766	39.5528684512303	-100.5024322	37091.4491149633	4739292.7865053	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	10.118474975103	10.118474975103
691	278	205671	84458.8586730335	757521.3170250766	39.5528628	-100.500093	371118.452864167	4739295.79282939	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	8.118474975103	8.118474975103
692	278	205672	85118.8586730335	757521.3170250766	39.5528570924856	-100.4977537	371319.40241017043	4739291.79495173	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	6.118474975103	6.118474975103
693	278	205673	85778.8586730335	757521.3170250766	39.5528512285269	-100.4954515	371520.37873007	4739197.806	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	4.118474975103	4.118474975103
694	278	205674	86438.8586730335	757521.3170250766	39.5528453261398	-100.4930752	371703.813340281	4739193.813340281	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	2.118474975103	2.118474975103
695	278	205675	87098.8586730335	757521.3170250766	39.55283958111725	-100.490736	371894.813340281	4739189.813340281	2829.6220294317	2671.024950324869	2612.3830508414035	2612.3830508414035	0.118474975103	0.118474975103
696	278	205676	87758.8586730335	757521.3170250766	39.552833405219445	-100.4883972	372123.30524701	4739185.805282635	2829.6220294317</					

ix	iy	c	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Ln.	BRfElevKgr.f	BRfElevKgr.f	SatfLogh.f	SatfLogh.f
29	205759	345861.1413	975877.3170250766	39.548481029202135	-102.025261	40060.998863207	4328056.9549079952	381.690075392907	354.490466334476	3530.669988007444	3528.853949644316	63.829461832703146	65.6352656901601	
40	279	205760	345201.1413	975877.3170250766	39.54886466552115	-102.022922	40051.1952049133	4328052.915291376	3803.367510870478	3529.521501750536	3527.9294420027877	63.5740628355022	65.6456607130046	
41	279	205761	344641.1413	975877.3170250766	39.5488629670499	-102.020681	40046.2961167837	4328046.838392123	3796.045012327765	3502.861841852501	3526.8522496861675	63.5740628355022	65.6456607130046	
42	279	205762	343881.1413	975877.3170250766	39.54891186557599	-102.018241	40063.3917083032	4328044.54883181	3782.724026115192	3590.89604375043	3526.203662574045	63.5740628355022	65.6456607130046	
43	279	205763	343221.1413	975877.3170250766	39.54893538746776	-102.0159052	40084.49847684727	4328040.413954546	3782.972421261115	3589.680837802161	3524.4434996604273	63.5740628355022	65.6456607130046	
44	279	205764	342561.1413	975877.3170250766	39.548958860479395	-102.0135663	41055.5981057422	4328037.29296213	3778.794958087135	3568.500749006551	3522.695293848241	63.5740628355022	65.6456607130046	
45	279	205765	341901.1413	975877.3170250766	39.548922955817001	-102.012273	41215.69619416994	4328032.144858173	3774.61744038997	3587.3291865281771	3521.245724593755	63.5740628355022	65.6456607130046	
46	279	205766	341241.1413	975877.3170250766	39.5490058176201	-102.008884	414147.7962253207	4328028.106104417	3770.43395	3586.165727606405	3520.20818893491	63.5740628355022	65.6456607130046	
47	279	205767	340581.1413	975877.3170250766	39.549049618571536	-102.006944	41659.8945611536	4328023.67864227	3765.754618003274	3583.9608935128625	3519.508700119106	63.5740628355022	65.6456607130046	
48	279	205768	339921.1413	975877.3170250766	39.54905231672344	-102.0042105	41859.992119229	4328019.72465734	3760.5538620185	3583.9608935128625	3519.250478184218	63.5740628355022	65.6456607130046	
49	279	205769	339261.1413	975877.3170250766	39.5490755694332	-102.0018715	42061.0909275857	4328015.90387955	3755.372515036201	3582.713634570247824	3519.10242091017	63.5740628355022	65.6456607130046	
50	279	205770	338601.1413	975877.3170250766	39.54909874956376	-101.9995326	42262.1887787314	4328011.475972113	3751.1041864217	3581.58110275585	3517.61651090219	63.5740628355022	65.6456607130046	
51	279	205771	337941.1413	975877.3170250766	39.54912193531264	-101.9971396	42463.286323508	4328007.34255681	3747.225028118705	3580.481677856297	3514.7834439516096	63.5740628355022	65.6456607130046	
52	279	205772	337281.1413	975877.3170250766	39.54914505041414	-101.9948457	42664.3836250174	4328003.2999494	3746.4997399664	3579.812705052923	3511.581427584866	63.5740628355022	65.6456607130046	
53	279	205773	336621.1413	975877.3170250766	39.549168120469595	-101.9925157	42865.4805693823	4327999.07283541	3743.776419643828	3578.189905126178	3508.476651126178	63.5740628355022	65.6456607130046	
54	279	205774	335961.1413	975877.3170250766	39.549191145277026	-101.9901768	43066.57452522093	4327994.38194	3745.0528651615028	3577.061281280734	3505.5140651891668	63.5740628355022	65.6456607130046	
55	279	205775	335301.1413	975877.3170250766	39.549214124004154	-101.9878378	43267.6739843763	4327990.813	3746.451808442143	3575.9028922264	3502.919126529655	63.5740628355022	65.6456607130046	
56	279	205776	334641.1413	975877.3170250766	39.54923793505425	-101.9854988	43468.7706229387	4327986.680577039	3745.052865221364	3574.204473192213	3506.435815255993	63.5740628355022	65.6456607130046	
57	279	205777	333981.1413	975877.3170250766	39.54925994861702	-101.9831599	43669.8662829698	4327982.54871861	3743.776419643828	3573.650910591561	3498.62495843562	63.5740628355022	65.6456607130046	
58	279	205778	333321.1413	975877.3170250766	39.5492879271508	-101.9808209	43870.9620565855	4327978.417207089	3741.0534466220456	3572.496143791139	3496.6312178531105	63.5740628355022	65.6456607130046	
59	279	205779	332661.1413	975877.3170250766	39.5493059160457	-101.9784819	44072.0757336557	4327974.28562408	3738.07673983566	3571.324158	3494.66780863716	63.5740628355022	65.6456607130046	
60	279	205780	332001.1413	975877.3170250766	39.5493283453262	-101.976143	44273.1523636907	4327970.15477916	3736.557487459592	3567.129637941436	3492.679167574559	63.5740628355022	65.6456607130046	
61	279	205781	331341.1413	975877.3170250766	39.5493492338976	-101.973871	44478.60474227	4327966.37864227	3734.14257967801	3560.2421093232	3491.74907370308	63.5740628355022	65.6456607130046	
62	279	205782	330681.1413	975877.3170250766	39.549373172730953	-101.971465	44675.34260471957	4327961.83109467	3733.5983453420625	3557.251464816166	3488.875407949222	63.5740628355022	65.6456607130046	
63	279	205783	330021.1413	975877.3170250766	39.54939634	-101.9691261	44876.4731092875	4327957.76253435	3732.054955954027	3556.37290976857	3487.0311225796204	63.5740628355022	65.6456607130046	
64	279	205784	329361.1413	975877.3170250766	39.549418908410246	-101.9667871	45077.53136185973	4327953.632	3730.575756081484	3555.033096412846	3485.15719779194	63.5740628355022	65.6456607130046	
65	279	205785	328701.1413	975877.3170250766	39.54943817059644	-101.9644481	45278.6253619176	4327949.502	3728.0683409707036	3553.4840561	3511.5500200114136	63.5740628355022	65.6456607130046	
66	279	205786	328041.1413	975877.3170250766	39.54946391886523	-101.9621092	45459.7191919133	4327945.3234504	3726.581359415436	3552.30387059219	3481.780162820387	63.5740628355022	65.6456607130046	
67	279	205787	327381.1413	975877.3170250766	39.549486356320976	-101.9597792	45694.816260049	4327941.1249689	3725.14257967801	3550.2842109323	3480.67905561071	63.5740628355022	65.6456607130046	
68	279	205788	326721.1413	975877.3170250766	39.5495077	-101.9574123	45891.713367977	4327937.303694909	3723.42309490907	3549.47303694593	3479.160334581537	63.5740628355022	65.6456607130046	
69	279	205789	326061.1413	975877.3170250766	39.54953105688764	-101.9550922	46082.99884356224	4327933.86414753	3725.985225073462	3547.965360546901573	3478.86227393747	63.5740628355022	65.6456607130046	
70	279	205790	325401.1413	975877.3170250766	39.54955339760075	-101.9527532	46284.0915853398	4327928.85447187	3724.647413203962	3546.64113536578	3478.977904327623	63.5740628355022	65.6456607130046	
71	279	205791	324741.1413	975877.3170250766	39.54957565433137	-101.9504143	46485.18407611232	4327924.7688484	3720.859458428993	3545.9403056794945	3472.4713911540784	63.5740628355022	65.6456607130046	
72	279	205792	324081.1413	975877.3170250766	39.54959786806814	-101.9480753	46686.27631604052	4327920.58270653	3725.620543282058	3543.40190109955	3465.618289582824	63.5740628355022	65.6456607130046	
73	279	205793	323421.1413	975877.3170250766	39.54962003224842	-101.9457363	46887.38853034722	4327916.470033525	3724.391906256738	3541.5485152831518	3464.10717796912	63.5740628355022	65.6456607130046	
74	279	205794	322761.1413	975877.3170250766	39.54964215345475	-101.943378	47098.4601441955	4327912.31742489	3725.14257967801	3540.2842109323	3462.879053302419	63.5740628355022	65.6456607130046	
75	279	205795	322101.1413	975877.3170250766	39.5496642294565	-101.9410653	47289.5516387427	4327908.214	3723.49119581987	3548.71748872182	3442.64545886472	63.5740628355022	65.6456607130046	
76	279	205796	321441.1413	975877.3170250766	39.5496862027379	-101.9387193	47490.64287154705	4327904.08653074	3721.426918704516	3547.133242436214	3442.288793304143	63.5740628355022	65.6456607130046	
77	279	205797	320781.1413	975877.3170250766	39.54970284591542	-101.9363803	47691.733608421	4327899.59111312	3720.36228808516	3545.55108061103	3442.094307266324	63.5740628355022	65.6456607130046	
78	279	205798	320121.1413	975877.3170250766	39.54973018637544	-101.9340413	47892.8245997051	4327895.83139885	3719.677965229453	3543.9677965229453	3441.327146153277	63.5740628355022	65.6456607130046	
79	279	205799	319461.1413	975877.3170250766	39.5497581265372	-101.9317023	48093.9158959692	4327891.70486704	3726.40390375259	3541.1839724408075	3440.589788585086	63.5740628355022	65.6456607130046	
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81	279	205801	318141.1413	975877.3170250766	39.54979461703016	-101.927084	48496.4601441955	4327884.1424281	3725.14257967801	3540.2842109323	3439.184142498906	63.5740628355022	65.6456607130046	
82	279	205802	317481.1413	975877.3170250766	39.5498173950161	-101.9248584	48697.1850503101	4327880.735454173	3723.49119581987	3548.71748872182	3442.64545886472	63.5740628355022	65.6456607130046	
83	279	205803	316821.1413	975877.3170250766	39.54983921	-101.9223464	48888.2745594224	4327875.19937789	3726.909455110934	3536.136778464386	3437.447547400692	63.5740628355022	65.6456607130046	
84	279	205804	316161.1413	975877.3170250766	39.5498680831855	-101.9200074	49099.363054964	4327870.5325861	3725.339661507604	3534.598646748727	3436.071437704605	63.5740628355022	65.6456607130046	
85	279	205805	315501.1413	975877.3170250766	39.5498924505895	-101.9176684	49300.5425363307	4327866.947893752	3720.24113320767	3533.080977466327	3434.32526969639	63.5740628355022	65.6456607130046	
86	279	205806	314841.1413	975877.3170250766	39.5499048351126	-101.9153294	49501.5155336347	4327862.4821648	3716.1466551324076	3531.5457304513607	3432.310030158644	63.5740628355022	65.6456607130046	
87	279	205												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen-ft	W.Ln	BRIEveBothKrg-ft	SatHtBothKrg-ft	SatHtBoth-ft	
165	279	205885	-262701.1413	975877.3170250766	39.55146605	-101.730544	265386.78077769315	4315357.609951567	1366.1064261549704	34.035473269705063	3306.6206612172224	3313.259430340501	173.73366575878388	171.73148926060511
166	279	205886	-262004.1413	975877.3170250766	39.55146401082884	-101.7282409	265947.865697211	4315353.501680313	3614.711834887773	3429.24105981778103	3305.4135967115666	3311.5578857719396	132.6266636024368	117.6851404084747
167	279	205887	-261381.1413	975877.3170250766	39.55160945896264	-101.7258458	265786.92601949284	4315354.394064444	3333.6379171670107	3427.8051427042637	3303.66712810312	3314.2252326992734	132.2252326992734	118.51101688343932
168	279	205888	-260721.1413	975877.3170250766	39.5515198031391	-101.7232606	265989.9951302154	4315352.966679612	3611.086617	3426.5663977916933	3301.936311330893	3310.4309678096293	132.4030966408007	118.51101688343932
169	279	205889	-260061.1413	975877.3170250766	39.551576362678766	-101.7211875	266191.06401909434	4315351.179490917	3608.133317826296	3425.2250733383357	3300.097821626626	3306.5173906612106	125.12725115270979	118.707427804412
170	279	205890	-259401.1413	975877.3170250766	39.55155541625844	-101.7188484	266392.1326773338	4315350.752323242	3607.184017193408	3423.8819795153636	3298.1403015360725	3304.368668114108	125.7416779292113	118.51101688343932
171	279	205891	-258741.1413	975877.3170250766	39.55157315465298	-101.7165093	266593.2011051447	4315349.7659794956	3604.3559267381656	3422.338623226397	3296.1471420327973	3301.052181528445	125.7416779292113	118.51101688343932
172	279	205892	-258081.1413	975877.3170250766	39.551590048766223	-101.7141702	266794.2693027279	4315348.925629404	3600.651496294064	3421.1987692623079	3294.413560568844	3297.8065254521473	126.7852045624328	126.7852045624328
173	279	205893	-257421.1413	975877.3170250766	39.55160945896264	-101.7118151	266995.9327026919	4315347.752676505	3598.9461648955748	3419.869346609865	3290.2274738899175	3294.6461458113917	125.8187270290898	125.8187270290898
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208	279	205928	-234321.1413	975877.3170250766	39.552197797613	-101.6299164	274032.57292219475	4315309.3817053632	3530.7727746597					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
291	279	206011	-175941.1413	975877.3170250766	39.553373708202066	-01.4358088	29197.80061240663	4381021.747709999	3426.380366745626	3423.650188898759	3133.788690800443	3131.0506069452977	108.8664909883164	112.5993240438181
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303	279	206023	-171621.1413	975877.3170250766	39.55351797486144	-01.4077378	293132.2918465056	4380972.791545635	3421.12508697844	3223.476218158659	3113.5467167829056	3113.274422890425163	108.92968611715585	106.289291168255
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324	279	206044	-157761.1413	975877.3170250766	39.55375478315559	-01.3586137	297354.0541971003	4380902.181501272	3377.738078181502	3196.105982671718	3096.5937015574946	3087.712537398976	108.86910508067451	101.7393468872724
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326	279	206046	-156441.1413	975877.3170250766	39.5537763736712	-01.3539353	297756.1520677718	4380890.70849425	3375.91805012716	3194.046091021716	3094.64091021716	3092.41168513295	108.86910508067451	101.29035566266
327	279	206047	-155781.1413	975877.3170250766	39.55378765570306	-01.3516599	297957.1870189861	4380894.99632942	3374.98385550222	3192.91549514648	3093.70511221407	3092.69829191607	108.86910508067451	101.0657892633212
328	279	206048	-155121.1413	975877.3170250766	39.55379843046081	-01.3492567	298158.2219031302	4380890.92350339	3373.74275291516	3191.38518339406	3092.0236969019	3091.759821299613	108.86910508067451	100.83943196447
329	279	206049	-154461.1413	975877.3170250766	39.55380822923414	-01.3469174	298359.256509374	4380886.851779613	3372.60585902029	3189.31563413892	3088.08597442383	3087.048651582493	108.86910508067451	100.6129737320629
330	279	206050	-153801.1413	975877.3170250766	39.5538187219649	-01.3445782	298560.2901792414	4380882.79827015	3371.3071486802	3188.910736	3086.95403325004	3087.048651582493	108.86910508067451	100.39075639124
331	279	206051	-153141.1413	975877.3170250766	39.55382929118523	-01.3422898	298761.352289189	4380878.780090623	3370.088914267265	3187.64608301018	3086.644782138223	3086.039123772946	108.86910508067451	100.16401821139528
332	279	206052	-152481.1413	975877.3170250766	39.55383954751915	-01.3399897	298964.3592477001	4380884.63563436	3368.767052437504	3186.364118762802	3086.147384193007	3085.418179807814	108.86910508067451	100.69031694777145
333	279	206053	-151821.1413	975877.3170250766	39.55384979857236	-01.337691	299165.4784851451	4380880.3748451451	3367.837684581451	3185.4784581451	3085.2484581451	3084.3784581451	108.86910508067451	100.46910508067451
334	279	206054	-151161.1413	975877.3170250766	39.55386054517915	-01.3352211	299362.46676792389	4380879.494196276	3366.841470116215	3184.723494471514	3084.07109			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVELogKg.f	BREVELogKg.f	SurfElevLogKg.f	SurfElevLogKg.f
417	279	10317	-96381.14133	97587.712025076	39.55465636960927	-10.1410607	161048.5514	4380509.3541796785	321.64105787602743	3980.9608774971977	2992.7202479175735	2993.0152499931705	38.2640383034424	87.9654737
418	279	10318	-96721.14133	97587.712025076	39.55457053289448	-10.1387214	161250.5997794579	4380505.011943371	321.6722895261363	3979.5332044272022	2991.598054780306	2991.598054780306	37.93469994241422	87.9357961032967
419	279	10319	-96818.14133	97587.712025076	39.55461728452968	-10.1363821	161651.5869175217	4380501.971963114	321.6877063183116	3978.0774476229291	2991.218076765345	2991.218076765345	36.5588091678955	87.70993768149043
420	279	10320	-96940.14133	97587.712025076	39.554583505971884	-10.1340228	161662.6047793149	4380497.1564979715	321.6902264797361	3976.095802854975	2990.143032749077	2990.143032749077	36.4545503379045	87.4723134563742
421	279	10321	-93741.14133	97587.712025076	39.55458999224257	-10.1317035	161683.6125562573	4380493.144324264	321.61871739	3975.131815891975	2989.200686112346	2989.200686112346	35.8312977962755	87.2034351496887
422	279	10322	-93041.14133	97587.712025076	39.5545638282521	-10.1293642	161705.6385773373	4380489.2462273385	321.6432131284196	3973.642628350976	2988.4646673762063	2988.4646673762063	35.1776608589131	87.1384694124108
423	279	10323	-92621.14133	97587.712025076	39.55460273915535	-10.1270249	161725.6556	4380485.400729152	321.6428307898662	3972.1442835208359	2987.6179774284353	2987.6179774284353	34.5263079855951	86.8810323
424	279	10324	-91761.14133	97587.712025076	39.55460094843442	-10.1248855	161745.67322415685	4380480.369284372	320.67979832362	3970.6382647693113	2986.4952415696794	2986.4952415696794	34.1430322	86.7651823
425	279	10325	-91101.14133	97587.712025076	39.55461530532241	-10.1223463	161765.6889922651	4380476.378946498	320.6953368960114	3969.12289732295	2985.6716112293952	2985.6716112293952	33.8923918474604513	86.70993768149043
426	279	10326	-90441.14133	97587.712025076	39.554621520619335	-10.1200093	161788.707525374	4380472.8869389	320.7120994	3967.598114401397	2984.8505909304477	2984.8505909304477	33.68967674553	87.3994713444449
427	279	10327	-89781.14133	97587.712025076	39.55462769072515	-10.1176766	161809.714887544	4380468.386110389	319.07692500404	3966.063815843410	2983.8100341007407	2983.8100341007407	33.22337816525739	87.4343242576993
428	279	10328	-89121.14133	97587.712025076	39.55463382	-10.1153283	161820.7312516248	4380464.7854914	319.8763116099076	3964.520423788814	2982.955543746894	2982.955543746894	32.81563941412438	86.1846886408666
429	279	10329	-88461.14133	97587.712025076	39.5546339853632	-10.112899	161861.7533771736	4380461.35105285	320.01526382147	3962.9684418319416	2982.0747546397174	2982.0747546397174	31.89398719	86.3204713534782
430	279	10330	-87801.14133	97587.712025076	39.5546452989603	-10.1106497	161862.7699055005	4380456.684928778	320.34914428205923	3961.4097364823274	2981.1578323642374	2981.1578323642374	30.2519041180889	86.9137713338102
431	279	10331	-87141.14133	97587.712025076	39.55465191923738	-10.1083104	161883.78455712745	4380452.634969615	320.64582348927643	3959.848153849812	2980.199644586881	2980.199644586881	29.7436720683927	86.510951765407
432	279	10332	-86461.14133	97587.712025076	39.55465783387804	-10.1059711	161904.79898194397	4380448.585237799	319.815017784305136	3958.2851004403333	2979.1039147830485	2979.1039147830485	29.7502855359084	86.1692214904487
433	279	10333	-85821.14133	97587.712025076	39.55466378234665	-10.1036318	161925.810302629	4380444.536	319.4230231968181	3957.2220568918	2978.464757789875	2978.464757789875	28.7557821108306	80.8413993155126
434	279	10334	-85161.14133	97587.712025076	39.55466961614545	-10.1012925	161946.8300022885	4380440.48639511	318.2843855054746	3955.16293619593	2977.4674092109121	2977.4674092109121	28.7511985619611	80.4252740047173
435	279	10335	-84501.14133	97587.712025076	39.55467542469125	-10.0989531	161967.847982258	4380436.37338336	318.2635179902157	3953.6056375805858	2975.971248018274	2975.971248018274	27.63438956231266	79.59038394587454
436	279	10336	-83841.14133	97587.712025076	39.55468118807614	-10.0966138	161988.8594182013	4380427.404343769	318.2557914213925	3952.0576712849233	2974.652936	2974.652936	27.3253059433545	79.1217504463813
437	279	10337	-83181.14133	97587.712025076	39.55468696072146	-10.0942745	162009.873	4380428.33778534	318.24314085234	3950.5214527516405	2973.63839635215	2973.63839635215	27.1569134064344	78.7581983842555
438	279	10338	-82521.14133	97587.712025076	39.5546957274146	-10.0919352	162020.88813157124	4380424.291	318.2368288263675	3949.0675897628	2972.12020545043	2972.12020545043	27.004792476496	78.7298119379296
439	279	10339	-81861.14133	97587.712025076	39.5547262523384	-10.0891469	162035.065971126	4380420.243119831	318.2401125962972	3947.40792	2970.9414827153127	2970.9414827153127	26.854513517051	78.534190714106
440	279	10340	-81201.14133	97587.712025076	39.55470397106536	-10.0872556	162072.9161438023	4380416.19156343	318.251441195543	3946.0783414688	2969.3535677901283	2969.3535677901283	26.7209298345578	78.384543707847
441	279	10341	-80541.14133	97587.712025076	39.55470792713604	-10.0849173	162087.92888737	4380412.11733428	318.267802330345	3944.665804793935	2968.90422870891	2968.90422870891	26.6150729318876	78.10701874
442	279	10342	-79881.14133	97587.712025076	39.55471481937414	-10.082578	162107.943456223	4380408.09761566	318.289404264633	3943.30137130258	2967.424882	2967.424882	26.5082001205484	77.8763471947371
443	279	10343	-79221.14133	97587.712025076	39.5547206642103	-10.0802387	162125.95685126673	4380404.05240992	318.318156602974	3941.88156902781	2966.1131303710258	2966.1131303710258	26.407772230473	78.207248688472
444	279	10344	-78561.14133	97587.712025076	39.55472568276905	-10.0778983	162146.970716749	4380400.50257594	318.2840037476634	3940.705841042864	2964.748020098574	2964.748020098574	26.3996004497462	77.968039390391
445	279	10345	-77901.14133	97587.712025076	39.55473104894887	-10.07556	162167.91048948	4380396.18585502	318.2817452277982	3939.47092	2964.462630166734	2964.462630166734	26.39056846646	77.8365388461529
446	279	10346	-77241.14133	97587.712025076	39.554736324176375	-10.0732027	162178.959909029	4380391.916558153	319.4588777676714	3938.200481407803	2963.9445329094477	2963.9445329094477	26.3891817218112	77.5844974712373
447	279	10347	-76581.14133	97587.712025076	39.5547410269554	-10.0708814	162200.008654125	4380387.865175864	319.118950808796	3937.09470309828	2962.9894312395217	2962.9894312395217	26.3845393570962	77.485403707847
448	279	10348	-75921.14133	97587.712025076	39.55474682378591	-10.0684241	162221.021520624	4380383.818910385	319.062332909409	3935.830801009443	2962.269421919561	2962.269421919561	26.37621661301464	77.3614817979797
449	279	10349	-75261.14133	97587.712025076	39.5547519996848	-10.0662028	162242.033673762	4380379.77262104	319.0327915	3934.792295519976	2961.585459	2961.585459	26.369332570574	77.2465754037152
450	279	10350	-74601.14133	97587.712025076	39.55475713092616	-10.0636364	162263.04746695	4380375.727031016	319.0319670560305	3933.6326741791924	2960.969740851254	2960.969740851254	26.3554116615887	77.1121011338521
451	279	10351	-73941.14133	97587.712025076	39.55476221959885	-10.0615241	162284.0573520623	4380371.88417112	319.03999221452817	3932.517193702553	2960.5320719140876	2960.5320719140876	26.34659680118986	77.1964736816793
452	279	10352	-73281.14133	97587.712025076	39.5547672523384	-10.0591469	162305.065971126	4380367.380230385	319.0401125962972	3931.378125962972	2959.9414827153127	2959.9414827153127	26.34054513517051	77.079819714106
453	279	10353	-72621.14133	97587.712025076	39.554772251367545	-10.0568455	162326.0612486737	4380363.590062407	319.0380983620076	3930.2334072007065	2958.912717396197	2958.912717396197	26.3350267929634	77.04119882108973
454	279	10354	-71961.14133	97587.712025076	39.5547770130979	-10.0545062	162347.0297380371	4380359.545874826	319.041219650133	3929.048026185901	2958.23057046041	2958.23057046041	26.33080066	77.018716914
455	279	10355	-71301.14133	97587.712025076	39.5547821060603	-10.0521669	162368.104055428	4380355.30113765	319.0471705267829	3928.70343383635	2957.269421919561	2957.269421919561	26.3248020073462	77.0032121140691
456	279	10356	-70641.14133	97587.712025076	39.55478696562006	-10.0498275	162389.1152	4380351.45296098	319.0821918782403	3926.2347829678155	2947.00315080919	2947.00315080919	26.320679859661	77.3522480352917
457	279	10357	-69981.14133	97587.712025076	39.55479177988115	-10.0474882	162400.1261751109	4380347.41294006	319.064166021601	3924.7298136321124	2946.730458249327	2946.730458249327	26.3159253207373	77.99936078917972
458	279	10358	-69321.14133	97587.712025076	39.55479654917492	-10.0451489	162421.1369771819	4380343.28002247	319.0519440295962	3923.618089384275	2944.599653076747	2944.599653076747	26.3118736362545	77.80880471814651
459	279	10359	-68661.14133	97587.712025076	39.55480195194599	-10.0428014	162443.1161690257	4380339.3606618875	319.0568556276847	3922.1059477047314	2943.149546744339	2943.149546744339	26.308497374166	77.6884250832032
460	279	10360	-68001.14133	97587.712025076	39.5548058548827	-10.0403131	162464.1859477353	4380331.237	319.0689043186935	3921.0471966078258	2942.600120504663	2942.600120504663	26.307493317	77.6603013164692
461	279	10361	-67341.14133	97587.712025076	39.5548117395912	-10.0375196	162485.1785971113	4380327.13939342	319.0505816500408	3917.15013923679	2939.842135907658	2939.842135907658		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatBtElevKgr.ft	SatBtElevKgr.ft	
539	279	206263	-13221.14313	975877	31.70250766	39.5550367372626	-100.846306	341376.450903877	4380000.413	3001.36759382892	2686.5099964100068	2813.535431137256	2819.1792925264003	27.97433827275058	67.33076788360643
544	279	206264	-12961.141413	975877	31.70250766	39.5550373564268	-100.843967	341577.4473662395	4379996.38747	2996.700741	2884.7986534035353	2812.010718667147	2818.80292428473915	27.7881347178833	65.9993055614378
545	279	206265	-11901.14133	975877	31.70250766	39.55504387296045	-100.846174	3417.78444	4379962.36223321	2996.630896338908	2883.526832782642	2810.5881576813916	2818.84014269354	27.49110081851632	64.23611551697378
546	279	206266	-11241.14133	975877	31.70250766	39.5550392662632	-100.839288	341979.440494313	4379983.37213764	2981.366703710377	2880.3743681713318	2809.3743681713318	2815.925990586539	27.19567819618956	62.995916918956
547	279	206267	-10581.14133	975877	31.70250766	39.55504001	-100.8369487	342180.374251966	4379984.312	2965.720200454432	2879.63116	2808.111432390788	2818.68885291736	27.51201687727145	60.9422748246114
548	279	206268	-9921.141137	975877	31.70250766	39.55504071530234	-100.8346094	342381.433681152	4379980.28723352	2967.923876619076	2886.774325574605	2806.774325574605	2818.43352876025	27.14955112444704	59.49061384845114
549	279	206269	-9261.141327	975877	31.70250766	39.5550413730232	-100.83227	342582.4297189337	4379976.2634526845	2966.511599376054	2876.246816973504	2805.520575	2818.391596551637	27.70140642137322	57.84308512328955
550	279	206270	-8601.141137	975877	31.70250766	39.55504196357081	-100.8299307	342783.4256323714	4379972.23929382	2960.923796377504	2874.567881167722	2804.157147438875	2817.633405111116	27.4017066833647	56.9324106
551	279	206271	-7941.141327	975877	31.70250766	39.55504255	-100.827918	342984.4214018516	4379969.21536777	2968.3333712211816	2883.26832782642	2802.2685142149126	2818.308476985934	27.606027197	55.95765321978947
552	279	206272	-7281.141137	975877	31.70250766	39.55504370176164	-100.825252	343185.4170154033	4379964.19136722	2949.804054578417	2871.374744442756	2799.837035620759	2817.52526217907	27.14763892	53.6874022236664
553	279	206273	-6621.141137	975877	31.70250766	39.55504354703425	-100.8229127	343386.41427121645	4379961.18813383	2948.35377938351	2869.7005303850524	2797.622010776752	2819.428372788584	27.10851957003006	50.302172631194026
554	279	206274	-5961.141137	975877	31.70250766	39.55504377804935	-100.820573	343587.407	4379956.144844359	2947.755021927226	2868.1768099091868	2795.9146958142934	2817.633023218038	27.26293129735717	54.1753458738079
555	279	206275	-5301.141137	975877	31.70250766	39.55504433833715	-100.818234	343788.4029461309	4379952.12717635	2989.975941580409	2866.6579886247194	2794.9098745623888	2811.6910312012612	27.17501405503063	54.96638549715817
556	279	206276	-4641.141137	975877	31.70250766	39.55504470377061	-100.8158947	343989.397536844	4379948.098912059	2987.967289970125	2865.19147925474	2794.5654095934774	2817.63303038353	27.60373831199674	54.85051787120986
557	279	206277	-3981.141137	975877	31.70250766	39.55504498995659	-100.8135553	344190.3928102413	4379944.07250966	2985.958960013975	2863.712695660677	2794.633730886437	2809.744280400661	27.69788447422684	53.93826765000261
558	279	206278	-3321.141137	975877	31.70250766	39.5550454898965	-100.811216	344391.3875160094	4379940.504	2983.950013228935	2862.289143048975	2794.6127884032353	2809.1875021844266	27.67631505	53.10167126454684
559	279	206279	-2661.141137	975877	31.70250766	39.55504545377984	-100.8088677	344592.38207112067	4379936.01346903	2982.554830258667	2860.898728597567	2794.4571922174287	2808.3348081781	27.641153762	52.51835097409462
560	279	206280	-2001.141137	975877	31.70250766	39.55504561	-100.805373	344793.3764799843	4379922.009652265	2981.7731070758623	2859.541830777783	2793.9242863131415	2806.42958575872	27.6515444464166	51.31174901191
561	279	206281	-1341.141137	975877	31.70250766	39.55504572786244	-100.804198	344994.3703603024	4379927.986771379	2980.98139602175	2858.2186502765553	2793.3424077133245	2806.74341193232	27.64575256323079	51.47512908420322
562	279	206282	-681.1413269	975877	31.70250766	39.55504579061936	-100.8018587	345195.3648329636	4379923.963181334	2980.230960728425	2856.92917367384	2792.523240474834	2805.608855	27.64087689255017	51.32026218303945
563	279	206283	-11.14132693	975877	31.70250766	39.55504582105494	-100.7995193	345396.389790179	4379919.5485977235	2978.579118640513	2855.674674013785	2791.438093787853	2803.09509699424	27.62365802149978	52.64516413406954
564	279	206284	638.856730733514	975877	31.70250766	39.5550459959714	-100.79718	345597.3526	4379915.93443537	2969.059737633933	2845.45253651624	2790.592567782116	2803.293598957053	27.6439077765078	50.5049146045709
565	279	206285	1678.858673073351	975877	31.70250766	39.55504638916885	-100.794407	345794.2655154167	4379911.902937702	2968.033889638925	2843.26523033848	2790.592567782116	2803.293598957053	27.6439077765078	49.82698647591
566	279	206286	1958.8586730733514	975877	31.70250766	39.55504522084705	-100.7925013	345999.339758304	4379907.882245037	2967.1141053590297	2852.119671176656	2786.2610116712167	2801.40471671071	27.65855935044894	50.7122047498841
567	279	206287	2618.8586730733514	975877	31.70250766	39.55504545363064	-100.790162	346200.3311503923	4379903.86176439	2968.51316076191	2850.9965148023572	2784.411050393937	2799.950230332787	27.6854623862159	51.0442854469753
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570	279	206290	4598.858673073351	975877	31.70250766	39.5550442036996	-100.783144	346803.312296818	4379891.801631251	2967.1878163113	2847.817195689623	2778.73639646177	2785.93240244344	27.68007970278543	61.89391564127894
571	279	206291	5258.858673073351	975877	31.70250766	39.5550438954533	-100.7808607	347004.305026736	4379887.782018198	2966.547818891515	2846.814712746815	2779.7420047087968	2782.419203531376	27.6937183874	62.5894268647591
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574	279	206294	7238.858673073351	975877	31.70250766	39.5550431029188	-100.773677	347607.2825	4379875.724	2965.028990240396	2843.9132482635	2774.802709527425	2778.458984328697	27.691106136	65.45433549476968
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576	279	206296	8558.858673073351	975877	31.70250766	39.55504201208415	-100.769108	348009.267	4379867.687195081	2962.3663677852525	2841.9969683523736	2773.376338624775	2778.267408050216	27.68793438999612	63.72849725015755
577	279	206297	9218.858673073351	975877	31.70250766	39.5550441256534	-100.766787	348210.2585490014	4379863.68687826	2961.00170234042693	2772.4556463769572	2778.3726858090302	2785.9376817307	27.62343843339074	62.63439843339074
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579	279	206299	10538.858673073351	975877	31.70250766	39.5550400597346	-100.76209	348601.241868802	4379853.62894618	2958.97783132921	2770.46783051655	2777.477477	2784.4172637054813	27.6138303905411294	64.38303905411294
580	279	206300	11198.858673073351	975877	31.70250766	39.55503931548472	-100.7597506	348813.2330923985	4379851.6152266525	2942.444369071158	2837.71110358281	2769.490906814423	2782.202096	27.68203052073539	62.883052073539
581	279	206301	11858.858673073351	975877	31.70250766	39.55503852607405	-100.7574113	349014.2246035917	4379847.59777458	2938.957145670118	2836.7473994815	2768.48325406681	2774.694931251176	27.69394857863698	61.87180948635208
582	279	206302	12518.858673073351	975877	31.70250766	39.55503789147149	-100.755072	349215.215750846	4379843.58038392	2935.48594343027	2835.1894556751347	2767.5271971222616	2773.152214471634	27.66167655	62.03724124
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586															

ix	iy	ix	iy	X.Ft	Y.Ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.Ft	W.Lt.	BRIElevLogs.Kg.Ft	BRIElevBoth.Kg.Ft	SatHtLogs.Kg.Ft	SatHtBoth.Ft
659	279	206389	70988	8586.7307335	97587.7170250766	39.5547920688057	-100.5515564	366700.910842108	473949.907128381	2828.9110402741203	268.9538191609773	2628.9835141466324	2628.9540539434496	56.2847318907425	
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671	279	206391	71288	8586.7307335	97587.7170250766	39.5547621674346	-100.5468719	366856.5226932067	473949.910309629	2826.5279902516818	268.312472837058	2626.5279902516818	2626.5279902516818	57.496732575897422	57.496732575897422
672	279	206392	70918	8586.7307335	97587.7170250766	39.5547751688782	-100.5445325	366798.0755051278	473949.910307108	2826.5208704512028	268.1186988712084	2622.7433173252878	2622.7433173252878	58.36426138702137	58.36426138702137
673	279	206393	72578	8586.7307335	97587.7170250766	39.5547725698328	-100.5421392	367504.826693317	473949.910307108	2826.321532530655	267.958271428177	2620.326355230655	2620.347105246336	59.53191619752215	59.51256181840696
674	279	206394	70238	8586.7307335	97587.7170250766	39.5547775759985	-100.5398539	367705.8053019659	473949.917799275	2826.0504627982	267.8532266684497	2617.6105924379894	2617.717140498323	60.81547868167136	60.81547868167136
675	279	206395	73898	8586.7307335	97587.7170250766	39.5547625401703	-100.5375145	367966.7837845008	473949.920871941	2826.023265776768	267.7213177121952	2614.851648467312	2614.942100440494	61.362152885	62.271076717257984
676	279	206396	74558	8586.7307335	97587.7170250766	39.5547574574886	-100.5351752	368107.7621405029	473949.923623655	2829.26892183558	267.5790033	2612.1084715899397	2612.1708132340844	63.79188132132403	63.79188132132403
677	279	206397	75218	8586.7307335	97587.7170250766	39.554752297483	-100.5336859	368368.74030717613	473949.923623655	2829.26892183558	267.5790033	2612.1084715899397	2612.1708132340844	63.79188132132403	63.79188132132403
678	279	206398	75678	8586.7307335	97587.7170250766	39.5547415672475	-100.5304966	368609.719471305	473949.930568373	2833.74140554013	267.3236552745242	2609.1605011431967	2609.090203791953	64.12315143132854	64.12315143132854
679	279	206399	76538	8586.7307335	97587.7170250766	39.554741938537276	-100.5281573	368810.69645137066	473949.933491289	2833.74140554013	267.3236552745242	2609.9547042774366	2609.9547042774366	64.938226363567	64.938226363567
680	279	206400	77198	8586.7307335	97587.7170250766	39.554736675150764	-100.525818	368911.674303298	473949.933491289	2833.74140554013	267.3236552745242	2609.9547042774366	2609.9547042774366	64.938226363567	64.938226363567
681	279	206401	77858	8586.7307335	97587.7170250766	39.55473136657238	-100.5234786	369121.65020297226	473949.942264008	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
682	279	206402	78518	8586.7307335	97587.7170250766	39.55472601280382	-100.5211393	369313.6293064644	473949.942264008	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
683	279	206403	79178	8586.7307335	97587.7170250766	39.554720613843396	-100.51918	369514.060710687784	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
684	279	206404	79838	8586.7307335	97587.7170250766	39.554715169091704	-100.516677	369715.5845802075	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
685	279	206405	80498	8586.7307335	97587.7170250766	39.55470968034872	-100.5141214	369916.5616848116	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
686	279	206406	81158	8586.7307335	97587.7170250766	39.55470414581451	-100.5117821	370117.51338	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
687	279	206407	81818	8586.7307335	97587.7170250766	39.5546986668092	-100.5094428	370318.5156741754	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
688	279	206408	82478	8586.7307335	97587.7170250766	39.55469294117233	-100.5071035	370519.49487178214	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
689	279	206409	83138	8586.7307335	97587.7170250766	39.5546871706438	-100.5047641	370720.489	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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691	279	206411	84358	8586.7307335	97587.7170250766	39.554675932515	-100.500165	371123.4224	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
692	279	206412	85118	8586.7307335	97587.7170250766	39.554669959334	-100.4977462	371323.398795555	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
693	279	206413	85778	8586.7307335	97587.7170250766	39.55466138720064	-100.4954089	371524.3702325356	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
694	279	206414	86438	8586.7307335	97587.7170250766	39.5546582456714	-100.4930676	371725.351458194	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
695	279	206415	87098	8586.7307335	97587.7170250766	39.55465230140164	-100.4907283	371926.32713675796	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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697	279	206417	88418	8586.7307335	97587.7170250766	39.5546403831809	-100.4860497	372328.28797515742	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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701	279	206421	91058	8586.7307335	97587.7170250766	39.55461574857554	-100.4766924	373132.1805	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
702	279	206422	91718	8586.7307335	97587.7170250766	39.55460945	-100.474351	373333.1556570207	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
703	279	206423	92378	8586.7307335	97587.7170250766	39.5546031448078	-100.4720138	373534.1360743395	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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705	279	206425	93698	8586.7307335	97587.7170250766	39.5545804339035	-100.4673522	373936.08362484754	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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707	279	206427	95018	8586.7307335	97587.7170250766	39.55457748	-100.4626566	374338.0259378874	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
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709	279	206429	96338	8586.7307335	97587.7170250766	39.55456347876557	-100.457978	374739.978291045	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
710	279	206430	96998	8586.7307335	97587.7170250766	39.55455770944521	-100.4556307	374940.962452951	473949.941246342	2839.24634118126	2669.381710247584	2613.316021391207	2613.7649156149033	65.92554867252513	65.92554867252513
711	279	206431	97658	8586.7307335	97587.										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThLocs.kg.f	SatThBoth.f
55	280	206515	-335031.1413	796537.3170250766	39.55102689638548	-107.9678674	432371.8165667163	4382192.138885345	3744.796480062401	37.54769061433568	3502.6885298864163	3503.55624264961716	72.02200845471582	71.13834895769654
56	280	206516	-334641.1413	796537.3170250766	39.551049631421395	-107.9655284	243472.91260312175	4382198.014018275	3747.3081678703883	37.53173181313175	3500.794700080644	3505.666743636287	72.86652340356312	67.90750819503646
57	280	206517	-333881.1413	796537.3170250766	39.551032272	-107.9831864	43674.006596162	4382196.637878802	3749.814865782587	37.52940548278166	3498.725911338107	3503.6985048278166	73.89953172859634	64.363387768642634
58	280	206518	-333231.1413	796537.3170250766	39.55100659474885	-107.9808504	37845.10393433025	4382179.73561311	3752.3315453133627	37.513213858960	3496.8304873652046	3510.7073439015826	74.7426749340424	60.6058995702624
59	280	206519	-332661.1413	796537.3170250766	39.55111836543759	-107.9785113	244076.19921967367	4382175.609536348	3752.7807490903413	37.5176408903413	3501.613885058858	3494.9312657886258	75.35163510582475	56.39780779232342
60	280	206520	-332001.1413	796537.3170250766	39.55114179145644	-107.9761723	244277.2942516585	4382175.4743171946	3752.7807484815826	3501.613885058858	3493.056251769541	3513.7630037524502	75.92590319283727	55.0751713787639
61	280	206521	-331341.1413	796537.3170250766	39.55116382871644	-107.9738333	244478.38903505224	4382167.344301241	3749.5541998543733	3567.781457747454	3491.1084967457826	3515.624052478262	76.67260102896262	52.15740377923624
62	280	206522	-330681.1413	796537.3170250766	39.5511864921553	-107.9714943	244678.4835566135	4382163.2424064	3747.54884287885	3566.538526903232	3489.22691703955	3516.5852682721255	77.3227736536819	49.95826479197172
63	280	206523	-330021.1413	796537.3170250766	39.5510911557722	-107.9691552	244869.5762896912	4382159.767424484	3748.1716712424484	3565.2999666665	3487.421381775176	3517.4505219912387	77.84781781148906	47.8185776854046264
64	280	206524	-329361.1413	796537.3170250766	39.5512168615575	-107.9668152	245071.6718507457	4382154.951249023	3750.25937089424	3563.945776	3485.445456341187	3515.57	78.41025962	46.28471651869964
65	280	206525	-328701.1413	796537.3170250766	39.55125421	-107.9644772	245282.76591634005	4382150.82096726	3752.341037	3562.800755701093	3483.65056138439	3517.9845062224	78.94951043	51.79261574788552
66	280	206526	-328041.1413	796537.3170250766	39.551766676897	-107.9621381	245483.8591358374	4382146.690801675	3754.4237368107348	3561.206662201312	3487.813966155748	3503.659824075476	79.27946304356433	57.54683439673454
67	280	206527	-327381.1413	796537.3170250766	39.55129913480162	-107.9597991	245684.95240056414	4382146.169817845	3754.2052158752746	3559.7769317549796	3480.0060185027414	3496.917341954089	79.73091252207319	62.8598898008162
68	280	206528	-326721.1413	796537.3170250766	39.5513215276518	-107.9574061	245886.05443136025	4382138.4149646	3751.685474140915	3558.214464260352	3478.6341181073494	3490.9863427544683	79.6803615300257	67.32821151
69	280	206529	-326061.1413	796537.3170250766	39.55134387531972	-107.955121	246067.13817519377	4382134.302059685	3749.561732040923	3556.816732040923	3477.871924936172	3486.084153230268	79.1516981550975	70.73917175821089
70	280	206530	-325401.1413	796537.3170250766	39.551366177805114	-107.952782	246288.2306855212	4382130.172873979	3746.6459967071	3555.300649413033	3477.225233751837	3482.1494371642376	79.08474107346459	73.1588432089265
71	280	206531	-324741.1413	796537.3170250766	39.55138843510799	-107.9504249	246489.32294488167	4382126.043912423	3742.9567728041884	3553.770968	3468.40361788632	3470.039762839055	79.36074094	83.7390048703505
72	280	206532	-324081.1413	796537.3170250766	39.551406722832	-107.9481039	246690.449533876	4382121.95173639	3752.1406710896967	3552.214987108602	3444.652340894077	3443.2506196964937	80.5626401919445	106.9643617117528
73	280	206533	-323421.1413	796537.3170250766	39.551432814166034	-107.9457649	246891.5067127767	4382117.78665879	3743.234949610334	3550.6455341395	3440.276322337717	3438.717983897110	80.3749198189331	111.9276537494768
74	280	206534	-322761.1413	796537.3170250766	39.55145403589213	-107.9434258	247092.59831871613	4382113.068395444	3743.38349510311	3549.0658155582744	3440.710540548945	3439.566688668261	80.3548095789676	109.6214962462121
75	280	206535	-322101.1413	796537.3170250766	39.551477012504535	-107.9410688	247294.86987599037	4382105.30282427	3742.920172343937	3547.4786503221	3441.5991163062724	3440.787397293774	80.5877027939774	106.6912708993971
76	280	206536	-321441.1413	796537.3170250766	39.55149964389422	-107.9387477	247494.7805826695	4382105.40245678	3742.8758252325964	3545.865368397295	3441.5991163062724	3441.5991163062724	80.5877027939774	106.6912708993971
77	280	206537	-320781.1413	796537.3170250766	39.55152201031075	-107.9364009	247695.8134074854	4382105.40245678	3742.8758252325964	3545.865368397295	3441.5991163062724	3441.5991163062724	80.5877027939774	106.6912708993971
78	280	206538	-320121.1413	796537.3170250766	39.55154297112526	-107.9340696	247896.9618465438	4382097.147327958	3743.8712180875677	3542.696580187396	3442.089713664558	3441.5991163062724	80.5877027939774	106.6912708993971
79	280	206539	-319461.1413	796537.3170250766	39.55156486696652	-107.9317306	248098.0521071612	4382097.147327958	3743.8712180875677	3542.696580187396	3442.089713664558	3441.5991163062724	80.5877027939774	106.6912708993971
80	280	206540	-318801.1413	796537.3170250766	39.55158671762491	-107.9293915	248292.1411650295	4382088.93021227	3750.22335	3539.512295883077	3440.47653696144	3440.0605970350425	90.03273191379321	99.4516988436514
81	280	206541	-318141.1413	796537.3170250766	39.55160823310037	-107.9270525	248500.2318787728	4382084.76454716	3750.645921813372	3539.512295883077	3440.47653696144	3440.0605970350425	90.03273191379321	99.4516988436514
82	280	206542	-317481.1413	796537.3170250766	39.55163028339284	-107.9247314	248701.32138848817	4382080.64	3751.068303456913	3536.360943782389	3438.47376364227	3438.038946778853	97.8878017133261	98.3220334045356
83	280	206543	-316821.1413	796537.3170250766	39.55165234982204	-107.922474	248902.4106595445	4382075.3897005	3751.068303456913	3536.360943782389	3438.47376364227	3438.038946778853	97.8878017133261	98.3220334045356
84	280	206544	-316161.1413	796537.3170250766	39.5516738624875	-107.9200353	249103.499662504	4382072.3897005	3751.068303456913	3536.360943782389	3438.47376364227	3438.038946778853	97.8878017133261	98.3220334045356
85	280	206545	-315501.1413	796537.3170250766	39.5516952303172074	-107.9178692	249304.5884321828	4382068.2616582	3751.068303456913	3536.360943782389	3438.47376364227	3438.038946778853	97.8878017133261	98.3220334045356
86	280	206546	-314841.1413	796537.3170250766	39.5517178773224	-107.9153572	249505.6705614356	4382064.135971409	3760.00036021287	3531.83130759706	3432.02649104025	3431.634466476983	98.1570816388105	98.5647111027066
87	280	206547	-314181.1413	796537.3170250766	39.55173840710926	-107.9130181	249706.756222391	4382060.10537148	3759.133970498787	3528.6608055115476	3429.8173630257416	3429.4925662760656	98.8429752540598	99.1682394
88	280	206548	-313521.1413	796537.3170250766	39.5517598630302	-107.910679	249907.8532456952	4382055.88532067	3754.90626983119	3527.147913996134	3427.782096061417	3427.782096061417	99.17818219037	99.17818219037
89	280	206549	-312861.1413	796537.3170250766	39.55178134013933	-107.908384	250108.841	4382051.76921655	3759.682671577995	3526.543638581005	3426.842659565125	3426.842659565125	99.0150071572531	99.43035664
90	280	206550	-312201.1413	796537.3170250766	39.551802739140754	-107.906009	250300.120850674722	4382047.3897005	3746.45697384195	3524.147495577837	3426.03546504693	3425.985346504693	99.785827182179	99.1580105713432
91	280	206551	-311541.1413	796537.3170250766	39.5518209278483	-107.9036878	250511.1158327037	4382043.71001863	3744.465310014734	3522.66561163835	3426.742679356712	3426.03546504693	99.785827182179	99.1580105713432
92	280	206552	-310881.1413	796537.3170250766	39.55184540124511	-107.9013228	250712.026802863	4382039.36696446	3744.7076307480521	3521.171834113417	3426.675342484616	3426.03546504693	99.785827182179	99.1580105713432
93	280	206553	-310221.1413	796537.3170250766	39.55186666452217	-107.8989837	250913.289656581	4382035.26555177	3744.949514808191	3519.692358818528	3425.56329829558	3425.56329829558	99.17818219037	99.17818219037
94	280	206554	-309561.1413	796537.3170250766	39.551887861575	-107.8966446	251114.3761993991	4382031.18662048	3745.192272132995	3518.218772818257	3425.181741454288	3425.181741454288	99.03702967282834	90.7834109476315
95	280	206555	-308901.1413	796537.3170250766	39.55190850252584	-107.8943056	251315.4629495578	4382027.014908904	3744.822813991958	3516.751333919583	3424.12898389479	3426.56552482817	99.03702967282834	90.7834109476315
96	280	206556	-308241.1413	796537.3170250766	39.5519301833257	-107.891966	251516.5485464384	4382022.891536184	3743.8715176644631	3515.2903530373175	3423.62116004043	3425.62116004043	99.03702967282834	90.7834109476315
97	280	206557	-307581.1413	796537.3170250766	39.55195176579526	-107.8895878	251718.630249517	4382018.91958189	3743.8715176644631	3515.2903530373175	3423.62116004043	3425.62116004043	99.03702967282834	90.7834109476315
98	280	206558	-306921.1413	796537.3170250766	39.55197323	-107.887283	251918.791910771	4382014.65209794	3743.8715176644631	3515.2903530373175	3423.62116004043	3425.62116004043	99.03702967282834	90.7834109476315
99	280													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKgr.f	BREVElevBot.f	SatHtKgr.f	SatHtBot.f
181	280	206641	-252141.1413	796537.3170250766	39.5536980803967	-101.6931404	686807.9862045025	4381673.210831518	3585.7606204959952	349.9385982512599	3274.624641444245	3274.074322262418	135.32921706835396	135.3769263
182	280	206642	-251481.1413	796537.3170250766	39.55357813183817	-101.6980812	686809.051804316	4381669.697282317	3584.060451835914	349.1065652161146	327.5942637352464	327.00202412899707	135.613204809652	137.0452362614388
183	280	206643	-250921.1413	796537.3170250766	39.55363832449684	-101.6884621	686810.117	4381664.992926305	3583.20876857651	349.0836984144717	326.551779272924	326.741414151004	137.7680936916893	137.55412765883146
184	280	206644	-250161.1413	796537.3170250766	39.55361247987483	-101.6861229	686811.18254856346	4381665.78402638	3583.17715963004	3407.453173723504	326.875030730085	326.81727343913	138.785807697302	138.78489464082254
185	280	206645	-249501.1413	796537.3170250766	39.55362966811294	-101.6837837	686812.24754132034	4381665.78402638	3583.151414268944	3406.6040911551095	326.7605348790924	326.6556536862944	138.8982562842074	139.94845129241505
186	280	206646	-248841.1413	796537.3170250766	39.55364464716423	-101.6814445	686813.3120667094	4381662.81801356	3583.125675861891	3407.71070291402	326.4384538936607	326.47258854294973	141.04518479190454	141.04518479190454
187	280	206647	-248181.1413	796537.3170250766	39.55363636363056	-101.6791053	686814.37684484925	4381664.577226808	3582.186257499249	3404.934203433167	326.27441331356167	326.28219552882131	142.1901873	142.1901873
188	280	206648	-247521.1413	796537.3170250766	39.55380636320863	-101.6767661	686815.4115618966	4381644.577226808	3580.333454550258	3404.0924113340483	326.1726042917876	326.12100906939862	142.3663836322085	142.3663836322085
189	280	206649	-246861.1413	796537.3170250766	39.5538759195919652	-101.6744268	686816.5082407896	4381640.372	3578.4800516040223	3403.2446873618338	326.1258948692684	325.9316318897930023	143.11888942862325	143.11888942862325
190	280	206650	-246201.1413	796537.3170250766	39.55371443590003	-101.6720878	686817.569938577	4381636.26879722	3576.629485775556	3402.3894764733126	325.921080431417	325.8201895625453	143.8821396917092	144.1573001706763
191	280	206651	-245541.1413	796537.3170250766	39.5537127	-101.6697488	686818.632703595	4381632.166	3575.321219568935	3401.523833	325.712119668493	325.6476523939233	144.554130595082	144.554130595082
192	280	206652	-244881.1413	796537.3170250766	39.55374806454594	-101.6674094	686819.6961362633	4381628.03619025	3574.537091033374	3400.645735766226	325.6377604723407	325.5895202062727	145.007925938547	144.7472155455344
193	280	206653	-244221.1413	796537.3170250766	39.55375480928828	-101.6650702	686820.7591303264	4381623.961725803	3573.746864994174	3399.73066853244	325.43604164778476	325.41134950858	145.326503817466	144.6089319144562
194	280	206654	-243561.1413	796537.3170250766	39.55378151	-101.662731	686821.8222049958	4381619.58909097	3572.9905047948967	3398.840259079025	325.31602753808434	325.294378692691	145.6837505199417	144.545649010146
195	280	206655	-242901.1413	796537.3170250766	39.55379831521159	-101.6603918	686822.787489971385	4381615.87113576	3571.636695316354	3397.91689531591	325.2064970762537	325.2315120062051	145.8519198	145.8519198
196	280	206656	-242241.1413	796537.3170250766	39.5538147232048	-101.6580626	686823.7615023046	4381611.65663635	3569.497903134893	3396.96971245903	325.091753730017	325.0614608310502	146.0722353709116	146.0722353709116
197	280	206657	-241581.1413	796537.3170250766	39.55383133636186	-101.6557134	686824.079802911	4381607.55	3566.760806106235	3395.98267753641	324.8958528393768	325.0445890672037	146.1244483732626	146.1244483732626
198	280	206658	-240921.1413	796537.3170250766	39.5538438519259	-101.6537422	686825.0718	4381603.45430664	3563.02370907576	3394.9984985402452	324.8770525341128	325.091753730017	146.12644600613248	146.12644600613248
199	280	206659	-240261.1413	796537.3170250766	39.55386423881176	-101.651035	686826.133662341	4381599.35321577	3559.52176689971	3393.9690351641627	324.7958303560157	325.1188439	146.0107502040055	146.0107502040055
200	280	206660	-239601.1413	796537.3170250766	39.55387657243626	-101.6486958	686827.14286196354	4381595.2522226	3558.497497766663	3392.90898583483	324.6932771341314	325.043058387314	146.2806144286293	146.2806144286293
201	280	206661	-238941.1413	796537.3170250766	39.553897140488104	-101.6463566	686828.2566467274	4381591.152542084	3550.988188473555	3391.818506755281	324.6019887908526	324.6019887908526	146.450751817693	146.450751817693
202	280	206662	-238281.1413	796537.3170250766	39.55391347855335	-101.6440174	686829.317026862	4381587.052927295	3549.713992604475	3390.697114227614	324.5178927450064	324.52752103974	146.5200787	146.5200787
203	280	206663	-237621.1413	796537.3170250766	39.55393174420906	-101.6417284	686830.378342682	4381582.97155067	3548.401680874548	3390.020981548774	324.425828788363	324.425828788363	146.5724817084638	146.5724817084638
204	280	206664	-236961.1413	796537.3170250766	39.5539460119105354	-101.639339	686831.4395433597	4381578.85271559	3546.862635927873	3388.362925745543	324.3386949738085	324.362158781207	146.64920080737	146.64920080737
205	280	206665	-236301.1413	796537.3170250766	39.55396222160019	-101.6369988	686832.4350024682	4381574.753	3545.864362187164	3387.2543266811	324.24105814216838	324.458105355445	146.70459284512738	146.70459284512738
206	280	206666	-235641.1413	796537.3170250766	39.55397839879495	-101.634606	686833.560290369	4381569.35292976	3544.780600484422	3385.914660559784	324.02620471393636	324.158206867194	146.7941826067228	146.7941826067228
207	280	206667	-234981.1413	796537.3170250766	39.55398449	-101.6323214	686834.260329435	4381566.55486058	3545.267885855606	3384.6450367687494	323.8797955069457	323.8467511261155	146.8524786992346	146.8524786992346
208	280	206668	-234321.1413	796537.3170250766	39.55401057959653	-101.6299821	686835.68014532095	4381562.46020194	3543.3300954412966	3383.347257080117	323.6963591181778	323.5188378111778	146.8365960203355	146.8365960203355
209	280	206669	-233661.1413	796537.3170250766	39.55402657970416	-101.627649	686836.787489971385	4381561.392394975	3541.3892263152475	3381.518485371594	323.518485371594	323.518485371594	146.8103003027181	146.8103003027181
210	280	206670	-233001.1413	796537.3170250766	39.55404325975455	-101.6253037	686837.7949108896	4381554.29	3539.734719128515	3379.4091784901	323.4091784901	323.4091784901	146.8103003027181	146.8103003027181
211	280	206671	-232341.1413	796537.3170250766	39.55405848763056	-101.6229465	686838.855287879	4381550.1602810365	3538.2554739033034	3377.94268802657	323.318450950247855	323.210427233574	146.7440473877814	146.7440473877814
212	280	206672	-231681.1413	796537.3170250766	39.55407337182234	-101.6206253	686839.71857074	4381546.062833054	3537.765705544174	3377.8911987703905	323.252669275446	323.2405129824362	146.6382594284584	146.6382594284584
213	280	206673	-231021.1413	796537.3170250766	39.554090021480221	-101.6182861	686840.975890583	4381541.96508018	3537.356692031	3376.4613234071424	322.8718530850378	322.8718530850378	146.6092984269846	146.6092984269846
214	280	206674	-230361.1413	796537.3170250766	39.55410601061243	-101.6159469	686841.27534374289	4381537.86755758	3536.873185126345	3375.407362194662	322.7236121463815	322.655112463815	146.7686147556462	146.7686147556462
215	280	206675	-229701.1413	796537.3170250766	39.55412176120896	-101.613607	686842.9592654257	4381533.70248505	3536.111381472865	3374.520876202396	322.59889378825	322.59889378825	146.8195011963937	146.8195011963937
216	280	206676	-229041.1413	796537.3170250766	39.5541374699156	-101.611284	686843.975890583	4381529.67155067	3534.921680874548	3373.00981548774	322.40030876994	322.4171783106257	146.8365960203355	146.8365960203355
217	280	206677	-228381.1413	796537.3170250766	39.55415312690437	-101.6088927	686844.98749042	4381525.788293561	3533.97218923763	3370.47029348466	322.30581098491373	322.30581098491373	146.8365960203355	146.8365960203355
218	280	206678	-227721.1413	796537.3170250766	39.5541684195933	-101.60659	686845.260971652	4381521.479631284	3532.954028796737	3368.902427128957	322.17052363697	322.17052363697	146.8365960203355	146.8365960203355
219	280	206679	-227061.1413	796537.3170250766	39.5541831182639	-101.6042508	686846.23459873	4381517.383198227	3531.957038738547	3367.30387838547	322.068493013446	322.068493013446	146.8365960203355	146.8365960203355
220	280	206680	-226401.1413	796537.3170250766	39.55419883605553	-101.6019116	686847.3806347597	4381513.28680432	3530.4715786784004	3365.673861428891	321.9750562343415	321.9750562343415	146.8365960203355	146.8365960203355
221	280	206681	-225741.1413	796537.3170250766	39.5542135199672	-101.5995723	686848.7573283467	4381509.19089742	3529.7575583746	3364.0914183871	321.871863134322	321.871863134322	146.8365960203355	146.8365960203355
222	280	206682	-225081.1413	796537.3170250766	39.55423075029992	-101.5972331	686849.7492912763	4381505.095214298	3528.953023993091	3362.803818480392	321.76038199512	321.76038199512	146.8365960203355	146.8365960203355
223	280	206683	-224421.1413	796537.3170250766	39.55424795455	-101.5949192	686850.7834940434	4381500.928920317	3528.1540928920317	3361.616451963972	321.65724817084638	321.65724817084638	146.8365960203355	146.8365960203355
224	280	206684	-223761.1413	796537.3170250766	39.55426148332243	-101.5925547	686851.8076092164	4381496.904	3527.0281211971383	3359.811079814666	321.5403109820884	321.5403109820884	146.8365960203355	146.83659602033

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
290	206767	-169881.1413	796537.3170250766	39.555377905101	-101.3983958	293940.53357194795	381157.74562626	347.698805894884	312.6.059277296032	311.21.49941884575	310.9645717052395	310.64428310757467	310.64047055079273	
308	206768	-168321.1413	796537.3170250766	39.5553804905875	-101.3960669	294141.572744474	381157.67099449	3416.31915454383	3214.35.3618952584	311.34.59849496226	310.821306537372	310.6730200276782	310.5352104485419	
309	206769	-167661.1413	796537.3170250766	39.555405518029	-101.3798812	29432.6190066798	381157.640066798	3414.84.10744951347	3215.42.46861729	310.58261380933	309.716854391654	310.6064658243876	310.6064658243876	
310	206770	-167001.1413	796537.3170250766	39.5554120095845	-101.391379	294543.6468926427	381155.5448661	3413.562207	310.9326303717547	310.547285317326	310.4726678196338	310.9835341442286	310.7052610212092	
311	206771	-166341.1413	796537.3170250766	39.55542322048484	-101.3890386	294744.8666271454	381114.448151039	3412.07773674426	3209.332964360247	310.472935547919	310.212540804422	310.26036808810588	310.07921599182282	
312	206772	-165681.1413	796537.3170250766	39.5554378322106	-101.3866993	294945.7244141415	381114.220710914	3408.0787234727386	3208.2356540252956	310.4230548465103	309.913642342239	310.58231069378153	310.8197111080646	
313	206773	-165021.1413	796537.3170250766	39.55544611440544	-101.38436	295146.7619982878	381129.226621128	3404.8891411771313	3207.216833747814	310.41549967589908	309.458924055087	310.66686515790599	310.7529242271904	
314	206774	-164361.1413	796537.3170250766	39.55545738829642	-101.3820207	295347.79935646145	381129.226621128	3407.10474802424	3206.179454267196	310.4105671939716	310.61196571939716	310.13643594762422	310.5364367192048	
315	206775	-163701.1413	796537.3170250766	39.5554696001015	-101.3798812	295548.3635312226	381129.226621128	3408.94495341347	3205.173196100224	310.58261380933	309.716854391654	310.6064658243876	310.6064658243876	
316	206776	-163041.1413	796537.3170250766	39.5554789051323	-101.3773421	295749.87349641416	381121.05940246	3396.488977170022	3204.14.1970676145	310.665870765978	309.746586229385	310.4732518901688	310.7406528828294	
317	206777	-162381.1413	796537.3170250766	39.5554904783501	-101.3750028	295950.810261247	381116.94635656	3394.073360289864	3203.101240900218	310.4937370094121	309.6331146	310.6203870806569	310.47009471790795	
318	206778	-161721.1413	796537.3170250766	39.5555020436637	-101.372635	296151.94626591804	381102.182018294	3391.65774468371	3202.052948	310.395320235889	309.65845119237312	310.65762779607121	310.57243610282889	
319	206779	-161061.1413	796537.3170250766	39.55551308490726	-101.3703242	296352.9831906402	381108.45836467	3389.313582582947	3200.93213433785	309.9393876165027	309.3229005236876	310.0538257222838	310.0937210909744	
320	206780	-160401.1413	796537.3170250766	39.55552410665767	-101.367949	296554.019355617	381104.1774	3387.0408155114667	3199.0717669116943	309.9030101495704	308.760759693903	310.61786541594392	310.151702702	
321	206781	-159741.1413	796537.3170250766	39.5555360211759	-101.3654658	296755.05523105884	381100.897191125	3384.76808617369	3198.82705293964	309.871693546452	308.8239678634284	310.35530094571204	310.7810473053774	
322	206782	-159081.1413	796537.3170250766	39.55554976387005	-101.363302	296956.0911	381092.62306597	3382.49532082381	3197.7202714225585	309.7845731847254	308.611511077139	310.25589623780504	310.15970034544625	
323	206783	-158421.1413	796537.3170250766	39.5555684676586	-101.3609689	297157.126654153	381092.549624082	3380.760954583283	3196.597590844086	309.6813953763964	308.7399933368246	310.01619546768991	310.1956744783989	
324	206784	-157761.1413	796537.3170250766	39.5555767175413	-101.3586276	297358.1622202425	381088.947612771	3379.546964127205	3195.5458926	309.6241962	308.63081358001	310.21696416299579	310.39504574787983	
325	206785	-157101.1413	796537.3170250766	39.55557845518185	-101.3562883	297559.19719154586	381084.402923465	3378.36849246602	3194.3040315260196	309.645127813623	308.8259710184617	310.55890371236639	311.3432134140252	
326	206786	-156441.1413	796537.3170250766	39.5555918615894	-101.353949	297760.23216238106	381080.32990547	3377.172999100447	3193.130878137932	309.6209008260533	308.808576	310.1039713172784	311.07121219072102	
327	206787	-155781.1413	796537.3170250766	39.5555975755425	-101.3516097	297961.2689349095	381076.257100017	3375.772409200606	3191.9388958762775	309.610129597	307.7196587430428	310.826028697447	311.472390835584697	
328	206788	-155121.1413	796537.3170250766	39.55561051980124	-101.3492704	298162.301	381072.185	3374.166779	3189.82705293964	309.871693546452	308.8239678634284	310.35530094571204	310.7810473053774	
329	206789	-154461.1413	796537.3170250766	39.5556171882664	-101.3469121	298363.589386827	381068.112150564	3373.048613750707	3187.91842593853	309.7707163204613	308.7016875997578	310.61786541594392	310.151702702	
330	206790	-153801.1413	796537.3170250766	39.55563172680996	-101.3445818	298564.370047357	381064.00020848	3370.558059059714	3188.25210677309	309.6387651643494	309.662207688177	310.4732518901688	311.5901029091313	
331	206791	-153141.1413	796537.3170250766	39.5556421833986	-101.3422524	298765.401460403	381059.968017516	3369.5352758658	3186.8866995050765	309.60503662268	308.706314	310.02618933897667	311.8283035897667	
332	206792	-152481.1413	796537.3170250766	39.55565264802876	-101.3399131	298966.43739013925	381055.86360185	3368.30142007862	3185.702991579107	307.821888483273	307.70177594930893	310.4212027313835	311.5325964912138	
333	206793	-151821.1413	796537.3170250766	39.5556630367015	-101.3375738	299167.4715171765	381051.82468842	3367.0663061065	3184.4012686597	307.6277063095557	307.6277063095557	310.81240744241252	311.11830306492138	
334	206794	-151161.1413	796537.3170250766	39.555673436156646	-101.3352245	299368.5049073346	381047.733943575	3365.81678029149	3183.079084739944	307.620183229364	307.6277063095557	310.81240744241252	311.11830306492138	
335	206795	-150501.1413	796537.3170250766	39.55568376549757	-101.3328865	299569.5381098437	381043.83885815	3364.53668159663	3181.768633345477	307.7407134147877	307.7407134147877	310.81240744241252	311.11830306492138	
336	206796	-149841.1413	796537.3170250766	39.5556947030237	-101.3305559	299770.5710970214	381039.612	3363.04714849898	3179.374118586657	307.8332312135089	307.8332312135089	310.81240744241252	311.11830306492138	
337	206797	-149181.1413	796537.3170250766	39.5557048245637	-101.3282165	299971.603987144	381035.541802057	3361.819685240722	3177.8676108081958	307.87451636357	307.87451636357	310.81240744241252	311.11830306492138	
338	206798	-148521.1413	796537.3170250766	39.55571447657461	-101.3258772	300172.63650348654	381031.470881227	3360.461851790956	3176.851654886005	307.87451636357	307.87451636357	310.81240744241252	311.11830306492138	
339	206799	-147861.1413	796537.3170250766	39.55572437201956	-101.3235379	300373.66891242604	381027.400498645	3359.386039004341	3176.1646444590124	307.594266776633	307.594266776633	310.81240744241252	311.11830306492138	
340	206800	-147201.1413	796537.3170250766	39.55573472563843	-101.3211986	300574.701127361	381023.33054423	3358.592327109879	3176.2753602194	307.6277063095557	307.6277063095557	310.81240744241252	311.11830306492138	
341	206801	-146541.1413	796537.3170250766	39.55574476238401	-101.3188593	300775.7331436522	381019.26078436	3357.7986152116477	3173.27468968472	307.620183229364	307.6277063095557	310.81240744241252	311.11830306492138	
342	206802	-145881.1413	796537.3170250766	39.5557547030387	-101.316519	300975.764962075	381015.19129715	3356.7046192596	3171.80144849898	307.610129597	307.610129597	310.81240744241252	311.11830306492138	
343	206803	-145221.1413	796537.3170250766	39.55576476030237	-101.3141898	301177.79659395834	381011.121912485	3356.4727811315579	3170.21623955836	307.620183229364	307.6277063095557	310.81240744241252	311.11830306492138	
344	206804	-144561.1413	796537.3170250766	39.555774681475114	-101.3118413	301378.828	381007.05260033	3356.203472179877	3168.83210083524	307.5852819846887	307.5852819846887	310.81240744241252	311.11830306492138	
345	206805	-143901.1413	796537.3170250766	39.555784557456874	-101.309502	301579.8592650729	381002.93837058	3355.93349271466	3167.33878756152	307.573160179256	307.573160179256	310.81240744241252	311.11830306492138	
346	206806	-143241.1413	796537.3170250766	39.555794738247634	-101.3071627	301780.8903808373	380998.915322316	3355.663670383005	3165.848754460325	307.563783791478	307.563783791478	310.81240744241252	311.11830306492138	
347	206807	-142581.1413	796537.3170250766	39.555804713847385	-101.3048233	301981.9211586145	380994.84689981	3355.4047920627	3163.30430309564	307.697894275143	307.697894275143	310.81240744241252	311.11830306492138	
348	206808	-141921.1413	796537.3170250766	39.55581391425007	-101.302484	302192.9518142007	380990.7867501	3355.249738232028	3162.9182532028	307.697894275143	307.697894275143	310.81240744241252	311.11830306492138	
349	206809	-141261.1413	796537.3170250766	39.5558239590347	-101.300191	302404.0511836574	380986.726205	3355.094719876704	3162.438176876704	307.697894275143	307.697894275143	310.81240744241252	311.11830306492138	
350	206810	-140601.1413	796537.3170250766	39.555833925950034	-101.2979053	302585.015455798	380982.42689523	3354.9727811315579	3161.92837395536	307.697894275143	307.697894275143	310.81240744241252	311.11830306492138	
351	206811	-139941.1413	796537.3170250766	39.55584286343576	-101.295466	302786.0426195661	380978.57331826	3354.838936641627	3158.68940795591	306.6217638189564	306.6217638189564	310.81240744241252	311.11830306492138	
352	206812	-139281.1413	796537.3170250766	39.555852423980										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogsKrg.	BREIEvBothKrg.	SatHtEvsLog.	SatHtBoth.
430	280889	-85821.14133	796537.3170250766	39.55647667396163	-101.1036384	319269.8705587362	4380645.776848998	3193.6238179290253	3056.500343287633	2977.8106401073347	2975.4434325618695	78.8879310809815	81.0569107256337	
434	280890	-85161.14133	796537.3170250766	39.556462510738007	-101.10113	319470.88503149165	4380641.727367188	3188.030411001104	3054.965814711058	2976.810553923482	2975.4111623182137	78.14802754812581	80.446758291	
438	280895	-84501.14133	796537.3170250766	39.55646109696166	-101.0886806	319671.89966862576	4380643.387840389	3184.36984471015	3053.4211244135742	2975.889007	2975.42254134944	78.52811756034316	80.18426078596	
439	280896	-83441.14133	796537.3170250766	39.556494100128600	-101.0966212	319872.91425969044	4380633.9026090905	3182.55380909403	3052.9378821781057	2973.963181237312	2972.07283263604	78.302104444360	79.8209695190534	
437	280897	-83181.14133	796537.3170250766	39.5564981848127	-101.0942819	320073.9284751852	4380629.280596289	3180.75747751708	3047.40586964287204	2972.23086286849	2970.6751341019817	78.14586459735503	79.7018118522236	
438	280898	-82521.14133	796537.3170250766	39.5565059163025	-101.0919425	320274.8425121595	4380625.531614972	3179.961574400836	3048.8782699010426	2970.497695282997	2969.3040694704012	78.3805748140556	79.45720403	
439	280899	-81861.14133	796537.3170250766	39.55651119586865	-101.0896031	320475.95673999143	4380621.482300634	3178.501994570383	3047.405869642872	2969.035515881821	2968.0391175370881	78.303539799671	79.3893944112968	
440	280900	-81201.14133	796537.3170250766	39.55651670235105	-101.0872638	320676.9700971474	4380617.734053762	3178.165394707957	3045.971970091667	2968.771250373433	2968.78297137139865	78.2943713542338	79.1898018707619	
441	280901	-80641.14133	796537.3170250766	39.5565222992856	-101.084524	320877.965859448	4380613.387840389	3178.255486345855	3044.571645134308	2968.4213484969	2965.7284225441195	78.257432085494	79.3362226901127	
442	280902	-79861.14133	796537.3170250766	39.55652773230222	-101.082935	321078.9969248329	4380609.393242401	3177.122281822574	3043.209771453343	2968.043610544923	2964.9043610544923	78.30541039715079	79.095228435917	
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478	280938	-56121.14133	796537.3170250766	39.5566953972712	-100.9983674	328315.365688186	4380463.76538363	3143.02227						

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
559	207019	-2661.1411327	976537.3170250766	39.5668587521119	-100.8088769	344596.048989074	4380137.252	2984.2052456331476	2585.8815986734065	2796.888218490568	2606.7089153635566	63.9933801238329	52.8776833094899
560	207020	-2661.1411327	976537.3170250766	39.566858534834575	-100.8086573	344749.4022969051	4380133.20171801	2983.3053268056023	2858.240150362858	2794.843011813854	2605.44727002796512	63.9990442472163	52.7661275663458
561	207021	-1341.141327	976537.3170250766	39.56686496245687	-100.8041861	344893.3970236574	4380135.208246232	2982.4011276918017	2856.3402386918345	2793.871184175256	2604.2432896918345	63.9528990430413	52.6921487987404
562	207022	-681.1413269	976537.3170250766	39.56685871850211	-100.8018571	345199.390004536	4380125.186538102	2981.2993115055124	2855.6637860677856	2790.763005236394	2603.062867100132	63.99078004414622	52.60091866736276
563	207023	-61.14132693	976537.3170250766	39.56685872454628	-100.7995193	345400.3846274996	4380121.165	2979.879147547965	2854.4302801846988	2791.499454530332	2602.705652276243	63.99028565437704	49.758214557666406
564	207024	638.586730733514	976537.3170250766	39.5668587139737	-100.7971799	345601.732049954	4380113.14370115	2977.556348499006	2853.232079924518	2790.052785	2604.191241317941	63.18042311471904	49.04149536664081
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566	207026	1958.8586730733514	976537.3170250766	39.5668584352039	-100.7925012	346003.3649121691	4380110.10776173	2972.953739782035	2850.94345243281	2786.2013676422066	2790.1006527626755	64.7208478174553	51.84279960706562
567	207027	2618.8586730733514	976537.3170250766	39.56685849679228	-100.7901616	346204.358	4380105.89124193	2971.564964761127	2849.8498502369384	2784.4467218736706	2789.494841853677	64.00278145633224	52.6468697626656
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570	207030	4598.858673073351	976537.3170250766	39.56685765	-100.7831436	346807.3360450892	4380093.020659371	2969.89604316039	2846.760128732363	2789.191673119541	2787.871294205697	67.5684556	58.8888340279394
571	207031	5258.858673073351	976537.3170250766	39.56685730794923	-100.7808042	347008.3290774077	4380089.00896838	2969.3151114754514	2845.7897961787827	2777.61089045134	2784.146179378588	61.64589902401493	61.64589902401493
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585	207045	14488.858673073351	976537.3170250766	39.56684783767286	-100.7480527	349822.2092	4380032.176660508	2942.3186651643324	2830.5112862274047	2763.7646159801597	2764.474923948977	67.7466933052162	66.036338189967
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592	207052	19118.858673073351	976537.3170250766	39.5668378084487	-100.731677	351229.1386935268	4380003.7330373	2938.061492196734	2820.986101	2748.2590346804276	2745.696939	75.09537626227998	75.09537626227998
593	207053	19778.858673073351	976537.3170250766	39.56683449097558	-100.7293376	351430.127233118	4380000.82083614	2937.04057298244516	2819.6094639822	2747.01472802066582	2743.935997079995	76.13864432	76.13864432
594	207054	20438.858673073351	976537.3170250766	39.5668312715846	-100.726998	351631.1107105984	4379996.296096358	2936.122732842147	2818.1989629041	2746.1778475292246	2743.198292978084	76.057362167349	76.057362167349
595	207055	21098.858673073351	976537.3170250766	39.56683056002328	-100.7246588	351832.10615349235	4379992.59155247	2935.33383209543	2817.279997437373	2745.0260628985	2742.5852465250152	76.8028230969380	76.8028230969380
596	207056	21758.858673073351	976537.3170250766	39.5668341826972	-100.7223194	352033.905540269	4379988.571602141	2934.511749669167	2815.44171280872	2743.259420354588	2743.7628052047804	76.8252919741401	76.81679910523913
597	207057	22418.858673073351	976537.3170250766	39.56683260717712	-100.71998	352234.0838179714	4379986.653021441	2933.601611269915	2814.0345084674036	2743.4625155996146	2743.757026284666	80.27748218275701	80.27748218275701
598	207058	23078.858673073351	976537.3170250766	39.56683111	-100.7176406	352435.07422710226	4379984.539992124	2932.614606759236	2813.1658195703335	2743.321374	2743.757026284666	80.27748218275701	80.27748218275701
599	207059	23738.858673073351	976537.3170250766	39.566829955887	-100.7153012	352636.0609898754	4379976.53089721	2931.773820404147	2811.180513589368	2743.161294098917	2743.757026284666	80.27748218275701	80.27748218275701
600	207060	24398.858673073351	976537.3170250766	39.5668278146023	-100.7129818	352837.4540359157	4379972.51901623	2930.5012957285	2809.730710435404	2743.01515622466	2743.757026284666	80.27748218275701	80.27748218275701
601	207061	25058.858673073351	976537.3170250766	39.5668256954043	-100.7106924	353038.4645088715	4379968.41528138	2929.238041988668	2808.470821988668	2742.861303754673	2743.757026284666	80.27748218275701	80.27748218275701
602	207062	25718.858673073351	976537.3170250766	39.566824296384	-100.708283	353239.0255	4379964.5956809	2928.76729347012	2807.76729347012	2742.7051983238414	2743.757026284666	80.27748218275701	80.27748218275701
603	207063	26378.858673073351	976537.3170250766	39.56682265	-100.7059436	353440.0133719525	4379962.482726645	2927.915476464531					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
67	201715	80498.85867307335	796537.3170250766	39.566522593144614	-100.5141143	69920.5597880167	479632.164129808	2815.424440853598	2663.890489711272	2618.495661587265	2619.269548511947	45.39483712	44.6209519332485	
68	201746	81158.85867307335	796537.3170250766	39.5665170684807	-100.5177992	70701.33666220206	479628.169191108	2811.609353851203	2663.815604717012	2618.899003397713	2619.6187423773445	43.7154425229606	42.9441809436676	
68	201747	81158.85867307335	796537.3170250766	39.566511148	-100.5084356	70702.33666220206	479624.71467736	2810.181449864284	2663.7405201517805	2618.899003397713	2619.6187423773445	43.7154425229606	42.9441809436676	
68	201748	81278.85867307335	796537.3170250766	39.5665053533774	-100.5107960	70703.33666220206	479619.70956894	2810.70779643022	2663.704746621696	2618.899003397713	2619.6187423773445	43.7154425229606	42.9441809436676	
68	201749	83138.85867307335	796537.3170250766	39.5665001832838	-100.5047568	70724.46654407517	479761.18569493	2811.983414314946	2658.799078578223	2619.6187423773445	2619.6187423773445	43.7154425229606	42.9441809436676	
68	201750	83798.85867307335	796537.3170250766	39.5664946783784	-100.5024174	70925.42234607474	479761.18569493	2812.496048905722	2657.520384459506	2619.305424463237	2619.6187423773445	43.7154425229606	42.9441809436676	
69	201751	84458.85867307335	796537.3170250766	39.566480719933	-100.5007781	711126.491794073	479608.197727345	2812.664257088223	2656.25404959407	2618.84655948902	2619.3595131667757	37.3727401743089	36.8970929216499	
69	201752	84118.85867307335	796537.3170250766	39.5664820136846	-100.4977877	71127.39352117165	479604.20408476	2811.281855779237	2657.9129282836396	2619.3595131667757	37.3727401743089	36.8970929216499	36.8970929216499	
69	201753	84118.85867307335	796537.3170250766	39.5664776034555	-100.4963893	71128.39352117165	479604.20408476	2811.281855779237	2657.9129282836396	2619.3595131667757	37.3727401743089	36.8970929216499	36.8970929216499	
69	201754	84348.85867307335	796537.3170250766	39.5664711541294	-100.4930359	71129.39352117165	479604.20408476	2811.281855779237	2657.9129282836396	2619.3595131667757	37.3727401743089	36.8970929216499	36.8970929216499	
69	201755	87098.85867307335	796537.3170250766	39.5664562127186	-100.4907206	719180.320	479592.224414775	2806.74800396799	2651.124410040509	2612.90382686816	2613.4357040232487	38.220527371892786	37.6903801700807	
69	201756	87758.85867307335	796537.3170250766	39.5664592121269	-100.4883812	72121.29861742355	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
69	201757	88418.85867307335	796537.3170250766	39.5664531943292	-100.4860418	72322.3217434326	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
69	201758	89078.85867307335	796537.3170250766	39.5664471173447	-100.4837205	72523.24433196006	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
69	201759	89738.85867307335	796537.3170250766	39.5664499516744	-100.4813631	72734.2248077822	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201760	90398.85867307335	796537.3170250766	39.5664437277816	-100.4790237	72935.199620126	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201761	91058.85867307335	796537.3170250766	39.56642815236605	-100.4766844	73138.149068515	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201762	91718.85867307335	796537.3170250766	39.56642235748283	-100.474345	73333.174996525	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201763	92378.85867307335	796537.3170250766	39.56641054536804	-100.4720057	73538.124697126	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201764	93038.85867307335	796537.3170250766	39.5664076339857	-100.4696663	73739.09036713986	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201765	93698.85867307335	796537.3170250766	39.5664033106815	-100.4673269	73940.079164999	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201766	94348.85867307335	796537.3170250766	39.5663987454465	-100.4649876	74141.048350235	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201767	95018.85867307335	796537.3170250766	39.56639305963075	-100.4626482	74342.0543503525	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201768	95678.85867307335	796537.3170250766	39.5663891923756	-100.4603088	74542.9684230567	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
70	201769	96338.85867307335	796537.3170250766	39.56637728746242	-100.4579895	74743.079214195	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201770	96998.85867307335	796537.3170250766	39.5663706853337	-100.4556301	74944.9449	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201771	97658.85867307335	796537.3170250766	39.56636040049954	-100.4532098	75145.9187	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201772	98318.85867307335	796537.3170250766	39.56635294374465	-100.4509814	75346.8924031564	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201773	98978.85867307335	796537.3170250766	39.5663459539568	-100.4486812	75547.8209781959	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201774	99638.85867307335	796537.3170250766	39.566338419537	-100.4463833	75748.84924031564	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201775	100298.85867307335	796537.3170250766	39.5663308819537	-100.4440933	75949.818243401	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201776	100958.85867307335	796537.3170250766	39.5663230811216	-100.4417932	76150.7861609734	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201777	101678.85867307335	796537.3170250766	39.5663160871284216	-100.4395256	76351.7592796051	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201778	102398.85867307335	796537.3170250766	39.56630905216425	-100.4372459	76552.78206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201779	103118.85867307335	796537.3170250766	39.56630202616425	-100.4349612	76753.79206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201780	103838.85867307335	796537.3170250766	39.5662950002616425	-100.4326765	76954.80206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201781	104558.85867307335	796537.3170250766	39.5662879923784	-100.4303815	77155.81206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201782	105278.85867307335	796537.3170250766	39.566280923784	-100.4280863	77356.82206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201783	105998.85867307335	796537.3170250766	39.56627391284216	-100.4257958	77557.83206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201784	106718.85867307335	796537.3170250766	39.566266911287	-100.4235053	77758.84206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201785	107438.85867307335	796537.3170250766	39.566259911287	-100.4212148	77959.85206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201786	108158.85867307335	796537.3170250766	39.566252911287	-100.4189241	78160.86206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201787	108878.85867307335	796537.3170250766	39.566245911287	-100.4166334	78361.87206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201788	109598.85867307335	796537.3170250766	39.566238911287	-100.4143427	78562.88206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201789	110318.85867307335	796537.3170250766	39.566231911287	-100.4120520	78763.89206732	479598.232	2804.548387166209	2649.81960459173	2610.527640402544	2611.0964153258857	39.2919641880747	38.7231892386723	
71	201790	111038.85867307335	796537.3170250766	39.566224911287										

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogK.ft	SatHtBothK.ft
71	281	32721	-324741.1413	771971.3170250766	39.553021071304874	-101.9504716	246483.46207918623	4382327.361270377	3735.0583937474784	3552.885800431464	3449.936481	3449.450014571073	102.6409949406902	103.135524960391
72	281	32722	-324081.1413	771971.3170250766	39.5532342996633	-101.9481325	246864.5538053527	4382323.2327448	3730.5876145095062	3551.011821117972	3431.2461724505233	3427.963566722103	119.76350264396695	123.05765243968695
73	281	32723	-323421.1413	771971.3170250766	39.55337676370001	-101.9317588	246865.5453262082	4382294.103252007	3728.1168829145336	3549.4245417815788	3435.845277390134	3441.732708442696	113.57916041089814	115.8087122722912
74	281	32724	-322761.1413	771971.3170250766	39.5533677198397	-101.9434543	247066.73781214	4382174.94080094	3547.646124053561	3547.84421411892	3437.98174100556495	3437.987872243089	108.3465032304561	109.8403717808329
75	281	32725	-322101.1413	771971.3170250766	39.5532898	-101.9411152	247297.8273773229	4382130.84659849	3722.344743486057	3546.225802038717	3441.778627657841	3444.8411957053423	104.4771438087628	105.381605337486
76	281	32726	-321441.1413	771971.3170250766	39.55331183	-101.9387761	247498.9185594326	4382306.71858472	3728.242175821268	3544.6195009006454	3442.995265687638	3444.842745081281	102.62387240300718	102.1957510093254
77	281	32727	-320781.1413	771971.3170250766	39.5533381570745	-101.936347	247700.900530512	4382302.9506778965	3734.1007712	3543.0119534013356	3443.327640481886	3438.322099187386	99.68431292014935	100.0737324
78	281	32728	-320121.1413	771971.3170250766	39.5533557529574	-101.9340879	247911.0939615875	4382309.693817774	3738.97569770192	3544.052995680253	3442.8601726040136	3442.5351167199058	95.4541235363946	98.87018274
79	281	32729	-319461.1413	771971.3170250766	39.55337676370001	-101.9317588	248102.1898985495	4382284.37548691	3743.12166814471	3539.8097862841278	3441.202597311134	3441.732708442696	97.83211410741451	98.068168411696
80	281	32730	-318801.1413	771971.3170250766	39.553399504520226	-101.9294197	248303.2719620892	4382290.20835844	3743.57310288566	3538.19978188083	3441.3509091664823	3440.75324291207	96.84580912230205	97.5204558758959
81	281	32731	-318141.1413	771971.3170250766	39.5534211055641	-101.9270808	248494.3686950518	4382296.08136029	3743.95208202692	3536.6053576251062	3439.782934956214	3439.4052229989242	97.19973451164708	97.8395714614708
82	281	32732	-317481.1413	771971.3170250766	39.55344307	-101.9247415	248705.4579750876	4382281.954516295	3744.376047097584	3535.0225708250546	3438.51628814391	3438.176668096262	96.4709420106375	96.84502778978906
83	281	32733	-316821.1413	771971.3170250766	39.55346478747623	-101.9224023	248906.5470065703	4382277.82026345	3746.61460238144	3533.452155306316	3437.1851690717837	3436.842146467263	96.2686823434963	96.6100884
84	281	32734	-316161.1413	771971.3170250766	39.55348645795966	-101.9200632	249107.6357891707	4382273.701680609	3750.694721779284	3531.8940605957673	3435.693434083309	3435.693569296649	96.2006631436708	96.5334370102773
85	281	32735	-315501.1413	771971.3170250766	39.55350808325923	-101.9172241	249308.72452411198	4382271.95958892	3754.749404305935	3530.34489224719843	3434.091227246416	3433.58478	95.2588522566846	96.7601427157411
86	281	32736	-314841.1413	771971.3170250766	39.5535296	-101.915385	249509.8126178154	4382255.408721109	3758.851106890007	3528.80480466547	3432.24014493902	3431.858314859366	95.5648507052653	96.4260223564238
87	281	32737	-314181.1413	771971.3170250766	39.5535519383052	-101.9130459	249710.905811252	4382241.33965708	3759.064025924484	3527.274900070885	3430.3691257534324	3429.943273766746	96.90406425638069	97.3702712309389
88	281	32738	-313521.1413	771971.3170250766	39.55357268085137	-101.9107067	249911.98844235007	4382257.19396785	3759.529922138564	3525.731407505413	3428.694182661924	3428.961986379622	97.55690624315903	97.55690624315903
89	281	32739	-312861.1413	771971.3170250766	39.553594132613284	-101.9083676	250113.0758974607	4382253.073403478	3761.271363852187	3524.2404835	3427.287478139459	3426.863484538981	97.556368401512	97.57018644152921
90	281	32740	-312201.1413	771971.3170250766	39.5536151399074	-101.9060285	250314.163284685	4382249.94828748	3765.01845256809	3522.736441636981	3426.427603618172	3426.2864307376713	96.30938127700812	96.49499176294048
91	281	32741	-311541.1413	771971.3170250766	39.55363988618368	-101.9036894	250515.20533536693	4382243.84293821	3768.068655142926	3521.37393564408	3425.769970472329	3425.6105346113755	95.46742314	95.22184995303269
92	281	32742	-310881.1413	771971.3170250766	39.55365819519209	-101.9013052	250716.3371917338	4382240.69	3768.82481112649	3519.743714	3425.0577776805564	3425.42264271340426	94.6859368025343	94.76014751807749
93	281	32743	-310221.1413	771971.3170250766	39.55367976370001	-101.8989232	250931.5269494987	4382237.97807784	3772.2637695584	3518.28763288959	3424.963274118284	3425.2461547118284	94.313020137388	94.313020137388
94	281	32744	-309561.1413	771971.3170250766	39.55370057765507	-101.896672	251118.5100072547	4382232.450431096	3774.35571260307	3516.773971470235	3422.458363837667	3422.458145685817	93.3133330306867	93.15956488281184
95	281	32745	-308901.1413	771971.3170250766	39.553721851105958	-101.8943238	251319.5960724868	4382231.652317523	3774.48809976806	3515.297925430468	3422.238398783706	3422.399275724006	93.0595266298271	92.8869476046158
96	281	32746	-308241.1413	771971.3170250766	39.55374297937935	-101.891937	251520.68199137	4382224.20262426	3774.1066202926254	3513.82650803865	3420.829208043266	3425.741298303266	92.9944400043842	93.0595266298271
97	281	32747	-307581.1413	771971.3170250766	39.55376406246442	-101.8895546	251721.7674469537	4382219.9301325	3774.12732082844	3512.366092363043	3419.613410622646	3425.526881158195	92.7586801365475	92.8869476046158
98	281	32748	-306921.1413	771971.3170250766	39.55378510030468	-101.8873154	251922.852796905	4382215.96	3774.34084041359643	3510.91910216502603	3417.95837813424	3423.1311677603508	92.9173407379631	92.77914489046652
99	281	32749	-306261.1413	771971.3170250766	39.55380630089105	-101.884973	252123.8378787178	4382211.95958892	3778.28763288959	3509.469326781926	3416.214797569696	3421.62881258107	92.83135143683193	92.83135143683193
100	281	32750	-305601.1413	771971.3170250766	39.5538276370001	-101.882673	252337.710254112	4382217.1344195	3778.55343113385484	3507.911713385484	3415.334119385484	3415.334119385484	92.719327715356	92.719327715356
101	281	32751	-304941.1413	771971.3170250766	39.55384794	-101.880298	252526.1073601605	4382215.58766253	3778.784922785405	3506.8519891919783	3413.04156120804	3413.04156120804	92.6137357679282	92.6137357679282
102	281	32752	-304281.1413	771971.3170250766	39.5538688001689	-101.8778968	252727.1916543057	4382199.465291073	3779.035530034713	3505.159018396514	3411.159374389514	3412.292142156456	93.99964403714625	92.8656782711942
103	281	32753	-303621.1413	771971.3170250766	39.55388961209267	-101.8756197	252928.2758171182	4382195.34139862	3779.05623839	3503.74525439359	3409.256663116754	3410.635532402672	93.99964403714625	93.11202003862677
104	281	32754	-302961.1413	771971.3170250766	39.55391037888334	-101.8732086	253129.35961765033	4382191.22108915	3779.347405863637	3502.347405866907	3407.578156499195	3407.578156499195	93.05407892751327	93.05407892751327
105	281	32755	-302301.1413	771971.3170250766	39.55393110408894	-101.8709415	253330.44233271258	4382187.09498225	3779.63787835246	3500.959002471122	3405.630155112694	3407.616261142623	93.2884673584249	93.3427409048889
106	281	32756	-301641.1413	771971.3170250766	39.55395216959415	-101.868673	253542.164582627	4382183.97498717	3779.9287692854	3500.8115413958	3404.719845179814	3406.241754118284	93.7985457189418	93.7985457189418
107	281	32757	-300981.1413	771971.3170250766	39.55397240814742	-101.8662632	253732.6097329268	4382178.658737583	3779.415152824178349	3498.215067824877	3401.7588097844887	3401.7588097844887	93.0595266298271	93.0595266298271
108	281	32758	-300321.1413	771971.3170250766	39.5539929419486	-101.863924	253933.69261770294	4382174.73568717	3779.9107741794065	3496.89125766111	3399.700169	3401.7588097844887	93.0595266298271	93.0595266298271
109	281	32759	-299661.1413	771971.3170250766	39.55401353056977	-101.8615849	254134.7752529212	4382170.615	3779.78012594062	3495.514464	3397.5823598685235	3403.2799144018104	92.7586801365475	92.7586801365475
110	281	32760	-299001.1413	771971.3170250766	39.5540340073939	-101.8592457	254335.8576577529	4382166.94248361	3779.562547071863	3494.1809963247556	3395.414951570393	3402.7529056876583	93.99964403714625	93.11202003862677
111	281	32761	-298341.1413	771971.3170250766	39.554054481233706	-101.8569065	254536.9389135058	4382162.73895056	3779.600937841977	3492.859632343096	3393.165882169126	3401.4945111045126	93.99964403714625	93.11202003862677
112	281	32762	-297681.1413	771971.3170250766	39.5540748564267	-101.8545474	254730.02172685328	4382158.104923546	3779.63787835246	3500.959002471122	3405.630155112694	3407.616261142623	93.2884673584249	93.3427409048889
113	281	32763	-297021.1413	771971.3170250766	39.55409582466627	-101.8521919	254932.164582627	4382154.73568717	3779.9287692854	3500.8115413958	3404.719845179814	3406.241754118284	93.7985457189418	93.7985457189418
114	281	32764	-296361.1413	771971.3170250766	39.55411585	-101.8498911	255100.148426146	4382150.01402345	3779.678139419477	3498.958039150526	3398.958039150526	3401.7588097844887	93.0595266298271	93.0595266298271
115	281	32765	-295701.1413	771971.3170250766	39									

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.	WBrElevLogKrg.	SatHtLogKrg.	SatHtBoth.
197	2017	20397	-241581.1413	77197.171720250766	39.5556441401141114	-101.65557347	271829.11977727816	3381808.843390943	3561.5142182326717	3359.219152599527	3250.2759853133066	3251.377776407878	14.841371761914903
198	2017	20398	-240021.1413	77197.171720250766	39.55566070063233	-101.6533995	272030.181599304	3381804.7421133	3559.35305160587	3394.2254371651025	3349.225914130943	3244.9956222008196	14.841371933669476
199	2017	20399	-240021.1413	77197.171720250766	39.555677174676154	-101.6516625	272321.24319773074	3381800.641992933	3558.8269024966527	3393.200133809183	3348.230256819555	14.841371933669476	14.841371933669476
200	2017	20400	-239601.1413	77197.171720250766	39.5556306352947	-101.648717	273422.3045711866	3381756.70237331	3553.93912733048	3392.1416085843	3349.024485815588	14.841371933669476	14.841371933669476
201	2017	20401	-238841.1413	77197.171720250766	39.55570998719531	-101.6463777	272633.36572002233	3381792.43963518	3551.050417633136	3391.0516055289622	3346.4774032156315	14.841371933669476	14.841371933669476
202	2017	20402	-238281.1413	77197.171720250766	39.5557263568071	-101.6440384	272834.32674553196	3381784.23967157	3548.161491151688	3390.928978144736	3345.585032806813	14.841371933669476	14.841371933669476
203	2017	20403	-237621.1413	77197.171720250766	39.5557421896904	-101.6416992	273035.4874468885	3381758.31291511	3548.704397194447	3387.742032942065	3344.928680760428	14.841371933669476	14.841371933669476
204	2017	20404	-236961.1413	77197.171720250766	39.555758867069514	-101.6393599	273236.5479246023	3381780.139188003	3552.67029654464	3387.587548891245	3343.955949443436	14.841371933669476	14.841371933669476
205	2017	20405	-236301.1413	77197.171720250766	39.55577916591899	-101.6370266	273437.608178386	3381776.039466181	3558.07302137272	3386.369021253075	3342.6337047896977	14.841371933669476	14.841371933669476
206	2017	20406	-235641.1413	77197.171720250766	39.55579122773035	-101.6346814	273639.6682104048	3381771.93963538	3560.62387960605	3385.119423531135	3340.975420311176	14.841371933669476	14.841371933669476
207	2017	20407	-234981.1413	77197.171720250766	39.555807302437955	-101.6323241	273839.72801815136	3381764.068065671	3561.41189349452	3383.9337584578	3339.1036483133303	14.841371933669476	14.841371933669476
208	2017	20408	-234321.1413	77197.171720250766	39.55582347537375	-101.6300028	274040.7760345746	3381763.74167109	3560.028631350976	3382.53091214155	3326.948834985504	14.841371933669476	14.841371933669476
209	2017	20409	-233661.1413	77197.171720250766	39.55583942974003	-101.6276638	274241.8486961728	3381759.624773109	3556.59431370063	3381.927495938123	3325.0402788337924	14.841371933669476	14.841371933669476
210	2017	20410	-233001.1413	77197.171720250766	39.55585406707906	-101.6253243	274442.9061056023	3381755.544148607	3554.185751530237	3379.8283779171115	3323.215323919915	14.841371933669476	14.841371933669476
211	2017	20411	-232341.1413	77197.171720250766	39.5558713384989	-101.622985	274643.9650246524	3381751.458	3554.0446964760	3379.485697243557	3321.4831344867907	14.841371933669476	14.841371933669476
212	2017	20412	-231681.1413	77197.171720250766	39.55589716591899	-101.6206458	274845.027320874	3381747.54758021	3557.33904675098	3377.022549	3320.83640203096	14.841371933669476	14.841371933669476
213	2017	20413	-231021.1413	77197.171720250766	39.55590306647854	-101.6183065	275046.1082195307	3381743.25	3560.27198289125	3375.580218508429	3328.26237843666	14.841371933669476	14.841371933669476
214	2017	20414	-230361.1413	77197.171720250766	39.5559188269099	-101.6159672	275247.0424808096	3381735.1845272	3563.19581090916	3374.116613175454	3326.747705028196	14.841371933669476	14.841371933669476
215	2017	20415	-229701.1413	77197.171720250766	39.5559361371447	-101.6136279	275448.19847851726	3381730.054318066	3565.065551075	3372.671617150272	3325.28172233657	14.841371933669476	14.841371933669476
216	2017	20416	-229041.1413	77197.171720250766	39.55595301954904	-101.6112887	275649.2562899104	3381730.95701033	3560.7719277657	3371.095162482144	3323.856314780414	14.841371933669476	14.841371933669476
217	2017	20417	-228381.1413	77197.171720250766	39.55596890194586	-101.6089494	275850.3137830956	3381726.8939056	3568.18327000595	3369.548949159244	3322.467019	14.841371933669476	14.841371933669476
218	2017	20418	-227721.1413	77197.171720250766	39.555985156551104	-101.6066107	276051.3712479635	3381722.76350351	3556.59472775592	3367.971642841917	3321.128962	14.841371933669476	14.841371933669476
219	2017	20419	-227061.1413	77197.171720250766	39.55599716591899	-101.604278	276256.428639517	3381718.4280237	3560.821629740413	3362.957377684264	3320.24659811293	14.841371933669476	14.841371933669476
220	2017	20420	-226401.1413	77197.171720250766	39.5560126909695	-101.6018136	276453.455328897	3381714.56937458	3553.6118299055434	3364.7333	3321.329195557595	14.841371933669476	14.841371933669476
221	2017	20421	-225741.1413	77197.171720250766	39.55602817088621	-101.5995923	276654.5420315644	3381710.47367261	3553.1578305967905	3363.06625	3320.852780330476	14.841371933669476	14.841371933669476
222	2017	20422	-225081.1413	77197.171720250766	39.55604365058633	-101.597253	276855.5981932805	3381706.3771458	3552.693914984676	3361.364540527737	3321.552657174253	14.841371933669476	14.841371933669476
223	2017	20423	-224421.1413	77197.171720250766	39.556058995097274	-101.5949137	277056.6548784356	3381702.281999358	3551.63113350533	3359.634858989846	3321.292696	14.841371933669476	14.841371933669476
224	2017	20424	-223761.1413	77197.171720250766	39.55607433941902	-101.5925744	277257.1703539364	3381698.18644996	3549.96434988237	3357.872582679434	3321.483257272732	14.841371933669476	14.841371933669476
225	2017	20425	-223101.1413	77197.171720250766	39.55609716591899	-101.5902613	277458.7666519174	3381694.1280237	3548.2978959352117	3352.9539811293	3320.24659811293	14.841371933669476	14.841371933669476
226	2017	20426	-222441.1413	77197.171720250766	39.55611408949475	-101.5878959	277659.20542927156	3381689.9900009	3547.633527164	3351.024077830408	3320.71275715708	14.841371933669476	14.841371933669476
227	2017	20427	-221781.1413	77197.171720250766	39.55612011248716	-101.5855566	277860.8776663077	3381685.901105552	3543.38005464188	3352.421270277435	3320.727080927635	14.841371933669476	14.841371933669476
228	2017	20428	-221121.1413	77197.171720250766	39.5561352648133	-101.5832173	278061.9328392383	3381681.806430348	3548.545821762205	3348.792260770774	3319.088200747134	14.841371933669476	14.841371933669476
229	2017	20429	-220461.1413	77197.171720250766	39.55615038	-101.580878	278262.987393677	3381677.71974665	3533.71050791913	3348.690580826434	3319.645711588209	14.841371933669476	14.841371933669476
230	2017	20430	-219801.1413	77197.171720250766	39.556165456374515	-101.5785387	278464.0425292295	3381673.67378224	3328.87354545286	3346.76048	3320.63866071014	14.841371933669476	14.841371933669476
231	2017	20431	-219141.1413	77197.171720250766	39.55618048	-101.5761994	278665.9074070299	3381669.53271104	3327.0847774259802	3344328584137944	3320.44389801261	14.841371933669476	14.841371933669476
232	2017	20432	-218481.1413	77197.171720250766	39.55619546710963	-101.5738691	278866.151345974	3381664.4280237	3326.831629740413	3342.88777684	3320.44389801261	14.841371933669476	14.841371933669476
233	2017	20433	-217821.1413	77197.171720250766	39.556210047495614	-101.5715208	279067.20542927156	3381662.33484802	3327.0847774259802	3341.930182571134	3320.232087271234	14.841371933669476	14.841371933669476
234	2017	20434	-217161.1413	77197.171720250766	39.5562259722371	-101.5691815	279268.259941235	3381657.24985068	3513.32354854466	3338.96485210474	3319.35272735402	14.841371933669476	14.841371933669476
235	2017	20435	-216501.1413	77197.171720250766	39.55624014446225	-101.5668422	279469.312941738	3381653.14952705	3512.7664521855	3336.998734610917	3319.5742938602515	14.841371933669476	14.841371933669476
236	2017	20436	-215841.1413	77197.171720250766	39.55625496511274	-101.564503	279670.363723239	3381649.06528057	3512.361759804476	3335.054648487204	3319.034026288376	14.841371933669476	14.841371933669476
237	2017	20437	-215181.1413	77197.171720250766	39.5562697370695	-101.5621367	279871.914968081	3381644.96423747	3512.96790790145	3333.1566539802325	3318.8472138309053	14.841371933669476	14.841371933669476
238	2017	20438	-214521.1413	77197.171720250766	39.5562844	-101.5598244	280072.472583241	3381640.87174176	3515.37247778136	3331.967198647034	3318.595077741179	14.841371933669476	14.841371933669476
239	2017	20439	-213861.1413	77197.171720250766	39.55629916591899	-101.5574949	280273.608178386	3381636.179	3515.37247778136	3331.967198647034	3318.595077741179	14.841371933669476	14.841371933669476
240	2017	20440	-213201.1413	77197.171720250766	39.556313702811195	-101.5551458	280474.572824643	3381632.68733157	3507.68174902907	3328.18031033953	3317.465120740717	14.841371933669476	14.841371933669476
241	2017	20441	-212541.1413	77197.171720250766	39.5563287891202	-101.5528065	280675.6302769305	3381628.9561102	3503.5523153974023	3326.643899539404	3317.465120740717	14.841371933669476	14.841371933669476
242	2017	20442	-211881.1413	77197.171720250766	39.55634281	-101.5504672	280876.6824096954	3381624.50040944	3509.42446349084	3325.158464528474	3317.465120740717	14.841371933669476	14.841371933669476
243	2017	20443	-211221.1413	77197.171720250766	39.55635729554444	-101.5481279	281077.7343268291	3381620.413	3497.065387728996	3323.61035549275	3316.64351138519	14.841371933669476	14.841371933669476
244	2017	20444											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKgt	BR/ElevBothKgt	SatHtBoth	
321	281	75723	-158421.1413	7719717.3170250766	39.557369736156126	-111.3690809	297161.2076197081	31423.93811	3382.929117039387	3195.984634090925	3095.0463197711733	3085.4876901657453	101.9383146973596	110.4999442343712
324	281	75724	-157761.1413	7719717.3170250766	39.55736051422625	-111.3698416	297362.2427570384	31481.299173742051	3381.391860009991	3194.842501166052	3093.7037495676331	3082.997172340393	101.13875158972087	111.8454393295665
325	281	75725	-157101.1413	7719717.3170250766	39.557361314467784	-111.3630922	297853.6642897196	31485.8546498181	3382.862786146526	3193.863272689398	3094.1962316301513	3081.4899445070131	111.57375937002468	111.4083577002968
326	281	75726	-156441.1413	7719717.3170250766	39.55740207638094	-111.3532688	297674.3138408987	31481.591072368	3381.375068510991	3192.506827525598	3090.518256289653	3077.071324590905	101.9885712365558	115.4360526526441
327	281	75727	-155781.1413	7719717.3170250766	39.557412766072325	-111.3516235	297965.3468068025	31482.7751807348	3376.555126811294	3191.3113831453282	3088.671517314827	3073.98247489173521	102.63866610051552	117.3538367960715
328	281	75728	-155121.1413	7719717.3170250766	39.55743105175193	-111.3492841	298166.3813251855	31483.26145209001	3377.106717111463	3190.07698887327	3086.6409626699206	3070.941128515913	102.637721731626	119.1561631687815
329	281	75729	-154461.1413	7719717.3170250766	39.55743040979664	-111.3469447	298367.541747180375	31489.2629737413	3372.58589490738	3188.86592079575	3084.623698749772	3068.686488185053	104.23655104598265	120.1794397707193
330	281	75730	-153801.1413	7719717.3170250766	39.557444563995574	-111.3446053	298568.449420742	31491269.3091882	3370.609041508405	3187.65270372197	3081.998781163393	3067.44239533326	102.7174805988043	120.17370422669
331	281	75731	-153141.1413	7719717.3170250766	39.55745507292462	-111.342266	298769.4832721406	31491253.2826122	3368.962780146526	3186.348831704685	3079.04472853242	3065.208177504385	102.7047581803265	119.14083577002968
332	281	75732	-152481.1413	7719717.3170250766	39.55746553656355	-111.3396256	298970.5162653382	31491257.15630927	3367.731156402487	3185.624658248714	3075.960719348596	3068.591071387603	105.10265178271	116.47261313728585
333	281	75733	-151821.1413	7719717.3170250766	39.557479585197155	-111.3375872	299171.5501834756	31492683.6462615	3366.480331465515	3183.760776289625	3072.4265713802308	3070.8808171593163	111.3112049093947	112.7279590330078
334	281	75734	-151161.1413	7719717.3170250766	39.55748632854453	-111.3352479	299327.5834375615	3149249.01206119	3365.229164651080	3182.43751929594	3074.616131140758	3075.26358085139	107.8214007883594	117.1594384445515
335	281	75735	-150501.1413	7719717.3170250766	39.557491865670177	-111.3329085	299573.760073883	31482444.91465494	3363.8812544080624	3181.09356387729	3076.3170044177647	3076.3170044177647	104.713935559696417	104.713935559696417
336	281	75736	-149841.1413	7719717.3170250766	39.5575093666113	-111.3305691	299774.649074575	3148240.97025372	3362.444024399075	3179.7292291794297	3076.65519109406	3075.73151059406	107.7373028018147	103.9960712002387
337	281	75737	-149181.1413	7719717.3170250766	39.55751717743805	-111.3282297	299975.58165452418	3148236.80011752	3360.93393399992	3178.6124748483683	3076.723451450835	3074.983307677977	101.6237407773144	106.5814418058675
338	281	75738	-148521.1413	7719717.3170250766	39.557527307001887	-111.3258803	300176.7140204415	3148232.72981823	3359.556263849966	3176.943205089234	3076.146582130854	3073.83408639067	107.7966795737603	103.1091636976755
339	281	75739	-147861.1413	7719717.3170250766	39.55753751740721	-111.323551	300378.741890537	3148226.659142978	3358.4160627851984	3175.523839416395	3076.5590524137023	3073.0996945504736	99.8647870289254	102.4244162321214
340	281	75740	-147201.1413	7719717.3170250766	39.55754719603504	-111.3212116	300577.7781933006	3148225.58898508	3357.57780956758	3174.067820837327	3074.8640247664375	3072.9279611728952	104.5057204002122	104.5057204002122
341	281	75741	-146541.1413	7719717.3170250766	39.55755767660769	-111.3188722	300779.8098710565	3148220.51904701	3356.739556344031	3172.636225738784	3074.0701842003637	3068.68892409576	98.96601153824025	103.9373239226248
342	281	75742	-145881.1413	7719717.3170250766	39.55756768841986	-111.3165328	300980.8415639041	3148216.449326862	3355.901331327276	3171.1704542056277	3073.258323974909	3069.71843416857	97.91213023	103.2520177887709
343	281	75743	-145221.1413	7719717.3170250766	39.5575776550397	-111.3141935	301181.8729617434	3148212.73982508	3355.33091464567	3169.693890940494	3068.971579172786	3067.2969071500105	102.7762592130701	102.7762592130701
344	281	75744	-144561.1413	7719717.3170250766	39.55758757646777	-111.3118541	301382.9041647906	31482108.251041718	3355.053697446508	3168.209591940334	3071.4748895555	3066.275084422436	102.7374034427832	101.9340402788601
345	281	75745	-143901.1413	7719717.3170250766	39.55759745230352	-111.3095147	301592.831478243	31482034.1478243	3354.711752	3167.305181483271	3071.4748895555	3066.275084422436	102.7374034427832	101.9340402788601
346	281	75746	-143241.1413	7719717.3170250766	39.557607283747124	-111.3071753	301764.9558710106	31482100.12603319	3354.4823920112394	3165.72315416776	3068.429375381225	3065.2952526414	102.7374034427832	101.9340402788601
347	281	75747	-142581.1413	7719717.3170250766	39.55761706958854	-111.3048359	301985.9968719808	31482196.10200254	3353.284771400055	3163.752437602224	3068.266455092563	3064.70458049383	95.48897966	99.40785067
348	281	75748	-141921.1413	7719717.3170250766	39.557626810257766	-111.3024965	302187.0270311255	31482196.53562901	3351.175203131263	3162.286403375071	3066.952340404167	3064.07235910319	95.3336362435504	98.20816744
349	281	75749	-141261.1413	7719717.3170250766	39.557636805724744	-111.3001572	302388.05726525746	31482187.967401349	3348.065628120264	3160.83183728864	3065.52264995058	3064.957477373564	95.3103378	95.87549399211812
350	281	75750	-140601.1413	7719717.3170250766	39.557646155999485	-111.2978178	302589.0873038374	31482183.8994284915	3346.950531703233	3159.3911816917234	3063.803732720967	3063.584246798787	95.5818489642672	95.80634948293962
351	281	75751	-139941.1413	7719717.3170250766	39.55765651081986	-111.2954866	302790.171468055	31482183.8994284915	3346.950531703233	3159.3911816917234	3063.803732720967	3063.584246798787	95.5818489642672	95.80634948293962
352	281	75752	-139281.1413	7719717.3170250766	39.55771213724725	-111.293139	302991.146801141	31482181.76113739	3344.711752	3159.3911816917234	3063.803732720967	3063.584246798787	95.5818489642672	95.80634948293962
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354	281	75754	-137961.1413	7719717.3170250766	39.55778305317575	-111.2884602	303393.2052662693	31482167.629708695	3343.135002374047	3154.274833121156	3065.1745180384023	3065.144503788552	100.10392127371324	100.10392127371324
355	281	75755	-137301.1413	7719717.3170250766	39.55789372489046	-111.2861208	303594.2346005201	31482163.562839875	3342.2754185257345	3153.31907302596	3065.1745180384023	3065.144503788552	100.10392127371324	100.10392127371324
356	281	75756	-136641.1413	7719717.3170250766	39.5577031086094	-111.2837814	303795.2634820489	31482159.46177223	3341.346612	3152.353274529586	3065.08154535505	3065.08154535505	99.26738271048453	99.26738271048453
357	281	75757	-135981.1413	7719717.3170250766	39.557771242538545	-111.2814241	303996.292714568	31482155.42932517	3340.417804990566	3151.395257247326	3063.408409094643	3063.408409094643	99.26738271048453	99.26738271048453
358	281	75758	-135321.1413	7719717.3170250766	39.55772173124725	-111.2791027	304197.320695819	31482151.36350637	3339.458282946735	3150.43154485212	3071.4748895555	3066.275084422436	102.7374034427832	101.9340402788601
359	281	75759	-134661.1413	7719717.3170250766	39.5577309	-111.2767633	304388.3489747296	31482147.29748293	3338.4696081859	3149.465859830725	3060.082221734675	3061.441864102093	99.3833765727246	104.0226968206956
360	281	75760	-134001.1413	7719717.3170250766	39.55774013168564	-111.2744239	304599.3708900564	31482143.23170945	3337.361102170555	3148.49104064745	3060.626091780004	3063.498144477876	99.646786774458	104.0226968206956
361	281	75761	-133341.1413	7719717.3170250766	39.55774932632878	-111.2720845	304800.450119844	31482139.16613891	3337.966515722564	3147.50919548767713	3047.03322396799	3043.015593862979	99.4075147997249	104.0226968206956
362	281	75762	-132681.1413	7719717.3170250766	39.55775843295245	-111.2697451	305001.4237438077	31482131.10076184	3337.547679274516	3146.52013681439	3045.49960445662	3045.921572368675	101.0241632378291	105.683711274616
363	281	75763	-132021.1413	7719717.3170250766	39.55776748706923	-111.2674057	305202.4602848687	31482131.05617425	3336.938234871243	3145.53282757278	3045.990191976328	3045.921572368675	101.0241632378291	105.683711274616
364	281	75764	-131361.1413	7719717.3170250766	39.557776451238545	-111.2650663	305403.4837518455	31482126.9703558	3336.674077701368	3144.520030205094	3044.480242709694	3043.732432351267	102.0406874012596	107.4867087996719
365	281	75765	-130701.1413	7719717.3170250766	39.55778547879048	-111.262718	305604.514768279	31482122.9496279	3336.42496231624	3143.5142813988682	3043.732432351267	3045.921572368675	101.0241632378291	105.683711274616
366	281	75766	-130041.1413	7719717.3170250766	39.55779441243622	-111.260375	305805.541764599	31482118.81589095	3336.424					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.ft	SatHtKgr.f	SatHtBoth.ft
449	281	70649	-75201.14133	77197.3170250766	39.5583772888594	-101.0662161	322490.1374837083	4380782.498286119	3187.700405715474	3034.3558358575467	2957.934069983824	2956.814564	76.54217833772268	75.74128955937655
450	281	70650	-74601.14133	77197.3170250766	39.5583625985756	-101.0637686	322681.1450205239	438078.204	3186.980122147079	3033.16742620301	2957.5727786642907	2955.6053700615903	75.588936931027	75.5542176
451	281	70651	-73841.14133	77197.3170250766	39.5583694563549	-101.0613572	322862.1607339839	438073.74	3187.9423967891527	3033.3623494235478	2957.287177662456	2954.6853898905294	75.60457141038985	75.022803752397
452	281	70652	-73201.14133	77197.3170250766	39.5583306621973	-101.0591978	323083.1721301576	438071.116	3184.588819401696	3030.7482051527673	2957.172355	2954.609106898406	75.5754671191737	75.037912543575
453	281	70653	-72621.14133	77197.3170250766	39.558398081610264	-101.0568683	323294.18333366217	438076.06643882	3187.234712042939	3029.5057402329325	2956.7841585794276	2954.35808423439515	75.512158165349583	75.19769788897202
454	281	70654	-71961.14133	77197.3170250766	39.5584033180712	-101.0545189	323495.18456360397	438076.021130602	3187.880047696782	3028.215211131479	2955.548469919615	2954.323252252527	75.62661471128649	75.3712878978195
455	281	70655	-71301.14133	77197.3170250766	39.5584073981024	-101.0521795	323696.20522528805	438075.976044582	3187.566817198851	3026.8602265843388	2953.488822881404	2957.045802869295	75.5733242819837	75.0956351604324
456	281	70656	-70641.14133	77197.3170250766	39.55841279661967	-101.04984	323937.2159122222	438073.93117536	3188.2393434300176	3025.4026683142416	2951.04857111803	2957.884871604462	74.39255120243843	75.6562507969589
457	281	70657	-69981.14133	77197.3170250766	39.55841761235558	-101.047606	324098.2366126906	438074.88685411	3183.1018814620403	3023.967258283374	2948.5658945324426	2953.3232915389615	75.4189170709486	75.06385939
458	281	70658	-69321.14133	77197.3170250766	39.5584223905727	-101.0451612	324299.237746561	438074.84200596	3157.746413593635	3022.4810026536	2948.215011653268	2948.423396	75.265073811777	74.0517535651627
459	281	70659	-68661.14133	77197.3170250766	39.55842704887805	-101.0428217	324500.2704849126	438074.79782283	3152.82346014151	3020.970106	2943.9891724246174	2944.699845511354	75.0890787489262	75.207015184647369
460	281	70660	-68001.14133	77197.3170250766	39.5584317832222	-101.0404823	324701.2570514785	438073.75387345	3148.269021054896	3019.4505758247474	2941.9652821423224	2942.306137988588	75.4852936824258	77.1444738315899
461	281	70661	-67341.14133	77197.3170250766	39.55843617762586	-101.0381429	324902.2668683737	438073.91092158	3147.0588265810053	3017.923386874965	2940.238238150707	2942.632761252534	77.2937849498211	77.027849498211
462	281	70662	-66681.14133	77197.3170250766	39.5584410064097	-101.0358034	325103.276547492	438072.967	3139.148143036562	3016.396964620925	2938.8732739929713	2941.8532421281448	77.5597253994764	75.5437323214705
463	281	70663	-66021.14133	77197.3170250766	39.55844549867296	-101.033464	325304.2863991912	438075.823181958	3137.51049861167	3014.8632494521903	2937.744893499445	2940.6212595071289	77.1185595927431	74.05099438
464	281	70664	-65361.14133	77197.3170250766	39.558450048122078	-101.0311245	325505.2953582804	438072.158003509	3138.795642118079	3013.324320756406	2936.89673778294	2939.99511567389	76.427551973469	73.3288071
465	281	70665	-64701.14133	77197.3170250766	39.5584550118785	-101.0287851	325706.3045069638	438077.53141615	3130.08078821433	3011.780517533397	2938.037813	2938.93789061972	77.047208827175	75.8261847342486
466	281	70666	-64041.14133	77197.3170250766	39.55845890959226	-101.0264457	325907.3134913971	438073.494447261	3141.365933823507	3010.23469963367	2934.833847607683	2937.7818075155097	75.4005840325958	75.2325991778576
467	281	70667	-63381.14133	77197.3170250766	39.55846327173709	-101.0241062	326108.3223036406	438075.491971065	3143.74469220711627	3008.6901588118662	2933.2874403406436	2935.5309331849635	75.4027784172267	73.15992256991276
468	281	70668	-62721.14133	77197.3170250766	39.55846758922109	-101.0217668	326309.306456989	438075.401	3146.3774982201003	3007.1487157409006	2931.652172568	2933.65426340609	75.51613662	73.944522830917
469	281	70669	-62061.14133	77197.3170250766	39.55847186151126	-101.0194274	326510.3394288023	438071.367670236	3142.0518566572564	3005.61285665674	2930.0079058395995	2930.156310563347	75.5605603714736	75.44934160093931
470	281	70670	-61401.14133	77197.3170250766	39.55847609	-101.0170879	326710.37472549185	4380697.255854909	3152.20418633004	3004.06273315422	2928.72130694904	2928.65896298249	75.5553235	75.3966650109321
471	281	70671	-60741.14133	77197.3170250766	39.5584814283867	-101.0147068	326913.38429867	438069.38429867	3146.0559269162528	3002.9423385411814	2927.163213987637	2927.163213987637	75.513217089637	75.3217089637
472	281	70672	-60081.14133	77197.3170250766	39.55848440721871	-101.012409	327113.3632972315	438069.24294582	3152.25327718714	3001.0398547967705	2926.0491589103853	2926.0798345679	75.405965838221	74.9596713037361
473	281	70673	-59421.14133	77197.3170250766	39.5584884873347	-101.010469	327314.3716230543	438068.201677488	3151.515655707482	2999.527602166485	2924.69528	2924.711664	74.83230448371651	74.8195862200642
474	281	70674	-58761.14133	77197.3170250766	39.558492545054335	-101.0077302	327515.379260396	438061.16072273	3150.377984	2998.023473690021	2923.324735373875	2923.324735373875	74.6987401161465	74.6991628941745
475	281	70675	-58101.14133	77197.3170250766	39.5584954618131	-101.0053907	327716.386746753	438067.119985429	3149.138378253403	2996.527480050443	2922.9997959704055	2922.9997959704055	74.6251021602203	74.4278476436379
476	281	70676	-57451.14133	77197.3170250766	39.55850052114442	-101.003013	327917.3940207759	4380673.49745452	3147.59683674201	2995.039950392753	2920.5574498680526	2920.741961612074	74.4820052	74.3250343154822
477	281	70677	-56791.14133	77197.3170250766	39.5585051285396	-101.000718	328118.4011484465	438067.93916528	3146.0559269162528	2994.05411599635	2919.78441599635	2919.78441599635	74.71078254569	74.600549011512
478	281	70678	-56131.14133	77197.3170250766	39.5585082738989	-100.9987524	328319.401108889	438064.99929824	3144.51379214928	2992.079872783618	2918.610757728109	2918.610757728109	74.7571759194932	74.7365309445582
479	281	70679	-55461.14133	77197.3170250766	39.5585120087506	-100.996033	328520.4149053127	438065.959209615	3143.5373435456813	2990.620191	2916.954848108025	2917.842481	73.6562547816536	72.7777034708042
480	281	70680	-54801.14133	77197.3170250766	39.55851587390772	-100.9936395	328721.4215329184	438066.952	3142.12606520234	2989.1589656324927	2915.8087281665853	2916.6167193733985	73.7302257469076	72.9707122585077
481	281	70681	-54141.14133	77197.3170250766	39.55851963871254	-100.9913541	328922.428	438065.880125725	3142.7014781494366	2987.73034576494	2914.395739275251	2914.476347568966	73.7065301622532	73.2265989194255
482	281	70682	-53481.14133	77197.3170250766	39.55852328640814	-100.9890146	329123.434285182	438064.84009755	3140.62584009759	2986.252404569495	2913.174400138701	2913.8041814710066	73.0784231826352	72.4486429095793
483	281	70683	-52821.14133	77197.3170250766	39.5585269821643	-100.9868752	329324.4004169186	438064.8091191087	3141.098157625873	2984.806759235476	2911.9804429747055	2912.481902073717	72.6245826	72.3248980281041
484	281	70684	-52161.14133	77197.3170250766	39.55853041283861	-100.984337	329526.4467395244	438064.763129472	3140.939573	2983.6413385411504	2910.850040926925	2911.742911645595	72.514291645595	72.2877050134005
485	281	70685	-51501.14133	77197.3170250766	39.55853407178587	-100.9819635	329726.4522	438063.7625	3141.079384305167	2981.923956761535	2909.846733172887	2909.709864991437	72.702177592181	72.2169705709616
486	281	70686	-50841.14133	77197.3170250766	39.55853755777963	-100.9796599	329927.457006985	438063.86218839	3140.50994364577	2980.48003830206	2908.806170840499	2909.174393228866	71.7329126975171	71.30145431
487	281	70687	-50181.14133	77197.3170250766	39.55854103457943	-100.9773174	330128.4632726525	438062.64893311	3132.365925082797	2979.024826328087	2908.68819732243	2909.074181	70.6300559695951	69.9508676092954
488	281	70688	-49521.14133	77197.3170250766	39.5585444818525	-100.974978	330329.4685731494	438062.641177047	3128.8792179376272	2977.5491135233847	2909.0043436020633	2909.764891809783	70.65456692	69.7442171360171
489	281	70689	-48861.14133	77197.3170250766	39.55854871659708	-100.9726385	330530.4737068304	438062.57248034	3125.4269383027	2976.03647923471	2908.852179997467	2908.852179997467	71.18429972796478	69.5544009
490	281	70690	-48201.14133	77197.3170250766	39.55855115381485	-100.9702991	330731.4786745887	4380616.355004265	3147.4659563845624	2973.42500655551	2911.2238152987317	2912.481902073717	72.6245826	72.3248980281041
491	281	70691	-47541.14133	77197.3170250766	39.55855491693696	-100.9679632	330932.46329867	438061.79	3146.0559269162528	2972.0367873282	2908.7869747382	2908.7869747382	74.71078254569	74.600549011512
492	281	70692	-46881.14133	77197.3170250766	39.55855750968575	-100.965202	331133.481276507	438060.46700443	3142.819579	2971.48597970263	2907.455125687974	2907.455125687974	74.600549011512	74.600549011512
493	281	70693	-46221.14133	77197.3170250766	39.55856038304442	-100.9632808	331334.4926052973	438060.423573681	3147.929241261333	2969.43833877558	2907.0308538084914	2907.375897248337	74.600549011512	74.600

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevSokgr.ft	SatHtLog.ft	SatHtBoth.ft
575	21777	7898.858673073351	77197.91720250766	39.58686842880789	-100.7714459	447816.3210057144	4380274.14253842	2967.768189140355	2841.179445879452	2773.467255233785	2765.051190196733	67.1686804307342	56.1279446077859	
576	21778	8558.858673073351	77197.91720250766	39.58667865372735	-100.7691065	448007.3126973535	4380270.1236973535	2846.190807211756	2840.330489717419	2772.214685768896	2764.899934864225	68.1150304872271	56.43304987119413	
577	21779	8518.858673073351	77197.91720250766	39.58667566633841	-100.7691065	448018.3040692187	4380266.1508497364	2860.613226012867	2859.4748642386715	2770.46546718762	2764.86471326481104	68.11081958	56.43304987119413	
578	21779	8518.858673073351	77197.91720250766	39.58666802784726	-100.764276	448419.25783131	4380262.68693964	2957.036005891467	2838.580958076174	2773.058926802676	2773.058926802676	69.84207612	65.49168913955555	
579	21780	10538.858673073351	77197.91720250766	39.58666503721874	-100.7620881	448620.2864039283	4380258.586816847	2952.9267012740565	2837.588959950551	2768.2814334877476	2771.8687023951516	69.3042626260339	65.71275736	
580	21780	11198.858673073351	77197.91720250766	39.58656515946484	-100.7597487	448821.2737409346	4380254.050556309	2868.4381302792054	2767.065096202535	2767.065096202535	2767.065096202535	69.3730276827563	64.63045145	
581	21781	11858.858673073351	77197.91720250766	39.58666310071358	-100.7574092	449022.286228152	4380250.03212232	2943.644286909113	2835.107019190748	2765.7969737177715	2768.136881560818	69.3746037267462	66.9926198298613	
582	21782	12518.858673073351	77197.91720250766	39.5866633536809	-100.7550698	449223.258925707	4380246.01258413	2938.003039760613	2834.84846470914	2762.743792432217	2765.7019690371	69.3031652	68.14447476337945	
583	21783	13178.858673073351	77197.91720250766	39.586665552847	-100.7527383	449424.249472956	4380241.987873443	2934.183226012867	2833.508676	2762.4564671725297	2764.103868269275	69.35884740674022	68.14447476337945	
584	21784	13838.858673073351	77197.91720250766	39.58667120444447	-100.7503939	449624.2398747773	4380237.9800878709	2932.236145833428	2831.15288386293	2762.405784918946	2763.1336836777	68.741953674969	69.891472	
585	21785	14498.858673073351	77197.91720250766	39.5866676026636	-100.7480514	449826.203131818	4380233.96400748	2929.236415248777	2829.804912682636	2761.399546204266	2758.599732022146	68.404364673697	71.2340360604906	
586	21786	15158.858673073351	77197.91720250766	39.58656914484403	-100.745712	500027.2202429684	4380229.9437338527	2919.258008641256	2828.45499508559	2760.345125807383	2755.937304780793	68.1133730112051	72.5214647776849	
587	21787	15818.858673073351	77197.91720250766	39.58658868	-100.7433725	500226.2102097487	4380225.93089301	2921.67461256708	2827.713331144696	2759.0591347486643	2756.128639711225	68.058196393474	73.08889143347474	
588	21788	16478.858673073351	77197.91720250766	39.58657578416195	-100.7410331	500429.2001318347	4380221.91466201	2914.005228112657	2825.780937112657	2757.19736158852	2757.19736158852	68.5347554410579	69.70437294	
589	21789	17138.858673073351	77197.91720250766	39.58656474112326	-100.7389638	500630.1889090904	4380217.89864334	2912.162354146114	2824.849675465051	2754.598485541671	2754.598485541671	68.8479010483029	69.8118541029607	
590	21790	17798.858673073351	77197.91720250766	39.58656231212026	-100.7363242	500831.1793431922	4380213.882835303	2910.320440430678	2823.10911087549817	2751.1284422003538	2751.8695076497866	71.8248895	71.2395111	
591	21791	18458.858673073351	77197.91720250766	39.5865639	-100.7340147	501023.1687327858	4380209.672723151	2908.004354142996	2821.768329634792	2747.354241537177	2748.305014	71.440879610184	73.46331586404216	
592	21792	19118.858673073351	77197.91720250766	39.5865270323115	-100.7316753	501233.157978587	4380205.851909618	2905.4845557504	2820.422551043207	2743.069727118995	2744.0501024711407	73.3523230241681	76.3742487195628	
593	21793	19778.858673073351	77197.91720250766	39.5865137	-100.7293358	501434.147080838	4380201.83672455	2902.874839791945	2819.071017812164	2738.64141910516	2738.64141910516	70.4295759016815	79.4693861102132	
594	21794	20438.858673073351	77197.91720250766	39.58649904473456	-100.7269964	501635.1363036994	4380197.81218323	2900.264962991348	2817.713527642735	2734.267225156785	2734.1586995104422	70.44652761	83.190531322913	
595	21795	21098.858673073351	77197.91720250766	39.5864857230333	-100.7246598	501836.124855396	4380193.807111455	2900.797847452085	2816.3494247805374	2730.306341509487	2729.050043020875	68.78062826876	87.29826046044991	
596	21796	21758.858673073351	77197.91720250766	39.58647104839008	-100.7223175	502037.1135261396	4380189.792691001	2900.474742745436	2814.976453837843	2727.63594352526	2727.63594352526	70.34051015125806	87.8403446830683	
597	21797	22418.858673073351	77197.91720250766	39.586458230851	-100.698549	502238.04020587254	4380181.321251142	2898.72365975018	2813.74274516158	2728.144684585934	2728.144684585934	68.5057897866564	88.122203546991	
598	21798	23078.858673073351	77197.91720250766	39.58644034267854	-100.7176386	502439.0940545636	4380177.75427881	2911.824543329483	2812.1939359855014	2727.9874582670236	2727.54241	82.0462772	85.6152684141141	
599	21799	23738.858673073351	77197.91720250766	39.5864234168097	-100.7152991	502640.0786905774	4380177.75427881	2912.59289280422	2810.78682848835	2728.25892848835	2728.25892848835	82.52217408498128	82.52217408498128	
600	21800	24398.858673073351	77197.91720250766	39.586407833397	-100.7129597	502841.0667935146	4380173.763789592	2913.26321512131	2809.35049709228	2728.573297482197	2729.5266632250928	80.7751673191523	79.8233834413515	
601	21801	25058.858673073351	77197.91720250766	39.5863900204764	-100.7106202	503042.0504546415	4380169.723327298	2909.971421187806	2808.901723283426	2728.762220118897	2729.273136284961	79.139314	78.6285493	
602	21802	25718.858673073351	77197.91720250766	39.5863781675394	-100.7082088	503243.04257394234	4380165.71	2912.731067130129	2806.431451674758	2728.927429	2729.46989790946	77.5040229348775	76.96146376511251	
603	21803	26378.858673073351	77197.91720250766	39.586365978765	-100.7058413	503444.0386517219	4380161.887188807	2911.48964864233	2804.8742158183188	2728.198127518323	2729.594582718033	75.8176061886879	75.8176061886879	
604	21804	27038.858673073351	77197.91720250766	39.586353903417	-100.7030919	503645.03903417	4380157.4884	2910.299293339316	2803.7111903457	2727.111903457	2729.043090474747	75.8176061886879	75.8176061886879	
605	21805	27698.858673073351	77197.91720250766	39.5863418422236	-100.7012624	503846.0501835215	4380151.67819288	2910.100191	2803.8713666912593	2728.8790120106034	2729.03515	72.8905406	72.8905406	
606	21806	28358.858673073351	77197.91720250766	39.586299456133	-100.698923	504046.9924379941	4380149.65934033	2904.9015065708	2800.304175012056	2728.931833760605	2728.6144971367497	71.3724215120037	71.868799331582	
607	21807	29018.858673073351	77197.91720250766	39.5862798116175	-100.6965835	504247.9795517473	4380145.647414925	2902.202268339303	2798.704704146988	2728.803645802107	2728.4768302415982	69.9032463	72.0258017	
608	21808	29678.858673073351	77197.91720250766	39.586259742189	-100.694241	504448.9652500913	4380141.63521132	2902.0057769195416	2797.082418115444	2728.58093877503	2728.3303372178	68.59237424	68.7493439385642	
609	21809	30338.858673073351	77197.91720250766	39.586239165334	-100.6919048	504649.953679837	4380137.62335531	2900.895485515024	2796.42805482329	2728.385888	2728.159167907399	67.940218279	67.2682858296267	
610	21810	30998.858673073351	77197.91720250766	39.5862161645089	-100.689569	504850.94020587254	4380133.121251142	2898.72365975018	2795.19944685924	2728.144684585934	2728.144684585934	68.5057897866564	88.122203546991	
611	21811	31658.858673073351	77197.91720250766	39.5861967117419	-100.6872257	505051.9265938943	4380129.601100957	2897.871075575926	2792.027300837647	2727.782321366568	2727.782321366568	64.2350488090917	64.2350488090917	
612	21812	32318.858673073351	77197.91720250766	39.5861748070334	-100.6848963	505252.91307124163	4380125.50062961	2895.004157450284	2790.281504565307	2727.32555466562	2727.32555466562	62.995490008845	62.995490008845	
613	21813	32978.858673073351	77197.91720250766	39.58615245038375	-100.6825468	505453.8992911242	4380121.57924111	2892.28976	2788.504593877	2726.714184258044	2726.8817370252937	61.7913117297626	61.7913117297626	
614	21814	33638.858673073351	77197.91720250766	39.58612964179304	-100.6802074	505654.8854	4380117.58683518	2889.550115118916	2786.69530463683	2726.3754784276503	2725.941251589806	60.342076081802	60.7054281748769	
615	21815	34298.858673073351	77197.91720250766	39.586106831261	-100.6778079	505855.87142131757	4380113.58240651	2888.027333471297	2784.68388841623	2725.713991525017	2725.647640608145	59.8127125408159	59.8127125408159	
616	21816	34958.858673073351	77197.91720250766	39.586082668787	-100.6755235	506056.8572780406	4380109.548077395	2882.244455249127	2782.98444022333	2724.363465769915	2723.967371715924	58.9316324452449	58.9316324452449	
617	21817	35618.858673073351	77197.91720250766	39.5860591645089	-100.673187	506257.8450628124	4380105.52835451	2880.72365975018	2781.249351730924	2723.4583237647	2723.4583237647	58.9316324452449	58.9316324452449	
618	21818	36278.858673073351	77197.91720250766	39.5860338801858	-100.670846	506458.8285757642	4380101.52835451	2879.131869912601	2779.74107126641	2722.78107126641	2722.78107126641	58.9316324452449	58.9316324452449	
619	21819	36938.858673073351	77197.91720250766	39.5860081987222	-100.6685102	506659.8147117686	4380097.51849607	2878.2672531515	2777.22735281186	2719.019628362957	2719.019628362957	58.9316324452449	5	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevKgs.ft	BRIElevWtKgs.ft	SatHtKgs.ft	SatHtBoth.ft
700	281	29090	9318.8586730335	77197.91730250766	39.58824152704783	-100.4766763	373140.16999595514	4379769.4274506652	796.7845039532112	2642.853452859305	2598.0524372985137	2598.875177421744	44.0110566079126	43.97836547561024
702	281	29092	9318.8586730335	77197.91730250766	39.5882526913309	-100.4734399	373341.24283693	437975.480035315	2796.12226038254	2641.466186205938	2595.779604014467	2596.477568513309	45.6862078054915	44.98859898
704	281	29093	9323.8586730335	77197.91730250766	39.5882396602487	-100.4717925	373642.11684621835	437971.48981755	2794.901921422132	2640.633897817823	2593.420911229137	2593.97359	45.63424745100847	46.088185
706	281	29094	9307.8586730335	77197.91730250766	39.588226177348	-100.4696581	373733.0932913072	437975.480452363	2793.105580118614	2638.458704903285	2590.845291111887	2591.40015579139756	47.8003738992905	47.243738992905
708	281	29095	9369.8586730335	77197.91730250766	39.58821622428616	-100.4673186	373944.067138421	437973.507274329	2791.309239	2637.2110931306115	2588.293743839667	2588.633652214976	48.57727909113946	48.57727909113946
709	281	29096	9435.8586730335	77197.91730250766	39.58820979	-100.4649792	374145.0418	437974.951651884	2789.517892502044	2635.759206	2585.5963210873524	2585.865493242447	49.16288461	49.89372149378696
710	281	29097	9601.8586730335	77197.91730250766	39.5882030165882	-100.4626398	374346.0159	437974.525982327	2787.688028581235	2634.2893673203265	2582.93742484866	2582.93742484866	51.574706577310735	51.571335984093
712	281	29098	9676.8586730335	77197.91730250766	39.5819677256394	-100.460304	374546.898601801	437973.513563328	2782.6046886325	2632.802934429231	2579.854840861216	2579.854840861216	52.9480083410927	52.8696205425162
714	281	29099	9633.8586730335	77197.91730250766	39.5819019611573	-100.457961	374747.8657025435	437973.54554583	2783.9811958744575	2631.29658918555	2577.181510116489	2577.253084675466	54.1184648605909	54.03424745100847
716	281	29010	9698.8586730335	77197.91730250766	39.5818357854522	-100.4556215	374948.974252087	437973.555492114	2782.127785	2629.779716699242	2575.14495052251	2575.340270059365	54.6349274469316	54.6349274469316
718	281	29011	9768.8586730335	77197.91730250766	39.5817691419541	-100.4532821	375149.811028306	437979.259594719	2780.344983320613	2628.243849346774	2573.153336394364	2573.468548306528	55.0005126733354	54.7753004204584
720	281	29012	9831.8586730335	77197.91730250766	39.5817024351335	-100.4509427	375350.8841334275	437975.576063599	2778.6131761967824	2626.69273124929	2571.0642198531227	2571.3759242290624	55.6285127180624	55.61808985525355
722	281	29013	9897.8586730335	77197.91730250766	39.5817024351335	-100.4486033	375551.857878841	437972.581257262	2776.918670580365	2625.127038885954	2568.5841159878937	2568.85855156031	56.2201873256319	56.2201873256319
724	281	29014	9963.8586730335	77197.91730250766	39.5815664907541	-100.4462639	375752.83112564194	437971.58294467	2775.205479142247	2624.54796770784	2565.7918273103993	2565.7918273103993	57.66630438768896	57.66630438768896
726	281	29015	10029.8586730335	77197.91730250766	39.5814980364756	-100.4439244	375953.8024539412	437971.609406895	2773.97777409367	2621.3457089273606	2562.9274277443014	2562.9274277443014	59.01828173859718	59.00839988089054
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730	281	29017	10161.8586730335	77197.91730250766	39.581397270877	-100.4392456	376355.760257679	437970.634141574	2776.0193073845	2618.6914235682773	2559.7880846535636	2559.826934007337	59.8844425769365	59.8844425769365
732	281	29018	10227.8586730335	77197.91730250766	39.581289602129	-100.4369062	376556.720280626	437970.644223016	2775.519012571949	2617.0378495256987	2559.389530416203	2559.633471879582	60.420731879582	60.420731879582
734	281	29019	10293.8586730335	77197.91730250766	39.5812197	-100.4345668	376757.69568616094	437969.65285397	2776.846564	2615.3682389595688	2558.99151575686	2559.43736889304	60.5308705026439	60.5308705026439
736	281	29020	10359.8586730335	77197.91730250766	39.581148860675	-100.4322274	376958.6682	437968.6453404	2776.024587548674	2613.683552	2558.2200052171534	2558.968363652377	60.54634628	60.54634628
738	281	29021	10425.8586730335	77197.91730250766	39.5810778201974	-100.429878	377159.6046466966	437968.6810713	2773.20261100425	2611.384086837276	2557.263272088025	2558.01818252224	60.5395919175336	60.5395919175336
740	281	29022	10458.8586730335	77197.91730250766	39.5810022035958	-100.427498	377360.6129512311	437969.695705765	2770.306033371222	2610.2739005248227	2555.8747038788515	2556.66544152291	60.5486307530765	60.5486307530765
742	281	29023	10485.8586730335	77197.91730250766	39.580961961573	-100.425091	377561.5881989872	437969.78919	2768.18569285355	2609.22965868355	2554.206389401574	2554.81631237155	60.5486307530765	60.5486307530765
744	281	29024	10528.8586730335	77197.91730250766	39.5808611610989	-100.422697	377762.5572	437967.7732861	2757.24878698445	2605.813920144505	2551.97465452193	2552.83505635345	60.5436456902575	60.5436456902575
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776	281	29040	11679.8586730335	77197.91730250766	39.5796398018509	-100.3854392	380978.0946507775	437961.758890097	2698.6722841381256	2578.1239808687	2523.0172227787387	2523.0172227787387	60.5782704474746	60.5782704474746
1	282	29041	-37094.1413	77857.91730250766	39.58334679061624	-102.1142377	323240.5886175103	438268.1730968405	3640.801035	3581.84928208539	3580.925746830754	3581.84928208539	61.287570521118	61.287570521118
2	282	29042	-37028.1413	77857.91730250766	39.58337216674741	-102.118826	323261.667742675	438268.178913633	3782.019712932656	3582.361359536221	3579.065253821864	3579.065253821864	61.287570521118	61.287570521118
3	282	29043	-36969.1413	77857.91730250766	39.58334679061624	-102.118826	323261.667742675	438268.178913633	3782.019712932656	3582.361359536221	3579.065253821864	3579.065253821864	61.287570521118	61.287570521118
4	282	29044	-36869.1413	77857.91730250766	39.58334679061624	-102.118826	323261.667742675	438268.178913633	3782.019712932656	3582.361359536221	3579.065253821864	3579.065253821864	61.287570521118	61.287570521118
5	282	29045	-36830.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.f	BRIEVBothKrg.f	SatThKlogs.f	SatThBoth.f
77	282	20027	-314181.1413	777857.3170250766	39.5556389092385	-191.9130736	249719.0363419862	4382462.637665436	3758.986933945006	35.255.871536967615	3431.046510959043	3404.633751494413	94.02502601721262	95.23778547320262
88	282	20028	-315251.1413	777857.3170250766	39.555365481222814	-191.9107344	249916.1239025054	4383458.511967483	3755.871074454996	35.24.3428179071448	3429.460514180085	3428.978237443136	94.8623073	95.3643049400766
89	282	20029	-312681.1413	777857.3170250766	39.5554946811678	-191.8943691	251172.121148072	4382454.386490948	3752.768694946614	35.23.82369259847	3427.868039014487	3427.837475148678	94.855923917917824	95.34835979179824
90	282	20030	-312021.1413	777857.3170250766	39.5554232636239	-191.9006561	25130.29820863358	4384580.261233267	3749.646675444518	35.23.3038382681	3426.61467631452	3426.7838803254	94.8315495440877	95.3451548540766
91	282	20031	-311541.1413	777857.3170250766	39.555446801005975	-191.9037169	250519.38509221224	4382446.136196899	3747.7046210256853	35.19.802894480896	3425.5035086196604	3426.00719600138	94.2939856	93.7956846807535
92	282	20032	-310881.1413	777857.3170250766	39.5554709056235	-191.9013777	250720.4716712927	4384210.31812825	3746.94531681412	35.18.300887693008	3424.37688689153	3424.3919900337543	93.9813211590748	94.7628131590748
93	282	20033	-310221.1413	777857.3170250766	39.55542524833295	-191.8990385	250921.552925483295	4382437.886780659	3745.8140661163743	35.18.804661163743	3423.448260923248	3423.58038878226	93.3554020409533	93.4462271
94	282	20034	-309561.1413	777857.3170250766	39.555513474113774	-191.8866983	251122.6440761986	4382433.76241391	3745.41152929274	35.15.314489832164	3422.708086	3423.255872465048	94.004898699348	94.004898699348
95	282	20035	-308891.1413	777857.3170250766	39.5555346811678	-191.8843691	251323.72898943895	4382429.838257251	3744.1469491406614	35.13.82369259847	3421.00744619847	3421.00744619847	94.004898699348	94.004898699348
96	282	20036	-308241.1413	777857.3170250766	39.55555776926896	-191.8820209	251524.81549681711	4382425.514	3742.371527411009	35.12.353316241594	3419.532532891527	3420.81156867177	92.820738359172	91.54171725641972
97	282	20037	-307581.1413	777857.3170250766	39.55557680557125	-191.8898818	251720.980383549	4382421.3060157003	3740.5843086045217	35.10.882768572585	3418.30397639292	3420.81156867177	92.820738359172	91.54171725641972
98	282	20038	-306921.1413	777857.3170250766	39.5555978898936	-191.8873426	251926.89803785007	4382417.26711782	3738.8165681980346	35.09.49145149587	3416.682577	3420.81156867177	92.820738359172	91.54171725641972
99	282	20039	-306261.1413	777857.3170250766	39.55561882253634	-191.8850034	252128.0708781952	4382413.14385759	3736.814569494876	35.07.601608478596	3414.973074669776	3418.6761579231087	92.76858217811963	90.8584292478697
100	282	20040	-305641.1413	777857.3170250766	39.55563984032285	-191.8826642	252329.15539179624	4382409.021	3733.998718246525	35.06.5106554785897	3413.171840499026	3412.920544512537	93.38142826074	93.93010842733596
101	282	20041	-304941.1413	777857.3170250766	39.55566074320601	-191.880325	252530.3297529424	4382400.987976263	3731.37898	35.05.070242166805	3411.411700564396	3411.17369615191	93.6884126043907	93.8969255168408
102	282	20042	-304281.1413	777857.3170250766	39.5556816009304	-191.877868	252731.3236945825	4382400.77352277	3728.750241139438	35.03.641244839518	3410.08822018278	3409.40265143324	93.51191592	94.5917079819557
103	282	20043	-303621.1413	777857.3170250766	39.55570241341304	-191.875466	252932.4071455234	4382396.652962058	3726.0731514603717	35.02.27373642086	3408.239079139748	3407.394576	93.9486572803715	94.8291613943615
104	282	20044	-302961.1413	777857.3170250766	39.555723180738624	-191.873074	253133.49136943004	4382392.530792294	3723.213789729234	35.00.871775389963	3406.615708541513	3406.249853245232	94.2020665	94.5679185
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106	282	20046	-301641.1413	777857.3170250766	39.55576457896208	-191.868629	253535.6578933614	4382382.487211117	3717.566340619438	35.00.4602828031	3402.991652540922	3403.53663292923	94.0489765154589	94.503996904075
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109	282	20049	-299661.1413	777857.3170250766	39.5558269257059	-191.861081	254136.9525451313	4382370.932404262	3708.98946248214	35.03.98946248214	3397.868248214	3397.868248214	92.435494516038	94.0063531855323
110	282	20050	-299001.1413	777857.3170250766	39.5558483577445	-191.8592721	254339.8801969676	4382367.802407335	3705.015640254313	3402.619902370887	3394.368120920184	3402.90021902318	92.517814438433	90.7171166977078
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115	282	20055	-295701.1413	777857.3170250766	39.5559485810026	-191.847876	255350.92927059	4382330.10473076	3686.0791783611528	3406.988136355334	3383.4781147309663	3385.9748507669393	91.40543009419393	97.9179024719459
116	282	20056	-295041.1413	777857.3170250766	39.55596864077258	-191.845238	255496.033011014	4382323.01183428	3684.055952597	3405.114536621173	3381.1378910549052	3381.1378910549052	92.1130012646018	94.0063531855323
117	282	20057	-294381.1413	777857.3170250766	39.5559890440786	-191.8428786	255747.5560188675	4382318.96261374	3683.5564131874173	3378.275896509542	3379.074575160196	3379.074575160196	92.2879166778527	104.51783082682141
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121	282	20061	-291741.1413	777857.3170250766	39.5560693174217	-191.8335407	256581.8789719102	4382324.48727375	3648.384418819547	3400.787534717953	3368.509817241407	3368.230202491953	90.12605005629	90.397294880025
122	282	20062	-291081.1413	777857.3170250766	39.5560894077258	-191.831201	256792.952451313	4382318.96261374	3646.21468116847	3400.46817682173	3367.989755234018	3367.989755234018	90.41401367289745	102.3509839393939
123	282	20063	-290421.1413	777857.3170250766	39.55610917448086	-191.8288623	256993.402720567	4382314.251	3643.675195482967	3400.012948017027	3367.012948017027	3367.012948017027	90.2161767655485	104.021792002214
124	282	20064	-289761.1413	777857.3170250766	39.55612903808564	-191.826523	257155.1130588396	4382310.133680072	3648.771171401833	3400.070531407266	3366.2316408792117	3372.481375970696	90.8054122615149	102.5567954366052
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126	282	20066	-288441.1413	777857.3170250766	39.55616862970451	-191.8218446	257567.2699130742	4382301.89881674	3650.968285113376	3400.070531407266	3366.2316408792117	3372.481375970696	90.8054122615149	102.5567954366052
127	282	20067	-287781.1413	777857.3170250766	39.5561887373587	-191.8195053	257758.3478085564	4382297.7715525	3648.592242517433	3400.070531407266	3366.2316408792117	3372.481375970696	90.8054122615149	102.5567954366052
128	282	20068	-287121.1413	777857.3170250766	39.5562084050509	-191.8171661	257959.4508263026	4382293.6644358	3646.21468116847	3400.070531407266	3366.2316408792117	3372.481375970696	90.8054122615149	102.5567954366052
129	282	20069	-286461.1413	777857.3170250766	39.5562284050509	-191.814876	258159.4508263026	4382289.6644358	3644.070531407266	3400.070531407266	3366.2316408792117	3372.481375970696	90.8054122615149	102.5567954366052
130	282	20070	-285801.1413	777857.3170250766	39.5562477070698	-191.8124876	258361.5807493813	4382285.431733375	3630.8101	3648.00734349295	3365.47886149705	3371.899348	90.6750470021544	96.13532623506
131	282	20071	-285141.1413	777857.3170250766	39.5562681798905	-191.8101484								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
329	282879	-147861.1413	77857.3170250766	39.55935041	-101.323564	300381.823693889	341429.918001218	337.44608656205963	374.907536156678	3073.776843357556	3070.115830277085	101.3306932209212	104.7917017858267	
340	282880	-147201.1413	77857.3170250766	39.55935051501013	-101.3212246	300582.8554472928	3481425.84716114	336.5520520252536	374.473505953438	3073.0893884191587	3067.0893884191587	107.60890042478826	107.60890042478826	
341	282881	-146861.1413	77857.3170250766	39.559370527263844	-101.318852	300763.867025696	3481421.77318741	335.6804874884153	374.924781789327	3072.54069282621	3067.440057818271	107.5830103863003	107.5830103863003	
342	282882	-145861.1413	77857.3170250766	39.55935058433357	-101.3165457	300984.8730880627	3481417.70760884	335.479770251595	370.76533373035	3071.371960829325	3063.5865090917201	99.1931402537097	106.9762762	
343	282883	-145221.1413	77857.3170250766	39.5593505120992	-101.3142063	301185.946359044	3481413.67319273	335.406336626547	376.040964669127	3070.446706641644	3062.80832313425	106.8473895526586	106.2857132857014	
344	282884	-144561.1413	77857.3170250766	39.5594004728301	-101.3118668	301386.980859197	3481409.56843202	334.35040805215946	376.0154699559916	3069.69722442028	3062.575956	97.9157451196367	105.0395139174516	
345	282885	-143901.1413	77857.3170250766	39.5594103378821	-101.3095274	301588.011287351	3481405.49918053	334.650297800534	376.131942774952	3068.6514924592	3062.2882740331584	97.44802638196683	103.8436684719386	
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347	282887	-142581.1413	77857.3170250766	39.55942966782245	-101.3048465	301990.0726126658	3481397.381322778	332.520913672273	376.1658908478367	3066.225684631972	3061.438307443235	96.3364240474168	101.83270148615164	
348	282888	-141921.1413	77857.3170250766	39.55943977092114	-101.3020591	302191.102457002	3481392.32721739	334.920506275666	376.1700434776504	3064.7531707963167	3063.135457727267	96.94587295	96.94587295	
349	282889	-141261.1413	77857.3170250766	39.55944903404867	-101.3001698	302392.134585933	3481387.22433338	334.760263112921	376.1602463014318	3061.8731990010024	3061.8731990010024	96.847248973556	96.36742411911881	
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351	282891	-139941.1413	77857.3170250766	39.55946885926098	-101.2954808	302794.191832007	3481374.132336159628	334.7132336159628	376.134732336159628	3060.571370564125	3060.571370564125	96.37965627	96.37965627	
352	282892	-139281.1413	77857.3170250766	39.55947821937096	-101.2931513	302995.221305305	3481377.023056343	334.44406	376.155426617850026	3060.5511457817844	3060.5511457817844	100.71516003218221	100.9612872212054	
353	282893	-138621.1413	77857.3170250766	39.55948773439726	-101.2908119	303196.250534737	3481372.962595544	334.27418937924874	376.155426617850026	3060.5511457817844	3060.5511457817844	100.71516003218221	100.9612872212054	
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356	282896	-136641.1413	77857.3170250766	39.55951600800746	-101.2837935	303799.3370664081	3481357.7182063	334.053409298671	376.151531516509304	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
357	282897	-135981.1413	77857.3170250766	39.55952534217538	-101.281451	304000.365528838	3481356.685148698	333.9582640137725	376.151531516509304	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
358	282898	-135321.1413	77857.3170250766	39.55953463115049	-101.2791146	304201.393734944	3481351.627133318	333.84691000176776	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
359	282899	-134661.1413	77857.3170250766	39.5595437	-101.276752	304402.4218693134	3481345.55236456	333.72812731194649	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
360	282900	-134001.1413	77857.3170250766	39.55955307351995	-101.2744357	304603.4495358003	3481334.46558106	333.6233977697697	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
361	282901	-133341.1413	77857.3170250766	39.55956230914525	-101.2721102	304804.5396917556	3481323.4201	333.5192182814623	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
362	282902	-132681.1413	77857.3170250766	39.55957133511504	-101.2697558	305005.504857448	3481336.35256905	333.224730965037	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
363	282903	-132021.1413	77857.3170250766	39.55958308122115	-101.2674174	305206.5232586567	3481322.28993043	333.634238930434	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
364	282904	-131361.1413	77857.3170250766	39.55959641593557	-101.2650779	305407.5598023953	3481328.24289644	333.754802200462	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
365	282905	-130701.1413	77857.3170250766	39.5596083855533	-101.2627385	305608.586102673	3481324.159943723	333.8478428	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
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368	282908	-128721.1413	77857.3170250766	39.5596250355246	-101.2557201	306201.5659594204	3481311.96656969	333.7164339661	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
369	282909	-128061.1413	77857.3170250766	39.55963382709736	-101.2533807	306402.6921265745	3481307.90258456	333.6234255695701	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
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372	282912	-126081.1413	77857.3170250766	39.55965993146952	-101.2463623	307015.76950423006	3481295.71185877	332.51922363624	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
373	282913	-125421.1413	77857.3170250766	39.55966854293553	-101.2440228	307216.7949178484	3481291.64872036	332.3894152776817	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
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375	282915	-124101.1413	77857.3170250766	39.55968652910164	-101.2393439	307618.847942055	3481283.03984781334	332.039487181334	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
376	282916	-123441.1413	77857.3170250766	39.559694105489916	-101.2370045	307819.8701278254	3481279.46013285	331.917421112283	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
377	282917	-122781.1413	77857.3170250766	39.559702534884295	-101.234665	308020.894788236	3481275.39834374	331.779092752232	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
378	282918	-122121.1413	77857.3170250766	39.55971091986479	-101.2322555	308221.9102606438	3481271.336	331.6403483891382	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
379	282919	-121461.1413	77857.3170250766	39.5597259891939	-101.2299861	308422.943584709	3481267.27447362	331.493673860847	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
380	282920	-120801.1413	77857.3170250766	39.55973574650406	-101.227466	308623.9676435165	3481263.21296305	331.358517425403	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
381	282921	-120141.1413	77857.3170250766	39.55974408447574	-101.225077	308824.9307473068	3481259.1511472306	331.22811472306	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
382	282922	-119481.1413	77857.3170250766	39.55974408447574	-101.222677	309026.0152774871	3481255.09	331.073820455233	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
383	282923	-118821.1413	77857.3170250766	39.559752167578395	-101.2206282	309227.0388	3481251.029	330.9327027413637	376.14780848588975	3060.602914578346	3060.602914578346	100.71516003218221	100.9612872212054	
384														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtLog.f	SatHtBoth.f
282	208405	-6400.14133	778751.372025076	39.560267419910886	-101.0287908	32570.35307627404	4380918.173	3134.9996061403217	3101.352645049583	2934.1334606108376	2938.901464415387	2719.219038	72.45109999	
466	282	208406	-6400.14133	778751.372025076	39.5602716789591	-101.026413	32591.13612891451	4380914.78	3136.82023058116	2909.746443394727	2937.396217123034	76.7524912	72.4019237189325	
467	282	208407	-6381.14133	778751.372025076	39.5602761906957	-101.024118	32618.2794120715	4380910.47	3138.617525261085	2909.629452871447	2934.710391235578	76.8444887	73.0532246203657	
468	282	208408	-6272.14133	778751.372025076	39.56028050828104	-101.021723	32633.378825953	4380906.45	3138.389628729025	2906.643365620186	2930.7654418571874	76.1273056780822	75.92898470483124	
469	282	208409	-6260.14133	778751.372025076	39.5602847806811	-101.0194328	326514.38707707474	4380902.60	3137.461731658264	2907.689172266984	2929.30716536228	75.9292659082	75.9848888888887	
470	282	208410	-6140.14133	778751.372025076	39.56028907886176	-101.0170933	32675.39146747593	4380898.56	3135.9338745731	2903.609256363456	2928.3100364670117	75.8421989645345	75.14086037517021	
471	282	208411	-6061.14133	778751.372025076	39.56029318989623	-101.0147538	326916.40309274033	4380884.91	3135.408479338627	2902.0737374	2927.222689024332	75.8254229884826	74.701451	
472	282	208412	-6008.14133	778751.372025076	39.56029723671124	-101.0124143	32717.41079286253	4380890.47	3135.585007936723	2901.584163045853	2925.90634325188	75.826131877	74.58776917393713	
473	282	208413	-5942.14133	778751.372025076	39.560301418351235	-101.0100746	327318.418684557	4380894.18	3135.76252618447	2901.103912273767	2925.347384365933	75.8188033913637	73.6914013321135	
474	282	208414	-5876.14133	778751.372025076	39.56030546475618	-101.0077254	327519.4257660119	4380892.36	3135.93667723446	2907.518590823463	2923.5710545692347	74.1776074167169	73.9475326469355	
475	282	208415	-5801.14133	778751.372025076	39.56030936868094	-101.005389	327720.430007316	4380878.54	3135.99342413324	2906.10051934012	2922.0819897281464	73.9283135125551	73.7170761669554	
476	282	208416	-5744.14133	778751.372025076	39.56031342202096	-101.0030564	327921.400076226	4380874.37	3137.060979	2904.521935914413	2920.66834317404	73.910216020113	73.727356460127	
477	282	208417	-5678.14133	778751.372025076	39.56031733286076	-101.0007169	328122.4466674887	4380870.27	3136.88319058116	2903.035828872692	2919.31079692004	73.7165031359803	72.3898889553508	
478	282	208418	-5612.14133	778751.372025076	39.56032119850545	-100.9983774	328323.4536999364	4380866.23	3136.29286719	2901.554486412266	2917.98622578306	73.695293881414	73.6952229	
479	282	208419	-5548.14133	778751.372025076	39.560325018955078	-100.9960379	328524.4602553738	4380862.92	3135.98684679512	2901.0812241518785	2917.189484664847	73.6897964823922	72.8917754871971	
480	282	208420	-5480.14133	778751.372025076	39.56032873420963	-100.9936984	328725.4666400356	4380858.13	3135.6802703674	2900.612573303583	2916.092754359805	73.68001907463	72.530194	
481	282	208421	-5414.14133	778751.372025076	39.56033252426909	-100.9913589	328926.472896031	4380854.13	3135.74920794416	2901.490130533057	2914.714168452267	73.672438446	72.0287373763919	
482	282	208422	-5349.14133	778751.372025076	39.5603362913434	-100.9890194	329127.4789616623	4380850.47	3145.0615631	2905.6898784234567	2913.6162690762084	73.670234782628	71.392275478976	
483	282	208423	-5282.14133	778751.372025076	39.56033948802684	-100.9866799	329328.48486111074	4380846.49	3144.9185762234	2904.2342956475514	2912.5880518216704	73.6713674813797	71.0397400382176	
484	282	208424	-5216.14133	778751.372025076	39.56034334327685	-100.9843404	329529.4905945717	4380840.99	3142.76115022822	2902.76088807758	2911.661895147089	73.671367066872	70.926020172078	
485	282	208425	-5150.14133	778751.372025076	39.56034695255864	-100.9820029	329730.4961254465	4380837.95	3137.216242574096	2901.889339323793	2910.67465652809	73.6702378197912	70.7023697	
486	282	208426	-5081.14133	778751.372025076	39.5603504666379	-100.9796614	329931.5016526345	4380833.91	3136.30129719474	2909.7689956535923	2910.1226361037271	73.672866782501	69.6426352632122	
487	282	208427	-5015.14133	778751.372025076	39.56035408011806	-100.9773219	330132.5680811906	4380829.18	3135.392919040654	2909.282971980496	2909.1221932816164	73.671367066872	69.6426352632122	
488	282	208428	-4952.14133	778751.372025076	39.56035736922122	-100.9749624	330333.511872695	4380825.84	3132.744849384782	2907.90110827755	2907.01086545257	73.671367066872	69.6426352632122	
489	282	208429	-4886.14133	778751.372025076	39.56036073772059	-100.9726429	330534.516793184	4380821.80	3129.70876635017	2905.37208026006	2909.188579293017	73.671367066872	69.6426352632122	
490	282	208430	-4820.14133	778751.372025076	39.56036406102388	-100.9703034	330735.5215119623	4380817.76	3126.87073853107	2903.799204513472	2907.856014844187	73.671367066872	69.6426352632122	
491	282	208431	-4754.14133	778751.372025076	39.56036733913208	-100.9679638	330936.5260985304	4380813.29	3127.179945721606	2906.2339028434275	2908.400443	73.671367066872	69.6426352632122	
492	282	208432	-4688.14133	778751.372025076	39.56037057204505	-100.9656243	331137.5305115259	4380809.62	3126.4813924048	2907.5213516118785	2904.1054889102356	73.671367066872	69.6426352632122	
493	282	208433	-4622.14133	778751.372025076	39.56037385976289	-100.9632864	331338.5347603882	4380806.18	3125.78837808229	2906.74837380229	2904.645097478145	73.671367066872	69.6426352632122	
494	282	208434	-4556.14133	778751.372025076	39.5603771695255	-100.9609433	331539.5386958059	4380801.61	3125.082505507	2905.829452195274	2903.28492581628	73.671367066872	69.6426352632122	
495	282	208435	-4490.14133	778751.372025076	39.56037999611297	-100.9586058	331740.542765401	4380797.58	3124.3819323	2905.412514	2906.100400066624	2906.685408923367	73.671367066872	69.6426352632122
496	282	208436	-4424.14133	778751.372025076	39.560383051745234	-100.9562663	331941.5465242017	4380793.15	3123.677717395	2902.702533776513	2903.718726700566	73.671367066872	69.6426352632122	
497	282	208437	-4358.14133	778751.372025076	39.56038630682219	-100.9539268	332142.5501	4380789.59	3123.000221	2901.96457583514	2901.5004537202	73.671367066872	69.6426352632122	
498	282	208438	-4292.14133	778751.372025076	39.56038902042414	-100.9515873	332343.53549158	4380785.43	3122.3003603	2900.236725158114	2900.85428707377	73.671367066872	69.6426352632122	
499	282	208439	-4226.14133	778751.372025076	39.56039193697708	-100.9492478	332544.58891830295	4380781.43	3121.57702954983	2908.50777380719	2902.181916526293	73.671367066872	69.6426352632122	
500	282	208440	-4160.14133	778751.372025076	39.5603948632225	-100.9469383	332745.59823975	4380777.42	3120.8477969745	2906.74837380229	2904.645097478145	73.671367066872	69.6426352632122	
501	282	208441	-4094.14133	778751.372025076	39.56039783447845	-100.9445688	332946.56266720256	4380773.77	3120.1232124858	2904.977825792	2907.884590103383	73.671367066872	69.6426352632122	
502	282	208442	-4028.14133	778751.372025076	39.56040041544083	-100.9422293	333147.5657480425	4380769.32	3119.407786840179	2903.51965708827	2906.7733810752116	73.671367066872	69.6426352632122	
503	282	208443	-3962.14133	778751.372025076	39.56040331120657	-100.9398898	333348.566368888	4380765.29	3118.6852947599	2901.552196276827	2904.887457044414	73.671367066872	69.6426352632122	
504	282	208444	-3896.14133	778751.372025076	39.56040584177706	-100.9375503	333549.5702837997	4380761.26	3117.96277884	2900.6231033416988	2903.8452580485624	73.671367066872	69.6426352632122	
505	282	208445	-3830.14133	778751.372025076	39.560408847152344	-100.9352108	333750.5731191976	4380757.23	3117.23979505	2900.1419028003613	2903.1521396353	73.671367066872	69.6426352632122	
506	282	208446	-3764.14133	778751.372025076	39.56041187322355	-100.9328713	333951.5725305357	4380753.14	3116.50949863065	2900.443710701731	2902.841362858198	73.671367066872	69.6426352632122	
507	282	208447	-3698.14133	778751.372025076	39.560414831652626	-100.9305219	334152.57376687	4380749.18	3115.7801288011	2900.74837380229	2902.181916526293	73.671367066872	69.6426352632122	
508	282	208448	-3632.14133	778751.372025076	39.56041615210666	-100.9281923	334353.5790372164	4380745.16	3115.059832403958	2900.971920383694	2902.01203682646	73.671367066872	69.6426352632122	
509	282	208449	-3566.14133	778751.372025076	39.560418616700915	-100.9258528	334554.5806879134	4380741.09	3114.34368127302	2901.297561103586	2901.940775317693	73.671367066872	69.6426352632122	
510	282	208450	-3500.14133	778751.372025076	39.5604210306999	-100.9235133	334755.58217801194	4380737.09	3113.6270213993	2903.5053021990563	2903.946275675751	73.671367066872	69.6426352632122	
511	282	208451	-3434.14133	778751.372025076	39.56042341030361	-100.9211718	334956.5803670615	4380733.06	3112.904684882325	2903.827976761995	2906.462794559494	73.671367066872	69.6426352632122	
512	282	208452	-3368.14133	778751.372025076	39.5604257931206	-100.9188433	335157.584677087	4380729.78	3112.18383155515	2902.42383351	2905.7471589578	73.671367066872	69.6426352632122	
513	282	208453	-3302.14133	778751.372025076	39.56042823125526	-100.9164846	335358.586864952	4380724.81	3111.4598179281	2901.464597681413	2904.30455407783	73.671367066872	69.6426352632122	
514	282	208454	-3236.14133	778751.372025076	39.560430621714314	-100.9141553	335559.588580859	4380720.78	3110.7277952348	2900.5219359144				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BR/ElevLogKgr.f	WtElevBothKgr.f	SurfElevBothKgr.f	SatElevBothKgr.f
591	282	18531	18458.8586730335	777857.3170250766	39.56046691367318	-100.73403131	531036.1884984155	4380411.083665977	2907.114715087443	221.1386468746373	2745.0335130075086	2746.613045816587	76.10513386712864	74.5259012998035
592	282	18532	1911.8586730335	777857.3170250766	39.56046562705253	-100.7318736	531237.1775161813	438040.076158501	2904.40962105015	2819.820477792234	2740.990733417106	2741.303365114806	76.10513386712864	74.5259012998035
593	282	18533	18778.8586730335	777857.3170250766	39.5604655522816	-100.738341	531483.1662962784	438039.78566928178	2903.702481161879	2818.956658311563	2738.464585323594	2738.464585323594	76.10513386712864	74.5259012998035
594	282	18534	20438.8586730335	777857.3170250766	39.5604661822516	-100.7269046	531639.1551212165	438039.8537792033	2898.99853126647	2817.1667205478025	2732.80280836569	76.10513386712864	74.5259012998035	74.5259012998035
595	282	18535	21098.8586730335	777857.3170250766	39.560461466018455	-100.724655	531840.143708861	438039.522336502	2899.242311695473	2815.82933297564	2726.159539735804	7722.5691345689706	86.96979856	83.2602037268334
596	282	18536	21758.8586730335	777857.3170250766	39.560461222155	-100.7223155	532041.1321536247	438039.820294054	2898.484582500553	2814.4824211653686	2721.105419307134	720.082004382268	93.40041478310305	94.002013768182740
597	282	18537	22418.8586730335	777857.3170250766	39.56045851601898	-100.719976	532242.1228957803	438039.369660283	2905.627839944623	2813.128297825817	2720.27040006543	719.102742327957	92.84387591927407	94.02013768182740
598	282	18538	23076.8586730335	777857.3170250766	39.5604569822614	-100.717635	532443.1086150513	438039.379660283	2904.60040692221	2811.748908986524	2722.86520006543	722.06648868658	88.983830191858	89.6823200400452
599	282	18539	23738.8586730335	777857.3170250766	39.5604555522816	-100.715287	532644.1662962784	438039.78566928178	2903.702481161879	2810.956658311563	2738.464585323594	76.10513386712864	74.5259012998035	74.5259012998035
600	282	18540	24398.8586730335	777857.3170250766	39.560453705475	-100.712675	532845.18450714196	438039.74552	2902.02003570227	2809.949620105877	2726.30813235677	727.332912971006	82.64120628619176	81.410528619176
601	282	18541	25058.8586730335	777857.3170250766	39.56045201367599	-100.710618	533046.072240198	438039.83932119	2901.524536963027	2807.521463574708	2727.105284726494	726.91845754704	80.6025968337033	80.6025968337033
602	282	18542	25718.8586730335	777857.3170250766	39.56045201367599	-100.708725	533247.059831407	438039.663925	2908.491386721845	2806.069785158699	2727.670493121303	727.466639630636	76.3992920376849	76.3992920376849
603	282	18543	26378.8586730335	777857.3170250766	39.56044881332494	-100.705839	533448.074813697	438039.31186634	2908.478445363935	2804.98482624879	2727.988688566254	727.9874854257827	76.605871785249	76.605871785249
604	282	18544	27038.8586730335	777857.3170250766	39.5604466236775	-100.703995	533649.034589919	438039.58862354	2906.791701922303	2803.0849327256	2728.324364908653	728.184152105112	74.904285794381	74.904285794381
605	282	18545	27698.8586730335	777857.3170250766	39.56044478820773	-100.70126	533850.02175713175	438039.896264584	2904.599592363499	2801.599592363499	2728.4431646056242	728.226296700137	73.1166393978462	73.2772399334868
606	282	18546	28358.8586730335	777857.3170250766	39.560442865817	-100.698925	534051.0087384116	438039.571788071	2903.1941683309	2800.020033569	2728.7618504565075	728.187918296102	71.2014907591143	71.2014907591143
607	282	18547	29018.8586730335	777857.3170250766	39.56044090430167	-100.696581	534251.996667683	438039.461279915	2901.831811334145	2798.4152960239544	2728.617404103762	727.885081805733	69.78979192019234	70.532078438105
608	282	18548	29678.8586730335	777857.3170250766	39.56043889	-100.694215	534452.8842150315	438039.424843347	2901.1685218659904	2796.59199527744	2727.536325472413	727.9178921771	68.881267750324	68.881267750324
609	282	18549	30338.8586730335	777857.3170250766	39.56043684	-100.691910	534653.690201078	438039.387657901	2900.54523296381	2795.1490378235644	2728.4789835095976	727.972043373743	66.6700543136683	67.17699445
610	282	18550	30998.8586730335	777857.3170250766	39.560434373477806	-100.689524	534854.9548511035	438039.4206245	2899.641722176588	2793.467122176588	2728.3468023159726	727.979037337354	65.201396061538	65.4808383992367
611	282	18551	31658.8586730335	777857.3170250766	39.560432941492	-100.687229	535055.94180124644	438039.3814651812	2898.381791874353	2791.75191874353	2728.0611312060987	727.6845813296866	63.603775417341	63.4666004596723
612	282	18552	32318.8586730335	777857.3170250766	39.5604303418748	-100.684834	535256.9279957120	438039.26304737585	2896.62579352367	2789.65462994975	2727.500125318672	727.6845813296866	62.504378140328	62.30977601938454
613	282	18553	32978.8586730335	777857.3170250766	39.5604277486927	-100.682441	535457.9180417834	438039.2321284644	2894.96239780254	2787.924783281	2726.91321073557	726.841326150504	61.454784757584	61.454784757584
614	282	18554	33638.8586730335	777857.3170250766	39.5604258897554	-100.680204	535658.899458074	438039.181767797	2893.10614232816	2784.504181879637	2725.703457200715	725.38307123553	60.709616789658	61.0221175613047
615	282	18555	34298.8586730335	777857.3170250766	39.5604238	-100.677849	535859.887162312	438039.171723825	2890.711494132816	2784.564138529315	2724.119554	723.75273624023	60.4458632290157	60.8112662290157
616	282	18556	34958.8586730335	777857.3170250766	39.560421189557196	-100.675524	536060.8713451158	438039.761	2886.06103503507	2782.685105343067	2722.2684017887505	721.908303433466	60.471635541361	60.7680190272024
617	282	18557	35618.8586730335	777857.3170250766	39.56041877305361	-100.6731859	536261.858633669	438039.705	2881.948766873256	2780.734700819524	2720.294392230163	719.79253662535	60.5294768893605	60.980341941728
618	282	18558	36278.8586730335	777857.3170250766	39.5604161135479	-100.670844	536462.8421871906	438039.7404909775	2877.837403443953	2778.627976692879	2717.687314536952	717.527377214131	61.1424021592736	61.57239948
619	282	18559	36938.8586730335	777857.3170250766	39.560413449667	-100.668498	536663.8274007919	438039.731288485	2876.755959448181	2776.85959448181	2716.41211412556	714.1280482444975	62.338496738154	62.7278112
620	282	18560	37598.8586730335	777857.3170250766	39.560411253713	-100.666174	536864.81478372	438039.6591976	2875.674255048094	2775.674255048094	2715.8173092363	710.210110523397	63.372711663394	64.540727
621	282	18561	38258.8586730335	777857.3170250766	39.5604085058672	-100.663829	537065.797414143	438039.713	2874.66638181713	2772.821895653378	2705.43827	705.506428	63.36855366074	63.36855366074
622	282	18562	38918.8586730335	777857.3170250766	39.56040601260855	-100.6614884	537266.7821431666	438039.7039254	2876.4405558826194	2770.763172156717	2700.570391620226	706.2690275364023	60.005218343352	60.005218343352
623	282	18563	39578.8586730335	777857.3170250766	39.560403483178	-100.6591489	537467.766770844	438039.69749209	2875.4433063672825	2768.692179403639	2695.478028641957	705.690800855336	73.2141501676205	73.00137854830921
624	282	18564	40238.8586730335	777857.3170250766	39.5604009206144	-100.6568094	537668.751402575	438039.768621214	2875.442934722414	2766.597313724794	2691.116022630745	709.6013623161912	75.73419510200414	75.73419510200414
625	282	18565	40898.8586730335	777857.3170250766	39.56039873199568	-100.6544979	537869.73579124117	438039.747846293	2874.288536582301	2764.487639384892	2687.4874593334994	708.041274314575	76.6132454861941	77.0057171
626	282	18566	41558.8586730335	777857.3170250766	39.560396750091	-100.6521534	538070.7204303484	438039.769969635	2873.1313018	2762.3675352581	2684.81326150504	706.905491452252	77.544784757584	77.544784757584
627	282	18567	42218.8586730335	777857.3170250766	39.56039421222708	-100.649979	538271.704115862	438039.662	2872.0616715932024	2760.240451278055	2683.087112569836	706.2827563237472	75.1537795108186	77.4843180408337
628	282	18568	42878.8586730335	777857.3170250766	39.5603920862786	-100.647514	538472.6881371176	438039.65443725	2872.349505071977	2758.11091793754	2685.182175690966	706.336254248307	72.9267421127831	77.778294369233
629	282	18569	43538.8586730335	777857.3170250766	39.56038962497814	-100.6451118	538673.671978902	438039.6465545	2870.62314219789	2755.9069671557805	2686.01872330581	706.69197307652	75.9004132412103	75.9004132412103
630	282	18570	44198.8586730335	777857.3170250766	39.56038724513831	-100.642773	538874.6557643605	438039.632980584	2796.85198327541	2753.8528012986835	2686.64071503212	706.7927722340657	76.2127975941766	74.27557789183265
631	282	18571	44858.8586730335	777857.3170250766	39.56038519650145	-100.6404328	539075.6393574034	438039.631909353	2795.1153513496715	2751.729344487484	2685.74084926576	706.822741970471	76.8985072973704	76.8985072973704
632	282	18572	45518.8586730335	777857.3170250766	39.5603831710209393	-100.638093	539276.679229225	438039.626334929	2794.414383	2749.41269321214	2683.55618507963	707.012451917617	76.6002770435232	76.6002770435232
633	282	18573	46178.8586730335	777857.3170250766	39.56038117558028	-100.635744	539477.6691707917	438039.6190468	2793.2442424242424	2748.2442424242424	2682.4242424242424	706.9089044444444	77.544784757584	77.544784757584
634	282	18574	46838.8586730335	777857.3170250766	39.56037917761974	-100.633413	539678.580578331	438039.61282869	2792.16617787712	2747.269411687912	2681.0312867791	706.1096448944616	75.309320079698	75.309320079698</

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogKgr.ft	BRElevBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
717	282	08657	101618.85867307335	977857.3170250766	39.5594888773927	-100.4392366	736359.7413701085	4739906.832199361	2775.855453038671	261.471753784574	2561.8271019278826	2561.991258778204	56.44646528991484	56.48049530063989
718	282	08658	102278.85867307335	977857.3170250766	39.55949150655221	-100.4368972	736560.71390412416	4739902.843067073	2771.542407060863	2561.625053371815	2561.3847851707627	2561.3847851707627	56.4464478	56.444478
719	282	08659	102938.85867307335	977857.3170250766	39.55949348617106	-100.4345477	736761.686335699	4739898.85381407	2772.44698145127	2561.632498111844	2560.850125307484	2560.850125307484	54.3142754061968	54.3082712248323
720	282	08660	103660.85867307335	977857.3170250766	39.5594978059508	-100.4322182	736962.658455521	4739896.7670559	2775.569156456625	2561.4814054564	2559.434805878271	2560.13518252034955	55.0023917	55.3195981497736
721	282	08661	104258.85867307335	977857.3170250766	39.559499208182502	-100.4298787	737163.63024027905	4739890.880325116	2773.68138837575	2611.7967324981414	2558.3237444890231	2559.035206679801	54.37288800423914	52.67170553045222
722	282	08662	104918.85867307335	977857.3170250766	39.5594913286605	-100.4275393	737364.60291795456	4739893.7886	2771.813601126874	2610.93402	2556.838644282632	2557.591906050533	53.254751542362678	52.5015412362678
723	282	08663	105638.85867307335	977857.3170250766	39.55949320711984	-100.4251998	737565.5748877848	4739892.906	2767.207151076715	2608.3780730345906	2555.0973350872743	2555.842517084525	53.3047217084525	52.53555110350726
724	282	08664	106238.85867307335	977857.3170250766	39.55949970349054	-100.4228603	737768.5467229737	4739897.81888132	2758.873130574577	2606.6513931467944	2552.997143330739	2553.9611516178834	53.65249125305541	52.690241528910974
725	282	08665	106898.85867307335	977857.3170250766	39.55949772801585	-100.4205268	737967.5184957259	4739893.85814207	2759.537488411384	2604.81415381375683	2550.762726278363	2551.93175626759	54.1342754061968	52.86286814898493
726	282	08666	107558.85867307335	977857.3170250766	39.55949443006339	-100.4181814	738168.4900252524	4739895.453286715	2745.2043683024947	2603.1680339252333	2548.719725503187	2549.827356247733	54.4483133161957	53.34011362756205
727	282	08667	108218.85867307335	977857.3170250766	39.55987704212471	-100.4158419	738369.4651577587	4739896.95875474	2741.295475158807	2601.4141523751678	2546.759746279686	2547.81018222768	53.58939415239955	53.58939415239955
728	282	08668	108878.85867307335	977857.3170250766	39.558960899478	-100.4135024	738570.4323744244	4739892.972837615	2740.812739993804	2599.653049190553	2544.765477885348	2546.027346881214	54.88757103706536	53.57031433094289
729	282	08669	109538.85867307335	977857.3170250766	39.5586213067065	-100.411163	738771.4402415151	4739891.989519091	2597.885218888547	2545.038825596503	2543.96402740604	2545.96402740604	54.88757103706536	53.57031433094289
730	282	08670	110198.85867307335	977857.3170250766	39.55895460715235	-100.4088235	738972.37350317973	4739895.01207893	2597.859728661266	2594.11108736668	2541.31863523847	2542.180204151267	54.7792238428102	53.9206321356136
731	282	08671	110858.85867307335	977857.3170250766	39.559847038439855	-100.406484	739173.3463836347	4739851.01761006	2737.853842829991	2594.301018187277	2538.4924899120627	2539.453816706651	54.5838152766651	54.0834841005642
732	282	08672	111518.85867307335	977857.3170250766	39.5598304453318	-100.404146	739374.3173021904	4739847.03043924	2734.3213423323	2592.5453167425358	2537.801781886504	2538.38511698482	54.78030485885408	54.1597097570779
733	282	08673	112178.85867307335	977857.3170250766	39.55883176543236	-100.4018051	739575.288105787	4739843.05378138	2738.78884183147	2590.75423791695	2535.970804667521	2536.422995982706	54.783429147173836	54.3123453192775
734	282	08674	112838.85867307335	977857.3170250766	39.55982406113741	-100.3994656	739775.2587945791	4739830.60532141	2727.25641337087	2588.957985	2533.796582	2534.109197828096	54.61213286	54.84878177008405
735	282	08675	113498.85867307335	977857.3170250766	39.55981631164833	-100.3971262	739977.22936959186	4739835.07590418	2722.812250696326	2587.1552391325463	2531.531145947357	2531.863125637877	56.6204931818596	55.3191134946873
736	282	08676	114158.85867307335	977857.3170250766	39.5590851696517	-100.3947867	740178.380178	4739831.091485068	2717.4565699124273	2585.345094	2529.4111782529683	2529.585780757658	55.9320113118934	55.78630817646217
737	282	08677	114818.85867307335	977857.3170250766	39.55908077067885	-100.3924472	740379.71071669947	4739827.107857715	2712.100889128529	2583.527619143094	2526.9451897159147	2527.0747194775897	56.5824971506934	56.45284456508712
738	282	08678	115478.85867307335	977857.3170250766	39.55975276201654	-100.3901078	740580.1404059042	4739823.130030827	2706.742603120027	2580.72312142014	2526.1600172014784	2526.1600172014784	55.541943785348	55.880429738729264
739	282	08679	116138.85867307335	977857.3170250766	39.55981772801585	-100.3872783	740781.1835811221	4739818.130543122	2704.537488411384	2579.537488411384	2525.9973350872743	2526.9973350872743	54.88757103706536	53.57031433094289
740	282	08680	116798.85867307335	977857.3170250766	39.5597768629168	-100.3854288	740982.083546506	4739815.609921717	2703.62994382005	2578.02093281106	2521.29685652093	2521.18035	56.73536354412715	56.84656582723564
1	283	08681	117941.85867307335	978517.3170250766	39.5551953822116	-102.1142705	742244.7141081475	4739819.609921717	2738.326994382005	2573.050613869686	2581.0662118349705	2584.7109423247194	54.84340203	54.79867045149286
2	283	08682	118021.85867307335	978517.3170250766	39.55518490570194	-102.1119314	742362.82347522362	4739813.4504	2744.3964168544997	2578.07942282189	3578.332879316163	3578.332879316163	59.7470266022895	54.1506060734754
3	283	08683	118621.85867307335	978517.3170250766	39.5552102113539	-102.1095922	742486.321773361	4739811.31939712	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
4	283	08684	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
5	283	08685	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
6	283	08686	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
7	283	08687	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
8	283	08688	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
9	283	08689	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
10	283	08690	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
11	283	08691	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
12	283	08692	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
13	283	08693	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
14	283	08694	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
15	283	08695	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
16	283	08696	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
17	283	08697	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
18	283	08698	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
19	283	08699	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
20	283	08700	118681.85867307335	978517.3170250766	39.5552355217645	-102.107251	742508.2414144958	4739807.175	2739.08219449134	3636.62597134932	3581.132729	3581.132729	55.8222782929702	53.8103240083301
21	283	08701	118681.85867307335	978517.3170250766	39.5552355217645									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRiEveLogsKrg.f	BRiEveBothKrg.f	SAAtBoths.f	SAAtBoth.f
100	283783	-308621.1413	798517.3170250766	39.55751521616101	-101.8756734	525966.53989358359	4325997.962995825	3724.7121624722795	3500.6879876759085	3407.22129839404	3405.7666207769453	34.46085813560461	94.92136719986325	
104	283784	-302661.1413	798517.3170250766	39.557535958401978	-101.8733341	525137.62373595814	4325993.504582759	3722.088771426027	3499.76277752458	3405.64674249939	3404.471851193605	33.6295255251916	94.8044263	
105	283785	-302021.1413	798517.3170250766	39.55756766916812	-101.8730849	525338.70653157606	4325994.989949065	3719.463803757182	3497.7817148	3391.98397692371	3401.37470270272	33.72326891	95.074378454472	
106	283786	-301641.1413	798517.3170250766	39.557577384175076	-101.8686656	525439.7894377333	4325995.545325035	3716.8419597303525	3496.48081155203	3401.189067340738	3401.4189067156278	33.4220281016811	95.0690943487474	
107	283787	-300981.1413	798517.3170250766	39.557598016471502	-101.8663163	5253740.8721043803	4325981.474685402	3713.8105465182026	3495.111206047876	3400.341838925411	3400.3357861365443	34.76298167937649	94.77541247	
108	283788	-300321.1413	798517.3170250766	39.55761860358408	-101.8639771	5253941.9552560013	4325973.351593575	3712.021951933809	3493.7451109616204	3398.48762186059	3398.4914065951248	34.9628477556149	93.8310414347233	
109	283789	-299661.1413	798517.3170250766	39.55763914550188	-101.8616378	5254143.0367036406	432573.23185936	3707.68517459426	3492.390767485434	3398.7987027619103	3400.6451339441364	34.96206049	95.746538	
110	283790	-299001.1413	798517.3170250766	39.55765964223567	-101.8592928	5254344.118637064	4325698.117091694	3704.54206276351	3491.048126	3393.93496452245	3402.390194717613	34.71162939010491	88.6579311058856	
111	283791	-298341.1413	798517.3170250766	39.55768006378183	-101.8569693	5254645.2003310656	4325694.989949065	3702.92286722663	3488.771148	3391.98397692371	3401.37470270272	33.72326891	95.074378454472	
112	283792	-297681.1413	798517.3170250766	39.557700500140314	-101.85462	5254746.2817807412	4325690.88	3698.82782078846	3488.3771082378846	3399.953047699474	3398.540500245754	34.743734310441	91.7452720133011	
113	283793	-297021.1413	798517.3170250766	39.557720861311111	-101.8522807	5254947.36280812678	4325656.748833455	3682.724771721308	3487.987938274377	3397.9154118756546	3392.5505681900435	39.17455119517809	94.5318066240396	
114	283794	-296361.1413	798517.3170250766	39.557741177294126	-101.8499415	5255148.4439353600	4325625.628363908	3685.7542223221	3485.79620670436	3395.790819377222	3398.6925453370003	100.00280129612429	91.10710537337593	
115	283795	-295701.1413	798517.3170250766	39.5577614408937	-101.8476022	5255349.5246764574	4325648.50865409	3682.684312192253	3484.508671948886	3398.788277486625	3398.52833699044	100.7203946226056	98.9804382482415	
116	283796	-295041.1413	798517.3170250766	39.55778167369676	-101.8452629	5255505.601582031	4325644.388992751	3674.900412117121	3483.235031879593	3391.526941251778	3392.451216951127	101.70890062781473	100.7819118448024	
117	283797	-294381.1413	798517.3170250766	39.55780185412633	-101.8429236	5255751.68498481822	4325640.39249968	3667.116524020165	3481.972611979624	3378.714229166522	3379.2899439672647	100.20118906297153	102.686980123395	
118	283798	-293721.1413	798517.3170250766	39.55782129835793	-101.8405843	525592.76496792	4325635.15	3659.33263569012	3480.72134	3376.47098747183	3376.265192447746	104.5802547175171	104.45611314448406	
119	283799	-293061.1413	798517.3170250766	39.557842047940161	-101.8382451	5256133.845254554	4325625.030030142	3653.739993557696	3479.481080402153	3373.476236240733	3373.363942111587	106.0048415807798	101.7138290056589	
120	283800	-292401.1413	798517.3170250766	39.557862124257284	-101.8359058	5256354.2947711232	4325610.10251036	3650.335957728944	3478.21851	3371.390624730995	3371.153874495288	106.86097612875483	107.0972603591659	
121	283801	-291741.1413	798517.3170250766	39.55788212382482	-101.8335665	525656.004707927	4325623.932462	3646.937202001034	3477.03341	3370.155661	3370.235890170697	106.774964169012	106.78912025665830	
122	283802	-291081.1413	798517.3170250766	39.557902078404524	-101.8312272	525675.083028359	4325619.67459411	3643.52856225104	3475.825435564558	3369.5968471429635	3370.50118958909	106.2226514359545	105.3246575974677	
123	283803	-290421.1413	798517.3170250766	39.55792196786902	-101.8288879	525698.1677169863	4325615.55673864	3642.206142633147	3474.6290543047072	3368.285639115623	3371.249446	105.34538134314488	105.733995988974	
124	283804	-289761.1413	798517.3170250766	39.55794185179937	-101.8265486	525719.2404327727	4325615.43873946	3640.9546243214772	3473.49272498568	3368.76705047493	3371.603833	104.7626745062504	101.8346061989799	
125	283805	-289101.1413	798517.3170250766	39.55796178262148	-101.824294	525740.7417921482	4325612.80982318	3620.2513869091476	3467.63128921675	3367.16418702615088	3372.1418702615088	102.73301255597	102.73301255597	
126	283806	-288441.1413	798517.3170250766	39.557981444441516	-101.8218701	525761.3968247744	4325603.20430726	3644.46427200594	3471.10104704235	3368.1936267020933	3371.6189342472	106.96472050441519	95.2841506975093	
127	283807	-287781.1413	798517.3170250766	39.558001172802324	-101.8195308	525782.74655925103	4325499.08	3642.616297405865	3469.9438920454	3364.3381161893913	3371.4531062724823	105.1047763106263	98.94079684797162	
128	283808	-287121.1413	798517.3170250766	39.5580208633065	-101.8179195	525793.5522563011	4325494.9686961	3643.309843642054	3468.792357549483	3362.46587389357	3370.90873	106.3264811601257	97.8836270961420	
129	283809	-286461.1413	798517.3170250766	39.55804044949273	-101.8148522	525816.6296140219	4325493.805206274	3632.3039861925	3467.64317953996	3360.3465239787674	3370.2685772457858	107.33382556119837	97.8836270961420	
130	283810	-285801.1413	798517.3170250766	39.55806006746646	-101.8125129	525835.70673299124	4325486.735387941	3627.299360867663	3466.49045677078	3358.023286174867	3370.240065040485	108.4731195065892	96.2563517299113	
131	283811	-285141.1413	798517.3170250766	39.55807963525719	-101.810178	525856.78361311214	4325486.735387941	3620.2513869091476	3467.63128921675	3367.16418702615088	3372.1418702615088	102.73301255597	102.73301255597	
132	283812	-284481.1413	798517.3170250766	39.55809913784948	-101.8078343	525878.8052701041	4325486.735387941	3620.2513869091476	3467.63128921675	3367.16418702615088	3372.1418702615088	102.73301255597	102.73301255597	
133	283813	-283821.1413	798517.3170250766	39.5581185925707	-101.805495	525898.3665840057	4325474.780893269	3620.2513869091476	3467.63128921675	3367.16418702615088	3372.1418702615088	102.73301255597	102.73301255597	
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135	283815	-282501.1413	798517.3170250766	39.5581573540827	-101.8008164	525937.088195165586	4325466.15532391	3618.90158003573	3460.876533054322	3346.5645695266508	3366.5927119221466	114.31196397878148	94.2832158	
136	283816	-281841.1413	798517.3170250766	39.5581769635101	-101.7984771	525952.16441713747	4325462.93079425	3618.354217071819	3459.78390438043	3344.247210558857	3367.0399729874094	115.3368974503362	97.907974503362	
137	283817	-281181.1413	798517.3170250766	39.558196973005134	-101.7961378	525973.2398940074	4325457.924841408	3618.918043410065	3458.704230925886	3341.81506553471	3358.92486238758	116.887362538849	99.7793685885036	
138	283818	-280521.1413	798517.3170250766	39.55821524475618	-101.7937858	525994.71814792148	4325453.80982318	3620.2513869091476	3467.63128921675	3367.16418702615088	3372.1418702615088	102.73301255597	102.73301255597	
139	283819	-279861.1413	798517.3170250766	39.55823439973416	-101.7914952	526015.793908834152	4325446.98520446	3612.512721341005	3456.569835	3338.7502201195475	3368.949255111987	119.870516780522	105.026478432501	
140	283820	-279201.1413	798517.3170250766	39.55825331835334	-101.7891199	526036.764364001712	4325445.50077058	3625.585409182607	3455.51420874112	3334.506761919636	3343.46223948132	105.0751895447593	112.0520413925801	
141	283821	-278541.1413	798517.3170250766	39.55827262773455	-101.7867806	526057.538351072	4325441.46652105	3625.658097018167	3454.463527128424	3332.109611612701	3339.4952868833123	122.3547411001148	114.78147226593003	
142	283822	-277881.1413	798517.3170250766	39.55829167844497	-101.7844413	526077.6136038173	4325437.352491024	3627.730785	3453.4208050486105	3330.6093873191	3335.885728927573	123.8191487136917	115.936261192236	
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144	283824	-276561.1413	798517.3170250766	39.558329642429235	-101.7797626	526118.7614332924	4325429.125	3631.54572530763	3451.347187444244	3330.4356325963546	3332.109611612701	126.9854291789283	116.710672485369	
145	283825	-275901.1413	798517.3170250766	39.5583484924924	-101.7774244	526139.81434987212	4325425.027872878	3634.02967398939	3449.54206276351	3329.72732821745	3329.72732821745	128.732726763934	128.732726763934	
146	283826	-275241.1413	798517.3170250766	39.55836742937747	-101.7750084	526162.98318781875	4325420.89857038	3635.05516632174	3449.255613916477	3331.5553606984912	3332.109611612701	129.702534213564	126.690612615087	
147	283827	-274581.1413	798517.3170250766	39.55838625416359	-101.7727447	526183.98140887872	4325416.78565178	3636.304360963757	3448.195719202655	3331.556778144856	3331.7207800730907	131.0390486577595	129.47493934771	
148	283828	-273921.1413	798517.3170250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLog.Kg.ft	BR ElevLog.Kg.ft	SatHtLog.s	SatHtLog.s
228	208909	-220461.1413		795817.3170250766	39.559776103542795	-101.580917	27827.1937138945	4382080.274716434	3537.784055174057	334.96504528395114	3206.4606703614436	3197.1173236891936	148.4987824780678	149.83312897031783
229	208910	-219801.1413		795817.3170250766	39.559791177504025	-101.578576	27842.2746789559	4382076.180051414	3534.087806	334.95470819	3204.961726731575	3192.8457834379960	148.1164659201522	148.2448781653995
231	208911	-219181.1413		795817.3170250766	39.55986529862785	-101.576281	27862.3020437776	4382072.058568112	3533.2628920869875	334.9492878298413	3203.048220421093	3193.813422201093	148.1482934595396	149.2765345005487
232	208912	-218481.1413		795817.3170250766	39.55982118985128	-101.5738087	27874.3558818316	4382067.991	3528.32526496245	334.1298704954724	3201.526264319022	3192.854834367925	139.77240436395205	148.4442211671249
233	208913	-217821.1413		795817.3170250766	39.55983612823726	-101.5715593	279075.4069229406	4382063.8973746095	3522.3832021672485	333.9400653721692	3199.963859206122	3193.4834514539335	139.43126708707968	145.5168392675584
234	208914	-217161.1413		795817.3170250766	39.55985102	-101.5692199	279276.4629053054	4382053.809383774	3518.439375371851	332.75062497877357	3198.06449348752	3193.332702	139.4173478913456	144.175748913456
235	208915	-216501.1413		795817.3170250766	39.55985869433686	-101.5668805	279477.5160910929	4382055.710021866	3516.2045360818427	333.2652078	3196.985173869594	3191.404113051324	139.405760585119065	144.1461868285826
236	208916	-215841.1413		795817.3170250766	39.55988072244105	-101.5645411	279678.569595962654	4382051.616765099	3515.677623221327	333.7746182136666	3196.8189881338483	3190.458933636571	137.9565036081833	143.2165812770958
237	208917	-215181.1413		795817.3170250766	39.55989529862785	-101.5622017	279879.6218118209	4382047.523547818	3515.151034175933	333.9492878298413	3196.649177026454	3190.363417026454	137.9565036081833	142.9251131833
238	208919	-214521.1413		795817.3170250766	39.559910142229205	-101.5598623	280080.6744717447	4382043.431	3513.223418418725	3195.92041802164584	3190.3843103282862	3186.631003970751	139.8903105364397	137.9565036081833
239	208919	-213861.1413		795817.3170250766	39.55992481	-101.5575292	280281.7266661251	4382043.37352409	3513.3020435929638	3328.541766206804	3193.0123858111237	3190.880161207901	135.5238033960603	137.653036189818325
240	208920	-213201.1413		795817.3170250766	39.5599343156644	-101.5551834	280482.7787688839	4382035.245484171	3511.185230441504	3326.951250910572	3192.476784649684	3191.5081373241956	134.44044424013336	135.40698776686168
241	208921	-212541.1413		795817.3170250766	39.55995400841705	-101.552844	280683.8307	4382031.153235575	3509.068064962057	3325.326745324454	3192.5790784314954	3191.825616972751	132.74766610059003	133.35102175596703
242	208922	-211881.1413		795817.3170250766	39.5599684007563	-101.5505046	280884.8823266418	4382027.01260606	3505.9508394761	3323.7605616880082	3192.204609796102	3191.796501903056	131.55595189190626	131.9639714949726
243	208923	-211221.1413		795817.3170250766	39.559983026542106	-101.5481652	281085.9337053576	4382022.96939725	3504.85549652967	3322.204789363383	3191.749639393343	3191.02702723672	130.456332126659	130.2346832126659
244	208924	-210561.1413		795817.3170250766	39.55999747816166	-101.5458258	281286.9652209526	4382018.177807516	3502.811142491126	3320.851197119836	3191.018091180457	3191.6780541560042	129.7321079303768	129.9725298383439
245	208925	-209901.1413		795817.3170250766	39.5600118630598	-101.5434863	281488.0361	4382014.786435353	3500.57076329445	3319.093267300727	3189.864146240045	3190.677504866616	129.2291210678053	128.81574242096517
246	208926	-209241.1413		795817.3170250766	39.56002621479596	-101.5411469	281689.0805653104	4382010.695	3498.700178162245	3317.527168441948	3188.313694214968	3188.99759	128.52969157282496	128.52969157282496
247	208927	-208581.1413		795817.3170250766	39.56004052049384	-101.5388075	281890.1375519637	4382006.04353878	3494.693231887708	3315.9486953373435	3188.256786	3186.9078285512	128.6919003234933	128.04091142813518
248	208928	-207921.1413		795817.3170250766	39.56005647809962	-101.5364681	282091.18793261587	4382002.513642517	3488.727147490075	3314.353090558476	3187.8349657221193	3184.894496481016	128.5168133372835	128.85381104813518
249	208929	-207261.1413		795817.3170250766	39.56006896931295	-101.5341287	282292.320898847	4381998.423150731	3482.762251094434	3312.739781085381	3187.9383710045381	3182.6283531569063	128.8014108099232	130.05249516931728
250	208930	-206601.1413		795817.3170250766	39.56008316643413	-101.5317892	282483.2890510398	4381992.32878513	3476.796192984114	3311.70300232452	3186.9315044953693	3182.735021323268	128.7195510702262	128.9367801112545
251	208931	-205941.1413		795817.3170250766	39.5600978136289	-101.5294372	282687.378215635	4381987.42328565	3470.658377592933	3310.4270949297	3186.04825870913	3182.735021323268	128.692551818265	129.0492551818265
252	208932	-205281.1413		795817.3170250766	39.56011137109545	-101.5271104	282895.3873174675	4381985.152929749	3459.945519650698	3307.7618548437485	3180.23977073923	3182.15228631521	127.5418777655541	128.626385285653
253	208933	-204621.1413		795817.3170250766	39.560125405643745	-101.5247708	283096.4366247186	4381982.063379185	3450.69990360181	3306.085840310866	3180.688227596243	3182.371404338939	126.217061721423	127.411496821947
254	208934	-203961.1413		795817.3170250766	39.56013939495566	-101.5224315	283297.4852738674	4381977.974	3441.45426724943	3304.366927925654	3179.804347773641	3180.9240427742083	124.56258015201638	123.44288719824908
255	208935	-203301.1413		795817.3170250766	39.56015334	-101.5200921	283498.534068458	4381973.884810665	3434.2259473515361	3302.623973515361	3179.4020087683057	3180.714031	123.22196474705561	121.9094420382138
256	208936	-202641.1413		795817.3170250766	39.5601672812199	-101.5177527	283699.5832786056	4381969.7955588	3429.01494496468	3300.856486	3178.4520806047758	3181.4007496470226	122.36404513158414	119.8537406933728
257	208937	-201981.1413		795817.3170250766	39.56018108189662	-101.5154129	283900.6731737514	4381963.707120225	3424.804971226678	3300.458971226678	3178.4520806047758	3181.4007496470226	122.36404513158414	119.8537406933728
258	208938	-201321.1413		795817.3170250766	39.56019490478564	-101.5130738	284101.610844058	4381957.41824209	3417.658377592933	3300.25047980045	3177.890033349693	3177.890033349693	119.7702841717559	119.7702841717559
259	208939	-200661.1413		795817.3170250766	39.5602086	-101.5107344	284302.780182482	4381957.53	3410.6404565422223	3305.81482724458	3176.5403900674748	3179.4098976225825	118.7807617684043	115.9275262200575
260	208940	-200001.1413		795817.3170250766	39.56022236206511	-101.5083499	284503.7758403968	4381952.442230462	3399.945468077123	3317.5724802670634	3175.6378064734364	3178.7260134194052	114.85665690911906	114.85665690911906
261	208941	-199341.1413		795817.3170250766	39.5602360550965	-101.5060555	284704.8234506223	4381949.35473357	3389.252056712097	3312.37700221673	3174.655774809179	3177.91331867745	113.72104213488947	113.72104213488947
262	208942	-198681.1413		795817.3170250766	39.56024968281405	-101.5037611	284905.8708	4381945.26735347	3387.9158527349914	3309.890606969432	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
263	208943	-198021.1413		795817.3170250766	39.5602632655005	-101.5013766	285106.9180356131	4381941.19793605	3387.3159979448863	3308.640198730476	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
264	208944	-197361.1413		795817.3170250766	39.5602770822726	-101.4990372	285308.061221183	4381937.621011773	3387.658377592933	3308.29539639555	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
265	208945	-196701.1413		795817.3170250766	39.56029029616118	-101.4967877	285509.0117770524	4381933.05138091	3386.953704087393	3308.254383849895	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
266	208946	-196041.1413		795817.3170250766	39.56030374220242	-101.4943583	285710.0583310451	4381928.913773904	3386.205076821653	3308.2342188194915	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
267	208947	-195381.1413		795817.3170250766	39.56031714405093	-101.4920189	285911.160474029	4381924.831837152	3385.02209675853	3308.13877922725	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
268	208948	-194721.1413		795817.3170250766	39.56033050070672	-101.4896794	286112.150807336	4381920.74515833	3384.27018227335	3307.95560221153	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
269	208949	-194061.1413		795817.3170250766	39.56034381216971	-101.48734	286313.19673004036	4381916.659413931	3383.91763761526	3307.9158223212864	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
270	208950	-193401.1413		795817.3170250766	39.56035708	-101.4850005	286518.2442427798	4381912.574	3383.76137304952	3307.9158223212864	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
271	208951	-192741.1413		795817.3170250766	39.56037081216971	-101.482658	286719.2403676158	4381908.2403676158	3383.617304952	3307.9158223212864	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
272	208952	-192081.1413		795817.3170250766	39.5603837540184	-101.4803217	286916.3323388863	4381904.02442676	3383.520093634816	3307.9158223212864	3173.6271628403684	3177.91331867745	112.6729912557436	112.6729912557436
273	208953	-191421.1413		795817.3170250766	39.56039660603505	-101.47798								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.f	BRElevBothKrg.f	SatHLogs.f	SatHBoth.f
352	28035	-137301.1413	978517.3170250766	39.56131952923489	-101.2861451	30062.3824	4381566.074464534	3338.8999318355363	3322.0902050572197	3049.231910941726	3047.1589428057387	302.85839311549389	104.9310372548103	
356	28038	-136641.1413	978517.3170250766	39.5613289583634	-101.2838056	303803.4109	4381562.607602317	3338.136746082121	3351.0885430983067	3048.9061194465357	3045.7244948463933	102.1824312	105.36040482974322	
357	28039	-136861.1413	978517.3170250766	39.56136330634768	-101.2814661	304004.43966436	4381567.940778827	3338.27366033736	3350.9857281132465	3048.81726841132465	3043.812268453488	101.78319494023187	105.36822197138186	
358	28038	-135521.1413	978517.3170250766	39.56134753246109	-101.2791266	304055.8471106705	4381563.71474057	3337.6103745752916	3349.10498133998	3047.476233839307	3040.461978381058	101.6287429367735	108.684297497748927	
359	28039	-134661.1413	978517.3170250766	39.56136736480395	-101.2767871	304046.49466976584	4381549.8078799953	3337.1399617155533	3348.133629039077	3046.4655041960414	3036.99626586522	101.64785819481631	101.3713580343562	
360	28040	-134001.1413	978517.3170250766	39.56136597530495	-101.2744476	304067.52262103534	4381561.74162047	3336.962321749437	3347.1185765033624	3045.203850114957	3034.109649241086	101.6147254918665	113.006279334348	
361	28041	-133341.1413	978517.3170250766	39.56137512883472	-101.2721081	304088.55008399085	4381541.6571988	3336.768417833333	3346.1190602325843	3043.731667982693	3033.753887162811	112.36352764089113	112.36352764089113	
362	28042	-132681.1413	978517.3170250766	39.56138423736975	-101.2697686	304057.573556877	4381577.609942023	3336.6047048172403	3345.113964220547	3042.2958488782352	3032.8175712109284	102.8183793304087	111.29633003094998	
363	28043	-132021.1413	978517.3170250766	39.56139330630987	-101.267429	304057.573556877	4381577.609942023	3336.6047048172403	3345.113964220547	3042.2958488782352	3032.8175712109284	102.8183793304087	111.29633003094998	
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394	28074	-111561.1413	978517.3170250766	39.5616518443919	-101.194904	311442.3504982776	4381407.622000282	3300.041010785815	3310.464640232936	3020.464640232936	3001.05084048718566	101.69710963491121	110.591221882657	
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398	28078	-108921.1413	978517.3170250766	39.561682041168886	-101.185549	312246.4327166087	4381391.382981628	3300.041010785815	3306.041010785815	3020.041010785815	3000.762331898	101.69710963491121	110.591221882657	
399	28079	-108261.1413	978517.3170250766	39.561689473738542	-101.1832063	312447.4504683297	4381387.331954548	3300.041010785815	3305.041010785815	3020.041010785815	3000.762331898	101.69710963491121	110.591221882657	
400	28080	-107601.1413	978517.3170250766											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRELEVLogKgr.f	BRELEVBothKgr.f	SatNetKgr.f	SatNetBoth.f
481	283	209161	-54141.14133	798517.3170250766	39.56214544610366	-100.9913638	32890.50179745144	4381055.347	114.78657609293124	2914.617069903645	2915.65172378757	71.26699614328118	70.9217506042854	
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483	283	209163	-52821.14133	798517.3170250766	39.56215277	-100.9866943	32935.52848123865	4381047.368	114.637657454823	2953.638441923516	2913.7545204892645	70.92220534452768	69.88539342452768	
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485	283	209165	-51501.14133	798517.3170250766	39.562159914762624	-100.9820054	32973.5430426039	4381038.192802569	114.624698715461	2880.7060255647634	2911.412624465308	69.2917631182367	69.5258060744291	
486	283	209166	-50841.14133	798517.3170250766	39.56216341893664	-100.9796658	32993.5454972108	4381035.152	114.6152686	2979.23363218878	2910.819917227686	70.11070784	68.16284907129212	
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492	283	209172	-46881.14133	798517.3170250766	39.5621834845834	-100.9656285	33114.573069486	4381010.924124991	113.6156427449	2969.674802743116	2905.684742438416	2902.41668164874	64.1903263870405	
493	283	209173	-46221.14133	798517.3170250766	39.56218668268165	-100.9632889	33124.5770870241	4381006.88927487	113.61523713769503	2968.20734887681	2903.3750157205955	2901.499633749769	64.0832307360758	
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497	283	209177	-43581.14133	798517.3170250766	39.56219898189396	-100.9538307	33216.5915312001	4380986.70438791	113.61045590327	2890.40194853165	2891.885722074475	2890.95073716218	68.9153238287961	
498	283	209178	-42921.14133	798517.3170250766	39.562201947312004	-100.9515911	332347.594734355	4380986.70447306	113.61036360255	2959.68537570898	2887.169700521594	2888.96172674375	70.7042480364128	
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501	283	209181	-40941.14133	798517.3170250766	39.56221055798789	-100.9445724	332960.03636193	4380974.5978165	113.6136231068763	2954.32130607634	2881.054163	2883.9103651965993	70.9100109221594	
502	283	209182	-40281.14133	798517.3170250766	39.56221334	-100.9422239	333131.6005154436	4380970.56238959	113.614229784996	2952.8097008310474	2880.512268039253	2883.7065791447714	71.89747402714283	
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518	283	209198	-29721.14133	798517.3170250766	39.5622516882915	-100.904799	336367.624464463	4380906.02856126	113.6347211585726	2925.370027468794	2870.455568401595	2889.018137	54.6145828634906	
519	283	209199	-29061.14133	798517.3170250766	39.56225350152234	-100.9024603	336568.624673935	4380901.9973610	113.636331241227	2923.63513241227	2865.9710146086136	2864.6617801065877	57.5624863261328	
520	283	209200	-28401.14133	798517.3170250766	39.5622556601904	-100.9001207	336769.6245355996	4380897.96800387	113.638215396597	2921.89169	2861.81682356618	2867.5678677232327	60.0748307151706	
521	283	209201	-27741.14133	798517.3170250766	39.56225793131925	-100.8977812	336970.62343579	4380893.590381851	113.64029903408	2920.4499039408	2858.240383040986	2861.163850722836	61.90341660731718	
522	283	209202	-27081.14133	798517.3170250766	39.56225948420306	-100.8954416	337171.623295927	4380889.904172733	113.6429270226638	2918.342436373675	2855.05009015807	2859.41897173745	63.3392635766823	
523	283	209203	-26421.14133	798517.3170250766	39.56226184578762	-100.8931696	337378.62346168014	4380885.6240365	113.6457217827345	2916.85487237745	2853.453459278403	2853.453459278403	63.3392635766823	
524	283	209204	-25761.14133	798517.3170250766	39.5622639070416	-100.8907625	337571.623295927	4380884.33133942	113.64867948696265	2914.866948696265	2854.56090984178	2853.80903334644	61.6177000546683	
525	283	209205	-25101.14133	798517.3170250766	39.5622662885538	-100.8884229	337774.623095009	4380878.712406451	113.6513178274616	2912.73118274616	2854.70936112670684	2850.850749303673	60.5603656039322	
526	283	209206	-24441.14133	798517.3170250766	39.56226852487317	-100.8860833	337975.6191140633	4380874.8296405	113.653232993277	2844.9607218944297	2853.406014048168	2853.406014048168	57.3673089115952	
527	283	209207	-23781.14133	798517.3170250766	39.562270817994475	-100.8837438	338176.6178759875	4380870.6178759875	113.655231205125646	2842.845105737184	2852.46105737184	2852.46105737184	58.87142740880714	
528	283	209208	-23121.14133	798517.3170250766	39.5622729791819326	-100.8814042	338377.618080962	4380865.7236453	113.657487920569	2840.8478792368	2840.7888934395	2842.46104370263	67.07899858	
5														

id	ic	Y.R.	Lat/Long	UTM_X	UTM_Y	ServElev.h	WLR	BREWLevKnot.h	BREWBoatKnot.h	SATMLKLev.h	SATMLBoat.h		
607	2828	2901.8586730335	795751.717020766	95.5622353282804156	-100.6965784	3425426.0193695025	5803485.076	2896.74467746001	7398.11577522714	2728.321938303267	7728.8201731760489	69.73373717468975	89.29504376674458
608	2828	2908.7858673035	795751.717020766	95.56225181912647	-100.694238	3454456.995	580354.063673186	2896.717389543128	7396.507584258756	2728.401102230294	7728.814818450433	68.0164823	67.6261026311236
609	2828	2930.303856730335	795751.717020766	95.56224976143232	-100.691893	345657.9848307914	580355.05170308	2896.686291340255	7396.585107917688	2728.42412555815	7728.806912725763	68.9468366187303	66.3616166451166
610	2828	2930.309309.8586730335	795751.717020766	95.56224766	-100.689597	345858.971	580363.04	2895.165131373728	7397.187133152733	2728.510696678904	7728.83181610105	64.7626163636714	64.35190470516841
611	2828	2931.316848.8586730335	795751.717020766	95.562245518554626	-100.6872201	345956.55716471085	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
612	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
613	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
614	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
615	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
616	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
617	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
618	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
619	2828	2932.32378.8586730335	795751.717020766	95.5622451012127	-100.685251	346015.928043037	580363.028419342	2894.589965477601	7397.473783681194	2728.36659532904	7728.66749097367	63.1071820407255	62.8862188963629
620	2828	2930.309309.8586730335	795751.717020766	95.56222417623104	-100.6661641	356968.8257874336	580405.943425267	2871.071958649635	7394.2568653904	2705.925979744332	7705.3713163939	65.6858282	69.0536532430021
621	2828	2930.3138258.8586730335	795751.717020766	95.56222157887983	-100.6638245	357069.810488104	580439.92489985	2865.363713880255	7392.393725188473	2700.64486406446	7700.940050450749	71.7288771	71.42971566323001
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623	2828	2930.33037.8586730335	795751.717020766	95.56221628587575	-100.6591454	357471.7794950454	580483.90689392	2851.28622998607	7388.19857700792	2691.07032824523	7691.034877	75.15914533394	71.1637002432218
624	2828	2930.40238.8586730335	795751.717020766	95.5622135156486	-100.656805	357672.737926309	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
625	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
626	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
627	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
628	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
629	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
630	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
631	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
632	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
633	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
634	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
635	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
636	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
637	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
638	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
639	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
640	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
641	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
642	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
643	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
644	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
645	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
646	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
647	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
648	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
649	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
650	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
651	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864	7686.79416452136	79.12415953384	79.2711082938404
652	2828	2930.5458.8586730335	795751.717020766	95.56221737508936	-100.6544662	357793.75563239	580478.89817418	2840.102974660134	7386.069525	2686.943654596864			

ix	iy	ic	X	Y	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBoth.f
732	284	11238.85867307335	798517.3170250766	39.561644674385974	-100.4017952	379579.276989894	4380044.24392099	2734.1315261044488	2536.634987866205	2536.299944764644	2536.677272324968	34.530430170140666	33.95717551423667	
734	283	11414.112838.85867307335	798517.3170250766	39.56163696982596	-100.3994457	379780.2467110862	4380040.259529723	2730.69639018726	2588.24716461278	2534.039884363695	2534.2767047829479	34.8023237095059	34.56683616648006	
736	283	11415.13498.85867307335	798517.3170250766	39.56162276414875	-100.3971161	379891.2164081166	4380039.2736822	2728.89568772021	2587.042544818164	2531.7650868738137	2532.033088110097	35.2727140786179	35.03081966465666	
738	283	11416.11415.85867307335	798517.3170250766	39.561621425320745	-100.3947766	379812.286723802	4380032.289251383	2719.72961605175	2585.234673865176	2529.69019625146	2529.7918142274975	35.444027005636	35.4548823821403	
737	283	11417.11418.85867307335	798517.3170250766	39.56161358524182	-100.3924371	380383.1568619882	4380028.240384051	2713.564046478676	2583.4193002172323	2527.2585834492723	2527.34381	35.16071677130594	35.07091911633324	
738	283	11418.11547.85867307335	798517.3170250766	39.561606996766	-100.3900976	380584.1266783844	4380024.30334861	2707.397323	2581.59683216351	2526.4719212953	2526.093426781814	35.11851295698005	35.05045884832616	
740	283	11419.11613.85867307335	798517.3170250766	39.5615977694982	-100.3877758	380785.0967601426	4380020.283741067	2702.832174271903	2579.766721	2524.204157	2523.602301987305	35.06263023384994	35.16420323489894	
743	283	11420.1167.85867307335	798517.3170250766	39.56158973383676	-100.3854185	380966.066391047	4380016.35328078	2699.868023594387	2577.9602201129433	2521.586830615227	2521.14492930434	35.03986949716336	35.1159107863941	
1	284	120421.370941.1415	79717.3170250766	39.569972276414875	-102.1143032	232402.87015438103	4383220.34464717	3778.4306688770251	3638.7781234528	3590.268898	3584.01369611689	57.8491631942254	54.2058492638359	
2	284	120422.370281.1415	79717.3170250766	39.56997363815515	-102.1119641	232529.9744457519	4383216.79436793	3782.33655252346	3636.7787451409727	3577.584891373396	3577.584891373396	57.8491631942254	54.2058492638359	
3	284	120423.369621.1415	79717.3170250766	39.56972296930212	-102.1096249	232831.0883181002	4383216.54440007	3776.3102340412433	3635.340083840606	3580.479976879846	3582.2802113267917	54.6006269475642	53.1202926388635	
4	284	120424.368961.1415	79717.3170250766	39.56974827306445	-102.1072857	233032.1966223513	4383208.50968077	3757.7140031437	3633.905301368509	3572.2556154730164	3574.052101086793	61.6498589549335	59.8530912711684	
5	284	120425.368301.1415	79717.3170250766	39.56970314913036	-102.1049466	233233.3052625524	4383206.356135086	3738.079430733931	3632.474126539097	3573.8889317122257	3574.052101086793	61.6498589549335	59.8530912711684	
6	284	120426.367641.1415	79717.3170250766	39.5697081157727	-102.1026074	233434.413330894	4383200.228100138	3720.280003434676	3631.480240213815	3574.0132636705076	3574.052101086793	61.6498589549335	59.8530912711684	
7	284	120427.366981.1415	79717.3170250766	39.5697123863057235	-102.1002682	233635.5214987387	4383196.70208138	3714.090444975196	3629.6271257210895	3573.741214214674	3573.9593880957156	60.6991250839554	56.66773821135393	
8	284	120428.366321.1415	79717.3170250766	39.5697148993325944	-102.097929	233836.6289671342	4383192.38272723	3722.8853412078247	3628.211567495702	3571.8571142983117	3572.461443135704	60.6991250839554	56.66773821135393	
9	284	120429.365661.1415	79717.3170250766	39.569717401	-102.095589	234037.735890254	4383187.78917644	3718.861233	3626.8014814281055	3571.003601578285	3570.8865783051877	55.79787984826074	55.81510267611782	
10	284	120430.365001.1415	79717.3170250766	39.569719905	-102.0932507	234238.8430002138	4383183.465729576	3738.731250405944	3625.3970041674615	3569.645005056873	3570.87408478176	55.79787984826074	55.81510267611782	
11	284	120431.364341.1415	79717.3170250766	39.569724017133876	-102.0909115	234439.49475680072	4383179.502513013	3749.879263258603	3623.98272	3568.78594884031	3568.4186957594364	55.23697239468905	54.87596200202326	
12	284	120432.363681.1415	79717.3170250766	39.569724894269197	-102.0885723	234641.05625021877	4383175.959517044	3764.28662888007	3622.05420411574	3567.750703405464	3567.968373068163	54.5764177061105	54.51908341375769	
13	284	120433.363021.1415	79717.3170250766	39.5697238206556	-102.0862321	234842.1624908764	4383171.21674438	3778.59433134153	3621.2185856408	3566.898212088726	3567.219524703584	54.3203424949351	53.9906905127153	
14	284	120434.36261.1415	79717.3170250766	39.569726965273	-102.083839	234854.2644838058	4383167.014792275	3792.09203839959	3619.8370223391	3566.08062379416	3566.54714721964	53.7535938949259	53.3290512326996	
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16	284	120436.361041.1415	79717.3170250766	39.569734819	-102.0792156	235445.479563475	4383154.78972504	3794.91512560716	3617.005520375997	3563.91243520085	3563.974212682519	53.183051175539	53.12130769307775	
17	284	120437.360381.1415	79717.3170250766	39.56973728271373	-102.0768764	235646.584770223	4383154.78972504	3794.91512560716	3617.005520375997	3563.91243520085	3563.974212682519	53.183051175539	53.12130769307775	
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21	284	120441.357741.1415	79717.3170250766	39.56974616084608	-102.067495	236454.10084608	4383139.082694825	3791.02206665521	3609.08062379416	3554.7398986542	3554.7398986542	55.48909274426094	54.01968433497904	
22	284	120442.357081.1415	79717.3170250766	39.5697495711311645	-102.065104	236662.7955464	4383133.94174802	3793.09758100011	3608.7993819896	3553.9215716617206	3553.9215716617206	55.48909274426094	54.01968433497904	
23	284	120443.356421.1415	79717.3170250766	39.56975201164232	-102.062812	236863.2103677532	4383129.80118902	3797.63028346792	3607.641732971071	3551.165172490035	3552.15438886807	56.47619814810423	55.4863351102075	
24	284	120444.355761.1415	79717.3170250766	39.569754452498306	-102.060502	237054.3179125455	4383125.66095134	3804.08041	3606.308972	3549.5327621261586	3551.443394384807	56.7524350523136	54.86557691	
25	284	120445.355011.1415	79717.3170250766	39.569756886313869	-102.0581628	237255.41681025043	4383121.52073511	3810.50359858604	3604.981379883797	3547.934766205268	3547.934766205268	57.040717185183	54.70486171348935	
26	284	120446.354411.1415	79717.3170250766	39.56975931510919	-102.0558236	237456.5196049748	4383116.8042069	3816.98075613024	3603.659496811876	3546.30630657496	3546.30630657496	57.040717185183	54.70486171348935	
27	284	120447.353781.1415	79717.3170250766	39.56976174038452	-102.053484	237657.6222116244	4383114.21168819	3820.706819725946	3602.324688319744	3544.754081150792	3548.307343638068	57.88881718	54.0353249661593	
28	284	120448.353121.1415	79717.3170250766	39.56976411511645	-102.051161	237858.7425240535	4383110.71175454	3821.70037368415	3601.0239849242	3544.105190248522	3544.105190248522	57.040717185183	54.0353249661593	
29	284	120449.35261.1415	79717.3170250766	39.56976637950944	-102.048899	238059.8257352454	4383104.942698	3822.7091719210239	3599.703851004929	3543.148168104947	3543.148168104947	57.040717185183	54.0353249661593	
30	284	120450.351801.1415	79717.3170250766	39.569768976138944	-102.046467	238260.9236518504	4383100.82347562	3823.71433645216	3598.435041367996	3542.928526005826	3542.928526005826	57.040717185183	54.0353249661593	
31	284	120451.351141.1415	79717.3170250766	39.56977134139505	-102.0441275	238462.029997564	4383096.684674752	3821.677915259967	3597.1509283709676	3542.727857099676	3542.727857099676	57.040717185183	54.0353249661593	
32	284	120452.350481.1415	79717.3170250766	39.56977376055372	-102.0417883	238663.1312709324	4383092.54179159	3816.61133233705	3595.873587592407	3543.765611558184	3543.765611558184	57.040717185183	54.0353249661593	
33	284	120453.349821.1415	79717.3170250766	39.5697761172698	-102.039491	238864.2322854771	4383088.40772821	3815.54515200744	3594.604500813349	3543.747311250992	3543.747311250992	62.879189623496	49.736886583682	
34	284	120454.349161.1415	79717.3170250766	39.569778587321341	-102.037109	239056.3330413967	4383084.79540255	3806.47670381174	3593.544025157729	3542.727857099676	3542.727857099676	62.879189623496	49.736886583682	
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36	284	120456.347841.1415	79717.3170250766	39.5697833665441	-102.0325417	239439.53377808435	4383079.94405235	3809.7581081896	3591.681049211811	3540.731049211811	3540.731049211811	62.879189623496	49.736886583682	
37	284	120457.347181.1415	79717.3170250766	39.56978573665441	-102.0300922	239638.6379532438	4383077.85605329	3795.64570553025	3589.634215196367	3539.46860287968	3539.46860287968	62.879189623496	49.73688	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgr.ft	SatHtKgrg.ft	SatHtBoth.ft
119	204	29398	-239061.1413	979177.3170250766	39.55965489198306	-101.838271	56175.97404229324	382733.337378388	3654.2648151935073	3477.875364313847	3374.166591515477	3374.2096758161358	107.7087772983698	103.6654870088991
120	204	29400	-292401.1413	979177.3170250766	39.5596748373524295	-101.835916	56359.5513343612	382729.218	3648.737985490401	3476.6455613311048	3371.930987474608	3371.9247965245636	104.7147358343787	104.7147358343787
121	204	29401	-291781.1413	979177.3170250766	39.559684953763214	-101.833923	56660.1323709092	382705.90936958	3651.151190129297	3475.6271988790875	3370.271698524775	3370.2594818316586	105.15142054531256	104.89716703842996
122	204	29402	-291081.1413	979177.3170250766	39.55971489252913	-101.831259	56579.15117440031	382700.90906213	3640.684355211895	3474.2199435452717	3369.240585554657	3370.04685540537	104.9748577869509	104.1730870089406
123	204	29403	-290421.1413	979177.3170250766	39.559734820332684	-101.8289136	56569.28873758806	382716.86223458	3638.332660403744	3473.024091794894	3368.7526305287292	3370.388975094988	104.7137186502462	102.6250340845013
124	204	29404	-289761.1413	979177.3170250766	39.5597546669442	-101.8265742	567163.3680600093	382712.744011658	3638.156164340851	3471.832957072084	3368.331093637463	3370.3084572724543	105.00816433551745	100.90381912762608
125	204	29405	-289141.1413	979177.3170250766	39.55977446387185	-101.8242349	567364.4643431585	382708.76020004295	3637.937959237037	3470.6653116088444	3367.8418142322633	3371.3971692524826	99.2715629248632	99.2715629248632
126	204	29406	-288441.1413	979177.3170250766	39.55979420600737	-101.8218955	567565.52386774194	382704.506209884	3637.8031542703203	3469.5014504592523	3365.9526727452383	3371.3971692524826	103.54841774735405	99.10936449814978
127	204	29407	-287781.1413	979177.3170250766	39.559813989533485	-101.819552	567766.8015915640	382700.399640023	3638.1284066737817	3468.354597378012	3365.9526727452383	3371.3971692524826	104.22735338859025	104.22735338859025
128	204	29408	-287121.1413	979177.3170250766	39.55983337351016	-101.8172168	567967.67895633972	382696.2572093042	3637.943847198045	3467.1543847198045	3362.2170355789143	3368.905175354506	104.9872914092022	98.2820319
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130	204	29410	-285801.1413	979177.3170250766	39.5598729056549	-101.8125381	56839.83296911328	382688.039254453	3626.60943652422	3464.899830580101	3357.6864071077563	3367.367820131611	107.21342347233576	97.53201404848993
131	204	29411	-285141.1413	979177.3170250766	39.5598942394306	-101.8101988	568570.9096174024	382683.922567241	3624.33855796482	3463.7584995403463	3355.69127485213	3366.3442722907164	107.21342347233576	97.53201404848993
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137	204	29417	-281181.1413	979177.3170250766	39.5600079	-101.7961626	569777.3645072773	382665.120727758	3620.843305523264	3457.3102426574454	3340.780773236464	3356.02605541514	116.3439233399907	101.1024071162305
138	204	29418	-280521.1413	979177.3170250766	39.560020864867	-101.7938233	569978.439490064	382659.11934046	3620.849602454225	3456.0633825143373	3338.18178225311375163	3347.469181718033	107.21342347233576	105.106281253393
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142	204	29422	-277881.1413	979177.3170250766	39.56011005258995	-101.7844568	56972.7307573395	382635.6358857	3625.00548785555	3451.65963801995	3328.818391870123	3333.569847038621	123.0394713210715	118.72015675049512
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157	204	29437	-268281.1413	979177.3170250766	39.5604248877433	-101.7493751	563798.8193854094	382579.0666142604	3625.83205567698	3434.69320556794	3312.4215802390517	3314.56217677803	129.82071313655842	127.5426854964798
158	204	29438	-267621.1413	979177.3170250766	39.560440317593021	-101.7470358	563999.886683062	382578.785539227	3625.67385298356	3433.430468617022	3311.614575590014	3314.56217677803	129.82071313655842	127.5426854964798
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160	204	29440	-266301.1413	979177.3170250766	39.56048966750246	-101.742327	564402.026353059	382574.653	3621.638518193856	3430.916228455347	3311.614575590014	3314.56217677803	129.82071313655842	127.5426854964798
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.L.t	BRrElevLogKrg.ft	BRrElevBotKrg.ft	SatHLogKrg.ft	SatHBotH.ft
234	284	209665	-209901.1413	79177.171720250766	39.561824732295854	-101.5435949	281492.135743749	4382216.064720979	4898.894512416995	318.3795697290706	319.015794184841	319.909055979461	327.3686253632963	327.38880074150984
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248	284	209668	-207921.1413	79177.171720250766	39.5618676504341	-101.5364685	282095.2868660331	4382197.205253	3497.307375131038	313.6130176152951	318.9734277688768	318.6180103547677	326.7913577581835	326.7913577581835
249	284	209669	-207261.1413	79177.171720250766	39.56188186617249	-101.534147	282296.33678174056	4382199.700592992	3482.223885410498	311.8796013407224	3184.3871906237533	318.5312974	327.59087071696513	326.65266771589223
250	284	209670	-206601.1413	79177.171720250766	39.5618903665816	-101.5318075	282497.38650274754	4382196.01102935	3497.1401975810635	310.3327117805186	3183.071339170406	3184.0913940639803	327.2657638814601	326.42520834120631
251	284	209671	-205941.1413	79177.171720250766	39.56191016195036	-101.529488	282698.43000813295	4382191.519847542	3470.4221566841164	310.6770712027492	3181.96808267712384	318.363105020917	326.70903759536941	326.410197515751
252	284	209672	-205281.1413	79177.171720250766	39.5619242404908	-101.5271285	282899.4853030283	4382187.942930454	3462.069789	310.6966685231215	3180.799126336919	3182.729810613352	326.1974271862025	326.42570579976939
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261	284	209681	-199341.1413	79177.171720250766	39.56204892925685	-101.5060731	284708.9193602852	4382150.62903797	3397.017105	310.2906802188927	317.82306813186155	317.82306813186155	326.105897112910261	326.41069009340783
262	284	209682	-198681.1413	79177.171720250766	39.56206255733605	-101.5037338	284909.96652781783	4382146.541457741	3388.4167158614246	310.3305749470476	317.8180150857242	317.8180150857242	326.105897112910261	326.41069009340783
263	284	209683	-198021.1413	79177.171720250766	39.5620761496377	-101.5013841	285111.0134839014	4382142.453831347	3382.17184024208	310.3245418884035	317.8075457588151	317.8075457588151	326.105897112910261	326.41069009340783
264	284	209684	-197361.1413	79177.171720250766	39.562091887813209	-101.4990546	285312.06022874103	4382138.36424606	3376.2422477062184	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
265	284	209685	-196701.1413	79177.171720250766	39.562103177100106	-101.4967151	285513.163055075	4382134.279327511	3370.4126551704395	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
266	284	209686	-196041.1413	79177.171720250766	39.56211661810319	-101.4943796	285714.17460245075	4382130.19270005	3364.3732665764295	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
267	284	209687	-195381.1413	79177.171720250766	39.56212984379854	-101.4920415	285918.2785469892	4382126.97834049	3358.70175775473	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
268	284	209688	-194721.1413	79177.171720250766	39.5621433772279	-101.489696	286116.2450975595	4382122.81894432	3356.83691903028	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
269	284	209689	-194061.1413	79177.171720250766	39.5621566809819	-101.4873571	286317.2907914686	4382118.039445	3354.994259950077	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
270	284	209690	-193401.1413	79177.171720250766	39.5621699570956	-101.4850176	286518.336273167	4382114.84569469	3353.161889259024	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
271	284	209691	-192741.1413	79177.171720250766	39.56218318	-101.4826781	286719.3514505286	4382109.761	3353.438902808744	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
272	284	209692	-192081.1413	79177.171720250766	39.56221963335058	-101.4803386	286920.42680734436	4382105.675073308	3352.334344476295	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
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275	284	209695	-190101.1413	79177.171720250766	39.56225961058662	-101.4732021	287523.5605386924	4382093.41945423	3350.1747654080332	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
276	284	209696	-189441.1413	79177.171720250766	39.562274860633804	-101.470806	287724.6047645186	4382089.33476933	3350.3189037234783	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
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278	284	209698	-188121.1413	79177.171720250766	39.56227446161567	-101.466316	288126.6925910737	4382081.156789594	3350.31892846548	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
279	284	209699	-187461.1413	79177.171720250766	39.56228732148035	-101.4639821	288327.736191948	4382077.08167635	3350.4707844010433	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
280	284	209700	-186801.1413	79177.171720250766	39.56230013151583	-101.4616228	288528.7758469892	4382073.97834049	3350.31892846548	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
281	284	209701	-186141.1413	79177.171720250766	39.5623129562707	-101.4593821	288728.7207704077	4382069.914109607	3350.515080815532	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
282	284	209702	-185481.1413	79177.171720250766	39.56232529909054	-101.4569436	288930.865476859	4382065.3105731	3350.31892846548	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
283	284	209703	-184821.1413	79177.171720250766	39.5623383899676	-101.454604	289131.9085179923	4382060.74420535	3350.31892846548	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
284	284	209704	-184161.1413	79177.171720250766	39.56235042890134	-101.4522645	289332.9511071171	4382056.64405252	3350.4707844010433	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
285	284	209705	-183501.1413	79177.171720250766	39.56236333	-101.449925	289533.99343742913	4382052.681604605	3350.590123660443	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
286	284	209706	-182841.1413	79177.171720250766	39.56237601	-101.4475895	289735.035697825	4382048.49903133	3350.590123660443	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
287	284	209707	-182181.1413	79177.171720250766	39.562388731340422	-101.4452408	289936.10690086	4382044.3363927	3350.4707844010433	310.3185265447	317.80019209128	317.80019209128	326.105897112910261	326.41069009340783
288	284	209708	-181521.1413	79177.171720250766	39.5624010265321	-101.442905	290137.113966473	4382040.33439627	3350.4707844010433	310.3185265447				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBotKgr.f	SatHtLog.f	SatHtBot.f
371	284	109791	-126741.1413	79177.17172050766	39.56327708526494	-121.2487241	306282.88477495644	3817102.281423008	3287.8470724756166	315.08742338294	3030.597350522717	3024.535832792121	114.4888828602205	110.55159054617297
372	284	109792	-126801.1413	79177.17172050766	39.56328674197387	-121.2463404	307023.905971171756	3816698.217692819	3326.302615453382	313.0247323	3029.505465889155	3023.5060638149483	110.45266089034848	110.46859161278765
373	284	109793	-126821.1413	79177.17172050766	39.56334937344826	-121.240405	307224.938787047616	3816894.154118429	3324.78546430048	313.0247323	3029.7684722893526	3022.54763493486845	110.34202172867558	110.3422687115628
374	284	109794	-126741.1413	79177.17172050766	39.563330292	-121.2417054	307425.959735115805	3816900.086086015	3323.211701406134	313.0068943748903	3027.922329016257	3021.912121471965	109.954473265453	109.954473265453
375	284	109795	-124011.1413	79177.17172050766	39.56331144092809	-121.2393659	307626.984151152094	3816866.0721872975	3321.7680119227566	312.7648488040763	3027.480569461657	3020.869780502639	103.36653109460167	109.67702395970819
376	284	109796	-123441.1413	79177.17172050766	39.56331991685238	-121.2370263	307828.0806969914	3816861.964679519	3320.42108997337	312.7598498294764	3027.0391308680914	3020.7465189613446	109.6419505164964	109.6419505164964
377	284	109797	-122781.1413	79177.17172050766	39.56332834758047	-121.2346867	308029.03289989704	3816777.902321619	3319.074155348427	312.723415534847	3025.9584794159587	3019.0223348247	102.76493611900033	108.702192871894
378	284	109798	-122121.1413	79177.17172050766	39.56333673311237	-121.2323471	308230.0569129304	3816783.939904709	3317.727460746185	312.71658367626446	3025.4631165814667	3017.337578152939	102.19525078115794	110.732722096858
379	284	109799	-121461.1413	79177.17172050766	39.56334507344826	-121.2290475	308451.0807371284	3816697.77052062	3315.58881141107857	312.65888141107857	3025.1662539595956	3017.0465553366453	101.42252563366453	101.42252563366453
380	284	109800	-120801.1413	79177.17172050766	39.56333368587437	-121.227668	308563.104746029	3816655.17572222	3315.9632461112	312.6513514642447	3024.9399737942317	3014.559400107076	101.57516264821561	110.95573635371561
381	284	109801	-120141.1413	79177.17172050766	39.563361618530585	-121.2252384	308833.176249159	3816661.65363962	3311.9028481825254	312.4347139871717	3024.7581961028172	3012.305272559267	99.6789376889444	112.118373124468
382	284	109802	-119481.1413	79177.17172050766	39.56339892327746	-121.222988	309034.1510827496	3816657.592421285	3308.25523395368	312.355071918162	3027.647498344843	3010.096637027073	98.8080806931903	113.25643819789179
383	284	109803	-118821.1413	79177.17172050766	39.563377982804	-121.2206492	309235.1741648426	3816653.931097289	3306.289464715827	312.365022929066	3024.408484866832	3008.97048381911	97.8660103	113.29054591015483
384	284	109804	-118161.1413	79177.17172050766	39.56336069718233	-121.2183097	309436.197054951	3816649.469992203	3304.242650554727	312.1755395152736	3024.257306527527	3009.493100255564	96.9180085804787	111.68423925970819
385	284	109805	-117501.1413	79177.17172050766	39.56339416634074	-121.2159707	309637.2197586824	3816645.490510709	3296.159489833328	312.074249842324	3023.9407838186326	3011.0606626650383	96.01358717825588	108.01358717825588
386	284	109806	-116841.1413	79177.17172050766	39.5634011036303	-121.2136305	309838.24227202626	3816641.348437907	3291.14893022103	311.9647131571914	3023.8478402067406	3011.0065502731327	95.11689130517324	105.11689130517324
387	284	109807	-116181.1413	79177.17172050766	39.5634101696717	-121.212909	310029.246077957	3816637.2879887675	3285.22111426363	311.7840098349401	3023.9120256841796	3014.91861220192247	93.6204052552117	102.8619430317612
388	284	109808	-115521.1413	79177.17172050766	39.56341810236035	-121.2089513	310240.2867539127	3816633.2271765326	3278.4111702624906	311.72297795861	3024.072446106784	3015.96125015496382	92.64965138518255	100.2020458459205
389	284	109809	-114861.1413	79177.17172050766	39.56342599100853	-121.2066118	310441.387143325	3816629.17476552	3271.6012936704	311.585318243032	3024.499272381584	3018.069295035261	91.0860543087355	97.5160220777101
390	284	109810	-114201.1413	79177.17172050766	39.563433834184636	-121.2042722	310642.3304894858	3816627.76734255	3264.791366589706	311.44396060567897	3024.321972	3014.4396012817787	90.11433417797984	96.11433417797984
391	284	109811	-113541.1413	79177.17172050766	39.56344163216434	-121.2019328	310843.3521	3816621.48337849	3259.1739394148	311.32681056041452	3023.31829628327	3018.914704886903	89.2624175391315	94.35950561451272
392	284	109812	-112881.1413	79177.17172050766	39.563449384747575	-121.199593	311044.374848526	3816616.869923108	3254.794012062878	311.21100587027516	3021.802395409695	3018.935725956508	88.7942649881644	93.76616493
393	284	109813	-112241.1413	79177.17172050766	39.5634571610371	-121.1972435	311264.3947096348	3816613.92490408	3251.9586152176884	310.9269857167487	3020.959857167487	3018.9269857167487	87.768164451	111.5658921485739
394	284	109814	-111561.1413	79177.17172050766	39.56346475429745	-121.1949138	311446.4514701569	3816608.87070759	3245.895197418402	310.6923209597176	3016.6484778515614	3015.422093184623	83.0430318015612	94.52023754
395	284	109815	-110901.1413	79177.17172050766	39.56347231718625	-121.1925743	311647.434569273704	3816604.81267357	3240.231374223313	310.45841448574295	3013.9042620890505	3014.4084771919693	81.55821887736907	94.04739766282728
396	284	109816	-110241.1413	79177.17172050766	39.56347994411599	-121.1902347	311848.4572603458	3816603.75785997	3235.3207351652745	310.179717221062	3011.4007946915617	3013.449950555565	95.7971225295040	93.7929216250573
397	284	109817	-109581.1413	79177.17172050766	39.56348747091688	-121.1878951	312049.477440483	3816606.69552329	3228.410096107236	310.5198860457704	3009.1350883740097	3012.695788076075	93.2612938121248	93.2612938121248
398	284	109818	-108921.1413	79177.17172050766	39.56349465252125	-121.185555	312250.490441622	3816592.637479074	3218.495457049197	310.421330048055	3007.020860570326	3010.290666226415	91.8162234110253	94.330446192
399	284	109819	-108261.1413	79177.17172050766	39.56349828926268	-121.183261	312451.5181807643	3816590.18094048	3216.641464221708	310.2847939627887	3006.74982793568	3010.1606626650383	90.768164451	94.330446192
400	284	109820	-107601.1413	79177.17172050766	39.56350170780147	-121.1810733	312654.3380415724	3816584.522004485	3214.833542221567	310.193456221567	3005.854273471867	3010.0966221567	89.768164451	94.330446192
401	284	109821	-106941.1413	79177.17172050766	39.56351712615509	-121.1785367	312853.5578448054	3816580.44665804	3214.029182030412	310.06468919290173	3000.507295583172	3003.359276039614	89.0786154887524	97.28765487524
402	284	109822	-106281.1413	79177.17172050766	39.5635224697322	-121.1761971	313054.57741197414	3816579.40748611	3212.31293783041267	309.999675080396	2998.1328730802175	3000.221370705411	88.16713047282703	99.0786154887524
403	284	109823	-105621.1413	79177.17172050766	39.56353168259477	-121.1738516	313255.59678631	3816578.35036831	3208.248362176064	309.96309355233	2995.27807737589	2996.6705854969136	87.66738291764386	101.075341583194
404	284	109824	-104961.1413	79177.17172050766	39.563538890319725	-121.171518	313456.6159999217	3816572.39304404	3206.104699550533	309.586457576172	2990.8917232132754	2991.521358285785	86.79427282629958	105.0569053737364
405	284	109825	-104301.1413	79177.17172050766	39.56354605922125	-121.1691784	313657.63091349893	3816567.237289791	3185.95097593584	309.5522297703699	2989.519228540595	2990.492212261915	85.6330886292934	114.793799447393
406	284	109826	-103641.1413	79177.17172050766	39.56355318	-121.166839	313859.632657653	3816560.18094048	3184.854373437487	309.4909857167487	2989.2647841332904	110.7538736758913	84.9013536984382	93.2612938121248
407	284	109827	-102981.1413	79177.17172050766	39.5635602531482	-121.1644992	314059.6725914058	3816556.12918555	3183.95805865666	309.24834638358084	2988.556183391576	2988.534661410318	83.0430318015612	94.04739766282728
408	284	109828	-102321.1413	79177.17172050766	39.56356728753226	-121.1621596	314260.690888269	3816552.09695818	3172.38727448353	309.109934798009	2988.63272874526	2988.365792603004	82.077600134283	105.7431421950047
409	284	109829	-101661.1413	79177.17172050766	39.5635746719485	-121.15982	314461.709282209	3816549.31471962	3168.815804011424	308.9734799636604	2986.9603352017134	2986.42562063075	80.7737448	103.0485988858605
410	284	109830	-101001.1413	79177.17172050766	39.56358121	-121.1574804	314662.773439382	3816543.958	3167.244198071929	308.3651515128486	2986.632643372006	2988.033570189402	99.7235081404257	100.32258132344032
411	284	109831	-100341.1413	79177.17172050766	39.56358801048833	-121.1551408	314863.7453256011	3816540.290793041	3165.854004608506	308.69633641394	2986.60413544254	2988.975172511555	97.632283941328394	95.08858132839394
412	284	109832	-99681.1413	79177.17172050766	39.56359494933505	-121.1528012	315064.7637602285	3816537.44780303	3165.645512398507	308.594794400233	2986.59734775623	2989.257483991317	95.62526267	96.3371344495197
413	284	109833	-99021.1413	79177.17172050766	39.5635981629554	-121.1504924	315265.1581807643	3816531.78304304	3164.815804011424	308.479392624602	2986.579392624602	2989.1670077862845	94.330446192	94.330446192
414	284	109834	-98361.1413	79177.17172050766	39.56359851149365	-121.148112	315466.79803534795	3816527.3494224	3165.228453	308.4823285751579	2986.6034921391	2988.649424449521	93	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SatHtLogKrg.ft	SatHtElev.ft
487	204	20917	-43581.14133	79177.17170250766	39.56401190954447	-100.9359345	320150.8331666618	381191.971760898	3087.05757864519	2891.6515506534968	2891.9689401740243	2892.2510555354506	68.47497474247	68.5644511804612
498	204	20918	-43291.14133	79177.17170250766	39.564014868438676	-100.9515949	323251.630689287	381187.356334216	3078.05689685398	2891.9128541825547	2888.919689467653	2890.12123492879	70.1926652378942	68.99142116867592
499	204	20919	-43281.14133	79177.17170250766	39.564011738103384	-100.9498253	323525.638612741	381171.717580765	3073.14717580765	2892.40641204107	2888.2760457484838	2889.01686896623	71.12816620381351	67.12816620381351
500	204	20920	-41401.14133	79177.17170250766	39.5640565663457	-100.9469157	327573.64514712314	381179.895334710	3072.2901965	2895.6978905307	2884.7196862143105	2887.874752	71.47823620896565	67.47823620896565
501	204	20921	-40941.14133	79177.17170250766	39.564023381	-100.9445761	329564.640423058	381175.8262097	3071.43231271876	2893.880963050194	2883.037080756257	2886.584343993257	70.95101554786243	67.40366231
502	204	20922	-40281.14133	79177.17170250766	39.56402626404164	-100.9422364	333155.646456503	381171.7280207	3070.57626111731	2892.27468785885	2882.4963161864925	2885.446867861264	69.131268939296	66.83048120775902
503	204	20923	-39821.14133	79177.17170250766	39.56402389999413	-100.9398968	333356.6468126387	381175.76565011	3069.829763137023	2890.567904514385	2882.591765222088	2885.155431	67.9758266257678	65.4116351670907
504	204	20924	-38961.14133	79177.17170250766	39.56403169065704	-100.9375752	333557.6506142014	381163.7247734	3068.73171680689	2894.858703473838	2883.432077398024	2885.1936855465005	65.4264956993541	63.66501789313725
505	204	20925	-38301.14133	79177.17170250766	39.56403326148844	-100.9352176	333758.6254511387	381159.688624164	3068.557671407676	2894.151991903268	2884.272256548436	2885.49790776564	63.91477254662641	61.65491337870324
506	204	20926	-37641.14133	79177.17170250766	39.5640389468221	-100.9325797	333959.6541208064	381155.63557283	3067.9216259485	2894.45713114578	2885.230782770593	2885.773225176903	62.01525904308478	59.6731473176007
507	204	20927	-36981.14133	79177.17170250766	39.5640389159844	-100.9303883	334016.6556	381151.619	3064.34913338079	2894.341686963428	2886.22488810560097	2885.990692281367	57.75171759712506	
508	204	20928	-36321.14133	79177.17170250766	39.5640240151708	-100.9281987	334361.65996462146	381147.58254075	3057.840193689235	2892.0384207333586	2887.36310168306	2886.830546149646	55.025731935825505	55.17353531461266
509	204	20929	-35661.14133	79177.17170250766	39.5640446623816	-100.9258591	334562.6588781281	381145.51408724	3051.33125401297	2940.335915439493	2888.68490721065	2887.766564132037	51.65605002288417	52.55272613364559
510	204	20930	-35001.14133	79177.17170250766	39.5640488576161	-100.9235195	334763.65921917744	381139.517794533	3044.82214324613	2938.636992212597	2890.450602779784	2889.688008554261	48.18006441471354	48.18063691507
511	204	20931	-34341.14133	79177.17170250766	39.5640492006749	-100.9217198	334984.6609072548	381135.48497994	3037.766890314596	2936.922261	2892.68471078336	2889.68339198847	44.9562276754545	44.9562276754545
512	204	20932	-33681.14133	79177.17170250766	39.56405158921574	-100.9184022	335165.6600205666	381131.45121907	3030.164951937564	2935.210690936217	2894.91980330024	2895.097539212344	40.208903011772	39.5115682877624
513	204	20933	-33021.14133	79177.17170250766	39.56405387314642	-100.9165006	335366.661353881	381127.418267835	3022.563025738625	2933.44645747107	2895.48403939004	2896.57103693688	38.01007366306886	36.91651115744896
514	204	20934	-32361.14133	79177.17170250766	39.5640561187948	-100.914161	335567.6617449265	381123.358151919	3014.96105296001	2931.73992545733	2891.465958546745	2889.425895213987	40.0739404798786	42.4037343334165
515	204	20935	-31701.14133	79177.17170250766	39.5640583051482	-100.9118213	335768.6619788116	381119.153	3003.1033839756033	2893.048452159457	2885.308339237275	2883.96981	40.0720232729665	48.0786573727708
516	204	20936	-31041.14133	79177.17170250766	39.564058305375275	-100.9094817	335969.662047466	381115.320679768	3004.9889	2928.3177861139206	2879.327006630381	2881.14122588296	44.99054547612375	49.49054547612375
517	204	20937	-30381.14133	79177.17170250766	39.56405825689294	-100.9071421	336170.6619628122	381111.2888958	3000.8763957675765	2926.581185243164	2873.845622228858	2878.5638402475384	52.73566304278426	50.296379069417
518	204	20938	-29721.14133	79177.17170250766	39.56406461453553	-100.9048025	336371.6617172194	381107.156775137	2998.76201663563	2894.838259002227	2886.961517456206	2886.733383094081	50.677755021776	51.004766141267
519	204	20939	-29061.14133	79177.17170250766	39.56406735814844	-100.9024619	336572.6616235473	381103.2586019	2996.853438617584	2894.838259002227	2886.961517456206	2886.733383094081	50.677755021776	51.004766141267
520	204	20940	-28401.14133	79177.17170250766	39.56406595127814	-100.9001322	336773.6607495301	381099.193622038	2991.67102002967	2891.3313276390554	2886.322304955387	2887.963305819107	61.00901813516684	53.73828181984245
521	204	20941	-27741.14133	79177.17170250766	39.5640705174749	-100.8977838	336974.660268749	381095.162	2972.20120225944	2919.567448081448	2886.6121323739867	2884.0714979347184	55.956531642761185	55.956531642761185
522	204	20942	-27081.14133	79177.17170250766	39.5640723642953	-100.895444	337175.65914921474	381091.313986005	2963.1992213185945	2917.7995434082763	2885.2387441072065	2886.630689	64.6607930106989	57.1685473260461
523	204	20943	-26421.14133	79177.17170250766	39.56407242658394	-100.8931044	337376.6618118358	381087.101	2956.11573217275766	2916.027317275766	2880.1587453763573	2857.00159034617	65.858719940929	59.02571214114977
524	204	20944	-25761.14133	79177.17170250766	39.5640761334067	-100.8907467	337577.659817162	381083.0704503585	2950.9507629046716	2914.250412255683	2887.432688242948	2852.4742721310354	66.920742783648	61.77613936447406
525	204	20945	-25101.14133	79177.17170250766	39.56407875489976	-100.8884251	337778.655640624	381079.0396924958	2946.785784275972	2912.486850707428	2884.679138830878	2849.679138830878	67.79841177662405	67.79841177662405
526	204	20946	-24441.14133	79177.17170250766	39.56407945126123	-100.8860578	337979.659420308	381075.009462038	2942.851045182287	2910.6181054218287	2884.679138830878	2849.679138830878	67.79841177662405	67.79841177662405
527	204	20947	-23781.14133	79177.17170250766	39.5640811	-100.8837459	338180.652386973	381073.974964693	2941.271777086422	2908.89712261407	2880.359283700374	2873.54622407202	68.5340239576123	65.51309021
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529	204	20949	-22461.14133	79177.17170250766	39.56408426915958	-100.8790666	338582.6488621833	381062.92	2954.2056201041193	2905.2908304664044	2836.387697980215	2838.4746851706465	69.3303148438952	66.8164512933983
530	204	20950	-21801.14133	79177.17170250766	39.56408574730395	-100.876727	338783.644449786	381058.91206123	2960.672350139139	2903.486883971331	2834.54775293335242	2835.9350632335242	69.83935397397257	67.5276490738885
531	204	20951	-21141.14133	79177.17170250766	39.56408725510335	-100.8743874	338984.64415143814	381053.662168814	2963.699077822574	2901.671207889405	2832.823192390033	2833.214356182035	68.848015506677	68.848015506677
532	204	20952	-20481.14133	79177.17170250766	39.5640898027856	-100.8720477	339185.641701803	381050.833232978	2965.78267464378	2899.540170176363	2831.0217550017506	2831.0217550017506	68.6431401589587	68.6431401589587
533	204	20953	-19821.14133	79177.17170250766	39.5640905625673	-100.8697871	339386.639062783	381046.8047228025	2967.177195966176	2898.037810592646	2828.694443258403	2828.99846712004	68.3393763	69.0335105
534	204	20954	-19161.14133	79177.17170250766	39.56409135053863	-100.867395	339587.633507006	381042.776359484	2962.457030628795	2894.201230640465	2828.276491407731	2827.154822824376	67.9337885316536	69.0554074396740
535	204	20955	-18501.14133	79177.17170250766	39.56409268461925	-100.8650289	339788.6341383535	381039.748154211	2966.174053691	2896.245660134257	2826.947899843857	2825.496516334777	68.933856156857	68.88620937894802
536	204	20956	-17841.14133	79177.17170250766	39.56409329003939	-100.8626892	339989.630764342895	381034.720196176	2974.022889725406	2892.550476	2822.9278353727696	2826.09539129812	69.6226074144004	64.4551369573948
537	204	20957	-17181.14133	79177.17170250766	39.564095128191035	-100.8603496	340190.6271194054	381030.624955659	2981.072881195756	2890.217897154565	2822.8129027597928	2820.8871981198862	67.6794427046294	64.10510530476871
538	204	20958	-16521.14133	79177.17170250766	39.56409626116034	-100.8580	340391.62373752013	381026.646433283	2989.71926790411	2888.87056054876	2821.70809629691	2821.73873032467	67.16984439256478	67.1567017693257
539	204	20959	-15861.14133	79177.17170250766	39.56409735814844	-100.8557198	340592.6410258104	381022.719356104	2992.85104293261	2887.104293261	2820.814922839561	2820.814922839561	67.1567017693257	67.1567017693257
540	204	20960	-15201.14133	79177.17170250766	39.56409845549604	-100.8533307	340793.6165099296	381018.610332037	2990.439131189292	2885.1778026512	2819.951753320626	2819.951753320626	67.1567017693257	67.1567017693257
541	204	20961	-14541.14133	79177.17170250766	39.564099479263236	-100.8509911	340994.612664760							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatBathLogKgr.ft	SatBathBoth.ft
621	284	10043	39576.8586730335	971717.3170250766	39.56402917368225	-100.6591419	45754.7923	4380685.119210607	2853.966845049852	2767.699288369377	2698.062071	2685.955243740252	81.637231798852794	81.74404479868556
624	284	10044	40238.8586730335	971717.3170250766	39.56402644067131	-100.658213	357676.7632798407	4380681.110353115	2841.9436300020179	2765.533096013798	2681.9470692763384	2681.8526261924021	83.706746040089748	83.706746040089748
625	284	10045	40898.8586730335	971717.3170250766	39.56402363462884	-100.656426	357877.7632798407	4380677.101122649	2873.3531370802253	2680.0087359680554	2681.195236347431	83.2467272866747	82.15673654548007	82.15673654548007
626	284	10046	41418.8586730335	971717.3170250766	39.56402039056774	-100.652123	358074.763203905674	4380673.03280828	2826.95132301953	2681.164533958903	2680.142038958903	83.1860142266042	81.0931063166707	81.0931063166707
627	284	10047	42218.8586730335	971717.3170250766	39.56401797045321	-100.6497834	358279.7277150371	4380669.058004854	2820.3425416163232	2758.973847114354	2681.6657923710683	2681.973206323279	77.3080545834037	77.18604084
628	284	10048	42878.8586730335	971717.3170250766	39.5640156655208	-100.6474438	358480.7112371742	4380665.07089515	2816.0611416165274	2756.785636	2684.292862489996	2684.680058218691	72.7277326214107	72.177508936893
629	284	10049	43538.8586730335	971717.3170250766	39.56401206753425	-100.6451042	358681.6942631623	4380661.09315191	2811.799389438376	2687.769898517217	2686.988710053587	68.3505451665441	67.6151841479044	67.6151841479044
630	284	10050	44198.8586730335	971717.3170250766	39.56400909345575	-100.6427465	358882.67779471257	4380657.01765509	2807.53668727545	2752.431655653279	2691.650275762507	60.713807	61.27234291338482	61.27234291338482
631	284	10051	44898.8586730335	971717.3170250766	39.56400639440519	-100.6404248	359083.6610881487	4380653.054144115	2803.70077643175	2751.27330198113	2698.4493645437583	60.2220525356478	71.45888576678	71.45888576678
632	284	10052	45518.8586730335	971717.3170250766	39.56400394470755	-100.6380953	359284.5440091806	4380649.40728993	2798.8752555882	2748.124967108128	2694.54561	59.274902575233	60.41974262571468	60.41974262571468
633	284	10053	46178.8586730335	971717.3170250766	39.56399981	-100.6357457	359585.6269132039	4380645.04	2790.8786787449	2745.953115964276	2679.998314007176	58.682314007176	63.5735285551979	63.5735285551979
634	284	10054	46838.8586730335	971717.3170250766	39.5639962465973	-100.6334061	359866.609221547	4380641.03369097	2793.467197901356	2743.875764386449	2675.665493266573	58.20925105092971	75.0831855403198	75.0831855403198
635	284	10055	47498.8586730335	971717.3170250766	39.5639933451199	-100.6310664	359887.5921961636	4380637.02215847	2791.730323113313	2741.74080167483	2671.4688541413375	56.26734448821079	70.35528312640391	70.35528312640391
636	284	10056	48158.8586730335	971717.3170250766	39.563990119130736	-100.6287268	36008.5746354611	4380633.021	2791.668829043954	2739.6888291253129	2667.5403549807293	56.46391571293129	72.1438473202023	72.1438473202023
637	284	10057	48818.8586730335	971717.3170250766	39.56398679855198	-100.6263872	360289.5894502565	4380629.041916124	2791.6029397174594	2737.619955022082	2664.204897630286	56.58487699112086	73.4172257395065	73.4172257395065
638	284	10058	49478.8586730335	971717.3170250766	39.56398343277578	-100.6240476	360490.5391105176	4380625.009091036	2791.53905476024	2735.569812897312	2661.1234836650022	56.571009060327	74.33107603229519	74.33107603229519
639	284	10059	50138.8586730335	971717.3170250766	39.56398002180209	-100.621708	360691.5211415497	4380621.03482483	2791.46256898976	2733.530051999485	2658.165104035954	56.5705609106555	75.36404799587038	75.36404799587038
640	284	10060	50798.8586730335	971717.3170250766	39.56397655630392	-100.6193683	360892.50304967014	4380616.99800497	2793.7635762751925	2737.7635762751925	2658.165104035954	56.5705609106555	75.36404799587038	75.36404799587038
641	284	10061	51458.8586730335	971717.3170250766	39.56397306426231	-100.6170287	361093.48481850245	4380612.9929140505	2795.762835661066	2739.497935850616	2660.924638410031	56.58929147183241	75.695929147183241	75.695929147183241
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644	284	10064	53438.8586730335	971717.3170250766	39.5639622895717	-100.610009	361696.425249665	4380590.978687448	2798.84076589170	2723.561952897701	2638.16352546352	56.68890772405107	84.005716253375	84.005716253375
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647	284	10067	55418.8586730335	971717.3170250766	39.56395110904334	-100.602991	362299.3726356934	4380579.668408292	2791.366540173787	2717.770151085231	2634.566888100876	56.8326713423263	82.691472384322	82.691472384322
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650	284	10070	57398.8586730335	971717.3170250766	39.56393952	-100.5959722	362902.3417562345	4380576.96607237	2807.357115675373	2713.115675373	2644.8933628240235	56.9606693607933	77.24946191	77.24946191
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652	284	10072	58718.8586730335	971717.3170250766	39.56393156617774	-100.591293	363304.2755114544	4380569.95772025	2808.499025447127	2709.499025447127	2639.06271212143	56.9606693607933	77.24946191	77.24946191
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665	284	10085	67298.8586730335	971717.3170250766	39.5638771090462	-100.5608793	365917.18255449	4380516.34979816	2807.619459113397	2710.619459113397	2644.8933628240235	56.9606693607933	77.24946191	77.24946191
666	284	10086	67958.8586730335	971717.3170250766	39.56387304089367	-100.5585384	366117.1981940028	4380512.3366178	2807.619459113397	2710.619459113397	2644.8933628240235	56.9606693607933	77.24946191	77.24946191
667	284	10087	68618.8586730335											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIveKgr.f	BREIveBothKgr.f	SatHtBoth.f	SatHtBoth.f
9	25	21019	-365661.1413	979837.3170250766	39.5898676066982	-102.0956222	43041.8906040776	4383389.12294012	3727.667121625193	3526.426847719252	3570.765779171264	3570.8802562600922	54.6610698	54.54659511832966
10	25	21010	-365001.1413	979837.3170250766	39.55901179724018	-102.023269	23422.9973911616	4383394.57394446	3730.037177796859	3670.012066773217	3570.132508883034	3570.214572068483	53.0794588491372	53.79749470437371
11	25	21011	-365041.1413	979837.3170250766	39.5590369634068	-102.009437	23444.10376785	4383390.83371498	3745.367243349075	3622.80310642385	3569.989788024344	3569.989258120724	53.6932322930044	53.804795190776615
12	25	21012	-363681.1413	979837.3170250766	39.55901604824074	-102.088004	23655.2101754315	4383376.69257121	3758.055118281456	3621.200126287645	3568.1421677533367	3568.4364	53.079653430982	52.76372510065624
13	25	21013	-363021.1413	979837.3170250766	39.55908657583754	-102.0862652	23486.3617302948	4383372.549	3771.943782146314	3619.803261132691	3567.935996952831	3567.8853874717975	52.26366149960604	51.91787366609375
14	25	21014	-362361.1413	979837.3170250766	39.5591141166527	-102.083826	235047.421907968	4383368.40681236	3785.232068147814	3618.4126615965586	3566.959124006488	3567.417578370168	50.95085723423026	50.79340191769779
15	25	21015	-361701.1413	979837.3170250766	39.55913622037022	-102.0815867	235248.5278018474	4383364.26049052	3790.82539820464	3617.0284729996824	3565.739291553677	3566.2350721819846	51.289184460539	50.79340191769779
16	25	21016	-361104.1413	979837.3170250766	39.55916094776335	-102.0792475	235449.6329015835	4383361.1279443	3788.724953020495	3615.650833820493	3564.960346628802	3564.9607242158462	50.69049224128039	50.74311465460968
17	25	21017	-360381.1413	979837.3170250766	39.55918564833394	-102.076983	235666.7353799582	4383355.97969618	3785.634118456313	3614.2799	3562.799858982633	3562.741978192323	51.48953449716784	51.578319190776615
18	25	21018	-359721.1413	979837.3170250766	39.55921033017146	-102.074569	235851.9422230074	4383351.87766425	3784.52328499812	3612.915754598177	3560.30436421959	3560.31949037937	52.6118717521856	52.5862546242403
19	25	21019	-359061.1413	979837.3170250766	39.559234913016304	-102.0722297	236052.946810522	4383347.89564134	3784.66373998805	3611.5555622162783	3558.2384334464373	3558.3892677687785	53.121726784104	53.1663435409984
20	25	21010	-358401.1413	979837.3170250766	39.55925947772866	-102.0698904	236254.0508187087	4383343.55488561	3787.04454436333	3610.198409025549	3556.4170407225383	3556.764294739442	53.14845103010684	53.1943196081072
21	25	21011	-357741.1413	979837.3170250766	39.55928399725496	-102.0675152	236455.1547116582	4383341.43228797	3789.427288838615	3608.846491600948	3554.65765088621	3555.337619326408	53.18880273273102	53.15482722453936
22	25	21012	-357081.1413	979837.3170250766	39.55930847159513	-102.0652119	236656.2583244573	4383335.2193562	3791.80897133189	3607.499792537082	3552.8977567013417	3553.8249342380195	54.602035824904	53.67485299062635
23	25	21013	-356421.1413	979837.3170250766	39.5593290074916	-102.0628277	236857.3671316283	4383331.31579944	3795.78448313899	3606.158926716467	3551.170349919806	3550.8897590671852	54.98817934766081	54.2619520021814
24	25	21014	-355761.1413	979837.3170250766	39.559353728	-102.0605334	237058.46485052485	4383328.99078737	3801.35348999619	3604.822817647086	3549.553774685792	3551.345488781361	55.20942786129442	53.7402977
25	25	21015	-355101.1413	979837.3170250766	39.559381623498574	-102.0581194	237259.56770874094	4383318.846017528	3806.492684246267	3603.4927671734827	3547.9076593917958	3547.158123814626	55.80507418151203	53.33643435702001
26	25	21016	-354441.1413	979837.3170250766	39.55940591709385	-102.055849	237460.6703066812	4383312.702687135	3812.49182025197	3602.168012	3546.3587464137913	3549.1066921260026	55.88965303248594	53.6013195013703
27	25	21017	-353781.1413	979837.3170250766	39.55943017	-102.0535156	237661.772645521	4383314.57034187	3815.686288119089	3600.848549114968	3544.8372020919794	3548.207402573644	56.0124702988755	52.641178102378
28	25	21018	-353121.1413	979837.3170250766	39.55945436872534	-102.0511763	237862.8747225125	4383310.63035842	3816.53608822909	3599.336042978791	3543.304114	3547.47358169267	56.2329292278319	52.6033612882641
29	25	21019	-352461.1413	979837.3170250766	39.559478526761474	-102.0488371	238063.97634901212	4383306.291157171	3817.375888	3598.234066507806	3541.6999030359885	3548.549105344227	56.3347032148214	51.31995531280836
30	25	21010	-351801.1413	979837.3170250766	39.559502539611075	-102.0464878	238265.0785991418	4383323.151899262	3818.213588	3596.33964738289	3539.959869577197	3548.92841633599	56.963071474268975	50.4107547628975
31	25	21011	-351141.1413	979837.3170250766	39.55952516434484	-102.043778	238476.13897474	4383328.183252942	3788.131524662934	3588.137974059317	3538.96484178312	3538.96484178312	54.7328267612152	54.7328267612152
32	25	21012	-350481.1413	979837.3170250766	39.55955072976264	-102.041913	238667.28054005438	4383318.874028985	3811.379631947587	3594.376401049047	3533.6319563394365	3532.70232961494	58.74444605168134	48.67407143410596
33	25	21013	-349821.1413	979837.3170250766	39.5595740705555	-102.03948	238865.3813218437	4383289.735	3806.5422275882838	3570.782893594	3532.76002963804	3545.016710423888	60.3475993105487	48.0916157
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36	25	21016	-347841.1413	979837.3170250766	39.55964637	-102.0324622	239471.6812162728	4383277.32066478	3793.195286523235	3589.36189841308	3523.406571588252	3540.31291687394	65.953178258055	46.0494577706641
37	25	21017	-347181.1413	979837.3170250766	39.55967016434484	-102.029778	239676.167676258	4383273.183252942	3788.131524662934	3588.137974059317	3522.442754520493	3522.442754520493	67.1847282487429	54.7328267612152
38	25	21018	-346521.1413	979837.3170250766	39.5596935710105	-102.0277538	239873.8813551194	4383269.048	3789.09655271	3587.54502518962	3520.302792339674	3520.302792339674	68.19520819824	50.4248105135383
39	25	21019	-345861.1413	979837.3170250766	39.5597162187023	-102.0254443	240074.980588368	4383264.90349975	3782.935462211315	3585.72663	3525.035614511686	3520.13186517503	68.8002101625781265	55.6137980623928
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41	25	21021	-344541.1413	979837.3170250766	39.559764886474	-102.0207657	240477.1782822394	4383256.63420138	3782.53312898287	3583.3671454275027	3525.577928899433	3528.321952489447	67.78921652755935	55.0451924578596
42	25	21022	-343881.1413	979837.3170250766	39.5597846925596	-102.0184264	240678.2764749803	4383252.48016786	3782.33049828986	3582.20634197316	3525.041339064976	3527.201736314206	67.1650022095365	55.00460537804226
43	25	21023	-343221.1413	979837.3170250766	39.55981195467714	-102.0161872	240879.3744930302	4383248.361334013	3780.921212618693	3581.058878	3524.427899959575	3526.025776283875	68.56308717372386	55.03280141939436
44	25	21024	-342561.1413	979837.3170250766	39.5598354774116	-102.013778	241080.4722974549	4383244.22547704	3778.310710123815	3578.92184787885	3522.442754520493	3522.442754520493	69.1847282487429	54.7328267612152
45	25	21025	-341901.1413	979837.3170250766	39.5598589595801	-102.0110682	241281.5705694721	4383238.9582588	3776.698291188997	3578.799209909074	3520.07459021009	3527.434889796841	54.7328267612152	54.7328267612152
46	25	21026	-341241.1413	979837.3170250766	39.559882299817666	-102.0090693	241482.66802515622	4383235.9534176	3774.085721137183	3577.6889955846014	3522.672344972583	3522.672344972583	69.1847282487429	54.7328267612152
47	25	21027	-340581.1413	979837.3170250766	39.5599056449005	-102.00673	241683.7652049042	4383231.81317524	3770.50192484365	3576.5868582015877	3522.3035	3522.3035	69.1847282487429	54.7328267612152
48	25	21028	-339921.1413	979837.3170250766	39.559928943975116	-102.0043907	241884.8621289852	4383227.683	3766.59444303934	3575.49706	3521.3197601434954	3521.3197601434954	69.1847282487429	54.7328267612152
49	25	21029	-339261.1413	979837.3170250766	39.5599562198272846	-102.0020514	242085.9587974966	4383223.548	3763.140977340134	3574.4198216479117	3518.758916409217	3518.758916409217	69.1847282487429	54.7328267612152
50	25	21010	-338601.1413	979837.3170250766	39.5599754	-101.9997121	242287.05521067997	4383219.11553308	3759.85849623887	3573.2632961718	3515.71409208415	3515.71409208415	69.1847282487429	54.7328267612152
51	25	21011	-337941.1413	979837.3170250766	39.5599981733008	-101.997438	242488.13897474	4383214.22547704	3758.92184787885	3572.962184787885	3512.442754520493	3512.442754520493	69.1847282487429	54.7328267612152
52	25	21012	-337281.1413	979837.3170250766	39.560021690041516	-101.9950335	242687.27127718894	4383211.44154723	3758.055118281456	3571.200126287645	3509.874096173018	3509.874096173018	69.1847282487429	54.7328267612152
53	25	21013	-336621.1413	979837.3170250766	39.56004476	-101.9926482	242880.324920327	4383207.09989867	3756.16728808019	3570.213280672935	3507.11512664544	3507.115126		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevBothKrg.ft	BRIElevBothKrg.ft	SatHtKilos.ft	SatHtBoth.ft
135	2812025	-282501.1413	979837.3170250766	39.56178301732096	-101.8008663	259379.391566066	4328868.76093793	3620.840484290325	3447.704217928027	3344.771124165793	3355.6693983625823	3347.0390556223403	3342.0834213654471	
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137	2812027	-281181.1413	979837.3170250766	39.56182161780338	-101.7961875	259781.4843135953	4328860.392825814	3621.244712780545	3465.542494571728	3342.402966128532	3352.630113187834	3347.0390556223403	3342.0834213654471	
138	2812028	-280521.1413	979837.3170250766	39.56184050251593	-101.7938481	259962.5841	4328861.451120051	3621.4475244130335	3454.479958861626	3337.0653282679833	3337.28737730281	3347.0390556223403	3342.0834213654471	
139	2812029	-279861.1413	979837.3170250766	39.56186003572187	-101.7915086	260183.6386373314	4328862.298696272	3621.668387371697	3442.42320843907	3334.563176180403	3338.185421529608	3347.0390556223403	3342.0834213654471	
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141	2812031	-278541.1413	979837.3170250766	39.56188828	-101.7868298	260585.7886052028	4328864.09350162	3622.143184997467	3451.32184997467	3330.09525037068	3334.812898432472	3347.0390556223403	3342.0834213654471	
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158	2812048	-267321.1413	979837.3170250766	39.5622160918919	-101.7470564	264004.0095563246	4328774.153005973	3624.00142075575	3432.08159212887	3311.6832410518136	3313.8525672657614	3347.0390556223403	3342.0834213654471	
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167	2812057	-261381.1413	979837.3170250766	39.5623789321116	-101.7260043	265813.6297637159	4328737.164280076	3612.259074084266	3420.90946479796	3308.02344824056	3308.7408466162	3347.0390556223403	3342.0834213654471	
168	2812058	-260721.1413	979837.3170250766	39.562396309919406	-101.7236649	266014.619492634	4328733.05473724121	3610.823473724213	3419.648079859278	3305.404800614733	3305.929900548115	3347.0390556223403	3342.0834213654471	
169	2812059	-260061.1413	979837.3170250766	39.56241464143556	-101.7213254	266215.764996004	4328728.549891507	3608.387133399996	3418.380162461072	3302.209671552534	3302.301389073334	3347.0390556223403	3342.0834213654471	
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171	2812061	-258741.1413	979837.3170250766	39.56245106891455	-101.7166485	266617.8890599655	4328720.39091177	3605.820542857075	3415.815764716296	3300.696420703425	3302.598493023494	3347.0390556223403	3342.0834213654471	
172	2812062	-258081.1413	979837.3170250766	39.5624678483111	-101.714307	266818.9615147325	4328716.62718832	3598.996290301967	3414.542480326423	3302.911087336521	3302.942218966728	3347.0390556223403	3342.0834213654471	
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176	2812066	-255441.1413	979837.3170250766	39.56253919666711	-101.7049482	267623.103595951	4328700.19343476	3595.38787636359	3409.578909020887	3300.26660778654	3300.9194349309	3347.0390556223403	3342.0834213654471	
177	2812067	-254781.1413	979837.3170250766	39.56255799143017	-101.7026037	267824.3629677149	4328696.77495158	3594.47795518	3408.7548134508	3300.1748134508	3301.27548134508	3347.0390556223403	3342.0834213654471	
178	2812068	-254121.1413	979837.3170250766	39.56257793410355	-101.7002702	268025.362104942	4328691.900115796	3591.826674116655	3407.539011	3300.72656480517547	3302.222353966516	3347.0390556223403	3342.0834213654471	
179	2812069	-253461.1413	979837.3170250766	39.562597040238	-101.6979308	268226.4273545233	4328687.87378075	3589.						

ix	ty	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatHtKgr.f	SatHtBothKgr.f
261	285	10421	-199341.1413	979837.3170250766	36.563861804819105	-01.5060907	28473.01594416897	4328351.90448023	3404.7710024169282	331.25156397471	3171.1980937425133	3174.724273170961	319.01706265495796	115.49088322681018
262	285	10422	-196881.1413	979837.3170250766	36.56387545335207	-01.5037512	284914.0624303526	4328347.161393932	3396.26404737948	3402.023985478393	3170.612615655991	3173.3025645565843	317.8678289185843	115.09863396237273
263	285	10423	-198461.1413	979837.3170250766	36.56388893	-01.5014116	285115.19152536	4328343.729599696	3392.886454158076	3396.905454158076	3171.618100945329	3171.62200035237476	115.49088322681018	115.49088322681018
264	285	10424	-197361.1413	979837.3170250766	36.56390255477316	-01.4990721	285416.155668833	4328339.641	3388.92762642544	3384.831356547289	3170.564230386219	3170.3123565616333	117.26712325656172	114.33969670384572
265	285	10425	-196701.1413	979837.3170250766	36.56391604770123	-01.4967325	285517.20179138516	4328335.55350764	3384.8716062781138	3283.085210613276	3165.9685314866647	3170.649696950894	117.11667933211622	112.43254116229173
266	285	10426	-196041.1413	979837.3170250766	36.56392949543228	-01.4943933	285718.248063107	4328331.4664376051	3381.368164896535	3164.211912624646	3170.277679109404	117.155622719164	111.09408518652258	111.09408518652258
267	285	10427	-195381.1413	979837.3170250766	36.56394289787231	-01.4920254	285819.2939442136	4328327.379421166	3374.3260874740375	3279.074961839087	3161.8981660528634	3168.5974143617527	117.7793301330451	111.08008212215599
268	285	10428	-194721.1413	979837.3170250766	36.56395625571231	-01.4897138	286120.3391490117	4328323.2691349017	3368.402050742338	3278.07177524223	3159.092528830831	3166.363492374444	118.1944648237444	111.643787926778
269	285	10429	-194061.1413	979837.3170250766	36.56396967463938	-01.4873745	286231.3695753822	4328319.2601703836	3376.30614789884	3276.30614789884	3158.346534333825	3166.672487335825	120.025961345559	109.6781274653071
270	285	10430	-193401.1413	979837.3170250766	36.56398284417598	-01.4850347	286322.403239611	4328315.11957377	3347.5574412802534	3274.70462502407	3153.9175359817587	3172.362892147835	102.336675068948	102.336675068948
271	285	10431	-192741.1413	979837.3170250766	36.56399605173394	-01.4828952	286723.4753656204	4328311.03379717	3328.2884188827	3273.057743334562	3151.81890325958	3167.922712433891	121.2384007535435	107.1605309106107
272	285	10432	-192081.1413	979837.3170250766	36.56400923273578	-01.4803556	286924.5201973336	4328306.947943838	3328.655256218675	3271.413567	3149.729336381415	3166.556332313256	121.684230434361	110.757118732545
273	285	10433	-191421.1413	979837.3170250766	36.56402236	-01.478016	287125.5648183366	4328302.468270373	3318.030268360383	3269.75737364552	3147.514666182057	3166.453461446145	122.058075548383	113.332312290307
274	285	10434	-190761.1413	979837.3170250766	36.5640354027497	-01.4756765	287326.60932186713	4328298.76891415	3308.409200769149	3268.111421523496	3145.2053260079183	3153.083178200313	122.9006945551479	115.02770332316459
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
387	285	210547	-11681.1413	979837.3170250766	39.565223097677935	-101.2113012	110043.3316583333	4381838.538451681	3285.64496246516	3117.083369211203	3022.5603119004522	3013.028762411198	104.05601050966242
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391	285	210551	-113541.1413	979837.3170250766	39.56525454358454	-101.201926	110047.4182085324	4381822.298107842	3258.9909127515143	3112.50353106392872	3021.2406788752924	3015.9919191367784	91.26285219
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393	285	210553	-112221.1413	979837.3170250766	39.56527003045234	-101.197263	111249.0603347673	4381814.179	3250.2351736178307	3110.13644023329	3018.073467214797	3015.352835782583	92.058793
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418	285	210578	-95721.1413	979837.3170250766	39.5654480097189	-101.1387121	116274.9258063925	4381712.73748099	3153.865206300442	3076.7820632900043	2984.240187774186	2983.8189907067184	92.571401199131
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431	285	210591	-87141.1413	979837.3170250766	39.565529408622744	-101.1083566	118888.123281458	4381660.8871669445	3185.31645957486	3058.2281372966618	2978.118463726217	2977.59159063	90.10967357044456
432	285	210592	-86481.1413	979837.3170250766	39.5655353690336	-101.1060169	119089.137229455	4381656.0375036	3195.360248236302	3056.75650917321	2977.365228084735	2970.286422884743	86.4770213739018
433	285	210593	-85821.1413	979837.3170250766	39.5655412353598	-101.1036773	119290.1510010123	4381651.98501626	3197.348487818748	3055.28881897625	2976.585217791224	2968.772072660742	85.10560595
434	285	210594	-85161.1413	979837.3170250766	39.565547108231264	-101.1013376	119491.1645963201	4381647.305344708	3187.1889323599	3053.8200103512663	2974.723302743764	2967.0829792664	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevLogsKrg.ft	SatElevLogs.ft	SatElevBoth.ft
513	285	10673	-33021.14133	797837	31.70250766	-93.5658668031736	-00.91165039	33570.69944096205	43131.3284671246295	3021.492653927063	2932.985647	2889.90306805176	45.15344409	43.08481634
514	286	10674	-32361.14133	797837	31.70250766	-93.56586930910794	-00.91341638	33591.696903141	43131.3241522997	3014.160919443574	2931.2611202971103	2885.015064819699	46.24065611013749	44.305032400127705
515	285	10675	-31701.14133	797837	31.70250766	-93.56587123268964	-00.9116243	33572.6996027437	43131.320345	3009.631767170937	2930.4238377170937	2886.686037420262	46.84532336717855	44.9864958989835
516	286	10676	-31041.14133	797837	31.70250766	-93.56587338109296	-00.9094845	33573.6994409655	43131.3154090952	3007.900431980715	2927.92433628753	2875.9520154877555	48.814084117511974	44.305424340746
517	285	10677	-30381.14133	797837	31.70250766	-93.5658754842878	-00.9071448	33617.6913301547	43131.316280601	3006.176807368123	2926.4064663712554	2871.234306	48.782622689397	44.22707379
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519	285	10679	-29061.14133	797837	31.70250766	-93.565879550579555	-00.9024654	336576.6980242455	43130.34452975426	2999.141955539415	2922.530714441194	2862.612284	57.732627102407	46.9183026214133
520	286	10680	-28401.14133	797837	31.70250766	-93.5658815267747	-00.9001257	33677.69723219523	43130.300414379464	2990.758662367597	2858.425677947526	2870.2752281826643	62.332684690078	50.48339807
521	285	10681	-27741.14133	797837	31.70250766	-93.565883445079615	-00.8977861	336978.6992818161	43129.63369001254	2989.36469512057	2854.612724039393	2865.7299588401	64.8696552442717	49.3696552442717
522	285	10682	-27081.14133	797837	31.70250766	-93.5658852227696	-00.8954844	337178.69517298446	43129.5882258467	2972.478154105507	2847.193328336409	2851.1015491573698	66.0227917934099	56.0495023302344
523	286	10683	-26421.14133	797837	31.70250766	-93.56588715427849	-00.8931067	337378.6936062345	43128.8237988111	2964.736384700617	2847.848737760346	2856.767221	67.55271157103198	58.63422791
524	286	10684	-25761.14133	797837	31.70250766	-93.56588894	-00.890767	337581.69248184364	43128.29427173138	2958.140759265215	2843.686784026386	2852.4884410433015	68.7551026065948	61.11333969047016
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526	286	10686	-24441.14133	797837	31.70250766	-93.56589238	-00.8860676	337963.6891606936	43127.7623637366	2944.949505214805	2909.979425161283	2839.82816	70.1526550458308	65.52368698341084
527	286	10687	-23781.14133	797837	31.70250766	-93.565894020596455	-00.883748	338184.6876433741	43127.206340545	2942.934913409959	2908.1565703300272	2842.855047087313	70.46811396242493	65.504471982129591
528	285	10688	-23121.14133	797837	31.70250766	-93.565895964	-00.881403	338385.6852110759	43126.8176450427	2945.514805164172	2906.3258823430083	2835.740090005791	70.932630994141	66.47072513488641
529	286	10689	-22461.14133	797837	31.70250766	-93.56589719711251	-00.8790688	338586.683000111074	43126.1418614398	2948.090266391498	2904.487453814951	2833.315888734041	71.366118063155	67.5736850100901
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533	285	10693	-19821.14133	797837	31.70250766	-93.5659029835965	-00.869709	339390.672598317	43124.280405032	2951.900545	2897.09534578194	2827.9979573246885	76.0919205542554	69.83643166175234
534	286	10694	-19161.14133	797837	31.70250766	-93.5659032317309	-00.8687307	339591.6969079347	43123.04101999355	2951.87938205253	2898.1684287861	2826.7918616193706	76.26257540622923	68.9960259649308
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536	286	10696	-17841.14133	797837	31.70250766	-93.56590585720342	-00.8626908	339993.632	43123.9545435848	2966.016486381613	2947.4379782482	2822.405953501127	78.10116810375	69.044428135498
537	285	10697	-17181.14133	797837	31.70250766	-93.565906806423325	-00.8603511	340194.7915584465	43123.175584465	2952.448242059607	2889.538475926846	2821.978328355322	78.62612161804075	69.5601507715231
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539	285	10699	-15861.14133	797837	31.70250766	-93.56591031926254	-00.8556718	340596.65223802613	43123.622402874	2948.89064462585	2885.750446878083	2820.156980103358	78.65917362035628	65.9416230735628
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541	285	10701	-14541.14133	797837	31.70250766	-93.56591240130835	-00.851087	340998.6844353365	43120.812008	2984.061712911984	2884.05415407799215	2818.1534982184986	78.621689025372763	64.58461742908457
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544	286	10704	-12561.14133	797837	31.70250766	-93.56591451830675	-00.8439733	341601.63118707907	43120.72834871	2985.457916124036	2879.33088450827	2815.90169206308	78.621689025372763	64.58461742908457
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548	286	10708	-9921.14133	797837	31.70250766	-93.5659182546956	-00.8346146	342405.61161115309	4311.95160871784	2994.07389144372	2871.07389144372	2812.7875205432	78.621689025372763	64.58461742908457
549	285	10709	-9261.14133	797837	31.70250766	-93.56591882152751	-00.8322749	342606.6037015234	4311.95160871784	2995.23418488325	2867.33289011107	2811.364604411662	78.621689025372763	64.58461742908457
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551	285	10711	-7941.14133	797837	31.70250766	-93.5659200095938	-00.8279596	343008.595251211	4311.9554969022	2983.34789862213	2863.96391017349	2810.332657	78.621689025372763	64.58461742908457
552	286	10712	-7281.14133	797837	31.70250766	-93.5659206208289	-00.825559	343209.589	4311.95152337131	2982.3417148513315	2862.341523815031	2809.158265405438	78.621689025372763	64.58461742908457
553	285	10713	-6621.14133	797837	31.70250766	-93.5659210968469	-00.8229162	343410.585855961	4311.95152337131	2981.0934732251	2860.762104533664	2808.0524582433653	78.621689025372763	64.58461742908457
554	286	10714	-5961.14133	797837	31.70250766	-93.56592157277011	-00.8205765	343611.575249802	4311.95147629516	2985.298074811824	2806.7844441171	2808.5300309567	78.621689025372763	64.58461742908457
555	285	10715	-5301.14133	797837	31.70250766	-93.5659221798375	-00.8189497	343819.536874759	4311.951333694	2984.076410734927	2881.079410573283	2817.932595381071	78.621689025372763	64.58461742908457
556	286	10716	-4641.14133	797837	31.70250766	-93.56592233778646	-00.8158071	344013.564961911	4311.95145848165	2984.7848671	2856.291707102185	2808.5300309567	78.621689025372763	64.58461742908457
557	285	10717	-3981.14133	797837	31.70250766	-93.56592254902037	-00.8135575	344214.5584354516	4311.9514033964	2986.84634	2854.88920710968	2803.3489265790536	78.621689025372763	64.58461742908457
558	286	10718	-3321.14133	797837	31.70250766	-93.5659227906204	-00.8112178	344415.517055387	4311.947138201256	2987.5316260672406	2853.311264957804	2801.58459597092	78.621689025372763	64.58461742908457
559	285	10719	-2661.14133	797837	31.70250766	-93.56592300390481	-00.8088781	344616.54495512217	4311.9433880319	2989.346273157344	2852.210701	2799.7020413745245	78.621689025372763	64.58461742908457
560	286	10720	-2001.14133	797837	31.70250766	-93.56592316348725	-00.8065834	344						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVEKgrg.f	BRIEVBokthrg.f	SatThLocs.f	SatThBok.f	
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640	285	10800	50138.85867307335	797837.3170250766	39.56579490011299	-100.6194389	306086.5127469944	4380818.205309785	2786.8441705322114	2730.7074477437451	2654.962956306713	2656.490778281265	75.74477942877557	74.74169400393243
641	285	10801	50138.85867307335	797837.3170250766	39.56578589	-100.6170423	306107.9848172571	4380814.202299921	2786.970135687747	2730.7074477437451	2654.962956306713	2656.490778281265	75.74477942877557	74.74169400393243
642	285	10802	50138.85867307335	797837.3170250766	39.5657824269998	-100.6146835	306128.4750243322	4380810.197006682	2787.10185605305	2732.7020871237651	2654.962956306713	2656.490778281265	75.74477942877557	74.74169400393243
643	285	10803	50138.85867307335	797837.3170250766	39.5657785084105	-100.6123448	306149.45629811	4380806.193303144	2784.86222233314	2724.7233542142135	2640.5767486231266	2642.983645753637	74.14660551096868	71.73971048065737
644	285	10804	50138.85867307335	797837.3170250766	39.56577513786544	-100.6100052	306170.0434396312	4380802.188730218	2780.2541317502632	2722.7600935412397	2638.9364429112397	2642.983645753637	74.14660551096868	71.73971048065737
645	285	10805	50138.85867307335	797837.3170250766	39.5657715313342	-100.6076655	306190.4184486903	4380798.193303144	2775.646341680067	2721.0212363815016	2631.380474612552	2665.600572665034	89.5043163530771	55.1523064851257
646	285	10806	50138.85867307335	797837.3170250766	39.5657678	-100.6053258	306210.39932170	4380794.187907618	2771.071936555577	2718.81102442016	2628.9137147679394	2661.202912323689	89.5043163530771	55.1523064851257
647	285	10807	50138.85867307335	797837.3170250766	39.56576403141535	-100.6028961	306230.386055175	4380790.17696855	2769.979606731153	2715.079606731153	2626.9137147679394	2661.202912323689	89.5043163530771	55.1523064851257
648	285	10808	50138.85867307335	797837.3170250766	39.56576021352626	-100.6004645	306250.36075162	4380786.171891577	2761.6410543001	2713.079606731153	2623.891356612027	2657.65789	71.1800327330672	75.414013989163
649	285	10809	50138.85867307335	797837.3170250766	39.565756530535146	-100.5983088	306270.3415119967	4380782.16832114	2759.254128170873	2711.061919697296	2641.155854297366	2641.03387	72.040373097172	72.112025206584
650	285	10810	50138.85867307335	797837.3170250766	39.5657524228915	-100.5959671	306290.3215005346	4380780.165	2756.8623979470373	2711.340454181033	2642.39978	2641.219953014009	68.4085694544292	70.12050116702358
651	285	10811	50138.85867307335	797837.3170250766	39.5657484884462	-100.5936274	306310.307160397	4380774.162	2805.27477666204	2709.5601735202007	2640.779506714455	268.722285	69.9675146828944	68.722285
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655	285	10815	50138.85867307335	797837.3170250766	39.5657322038111	-100.5842867	306391.221265877	4380758.15410983	2816.95463272524	2702.41411838038	2625.445083741186	2625.085005036367	76.9690343630037	77.3283178802295
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657	285	10817	50138.85867307335	797837.3170250766	39.56572381900255	-100.5795984	306433.1803	4380750.147508664	2804.5741159536545	2699.0337674910074	2618.1279570347815	2618.2339004182735	80.9058104525594	80.9096667637393
658	285	10818	50138.85867307335	797837.3170250766	39.56571954917407	-100.5772497	306454.1595540504	4380746.15857993	2807.38743123119	2614.3474820356134	2613.3915943801244	2613.3915943801244	83.9971487227058	83.9971487227058
659	285	10819	50138.85867307335	797837.3170250766	39.5657158214142	-100.5749101	306475.1387263458	4380742.14449078	2797.39193945555	2695.776044612552	2608.290921942326	2608.290921942326	87.1532311144968	87.1532311144968
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661	285	10821	50138.85867307335	797837.3170250766	39.56570648406956	-100.5702027	306517.9801030307	4380734.142274938	2806.98224735634	2689.485376171193	2604.923506	2604.923506	92.0274464530897	92.0274464530897
662	285	10822	50138.85867307335	797837.3170250766	39.5657021852566	-100.567891	306533.0754546233	4380730.142	2810.07648043025	2681.135518705957	2612.564649007131	2612.564649007131	94.7854693534648	94.7854693534648
663	285	10823	50138.85867307335	797837.3170250766	39.5657007220064	-100.5655514	306559.0541064377	4380726.14099138	2810.1244868038637	2689.653718468093	2619.169634930163	2619.169634930163	70.40413692	70.40413692
664	285	10824	50138.85867307335	797837.3170250766	39.5656928100106	-100.5632117	306570.0326295986	4380722.14066341	2809.203535587	2680.203535587	2625.27966376705	2625.27966376705	76.9690343630037	77.3283178802295
665	285	10825	50138.85867307335	797837.3170250766	39.56568834777645	-100.560872	306591.011023341	4380718.14552425	2807.25620367703	2686.784106132568	2630.29102829153462	2630.29102829153462	76.9690343630037	77.3283178802295
666	285	10826	50138.85867307335	797837.3170250766	39.5656837335581	-100.5585324	306612.1989288898	4380714.140654732	2806.281497112828	2685.395114110758	2633.8162731902053	2633.8162731902053	76.9690343630037	77.3283178802295
667	285	10827	50138.85867307335	797837.3170250766	39.56567906735535	-100.5561927	306633.26607481103	4380706.148978902	2806.19620199972	2684.085376171193	2630.162711654045	2630.162711654045	76.9690343630037	77.3283178802295
668	285	10828	50138.85867307335	797837.3170250766	39.5656743416861	-100.553974	306654.730416861	4380702.14751644	2806.797471541664	2683.705490271005	2629.147515707558	2629.147515707558	76.9690343630037	77.3283178802295
669	285	10829	50138.85867307335	797837.3170250766	39.5656695789979	-100.5515134	306674.9233163874	4380702.1427211421	2813.465292897855	2801.400779176305	2636.561121345072	2636.561121345072	76.9690343630037	77.3283178802295
670	285	10830	50138.85867307335	797837.3170250766	39.56566478564326	-100.5491377	306695.810936855	4380698.143240294	2817.13449350795	2680.19430470915	2636.836182849317	2636.836182849317	76.9690343630037	77.3283178802295
671	285	10831	50138.85867307335	797837.3170250766	39.56566059827048	-100.546834	306716.78695918	4380694.14	2817.539682323295	2678.85900596365	2637.375830734383	2637.375830734383	76.9690343630037	77.3283178802295
672	285	10832	50138.85867307335	797837.3170250766	39.5656560525625	-100.544494	306737.856194817	4380690.145833122	2816.68150101014	2677.61664464286	2633.51849957118	2633.51849957118	76.9690343630037	77.3283178802295
673	285	10833	50138.85867307335	797837.3170250766	39.56565141761757	-100.5421547	306758.788369553	4380686.147451289	2811.823417878784	2676.385080174499	2631.94342807447	2631.94342807447	76.9690343630037	77.3283178802295
674	285	10834	50138.85867307335	797837.3170250766	39.56564696735535	-100.539815	306779.8101030307	4380682.14282781	2808.19620199972	2684.085376171193	2630.162711654045	2630.162711654045	76.9690343630037	77.3283178802295
675	285	10835	50138.85867307335	797837.3170250766	39.5656424052893	-100.5374574	306790.788028627	4380678.151340841	2808.3352807499	2673.94386819876	2629.874189	2629.874189	76.9690343630037	77.3283178802295
676	285	10836	50138.85867307335	797837.3170250766	39.5656384323228	-100.5351357	306813.765020143	4380674.153610218	2812.933407132737	2673.71669378017	2629.63842526695	2630.00477375047	76.9690343630037	77.3283178802295
677	285	10837	50138.85867307335	797837.3170250766	39.565634263419315	-100.532796	306832.7418853815	4380670.156095986	2816.531532196957	2671.5241692239065	2630.316109864161	2630.316109864161	76.9690343630037	77.3283178802295
678	285	10838	50138.85867307335	797837.3170250766	39.56562466081705	-100.5304564	306853.7186245653	4380666.15879135	2820.129657492333	2670.320338418256	2628.807959771746	2628.807959771746	76.9690343630037	77.3283178802295
679	285	10839	50138.85867307335	797837.3170250766	39.5656201481645	-100.5281167	306874.6952378062	4380662.167116652	2821.98042873232	2669.133842646564	2633.51849957118	2633.51849957118	76.9690343630037	77.3283178802295
680	285	10840	50138.85867307335	797837.3170250766	39.56561541761757	-100.525777	306895.617725394	4380658.164851153	2822.085376171193	2667.50253539277	2636.561121345072	2636.561121345072	76.9690343630037	77.3283178802295
681	285	10841	50138.85867307335	797837.3170250766	39.56561087391028	-100.523491	306916.788028627	4380654.14282781	2822.085376171193	2667.50253539277	2636.561121345072	2636.561121345072	76.9690343630037	77.3283178802295
682	285	10842	50138.85867307335	797837.3170250766	39.565606313242964	-100.5210777	306937.82342347115	4380650.171703343						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtBot.f
25	286	210925	-35501.1413	980497.3170250766	35.56119438528599	-102.05682259	237363.718882372	4383324.180311226	3803.31477706795794	3601.99659947610955	3547.854359642336	3549.749244	54.1422638376945	52.240735173595425
26	286	210926	-35444.1413	980497.3170250766	35.56121868	-102.0558862	237464.8214727652	4383520.359984544	3808.002884373791	3600.668827227996	3546.35704781877483	3548.6729517444032	54.31178004024787	51.995874583592594
27	286	210927	-35379.1413	980497.3170250766	35.56124286338704	-102.0553469	237565.92338404	4383515.899727462	3810.688064965653	3599.346958069217	3544.904548385823	3547.781764531687	54.40865319289874	51.5651860483492
28	286	210928	-35312.1413	980497.3170250766	35.5612671233376	-102.0512076	237667.0251976596	438317.75976246	3816.351057647784	3598.03801251063	3543.570692506451	3547.087130703262	54.44601030702362	50.94666728127686
29	286	210929	-35246.1413	980497.3170250766	35.561291204101236	-102.0488682	238068.12678302748	4383507.62	3812.042459673223	3596.729602521633	3542.205867109193	3546.5927623667443	54.523735417058106	50.13684019776966
30	286	210930	-35180.1413	980497.3170250766	35.561215154051104	-102.0465289	238269.2818095092	438303.480551113	3812.7209432343894	3595.43162151067	3540.730659713633	3546.885833545403	54.7303228973077	48.548326605641
31	286	210931	-35114.1413	980497.3170250766	35.56133947280514	-102.0418896	238470.32927560172	4383499.341219124	3816.4759391098744	3594.147538057526	3539.022045820137	3546.620238278033	55.12548832378864	47.50550997408314
32	286	210932	-35048.1413	980497.3170250766	35.5613635	-102.0418602	238671.4303523586	4383491.220146841	3807.17440531803	3592.68975857359	3536.99775738788	3546.3995236236277	55.17862393765699	46.47923216308424
33	286	210933	-34982.1413	980497.3170250766	35.56138747	-102.0381198	238872.53663207975	4383491.68329498	3801.535969639498	3591.6089648571735	3536.354765916577	3546.4145674854724	55.24699884113655	47.066378192678
34	286	210934	-34916.1413	980497.3170250766	35.56141140552486	-102.0371716	239073.63022728593	4383496.24667789	3796.9731247036605	3590.340695831544	3531.39194685236	3542.8259157108	55.8792814828062	46.5579032
35	286	210935	-34850.1413	980497.3170250766	35.56143254050576	-102.0348322	239274.7301	4383482.76260086	3792.2250259117877	3589.091219940626	3528.396728089656	3542.97817561346	60.89401401706984	46.8393042762688
36	286	210936	-34784.1413	980497.3170250766	35.56145933639688	-102.0324929	239475.87037766213	4383476.648075537	3787.420494921314	3585.454226550008	3525.9516531552435	3538.892517015206	61.90257339476466	49.02563639770243
37	286	210937	-34718.1413	980497.3170250766	35.56148293353705	-102.0301356	239676.9300244544	4383475.10111989	3782.681407324239	3586.630214758788	3524.627492256247	3535.8859509991783	62.027224635145	52.7346653
38	286	210938	-34652.1413	980497.3170250766	35.56150669	-102.0278142	239878.0295010328	4383470.37270143	3777.6121966527407	3585.419041615629	3524.375797075297	3534.8186606782027	61.04326190989923	52.00018037426194
39	286	210939	-34586.1413	980497.3170250766	35.5615303229961	-102.0254748	240079.12809123132	4383466.23449994	3778.8130730707323	3584.226652053699	3524.641083239943	3531.3995285354606	62.028183375594	52.8259942
40	286	210940	-34520.1413	980497.3170250766	35.561554053890426	-102.023135	240280.2270724467	4383462.097551138	3778.195682030314	3583.0349817802103	3524.7554031495324	3529.805619739817	62.797863067798	53.2236204039161
41	286	210941	-34454.1413	980497.3170250766	35.56157767029311	-102.0207962	240481.32572968467	4383457.960471967	3778.7194313819045	3581.862154188287	3524.5368569365482	3528.360654528244	63.2572925	53.020876464278
42	286	210942	-34388.1413	980497.3170250766	35.56160124157059	-102.0184568	240682.4239853216	4383453.823619672	3776.203158195456	3580.702617879471	3523.942618732717	3527.60144662939105	63.76999411467001	53.6411658581161
43	286	210943	-34322.1413	980497.3170250766	35.56162476733836	-102.0161175	240883.52193025505	4383449.687	3776.451288601325	3579.574509020664	3523.341070431703	3525.871825635105	65.21638866029616	53.6853634563494
44	286	210944	-34256.1413	980497.3170250766	35.56164824831749	-102.0137781	241084.6196455998	4383445.505057489	3778.14624627178156	3578.4264207170922	3522.7923084775703	3524.81706361029	65.2261123952198	53.60851446
45	286	210945	-34190.1413	980497.3170250766	35.56167168402141	-102.0114388	241285.7710459306	4383441.41284398	3772.230770264286	3572.730770264286	3522.38014614787815	3522.0865295087923	64.92762531645656	53.35970740560326
46	286	210946	-34124.1413	980497.3170250766	35.56169504745264	-102.0090994	241486.81470143917	4383437.478415928	3770.1284807711813	3576.201329212203	3522.12765234159	3523.295474422237	64.076668885454	52.9058578990174
47	286	210947	-34058.1413	980497.3170250766	35.561719313568	-102.0067343	241687.24632745842	4383433.1428429	3768.7914698474124	3574.095417189947	3524.054171899947	3523.845176818247	64.161535132417	52.8266351818247
48	286	210948	-33992.1413	980497.3170250766	35.5617411983983	-102.0044027	241889.0704551786	4383429.00714339	3766.058945423618	3572.05455750413	3522.252505796463	3522.6170417162243	64.1720599539492	51.40776145881964
49	286	210949	-33926.1413	980497.3170250766	35.56176494735569	-102.0020814	242090.10438116352	4383417.81840391	3764.048452457914	3570.2545152	3518.483826	3518.7044554789063	64.22369670158936	52.41369679451618
50	286	210950	-33860.1413	980497.3170250766	35.56178818	-101.999742	242291.2006614864	4383420.73675467	3762.03795962239	3571.8953801444565	3515.009744250745	3515.3026347022434	64.8856393711605	56.59267362143074
51	286	210951	-33794.1413	980497.3170250766	35.5618113896168	-101.9974026	242492.2964866936	4383416.60198153	3762.41179389364	3570.8478973408983	3511.8171806842987	3512.086652772439	64.8856393711605	58.761246036545
52	286	210952	-33728.1413	980497.3170250766	35.56183446829713	-101.9950633	242693.3215699295	4383412.467295445	3765.169127462039	3569.8116233978909	3508.904184	3508.1253898248026	64.90743980049224	60.68623358030526
53	286	210953	-33662.1413	980497.3170250766	35.56185764263312	-101.9927238	242894.4676	4383408.4676	3767.929278568313	3568.2961787498812	3506.26613822594	3506.43134605794	64.9285118325226	61.06536869794
54	286	210954	-33596.1413	980497.3170250766	35.5618817138574	-101.9903485	243095.5827336873	4383404.19646813	3765.830815846831	3567.7914698474124	3504.054171899947	3503.915301520269	63.8984095527097	63.8554374001951
55	286	210955	-33530.1413	980497.3170250766	35.56190356	-101.9880452	243296.672795846	4383400.064672904	3764.701685139045	3566.7647976302237	3501.74497763231	3501.103370708512	64.918186665285	65.0614269217161
56	286	210956	-33464.1413	980497.3170250766	35.5619283472464	-101.9857508	243497.7729231894	4383395.93020558	3770.991248159026	3565.76713	3499.93917058867	3498.69282782966	65.82799641	67.07427473983361
57	286	210957	-33398.1413	980497.3170250766	35.56194939	-101.9833664	243698.8666920302	4383391.7937892	3770.2766461840296	3564.75565259212	3498.241324851466	3494.700011812116	65.53433140756533	68.1976444709517
58	286	210958	-33332.1413	980497.3170250766	35.561972235308055	-101.9810271	243899.960372394	4383387.66408071	3769.564244242716	3563.7867781459854	3496.739919179442	3496.726378378168	67.046859665437	69.06042784817593
59	286	210959	-33266.1413	980497.3170250766	35.56199503871657	-101.9788787	244101.5472894327	4383383.590929205	3768.733687292275	3562.796314207327	3495.623262984	3494.8874545140316	67.46989482129247	64.90886215769206
60	286	210960	-33200.1413	980497.3170250766	35.56201731913568	-101.9763433	244302.146387294	4383379.29142824	3767.7914698474124	3561.7914698474124	3494.054171899947	3493.154171899947	67.1018975813429	68.161535132417
61	286	210961	-33134.1413	980497.3170250766	35.56204058216594	-101.9740089	244503.24152777852	4383375.26422623	3766.058945423618	3560.79849384939	3492.8247745362474	3492.692350244947	67.958397219174	68.08629800209993
62	286	210962	-33068.1413	980497.3170250766	35.56206317620712	-101.9716966	244704.3348853291	4383371.130059241	3765.907354063392	3559.79144	3491.495458	3490.732941756133	68.2229592576022	68.984205156703
63	286	210963	-33002.1413	980497.3170250766	35.5620857945819	-101.9693302	244905.427762256	4383367.88877549	3764.7383064816304	3558.87081131845	3489.988778142234	3489.128680878084	68.85830297	73.04242034
64	286	210964	-32936.1413	980497.3170250766	35.56210837552208	-101.9669908	245106.52039269262	4383362.86887752	3763.3423284405205	3557.3445565741913	3488.1461774394116	3487.04405222818	69.1983279247973	78.3005313013721
65	286	210965	-32870.1413	980497.3170250766	35.5621309739574	-101.9646514	245307.6127679301	4383361.737119329	3761.9463484224716	3555.969550121267	3485.622053	3484.7965107693024	70.3744989	80.9178750842039
66	286	210966	-32804.1413	980497.3170250766	35.5621533810102	-101.962312	245508.7409911438	4383354.0558281	3760.55368402892	3554.95176641483	3482.49636355532	3482.67373369726	71.97623130590547	80.8478092442007
67	286	210967	-32738.1413	980497.3170250766	35.562175769168	-101.9600728	245709.8426376873	4383348.1963689	3759.37914698474124	3554.054171899947	3481.37914698474124	3480.739919179442	72.046859665437	81.06536869794
68	286	210968	-32672.1413	980497.3170250766	35.56219823180103	-101.9576333	245910.8883232568	4383346.34172993	3758.0288824033	3551.27445185503	3479.1449095253023	3480.63549643036	72.154955399507	81.6309760206189
69	286	210969	-32606.1413	980497.3170250766	35.56222056297355	-101.9552939	246111.97970							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
151	286	211051	-271941.1413	980497.3170250766	39.56389999114164	-101.7634595	262600.632648972	4383004.234	367.5027795079595	3439.011636	3313.5098739046007	3313.2671923022445	33.250176161656918	123.74540628192538
152	286	211052	-272181.1413	980497.3170250766	39.563918191397164	-101.76112	262601.7048510085	4383000.12127879	363.48108369906	347.868632251875	3313.0023199667405	3314.77927123463525	32.85661323446495	123.0719157886494
153	286	211053	-272621.1413	980497.3170250766	39.56394546456984	-101.7587095	263002.7784712263	4382996.008849636	363.34891382726948	346.890338611907	3312.772831129407	3313.64911982710003	32.917581537380499	122.9113737804699
154	286	211054	-269961.1413	980497.3170250766	39.56395256330075	-101.756441	263003.8420345437	4382991.896913268	363.377069097964	343.5009246827967	3312.629430572334	3312.60413095369	32.87979411042631	121.9632115968678
155	286	211055	-269301.1413	980497.3170250766	39.56393737100739	-101.7541015	263004.91471919977	4382987.785061832	362.2692567013343	343.318725170362	3312.465410448646	3313.299118	32.8533472051621	121.9106744089229
156	286	211056	-268641.1413	980497.3170250766	39.56390214049189	-101.751762	263005.9900270716	4382983.634312333	362.0327371	343.3121906185415	3312.4003303633355	3313.275975171379	32.8017519701520604	121.910269154471627
157	286	211057	-267981.1413	980497.3170250766	39.56401051478359	-101.7494225	263007.0600788703	4382979.562021487	362.26942982616375	343.3192246327796	3312.077974643833	3313.316280860194	32.81862408421722	118.86016744089229
158	286	211058	-267321.1413	980497.3170250766	39.56402884386239	-101.747083	263008.12989706237	4382975.850432583	362.37175956375	343.31966033237	3313.74842403061	3313.2727158115114	32.8148485917573	117.7447325181229
159	286	211059	-266661.1413	980497.3170250766	39.56404712778627	-101.7447435	263009.1994834683	4382971.33984516	361.819741502212	342.9514154902485	3313.540696311597	3313.2145867294107	32.81073561787416	117.82369718787416
160	286	211060	-266001.1413	980497.3170250766	39.56405336510228	-101.742404	264410.2689365516	4382967.22115233	362.30593714167337	343.31350119651954	3313.301113610587	3313.017113610587	32.81073561787416	116.9407452301165
161	286	211061	-265341.1413	980497.3170250766	39.5640530603023	-101.7400645	264611.1388547371	4382963.1158888145	361.8889061796226	342.070936	3311.280441911589	3313.19011927482038	32.81073561787416	116.9407452301165
162	286	211062	-264681.1413	980497.3170250766	39.56410170835716	-101.737725	264812.40684595715	4382959.008	3610.894151668328	342.567801062704	3313.2745928179474	3314.535077507625	32.81073561787416	116.9407452301165
163	286	211063	-264021.1413	980497.3170250766	39.56411981149106	-101.7358855	265013.4756	4382954.998198414	360.628792	342.6461166817434	3311.6271301625293	3313.9584743399027	32.81073561787416	116.9407452301165
164	286	211064	-263361.1413	980497.3170250766	39.564137869431846	-101.733006	265214.5440271569	4382950.78832413	361.09282729999373	342.3431175733034	3312.157418235466	3314.442396027585	32.81073561787416	116.9407452301165
165	286	211065	-262701.1413	980497.3170250766	39.564155888217953	-101.7307064	265415.6122202114	4382946.78891205	360.55686254128535	342.2222682523785	3312.285194241764	3314.70758995424	32.81073561787416	116.9407452301165
166	286	211066	-262041.1413	980497.3170250766	39.56417384973404	-101.728369	265616.6801818522	4382942.56928779	361.020891730024	342.090085267586	3311.837206701144	3313.392021063293	32.81073561787416	116.9407452301165
167	286	211067	-261381.1413	980497.3170250766	39.56419717290537	-101.7260274	265817.74791227663	4382938.140606211	360.6502255697414	341.769675989536	3308.837474576557	3309.926334341853	32.81073561787416	116.9407452301165
168	286	211068	-260721.1413	980497.3170250766	39.56420964926349	-101.7236879	266018.8141170354	4382934.351006211	360.444844971542	341.8153432008095	3305.60342608654	3292.6324343944	32.81073561787416	116.9407452301165
169	286	211069	-260061.1413	980497.3170250766	39.56422781213836	-101.721384	266219.8826803302	4382930.24236137	360.326438261037	341.294374588207	3302.27263125006	3296.244764413523	32.81073561787416	116.9407452301165
170	286	211070	-259401.1413	980497.3170250766	39.564254257	-101.719089	266420.9497	4382926.13376671	360.30404834752024	341.160500504147223	3299.103624821349	3295.98849048244	32.81073561787416	116.9407452301165
171	286	211071	-258741.1413	980497.3170250766	39.56428300960814	-101.7166694	266622.0162630173	4382922.05451556	359.8723593861596	341.84505128622594	3296.5012582257197	3294.221077807177	32.81073561787416	116.9407452301165
172	286	211072	-258081.1413	980497.3170250766	39.56429076003004	-101.7142396	266823.083104827	4382917.917370277	359.821972257871	340.423626598983	3292.3671711152	3292.724865201114	32.81073561787416	116.9407452301165
173	286	211073	-257421.1413	980497.3170250766	39.5643031535024	-101.7118764	267024.1684592713	4382912.98842968	359.8132196392947	340.423626598983	3292.3671711152	3292.724865201114	32.81073561787416	116.9407452301165
174	286	211074	-256761.1413	980497.3170250766	39.56431596312255	-101.709508	267225.2156570505	4382909.701367145	359.8101522056014	341.106412444118	3287.672145805654	3287.349031828326	32.81073561787416	116.9407452301165
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176	286	211076	-255441.1413	980497.3170250766	39.5643103964826	-101.7049717	267627.34711568005	4382901.487	359.81394557935	340.879261925737	3282.75875073926	3282.765204	32.81073561787416	116.9407452301165
177	286	211077	-254781.1413	980497.3170250766	39.564353861	-101.7026322	267828.4125453967	4382897.380191728	359.81394557935	340.740037021018	3280.418908032337	3280.4650452091255	32.81073561787416	116.9407452301165
178	286	211078	-254121.1413	980497.3170250766	39.5643893530983	-101.7002927	268029.4747460548	4382893.274181314	359.81061421161154	340.6793224530517	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
179	286	211079	-253461.1413	980497.3170250766	39.56440311535024	-101.6978763	268230.5427120975	4382889.166856226	359.81394557935	340.6793224530517	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
180	286	211080	-252801.1413	980497.3170250766	39.564420650197015	-101.695136	268431.80746147856	4382885.6503297	357.1205055781038	340.5057248323246	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
181	286	211081	-252141.1413	980497.3170250766	39.56443793985013	-101.6932741	268632.61767595962	4382880.564421441	358.81394557935	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
182	286	211082	-251481.1413	980497.3170250766	39.5644518430955	-101.6909346	268833.736263594	4382876.438435055	358.81394557935	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
183	286	211083	-250821.1413	980497.3170250766	39.56447238375215	-101.688595	269034.3028226857	4382872.742660315	358.81394557935	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
184	286	211084	-250161.1413	980497.3170250766	39.5644983674716	-101.6862555	269235.8641540646	4382868.637147030	358.81394557935	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
185	286	211085	-249501.1413	980497.3170250766	39.564506545525295	-101.6839196	269436.9275794165	4382864.532187195	357.8476207746229	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
186	286	211086	-248841.1413	980497.3170250766	39.56451271020975	-101.6815764	269638.054080139	4382860.32385811	357.8476207746229	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
187	286	211087	-248181.1413	980497.3170250766	39.564540726700022	-101.6792269	269839.854080139	4382856.32385811	357.8476207746229	340.423626598983	3278.024695240819	3278.3235522889748	32.81073561787416	116.9407452301165
188	286	211088	-247521.1413	980497.3170250766	39.564557011995684	-101.6768974	270040.1172066214	4382852.1781755	357.81394557935	339.8282326947027	3259.67921982445	3260.704483698944	32.81073561787416	116.9407452301165
189	286	211089	-246861.1413	980497.3170250766	39.56457463009195	-101.6745578	270241.1799025519	4382848.113	357.81394557935	339.8282326947027	3259.67921982445	3260.704483698944	32.81073561787416	116.9407452301165
190	286	211090	-246201.1413	980497.3170250766	39.56459151300785	-101.6722183	270442.24237200804	4382844.009	357.81394557935	339.8282326947027	3259.67921982445	3260.704483698944	32.81073561787416	116.9407452301165
191	286	211091	-245541.1413	980497.3170250766	39.564608305722516	-101.6698787	270643.3064150216	4382839.305	357.81394557935	339.8282326947027	3259.67921982445	3260.704483698944	32.81073561787416	116.9407452301165
192	286	211092	-244881.1413	980497.3170250766	39.56462514332418	-101.6675372	270844.366532327	4382835.801766819	356.8937334441944	339.81544690271	3255.120717486506	3254.64565310413	32.81073561787416	116.9407452301165
193	286	211093	-244221.1413	980497.3170250766	39.56464234190978	-101.6651963	271045.483426993	4382831.92872662	356.8937334441944	339.81544690271	3255.120717486506	3254.64565310413	32.81073561787416	116.9407452301165
194	286	211094	-243561.1413	980497.3170250766	39.56465859270225	-101.6628601	271246.489892041	4382827.50540921	356.8937334441944	339.81544690271	3255.120717486506	3254.64565		

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevKgr.ft	BRElevBothKgr.ft	TatGrKgr.ft	SurTBoth.ft
276	286	11178	-188781.1413	980497.3170250766	39.565887320120474	-101.4686745	287933.838715754	4382487.794014161	310.91360690773825	3262.352527148845	3139.631834214632	3144.9975375661197	322.69343893421319	117.32277588272538
278	286	11178	-188121.1413	980497.3170250766	39.56590025843333	-101.4663348	288134.877180715	4384343.709	315.711971701312	3260.647823252323	3137.368760320323	3147.1081548920984	323.126415646022087	118.53966863042479
279	286	11178	-188301.1413	980497.3170250766	39.56591306339962	-101.4689952	288335.3527948822	4384784.600740822	315.8281681158375	3258.9675189431545	3135.110070970496	3139.7013467193949	323.85848897810781	119.26175458788922
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281	286	11181	-186141.1413	980497.3170250766	39.56593881832726	-101.459316	288738.0060905204	4382471.456264765	338.4742345187715	3255.601578	3128.7935146631185	3146.951755080582	326.80063573140149	108.6818231393746
282	286	11182	-185481.1413	980497.3170250766	39.565951396769385	-101.4569763	288939.04852468614	4382467.353219528	3141.93178285320645	3126.465321144346	3115.76055436823	3116.438552717376993	302.16272730952414	102.16272730952414
283	286	11183	-184821.1413	980497.3170250766	39.565967607509424	-101.4546367	289140.0309235277	4382463.288859516	3356.305605442138	3252.33418913797	3125.8197947102394	3134.0421168551204	326.41502423062394	102.993653062394
284	286	11184	-184161.1413	980497.3170250766	39.565976117052855	-101.4522971	289431.1329332573	4382459.25043732	3383.886622743732	3250.5534021975886	3126.848326457182	3134.03920476071383	323.70507174040676	104.511309491459278
285	286	11185	-183501.1413	980497.3170250766	39.56598693039962	-101.4496975	289542.1746270834	4382455.122323368	3349.42296504516	3248.8746923971345	3129.279714	3134.0176468992465	319.60424255269457	105.261917548788922
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288	286	11188	-181521.1413	980497.3170250766	39.56602672755592	-101.4429386	290145.299390311	4382442.879428121	3390.417450941384	3243.8659841637214	3126.287626035724	3138.5694342429205	307.578359001488923	105.16334572042888
289	286	11189	-180861.1413	980497.3170250766	39.56603920582579	-101.4405899	290346.34043735685	4382439.187168181	3395.5448048931407	3242.2091886720233	3134.58191634	3135.768919662138	306.6402904589173	105.6402904589173
290	286	11190	-180201.1413	980497.3170250766	39.56605156918886	-101.4382593	290547.3812993379	4382434.70951319	3400.6718304488335	3240.59357770175	3130.1738549887272	3130.40308788437	306.13850278417415	110.156289917415
291	286	11191	-179541.1413	980497.3170250766	39.5660638735518	-101.4359197	290748.4219594373	4382430.67631407	3405.740607309996	3238.91675113185	3123.968199042064	3123.861526936874	314.94855527177652	110.4661526936874
292	286	11192	-178881.1413	980497.3170250766	39.56607616032463	-101.43358	290949.4620476782	4382428.545087443	3410.76732028947	3237.281411755114	3117.082860505636	3117.2125209	320.12824612602153	102.02824612602153
293	286	11193	-178221.1413	980497.3170250766	39.5660883809724	-101.431204	291150.2505365787	4382422.484523238	3415.788853266941	3235.6514807504273	3110.0216842558684	3109.576443303739	325.62976766878	126.62976766878
294	286	11194	-177561.1413	980497.3170250766	39.56610076729994	-101.4289007	291351.5426953484	4382418.33280963	3420.809642455436	3232.601057303233	3103.344693093737	3102.26908404379	318.64112630949581	131.75629729282628
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296	286	11196	-176241.1413	980497.3170250766	39.5661260023378	-101.4242215	291753.6221602971	4382410.21509692	3428.709817810539	3230.769378327307	3104.768881577897	3098.668584697418	326.0209022044731	133.211472024218
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302	286	11202	-172281.1413	980497.3170250766	39.56619640418879	-101.4101836	292959.85566475894	4382385.741416509	3425.929577520565	3221.2030571564574	3101.880952603319	3074.702348230604	320.3226189612564	141.5007289363314
303	286	11203	-171621.1413	980497.3170250766	39.56620817999165	-101.407844	293160.893896545	4382381.66217011	3424.675493087289	3219.624852363639	3111.375457200339	3088.43132254239048	315.9329836631005	141.9329836631005
304	286	11204	-170961.1413	980497.3170250766	39.566219910597404	-101.4055043	293361.9318711794	4382377.378	3422.933454598027	3218.066543545255	3111.147432908452	3099.92147755533	309.9011093707338	118.53966863042479
305	286	11205	-170301.1413	980497.3170250766	39.56623186002462	-101.403167	293562.9696707085	4382373.1542438487	3420.93478326587	3216.93478326587	3109.132978314874	3105.97131806742	318.783049157237	133.093031325356
306	286	11206	-169641.1413	980497.3170250766	39.56624326217585	-101.400831	293764.0072643872	4382365.425749286	3418.84602203422	3214.9647220272	3108.92153633123	3101.0195640456	306.088591490478	139.945432815402
307	286	11207	-168981.1413	980497.3170250766	39.56625581321384	-101.3984854	293965.4046063967	4382365.347381772	3418.785052057972	3214.438208061742	3107.744841523245	3107.284766431757	307.03365	105.1994413018454
308	286	11208	-168321.1413	980497.3170250766	39.56626638104893	-101.3961457	294166.018521915	4382361.26923395	3418.7610513391473	3211.957796845831	3106.467137606114	3107.2224078487893	305.4906924871684	105.4906924871684
309	286	11209	-167661.1413	980497.3170250766	39.56627788568825	-101.3938061	294367.1188420156	4382357.91305829	3417.627295	3210.500729117739	3104.623574473385	3105.4795771953814	305.0211519223576	105.0211519223576
310	286	11210	-167001.1413	980497.3170250766	39.566289345091484	-101.3914664	294568.15563009418	4382353.114	3417.00436059279	3209.084139991374	3102.187296715874	3102.86813979556	306.102872734187	106.102872734187
311	286	11211	-166341.1413	980497.3170250766	39.56630076	-101.3891268	294776.12521659197	4382349.036	3415.7178873390833	3207.147161591429	3098.61829796384	3097.74997433441	308.0953318204477	107.5991641598776
312	286	11212	-165681.1413	980497.3170250766	39.5663121283450526	-101.3867781	294970.228	4382344.594396357	3409.32478326587	3206.304781940124	3107.348190225134	3104.042749742274	318.783049157237	133.093031325356
313	286	11213	-165021.1413	980497.3170250766	39.56632345217585	-101.3844475	295171.2647857757	4382340.887190105	3407.311030093334	3205.116457308516	3098.143865409523	3094.8556262158	307.021079864302	106.021079864302
314	286	11214	-164361.1413	980497.3170250766	39.566334730803936	-101.3821078	295372.3007686155	4382336.406049329	3408.471187474013	3203.880614386117	3095.853604233385	3093.824278521737	308.0270081527323	106.0270081527323
315	286	11215	-163701.1413	980497.3170250766	39.56634564245514	-101.3797682	295573.336551219	4382332.72850195	3407.3665949613425	3202.672527397403	3095.9422502740713	3093.251316894162	306.7380071233315	109.4925080324098
316	286	11216	-163041.1413	980497.3170250766	39.566357152484292	-101.3774285	295774.3721330464	4382328.65196699	3405.39257428056	3201.5018711526453	3096.1991786755934	3092.6066517224737	306.3026402705198	108.89516542909168
317	286	11217	-162381.1413	980497.3170250766	39.5663683	-101.3750889	295975.4071455736	4382324.57588834	3403.262589	3200.3406780312444	3096.08588	3091.523174455937	304.2550873393426	108.7051635727062
318	286	11218	-161721.1413	980497.3170250766	39.56637933336904	-101.3727482	296176.4242695953	4382320.3	3401.195603905847	3199.185534552491	3095.666257464995	3090.71315967879	307.519104683441	107.0720367093024
319	286	11219	-161061.1413	980497.3170250766	39.56639081748316	-101.370425	296378.583799822	4382315.421084887	3400.03478326587	3200.3406780312444	3096.08588	3091.523174455937	304.2550873393426	108.7051635727062
320	286	11220	-160401.1413	980497.3170250766	39.56640154365348	-101.368069	296585.571525	4382312.105893935	3401.17125310252	3196.87451894175	3093.671931826921	3089.662564030		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevKgs.fg	BR ElevBothKgs.fg	SatTchLogs.ft	SatTchBoth.ft
400	286	21303	-105621.1413	980497.3170250766	39.56715751151007	-101.737862	133623.72372149955	4381978.448581148	3218.0113038572217	3966.62447719863	2996.419990430937	2997.4477983146657	90.12464812928957	99.14646915732082
404	286	21304	-104861.1413	980497.3170250766	39.567147232300648	-101.731536	13464.7246325454	4381970.789	3210.854303066257	2993.79108324888	2993.7910831562427	90.14597321686414	100.6265636212682	
406	286	21305	-104021.1413	980497.3170250766	39.56717188780365	-101.681968	13366.761022809	4381966.731893622	3215.8521689275266	2990.4854363271937	2990.4854363271937	90.15085256738909	103.1293705313843	
408	286	21306	-103641.1413	980497.3170250766	39.56717900831011	-101.666571	13366.7794003487	4381962.675227258	3156.540982330533	2992.69104863384	2988.278554499986	98.228116	104.3306341384672	
407	286	21307	-102881.1413	980497.3170250766	39.56718606350019	-101.645174	134067.7975961044	4381958.61790361	3190.429303	2991.2628636824547	2988.015191541603	2987.930312713794	103.24767214085159	103.3242842650737
408	286	21308	-102321.1413	980497.3170250766	39.56719311350209	-101.621777	134268.81561062685	4381954.65273264	3185.3617907684094	3089.9135460553125	2988.326895119933	2988.1705574937	101.5908765493213	101.74298856492533
409	286	21309	-101661.1413	980497.3170250766	39.5672008030144	-101.59483	134469.833403518	4381958.65703262	3180.294781272585	3088.56136639094	2988.688652850697	2988.348593851848	98.87285135100274	100.2129489491134
410	286	21310	-101001.1413	980497.3170250766	39.5672073970352	-101.574988	134370.8510946571	4381946.450793038	3172.276552861076	3087.2077075710912	2988.826324	2988.337785184782	98.38075403	98.86925273229913
411	286	21311	-100341.1413	980497.3170250766	39.56721362326968	-101.555158	134871.8686562911	4381942.35231685	3169.322644226865	3084.6554366216455	2988.7553391817	2988.1442446021567	97.042322692667	97.70612193628676
412	286	21312	-99651.1413	980497.3170250766	39.56722078151061	-101.528189	135072.885551604	4381938.34	3162.5727841471304	3084.651560691513	2988.470258131998	2987.7090243195915	96.0212647599515	96.72537344
413	286	21313	-99021.1413	980497.3170250766	39.56722785515596	-101.504791	1351073.9026447034	4381934.284765575	3155.83682068196	3083.130783	2987.918383682516	2987.9442844710763	95.2123959514659	95.634898782387
414	286	21314	-98361.1413	980497.3170250766	39.5672344342152	-101.481394	135474.9189342625	4381930.22969707	3149.09355982613	3081.767465466546	2987.204300162329	2986.8372062760424	94.56316530421691	94.9320529082049
415	286	21315	-97701.1413	980497.3170250766	39.56724105782356	-101.457997	135675.9366242337	4381926.17514863	3145.16080010271	3080.403469679265	2986.438607180638	2986.4386072667356	93.94525780728857	94.445257807119094
416	286	21316	-97041.1413	980497.3170250766	39.5672472633943	-101.4346	135876.95313102255	4381918.10257478	3144.0373841325736	3079.039518	2985.537431828861	2984.9318524255006	93.5020861479592	94.5063271706954
417	286	21317	-96381.1413	980497.3170250766	39.5672543954804	-101.411203	136107.96970015176	4381918.06645748	3142.913965245477	3077.724006062186	2984.3904655764477	2983.9038568485867	92.8193592977026	93.8634599377193
418	286	21318	-95721.1413	980497.3170250766	39.56726092755734	-101.38709	136278.9859097506	4381910.41428005	3141.79055237001	3076.301335100365	2983.1597767257007	2982.74519778553	93.1155836460577	93.5561371183348
419	286	21319	-95061.1413	980497.3170250766	39.56726746036793	-101.364849	136480.0104004545	4381909.58617355	3141.63630723887	3074.82678322055	2981.977817290648	2981.605203387697	92.8498633140706	93.32158029328548
420	286	21320	-94401.1413	980497.3170250766	39.5672739479717	-101.341012	136681.0171079145	4381905.905025053	3141.552107273467	3073.5493788153053	2981.557899103244	2980.442158201131	91.914971	93.1702261417437
421	286	21321	-93741.1413	980497.3170250766	39.5672803903127	-101.317614	136882.03463148	4381905.85162545	3143.26660278056	3072.167067319106	2981.2841988034274	2979.284065372203	90.8826851576854	92.8830194690328
422	286	21322	-93081.1413	980497.3170250766	39.5672867860419	-101.294217	137083.048596552	4381897.784891695	3144.081713083662	3070.776566	2981.0823862716416	2978.79523603828	92.9039179203638	92.9039179203638
423	286	21323	-92421.1413	980497.3170250766	39.5672931396179	-101.27082	137284.0644719859	4381893.75562669	3140.104231570802	3069.3787447948725	2980.806211	2976.7842740710274	91.8752340710274	92.6304977538014
424	286	21324	-91761.1413	980497.3170250766	39.5672994463294	-101.247423	137485.0784072165	4381889.95245357	3138.3341615957365	3067.9774116968987	2980.540682525895	2975.706658110915	91.7523437160334	92.2674511579522
425	286	21325	-91101.1413	980497.3170250766	39.5673059285961	-101.224368	137692.943698657	4381885.840374716	3136.567197572598	3065.802185585895	2979.581371788029	2974.4704518674218	91.6287215176203	92.287215176203
426	286	21326	-90441.1413	980497.3170250766	39.56731192446395	-101.200629	137887.0194512965	4381881.5806807395	3134.7902119623196	3065.134629431963	2980.0062588706	2973.799236781954	91.5241715027685	91.2444370792908
427	286	21327	-89781.1413	980497.3170250766	39.5673180658066	-101.177232	138088.1237511205	4381873.53008257	3132.536343079768	3063.140677	2980.107812613797	2973.011951388146	91.36802139450026	90.7047051579416
428	286	21328	-89121.1413	980497.3170250766	39.56732422169854	-101.153834	138289.138	4381874.464166513	3130.75105964187	3062.280416267036	2979.7400331349004	2971.836954444467	91.25408313	90.44346182258914
429	286	21329	-88461.1413	980497.3170250766	39.56733032051967	-101.130437	138490.1524251625	4381869.42543496	3129.04578488067	3060.837426489187	2979.23588951989	2978.23588951989	91.6040837169292	90.43877184
430	286	21330	-87801.1413	980497.3170250766	39.5673363813614	-101.110774	138691.169644921	4381865.381139195	3130.306471330266	3059.3877440313493	2978.935762907856	2976.96143956959	90.4158131239059	91.4263007439025
431	286	21331	-87141.1413	980497.3170250766	39.5673423859561	-101.089168	138892.1802936663	4381861.108358985	3129.39178572598	3058.302185585895	2978.581371788029	2976.581371788029	90.42784796854	91.42784796854
432	286	21332	-86481.1413	980497.3170250766	39.567348527377624	-101.105040	139093.141086441	4381857.278986713	3134.1183633973	3056.4740119331694	2978.4704518674218	2976.4704518674218	90.4158131239059	91.4263007439025
433	286	21333	-85821.1413	980497.3170250766	39.56735431737972	-101.103689	139294.2076	4381853.228358165	3131.247351620442	3055.015965524383	2976.78632734722	2976.689876191145	90.332372896908	91.706705020375
434	286	21334	-85161.1413	980497.3170250766	39.5673600261992	-101.101351	139495.2210150678	4381849.17779005	3129.375133956747	3053.59142371281	2976.91523183013	2976.894293350878	90.73942209	88.7662097251306
435	286	21335	-84501.1413	980497.3170250766	39.5673658384264	-101.099054	139696.2360241279	4381845.12798173	3129.98263943939	3052.105112346244	2976.782831237803	2976.3128688235673	90.7322281084402	88.97624411057905
436	286	21336	-83841.1413	980497.3170250766	39.5673716026596	-101.096657	139897.2427173616	4381841.07730604	3127.098951339758	3050.656305637655	2976.625540954063	2976.25540954063	90.7308099362931	84.006936328033
437	286	21337	-83181.1413	980497.3170250766	39.5673772188996	-101.094326	140098.26050497307	4381837.02432487	3126.07603301773	3049.213622292935	2976.146145	2976.5678481343286	90.76273734	83.4274097860542
438	286	21338	-82521.1413	980497.3170250766	39.56738342985961	-101.091963	140299.2643692171	4381832.97777744	3124.247351620442	3047.771727742318	2976.25540954063	2976.25540954063	90.7308099362931	84.006936328033
439	286	21339	-81861.1413	980497.3170250766	39.56738882478996	-101.089465	140500.28520415793	4381828.9234147	3124.9668107547295	3046.3497825804	2976.33429058804	2976.33429058804	90.7308099362931	84.006936328033
440	286	21340	-81201.1413	980497.3170250766	39.56739430365626	-101.087308	140701.2975161434	4381824.879123856	3124.16469635276	3044.93816722372	2965.35164037584	2962.542130109986	90.5895626479478	82.996371
441	286	21341	-80541.1413	980497.3170250766	39.56739974679237	-101.084961	140902.3065313927	4381820.83	3124.365285104235	3043.524955	2963.31708211969	2962.542130109986	90.5895626479478	82.996371
442	286	21342	-79881.1413	980497.3170250766	39.567405402001951	-101.0826274	141103.32165191976	4381816.71344805	3124.560387388276	3042.163186872095	2961.138602671654	2961.138602671654	91.0263265447975	92.2362404108215
443	286	21343	-79221.1413	980497.3170250766	39.56741088804724	-101.080287	141304.33400412634	4381812.73278862	3124.768556473882	3040.7979953692869	2959.458449642616	2959.458449642616	91.0263265447975	92.2362404108215
444	286	21344	-78561.1413	980497.3170250766	39.56741630081528	-101.077947	141505.3458115128	4381808.6844739	3124.530063707523	3039.445273720306	2957.357916087716	2956.97339864288	92.06781164	82.477270759375
445	286	21345	-77901.1413	980497.3170250766	39.56742148804454	-101.075629	141706.35593496	4381804.351524	3124.31247351620442	3038.2545673882	2956.2545673882	2956.2545673882	92.06781164	82.477270759375
446	286	21346	-77241.1413	980497.3170250766	39.56742676	-101.073285	141907.367742489	4381800.58490285	3124.095301176263	3036.77613742087	2954.7197477474	2954.7197477474	92.06781164	82.477270759375
447	286	21347	-76581.1413	980497.3170250766	39.5674320281639	-101.070928	142108.3788172024	4381796.54071926	3123.85452279341165	3035.6754860678684	2953.2802432730623	2953.2802432730623	92.06781164	82.477270759375
448</														

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurElev.T	W.Lt	BRtElev.LogKrg.f	BRtElev.LogKrg.f	SatThtLog.f	SatThtBoth.f
529	286	11429	-22461.14133	980497.3170250766	39.567710126508345	-100.8790706	338980.7176	4381465.37357511	2941.9749531748766	2930.6761397124756	2831.0590908229265	2834.1073833281075	72.81704889	69.5687563438604
530	286	11430	-21801.14133	980497.3170250766	39.56771164215711	-100.8767038	338791.749900403	4381461.34380107	2940.65904616331	2931.7005901259293	2829.651765444227	2831.17716504047536	72.134158430663	70.0189407367571
531	286	11431	-21141.14133	980497.3170250766	39.56771312609915	-100.874381	338592.722375854	4381457.314444197	2940.1866464591854	2939.9849428	2828.5318716332334	2829.52682814715546	72.365743090903	70.365743090903
532	286	11432	-20461.14133	980497.3170250766	39.56771454	-100.8720164	339193.7093	4381453.28520354	2940.55178804175	2937.9689848920457	2828.914824282655	2827.6038502449116	71.0741606342012	70.36517064713403
533	286	11433	-19821.14133	980497.3170250766	39.567715917903485	-100.8697116	339394.70626545383	4381449.256382134	2940.9297111164824	2936.07597965171	2825.069703839772	2825.78430404005195	71.00627125374467	70.29157025
534	286	11434	-19161.14133	980497.3170250766	39.56771725272252	-100.8673719	339595.7034565155	4381445.272608054	2941.012434282261	2934.156660643036	2824.04587405873	2824.371089623201	69.8357098130147	69.5947508130147
535	286	11435	-18501.14133	980497.3170250766	39.56771854240103	-100.8650321	339796.6960730874	4381441.1991549	2946.994868725687	2892.2808145919854	2823.1222930375397	2822.687143277056	69.1057215844561	69.54057586492945
536	286	11436	-17841.14133	980497.3170250766	39.56771976684914	-100.8626284	339967.6913966876	4381437.170927813	2958.0100477006818	2906.2929572769975	2823.2745592714047	2821.5999377644944	67.0183641	68.6930192
537	286	11437	-17161.14133	980497.3170250766	39.56772089650765	-100.8603527	340196.69543008	4381433.14287816	2968.2518716332334	2922.57296138695	2825.5982814715546	2825.78430404005195	65.7789104386062	65.7789104386062
538	286	11438	-16521.14133	980497.3170250766	39.56772214014728	-100.8580123	340399.689513887	4381429.11504638	2980.04073521495	2886.407103385978	2821.817009562955	2819.47187376095	64.5900142936312	64.5900142936312
539	286	11439	-15861.14133	980497.3170250766	39.56772325	-100.8556732	340690.684818332	4381425.087431855	2984.46166059535	2821.163964267516	2822.6597650662947	2822.6597650662947	63.2901923019314	61.80188492905545
540	286	11440	-15201.14133	980497.3170250766	39.56772431264473	-100.8533334	340801.680498935135	4381421.06035465	2982.11163841301	2820.534001236492	2821.853395057843	2821.853395057843	61.98404511297514	60.6641113058447
541	286	11441	-14541.14133	980497.3170250766	39.56772533109341	-100.8509937	3410022.6716564047	4381417.032858655	2979.820455911457	2819.898761754118	2817.148228622814	2816.6040706939706	56.8603137199363	56.8603137199363
542	286	11442	-13881.14133	980497.3170250766	39.567726334042074	-100.8486539	341203.6717079078	4381413.0589002	2978.6483218542646	2816.449414776234	2810.7411041518776	2810.7411041518776	54.6980778390675	54.6980778390675
543	286	11443	-13221.14133	980497.3170250766	39.5677272239073	-100.8463142	341404.607965359	4381408.915912596	2978.7005927409997	2816.7289441259823	2816.0337915017417	2815.6503725	50.6995158835436	51.125219007452415
544	286	11444	-12561.14133	980497.3170250766	39.56772811523934	-100.8439745	341605.662331074	4381404.95221644	2983.334259993094	2817.432613189308	2815.404210811095	2814.78906259519724	50.42140228	50.03562165352042
545	286	11445	-11901.14133	980497.3170250766	39.56772895288833	-100.8416347	341806.657125548	4381400.653218078	2992.960124454476	2827.9426992033687	2814.717485841582	2813.745685451173	50.2252624817865	50.1997096656293
546	286	11446	-11241.14133	980497.3170250766	39.567729745336855	-100.839295	342007.65244079323	4381396.900226514	2997.261746890014	2817.04653061684	2813.963939765847	2813.963939765847	51.152543003161	51.7283902143989
547	286	11447	-10581.14133	980497.3170250766	39.56773049285836	-100.8369552	342208.6427160396	4381392.47356163	2998.744745902597	2825.95888681838	2821.945519531834	2813.689160002424	50.3610390360034	50.5667256596074
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550	286	11450	-8601.14133	980497.3170250766	39.56773246313064	-100.82936	342811.630562765	4381380.796018175	2994.35173458769	2863.96507359068	2808.739293	2815.376197450173	50.842618606579	48.6082623945082
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557	286	11457	-3981.14133	980497.3170250766	39.56773562969648	-100.8135878	344224.5869911265	4381352.473967968	2999.509518716787	2854.720995187372	2803.720995187372	2803.720995187372	50.278995187372	50.278995187372
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566	286	11466	1958.85867303514	980497.3170250766	39.5677395012299804	-100.7925001	346027.5159056864	4381316.42413848	2998.973254147484	2845.936071231952	2791.950543897678	2793.630430400063	52.0486247173005	52.0486247173005
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569	286	11469	3938.85867303514	980497.3170250766	39.5677395464281	-100.7854809	346630.439804747	4381304.360238634	2998.973254147484	2845.936071231952	2791.950543897678	2793.630430400063	52.0486247173005	52.0486247173005
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572	286	11472	5918.85867303514	980497.3170250766	39.5677395464281	-100.7784411	347233.467423098	4381292.2981209	2998.973254147484	2845.936071231952	2791.950543897678	2793.630430400063	52.0486247173005	52.0486247173005
573	286													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIEVLogKgr.f	BREIEVBoth.f	SatHtVLog.f	SatHtBoth.f
655	2811555	60986.8586730335	904937.3170250766	39.56754514823243	-100.5842634	395163.2270070383	4380959.3598821985	1831.6449917799688	2701.584273337005	2626.3339511317388	2626.4913138667598	75.2503220526646	75.0925994202656	
656	2811556	61358.8586730335	904937.3170250766	39.5675405869771	-100.5813236	395164.2063380210	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
657	2811557	60813.8586730335	904937.3170250766	39.5675404628456	-100.5813236	395164.2063380210	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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659	2811559	63338.8586730335	904937.3170250766	39.56752815885562	-100.5749045	395164.1135527451	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
660	2811560	63998.8586730335	904937.3170250766	39.56752578851231	-100.5725647	395164.1236245251	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
661	2811561	64658.8586730335	904937.3170250766	39.5675193269935	-100.5702255	395164.110462148	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
662	2811562	65318.8586730335	904937.3170250766	39.5675149422675	-100.5678283	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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664	2811564	66638.8586730335	904937.3170250766	39.5675059514275	-100.5632058	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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667	2811567	68618.8586730335	904937.3170250766	39.56749201051975	-100.5561866	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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673	2811573	72578.8586730335	904937.3170250766	39.5674630088306	-100.5421483	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
674	2811574	73238.8586730335	904937.3170250766	39.5674600774565	-100.5398085	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
675	2811575	73898.8586730335	904937.3170250766	39.5674562893736	-100.5374688	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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692	2811592	85118.8586730335	904937.3170250766	39.56736040216556	-100.4979368	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
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694	2811594	86438.8586730335	904937.3170250766	39.56734863114024	-100.4930411	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
695	2811595	87098.8586730335	904937.3170250766	39.56734271	-100.4906744	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
696	2811596	87758.8586730335	904937.3170250766	39.56733672324686	-100.4883347	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
697	2811597	88418.8586730335	904937.3170250766	39.5673307420645	-100.486017	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76.89521246352251	76.76393634699506	
698	2811598	89078.8586730335	904937.3170250766	39.56732461281864	-100.4836552	395164.0279863303	4380955.357660411	2805.621749081065	2699.86077184917	2622.984867213394	2622.984867213394	76		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f	
42	287	211681	-345451.1413	181157.1372025076	39.563309434368846	-102.0208266	240485.4734485691	4338369.286504189	370.107133363895	3580.342744455417	3528.629348864501	3528.956605391351	56.71395509091575	51.386094060405674
42	287	211682	-345881.1413	181157.1372025076	39.563414011519863	-102.0184872	240686.57144441114	4338365.149343265	377.3435951262958	3578.1836594713445	3523.1027041714822	3523.3011133	56.1526505986225	51.15276272
43	287	211683	-346221.1413	181157.1372025076	39.563481182192101	-102.021113	240894.2502326518	4338351.012354026	372.8248467933695	3572.039273683635	3522.352362358993	3522.137009666244	50.8925811239444	50.8925811239444
44	287	211684	-346561.1413	181157.1372025076	39.563461023262946	-102.0138084	241088.76665112666	4338346.57898005	370.0774337707733	3576.909521236552	3521.6767954702077	3526.2554452352357	50.3234168031285	50.68397300146235
45	287	211685	-341901.1413	181157.1372025076	39.56348446	-102.011469	241289.86389111712	4338342.739447856	377.3269898146583	3575.794567140453	3521.218207271452	3525.226494088337	50.37536986909554	50.567618052013586
46	287	211686	-341241.1413	181157.1372025076	39.5634370856578304	-102.009126	241490.96068015782	4338363.603	376.45762584352543	3520.8611312522817	3524.15641529726417	53.631455128972640	50.5361115056125	51.02981151726622
47	287	211687	-340581.1413	181157.1372025076	39.563531194651635	-102.0067902	241692.0575455667	4338364.467232485	376.3192748764526	3573.603805362366	3520.4148253684152	3522.8731909189704	53.1882551689213	51.02981151726622
48	287	211688	-339921.1413	181157.1372025076	39.563544974135314	-102.0044058	241893.1562454968	4338330.311457643	372.5259776874204	3519.362599210998	3521.1917586434762	51.758643474262	51.758643474262	51.758643474262
49	287	211689	-339261.1413	181157.1372025076	39.56357775262935	-102.0021113	242084.2502326518	4338326.1950436265	376.3192748764526	3573.603805362366	3520.4148253684152	3522.8731909189704	53.1882551689213	51.02981151726622
50	287	211690	-338601.1413	181157.1372025076	39.56360026253365	-101.9997179	242256.346182558	4338322.06073429	376.3192748764526	3573.603805362366	3520.4148253684152	3522.8731909189704	53.1882551689213	51.02981151726622
51	287	211691	-337941.1413	181157.1372025076	39.563624128042004	-101.9974235	242495.1467159213	4338317.925404039	376.3192748764526	3573.603805362366	3520.4148253684152	3522.8731909189704	53.1882551689213	51.02981151726622
52	287	211692	-337281.1413	181157.1372025076	39.56364724977926	-101.9950391	242697.53131182503	4338361.790575641	3769.072374	3568.338994445268	3507.776020028546	3508.345252768405	59.96506416784223	59.96506416784223
53	287	211693	-336621.1413	181157.1372025076	39.5636703227707836	-101.9927537	242898.63249435995	4338369.95051058	377.033027063038	3567.323404707983	3505.252881608969	3505.252881608969	62.07488349792884	62.07488349792884
54	287	211694	-335961.1413	181157.1372025076	39.5636933252584	-101.9904142	243099.724224058	4338361.25146654	376.98137834007	3566.2137834007	3502.99581088735	3502.99581088735	63.2954927187	63.2954927187
55	287	211695	-335301.1413	181157.1372025076	39.5637136360791	-101.9880748	243300.8220961643	4338361.387444431	376.4185719319528	3565.34638363074	3501.038119724476	3500.083385289064	64.26782441	64.26782441
56	287	211696	-334641.1413	181157.1372025076	39.56373927577298	-101.9857354	243501.1616184572	4338357.234303979	377.322457899145	3564.341537207398	3499.38076302554	3497.776570200913	64.9532826374404	64.9532826374404
57	287	211697	-333981.1413	181157.1372025076	39.56376216974804	-101.983396	243703.010681545	4338358.119465297	376.22633858761	3563.367428220574	3497.849467190956	3495.6010087108925	65.1796102916725	65.1796102916725
58	287	211698	-333321.1413	181157.1372025076	39.56378510533004	-101.9810565	243904.1045379663	4338359.958307372	375.130219328373	3562.4002316191954	3496.48968284525	3490.4042173390527	67.0001683	67.0001683
59	287	211699	-332661.1413	181157.1372025076	39.563807802212787	-101.9787171	244105.1982547876	4338358.852573201	374.193020814777	3561.437534296558	3495.290168826857	3484.5956001585295	66.147365469202189	66.147365469202189
60	287	211700	-332001.1413	181157.1372025076	39.563830580512874	-101.9763777	244306.29165790594	4338380.71495777	377.4134714117364	3560.47493834877	3494.237639246627	3491.6865482797297	66.789025215718	66.789025215718
61	287	211701	-331341.1413	181157.1372025076	39.563853237407084	-101.9740382	244507.3848102506	4338376.55869891	377.6364652401773	3559.03308331603	3493.217995046884	3492.5431571553463	66.285382891464	66.285382891464
62	287	211702	-330681.1413	181157.1372025076	39.563875967173136	-101.9716988	244708.477095235	4338375.435981332	377.851871272396	3558.505946424847	3491.7917133417	3491.79240919259	66.5707550545816	66.5707550545816
63	287	211703	-330021.1413	181157.1372025076	39.56389872161678	-101.9693527	244915.1290435338	4338345.331	376.471084	3558.267492464574	3492.0814269216892	3491.79240919259	66.5707550545816	66.5707550545816
64	287	211704	-329361.1413	181157.1372025076	39.56392116224882	-101.967019	245110.6627511986	4338354.18923338	376.851821696798	3556.239040140958	3489.70220905413	3467.0558225053	66.5707550545816	66.5707550545816
65	287	211705	-328701.1413	181157.1372025076	39.56394386470216	-101.9646805	245311.754893447	4338352.07218682	376.1259952462826	3554.83351578733	3487.125783142585	3486.8087381224917	67.7177416	67.7177416
66	287	211706	-328041.1413	181157.1372025076	39.56396618195502	-101.962341	245512.8467836195	4338355.92435484	376.58374470096	3553.28935	3483.765141330916	3469.91073454209	67.7177416	67.7177416
67	287	211707	-327381.1413	181157.1372025076	39.56398862403737	-101.9600016	245713.3842210056	4338351.79384708	376.31305	3551.652042	3480.04879471485	3469.236368498243	68.004631366501	68.004631366501
68	287	211708	-326721.1413	181157.1372025076	39.564011020919246	-101.9576261	245915.0298091525	4338347.6623344	376.89047121396603	3549.978084576548	3476.343728570214	3468.7406226619	68.3345661	68.3345661
69	287	211709	-326061.1413	181157.1372025076	39.56403892161678	-101.9553227	246125.1290435338	4338345.331	376.471084	3549.267492464574	3492.0814269216892	3491.79240919259	68.5707550545816	68.5707550545816
70	287	211710	-325401.1413	181157.1372025076	39.56405556791112	-101.9529735	246317.21182684	4338349.400519697	376.505146	3549.5904142802	3490.5891742009	3477.001214749326	68.81185364582103	68.81185364582103
71	287	211711	-324741.1413	181157.1372025076	39.56407790402136	-101.9506438	246518.3024617934	4338353.27	376.3192748764526	3544.892273989563	3486.912621932535	3463.8151386483	67.77952743702935	67.77952743702935
72	287	211712	-324081.1413	181157.1372025076	39.56410105140775	-101.948304	246719.2480245028	4338331.139392249	375.7653195394595	3543.195697988877	3464.95847286617	3462.5817127402264	68.05785103178405	68.05785103178405
73	287	211713	-323421.1413	181157.1372025076	39.564122327469434	-101.9459649	246920.48297613277	4338327.009	374.0833953569197	3541.503256	3463.762830159184	3462.5817127402264	68.05785103178405	68.05785103178405
74	287	211714	-322761.1413	181157.1372025076	39.5641445321813	-101.9436255	247121.5729570675	4338326.879149085	375.819167772473	3539.8156772318408	3463.314763	3462.2611773234073	67.50089425634087	67.50089425634087
75	287	211715	-322101.1413	181157.1372025076	39.56416653756543	-101.941286	247322.6625889573	4338318.749369938	374.1230722944717	3538.134169478423	3463.1371048161885	3462.2611773234073	67.50089425634087	67.50089425634087
76	287	211716	-321441.1413	181157.1372025076	39.564188959121678	-101.9389465	247523.1617053338	4338345.331	376.471084	3538.267492464574	3492.0814269216892	3491.79240919259	68.5707550545816	68.5707550545816
77	287	211717	-320781.1413	181157.1372025076	39.56421055928701	-101.9366071	247724.8410119925	4338340.49049958	376.3478274227	3536.16026528548	3489.04298870513	3467.0558225053	67.7177416	67.7177416
78	287	211718	-320121.1413	181157.1372025076	39.5642350426144	-101.9342676	247925.929841008	4338306.36123442	374.854561163733	3533.134057940446	3485.049549224165	3454.877561167606	68.040463719808	68.040463719808
79	287	211719	-319461.1413	181157.1372025076	39.5642544044488	-101.9319282	248127.108168645	4338324.2324477	373.20399318577	3531.484262414097	3480.81933601616	3462.5817127402264	68.05785103178405	68.05785103178405
80	287	211720	-318801.1413	181157.1372025076	39.564276586371	-101.9295887	248328.1070004987	4338348.103744875	371.639336446525	3529.842678421906	3471.78533683517	3462.5817127402264	68.05785103178405	68.05785103178405
81	287	211721	-318141.1413	181157.1372025076	39.5642986083967	-101.9272492	248529.1951320473	4338349.97328469	371.437991524773	3528.2099618676312	3464.32969370828	3455.89736389622	68.132159819	68.132159819
82	287	211722	-317481.1413	181157.1372025076	39.56431982249583	-101.9249098	248730.2830119348	4338349.97328469	371.0190192036025	3526.58468248396	3445.31761995637	3444.812961780365	67.7526048713251	67.7526048713251
83	287	211723	-316821.1413	181157.1372025076	39.56434182249583	-101.9225703	248937.960674	4338349.97328469	371.0190192036025	3526.58468248396	3445.31761995637	3444.812961780365	67.7526048713251	67.7526048713251
84	287	211724	-316161.1413	181157.1372025076	39.5643632205958	-101.9202208	249130.4704873455	4338349.97328469	371.0190192036025	3526.58468248396	3445.31761995637	3444.812961780365	67.7526048713251	67.7526048713251
85	287	211725	-315501.1413	181157.1372025076	39.56438485373267	-101.9178194	249333.541880921	4338347.46366665	371.					

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevLogKrg	BRElevBothKrg	SurfBothKrg	SatBothKrg
167	287	21807	-26381.1413	1815157.3170250766	39.566004412416144	-01.7260605	265821.8663053834	43831.39.75061369	306.33450993713684	318.6356191166055	3308.8426078248817	309.97391129172381	111.6628209681712
168	287	21808	-26072.1413	1815157.3170250766	39.56602246004417	-01.7237109	266102.9335726222	43831.35.64854192	302.5974434831387	341.47489331184054	3305.275163186195	326.9635910112413	112.1551167987659
169	287	21809	-25601.1413	1815157.3170250766	39.566040322477754	-01.7213174	266234.0008698124	43831.31.6888580305	300.8501921912912	343.62183013835566	3304.158391798847	326.9635910112413	112.90601661057841
170	287	21810	-25940.1413	1815157.3170250766	39.56605811	-01.7190318	266425.0614614984	43831.27.4120102695	306.1271120170678	341.507100984103	3298.1603367698763	329.4704846646356	116.8465047152665
171	287	21811	-25874.1413	1815157.3170250766	39.56605785761546	-01.7166922	266626.1338994969	43831.23.202536648	3598.1396244466265	341.7967919079965	3294.966697713841	329.5232151	118.8009414915546
172	287	21812	-25808.1413	1815157.3170250766	39.5660345841168	-01.7143526	266827.20033510023	43831.19.12123467	3603.7567127260136	342.5917572760136	3292.098026351126	329.670715040484	120.4396646409091
173	287	21813	-25742.1413	1815157.3170250766	39.56611120026725	-01.7120131	267028.2664502882	43831.15.10432495	3597.960241832222	341.1386246464127	3289.335471302011	328.6667483886594	122.06269114440192
174	287	21814	-25676.1413	1815157.3170250766	39.56612880672825	-01.7096739	267229.3235373116	43831.10.996250495	3597.8430245514996	340.12467544008716	3286.718036848676	3286.458122662322	123.05287175600397
175	287	21815	-25601.1413	1815157.3170250766	39.566146387994605	-01.7073388	267430.3979916041	43831.05.8888580305	3598.850931912912	3409.964698129784	3284.2183712686492	3284.96987983874	124.8686164433748
176	287	21816	-25544.1413	1815157.3170250766	39.566163894065306	-01.7049843	267651.4634181012	43831.02.78150568	3597.99349576884	341.8285700364474	3282.16514387309846	328.16527691343749	125.8273039779946
177	287	21817	-25478.1413	1815157.3170250766	39.56618135	-01.7026547	267832.5862514775	43830.98.63381728	3592.907506618021	340.656236321266	3279.550200419173	327.9746669231366	126.9875994047502
178	287	21818	-25421.1413	1815157.3170250766	39.56619870625519	-01.7003151	268033.5953839163	43830.94.56693739	3590.9567439709763	340.592146692144	3277.3001210180905	327.51715824735	128.026256740599
179	287	21819	-25361.1413	1815157.3170250766	39.5662166111312	-01.6987576	268234.5323362627	43830.90.46015713	3588.80438363072	340.5078902000208	3275.065481415011	327.507427522273	130.6124214851969
180	287	21820	-25280.1413	1815157.3170250766	39.56623406405864	-01.6965636	268435.7223840897	43830.86.354	3586.465596013309	340.42164147473186	3272.854340063894	327.51917237518	131.36207468362454
181	287	21821	-25214.1413	1815157.3170250766	39.56625076950375	-01.6932964	268636.781776731	43830.82.24765192	3584.127142599545	340.339567717395	3270.725858905024	327.922714521604	132.4733938168888
182	287	21822	-25148.1413	1815157.3170250766	39.566280144081	-01.6909568	268837.8517142231	43830.78.14150727	3581.77894567815	340.20477804912	3268.490095652837	326.720152838947	134.1146803726232
183	287	21823	-25082.1413	1815157.3170250766	39.5662852311487	-01.6886172	269038.9149962744	43830.74.03257113	3580.234560722986	340.1805172337881	3268.500134501637	326.664783714355	135.33503783624383
184	287	21824	-25016.1413	1815157.3170250766	39.56632039	-01.6862776	269239.97859840817	43830.69.92584344	3579.49174120616	340.108012352809	3264.8182768589136	326.6257869596474	136.7945433970446
185	287	21825	-24950.1413	1815157.3170250766	39.5663194944647	-01.683938	269441.0419705054	43830.65.824123411	3578.74892134632	340.3345060301085	3263.3449166979963	326.63569897	136.9895893311225
186	287	21826	-24884.1413	1815157.3170250766	39.56633655906877	-01.6815984	269642.1051144136	43830.61.718901309	3578.006102725216	339.9942498786877	3261.927602377925	326.63274545	137.1271056113788
187	287	21827	-24818.1413	1815157.3170250766	39.5663357798901	-01.6792588	269843.1680316868	43830.57.614	3576.91033848473	339.8585186284893	3260.490055898371	326.1894664387114	137.6663399312872
188	287	21828	-24752.1413	1815157.3170250766	39.56637055171921	-01.6769192	270044.2307220853	43830.53.509101564	3576.41616967213	339.8116377030253	3259.21142638297	326.3054929008195	138.3045643259594
189	287	21829	-24686.1413	1815157.3170250766	39.5664010239351	-01.6745964	270245.29318571	43830.49.40328907	3575.4441452690521	339.7241452690521	3258.049355109217	326.19817257474	140.46130513338
190	287	21830	-24620.1413	1815157.3170250766	39.5664043831232	-01.672724	270464.3554203747	43830.45.3	3572.5641032048697	339.623340430427	3256.945584534743	325.8727304094356	138.6804409326264
191	287	21831	-24554.1413	1815157.3170250766	39.56642120176015	-01.6699004	270647.414374043	43830.41.196057984	3571.61446945227	339.5868334050322	3255.810662152408	325.89607712510671	138.6760725191071
192	287	21832	-24488.1413	1815157.3170250766	39.5664379947129	-01.6675608	270848.47921902314	43830.37.092157102	3571.1546913075696	339.5096718	3254.816423624703	325.4398442489304	140.2802941153707
193	287	21833	-24421.1413	1815157.3170250766	39.5664542472024	-01.6652212	271049.5407781246	43830.32.98466201	3570.693354716205	339.43072354716205	3253.457121413917	325.3540557899933	140.8501145707305
194	287	21834	-24356.1413	1815157.3170250766	39.56647145032341	-01.6628816	271250.6021115803	43830.28.85001449	3570.24130073253	339.33495779	3252.3430725801954	3250.99285510768	141.1527061685448
195	287	21835	-24281.1413	1815157.3170250766	39.56649810239351	-01.660542	271451.6531	43830.24.79175498	3569.858586787816	339.2586858692225	3251.468631816816	325.171734327579	141.9362072368686
196	287	21836	-24224.1413	1815157.3170250766	39.5665054715709	-01.6582024	271625.917420452	43830.20.95137418	3569.201951370155	339.2062951370155	3250.48909474709	325.171734327579	142.9089043
197	287	21837	-24158.1413	1815157.3170250766	39.56655218154714	-01.6558628	271853.78476017807	43830.16.579381145	3559.8707892614	339.8026241357837	3249.16190350441	324.76513234764006	141.7813378469925
198	287	21838	-24092.1413	1815157.3170250766	39.5665738032796	-01.6535232	272054.8452	43830.12.437300825	3555.828202	339.972564579205	3248.0742019167324	324.7369652454118816	145.85324511915486
199	287	21839	-24026.1413	1815157.3170250766	39.566582479913426	-01.6511836	272255.9054014769	43830.08.371	3553.28758993519	338.927829205141	3247.021265	323.9507786896563	146.9056436705103
200	287	21840	-23960.1413	1815157.3170250766	39.56657701130344	-01.648884	272456.9654	43830.04.28488821	3552.271450918303	338.7878965910214	3245.985108546037	324.736130312147587	157.06566472957
201	287	21841	-23894.1413	1815157.3170250766	39.56658707497994	-01.6468504	272658.055451546	43830.00.16692394	3551.255119010863	338.6792513613454	3245.047797052405	324.731454540098546	163.3831927787474
202	287	21842	-23828.1413	1815157.3170250766	39.5666034350508	-01.644146	272859.0847049045	43829.96.0522832	3550.2565252832	338.53095434274	3244.04355109217	324.731454540098546	163.3831927787474
203	287	21843	-23762.1413	1815157.3170250766	39.56661973430854	-01.6418252	273060.1440926906	43829.91.963750241	3552.55685023707	338.4353209430427	3242.938156765423	324.104274673241247	147.4917635369164
204	287	21844	-23696.1413	1815157.3170250766	39.56663598491644	-01.6394856	273261.20318118425	43829.87.26249279	3558.206420496986	338.3194573015685	3241.869237676354	322.044904509877	141.3253353333474
205	287	21845	-23630.1413	1815157.3170250766	39.5666521032874	-01.6371459	273462.2620461865	43829.83.8598309389	3557.8598309389	338.1915016505502	3240.6254575406506	322.1780605186245	141.2860410898965
206	287	21846	-23564.1413	1815157.3170250766	39.56666350545385	-01.6348063	273663.3206802026	43829.79.66039598	3569.511311989828	338.05916608464	3238.890483195634	322.092846296995	141.6986728731208
207	287	21847	-23498.1413	1815157.3170250766	39.5666844655638	-01.6324667	273864.3791068878	43829.75.56	3569.792130739876	337.93965266536794	3238.9640212341508	323.9369576654345	145.535671202345
208	287	21848	-23432.1413	1815157.3170250766	39.56670053391696	-01.6301271	274065.437	43829.71.46	3564.702532524147	337.838946386260	3232.071115336025	323.7028974004474	146.771474777404
209	287	21849	-23366.1413	1815157.3170250766	39.56671680600127	-01.6278912	274267.628566124	43829.67.5815724	3562.78958758267	337.746937836	3231.746937836	323.746937836	147.936937836
210	287	21850	-23300.1413	1815157.3170250766	39.5667353945509	-01.6254749	274467.5530277707	43829.63.2596228	3554.225655676836	337.6493990328	3234.749533996424	322.7122923293457	145.618456396466
211	287	21851	-23234.1413	1815157.3170250766	39.56674847369314	-01.6231082	274668.6105565821	43829.59.15989496	3548.254157057469	337.491205329727	3232.97989648597	3231.400792853994	145.5112568113012
212	287	21852	-23168.1413	1815157.3170250766	39.56676436273535	-01.6207686	274869.6678639946	43829.55.00737335	3540.7804241613085	337.39194234241695	3226.56520355616	3230.9284556479083	145.42902408655435
213	287	21853	-23102.1413	1815157.3170250766	39.5667802058174	-01.618429	275070.7249494397	43829.50.9105086	3543.3156777892614	337.4917187721626	3225.11471028523	3230.49133326182	145.3624085234438
214	287	21854	-23036.1413	1815157.3170250766	39.56679605232224	-01.6160984	275271.7818130167	43829.46.862054928	3538.854931332628	336.941053634412	3223.630112306783	3220.2529920687067</	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHfLog.ft	SatHfBoth.ft
293	287	21933	-178221.1413	181157.1372050766	35.667901277212016	-11.4312561	291154.5918249056	4382623.7333535	3706.8374085414957	3235.039410955524	3107.0266749124735	3106.41069058333	121.027360430506	126.62872010219098
294	287	21934	-177561.1413	181157.1372050766	35.667913460111195	-11.4289214	291355.6314535312	4382619.505102695	3144.662964629471	3233.42679158115167	3098.840104557575	3097.7548352735917	135.6013008238577	135.6013008238577
295	287	21935	-176901.1413	181157.1372050766	35.6678747677821	-11.4267627	291556.6712386666	4382615.570931499	3418.22233114373119	3222.30363541136	3106.91388462222	3094.514134901416	134.352035218276	137.30206549049133
296	287	21936	-176241.1413	181157.1372050766	35.66783769023546	-11.4242374	291757.7106382966	4382611.489917358	3425.151400537764	3211.2784949376	3101.545647307514	3095.311719771167	128.672012560825	134.8866607267572
297	287	21937	-175581.1413	181157.1372050766	35.66794974	-11.4218973	291958.74983446737	4382607.4095111	3422.808748902326	3228.622153196451	3104.5227015670307	3094.841761	124.0994515304204	137.387037833113
298	287	21938	-174921.1413	181157.1372050766	35.66781739677709	-11.4195576	292159.7888257855	4382603.408511001	3425.1020758132885	3227.0328701339827	3106.15266683357	3093.079689959843	128.082032806566	133.95318113898934
299	287	21939	-174261.1413	181157.1372050766	35.66793769657575	-11.417218	292360.3671313085	4382599.248	3425.880529780262	3225.405405717418	3106.834733799263	3090.57111865962	118.6156719181549	134.69239384516502
300	287	21940	-173601.1413	181157.1372050766	35.667985026872646	-11.4148783	292561.86619651758	4382596.188172527	3425.14156930034	3223.473388734662	3106.558636765527	3088.4307189891856	117.31525194913502	133.44417064545602
301	287	21941	-172941.1413	181157.1372050766	35.6678747477854	-11.4125835	292756.9045746513	4382593.08829611	3424.4077849003458	3222.30363541136	3106.91388462222	3087.1025718054857	116.4169489136779	135.2005115468504
302	287	21942	-172281.1413	181157.1372050766	35.668025960229	-11.410198	292963.942753446	4382587.00861941	3423.671411110398	3220.73903069784	3106.4459233689026	3086.55715103384	114.2931066998131	134.1852785824748
303	287	21943	-171621.1413	181157.1372050766	35.6680120718842	-11.4078591	293164.98072623485	4382582.92173403	3422.2855272939319	3218.1833696540252	3107.335188769258	3085.241874391961	111.8484508709547	127.82942091010864
304	287	21944	-170961.1413	181157.1372050766	35.6680328035959	-11.4055194	293366.018496538	4382578.94694892	3421.2501190506396	3217.6393828469463	3107.582239	3098.003236837569	110.05743738143616	119.63614600937717
305	287	21945	-170301.1413	181157.1372050766	35.66804448805594	-11.4031797	293567.05060405984	4382574.770402848	3418.21412153704607	3216.1094890533584	3107.1615270235607	3103.331788	112.777014328262	119.63614600937717
306	287	21946	-169641.1413	181157.1372050766	35.66805612931621	-11.40084	293768.09342900437	4382570.692153615	3416.179311564201	3214.58120030562	3106.983677504006	3106.267902531616	105.3354816336371	119.63614600937717
307	287	21947	-168981.1413	181157.1372050766	35.66806772452896	-11.3985003	293968.13069157963	4382566.613868365	3415.3271190043728	3213.71232909758	3107.0865227403424	3107.520871736786	106.0206862935655	119.63614600937717
308	287	21948	-168321.1413	181157.1372050766	35.66807927413154	-11.3961606	294170.16755119037	4382562.533230951	3415.640307045789	3211.6412714521075	3107.001867294847	3107.749827141866	104.633047126276	103.8914410214092
309	287	21949	-167661.1413	181157.1372050766	35.6680907769562	-11.3938209	294371.2034104426	4382558.47112361	3415.9505114478534	3210.2045274008084	3107.262062374554	3107.008813963392	103.920677135295	103.196400448805
310	287	21950	-167001.1413	181157.1372050766	35.668102239376515	-11.3914812	294572.24066714315	4382554.379205831	3416.278672149187	3208.80549	3104.538647788907	3106.2425195427825	104.2654471	103.5611734043734
311	287	21951	-166341.1413	181157.1372050766	35.66811368359594	-11.3891415	294773.277222296	4382550.35158583	3415.730425271745	3207.44023552418	3102.509416684877	3102.599761950752	104.93261882931029	104.8422735734298
312	287	21952	-165681.1413	181157.1372050766	35.668125023216254	-11.3868018	294974.3137610853	4382546.224051027	3413.23477278017	3206.124222521155	3100.55260607715	3099.7654718440061	105.1549917644006	105.1549917644006
313	287	21953	-165021.1413	181157.1372050766	35.668136347338395	-11.3846421	295176.3382978637	4382542.146803671	3411.0991186335614	3204.837108593336	3099.027453122147	3107.91506271441	105.0126555471189	107.0580458878917
314	287	21954	-164361.1413	181157.1372050766	35.6681476262608	-11.3821224	295376.380530534	4382538.306775987	3409.8371190043728	3203.587189248127	3107.0865227403424	3107.520871736786	106.0206862935655	107.0580458878917
315	287	21955	-163701.1413	181157.1372050766	35.668159069874076	-11.3798363	295576.4264276784	4382534.356920748	3408.6583436902947	3202.6583436902947	3106.983677504006	3106.267902531616	105.3354816336371	107.0580458878917
316	287	21956	-163041.1413	181157.1372050766	35.6681704051389	-11.3774429	295776.455920966	4382530.915630135	3408.39554824546	3201.1748477911997	3097.235551374027	3107.91305465275	105.9392915817725	107.0580458878917
317	287	21957	-162381.1413	181157.1372050766	35.66817819184199	-11.3751032	295979.4913212667	4382525.84	3408.735548982464	3199.99317436193	3096.69433824987	3092.5093659933654	102.2988355120624	107.483603727258
318	287	21958	-161721.1413	181157.1372050766	35.66819228997151	-11.3727635	296180.5260823594	4382521.736638361	3402.071535533014	3200.8180055253792	3095.82496695074	3094.8014056720914	102.903015683611	100.0039468468184
319	287	21959	-161061.1413	181157.1372050766	35.66820334290242	-11.3704238	296381.56083255063	4382517.687390516	3400.3090528776456	3197.64899756037	3094.59106003355	3098.843778914045	100.0712284193287	100.0712284193287
320	287	21960	-160401.1413	181157.1372050766	35.6682143063474	-11.3680841	296582.5983034945	4382513.61226258	3398.4481169324463	3198.53720037913462	3093.527200338383	3098.843778914045	102.9425403356308	100.65515806072757
321	287	21961	-159741.1413	181157.1372050766	35.66822531316842	-11.3657444	296783.6297340956	4382509.386237287	3398.4481169324463	3198.53720037913462	3093.527200338383	3098.843778914045	102.9425403356308	100.65515806072757
322	287	21962	-159081.1413	181157.1372050766	35.66823637227295	-11.3634047	296984.685857885	4382505.46148101	3398.4481169324463	3198.53720037913462	3093.527200338383	3098.843778914045	102.9425403356308	100.65515806072757
323	287	21963	-158421.1413	181157.1372050766	35.6682471026397	-11.3610469	297185.695	4382501.38416995	3398.4481169324463	3198.53720037913462	3093.527200338383	3098.843778914045	102.9425403356308	100.65515806072757
324	287	21964	-157761.1413	181157.1372050766	35.66825792957738	-11.3587252	297386.73159222231	4382497.311589053	3398.4481169324463	3198.53720037913462	3093.527200338383	3098.843778914045	102.9425403356308	100.65515806072757
325	287	21965	-157101.1413	181157.1372050766	35.668268711316286	-11.3563855	297587.76514734095	4382489.236979174	3386.824087965558	3188.448339511189	3085.69882330646	3072.221177493294	104.7884571805435	118.2671021789532
326	287	21966	-156441.1413	181157.1372050766	35.66827944785645	-11.3540458	297788.795040005	4382489.236979174	3386.824087965558	3188.448339511189	3085.69882330646	3072.221177493294	104.7884571805435	118.2671021789532
327	287	21967	-155781.1413	181157.1372050766	35.66829013919784	-11.3517061	297989.831662407	4382485.084818654	3381.3456312107337	3183.005896726933	3081.21128892346	3073.889754741399	105.7149608705056	124.1371162915854
328	287	21968	-155121.1413	181157.1372050766	35.66830073834076	-11.3493693	298190.8642276784	4382481.01446821	3378.65557652983	3180.75938374516	3080.4592090947	3074.902604011094	105.7149608705056	124.1371162915854
329	287	21969	-154461.1413	181157.1372050766	35.6683113862341	-11.3470266	298391.8952852863	4382476.940371077	3376.04550278318	3185.512801943767	3078.753217732625	3075.95512588572	106.7599017614211	132.0052890409288
330	287	21970	-153801.1413	181157.1372050766	35.668321942023296	-11.3446869	298592.9295017004	4382472.667253911	3373.395440537405	3184.2367251824107	3077.067253017357	3084.5953951378996	107.1699890870507	133.6413300085146
331	287	21971	-153141.1413	181157.1372050766	35.6683323458066	-11.3423472	298793.9621755574	4382469.3932406	3371.226257276325	3182.947842047886	3075.414068314115	3077.067253017357	107.1699890870507	133.6413300085146
332	287	21972	-152481.1413	181157.1372050766	35.668342917827936	-11.3400075	298994.9458778696	4382464.72086632	3369.53789566593	3181.6467513938274	3073.8718683118291	3074.902604011094	105.7149608705056	132.0052890409288
333	287	21973	-151821.1413	181157.1372050766	35.6683533807632	-11.3376777	299196.06661001	4382460.6808555	3367.84603490487	3180.3312591194735	3072.463203536894	3072.463203536894	106.7599017614211	132.0052890409288
334	287	21974	-151161.1413	181157.1372050766	35.66836371302577	-11.335328	299397.058374031	4382456.5736161	3366.161128	3179.002929413013	3071.42963130678	3084.028177973624	107.5704613459336	132.0052890409288
335	287	21975	-150501.1413	181157.1372050766	35.66837407227295	-11.3330328	299598.1231305977	4382451.47047023	3365.04507702556	3178.0394910427	3070.539139619829	3083.0523519588984	106.7599017614211	132.0052890409288
336	287	21976	-149841.1413	181157.1372050766	35.6683845666809	-11.3308308	299804.1502847799	4382444.358797034	3364.2807660047478	3174.91985481149	3068.543619097913	3		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogK.ft	BRIElevBothK.ft	SurfTideLog.ft	SurfTideBoth.ft
419	287	212059	-95001.14313	981157.1372025076	39.5690037981887	-101.1364493	116484.06200266845	4382111.203734775	313.7933934891321	370.452075033667	2981.4481232913095	2980.190801	30.00396174235746	94.26127358837677
420	287	212060	-94401.14313	981157.1372025076	39.5690668759703	-101.1341295	116485.07622262004	4382107.15	313.4399814330638	370.5880254229682	2980.811418992465	2980.811418992465	92.7681043002172	93.69720187035227
421	287	212061	-93741.14313	981157.1372025076	39.5691310164364	-101.1317697	116486.0930464896	4382103.7138854	313.0866278915892	370.701933278984	2980.42349278485	2979.2092457661606	91.29674503946301	92.51024767693938
422	287	212062	-93001.14313	981157.1372025076	39.56909097552404	-101.12943	116477.1083279978	4382094.03084261	313.733273380099	370.344533686274	2980.1840112847976	2976.403511	90.1401420162975	93.84104248
423	287	212063	-92241.14313	981157.1372025076	39.56910669927296	-101.1270082	116478.1231251294	4382094.899972038	312.8425805140635	368.96156704952417	2979.917395512541	2975.0985425330414	89.04411188270054	93.68296546
424	287	212064	-91561.14313	981157.1372025076	39.56911236670385	-101.1247504	116479.13831817384	4382094.30377879	311.5143892029298	367.571444033993	2979.701960923647	2973.771171493294	87.8648041234577	93.79432744
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427	287	212067	-89781.14313	981157.1372025076	39.5691310164364	-101.117731	118992.16196974497	4382078.779175892	316.1874936966667	363.2566017389467	2979.3891538306527	2969.2801465728874	83.857447106939398	93.74740347154949
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatElev.ft	BothElev.ft
543	287	212185	-11901.14327	981157.1370250766	39.56954188421341	-100.8416358	341810.6885891295	3481602.1506249225	2985.953057151451	27.13726264	285.028905667395577	2813.1755205394525	56.28869971622241	58.2007380862765
546	287	21186	-11241.14131	981157.1370250766	39.56954627665234	-100.839296	34180.6382852847	3481598.124	2992.202777089259	2869.48609316291	284.18624300339	281.1646179554502	55.29968471596206	56.0191346178875
547	287	212187	-10981.14132	981157.1370250766	39.56954329507767	-100.836964	34227.618343589	3481594.98	2994.999278975086	2867.823166931708	281.2174874413354	281.216870177833	54.54359827235345	55.4123098832452
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575	287	212215	7898.8586730351	981157.1370250766	39.56954595758595	-100.7714417	34780.463873594	3481481.45810794	2975.769464328033	2833.57302223691	2774.445841898362	2774.445841898362	59.1278603253093	59.56214923773083
576	287	212216	8558.8586730351	981157.1370250766	39.5695454319145	-100.7691019	34801.45165459355	3481477.43839035	2975.7694726970966	2832.80941338187	2772.643917	2772.643917	60.16592472047164	60.9149106506567
577	287	212217	9218.8586730351	981157.1370250766	39.56954423423094	-100.7667621	34822.4441	3481473.418908039	2952.196810661167	2832.0253654832	2770.811332366097	2770.811332366097	61.21693430922234	61.4934519558812
578	287	212218	9878.8586730351	981157.1370250766	39.5695441694534	-100.7644223	34843.4339936196	3481469.4	2949.40839432524	2831.210402596126	2768.624035056911	2768.544964	62.68097013215104	62.6548796262404
579	287	212219	10538.8586730351	981157.1370250766	39.56954347	-100.7620285	34864.423254437	3481465.380579011	2945.6501661719864	2830.33701598647	2768.3365846841254	2768.245723108958	63.95303475592584	64.0948538877174
580	287	212220	11198.8586730351	981157.1370250766	39.5695429510664	-100.7597427	34885.4133550545	3481461.392	2940.935977128917	2829.39514645322	2763.81944920227	2763.81944920227	65.58096189097	65.81254198231227
581	287	212221	11858.8586730351	981157.1370250766	39.5695419363731	-100.7574029	34906.40283167385	3481457.343	2938.2159336079464	2828.4005165633674	2762.87521711489045	2762.87521711489045	66.8248452	67.8248452
582	287	212222	12518.8586730351	981157.1370250766	39.56954110563416	-100.7550631	34927.3921525092	3481453.325	2936.45896032467	2825.35122576248	2761.334056217047	2761.334056217047	67.91769545335	70.2324219203278
583	287	212223	13178.8586730351	981157.1370250766	39.5695402515879	-100.7527233	34948.3813273613	3481449.306325515	2927.728426551224	2826.291868219892	2753.552649	2753.552649	72.72653734469941	73.0928004753297
584	287	212224	13838.8586730351	981157.1370250766	39.5695392641121	-100.7503835	34969.4703576398	3481445.2884983	2924.913455663598	2825.185630413193	2751.1577888781603	2750.726265	74.02784153503262	74.59436543091284
585	287	212225	14498.8586730351	981157.1370250766	39.5695383260331	-100.7480437	34980.5924324614	3481441.27081493	2924.08246372055	2824.082911153952	2750.915716898944	2750.91472444882	75.179162460475	75.8898649009678
586	287	212226	15158.8586730351	981157.1370250766	39.5695373104523	-100.7457039	35006.1347862092	3481437.523285805	2919.2857340103759	2822.973541037579	2749.435231603441	2749.435231603441	76.3542419431787	77.3542419431787
587	287	212227	15818.8586730351	981157.1370250766	39.56953629516763	-100.7432913	35027.42867758	3481433.18863784	2917.441291386758	2820.731886317845	2748.939874770024	2748.939874770024	77.3542419431787	78.3542419431787
588	287	212228	16478.8586730351	981157.1370250766	39.569535143691986	-100.7410243	35043.3521741778	3481429.219	2910.876004790543	2820.735035825256	2748.158570036927	2748.50929	78.3542419431787	79.3542419431787

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SurfBothKgr.ft	SurfBoth.ft
671	287	21231	71258.8586730335	981157.3170250766	39.56928577629739	-100.5468214	367134.88301059965	4381096.557369048	2815.78169	267.4572466975414	2638.9499621732225	2639.080956186269	38.5072842	38.2762951
672	287	21232	71918.8586730335	981157.3170250766	39.569280834352874	-100.5444816	367335.8600525235	4381092.581561622	2810.037193974958	2673.17844119713	2638.17844119713	2638.172635564178	38.0661016540874	38.0700228619274
673	287	21233	72518.8586730335	981157.3170250766	39.5692798	-100.5421149	367636.83706174866	4381088.558971823	2804.782788731285	2637.74719631285	2637.74719631285	2637.745639534171	37.852398981712	37.8609801712
674	287	21234	73121.8586730335	981157.3170250766	39.56927093	-100.5394021	367737.81565255003	4381084.561458417	2798.5272635144875	2676.840747444837	2636.480747309477	2636.587038075527	36.9883057328596	36.9883057328596
675	287	21235	73898.8586730335	981157.3170250766	39.56926858363274	-100.5374263	367938.7905166591	4381080.562555807	2797.887984464515	2672.661021662405	2636.345721968504	2636.716348916732	36.31618017973623	35.94555234066029
676	287	21236	74558.8586730335	981157.3170250766	39.5692608995506	-100.5351225	368139.76705190924	4381076.56526692	2791.434681232437	2673.960060651797	2637.227111016782	2637.54826847	34.2113704705648	34.2113704705648
677	287	21237	75218.8586730335	981157.3170250766	39.56925568109765	-100.5327827	368340.74675600393	4381072.567500393	2806.8736878623	2670.31056177842136	2638.468363923683	2638.76528521383	31.82392738505498	31.5652774527352
678	287	21238	75878.8586730335	981157.3170250766	39.5692505702911	-100.5304429	368541.719432504	4381068.569984857	2811.312403781263	2669.14202835538	2641.043832738446	2641.499187149046	28.0936579707335	27.64284138469191
679	287	21239	76538.8586730335	981157.3170250766	39.56924558775997	-100.5281033	368754.6728513139	4381064.5728513139	2816.294264616518	2667.876474792168	2641.8564311145	2645.50657052293	27.47168733887387	27.47168733887387
680	287	21240	77198.8586730335	981157.3170250766	39.5692400	-100.5255734	368943.8719312178	4381060.575	2816.78337	2666.81592718828	2649.522816413014	2649.52283533037	27.12707305814224	26.18730387891037
681	287	21241	77858.8586730335	981157.3170250766	39.5692347316181	-100.5234238	369144.64783694816	4381056.57892341	2817.27546723157	2665.652311563821	2646.4484823577714	2647.1559020217693	19.203492005011	18.4920835
682	287	21242	78518.8586730335	981157.3170250766	39.5692395874882	-100.521838	369345.62361745595	4381052.58147054	2818.761698742174	2664.938989210136	2641.2924024517934	2641.707495906126	22.723148970407532	22.723148970407532
683	287	21243	79178.8586730335	981157.3170250766	39.5692338667235	-100.518744	369549.59238672935	4381048.58438473	2819.687052984456	2663.3733874756	2636.976934717374	2637.30116250373	23.6049991	23.5673726244186
684	287	21244	79838.8586730335	981157.3170250766	39.56921851	-100.5164043	369747.574803605	4381044.58198613	2817.2697069992	2662.182576940664	2633.391173416654	2637.765289517824	27.91440352410093	28.4224079888178
685	287	21245	80498.8586730335	981157.3170250766	39.5692132293238	-100.5140465	369948.550209681	4381040.593	2815.7768636992	2661.0259134905323	2630.364565067871	2630.794304957627	30.691344922661738	30.269509532885145
686	287	21246	81158.8586730335	981157.3170250766	39.56920748725911	-100.5117427	370149.5254913224	4381038.597333004	2814.28760370764	2659.86596228307	2627.74465097892	2628.2177252414012	31.64206098018525	31.64206098018525
687	287	21247	81818.8586730335	981157.3170250766	39.5692019638526	-100.5093849	370350.5006487775	4381032.602	2817.330925742553	2658.7013448293348	2625.330412166014	2625.91457684831	33.707083344329	32.78954893400274
688	287	21248	82478.8586730335	981157.3170250766	39.569196270310926	-100.5070451	370551.4757	4381028.36634139	2819.05092528827	2657.330497040815	2623.21580957237	2623.8505456197863	34.76861504429514	32.7695147429514
689	287	21249	83138.8586730335	981157.3170250766	39.5691906090359	-100.5047054	370752.4505691931	4381024.611	2807.79706806906	2656.35152072392	2621.420829746212	2621.821635396853	34.6342226717993	34.527516673377
690	287	21250	83798.8586730335	981157.3170250766	39.5691848280569	-100.5023566	370953.4253780058	4381020.61225497	2805.494985277062	2655.18872193616	2619.50192805249046	2619.898981	35.2684471232607	35.2684471232607
691	287	21251	84458.8586730335	981157.3170250766	39.56917913084685	-100.5000788	371154.4004072065	4381016.421490831	2802.90015004979	2657.9768552618	2617.6274128051373	2618.0167048567307	36.3482771205076	35.960106984438
692	287	21252	85118.8586730335	981157.3170250766	39.56917332008275	-100.4975966	371355.374802656	4381012.62697257	2801.729958343408	2652.77470662597	2615.659426391315	2615.67391792323	37.1130442712889	36.5852034527238
693	287	21253	85798.8586730335	981157.3170250766	39.569167163039	-100.4952912	371556.2486935456	4381008.625850137	2791.72995845687	2654.057845482655	2614.3075794376	2615.659426391315	38.524675048614	38.524675048614
694	287	21254	86438.8586730335	981157.3170250766	39.56916154545004	-100.4930055	371757.323209618	4381004.63856295	2794.200152027657	2650.34067906215	2612.001890358416	2612.527634044116	38.7221754537349	37.796335020926
695	287	21255	87098.8586730335	981157.3170250766	39.5691557552176184	-100.4906667	371958.294619256	4381000.645	2791.462261421261	2649.075280840345	2610.3234642200215	2610.83578714371	38.3822714883296	38.3822714883296
696	287	21256	87758.8586730335	981157.3170250766	39.56914944949792	-100.4883269	372159.271508412	4380996.65106492	2788.580234037715	2647.804666831423	2608.677113	2609.27599012506	31.3135353106236	31.5806767064178
697	287	21257	88418.8586730335	981157.3170250766	39.5691431161922	-100.4859872	372360.2543761254	4380992.65792289	2786.7803739417	2646.522519068407	2607.190226956005	2607.69229436039	33.32291134072	33.32291134072
698	287	21258	89078.8586730335	981157.3170250766	39.56913735330065	-100.4836474	372561.219244483	4380990.764404171	2783.730664350055	2645.21660231046	2605.79963971577	2606.418178254137	34.41866648	38.79831898
699	287	21259	89738.8586730335	981157.3170250766	39.5691310240063	-100.4813078	372762.1922545405	4380984.214088232	2781.72995845687	2644.057845482655	2604.3075794376	2605.67391792323	37.1130442712889	36.5852034527238
700	287	21260	90398.8586730335	981157.3170250766	39.56912512704102	-100.4789678	372963.1646712324	4380980.679	2780.730664350055	2642.545191892739	2603.71921584225	2604.08148514319	40.29217346	40.29217346
701	287	21261	91058.8586730335	981157.3170250766	39.569119021003	-100.4766281	373164.139927372	4380976.686053449	2778.87032856848	2641.182345	2602.26587690073	2602.8989696428	38.3616401110954	38.1924754751214
702	287	21262	91718.8586730335	981157.3170250766	39.5691126921963	-100.4742883	373365.1124651394	4380972.694	2775.47102062184	2639.80976894984	2601.435752308524	2602.160324598486	39.3624016886406	37.6400416886406
703	287	21263	92378.8586730335	981157.3170250766	39.56910646513843	-100.4719485	373566.0864447428	4380968.701564869	2773.660427817057	2638.45422242924	2600.9450780201935	2601.914742820394	37.4558340150162	36.9073548
704	287	21264	93038.8586730335	981157.3170250766	39.56910011585699	-100.4696087	373767.052226697	4380964.71	2773.336807180146	2636.94077394678	2600.48266405155	2600.910741760451	36.498073943295	36.07370219436686
705	287	21265	93698.8586730335	981157.3170250766	39.5690937213752	-100.467269	373968.03479259143	4380960.717942417	2771.08933696215	2635.54848481427	2597.29563022688	2597.652017301965	38.2515881959573	37.8964711946216
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707	287	21267	95018.8586730335	981157.3170250766	39.569080796810674	-100.4625894	374369.9768112324	4380954.73	2768.764982042816	2632.6276371199	2598.9051292402	2602.1737764663	42.846249469199	42.846249469199
708	287	21268	95678.8586730335	981157.3170250766	39.56907426672796	-100.4602496	374570.9506294249	4380948.744	2761.956393313534	2631.124484932216	2596.890472559818	2597.082506544001	44.25200767623983	44.059873822077
709	287	21269	96338.8586730335	981157.3170250766	39.56906781448414	-100.4579099	374771.9310250874	4380943.572395603	2759.2323959602	2629.644734430634	2584.4157532354	2584.505614323006	45.22870188670195	45.038910267361
710	287	21270	96998.8586730335	981157.3170250766	39.5690617096161	-100.4555701	374972.8964412195	4380940.76256116	2754.346595258696	2628.13268755674	2582.23631947015	2582.38774962437	46.892730855249	45.7459719131024
711	287	21271	97658.8586730335	981157.3170250766	39.56905445278045	-100.4532023	375173.8702746865	4380936.72271098	2753.6893392919	2626.6105211472594	2580.4482801603	2580.52292499293	48.1622613123748	48.06297815
712	287	21272	98318.8586730335	981157.3170250766	39.569047843494214	-100.4508616	375374.83862175495	4380932.76033536	2751.97442	2625.676284	2578.66230476596	2578.83207406773	48.41166391250408	48.2564683427713
713	287	21273	98978.8586730335	981157.3170250766	39.5690417017092	-100.4484921	375575.787037075	4380928.20237579	2749.249924725981	2624.72772898147	2576.912739864723	2577.02739864723	49.817270884963	49.817270884963
714	287	21274	99638.8586730335	981157.3170250766	39.569034173025874	-100.446011	375776.783703705	4380924.50237579	2748.249924725981	2623.7672371199	2589.9051292402	2602.1737764663	42.846249469199	42.846249469199
715	287</													

ix	iy	ix.X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatTbthLogKgr.ft	SatTbthBoth.ft		
57	28	12437	-333981.1413	19.81817	31.70250766	39.56557495831846	-10.98349255	243707.15493989474	4383794.441752918	3779.6560431053294	3561.9038821005843	3497.3314472699203	3496.6496189181452	64.5724343063695	65.25426229243903
58	28	12438	-333321.1413	19.81817	31.70250766	39.56559383019122	-10.981086	243908.24861878966	4383790.307948293	3779.64733387013	3560.951889490956	3496.168323	3497.5832061397953	64.7866661392547	63.36826369302463
59	28	12439	-332661.1413	19.81817	31.70250766	39.56562066737267	-10.9782469	244109.342442298	4383793.14265614	3779.64781426906	3553.82655074247	3498.0810073	3498.5119864979585	64.8121201992005	60.68760384939428
60	28	12440	-332001.1413	19.81817	31.70250766	39.56564336362635	-10.974607	244310.4352160008	4383782.014004878	3779.64120403892	3560.42256448576	3494.2256448576	3494.6796834570296	64.8496363243059	64.6965449117693
61	28	12441	-331341.1413	19.81817	31.70250766	39.565666608176304	-10.9740675	244511.5281356705	4383777.907666073	3775.323448	3558.1457193784736	3493.476078	3492.22229001364	64.6696412733157	65.32149038
62	28	12442	-330681.1413	19.81817	31.70250766	39.56568487616906	-10.9717278	244712.0088018834	4383773.774491914	3774.5855752366072	3557.210596753243	3492.927069108495	3490.3107655023427	64.2490957	66.90129417298158
63	28	12443	-330021.1413	19.81817	31.70250766	39.565671317218493	-10.9693885	244913.7213556866	4383769.642525233	3773.35277838309	3556.245588038713	3492.616413126882	3481.5553753566714	63.62914491102492	74.69018268204217
64	28	12444	-329361.1413	19.81817	31.70250766	39.56573392640936	-10.967409	245114.8053267682	4383765.509781187	3771.638547565852	3554.2023895943	3491.75062482846	3468.312534359577	63.8157454030973	68.81937035
65	28	12445	-328701.1413	19.81817	31.70250766	39.56576206737267	-10.9647958	245315.8972857287	4383761.377530046	3769.819831129906	3553.82655074247	3498.0810073	3498.5119864979585	64.8121201992005	60.68760384939428
66	28	12446	-328041.1413	19.81817	31.70250766	39.56577891283564	-10.96237	245516.9890420044	4383757.254500981	3768.20171052097	3552.0275138579768	3484.9126946694913	3469.105781967023	63.82173190950578	82.92173190950578
67	28	12447	-327381.1413	19.81817	31.70250766	39.56580141383324	-10.9603005	245718.0803481318	4383753.11393446	3766.27711816045	3550.3201971330514	3481.00867024228	3461.7532245546	63.31158961	81.18843389049673
68	28	12448	-326721.1413	19.81817	31.70250766	39.56582381391255	-10.957891	245919.1759176066	4383748.982107976	3764.147953104255	3548.014496601307	3477.3181603139597	3468.531127950642	63.2832929217105	80.07032165518976
69	28	12449	-326061.1413	19.81817	31.70250766	39.56584616365758	-10.9553515	246120.2624039438	4383744.850734485	3762.01875495445	3546.881874512694	3473.925771274503	3462.95541032651909	79.2839017	
70	28	12450	-325401.1413	19.81817	31.70250766	39.56586840732106	-10.953012	246321.3530550242	4383740.798626059	3759.889529906347	3545.1636746084955	3470.92995490085	3466.348740694955	74.23272151057447	78.8153962070201
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73	28	12453	-323421.1413	19.81817	31.70250766	39.565935120804816	-10.9459035	246924.6235012818	4383728.327508635	3751.6751067971204	3540.4028269816407	3465.1763643304482	3463.3095496023963	74.88646244759247	76.7328705
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75	28	12455	-322101.1413	19.81817	31.70250766	39.565973928238015	-10.9413145	247326.8026805665	4383720.062719783	3744.920700157918	3536.662333917066	3463.4472970808473	3462.7004712486176	73.21836183621872	73.9548726644839
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79	28	12459	-319461.1413	19.81817	31.70250766	39.56606736821684	-10.9319564	248135.1574544465	4383703.678994252	3738.02912818675	3529.819842755826	3454.1247765164	3452.811904709384	73.198449241867	73.198449241867
80	28	12460	-318801.1413	19.81817	31.70250766	39.5660890553255	-10.9296169	248332.25495551	4383699.420384628	3736.222627	3528.38272941171	3452.382776621295	3452.21855054823	73.5759247904152	76.13972242
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86	28	12466	-314841.1413	19.81817	31.70250766	39.5662193778227	-10.9155797	249538.76987573	4383745.61901478	3728.039921074152	3519.6340688181	3439.435628911684	3439.435628911684	76.33994619246	78.6396327
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93	28	12473	-310221.1413	19.81817	31.70250766	39.56636950403538	-10.899203	250946.765756586	4383645.65656562	3716.60455814402	3507.8005413022393	3420.0436777911272	3420.70363	87.75696351106551	87.0988921627944
94	28	12474	-309561.1413	19.81817	31.70250766	39.566390289512	-10.8968635	251147.45396000393	4383641.63144569	3712.3716623612905	3506.2690467523303	3417.289130063548	3418.319662471058	87.89919169	87.94538464775305
95	28	12475	-308901.1413	19.81817	31.70250766	39.5664114601205	-10.8945239	251348.538398403	4383637.513144269	3720.2093409668	3504.7437630696786	3414.879416238011	3416.09691402624	88.939683166772	88.73409167
96	28	12476	-308241.1413	19.81817	31.70250766	39.5664352223616	-10.8921844	251549.6225909718	4383633.762681474	3720.036631026561	3503.224893495664	3412.562858103465	3413.78530732776	90.662035353089	90.4933563
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98	28	12478	-306921.1413	19.81817	31.70250766	39.5664747208596	-10.8875035	251961.7936393717	4383625.137882431	3727.69184403082	3500.207215943273	3408.03712315394	3409.435628911684	91.1699037188769	90.7717875
99	28	12479	-306261.1413	19.81817	31.70250766	39.566496127360974	-10.885168	252172.889190974	4383621.07984586	3726.5791305078	3500.207215943273	3408.03712315394	3409.435628911684	92.007408266396	92.007408266396
100	28	12480	-305601.1413	19.81817	31.70250766	39.56651667	-10.8828262	252353.9560969848	4383616.920693828	3725.90226093968	3500.207215943273	3408.03712315394	3409.435628		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatHtBothKrg.	SatHtBothKrg.
183	288	212563	-250821.1413	981817.3170250766	39.56808080093854	-101.6886394	469043.02991706796	4383275.327867489	3578.8455425634234	3401.008326617854	3265.4504469602016	3265.5190921819876	135.5778796576524	138.48923443986636
184	288	212564	-250916.1413	981817.3170250766	39.5681125504843	-101.6862997	469244.0532837557	4383271.21971545	3577.5707406239913	3400.2517811566806	3263.99433413486534	3264.044226777998	136.2014564388108	138.48923443986636
185	288	212565	-249501.1413	981817.3170250766	39.56811234	-101.6863601	469445.15442924575	4383267.1162969415	3578.05666664559	3395.103867152453	3255.43686398451307	3255.4452381475	136.833324216092	138.48923443986636
186	288	212566	-248841.1413	981817.3170250766	39.56814941	-101.6812004	469646.2193347186	4383263.010847475	3575.021028745145	3396.772335923534	3241.61688155331	3261.310320777976	137.355454100185	137.45931157797124
187	288	212567	-248181.1413	981817.3170250766	39.56816642873532	-101.6792808	469847.2820197135	4383258.059069875	3574.16585824144	3398.0411248845478	3260.201415417952	3260.5330432840902	137.83972746659387	137.870208064575
188	288	212568	-247521.1413	981817.3170250766	39.5681307531	-101.6769411	470048.3447768197	4383254.800580914	3573.7303163134233	3391.312704402824	3259.0194604766865	3259.3650360374666	137.95071013281586	137.95071013281586
189	288	212569	-246861.1413	981817.3170250766	39.56820031387886	-101.6746015	470249.4067080872	4383250.69807153	3573.284854005442	3396.580135669907	3257.750192260724	3258.5939379	138.8302513067264	137.9867347804048
190	288	212570	-246201.1413	981817.3170250766	39.56821171566226	-101.6722818	470450.487183335	4383247.59132387	3572.893516974406	3395.84615305584	3256.561796802474	3257.4543761473333	138.234562615658	138.391776918915
191	288	212571	-245541.1413	981817.3170250766	39.5682346520728	-101.6699221	470651.530642475	4383242.468884105	3572.195642475796	3395.103867152453	3255.43686398451307	3255.4452381475	138.6648678610438	138.48923443986636
192	288	212572	-244881.1413	981817.3170250766	39.56825067621575	-101.6675263	470852.500449748	4383238.382760512	3570.30735400544	3394.34913596404	3254.3379021543674	3254.83796726341	139.011238096747	139.011238096747
193	288	212573	-244221.1413	981817.3170250766	39.56826759581028	-101.6652428	471053.6534	4383234.7283584	3570.1810202611	3393.573736304302	3253.17682026834	3253.426033906	140.406813701919	140.1527600908112
194	288	212574	-243561.1413	981817.3170250766	39.568284298002025	-101.6629032	471254.714472754	4383230.175167623	3569.51984069188	3392.73839897651	3252.03335384369	3251.745542509732	140.7504861	141.038297479277
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196	288	212576	-242241.1413	981817.3170250766	39.56831756919632	-101.6582238	471656.8398988191	4383221.98445559	3567.21568004258	3391.11022272807	3249.632423445742	3249.01229409402	141.6981793876398	141.6981793876398
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199	288	212579	-240261.1413	981817.3170250766	39.56836713581438	-101.6512408	472260.016600870	4383209.6600520145	3550.350654717153	3388.274577584633	3246.2948719106546	3241.5646546710454	142.9527987397847	141.7612803135876
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202	288	212582	-238281.1413	981817.3170250766	39.568412655670794	-101.6441858	472863.1952831547	4383197.353631705	3547.3847233811718	3384.790923255349	3243.2070537282366	3231.89954369495106	141.7638602711255	141.7638602711255
203	288	212583	-237621.1413	981817.3170250766	39.568432991893504	-101.6418462	473064.2556278566	4383185.291304804	3550.078474	3383.763779295366	3242.103775749308	3241.757939924503	141.6601023546569	141.6601023546569
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208	288	212588	-234321.1413	981817.3170250766	39.56851339055525	-101.6301478	474069.54641144176	4383172.74671978	3558.731740211863	3377.0846912732577	3232.218640317736	3232.863197197619	141.8660426148414	141.8660426148414
209	288	212589	-233661.1413	981817.3170250766	39.56852942009739	-101.6278081	474270.0641521757	4383168.64386782	3551.57819227102	3375.657283376683	3230.295618061207	3230.5016577862807	143.6073529793849	143.6073529793849
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211	288	212591	-232341.1413	981817.3170250766	39.56856193459035	-101.6231288	474672.719884519	4383160.44635414	3548.103867152453	3373.0846912732577	3227.8654821237527	3231.6902312656633	143.284354437733	142.4894818
212	288	212592	-231681.1413	981817.3170250766	39.56857772204133	-101.6207891	474873.7766037427	4383156.5469426	3538.172601642837	3371.178203444626	3226.052643816995	3226.052643816995	143.284354437733	142.4894818
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221	288	212601	-225741.1413	981817.3170250766	39.56871819523149	-101.5997319	476683.279764489	4383119.54914708	3514.55627415846	3356.816709029226	3212.9790290255635	3212.9790290255635	144.7245339233486	141.7431890551845
222	288	212602	-225081.1413	981817.3170250766	39.56873363271106	-101.5973922	476884.336614251	4383115.16316995	3513.404190237191	3355.132443249972	3211.74220141275	3211.74220141275	144.7245339233486	141.7431890551845
223	288	212603	-224421.1413	981817.3170250766	39.56874904939395	-101.5950525	477085.389374206	4383111.264358426	3515.904174488496	3353.41707956256	3210.333291038173	3208.363732732274	145.077388524393	145.077388524393
224	288	212604	-223761.1413	981817.3170250766	39.56876437207821	-101.5927129	477286.4470652194	4383107.16727999	3514.178956780458	3351.712861245488	3208.83968976027	3206.319284794133	145.187624155232	145.39352377006466
225	288	212605	-223101.1413	981817.3170250766	39.56877967390768	-101.590431	477487.51468103	4383103.3085103	3512.748598770886	3349.748598770886	3207.5232147203674	3207.5232147203674	145.39352377006466	145.39352377006466
226	288	212606	-222441.1413	981817.3170250766	39.56879403550526	-101.5880335	477688.5104062276	4383098.974	3510.748598770886	3348.23430447627	3206.05501209534	32		

ix	iy	X	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WLn	BRIEvLogsKrg	BRIEvBothKrg	SatHtLogs	SatHtBoth
298	212689	-167661.1413	1981817.3170250766	39.569903675092654	-101.393837	294375.28999266936	4382759.723135021	312.0230038412587	309.4011121188226	310.9160145965661	310.50624319468432	100.75120931672518	
310	212690	-167001.1403	1981817.3170250766	39.56991514	-101.391496	294576.52631778959	4382756.455	314.122113404668	320.5323695391027	310.7255236569922	310.6107481426896	101.26845882110501	100.75120578307375
311	212691	-166281.1413	1981817.3170250766	39.5699169677	-101.389156	294777.36341426427	4382751.56714304	307.1696381798675	310.572416279293	310.5364610139835	310.7966219239381	101.2684219239381	100.75120578307375
312	212692	-165681.1413	1981817.3170250766	39.569937919530936	-101.3868164	294978.38636360683	4382747.48947837	311.404765834532	320.5488217816716	310.434853577216	310.6027094186843	101.26840423296036	100.75120578307375
313	212693	-165021.1413	1981817.3170250766	39.56994692	-101.3844767	295179.434084725	4382743.41022323	308.953423543034	320.4561734570634	310.7518023738053	310.310321978	102.8099322012581	101.268476629087319
314	212694	-164361.1413	1981817.3170250766	39.5699502315836	-101.3821389	295380.4696049205	4382740.81806264	305.502273032077	310.304671009383	310.426732662888	308.584260	104.720453446528	101.268476629087319
315	212695	-163701.1413	1981817.3170250766	39.56997175717258	-101.3797971	295581.5049240041	4382735.25870105	304.81850623129	320.0273031518292	309.9340903	309.620950656817	102.7326061822916	102.52634168272156
316	212696	-163041.1403	1981817.3170250766	39.56999245597172	-101.3774574	295822.5400433687	4382731.10151593	304.61689961062	308.610842300057	309.610842300057	309.3822971239354	102.75210269669228	101.87949276725251
317	212697	-162381.1413	1981817.3170250766	39.56999496619184	-101.3751176	295963.574662033	4382727.04450957	304.968221630795	310.5926207496351	309.638286255257	309.7917516257002	102.0227867878844	101.87949276725251
318	212698	-161721.1413	1981817.3170250766	39.57000518801701	-101.3732778	296164.6056030913	4382723.02810411	304.626893503298	310.485652746821	309.545562746821	309.447179556332	101.92271345015797	101.32267637304694
319	212699	-161061.1403	1981817.3170250766	39.5700162123232	-101.370488	296365.5449196271	4382718.95197128	304.7291820178957	310.372527526933	309.51813512517376	308.93876	102.0920112519525	101.4387722293327
320	212700	-160401.1413	1981817.3170250766	39.57002724924786	-101.3680983	296566.6785	4382714.87067939	304.919292962898	310.486323425735	309.902198148553	308.8337721314	102.18103610914977	100.44440253642097
321	212701	-159741.1413	1981817.3170250766	39.57003821206358	-101.3657585	296787.7126377034	4382710.80083818	3397.309416	3194.886442677683	309.510684239818	308.405324735811357	102.48112145363201	100.48112145363201
322	212702	-159081.1413	1981817.3170250766	39.57004913	-101.3634187	296988.746	4382706.744926713	3395.599352729012	310.838399830172	309.91010264663754	308.62915454284426	102.67373371471469	110.09249259264927
323	212703	-158421.1413	1981817.3170250766	39.5700600209558	-101.3610789	297189.78027916915	4382702.62966710613	3393.35069	3192.474374930206	308.9264661988446	308.72043740712596	102.61033129125999	101.09249259264927
324	212704	-157761.1413	1981817.3170250766	39.57007083	-101.3587392	297390.81380147033	4382698.574651473	3390.562793053046	3191.2563074370345	308.752510536834	307.618930260794	101.50379174833116	110.05727148224036
325	212705	-157101.1413	1981817.3170250766	39.570081611328106	-101.3563994	297591.8471251129	4382690.45894837	310.7276988411	309.920985656046	308.4309981855745	307.6268830403146	105.0980237103018	102.40244971629007
326	212706	-156441.1413	1981817.3170250766	39.57009234814453	-101.3540596	297792.8802505057	4382684.4260511	3384.987050232357	318.79614136119	308.363071165046	306.8173166545704	105.42054297107026	101.02268848136864
327	212707	-155781.1413	1981817.3170250766	39.5701030976104	-101.3517198	297993.931772541	4382682.358094045	3382.36212359698	318.546080853259	308.51593890521	306.6547339	106.030419473481	122.97174212485879
328	212708	-155121.1413	1981817.3170250766	39.57011368617785	-101.3493801	298194.9450616244	4382686.72674859	3387.9001204049247	318.672689072216	308.7651168897556	306.670235390383	106.030419473481	122.97174212485879
329	212709	-154461.1413	1981817.3170250766	39.57012427394194	-101.3470403	298395.97843738153	4382678.202282699	3377.438115248563	318.517265408056	308.439159320967	307.4381249737605	105.051626805376	129.155105504748
330	212710	-153801.1413	1981817.3170250766	39.57013484341079	-101.3447005	298597.017068434	4382674.191671271	3374.971140328563	318.50955070223	307.158002	305.35172719194424	105.051626805376	129.155105504748
331	212711	-153141.1413	1981817.3170250766	39.5701454225257	-101.342384	298798.055829645	4382670.055829645	3369.45136817857	318.4451166135941	307.4451166135941	305.35172719194424	105.051626805376	129.155105504748
332	212712	-152481.1413	1981817.3170250766	39.5701551964912	-101.3400209	298999.074945448	4382665.98262455	3371.2348110226914	318.315929477562	307.2486736304311	304.002108	105.2890513544537	137.1337608911603
333	212713	-151821.1413	1981817.3170250766	39.57016624056514	-101.3376812	299200.106872465	4382661.9093167175	3368.561128126894	317.9187168790733	307.3821540708768	304.008101279584	137.1337608911603	137.1337608911603
334	212714	-151161.1413	1981817.3170250766	39.57017661548207	-101.3353414	299401.13822324414	4382657.83489768	3367.8775080172	317.784800974096	307.163118354637	304.0644355314381	137.1337608911603	137.1337608911603
335	212715	-150501.1413	1981817.3170250766	39.57018694549835	-101.3330016	299602.16968063655	4382653.76838266	3365.96867085276	317.67119268663	306.95173374853	304.0873293731484	137.1337608911603	137.1337608911603
336	212716	-149841.1413	1981817.3170250766	39.57019720336408	-101.3306816	299803.2073256408	4382649.691496614	3363.804136436306	317.5777090284977	306.8439159320967	305.359210011589	107.33709309634157	123.37807926290861
337	212717	-149181.1413	1981817.3170250766	39.570207746993072	-101.3283822	300004.231694565	4382645.78235684	3361.63841942335	317.4740443434645	306.7138907701996	305.2684174164524	107.33709309634157	123.37807926290861
338	212718	-148521.1413	1981817.3170250766	39.57021786349963	-101.3259822	300205.264248293	4382641.72828865	3359.47478250895	317.3731091913459	306.5915353262623	305.2684174164524	107.33709309634157	123.37807926290861
339	212719	-147861.1413	1981817.3170250766	39.57022871356248	-101.3236424	300406.2930123533	4382637.476559792	3357.1435695469	317.264330053873	306.4953727466894	305.05594671042037	107.33709309634157	123.37807926290861
340	212720	-147201.1413	1981817.3170250766	39.57023791757808	-101.3213207	300607.323800453	4382633.40148532	3354.65452952686	317.2018371436751	306.415777008993	305.05353276614635	107.33709309634157	123.37807926290861
341	212721	-146541.1413	1981817.3170250766	39.57024797693949	-101.3189629	300808.3535353947	4382629.33261104	3352.14795347214	316.8038452484814	306.3286670534112	305.5518700444122	107.33709309634157	123.37807926290861
342	212722	-145881.1413	1981817.3170250766	39.57025799000866	-101.3166231	301009.383319451	4382625.261794392	3350.650147847261	316.637307281615	306.21648206732766	305.4681058356047	107.33709309634157	123.37807926290861
343	212723	-145221.1413	1981817.3170250766	39.57026795842398	-101.3142633	301210.43143637	4382621.19049589	3347.684852777892	316.5596765030434	306.1596570340434	305.4681058356047	107.33709309634157	123.37807926290861
344	212724	-144561.1413	1981817.3170250766	39.57027788163798	-101.311945	301411.442902384	4382617.12	3346.251091528077	316.454333817857	306.1596570340434	305.4681058356047	107.33709309634157	123.37807926290861
345	212725	-143901.1413	1981817.3170250766	39.57028775956264	-101.3096337	301619.6726232804	4382613.95305743	3343.915191827527	316.35028526526	305.0882315888147	305.232162619507	107.33709309634157	123.37807926290861
346	212726	-143241.1413	1981817.3170250766	39.5702975945673	-101.3076239	301813.50149637205	4382608.97971053	3343.3863140728446	316.1681683479224	305.856749790735	305.132465309885	107.33709309634157	123.37807926290861
347	212727	-142581.1413	1981817.3170250766	39.57030738	-101.3049241	302014.5305	4382604.990752463	3342.125784174514	316.207491175589	305.551886053185	305.04202888628	107.33709309634157	123.37807926290861
348	212728	-141921.1413	1981817.3170250766	39.57031712249394	-101.3025843	302215.55931292926	4382600.84003607	3341.037602244164	315.8565627826271	305.4127711707616	305.479608291422	107.33709309634157	123.37807926290861
349	212729	-141261.1413	1981817.3170250766	39.57032682	-101.3002445	302416.5879306206	4382596.770474514	3339.94936454554	315.7473934249424	305.26184410113	304.8563428242205	107.33709309634157	123.37807926290861
350	212730	-140601.1413	1981817.3170250766	39.57033647	-101.2979048	302617.6161	4382592.901165178	3338.86121044896	315.611426860051	305.1244969169583	304.7705917719627	107.33709309634157	123.37807926290861
351	212731	-140041.1413	1981817.3170250766	39.5703466379196	-101.295613	302819.676232804	4382588.55474768	3337.784524574768	315.4681058356047	305.0882315888147	304.7705917719627	107.33709309634157	123.37807926290861
352	212732	-139381.1413	1981817.3170250766	39.57035564014389	-101.2932252	303019.676232804	4382584.95305743	3336.915191827527	315.340723150533	304.712375611437	304.7705917719627	107.33709309634157	123.37807926290861
353	212733	-138821.1413	1981817.3170250766	39.5703651565535	-101.2908854	303220.7048811027	4382580.4496816984	3335.81586166984	315.2181341258095	304.61959484834	304.838908016473	107.33709309634157	123.37807926290861
354	212734	-137961.1413	1981817.3										

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfEllm	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	BRRElevKgr.f	BRRElevKgr.f	BRRElevKgr.f	BRRElevKgr.f
436	28	212815	-84501.14133		981817.3170250766	35.709918635294	-101.0990204	319704.34714036534	432247.612221299	314.51133899405	351.5656620490568	2975.467950395613	2966.583712785607	76.09806700949548	58.0269426		
436	28	212816	-83841.14133		981817.3170250766	35.709744837292	-101.099008	319905.3966954827	432243.562	317.3539951295417	3050.133501596719	2973.637154618529	2967.631254635343	76.40963468	83.5012454318498		
437	28	212817	-83181.14133		981817.3170250766	35.71033167891256	-101.0984007	320106.3730991286	432233.51156082	316.7046754816762	3168.50596168882	2985.204418756824	2967.513693691374	77.13076305	82.672265768366		
437	28	212818	-82521.14133		981817.3170250766	35.7070084220791	-101.0920008	3200.4847203067	432235.461557265	315.049447728153	3047.29118265477	2969.179373168474	2964.916206585284	76.4993450927322	82.3629124		
438	28	212819	-81861.14133		981817.3170250766	35.7071441322876	-101.089661	320508.396296291	432231.412	315.7521054868756	3045.857727092366	2967.081474118773	2963.6024392757195	78.77625297359373	82.2536973357118		
440	28	212820	-81201.14133		981817.3170250766	35.7072005523615	-101.0873212	3207.0943814728024	432232.362207999	314.8178265	3044.44144204129	2964.538763847803	2962.307324737824	79.9025678034851	82.4004984034642		
441	28	212821	-80541.14133		981817.3170250766	35.7072559394767	-101.0848913	3209.10419823502	432223.312684413	314.8378193798404	3043.0368173823002	2961.9356204014543	2960.388112727466	81.10096988	82.6481756095362		
442	28	212822	-79891.14133		981817.3170250766	35.70710374657506	-101.0826415	3211.11143321397	432230.367738032	314.83442937910428	3041.641867755923	2969.5604207635783	2967.735973193818	82.08126701	83.9064606167433		
443	28	212823	-79221.14133		981817.3170250766	35.707169359562	-101.0803107	321512.4462505101	432222.581768354	313.850596198832	3040.2807118959	2967.301674118959	2965.844422156374	82.3550446994109	84.2360570168797		
444	28	212824	-78561.14133		981817.3170250766	35.7071593871954	-101.077818	321513.458055101	432217.16612424	313.588767850553	3038.980753342276	2955.2493771571	2954.15003325463	83.655815696667	84.7307200077466		
445	28	212825	-77901.14133		981817.3170250766	35.707429677658	-101.075622	3217.146478465316	432207.71627859	314.60719397712796	3037.51280716305	2962.5037765207506	2962.5037765207506	84.2050306	84.9620266563346		
446	28	212826	-77241.14133		981817.3170250766	35.707526094794	-101.0732821	3219.15475950042	432203.06424288	314.755111687502	3036.15147112015	2961.57699583145	2960.5925119810723	84.6759435067013	85.15623513094281		
447	28	212827	-76581.14133		981817.3170250766	35.7075787698049	-101.0709423	3221.1648622188414	432201.032139061	314.70420473897815	3034.795348211216	2960.0126513700525	2959.5905212456278	84.78269244212333	85.2048656546805		
448	28	212828	-75921.14133		981817.3170250766	35.7076303092797	-101.068025	3223.174967	432194.193578451	314.61519226876055	3032.422526485065	2948.757069610521	2948.757069610521	84.68518325	85.0194532665266		
448	28	212829	-75261.14133		981817.3170250766	35.707682377727	-101.0662626	3225.185096574716	432190.923984892	314.53442937910428	3032.089287099386	2947.598598345353	2947.598598345353	84.68518325	85.0194532665266		
450	28	212830	-74601.14133		981817.3170250766	35.70717406272945	-101.0633228	3227.7191517078197	432185.7878610723	315.21402654654647	3030.7218597948	2947.0148197490557	2947.278961653314	83.7133533	83.44918991451764		
451	28	212831	-73941.14133		981817.3170250766	35.7077849456681	-101.061829	3229.5201707188745	432182.813454586	315.4039397697613	3029.346871	2946.38818163327	2947.485326035192	83.26668941629332	81.85954506		
452	28	212832	-73281.14133		981817.3170250766	35.707536435588	-101.0592431	3231.2153675075	432178.78451784	315.264630795994	3027.966921738037	2945.822446363857	2946.205378362265	84.146771065127	79.76034336981047		
453	28	212833	-72621.14133		981817.3170250766	35.70788853274906	-101.0569033	3233.2245637895246	432173.73779979	315.0686967594227	3026.562135291264	2945.126149838033	2949.481645484282	83.435985339388	83.4849890679632		
454	28	212834	-71961.14133		981817.3170250766	35.707304383347	-101.0545634	3235.235580271206	432170.69130109	315.8751043922603	3025.138746	2943.963502983038	2951.275757918748	81.17523718422117	73.8628854872808		
455	28	212835	-71301.14133		981817.3170250766	35.70750839723886	-101.0522236	3237.234560535875	432166.645021002	315.99856746222	3023.696114319828	2942.019681264203	2953.6592816777133	83.47634305554793	70.0368255		
456	28	212836	-70641.14133		981817.3170250766	35.7071032054006	-101.049837	3239.52154373584	432162.586989584	315.995758516211	3022.233031152767	2942.7159884117	2942.7159884117	83.0590423	63.65689831804925		
457	28	212837	-69981.14133		981817.3170250766	35.7071685537543	-101.0471259	3241.7693842027	432158.854945914754	315.8954945914754	3021.81510874452	2942.81510874452	2942.81510874452	83.0590423	63.65689831804925		
458	28	212838	-69321.14133		981817.3170250766	35.707112836172325	-101.045204	3243.5719778346	432154.5047841935	314.629155507803	3019.2505780051083	2930.49205257803	2945.122893266256	85.78756743	74.1278479842873		
459	28	212839	-68661.14133		981817.3170250766	35.70711756123688	-101.0428642	3245.528604420757	432150.46207859	314.07717160148833	3017.731073102577	2926.062362348455	2936.949133822043	81.6687701737133	80.78191052		
460	28	212840	-68001.14133		981817.3170250766	35.707122241130794	-101.0405244	3247.29608365169	432146.41690191	313.2421187757262	3016.194424697058	2922.346672006733	2930.5810198179115	83.8477484963461	85.6134048		
461	28	212841	-67341.14133		981817.3170250766	35.7071287850598	-101.0381845	3249.301760702934	432142.341931372	313.212659139624	3014.645108626592	2919.598532268617	2925.649838929925	83.9478335793274	88.9951649352052		
462	28	212842	-66681.14133		981817.3170250766	35.7071314652796	-101.0358447	3251.316251136089	432138.3821781798	313.2831370207019	3013.068812	2918.007771649123	2922.51634558171	85.0790398594718	90.57406592675852		
463	28	212843	-66021.14133		981817.3170250766	35.7071368095562	-101.0335046	3253.3296969674	432134.362589582	313.35816820382	3011.526868140378	2917.3268140378	2922.7388140378	84.257454879661	90.7486989695205		
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465	28	212845	-64701.14133		981817.3170250766	35.7071446248751	-101.0288251	3257.34455284405	432126.145226256	313.204759748374	3008.3682559259382	2918.015463437593	2920.56007298646	85.012428835421	87.79175519607361		
466	28	212846	-64041.14133		981817.3170250766	35.70714937115304	-101.0264853	3259.3556263708	432122.1503831	313.5632889534793	3006.782478956207	2918.186678759346	2921.0556477156906	87.6000890196604	85.7262817799306		
467	28	212847	-63381.14133		981817.3170250766	35.70715373461657	-101.0241454	3261.3662630483	432118.176926825	313.75034630667	3005.191436	2920.173166160439	2921.621553011065	85.01827018411086	83.5968382284476		
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469	28	212849	-62061.14133		981817.3170250766	35.70716225957808	-101.0194657	3265.387637511777	432110.02018798	313.787428819807	3002.005203602049	2922.028240110321	2922.7173501124826	79.9799504	79.2878803371963		
470	28	212850	-61401.14133		981817.3170250766	35.7071665537543	-101.0171259	3267.39842027	432106.97700846	313.8054945914754	3000.949205628774	2920.267318717177	2922.51634558171	85.0790398594718	89.6807194		
471	28	212851	-60741.14133		981817.3170250766	35.7071703645107	-101.0147861	3269.408695662525	432102.93401861	311.4177069734864	2998.843123098163	2919.542634341624	2922.692401816816	75.34504748	75.10572029		
472	28	212852	-60081.14133		981817.3170250766	35.707174871	-101.0124462	3271.41693166441	432097.991741832	313.90080201869	2997.272684	2923.629813676226	2917.601036213213	74.625027701724	73.51165150512679		
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474	28	212854	-58761.14133		981817.3170250766	35.7071830130597	-101.0077665	3275.43708532704	432089.087278016	313.7348261375678	2994.1532649316887	2922.076601580507	2922.7388140378	70.066333109798	71.68940820719798		
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476	28	212856	-57441.14133		981817.3170250766	35.70719071699124	-101.0033068	3279.4520767824	432081.723891926	313.4830965741784	2991.636205322199	2921.572179730451	2921.572179730451	71.1659090327533	89.8060625921384		
477	28	212857	-56781.14133		981817.3170250766	35.7071948394312	-101.001165	3281.469342027	432077.923891926	313.4830965741784	2991.636205322199	2921.572179730451	2921.572179730451	71.1659090327533	89.8060625921384		
478																	

ix	iy	x	y	Xrft	Yrft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt	BRElevLogKrg.f	BRElevBothKrg.f	SatthKlog.f	SatthBoth.f
561	281	21941	-1.341	141327	981817	3170250766	36.57136207	-100.8041991	345030.6130911515	3417138.78990831	2975.5263564720485	2796.470165403615	2796.443548132628	29.33654055192437	48.36315692
562	281	21942	-481	1413269	981817	3170250766	36.57136214176252	-100.8018958	345231.6053711873	341734.956084232	2970.0749343258438	2843.669573625877	2793.761577869538	2794.3561360924249	49.50206576358996
563	281	21943	-1.341	1413268	981817	3170250766	36.571362158361644	-100.7986194	345638.5452797519	3417606.801840891	2980.76715963466513	2842.735849849815	2796.1233003818178	2793.338943134787	50.4530091072386
564	281	21944	638.858673033514	981817	3170250766	36.57136214463737	-100.7971795	-100.7971795	345833.5887080459	341726.910204959	2974.520494491414	2791.746076697354	2791.6954768191496	49.711775205978	48.8261635206427
565	281	21945	1298.858673033514	981817	3170250766	36.57136208322764	-100.7948396	345834.5803862054	341722.886672275	2980.438898161526	2840.511261669305	2790.048120764895	2789.944303299873	50.40314090444204	50.566983639327
566	281	21946	1528.858673033514	981817	3170250766	36.5713619667455	-100.7924998	346035.5718265275	341718.866637452	2980.274781675354	2840.532157905184	2787.8510665175017	2787.7841474146933	51.6814927753605	51.6743783102014
567	281	21947	2618.858673033514	981817	3170250766	36.5713618100441	-100.7901599	346236.5631261904	341714.84420759	2979.28089117026	2838.597385024556	2786.8358899326153	2786.1030560519754	51.76149546990928	52.4934850051575
568	281	21948	3278.858673033514	981817	3170250766	36.571361861	-100.7878201	346437.55427719746	341710.832219145	2977.45732727685	2837.693026	2785.254576962054	2783.96319008227	52.43862944634444	53.8301195864622
569	281	21949	3838.858673033514	981817	3170250766	36.57136176581684	-100.7854862	346638.5452797519	341706.801840891	2980.76715963466513	2842.735849849815	2796.1233003818178	2793.338943134787	50.4530091072386	51.6743783102014
570	281	21950	4538.858673033514	981817	3170250766	36.5713616039134	-100.7831403	346839.5361400515	341702.78067799	2973.810019510253	2835.96518300857	2782.191593	2774.432036631163	51.7773505693388	51.5374766953898
571	281	21951	5258.858673033514	981817	3170250766	36.57136073093931	-100.7808005	-100.7808005	347004.5268043238	341698.759732913	2970.896513019523	2835.145640129852	2780.713315154465	2773.865476531752	54.2824497538694
572	281	21952	5918.858673033514	981817	3170250766	36.57136034167126	-100.7784066	347241.5173987620	341684.739064317	2966.89405451607	2834.34571598221	2774.258572	2774.258572226365	51.087435250143	58.1190576963453
573	281	21953	6578.858673033514	981817	3170250766	36.57135992019255	-100.7761208	347442.5070895682	341670.71496441	2962.903547851261	2833.5655954010267	2777.64535939203624	2776.202645312987	55.9200548066436	57.326918803797
574	281	21954	7238.858673033514	981817	3170250766	36.5713594401564	-100.7737809	347643.48907294965	341666.698	2958.901061020916	2832.799484092471	2776.128704748203	2775.1794290228485	57.60519360878675	57.60519360878675
575	281	21955	7898.858673033514	981817	3170250766	36.571358971351	-100.771441	347844.488191134	341662.678131511	2956.220518939087	2832.0393686267	2774.5327101664197	2773.9719867192124	57.50688916222706	58.06753165443456
576	281	21956	8558.858673033514	981817	3170250766	36.57135845654685	-100.7691012	348045.4781582046	341676.650273584	2951.82153062714	2831.27408346939	2772.96586449024	2772.551764919449	58.30882189710469	58.7224542748986
577	281	21957	9218.858673033514	981817	3170250766	36.57135775627067	-100.7667613	348246.4679806103	341670.8368305	2948.43902117462	2942.685907487	2771.361397246572	2771.361397246572	59.131288954791	59.5053092073104
578	281	21958	9878.858673033514	981817	3170250766	36.571357102284296	-100.7642215	348447.4567653406	341674.91821805	2945.04830717849	2929.681415769305	2769.514129854157	2769.239466371028	60.174919177343	60.44191712882774
579	281	21959	10538.858673033514	981817	3170250766	36.57135634095564	-100.7620816	348648.44718570355	341666.6	2941.09321668529	2828.829031488445	2767.382244543364	2767.382244543364	61.43866149050884	61.6347664040859
580	281	21960	11198.858673033514	981817	3170250766	36.571355658704476	-100.7597417	348849.4368568804	341662.681031728	2937.923874424575	2764.823934765943	2764.691845981865	2764.691845981865	63.154256483164	63.274528357209
581	281	21961	11858.858673033514	981817	3170250766	36.5713548691102	-100.7574019	349050.4268903526	341662.652625726	2932.04612312326	2826.98306748181	2761.93986715425	2761.93986715425	65.079679593913	65.14744766
582	281	21962	12518.858673033514	981817	3170250766	36.57135403431522	-100.755062	349251.41489743494	341654.53716644	2927.520972875896	2820.003898458	2758.71462092172	2758.714777391398	67.2657686541282	67.2526717444566
583	281	21963	13168.858673033514	981817	3170250766	36.57135326957821	-100.7526813	349453.368291918	341646.525	2923.28968729893	2816.8386410167	2754.8427846293	2754.8427846293	68.845891	68.845891
584	281	21964	13838.858673033514	981817	3170250766	36.57135229116556	-100.7503283	349653.3926437188	341646.507227791	2921.8603461041	2823.96716061626	2753.23963071663	2753.055307841646	70.7183073434963	70.7183073434963
585	281	21965	14498.858673033514	981817	3170250766	36.57135126	-100.7480424	349854.3812990159	341646.493877551	2920.8244605105	2822.914512941606	2752.022044667345	2751.762972	70.89246647	71.1519210278076
586	281	21966	15158.858673033514	981817	3170250766	36.57135024108505	-100.7457026	350055.3698	341638.471700096	2914.90922094016	2821.86062749282	2751.08127510613	2751.08127510613	70.7935717822604	71.0940194
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588	281	21968	16478.858673033514	981817	3170250766	36.57134807629048	-100.7410239	350457.3464950778	341630.43699848	2907.3969714558655	2819.732871914286	2747.7026117530318	2747.878388149873	72.0020393906988	71.854482995655
589	281	21969	17138.858673033514	981817	3170250766	36.5713469857821	-100.7386813	350658.3346750713	341626.429892718	2904.299168729993	2817.58674952457	2746.59709863267	2746.59709863267	73.00871637483986	72.91924078287806
590	281	21970	17798.858673033514	981817	3170250766	36.57134593437	-100.7363432	350852.322951918	341622.40316598	2899.28874596128	2817.58697405908	2747.74675547904	2747.37502539001	73.1123401	73.03052628924
591	281	21971	18458.858673033514	981817	3170250766	36.571344487046666	-100.7340033	351060.1029384034	341618.38657211	2895.56730372905	2816.506248774094	2742.944383433714	2742.944383433714	73.561004302223	73.0640365316974
592	281	21972	19118.858673033514	981817	3170250766	36.571343022742	-100.7316634	351261.29738766	341614.370206252	2892.764537673497	2815.419684819013	2742.94304119013	2742.94304119013	74.102059843824	74.02876962
593	281	21973	19778.858673033514	981817	3170250766	36.5713418682057	-100.7293236	351462.284401774	341610.354053017	2888.761013716533	2814.320879114842	2739.6093288184036	2739.62379834397604	74.7115522643819	74.99298569
594	281	21974	20438.858673033514	981817	3170250766	36.57134040981854	-100.7269837	351663.27279275	341606.338	2885.35876635485	2813.211679395352	2737.874103473746	2737.874103473746	75.33775225	75.33775225
595	281	21975	21098.858673033514	981817	3170250766	36.5713390685996	-100.7248438	351864.26031207138	341602.322399663	2884.109584832085	2812.087349386177	2736.034545508124	2736.034545508124	75.961056830259	75.961056830259
596	281	21976	21758.858673033514	981817	3170250766	36.57133794483459	-100.722304	35208.267085384	341598.30498321	2885.013706777373	2810.94678724468	2735.01367629023163	2735.01367629023163	77.924078287806	77.924078287806
597	281	21977	22418.858673033514	981817	3170250766	36.571336869696	-100.7198641	352266.2304176943	341594.291671084	2885.9179951402	2809.78674561426	2735.0290993899	2735.0290993899	78.0574960715624	78.2603675442227
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599	281	21979	23738.858673033514	981817	3170250766	36.5713292682732	-100.7152844	352688.2074464336	341586.261705205	2885.74989819676	2807.388128915545	2726.157950205093	2726.157950205093	81.627799	81.627799
600	281	21980	24398.858673033514	981817	3170250766	36.5713273839484	-100.7129446	352869.13094886936	341582.247075756	2885.70131695182	2806.16435876704	2726.3510592400312306	2726.3510592400312306	83.1058877347323	83.1058877347323
601	281	21981	25058.858673033514	981817	3170250766	36.57132598478929	-100.7106047	353070.1803959535	341578.323663958	2884.6257447429094	2804.900640679064	2726.372613346235	2726.372613346235	85.16629825	85.16629825
602	281	21982	25718.858673033514	981817	3170250766	36.57132468507821	-100.7082459	353271.1665287513	341574.218469798	2883.6041725339953	2786.955557148827	2726.538436718628	2726.538436718628	87.739598247029	87.739598247029
603	281	21983	26378.858673033514	981817	3170250766	36.57132342314034	-100.705815	353471.1665287513	341570.234146519	2882.62371446519	2785.82371446519	2726.538436718628	2726.538436718628	89.845891	89.845891
604	281	21984	27038.858673033514	981817	3170250766	36.57132423614034	-10								

ix	iy	x	y	Xrft	Yrft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRrElevKgrg.f	BRrElevBothKgr.f	SatHtKgrg.f	SatHtBoth.f
687	28	213067	81818.85867730335	981818.7170250766	981818.7170250766	35.57101483	-100.509377	470354.4995315248	4381233.80649757	2760.7608180596555	2658.2549184746913	2625.931785940485	2626.3935935634224	32.17373250346284	31.8613234484888
688	28	213068	82478.85867730335	981818.7170250766	981818.7170250766	35.57010920418985	-100.5070373	470555.4714549481	4381229.81067448	2806.4567145696606	2602.701593400441	2623.69537871458	2624.294104060913	33.40666553122268	32.8068379566183
689	28	213069	83048.85867730335	981818.7170250766	981818.7170250766	35.57006655209344	-100.5046912	470766.4848637676	4381225.815893912	2805.12686951255	2653.941315875051	2623.9158873202398	2622.3158875051	33.7097250974913	33.7097250974913
690	28	213070	83798.85867730335	981818.7170250766	981818.7170250766	35.570978916146544	-100.5023582	470967.4239572733	4381221.82067274	2803.848585856294	2654.72510325308	2624.75352056454	2620.49258624937	35.01898973885364	34.42509346824814
691	28	213071	84458.85867730335	981818.7170250766	981818.7170250766	35.57099265432238	-100.5000183	471158.3978265189	4381217.825754827	2801.704361205061	2653.5941372645784	2618.011476872582	2618.406427697335	35.82666039199634	35.18770948448497
692	28	213072	85118.85867730335	981818.7170250766	981818.7170250766	35.57096624729655	-100.4976785	471359.372140255966	4381213.81114524	2798.72000150256	2652.404001834704	2616.034772718078	2616.58062486703	36.266627122655	35.84637334130139
693	28	213073	85778.85867730335	981818.7170250766	981818.7170250766	35.5709380360906	-100.4953387	471560.34832872185	4381209.837	2795.73565064154	2651.1999852090776	2613.9956439034736	2614.719891751372	37.203413866043	36.4801754325585
694	28	213074	86438.85867730335	981818.7170250766	981818.7170250766	35.57097448736966	-100.4929988	471761.32030944274	4381205.264479077	2792.751269705474	2649.979808296649	2612.0473471484834	2612.994542391325	37.9314611461654	36.9842680351634
695	28	213075	87098.85867730335	981818.7170250766	981818.7170250766	35.57096655209344	-100.490691	471962.2943682043	4381201.84848612	2790.012685	2648.73949220454	2610.317331226917	2611.2468318045975	37.9314611461654	37.9314611461654
696	28	213076	87758.85867730335	981818.7170250766	981818.7170250766	35.5709526717691	-100.4883192	472163.268157240834	4381197.545710985	2787.5201122272	2648.0682573598	2609.023345219547	2609.68625192933	37.853927265047	37.853927265047
697	28	213077	88418.85867730335	981818.7170250766	981818.7170250766	35.57095635414294	-100.4859793	472364.2418557614	4381193.861151944	2785.027379652244	2646.201639441424	2607.316186877668	2607.956796858516	38.88520077365702	38.22204273890164
698	28	213078	89078.85867730335	981818.7170250766	981818.7170250766	35.57095045590742	-100.4836395	472565.2154	4381189.86789098	2782.584563607698	2644.901058978305	2605.944866361598	2606.558972624121	38.952619614837	38.34220671
699	28	213079	89738.85867730335	981818.7170250766	981818.7170250766	35.570943432470305	-100.4812997	472766.188888885	4381185.874684422	2780.2755346374933	2643.9751945942005	2604.33052043901	2604.2867415512847	38.255328246122656	38.255328246122656
700	28	213080	90398.85867730335	981818.7170250766	981818.7170250766	35.57093816331634	-100.4795898	472967.1622200686	4381181.482	2778.287039377447	2643.23103774447	2603.2173477720326	2603.2173477720326	38.70021610541464	38.2053314
701	28	213081	91058.85867730335	981818.7170250766	981818.7170250766	35.57093194999142	-100.47662	473168.1354	4381177.889836993	2776.2868548172563	2640.877193769024	2602.76897523581	2602.9039305058746	38.70021610541464	37.9820678372782
702	28	213082	91718.85867730335	981818.7170250766	981818.7170250766	35.570925094964	-100.474682	473369.10852770496	4381173.89680887	2774.2850440431404	2639.487024089408	2601.181156059643	2601.922313724485	37.76160484921889	37.76160484921889
703	28	213083	92378.85867730335	981818.7170250766	981818.7170250766	35.570919386706336	-100.4719403	473570.01482556924	4381169.90435015	2772.00302658168	2638.096225363136	2600.253715346597	2600.843615	37.84551002	37.2560686619621
704	28	213084	93038.85867730335	981818.7170250766	981818.7170250766	35.5709130726152	-100.469005	473771.0543417373	4381165.1230872	2769.43225346364	2636.68181931587	2599.8563174126843	2599.3439378721223	37.84551002	37.3384305046314
705	28	213085	93698.85867730335	981818.7170250766	981818.7170250766	35.570906642615206	-100.4672607	473972.0270704154	4381161.9204386	2766.874319652046	2635.24647341722	2596.27556390055	2596.666236343567	37.890909132679	38.5802047394626
706	28	213086	94358.85867730335	981818.7170250766	981818.7170250766	35.5709002276739	-100.4648208	474172.9996780956	4381157.92857578	2764.306406140916	2633.793084509405	2592.893076035817	2592.893076035817	40.9000804132646	40.55059091
707	28	213087	95018.85867730335	981818.7170250766	981818.7170250766	35.57089371771814	-100.46281	474373.9721671231	4381153.93482085	2761.546647394815	2632.3250138344783	2589.665454708335	2589.839487419138	42.48595622006526	42.48595622006526
708	28	213088	95678.85867730335	981818.7170250766	981818.7170250766	35.57088718746735	-100.4602412	474574.9445535674	4381149.54635077	2758.5875136794125	2630.764740406867	2587.67592531344	2586.837546590146	44.1639435337345	44.003084965381
709	28	213089	96338.85867730335	981818.7170250766	981818.7170250766	35.57088120515124	-100.4582814	474775.9477548855	4381145.6351128	2755.843781165323	2628.947817105323	2585.837813419743	2585.837813419743	44.1639435337345	44.1639435337345
710	28	213090	96998.85867730335	981818.7170250766	981818.7170250766	35.57087399136148	-100.4556515	474976.889135557	4381141.96408491	2752.682426545247	2627.832591571526	2582.4028151465045	2582.4028151465045	44.776423012394	44.3396434556664
711	28	213091	97658.85867730335	981818.7170250766	981818.7170250766	35.57086735050384	-100.4532217	475177.8609237109	4381137.94049749	2750.252954964627	2626.301533781978	2580.891500103975	2581.013460888852	45.4190381858046	45.2760339311971
712	28	213092	98318.85867730335	981818.7170250766	981818.7170250766	35.57086061449684	-100.4508819	475378.8326147166	4381133.98377679	2747.8892372039213	2624.77772	2579.57097926916	2579.701164	45.20674048731736	45.0756632089726
713	28	213093	98978.85867730335	981818.7170250766	981818.7170250766	35.57085388819199	-100.4485421	475579.8045868747	4381129.99835249	2744.88917132801	2623.2341394313185	2578.40612673201	2578.590442201612	45.20674048731736	45.46436912706504
714	28	213094	99638.85867730335	981818.7170250766	981818.7170250766	35.570847056732674	-100.446222	475780.7624039585	4381126.03830365	2742.568922263885	2621.67783040734	2576.7696427067	2577.913389205115	45.00983619667245	43.76441317652257
715	28	213095	100298.85867730335	981818.7170250766	981818.7170250766	35.570840211625124	-100.4438624	475989.74777548855	4381122.01451203	2740.286868198857	2620.1084062168775	2575.9868383995	2577.975254224285	45.00983619667245	42.1331817944677
716	28	213096	100958.85867730335	981818.7170250766	981818.7170250766	35.57083280550554	-100.4415222	476192.716217919	4381118.0270479	2737.9131050571	2618.33101050571	2573.7680917547	2573.7680917547	45.00983619667245	40.98637222
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719	28	213099	102938.85867730335	981818.7170250766	981818.7170250766	35.5708123112295	-100.4345031	476785.632635491	4381106.05783156	2730.15635434861	2613.6822284644	2570.74816289027	2570.74816289027	45.00983619667245	37.3850102331827
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721	28	213101	104258.85867730335	981818.7170250766	981818.7170250766	35.57079810876224	-100.4298234	477187.5741028325	4381098.06879188	2724.785551397188	2610.353479631368	2568.34162094666	2568.34162094666	45.00983619667245	40.02563120107066
722	28	213102	104918.85867730335	981818.7170250766	981818.7170250766	35.5707910178925	-100.427468	477389.545229035	4381094.093	2722.859116363985	2608.72990146718	2566.42567485221	2566.42567485221	45.00983619667245	42.740517919447
723	28	213103	105578.85867730335	981818.7170250766	981818.7170250766	35.5707839136148	-100.4251348	477589.5199170304	4381090.10484165	2720.248591300276	2607.053698159425	2565.76130087873	2565.76130087873	45.00983619667245	42.740517919447
724	28	213104	106238.85867730335	981818.7170250766	981818.7170250766	35.570776506252	-100.422804	477790.4863951795	4381086.11697242	2718.67316373694	2605.37050870255	2560.29541144242	2560.29541144242	45.00983619667245	40.9750972611325
725	28	213105	106898.85867730335	981818.7170250766	981818.7170250766	35.57076925738878	-100.4204642	477991.456755643	4381082.12949914	2716.37064351821	2603.6759702107752	2557.908598959593	2558.750505056786	45.00983619667245	44.9209475059695
726	28	213106	107558.85867730335	981818.7170250766	981818.7170250766	35.57076191351381	-100.4181243	478192.42730343684	4381078.14223039	2714.6436687110287	2601.972025090745	2555.54782692187	2555.54782692187	45.00983619667245	40.9750972611325
727	28	213107	108218.85867730335	981818.71702507											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
73	289	213193	-323421.1413	982477.3172050766	39.56774791557621	-01.9460221	246928.76429529602	4383929.646089818	3755.3103582283215	35.8323218432583	3465.993199672564	3464.057031100856	74.73931221709642	74.4752904762731
74	289	213194	-322761.1413	982477.3172050766	39.56774791557621	-01.9436829	247129.8510320504	4383925.255677915	3752.31191	35.836815731235	3464.810343	3463.466580448698	72.0264721362511	73.3699528436614
75	289	213195	-322491.1413	982477.3172050766	39.56774791557621	-01.9413289	247330.943	4383921.389391113	3748.611228921032	35.83514937684983	3463.8252340312398	3462.852346374347	71.4559785493487	72.2970310306301
76	289	213196	-322141.1413	982477.3172050766	39.56781160063576	-01.9390034	247532.031889943	4383915.553267741	3744.210472637683	35.8340736832721	3463.0036822909587	3462.3001318177775	71.0119336173964	71.4323443639478
77	289	213197	-320781.1413	982477.3172050766	39.5678361593353	-01.9366638	247733.1205551507	4383913.125034477	3739.809717254002	35.831800551364858	3460.970848699848	3460.433221710715	70.292970289	71.370476047
78	289	213198	-320121.1413	982477.3172050766	39.5678580800375	-01.9343242	247934.20897078485	4383908.95792626	3735.139916157326	3459.389295123057	3459.113291301173	70.507656450212	71.0285869710458	71.0285869710458
79	289	213199	-319461.1413	982477.3172050766	39.56787998947305	-01.9319846	248135.2971370896	4383904.866	3731.334029289622	3458.488359194715	3458.04133221710715	70.458061065137907	70.458061065137907	70.458061065137907
80	289	213200	-318801.1413	982477.3172050766	39.56790185	-01.9296451	248363.305542736	4383907.73236983	3727.54893024277	3456.84859007964	3456.560307328128	70.45866092	70.2853457	70.1848312390838
81	289	213201	-318141.1413	982477.3172050766	39.56792368518769	-01.9273555	248587.472225467	4383906.80829143	3722.8358257869823	3455.215155	3453.998013986435	3453.968210948365	71.2714077303654	71.2448436396493
82	289	213202	-317481.1413	982477.3172050766	39.567945430517796	-01.9249589	248738.5601421125	4383982.475659282	3720.0867254318578	35.83270690241422	3451.4410948465143	3451.385575882421	72.1455971783241	72.20145716172137
83	289	213203	-316821.1413	982477.3172050766	39.56796710083576	-01.9226263	248938.6473117534	4383935.10639859	3716.117687705516	35.831970983160882	3448.7122347420276	3448.593807382674	72.8365357	73.7367047
84	289	213204	-316161.1413	982477.3172050766	39.56798825557524	-01.9202867	249140.7342359439	4383884.22794698	3711.9287149469756	35.83016345860017	3446.3468571847565	3446.115936258925	73.9765871724518	74.24194096
85	289	213205	-315501.1413	982477.3172050766	39.5680105534707	-01.9179471	249341.82091062414	4383880.04732502	3707.7397421233986	35.81760595916087	3444.016651	3443.709472745871	74.7439472745871	75.05089084015344
86	289	213206	-314841.1413	982477.3172050766	39.56803203990303	-01.9156076	249542.9073742242	4383875.96897484	3703.5507699296226	35.811682987902244	3441.1699540308375	3440.76943702215	75.9874940418688	76.48835059480032
87	289	213207	-314181.1413	982477.3172050766	39.56805357926358	-01.9132388	249743.99351653444	4383871.93284412	3701.704684509768	35.8158958467698	3438.000442917543	3437.512067782745	77.58350466061975	78.0771716962503
88	289	213208	-313521.1413	982477.3172050766	39.56807507343403	-01.9109284	249945.0794819363	4383867.711893273	3701.491937767634	35.814010834676273	3434.8021044340558	3434.149022452564	79.2178903351753	79.6780192227087
89	289	213209	-312861.1413	982477.3172050766	39.56809652420897	-01.9085888	250146.1651325872	4383863.584724063	3701.5281109707007	35.81245890290135	3431.449796103976	3431.038240675933	81.0606941837373	81.2602122254157
90	289	213210	-312201.1413	982477.3172050766	39.56811790619013	-01.9062492	250347.25056990737	4383859.45776774	3701.5568420237677	35.81089645237345	3428.097335657855	3427.91718732664	82.9796753046816	82.9796753046816
91	289	213211	-311541.1413	982477.3172050766	39.568139824777516	-01.9030996	250548.3357603483	4383851.30514041	3702.042885362324	35.80934052633903	3424.7614646430698	3425.459648825256	83.5481979903321	83.8834037096503
92	289	213212	-310881.1413	982477.3172050766	39.56816058917105	-01.90157	250749.42074021382	4383845.20154074	3702.986242443938	35.807794716166167	3422.2440723311706	3422.748238533465	85.55064378544603	85.01223462337167
93	289	213213	-310221.1413	982477.3172050766	39.56818186637071	-01.8992304	250950.50540160382	4383847.07826367	3703.928995491926	35.80520549791926	3419.3891343144073	3420.059838375403	86.86292048	86.19921246078946
94	289	213214	-309561.1413	982477.3172050766	39.56820398376425	-01.8968908	251151.5896527078	4383847.50260692	3704.8729548215565	35.8047526998944	3416.1419095767374	3416.1593662811867	88.543264220686	87.1518417107713
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96	289	213216	-308241.1413	982477.3172050766	39.56824533980597	-01.8922216	251553.7801771017	4383834.70752995	3712.451417677013	35.80162133707952	3410.956006491434	3412.724067496533	90.7045321428038	90.83965557441854
97	289	213217	-307581.1413	982477.3172050766	39.56826486722968	-01.889872	251754.8173808875	4383830.57538957	3717.189297635151	35.80014927748517	3408.6574810699126	3410.43927308517	91.474177029237	91.474177029237
98	289	213218	-306921.1413	982477.3172050766	39.5682872945933	-01.8875324	251955.92519917182	4383826.450186784	3721.927164	3498.630958	3406.832667941452	3406.710192457299	91.782896545196	91.782896545196
99	289	213219	-306261.1413	982477.3172050766	39.56830356	-01.8851928	252157.0842225164	4383823.5236464	3727.1922251783734	35.8046223189052757	3406.2290400407742	3406.2290400407742	92.9000251795919	92.9000251795919
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101	289	213221	-304941.1413	982477.3172050766	39.56835636897676	-01.8805196	252569.17413678323	4383816.14076	3729.94963081127	35.802496767698	3402.75896422975	3402.75896422975	92.50828639371916	92.50828639371916
102	289	213222	-304281.1413	982477.3172050766	39.56837124643916	-01.878174	252767.256223372	4383809.57176584	3732.0767957673	35.802496767698	3402.75896422975	3402.75896422975	91.45528969144641	91.45528969144641
103	289	213223	-303621.1413	982477.3172050766	39.568390266476	-01.8758344	252961.338669593	4383805.82765319	3735.7859027104	35.8014053268025	3398.4140821556787	3399.94428760974	92.826411212377	91.29627450570584
104	289	213224	-302961.1413	982477.3172050766	39.56841283375005	-01.8734948	253162.4206861862	4383801.703821841	3738.291438380995	3498.798559	3397.2314082063358	3398.6882059178834	92.85617151631244	91.1103758157684
105	289	213225	-302301.1413	982477.3172050766	39.56843535962896	-01.8711552	253363.5026359097	4383797.58919314	3735.740485116995	3498.798559	3396.2178020691404	3397.02069206438	92.1509972469144	91.3481051
106	289	213226	-301641.1413	982477.3172050766	39.568458424034455	-01.8688156	253564.5841354353	4383794.45679534	3738.118772713995	3498.9514386540953	3394.931410772545	3394.969039006507	92.0202838	91.9823995
107	289	213227	-300981.1413	982477.3172050766	39.56847485785949	-01.8664798	253765.6654	4383799.334	3740.4144441342246	35.8054683535111	3393.914546267473	3392.249639096286	91.6322276763797	92.39704654484815
108	289	213228	-300321.1413	982477.3172050766	39.56849584672096	-01.8641363	253968.7465788632	4383794.101369585	3742.943642112383	35.8041571768074	3392.1270107825847	3391.972107825847	91.027206296374	91.027206296374
109	289	213229	-299661.1413	982477.3172050766	39.56851601116408	-01.8617967	254167.827212184	4383781.08793386	3746.15792485685	35.802496767698	3392.1270107825847	3391.972107825847	90.83965557441854	90.83965557441854
110	289	213230	-299001.1413	982477.3172050766	39.56853651106156	-01.8594571	254368.907516536	4383776.9654369	3749.148655969404	35.8014053268025	3391.40920709936	3391.2647199557039	92.38210393	90.1444803423258
111	289	213231	-298341.1413	982477.3172050766	39.56855696576444	-01.8571175	254569.988048274	4383772.843134875	3749.288073822857	35.80062147057144	3390.42219065746	3389.1177285796	91.8443953696836	91.8443953696836
112	289	213232	-297681.1413	982477.3172050766	39.568577375272646	-01.8547778	254771.06810257718	4383768.721068039	3749.686955520305	35.80062147057144	3389.614347675297	3389.614347675297	91.022763786624	91.022763786624
113	289	213233	-297021.1413	982477.3172050766	39.568597739586195	-01.8524382	254972.1479145453	4383765.959299264	3749.686955520305	35.80062147057144	3389.614347675297	3389.614347675297	91.307872683005	91.307872683005
114	289	213234	-296361.1413	982477.3172050766	39.56861058750054	-01.8500986	255172.7248421738	4383761.47599634	3749.686955520305	35.80062147057144	3389.614347675297	3389.614347675297	91.395497906572	91.395497906572
115	289	213235	-295701.1413	982477.3172050766	39.56862984570054	-01.8478154	255378.3582842136	4383752.35019118	3749.686955520305	35.80062147057144	3389.614347675297	3389.614347675297	91.48528969144641	91.48528969144641
116	289	213236	-295041.1413	982477.3172050766	39.56864556	-01.8454193	255575.3799842736	4383752.35019118	3749.686955520305	35.80062147057144	3389.614347675297	3389.614347675297	91.573055780773	91.573055780773
117	289	213237	-294381.1413	982477.3172050766	39.56867874480274	-01.8430797	255776.46482							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEveLogKgr.ft	BRIEveBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
199	2813319	-240261.1413	982477.3170250766	-101.6512261	272264.12803788297	438340.1949328922	3457.4137194893912	3385.4583916363045	3245.8359162350316	3245.8359162350316	3245.8359162350316	3245.8359162350316	3245.8359162350316	3245.8359162350316
200	2813320	-239601.1413	982477.3170250766	-101.6488864	272465.1875590777	438340.4664785335	3546.6914639224583	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762
201	2813321	-238841.1413	982477.3170250766	-101.6466165	272465.1875590777	438340.4664785335	3546.6914639224583	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762	3386.5991124918762
202	2813322	-238281.1413	982477.3170250766	-101.6444209	272667.30015427838	438339.642	3545.246951879553	3384.267196264422	3384.267196264422	3384.267196264422	3384.267196264422	3384.267196264422	3384.267196264422	3384.267196264422
203	2813323	-237621.1413	982477.3170250766	-101.6418272	273068.3648696387	438339.340331952	3543.006891197039	3383.106025835658	3383.106025835658	3383.106025835658	3383.106025835658	3383.106025835658	3383.106025835658	3383.106025835658
204	2813324	-236961.1413	982477.3170250766	-101.6395274	273269.42349315697	438339.340331952	3553.028646711473	3381.83417682546	3381.83417682546	3381.83417682546	3381.83417682546	3381.83417682546	3381.83417682546	3381.83417682546
205	2813325	-236301.1413	982477.3170250766	-101.6371877	273470.48189331347	438338.337161024	3558.4571952232305	3380.5149836436	3380.5149836436	3380.5149836436	3380.5149836436	3380.5149836436	3380.5149836436	3380.5149836436
206	2813326	-235641.1413	982477.3170250766	-101.634848	273671.54070313147	438332.235907166	3558.4571952232305	3379.1569880935494	3379.1569880935494	3379.1569880935494	3379.1569880935494	3379.1569880935494	3379.1569880935494	3379.1569880935494
207	2813327	-234981.1413	982477.3170250766	-101.6325982	273872.5980245686	438331.734871471	3549.187685190668	3378.46982642557	3378.46982642557	3378.46982642557	3378.46982642557	3378.46982642557	3378.46982642557	3378.46982642557
208	2813328	-234321.1413	982477.3170250766	-101.6301685	274073.655756696	438330.740406262	3552.761168992022	3377.335345601464	3377.335345601464	3377.335345601464	3377.335345601464	3377.335345601464	3377.335345601464	3377.335345601464
209	2813329	-233661.1413	982477.3170250766	-101.6278288	274274.713264348	438339.93471929	3543.535268992022	3374.876884	3374.876884	3374.876884	3374.876884	3374.876884	3374.876884	3374.876884
210	2813330	-233001.1413	982477.3170250766	-101.625489	274475.77055087325	438336.83102274	3543.308396398353	3373.94868895918	3373.94868895918	3373.94868895918	3373.94868895918	3373.94868895918	3373.94868895918	3373.94868895918
211	2813331	-232341.1413	982477.3170250766	-101.6231493	274676.8276	438331.732653464	3528.80500693248	3371.8895720977657	3371.8895720977657	3371.8895720977657	3371.8895720977657	3371.8895720977657	3371.8895720977657	3371.8895720977657
212	2813332	-231681.1413	982477.3170250766	-101.6208096	274877.884457539	438335.637	3527.022181627474	3370.364752634112	3370.364752634112	3370.364752634112	3370.364752634112	3370.364752634112	3370.364752634112	3370.364752634112
213	2813333	-231021.1413	982477.3170250766	-101.618498	275078.941072504	438335.63319455	3525.239563179793	3368.823067500718	3368.823067500718	3368.823067500718	3368.823067500718	3368.823067500718	3368.823067500718	3368.823067500718
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215	2813335	-229701.1413	982477.3170250766	-101.6137903	275481.035652847	438335.346826926	3524.15430881455	3365.6940561800474	3365.6940561800474	3365.6940561800474	3365.6940561800474	3365.6940561800474	3365.6940561800474	3365.6940561800474
216	2813336	-229041.1413	982477.3170250766	-101.6114506	275682.19061205576	438331.23525713	3527.328455225854	3364.108373832594	3364.108373832594	3364.108373832594	3364.108373832594	3364.108373832594	3364.108373832594	3364.108373832594
217	2813337	-228381.1413	982477.3170250766	-101.6091109	275883.165347395	438333.136703114	3530.5113309750614	3362.50746627653	3362.50746627653	3362.50746627653	3362.50746627653	3362.50746627653	3362.50746627653	3362.50746627653
218	2813338	-227721.1413	982477.3170250766	-101.6067711	276084.2206313186	438330.136703114	3533.688916218648	3360.9329491715	3360.9329491715	3360.9329491715	3360.9329491715	3360.9329491715	3360.9329491715	3360.9329491715
219	2813339	-227061.1413	982477.3170250766	-101.6044314	276285.276157135	438329.939708431	3536.24682473133	3359.264462345663	3359.264462345663	3359.264462345663	3359.264462345663	3359.264462345663	3359.264462345663	3359.264462345663
220	2813340	-226401.1413	982477.3170250766	-101.602018	276486.312322955	438332.441561156	3538.182471175715	3357.61935219671	3357.61935219671	3357.61935219671	3357.61935219671	3357.61935219671	3357.61935219671	3357.61935219671
221	2813341	-225741.1413	982477.3170250766	-101.5995974	276687.368616686	438327.441561156	3547.34719277758	3355.90768824543	3355.90768824543	3355.90768824543	3355.90768824543	3355.90768824543	3355.90768824543	3355.90768824543
222	2813342	-225081.1413	982477.3170250766	-101.5971421	276888.4047115963	438316.645004422	3542.053857974223	3354.267196264422	3354.267196264422	3354.267196264422	3354.267196264422	3354.267196264422	3354.267196264422	3354.267196264422
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224	2813344	-223761.1413	982477.3170250766	-101.5927326	277290.54933147866	438308.45131889	3545.385161396873	3350.871473799505	3350.871473799505	3350.871473799505	3350.871473799505	3350.871473799505	3350.871473799505	3350.871473799505
225	2813345	-223101.1413	982477.3170250766	-101.5903929	277491.6037037533	438304.3540709853	3546.969084025886	3349.14732756887	3349.14732756887	3349.14732756887	3349.14732756887	3349.14732756887	3349.14732756887	3349.14732756887
226	2813346	-222441.1413	982477.3170250766	-101.588031	277692.6570647922	438300.257424832	3548.536775748195	3347.4137961433	3347.4137961433	3347.4137961433	3347.4137961433	3347.4137961433	3347.4137961433	3347.4137961433
227	2813347	-221781.1413	982477.3170250766	-101.585631	277893.7078213155	438297.400322402	3547.34719277758	3345.90768824543	3345.90768824543	3345.90768824543	3345.90768824543	3345.90768824543	3345.90768824543	3345.90768824543
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229	2813349	-220461.1413	982477.3170250766	-101.5807332	278295.8170250563	438287.968005658	3539.436915330836	3342.168122979823	3342.168122979823	3342.168122979823	3342.168122979823	3342.168122979823	3342.168122979823	3342.168122979823
230	2813350	-219801.1413	982477.3170250766	-101.5786841	278496.8690710546	438283.871215583	3535.48168124136	3340.212897396478	3340.212897396478	3340.212897396478	3340.212897396478	3340.212897396478	3340.212897396478	3340.212897396478
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232	2813352	-218481.1413	982477.3170250766	-101.5740146	278898.975	438275.768877265	3527.740271602546	3336.9071958492236	3336.9071958492236	3336.9071958492236	3336.9071958492236	3336.9071958492236	3336.9071958492236	3336.9071958492236
233	2813353	-217821.1413	982477.3170250766	-101.5716748	279100.0272495059	438271.755889406	3525.935064112394	3335.160077162005	3335.160077162005	3335.160077162005	3335.160077162005	3335.160077162005	3335.160077162005	3335.160077162005
234	2813354	-217161.1413	982477.3170250766	-101.569325	279301.0782613155	438267.441561156	3523.456531011938	3333.456531011938	3333.456531011938	3333.456531011938	3333.456531011938	3333.456531011938	3333.456531011938	3333.456531011938
235	2813355	-216501.1413	982477.3170250766	-101.5669835	279502.1310563962	438263.396	3508.91126255391	3331.691292342094	3331.691292342094	3331.691292342094	3331.691292342094	3331.691292342094	3331.691292342094	3331.691292342094
236	2813356	-215841.1413	982477.3170250766	-101.5645556	279703.18263450044	438259.301050397	3506.3592919452	3329.9478649558	3329.9478649558	3329.9478649558	3329.9478649558	3329.9478649558	3329.9478649558	3329.9478649558
237	2813357	-215181.1413	982477.3170250766	-101.5621158	279904.233995351	438255.2066462	3503.805853	3328.2372371684723	3328.2372371684723	3328.2372371684723	3328.2372371684723	3328.2372371684723	3328.2372371684723	3328.2372371684723
238	2813358	-214521.1413	982477.3170250766	-101.559976	280105.2851400454	438251.114269017	3501.257323671037	3326.5874774770126	3326.5874774770126	3326.5874774770126	3326.5874774770126	3326.5874774770126	3326.5874774770126	3326.5874774770126
239	2813359	-213861.1413	982477.3170250766	-101.5576363	280306.336069154	438247.4176887516	3500.6871958492236	3324.9172688001	3324.9172688001	3324.9172688001	3324.9172688001	3324.9172688001	3324.9172688001	3324.9172688001
240	2813360	-213201.1413	982477.3170250766	-101.5552695	280507.3867172794	438242.542757952	3502.096346200876	3323.96078487489	3323.96078487489	3323.96078487489	3323.96078487			

ix	iy	X	Y	X.Rt	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsRt	BRIElevBothgRt	SatHtLogsRt	SatHtBothgRt
329	239	13445	-15701.1413	982477.3170250766	35.718784512785754	-101.3564133	297956.92931320914	4382895.762927832	3388.7072732067254	3189.5856729793954	3084.65572042028992	3072.2044009243828	104.9299525040341	117.38127205501269	
329	239	13446	-15644.1413	982477.3170250766	35.719054584978455	-101.3540374	297796.9622	4382891.684146596	3385.9174935925423	3188.337945925423	3082.7951447405676	3068.63177	105.54234918497468	119.7057238888823	
329	239	13447	-15529.1413	982477.3170250766	35.719319447780084	-101.3517336	297897.94490198866	4382891.684146596	3383.3974935925423	3187.0496271325456	3080.82967784143	3065.313779548234	106.272799942845654	121.76744903782607	
329	239	13448	-15451.1413	982477.3170250766	35.71952059	-101.349338	298179.023922776	4382883.530245118	3381.104671365986	3185.01364390618	3078.5375702204	3062.97655702204	107.4566765577817	124.4606805767817	
329	239	13449	-15446.1413	982477.3170250766	35.71973718994996	-101.3470538	298400.059686383	4382879.4654123658	3378.8307267485297	3184.535557670164	3077.1064614235056	3057.4664964525205	107.42490614351083	127.06066111449598	
330	239	13450	-15380.1413	982477.3170250766	35.7197474623818	-101.3447141	298601.0918004315	4382879.391222007	3376.556780313123	3183.246696247929	3075.296854820897	3053.43439	107.94864142703197	128.80751404171883	
331	239	13451	-15314.1413	982477.3170250766	35.719825733046	-101.3423743	298802.1238047044	4382871.31540236	3374.5904594522445	3181.9473088483305	3073.7129912997366	3049.96769	108.23431754859934	131.9796993201806	
332	239	13452	-15248.1413	982477.3170250766	35.719872321629	-101.3400344	299003.1555119079	4382867.244	3372.93176438174	3179.637566521555	3072.0392235799636	3046.539795928454	108.59834297217185	134.01159062307167	
333	239	13453	-15181.1413	982477.3170250766	35.719917914380984	-101.3378466	299254.18702207407	4382865.170839216	3370.915456080044	3178.0453843685904	3070.453843685904	3043.453843685904	109.8612025540519	136.8692232701104	
334	239	13454	-15116.1413	982477.3170250766	35.7199651939453	-101.3353547	299405.123354425	4382859.07818264	3369.614145400324	3177.07957069395	3068.9921412812	3040.5445708122853	109.9803556311983	139.311989807906	
335	239	13455	-15050.1413	982477.3170250766	35.7199884966493	-101.3330149	299605.2495	4382855.05018056	3367.6276327059178	3176.831973897367	3067.8847059739873	3040.61578468393	110.256653705738	142.0268138978783	
336	239	13456	-14984.1413	982477.3170250766	35.720101347349	-101.330675	299807.2803276128	4382850.952	3365.3128453280553	3175.271238058534	3067.015149050514	3040.423051690531	108.2560897855692	125.84818716005248	
337	239	13457	-14918.1413	982477.3170250766	35.7202037462897	-101.3283352	300008.310968268	4382846.880078047	3362.990578089333	3173.89977336182	3065.780651	3040.479040513166	108.119122	123.24073203203156	
338	239	13458	-14852.1413	982477.3170250766	35.720359630527	-101.3259954	300209.3419657563	4382842.807937891	3360.6832704400313	3172.57172759226	3064.7023135686313	3054.195214713265	107.81541401059485	118.3225126859696	
339	239	13459	-14786.1413	982477.3170250766	35.72046072	-101.3236655	300410.3196755768	4382838.76	3358.368176045559	3171.125847192568	3063.533125196427	3052.1818268739527	107.59274807301535	116.679150470987	
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369	239	13489	-12806.141												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
451	2813571	-73941.14133	982477.3170250766	35.7289142207689	-101.0618589	322924.58007291646	4328384.07142759	3148.0682051359872	329.8315405709053	2943.2655922202794	2945.4242534080226	2947.6592735067093	83.48911860720248	
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470	2813590	-61401.14133	982477.3170250766	35.72979483171544	-101.0171313	326743.7321008238	4328307.31233658	3107.3262487613713	2999.840464387518	2921.728857670312	2921.728857670312	80.1612606713285	78.01061131996038	
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479	2813599	-55461.14133	982477.3170250766	35.7301559072646	-100.9960722	328562.7827964602	4328269.76027946	3103.0569968703	2998.891091102069	2918.5147807026888	2920.088193938015	68.80293486	68.80293486	
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492	2813612	-46881.14133	982477.3170250766	35.7306610622114	-100.9656375	331165.8320779954	4328218.21548217	3103.0569968703	2998.891091102069	2918.5147807026888	2920.088193938015	68.80293486	68.80293486	
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494	2813614	-45561.14133	982477.3170250766	35.73073633041736	-100.9609733	331567.831824666	4328210.3358237	3103.0569968703	2998.891091102069	2918.5147807026888	2920.088193938015	68.80293486	68.80293486	
495	2813615	-44901.14133	982477.3170250766	35.73077404128706	-100.9586336	331768.8369013702	4328206.206	3103.0569968703	2998.891091102069	2918.5147807026888	2920.088193938015	68.80293486	68.80293486	
496	2813616	-44241.14133	982477.3170250766	35.73081735439603	-100.9562937	331969.8415611031	4328202.167	3103.0569968703	2998.891091102069	2918.5147807026888	2920.088193938015	68.80293486	68.80293486	
497	2813617	-4358												

ix	yy	icb99	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
577	219	213697	9218.858673073351	92427.7170250766	39.57317089056708	-100.7667605	44825.4920230787	43181575.85885875	2944.673759186782	2282.9288373086247	2772.007108353977	2771.3736852630072	57722.7289502699	57555.1520461743
578	219	213698	9678.858673073351	92427.7170250766	39.57317089056708	-100.7667605	44845.4814743643	4318171.839915212	2940.287119810723	2628.131243333534	2770.4794893518465	2769.59595661460	57565.183498172718	57511.7368667423036
579	219	213699	1038.858673073351	92427.7170250766	39.57317089056708	-100.7667605	44865.4704740343	431817.8186770396	2938.53412383191	2627.303154846607	2768.6188991519303	2768.2658958178406	57568.93890220786	57017.02008220786
580	219	213700	11198.858673073351	92427.7170250766	39.57316859246692	-100.7544008	44883.45902752095	431863.8005204218	2932.2033602849033	2628.1002727557	2766.275486	2766.1591522506737	57567.85625684715	57209.02024894745
581	219	213701	11858.858673073351	92427.7170250766	39.5731678033314	-100.7547408	44904.44883053597	4318159.76227749	2927.835781627739	2625.542318626996	2763.608807712976	2763.590510073404	57563.91145568941	57510.849539209
582	219	213702	12518.858673073351	92427.7170250766	39.5731666851584	-100.7550609	44925.45347796704	4318163.923228	2925.5492561468476	2624.6139871133605	2760.6399928315	2760.716857618063	57563.895313515418	57511.7368667423036
583	219	213703	13178.858673073351	92427.7170250766	39.5731660849055	-100.757221	44946.4265129606	4318154.7445632	2919.83557	2623.61165	2757.79195259673	2757.68126808369	57562.9125687457	57510.849539209
584	219	213704	13838.858673073351	92427.7170250766	39.57316513270744	-100.7503811	44965.4150837625	4318176.791369	2916.93572404693	2622.6902009631176	2756.350129030311	2755.511276966221	57561.7407188010673	57511.7368667423036
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589	219	213709	17138.858673073351	92427.7170250766	39.5731598590958	-100.7386815	45062.3586456268	4318182.63713825	2901.4049226405233	2617.632801467463	2746.955291233641	2749.6171879137	57561.7407188010673	57511.7368667423036
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593	219	213713	19778.858673073351	92427.7170250766	39.57315480233935	-100.7293218	45146.3588138996	431817.51673896	2889.407356139848	2613.512477714685	2740.742968572689	2745.516187810842	57561.7407188010673	57511.7368667423036
594	219	213714	20438.858673073351	92427.7170250766	39.57315342833976	-100.7269819	45167.2924244004	4318107.5559374	2887.13273150582	2612.482255962477	2739.02746861442	2744.14338298243	57561.7407188010673	57511.7368667423036
595	219	213715	21098.858673073351	92427.7170250766	39.573152	-100.72462	45188.279927902	4318159.3738246	2886.652234321427	2611.368166024706	2737.204196571677	2742.323205231395	57561.7407188010673	57511.7368667423036
596	219	213716	21758.858673073351	92427.7170250766	39.57315053407475	-100.7223021	45209.2667704645	4318790.52409006	2884.652324381815	2610.270014061293	2734.8281306177064	2739.427405434684	57561.7407188010673	57511.7368667423036
597	219	213717	22418.858673073351	92427.7170250766	39.57314902183491	-100.7199622	45227.20354703412	431875.50869645	2889.438232510980	2609.1513226446813	2732.03987166433	2735.206809919603	57561.7407188010673	57511.7368667423036
598	219	213718	23078.858673073351	92427.7170250766	39.57314783671595	-100.7176222	45247.240077339	431871.9143	2890.83121199011	2608.0945878316	2728.9007665371	2730.012568912301	57561.7407188010673	57511.7368667423036
599	219	213719	23738.858673073351	92427.7170250766	39.5731466048477	-100.7152923	45268.2198442784	431871.9143	2891.5812177895	2607.142869154084	2727.287615819527	2728.9007665371	57561.7407188010673	57511.7368667423036
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601	219	213721	25058.858673073351	92427.7170250766	39.573142518320736	-100.7106259	45307.116025	431871.9143	2888.625145487516	2604.75001322708	2725.74001322708	2725.74001322708	57561.7407188010673	57511.7368667423036
602	219	213722	25718.858673073351	92427.7170250766	39.573140740192	-100.7082626	45327.5184366514	431871.9143	2888.625145487516	2603.156413700763	2723.97977783284	2727.221669183924	57561.7407188010673	57511.7368667423036
603	219	213723	26378.858673073351	92427.7170250766	39.57313895342816	-100.7059227	45347.6106847314	431871.9143	2886.851213585716	2601.88910589287693	2728.144034698868	2727.34407436634	57561.7407188010673	57511.7368667423036
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606	219	213726	28358.858673073351	92427.7170250766	39.57313471449878	-100.7000929	45407.75912384478	431871.9143	2887.05527033493	2597.758704337874	2725.260864644	2725.260864644	57561.7407188010673	57511.7368667423036
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608	219	213728	29678.858673073351	92427.7170250766	39.5731294	-100.6942231	45448.091705976	431871.9143	2886.258291718376	2595.25859306914085	2724.90767764905	2724.90767764905	57561.7407188010673	57511.7368667423036
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610	219	213730	30998.858673073351	92427.7170250766	39.57312540111255	-100.689433	45488.0677679809	431871.9143	2884.16864714605	2593.512121544231	2723.9124988577414	2723.9124988577414	57561.7407188010673	57511.7368667423036
611	219	213731	31658.858673073351	92427.7170250766	39.57312306529235	-100.6872033	45508.05240198024	431871.9143	2883.246814613266	2592.693183138172	2722.751845	2722.751845	57561.7407188010673	57511.7368667423036
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615	219	213735	34298.858673073351	92427.7170250766	39.5731140038551	-100.6778437	45588.009903428	431871.9143	2879.578261217836	2589.269480135826	2715.27929223446	2715.27929223446	57561.7407188010673	57511.7368667423036
616	219	213736	34958.858673073351	92427.7170250766	39.5731118685012	-100.6755038	45608.973831361	431871.9143	2878.63354659175	2588.356179948471	2714.0875916806413	2714.0875916806413	57561.7407188010673	57511.7368667423036
617	219	213737	35618.858673073351	92427.7170250766	39.57310971121296	-100.6731639	45628.9592870226	431871.9143	2877.69401810171	2587.439016512539	2712.98595118267	2712.98595118267	57561.7407188010673	57511.7368667423036
618	219	213738	36278.858673073351	92427.7170250766	39.573108059069	-100.6708233	45648.944917517716	431871.9143	2876.752481813088	2586.524618251061	2711.87467265133	2711.87467265133	57561.7407188010673	57511.7368667423036
619	219	213739	36938.858673073351	92427.7170250766	39.573106306912	-100.668484	45668.930854272	431871.9143	2875.810953118359	2585.610953118359	2710.76434297969	2710.76434297969	57561.7407188010673	57511.7368667423036
620	219	213740	375											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BR/ElevKgm.ft	BR/ElevBothKgm.ft	SatHtKgm.ft	SatHtBoth.ft
700	281282	92378.85867307335	924277.17	70250766	36.572732309722056	-100.4719322	373574.076685056	43831371.10754878	2768.4071775503461	2599.27105959892	2599.927210559892	2599.927210559892	37.8631975079701	
704	281284	93038.85867307335	924277.17	70250766	36.572725960113836	-100.4699253	374552.0452891073	43831367.11519108	2765.532053023526	2636.3741277986503	2597.486089376174	2598.055911818545	38.518263898	
706	281286	94358.85867307335	924277.17	70250766	36.572719563530287	-100.4652191	374766.3123444564	43831367.75024941	2763.6775024941	2634.388652049416	2598.025399743987	2598.478157107122	39.16485228044	
708	281288	94358.85867307335	924277.17	70250766	36.57271312528944	-100.4644125	374716.96942	43831359.13154027	2759.81536660458	2633.4862483020584	2592.016991786524	2592.306281271487	41.48480730406054	
707	281287	95018.85867307335	924277.17	70250766	36.57270664007228	-100.4625726	374377.9664828254	43831355.140001139	2757.328319592224	2632.0167921030945	2588.810906384143	2588.960512	43.056280539454	
708	281288	95678.85867307335	924277.17	70250766	36.57270109654456	-100.4603227	374578.93685742	43831351.147870437	2755.216399	2630.532109968157	2585.936743208734	2585.9605274447604	44.571852523851	
709	281289	96338.85867307335	924277.17	70250766	36.57269353403305	-100.4587928	374479.9105888935	43831347.158	2753.10456975757	2629.034059734317	2583.684793025852	2583.7211352103814	45.3492658465134	
710	281289	96998.85867307335	924277.17	70250766	36.5726891320901	-100.455553	374980.884897772	43831346.16673146	2750.9252329840213	2627.53288687178	2582.1901177807617	2582.240629632862	45.33366510795602	
711	281289	97588.85867307335	924277.17	70250766	36.572684217654242	-100.4532191	375181.8542712681	43831339.17175841	2748.0724855584613	2625.902018544532	2581.130099	2581.274278511771	47.7773830783251	
712	281283	98318.85867307335	924277.17	70250766	36.57267735395221	-100.4506732	375382.8259338203	43831335.18589872	2747.3442326990356	2624.470397924291	2580.333320897504	2580.52191161457	43.548182728075	
713	281283	98978.85867307335	924277.17	70250766	36.57266677952144	-100.4485333	375583.794775023	43831331.195	2745.616118326024	2622.92695508832	2578.58889550848	2579.8470643573064	43.0789065162565	
714	281284	99638.85867307335	924277.17	70250766	36.57265997788712	-100.4461934	375784.769025411	43831327.20547681	2743.8799980205	2621.371458643764	2579.02429091917	2579.37479624243	42.2825494306109	
715	281283	100298.85867307335	924277.17	70250766	36.57265313105026	-100.4438535	375985.7402091557	43831323.215703494	2744.1503001732553	2618.9305960407265	2578.8767734657963	2579.7131138489	40.92285275430156	
716	281283	100958.85867307335	924277.17	70250766	36.57264623901746	-100.4415136	376186.711	43831319.262140048	2746.403062	2618.2213413370105	2578.8637905871856	2579.3047344851096	39.3570574924895	
717	281287	10118.85867307335	924277.17	70250766	36.57263900176506	-100.4391738	376387.68256763375	43831316.23679584	2748.6582964842844	2618.6249782088216	2578.1716929013404	2579.559806121954	37.0657120886773	
718	281287	10278.85867307335	924277.17	70250766	36.572632319321094	-100.4368339	376588.65352040044	43831311.247687151	2750.90689690916	2615.015208731754	2579.9994063072786	2580.442011352122	35.1580176549577	
719	281289	102938.85867307335	924277.17	70250766	36.572625291674164	-100.434484	376789.6243553478	43831307.25876428	2748.392021680412	2613.99266702648	2578.3762156080934	2579.67188414897	37.01645109475476	
720	281289	103598.85867307335	924277.17	70250766	36.572618218824786	-100.4321541	376990.559272456	43831303.27062116	2759.1271604390113	2611.75793	2572.5415958690996	2573.0591116457965	36.233399310071	
721	281284	104258.85867307335	924277.17	70250766	36.57261110077295	-100.4298142	377191.56657323434	43831299.282	2763.855827089613	2610.1115066930092	2568.1932318575227	2569.78952621406	40.91827484	
722	281282	104918.85867307335	924277.17	70250766	36.57261037351865	-100.4274744	377392.31561567174	43831295.29323776	2764.383416890514	2608.45351980619	2566.197570516726	2566.8658257493156	40.262890927727	
723	281283	105678.85867307335	924277.17	70250766	36.57260572906193	-100.4251345	377993.5660330061	43831291.2597279	2769.896769991417	2606.785699991347	2568.9223734373164	2568.9223734373164	42.5604021786573	
724	281284	106238.85867307335	924277.17	70250766	36.5725994540277	-100.4227486	377794.476733673	43831287.17452418	2767.795347413894	2605.107385814488	2567.11133285155	2567.68278552371	42.89602760621127	
725	281289	106938.85867307335	924277.17	70250766	36.572593417654242	-100.4204754	378091.2652781911	43831283.158214182	2764.57446916652	2599.02635775425	2569.64371409292	2569.8481725813284	50.225055014894	
726	281284	107558.85867307335	924277.17	70250766	36.57257483247729	-100.4181148	378196.14925438	43831279.34470783	2763.592502341189	2601.722345691098	2558.464510010505	2558.0040177890048	45.2587959004761	
727	281287	108128.85867307335	924277.17	70250766	36.57256744321096	-100.415775	378397.38682608143	43831275.35227913	2761.696762427967	2600.0171384017036	2554.47688841642	2556.1352762369276	43.81827720934402	
728	281288	10878.85867307335	924277.17	70250766	36.572560074228	-100.4134351	378598.3566118726	43831271.368310364	2760.06698044721	2598.320400918717	2552.6312942110244	2554.25823758372	45.67164880847336	
729	281289	109538.85867307335	924277.17	70250766	36.57255252907124	-100.4110952	378799.3262821165	43831267.382	2765.8653329951	2596.5807387194814	2550.904081	2550.904081	44.2504681304322	
730	281289	110198.85867307335	924277.17	70250766	36.57254500411978	-100.408753	379000.29583701736	43831263.39039519	2766.625871615429	2594.8487045155233	2549.3209254486733	2550.31421644024	45.27779968511995	
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732	281283	111518.85867307335	924277.17	70250766	36.572532907124	-100.4040756	379402.3562916178	43831255.42336364	2765.072673211954	2593.351188	2549.3209254486733	2550.31421644024	45.27779968511995	
733	281289	112178.85867307335	924277.17	70250766	36.57252215836393	-100.4017357	379603.20813172677	43831251.43672874	2749.01104555901	2589.593823	2545.0760911771	2543.6341030517771	45.2583158061831	
734	281284	112838.85867307335	924277.17	70250766	36.57251445268137	-100.3993958	379804.172907153	43831247.451078265	2748.8229098376773	2541.309969622391	2541.579527088844	2541.579527088844	46.51292215286254	
735	281285	113498.85867307335	924277.17	70250766	36.57250671079655	-100.3970559	380005.1418885895	43831243.46554015	2745.86354805164	2586.041931951096	2539.169944	2539.169944	46.51292215286254	
736	281286	114158.85867307335	924277.17	70250766	36.57249891	-100.3947611	380206.110755757	43831239.40426832	2746.249357328546	2537.093494101439	2537.093494101439	2537.093494101439	47.15509831415514	
737	281287	114818.85867307335	924277.17	70250766	36.57249160477887	-100.3923762	380407.0785901776	43831235.49461263	2745.55197629404	2536.228673479515	2532.7357011076507	2532.7357011076507	46.9930427564064	
738	281289	115478.85867307335	924277.17	70250766	36.57248317025968	-100.3904815	380608.046148932	43831231.51082235	2744.57446916652	2599.02635775425	2569.64371409292	2569.8481725813284	50.225055014894	
739	281289	116178.85867307335	924277.17	70250766	36.57247564224954	-100.3876994	380809.016746525	43831227.52604495	2743.503274371843	2578.800019638058	2527.700640182729	2527.700640182729	45.092379465307415	
740	281289	116798.85867307335	924277.17	70250766	36.57246727	-100.3853566	381009.950874371	43831223.516841373	2726.387451918567	2570.95298873207	2526.70698310507	2526.849071798652	50.252305522269	
741	281289	117698.85867307335	924277.17	70250766	36.5724500411978	-100.408753	379000.29583701736	43831263.39039519	2766.625871615429	2594.8487045155233	2549.3209254486733	2550.31421644024	45.27779968511995	
742	281283	118238.85867307335	924277.17	70250766	36.572445268137	-100.3993958	379804.172907153	43831247.451078265	2748.8229098376773	2541.309969622391	2541.579527088844	2541.579527088844	46.51292215286254	
743	281285	113498.85867307335	924277.17	70250766	36.57250671079655	-100.3970559	380005.1418885895	43831243.46554015	2745.86354805164	2586.041931951096	2539.169944	2539.169944	46.51292215286254	
744	281286	114158.85867307335	924277.17	70250766	36.57249891	-100.3947611	380206.110755757	43831239.40426832	2746.249357328546	2537.093494101439	2537.093494101439	2537.093494101439	47.15509831415514	
745	281287	114818.85867307335	924277.17	70250766	36.57249160477887	-100.3923762	380407.0785901776	43831235.49461263	2745.55197629404	2536.228673479515	2532.7357011076507	2532.7357011076507	46.9930427564064	
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748	281289	116798.85867307335	924277.17	70250766	36.57246727	-100.3853566	381009.950874371	43831223.516841373	2726.387451918567	2570.95298873207	2526.70698310507	2526.849071798652	50.252305522269	
749	281289	117698.85867307335	924277.17	70250766	36.5724500411978	-100.408753	379000.29583701736	43831263.39039519	2766.625871615429	2594.8487045155233	2549.3209254486733	2550.31421644024		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
90	291349	-312861.1413	983137.3170250766	39.5699093758747	-101.9086164	250150.30245327594	4384064.899607458	3898.8286994712676	351.011967838476	3431.739571834744	3431.328107070369	39.71239600373205	79.58386016780172	
90	291350	-312201.1413	983137.3170250766	39.56993073191934	-101.9062768	250351.387651171396	4384060.721487125	3687.513343496218	342.17177613684	3427.732076708516	3428.17177613684	39.71170553713738	81.60961461796978	
91	291351	-311541.1413	983137.3170250766	39.5699628105624	-101.9038158	250582.427811071	4384056.645432097	3688.5453975482974	340.790774427816	3434.533675482974	3434.533675482974	39.7096729082845	83.1574076232394	
92	291352	-310881.1413	983137.3170250766	39.56997340499814	-101.9015975	250785.5753244003	4384052.87704573	3687.40595769706	350.62380374073	3421.77065163557	3422.048860327304	39.70846730531585	84.18917642436918	
93	291353	-310221.1413	983137.3170250766	39.56999467374503	-101.8992578	250964.641788381	4384048.392185188	3688.25450824304	350.4690805425411	3418.6254485292407	3418.6254485292407	39.70766369617067	85.5429264113262	
94	291354	-309561.1413	983137.3170250766	39.57001589729679	-101.8969182	251155.7260060727	4384046.586848055	3689.014247821632	340.115677051364	3416.116642869316	3406.047088927928	39.70648014784804	86.8041640748404	
95	291355	-308801.1413	983137.3170250766	39.57003707565343	-101.8945785	251356.809977432	4384040.13986643	3693.218107288124	350.1636352631165	3412.212758346431	3413.627011993014	39.7058082684919	87.886620648184	
96	291356	-308241.1413	983137.3170250766	39.5700582081492	-101.8922289	251557.8937059917	4384036.013935055	3700.866232508421	350.04898326675	3409.429521365743	3411.071793732654	39.70465796063919	89.06670294841514	
97	291357	-307581.1413	983137.3170250766	39.57007958910524	-101.8898982	251758.9718384452	4384031.888316231	3708.5143872265578	340.5851994365874	3407.5851994365874	3408.5306254076227	39.70395781661881	90.0302525306547	
98	291358	-306921.1413	983137.3170250766	39.57010303522226	-101.8875355	251960.0604168866	4384027.763	3716.12426250274	340.04051358264	3405.009795517832	3406.24367242932	39.70245515904323	90.8004414332598	
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103	291363	-303621.1413	983137.3170250766	39.57020485747724	-101.8758612	252965.427919071	4384007.139174484	3722.681697119055	340.036993767554	3397.012995733588	3399.157965250433	39.6957176632	93.04728728517114	
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107	291367	-300981.1413	983137.3170250766	39.5702876906967	-101.8665025	253769.7865314483	4383980.64187057	3717.170612196604	340.3199547968396	3393.118396562697	3396.079820254673	39.68501558234397	96.8915727157567	
108	291368	-300321.1413	983137.3170250766	39.57030828151501	-101.8641629	253970.8793129396	4383976.52099517	3708.186840696178	340.254003151735	3392.271810568344	3394.004552640483	39.68251956400284	97.9279529124775	
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110	291370	-299001.1413	983137.3170250766	39.5703493756057	-101.8594835	254370.10470382	4383978.25273712	3702.224714731091	340.7811371078	3390.68972	3394.295805808486	39.6776355943597	95.4771959624289	
111	291371	-298341.1413	983137.3170250766	39.57036915697168	-101.857138	254571.198152374808	4383974.152754171	3622.152751192752	340.5212654858063	3389.11291784940494	3392.161787940494	39.6754529296345	96.44529296345	
112	291372	-297681.1413	983137.3170250766	39.5703901923207	-101.8548042	254775.2005458826	4383970.04044721	3605.87447581649	340.770739030177	3388.6579621178378	3389.85679621178378	39.6734478749792	90.172403687422	
113	291373	-297021.1413	983137.3170250766	39.5704105766055	-101.8524645	254976.27963311752	4383965.93863573	3713.93627408823	340.734296362167	3389.2603767251094	3389.2603767251094	39.671403937877	88.2202301	
114	291374	-296361.1413	983137.3170250766	39.5704308730217	-101.8501248	255177.3586995147	4383961.787	3689.396093959597	340.7428981288772	3388.89582021937	3387.8522356646	39.6693391069402	86.5764874023145	
115	291375	-295701.1413	983137.3170250766	39.57045115714785	-101.8477851	255378.4380640725	4383957.665	3685.24532534567	340.731923124927	3389.01319008848	3386.34521103189	39.667303642879	85.0526515890261	
116	291376	-295041.1413	983137.3170250766	39.57047130997574	-101.8454544	255579.5189169773	4383953.54350862	3683.151148330443	340.7184077948804	3388.260872076093	3388.814013287395	39.66527590587	83.0093130066525	
117	291377	-294381.1413	983137.3170250766	39.5704916569181	-101.8431576	255780.59582819873	4383949.226819873	3680.18294330816	340.695373766017	3387.544177834074	3386.522307962938	39.6630784722218	80.4657919629938	
118	291378	-293721.1413	983137.3170250766	39.57051170391898	-101.840768	255981.741	4383945.301282094	3678.059114839429	340.6991339	3386.7273086336	3385.71938698	39.66119181454	77.13619898	
119	291379	-293061.1413	983137.3170250766	39.57053177856085	-101.8384264	256182.7521225034	4383941.180331601	3663.3951899075632	340.6826474226883	3385.9313438908	3382.2562120861253	39.66068150837804	75.806433356503	
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121	291381	-291741.1413	983137.3170250766	39.570571849315314	-101.833747	256584.9076628595	4383932.8996628	3646.86599526562	340.65172209434	3382.396589535954	3381.6677991100714	39.65848324103875	71.944703983627	
122	291382	-291081.1413	983137.3170250766	39.57059180738844	-101.8314073	256785.9805962677	4383928.319611481	3643.608707941681	340.6413812120465	3381.0135966191788	3380.474772683068	39.6571971928576	69.96070367357596	
123	291383	-290421.1413	983137.3170250766	39.5706117202651	-101.8290676	256987.0622	4383924.69874852	3640.6369312291204	340.6126878485674	3380.742539588464	3380.54410628107	39.65647251963097	67.942718565403	
124	291384	-289761.1413	983137.3170250766	39.570631578745904	-101.826778	257188.198152374808	4383920.1801071471	3622.152751192752	340.5212654858063	3380.161787940494	3380.161787940494	39.6542972170997	65.9429296345	
125	291385	-289101.1413	983137.3170250766	39.57065141	-101.8243882	257389.2185014704	4383916.46088266	3615.609059	340.671486226274	337.7083616	3380.0742034086	39.652778183947	63.073774183947	
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127	291387	-287781.1413	983137.3170250766	39.57069091980971	-101.8197088	257791.3680518846	4383908.22251541	3604.605757250655	340.6855068326856	3380.158961482355	3380.0881675403304	39.6496525	58.160654053304	
128	291388	-287121.1413	983137.3170250766	39.57071060704836	-101.8173691	257992.4447377493	4383904.103716756	3605.2358174127567	340.59736825182494	3380.3641872580027	3380.51576160441	39.6470219256	56.8102082	
129	291389	-286461.1413	983137.3170250766	39.57073024840314	-101.8150294	258193.5200334895	4383899.89529932	3605.864059194482	340.5624477274484	3380.3641872580027	3380.51576160441	39.645297219256	54.79043621	
130	291390	-285801.1413	983137.3170250766	39.57074984430565	-101.8126897	258394.5956411344	4383895.968919529	3605.42070078139	340.5510732811673	3380.4204269757233	3380.51576160441	39.64351025593496	52.96870354	
131	291391	-285141.1413	983137.3170250766	39.57076958910524	-101.8103309	258595.7456900465	4383891.75292	3605.70854660245	340.5452368081274	3380.4834314	3380.4834314	39.6417166950474	50.932665175449	
132	291392	-284481.1413	983137.3170250766	39.57078933237786	-101.8081003	258796.72027356214	4383883.5320862	3611.6433055572	340.5452368081274	3380.4834314	3380.4834314	39.640006628593	48.932665175449	
133	291393	-283821.1413	983137.3170250766	39.57080833237786	-101.8056706	258997.8027356214	4383883.5320862	3611.6433055572	340.5452368081274	3380.4834314	3380.4834314	39.638317618294	46.932665175449	
134	291394	-283161.1413	983137.3170250766	39.5708277789457	-101.8033309	259198.8952721552	4383879.35969062	3611.5781361252584	340.5452368081274	3380.48343				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SatHLogKrg.ft	SatHLogKrg.ft
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216	210	214076	-229004.1413	983137.3170250766	36.57226006006336	-101.6114708	175968.21733084118	4383542.51302591	3522.433041513363	335.2679202093916	3218.858669579633	3226.109001620162	14.433905155142303	137.64198701901
217	210	214077	-228881.1413	983137.3170250766	36.57228172435968	-101.609131	175887.2788336627	4383538.628363527	3527.535891276337	336.1452746	3217.99017411329	3220.5577814972382	14.333287854714092	141.0849642981437
218	210	214078	-227721.1413	983137.3170250766	36.57229734	-101.6067192	176088.381122776	43835.68026334102	3532.6460367832012	336.0500667832012	3216.7937471456863	3218.780330165555	14.2737196375828	141.25473176671267
219	210	214079	-227061.1413	983137.3170250766	36.573291271280136	-101.6044514	176269.3831782901	4383530.224848107	3535.8863739057064	335.845183655129	3217.3321688876457	3218.03473218757	14.10730137674832	140.37046046373169
220	210	214080	-226401.1413	983137.3170250766	36.57232844595333	-101.6021116	1762490.438	4383526.174622768	3537.2843871021	335.76630415632134	3214.5991810310857	3213.4532318	14.31716053212772	143.10317232076536
221	210	214081	-225741.1413	983137.3170250766	36.572343092426964	-101.5997178	176691.4926418261	4383522.028317584	3538.6759881713632	335.1001059804876	3212.489523115979	3210.676279	14.21605828648601	144.4238266489576
222	210	214082	-225081.1413	983137.3170250766	36.57235937	-101.597432	176892.5470731063	4383517.38	3540.0751561138	334.742499938886	3210.684136502738	3208.02828559739	14.274066253414814	145.39671647914702
223	210	214083	-224421.1413	983137.3170250766	36.5723747607357	-101.595922	176993.6012284784	4383513.838781267	3541.709632139237	334.78901411329	3210.684136502738	3208.02828559739	14.274066253414814	145.39671647914702
224	210	214084	-223761.1413	983137.3170250766	36.57239010865008	-101.5927524	177254.65518874584	4383509.75180345	3543.58214145154	335.04302661213954	3207.5712767008437	3203.33963559197	14.45212942052	146.6963505217364
225	210	214085	-223101.1413	983137.3170250766	36.57240054132513	-101.5904128	177485.7089330545	4383505.637910184	3545.4551907723814	334.82430457168086	3205.19988871367	3201.10682788597	14.12658702040368	147.2158527375209
226	210	214086	-222441.1413	983137.3170250766	36.5724206880044	-101.5880728	177696.76245653595	4383501.540061136	3547.32797005114	334.596769514013	3202.544209	3198.81035210678	14.0534706734325	147.78327407232126
227	210	214087	-221781.1413	983137.3170250766	36.572438801075975	-101.585733	177897.815762545	4383497.440331188	3546.1067588016	334.86800581533	3202.49753058917	3196.35947277139	14.0734074483317	148.508576390339
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229	210	214089	-220461.1413	983137.3170250766	36.57246617	-101.5810354	178299.9217	4383489.251040539	3537.74619063864	334.338241	3199.80191978196	3194.033962591546	14.1586326943004765	150.751544387855
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233	210	214093	-217821.1413	983137.3170250766	36.5725260552057	-101.5718941	179104.131030333	4383472.867708272	3515.77531920366	333.4499451431855	3193.1150401167194	3175.406164283233	14.1344905	159.054260874622
234	210	214094	-217161.1413	983137.3170250766	36.57254110140925	-101.5693453	179305.18297245	4383468.774274845	3509.511321020694	332.73878289448	3191.737384858167	3170.416241137133	14.10647743263132	162.0245117163375
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237	210	214097	-215181.1413	983137.3170250766	36.572581730294568	-101.5623489	179811.63961651919	4383460.734890025	3500.646192817786	330.7286916139287	3189.223373773788	3182.969737041127	14.01824872949178	142.81180462901966
238	210	214098	-214521.1413	983137.3170250766	36.5726003291482	-101.559995	180109.3877418901	4383452.93316487	3498.37153985217	330.519678151827	3188.510439584144	3184.8712996758473	14.0151426503414	141.0902816335404
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244	210	214104	-210561.1413	983137.3170250766	36.572687574169095	-101.545958	181355.68867719	4383427.817796559	3505.895168476945	331.0196458256974	3191.1756490945	3190.007724220396	14.0151426503414	141.0902816335404
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257	210	214117	-201981.1413	983137.3170250766	36.572871424956144	-101.5154912	183929.033221131	4383374.0149457975	3504.4017563170445	331.393691250803	3189.43848664028	3188.2181947145518	14.0151426503414	141.0902816335404
258	210	214118	-201321.1413	983137.3170250766	36.572885402390065	-101.5131983	184130.3609257549	4383370.551900958	3504.4017563170445	331.393691250803	3189.43848664028	3188.2181947145518	14.0151426503414	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SatHtKgr.f	SatHtBoth.f
339	290	214201	-145651.1413	983137.3170250766	35.737873789318775	-101.3189888	300816.51072487736	4330381.653029849	3352.326791483637	3167.836317813539	3059.943866242146	3052.391403461855	707.88993157132924	115.44491435168402
342	290	214202	-145881.1413	983137.3170250766	35.7386330434929	-101.3166489	301017.54023496474	4330327.1819373366	3350.357205558013	3166.403174967545	3058.8011016651513	3051.5873912512896	707.6230084524169	114.84292624358685
343	290	214203	-145221.1413	983137.3170250766	35.73786372377729	-101.3143499	301218.65695918029	4330283.710345088	3347.7786314484153	3165.425478399487	3059.958921811025	3052.71456921323056	714.02096562428727	114.70296562428727
344	290	214204	-145651.1413	983137.3170250766	35.73903069617267	-101.3116981	301419.59868411315	4330185.763329955	3354.4844718202047	3163.6134574002432	3056.739675822343	3050.4545589501359	707.8777880094055	114.14786790110747
345	290	214205	-143901.1413	983137.3170250766	35.73791374625545	-101.3096292	301620.6276145601	4330315.568514089	3343.189312208994	3162.204024111977	3055.351813	3048.234092	706.8522112668749	113.96993249132765
346	290	214206	-143241.1413	983137.3170250766	35.73923047945614	-101.3072892	301821.6556350565	4330311.49769374	3340.89412508874	3160.796624226498	3054.1491255300257	3046.729609059804	706.4504969664737	114.0164641669411
347	290	214207	-142581.1413	983137.3170250766	35.7379332	-101.3049493	302022.684892662	4330307.4771168	3338.171429737577	3159.403760780841	3052.8008307453924	3045.427404111554	706.6023903344484	113.96993249132765
348	290	214208	-141921.1413	983137.3170250766	35.7394293897795	-101.3026094	302223.7132407509	4330303.37486421	3337.85823775257	3158.0180391113595	3051.487305023703	3043.3674338483118	714.6506032304683	114.6506032304683
349	290	214209	-141291.1413	983137.3170250766	35.7396326659095	-101.3002695	302424.7143561395	4330292.4313314215	3336.589427729728	3156.544558954656	3050.1217817445475	3041.9416336011584	714.02096562428727	114.70296562428727
350	290	214210	-140601.1413	983137.3170250766	35.73796228919555	-101.2972626	302625.7659360266	4330295.217884082	3335.3405614770322	3155.25899518687	3048.795178245174	3042.4704070963003	706.450725494115951	112.8045222329692
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352	290	214212	-139281.1413	983137.3170250766	35.73798145861027	-101.2932498	303027.8246981255	4330287.019162289	3332.406481325694	3152.6236998026643	3045.956161230898	3039.609806098447	706.6673557176627	113.01461370421748
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356	290	214216	-136641.1413	983137.3170250766	35.74019254998476	-101.2838001	303831.9331	4330279.80430301	3328.972385134234	3147.807288314044	3039.62609807414	3037.183166402469534	707.6811894116996	114.4408862894505
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358	290	214218	-135321.1413	983137.3170250766	35.74033788197569	-101.2792103	304233.961020009	4330262.66275963	3324.7545757344	3145.234804	3036.804667289914	3027.559624283235	706.02795761747484	113.8573790476536
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365	290	214225	-130701.1413	983137.3170250766	35.74101615	-101.2628309	305641.165889635	4330234.199	3320.275497169634	3137.301959589945	3025.343088238634	3014.713384317	711.6651007513169	123.6397112165905
366	290	214226	-130041.1413	983137.3170250766	35.7411058176835	-101.260491	305842.190628159	4330230.132799072	3317.6995112716234	3136.190760077757	3024.354593	3013.665814046393	711.7358297611547	122.5054925812638
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371	290	214231	-126741.1413	983137.3170250766	35.7415455004161	-101.2487914	306847.312017584	4330209.80521028	3309.10076824936	3130.6653216210872	3020.4435057090927	3009.4042652043903	711.7358297611547	122.5054925812638
372	290	214232	-126081.1413	983137.3170250766	35.7416320808708	-101.2464514	307048.33595781785	4330205.740360393	3327.135105089626	3129.570498722278	3019.484000537575	3009.4042652043903	711.7358297611547	122.5054925812638
373	290	214233	-125421.1413	983137.3170250766	35.7417182092841	-101.2441115	307249.35652101	4330201.67530415	3325.260124374214	3128.4788088693526	3018.555728935688	3008.769395176157	709.9215915248479	119.7094136931788
374	290	214234	-124761.1413	983137.3170250766	35.741803857286	-101.2417716	307450.38300379494	4330197.61133875	3323.385148148906	3127.380017869585	3018.182618552027	3007.290393175134	709.9215915248479	119.7094136931788
375	290	214235	-124101.1413	983137.3170250766	35.7418911008544	-101.2394317	307651.394019419096	4330185.547128288	3321.973399721714	3126.30370488784	3017.5879002771317	3007.598250684716	709.9215915248479	119.7094136931788
376	290	214236	-123441.1413	983137.3170250766	35.74197338241141	-101.2371017	307852.4291964345	4330183.4291964345	3320.47480952024	3125.21951176304	3017.2281021981	3006.790187367404	709.9215915248479	119.7094136931788
377	290	214237	-122781.1413	983137.3170250766	35.74205820710955	-101.2347518	308053.40654	4330178.49407626	3320.076284683745	3124.370360629374	3017.332734909719	3006.440325588822	711.7358297611547	122.5054925812638
378	290	214238	-122121.1413	983137.3170250766	35.7421421070909	-101.2324119	308254.4746374196	4330181.35676259	3319.12767283567	3123.056021462584	3017.645478335147	3006.440325588822	711.7358297611547	122.5054925812638
379	290	214239	-121461.1413	983137.3170250766	35.74222548721416	-101.230072	308455.4971	4330187.29562744	3317.84256837561	3121.976078385896	3017.46459755178	3006.440325588822	711.7358297611547	122.5054925812638
380	290	214240	-120801.1413	983137.3170250766	35.7423084514151	-101.227732	308656.5192813384	4330183.292	3316.221084638327	3120.89317535488	3016.8730200973996	3006.440325588822	711.7358297611547	122.5054925812638
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382	290	214242	-119481.1413	983137.3170250766	35.742474730237198	-101.2230522	309053.10395475	4330182.10395475	3313.297807506263	3118.714378621165	3016.397397232887	3006.440325588822	711.7358297611547	122.5054925812638
383	290	214243	-118821.1413	983137.3170250766	35.742558318222	-101.220772	309258.6156748	4330178.49407626	3312.47480952024	3117.58130272254	3016.397397232887	3006.440325588822	711.7358297611547	122.5054925812638
384	290	214244	-118161.1413	983137.3170250766	35.74263578789385	-101.218723	309460.60465984	4330178.49407626	3311.641294433253	3116.5				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatElevLogKrg.ft	SatElevBoth.ft
467	290	214327	-63381.14133	9813137.3170250766	39.574779594159345	-101.0241566	326144.76173866476	4382520.581464987	31.25160664560706	2004.0606586881162	2916.1948516376767	2917.6052042191513	88.78840550934925	86.45546257
468	290	214328	-62721.14133	9813137.3170250766	39.57479312645317	-101.0218167	326345.76831211976	4382516.338	31.7517455866585	3002.45393853333	2917.755934134485	2918.645958991463	83.00534346187018	81.00534346187018
469	290	214329	-62061.14133	9813137.3170250766	39.57478126359275	-101.0194767	326466.2747166591	4382512.84	31.8289427110625	3009.2819438439329	2918.98912715006	2919.757427015377	81.8480823817173	81.09116378893593
470	290	214330	-61401.14133	9813137.3170250766	39.574792413997076	-101.0171368	326547.7607905212	4382504.45009483	31.8339035835562	2909.44849039512	2919.87100280043	2920.4545773724626	79.754623206932	78.8027713704962
471	290	214331	-60741.14133	9813137.3170250766	39.5747696686881	-101.0147968	326698.7871927385	4382504.474609903	31.82797951163186	2907.6550415454963	2920.47303760996	2920.7863304855587	77.1819676185104	76.86871106
472	290	214332	-60081.14133	9813137.3170250766	39.57480073	-101.0124568	327149.79291747416	4382500.36480151	31.83166649474	2906.08191529216	2920.5930233000535	2921.013519261916	75.4751681821942	75.05467231105064
473	290	214333	-59421.14133	9813137.3170250766	39.57480482699776	-101.0101169	327350.798648276	4382496.32126269	31.8315821329639	2904.4881733867346	2920.703453706742	2920.937622427217	73.7841967999258	73.49055114041745
474	290	214334	-58761.14133	9813137.3170250766	39.57480887425566	-101.0077769	327551.8042103979	4382492.279601741	31.8291375229693	2902.915563552773	2920.388598071816	2921.354683993923	72.5269548346128	71.560805115601419
475	290	214335	-58101.14133	9813137.3170250766	39.5748126359275	-101.0054369	327752.8096	4382486.27343147	31.8267655566508	2901.3506489863457	2919.630502167173	2921.2051167299404	71.43302736826243	70.14536878893593
476	290	214336	-57441.14133	9813137.3170250766	39.57481683315843	-101.003007	327953.8146328478	4382484.15541261	31.816059560208	2900.732574242597	2918.935654456969	2920.864259	70.859017783295	69.8294147551751
477	290	214337	-56781.14133	9813137.3170250766	39.57482074480326	-101.00075	328154.8189926516	4382480.15361478	31.8234521532089	2908.20417419705	2918.179064726571	2920.476380465123	70.0110947053065	69.7378815
478	290	214338	-56121.14133	9813137.3170250766	39.57482461124374	-100.998417	328355.2427853213	4382476.11203671	31.815841479994106	2906.692432808457	2917.3275925150388	2919.8304682623105	69.3649402341864	68.7196454524688
479	290	214339	-55461.14133	9813137.3170250766	39.57482843247861	-100.9960771	328556.82561103384	4382470.7076187	31.8166998905916	2905.148972325782	2916.4394589492277	2919.263906	68.7094836	68.85806603978203
480	290	214340	-54801.14133	9813137.3170250766	39.57483205811552	-100.9937371	328757.834070043	4382468.02934667	31.82040711833662	2903.6091978206055	2915.54628876153	2919.4841551876306	68.002909487168	67.1150426304687
481	290	214341	-54141.14133	9813137.3170250766	39.57483595933882	-100.9913971	328958.83866424343	4382460.88812123	31.82033454587964	2902.672394201627	2914.68139999215	2919.473706849218	67.3900952094128	66.42488675920528
482	290	214342	-53481.14133	9813137.3170250766	39.57483940494504	-100.9890572	329159.8426854174	4382459.94700822	31.8206651930205	2900.573727318152	2913.767358719661	2915.290903416254	66.8613685498166	65.2386339
483	290	214343	-52821.14133	9813137.3170250766	39.5748433538018	-100.9867172	329360.864785185	4382455.97404492	31.8207666935047	2909.004251763187	2913.51637799018	2915.038379656035	65.8678737	65.0008721895168
484	290	214344	-52161.14133	9813137.3170250766	39.57484686059428	-100.9843772	329561.85064257873	4382451.8671195181	31.82174578530692	2907.470928562324	2912.51377600051565	2913.281612	64.9331652116732	64.18931696128402
485	290	214345	-51501.14133	9813137.3170250766	39.57485041	-100.9820373	329762.8543709242	4382447.827112033	31.8220901107246	2907.356655730392	2912.145533695883	2912.81494512111	63.8219236003693	63.09470621828086
486	290	214346	-50841.14133	9813137.3170250766	39.574853315409136	-100.9796973	329963.85793737627	4382443.78275706	31.82404316794063	2907.4403148105935	2911.902678253678	2912.3124740518	62.819276550615495	62.07906741
487	290	214347	-50181.14133	9813137.3170250766	39.574857370509096	-100.9773573	330164.8631312986	4382439.74777694	31.834892497087113	2907.2860832107873	2911.6155484851905	2911.525417103137	61.24528371460656	61.33541506894944
488	290	214348	-49521.14133	9813137.3170250766	39.5748607694062	-100.9750714	330365.8645637382	4382436.780628297	31.83100564187293	2907.31713717058143	2910.91320975999	2911.5710791036252	60.4030373	59.746944186962495
489	290	214349	-48861.14133	9813137.3170250766	39.57486384494504	-100.972578	330566.86718112861	4382433.676918128	31.8333694	2906.25484904817	2910.9326191446461	2911.6320191446461	59.81156815571914	58.91156815571914
490	290	214350	-48201.14133	9813137.3170250766	39.574867482555546	-100.9703234	330767.8705341528	4382431.303166901	31.8263313417765	2906.8295950382	2910.767591375204	2911.381213318221	59.4711987351428	58.68717349
491	290	214351	-47541.14133	9813137.3170250766	39.57487017336851	-100.9679795	330967.8722753583	4382423.591434855	31.827573384485	2906.63469	2910.013274839082	2910.766614	58.61019454367806	55.8586579309979
492	290	214352	-46881.14133	9813137.3170250766	39.5748739	-100.9656575	331169.8754665196	4382415.55221478	31.8216695106937	2905.03527	2908.592124069426	2909.38795817964	58.4413456680396	55.64674918562644
493	290	214353	-46221.14133	9813137.3170250766	39.57487718	-100.9633175	331370.87826661	4382411.542921166	31.82363291390776	2906.167837781019	2906.393461059387	2907.267801321355	55.49621808349856	55.49621808349856
494	290	214354	-45561.14133	9813137.3170250766	39.57488032649054	-100.9609776	331571.88005267985	4382411.47655189	31.821077073102	2906.18253157604227	2903.37103639567	2904.345621629288	54.88420945146599	54.77499413113469
495	290	214355	-44901.14133	9813137.3170250766	39.57488358089645	-100.9586376	331779.8265540636	4382407.43898512	31.8233694	2906.205516831693	2903.683831477696	2904.345621629288	54.88420945146599	54.77499413113469
496	290	214356	-44241.14133	9813137.3170250766	39.57488677167	-100.9562576	331973.840543826	4382403.40105909	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
497	290	214357	-43581.14133	9813137.3170250766	39.57488948477218	-100.9536376	332174.886205157	4382399.33634619	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
498	290	214358	-42921.14133	9813137.3170250766	39.574892447123744	-100.9516177	332375.88783110625	4382393.32640069	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
499	290	214359	-42261.14133	9813137.3170250766	39.57489536427077	-100.9492777	332576.88828306755	4382391.28944359	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
500	290	214360	-41601.14133	9813137.3170250766	39.574898236213327	-100.9469377	332777.8905503997	4382387.25928709	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
501	290	214361	-40941.14133	9813137.3170250766	39.574901062951255	-100.9445878	332978.891655001	4382383.21544885	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
502	290	214362	-40281.14133	9813137.3170250766	39.574903894449054	-100.9422578	333179.8929728016	4382379.17982849	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
503	290	214363	-39621.14133	9813137.3170250766	39.574906750811057	-100.9399178	333380.89437860415	4382375.173293093	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
504	290	214364	-38961.14133	9813137.3170250766	39.57490971939404	-100.9375779	333581.894097448	4382371.107837737	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
505	290	214365	-38301.14133	9813137.3170250766	39.574911971852004	-100.9352379	333782.8945547646	4382367.0170431	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
506	290	214366	-37641.14133	9813137.3170250766	39.57491451857447	-100.9328979	333983.894805615	4382363.03671284	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
507	290	214367	-36981.14133	9813137.3170250766	39.5749170519337	-100.9305579	334184.894853518	4382359.001	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
508	290	214368	-36321.14133	9813137.3170250766	39.5749195439173	-100.928218	334385.8949597017	4382354.9648139	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
509	290	214369	-35661.14133	9813137.3170250766	39.574922038909645	-100.925878	334586.895097472	4382349.92849818	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469
510	290	214370	-35001.14133	9813137.3170250766	39.5749244938999	-100.923538	334787.8944238557	4382345.787116625	31.824034105909	2906.21035303843	2903.7481990747292	2904.345621629288	54.88420945146599	54.77499413113469</

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLog.ft	SatHtBoth.ft
589	290	214453	19778.8586730335	983137.3170250766	35.74967734316335	-100.7293021	351470.326396477	4382012.789521824	2890.179111256136	2822.656215139663	2741.941486401445	2747.74839453826	70.37372874	64.9282609
594	290	214454	20438.8586730335	983137.3170250766	35.749663013682	-100.7298001	351671.3123842141	4382008.773929313	2888.85657533182	2811.657484529282	2740.367141833232	2747.859976218754	71.357103465016	63.798310527974
596	290	214455	21098.8586730335	983137.3170250766	35.74964967837208	-100.7244601	351672.2998411225	4382004.7523448093	2888.194873385473	2833.922869782223	2738.581483948277	2750.450089382637	72.042193044628	60.093567845499
596	290	214456	21758.8586730335	983137.3170250766	35.7496346993322	-100.7220002	350793.2866606832	4380001.741505855	2891.070676174594	2809.50384584782	2738.428530067474	2745.951752044375	73.141855369682	63.60863614102875
597	290	214457	22218.8586730335	983137.3170250766	35.74961850720444	-100.7199602	352274.2730777076	4381996.725940287	2892.8843058509835	2808.495432731225	2734.0202745716674	2738.6286242047917	74.4751581604507	68.685900525733082
598	290	214458	22768.8586730335	983137.3170250766	35.749603891101	-100.7176202	352475.2590447349	4381990.751900283	2894.803730845114	2807.396055903446	2731.284437450994	2737.6618234206715	75.1162853091476	73.12239644277
599	290	214459	23738.8586730335	983137.3170250766	35.74957895959292	-100.7152802	352676.2455901358	4381988.695475308	2896.54401056202	2806.2693762549357	2729.014878381088	2729.5214071438744	75.742381961047	76.741274801106129
600	290	214460	24398.8586730335	983137.3170250766	35.74957147070294	-100.7129403	352877.2316334763	4381984.6805483325	2897.012501036217	2805.112312386982	2728.102983449673	2728.5951684294672	76.009324021467	75.56026813781991
601	290	214461	25098.8586730335	983137.3170250766	35.74955453242855	-100.7106803	353078.2175349628	4381980.858477197	2898.59782165841	2803.922869782223	2728.5816919368877	2730.307025819137	76.35694159086931	75.1618382047269
602	290	214462	25718.8586730335	983137.3170250766	35.7495371411094	-100.7082603	353279.2032460077	4381975.651369733	2894.125432248006	2802.691724649815	2728.7091177100177	2730.505519447819	77.29000069496378	72.02525301763025
603	290	214463	26378.8586730335	983137.3170250766	35.7495183027433	-100.7058203	353480.18891819644	4381972.6371097155	2892.129720031282	2801.436627913138	2728.33531305815	2730.256574680836	77.119733045552	71.179733045552
604	290	214464	27038.8586730335	983137.3170250766	35.7495010093311	-100.7035804	353681.17439035633	4381964.630677115	2888.613449574676	2801.31596885936	2728.678575178366	2729.5713171806684	77.415032147	70.60042518190721
605	290	214465	27698.8586730335	983137.3170250766	35.7494822638725	-100.7012404	353882.159724836	4381958.620924708	2885.09177	2798.780851	2727.8474846457158	2727.0994009608135	77.4033627	68.1359662958
606	290	214466	28358.8586730335	983137.3170250766	35.7494630636778	-100.6989004	354083.1442178673	4381950.65937697	2879.3809366495336	2727.032648	2725.5794932131	2725.481889326357	77.4033627	70.18130432
607	290	214467	29018.8586730335	983137.3170250766	35.7494434168171	-100.6965604	354284.2176946888	4381946.562249673	2877.58391471	2797.5886587867213	2726.405135247876	2725.939681819524	76.9831442623372	71.3391948682887
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611	290	214471	31658.8586730335	983137.3170250766	35.749360281528	-100.6872005	355088.0689311043	4381940.530877238	2860.74801285897	2789.57431571024	2721.076605510343	2720.3808503003024	76.9831442623372	69.19458172072196
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619	290	214479	36938.8586730335	983137.3170250766	35.74917424	-100.6684808	356695.9378195107	4381908.43892399	2836.503914	2695.7902561951237	2696.18674881714	2696.18674881714	70.0144134050908	66.71578953827243
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621	290	214481	38258.8586730335	983137.3170250766	35.74912085926149	-100.6638086	357097.960950797	4381900.418	2834.785067773893	2769.326847173893	2689.336847173893	2689.336847173893	70.0144134050908	65.189133110018837
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627	290	214487	42218.8586730335	983137.3170250766	35.74895849517196	-100.649761	358303.805252975	4381876.362522975	2825.30148725506	2754.6984725506	2674.6984725506	2674.6984725506	70.0144134050908	60.78525442424457
628	290	214488	42878.8586730335	983137.3170250766	35.748932692975	-100.647421	358504.784057587	4381872.4319293	2824.35191429035	2752.261327141	2673.261327141	2673.261327141	70.0144134050908	59.9831442623372
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631	290	214491	44858.8586730335	983137.3170250766	35.74885362	-100.6404011	359107.7297374025	4381860.34263473	2820.35976160018	2745.35976160018	2670.274804406145	2670.274804406145	70.0144134050908	57.7829196909876
632	290	214492	45518.8586730335	983137.3170250766	35.7488263215575	-100.6380612	359308.7113	4381856.31366147	2820.844681	2743.1642616147496	2670.223564576443	2670.223564576443	70.0144134050908	57.0419743108405
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634	290	214494	46838.8586730335	983137.3170250766	35.7487742005403	-100.6333812	359710.6741	4381848.30136825	2820.72126039677	2738.860595773982	2670.5982558934	2670.5982558934	70.0144134050908	55.54220470074149
635	290	214495	47498.8586730335	983137.3170250766	35.74875092681956	-100.6310412	359911.6366363227	4381844.12081794	2820.654046128455	2736.9454046128455	2670.4892198852	2670.4892198852	70.0144134050908	54.798310527974
636	290	214496	48158.8586730335	983137.3170250766	35.7487269	-100.6287103	360112.6341678425	4381840.37784485	2820.593780065746	2734.7112971769	2670.249045051626	2670.2490450		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatBothKrg.ft	SatBothht.ft
70	214579	103598.85867307335	983137.3170250766	36.57443821338555	-100.4344849	36793.61959998735	381508.4600487575	2763.897318987464	2671.0867154038056	2575.8013216120057	2576.126567291472	37.28539319484854	36.96014811237865	
720	214580	103598.85867307335	983137.3170250766	36.5744311140354164	-100.423145	37694.58648881596	381505.40147	2752.996011190954	2671.446645811148	2572.55024647644146	2573.0034607910848	38.90640265033526	38.45318962304535	
721	214581	104258.85867307335	983137.3170250766	36.57440422241913	-100.28805	377165.5586805953	381500.46393061	2752.12863943817	2569.815473298032	2569.4860932347707	2570.8110654040248	40.33497874553388	38.8097474533388	
722	214582	104580.85867307335	983137.3170250766	36.57441685868048	-100.427465	377396.521153313	381496.454295975	2765.3087155907338	2608.1635907111054	2566.6452914164333	2567.2591393102849	41.5120929567202	40.90446681820604	
723	214583	105578.85867307335	983137.3170250766	36.574409650038234	-100.4251251	377597.49272533862	381482.506097073	2767.508948658045	2606.8015753252364	2564.5511879669293	2564.783027303934	41.950387358307125	41.71854802126245	
724	214584	106238.85867307335	983137.3170250766	36.5744003619243	-100.4227852	377798.46727476065	381485.115515104	2765.753077159044	2604.830141037962	2561.828716	2562.450713093063	42.37939110032605	42.3793911473327	
725	214585	106888.85867307335	983137.3170250766	36.57439509714304	-100.4204453	377999.43719883156	381484.50422854	2763.924776258274	2603.1495273792864	2559.535981097789	2560.7393047510662	43.15802848147956	42.770226202219	
726	214586	107558.85867307335	983137.3170250766	36.57438775289011	-100.4181053	378200.46983798154	381480.543	2762.941233771531	2601.495928490267	2557.301205051127	2558.833691733692	44.15870786514548	42.62262171688741	
727	214587	108238.85867307335	983137.3170250766	36.57438063433626	-100.4157564	378401.37847171413	381478.5585162875	2760.99555627081	2599.8154703659107	2555.4430723749847	2557.05854771231325	44.18431843844947	42.678827277822	
728	214588	108878.85867307335	983137.3170250766	36.57437292873362	-100.413254	378602.3467198373	381472.559	2759.259867719337	2598.50406393188	2553.757386420443	2555.34189701834	44.20966712176334	42.712728733396	
729	214589	109538.85867307335	983137.3170250766	36.57435644891011	-100.4110855	378803.3156406211	381468.581677297	2759.524177336796	2596.363696106166	2552.211962040684	2553.798338393725	44.21677055466236	42.73678476	
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731	214591	110858.85867307335	983137.3170250766	36.57435035	-100.4064056	379205.2541781985	381460.86080508	2757.11962270011657	2584.85720041744727	2550.91290528651445	2551.072513169307	44.85278987958215	42.85278987958215	
732	214592	111518.85867307335	983137.3170250766	36.574342730896336	-100.4040657	379406.2232745014	381452.62393535	2754.517544551091	2581.124871	2547.200448474911	2547.948254648847	44.92442227266833	43.1766257195134	
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736	214596	114158.85867307335	983137.3170250766	36.57431182416838	-100.394706	380210.0985146073	381444.67721991	2742.976511979619	2582.331369759587	2536.828491890964	2536.86643047062	44.2026978696828	47.16440593	
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739	214599	116138.85867307335	983137.3170250766	36.57428916408502	-100.3878662	380810.033407481	381428.742993410	2733.382423466374	2578.5854841737476	2528.094108768997	2529.69198715471	50.4097373944775	50.8934920259642	
740	214600	116798.85867307335	983137.3170250766	36.5742801663638	-100.3853462	381013.0719324086	381424.74051482	2730.980177175019	2576.459666317588	2522.38500749159	2521.8913412459215	54.86456291473787	54.86456291473787	
21	214601	380491.1413	983797.3170250766	36.5699414413	-102.02841	323872.4450330223	381424.74051482	2730.980177175019	2576.459666317588	2522.38500749159	2521.8913412459215	54.86456291473787	54.86456291473787	
2	214602	370281.1413	983797.3170250766	36.5696899352015	-102.1121931	323659.01205045	381426.15291005	2736.373380430396	2567.7191045	2533.675345879107	2531.64245428705	60.042510373358	56.0760989562519	
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4	214604	368961.1413	983797.3170250766	36.5697373188445	-102.107514	323061.2932345788	3814617.85954593	2723.954128880534	2562.648946424576	2563.860754720167	2565.525357502929	60.042510373358	58.15906692164344	
5	214605	368301.1413	983797.3170250766	36.56976277827823	-102.1051744	323262.0402958884	381431.713193725	2732.1754241135377	2566.6640640628107	2566.964704385986	2565.511471485377024	62.262791727641874	62.262791727641874	
6	214606	367641.1413	983797.3170250766	36.569787973479685	-102.1238348	323463.50647023413	381460.950764575	2730.63024783625	2567.617100033698	2567.49791411662294	2567.9683883886057	54.17306815866841	54.17306815866841	
7	214607	366981.1413	983797.3170250766	36.56981514	-102.1004858	323664.6126467228	381452.63804179	2731.915529611298	2589.367900611668	2545.248324316652	2546.348373466643	52.71508183680866	52.71508183680866	
8	214608	366321.1413	983797.3170250766	36.5698324035505	-102.0981556	323801.75474505	381452.63804179	2731.915529611298	2589.367900611668	2545.248324316652	2546.348373466643	51.567301000274	51.567301000274	
9	214609	365661.1413	983797.3170250766	36.56986831192973	-102.0958161	324066.62408048	3814597.13011599	2709.771385409099	2571.09398844004	2566.186031386126	2566.5026839570	60.042510373358	60.042510373358	
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11	214611	364341.1413	983797.3170250766	36.5699133760066	-102.0911369	324469.0471521754	381458.839763211	2724.083451651283	2561.23260865481	2567.462603307118	2566.20983903714	46.77005524149224	48.02361485114716	
12	214612	363681.1413	983797.3170250766	36.56993823764723	-102.0887973	324670.1395740076	381454.8495	2716.347545477164	2561.7631332111587	2567.553274710997	2566.383558	45.20960740589496	45.20960740589496	
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14	214614	362261.1413	983797.3170250766	36.56998781621628	-102.0841181	325072.3485030223	381452.63804179	2716.347545477164	2561.7631332111587	2567.553274710997	2566.383558	45.20960740589496	45.20960740589496	
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16	214616	361041.1413	983797.3170250766	36.570037505095555	-102.0794389	325474.556380239	381456.11803173	2719.62352885942	2560.953125671407	2566.303750053044	2566.552744496478	40.64935761386776	40.64935761386776	
17	214617	360381.1413	983797.3170250766	36.57006221	-102.0770993	325675.6888227382	381456.6374	2718.542532722586	2560.516969747766	2563.97918903891	2563.97918903891	41.5360771388554	41.5360771388554	
18	214618	359721.1413	983797.3170250766	36.5700866887936	-102.0747597	325876.76321263198	381459.83000807	2717.218379	2560.043108264031	2561.288505908755	2561.903961560014	42.8045176	42.8045176	
19	214619	359061.1413	983797.3170250766	36.57011148257368	-102.0724021	326077.866235706	381455.68769114	2719.217363430493	2562.678035342247	2568.4124586427542	2568.4124586427542	43.361570978916777	43.361570978916777	
20	214620	358401.1413	983797.3170250766	36.570136051000404	-102.0700405	326276.9688505496	381455.14461034	2719.217363430493	2562.678035342247	2568.4124586427542	2568.4124586427542	44.485049182185054	44.485049182185054	
21	214621	357741.1413	983797.3170250766	36.570160552050955	-102.0678133	326477.9185031296	381455.14461034	2719.217363430493	2562.678035342247	2568.4124586427542	2568.4124586427542	45.6917305740266	45.6917305740266	
22	214622	357081.1413	983797.3170250766	36.570185052050955	-102.0654103	326681.717532932	381455.14461034	2719.217363430493	2562.678035342247	2568.4124586427542	2568.4124586427542	46.907179492453	46.907179492453	
23	214623	356421.1413	983797.3170250766	36.57020948543414	-102.0630617	326882.2571329748	381459.8391166905	2717.740605685796	2559.1266459905055	2563.74154130508247	2563.74154130508247			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVElevKgr.f	BREVEbothKgr.f	SurfToBoth.f	
105	291475	-302031.1413	983797.3170250766	983797.3170250766	-35.72059918877077	-101.8712086	253371.7700524524	4384200.20493718	3708.236371550777	3828.123767676353	3393.3364397105424	3987.074682339109	91.78732796581062	87.04908537324292
106	291476	-301641.1413	983797.3170250766	983797.3170250766	-35.7207967	-101.8688689	253372.851709773824	4384156.0786159544	3706.983139711144	3828.05905209386	3393.017387709012	3987.033934531451	90.68067150007164	85.760700
107	291477	-300921.1413	983797.3170250766	983797.3170250766	-35.7210035348	-101.8665291	253373.93118977423	4384191.9548467671	3704.817831212113	3827.980168048	3392.903449652544	3987.00476363246	89.89211328481962	84.6768665580196
108	291478	-300321.1413	983797.3170250766	983797.3170250766	-35.72110983994	-101.864184	253375.01245832495	4384187.832	3702.14058326919	3826.853438349603	3391.5024055655234	3986.671398314284	89.236072393599	84.2140640003198
109	291479	-299661.1413	983797.3170250766	983797.3170250766	-35.7214164454883	-101.8618497	254176.09277374714	4384183.70833129	3699.6632353276805	3479.498839824256	3390.894777977955	3983.493468239053	88.60406164300791	85.64927171
110	291479	-299001.1413	983797.3170250766	983797.3170250766	-35.7216214550135	-101.8595099	254377.12624642657	4384175.853446685	3687.15886732824	3478.125776950533	3391.738236650798	3982.74024150297356	88.3924150297356	85.3875170287144
111	291479	-298341.1413	983797.3170250766	983797.3170250766	-35.7218260125684	-101.8571702	254578.25267602937	4384175.46281367	3694.52800023294	3476.7665900902324	3389.497338336608	3982.585488138577	87.2692554629133	84.18110737325228
112	291479	-297681.1413	983797.3170250766	983797.3170250766	-35.72203011815354	-101.8548305	254579.332623002	4384170.40204018	3691.689632539554	3475.421131593698	3389.072154790754	3980.0415378148627	86.194468023413	85.347917788358
113	291479	-297021.1413	983797.3170250766	983797.3170250766	-35.72223677176854	-101.8524897	254580.4116082655	4384167.71272113	3689.8512464769576	3474.990707805537	3388.021843947026	3980.0415378148627	85.686325851173	84.671998025637
114	291479	-296361.1413	983797.3170250766	983797.3170250766	-35.72243897341133	-101.850151	255149.10791131148	4384163.05624348	3688.0128507552434	3472.77304139291	3388.884475637102	3980.0415378148627	85.885857719808	83.9246093032228
115	291479	-295701.1413	983797.3170250766	983797.3170250766	-35.7226337230869	-101.8478112	255382.56957210528	4384163.97496115	3682.0554911380915	3471.470206673581	3388.924632002763	3980.0415378148627	85.4563375450462	82.77400329742494
116	291479	-295041.1413	983797.3170250766	983797.3170250766	-35.7228240207893	-101.8454715	255583.6481913905	4384154.58064455	3676.991810560246	3470.1817330119343	3389.37862430546	3980.0415378148627	85.002775183812	81.0476524049395
117	291479	-294381.1413	983797.3170250766	983797.3170250766	-35.7230343666204	-101.8431318	255784.7266915278	4384150.730664535	3671.920416233337	3468.907481473158	3390.201211167287	3980.0415378148627	84.6727203508702	79.0302124048226
118	291479	-293721.1413	983797.3170250766	983797.3170250766	-35.72324253	-101.840792	255985.804056833	4384146.49045608	3666.85617158043	3467.64747319379	3391.424955419905	3980.0415378148627	84.26221799941841	76.413511683626
119	291479	-293061.1413	983797.3170250766	983797.3170250766	-35.72344620216526	-101.8384523	256186.88270114438	4384142.48849874	3663.33592298583	3466.041465762857	3390.240214889674	3980.0415378148627	83.8320120587637	76.090437485137
120	291479	-292401.1413	983797.3170250766	983797.3170250766	-35.723646919786	-101.8361125	256387.9603574374	4384138.36770594	3652.35615324288	3465.169913188303	3393.115717224133	3982.58415566767	82.05833595	82.6054076202618
121	291479	-291741.1413	983797.3170250766	983797.3170250766	-35.7238467298187	-101.8337728	256589.0378	4384134.247164885	3644.37841908447	3463.952164762927	3375.2151346372993	3981.431358637192	81.70301012562783	80.5208616230744
122	291479	-291081.1413	983797.3170250766	983797.3170250766	-35.72404531565824	-101.831433	256790.114943178	4384130.126843465	3638.401131388247	3462.748277112419	3376.187912048194	3980.0415378148627	81.5294895123326	79.5622220412789
123	291479	-290421.1413	983797.3170250766	983797.3170250766	-35.7242454485759	-101.8290933	256991.1918746272	4384126.06745515	3628.91468786445	3461.558115402264	3362.794712803597	3981.622882573237	80.763026	99.93528687490418
124	291479	-289761.1413	983797.3170250766	983797.3170250766	-35.7244441314959	-101.826735	257192.2686596342	4384121.88686962	3621.8418061594	3460.3418061594	3358.18955479536	3980.0415378148627	80.5294895123326	102.1206211363826
125	291479	-289101.1413	983797.3170250766	983797.3170250766	-35.7246423614395	-101.8244138	257393.3420301482	4384117.767	3619.54291687119	3459.212889159748	3356.04904904205	3980.0415378148627	80.1948005654255	101.1071290988161
126	291479	-288441.1413	983797.3170250766	983797.3170250766	-35.7248401394078	-101.822074	257594.4213267615	4384113.64784022	3617.927037174466	3458.0415378148627	3354.196215112376	3980.0415378148627	79.85629743915534	100.38027211251915
127	291479	-287781.1413	983797.3170250766	983797.3170250766	-35.72503811454	-101.8197424	257795.46178374297	4384109.584784297	3616.7168054394	3457.0158983498	3352.01615093526	3980.0415378148627	79.61150826584	124.1007846859738
128	291479	-287121.1413	983797.3170250766	983797.3170250766	-35.7252343394179	-101.817395	257950.5729421943	4384105.40958293	3615.54246375493	3455.735845056523	3357.62808304471	3980.0415378148627	79.362112835357	124.0977362516575
129	291479	-286461.1413	983797.3170250766	983797.3170250766	-35.7254307614588	-101.8150547	258197.6484423257	4384101.29680925	3614.604354154736	3454.586808769371	3355.69184855614	3980.0415378148627	79.1103676205189	124.0977362516575
130	291479	-285801.1413	983797.3170250766	983797.3170250766	-35.7256267315228	-101.812715	258398.7237	4384097.127227766	3613.644567079784	3453.484296160117	3353.528276510768	3980.0415378148627	78.9201531025437	124.0977362516575
131	291479	-285141.1413	983797.3170250766	983797.3170250766	-35.725822249698	-101.8103752	258599.7897183455	4384093.035954625	3612.52295882735	3452.32295882735	3350.34136073955	3980.0415378148627	78.730212348651	124.0977362516575
132	291479	-284481.1413	983797.3170250766	983797.3170250766	-35.7260173157197	-101.8080354	258800.873496686	4384089.33586018	3611.40027180067	3451.208004408866	3348.651071237685	3980.0415378148627	78.5347933897349	124.0977362516575
133	291479	-283821.1413	983797.3170250766	983797.3170250766	-35.72621216496518	-101.805695	259001.948880913	4384085.17878584	3610.2716805439	3450.0415378148627	3346.850112128347	3980.0415378148627	78.338212128347	124.0977362516575
134	291479	-283161.1413	983797.3170250766	983797.3170250766	-35.72640925976	-101.8033375	259203.0224497078	4384081.7032277575	3609.130500024307	3449.0415378148627	3344.015218191498	3980.0415378148627	78.1397191371492	100.1177953265197
135	291479	-282501.1413	983797.3170250766	983797.3170250766	-35.72660960218084	-101.8010161	259404.0964113615	4384076.58289109	3608.7518383581296	3447.934255083417	3336.711132894025	3980.0415378148627	77.94336353420081	111.22339261585421
136	291479	-281841.1413	983797.3170250766	983797.3170250766	-35.7268103603773	-101.7986784	259605.17024018608	4384072.465677438	3607.8418416296	3446.865572719647	3335.5347837319057	3980.0415378148627	77.753412711514	113.3343412711514
137	291479	-281181.1413	983797.3170250766	983797.3170250766	-35.726988566594	-101.796336	259806.2438316524	4384068.34827338	3606.9341271463	3445.8069106029952	3330.5502085613864	3980.0415378148627	77.5544129838	115.3049024160878
138	291479	-280521.1413	983797.3170250766	983797.3170250766	-35.72717822083026	-101.7939968	260071.3711859667	4384064.219601071	3606.1624474732604	3444.755308976363	3327.582636	3980.0415378148627	77.35925438612	117.2575100361474
139	291479	-279861.1413	983797.3170250766	983797.3170250766	-35.72737012038964	-101.7916517	260208.3003033378	4384060.1157342215	3605.420172594685	3443.708944585723	3324.866321057147	3980.0415378148627	77.1648259404286	119.98462742174575
140	291479	-279201.1413	983797.3170250766	983797.3170250766	-35.7275617123684	-101.789317	260409.4613359075	4384055.9050308	3604.6716805439	3442.6716805439	3323.01615093526	3980.0415378148627	76.96115082658	124.1007846859738
141	291479	-278541.1413	983797.3170250766	983797.3170250766	-35.7277527167577	-101.786975	260610.5368284654	4384051.8829494	3603.91319993548	3441.637530260548	3320.5672970772	3980.0415378148627	76.76115082658	124.1007846859738
142	291479	-277881.1413	983797.3170250766	983797.3170250766	-35.7279431179788	-101.7846377	260811.6803251094	4384054.767068356	3603.30953905249676	3440.60723268722	3319.0613957338496	3980.0415378148627	76.56115082658	124.1007846859738
143	291479	-277221.1413	983797.3170250766	983797.3170250766	-35.7281332123127	-101.782298	261012.6804074505	4384043.54110504	3602.029790416	3439.580580824696	3317.751452297248	3980.0415378148627	76.36115082658	124.1007846859738
144	291479	-276561.1413	983797.3170250766	983797.3170250766	-35.7283228546648	-101.7799582	261213.7524317273	4384039.354970493	3601.1533218545	3438.5561900451385	3316.4945685120132	3980.0415378148627	76.16115082658	124.1007846859738
145	291479	-275901.1413	983797.3170250766	983797.3170250766	-35.7285120540365	-101.7776814	261414.8204318417	4384035.42076191	3600.28392429563	3437.532572209967	3315.608343039545	3980.0415378148627	75.96115082658	124.1007846859738
146	291479	-275241.1413	983797.3170250766	983797.3170250766	-35.7287007842221	-101.775378	261615.8950709719	4384031.305767897	3600.41054371958	3436.50823018327	3314.4804553811024	3980.0415378148627	75.76115082658	124.10078468

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogK87	BR/ElevBothK87	SatHtLogK87	SatHtBothK87
21	291	141831	-219141.1413	98379.73170250766	35.57430915136706	-101.5736931	278706.1312611612	4338362.34169338	3522.9713171025064	3337.182140757579	3196.127440526193	3181.054912803962	145.00470023138605	156.17222793631697
232	291	141832	-218481.1413	98379.73170250766	35.574324138029034	-101.5740532	278907.1832435407	433678.24575203	3515.796328300459	3335.4671091117486	3193.462065040065	3176.254569	142.00502460774012	159.21524059728654
233	291	141833	-217821.1413	98379.73170250766	35.5743261944995	-101.571133	279195.080073712	4336374.15004191	3515.796328300459	3335.4671091117486	3193.462065040065	3176.254569	142.00502460774012	159.21524059728654
234	291	141834	-217161.1413	98379.73170250766	35.57433579574973	-101.5693735	27909.2896	433670.5540540808	3504.455240329997	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
235	291	141835	-216501.1413	98379.73170250766	35.5743368268035	-101.5670336	279510.337884083	433661.96924750	3490.05210053202	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
236	291	141836	-215841.1413	98379.73170250766	35.5743363266535	-101.5646837	279711.388998918	433665.95224710	3498.49546676410	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
237	291	141837	-215181.1413	98379.73170250766	35.5743383322206	-101.5623538	279912.439	433667.76939349	3496.58124376056	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
238	291	141838	-214521.1413	98379.73170250766	35.5744131087711	-101.560014	280113.49057244475	433653.617485014	3496.58124376056	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
239	291	141839	-213861.1413	98379.73170250766	35.57442777903085	-101.5576186	280314.541038005	433649.580387778	3498.161219117701	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
240	291	141840	-213201.1413	98379.73170250766	35.5744424040331	-101.5553242	280515.5912821654	433645.48237408	3498.161219117701	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
241	291	141841	-212541.1413	98379.73170250766	35.57445698334446	-101.5529943	280716.61431370105	433641.3925204075	3500.9616411226	3330.375637949545	3188.907446821717	3173.835942772253	141.4502267283683	151.8204797231998
242	291	141842	-211881.1413	98379.73170250766	35.574471518584254	-101.5506544	280917.691280573	433637.29861522	3503.86126985338	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
243	291	141843	-211221.1413	98379.73170250766	35.57448601	-101.5483145	281118.7407289927	433633.205058276	3502.222638413966	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
244	291	141844	-210561.1413	98379.73170250766	35.57450045227971	-101.5459746	281319.70171341365	433629.111776465	3496.102789317744	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
245	291	141845	-209901.1413	98379.73170250766	35.57451485133244	-101.5436348	281520.8394	433625.018713782	3489.953402220024	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
246	291	141846	-209241.1413	98379.73170250766	35.57452920517657	-101.541294	281712.88337725	433620.326	3483.8238911262547	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
247	291	141847	-208581.1413	98379.73170250766	35.5745435	-101.538985	281922.307770848	433616.83259543	3477.17446374017	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
248	291	141848	-207921.1413	98379.73170250766	35.57455777250296	-101.5365151	282123.95602404	433612.741	3476.006907454526	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
249	291	141849	-207261.1413	98379.73170250766	35.5745719954985	-101.5342752	282325.039113439	433608.64682651	3474.820568656336	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
250	291	141850	-206601.1413	98379.73170250766	35.57458616853786	-101.5319353	282526.0201039414	433605.56727695	3469.672129682145	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
251	291	141851	-205941.1413	98379.73170250766	35.574600296374285	-101.5299954	282727.129893475	433600.44993857	3464.69144854382	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
252	291	141852	-205281.1413	98379.73170250766	35.57461743905056	-101.5272555	282928.17762898	433596.4381181122	3461.884763583673	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
253	291	141853	-204621.1413	98379.73170250766	35.574634216442195	-101.524916	283126.228146475	433592.2582192	3459.18076625842	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
254	291	141854	-203961.1413	98379.73170250766	35.574640456073675	-101.5225757	283330.272261504	433588.191118954	3457.121339653367	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
255	291	141855	-203301.1413	98379.73170250766	35.57465636	-101.5202538	283531.3192911886	433584.100269494	3455.96821779377	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
256	291	141856	-202641.1413	98379.73170250766	35.5746705753144	-101.5178959	283732.360179792	433580.0964117	3454.1685491286	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
257	291	141857	-201981.1413	98379.73170250766	35.57468411	-101.515556	283933.4172115945	433579.19233807	3452.368881165898	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
258	291	141858	-201321.1413	98379.73170250766	35.57469792558219	-101.5132161	284134.4509103942	433571.429	3450.56921358927	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
259	291	141859	-200661.1413	98379.73170250766	35.57471198180485	-101.510872	284335.5052830397	433567.79892367	3448.10389125441	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
260	291	141860	-200001.1413	98379.73170250766	35.57472712625714	-101.508416	284536.1512093116	433563.449	3446.071807665897	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
261	291	141861	-199341.1413	98379.73170250766	35.57473908684468	-101.5061964	284737.5907005687	433559.56	3444.838923909375	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
262	291	141862	-198681.1413	98379.73170250766	35.5747521926176	-101.503865	284938.6425503606	433545.470513031	3443.76615276433	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
263	291	141863	-198021.1413	98379.73170250766	35.574766304676935	-101.5015166	285139.687830025	433535.381431976	3442.689971061116	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
264	291	141864	-197361.1413	98379.73170250766	35.5747798489015	-101.4991767	285340.730044721	433531.4767	3441.597776373614	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
265	291	141865	-196701.1413	98379.73170250766	35.57479334	-101.4968368	285541.775125214	433528.03392204	3440.52719501111	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
266	291	141866	-196041.1413	98379.73170250766	35.574807907106	-101.494469	285746.222146475	433524.381151489	3439.164127405301	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
267	291	141867	-195381.1413	98379.73170250766	35.574820139711961	-101.492157	285943.867104054	433520.27371829	3438.0513413904114	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
268	291	141868	-194721.1413	98379.73170250766	35.57483355	-101.4898171	286144.911382097	433516.3934172	3437.017446370134	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
269	291	141869	-194061.1413	98379.73170250766	35.57484686762623	-101.4874772	286345.9555	433512.651566992	3436.00212226398	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
270	291	141870	-193401.1413	98379.73170250766	35.574860136927256	-101.4851375	286546.990310078	433508.267405281	3435.067668381965	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
271	291	141871	-192741.1413	98379.73170250766	35.574873360726144	-101.482774	286748.042958716	433503.8167	3434.176776373614	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
272	291	141872	-192081.1413	98379.73170250766	35.57488659322904	-101.4804575	286948.0839818704	433500.1458967234	3433.075238754241	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
273	291	141873	-191421.1413	98379.73170250766	35.5749013691746	-101.4781978	287149.1063913691	433496.381151489	3432.0513413904114	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
274	291	141874	-190761.1413	98379.73170250766	35.57491276090909	-101.475776	287345.172648996	433492.5614125674	3431.026776373614	3331.760914	3187.764216570876	3186.21093260326	130.9959923486262	132.5508207491142
275	291	141875	-190101.1413	98379.73170250766	35.57492580390003	-101.4734377	287552.2154600926	433488.0232966828	3430.182490590605	3331.760914	3187.764216570876	3186.21093260326		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevBothKgs.f	SatThKgs.f	SatThBoth.f
357	214957	-135981.1413	983797.3170250766	35.7584150370926	-101.2815622	0404037.0349	4383167.993562544	332.1082252419307	314.45.9038814555084	3036.655454662828	3027.5689097140703	109.2481376926027	118.3347714143809	
358	214958	-135321.1413	983797.3170250766	35.7586014435554	-101.2792223	0404238.0615470064	4383165.442343008	332.81.39377819043	314.40.702987819043	3035.05.73967141104	3024.118707695963	110.6490909011409	120.58559003257161	
359	214959	-134661.1413	983797.3170250766	35.7588004097778	-101.2686428	0404489.8675151793	4383159.857437327	332.91.894854512926	314.35.526318285336	3033.1962435294818	3020.1962130077613	110.3543255294818	123.8411488477333	
360	214960	-134001.1413	983797.3170250766	35.7589894147596	-101.2745423	0404610.1128569033	4383155.789664726	332.80.191207343760	314.25.351850826533	3031.2435606664944	3016.4726130523813	111.6490911220386	125.87807195627913	
361	214961	-133341.1413	983797.3170250766	35.7587836969012	-101.2722023	040481.13847106544	4383151.124205068	332.82.856718581571	314.41.193992757222	3029.304259483391	3014.067651786541	111.8894329183091	126.2634089868093	
362	214962	-132681.1413	983797.3170250766	35.7587057300191	-101.2698624	0405042.163942091	4383147.655746153	332.83.121223	314.40.0453052740032	3027.5507894570032	3012.4754510744065	112.4945510744065	127.957060474969157	
363	214963	-132021.1413	983797.3170250766	35.7587857240613	-101.2675224	0405243.1891265408	4383143.588149171	332.84.678177440737	313.38.90401951395	3025.918730923224	3014.06774124173	112.9835307	128.41894489062168	
364	214964	-131361.1413	983797.3170250766	35.7590595293796	-101.2651284	0405444.216826616	4383139.352115117	332.86.294561443762	313.37.768856	3024.4233704834564	3013.9204144400593	112.34348544922341	129.4841144962027	
365	214965	-130701.1413	983797.3170250766	35.75914567005654	-101.2626823	0405645.2398195907	4383135.457732326	332.87.894854512926	314.35.526318285336	3022.8762117183878	3012.3543255294818	110.3543255294818	123.8411488477333	
366	214966	-130041.1413	983797.3170250766	35.7592349649919	-101.2605025	0405846.2637	4383131.3841587	332.87.7329574767	313.35.51192597864	3022.30419003266	3011.7867150959642	112.377395532774	123.715214589772	
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368	214968	-128721.1413	983797.3170250766	35.75941211987373	-101.2558225	0406248.21343220097	4383123.2563610105	332.82.689244846306	313.26.6870859165	3020.7464389794777	3010.281822420027	112.5204318800381	122.9258473749579	
369	214969	-128061.1413	983797.3170250766	35.75950013754735	-101.2534825	040649.3365250026	4383119.190638368	332.82.250373074437	313.32.1477021606843	3020.082141072736	3010.6566108794548	112.6228041184301	122.68041184301	
370	214970	-127401.1413	983797.3170250766	35.7595962643152	-101.2511425	040665.3604274122	4383115.12518709	332.81.5017166457	313.30.04797366505	3019.482268083214	3010.4895399610417	111.5525365	121.94525740546305	
371	214971	-126741.1413	983797.3170250766	35.75967465994046	-101.2488026	040685.3814065726	4383110.059930426	332.82.68969	313.29.038173140586	3019.25024667467	3010.2949502	110.9991584936886	121.634308880573	
372	214972	-126081.1413	983797.3170250766	35.7597616263384	-101.2464626	0407052.467664402	4383108.994893892	332.84.51548627022	313.28.8258080442	3017.62799023337	3017.49438436471	111.197899821033	121.3314964420715	
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374	214974	-124761.1413	983797.3170250766	35.7599033510206	-101.2417826	0407454.4542473845	4383108.865479272	332.81.707525451368	313.26.63216040075	3016.6487875520875	3005.88162529641	109.983573	120.750575076657	
375	214975	-124101.1413	983797.3170250766	35.7600182755654	-101.2394426	0407655.477206253	4383104.8041	332.80.341325282104	313.25.54032814765	3016.78290941067	3003.911666673017	108.77203297369806	121.6265724746325	
376	214976	-123441.1413	983797.3170250766	35.7601030527067	-101.2371027	0407856.4990765125	4383106.736874224	332.81.57596282134	313.24.450907056068	3016.44471079152467	3003.7160171403	108.0091351036006	121.279257402308	
377	214977	-122781.1413	983797.3170250766	35.7601873745347	-101.2347627	0408057.522599107	4383106.673	331.810584000232	313.23.36714567913	3016.339618343063	3003.285850769516	107.02409622490613	120.077863739494	
378	214978	-122121.1413	983797.3170250766	35.76027124495848	-101.2324227	0408258.5449535435	4383105.60595667	331.82.294561443762	313.22.78635650667	3015.05.1351725757	3002.513502157584	107.27184769347	119.76516628139091	
379	214979	-121461.1413	983797.3170250766	35.76035946693384	-101.2300627	0408459.671612846	4383104.19484128	331.84.52719280323	313.21.65484240499	3014.809338102057	3002.284131828415	106.294131828415	118.349131828415	
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381	214981	-120141.1413	983797.3170250766	35.7605021436668	-101.2254027	0408861.6110412434	4383074.49894304	331.85.03752571269	313.20.148809343523	3015.0347716621554	3002.57545381938	106.0801092711968	116.28942336615423	
382	214982	-119481.1413	983797.3170250766	35.7606022	-101.2230627	0409062.6326602327	4383066.357	331.82.004551026614	313.21.919647382816	3014.666157849524	3002.075751194573	105.253488332917	109.9445357601798	
383	214983	-118821.1413	983797.3170250766	35.76068386184186	-101.2207228	0409263.6511958314	4383062.2940184865	331.80.9192510566146	313.16.819423818543	3014.4357444833037	3002.951685783362	104.867373355127	108.867373355127	
384	214984	-118161.1413	983797.3170250766	35.7607649745778	-101.2183828	0409464.6573923638	4383058.22	330.8.161549668824	313.15.742408539555	3013.9273251163218	3003.853067307131	110.78609573763379	113.86035186184405	
385	214985	-117501.1413	983797.3170250766	35.76085456890254	-101.2161428	0409655.694892364	4383054.19484128	330.8.52719280323	313.14.659853899255	3013.7375641175533	3003.2948546487964	109.8653426184392	115.2113038819609	
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387	214987	-116181.1413	983797.3170250766	35.7610570376868	-101.2113628	0410067.7380935957	4383046.05457569	330.8.12323634015864	313.12.353441484825	3013.322412461306	3006.8393404273247	99.12510168717655	115.511421372115783	
388	214988	-115521.1413	983797.3170250766	35.761085086766	-101.2090228	0410288.7568228828	4383041.98422404	329.91.243879629491	311.21.91328256373	3012.6990176645595	3002.924680732977	98.920350592777	113.9604751842825	
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390	214990	-114201.1413	983797.3170250766	35.76112420359006	-101.2043428	0410670.7912545524	4383033.861872958	328.5.64854955475	310.8.926952085241	3011.956347368636	3006.685894569246	97.773409214677	112.244057297663	
391	214991	-113541.1413	983797.3170250766	35.76132044244533	-101.2020028	0410871.819977617	4383029.801071983	327.8.295972268383	310.7.772212256142	3011.29775847082	3006.41598375913	96.9211228902226	111.3528122890226	
392	214992	-112881.1413	983797.3170250766	35.761387262213	-101.1996428	0411072.83895903473	4383025.74038308	327.6.4542719280323	310.6.50484240499	3011.805038102057	3002.284131828415	106.294131828415	118.349131828415	
393	214993	-112221.1413	983797.3170250766	35.7614705598585	-101.1973229	0411273.85848971584	4383021.679692605	326.9.845963310816	310.5.4267171610855	3010.1365561978555	3002.96712862909	96.26041218292196	108.97450435317651	
394	214994	-111561.1413	983797.3170250766	35.7615517	-101.1949829	0411474.87770890643	4383017.617973025	326.5.32613233304	310.4.23727556442	3009.404345734627	3002.594045953617	96.2902909297917	107.97732097108019	
395	214995	-110901.1413	983797.3170250766	35.761627893488	-101.1924629	0411675.8749338794	4383013.559790058	326.1.201583669641	310.3.0383148894376	3008.346471700046	3005.725382124637	94.6190718839147	107.3129567480078	
396	214996	-110241.1413	983797.3170250766	35.76170361296214	-101.1903029	0411876.9161949214	4383009.500402581	325.7.585577950225	310.1.8310611783313	3007.604230359943	3005.995214208073	94.18485478138809	106.5389108282625	
397	214997	-109581.1413	983797.3170250766	35.7617878945922	-101.1878929	0412077.93506218254	4383005.450047857	325.8.926952085241	310.0.815782458586	3006.563682	3004.635891382386	94.0502100871645	106.982423696173	
398	214998	-108921.1413	983797.3170250766	35.76185737240406	-101.1856229	0412278.95374576456	4383001.381192715	325.0.35615611985	309.9.30276	3004.99486626569	3004.161089711623	94.023933665098	105.21370239976	
399	214999	-108261.1413	983797.3170250766	35.76193521915222	-101.1834292	0412489.9724549466	4383000.429549466	324.9.487742915639	309.8.457742915639	3004.99486626569	3004.161089711623	94.023933665098	105.21370239976	
400	215000	-107601.1413	983797.3170250766	35.762002	-101.1809429	0412680.960526286	4382993.26322254	324.3.354673	309.6.92371321547	3010.859720536587	3004.161089711623	94.023933665098	105.21370239976	
401	215001	-106941.1413	983797.3170250766	35.7620750530296	-101.1786029	0412882.086696215	4382994.20466916	324.8.840791042233						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLogs.ft	SatHtBoth.ft
439	291	215083	-52821.14133	98379.73170250766	35.76656619896768	-00.98667219	329364.89277612073	43282657.142	3126.627898978896	291.7791794391927	2912.777617273895	2913.4721719	64.8118066529777	64.81967942814254
484	291	215084	-5261.14133	98379.73170250766	35.76656974427526	-00.98643819	32965.8964396943604	43265633.102	3127.9126422279143	291.761605510213	2912.7109684811912	64.8855433	64.0403653702178	
485	291	215085	-5161.14133	98379.73170250766	35.76663335636363	-00.98608129	32976.9998368187	4326540.825	3128.1917385477304	291.751158672196	2912.73784961151	63.88293535101426	63.88293535101426	
486	291	215086	-50461.14133	98379.73170250766	35.7666685	-00.97970178	32967.90368761	4326540.825	3128.1917385477304	291.751158672196	2912.73784961151	63.88293535101426	63.88293535101426	
487	291	215087	-50181.14133	98379.73170250766	35.76673038960516	-00.9773618	330168.906432584	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
488	291	215088	-49521.14133	98379.73170250766	35.7667372344472	-00.9750217	330369.904369074	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
489	291	215089	-48861.14133	98379.73170250766	35.7667709272333	-00.9726817	330570.912273679	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
490	291	215090	-48201.14133	98379.73170250766	35.7668042	-00.9703417	330771.914845685	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
491	291	215091	-47541.14133	98379.73170250766	35.766836563636	-00.9686017	330972.91745322547	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
492	291	215092	-46891.14133	98379.73170250766	35.766892352537	-00.9656516	33173.917976485	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
493	291	215093	-46221.14133	98379.73170250766	35.7669011778143	-00.9633216	33174.921975127	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
494	291	215094	-45561.14133	98379.73170250766	35.766932103185	-00.9609816	331575.924	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
495	291	215095	-44901.14133	98379.73170250766	35.766963593663	-00.9586416	331776.92584278306	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
496	291	215096	-44241.14133	98379.73170250766	35.766994191574	-00.9563013	331977.92315710546	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
497	291	215097	-43581.14133	98379.73170250766	35.7670242	-00.9539815	332178.9259508774	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
498	291	215098	-42921.14133	98379.73170250766	35.7670531976996	-00.9516215	332779.304189911	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
499	291	215099	-42261.14133	98379.73170250766	35.76710829919105	-00.9492814	332580.9316712679	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
500	291	215100	-41601.14133	98379.73170250766	35.7671117115536	-00.9469414	332781.932653269	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
501	291	215101	-40941.14133	98379.73170250766	35.7671380826264	-00.9446014	332982.93257796906	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
502	291	215102	-40281.14133	98379.73170250766	35.76717678	-00.9422614	333183.9343382297	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
503	291	215103	-39621.14133	98379.73170250766	35.7671951602036	-00.9399213	333384.93489887576	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
504	291	215104	-38961.14133	98379.73170250766	35.7672220722656	-00.9375813	333584.93557779623	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
505	291	215105	-38311.14133	98379.73170250766	35.7672517326624	-00.9352413	333784.9362644406	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
506	291	215106	-37641.14133	98379.73170250766	35.7672743395794	-00.9329212	333987.935569606	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
507	291	215107	-36981.14133	98379.73170250766	35.7673000597229	-00.9305612	334188.934753582	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
508	291	215108	-36321.14133	98379.73170250766	35.7673251943064	-00.9282212	334389.935216596	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
509	291	215109	-35661.14133	98379.73170250766	35.76737489	-00.9258811	334590.934798849	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
510	291	215110	-35001.14133	98379.73170250766	35.7673741	-00.9235411	334791.9342205208	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
511	291	215111	-34341.14133	98379.73170250766	35.7673741	-00.9212011	334992.934798849	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
512	291	215112	-33681.14133	98379.73170250766	35.7673741	-00.9188111	335193.932583107	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
513	291	215113	-33021.14133	98379.73170250766	35.7673741	-00.9165211	335394.931524447	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
514	291	215114	-32361.14133	98379.73170250766	35.7674663284725	-00.9141811	335595.930573404	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
515	291	215115	-31701.14133	98379.73170250766	35.767486277782	-00.9118411	335796.928287688	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
516	291	215116	-31041.14133	98379.73170250766	35.7675097502634	-00.9090909	335997.927390159	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
517	291	215117	-30381.14133	98379.73170250766	35.76753037902714	-00.9071609	336198.925993616	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
518	291	215118	-29721.14133	98379.73170250766	35.7675513735624	-00.9042808	336399.9261824283	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
519	291	215119	-29061.14133	98379.73170250766	35.7675715	-00.9024088	336600.9261824283	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
520	291	215120	-28401.14133	98379.73170250766	35.7675911834425	-00.9001408	336801.919651622	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
521	291	215121	-27741.14133	98379.73170250766	35.76761041040214	-00.8978088	337002.912703254	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
522	291	215122	-27081.14133	98379.73170250766	35.7676291853039	-00.8954607	337203.91483171633	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
523	291	215123	-26421.14133	98379.73170250766	35.7676475	-00.8931207	337404.912184809	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
524	291	215124	-25761.14133	98379.73170250766	35.7676653789342	-00.8907807	337605.905802192	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
525	291	215125	-25101.14133	98379.73170250766	35.76768376624	-00.8884408	337806.905802192	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
526	291	215126	-24441.14133	98379.73170250766	35.7676997643327	-00.8861068	338007.9032988171	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
527	291	215127	-23781.14133	98379.73170250766	35.767717238444	-00.8837606	338208.900241515	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
528	291	215128	-23121.14133	98379.73170250766	35.7677321449904	-00.8814205	338409.8965891	432636.942	3127.95950196338	290.75914205048	2910.210537723395	60.16647284346	61.4921802771332	61.45905722596933
529	291	215129	-22461.14133	98379.73170250766	35.7677479519522									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
59	21509	30338.8586730335	983797.3170250766	39.57675321241925	-100.6918778	554860.116663804	4382149.771916862	2857.0235996411586	2722.809792275262	2721.581091625452	68.7830618205785	71.011760418602		
60	21510	30988.8586730335	983797.3170250766	39.57675111611897	-100.6899378	554891.1010680524	4382145.79042635	2867.54733786495	2770.99086336013	2721.2526686104507	270.4239686	69.7382177256221	70.50091797	
61	21511	31658.8586730335	983797.3170250766	39.576735141407025	-100.6871977	555092.967994959	4382141.748396008	2893.058453241378	2789.327717591516	2718.524518806389	69.8218179	70.52635586717		
62	21512	32318.8586730335	983797.3170250766	39.57674677475572	-100.6848577	555293.0965	4382137.33977486	2859.031218769073	2771.5553602079735	2716.868671063693	70.147087304424	70.7337707041675		
63	21513	32978.8586730335	983797.3170250766	39.57674453851545	-100.6825177	555494.0534277131	4382135.72172689	2855.0658825220093	2785.814795	2715.2380014040864	71.01285296814	70.5767939005364	70.9439767495663	
64	21514	33638.8586730335	983797.3170250766	39.57674257069476	-100.6801777	555695.037289601	4382129.70972751	2850.085657194954	2783.05093332353	2712.6342159395317	71.1416736732141	71.549723862131	71.549723862131	
65	21515	34298.8586730335	983797.3170250766	39.57673990341771	-100.6778736	555896.0209963816	4382125.689	2851.8260509056314	2782.054209056314	2709.72191630092	70.9496172800481	72.3232927	72.44148105	
66	21516	34958.8586730335	983797.3170250766	39.576735585602	-100.6754876	556097.0406643936	4382121.686	2857.542211915576	2780.08292835373	2706.484955147408	70.829396382543	73.93797348796474	73.7339652826988	
67	21517	35618.8586730335	983797.3170250766	39.576735141407025	-100.6731876	556297.967994959	4382117.875	2863.058453241378	2778.053297835265	2704.9457171612426	70.831091591967834	73.1221265180674	74.84138674211	
68	21518	36278.8586730335	983797.3170250766	39.57673257922044	-100.6707815	556498.971286053	4382113.9639878	2868.9746245344695	2776.96698677935	2699.1611597136128	2699.385414091284	76.8055043952119	76.581084566503	
69	21519	36938.8586730335	983797.3170250766	39.57673017175337	-100.6684785	556699.9544011247	4382109.65287261	2874.02401628017	2773.8164205108164	2694.5294252742323	73.442498970588	79.293446283918		
70	21520	37598.8586730335	983797.3170250766	39.5767271907296	-100.6661375	556900.934556885	4382105.64293797	2873.4574950567	2771.5650584066702	2691.551260359902	2691.0148496795014	80.030702706909	80.55010877216686	
71	21521	38258.8586730335	983797.3170250766	39.576725011186846	-100.6637974	557101.9203354286	4382101.8183895	2884.58173833177	2769.13568383034	2688.1219906763495	76.8882394496516	81.0136771	81.761730398	
72	21522	38918.8586730335	983797.3170250766	39.5767237809501	-100.6614574	557302.90373856	4382102.61561025	2875.6244302206	2766.6396339320225	2685.111600762202	2685.450719	81.5280385602029	81.1889193868252	
73	21523	39578.8586730335	983797.3170250766	39.5767196997946	-100.6599174	557533.8896756844	4382098.615216985	2874.477851019348	2764.08407222057	2682.48493245023245	81.59796336	81.73724998112		
74	21524	40238.8586730335	983797.3170250766	39.5767169629419	-100.6577714	557740.86814273417	4382099.00170039	2871.107109092173	2761.51468859722	2680.389114559505	80.89244271418503	81.12554001760	80.822545855194	
75	21525	40898.8586730335	983797.3170250766	39.57671417758526	-100.6554373	557905.85047170473	4382085.59209723	2873.734638110499	2758.84699205995	2677.623409948337	79.09505204	80.2145820765955	79.8907877687485	
76	21526	41558.8586730335	983797.3170250766	39.5767113367063	-100.6520973	558106.832663075	4382081.582711856	2884.361778512862	2756.390406961298	2677.625705375044	76.7779612	78.733101586236	78.4322109830698	
77	21527	42218.8586730335	983797.3170250766	39.57670844550316	-100.6497573	558307.8417917939	4382077.57354591	2880.080120129025	2753.888530039426	2676.830691648836	2676.7910012214413	77.1695198284526	77.1695198284526	
78	21528	42878.8586730335	983797.3170250766	39.57670570855	-100.6474172	558508.796632123	4382073.554659316	2885.84899553785	2751.431757708746	2676.4017084161384	75.0218618671074	74.8427433487368		
79	21529	43538.8586730335	983797.3170250766	39.5767210682691	-100.6450772	558709.7784225991	4382069.5584025	2849.689978978315	2749.040455629334	2675.0718938356676	75.978634502683	72.968816723583	73.0607271290676	
80	21530	44198.8586730335	983797.3170250766	39.5766995953756	-100.6427372	558910.76011013	4382065.54738717	2846.506284273867	2746.71932945905	2675.584307371473	2675.1349087729658	70.8156731891644		
81	21531	44858.8586730335	983797.3170250766	39.57669718051072	-100.6409768	559117.2418149074	4382061.538613238	2849.689978978315	2744.85492338949	2674.9457171612426	70.831091591967834	73.1221265180674	74.84138674211	
82	21532	45518.8586730335	983797.3170250766	39.5766934086203	-100.6380571	559312.7203519916	4382057.530597979	2834.96484888962	2742.269252394825	2673.976349482024	75.6552126	68.2926129006006	67.511268478233	
83	21533	46178.8586730335	983797.3170250766	39.57669030507684	-100.6357171	559513.7042992524	4382053.51675156	2830.330094048892	2740.220532219468	2672.68303808993	2677.17389293661	62.941956827499		
84	21534	46838.8586730335	983797.3170250766	39.5766871394767	-100.6333771	559714.6854053244	4382049.51547028	2825.701303209791	2738.0086303625917	2670.6837517224744	70.7275610509827	67.32487860411728	65.216523826094	
85	21535	47498.8586730335	983797.3170250766	39.5766830418205	-100.631037	559915.663675071	4382045.50805145	2821.7058939748	2735.9218408038	2668.52235050304	2670.2924618216285	67.401290788409	65.6657197885946	
86	21536	48158.8586730335	983797.3170250766	39.5766806	-100.628697	560116.674120394	4382041.50084807	2818.39167583675	2733.86114010405	2666.347973	2670.64069894973	67.51313149912494	66.0204506434196	
87	21537	48818.8586730335	983797.3170250766	39.5766777807083	-100.626857	560317.62791512854	4382037.480596584	2815.06272373966	2731.814984925866	2665.03472373966	2665.03472373966	67.51313149912494	66.0204506434196	
88	21538	49478.8586730335	983797.3170250766	39.576674240651354	-100.62407	560518.4784262635	4382033.48708227	2812.718447118054	2729.17514723263	2661.1904574632	75.1370284254	72.1512186		
89	21539	50138.8586730335	983797.3170250766	39.57667052906323	-100.6216769	560719.58891680336	4382029.48036287	2808.94362866663	2727.745555669598	2658.105757819647	2659.73049977279	66.6413978499502	68.37548584	
90	21540	50798.8586730335	983797.3170250766	39.57666707	-100.6193369	560920.56617997	4382025.47202232	2800.706284993663	2725.72496153347	2654.790606349662	2655.628913350606	70.938980971266	70.0953822131414	
91	21541	51458.8586730335	983797.3170250766	39.5766635702016	-100.6169989	561121.548931043	4382021.468006504	2794.4642137100673	2723.709917308471	2651.228469666497	2651.828039018665	72.48144737	71.8818234	
92	21542	52118.8586730335	983797.3170250766	39.576660306523	-100.6146569	561323.5294161377	4382017.482177844	2782.221424217878	2721.70321788661	2647.3782379890306	2647.3782379890306	70.0953822131414	70.0953822131414	
93	21543	52778.8586730335	983797.3170250766	39.57665644	-100.6123168	561523.5095158911	4382013.456807292	2775.953984671705	2719.76068958076	2645.705804122523	2645.705804122523	70.0953822131414	70.0953822131414	
94	21544	53438.8586730335	983797.3170250766	39.5766527184053574	-100.609768	561724.4890245074	4382009.41800534	2772.718447118054	2717.718447118054	2644.9457171612426	2644.9457171612426	70.0953822131414	70.0953822131414	
95	21545	54098.8586730335	983797.3170250766	39.57664911021862	-100.607038	561925.4687165931	4382005.446	2774.553496	2715.7541770361	2648.9642141553436	2645.9768778830817	68.7623981501742	68.7735040827934	
96	21546	54758.8586730335	983797.3170250766	39.5766453218969	-100.6052968	562126.484275563	4382001.440773005	2770.348542081445	2713.7938207812813	2650.7322109819524	2646.67758590416	63.0616079328835	67.11586219	
97	21547	55418.8586730335	983797.3170250766	39.576641608956884	-100.6029567	562327.4275863824	4381997.436	2771.8520737917397	2652.504041242677	2645.626896712663	2645.626896712663	68.1694851204734	68.1694851204734	
98	21548	56078.8586730335	983797.3170250766	39.57663719051863	-100.6006167	562528.4068237216	4381993.431	2765.894383155221	2709.9264134664736	2644.38591568932	2647.153767191729	55.540497675416	55.540497675416	
99	21549	56738.8586730335	983797.3170250766	39.57663392687462	-100.5982677	562729.336927468	4381989.426999125	2764.330276913425	2646.203993581963	2645.705804122523	2645.705804122523	58.2613126060491	58.2613126060491	
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101	21551	58058.8586730335	983797.3170250766	39.57662620647975	-100.593678	563131.434915853	4381981.426999125	2761.854291434881	2705.1322702328125	2645.705804122523	2645.705804122523	58.2613126060491	58.2613126060491	
102	21552	58718.8586730335	983797.3170250766	39.5766220647975	-100.5912566	563340.364915853	4381977.41554143	2760.1322702328125	2704.269252394825	2645.705804122523	2645.705804122523	58.2613126060491	58.2613126060491	
103	21553	59378.8586730335	983797.3170250766	39.57661800224372	-100.5889166	563533.30103217356	4381973.412	2758.900549422553	2703.6130997753867	2661.912523039702	2661.912523039702	63.7605746559644	63.7605746559644	
104	21554	60038.8586730335	983797.3170250766	39.5766133057221	-100.5865766	563734.2794802016	4381969.40839469	2756.761808744966	2698.829234898706	2652.091966465635	2652.7113937844	68.1694851204734	68.1694851	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogsKrg.ft	BRLEvBothKrg.ft	SurfBothKrg.ft	SatBothKrg.ft
1	291	215335	114398.65867307335	983797.3170250766	39.57613254056677	-100.39703958	80010.117884339	4381645.86499465	2745.8647058958013	2585.5871774176075	2541.7774147093437	2541.8914140514225	4380795704	43.69575769184955
736	291	215336	114158.85867307335	983797.3170250766	39.57612474407842	-100.39699159	80013.040639422	4381641.879364225	2743.292502926206	2583.796269105228	2538.1760241449106	2538.219897522317	46.5737158691109	45.57837158691109
737	291	215337	114018.85867307335	983797.3170250766	39.5761169023855	-100.39699159	80013.040639422	4381641.879364225	2743.292502926206	2583.796269105228	2538.1760241449106	2538.219897522317	46.5737158691109	45.57837158691109
738	291	215338	114158.85867307335	983797.3170250766	39.576109015488115	-100.39699159	80013.040639422	4381641.879364225	2743.292502926206	2583.796269105228	2538.1760241449106	2538.219897522317	46.5737158691109	45.57837158691109
739	291	215339	116138.85867307335	983797.3170250766	39.5761100336613	-100.38675959	80816.990044178574	4381629.9241612945	2735.45452533062	2576.3863485978773	2525.4314215956101	2524.9252996204262	52.9426336277645	53.431085137632635
740	291	215340	116708.85867307335	983797.3170250766	39.5760310607966	-100.38533539	80117.058897441	4381625.939570219	2735.45452533062	2576.3863485978773	2525.4314215956101	2524.9252996204262	52.9426336277645	53.431085137632635
1	292	215341	-370941.1431	984547.3170250766	39.57147427659042	-102.1145655	32462.1300743111	4384831.670871251	3715.331457959132	3627.974876155148	3564.9786959025373	3569.85342056352984	62.9498251088484	58.1213851984841
2	292	215342	-370281.1431	984547.3170250766	39.5714965621393	-102.1122259	32363.23733020424	4384827.489973134	3721.803173303344	3626.443835710294	3562.585342954141	3569.15045360498	63.8494864560887	58.7287304397314
3	292	215343	-369621.1431	984547.3170250766	39.5714965621393	-102.109885	32364.3443311209	4384823.34292174	3720.718769690193	3624.902784769454	3561.530926265314	3569.83836260961	65.8649152626261	57.0647350639139
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6	292	215346	-367641.1431	984547.3170250766	39.57160074	-102.102673	32367.6635170678	4384810.90309152	3696.142327649397	3620.338046712058	3566.2745519427085	3563.166113185605	54.06349727499325	55.201433956573
7	292	215347	-366981.1431	984547.3170250766	39.57162584430476	-102.1005277	32368.76969313767	4384806.96782678	3681.826776215204	3565.694673	3563.871859264139	3561.321031095749	54.95491684754526	54.95491684754526
8	292	215348	-366321.1431	984547.3170250766	39.57165100589326	-102.09818	32369.8753712615	4384806.01807301	3702.911520077167	3617.321003439915	3566.656369780914	3562.861311188994	50.6644637911349	53.6388703101552
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14	292	215354	-362361.1431	984547.3170250766	39.57180037	-102.0841501	32376.503068145	4384780.740202025	3756.145400502676	3608.41121	3565.498548356643	3564.83119119608	42.91557513296084	43.58042937002232
15	292	215355	-361701.1431	984547.3170250766	39.57182520708745	-102.0818105	32377.60774495598	4384783.95964910	3760.3471557942895	3606.9353626706	3564.959803353776	3564.46741998442	42.3565829032829	42.48521628266967
16	292	215356	-361041.1431	984547.3170250766	39.571850270621226	-102.0794708	32378.71151835498	4384789.451482925	3765.816515939572	3605.499315	3564.1093173945225	3563.242573399633	42.3565829032829	42.48521628266967
17	292	215357	-360381.1431	984547.3170250766	39.57187622404146	-102.077155	32379.814339	4384794.48978439	3771.286914137877	3604.21459239233	3564.54077255816	3563.242573399633	42.3565829032829	42.48521628266967
18	292	215358	-359721.1431	984547.3170250766	39.57189953484145	-102.074715	32380.9178082658	4384761.16349585	3755.761236234627	3602.61618583985	3558.76632559728	3559.405115902725	43.85058712425824	43.2164003437139
19	292	215359	-359061.1431	984547.3170250766	39.571924249194474	-102.0724518	32382.02049615278	4384765.03202464	3757.03133660412	3601.1919248	3558.258680288972	3557.143134627667	43.85058712425824	43.2164003437139
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21	292	215361	-357741.1431	984547.3170250766	39.57197334272656	-102.0677725	32384.22526159673	4384750.734057125	3765.180836387613	3598.27695800695	3551.438149569177	3552.11018724296	40.079332448622	44.854386259847
22	292	215362	-357081.1431	984547.3170250766	39.57199872102041	-102.0654328	32385.327	4384744.591239072	3769.264	3596.802141206706	3549.28850492313	3550.1149709093347	40.079332448622	44.854386259847
23	292	215363	-356421.1431	984547.3170250766	39.5720234557388	-102.0631923	32386.4398989503	4384744.591239072	3771.4448398985	3595.99182618968	3547.799974669818	3548.27012490514845	40.079332448622	44.854386259847
24	292	215364	-355761.1431	984547.3170250766	39.572049259332	-102.060735	32387.530493281	4384744.591239072	3773.7237519825	3594.6557177894	3546.9872940165713	3546.9872940165713	42.2471075146305	42.2471075146305
25	292	215365	-355101.1431	984547.3170250766	39.5720709609777	-102.0584138	32388.631	4384732.16412933	3775.0212165957074	3592.86759631955	3544.264562408312	3545.651667890524	40.079332448622	44.854386259847
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27	292	215367	-353781.1431	984547.3170250766	39.5721195638414	-102.0537345	32390.8338010905	4384732.16412933	3778.2161413744464	3590.173216105382	3542.225319195583	3543.59331444961	40.079332448622	44.854386259847
28	292	215368	-353121.1431	984547.3170250766	39.572144442524	-102.0513948	32391.933261478	4384719.73901251	3779.27276562924	3588.842091563593	3541.535219361743	3542.805585962832	40.079332448622	44.854386259847
29	292	215369	-352461.1431	984547.3170250766	39.572169681021	-102.0490551	32393.0304505042	4384715.97759596	3779.27276562924	3588.842091563593	3541.535219361743	3542.805585962832	40.079332448622	44.854386259847
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31	292	215371	-351141.1431	984547.3170250766	39.5722160601359	-102.0443758	32395.2386323026	4384707.31506847	3779.27276562924	3588.842091563593	3541.535219361743	3542.805585962832	40.079332448622	44.854386259847
32	292	215372	-350481.1431	984547.3170250766	39.5722401228163	-102.0420361	32396.3330958054	4384703.175318279	3780.50190098564	3583.620882443662	3538.8752211151696	3540.76900120215	40.079332448622	44.854386259847
33	292	215373	-349821.1431	984547.3170250766	39.572261442423	-102.0396964	32397.432429962	4384699.035	3782.575149004848	3582.345176222017	3537.149008445603	3540.76900120215	40.079332448622	44.854386259847
34	292	215374	-349161.1431	984547.3170250766	39.5722804835753	-102.0373567	32398.53113290117	4384684.89409066	3784.69478100741	3581.072668043728	3534.9448347702095	3535.5867923889522	40.079332448622	44.854386259847
35	292	215375	-348501.1431	984547.3170250766	39.572311932058	-102.035017	32399.62962742704	4384679.54889704	3784.70036434589	3579.81410800163	3533.4212258508024	3535.5867923889522	40.079332448622	44.854386259847
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37	292	215377	-347181.1431	984547.3170250766	39.5723631607966	-102.030387	32401.8269787854	4384651.878439	3784.70036434589	3579.81410800163	3533.4212258508024	3535.5867923889522	40.079332448622	44.854386259847
38	292	215378	-346521.1431	984547.3170250766	39.57238833	-102.02798	32402.9240179438	4384638.3364712	3784.70036434589	3579.81410800163	3533.4212258508024	3535.5867923889522	40.079332448622	44.854386259847
39	292	215379	-345861.1431	984547.3170250766	39.5724070449798	-102.025683	32							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKg.f	BREIEvBothKg.f	SurfSevBothKg.f	SatThkBoth.f
121	292	215481	-291741.1413	9845457.3170250766	38.57419748902694	-101.8337986	556983.16813129635	483433.555	3637.699461019802	3462.28616164037953	3374.930283247379	3373.7650892059014	37.35587779416128	88.52106302
122	292	215482	-291681.1413	9845457.3170250766	38.57421745719292	-101.8314837	556794.24507106384	483433.4124289202	3630.563049039583	3461.083173862784	3369.453603244488	3374.297340619415	39.153763523619415	93.3539048094293
123	292	215483	-290421.1413	9845457.3170250766	38.57423737976996	-101.8291189	556985.32177062922	483433.319364252	3624.764780967147	3459.8841194986006	3364.3058912383032	3373.7488274862032	36.514429101329733	92.141011329733
124	292	215484	-289761.1413	9845457.3170250766	38.57425723977696	-101.8276791	556987.203200892	483433.230591595	3620.3102774896756	3458.7180614876506	3360.9309002346625	3360.396679180016	37.7870125298817	98.3487362005006
125	292	215485	-289101.1413	9845457.3170250766	38.57427703302176	-101.8244393	557397.4744447607	483433.193672103	3615.88516823681	3457.5484445737605	3358.866407823193	3358.3500344448202	38.76420372934123	99.1974059304025
126	292	215486	-288441.1413	9845457.3170250766	38.574296841607946	-101.8220995	557598.55042981188	483433.0795429011	3610.417442738948	3456.38357148596	3357.61946462062	3357.112042903562	39.6826325833391	99.27265285321795
127	292	215487	-287781.1413	9845457.3170250766	38.574316574715006	-101.8197597	557799.62617045804	483433.018464973	3608.7630219238406	3455.224173161853	3356.590680584843	3356.09855959	38.6826087741993	99.12681398
128	292	215488	-287121.1413	9845457.3170250766	38.57432662623335	-101.8174199	558000.70167118801	483433.075625323	3607.94068285745304	3454.0692726545304	3355.2705051307253	3354.7947988355563	38.7987671480515	99.27447381
129	292	215489	-286461.1413	9845457.3170250766	38.57435995332894	-101.815628	558001.77893430943	483433.0296625754	3607.118067226857	3453.24036977592108	3354.3700958991143	3353.7488274862032	36.514429101329733	92.141011329733
130	292	215470	-285801.1413	9845457.3170250766	38.5743755	-101.8127402	558402.8519570422	483429.477849469	3606.29540263336	3451.784134176749	3351.078274388273	3350.7485271472374	37.70565979847566	101.0358702951149
131	292	215471	-285141.1413	9845457.3170250766	38.57438505515544	-101.8104004	558603.9267298637	483429.359293934	3605.95439	3450.659784935326	3348.1027034199765	3347.88260862412	102.5057811255612	101.777268320041
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft	
372	2912	115213	-125421.1413	9845457.3170250766	39.577797864996026	-101.2441337	307257.5026757165	4833304.184641091	320.582404	316.793486397158	3015.7057297437295	3014.7275665342848	122.0939208810377		
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409	2912	115209	-101661.1413	9845457.3170250766	39.57807762633151	-101.1598819	314484.21063465257	4833157.91223699	3216.08962654574	3004.8318244751765	2991.686831938933	2993.393056925251	95.2722260460278	96.535792926669	
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411	2912	115211	-100341.1413	9845457.3170250766	39.57809146247245	-101.1552118	314896.248829679	4833149.578732625	3212.545379076327	3002.7654598456	2988.7388005143234	2988.45683282759	95.2722260460278	96.535792926669	
412	2912	115212	-99681.1413	9845457.3170250766	39.57809831273409	-101.1528717	315097.258	4833145.421371141	3210.545273163835	3000.846277841334	2987.083679655504	2987.083679655504	95.2722260460278	96.535792926669	
413	2912	115213	-99021.1413	9845457.3170250766	39.578105117789704	-101.1505317	315298.2745084319	4833141.765	3208.91086624077	3079.702150262658	2988.3919071315025	2988.3919071315025	95.2722260460278	96.535792926669	
414	2912	115214	-98361.1413	9845457.3170250766	39.5781176732056	-101.1481916	315499.2905006006	4833137.794846233	3206.8439887999	3078.41963015117	2988.3919071315025	2988.3919071315025	95.2722260460278	96.535792926669	
415	2912	115215	-97701.1413	9845457.3170250766	39.57812526173505	-101.1458115	315691.3009476077	4833133.91944782	3204.81944782	3077.41963015117	2988.3919071315025	2988.3919071315025	95.2722260460278	96.535792926669	
416	2912	115216	-97041.1413	9845457.3170250766	39.5781385854875	-101.1431155	315891.3009476077	4833129.794846233	320						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
500	292	15839	-42261.14133	984547.3170250766	35.75852123558193	-100.3492852	332584.9741	4327393.754508065	3101.700136	2592.365951457643	2889.4389978648235	2891.3889503041545	60.9172451026974	60.9172451026974
500	292	15840	-41601.14133	984547.3170250766	35.75852410767228	-100.3464691	332765.9749255004	4327781.74220894	3101.681710223374	2592.365951457643	2889.4389978648235	2891.3889503041545	61.14810761362053	61.14810761362053
501	292	15841	-40941.14133	984547.3170250766	35.75852384555579	-100.344605	332865.9762765813	4327875.9750975714	3101.6662589872914	2592.365951457643	2889.4389978648235	2891.3889503041545	61.29211317636304	61.29211317636304
502	292	15842	-40281.14133	984547.3170250766	35.75852971623381	-100.3422469	333187.9761535474	4327881.743200485	3101.644855554246	2592.411777474827	2883.9634182146515	2888.943942345136	58.46273402434654	58.46273402434654
503	292	15843	-39621.14133	984547.3170250766	35.75853245270357	-100.3399248	333388.9764725148	4327776.607	3098.948173	2594.757123062664	2882.750032903591	2884.2963859010524	63.51819015907449	61.478371761613026
504	292	15844	-38961.14133	984547.3170250766	35.7585314396646	-100.3375847	333589.9762695654	4327715.731273016	3093.573226674216	2594.757123062664	2882.72700347028	2882.41481317780842	61.7099907	61.7099907
505	292	15845	-38301.14133	984547.3170250766	35.7585379002249	-100.3352447	333790.97626529116	4327693.755284208	3082.198279865472	2594.757123062664	2882.72700347028	2882.41481317780842	63.3062408735931	61.80381115643013
506	292	15846	-37641.14133	984547.3170250766	35.7585403087163	-100.3329046	333981.9765	432765.9749514648	3082.823330549037	2594.757123062664	2882.72700347028	2882.41481317780842	61.261487363628	61.261487363628
507	292	15847	-36981.14133	984547.3170250766	35.75854294551391	-100.3305646	334192.9761325513	4327675.9749514648	3082.823330549037	2594.757123062664	2882.72700347028	2882.41481317780842	63.1586467253498	61.467461318733936
508	292	15848	-36321.14133	984547.3170250766	35.75854565949286	-100.3282244	334393.9765446432	4327671.429	3072.43351196232	2593.72775658157	2882.72700347028	2882.41481317780842	61.478371761613026	61.478371761613026
509	292	15849	-35661.14133	984547.3170250766	35.75854792217779	-100.3258843	334594.9749596764	4327633.33521362	3067.300188367166	2593.72775658157	2882.72700347028	2882.41481317780842	63.4109763435406	61.40540567
510	292	15850	-35001.14133	984547.3170250766	35.7585503219939	-100.3235442	334795.9741867378	432749.35862704	3062.16012591116	2594.757123062664	2882.72700347028	2882.41481317780842	62.4477142289227	62.4477142289227
511	292	15851	-34341.14133	984547.3170250766	35.7585527101409	-100.3212041	334996.9732115916	432733.33521362	3052.467407458557	2593.72775658157	2882.72700347028	2882.41481317780842	63.6903319143902	63.6903319143902
512	292	15852	-33681.14133	984547.3170250766	35.7585550662188	-100.318864	335197.97208743927	432731.28900904	3052.467407458557	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
513	292	15853	-33021.14133	984547.3170250766	35.7585573102276	-100.3165239	335398.9709797815	432727.25526925	3048.832597256925	2593.72775658157	2882.72700347028	2882.41481317780842	61.00813131187696	61.00813131187696
514	292	15854	-32361.14133	984547.3170250766	35.7585595702143	-100.3141839	335599.9693483326	432723.22125031	3044.52648681963	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
515	292	15855	-31701.14133	984547.3170250766	35.7585617420377	-100.3118438	335800.9673794803	432729.18745312	3040.83468093912	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
516	292	15856	-31041.14133	984547.3170250766	35.75856391	-100.3095037	336001.965917448	432725.13573755	3035.506352412793	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
517	292	15857	-30381.14133	984547.3170250766	35.758566016557014	-100.3071636	336202.96403430037	432721.121	3030.928704047773	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
518	292	15858	-29721.14133	984547.3170250766	35.7585687482338	-100.3048235	336403.961957644	432717.087	3020.320386743977	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
519	292	15859	-29061.14133	984547.3170250766	35.75857100887221	-100.3024834	336604.9597126823	432713.05457965	3017.724550861567	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
520	292	15860	-28401.14133	984547.3170250766	35.758572006	-100.3001433	336805.9573052334	432709.12176968	3017.724550861567	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
521	292	15861	-27741.14133	984547.3170250766	35.758572985778056	-100.2978126	337006.9597126823	432705.18697374	3017.724550861567	2593.72775658157	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
522	292	15862	-27081.14133	984547.3170250766	35.75857585631907	-100.2954631	337207.9520277577	432701.95123255	3007.904568765245	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
523	292	15863	-26421.14133	984547.3170250766	35.75857786086026	-100.293123	337408.9491498475	432698.24968661	3001.123510886935	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
524	292	15864	-25761.14133	984547.3170250766	35.75857947577525	-100.290783	337609.9641145642	432694.831440925	2992.16661911673	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
525	292	15865	-25101.14133	984547.3170250766	35.7585812176928	-100.2884429	337810.942917131	432691.68153805	2983.20972934536	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
526	292	15866	-24441.14133	984547.3170250766	35.758582914403576	-100.2861028	338011.9399715981	432688.04152197	2974.252829537811	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
527	292	15867	-23781.14133	984547.3170250766	35.75858465970706	-100.2837872	338212.9630424877	432684.36884856	2967.205252760334	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
528	292	15868	-23121.14133	984547.3170250766	35.7585862271405	-100.2814276	338413.9620440508	432680.73450405	2952.0061984909	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
529	292	15869	-22461.14133	984547.3170250766	35.75858733233865	-100.2790825	338614.92857973813	432676.73700734	2956.819453722932	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
530	292	15870	-21801.14133	984547.3170250766	35.758589249176694	-100.2767424	338815.9620440508	432672.76971565	2951.776475236063	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
531	292	15871	-21141.14133	984547.3170250766	35.758590719852535	-100.2744023	339016.9204699216	432668.67500001	2943.514560634958	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
532	292	15872	-20481.14133	984547.3170250766	35.75859215	-100.2720622	339217.9161799221	432664.46433871	2931.839451554385	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
533	292	15873	-19821.14133	984547.3170250766	35.7585935525328	-100.2697221	339418.9117347302	432660.65880756	2920.25637045216	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
534	292	15874	-19161.14133	984547.3170250766	35.7585949520677	-100.267382	339619.9204699216	432656.884856	2908.722292359613	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
535	292	15875	-18501.14133	984547.3170250766	35.75859615	-100.2650042	339820.9202777031	432653.65753154	2907.16249704541	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
536	292	15876	-17841.14133	984547.3170250766	35.75859735127034	-100.2627019	340021.89746627863	432649.52354341	2915.734630557331	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
537	292	15877	-17181.14133	984547.3170250766	35.7585985456097	-100.2603618	340222.89239958414	432645.493825826	2904.289764098156	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
538	292	15878	-16521.14133	984547.3170250766	35.7585994878792	-100.2580217	340428.881786361	432641.37000138	2892.864671144977	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
539	292	15879	-15861.14133	984547.3170250766	35.758600857807864	-100.2556818	340624.8818	432636.324026903	2883.94203466571	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
540	292	15880	-15201.14133	984547.3170250766	35.75860216206816	-100.2533415	340825.872726412	432632.413740703	2873.97978650336	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
541	292	15881	-14541.14133	984547.3170250766	35.75860346270677	-100.2510014	341027.849793825	432628.3757063	2869.72073334708	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
542	292	15882	-13881.14133	984547.3170250766	35.75860461325073	-100.2486613	341227.849793825	432624.3757063	2869.72073334708	2592.829172662455	2882.72700347028	2882.41481317780842	63.9038770151172	63.9038770151172
543	292	15883	-13221.14133											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ls	BRiElevKgr.ft	BRiElevKgr.ft	W.Ls	SurfBothKgr.ft	SurfBothKgr.ft
625	215965	40989.8586730335	9845457.3170250766	35.78527114119396	-100.6544337	357909.8639393812	4382286.806	3868622563601327	2758.244681263603	2681.442368216229	2681.621268311721	76.80233104683366	76.62341295134183		
626	215966	41558.8586730335	9845457.3170250766	35.78524290132088	-100.6520336	358101.8459015064	4382282.8659981	2686.823442118889	2758.236513932695	2678.822937	76.79204918824838	75.80367706915956	75.70612181083152		
627	215967	42118.8586730335	9845457.3170250766	35.78521409878796	-100.6499738	358311.8277251524	4382284.736	2682.245684216874	2758.262761518674	2678.736291923093	76.7839881478145	74.77113224687408	74.6813981443327		
628	215968	42878.8586730335	9845457.3170250766	35.7851850053268	-100.6474135	358512.8094	4382274.77796903	2687.378007611127	2750.546096555283	2677.187141037077	76.77348212838717	73.10745371165662			
629	215969	43538.8586730335	9845457.3170250766	35.785155466929026	-100.6450734	358713.79007065773	4382270.76910135	2852.037175820099	2748.123862593674	2676.448891900539	76.76543345	71.6750096931746	71.58003786926326		
630	215970	44198.8586730335	9845457.3170250766	35.785124111285	-100.6427333	358914.77248809196	4382266.764091746	2846.69455089095	2745.72291530641	2675.793556433003	76.7603535104001	70.7330008334748	69.733896343		
631	215971	44858.8586730335	9845457.3170250766	35.785100492091314	-100.6403392	359115.75370070423	4382262.750210186	2841.700132958299	2743.5438791825238	2674.8937713890343	76.7538479489238	68.6501836990434	67.6054176496999		
632	215972	45151.8586730335	9845457.3170250766	35.785063966294	-100.6380631	359316.73491652566	4382258.743084619	2837.064126393276	2741.36200753061	2673.8404048138977	76.7508288967204	67.5875933916334	65.7765117885711		
633	215973	45718.8586730335	9845457.3170250766	35.78503556477794	-100.635713	359517.719277579	4382254.4698	2830.235604272206	2739.235604272206	2673.3873179845795	76.74735392	65.84526687224505	64.80416529687578		
634	215974	46383.8586730335	9845457.3170250766	35.78500707567796	-100.6333729	359718.6969035714	4382250.728030262	2827.78527369731	2737.134535652624	2672.730576971214	76.72789832249523	66.40137792	64.85945236031012		
635	215975	47498.8586730335	9845457.3170250766	35.78496839936996	-100.6310328	359917.954572275	4382246.72042974	2824.128252302482	2735.0691192345475	2668.84106	76.70815417739384	66.2203280942753	64.2537015015911		
636	215976	48158.8586730335	9845457.3170250766	35.7849353881293	-100.6286928	360120.6581519702	4382242.7131320005	2817.35377994616	2733.01729336424	2666.840015	76.7068490565968	66.1727880514	64.1870869		
637	215977	48818.8586730335	9845457.3170250766	35.7849024261903	-100.6263527	360321.6386243156	4382238.70609137	2811.7795891736787	2730.975891736787	2664.626533616456	76.7066211874	66.14393812032603	64.76401736869884		
638	215978	49478.8586730335	9845457.3170250766	35.784868614987	-100.6240126	360522.6186226543	4382230.69421691	2816.1046239108405	2728.942024270052	2662.280719058405	76.7065135212657	65.25317351			
639	215979	50138.8586730335	9845457.3170250766	35.7848344447393	-100.621725	360723.5991662771	4382220.699471691	2812.092815287687	2728.914087815233	2660.532859593655	76.706395819752065	64.3812051200749	65.96599594		
640	215980	50798.8586730335	9845457.3170250766	35.784800709121	-100.619324	360924.57923647296	4382226.654904902	2808.74574304907	2727.81459849306	2658.569664	76.70620401614155	63.3217569229674	65.9054196379103		
641	215981	51458.8586730335	9845457.3170250766	35.78477505050173	-100.6169823	361125.5917305744	4382222.67969854	2807.45691236224	2727.824721123494	2658.3447011728584	76.70605432028917	62.972093849097	65.85115740260225		
642	215982	52118.8586730335	9845457.3170250766	35.78472956025495	-100.6146523	361326.5389762356	4382218.67366608	2806.455996205	2720.8629704942887	2650.185330439129	76.70594740232142	60.76477001015985	70.5114334069745		
643	215983	52778.8586730335	9845457.3170250766	35.7846936571927	-100.6123122	361527.5186462141	4382214.67816865	2804.371907006698	2718.85983266678	2648.9548781167928	76.705822122518187	60.59404595497517	70.6386074847892		
644	215984	53438.8586730335	9845457.3170250766	35.7846577292578	-100.6099721	361728.4881831992	4382210.66225316	2803.894824230423	2716.867372111276	2650.6138348232376	76.70568226768933	60.23337453233	68.0447893423046		
645	215985	54098.8586730335	9845457.3170250766	35.7846205506733	-100.607632	361929.477587394	4382208.6786988	2777.558093993626	2714.880712804554	2652.381842569528	76.705491289646218	60.25033024087417	65.6682081781305		
646	215986	54758.8586730335	9845457.3170250766	35.7845831695312	-100.6052919	362130.4960590074	4382202.65171667	2771.270125688107	2712.926002333799	2654.051775052485	76.7053056527455	58.968912726404	64.5626980105343		
647	215987	55418.8586730335	9845457.3170250766	35.78454596430285	-100.6029338	362341.4528550226	4382198.47408813	2770.4376282445	2710.93852568913	2654.1386240517254	76.7051982478511	58.931312175754	64.50416529687578		
648	215988	56078.8586730335	9845457.3170250766	35.7845072566613	-100.6006118	362532.41500530625	4382194.64205106	2765.49713445987	2709.033218107727	2650.75552370556	76.70504553482912	52.776946102645	64.4753474155777		
649	215989	56738.8586730335	9845457.3170250766	35.7844681343195	-100.5982717	362733.3988040321	4382190.76354324	2763.733391415049	2707.130412488847	2648.816716271027	76.704984569066253	45.29887465			
650	215990	57398.8586730335	9845457.3170250766	35.7844295239316	-100.5959316	362934.372637392	4382186.63255533	2762.0101093484	2705.211727916927	2657.095430252749	76.70481369461252	48.1216975384396	64.2930465475714		
651	215991	58058.8586730335	9845457.3170250766	35.7843889824135	-100.5935915	363135.351235223	4382182.61285224	2760.9452185224	2703.3411513158167	2657.137870062919	76.7047012621427	46.20328124659794	64.2504605369197		
652	215992	58718.8586730335	9845457.3170250766	35.784349987299	-100.5912154	363336.3297159534	4382178.6323288	2760.65528524588	2701.4489702	2656.7029469738745	76.704659345962073	44.78675466342554	64.49622673262924		
653	215993	59378.8586730335	9845457.3170250766	35.78431098713	-100.5888913	363537.3682734781	4382174.81268152	2760.3651203527	2699.86515205327	2655.9481528527887	76.704528578877326	43.981312175754	64.4753474155777		
654	215994	60038.8586730335	9845457.3170250766	35.7842736254515	-100.5865713	363738.286382313	4382170.81823905	2760.07710914757	2697.731856594	2654.903565779618	76.70445855779618	42.4546458453293			
655	215995	60698.8586730335	9845457.3170250766	35.7842379542666	-100.5842312	363939.2647312087	4382166.6103821	2759.745881992297	2696.11245574859	2646.064196854929	76.70432724363146	40.0662589193008	64.4832212434319		
656	215996	61358.8586730335	9845457.3170250766	35.7841854935259	-100.5818911	364140.2423229985	4382162.612103085	2759.313456013896	2694.38915584687	2644.913018219334	76.704247593133206	40.96999737	49.64232245328315		
657	215997	62018.8586730335	9845457.3170250766	35.784143295585	-100.579551	364341.2202	4382158.60934047	2759.733809537495	2692.7043717126952	2644.226528120735	76.7041646919008435	40.4778960062169	48.0091818704589		
658	215998	62678.8586730335	9845457.3170250766	35.784100335248	-100.5772109	364542.1978517226	4382154.06907578	2758.763210490194	2691.6012079167295	2645.20730373575	76.704068621189906	40.57911718095449	45.22438672674889		
659	215999	63338.8586730335	9845457.3170250766	35.7840573754246	-100.5748708	364743.7184357718637	4382150.04649006	2758.27914968878	2689.461708135894	2643.732955414618	76.7039456717026	42.13240172127584	41.5153858597138		
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661	216001	64658.8586730335	9845457.3170250766	35.7839697030325	-100.5701907	365145.13016034162	4382142.8	2758.29535955316	2687.340963135006	2641.700955105452	76.703768992052045	40.599697029393	34.12750551		
662	216002	65318.8586730335	9845457.3170250766	35.78392518872725	-100.5678506	365346.1074128975	4382138.59873062	2802.20142194246	2684.93618402001	2652.9050228572687	76.703671223443152	40.3109554473223	31.6653948684992		
663	216003	65978.8586730335	9845457.3170250766	35.783882223671	-100.5655105	365547.0843004484	4382134.597340085	2801.504971182814	2683.520842651695	2654.307265104577	76.7035921051837	29.3210371501836	29.2315785		
664	216004	66638.8586730335	9845457.3170250766	35.7838394039328	-100.5631705	365748.06131072564	4382130.3096	2796.17005	2682.149221830022	2655.6794327912053	76.70349619008435	40.4778960062169	48.0091818704589		
665	216005	67298.8586730335	9845457.3170250766	35.78378893343675	-100.5608304	365949.03023235	4382126.95	2793.831292179884	2680.819153133038	2657.379514070375	76.703406621189906	40.57911718095449	45.22438672674889		
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668	216008	69278.8586730335	9845457.3170250766	35.7836486095446	-100.5538102	366541.965517	4382114.5332441	2793.79719916595	2677.06071	2658.90817169582	76.703161164013	40.3109554473223	31.6653948684992		
669	216009	69938.8586730335	9845457.3170250766	35.7836003079624	-100.5514701	366742.9343866722	4382110.59318425	2797.054891914554	2676.768789	2657.3990415650487	76.7030710320503	40.488847431491213	18.75481		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	LatBearing.ft	SurfBearing.ft
1	23	216091	-363431.1413	985117.1172025076	36.5753883207919	-102.0912013	234477.34721153532	4384991.509457425	371.400647	31.1445889139749	3564.08399699644	3561.602075765887	47.36119114330493	49.84381332861754
12	23	216092	-363681.1413	985117.1172025076	36.5753653763408714	-102.0888816	234876.45100132734	4384987.364152513	3738.801660504337	3609.951857519281	3563.45028875095	3561.71070598324	46.50156876	48.23400656995717
13	23	216093	-363921.1413	985117.1172025076	36.57535891469267	-102.0866219	234879.65872611235	4384983.119070943	3748.19725481341	3564.04469058932	3563.061295258174	3561.43216595932	45.4016595932	47.028303498717676
14	23	216094	-364261.1413	985117.1172025076	36.57361349048279	-102.0841822	235080.656923309	4384979.074	3756.59285799351	3560.963939	3562.439005715657	3561.539960372626	44.7340343838416	45.44400826627255
15	23	216095	-364701.1413	985117.1172025076	36.57363826622726	-102.0818424	235281.7631940777	4384974.92567206	3759.804673020234	3560.51060527628	3561.3694703300383	3561.050819129548	44.11417342618496	44.45978511503199
16	23	216096	-364104.1413	985117.1172025076	36.5736103677659	-102.0795027	235482.866534715	4384970.785165223	3750.0107037030334	3604.044623439064	3559.94875877789	3561.0506539127504	44.0953834127504	44.0793133981835
17	23	216097	-363081.1413	985117.1172025076	36.57368774213076	-102.0777163	235683.96961078106	4384964.6097456	3756.17398452485	3602.58835111987	3558.2363078406893	3558.5383908997248	44.03522712129778	44.05145421
18	23	216098	-363921.1413	985117.1172025076	36.5737142022897	-102.0748233	235885.074262132	4384962.497	3764.300438873466	3601.1394139474714	3556.150310330518	3556.724198566691	44.39802924141967	44.41521538048028
19	23	216099	-363961.1413	985117.1172025076	36.57370717255414	-102.074638	236066.17487987236	4384960.35308745	3764.85248646751	3590.76756918849	3553.9102925861574	3554.7427724571638	44.79246410581964	44.860302547213814
20	23	216100	-363401.1413	985117.1172025076	36.57375158702184	-102.0701143	236287.2772722674	4384954.20974932	3767.533809468001	3598.277091	3551.704313010254	3552.785717253236	45.62777538026255	45.48991881219851
21	23	216101	-365741.1413	985117.1172025076	36.57378611159487	-102.0678041	236488.37930330450	4384950.06645307	3760.754007010427	3596.862380250404	3549.581782339395	3549.203085701429	47.27085753046646	46.630252413454905
22	23	216102	-367081.1413	985117.1172025076	36.57381050997252	-102.0654464	236689.4801732816	4384945.92338013	3763.704633172252	3549.495089284896	3547.6074237068535	3548.36182526637	47.85217521263162	47.077796586852525
23	23	216103	-366421.1413	985117.1172025076	36.57383052515469	-102.0631247	236890.58258241743	4384941.780330991	3765.104837429963	3594.082056718683	3545.837048486221	3548.63028884961	48.2312572	47.43791786905134
24	23	216104	-365761.1413	985117.1172025076	36.5738941411364	-102.0607085	237091.6833090768	4384937.63904538	3765.085241115603	3592.686127113464	3544.1873711278167	3544.060127914204	48.50124608354736	47.3284001716022
25	23	216105	-365101.1413	985117.1172025076	36.57386379379254	-102.0584452	237292.584181896623	4384934.95041244	3762.0221250211574	3592.303343017635	3542.363865059334	3544.660168837014	48.45646983873074	47.2601841805313
26	23	216106	-364441.1413	985117.1172025076	36.57390805562809	-102.0561055	237483.8855467989	4384929.35321102	3764.958258727154	3589.962584323974	3541.775311626107	3542.0580921270704	48.1850310703766	47.00440210591705
27	23	216107	-363781.1413	985117.1172025076	36.57393230998202	-102.0537588	237694.8801460346	4384925.211364108	3764.5562913074364	3588.816107	3540.915789002558	3540.055615023926	48.5594822069226	46.55969218472596
28	23	216108	-363121.1413	985117.1172025076	36.57396551813224	-102.051426	237896.0862225943	4384921.09642039	3763.8110061540538	3587.204584828373	3540.246923936898	3541.355909379638	47.03352908393936	45.92446810313916
29	23	216109	-362461.1413	985117.1172025076	36.57398068114074	-102.0490863	238097.18617097167	4384916.982119524	3763.06212503221	3585.9553240111386	3539.7909574232425	3540.8505542535527	46.2266587896116	45.10476975758993
30	23	216110	-361801.1413	985117.1172025076	36.5740047585904	-102.0467466	238298.2858959283	4384912.786831024	3762.32423558288	3584.6047457889904	3539.214421941834	3540.496279938105	45.42632237159621	44.143817917096
31	23	216111	-361141.1413	985117.1172025076	36.57402871582335	-102.0444068	238499.38593870033	4384908.465403412	3758.02571269051	3583.37826379237	3538.525307331025	3538.013058689933	44.80402530690264	43.00572367888054
32	23	216112	-360481.1413	985117.1172025076	36.5740528990334	-102.0420671	238700.4845604891	4384904.505450452	3755.02766725508	3582.04356526233	3537.05160027096	3540.18805833807	44.516653597836	43.8548597382542
33	23	216113	-360221.1413	985117.1172025076	36.5740811228467	-102.039166	238910.17162157682	4384900.3408254	3754.54465231811	3581.297837178416	3537.05160027096	3540.18805833807	44.516653597836	43.8548597382542
34	23	216114	-349161.1413	985117.1172025076	36.57410081825757	-102.0373678	239102.8612591822	4384986.22301575	3753.78749922004	3579.4873	3533.901513594306	3539.32106103533	46.5671250290418	40.1653931324679
35	23	216115	-348601.1413	985117.1172025076	36.57412471	-102.0350478	239303.78052097033	4384982.08378494	3735.917403195247	3737.2017260447035	3531.585869	3538.153997066764	45.48151323791475	40.702380020778
36	23	216116	-347841.1413	985117.1172025076	36.5741485672778	-102.0327081	239504.8786575597	4384887.943789497	3736.612296134958	3576.97119464206	3529.09647556319	3535.1661619203783	47.8793719	41.8099574382775
37	23	216117	-347181.1413	985117.1172025076	36.57417238168745	-102.0303684	239705.9763878223	4384873.60035735	3737.3017887502147	3576.7310871562149	3526.7178237754724	3535.1533578762738	49.0182594948847	44.2025298229228
38	23	216118	-346621.1413	985117.1172025076	36.574196114341	-102.0280286	239907.07419531068	4384879.64660721	3738.002081365558	3574.509942743757	3524.332452288036	3530.049808456426	50.18047445727004	44.4601162873095
39	23	216119	-345861.1413	985117.1172025076	36.57421982546221	-102.0259688	240108.17162157682	4384874.58657134	3722.194852	3525.1942748950454	3522.21056943563	3529.090991	50.36827801779	44.4601162873095
40	23	216120	-345201.1413	985117.1172025076	36.57424349114604	-102.023491	240309.26891234935	4384870.28211935	3749.934912361134	3529.769776412135	3520.19436051	3527.354052520854	51.00487110621198	44.8459321194762
41	23	216121	-344541.1413	985117.1172025076	36.57426711197005	-102.0210093	240510.3547770505	4384867.247300053	3749.3516554661267	3527.9013186522428	3518.2618940264233	3517.619043812354	51.0254629281945	43.7519147100435
42	23	216122	-343881.1413	985117.1172025076	36.57429068743005	-102.0186696	240711.46206922141	4384863.108779857	3753.71542058238	3569.7422327671876	3516.5597126871876	3537.2190294735902	53.18250027753926	42.72019771222375
43	23	216123	-343221.1413	985117.1172025076	36.57431421769391	-102.0163298	240912.55840471515	4384859.9322243	3751.2354446795257	3568.58458758737	3515.034262023348	3535.70547759882	53.5501256642892	32.8763892775523
44	23	216124	-342561.1413	985117.1172025076	36.57433710276091	-102.0139901	241113.654836921	4384840.83227656	3741.885249785205	3567.040606715853	3513.530168997785	3533.52985181819	53.91049186	33.910893803324
45	23	216125	-341901.1413	985117.1172025076	36.57436114263144	-102.0118053	241314.790305378	4384850.69420689	3732.530538820954	3562.100564148414	3512.70684148414	3530.962780847853	54.2101692014459	35.347962500523
46	23	216126	-341241.1413	985117.1172025076	36.57438457320545	-102.009166	241518.9457282004	4384846.58657134	3722.194852	3525.1942748950454	3513.530168997785	3533.52985181819	53.91049186	33.910893803324
47	23	216127	-340581.1413	985117.1172025076	36.57440788678292	-102.0069708	241716.918183525	4384842.419071873	3725.052986220724	3564.0903923018937	3509.110287	3537.923551703477	54.9894526053956	58.392234398298
48	23	216128	-339921.1413	985117.1172025076	36.57443111903678	-102.004631	241918.0362	4384838.281799434	3739.54937734955	3563.000526006095	3507.3662191593376	3522.8432201193314	55.6330704671919	41.15710086986969
49	23	216129	-339261.1413	985117.1172025076	36.57445145	-102.0022913	242119.1131	4384834.174479875	3753.578318482519	3505.754667505006	3518.202165952506	3518.202165952506	56.343021026194	43.72101828786055
50	23	216130	-338601.1413	985117.1172025076	36.57447766403553	-101.9999515	242320.2258224363	4384830.07923302	3767.06226875138	3560.856422808685	3504.0197958416563	3517.929275521087	56.83884679921206	45.526760275082
51	23	216131	-337941.1413	985117.1172025076	36.57450083273634	-101.9978717	242521.31987137406	4384825.031731975	3768.1134772282135	3559.8084854482895	3502.73387822393	3509.72323291451	57.019762965864	50.0831625377461
52	23	216132	-337281.1413	985117.1172025076	36.57452396627003	-101.995272	242722.4134905367	4384821.734390981	3759.10464534078	3557.290728790762	3500.57175227091	3505.728369942184	58.1994765184683	52.992358847948
53	23	216133	-336621.1413	985117.1172025076	36.57454695154898	-101.9928838	242923.6562517276	4384816.58657134	3752.194852	3525.1942748950454	3513.530168997785	3533.52985181819	53.91049186	33.910893803324
54	23	216134	-335961.1413	985117.1172025076	36.57457006717972	-101.9905024	243124.6011203771	4384813.46236713	3755.10884550505	3556.77778300417	3497.923551703477	3498.415506391484	58.349256053956	58.392234398298
55	23	216135	-335301.1413	985117.1172025076	36.57459303552132	-101.9882526	243325.6948128567							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBothKgr.f
129	23	26127	-28181.1413	985117.3170205766	35.76324254484064	-101.7963863	259814.4973284547	4384470.956784248	3922.6615291596907	3424.5080441171694	3326.1938855212634	3325.0269380564896	11.4131589588606	17.48110606097985
130	23	26128	-280521.1413	985117.3170205766	35.76343434089788	-101.7940464	260015.5170253029	4384466.839562363	3588.0174959123415	3441.262655656515	3322.8503536465056	3321.2282199602069	11.61722992020039	120.23435538888487
131	23	26129	-279861.1413	985117.3170205766	35.7635628211135	-101.7917668	261423.0780062171	4384462.7224324821	3587.516896778527	3440.42483651006	3319.2608519964533	3320.7441625211206	12.0416125211206	123.16417554545287
132	23	26130	-279201.1413	985117.3170205766	35.7638182812443	-101.7893664	260417.51752824047	4384456.60575619	3584.9339510112045	3439.393611012045	3317.1559648626994	3314.019053219215	12.37348977191895	125.2748977191895
141	23	26131	-278541.1413	985117.3170205766	35.76400298937126	-101.7870268	260618.7876	4384454.48919474	3588.820917774294	3438.3691830679827	3315.4103234505785	3312.9588961290423	12.7275544032173	127.725544032173
142	23	26122	-277881.1413	985117.3170205766	35.7641954549396	-101.7846869	260819.85509541337	4384451.3284194	3588.455912723171	3434.271779069676	3313.366805338907	3310.766969145081	12.56299601322593	125.56299601322593
143	23	26123	-277221.1413	985117.3170205766	35.7643689496121	-101.782347	261020.33109965022	4384446.256727963	3588.65469741651	3436.360278537634	3313.584233458612	3313.61403785331347	12.7157943861158	121.7921515224197
144	23	26124	-276561.1413	985117.3170205766	35.7645789	-101.780071	261222.00256798544	4384442.140830033	3588.6430094899948	3435.326603235937	3312.866265166188	3310.611202095018	12.74603302643858	119.3104760243858
145	23	26125	-275901.1413	985117.3170205766	35.764769818324	-101.777667	261423.0780062171	4384438.2224324821	3587.516896778527	3440.42483651006	3319.2608519964533	3320.7441625211206	12.0416125211206	123.16417554545287
146	23	26126	-275241.1413	985117.3170205766	35.7649574593395	-101.7753273	261624.144797585	4384433.909701077	3587.0530404485	3432.31295669217	3317.9429523696217	3313.9764856254522	12.13722372580741	119.3374100464949
147	23	26127	-274581.1413	985117.3170205766	35.7651454862005	-101.7729874	261825.21555662478	4384429.7940034	3583.0160157206765	3432.1287135975	3311.558336	3310.321080356708	12.07196107	118.9818435204738
148	23	26128	-273921.1413	985117.3170205766	35.7653336901185	-101.7706475	262026.2860964032	4384425.67461269	3581.22118602081	3431.30921964677	3311.213935233883	3310.766977915334	12.09582421088407	118.5393216723364
149	23	26129	-273261.1413	985117.3170205766	35.7655221800235	-101.7683076	262227.356373036	4384421.564647272	3591.608421479852	3430.304286632194	3311.336349202457	3311.567318	118.979374307625	118.73969843002926
150	23	26130	-272601.1413	985117.3170205766	35.7657080227515	-101.7659577	262428.426345573	4384417.450110542	3595.904624399403	3429.297454447064	3311.514357544285	3310.766977915334	12.09582421088407	118.5393216723364
151	23	26131	-271941.1413	985117.3170205766	35.7658945103424	-101.7636278	262629.4925582494	4384413.336	3596.1450540179948	3428.2875058019945	3311.9372398	3315.5739549101327	11.763209441203448	112.7135517108818
152	23	26132	-271281.1413	985117.3170205766	35.7660805460154	-101.7612879	262830.565849462	4384409.221148846	3598.329104755835	3427.2746391162677	3312.631753333987	3315.876801943243	11.46428981	111.3973747302452
153	23	26133	-270621.1413	985117.3170205766	35.7662661304524	-101.758948	263031.6352013189	4384405.10713565	3583.514368266185	3426.25847068587	3313.513689098525	3312.77378783342	12.7447816717806	109.811199023451
154	23	26134	-269961.1413	985117.3170205766	35.7664512624944	-101.756081	263232.7043219486	4384400.940476115	3577.699023299493	3425.239044822299	3313.2661160122291	3313.5645267719206	11.91728846006025	117.928846006025
155	23	26135	-269301.1413	985117.3170205766	35.7666336425276	-101.754281	263433.7320884087	4384406.860230975	3574.97333666035	3424.216817033181	3313.510882	3314.299046783087	12.70593474884117	109.9177702493782
156	23	26136	-268641.1413	985117.3170205766	35.7668201705512	-101.7519282	263634.8412665015	4384392.767392296	3575.3319615415297	3423.1921954015297	3313.610742205891966	3313.5671313562208	11.917381233316	108.23028183923183
157	23	26137	-267981.1413	985117.3170205766	35.7670303465651	-101.7495883	263835.910282838	4384388.654	3575.701378605717	3422.165644189794	3315.61406586997	3310.766977915334	12.09582421088407	118.5393216723364
158	23	26138	-267321.1413	985117.3170205766	35.7671873	-101.7472484	264036.974071561	4384384.541597328	3576.05348226557	3421.1374026616	3313.980146647746	3312.2442140263487	10.73376278971954	108.8139047631291
159	23	26139	-266661.1413	985117.3170205766	35.7673403254514	-101.7444695	264245.44687410875	4384380.428032135	3576.338933240015	3420.1383732652485	3313.980146647746	3312.2442140263487	10.73376278971954	108.8139047631291
160	23	26140	-266001.1413	985117.3170205766	35.7675255265325	-101.7425868	264439.1142455703	4384376.31669105	3577.3433478100347	3419.056068311887	3307.932711556727	3305.6742348302853	11.1439354	113.40393310159577
161	23	26141	-265341.1413	985117.3170205766	35.7677343306064	-101.7402287	264640.1817380062	4384372.764591434	3578.037398122006	3418.0613587234884	3304.720755668831	3301.93389700673	12.746922801577	116.7429602281577
162	23	26142	-264681.1413	985117.3170205766	35.767916405659	-101.7378888	264841.24899307189	4384368.093	3578.8046184367096	3417.036312596616	3301.8291011338665	3308.25035035532	11.5207214627494	118.78427564300417
163	23	26143	-264021.1413	985117.3170205766	35.7680971105136	-101.7355488	265042.360186218	4384363.98096192	3576.411863	3416.0073672654435	3299.269768190011	3294.828249647671	11.67759907543263	121.17917777259
164	23	26144	-263361.1413	985117.3170205766	35.7682777224481	-101.7332089	265243.38281215297	4384359.8696248865	3570.8957154377617	3414.974531740437	3297.157974626817	3291.563870707241	11.8169342779619	123.4106323402445
165	23	26145	-262701.1413	985117.3170205766	35.768459786237198	-101.7308619	265445.3574969374	4384355.758113125	3568.3759637842858	3413.8389371834285	3296.487243399943	3290.7368341375085	12.51259404773291	122.514756819278
166	23	26146	-262041.1413	985117.3170205766	35.76864255228624	-101.7285129	265645.4019769374	4384351.24733075	3568.255226913015	3412.9027386254871	3295.737967397357	3291.1487	122.08228677162423	123.0801524456224
167	23	26147	-261381.1413	985117.3170205766	35.7688186461787	-101.7261892	265846.58180411457	4384347.353515858	3567.3383318308997	3411.8667378157834	3293.03433335804	3286.03623700088	11.7583344799757	125.8034461175149
168	23	26148	-260721.1413	985117.3170205766	35.7689956500619	-101.7238492	266047.647627559	4384343.425951121	3567.869301358884	3410.83219299644	3291.976754911996	3286.456325774157	11.85754380044467	124.37689352548705
169	23	26149	-260061.1413	985117.3170205766	35.7691740019309	-101.721593	266248.731032085	4384339.315680507	3575.045268448586	3409.80181540192	3290.73268394828	3286.312845924928	11.0685473453641	125.0685473453641
170	23	26150	-259401.1413	985117.3170205766	35.7693519017858	-101.7191694	266449.7787	4384335.205	3582.22136445884	3408.7742658149	3289.330871063919	3285.843952547943	11.49433955212422	122.9308730662714
171	23	26151	-258741.1413	985117.3170205766	35.76952954952605	-101.7168294	266650.6348947304	4384331.058958922	3584.006770248026	3407.752756273693	3297.73048665033	3285.298327244346	12.0519269297260	122.9963139878489
172	23	26152	-258081.1413	985117.3170205766	35.7697057045414	-101.7144695	266851.908409254	4384327.98301335	3581.9017958	3406.727304365286	3295.028952320203	3281.4112847159	12.0893337208517	122.941756819278
173	23	26153	-257421.1413	985117.3170205766	35.76988288926105	-101.7121496	267052.973577246	4384322.87649143	3578.036501573474	3405.718104516955	3283.648553842413	3282.32138169492	12.08228677162423	123.0801524456224
174	23	26154	-256761.1413	985117.3170205766	35.7700588105554	-101.7098097	267254.0380447634	4384318.767227037	3576.7054137833147	3404.738441266821	3281.282167179153	3280.22750645139	12.43562740976613	124.51093481542694
175	23	26155	-256101.1413	985117.3170205766	35.7702342608337	-101.7074697	267455.103202257	4384314.658217006	3575.382211389907	3403.762518	3278.843549656113	3278.00387788018	12.491945361906	125.7658697750184
176	23	26156	-255441.1413	985117.3170205766	35.7704098085957	-101.7051298	267656.1663300506	4384310.45492053	3576.3668943502544	3402.8070758461627	3276.37676939416	3275.725001353324	12.4033064497341	127.0820744282837
177	23	26157	-254781.1413	985117.3170205766	35.7705845434095	-101.7027899	267857.2301296104	4384306.40893162	3575.341731106017	3401.873110413063	3273.984625970455	3273.736773662041	12.788848381655816	128.433631720236
178	23	26158	-254121.1413	985117.3170205766	35.7707683067962	-101.700449	268059.239699223	4384302.312597802	3575.176162007949	3400.9634995172423	3271.75733992171	3271.406383639654	12.7899255071025	128.829158817269
179	23	26159	-253461.1413	985117.3170205766	35.77095255228624	-101.6981092	268259.3574969374	4384298.3143434	3574.9054137833147	3400.738441266821	3270.6179531386	3270.6179531386	12.491945361906	125.7658697750184
180	23	26160	-252801.1413	985117.3170205766	35.7711068043976	-101.6957701	268460.420	4384304.31497802	3575.198454570398	3399.20395650547	3268.6091381545007	3267.10581558553	12.621793020049812	132.8529020049812
181	23	26161	-252141.1413	985117.31702										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	UTM.Z	SurfElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatH2022Kgr.ft	SatHBoth.ft
263	293	26343	-198021.1413	985117.3172025076	35.7839207893085	-101.501517	285147.882832497	3383953.934	3393.385105757202	3362.2767876963	315.274985180545	315.027578678186	315.0292291694761	130.3396820150696	
264	293	26344	-197361.1413	985117.3172025076	35.7840561941006	-101.4992116	285348.9272	3383948.44534569	3386.152458630192	3279.578213360739	315.362577	314.8487112285593	314.2156350521968	130.521007758098	
265	293	26345	-196701.1413	985117.3172025076	35.7841911554696	-101.496216	285449.78370794	3383945.75378094	3395.936386	3287.798242587794	315.036849915662	314.7789723687656	312.761298179745	130.008518894928	
266	293	26346	-196041.1413	985117.3172025076	35.78432566048555	-101.4845316	285571.1901760106	3383941.66694045	3377.665206760845	3276.028019603278	315.649589025456	314.4497102855935	310.3786500978272	131.03091267136021	
267	293	26347	-195381.1413	985117.3172025076	35.7844591734578	-101.4821196	285652.0590408226	3383937.578337397	3373.621659144037	3274.2689005307195	315.2707739116125	314.3360722166129	317.06089691817904	130.307878366152	
268	293	26348	-194721.1413	985117.3172025076	35.7845931438665	-101.4898515	285613.107543004	3383934.48949776	3370.7737851742637	3272.32019454065	315.962801154926	314.2575182931746	312.7545182931746	130.3407517645034	
269	293	26349	-194061.1413	985117.3172025076	35.784726632714	-101.4875115	285634.1473568737	3383929.402	3367.9259112075906	3270.7831959663094	316.8379153426514	314.2849470904766	310.9640025397525	128.844728222387	
270	293	26350	-193401.1413	985117.3172025076	35.7848569161154	-101.4851715	285655.190747964	3383925.31832585	3365.078037238935	3269.07110261268	316.7902554480676	313.7256900779593	310.3088477818088	131.80414518330917	
271	293	26351	-192741.1413	985117.3172025076	35.78499140490784	-101.4826216	285676.3305282623	3383921.22118629	3363.57605567645	3267.3458751662	317.418898511586	313.35351050322623	310.989783248616	129.989783248616	
272	293	26352	-192081.1413	985117.3172025076	35.78512319755896	-101.4804214	285697.279965309	3383917.13826211	3354.419665294245	3265.37715171037	316.834325976252	314.45293824105	97.9033954	120.1547826669395	
273	293	26353	-191421.1413	985117.3172025076	35.785255383632	-101.4781514	285718.319670591	3383913.05119927	3348.263873793033	3263.344895263097	316.23896784508893	315.036829769581	315.0521681142045	113.90806540275885	
274	293	26354	-190761.1413	985117.3172025076	35.7853854270261	-101.4758114	285739.36226149	3383908.964258368	3347.07788229182	3262.26339581289	315.6484243113626	315.3627897313254	315.054192569925	108.8945245996372	
275	293	26355	-190101.1413	985117.3172025076	35.785515863416	-101.4734713	285760.405274317	3383904.7814132	3340.8402785857156	3260.592047	315.7159637174536	315.2531668724098	316.870833236336	105.2793810158044	
276	293	26356	-189441.1413	985117.3172025076	35.785645842115	-101.4711313	285786.44710038	3383900.7909208	3326.461348448094	3258.92616318294	314.946125572914	314.860656105171	311.9804907533794	100.5769303012289	
277	293	26357	-188781.1413	985117.3172025076	35.7857753807351	-101.4687913	285792.4886396966	3383896.70401583	3318.08241312094	3257.26347457679	314.2491916	316.1767939741196	314.77115313876	95.4969177165933	
278	293	26358	-188121.1413	985117.3172025076	35.7859044612125	-101.4664315	285813.5303983717	3383892.61822525	3309.70488175283	3255.0346498371	313.840042451058	314.40083371543	317.5623970574633	84.1627431288799	
279	293	26359	-187461.1413	985117.3172025076	35.78603396384354	-101.4641112	285834.571872519	3383892.52270215	3302.769977859616	3253.94849152145	313.7185510425575	317.139986491235	320.2299404768877	76.8084928721186	
280	293	26360	-186801.1413	985117.3172025076	35.7861612660277	-101.4617172	285856.613773303	3383884.4634564	3297.28178338136	3252.9986711259487	312.9740698874474	318.2953913401873	323.2297123850124	69.4032798212016	
281	293	26361	-186141.1413	985117.3172025076	35.7862889603647	-101.4594311	285876.654274083	3383880.36103267	3291.783796920298	3250.654477485254	312.4351858498539	318.5692436493784	326.2951898671506	64.0542125847609	
282	293	26362	-185481.1413	985117.3172025076	35.7864162865547	-101.4570911	285897.69516403927	3383876.275732745	3286.30546204268	3249.016304526048	311.3939245380855	317.9375329	329.6328	69.4708478155067	
283	293	26363	-184821.1413	985117.3172025076	35.78654308289714	-101.4547511	285918.7386403508	3383872.191	3288.81298353991	3247.38467902956	314.17526019041	315.897866873204	323.2071272712554	89.48798050779372	
284	293	26364	-184161.1413	985117.3172025076	35.7866694519018	-101.452411	285938.7632170205	3383868.105814063	3286.25429399673	3246.7620948498	310.202321869442	314.384178176359	316.2596269520163	110.8984932583496	
285	293	26365	-183501.1413	985117.3172025076	35.7867959115915	-101.4500711	285959.763692702	3383864.02118629	3284.58514530229	3244.06102271357	314.197752703089	316.176875718687	312.6888241197167	115.3316809757353	
286	293	26366	-182841.1413	985117.3172025076	35.78692003133724	-101.447731	285971.8565193654	3383859.9370436	3282.3206027005217	3242.534903375574	310.7553843430116	313.127789070191	314.5081059454055	129.4121330369623	
287	293	26367	-182181.1413	985117.3172025076	35.7870458433873	-101.4453809	285992.8696072833	3383855.85295327	3280.582496701606	3240.83493675063	310.427966537307	313.395904731627	310.9697327019933	126.9751490383929	
288	293	26368	-181521.1413	985117.3172025076	35.7871790451306	-101.4430509	286013.936253265	3383851.76882901	3334.634744717126	3239.32464935976	311.0358856495907	315.1676899752304	322.703783264687	122.683518729713	
289	293	26369	-180861.1413	985117.3172025076	35.787279451140276	-101.4407108	286034.9759994004	3383847.68488911	3237.761640736692	3237.761640736692	311.4958006	311.6768097707196	322.1203630770196	121.062654757856	
290	293	26370	-180201.1413	985117.3172025076	35.7874181673057	-101.4383708	286056.014936465	3383843.601365225	3236.718750559516	3236.190758	311.6403354746647	317.0106092	320.1447272585512	119.1297866949994	
291	293	26371	-179541.1413	985117.3172025076	35.7875461571158	-101.4360308	286077.0538962702	3383840.22118629	3235.58514530229	3224.06102271357	314.197752703089	316.176875718687	312.6888241197167	115.3316809757353	
292	293	26372	-178881.1413	985117.3172025076	35.78767241229346	-101.4336907	286098.7927744734	3383836.43996928	3233.51782550244	3223.0802970177157	313.5082779307155	316.7204161500993	317.5772446418928	115.727446418928	
293	293	26373	-178221.1413	985117.3172025076	35.7877864227172	-101.4313507	286119.7314154771	3383831.35218497	3231.353368624953	3221.543240384593	315.9035773030243	315.8981816627002	315.6378703	117.6580613856904	
294	293	26374	-177561.1413	985117.3172025076	35.787902704212	-101.4290106	286138.1698314727	3383827.26949182	3227.5588396094637	3220.01673030925	315.4701169035807	312.4164882475042	314.5466201273444	117.757425285829	
295	293	26375	-176901.1413	985117.3172025076	35.7880296660748	-101.4267606	286158.2042069646	3383823.187	3225.8493273240765	3220.051029565524	315.007782076219	311.1395931899623	315.4937348033357	117.7057275845997	
296	293	26376	-176241.1413	985117.3172025076	35.7881506097764	-101.4243305	286178.2460457504	3383819.104882012	3224.969180828214	3226.963917057535	314.822426389547	310.98908869274624	312.7111906820648	117.3005408811106	
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298	293	26378	-174921.1413	985117.3172025076	35.788391171198	-101.4195071	286218.3214	3383810.941	3224.06102271357	314.197752703089	316.176875718687	312.6888241197167	312.6888241197167	115.3316809757353	
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300	293	26380	-173601.1413	985117.3172025076	35.788629635792	-101.4147903	286258.960339375	3383802.7831058	3221.7370456451318	3221.05498213827	315.168639017209	310.9890672556549	310.7189125692616	115.503402294615	
301	293	26381	-172941.1413	985117.3172025076	35.7887485469256	-101.4126303	286278.4330266276	3383798.692773218	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
302	293	26382	-172281.1413	985117.3172025076	35.78886677822034	-101.4102992	286298.468004062	3383794.616	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
303	293	26383	-171621.1413	985117.3172025076	35.78898845746256	-101.4079692	286318.5083842366	3383790.355713338	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
304	293	26384	-170961.1413	985117.3172025076	35.789101984524	-101.4056101	286339.54276151806	3383786.455	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
305	293	26385	-170301.1413	985117.3172025076	35.789219169886	-101.403271	286360.584935976	3383782.7831058	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
306	293	26386	-169641.1413	985117.3172025076	35.7893351828739	-101.40093	286381.6149080754	3383783.78295	3220.6825185892047	3219.6103018229337	315.26044971202	314.04940551448	310.4206487340793	115.503402294615	
307	293	26387	-168981.1413	985117.3172025076	35.7894511539052	-101.39859	286393.6506775483	3383774.21533044							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
329	216489	-114861.1413	985117.3170250766	35.57974222218176	-101.2067031	110477.9150916775	4383440.42638048	3288.964639625735	3108.456410103581	3009.858528	2991.901393533369	985117.3170250766	35.57974222218176	116.55501570271205
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331	216471	-113641.1413	985117.3170250766	35.5797878700043	-101.200329	110879.9642961909	4383432.303718453	3281.127966969437	3105.158453136637	3009.981847531812	2991.9150964263374	985117.3170250766	35.5797878700043	114.96865316318127
332	216472	-112881.1413	985117.3170250766	35.5797654157439	-101.196628	110800.9786196367	4383426.27718187	3276.3995167907217	3104.96759797217	3008.544535370087	2990.771362657341	985117.3170250766	35.5797654157439	114.21661821144632
333	216473	-112221.1413	985117.3170250766	35.57973350951406	-101.1937427	111281.9927593918	4383424.181938213	3271.534331177887	3103.8282948803697	3007.921777613467	2990.319702820625	985117.3170250766	35.57973350951406	113.5085855837025
334	216474	-111561.1413	985117.3170250766	35.57978105111652	-101.1905026	111483.0117	4383420.11237814	3265.951146627054	3102.649845034046	3007.2301547744396	2990.35482451812	985117.3170250766	35.57978105111652	112.29436258223263
335	216475	-110901.1413	985117.3170250766	35.57978863047474	-101.1926265	111684.0304859298	4383416.01003978	3263.009124	3101.46223840668	3006.16480296581	2990.102200812954	985117.3170250766	35.57978863047474	111.30603789371421
336	216476	-110241.1413	985117.3170250766	35.57979621	-101.1903224	111885.0490730673	4383412.00092052	3249.849265	3100.26731028039	3005.32410208422	2990.1956028529234	985117.3170250766	35.57979621	110.707171036365
337	216477	-109691.1413	985117.3170250766	35.57980736370124	-101.1879283	112086.0674768621	4383407.941	3246.1628454222103	3098.649455222103	3004.369445388979	2990.28151402147	985117.3170250766	35.57980736370124	109.69653165318175
338	216478	-108921.1413	985117.3170250766	35.57981121970735	-101.1856421	112237.0589942711	4383403.81343777	3235.529546	3097.86351712123	3003.5269828432783	2990.573741342456	985117.3170250766	35.57981121970735	108.2647753578776
339	216479	-108261.1413	985117.3170250766	35.579818657837606	-101.183302	112488.1073259883	4383399.822	3251.589148126378	3096.6400832860767	3002.265264562906	2989.05167461	985117.3170250766	35.579818657837606	106.98202115511662
340	216480	-107601.1413	985117.3170250766	35.57982605670636	-101.1809619	112689.121585798	4383395.76263815	3250.866121059978	3095.42238827715	3000.977828242782	2989.1741368161005	985117.3170250766	35.57982605670636	105.64810201155433
341	216481	-106941.1413	985117.3170250766	35.5798333847705	-101.1786218	112890.1392560229	4383391.70348167	3250.147274245878	3094.193299820774	2999.6325757835484	2989.040832940724	985117.3170250766	35.5798333847705	103.7843117904431
342	216482	-106281.1413	985117.3170250766	35.5798407098619	-101.1762817	113091.1567347484	4383387.64342525	3249.426337	3092.957776069143	2998.27463232915505	2989.1383162788673	985117.3170250766	35.5798407098619	101.81945901257574
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348	216488	-102321.1413	985117.3170250766	35.57988336669246	-101.162241	114297.2578415766	4383363.29687978	3229.308034	3085.4416496101385	2992.243731456103	2989.952478823879	985117.3170250766	35.57988336669246	93.19791815
349	216489	-101681.1413	985117.3170250766	35.57989305275191	-101.1599008	114498.2740554098	4383359.2349028	3228.94303735818	3084.1765241722938	2990.922702	2988.610898792547	985117.3170250766	35.57989305275191	92.58213621937451
350	216490	-101001.1413	985117.3170250766	35.57989746304214	-101.1575908	114699.2800881191	4383352.12939053	3225.17146817083	3082.903964070694	2989.410473387704	2987.0262530500587	985117.3170250766	35.57989746304214	90.8625454700661
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353	216493	-99021.1413	985117.3170250766	35.57991804491809	-101.1505404	115302.337015664	4383340.21026022	3214.336271496687	3079.1050929673165	2986.5344663877663	2981.7083847552114	985117.3170250766	35.57991804491809	86.257063780821
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356	216496	-97041.1413	985117.3170250766	35.5799381	-101.1435201	115905.382922452	4383330.84403028	3205.1737132474545	3075.287237683852	2979.7412875611666	2976.7352161444557	985117.3170250766	35.5799381	81.54559011668516
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360	216500	-94401.1413	985117.3170250766	35.579964415734175	-101.1341596	116709.4400596544	4383314.6245113	3200.713055533614	3070.173055533614	2974.311221212666	2970.684669	985117.3170250766	35.579964415734175	75.861834209481
361	216501	-93741.1413	985117.3170250766	35.57997085936923	-101.1318195	116910.454525951	4383310.56983053	3200.79786452735	3068.885015172287	2973.33425688465	2968.872147129672	985117.3170250766	35.57997085936923	74.001286804217
362	216502	-93081.1413	985117.3170250766	35.5799757267323	-101.1294793	117111.4682788335	4383305.51146025	3200.675932114482416	3067.9532114482416	2972.602492505017	2967.968794010384	985117.3170250766	35.5799757267323	72.4336242743944
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365	216505	-91101.1413	985117.3170250766	35.579996118542635	-101.122459	117714.5090388805	4383293.32899371	3200.5182048197445	3064.80478129133	2970.18797002029	2965.533072762582	985117.3170250766	35.579996118542635	66.14791935
366	216506	-90441.1413	985117.3170250766	35.5800023906009	-101.120118	117915.5252462015	4383290.29977386	3200.5182048197445	3063.6713841696157	2970.18797002029	2965.533072762582	985117.3170250766	35.5800023906009	64.10390362970944
367	216507	-89781.1413	985117.3170250766	35.58000571389406	-101.1177787	118116.5352317296	4383286.24465504	3200.5182048197445	3062.5416701103	2970.18797002029	2965.533072762582	985117.3170250766	35.58000571389406	62.25175122680251
368	216508	-89121.1413	985117.3170250766	35.58001468951073	-101.1154386	118317.54803941975	4383282.19341317	3200.5182048197445	3061.497807512234	2970.18797002029	2965.533072762582	985117.3170250766	35.58001468951073	60.3382732632994
369	216509	-88461.1413	985117.3170250766	35.5800207042465	-101.113098	118518.560669893	4383278.140562013	3200.5182048197445	3060.44877953103	2970.18797002029	2965.533072762582	985117.3170250766	35.5800207042465	58.42013573763569
370	216510	-87801.1413	985117.3170250766	35.580026817131184	-101.1107583	118718.573	4383274.67930391	3200.5182048197445	3059.410826175009134	2970.18797002029	2965.533072762582	985117.3170250766	35.580026817131184	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHBothKrg.ft	
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516	23	216596	-31041.14133	985117.3170250766	39.58037685	-100.9095064	336006.0047209552	4329526.38400417	3038.91424989607	2932.234522011334	2858.76564270537	2868.122721413534	64.4588477905406	55.1076047599743
517	23	216597	-30381.14133	985117.3170250766	39.5803768549095	-100.9095064	336007.0066209552	4329526.38400417	3038.91424989607	2932.234522011334	2858.76564270537	2868.122721413534	64.4588477905406	55.1076047599743
518	23	216598	-29271.14133	985117.3170250766	39.5803801	-100.904261	336408.0004252234	43291317189838	3028.903710940835	2919.61469840571	2852.17484810687	2871.963845621249	67.6007760670579	47.8476049505057
519	23	216599	-28061.14133	985117.3170250766	39.58038302717944	-100.902486	336608.99776921165	432912418111692	3027.820574080827	2917.41396485956	2873.77901123362	2876.11775946486	44.04155496457863	44.04155496457863
520	23	216600	-24001.14133	985117.3170250766	39.58038409518253	-100.9001458	336809.995	43291251252573	3018.665244778086	2915.97714354385	2842.973061790174	2880.1065493093353	70.063475357657	53.8702643504609
521	23	216601	-22741.14133	985117.3170250766	39.58038691797446	-100.8978057	337009.99321493057	4329206.218631391	3015.312902540531	2914.108848267493206	2873.6234767493206	2885.5311494292478	76.48523715471708	48.577698027423726
522	23	216602	-27081.14133	985117.3170250766	39.58038879555428	-100.8954565	337211.98939107195	432912518611936	3008.357504522982	2912.213396431074	2851.27139099773	2852.477428366473	90.92201733313004	59.75396807663307
523	23	216603	-26421.14133	985117.3170250766	39.58039067943904	-100.8931254	337412.986623428	4329206.218631391	3005.568050307138	2910.2897488973042	2854.420683797289	2858.86838685894	86.42101107716892	53.0664940848524
524	23	216604	-25761.14133	985117.3170250766	39.58039241511363	-100.8907852	337613.98301594535	4329204.122106269	3002.32993532284	2916.9722349583949	2857.146304090021	2857.146304090021	91.955736844377	81.9506332252533
525	23	216605	-25101.14133	985117.3170250766	39.580394357016712	-100.8884451	337814.9796	4329200.0042388	2995.689754963783	2906.34479030878	2808.2628997335927	2841.3453941193725	97.08153819728523	91.8063831114536
526	23	216606	-24441.14133	985117.3170250766	39.5803958353804	-100.8861409	338015.976010881	4328286.05705216	2977.653701785445	2904.231630647096	2805.582225703597	2805.582225703597	97.10049348932514	97.1117353
527	23	216607	-23781.14133	985117.3170250766	39.58039750537672	-100.8837648	338216.9727228233	4328282.02738148	2972.4217651196427	2902.2637398549326	2804.0970009791226	2804.0970009791226	98.3313776662858	98.3313776662858
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534	23	216614	-19161.14133	985117.3170250766	39.580407800372605	-100.8673837	339623.9417256414	4328253.81425338	2951.10443048516	2886.9064755110026	2808.487159436257	2809.301661959344	77.60480173103012	77.60480173103012
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536	23	216616	-17841.14133	985117.3170250766	39.5804103342668	-100.8627304	340025.9315961025	4328245.75	2950.137951747508	2882.263451514177	2808.83557432643	2809.907326	72.9630189430754	72.9630189430754
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541	23	216621	-14541.14133	985117.3170250766	39.58041588016914	-100.8510027	341030.903632734	4328235.61186503	2920.1704888415408	2870.521027806447	2816.5505997339897	2816.5505997339897	59.4914282	59.4914282
542	23	216622	-13881.14133	985117.3170250766	39.58041685393164	-100.8486625	341231.8974452716	4328231.58329897	2920.507572884568	2868.188827287396	2817.88961645775	2818.674895723975	46.3001656421612	45.5139311639381
543	23	216623	-13221.14133	985117.3170250766	39.58041791349122	-100.8463214	341439.943222714	4328230.73624396	2920.507572884568	2868.188827287396	2817.88961645775	2818.674895723975	46.3001656421612	45.5139311639381
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559	23	216639	-2661.141327	985117.3170250766	39.5804									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatThLogs.kg.ft	SatThBoth.kg.ft
641	293	16721	51458.8586773035	985117.3170250766	39.58028944218964	-100.169878	1729.56910452526	4382342.89135014	2808.3251287623816	272.0461011853286	2657.014212777235	2658.286327526244	63.0188840760504	63.759774270414
642	293	16722	52118.8586773035	985117.3170250766	39.58028958480211	-100.169878	1729.56910452526	4382342.89135014	2808.3251287623816	272.0461011853286	2657.014212777235	2658.286327526244	63.0188840760504	63.759774270414
643	293	16723	52118.8586773035	985117.3170250766	39.58028958480211	-100.169878	1729.56910452526	4382342.89135014	2808.3251287623816	272.0461011853286	2657.014212777235	2658.286327526244	63.0188840760504	63.759774270414
644	293	16724	52118.8586773035	985117.3170250766	39.58028958480211	-100.169878	1729.56910452526	4382342.89135014	2808.3251287623816	272.0461011853286	2657.014212777235	2658.286327526244	63.0188840760504	63.759774270414
645	293	16725	54098.8586773035	985117.3170250766	39.58027498	-100.6076272	161933.8486981216	4382407.868173109	2780.6065105186724	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
646	293	16726	54758.8586773035	985117.3170250766	39.58027125317283	-100.6052871	362134.4656405601	4382407.868173109	2780.6065105186724	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
647	293	16727	55418.8586773035	985117.3170250766	39.58026748	-100.6029469	362335.4445	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
648	293	16728	56078.8586773035	985117.3170250766	39.5802661111088	-100.6006068	362336.423239553	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
649	293	16729	56738.8586773035	985117.3170250766	39.5802697225808	-100.5986567	362337.402	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
650	293	16730	57398.8586773035	985117.3170250766	39.58025899217462	-100.5950525	362338.3804851884	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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654	293	16734	60038.8586773035	985117.3170250766	39.580239993626	-100.586566	363742.29322543	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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656	293	16736	61358.8586773035	985117.3170250766	39.5802314845487	-100.581857	364144.2489108346	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
657	293	16737	62018.8586773035	985117.3170250766	39.58022726	-100.5794545	364345.2264	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
658	293	16738	62678.8586773035	985117.3170250766	39.580223832988	-100.5772054	364546.2038743852	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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660	293	16740	63998.8586773035	985117.3170250766	39.58021431127992	-100.5725251	364948.158418748	4382347.81176123	2792.6159632961034	2686.9079251343734	2650.25900343734	2650.25900343734	63.2354111880224	63.2354111880224
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664	293	16744	66638.8586773035	985117.3170250766	39.5801941466704	-100.5631466	365622.059542654	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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666	293	16746	67958.8586773035	985117.3170250766	39.58018719514362	-100.5584843	366154.018945573	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
667	293	16747	68618.8586773035	985117.3170250766	39.5801821756045	-100.5561442	366354.9952546544	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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670	293	16750	70598.8586773035	985117.3170250766	39.580169356479	-100.5491328	366957.923402431	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
671	293	16751	71258.8586773035	985117.3170250766	39.58016355150816	-100.5467838	367158.89166334	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
672	293	16752	71918.8586773035	985117.3170250766	39.58015845	-100.5444435	367359.879634415	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
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674	293	16754	73238.8586773035	985117.3170250766	39.580148506604	-100.5397632	367761.829162008	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
675	293	16755	73898.8586773035	985117.3170250766	39.5801434694158	-100.5374232	367962.8012026977	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
676	293	16756	74558.8586773035	985117.3170250766	39.58013839495465	-100.535083	368163.783627177	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
677	293	16757	75218.8586773035	985117.3170250766	39.5801332503034	-100.5327428	368364.751396558	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
678	293	16758	75878.8586773035	985117.3170250766	39.5801280043612	-100.5304027	368565.726304394	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
679	293	16759	76538.8586773035	985117.3170250766	39.580123863697	-100.5280626	368766.701086405	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
680	293	16760	77198.8586773035	985117.3170250766	39.58011759507826	-100.5257224	368967.6754729033	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
681	293	16761	77858.8586773035	985117.3170250766	39.58011258457926	-100.5233823	369168.6502739892	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
682	293	16762	78518.8586773035	985117.3170250766	39.58010672890025	-100.5210422	369369.62467990123	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
683	293	16763	79178.8586773035	985117.3170250766	39.580101639182	-100.5186963	369569.65505105	4382339.857940255	2767.024047278504	271.042998080384	2656.5717657400058	2656.5452523033378	57.4478323403366	59.4824757500463
684	293	16764	79838.8586773035	985117.										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.	BRiElevBothKrg.	AtfSfthoBothKrg.	SatThBothKrg.
27	214	216847	-353781.1413	985777.3170250766	39.5754508445536	-102.053797	378999.1388243389	4385126.542483853	3756.6944412351263	3577.050837559194	3539.40077876701	3540.4902213315245	47.65007498921841	46.56032423439495
28	214	216848	-353121.1413	985777.3170250766	39.57676920326256	-102.0514527	379300.2389759718	4385117.406616235	3755.244575279348	3585.7102322759348	3538.77954556457	3539.817296628476	46.53006772209749	45.892366616882315
29	214	216849	-352461.1413	985777.3170250766	39.57573345912876	-102.0491175	378101.33681152222	4385118.58897925	3753.804826163561	3576.5285203162894	3539.71294821397	3538.7386572315744	46.084733850929716	45.00367893134468
30	214	216850	-351901.1413	985777.3170250766	39.57581757532655	-102.0467777	378302.4381	4385114.111146343	3752.35865767299	3587.87157483118468	3539.170852477455	3540.06838715637	45.189658176637367	43.8903617072244
31	214	216851	-351411.1413	985777.3170250766	39.57584164859458	-102.0444379	378503.53736054245	4385109.97836915	3748.97011725309	3581.752292	3537.282460840517	3539.0956258001233	44.70730683587185	42.657365278476634
32	214	216852	-350481.1413	985777.3170250766	39.57586766373394	-102.0420981	378704.6326692243	4385109.43742855	3743.664514596221	3580.455630430824	3536.3783621446732	3539.513723732432	44.0732682814932	40.94185809
33	214	216853	-349821.1413	985777.3170250766	39.5758869547617	-102.0397583	378905.73497392327	4385101.38972088	3738.35001737884	3579.169138257367	3534.9699906472447	3540.166335	44.199147610122964	39.0280323
34	214	216854	-349161.1413	985777.3170250766	39.5759139712129	-102.0374185	378916.8334	4385097.55224816	3737.0355203376053	3579.834649142593	3533.028366171165	3541.230674878213	44.0732682814932	36.6625903040537
35	214	216855	-348501.1413	985777.3170250766	39.57593746994995	-102.0350787	379037.81350221	4385094.11956332	3731.128440266361	3576.5285203162894	3539.71294821397	3538.7386572315744	45.91722549269424	34.15789754
36	214	216856	-347841.1413	985777.3170250766	39.575951336819504	-102.0327288	379509.02945512254	4385099.22599516	3732.627420506477	3575.3717348752	3528.06467801207	3543.0469221659246	45.3077058631897	32.3272513261058
37	214	216857	-347181.1413	985777.3170250766	39.57598513887348	-102.030399	37901.1271	4385085.132621876	3734.1191597124	3574.1304301386376	3525.610073692136	3543.63694682244	46.425036545	30.49351546539083
38	214	216858	-346521.1413	985777.3170250766	39.5760089572964	-102.0280592	379911.224485951	4385080.982675005	3735.615467574203	3572.8998953962105	3523.093374697393	3543.3264002023216	49.80652008981762	29.57349537249885
39	214	216859	-345861.1413	985777.3170250766	39.57603260738845	-102.0257194	379102.32161491155	4385076.7653	3731.683282096927	3520.905223665055	3527.5557219493702	3540.775964	25.12606251592432	24.823967399812
40	214	216860	-345201.1413	985777.3170250766	39.5760567349497	-102.0237396	379013.4184965328	4385072.71402859	3731.93573859403	3570.408288323493	3518.763250041044	3545.656592539495	51.71696313935254	24.823967399812
41	214	216861	-344541.1413	985777.3170250766	39.57607989511385	-102.0210398	379014.5151010225	4385068.574843882	3735.6504720549512	3569.29863599692	3516.751709962612	3523.5897257369991	25.70137102905622	24.823967399812
42	214	216862	-343881.1413	985777.3170250766	39.57610347118034	-102.0187	379015.611458589	4385054.43692492	3749.365205147714	3574.11477791085	3514.961013023963	3540.89145300737	31.15263396712417	27.15533249035252
43	214	216863	-343221.1413	985777.3170250766	39.57612070249976	-102.0163802	379016.7055944062	4385050.29744428	3748.4813729691396	3566.96156947031	3513.36952225642	3537.859180036917	33.5821072448785	29.0924735614136
44	214	216864	-342561.1413	985777.3170250766	39.5761504772064	-102.0140204	379117.80340377815	4385056.159203936	3738.99974417016	3565.505407159173	3511.85457052225	3523.534714596807	33.94803123694783	31.2654540992314
45	214	216865	-341901.1413	985777.3170250766	39.576173828194386	-102.0116805	379118.8989918115	4385052.020837659	3732.516575882497	3564.6669137406525	3510.31204334349	3533.1801857787373	34.3548704	31.48672796191522
46	214	216866	-341241.1413	985777.3170250766	39.57619732347044	-102.0093407	379119.93243724715	4385047.88269138	3718.0314713712693	3561.54162627397	3508.8296969732927	3529.842516099415	34.71446569010434	33.70134713752695
47	214	216867	-340581.1413	985777.3170250766	39.5762207354879	-102.007009	379121.089399784879	4385043.75123818	3711.3213309542307	3562.433961786327	3507.38113839461	3526.396992658025	50.5028778917187	36.07421358234763
48	214	216868	-339921.1413	985777.3170250766	39.57624397842537	-102.0048611	379122.182201486	4385040.60701691	3737.416957222915	3557.00486624754	3500.04969471415	3522.708462413486	55.3307215335977	36.62704338405635
49	214	216869	-339261.1413	985777.3170250766	39.57626781311216	-102.0026872	379123.278160221	4385037.478160221	3738.5807492821973	3555.5807492821973	3500.04969471415	3522.708462413486	55.3307215335977	36.62704338405635
50	214	216870	-338601.1413	985777.3170250766	39.57629045	-101.9995814	379124.3730462457	4385031.33226994	3739.58226219178	3559.1748014747514	3502.908185209134	3515.062513767985	56.26292496561736	44.1119654076654
51	214	216871	-337941.1413	985777.3170250766	39.57631362188411	-101.9974164	379125.46714916072	4385027.19637402	3738.5807492821973	3559.1748014747514	3502.908185209134	3515.062513767985	56.26292496561736	44.1119654076654
52	214	216872	-337281.1413	985777.3170250766	39.576336974597321	-101.9953018	379126.5600483417	4385023.05974479	3739.58226219178	3559.1748014747514	3502.908185209134	3515.062513767985	56.26292496561736	44.1119654076654
53	214	216873	-336621.1413	985777.3170250766	39.57635982486431	-101.9932619	379127.6589385124	4385018.92338714	3780.9102136839	3556.0144433877827	3498.9016206795704	3502.908185209134	56.26292496561736	44.1119654076654
54	214	216874	-335961.1413	985777.3170250766	39.57638285575395	-101.9906221	379128.747842108	4385014.7155681	3782.224958229047	3554.974707946435	3497.850464064895	3499.659922561563	57.12906919	55.3194783384715
55	214	216875	-335301.1413	985777.3170250766	39.57640584707048	-101.9883823	379129.8406274289	4385010.61195632	3783.351561195632	3555.960117048498	3498.9016206795704	3499.659922561563	57.12906919	55.3194783384715
56	214	216876	-334641.1413	985777.3170250766	39.576429034256	-101.9859424	379130.9345303473	4385005.51455798	3784.4813729691396	3555.960117048498	3498.9016206795704	3499.659922561563	57.12906919	55.3194783384715
57	214	216877	-333981.1413	985777.3170250766	39.57645168448024	-101.9836208	379132.02613148327	4385007.379340597	3785.0729655264	3551.893758903184	3494.356888774078	3498.4586374913756	57.536700209102374	62.4351213180478
58	214	216878	-333321.1413	985777.3170250766	39.5764754134855	-101.9812628	379133.118406327	4385008.24465518	3774.7727502596524	3550.8958000112627	3492.914136934703	3497.84896147271	57.9457037655966	63.98483640640714
59	214	216879	-332661.1413	985777.3170250766	39.576497349050804	-101.9789229	379134.2104274222	4384994.11	3772.6640674605804	3549.8154015017335	3491.325162749629	3498.219461501339	58.49023875210469	63.99549534019425
60	214	216880	-332001.1413	985777.3170250766	39.576520111554785	-101.9765831	379135.302195451	4384989.974742696	3770.699428045331	3548.7525752894203	3489.711857411924	3488.405401894403	59.4047717749626	62.7120563431752
61	214	216881	-331341.1413	985777.3170250766	39.57654282898042	-101.9742324	379136.39371114378	4384985.840121445	3768.752780348482	3497.660796989577	3487.951194289408	3488.9834974685197	59.70959563	61.77729343113306
62	214	216882	-330681.1413	985777.3170250766	39.5765655765834	-101.9719344	379137.4874754073	4384981.70572383	3769.805122520423	3545.52821	3486.39032030261	3485.369519119632	60.02027713109124	61.156819077578
63	214	216883	-330021.1413	985777.3170250766	39.57658812787652	-101.9696336	379138.5769834458	4384977.571548211	3768.752780348482	3545.52821	3486.39032030261	3485.369519119632	60.02027713109124	61.156819077578
64	214	216884	-329361.1413	985777.3170250766	39.5766107059887	-101.9672237	379139.66674076152	4384973.437596218	3767.33471757354	3544.069717533435	3482.4381780671047	3484.293625499049	61.6313346623006	62.8201350053476
65	214	216885	-328701.1413	985777.3170250766	39.57663324609874	-101.9648839	379140.7542599688	4384969.3067302	3768.336687118284	3542.729416880183	3480.32099319487	3478.94692133452	62.7048236851342	63.7810135454613
66	214	216886	-328041.1413	985777.3170250766	39.57665573741202	-101.962544	379141.849295754	4384965.17036148	3769.33739859389	3541.21085647988	3477.9524219508025	3476.8438132409806	63.5963697095584	64.3682274089175
67	214	216887	-327381.1413	985777.3170250766	39.57667818352671	-101.9602402	379142.93700774913	4384961.93078953	3768.336687118284	3541.21085647988	3477.9524219508025	3476.8438132409806	63.5963697095584	64.3682274089175
68	214	216888	-326721.1413	985777.3170250766	39.57670055442754	-101.9578463	379144.0250674289	4384956.904018915	3766.433398	3538.29566193132	3472.417129351115	3474.9048913099	65.4846231802076	66.09947604403762
69	214	216889	-326061.1413	985777.3170250766	39.5767230454258	-101.955486	379145.1135425489	4384951.9155449824	3767.33471757354	3538.29566193132	3472.417129351115	3474.9048913099	65.4846231802076	66.09947604403762
70	214	216890	-325401.1413	985777.3170250766	39.57674550567876	-101.9531486	379146.20456967024	4384948.63568558	3768.336687118284	3538.29566193132	3472.417129351115	3474.9048913099	65.4846231802076	66.09947604403762
71	214	216891	-324											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIEvLogsKgf.	BRIEvBothKgf.	SatHtLogs.ft	SatHtBoth.ft
134	216973	-270621.1413	985777.7170250766	35.7843945691177	-101.7589719	263035.75885245743	348406.408431494	354.7883915730295	3424.7854228830574	3313.085807493944	3315.6768937020313	111.6995423121301	108.1084858082614	
154	216974	-269961.1413	98577.7170250766	35.7845797052433	-101.7566139	263236.8274691304	348460.295	3567.9395239947064	3423.78792915687	3314.463810489246	3316.6966004312634	107.9215481706224	107.09123011344932	
154	216975	-269901.1413	985777.7170250766	35.7846543901768	-101.754292	263464.30324576825	348458.180045533	3564.4376891518807	3422.7862839	3315.890280419223	3315.2346111932504	108.8003891824698	107.56397804420961	
154	216976	-269841.1413	985777.7170250766	35.7848368234759	-101.751962	263638.9645417907	348458.607386177	3564.2859170445527	3421.768662986231	3317.3679435400004	3316.9283301336304	104.41891764123056	104.85852597296753	
157	216977	-267981.1413	985777.7170250766	35.7851324042197	-101.749612	263840.0327818837	348458.8954	3564.1341349372242	3420.7839482811746	3317.426075439906	3317.0758211502131	103.3578724126855	103.70812312807357	
154	216978	-267321.1413	985777.7170250766	35.7853713294164	-101.747272	264041.1006815762	348458.8481134682	3563.98235162829696	3419.779956308813	3314.704728219486	3313.865259624957	105.91427520808370	105.91427520808370	
154	216979	-266661.1413	985777.7170250766	35.7854896096417	-101.7449321	264242.16840215726	348458.728432581	3564.7055960421633	3418.7765221110703	3318.0897256	3309.514865108785	107.8726649020028	106.2616540052818	
154	216980	-266001.1413	985777.7170250766	35.7856813044097	-101.742591	264443.2339900485	348457.715770713	3568.5257556031861	3417.7331597549095	3306.990827050377	3305.050180609457	110.7843676843717	112.7250598998483	
154	216981	-265341.1413	985777.7170250766	35.78586931670541	-101.740251	264644.30324576825	348457.503423319	3568.2795399163754	3416.71951652115685	3303.1087164535362	3300.5489353	115.66548476718662	125.12683488923851	
152	216982	-264681.1413	985777.7170250766	35.7859445276953	-101.7379122	264845.3702697044	348459.391282936	3567.01446724337	3415.7713946695953	3299.555424773996	3296.498373712623	116.211916899553	116.211916899553	
152	216983	-264021.1413	985777.7170250766	35.7862255963034	-101.7357922	265046.437060483	348456.529	3568.410531365472	3414.722837432075	3296.418028	3292.9422127112625	118.353358089775	121.83007131914495	
154	216984	-263361.1413	985777.7170250766	35.7864062128871	-101.7332322	265247.50602012535	348456.171753325	3563.43105295492	3413.765404908989	3293.954709140471	3290.2002132523416	118.8106957685179	123.5651916554774	
154	216985	-262701.1413	985777.7170250766	35.7865864	-101.7308922	265448.56984819595	348457.056257377	3558.45579225513	3412.7566271007165	3292.266033812125	3288.80780636172	120.488935	123.94726270245973	
154	216986	-262041.1413	985777.7170250766	35.78676608999217	-101.7285522	265649.630190104	348452.945	3553.4782531555334	3411.7446379407775	3291.2179916188247	3289.4924952420884	120.52666432825281	122.2521427098918	
157	216987	-261381.1413	985777.7170250766	35.7869453504927	-101.7262123	265850.701491054	348458.434008481	3554.486483395336	3410.7331597549095	3290.477415230892	3287.330415	120.25698986087412	123.40390011805919	
154	216988	-260721.1413	985777.7170250766	35.787124158977	-101.7238723	266051.767540486	348454.723217522	3561.4206867108633	3409.78125811904	3289.700330240973	3287.1771721007165	120.0252052626314	122.54841238002924	
154	216989	-260061.1413	985777.7170250766	35.78730251543725	-101.7215323	266252.8320889797	348456.016248883	3568.37484437742	3408.72010358176	3288.841622187852	3286.83439771262	119.87858817023284	121.8762331	
154	216990	-259401.1413	985777.7170250766	35.78748041987076	-101.7191923	266463.89812206873	348456.305203555	3575.3288821642515	3407.715555133726	3287.832423260245	3286.2479172617	119.8581322531017	121.474624641698	
171	216991	-258741.1413	985777.7170250766	35.7876579	-101.7168523	266654.930651872	348456.32178529	3577.504421381126	3406.720169188717	3286.56928275817	3285.24064261978	120.1500391392464	121.4765217277635	
172	216992	-258081.1413	985777.7170250766	35.787836782765995	-101.7145123	266856.027770638	348458.282278604	3574.9090820115815	3405.72110239546	3284.799230362907	3283.4870356421078	120.9289063466384	122.42708231833393	
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174	216994	-256761.1413	985777.7170250766	35.78818517173392	-101.7098324	267258.156511788	348450.63140205	3569.634	3403.773215	3280.1917348528185	3278.952336999137	123.5763969599136	124.80378132686808	
174	216995	-256101.1413	985777.7170250766	35.788360148277	-101.7074924	267459.1536374252	348451.528539538	3567.54196293197	3397.524110307747	3279.721455210884	3277.70017444567	123.603249717159	127.6873239364347	
176	216996	-255441.1413	985777.7170250766	35.7885338330966	-101.7051254	267690.28432228243	348451.84489297	3566.145625142565	3401.876703347502	3275.157250007785	3274.222839786762	125.7188133739174	126.653213360783	
177	216997	-254781.1413	985777.7170250766	35.7887130941512	-101.7028124	267861.3478978583	348456.731062337	3569.647764415945	3400.955160223266	3272.675883796307	3272.784726594314	127.28481122601947	127.10882828081242	
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179	216999	-253461.1413	985777.7170250766	35.7890612185504	-101.6981324	268263.47434172535	348459.91893867	3570.88951842438	3399.188192749414	3267.288256	3266.79513893844	132.33876864063128	132.33876864063128	
180	217000	-252801.1413	985777.7170250766	35.7892346	-101.6957924	268464.5372209726	3484495.411064737	3571.88618961787	3398.344116053391	3264.558451183216	3264.3717126924057	133.78527093569593	133.9724036148525	
180	217001	-252141.1413	985777.7170250766	35.78940475346183	-101.6934724	268645.59967194276	348449.153613337	3570.88618961787	3397.524110307747	3262.721455210884	3262.060674151068	135.2563969599136	136.4637816989858	
182	217002	-251481.1413	985777.7170250766	35.789580148277	-101.691124	268847.19548118	348449.153613337	3570.88618961787	3397.524110307747	3262.721455210884	3262.060674151068	135.2563969599136	136.4637816989858	
183	217003	-250821.1413	985777.7170250766	35.7897502429936	-101.6887724	269067.7244899004	348443.880807192	3571.68102471265	3395.966911381085	3259.7408930175648	3259.165480803832	136.2160138352374	136.2160138352374	
184	217004	-250161.1413	985777.7170250766	35.789926190287	-101.6864324	269268.78645729343	348449.789072948	3568.3168046071228	3395.205821158244	3258.914381062173	3258.029286	136.2160138352374	136.2160138352374	
185	217005	-249501.1413	985777.7170250766	35.7900940430329	-101.6840924	269469.8481972354	348449.789072948	3560.956874276005	3394.4758197166147	3258.139314003741	3256.835954074234	136.33587391287347	136.33587391287347	
186	217006	-248841.1413	985777.7170250766	35.7902654150056	-101.6817524	269670.907099342	348440.767	3555.5942658171678	3393.763458025136	3257.277194	3256.135734	136.48465164812342	137.639925091913	
187	217007	-248181.1413	985777.7170250766	35.7904355497488	-101.6794724	269871.970995597	348449.789072948	3555.193312986649	3393.068886834835	3256.5394245021036	3256.2784776141	136.5294632334524	137.7904907122917	
188	217008	-247521.1413	985777.7170250766	35.7906107122846	-101.6770724	270073.032054422	348442.554075321	3554.7534195293197	3392.38612093917	3255.783527913762	3254.701369213762	137.6873239364347	137.6873239364347	
189	217009	-246861.1413	985777.7170250766	35.790774178133005	-101.6747324	270274.09286863673	348446.664142584	3554.3135265297698	3391.7228095435767	3254.9254743452616	3253.968331779571	138.79535150831158	138.79535150831158	
190	217010	-246201.1413	985777.7170250766	35.7909438257575	-101.6723924	270475.1539424475	348445.342049089	3556.8736334804034	3391.067048	3254.1161131967183	3251.8203941890406	139.56903450466175	139.56903450466175	
191	217011	-245541.1413	985777.7170250766	35.7911119943887	-101.6700624	270676.213872001	348450.236370268	3568.614331686024	3390.402831860696	3253.3382148250284	3252.588960515267	137.08260363815815	137.08260363815815	
192	217012	-244881.1413	985777.7170250766	35.7912799541602	-101.6677124	270877.2740255694	348446.131	3566.5335402572707	3389.233932937256	3252.458861470643	3252.393972396574	137.3862299715703	137.3862299715703	
194	217013	-244221.1413	985777.7170250766	35.79144746199114	-101.6653724	271078.339333363	348442.05677675	3563.45695107334	3389.14152	3251.459777299119	3251.1881311252514	137.6817349642106	137.9530211801838	
194	217014	-243561.1413	985777.7170250766	35.791615417162024	-101.6630324	271279.3395551074	348437.502665471	3560.376256748138	3388.069056992927	3250.279359915386	3250.794387229284	138.2002767845441	138.2002767845441	
194	217015	-242901.1413	985777.7170250766	35.7917841212846	-101.6607324	271480.42601362817	348439.340173	3558.481784726324	3387.195170444567	3249.1881784726324	3248.1881784726324	138.8515137044567	138.8515137044567	
194	217016	-242241.1413	985777.7170250766	35.79194727240405	-101.6585323	271681.512383903	348439.711	3549.671602774985	3387.141602774985	3247.425513604787	3245.514472739814	139.73608917711168	139.73608917711168	
197	217017	-241581.1413	985777.7170250766	35.79211297254474	-101.6560123	271882.5714105248	3484425.608675793	3543.566286753395	3386.43792827673	3245.630918626556	3252.303860287574	140.8038760071168	133.5034810200855	
194	217018	-240921.1413	985777.71702											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
278	29109	-187461.1413	985777.3170250766	39.58041620370803	-101.4641278	288368.6658276379	438409.806	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
280	29110	-186801.1413	985777.3170250766	39.58042902167637	-101.4611767	288699.708	438408.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
281	29111	-186181.1413	985777.3170250766	39.58041744429684	-101.4584467	288730.7476733384	438408.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
282	29112	-185481.1413	985777.3170250766	39.58045421963547	-101.4571075	288971.7884198769	438407.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
283	29113	-184821.1413	985777.3170250766	39.580467230434613	-101.4547674	289172.82868915805	438407.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
284	29114	-184161.1413	985777.3170250766	39.580479841490884	-101.4524273	289373.82691138275	438406.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
285	29115	-183501.1413	985777.3170250766	39.58049243342964	-101.4500872	289574.901467576	438406.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
286	29116	-182841.1413	985777.3170250766	39.580504980122645	-101.4477471	289775.94897548866	438406.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
287	29117	-182181.1413	985777.3170250766	39.58051746186924	-101.4454407	289976.9868978116	438405.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
288	29118	-181521.1413	985777.3170250766	39.5805293801615	-101.4430069	290178.0281137789	438405.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
289	29119	-180861.1413	985777.3170250766	39.58054234913083	-101.4407288	290397.0673238124	438404.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
290	29120	-180201.1413	985777.3170250766	39.58055471503943	-101.4383867	290580.10632806124	438404.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
291	29121	-179541.1413	985777.3170250766	39.580567035741915	-101.4360466	290781.151266256	438404.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
292	29122	-178881.1413	985777.3170250766	39.58057931123828	-101.4337056	290982.18371981545	438403.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
293	29123	-178221.1413	985777.3170250766	39.58059154512847	-101.4313664	291183.22210796158	438403.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
294	29124	-177561.1413	985777.3170250766	39.580603726612405	-101.4290263	291384.2620207636	438402.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
295	29125	-176901.1413	985777.3170250766	39.58061586649034	-101.4266862	291585.2962869567	438402.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
296	29126	-176241.1413	985777.3170250766	39.58062796116196	-101.4243461	291786.330426511	438402.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
297	29127	-175581.1413	985777.3170250766	39.58064001062732	-101.422006	291987.3768118468	438401.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
298	29128	-174921.1413	985777.3170250766	39.58065201486841	-101.4196659	292188.410769123	438401.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
299	29129	-174261.1413	985777.3170250766	39.58066397389195	-101.4173258	292389.4841380089	438400.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
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301	29131	-172941.1413	985777.3170250766	39.58068794349636	-101.4126471	292791.521184472	438399.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
302	29132	-172281.1413	985777.3170250766	39.58069958	-101.4103055	292992.5584	438399.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
303	29133	-171621.1413	985777.3170250766	39.580711388066984	-101.4079653	293193.59474654537	438399.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
304	29134	-170961.1413	985777.3170250766	39.58072309110799	-101.4056252	293394.630891196	438398.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
305	29135	-170301.1413	985777.3170250766	39.58073477892555	-101.4032851	293595.66683281504	438398.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
306	29136	-169641.1413	985777.3170250766	39.58074642153066	-101.400945	293796.7025719099	438397.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
307	29137	-168981.1413	985777.3170250766	39.58075891883251	-101.3986048	293997.766	438397.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
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309	29139	-167661.1413	985777.3170250766	39.580781891811608	-101.3939347	294399.8086760903	438396.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
310	29140	-167001.1413	985777.3170250766	39.58079253989814	-101.3915845	294600.84350714524	438396.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
311	29141	-166341.1413	985777.3170250766	39.580803965467367	-101.3892444	294801.8782367005	438395.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
312	29142	-165681.1413	985777.3170250766	39.58081353	-101.3869043	295002.912769462	438395.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
313	29143	-165021.1413	985777.3170250766	39.58082665	-101.3845642	295203.9470921452	438395.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
314	29144	-164361.1413	985777.3170250766	39.58083794363061	-101.3822241	295404.9812184472	438394.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
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316	29146	-163041.1413	985777.3170250766	39.58086036125205	-101.3775438	295807.0486924161	438393.9	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
317	29147	-162381.1413	985777.3170250766	39.58087150658771	-101.3752037	296008.0823941424	438393.5	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
318	29148	-161721.1413	985777.3170250766	39.580882606716685	-101.3728636	296209.1157189091	438393.1	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
319	29149	-161061.1413	985777.3170250766	39.58089366163891	-101.3705235	296410.1488438968	438392.7	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608
320	29150	-160401.1413	985777.3170250766	39.58090461154348	-101.3681833	296611.1817693462	438392.3	33067.775524355741	3323.3776093777515	3178.3657909740853	3178.3657909740853	3178.3657909740853	3178.3657909740853	74.9015543819608

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKrg.ft	SatHtKrg.ft	SatHtBoth.ft
405	29	17225	-104301.1413	985777.3170250766	39.581675264423076	-101.6692706	313686.22727758	4383576.718901309	3243.002441230245	3988.506593745352	2994.869952921968	2991.8196029237934	93.63960492338407	96.68699021558584
406	29	17226	-103641.1413	985777.3170250766	39.581662362672755	-101.1669304	313899.2892763392	4383572.660058935	3239.04534174547	3987.261851306595	2993.848120841348	93.38003098511241	96.63087158853138	96.63087158853138
407	29	17227	-102981.1413	985777.3170250766	39.58169429639164	-101.1645962	314100.3682369868	4383568.602933021	3238.646914115941	3987.0429378752	2993.857963033449	93.61363323267795	96.67535326387795	96.67535326387795
408	29	17228	-102321.1413	985777.3170250766	39.5816664943073	-101.1622501	314301.32178654404	4383564.545275353	3235.082912954308	3984.7362853107	2991.629882574434	93.6084953733233	96.8592037866929	96.8592037866929
409	29	17229	-101661.1413	985777.3170250766	39.58170348063003	-101.1599099	314502.3377682575	4383560.48671213	3233.501134495717	3983.511544446894	2990.186553472826	93.62490974067799	96.8324903778712	96.8324903778712
410	29	17230	-101001.1413	985777.3170250766	39.5817042166101	-101.1575697	314703.353685825	4383564.430627251	3231.9193560311232	3982.259027262557	2988.626875708053	93.621515545114	96.34144068	96.34144068
411	29	17231	-100341.1413	985777.3170250766	39.5817137148365	-101.1552295	314904.3891884832	4383562.37333758	3229.39403931207	3981.062201937426	2986.989336177446	93.61022117045273	96.04168858	96.04168858
412	29	17232	-99681.1413	985777.3170250766	39.581724168097935	-101.1528984	315105.3846274391	4383564.316660805	3225.94395698709	3979.753131	2985.2160315763927	2984.485204	93.57370986	97.28732631373032
413	29	17233	-99021.1413	985777.3170250766	39.5816982943916	-101.1505495	315306.5947679419	4383544.269308021	3222.88491761942874	3978.499861020841	2983.845866105475	2980.707232669843	93.64545981536603	96.0743735461038
414	29	17234	-98361.1413	985777.3170250766	39.5817337103146	-101.148209	315507.4140640518	438340.204	3219.022968280807	3977.242918446684	2982.039325050679	2978.977191512634	95.20359258408962	96.2552937
415	29	17235	-97701.1413	985777.3170250766	39.58174444806664	-101.1458688	315708.4296821408	4383536.174638991	3215.5962601288	3975.8258050998956	2980.405970620318	2979.172387740094	96.81071172993638	96.81071172993638
416	29	17236	-97041.1413	985777.3170250766	39.58175111847476	-101.1435286	315909.4446802618	4383532.019740046	3212.201564508056	3974.2710963456773	2978.588386611755	2977.54058968608	96.1322576450184	97.48035737886949
417	29	17237	-96381.1413	985777.3170250766	39.58175734304712	-101.1411885	316104.4592187872	4383530.02399309	3973.458718270493	3973.677693334006	2976.87193757066	96.081348829255	98.1596753288694	98.1596753288694
418	29	17238	-95721.1413	985777.3170250766	39.581764322411054	-101.1388483	316311.4737743614	4383523.98048815	3205.412168	3972.195291876565	2975.311746114974	96.0831207269079	98.82587662	98.82587662
419	29	17239	-95061.1413	985777.3170250766	39.5817706656657	-101.1365081	316512.4877576377	4383519.92581828	3203.7903024642776	3973.788625171934	2974.27120051	97.1416203428317	99.66019471201753	99.66019471201753
420	29	17240	-94401.1413	985777.3170250766	39.581777345513636	-101.1341769	316713.50175837264	4383515.470970738	3201.86623369089	3972.60345844771	2973.669096011626	97.05667785	100.6937140943624	100.6937140943624
421	29	17241	-93741.1413	985777.3170250766	39.5817837892523	-101.1318277	316914.515802705	4383511.81581467	3200.178376078693	3968.385480590415	2971.49568747042	96.0716639382133	98.8892608959955	98.8892608959955
422	29	17242	-93081.1413	985777.3170250766	39.58179018778326	-101.1294876	317115.5292349703	4383507.76124922	3197.067188312244	3967.10678312244	2970.7011170969427	96.0456712130418	101.60149533494329	101.60149533494329
423	29	17243	-92421.1413	985777.3170250766	39.58179654110399	-101.1271474	317316.5246882972	4383503.760900224	3195.68385951645	3965.821481605325	2970.0436508573484	96.028678022379	97.481973	102.0074733813536
424	29	17244	-91761.1413	985777.3170250766	39.58180284411359	-101.1248072	317517.559748921	4383499.652717553	3193.746303779254	3964.335046498033	2969.7316816837065	96.0258429417824	94.8033461132641	94.8033461132641
425	29	17245	-91101.1413	985777.3170250766	39.581801911	-101.122467	317716.598034016	4383456.99893194	3192.50084062409	3963.234899504095	2969.7024654973343	96.0301736084425	93.623454676801	93.623454676801
426	29	17246	-90441.1413	985777.3170250766	39.58181529617914	-101.120268	317919.580141173	4383491.54517137	3126.276732040865	3961.544622536367	2967.937389176199	95.95835256462282	91.95089394195793	92.28903653135463
427	29	17247	-89781.1413	985777.3170250766	39.58182932505495	-101.1178627	318127.74448997107	4383449.616959717	3151.734285394	3959.609242664525	2967.03082445733	95.9717134489523	95.731496904692	95.731496904692
428	29	17248	-89121.1413	985777.3170250766	39.5818276295645	-101.1154465	318321.6073427007	4383483.43495909	3157.37778203692	3959.269630791265	2971.3669682133434	95.9587495678167	97.8020447719155	97.8020447719155
429	29	17249	-88461.1413	985777.3170250766	39.5818337165504	-101.1131063	318522.6197413924	4383479.38543721	3151.793005404893	3957.923758527944	2973.0534134603204	95.9436627244478	103.4262183128465	103.4262183128465
430	29	17250	-87801.1413	985777.3170250766	39.58183974851693	-101.1107661	318723.61962875	4383475.32625798	3151.2482112969392	3956.56195299868	2975.653679865403	95.9226593584597	95.9218131	104.3002414491108
431	29	17251	-87141.1413	985777.3170250766	39.5818457017027	-101.1084259	318924.6044007508	4383470.3903145	3125.11701955143	3955.1984872578732	2979.633957277157	95.96509153015759	105.2054086806291	105.2054086806291
432	29	17252	-86481.1413	985777.3170250766	39.5818516661953	-101.1060857	319125.655675765	4383467.2277455	3133.3834723021246	3953.8213970569145	2985.844649273474	95.9350276384365	97.97492778440401	100.3115207085493
433	29	17253	-85821.1413	985777.3170250766	39.5818576785117	-101.1037455	319336.6675673984	4383463.175265894	3131.652426589454	3952.435218975867	2984.16352653733	95.9172366744573	97.97492778440401	100.3115207085493
434	29	17254	-85161.1413	985777.3170250766	39.58186344394981	-101.1014054	319527.12300679	4383429.12300679	3129.9172799037	3950.14423675271881	2982.255376721881	94.9421101029995	97.7895415492143	97.7895415492143
435	29	17255	-84501.1413	985777.3170250766	39.5818692546761	-101.0990652	319728.6904	4383455.01949499	3154.3770194999	3948.6470896457613	2981.69534144426	95.9171512047483	97.6515555	104.57597826304
436	29	17256	-83841.1413	985777.3170250766	39.5818750307876	-101.096725	319929.7015863397	4383451.02409459	3154.051032657304	3948.242198438704	2975.601306570765	97.1741980472955	72.6408978162727	72.6408978162727
437	29	17257	-83181.1413	985777.3170250766	39.58188074070947	-101.0943488	320130.7215459576	4383446.969	3155.641955649345	3946.829780416191	2970.5402599482804	96.08698979180542	76.28926046791073	76.28926046791073
438	29	17258	-82521.1413	985777.3170250766	39.58188641590246	-101.0920446	320331.7234	4383442.918099253	3154.73705837613814	3945.4100537167124	2966.205201680808	96.0381045481908	91.3061179949184	91.3061179949184
439	29	17259	-81861.1413	985777.3170250766	39.58189204586677	-101.0897404	320532.342525554	4383438.867274413	3154.479088179567	3943.963087674985	2962.5412813394273	96.03075419198687	91.44082743701722	93.60729465471189
440	29	17260	-81201.1413	985777.3170250766	39.5818975785117	-101.0873462	320734.74448997107	4383449.616959717	3151.734285394	3942.5473370952387	2960.0908240573	95.9717134489523	95.731496904692	95.731496904692
441	29	17261	-80541.1413	985777.3170250766	39.5819037102927	-101.0850241	320934.75477615127	4383403.768258013	3148.40288	3941.06380520662	2956.1090245671026	95.9432399473618	96.7720182	96.7720182
442	29	17262	-79881.1413	985777.3170250766	39.5819086454749	-101.0826389	321135.764897027	4383426.76120985	3145.2427441328473	3939.618064838503	2951.116567451517	95.941241695544	96.5452390323166	97.92038478730592
443	29	17263	-79221.1413	985777.3170250766	39.5819141	-101.0803437	321336.7748282986	4383422.66617581	3137.64697011012	3938.2193532769102	2950.540280760054	97.7170541604794	88.90752943819737	88.90752943819737
444	29	17264	-78561.1413	985777.3170250766	39.58191951767778	-101.0780035	321537.78459404036	4383418.16452872	3125.67901380234	3936.777820389674	2947.958694709042	96.04985373613583	88.9189703292542	88.9189703292542
445	29	17265	-77901.1413	985777.3170250766	39.58192487649682	-101.0756633	321784.781852376	4383416.567	3123.360972762284	3945.959053673968	2947.774716929571	96.0787968958168	90.61179324665692	90.61179324665692
446	29	17266	-77241.1413	985777.3170250766	39.58193016933134	-101.0733231	321931.830602729	4383415.017565349	3121.7189435026062	3943.893277943502	2946.535253004048	96.03129274310422	91.23967514462534	91.23967514462534
447	29	17267	-76581.1413	985777.3170250766	39.58193581353494	-101.0709627	322141.9177147105	4383402.419758352	3095.8054206202	3941.008289020725	2945.291638112946	95.9846475474766	92.713351080661	92.713351080661
448	29	17268	-75921.1413	985777.3170250766	39.58194589250496	-101.0663205	322242.83081502415	4383398.37135029	3095.812035367772	3939.56777828472	2937.469683514002	93.1800481024573	92.0879079978697	92.0879079978697
449	29	17269	-75261.1413	985777.3170250766	39.5819509193873	-101.0639624	322474.8396	4383394.32273131	3096.801265337724	3938.106353829773	2934.847662804959			

ix	iy	Xc	Yc	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThgLog.f	SatThgBoth.f
531	294	217351	-121.141133	985777.7170205766	39.58221660056673	-100.8744061	39029.42913086783	3830607.132266934	2968.3245591201694	2892.837957320914	2806.804780050008	2905.9871315343294	86.850257865846
532	294	217352	-20.48111433	985777.7170205766	39.5822166010899	-100.8720658	339225.9685	4383003.102	2950.617022465735	2890.560733172434	2806.544120764733	2805.590529841733	85.10512037429603
533	294	217353	-19.82114133	985777.7170205766	39.5822166014285	-100.8697256	340629.9615	4383059.9722812	2933.048458113918	2888.248722298103	2806.11207694511	2812.23766089867	82.23766089867
534	294	217354	-19.16114133	985777.7170205766	39.582202074	-100.8673854	34872.222325	4383011.0774949	2910.411949156897	2885.905174985293	2805.432617005007	2805.590529841733	80.2016507111988
535	294	217355	-18.50114133	985777.7170205766	39.582222031479684	-100.8650452	339828.917263944	4383051.012	2904.2425446282394	2883.533933468488	2805.3228913261178	2805.2811238118503	78.325810350944
536	294	217356	-17.84114133	985777.7170205766	39.58223276184905	-100.862705	340029.965894774	4383046.962584023	2911.54172927883	2881.140141991835	2805.5011079436154	2805.340274821996	75.79634803
537	294	217357	-17.18114133	985777.7170205766	39.58222447568059	-100.8603486	340021.9606360297	4383042.953261845	2904.804890993371	2878.729799850509	2806.52125753998	2806.280499501907	72.280074095113
538	294	217358	-16.52114133	985777.7170205766	39.5822252956696	-100.8580246	340034.954678031	4383038.9342195031	2905.138720599337	2876.308945533139	2808.735893926336	2808.2996293017324	68.0089561040669
539	294	217359	-15.86114133	985777.7170205766	39.58222674	-100.8558684	340632.94884100516	4383034.8654713995	2903.048458113918	2875.862814	2811.446786472476	2811.135934308484	64.13684417677429
540	294	217360	-15.00114133	985777.7170205766	39.5822278291173	-100.8533442	340834.942848415	4383030.8667719451	2903.52388381	2871.45942083943	2816.200080570056	2814.918627219501	54.5425477359193
541	294	217361	-14.54114133	985777.7170205766	39.5822282015711	-100.851004	341034.9367051634	4383026.83310669	2903.039322806181	2869.0641213078693	2820.2473882420245	2819.015718206935	49.9945484417359
542	294	217362	-13.88114133	985777.7170205766	39.5822297501918	-100.8486638	341235.93400223856	4383022.810121215	2910.539814740172	2866.651428815457	2823.192487	2821.806043584433	44.8453852310024
543	294	217363	-13.22114133	985777.7170205766	39.58222307	-100.8463236	341436.9238421131	4383018.782157018	2904.781123582126	2864.284780877071	2824.75774793766	2806.8601966435845	41.424511433486714
544	294	217364	-12.56114133	985777.7170205766	39.58221366284	-100.8439833	341637.91734064027	4383014.75440025	2904.633273650584	2861.9689252050846	2824.378293374805	2823.1923125709544	38.1852367
545	294	217365	-11.90114133	985777.7170205766	39.582232444110794	-100.8416431	341838.9109678478	4383010.727	2905.195420150894	2859.67827297362	2823.3748523793536	2820.483035	36.30402059429662
546	294	217366	-11.24114133	985777.7170205766	39.5822332672249	-100.8393029	342039.937056073	4383006.69854497	2905.751673935405	2857.460633448397	2822.128606954077	2819.275107743969	33.5110725289922
547	294	217367	-10.58114133	985777.7170205766	39.582233864124855	-100.8369627	342240.968686424	4383002.672	2905.169188199403	2855.218075672594	2821.14820543575	2819.4681471613096	31.6460212968422
548	294	217368	-9.92114137	985777.7170205766	39.5822346631788	-100.8346225	342441.889478056	4382996.654567819	2903.27843301	2853.245025437795	2820.1504458311424	2818.9616752894026	28.7836014837693
549	294	217369	-9.26114137	985777.7170205766	39.58223334	-100.8328283	342642.8821067564	4382994.618933477	2881.691447686572	2851.2650945352707	2819.3947141321646	2817.935759928885	26.322749406825745
550	294	217370	-8.60114137	985777.7170205766	39.5822356507595	-100.8299421	342843.8745822471	4382990.59243322	2884.952742310643	2849.378254646835	2817.294711211271	2813.0431664586283	23.350542526754
551	294	217371	-7.94114137	985777.7170205766	39.58223652164095	-100.8276019	343004.869605364	4382996.566282435	2897.4530689173069	2847.586897788697	2816.185987963833	2812.1588448114006	21.39730080231382
552	294	217372	-7.28114137	985777.7170205766	39.58223742959661	-100.8252617	343245.8499717266	4382992.54	2905.138720599337	2845.8062395949254	2815.081713	2809.6253769324	18.42584253720646
553	294	217373	-6.62114137	985777.7170205766	39.5822383924658	-100.822918	343485.92349031	4382988.34647291	2906.2425446282394	2843.7534774773	2816.25342539096	2809.184778929166	16.03052670589149
554	294	217374	-5.96114137	985777.7170205766	39.5822379500799	-100.8205812	343647.842652381	4382974.489501585	2936.546796090414	2842.760606341847	2811.916482240374	2809.8248628194	13.4025738005905
555	294	217375	-5.30114137	985777.7170205766	39.582233850753	-100.818241	343848.834682217	4382970.846811176	2933.751405482137	2842.36226387243	2810.175201731993	2808.07332382687	11.5102571
556	294	217376	-4.64114137	985777.7170205766	39.58223867325794	-100.8159008	344049.826428294	4382966.3484913985	2942.45684007118	2839.95688006004	2808.217154237496	2805.7837647424385	9.31732358508316
557	294	217377	-3.98114137	985777.7170205766	39.58223867163471	-100.8135066	344250.817663181	4382961.4398017	2951.162245578061	2836.651870560546	2806.231646800907	2804.008527267646	7.32973032798207
558	294	217378	-3.32114137	985777.7170205766	39.58223922174342	-100.8112204	344451.8089274333	4382958.389	2959.887643117906	2837.40633488866	2804.250737033827	2803.926931824887	5.31526865039216
559	294	217379	-2.66114137	985777.7170205766	39.58223942655876	-100.8088862	344652.9044717354	4382954.36477291	2968.2425446282394	2836.2154787940385	2806.184778929166	2805.18815208149	3.63052670589149
560	294	217380	-2.00114137	985777.7170205766	39.58223942655876	-100.805905	344853.97100545	4382950.34004182	2982.4530689173069	2837.40633488866	2804.250737033827	2803.926931824887	1.91526865039216
561	294	217381	-1.34114137	985777.7170205766	39.5822397077687	-100.8041998	345054.78189110055	4382946.319235078	2998.3268134139125	2833.98055268509	2799.274332919159	2799.339392834347	37.6868134
562	294	217382	-0.6811413269	985777.7170205766	39.58223977003915	-100.8018596	345257.724829303	4382942.28137588	2971.5733992241354	2832.93110980406	2797.53773485418	2794.1229422625076	35.9313559
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564	294	217384	0.3818567303514	985777.7170205766	39.5822397723541	-100.7971792	345657.7335618916	4382935.25443577	2967.72994510622	2830.950389796792	2794.0520354609075	2792.598085837776	31.4668266785888
565	294	217385	1.29818567303514	985777.7170205766	39.58223976565955	-100.7948389	345858.743577341	4382930.22272627	2964.617956085385	2830.014331530508	2792.598085837776	2792.598085837776	29.42584253720646
566	294	217386	1.95818567303514	985777.7170205766	39.58223976565955	-100.7924487	346079.73343903	4382926.154861976	2968.2425446282394	2830.014331530508	2792.598085837776	2792.598085837776	27.42584253720646
567	294	217387	2.61818567303514	985777.7170205766	39.58223976565955	-100.7901585	346260.7236167226	4382921.76639002	2968.05684641578	2828.2384881752818	2798.366021413397	2798.366021413397	25.42584253720646
568	294	217388	3.27818567303514	985777.7170205766	39.58223976565955	-100.7878183	346461.7133307797	4382918.15419023	2968.05684641578	2828.2384881752818	2798.366021413397	2798.366021413397	23.42584253720646
569	294	217389	3.93818567303514	985777.7170205766	39.58223976565955	-100.7854781	346662.7029514806	4382914.13187142	2966.651428815457	2826.5833505463226	2794.248137380266	2795.128317666054	21.42584253720646
570	294	217390	4.5981856730351	985777.7170205766	39.582238666003	-100.7831379	346863.6924239968	4382910.10926246	2966.651428815457	2826.5833505463226	2794.248137380266	2795.128317666054	19.42584253720646
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572	294	217392	5.9181856730351	985777.7170205766	39.582238666003	-100.7784571	347265.670525922	4382902.60679972	2966.651428815457	2826.5833505463226	2794.248137380266	2795.128317666054	15.42584253720646
573	294	217393	6.5781856730351	985777.7170205766	39.582238666003	-100.7761175	347466.66351046	4382898.0414168	2966.651428815457	2826.5833505463226	2794.248137380266	2795.128317666054	13.42584253720646
574	294	217394	7.2381856730351	985777.7170205766	39.582238666003	-100.7737771	347667.64883620455	4382894.033089325	2966.651428815457	2826.5833505463226	2794.248137380266	2795.128317666054	11.42584253720646
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576	294	217396	8.5581856730351	985777.7170205766	39.582238666003	-100.7690966	348069.626158486	4382885.982115859	2945.03339931045	2821.4793513373454	2773.501534	2771.57049023116	7.32973032798207
577	294	217397	9.2181856730351	985777.7170205766	39.582238666003	-100.7667564	348270.6145993927	4382881.96194713	2940.49870517732	2820.742555880006	2773.501534	2771.57049023116	5.31526865039216
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ix	iy	ic	X.0r	Y.0r	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevKgr.f	SatBriothKgr.f	SatBriothKgr.f
657	294	217477	6218.8586730335	985777.3170250766	39.5824002	-100.5759401	364349.2327982212	4382561.028977003	2767.9172198172273	2690.686250540116	2646.444580198425	2646.800193848917	24.241763558685	43.8806765059469
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660	294	217480	6218.8586730335	985777.3170250766	39.58202725	-100.5725195	364952.1641189056	4382547.0242112584	2789.724497295935	2685.98512105915	2650.521472809093	2650.840643388095	35.369393450596	35.0444767121974
661	294	217481	6218.8586730335	985777.3170250766	39.582022841042026	-100.5707193	365153.14066664	4382545.019059864	2790.530438312543	2684.388313435387	2651.991317862147	2652.16170186496	32.3969657236836	32.2266151037683
662	294	217482	6218.8586730335	985777.3170250766	39.58201839382995	-100.5678391	365354.1176844986	4382541.07126045	2791.2984281655247	2684.544156776479	2653.654375965987	2653.71131202772	29.9817917980194	29.9817917980194
663	294	217483	6218.8586730335	985777.3170250766	39.58201389251504	-100.5654899	365555.094	4382537.015401685	2791.188429454484	2681.551165762608	2656.208427696683	2656.168890401233	25.242744066683	25.242744066683
664	294	217484	6218.8586730335	985777.3170250766	39.5820093043821	-100.5631587	365675.070473129	4382533.01913573	2790.203447454461	2680.2071554181734	2658.854185594934	2659.853997004216	30.2536981870988	30.2536981870988
665	294	217485	6218.8586730335	985777.3170250766	39.58200476315244	-100.5608185	365857.047666509	4382529.013	2789.21747466837	2678.309628152004	2664.611098486569	2664.760969233495	14.26852669353151	14.1469323485498
666	294	217486	6218.8586730335	985777.3170250766	39.58200013657775	-100.5584783	366158.022698425	4382525.01157405	2788.2314824782943	2677.655304549103	2663.311320730043	2667.770597	7.884756955780175	7.884756955780175
667	294	217487	6218.8586730335	985777.3170250766	39.5819954256423	-100.5561381	366358.99934438285	4382521.017013655	2787.2121085011756	2676.4371104808959	2671.168826250161	2671.168826250161	5.268429548377345	4.69627051043708
668	294	217488	6218.8586730335	985777.3170250766	39.581990730041774	-100.5537979	366559.975291982	4382517.01014758	2793.063430350473	2675.249621454482	2669.229933252972	2669.561473720653	6.19682015102235	5.688246672416981
669	294	217489	6218.8586730335	985777.3170250766	39.58198586	-100.5515477	366760.9511111971	4382513.009704175	2794.089637569185	2674.089636329546	2665.5991539103716	2665.7384127236814	8.4905091107474	8.311582175243615
670	294	217490	6218.8586730335	985777.3170250766	39.5819814859304	-100.5491175	366961.92680277734	4382509.00913687	2790.051301207293	2672.954179643534	2661.696036711757	2661.696036711757	11.258570205818456	11.219584989442865
671	294	217491	6218.8586730335	985777.3170250766	39.5819762005131	-100.5467773	367122.9022666138	4382505.09544409	2798.125045008212	2671.5393927886204	2667.794857966408	2667.690471255375	14.14828953404268	14.14828953404268
672	294	217492	6218.8586730335	985777.3170250766	39.5819713863304	-100.5444371	367363.877803387	4382501.00179273	2790.521359440015	2670.74147857998	2653.2174896733563	2653.21742759153	17.50338909631548	17.5002428034976
673	294	217493	6218.8586730335	985777.3170250766	39.581966437344306	-100.5420968	367564.8523170314	4382499.010267441	2792.91371821808	2669.65934273263	2648.459363842711	2648.39411824584	21.1999789950522	21.2593090679053
674	294	217494	6218.8586730335	985777.3170250766	39.58196144317876	-100.5397568	367765.828396193	4382493.01042358	2793.313266212006	2668.590036422864	2643.840597	2644.803757696745	24.943965234327	24.943965234327
675	294	217495	6218.8586730335	985777.3170250766	39.5819566308244	-100.5374166	367966.803453323	4382489.01854429	2794.408158919245	2667.5351781669046	2639.9706593566884	2639.890116234317	27.5609138012688	27.461419238474
676	294	217496	6218.8586730335	985777.3170250766	39.58195131922142	-100.5350764	368167.7783834463	4382485.01266643	2790.191962151675	2666.48235608058	2636.88226500696	2636.81750235456	29.60013407786206	29.6648545732105
677	294	217497	6218.8586730335	985777.3170250766	39.58194618942931	-100.5327362	368368.7531873743	4382481.014305997	2785.97018420322	2665.44178139067	2634.62791059109	2634.40017973929675	30.017069957446	30.01098875609595
678	294	217498	6218.8586730335	985777.3170250766	39.581941402267	-100.530306	368598.72665134	4382477.015863474	2791.76625402886	2664.410473	2633.579416201578	2632.547239614407	31.8338695317216	31.763143409224
679	294	217499	6218.8586730335	985777.3170250766	39.58193678421957	-100.527861	368796.7470146774	4382473.023279265	2793.941123376841	2663.382115846343	2636.190866393048	2636.190866393048	33.1448711782074	33.1448711782074
680	294	217500	6218.8586730335	985777.3170250766	39.5819305280801	-100.5257156	368971.678404504	4382469.01984577	2792.095686512916	2662.30136743245	2630.05477325897	2630.38823067976	32.3153632444561	31.9819004363653
681	294	217501	6218.8586730335	985777.3170250766	39.5819258117377	-100.5233574	369172.651145273	4382461.0184537	2793.096352380446	2661.35817907378	2629.05842806799	2629.05183164218	32.26286886675	31.856793905678
682	294	217502	6218.8586730335	985777.3170250766	39.5819198623399	-100.5210352	369373.6253213864	4382461.024	2788.67726256977	2660.34961824287	2628.207688454637	2628.719565414907	32.1419297562504	31.630522868901
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684	294	217504	6218.8586730335	985777.3170250766	39.58190915004206	-100.516349	369757.973298749	4382453.02788494	2788.433152011826	2658.335873603235	2626.738024277995	2627.0606108470242	31.97849325255993	31.27526756211305
685	294	217505	6218.8586730335	985777.3170250766	39.581903257833	-100.5140754	369976.7470166506	4382449.016035282	2789.421123376841	2657.381170013409	2625.1322445911196	2625.1322445911196	30.816471782074	30.816471782074
686	294	217506	6218.8586730335	985777.3170250766	39.5819017692075	-100.5117475	370177.0278016125	4382445.0317144008	2792.214811944008	2656.57171313948	2624.750545757314	2624.750545757314	32.1448711782074	32.1448711782074
687	294	217507	6218.8586730335	985777.3170250766	39.5818905402835	-100.5093343	370378.494	4382441.0396497	2782.581121580514	2655.30077692298	2625.4034248743806	2625.693321404303	29.98973281791758	29.6074627877895
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689	294	217509	6218.8586730335	985777.3170250766	39.58188110564346	-100.5046539	370780.441066393	4382437.04343225	2787.09667130035	2653.2344618617003	2624.702671557157	2624.953317	28.5317447058459	28.27914502605013
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691	294	217511	6218.8586730335	985777.3170250766	39.58186963	-100.4999735	371162.3877073734	4382425.05966862	2789.70849596299	2651.110348415673	2620.851369535474	2620.851369535474	30.3059858221195	30.3059858221195
692	294	217512	6218.8586730335	985777.3170250766	39.58186375105167	-100.4976234	371383.360243087	4382421.05966862	2789.421123376841	2650.02115846343	2619.0548490276	2619.0548490276	31.523704981465	31.523704981465
693	294	217513	6218.8586730335	985777.3170250766	39.58185786	-100.4952392	371584.330559249	4382417.06539648	2788.613948361704	2648.9083973118	2616.701101555503	2616.400338030789	32.0976871561497	32.50834107032915
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695	294	217515	6218.8586730335	985777.3170250766	39.58184612248204	-100.4906128	371986.2831369115	4382409.07505179	2783.2903302372724	2646.603300392995	2611.286793767678	2611.988138813594	35.633225213726	34.6048611163572
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697	294	217517	6218.8586730335	985777.3170250766	39.58183409759334	-100.4859324	372388.22008231785	4382401.06887653	2780.23238373105	2644.177403603612	2606.96236903404	2607.632320390307	36.1356999072134	36.1356999072134
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699	294	217519	6218.8586730335	985777.3170250766	39.5818196284214	-100.4819784	372796.9683012244	4382393.01644578	2780.23238373105	2643.76151067011	2604.784440439025	2605.4919710231083	38.1891710231083	37.42651783127167
700	294	217520	6218.8586730335	985777.3170250766	39.58181252061116	-100.4799119	372991.1392171615	4382389.02509564	277					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatElevBothKrg.	SatElevBothKrg.
43	25	17603	-343221.1413	986437.3170250766	35.57793978750578	-102.0163905	240920.856898529242	4382561.624790827	3740.1777700120565	3565.3036897059587	3511.871537234321	3541.28511032033093	3432.15247163789	24.018579385649446
44	25	17604	-342561.1413	986437.3170250766	35.5796327412655	-102.0140070	2411.36529054119	4385257.490348439	3731.820131	3564.148643684703	3510.322749527268	3537.01576487812	35.8258941757524	27.13606438758123
45	25	17605	-341901.1413	986437.3170250766	35.5796752930367	-102.011708	2413.924794846933	4385257.490348439	3732.466178810242	3563.06468773468	3509.677441320769	3512.36714685804	35.8153369559274	44.03269198475006
46	25	17606	-341241.1413	986437.3170250766	35.57801101108174	-102.009370	2415.04356874	4385257.490348439	3735.1048519033573	3557.359300470735	3507.540085085145	3511.5742917819608	30.33652431675994	
47	25	17607	-340581.1413	986437.3170250766	35.57803347616102	-102.007031	2417.253788689185	4385245.071	3719.415214040771	3560.768510053491	3505.983484138217	3522.770570819356	54.7750292	32.9879332366245
48	25	17608	-339921.1413	986437.3170250766	35.57805676241385	-102.0046911	2419.326432741663	4385240.933617471	3736.051658916673	3559.65158591673	3504.607688496513	3523.348320911352	55.043897122136514	35.7034657053712
49	25	17609	-339261.1413	986437.3170250766	35.57808002752277	-102.0023512	2421.274246802462	4385236.766991641	3753.371923234398	3558.55223	3503.448905820179	3516.227562801718	55.106317562841014	38.4521981891836
50	25	17610	-338601.1413	986437.3170250766	35.57810324260515	-102.0000114	2423.285027724855	4385232.6665744226	3757.09179326872	3557.4690551469685	3502.00689730179	3516.227562801718	55.043897122136514	41.24120232449854
51	25	17611	-337941.1413	986437.3170250766	35.5781264128849	-101.997678	2425.691469849633	4385225.22	3758.689778810242	3557.4690551469685	3502.00689730179	3516.227562801718	55.043897122136514	41.24120232449854
52	25	17612	-337281.1413	986437.3170250766	35.57814954	-101.9953138	2427.7026183446	4385224.38476451	3778.09103359325	3555.25444777893	3499.646952594107	3508.570441400707	55.67532714853	46.755003737178
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56	25	17616	-334641.1413	986437.3170250766	35.5782415831766	-101.985972	2435.350796630702	4385207.638495078	3772.9190371044	3551.1147323609584	3495.6925252217366	3494.022035482058	55.4220713922188	56.172528127558
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62	25	17622	-330681.1413	986437.3170250766	35.57837828054474	-101.9719326	2447.413283978618	4385183.02265613	3760.630128712867	3544.586240152504	3484.7208596502236	3489.64307930269	59.4194542198225	
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67	25	17627	-327381.1413	986437.3170250766	35.57849083313554	-101.9602331	2457.474819232437	4385162.35839714	3756.717182414041	3537.877419345783	3473.949076003595	3478.645784494954	63.9283432190146	62.2358368080985
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72	25	17632	-324081.1413	986437.3170250766	35.57860523977752	-101.948533	2467.516953077854	4385141.690340987	3758.79165042667	3530.05789952732	3530.05789952732	3467.02267839466	64.671837175792	62.7175183466583
73	25	17633	-323421.1413	986437.3170250766	35.57862641447004	-101.9461938	2469.561647150517	4385137.562	3759.96217912853	3528.47702393343	3464.90737959081	3466.524712218223	64.3863344326215	61.95236018712429
74	25	17634	-322761.1413	986437.3170250766	35.57864684477429	-101.9438537	2471.57417027	4385134.42937567	3756.1635877162364	3526.86445773643	3462.8786645370745	3465.001076721925	63.9839714029674	61.8617678
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76	25	17636	-321441.1413	986437.3170250766	35.57869096975917	-101.9391739	2475.667797954575	4385125.166749685	3749.470241659215	3523.629312156154	3460.2534115339217	3462.048487980008	63.6871856355892	61.76332460322495
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82	25	17642	-317481.1413	986437.3170250766	35.5788222599054	-101.9251343	2487.93378225404	4385100.382243048	3743.358961413343	3514.01098042194295	3453.2975508886927	3454.726972549574	61.3333549151321	61.7758809512941
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84	25	17644	-316161.1413	986437.3170250766	35.5788656169977	-101.920444	2491.95615691074975	4385092.12551409	3741.07513441104	3510.843242860043	3451.78576566335	3451.78576566335	61.3333549151321	61.7758809512941
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86	25	17646	-314841.1413	986437.3170250766	35.57890885678269	-101.9157746	2495.976730423515	4385083.964	3739.2180812657	3509.6891902778	3450.71373444007	3450.71373444007	61.3333549151321	61.7758809512941
87	25	17647	-314181.1413	986437.3170250766	35.57893042535608	-101.9134346	2497.984217504326	4385079.734688633	3738.2195107406493	3509.1554004143	3443.1129519982164	3443.233405552483	61.3333549151321	61.7758809512941
88	25	17648	-313521.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogs.ft	SatHBoth.ft
170	295	27720	-260601.1413	986437.3170250766	39.580543104346646	-101.7215553	266256.95283183036	4384741.909904209	3601.0399722708253	3407.6330077789466	3287.0005019179225	3287.121374739389	32.6325058102413	32.5011633044510783
170	295	27730	-259401.1413	986437.3170250766	39.5805509	-101.7192152	266458.0177710713	4384737.759	3566.599898966132	3406.653629273843	3286.3452796400373	3286.403647573843	32.63053722949468	32.500914266246324
171	295	27731	-257491.1413	986437.3170250766	39.58053784909538	-101.7168752	266659.6342796859	4384733.96892409	3568.178100393343	3406.58287275096	3286.5221871716583	3286.5221871716583	32.63053722949468	32.500914266246324
172	295	27732	-255081.1413	986437.3170250766	39.58059634143903	-101.7153252	266860.146958777	4384735.79	3567.7772570506123	3404.709434318652	3283.930427531401	3283.800201336589	32.63053722949468	32.500914266246324
173	295	27733	-252741.1413	986437.3170250766	39.58061396628874	-101.7121951	267061.212705555	4384735.488950575	3563.3784515415663	3403.746890615214	3281.542452185629	3281.2935022416664	32.63053722949468	32.500914266246324
174	295	27734	-250671.1413	986437.3170250766	39.58063130681477	-101.7098551	267262.272262849	4384731.259263878	3560.9796272506383	3402.792779	3279.082964210057	3278.807413820204	32.63053722949468	32.500914266246324
175	295	27735	-250141.1413	986437.3170250766	39.58064917169673	-101.707515	267463.30169411	4384731.440887612	3559.800371330724	3401.8520351494567	3276.5697340561896	3276.3273863164385	32.63053722949468	32.500914266246324
176	295	27736	-250141.1413	986437.3170250766	39.58066691374766	-101.705175	267684.402566613	4384731.149071373	3560.12183556624	3400.92648120884	3273.99024920341	3273.99024920341	32.63053722949468	32.500914266246324
177	295	27737	-250791.1413	986437.3170250766	39.5806416584697	-101.7028438	267865.46580813854	4384730.915356554	3560.383485963145	3400.0185440670112	3271.409640225393	3270.989197443002	32.63053722949468	32.500914266246324
178	295	27738	-254121.1413	986437.3170250766	39.58070159511875	-101.7004849	268066.592103339	4384704.922764181	3560.624809	3399.13869954044	3268.5790033592033	3268.2146478321587	32.63053722949468	32.500914266246324
179	295	27739	-253641.1413	986437.3170250766	39.58071891978474	-101.6981548	268267.591842847	4384700.8149247	3561.478501366716	3398.273627064054	3265.635321	3265.295793505823	32.63053722949468	32.500914266246324
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181	295	27741	-252141.1413	986437.3170250766	39.58075361170431	-101.6934747	268689.7646446927	4384692.9771266	3564.01050311124	3396.6243886202383	3259.8657438623482	3259.611485130465	32.63053722949468	32.500914266246324
182	295	27742	-251481.1413	986437.3170250766	39.58077800157766	-101.6911346	268870.7913538425	4384688.48911002	3565.872746432762	3395.833488714643	3258.920337345741	3258.6207690873345	32.63053722949468	32.500914266246324
183	295	27743	-250821.1413	986437.3170250766	39.58078806340722	-101.6887946	269071.8410964485	4384678.382173846	3566.0649404742068	3394.6649404742068	3258.4019934335958	3258.4019934335958	32.63053722949468	32.500914266246324
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185	295	27745	-249501.1413	986437.3170250766	39.580822334293245	-101.6841145	269473.9643353804	4384676.167445433	3554.77941940248	3393.588886035323	3257.2327205110805	3256.1191591791	32.63053722949468	32.500914266246324
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187	295	27747	-248181.1413	986437.3170250766	39.58085642436209	-101.6794343	269876.0866626949	4384667.953641633	3550.3432684793037	3392.188270809312	3255.772283184772	3254.668033	32.63053722949468	32.500914266246324
188	295	27748	-247521.1413	986437.3170250766	39.58087341589976	-101.6770943	270077.147411502	4384663.784707337	3555.667397893403	3391.5130254752357	3255.101793175694	3254.254287619778	32.63053722949468	32.500914266246324
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196	295	27756	-242241.1413	986437.3170250766	39.581017059253366	-101.6583737	271685.6294925447	4384631.002531203	3546.328085217822	3386.4588368209347	3247.2602791763093	3249.1985576272592	32.63053722949468	32.500914266246324
197	295	27757	-241581.1413	986437.3170250766	39.58102416243395	-101.6560373	271886.847197978	4384625.987963878	3541.015925899992	3385.26494258671	3245.9944586728613	3245.9944586728613	32.63053722949468	32.500914266246324
198	295	27758	-240921.1413	986437.3170250766	39.581040687622114	-101.6536373	272087.7433	4384622.79381858	3542.7931576007	3385.001367014896	3245.690511912525	3245.690511912525	32.63053722949468	32.500914266246324
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201	295	27761	-238941.1413	986437.3170250766	39.58108993194128	-101.6466734	272690.9176733084	4384618.4917814	3543.3834649879182	3382.005055696796	3237.268517380167	3243.608935063947	32.63053722949468	32.500914266246324
202	295	27762	-238281.1413	986437.3170250766	39.58110363112885	-101.6443333	272891.974382592	4384610.37445924	3543.518565879532	3380.6795846249023	3235.6833579699048	3239.485469646987	32.63053722949468	32.500914266246324
203	295	27763	-237621.1413	986437.3170250766	39.58112264	-101.6419362	273093.032885013	4384602.75225867	3541.70068573026	3379.25743782324	3234.15839634516387	3245.1324671087437	32.63053722949468	32.500914266246324
204	295	27764	-236961.1413	986437.3170250766	39.58113889240246	-101.639621	273294.00192135	4384598.172	3542.94568	3377.78113247434	3232.752020098962	3254.177312457459	32.63053722949468	32.500914266246324
205	295	27765	-236301.1413	986437.3170250766	39.581155098174054	-101.6373131	273495.1471096235	4384594.0425295	3542.16837195614	3376.2818957278493	3231.243932626814	3231.651702951597	32.63053722949468	32.500914266246324
206	295	27766	-235641.1413	986437.3170250766	39.58117126711801	-101.634973	273696.23086827	4384589.96658399	3520.42495259717	3374.756523078054	3229.809562907442	3229.258293624642	32.63053722949468	32.500914266246324
207	295	27767	-234981.1413	986437.3170250766	39.5811873005698	-101.6326329	273897.2604125017	4384585.864513672	3513.888751156933	3373.27161	3228.254070729171	3227.106193	32.63053722949468	32.500914266246324
208	295	27768	-234321.1413	986437.3170250766	39.58120345311903	-101.6303298	274098.3167729132	4384581.76291192	3510.606705	3371.6634843431393	3226.484384313774	3224.9019521431	32.63053722949468	32.500914266246324
209	295	27769	-233661.1413	986437.3170250766	39.58121948111985	-101.6279527	274299.3768027945	4384579.060490926	3513.416484221137	3370.10189945029	3225.3513030990757	3222.9023024234034	32.63053722949468	32.500914266246324
210	295	27770	-233001.1413	986437.3170250766	39.58123543834576	-101.6256126	274500.4287698538	4384573.55881267	3508.62064073223	3368.5312977794733	3222.82143967216	3222.7371642501292	32.63053722949468	32.500914266246324
211	295	27771	-232341.1413	986437.3170250766	39.58125181362466	-101.6232725	274701.4844374154	4384568.17841918	3507.81851820845	3367.549696594476	3221.98267384565	3221.98267384565	32.63053722949468	32.500914266246324
212	295	27772	-231681.1413	986437.3170250766	39.5812672363671	-101.620925	274902.5396765096	4384565.35123334	3508.306078662217	3365.368478613117	3220.68344	3216		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WZL	BR/ElevLogs.ft	BR/ElevBothKg.ft	SatH/Logs.ft	SatHBothKg.ft
295	295	17855	-176901.1413	986437.3170250766	39.58242876782993	-101.4267019	291589.3887122049	4384225.7275271695	333.2708690210834	322.44144333267	3119.812779007237	3116.614417492983	102.62769643	110.62703158997084
296	295	17856	-176241.1413	986437.3170250766	39.58244068281288	-101.4234367	291790.4262526131	4384221.644380184	3335.4811763188914	3225.9664735614635	3120.019995250435	3115.869645477574	105.94548104099042	110.09823068238925
297	295	17857	-175681.1413	986437.3170250766	39.582542591588415	-101.4220215	291911.4681	4384217.56254734	3337.6914826136387	3224.501028007636	3120.1989729897837	3113.601083063751	104.302055177854	110.892395484041435
298	295	17858	-174921.1413	986437.3170250766	39.58246917156514	-101.4196814	292190.5702052225	4384210.40400812	3340.97190914508	3223.056456646825	3120.6168112057835	3114.347368022434	102.363785488988	108.91691162448273
299	295	17859	-174261.1413	986437.3170250766	39.58247687651751	-101.4173412	292383.537643814	4384209.398	3345.838922159166	3221.6000177858778	3121.103947	3113.460047925801	100.4960760159577	108.13906986076907
300	295	17860	-173601.1413	986437.3170250766	39.58247690670304	-101.415001	292594.7547259116	4384205.31675723	3355.502716352036	3220.165167562036	3121.62471196264	3112.135913404698	98.5242293363957	108.0292562150486
301	295	17861	-172941.1413	986437.3170250766	39.58250066	-101.4126609	292795.6108932001	4384201.235	3366.16682542197	3218.741792959084	3122.3298433019045	3113.446074925801	90.411949571302	108.6273204648909
302	295	17862	-172281.1413	986437.3170250766	39.58251248335414	-101.4103207	292966.6741204681	4384197.154000253	3374.876773733687	3217.3310148179057	3123.128617	3114.848154557443	94.2011973365658	108.49846506216271
303	295	17863	-171621.1413	986437.3170250766	39.582542591588415	-101.4078695	293197.6832525985	4384193.702835387	3378.183370038993	3215.833784264565	3120.59846891195	3113.601083063751	92.423057368891556	108.892395484041435
304	295	17864	-170961.1413	986437.3170250766	39.58253958207774	-101.4056044	293398.719253003	4384188.991228938	3378.224574553891	3214.549431069182	3121.835728408549	3120.860473623942	92.732706053377	93.6813870624714
305	295	17865	-170301.1413	986437.3170250766	39.582547669323171	-101.4033002	293599.7548	4384184.911525496	3378.265788877692	3213.78142568398	3119.6525477	3118.86495333548	93.735254477	94.31435923294612
306	295	17866	-169641.1413	986437.3170250766	39.58255932623099	-101.40096	293800.7904502325	4384180.831	3348.306998229932	3211.821109604666	3118.13170383003	3114.1738971513753	93.68940571166331	94.7742532329077
307	295	17867	-168981.1413	986437.3170250766	39.582570923931165	-101.3986198	294001.8257358007	4384176.751	3349.704759744342	3210.475957744342	3117.3135844896468	3116.791043961347	93.7150904967403	94.6843256201472
308	295	17868	-168321.1413	986437.3170250766	39.58258247642369	-101.3962797	294202.860554201	4384172.671043931	3341.760537	3209.1430491870565	3117.8219398343163	3115.4851048239917	93.71109352740327	95.6759436305986
309	295	17869	-167661.1413	986437.3170250766	39.582593986770852	-101.3939395	294403.95957055914	4384168.991325303	3374.624895965837	3207.82214322835	3117.9398997175713	3119.492397483165	98.08317351076357	88.3301348001363
310	295	17870	-167001.1413	986437.3170250766	39.58260544578565	-101.3915993	294604.0304530327	4384164.511830109	3385.543482194348	3205.51329218546	3122.56910055207	3121.581978283803	93.94410153	93.9461291
311	295	17871	-166341.1413	986437.3170250766	39.582616862655044	-101.3892591	294805.9644945826	4384160.43255341	3386.627454067388	3205.21807430702	3124.3861616725444	3122.7957270855005	90.82965475817577	89.0163534520164
312	295	17872	-165681.1413	986437.3170250766	39.58262834231671	-101.386919	295006.9902446308	4384156.3501993	3376.8475402106356	3203.927189639056	3123.265829750941	3122.766578309347	90.82965475817577	89.0163534520164
313	295	17873	-165021.1413	986437.3170250766	39.58263968702067	-101.3845788	295208.033387266	4384152.274670054	3367.122304586306	3202.642987330446	3118.79487883473	3118.618295168988	82.5331084	84.0290135659056
314	295	17874	-164361.1413	986437.3170250766	39.582650560421667	-101.3822386	295409.0672319517	4384148.19659177	3371.3736961171943	3201.3736961171943	3115.511825382177	3118.930586715992	85.8612472901746	87.48061409395056
315	295	17875	-163701.1413	986437.3170250766	39.582662078054945	-101.3798984	295610.10905114	4384144.117057022	3354.607792658181	3200.0996168226267	3117.31813439034	3117.8106269326077	88.1875232432959	90.88879244585496
316	295	17876	-163041.1413	986437.3170250766	39.58267325889354	-101.3775583	295811.1344161514	4384140.139630738	3385.83002655432	3198.541012035394	3105.018203621295	3114.800572334595	93.8057899312685	93.8057899312685
317	295	17877	-162381.1413	986437.3170250766	39.58268454787895	-101.3752181	296025.582731107	4384136.981556248	3384.599941828433	3197.54309211615	3104.030018960441	3114.800572334595	93.8057899312685	93.8057899312685
318	295	17878	-161721.1413	986437.3170250766	39.58269551492258	-101.3728779	296213.2008025725	4384131.884	3367.292125698344	3196.26410880044	3100.9572989010167	3105.9661611703767	93.75069098	97.572477062744
319	295	17879	-161061.1413	986437.3170250766	39.58270657017249	-101.3705377	296414.2369221645	4384127.05584422	3341.977963824751	3097.627993	3095.996784713013	3107.9090726892097	99.38131547	99.38131547
320	295	17880	-160401.1413	986437.3170250766	39.58271758012389	-101.3681975	296615.266385387	4384123.729053143	3375.1179318746467	3193.686871986811	3095.130723233654	3093.3392477227976	95.5614873344575	100.34762424601
321	295	17881	-159741.1413	986437.3170250766	39.58272854491932	-101.3658573	296816.78887743143	4384119.18548375	3378.9257850554871	3192.3901200267581	3092.903681370785	3091.4917705931547	94.8715189	100.893449332675
322	295	17882	-159081.1413	986437.3170250766	39.58273984397228	-101.3635172	297077.3317117012	4384115.57147173	3382.73363235095	3191.077188514296	3090.79565982486	3089.629364314528	100.2920595894347	101.4578453690147
323	295	17883	-158421.1413	986437.3170250766	39.58275130887678	-101.3611737	297278.96757527	4384111.48865204	3384.599941828433	3189.862998918158	3088.629967429017	3108.7502414561688	101.7502414561688	101.7502414561688
324	295	17884	-157761.1413	986437.3170250766	39.58276116804421	-101.3588368	297419.3951619255	4384107.421225959	3387.425829270666	3187.4674889893346	3087.425829270666	3082.1007783231074	102.742509627812	102.742509627812
325	295	17885	-157101.1413	986437.3170250766	39.58277192030222	-101.3564966	297620.4268588265	4384103.346	3384.44711661639	3187.14955859291	3081.5971040112463	3078.7821019718687	105.552445490446	108.93342336170424
326	295	17886	-156441.1413	986437.3170250766	39.58278260975413	-101.3541564	297821.4584	4384099.26999098	3384.374570396211	3185.82643078898	3078.69674053497	3078.625320069394	107.1279690254919	111.1960270039056
327	295	17887	-155781.1413	986437.3170250766	39.58279334249656	-101.3518162	298022.486658298	4384095.19426584	3383.46546575938	3184.498268418527	3078.670383173889	3078.617440739181	108.6289054679637	112.6684807116684
328	295	17888	-155121.1413	986437.3170250766	39.582804032631735	-101.3494761	298223.5027609496	4384091.175814586	3381.731731571518	3183.189790303173	3078.1309539823837	3080.692415813655	110.0734304764758	114.47763041115857
329	295	17889	-154461.1413	986437.3170250766	39.58281463575898	-101.3471399	298424.5516681913	4384087.43464411	3379.984267459533	3181.834471871953	3078.228728165023	3065.937202698196	111.6056137069304	115.8962160233365
330	295	17890	-153801.1413	986437.3170250766	39.58282532108789	-101.344757	298625.582731107	4384082.96380241	3378.2517434707	3180.49511980577	3077.54309211615	3077.54309211615	111.7550904967403	117.7550904967403
331	295	17891	-153141.1413	986437.3170250766	39.58283670363948	-101.3424555	298826.6129829612	4384078.95345312	3378.264142258812	3179.32246	3066.701263969025	3061.681530020675	113.052323951761	117.4707660628493
332	295	17892	-152481.1413	986437.3170250766	39.58284671389466	-101.3401153	299027.6432957192	4384074.181981671	3374.081167716563	3174.00344860255	3063.071683054033	3059.62909829315	114.7236652285153	117.978498509386
333	295	17893	-151821.1413	986437.3170250766	39.582856569188634	-101.3377751	299228.6734115173	4384070.745	3371.876071317313	3176.494218217036	3060.84963378622	3058.6024724213	115.5989084338173	117.842655749806
334	295	17894	-151161.1413	986437.3170250766	39.582866973321547	-101.3354349	299429.703305623	4384066.67329135	3369.67107498308	3175.081161481925	3058.17764279039	3057.360150479834	115.91004185115334	114.8871114393629
335	295	17895	-150501.1413	986437.3170250766	39.58287763271992	-101.3330497	299630.733036083	4384062.95696227	3364.065079262518	3173.712182695143	3057.9386037625423	3053.36970193447	116.0525788967293	116.0525788967293
336	295	17896	-149841.1413	986437.3170250766	39.582887915912126	-101.3307455	299831.7625761953	4384058.52324546	3360.99419497569	3172.34572017956	3056.973951860767	3054.63420470618	115.3745731751136	114.70555243173385
337	295	17897	-149181.1413	986437.3170250766	39.58289826277854	-101.3284172	299942.9679092386	4384054.04190154	3358.44718378454	3171.234572017956	3055.94303478454	3055.94303478454	115.3745731751136	114.70555243173385
338	295	17898	-148521.1413	986437.3170250766	39.582909802958129	-101.3267041	3000323.8102433326	4384050.375804431	3350.9049439	3169.9437096910265	3055.104861506752	3052.90195153232023	114.4895039062453	116.047176323491
339	295	17899	-147861.											

ix	iy	X	Y	Y.R	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BR/ElevLogs.kf	BR/ElevBot.kf	SatHtLogs.kf	SatHtBot.kf
419	25	217981	-937431.143133	986437.3170250766	59.58395672065707	-101.131836	316918.5769973446	438373.062316185	4845.21844794841	2969.401363426327	2965.898028	487.4725441	101.98059304397594	
422	295	217982	-930891.143133	986437.3170250766	59.58360311935191	-101.124958	3171.9159010823485	438370.0970750021	5172.259923726573	3064.612473063876	2968.3767338076154	2968.7005074894167	102.2472957445915	
423	295	217983	-924241.143133	986437.3170250766	59.58369494728371	-101.127156	3172.6914935404882	438370.0970750021	5172.259923726573	3064.612473063876	2968.3767338076154	2968.7005074894167	102.2472957445915	
424	295	217984	-917611.143133	986437.3170250766	59.583615781112655	-101.124815	3175.081261616395205	438370.0970750021	5172.259923726573	3064.612473063876	2968.3767338076154	2968.7005074894167	102.2472957445915	
425	295	217985	-910111.143133	986437.3170250766	59.58362204417852	-101.1224751	3177.22216293	438366.844654462	310.812173238356	3062.7802462277225	2967.117236213596	2965.9358653830694	103.2442924466302	
426	295	217986	-90441.143133	986437.3170250766	59.583628262034686	-101.1201348	3179.631461969629	438366.7900750021	310.812173238356	3062.7802462277225	2967.117236213596	2965.9358653830694	103.2442924466302	
427	295	217987	-89781.143133	986437.3170250766	59.58363443681166	-101.1177946	3181.245403648516	438366.73146698	310.812173238356	3062.7802462277225	2967.117236213596	2965.9358653830694	103.2442924466302	
428	295	217988	-89121.143133	986437.3170250766	59.58364056211797	-101.1154544	3183.28516668342617	438368.683723758	312.0224007469331	3058.8516801946685	2967.990885	2965.7772032392326	103.6470794173835	
429	295	217989	-88461.143133	986437.3170250766	59.58364667435616	-101.113141	3185.67600059966	438368.636521198	312.0224007469331	3058.8516801946685	2967.990885	2965.7772032392326	103.6470794173835	
430	295	217990	-87801.143133	986437.3170250766	59.58365281362245	-101.1107739	3187.7271600898204	438367.557338985	312.0224007469331	3058.8516801946685	2967.990885	2965.7772032392326	103.6470794173835	
431	295	217991	-87141.143133	986437.3170250766	59.5836585316992	-101.1084338	3189.82672082379	438367.522771405	311.1646080695513	3054.811330040475	2973.1060113099247	2957.0028104341263	103.6470794173835	
432	295	217992	-86481.143133	986437.3170250766	59.583664619767745	-101.1060934	3191.29137418429604	438368.472354948	312.0561682146624	3053.443110288245	2977.500941844003	2966.5294834189344	103.6470794173835	
433	295	217993	-85821.143133	986437.3170250766	59.583670521155824	-101.1037531	3193.7309725897393	438368.472354948	312.0561682146624	3053.443110288245	2977.500941844003	2966.5294834189344	103.6470794173835	
434	295	217994	-85161.143133	986437.3170250766	59.5836767373409	-101.1014129	3195.37317372	438366.367415725	312.1892706240382	3046.678955149506	2982.74868526893	2985.2047859654726	103.6470794173835	
435	295	217995	-84501.143133	986437.3170250766	59.583682188302575	-101.0990727	3197.327483	438366.219354576	312.2456405466262	3049.284228700202	2978.50549949879	2977.577074498564	103.6470794173835	
436	295	217996	-83841.143133	986437.3170250766	59.5836879406128	-101.0967324	3199.37520220546	438365.26427406828	314.073130106628	3047.8801961472726	2971.562404820293	2970.71523620174	103.6470794173835	
437	295	217997	-83181.143133	986437.3170250766	59.58369367461018	-101.0943322	3201.3401769678302	438364.8123	314.8528017367671	3046.468310176159	2967.3064718366322	2965.319856926662	103.6470794173835	
438	295	217998	-82521.143133	986437.3170250766	59.58369934949235	-101.0920519	3203.35705511554	438364.161617058	314.073130106628	3045.40758118385	2963.515864562273	2961.153209739662	103.6470794173835	
439	295	217999	-81861.143133	986437.3170250766	59.5837049800784	-101.0897117	3205.3967906277885	438364.1011	314.073130106628	3043.61798823318	2960.3392085250616	2957.640112172725	103.6470794173835	
440	295	218000	-81201.143133	986437.3170250766	59.58371054697844	-101.0873714	3207.370181934604	438363.059408085	314.5402940489898	3042.17896916347	2957.4017439783447	2954.6252921212674	103.6470794173835	
441	295	218001	-80541.143133	986437.3170250766	59.58371610470738	-101.0850312	3209.3811124943285	438362.009283067	314.40170208	3040.7394048606603	2954.7079522271956	2951.965041432377	103.6470794173835	
442	295	218002	-79881.143133	986437.3170250766	59.58372159502707	-101.0826909	3211.391821307433	438362.359	314.40170208	3039.7390520846623	2951.766424	2951.965041432377	103.6470794173835	
443	295	218003	-79221.143133	986437.3170250766	59.58372704957955	-101.080357	3213.4009380005	438362.359	314.40170208	3039.7390520846623	2951.766424	2951.965041432377	103.6470794173835	
444	295	218004	-78561.143133	986437.3170250766	59.58373245576704	-101.0780104	3215.41840710157	438359.158983237	312.3730330146224	3036.375599941895	2954.545415904305	2950.009148386	103.6470794173835	
445	295	218005	-77901.143133	986437.3170250766	59.58373871144671	-101.0756702	3217.428497301288	438358.1809	310.6730273667961	3034.228287534524	2944.2265924964163	2943.203051082274	103.6470794173835	
446	295	218006	-77241.143133	986437.3170250766	59.583743125106814	-101.0732329	3219.433589	438357.179800033	303.468744718054	3034.194689641273	2941.3072053055195	95.12148602	103.6470794173835	
447	295	218007	-76581.143133	986437.3170250766	59.58374833556995	-101.0709897	3221.4448679	438360.771	308.878491981227	3032.0182160029876	2939.82422284584	95.12148602	103.6470794173835	
448	295	218008	-75921.143133	986437.3170250766	59.58375361797257	-101.0686494	3223.4587609585	438360.61549531	308.8710427771305	3030.554454568896	2937.785497493977	95.12148602	103.6470794173835	
449	295	218009	-75261.143133	986437.3170250766	59.58375894795755	-101.066327	3225.469784516509	438359.87254616	308.8710427771305	3029.939437689768	2936.017042467116	95.12148602	103.6470794173835	
450	295	218010	-74601.143133	986437.3170250766	59.58376427674781	-101.064024	3227.474719999	438359.5417999	308.8710427771305	3029.939437689768	2936.017042467116	95.12148602	103.6470794173835	
451	295	218011	-73941.143133	986437.3170250766	59.58376901525831	-101.0616287	3229.4824024433923	438359.158983237	308.8710427771305	3029.939437689768	2936.017042467116	95.12148602	103.6470794173835	
452	295	218012	-73281.143133	986437.3170250766	59.58377405765875	-101.0592885	3231.4910391885	438357.179800033	308.8710427771305	3029.939437689768	2936.017042467116	95.12148602	103.6470794173835	
453	295	218013	-72621.143133	986437.3170250766	59.5837790544921	-101.0569482	3233.5018367172	438358.41977867	308.8710427771305	3029.939437689768	2936.017042467116	95.12148602	103.6470794173835	
454	295	218014	-71961.143133	986437.3170250766	59.5837840682968	-101.0546408	3235.519261704014	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
455	295	218015	-71301.143133	986437.3170250766	59.583789196017	-101.0523277	3237.52333079873	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
456	295	218016	-70641.143133	986437.3170250766	59.58379437516082	-101.050037	3239.5416154797	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
457	295	218017	-69981.143133	986437.3170250766	59.583799587969	-101.047872	3241.54548498196	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
458	295	218018	-69321.143133	986437.3170250766	59.5838032651516	-101.0452469	3243.553957	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
459	295	218019	-68661.143133	986437.3170250766	59.58380858842556	-101.0429067	3245.5627129317	438359.732084368	310.6730273667961	3021.6511520018193	2927.98439401023	95.12148602	103.6470794173835	
460	295	218020	-68001.143133	986437.3170250766	59.5838127	-101.0405664	3247.56964871	438355.091	308.8710427771305	3012.31618381725	2903.793027445169	95.12148602	103.6470794173835	
461	295	218021	-67341.143133	986437.3170250766	59.58381740481487	-101.0382262	3249.58796928113	438355.04394647	308.8710427771305	3012.31618381725	2903.793027445169	95.12148602	103.6470794173835	
462	295	218022	-66681.143133	986437.3170250766	59.58382195115095	-101.0358869	3251.59186257308	438354.98426638	307.7510474168741	3009.14412370371	2901.991705337964	95.12148602	103.6470794173835	
463	295	218023	-66021.143133	986437.3170250766	59.5838264020524	-101.033542	3253.6014920524	438354.98426638	307.7510474168741	3009.14412370371	2901.991705337964	95.12148602	103.6470794173835	
464	295	218024	-65361.143133	986437.3170250766	59.58383104006532	-101.0312054	3255.6119488510203	438353.967206231	304.07501106761	3005.908755885076	2901.991705337964	95.12148602	103.6470794173835	
465	295	218025	-64701.143133	986437.3170250766	59.58383544755306	-101.0288652	3257.630008934865	438353.967206231	304.07501106761	3005.908755885076	2901.991705337964	95.12148602	103.6470794173835	
466	295	218026	-64041.143133	986437.3170250766	59.5838400241519	-101.0265249	3259.6405664101	438353.967206231	304.07501106761	3005.908755885076	2901.991705337964	95.12148602	103.6470794173835	
467	295	218027	-63381.143133	986437.3170250766	59.5838442846469	-101.0241847	3261.6510142984	438353.967206231	304.07501106761	3005.908755885076	2901.991705337964	95.12148602	103.6470794173835	
468	295	218028	-62721.143133	986437.3170250766	59.58384858750463	-101.0218444	3263.6617654135	438353.967206231	304.07501106761	3005.908755885076	2901.991705337964	95.12148602	103.6470794173835	
469	29													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurElevKgr.f	SurElevKgr.f
543	25	218107	-11091.141327	986437.3170250766	39.580446927119296	-100.369637	42244.9286131159	4383203.898260795	2967.0810351565074	2835.425345119098	2821.9079604870085	2821.0319870284065	31.51781032079356	32.393543084981304
548	25	218108	-9921.141327	986437.3170250766	39.580447629300414	-100.832438	34244.92116218363	4383199.871180751	2970.66128278488	2851.3068586473964	2820.9835895250058	2820.1814748098084	30.3239915	31.124841584487967
549	25	218109	-9261.141327	986437.3170250766	39.580448269313169	-100.823281	34246.91844274168	4383154.844274168	2984.2341530513499	2839.2341530513499	2839.2341530513499	2839.2341530513499	30.4081546528364	30.4081546528364
550	25	218110	-8601.141327	986437.3170250766	39.580448898112111	-100.829428	34247.90580306026	4383191.871703707	2977.8217278	2847.3713880581185	2815.4536633099953	2815.732506828186	29.8153367447186196	30.0930192909548
551	25	218111	-7941.141327	986437.3170250766	39.580449464700772	-100.827626	34304.88789951723	4383187.791419352	2973.271158430243	2845.564969815222	2817.5845065598187	2815.5531973956863	27.9804025540331	30.0117994195369
552	25	218112	-7281.141327	986437.3170250766	39.580449960679786	-100.825263	34324.88983544963	4383183.765217097	2970.66128278488	2843.634996026036	2816.384537516265	2814.756480736766	27.2202615	29.10661782892098
553	25	218113	-6621.141327	986437.3170250766	39.58045004222386	-100.822922	34345.88162403457	4383179.739422721	2947.90814631785	2842.262467120129	2815.0923085459135	2813.34534	27.70158574251293	28.9171263768386898
554	25	218114	-5961.141327	986437.3170250766	39.580450893176425	-100.820518	34351.87326116074	4383175.71362865	2938.2266261438077	2843.75138539434	2817.71698662791527	27.27911543971777	28.9171263768386898	28.9171263768386898
555	25	218115	-5301.141327	986437.3170250766	39.58045127811389	-100.822813	34352.964747056	4383175.84814298	2938.2266261438077	2843.75138539434	2817.71698662791527	27.27911543971777	28.9171263768386898	28.9171263768386898
556	25	218116	-4641.141327	986437.3170250766	39.58045161944014	-100.815012	34353.854508178447	4383167.65272721	2947.90814631785	2842.262467120129	2815.0923085459135	2813.34534	27.70158574251293	28.9171263768386898
557	25	218117	-3981.141327	986437.3170250766	39.58045191475756	-100.813561	34425.8454	4383163.63781063	2952.300607237986	2836.693448	2807.263978810344	2805.744280181617	27.400345908252372	30.0117994195369
558	25	218118	-3321.141327	986437.3170250766	39.58045216	-100.812207	34445.83298567	4383156.1289243	2961.666920345993	2845.7674491318697	2804.76774935282	2803.13734148663	30.69999779177595	32.32974171320434
559	25	218119	-2661.141327	986437.3170250766	39.580452369759085	-100.808804	34456.82918177894	4383158.358376792	2966.873033630649	2834.294859793964	2803.4591874313696	2803.685900527491	30.69999779177595	34.32849585186563
560	25	218120	-2001.141327	986437.3170250766	39.5804525244004	-100.805642	34467.8199143435	4383151.5638371	2967.9029056013557	2837.171032813658	2802.0614375117675	2801.957863447278	31.10995930968262	34.3203638408797
561	25	218121	-1341.141327	986437.3170250766	39.580452643918575	-100.804199	34505.81049683447	4383147.339899898	2968.963790571157	2832.09326931454	2800.2548107420996	2798.567316345427	31.28282189554458	34.3203638408797
562	25	218122	-681.141327	986437.3170250766	39.58045271318252	-100.801859	34529.8002958454	4383143.15851608	2970.015600126757	2831.05789089917	2798.42012252005	2794.41112977382	32.6374665191944	36.64146112225064
563	25	218123	-114.123693	986437.3170250766	39.58045277323597	-100.7995194	34546.7912126593	4383139.49212052	2968.7863373862	2830.060838760634	2798.805825138347	2792.88169244463	32.3550143771657	37.17923611618424
564	25	218124	638.586730733514	986437.3170250766	39.580452716778923	-100.7971791	34566.1781364131	4383135.48604689	2965.28157890074	2829.1006754678945	2795.0213021569357	2790.385106589545	37.97373213087	38.75162404928801
565	25	218125	1298.586730733514	986437.3170250766	39.5804526971131	-100.794838	34582.7713307545	4383131.45430848	2961.76324024683	2828.1746909145436	2793.068226807035	2792.665970875757	35.1048673379321	40.50871913878564
566	25	218126	1958.586730733514	986437.3170250766	39.58045238133264	-100.792498	34603.7611661828	4383172.42231418	2958.271158430243	2827.281568142734	2791.14322876511	2784.63935835404	36.193226722396	41.64161220419314
567	25	218127	2618.586730733514	986437.3170250766	39.58045238133467	-100.7901583	34624.75082508297	4383123.39373854	2957.040841331	2826.4198543851785	2789.13680416271	2781.371495694665	37.2834939680735	44.68270451711986
568	25	218128	3278.586730733514	986437.3170250766	39.58045217345555	-100.787818	34645.7403063865	4383119.37673158	2958.05546572813	2825.5806076997177	2807.07028365778	2780.73498698378	38.28282189554458	45.75322798599974
569	25	218129	3938.586730733514	986437.3170250766	39.5804519254454	-100.785543	34679.5784353196	4383109.24859474	2959.24789804854	2824.7298436854	2806.15729843681	2781.020798561228	45.1546946	46.898076093156
570	25	218130	4598.586730733514	986437.3170250766	39.58045163971579	-100.783175	34697.7190215924	4383107.31211608	2960.17482559052184	2824.00683548673	2807.07028365778	2781.020798561228	45.1546946	46.898076093156
571	25	218131	5258.586730733514	986437.3170250766	39.580451308513	-100.7807927	34708.7081159347	4383107.31211608	2959.610783378635	2823.255907731109	2779.96730873554	2780.73498698378	38.28282189554458	45.75322798599974
572	25	218132	5918.586730733514	986437.3170250766	39.58045091243636	-100.778457	34729.6990108887	4383103.2883741055	2957.4380392662	2822.5265267718087	2777.60610459632	2769.6615387945	44.92047132176596	52.860373098573
573	25	218133	6578.586730733514	986437.3170250766	39.580450491192265	-100.7761167	34740.6885921403	4383099.267	2955.26588583452	2821.817407573864	2775.458302634138	2769.5789631493	45.8388349	52.8738517428204
574	25	218134	7238.586730733514	986437.3170250766	39.58045000	-100.773764	34761.6740599752	4383095.24559122	2953.092521462464	2821.124963916928	2773.729034190388	2769.73208248947	47.3959297365364	51.39281167447107
575	25	218135	7898.586730733514	986437.3170250766	39.58044951	-100.771361	34782.6730315746	4383091.22445494	2950.9516586895188	2819.72045967908	2773.729034190388	2769.73208248947	47.3959297365364	51.39281167447107
576	25	218136	8558.586730733514	986437.3170250766	39.58044902	-100.769024	34803.73702385	4383097.23051077	2948.142616123974	2819.72045967908	2773.729034190388	2769.73208248947	47.3959297365364	51.39281167447107
577	25	218137	9218.586730733514	986437.3170250766	39.580448368049	-100.7667556	34824.7436801331	4383083.18285885	2946.2335733548675	2818.14192951815	2772.10620634516	2771.77195667284	48.2120903483629	47.3959297365364
578	25	218138	9878.586730733514	986437.3170250766	39.58044777276286	-100.7644153	34847.6276343958	4383078.16240904	2943.32450535677	2816.450213213513	2773.729034190388	2771.77195667284	48.2120903483629	47.3959297365364
579	25	218139	10538.586730733514	986437.3170250766	39.58044697346158	-100.7620751	34867.6155605247	4383075.14281324	2935.229351764534	2817.8002584509277	2773.729034190388	2771.77195667284	48.2120903483629	47.3959297365364
580	25	218140	11198.586730733514	986437.3170250766	39.5804462289363	-100.7597348	34887.6033314186	4383071.12175531	2932.94803428658	2817.145073	2772.506706945387	2771.77195667284	48.2120903483629	47.3959297365364
581	25	218141	11858.586730733514	986437.3170250766	39.58044543920038	-100.7573493	34898.5990595943	4383067.10287127	2930.66715776802	2816.4898647843664	2770.618251329393	2769.5789631493	47.3959297365364	51.39281167447107
582	25	218142	12518.586730733514	986437.3170250766	39.58044462425446	-100.755043	34919.5784353196	4383059.24859474	2928.35472277864	2815.72722826278	2767.70703017945	2767.70703017945	48.2120903483629	47.3959297365364
583	25	218143	13178.586730733514	986437.3170250766	39.58044372409768	-100.752714	34940.567569242	4383059.67486925	2925.95501796004	2815.15802149599	2764.45849783496	2764.45849783496	48.2120903483629	47.3959297365364
584	25	218144	13838.586730733514	986437.3170250766	39.58044279873045	-100.7503737	34961.55295730025	4383055.40433918	2923.7610775976	2814.48573211497	2761.854013397163	2761.854013397163	48.2120903483629	47.3959297365364
585	25	218145	14498.586730733514	986437.3170250766	39.58044182152756	-100.7480335	34982.5400011656	4383051.0245158	2918.76121957148	2813.80506516252	2759.233404099625	2759.233404099625	47.3959297365364	51.39281167447107
586	25	218146	15158.586730733514	986437.3170250766	39.58044081236454	-100.7456932	35003.526969035	4383047.06732336	2915.416673103613	2813.17720529873	2756.7581668826	2756.7581668826	47.3959297365364	51.39281167447107
587	25	218147	15818.586730733514	986437.3170250766	39.5804397135683	-100.743329	35024.5183336523	4383043.98295042	2912.63427980187	2812.423549018577	2754.988682396106	2754.988682396106	47.3959297365364	51.39281167447107
588	25	218148	16478.586730733514	986437.3170250766	39.5804386	-100.7410172	35045.5006253158	4383038.97000676	2910.2471845194	2811.72321756043	2752.95234520633	2752.95234520633	47.3959297365364	51.39281167447107
589	25	218149	17138.586730733514	986437.3170250766	39.58043759271	-100.738742	35066.492597871	4383034.000676	2907.9516748674	2810.9117032848	2750.911580514882	2750.911580514882	47.3959297365364	51.39281167447107
590	25	218150	17798.586730733514	986437.3170250766	39.58043629710624	-100.7363121	35087.4714433396	4383031.54311521	2907.148459411381	2810.299925754068	2750.46770772892	2750.467707728		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREVElevKgr.f	BREVEloftKgr.f	SurfElev.f	W.Lt.	SatHtboKgr.f	SatHtboKgr.f
673	25	18233	72578.8586773035	986437.3170250766	39.58377937345111	-100.54209095	367568.8506858198	4326268.218331945	2780.377893207597	2688.6190047286926	2649.0238280043986	2648.9423585740974	19.795176724293924	19.87666414559164		
674	25	18234	72528.8586773035	986437.3170250766	39.583774379156985	-100.5397053	367769.83110717859	4326268.218888393	2774.167219836847	2667.7685656213705	2643.176210138585	2642.858068644824	24.592464511373065	24.910048180407575		
675	25	18235	72698.8586773035	986437.3170250766	39.583778324	-100.537481	367870.96083819987	4326268.219664281	2773.621983624416	2665.729189624416	2638.156092589897	2637.185097618454	28.2135789089187	28.56907682568137		
676	25	18236	72658.8586773035	986437.3170250766	39.5837645238886	-100.53506938	368171.7805	4326268.206061796	2778.642822144775	2665.690241860394	2635.05006063873	2634.744123	34.592457965127	30.95511836074636		
677	25	18237	75218.8586773035	986437.3170250766	39.58375912501486	-100.5327295	368372.755119476	4326268.221669976	2783.684741094043	2664.6796359314935	2632.3128570386017	2632.09664670625	32.3667788916981	32.58286822506841		
678	25	18238	75878.8586773035	986437.3170250766	39.58375349880915	-100.5303893	368573.72569577323	4326268.223300309	2788.72407144004	2663.66926870359	2630.132574483506	2630.1074760259	33.46533424200827	33.56435080809092		
679	25	18239	76538.8586773035	986437.3170250766	39.58374872953072	-100.528049	368774.7381882823	4326268.22448852	2789.654523174585	2662.6775570971	2628.7014	2628.801391277071	33.56325031012	33.8663642324814		
680	25	18240	77198.8586773035	986437.3170250766	39.5837443693919	-100.5257808	368975.6780781368	4326268.22681896	2790.480282460964	2661.6727369070063	2627.652849552728	2627.900045873087	34.0198873423356	33.771901969765		
681	25	18241	77898.8586773035	986437.3170250766	39.583740369194	-100.5233685	369176.852148466	4326268.228611136	2796.2551266794172	2660.72918569116	2626.914779255727	2627.209217	33.7688000278185	33.7688000278185		
682	25	18242	78518.8586773035	986437.3170250766	39.58373279724579	-100.5210283	369377.6209542185	4326268.231204658	2797.549126380925	2659.89722182145	2626.01222570054	2626.16205251696036	33.6849811119091	33.53016512641505		
683	25	18243	79178.8586773035	986437.3170250766	39.5837273060226	-100.518888	369576.59991644817	4326268.232764589	2785.321198161437	2658.73468437933	2625.66223459137	2625.675876838037	33.0512337896037	33.0348015962328		
684	25	18244	79838.8586773035	986437.3170250766	39.58372194666838	-100.5163478	369779.576127326	4326268.234666524	2783.0417600713807	2657.729978625623	2625.689361042117	2625.5386236704607	32.77102548440062	32.9115498219162		
685	25	18245	80498.8586773035	986437.3170250766	39.583716580056496	-100.5140075	369980.54481847855	4326268.236428442	2780.761195813234	2656.74504632523	2624.7383441478906	2625.36049581371	31.43877471913813	31.43877471913813		
686	25	18246	81158.8586773035	986437.3170250766	39.58371092125234	-100.5116673	370181.52063189206	4326268.242801415	2778.4816389172676	2655.790265571275	2624.757892697072	2624.757892697072	31.011336060595	30.6382512993257		
687	25	18247	81818.8586773035	986437.3170250766	39.58370533922951	-100.5093271	370382.4395951801	4326268.245996225	2778.6788187190935	2654.76693861908	2624.6895470923285	2625.022458149874	30.08914669549503	29.74344791229327		
688	25	18248	82478.8586773035	986437.3170250766	39.58369971199642	-100.5069868	370583.6471545473	4326268.248080261	2781.9471005647987	2653.7613247590754	2624.706208485042	2624.9840105372109	29.058054009571183	28.78031422064096		
689	25	18249	83138.8586773035	986437.3170250766	39.583694039553706	-100.5044668	370784.44023019966	4326268.253401025	2785.0175024105562	2647.79089480514	2624.675104818306	2624.728779887468	28.7844662208364	27.9311614176558		
690	25	18250	83798.8586773035	986437.3170250766	39.5836821901117	-100.5023063	370985.4181232415	4326268.25749993	2788.32474450612	2651.718554110714	2624.675104818306	2624.728779887468	28.7844662208364	27.9311614176558		
691	25	18251	84458.8586773035	986437.3170250766	39.5836255093881	-100.4999661	371186.3801118024	4326268.261757664	2788.888741349048	2650.67123774009	2620.6427106217975	2620.6427106217975	28.7844662208364	27.9311614176558		
692	25	18252	85118.8586773035	986437.3170250766	39.5836175096667	-100.4976258	371387.387169203	4326268.26423332	2789.03213960934	2649.6025213247226	2617.993078544105	2617.993078544105	31.089427301208	31.2617933673753		
693	25	18253	85778.8586773035	986437.3170250766	39.58361098768474	-100.4952963	371588.331	4326268.27098758	2785.9518468077984	2648.5088377958641	2615.864862702575	2615.864862702575	32.643907101024	32.1242289181664		
694	25	18254	86438.8586773035	986437.3170250766	39.5836049919303	-100.4929584	371789.307599276	4326268.27698615	2784.533170014654	2647.841341460205	2614.155754196215	2614.155754196215	32.643907101024	32.1242289181664		
695	25	18255	87098.8586773035	986437.3170250766	39.583600065301	-100.4906201	371990.10763079	4326268.283143549	2784.533170014654	2647.841341460205	2614.155754196215	2614.155754196215	32.643907101024	32.1242289181664		
696	25	18256	87758.8586773035	986437.3170250766	39.5835930605301	-100.4882495	372191.248313005	4326268.2863785	2781.01039463375	2645.051441833513	2610.127533648234	2609.665455094043	35.923801488904	35.948674008093		
697	25	18257	88418.8586773035	986437.3170250766	39.58360430245932	-100.4859246	372392.2204063417	4326268.291945456	2778.218817005086	2643.833257546203	2606.87580524759	2607.38532256931	37.99772296117	37.46442549768939		
698	25	18258	89078.8586773035	986437.3170250766	39.58364095	-100.4835844	372593.192778074	4326268.29740294	2777.40665576538	2642.58252306935	2604.6770933497	2605.02518756532	37.905437634373	37.5300424155289		
699	25	18259	89738.8586773035	986437.3170250766	39.583634828588146	-100.4812441	372794.164227611	4326268.30375259	2775.738376345814	2641.30020846535	2602.3457234861726	2602.3457234861726	38.068008829315	38.068008829315		
700	25	18260	90398.8586773035	986437.3170250766	39.583626583801	-100.4789039	372995.1395957254	4326268.30984438	2774.71888876738	2639.96133285548	2600.07944240494	2600.360251876803	39.9063920313906	39.62608440874328		
701	25	18261	91058.8586773035	986437.3170250766	39.58362044387818	-100.4765762	373196.10763079	4326268.31643549	2774.71888876738	2639.96133285548	2600.07944240494	2600.360251876803	39.9063920313906	39.62608440874328		
702	25	18262	91718.8586773035	986437.3170250766	39.58361430742925	-100.474234	373397.0741435	4326268.323100851	2774.71888876738	2639.96133285548	2600.07944240494	2600.360251876803	39.9063920313906	39.62608440874328		
703	25	18263	92378.8586773035	986437.3170250766	39.58360897832945	-100.4718832	373598.05041437084	4326268.329896247	2768.71716052335	2635.865020083314	2594.712345353614	2594.784716774004	41.15217665269595	40.8860523427345		
704	25	18264	93038.8586773035	986437.3170250766	39.58360352774057	-100.4695429	373799.021658679	4326268.337097825	2762.6347367542914	2593.530613047934	2593.96144680042	2593.96144680042	40.9065719	40.47592073909118		
705	25	18265	93698.8586773035	986437.3170250766	39.58359713194207	-100.4672027	373999.9278137383	4326268.3434	2760.485123356482	2631.98006860568	2592.39805806109	2593.09466648544	40.5880360859573	39.662021651149		
706	25	18266	94358.8586773035	986437.3170250766	39.58359060933924	-100.4648625	374200.963787904	4326268.35195001	2756.3421074730553	2629.313300745626	2591.096128417792	2591.096128417792	41.171165546792	39.7950473774974		
707	25	18267	95018.8586773035	986437.3170250766	39.58358420471615	-100.4625222	374401.9346710243	4326268.359708578	2755.71317170555	2628.014542832185	2588.333803281895	2588.333803281895	41.68801396	40.9154784277705		
708	25	18268	95678.8586773035	986437.3170250766	39.58357817642925	-100.460182	374602.963451515	4326268.36781303	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
709	25	18269	96338.8586773035	986437.3170250766	39.5835720965178	-100.4578417	374803.87679673	4326268.375987067	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
710	25	18270	96998.8586773035	986437.3170250766	39.5835647480519	-100.4555015	375004.846040819	4326268.38429858	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
711	25	18271	97658.8586773035	986437.3170250766	39.58355780774908	-100.4531613	375205.8107107357	4326268.39291674	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
712	25	18272	98318.8586773035	986437.3170250766	39.5835510548337	-100.450821	375406.787297827	4326268.40176497	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
713	25	18273	98978.8586773035	986437.3170250766	39.58354438080896	-100.4484808	375607.757656489	4326268.410383321	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
714	25	18274	99638.8586773035	986437.3170250766	39.58353753532332	-100.446106	375808.725154402	4326268.419011712	2754.592782141904	2626.5138780819876	2587.32143770592	2587.32143770592	41.7890919	41.07313715014		
715	25	18275	100298.8586773035	986437.3170250766	39.58353068742925	-100.4437718	376009.69710672									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVElev	BREVElev	SurfElev	W.Lt.
59	218359	-323661.1413	787097.3170250766	39.58012294116539	-101.9789817	244124.50203505164	438396.756367779	371.013193627747	3546.0196701274051	3489.3558699171024	3489.0919137744904	3489.0919137744904	356.690336234852	56.9277649596047
60	218360	-323001.1413	787097.3170250766	39.58014540784105	-101.9796481	244343.59333531515	438396.321	371.0198648	3544.9865337602658	3487.2417873011896	3487.3903706823357	3487.3903706823357	57.65674646	56.9502631032322
61	218361	-323161.1413	787097.3170250766	39.58016842331609	-101.9796481	244544.58463498628	438396.485931674	371.0198648	3544.9865337602658	3487.2417873011896	3488.98246713604	3488.98246713604	58.156116874464	54.85349158142187
62	218362	-323061.1413	787097.3170250766	39.5801911	-101.9791619	244735.7177166946	438396.3510218055	3542.562413240087	3483.919095977742	3491.4240473416834	391.45343626469	391.45343626469	59.11374910320329	51.13797010320329
63	218363	-3230021.1413	787097.3170250766	39.58021372466387	-101.9696219	244946.86571177075	438396.21635307	3754.3907800349773	3541.3324157015777	3481.106407843006	347.3426263918554	347.3426263918554	60.26800785857185	44.00778930696227
64	218364	-323961.1413	787097.3170250766	39.58023705376715	-101.9672819	245147.059994965	438396.181080628	3757.821674	3540.0531449582313	3479.0651077165257	3487.176573757804	3487.176573757804	52.87656378018714	52.87656378018714
65	218365	-328701.1413	787097.3170250766	39.58025884520865	-101.964942	245349.0460350517	438397.148787215	3761.243639573624	3538.722269953982	3477.086255186925	3482.3136287900646	3482.3136287900646	61.234671434944295	56.3068240852122
66	218366	-328041.1413	787097.3170250766	39.58028134	-101.962602	245550.138186405	438397.319897251	3764.66650339616	3538.722269953982	3475.11570638278	3479.478147527816	3479.478147527816	62.224672143494295	57.8662253499944
67	218367	-327781.1413	787097.3170250766	39.58030379494961	-101.960262	245751.22525934986	438398.578914746	3764.16085	3535.91204646521	3472.7848978961346	3476.29476696643	3476.29476696643	63.12571424770451	59.41584830856551
68	218368	-326721.1413	787097.3170250766	39.58032618701889	-101.9573221	245952.5146307705	438399.564	3759.723741878266	3534.457425103346	3470.8183054202113	3474.04168622105	3474.04168622105	63.51895651322	60.39572787933655
69	218369	-326061.1413	787097.3170250766	39.58034854387813	-101.9555821	246153.4036597118	438399.51303604	3755.29739817463	3532.8262647136	3468.198479754004	3472.31302840215	3472.31302840215	63.729763013225	60.6894395174949
70	218370	-325401.1413	787097.3170250766	39.5803708555421	-101.9532421	246354.4923475155	438399.279931836	3750.86421662218	3531.3904870130405	3470.7072728106054	3465.245921744502	3465.245921744502	64.23821420243501	60.7380277982429
71	218371	-324741.1413	787097.3170250766	39.58039351220221	-101.9509022	246555.5800638632	438397.441	3749.7406931302426	3529.8319517646724	3466.2625142996217	3468.896237464962	3468.896237464962	65.6903746505077	60.8390926003194
72	218372	-324081.1413	787097.3170250766	39.58041534328507	-101.9485622	246756.6692045322	438394.014393676	3751.920172738986	3528.27048230343	3464.487672686459	347.7903966503426	347.7903966503426	63.7693754384045	60.518616700185
73	218373	-323421.1413	787097.3170250766	39.58043791934874	-101.9462222	246957.7526519667	438398.881959705	3754.100731	3526.814298147435	3462.935071495147	3466.422667942606	3466.422667942606	64.792266528854	60.248924048297
74	218374	-322761.1413	787097.3170250766	39.58045965022216	-101.9438822	247158.94514142777	438394.749174082	3756.28079057818	3525.078014945883	3461.1770191326264	3465.04027311125	3465.04027311125	65.30801961597185	60.03817463347132
75	218375	-322101.1413	787097.3170250766	39.5804817588833	-101.9415423	247359.9326666314	438393.61759905	3756.8063064656043	3523.48182269672	3460.378295936797	3463.402407121485	3463.402407121485	65.1018863217467	60.0777715
76	218376	-321441.1413	787097.3170250766	39.58050377634318	-101.9390223	247561.0194193345	438393.426	3755.795339098727	3521.880839785769	3459.147485890306	3461.604411816261	3461.604411816261	62.733359	60.2744975150604
77	218377	-320781.1413	787097.3170250766	39.5805257160166	-101.9368623	247762.10666754028	438392.354456991	3755.0584817138435	3520.282623133998	3457.896245230164	3459.89514337076	3459.89514337076	62.3680178323586	60.38711875692215
78	218378	-320121.1413	787097.3170250766	39.5805472165877	-101.9345223	247963.19374360696	438391.25138646	3749.133584336225	3518.685926146658	3456.5249117329387	3458.234910644031	3458.234910644031	62.1607808	60.4501786014545
79	218379	-319461.1413	787097.3170250766	39.580569626514425	-101.9321823	248164.28027049568	438394.09204462	3752.408336624885	3517.092076833483	3455.012821906338	3456.638156934876	3456.638156934876	62.0739407430966	60.4503917099575
80	218380	-318801.1413	787097.3170250766	39.580591466116815	-101.9298423	248365.3605425452	438395.391174635	3748.785248545596	3515.0206767700264	3451.911666253455	3455.109538587818	3455.109538587818	61.4041342460548	60.3924716918469
81	218381	-318141.1413	787097.3170250766	39.58061642306127	-101.9274818	248572.963537383	438396.15243893	3749.327659349505	3513.4524957287335	3443.241695517416	3443.241695517416	3443.241695517416	61.1950873023248	60.38711875692215
82	218382	-317481.1413	787097.3170250766	39.58063506957327	-101.9251624	248767.5384	438393.70100417	3744.815724734144	3512.33456776381	3451.742375525728	3452.22060112206	3452.22060112206	60.5921912421067	60.1139654662945
83	218383	-316821.1413	787097.3170250766	39.58065679382187	-101.9228224	248968.6238881329	438397.569930714	3741.369428736175	3510.7717047462	3450.805662289514	3451.148905923889	3451.148905923889	59.951841851053	59.680271123573104
84	218384	-316161.1413	787097.3170250766	39.58067847276972	-101.9204824	249169.7017264587	438394.34962738	3736.970232091954	3509.18342544263	3449.8194513269736	3450.950176317627	3450.950176317627	59.3641912728932	59.0924672420199
85	218385	-315501.1413	787097.3170250766	39.58070010641587	-101.9181424	249370.7942081154	438389.291	3732.57203092027	3507.6135731490995	3448.65697337593	3448.974662342865	3448.974662342865	58.69858781	58.639092846273014
86	218386	-314841.1413	787097.3170250766	39.58072168406234	-101.9158024	249571.87899574396	438388.180462735	3728.173303465103	3506.464112973964	3446.9931236281973	3447.2490273711584	3447.2490273711584	59.05148766919915	58.7995089203201
87	218387	-314181.1413	787097.3170250766	39.5807432810285	-101.9134664	249772.963537383	438389.35132699	3724.931481231683	3504.478341231165	3444.624967152879	3443.241695517416	3443.241695517416	61.1950873023248	60.38711875692215
88	218388	-313521.1413	787097.3170250766	39.58076140437584	-101.9111224	249974.0742306407	438387.7925103597	3724.931481231683	3502.90959210047	3443.241695517416	3443.241695517416	3443.241695517416	61.1950873023248	60.38711875692215
89	218389	-312861.1413	787097.3170250766	39.58078168896272	-101.9087824	250175.13187365042	438387.7925103597	3724.931481231683	3500.95921001902	3443.074187614006	3443.074187614006	3443.074187614006	61.1950873023248	60.38711875692215
90	218390	-312201.1413	787097.3170250766	39.58080759661987	-101.9064424	250376.21567198206	438387.625	3715.67925624455	3499.78045270053	3429.279095819452	3429.0938147917627	3429.0938147917627	60.7505468090577	60.6863620527916
91	218391	-311541.1413	787097.3170250766	39.5808288905502	-101.9041024	250577.2992235041	438385.6336403	3706.686403107767	3498.2417033632	3425.02670560219	3424.734842157023	3424.734842157023	61.1848957713109	60.73407811730894
92	218392	-310881.1413	787097.3170250766	39.58085027628818	-101.9017624	250778.3825842243	438384.408149845	3700.748963117697	3496.650285893494	3422.132314955303	3421.841635832826	3421.841635832826	61.1848957713109	60.73407811730894
93	218393	-310221.1413	787097.3170250766	39.58087154831944	-101.8994224	250979.4656	438385.260182492	3694.88512324782	3495.901261827426	3418.8945026722436	3418.815677491846	3418.815677491846	61.1848957713109	60.73407811730894
94	218394	-309561.1413	787097.3170250766	39.58089271514843	-101.8970284	251180.544628965	438384.029174347	3694.88512324782	3495.901261827426	3418.8945026722436	3418.815677491846	3418.815677491846	61.1848957713109	60.73407811730894
95	218395	-308901.1413	787097.3170250766	39.58091356677542	-101.8947424	251381.6305665224	438384.029174347	3694.88512324782	3495.901261827426	3418.8945026722436	3418.815677491846	3418.815677491846	61.1848957713109	60.73407811730894
96	218396	-308241.1413	787097.3170250766	39.58093500320029	-101.8924024	251582.7131	438385.497619395	3676.799231417744	3494.8279497258	3403.29619465042	3403.206459370125	3403.206459370125	61.13218483	60.72719201731322
97	218397	-307581.1413	787097.3170250766	39.58095618442296	-101.8900624	251783.79536119074	438382.3791	3675.5942599793082	3493.586495023202	3396.4226777611894	3426.2961077	3426.2961077	92.601001696227	92.601001696227
98	218398	-306921.1413	787097.3170250766	39.580977230443395	-101.8877223	251984.8771902134	438382.356394411	3671.419808206837	3491.345067326701	3389.5502055632023	3389.253872761972	3389.253872761972	92.7948617349823	90.90119456
99	218399	-306261.1413	787097.3170250766	39.58099823216159	-101.8853283	252185.95877529273	438382.316794482	3668.930262501737	3489.817460176031	3387.335205470502	3382.92652689666	3382.92652689666	92.0899332796553	92.0899332796553
100	218400	-305601.1413	787097.3170250766	39.58101916887745	-101.8830423	252387.400148105	438382.379061765	3668.127334981874	3484.300207963338	3385.587417230711	3381.71279096630478	3381.71279096630478	90.2612715507959	90.2612715507959
101	218401	-304941.1413	787097.3170250766	39.58103981610										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevBothKrg.ft	BR ElevBothKrg.ft	SatHtKosm.ft	SatHtBoth.ft
185	218485	-249501.1413	787097.3170250766	39.58263519573809	-11.6841365	269478.08071526914	438487.4471326334	3545.0555224770843	3382.8815235688184	3256.5018015579817	3255.321268223256	136.1797220108328	137.36025534556847	
186	218486	-248841.1413	787097.3170250766	39.58265252381403	-10.6817964	269679.1717599212	438487.3130940556	3542.371288005144	3391.37596084037	3255.89065520368	3254.351712139645	137.02739664039	137.65846894518518	
187	218487	-248181.1413	787097.3170250766	39.58266928664464	-10.6854155	271086.5627265618	438487.2270173767	3544.1036892211338	3387.4768698663364	3256.168191460787	3255.761191460787	136.023026377854	137.73794005318936	
188	218488	-247521.1413	787097.3170250766	39.58268626434034	-10.67771162	270081.26333215944	438486.14206736	3540.2399801133927	3390.61134567667	3254.63918909421	3252.30118505478	136.9702159873459	138.251344621851	
189	218489	-246861.1413	787097.3170250766	39.58270319680875	-10.674776	270282.32353215944	438486.0317662	3540.060172061368	3389.95598733362	3253.876345127905	3252.333906478996	136.976184280574	137.6220808545536	
190	218490	-246201.1413	787097.3170250766	39.58272000406253	-10.6724359	270483.383669523	438486.927331471	3542.5641121928804	3389.3164153723205	3253.354044321665	3250.320350146403	136.9618109	138.9606075852096	
191	218491	-245541.1413	787097.3170250766	39.58273690211068	-10.6700958	270684.4436	438485.821	3563.354091408231	3388.6912302162164	3252.800809790243	3251.060718967587	136.8832202597338	137.63305112486308	
192	218492	-244881.1413	787097.3170250766	39.58275372253138	-10.6677657	270885.503266483	438484.751349716	3558.815464750188	3388.078717049265	3251.38118022814	3250.532340034928	135.7749052469835	137.5507534437317	
193	218493	-244221.1413	787097.3170250766	39.58277047	-10.6654155	271086.5627265618	438484.036871802	3544.1036892211338	3387.4768698663364	3256.168191460787	3255.761191460787	135.8150952469835	137.575765235767	
194	218494	-243561.1413	787097.3170250766	39.582787181021104	-10.6630754	271287.2521960363	438483.501264055	3549.73821329014	3386.9325582025	3250.718307089506	3250.29849105287	136.1645549276442	136.584771528111	
195	218495	-242901.1413	787097.3170250766	39.58280384224645	-10.6607383	271488.680990545	438483.39883523	3545.64074555017	3386.293956396515	3249.19862896531	3249.07709710521	137.0932773599813	136.01685934507	
196	218496	-242241.1413	787097.3170250766	39.58282045826601	-10.6583952	271689.7395370382	438482.239937146	3541.990371299886	3385.70242864033	3247.1769744476214	3248.1972703128404	138.5223684164116	137.5027255119267	
197	218497	-241581.1413	787097.3170250766	39.5828370209797	-10.656065	271890.7983	438482.189185269	3538.3792140586	3385.0874551153242	3246.75254902831	3245.638207925894	138.4402471927819	136.960080848343	
198	218498	-240921.1413	787097.3170250766	39.5828355	-10.6537149	272091.8566	438482.0448198825	3543.6854205992624	3384.430281261589	3242.3203649375846	3253.1649177898179	142.1099163240042	131.265363340996	
199	218499	-240261.1413	787097.3170250766	39.5828703508974	-10.6513748	272292.914754845	438481.980276939	3532.756684393936	3383.766712493366	3239.9485043966358	3249.72440486062	143.7196250330077	134.7196250330077	
200	218500	-239601.1413	787097.3170250766	39.5828867028986	-10.6490346	272493.9726398174	438481.95781693	3532.551386328007	3382.883250237292	3237.837270336673	3244.36623024463	144.8435178900494	131.685711282094	
201	218501	-238941.1413	787097.3170250766	39.5829028607605	-10.6468045	272695.030006497	438481.727258589	3532.3460828592587	3381.434326107555	3235.9638666173	3240.710054182959	145.6509592458233	140.72337847776643	
202	218502	-238281.1413	787097.3170250766	39.5829192056938	-10.644554	272896.087374936	438480.7669	3532.14079185627	3380.24144750547	3234.3207401755044	3237.64987189934	145.7007068187025	142.3715624267406	
203	218503	-237621.1413	787097.3170250766	39.5829355044658	-10.6420142	273097.145005662	438480.565128001	3529.219155	3378.5373001588796	3232.889515616814	3234.877452122558	145.647478598187	143.659506373281	
204	218504	-236961.1413	787097.3170250766	39.58295175901874	-10.6396741	273298.202403157	438480.462	3528.1811824827	3377.01870208966	3231.56921303032	3232.50682690746	145.449158708645	144.50080084013256	
205	218505	-236301.1413	787097.3170250766	39.58296796815483	-10.637339	273499.258606535	438479.58889327	3517.94302893744	3375.480652801590	3230.05717669372	3230.096367105343	145.4234781838137	145.34428877476364	
206	218506	-235641.1413	787097.3170250766	39.58298413214481	-10.634938	273700.513458979	438479.562103502	3517.94302893744	3373.907116522524	3228.75436766696	3228.75436766696	145.1763248688248	145.08250455958	
207	218507	-234981.1413	787097.3170250766	39.58299920924186	-10.632537	273901.7716702049	438479.534041813	3516.941445	3371.603511815806	3227.474074847828	3227.474074847828	145.0189096721537	145.0189096721537	
208	218508	-234321.1413	787097.3170250766	39.58301623444639	-10.6303135	274102.4277637027	438479.051192936	3516.941445	3370.8072571395514	3225.874231856448	3221.71732792145	144.9302527490323	147.6954234742098	
209	218509	-233661.1413	787097.3170250766	39.58303235276791	-10.6279734	274303.4836249623	438478.9490809	3516.941445	3369.235978145082	3224.38576378842	3220.561722743964	144.832017243964	147.614805420247	
210	218510	-233001.1413	787097.3170250766	39.58304835923195	-10.6256332	274504.5393	438478.7447	3516.941445	3368.0768791394	3222.86796756375	3218.28932693643	147.719803376393	146.9656837049	
211	218511	-232341.1413	787097.3170250766	39.58306427385223	-10.6232931	274705.5947259335	438478.75511023	3516.941445	3366.07159214221	3221.5216689412014	3216.15580549255	144.5545920730194	149.9360241927957	
212	218512	-231681.1413	787097.3170250766	39.58308016657501	-10.620929	274906.649394937	438478.64409716	3516.941445	3364.4874723395	3219.64112120965	3212.831854159896	144.5369332250684	151.655901	
213	218513	-231021.1413	787097.3170250766	39.58309614914146	-10.6186128	275107.7048227854	438478.542939781	3516.941445	3362.784074847828	3217.90481717508	3210.0412568817994	144.5189096721537	145.08250455958	
214	218514	-230361.1413	787097.3170250766	39.583111640155	-10.616272	275308.759494979	438478.458	3516.941445	3360.794594979	3215.961895731747	3208.154540365	144.5369332250684	151.655901	
215	218515	-229701.1413	787097.3170250766	39.5831275730528	-10.6139325	275509.81423310785	438478.351040019	3516.941445	3359.0820845379014	3215.3242243	3203.532887041882	144.4684152578127	156.15919723871318	
216	218516	-229041.1413	787097.3170250766	39.58314329	-10.6115923	275710.868554801	438478.25048712	3516.941445	3358.0848147041014	3213.47039446276	3199.736545	144.461176021782558	158.34810099516	
217	218517	-228381.1413	787097.3170250766	39.5831589520398	-10.6092522	275911.92259113	438478.14138674	3511.213937411676	3356.472363054846	3211.807468907389	3196.597804561034	144.6657349497655	159.8575651493815	
218	218518	-227721.1413	787097.3170250766	39.58317457379714	-10.606912	276112.9765114026	438478.14138674	3511.213937411676	3354.874400261806	3209.863842356546	3197.598103988967	144.9807878	157.4981983231386	
219	218519	-227061.1413	787097.3170250766	39.58319014985583	-10.6045719	276314.0302	438478.3047126885	3511.213937411676	3352.359166008485	3207.8921549881972	3199.694303774247	145.3476163227125	157.4981983231386	
220	218520	-226401.1413	787097.3170250766	39.58320569294186	-10.602237	276515.08343964	438478.3047126885	3511.213937411676	3350.176598708467	3206.461628015023	3197.28047814857	145.3476163227125	157.4981983231386	
221	218521	-225741.1413	787097.3170250766	39.58322117	-10.5998916	276716.136655137	438478.3047126885	3511.213937411676	3348.2363733692	3205.39335930402	3195.9946505505	145.6900250681254	147.27510140210387	
222	218522	-225081.1413	787097.3170250766	39.5832360745035	-10.5975514	276917.189696192	438478.251771105	3511.213937411676	3346.35739539829	3204.62777000351	3202.583115352414	145.642905936472	145.7876247158457	
223	218523	-224421.1413	787097.3170250766	39.583252	-10.5952113	277118.24264871585	438478.14138674	3511.213937411676	3344.676381033905	3201.231359051997	3202.084725138348	145.642905936472	145.7876247158457	
224	218524	-223761.1413	787097.3170250766	39.58326735314702	-10.5928711	277319.29521121236	438478.14138674	3511.213937411676	3342.9515031622483	3200.5223411102	3199.888501280523	145.719438387376	145.642905936472	
225	218525	-223101.1413	787097.3170250766	39.58328268185343	-10.5905309	277520.347554514	438478.14138674	3511.213937411676	3340.983626798874	3343.3641393130401	3198.679417	144.6853982562967	143.660253296467	
226	218526	-222441.1413	787097.3170250766	39.58329781091698	-10.5881908	277721.399678276	438478.04708753	3511.213937411676	3339.165241975101	3341.706353962737	3197.617513422905	144.0888422198327	139.541103761027	
227	218527	-221781.1413	787097.3170250766	39.58331302094186	-10.5858463	277922.4544167074	438478.04708753	3511.213937411676	3337.284074847828	3207.19048174857	3196.0878183026	144.0888422198327	139.541103761027	
228	218528	-221121.1413	787097.3170250766	39.583328302056975	-10.5835105	278123.037313127	438478.0105709235	3511.213937411676	3335.35117081558	3338.96267210312	3206.982314259685	143.5035109771017	137.43007239044717	
229	218529	-220461.1413	787097.3170250766	39.58334342627136	-10.5811703	278324.55473899726	438478.0105709235	3511.213937411676	3333.4071756524532	3336.739066	3195.3446234121307	143.478277223362	139.5097882782675	
230	218530	-219801.1413	787097.3170250766	39.58335905527587	-10.5788301	278525.605993167	438478.0105709235	3511.213937411676	3331.4683093198027	3194.006356261346	3209.4339390608	141.0826536933815	125.6546	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevBothKrg.ft	SurfAtkElev.ft	SatThBoth.ft
311	296	218611	-166341.1413	787097.3172025076	39.58442972709557	-101.38927398	294810.051876216	4384361.699907605	3736.3147529937605	3240.9203682725814	3130.468694179301	3131.0763274444307	74.5442692382032
312	296	218612	-165681.1413	787097.3172025076	39.58444114224997	-101.3892336	295011.085937484	4384357.620662927	367.2257037806394	3203.6413256696824	3127.7041504672115	3127.847856238394	75.79340045
313	296	218613	-165021.1413	787097.3172025076	39.584452969564	-101.3892584	295212.197862774	4384352.616263523	338.13965819675173	3202.363526141912	3121.821542949484	81.18025831585874	80.5437110705125
314	296	218614	-164361.1413	787097.3172025076	39.58446370553194	-101.3822531	295413.750531945	4384357.468418006	304.4705357033967	3201.0900451058274	3115.86390759324	79.1790725989497	85.2273737708932
315	296	218615	-163701.1413	787097.3172025076	39.58447486685949	-101.3799129	295614.18691747845	4384345.384	324.7261177	3199.814995978313	3123.0340871646534	3110.650771	87.7809143035685
316	296	218616	-163041.1413	787097.3172025076	39.58448618	-101.3775727	295815.201726298	4384341.305666072	331.157188565928	3198.538672700704	3107.326715279161	3105.706772379474	92.82941445161205
317	296	218617	-162281.1413	787097.3172025076	39.5844973388752	-101.3752524	296016.2532	4384337.22722469	335.593260444657	3197.252197185576	3103.698528265164	3102.67868311893	95.1760887371656
318	296	218618	-161721.1413	787097.3172025076	39.58450842	-101.3728822	296217.2809740574	4384333.149800433	336.1962323233855	3195.96294839373	3104.1784511449047	3098.63341878198	95.78407839306845
319	296	218619	-161081.1413	787097.3172025076	39.58451946	-101.370562	296418.319521057	4384329.727099851	338.13965819675173	3202.363526141912	3121.821542949484	81.18025831585874	80.5437110705125
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
437	296	18737	-83181.14133	787097.3170250766	39.5855060997254	-01.0943995	328.8275641666	4383849.456745327	3132.1691175966205	2962.603799719187	2962.6076708357077	2962.210699039919	84.48809836148034	83.8830701326885
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446	296	18746	-77241.14133	787097.3170250766	39.58555601722925	-01.0733368	321.947191442175077	4383810.021033304	3033.007377221706	3033.007377221706	2941.20422739034	2940.98549983149	91.8265432133643	92.0545237285595
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448	296	18748	-75921.14133	787097.3170250766	39.58556653702826	-01.0686562	322.3491873985206	4383804.90355871	3082.3000525124674	3030.09139644017	2937.227364738019	2937.7996645428003	92.86403170209178	92.9244317855107
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451	296	18751	-73941.14133	787097.3170250766	39.58558195253033	-01.0616352	322.9525659798084	4383792.757	3078.2180792974757	3025.6512068535183	2933.071729410562	2935.79447744423258	92.89531303099473	93.15847330399473
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454	296	18754	-71961.14133	787097.3170250766	39.58559649451767	-01.0546143	323.55579780915906	4383780.613	3092.831707309345	3021.1169502021943	2928.701727218124	2932.260879100801	93.0867629	
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456	296	18756	-70641.14133	787097.3170250766	39.58560671310011	-01.0499337	323.957994358558	4383775.518000417	3089.202123925785	3018.0384419680334	2923.6142118732753	2940.5452309652276	77.49307144657587	
457	296	18757	-69981.14133	787097.3170250766	39.58561152957457	-01.0475934	324.1591005	4383768.40797369	3085.269710679847	3016.482734234265	2920.738123414732	2937.3437806908496	78.74462132	81.3349378239016
458	296	18758	-69321.14133	787097.3170250766	39.585616300837806	-01.0452531	324.360186376472	4383764.423501516	3081.33729179651	3014.9167017485785	2917.509221514981	2928.55107965367845	86.36473133859607	
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471	296	18771	-60741.14133	787097.3170250766	39.585674213404136	-01.014829	326.9730824592195	4383711.833	3083.98698404204	2993.81158635575	2914.3321831857057	2915.07670667611	79.4890057602043	79.8058651988476
472	296	18772	-60081.14133	787097.3170250766	39.58567851069628	-01.0124887	327.174016202213	4383707.7892001074	3081.33729179651	2992.170514991401	2913.181984893	2916.328458279581	77.2012054	
473	296	18773	-59421.14133	787097.3170250766	39.58568244440419	-01.0101484	327.373919343487	4383703.75523418	3083.975136529121	2991.775862872756	2916.407523398575	2917.90677019829	77.2012054	
474	296	18774	-58761.14133	787097.3170250766	39.58568649	-01.0078081	327.576195186165	4383700.702667745	3116.15798423201	2988.918171	2918.2262458971277	2918.028256139744	77.8306525276417	78.0361502
475	296	18775	-58101.14133	787097.3170250766	39.58569044994914	-01.0054678	327.7770965224137	4383695.659	3287.2948517599907	2991.3948580198437	2919.582807356962	2919.582807356962	77.81106406089934	
476	296	18776	-57441.14133	787097.3170250766	39.58569445255286	-01.0031274	327.978103605307	4383691.61581433	3124.25722922369	2985.68460809635	2920.022881747297	2920.022881747297	65.56172516323792	65.5781399678014
477	296	18777	-56781.14133	787097.3170250766	39.58569836	-01.0007871	328.1791703137184	4383687.570318534	3123.955868602073	2991.9032102996445	2920.022881747297	2920.022881747297	65.56172516323792	65.5781399678014
478	296	18778	-56121.14133	787097.3170250766	39.58570023171818	-00.9984468	328.3801105350013	4383683.504324987	3126.5759140975	2992.40751852877	2919.10429428398	2920.022881747297	65.56172516323792	65.5781399678014
479	296	18779	-55461.14133	787097.3170250766	39.58570265058703	-00.9962866	328.581142157276	4383679.193852173	3129.1345942388274	2993.2264942388274	2920.022881747297	2920.022881747297	65.56172516323792	65.5781399678014
480	296	18780	-54801.14133	787097.3170250766	39.585709830141976	-00.9937662	328.7821170418721	4383675.45596283	3130.410407197776	2993.7940323	2915.114283408482	2915.114283408482	65.56172516323792	65.5781399678014
481	296	18781	-54141.14133	787097.3170250766	39.58571356158673	-00.9914259	328.98312004547345	4383671.04037815	3115.752681219233	2997.7722970743918	2917.5722621843336	2917.5722621843336	65.56172516323792	65.5781399678014
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ix	iy	ic	X.1t	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.L.t	BR/ElevLogsK.t	BR/ElevWetK.t	SeaK.t	SurfBoth.t
563	298	188853	-11.41123693	787097.3170250766	-35.8586586184252	-100.7995194	345464.8195867479	4383340.715670237	2965.958164305986	2828.188266	2797.9367923161838	2793.487490434017	30.514734707201	34.70077567489261
564	296	18886	638.8586730733514	787097.3170250766	-35.8586586069492	-100.7917179	345665.8094897265	4383336.650025737	2962.23101452191	2827.2386721773304	2795.9658927634055	2795.935932346723	31.27264545	36.30262798263705
565	296	18885	1298.8586730733514	787097.3170250766	-35.85865859431564	-100.7948397	345695.79824219137	4383332.664581927	2968.5507962498453	2826.3222011984635	2794.139104470317	282.1835967281467	32.1835967281467	38.4895484019384
566	296	18886	1958.8586730733514	787097.3170250766	-35.85865842734675	-100.7924984	346067.7888453096	4383326.453333886	2954.779288	2825.430006893704	2792.103873004781	2785.108872	30.33136900955	40.330157009031
567	296	18887	2618.8586730733514	787097.3170250766	-35.858658325944025	-100.7901581	346268.778301311	4383324.623227446	2953.871177638912	2824.5862748168814	2790.07422148449	2781.3543002572947	34.511562766524	43.76194566968784
568	296	18888	3278.8586730733514	787097.3170250766	-35.85865812393772	-100.7878177	346469.760383651	4383320.599540495	2955.78176758192	2823.763297698123	2787.715577103783	2784.002440064736	36.047721630941	46.2903826343073
569	296	18889	3938.8586730733514	787097.3170250766	-35.85865848762172	-100.7854474	346670.7567671416	4383315.569793027	2955.3613454777	2822.9687468883976	2785.3961274007074	2773.0552921598395	37.95217048079196	49.258499255809
570	296	18890	4598.858673073351	787097.3170250766	-35.85864542430465	-100.7831371	346871.747576888	4383312.564520325	2959.6013853492	2820.215044623054	2782.8005634701074	2780.03260262906	39.40093912	52.1685819494923
571	296	18887	5258.858673073351	787097.3170250766	-35.85864744748454	-100.7807868	347072.734639085	4383308.532496622	2962.57928411183	2821.459894891985	2780.01694587029	2780.01694587029	41.4226356216894	55.8135886745515
572	296	18872	5918.858673073351	787097.3170250766	-35.8586385380369	-100.778564	347273.72333517	4383304.510587424	2971.51104682014	2820.74203912525	2777.373842157724	2783.963958048764	51.87119965212946	61.87119965212946
573	296	18873	6578.858673073351	787097.3170250766	-35.8586344	-100.7761161	347474.7192039014	4383300.488897799	2955.31474776934	2820.0457436637125	2774.5720024302113	2768.707335845177	53.13811700191485	65.13811700191485
574	296	18874	7238.858673073351	787097.3170250766	-35.8586292646663	-100.7737578	347675.700339509	4383296.467427068	2953.217202733452	2819.3685882390946	2772.2196771328957	2768.686897215586	47.14991110619894	50.67989102350639
575	296	18875	7898.858673073351	787097.3170250766	-35.85862438058	-100.7714355	347876.688612241	4383292.461768465	2950.791862136795	2818.760857547818	2771.262747	2769.319593322586	49.287441100931802	53.287441100931802
576	296	18876	8558.858673073351	787097.3170250766	-35.858618802827	-100.7690951	348077.676737963	4383288.245145509	2948.035899896313	2818.0576	2771.633924448853	2770.491032	47.56656754752976	54.56656754752976
577	296	18877	9218.858673073351	787097.3170250766	-35.8586127137348	-100.7667548	348278.674613624	4383284.404	2945.284558317404	2817.04594699915	2772.422973967835	2769.7817180502734	49.9232165021564	55.42471742
578	296	18878	9878.858673073351	787097.3170250766	-35.8586061725444	-100.7644145	348479.6525485347	4383280.38317498	2942.530426572997	2816.786590479324	2773.06406145603	2772.851207511078	43.72018433029175	43.9352836
579	296	18879	10538.858673073351	787097.3170250766	-35.85860591791972	-100.7620471	348680.640234611	4383276.763639259	2939.6217	2816.16079009847	2773.22639267619	2773.0954658112995	42.9321567222802	43.065303385847726
580	296	18880	11198.858673073351	787097.3170250766	-35.8585917337533	-100.7597338	348861.6277403635	4383272.343214186	2936.55642370364	2815.5319315472483	2772.459654	2773.0954658112995	43.72018433029175	43.9352836
581	296	18881	11858.858673073351	787097.3170250766	-35.8585836381927	-100.7573395	349082.6151678533	4383268.322798185	2933.4916722001615	2814.9185660704948	2770.76167519014	2770.785680801836	44.15689051480656	44.1328528668581
582	296	18882	12518.858673073351	787097.3170250766	-35.8585754865156	-100.7550532	349283.6024193345	4383264.33064822	2930.4269326476697	2814.295725384427	2768.2389425644783	2768.277178905267	46.0178583817551	46.0178583817551
583	296	18883	13178.858673073351	787097.3170250766	-35.8585666842716	-100.7527128	349484.5895185101	4383260.28409192	2927.66273775836	2813.693289956717	2765.3767032600474	2765.37676	48.292586581626	48.292586581626
584	296	18884	13838.858673073351	787097.3170250766	-35.8585534081114	-100.7503725	349684.5854757873	4383256.26479286	2925.19561593514	2813.03989583436	2762.60436242446	2762.60436242446	50.4445121	50.4445121
585	296	18885	14538.858673073351	787097.3170250766	-35.8585407748454	-100.7480391	349884.5854757873	4383252.45735851	2921.484241051637	2812.484241051637	2762.60436242446	2762.60436242446	52.2637894176714	52.2637894176714
586	296	18886	15158.858673073351	787097.3170250766	-35.8585335664048	-100.7456919	350087.5495527005	4383248.227	2917.220217728277	2811.765037131204	2757.260236205853	2758.346465104354	54.04304179035054	53.2304023106676
587	296	18887	15818.858673073351	787097.3170250766	-35.85852695638046	-100.7433515	350288.5346778859	4383244.20820801	2919.505868605595	2811.7203043385513	2754.976924047925	2754.976924047925	56.1433790626425	53.81797122599629
588	296	18888	16478.858673073351	787097.3170250766	-35.8585158939844	-100.7410112	350489.526959304	4383240.18994205	2920.436507766255	2810.469967218444	2753.304984156417	2757.761450730769	57.16498306232688	52.708510181375004
589	296	18889	17138.858673073351	787097.3170250766	-35.8585034795051	-100.7386709	350690.5991889044	4383236.176978549	2917.367208595115	2809.813820318744	2752.0870714960797	2757.982339795874	57.768202226142	51.8314781886572
590	296	18890	17798.858673073351	787097.3170250766	-35.8584942123952	-100.7363306	350891.49527961726	4383232.15739057	2922.297909397648	2809.151006249319	2751.109332485232	2755.662643944027	58.04167017908705	53.488358720292126
591	296	18881	18458.858673073351	787097.3170250766	-35.8584812389684	-100.7340839	351092.4813697961	4383228.13697961	2921.418626796978	2809.49745778292	2750.2918953724	2755.19188953724	58.1876476788891	56.1876476788891
592	296	18892	19118.858673073351	787097.3170250766	-35.858471233622	-100.7316499	351293.46712718014	4383224.11847187	2920.72793718052	2808.72793718052	2750.2918953724	2755.19188953724	58.3267943647006	55.3267943647006
593	296	18893	19778.858673073351	787097.3170250766	-35.858453003671	-100.7293906	351494.4526867902	4383220.10173665	2916.014914610557	2807.10309713995	2748.748898833123	2742.5952330453245	58.5824110886712	64.507845067054
594	296	18894	20438.858673073351	787097.3170250766	-35.858440052913	-100.7269693	351695.43820231565	4383216.084009403	2913.322258352796	2806.396176970287	2748.041122951361	2743.5318227752381	58.8349474567125	71.2133494447436
595	296	18895	21098.858673073351	787097.3170250766	-35.8584257980994	-100.7246289	351896.4235478871	4383212.067	2910.37335345286	2805.6711313567125	2747.3306254609315	2747.2290940749945	58.34050589578101	78.3801961
596	296	18896	21758.858673073351	787097.3170250766	-35.8584111187913	-100.7222886	352097.408084629	4383208.5905816415	2913.2017411907504	2804.92511285616	2746.6095470208625	2749.05454731099	58.3156683303046	85.47466012506675
597	296	18897	22418.858673073351	787097.3170250766	-35.858395973667	-100.7199483	352298.3939971437	4383204.34156119	2913.783624795424	2804.154569696754	2746.1711797972405	2747.04243244105	57.9925641195277	79.411236581851
598	296	18898	23078.858673073351	787097.3170250766	-35.858381407968	-100.717608	352499.3785497474	4383200.17049827	2914.484241051637	2803.3561051637	2746.34022202046	2749.05454731099	57.9925641195277	79.411236581851
599	296	18899	23738.858673073351	787097.3170250766	-35.858365981688	-100.7152676	352699.36389257	4383196.00196752	2913.8682990211496	2802.52079955821	2745.001657138374	2745.6527701710484	57.9925641195277	79.411236581851
600	296	18900	24398.858673073351	787097.3170250766	-35.8583478803563	-100.7129273	352901.348294018	4383191.96194896	2912.90738026534	2801.6642312455915	2743.607114	2747.899627435233	57.9925641195277	79.411236581851
601	296	18901	25058.858673073351	787097.3170250766	-35.858330405059	-100.710587	353102.32818078	4383187.97062422	2908.9461754981	2800.762323428026	2741.271113166186	2737.98313298326	58.4903915800404	62.8273992649452
602	296	18902	25718.858673073351	787097.3170250766	-35.858313485004	-100.7082467	353303.3171951552	4383183.95316759	2907.8518211897	2799.8150825084614	2738.245161260274	2736.2320486870906	61.56856904574173	63.59203369050349
603	296	18903	26378.858673073351	787097.3170250766	-35.8582950437866	-100.7059063	353504.301393453	4383179.94930473	2906.799405	2798.81866134926	2738.037322	2733.77402864517	61.56856904574173	63.59203369050349
604	296	18904	27038.858673073351	787097.3170250766	-35.8582774081407	-100.703686	353705.285523485	4383175.95231562	2906.799405	2797.760123063973	2737.911718223701	2731.129756865766	61.56856904574173	63.59203369050349
605	296	18905	27698.858673073351	787097.3170250766	-35.858262953169	-100.7013954	353906.26878418	4383171.94930473	2905.799405	2796.62386513261	2737.911718223701	2731.129756865766	61.56856904574173	63.59203369050349
606	296	18906	28358.858673073351	787097.3170250766	-35.8582485053169	-100.6998584	354107.2591326105	4383176.8961						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatThtLoG.f	SatThtBoth.f
689	291898	83138.8586730335	97097.31702502676	39.58505097492549	-100.5046392	37078.43965211684	4328235.459711684	2726.254347	2623.227224985386	2623.4434312910635	29.02712641921546	28.81091584393668		
690	291899	83798.8586730335	97097.31702502676	39.58505125712572	-100.5022389	37089.4122477013	4328351.463363416	2788.516935203238	2621.2486313195627	2622.0884819795633	29.02225502	28.76014633997596		
691	291900	84458.8586730335	97097.31702502676	39.585051854911591	-100.4999566	37119.36046969744	4328374.467720986	2789.8204393348881	2620.490524869874	2620.8473354713766	29.04073354713766	28.794878339152837		
692	291901	85118.8586730335	97097.31702502676	39.58540968593334	-100.4761813	37139.351373	4328233.427140045	2788.036961759634	2649.176810767506	2618.0217250214523	28.81281308521924	28.15680574050383		
693	291902	85778.8586730335	97097.31702502676	39.58548332466072	-100.495278	371592.3296738846	4328218.4974270668	2786.258568161287	2648.1056618467414	2616.026663	28.70789891573152	28.16168219664447		
694	291904	86438.8586730335	97097.31702502676	39.58547793381714	-100.4923737	371793.3019038596	4328214.851158861	2784.478125	2647.0029715744136	2613.773313002932	28.72266557148165	32.94233574801495		
695	291905	87098.8586730335	97097.31702502676	39.58547199966202	-100.4905974	371994.2740113613	4328211.486534212	2782.830933178554	2647.867593816657	2611.581916664104	28.776751365035	34.28657715254667		
696	291906	87798.8586730335	97097.31702502676	39.5854600897206	-100.4882571	372195.2459965972	4328207.491770317	2781.326547426633	2644.697439898299	2609.257700995457	2609.4582877447249	35.23915242105076		
697	291907	88418.8586730335	97097.31702502676	39.58545996620696	-100.4859168	372396.2178597098	4328214.908555554	2784.49108612717	2646.87108612717	2607.089473888613	2607.089473888613	36.401668406552		
698	291908	89078.8586730335	97097.31702502676	39.58544379813366	-100.4835795	372597.1896010876	4328209.50295143	2778.31152644189	2644.279400542581	2604.533822108854	2604.533822108854	35.5854951439084		
699	291909	89738.8586730335	97097.31702502676	39.58544756243553	-100.4812362	372798.1612207575	4328205.58975044	2776.919069671455	2640.973545313905	2601.9414043837684	2602.0485204974	37.30214095011572		
700	291900	90398.8586730335	97097.31702502676	39.58544159252656	-100.4788959	372999.13271898055	4328271.514893263	2774.150553278	2642.662778251675	2599.429546	2599.59047740072	40.27320554509533		
701	291901	91058.8586730335	97097.31702502676	39.585473377406704	-100.4765556	373200.1041	4328275.21291784	2772.863914096419	2638.381739417963	2596.877550378389	2596.9009847043924	41.4711527882068		
702	291902	91638.8586730335	97097.31702502676	39.5854291170601	-100.4742153	373401.07353191777	4328273.52764605	2770.9632555553	2636.941232759636	2594.732395250142	2594.6912709799233	42.2499417942461		
703	291903	92378.8586730335	97097.31702502676	39.58542281153448	-100.471875	373602.064687041	4328279.73452771	2768.151481848687	2635.534562634789	2593.339903737363	2593.458370177101	42.07618257647974		
704	291904	93038.8586730335	97097.31702502676	39.585416460782106	-100.469347	373803.0175015432	4328275.54150905	2764.30391676292	2634.100378324005	2591.907082338405	2592.170095	42.19327468949695		
705	291905	93698.8586730335	97097.31702502676	39.585410064818944	-100.4671944	374003.98839562875	4328271.5545	2760.570371133738	2632.8407413196894	2590.403221131412	2590.8066008002923	42.2375201882776		
706	291906	94358.8586730335	97097.31702502676	39.5854032634457	-100.4648541	374204.9591695032	4328271.565126663	2756.775211310535	2631.1587236187274	2588.5020926704456	2588.962548428187	42.16607808904566		
707	291907	95018.8586730335	97097.31702502676	39.58539713726021	-100.4625138	374405.9298	4328273.563762287	2755.683761768227	2629.65438995138	2585.5346945090487	2586.0322670360355	42.122745386089264		
708	291908	95678.8586730335	97097.31702502676	39.58539006566467	-100.4601735	374606.9005374416	4328279.571672834	2753.721271918862	2628.1407185623457	2581.382462546717	2581.80975085151	42.063396848		
709	291909	96338.8586730335	97097.31702502676	39.58538402885835	-100.4578332	374807.8077019714	4328275.57989874	2758.75721	2626.610264017333	2579.92286874884	2578.279010800891	48.71979965289436		
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711	291911	97618.8586730335	97097.31702502676	39.58537029690087	-100.4531196	375209.8269600087	4328273.5825	2768.697397487861	2626.85011515346	2569.0324320015	2569.0324320015	48.71979965289436		
712	291912	98318.8586730335	97097.31702502676	39.5853402717502	-100.4508123	375410.78129633414	4328273.605217091	2758.002480566113	2621.97008474781	2575.825428037316	2575.825428037316	48.71979965289436		
713	291913	98978.8586730335	97097.31702502676	39.5853726952582	-100.448472	375611.7512379871	4328273.614162572	2756.069684069063	2620.8485779417	2574.573836071316	2574.892692757168	48.71979965289436		
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715	291915	100298.8586730335	97097.31702502676	39.58534341859528	-100.4437915	376013.6907588036	4328273.632708045	2751.541096520739	2617.265042935306	2571.68326163595	2571.68326163595	48.71979965289436		
716	291916	100958.8586730335	97097.31702502676	39.58533672531057	-100.4414152	376214.66044177755	4328273.642306101	2742.580937	2615.688407081761	2570.4579748728206	2570.6884839334687	48.71979965289436		
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718	291918	102368.8586730335	97097.31702502676	39.58531700311598	-100.4367716	376619.5926160575	4328273.66160575	2742.580937	2613.72017934734	2568.9054250406	2568.9054250406	48.71979965289436		
719	291919	102938.8586730335	97097.31702502676	39.58531577402277	-100.4344033	376817.56848412135	4328273.67152	2742.580937	2612.90656548836	2567.605054996235	2568.180731654039	48.71979965289436		
720	291920	103598.8586730335	97097.31702502676	39.58530870007891	-100.43209	377018.535966291	4328271.683	2742.580937	2609.32683520781	2566.78082851886	2567.4025310931	48.71979965289436		
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726	291926	107558.8586730335	97097.31702502676	39.585265305913524	-100.418043	378224.3498192028	4328267.75034393	2742.580937	2599.57169930424	2559.887695567774	2560.84736344197	48.71979965289436		
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730	291930	110198.8586730335	97097.31702502676	39.5852347229331	-100.408871	379028.22313639	4328267.79680876	2742.580937	2591.93986040778	2554.545026318572	2554.545026318572	48.71979965289436		
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732	291932	111518.8586730335	97097.31702502676	39.585218224169424	-100.404005	379430.1576969133	4328267.819569633	2742.580937	2588.78257644214	2552.90194821065	2552.90194821065	48.71979965289436		
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736	291936	114158.8586730335	97097.31702502676	39.5851893564443	-100.394654	380234.24077072505	4328267.87	2742.580937	2582.41425209288	2539.174127459075	2539.174127459075	48.71979965289436		
737	291937	114818.8586730335	97097.31702502676	39.58518152776205	-100.3923051	380435.394756572	4328267.88484	2742.580937	2580.5245125					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevKgr.ft	BRElevBothKgr.ft	SatElevLog.ft	SatBothKgr.ft
75	297	19115	-32201.1413	98757.51720250766	39.58229454335141	-101.9415707	247364.0751103138	4385531.937539407	3752.4170044208654	3521.6903335965085	3460.0338539276754	3462.5346653764537	61.6564800373907	59.15568098814814
76	297	19116	-32144.1413	98757.51720250766	39.58231665437869	-101.9392207	247565.1621505173	4385527.805531328	3752.496574013826	3520.108200350914	3458.400647597777	3458.0652899145816	61.707855275317075	59.2595021354985
77	297	19117	-32079.1413	98757.51720250766	39.58233686029323	-101.9368697	247766.2484103114	4385523.673727214	3752.5781453691298	3518.52654115307	3457.0581979796	3459.10819168357	61.7471672052098	59.41768448945
78	297	19118	-32021.1413	98757.51720250766	39.5823530823323	-101.9345056	247967.33548206236	4385519.249751469	3752.655131398425	3516.944990346936	3455.513621	3457.28958729816	61.8116948129364	59.6551337
79	297	19119	-31964.1413	98757.51720250766	39.58236234624484	-101.9322106	248168.4217738178	4385515.410928231	3751.782453072239	3515.365035347268	3453.9740450923828	3454.45228714546	61.9090094243399	59.9227375892306
80	297	19120	-31880.1413	98757.51720250766	39.5823642646172	-101.9298705	248369.5078164997	4385512.73793545	3749.956332263335	3513.7848902372235	3452.573461278958	3453.650091267435	61.71240277447683	60.0733899898322
81	297	19121	-31814.1413	98757.51720250766	39.58242611147587	-101.9275305	248570.5963102114	4385507.148845549	3748.30373380437	3512.21875866506	3451.171131788758	3452.0214984261397	61.7421049684765	60.191374346612
82	297	19122	-31748.1413	98757.51720250766	39.582447881287315	-101.9251904	248750.6719548116	4385503.018	3746.304183534507	3510.6414965956945	3449.9057037315403	3450.574147153631	60.7357938415418	60.0670792
83	297	19123	-31681.1413	98757.51720250766	39.5824690614253	-101.9228564	248972.7645231916	4385498.88735968	3744.216189	3509.073494942556	3448.716342204655	3448.13792780832	60.757106891803	59.83542871332681
84	297	19124	-31616.1413	98757.51720250766	39.5824912853189	-101.9205103	249173.84950065461	4385494.7515467	3738.866313428047	3507.508704476254	3447.7042023589106	3448.055087974777	59.84050089714756	59.92237868
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86	297	19126	-31484.1413	98757.51720250766	39.582534508505034	-101.9158302	249576.0189	4385486.49747979	3730.166560317754	3504.385083966415	3444.943425147041	3445.28803534299	59.94165881940398	59.15628043
87	297	19127	-31418.1413	98757.51720250766	39.58255665203224	-101.9134902	249777.1031586305	4385482.36819895	3725.938568398907	3502.823501427594	3442.436033968457	3442.622713153255	59.94074617402324	60.016125928038
88	297	19128	-31352.1413	98757.51720250766	39.58257755089643	-101.9111511	249978.1871713178	4385478.23873502	3721.83273569886	3501.267712717468	3439.3382340470554	3439.46726569479	61.9244823041251	61.7950540267101
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91	297	19131	-31154.1413	98757.51720250766	39.58264478	-101.9041298	250581.43790632876	4385465.85237916	3709.2608792803785	3496.582793967873	3429.212482519932	3429.163071510999	67.2703154168528	67.41927452678821
92	297	19132	-31088.1413	98757.51720250766	39.5826630324269	-101.9017899	250782.5209762461	4385461.7328762325	3705.67378227161	3495.019873179414	3426.065825566871	3425.918947110321	69.04504803107022	69.1002590653162
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94	297	19134	-30956.1413	98757.51720250766	39.58270139319688	-101.8971098	251184.68637711616	4385453.67613506	3695.1848158273444	3491.3095951219065	3417.3013601730963	3417.300623029665	74.52135178013093	74.52135178013093
95	297	19135	-30890.1413	98757.51720250766	39.5827277536912	-101.8947697	251385.7687048055	4385449.339826299	3691.06725082999	3489.35726866455	3411.56917005825	3411.645170338079	77.760986062074	78.005562836963
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97	297	19137	-30758.1413	98757.51720250766	39.58276904533325	-101.8902691	251787.6450173877	4385441.05800984	3682.5749173244414	3487.598587199991	3403.94587614683	3403.94587614683	82.4141637327873	82.4141637327873
98	297	19138	-30692.1413	98757.51720250766	39.58279005665514	-101.8877495	251989.0142287634	4385436.957901135	3678.39657945163	3485.706410827593	3390.192813070893	3398.62390963304	85.1539791186533	85.0825013405492
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104	297	19144	-30296.1413	98757.51720250766	39.58291530719555	-101.873709	253195.49865175484	4385412.200054581	3659.10713244414	3476.78817777427	3382.037430746428	3380.6587164241962	103.54513350244	103.54513350244
105	297	19145	-30230.1413	98757.51720250766	39.58293611	-101.871369	253396.57853676556	4385408.047527644	3666.621074212549	3475.226019616505	3387.542371021818	3391.364404725783	107.6836458469683	107.6836458469683
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112	297	19152	-29768.1413	98757.51720250766	39.58307995615831	-101.8549884	254804.1300674662	4385379.202009068	3657.4221147245848	3465.386304856573	3384.187382885746	3384.727846647485	109.692179703896	109.692179703896
113	297	19153	-29702.1413	98757.51720250766	39.58310320466488	-101.8526483	255005.20848577086	4385375.07835047	3656.00783904429	3464.03459607072	3383.7655736418837	3383.7655736418837	109.74621396463741	109.74621396463741
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118	297	19158	-29372.1413	98757.51720250766	39.58320148914661	-101.8404978	256010.5901330928	4385354.406295351	3643.409073765577	3457.581117428784	3378.51622027099	3377.6391103095103	109.926912509855	109.926912509855
119	297	19159	-29306.1413	98757.51720250766	39.5832215864284	-101.8386077								

ix	iy	icat	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
201	297	219241	-238941.1413	78757.7170250766	39.584715730068325	-11.6467156	276989.1437113263	4385013.062815411	3531.308726626076	3380.789693245961	3234.642590896015	3237.216677317554	146.1395234994618	143.570228742058
202	297	219242	-238281.1413	78757.7170250766	39.58473207529144	-11.6443754	279200.2404738767	438508.9569187	3530.76292530117	3379.26876	3233.00396562686	3236.75784981327	146.2648535628198	144.4829359287618
203	297	219243	-237621.1413	78757.7170250766	39.58474632572962	-11.6420253	279101.2546576175	438504.85345982	3528.7223966436	3377.259489453365	3231.623027300463	332.81122186748	146.1029131428017	144.917189776886
204	297	219244	-236961.1413	78757.7170250766	39.5847463006982	-11.639095	279302.3140281133	438500.7519711	3519.26167518424	3367.17347112129	3230.4204090260832	320.5975193019294	145.771007285547	145.575897096995
205	297	219245	-236301.1413	78757.7170250766	39.58478084	-11.6373458	279503.370740194	438496.846866965	3504.111106793143	3374.615010506506	3228.9914441840377	322.2863583730615	145.62317091246814	145.3847636589907
206	297	219246	-235641.1413	78757.7170250766	39.584704062402305	-11.6350146	279704.4270491514	438492.545564344	3503.1855467143844	3373.05184047015	3225.98419110416	325.984059373277	146.0590859973277	146.0584938917615
207	297	219247	-234981.1413	78757.7170250766	39.58481312319812	-11.6326744	279905.48313521815	438498.442782522	3497.181106793143	3374.615010506506	3226.67988157855	322.717842815765	144.8072923268064	147.5364737081287
208	297	219248	-234321.1413	78757.7170250766	39.584829197159614	-11.6303342	274106.539	438498.340223221	3492.417393930148	3369.91318225976	3225.035491320557	321.382640296435	146.736769054137	148.305841363317
209	297	219249	-233661.1413	78757.7170250766	39.58484625291977	-11.6278784	274307.594368368	438492.37898623	3487.07714789027	3368.33824958493	3223.623027300463	321.6819149821667	146.7054693312215	148.4917189776886
210	297	219250	-233001.1413	78757.7170250766	39.58486120944602	-11.6256338	274508.6050509243	438492.76137214145	3487.739060076988	3366.79532347414	3222.119251009106	321.5623764901194	146.6402713520735	150.1965588419457
211	297	219251	-232341.1413	78757.7170250766	39.5848717779986	-11.6233138	274709.7052546356	438497.034	3482.114845	3365.1766217164336	3220.804870501396	321.73181421503738	151.2834092227397	
212	297	219252	-231681.1413	78757.7170250766	39.58489304093173	-11.6209734	274910.7160229313	438496.93211959	3484.2109813634753	3363.589342558329	3219.180933278956	321.2002659161653	144.4084142794273	152.3808916
213	297	219253	-231021.1413	78757.7170250766	39.5849088885617	-11.6186332	275101.8428231867	438493.803765595	3494.3071177892343	3361.99755534224214	3217.877516564136	321.4200387781255	154.9250719198094	
214	297	219254	-230361.1413	78757.7170250766	39.584924691573086	-11.616293	275312.8691387743	438499.7294517925	3500.4032541200113	3360.40118917856	3216.1671116959844	320.8334651169549	144.234073122718	156.566198552617
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216	297	219256	-229041.1413	78757.7170250766	39.584956118138424	-11.6116126	275714.0770134601	438495.1527761848	3505.288927592425	3357.196732087272	3212.5032132437454	319.618703708617	144.693518843819	160.57802837861027
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218	297	219258	-227721.1413	78757.7170250766	39.58498745036505	-11.6069322	276171.085429681	438493.8627057	3507.738520181232	3353.97853744834	3208.542362268471	319.832923235164	145.4359147636304	160.1466204869918
219	297	219259	-227061.1413	78757.7170250766	39.58500302403197	-11.604592	276318.1388570787	438493.326760082	3508.871910713165	3352.361312181675	3206.3920276152307	319.840710697560	145.969284566449	159.35402502607468
220	297	219260	-226401.1413	78757.7170250766	39.585018558517459	-11.6022518	276519.1920642406	438493.126872405	3509.737178993852	3350.737300316426	3204.345771834564	320.047483253001	146.9155584817718	149.708467784818
221	297	219261	-225741.1413	78757.7170250766	39.58503440477872	-11.5999115	276720.2550135906	438493.012706343	3510.685642052384	3349.106533068504	3202.59567082014962	320.593803651168	146.5127528070038	147.1072941007618
222	297	219262	-225081.1413	78757.7170250766	39.58504946583449	-11.5975713	276921.2978	438495.263762781	3511.169150525476	3347.4696875277455	3201.166909194134	320.748262160336	145.7203786660331	145.72140358714897
223	297	219263	-224421.1413	78757.7170250766	39.5850651378513	-11.595231	277122.3506878781	438495.580911554	3512.64467466732	3345.54467897229	3200.598783734983	320.748262160336	145.7203786660331	145.72140358714897
224	297	219264	-223761.1413	78757.7170250766	39.58508023222266	-11.5928909	277323.024934305	4384918.72953411	3504.3517652392	3344.1616909773746	3198.540700233395	320.1845532127345	145.6400974400506	142.907506764041
225	297	219265	-223101.1413	78757.7170250766	39.58509553775501	-11.5905507	277524.458033959	4384918.76037047	3504.3517652392	3342.3563138585665	3197.456557590142	3201.52204552842465	145.10105682	
226	297	219266	-222441.1413	78757.7170250766	39.5851107979475	-11.5882105	277725.5066941759	4384910.53221244	3501.0389011015	3340.83227816736	3196.6149395105476	3202.634371681441	144.2628830618842	134.2848561329523
227	297	219267	-221781.1413	78757.7170250766	39.58512601299605	-11.5858702	277926.5584	4384906.438228626	3503.235633152743	3339.235633152743	3196.364669141463	3207.46778987835	144.1627166238594	134.5647885235959
228	297	219268	-221121.1413	78757.7170250766	39.585141182804705	-11.58353	278127.60981841804	4384902.3373569	3489.647582518195	3337.91112939428	3196.849565864801	3207.462498181618	141.74156407162673	129.7683175481003
229	297	219269	-220461.1413	78757.7170250766	39.58515630740543	-11.5811698	278328.6010528905	4384918.445528617	3488.941445528617	3337.91112939428	3196.849565864801	3207.462498181618	141.74156407162673	129.7683175481003
230	297	219270	-219801.1413	78757.7170250766	39.58517138671812	-11.578496	278524.107202051	4384904.42035716	3487.07714789027	3334.3131757085923	3196.849565864801	3207.462498181618	141.74156407162673	129.7683175481003
231	297	219271	-219141.1413	78757.7170250766	39.5851864092863	-11.5769093	278730.7629	4384900.4271847	3472.464291205686	3323.682517861473	3193.248807042722	322.25513392657153	139.4370913701281	131.711785067757
232	297	219272	-218481.1413	78757.7170250766	39.5852014095948	-11.57471691	278931.813448186	4384885.4563204	3471.05426498564	3321.059159249206	3191.1683611909248	321.72459880928123	108.8456043999713	108.8456043999713
233	297	219273	-217821.1413	78757.7170250766	39.585216353728086	-11.5718289	279123.8638112631	4384881.84856682	3469.224298404633	3320.43881472211	3188.4621234200875	320.9693715212015	108.8456043999713	108.8456043999713
234	297	219274	-217161.1413	78757.7170250766	39.5852312228857	-11.5694887	279333.9135700624	4384875.71925715	3473.63302095313	3327.837122950415	3185.531313045858	319.654010908674	142.3080924054347	131.3330132081076
235	297	219275	-216501.1413	78757.7170250766	39.5852461054095	-11.5671484	279534.366385525	4384873.655240865	3468.91564659903	3326.2379465822968	3183.4772214191	318.6003585489703	142.800224259374	131.6375878
236	297	219276	-215841.1413	78757.7170250766	39.58526091378513	-11.5648029	279736.0136	4384869.558011554	3467.15897565521	3324.54467466732	3191.4067898729	318.133971230673	142.183971230673	142.183971230673
237	297	219277	-215181.1413	78757.7170250766	39.58527567762118	-11.562468	279937.060329272	4384865.46280438	3467.0419466753	3323.056533266575	3178.8925713827364	317.9565221379803	141.1639618929137	142.183971230673
238	297	219278	-214521.1413	78757.7170250766	39.58529039444897	-11.5601278	280138.1123707647	4384861.369209028	3467.644913781807	3321.42760278913	3175.932021666093	317.952495491387	141.1639618929137	142.183971230673
239	297	219279	-213861.1413	78757.7170250766	39.5853050066854	-11.5577875	280339.16142333376	4384860.721257934	3467.644913781807	3321.42760278913	3175.932021666093	317.952495491387	141.1639618929137	142.183971230673
240	297	219280	-213201.1413	78757.7170250766	39.58531966427825	-11.5554473	280540.2102790005	4384853.175818136	3473.615028145286	3318.210338060194	3177.6562166017725	317.952495491387	141.1639618929137	142.183971230673
241	297	219281	-212541.1413	78757.7170250766	39.585334276382824	-11.5531071	280741.2589091767	4384850.08060908	3473.615028145286	3318.210338060194	3177.6562166017725	317.952495491387	141.1639618929137	142.183971230673
242	297	219282	-211881.1413	78757.7170250766	39.58534831377706	-11.550768	280942.3073236804	4384844.365065115	3481.414052861337	3315.10580098044	3178.458279556227	318.6003585489703	142.800224259374	131.6375878
243	297	219283	-211221.1413	78757.7170250766	39.58536294846382	-11.5484029	281143.403564155	4384839.96245915	3481.4052861337	3315.10580098044	3178.458279556227	318.6003585489703	142.800224259374	131.6375878
244	297	219284	-210561.1413	78757.7170250766	39.58537751447706	-11.5460863	281344.403564155	4384836.796245915	3474.079556330533	3311.066231058004	3178.1780514026666	317.8832014484967	137.7881789096537	133.133731660606
245	297	219285	-209901.1413	78757.7170250766	39.58539215271845	-11.5437461	281545.4513							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	OrthoKgr.ft	SatHBoth.ft
327	291367	-155781.1413	78757.3170250766	39.58641921012821	-131.3518438	298030.6562563869	4384497.227892962	3375.913026291718	3183.6768168879718	3075.9292553033147	3070.640510482939	10.04836158465566	113.0361049053211	
328	291368	-155121.1413	78757.3170250766	39.58642965011254	-131.3499035	298231.6868924333	4384493.646991064	3374.71705894978	3182.206521963768	3071.9029700413485	3069.68008058194	11.02745192241953	112.814444095057397	
329	291369	-154661.1413	78757.3170250766	39.58643046263666	-131.3471622	298432.675371210838	4384489.5711038139	3374.630584586234	3180.9639321678026	3068.8459715892785	112.113967192262857	113.905141192262857	112.814444095057397	
330	291370	-153801.1413	78757.3170250766	39.586451021	-131.3448229	298633.747571214304	4384485.95852275	3369.4885105104986	3179.0269262311465	3066.243474538504	10.64223364136103	113.98051509629613	113.5796176056436	
331	291371	-153141.1413	78757.3170250766	39.58646153440289	-131.3424826	298834.7717742162	4384481.420613345	3367.8391121702626	3178.20467064154	3062.632058559386	3061.6343803835	115.6083620867607	116.8032725563906	
332	291372	-152481.1413	78757.3170250766	39.58647020044403	-131.3401423	299035.80765093387	4384478.1453508909	3366.7962651579216	3176.874871450528	3059.167699043433	30.58417741361393	117.70178054616845	118.4571033143884	
333	291373	-151821.1413	78757.3170250766	39.586482425274674	-131.337802	299236.83271202011	4384473.270804473	3365.5205492021166	3175.504299	3055.79980860173	30.55694457033893	119.70449058905739	119.83094242686962	
334	291374	-151161.1413	78757.3170250766	39.58649282849774	-131.3354616	299437.8666627299	4384469.19232491	3364.3125533671	3174.129365624383	3054.6306327787524	30.52373466710008	119.42987348563406	121.7058985163177	
335	291375	-150501.1413	78757.3170250766	39.58650335304503	-131.3331213	299638.89591872593	4384465.1182132	3363.3076546678345	3173.7507259891778	3054.417358646178026	30.513187858118492	119.3336308293971	118.3336308293971	
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338	291378	-148521.1413	78757.3170250766	39.58653386126936	-131.3261004	300241.98250590726	4384452.90160726	3333.020397005789	3168.601315675007	3052.460250158611	30.503247693941685	115.9401099858865	118.2573621733224	
339	291379	-147861.1413	78757.3170250766	39.58654401283646	-131.3237601	300443.0108150865	4384448.82696877	3331.986553439414	3167.214034559076	3051.722745	30.505807986804120	115.487783696804120	116.3632435868503	
340	291380	-147201.1413	78757.3170250766	39.58655411919292	-131.3214198	300644.0392573939	4384444.753454436	3330.6997621875944	3165.82124203734	3050.735269415953	30.503389538245922	115.09239712891367	115.435857880197211	
341	291381	-146541.1413	78757.3170250766	39.58656418033989	-131.3191795	300845.0673305943	4384440.83433569	3345.412973931253	3164.4448911011773	3049.88097156694	30.48878812	115.0380118545138	115.65697980197211	
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346	291386	-143241.1413	78757.3170250766	39.58661380790676	-131.3073779	301850.24802244623	4384420.31865134	3347.387643145426	3157.36135007192	3045.9035017580227	30.450316212962603	111.708513249163	118.0382201453171	
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348	291388	-141921.1413	78757.3170250766	39.58663324458587	-131.3026973	302252.2584559319	4384412.15794711	3345.6168842605	3043.7883701014174	3043.922974121528	30.4296651014174	111.735146484783	120.6849213415705	
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352	291392	-139281.1413	78757.3170250766	39.58667186903211	-131.293336	303056.363040759	4384395.91826912	3324.38217219368	3149.352453134476	3038.0032585591025	30.42638376029239	111.3491948543511	122.516583420881	
353	291393	-138621.1413	78757.3170250766	39.58668138748305	-131.2909957	303257.3891543738	4384391.62146446	3321.46758619478	3147.964628471184	3036.1523849314617	30.42615425965674	111.31871955668	123.5140333	
354	291394	-137961.1413	78757.3170250766	39.5866908105354	-131.288653	303458.4417153774	4384387.71323444	3318.5530101897907	3146.60993932636	3034.940489179683	30.42266510141871	112.6694051466318	123.94342918449502	
355	291395	-137301.1413	78757.3170250766	39.58670028924786	-131.286315	303650.68140306	4384383.88140306	3316.78803084862	3145.29147774438	3033.922974121528	30.4219654783572	112.3486951148893	124.94342918449502	
356	291396	-136641.1413	78757.3170250766	39.5867102603121	-131.283977	303850.465260342	4384379.71705424	3314.96748305922	3143.9471195739847	3029.9723239847	30.4197507178495	112.97417217313	124.94342918449502	
357	291397	-135981.1413	78757.3170250766	39.58671901	-131.2816344	304061.4902447278	4384375.542229193	3312.71265273732	3142.63736014177	3027.033830959536	30.41734474979587	112.6528995464608	125.2918396302184	
358	291398	-135321.1413	78757.3170250766	39.58672830254985	-131.2792941	304262.5150373094	4384371.472974005	3310.685825805136	3141.339961	3024.584378974922	30.41407932	116.7915843560478	127.2426409323975	
359	291399	-134661.1413	78757.3170250766	39.5867374991537	-131.2769537	304463.5396383006	4384367.404	3308.73763434157	3140.057699265974	3021.777302680294	30.40960248214708	118.2803958596799	130.451451018893	
360	291400	-134001.1413	78757.3170250766	39.58674675205472	-131.2746134	304664.5644709026	4384363.335127919	3306.672502778794	3138.78866418097	3018.468339955858	30.40217626327402	120.3210422439228	136.6510378073949	
361	291401	-133341.1413	78757.3170250766	39.58675598930257	-131.2722731	304865.5885623527	4384359.26537003	3304.60475174111	3137.531658172228	3014.947586437162	30.400959375644462	122.5840745250667	127.46841768017853	
362	291402	-132681.1413	78757.3170250766	39.58676520701025	-131.2699239	305066.612203775	4384355.196147	3302.72584425831	3136.28771070528	3013.43582570825	30.40046845691	117.5381785929544	127.46841768017853	
363	291403	-132021.1413	78757.3170250766	39.586774087206415	-131.2675924	305267.6361304704	4384351.13019392	3300.504039517988	3135.0247495434753	3011.797452558551	30.400198989367	127.2486128492424	133.684993750279	
364	291404	-131361.1413	78757.3170250766	39.5867831050147	-131.2652521	305468.659775589	4384347.062	3301.4818481085	3133.819052310253	3010.92110193073	30.40064885200947	128.8979511189802	133.701671110818	
365	291405	-130701.1413	78757.3170250766	39.586792045845246	-131.2629118	305669.6832323684	4384342.994387354	3300.463218102086	3132.598896287566	3009.421271315317	30.4001748942774148	132.40673144049	132.40673144049	
366	291406	-130041.1413	78757.3170250766	39.58680101545821	-131.2605715	305870.7064979883	4384338.92603039	3300.3444655418377	3131.385048389445	3005.241612000976	30.400277332558105	126.144336389347	131.108015863305	
367	291407	-129381.1413	78757.3170250766	39.58680991119864	-131.2582311	306077.72973653	4384334.8590381	3300.185597477374	3130.179893063435	3006.711525784492	30.400267269874363	124.00828352185135	129.91723303189023	
368	291408	-128721.1413	78757.3170250766	39.58681874157034	-131.2558088	306272.752	4384330.72599595	3300.704851811697	3128.981868810384	3006.37171346504	30.400172766621	122.1847496757805	128.9546586437529	
369	291409	-128061.1413	78757.3170250766	39.58682756813825	-131.253469	306473.90674657924	4384326.950384	3300.425845891674	3127.954584981674	3005.925845891674	30.400172766621	122.1847496757805	128.9546586437529	
370	291410	-127401.1413	78757.3170250766	39.58683626857374	-131.251101	306674.7963630825	4384322.6591801	3300.379769995138	3126.81571935478	3005.86349437176	30.400172766621	122.1847496757805	128.9546586437529	
371	291411	-126741.1413	78757.3170250766	39.58684491654615	-131.2488698	306875.819891481	4384318.59280412	3300.3795154435949	3125.4536858366	3005.41141581252	30.400172766621	122.1847496757805	128.9546586437529	
372	291412	-126081.1413	787											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	LatBothKrg.	SatBoth.
453	297	194943	-72621.14133	78757.7172050766	39.58740493143403	-101.056961	32339.0262916316	4383985.902302728	70.24268451374607	202.10873726502	2930.947988783126	2936.2906447525176	91.16076494337585	85.8181090128448
454	297	194944	-71961.14133	78757.7172050766	39.58740968366561	-101.0564027	32360.0336018495	4383981.854260813	70.7023881346404	302.0576797512306	2929.5494936533445	2928.54262486453	91.0272971788899	86.0473530847791
455	297	194945	-71301.14133	78757.7172050766	39.58741430960265	-101.0562263	32375.1940796968	4383977.806438343	70.761386416893	302.934008393665	2927.879194607149	2927.8306541401134	91.15481423221127	83.10335446892403
456	297	194946	-70641.14133	78757.7172050766	39.58741965203651	-101.0499399	32382.0478	4383973.75860513	70.7623881346404	301.7480040011266	2926.1985363952136	2938.876581547357	91.2821051597897	78.6040589646991
457	297	194947	-69981.14133	78757.7172050766	39.5874246901192	-101.0475996	32413.0654156878	4383969.71487712	70.68806291755275	301.9167748019836	2924.65003723638	2936.660727543737	91.45177108	79.2560470742992
458	297	194948	-69221.14133	78757.7172050766	39.58742991048804	-101.0452592	324364.0613	4383965.546325534	70.65548739204467	301.342186331446	2922.577061789896	2932.504171072823	91.761254324984	81.8301526032134
459	297	194949	-68661.14133	78757.7172050766	39.5874339666413	-101.0429188	324565.067849534	4383961.61401075	70.623176704832696	302.1767074832696	2920.3190188330354	2927.965520911474	92.4378915233413	84.79118657185654
460	297	194950	-68001.14133	78757.7172050766	39.58743864762547	-101.0405789	324766.017019414	4383957.570909998	70.593392003877905	301.1605077016475	2919.83946545809	2923.328944584584	93.8211156166593	87.32116324580107
461	297	194951	-67341.14133	78757.7172050766	39.58744329337444	-101.0382181	324967.08050002	4383953.52400635	70.564669362671	300.95538319384447	2915.7640719822564	2919.317400698985	93.698598781838	86.23653132853951
462	297	194952	-66681.14133	78757.7172050766	39.587447873911046	-101.0358977	325169.0893	4383949.487390963	70.5354138224773567	300.93626572099	2914.6256748200156	2917.0924865290166	93.10957839	80.843277704293
463	297	194953	-66021.14133	78757.7172050766	39.58745241953253	-101.0335574	325369.90206942125	4383945.432	70.50466417303337	300.630918671574	2915.8967827876068	2917.25279574894	93.0411526393164	80.938923007149
464	297	194954	-65361.14133	78757.7172050766	39.58745691394702	-101.031217	325570.079698326	4383941.386	70.505835075268029	300.6760162970413	2919.1899012466247	2919.951704772147	92.84611550041663	84.7242115869943
465	297	194955	-64701.14133	78757.7172050766	39.587461374246395	-101.0288766	325771.10315861564	4383937.340444993	70.504387455108087	300.039307001871	2923.8046738510184	2924.48328	92.53463315085246	78.56602716
466	297	194956	-64041.14133	78757.7172050766	39.58746573933325	-101.0265362	325972.1084836858	4383933.290507905	70.501768730693538	300.1393771661155	2927.6840756483125	2928.366675265159	93.71501367	73.03207163995649
467	297	194957	-63381.14133	78757.7172050766	39.58747104840783	-101.0241959	326173.1135695856	4383929.290594903	70.50295269409839	2999.7543819088485	2928.248204980751	2928.667472850373	93.71602793367	70.9309096
468	297	194958	-62721.14133	78757.7172050766	39.587474467669914	-101.021855	326374.1185213125	4383925.20444118	70.504361244711022	2998.10399596764	2924.056910308273	2924.056910308273	93.71501367	73.2470856783668
469	297	194959	-62061.14133	78757.7172050766	39.58747874111954	-101.0195151	326575.1233040191	4383921.160218231	70.507479182806234	2998.4487263412457	2918.59940196968	2918.288467254309	93.71501367	78.1602509893655
470	297	194960	-61401.14133	78757.7172050766	39.58748297055671	-101.0171748	326775.1279179834	4383917.115721266	70.5074931040263094	2994.791032041203	2913.1828422593976	2912.59079364528	93.6801894472265	82.2819523095212
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472	297	194962	-60081.14133	78757.7172050766	39.58749172253932	-101.012494	327178.1366405024	4383909.02736365	70.50075078157693	2991.4830746556227	2914.7235494397531	2912.795442141203	93.71501367	77.21076568
473	297	194963	-59421.14133	78757.7172050766	39.5874953879337	-101.0101536	327379.1407494714	4383904.983519815	70.50059599984813	2989.804865275013	2916.877939115158	2916.815014084574	93.6801894472265	73.3303457113849
474	297	194964	-58761.14133	78757.7172050766	39.5874994337064	-101.0078133	327580.14496052054	4383890.33996455	70.510530374477255	2988.900710018013	2918.905475572652	2919.53715322397	93.6801894472265	69.3009543
475	297	194965	-58101.14133	78757.7172050766	39.5875135829874	-101.0054729	327781.1648436571	4383884.59858571	70.510530374477255	2988.900710018013	2918.905475572652	2919.53715322397	93.6801894472265	62.757070054684
476	297	194966	-57441.14133	78757.7172050766	39.5875173411766	-101.003125	327982.10250967713	4383882.85311161	70.512534074920394	2984.9607103112	2917.560314829333	2921.48973371625	93.6801894472265	63.470977275949576
477	297	194967	-56781.14133	78757.7172050766	39.58751931	-101.0007921	328183.1555	4383880.81042912	70.512534074920394	2984.9607103112	2917.560314829333	2921.48973371625	93.6801894472265	61.81521918
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479	297	194969	-55461.14133	78757.7172050766	39.58751899552934	-100.9961114	328585.1618841558	4383880.72506673	70.512534074920394	2984.9607103112	2917.560314829333	2921.48973371625	93.6801894472265	61.81521918
480	297	194970	-54801.14133	78757.7172050766	39.5875227224149	-100.993771	328786.1648220007	4383876.68278062	70.51167307140673	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	63.02136997481454
481	297	194971	-54141.14133	78757.7172050766	39.587526503741124	-100.9914368	328987.1679337025	4383872.697507683	70.51167307140673	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	64.03136997481454
482	297	194972	-53481.14133	78757.7172050766	39.58753019012818	-100.989093	329170.179198	4383868.59845212	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	65.03136997481454
483	297	194973	-52821.14133	78757.7172050766	39.58753383110271	-100.9867499	329398.1726374881	4383864.55207678	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	66.03136997481454
484	297	194974	-52161.14133	78757.7172050766	39.58753742696465	-100.9844095	329590.1791050576	4383860.517878315	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	67.03136997481454
485	297	194975	-51501.14133	78757.7172050766	39.5875407781403	-100.9820991	329791.1770181561	4383856.4589283	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	68.03136997481454
486	297	194976	-50841.14133	78757.7172050766	39.58754443050856	-100.9797288	329992.1786062005	4383852.43811126	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	69.03136997481454
487	297	194977	-50181.14133	78757.7172050766	39.58754794327508	-100.9773884	330193.1807370216	4383848.39253442	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	70.03136997481454
488	297	194978	-49521.14133	78757.7172050766	39.58755135829874	-100.975049	330394.182457889	4383844.352151832	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	71.03136997481454
489	297	194979	-48861.14133	78757.7172050766	39.58755472808575	-100.9727706	330595.1876752465	4383840.311988881	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	72.03136997481454
490	297	194980	-48201.14133	78757.7172050766	39.58755805627218	-100.9703673	330796.1867080319	4383836.21902185	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	73.03136997481454
491	297	194981	-47541.14133	78757.7172050766	39.58756133	-100.9680269	330997.1867195974	4383832.23220323	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	74.03136997481454
492	297	194982	-46881.14133	78757.7172050766	39.5875646562071	-100.9656865	331198.1871459674	4383828.19236919	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	75.03136997481454
493	297	194983	-46221.14133	78757.7172050766	39.587567951557596	-100.9633461	331399.1876393437	4383824.15294311	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	76.03136997481454
494	297	194984	-45561.14133	78757.7172050766	39.5875708689174	-100.9610058	331600.186550989	4383820.13157843	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	77.03136997481454
495	297	194985	-44901.14133	78757.7172050766	39.58757378019156	-100.958729	331801.1854639571	4383816.1198881	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	78.03136997481454
496	297	194986	-44241.14133	78757.7172050766	39.587576670572574	-100.9563525	332002.18932621414	4383812.03795482	70.51063631042963	2978.54878479356	2915.4544239314455	2919.53715322397	93.6801894472265	79.03136997481454
497	297	194987	-43581.14133	78757.7172050766	39.58757958082378	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
579	219619	13178.85867303351	-007.752711	730250766	-007.5867282384235	-007.7620732	448664.665032735	4383477.584727193	204.0129959869675	274.815059213606575	277.831123871315	277.93011703478083	40.64797944	40.6047590885113
580	219620	11188.85867303351	-007.752711	730250766	-007.58676211927879	-007.7597328	348885.6523715665	4383473.56442304	290.1468172137696	281.9137174428417	277.107722371175	277.072815076103	40.746769129706	40.84432836
581	219621	11888.85867303351	-007.752711	730250766	-007.5867913296029	-007.7537824	348866.6396359524	4383469.544919166	298.316625840571	283.310127264528	277.521071264528	277.4816418714436	41.80093310647775	41.80093310647775
582	219622	12051.85867303351	-007.752711	730250766	-007.5867670484513176	-007.7505221	348927.6265053765	4383465.524331231	293.246543855655	276.93.300732271367	276.92.247183558167	43.4254800418836	43.5033779903673	43.5033779903673
583	219623	13178.85867303351	-007.752711	730250766	-007.586766614311125	-007.7527117	349488.61324182907	4383461.504808028	292.770.773110368	282.1159635184119	276.64.2320552395	276.65.96684139124	45.5278403524056	45.52784037026625
584	219624	14988.85867303351	-007.752711	730250766	-007.586766889627	-007.7503713	34969.601	4383457.454846373	292.8229523179036	281.115273139156	276.37.3540389004	276.38.7586857958	47.898727269194	47.89872457233763
585	219625	14988.85867303351	-007.752711	730250766	-007.5867671826584	-007.7480309	34980.5867258449	4383453.46626254	292.675.653391228	281.0287821227993	276.07.67940320296	276.08.75868402096	49.668561853007	49.668561853007
586	219626	15158.85867303351	-007.752711	730250766	-007.58676620428066	-007.7456905	35009.15731647849	4383448.47283659	292.52.17761351258	280.10.390311	275.7.735007681723	275.93.03147694363	52.6553031424684	51.3561351288149
587	219627	15158.85867303351	-007.752711	730250766	-007.586766561197475	-007.7435561	35029.55925594581	4383445.126820587	292.51.686437904718	280.9.74.10024739816	275.6.1387621581493	275.67.538621110457	54.65533869	52.25447913889323
588	219628	16478.85867303351	-007.752711	730250766	-007.5867545310804	-007.7410108	350483.54570246185	4383441.40975025	325.65.653391228	280.9.139615653043	275.45.1356518454	275.45.2256905840	55.7422805	55.70535895429794
589	219629	17138.85867303351	-007.752711	730250766	-007.586763363290564	-007.7386694	350684.531704986	4383437.391650645	325.65.653391228	280.9.139615653043	275.45.1356518454	275.45.2256905840	55.7422805	55.70535895429794
590	219630	17798.85867303351	-007.752711	730250766	-007.58676219693727	-007.736329	350895.516	4383433.373453945	329.7.309064639143	280.7.977535269697	275.1.841635160967	275.1.841635160967	53.1010406296703	53.1010406296703
591	219631	18458.85867303351	-007.752711	730250766	-007.5867620543264	-007.7339886	351096.5032781133	4383429.35561306	326.508.586860511046	280.7.1929742273048	275.1.1929742273048	275.1.1929742273048	56.1654320479681	53.82445759965247
592	219632	19118.85867303351	-007.752711	730250766	-007.58676591915204	-007.7316482	351297.4888497102	4383425.371995696	326.7.2826262919255	275.0.4595474330365	274.54.947474737085	274.54.947474737085	58.1846588193708	58.1846588193708
593	219633	19778.85867303351	-007.752711	730250766	-007.58676532559503	-007.7293078	351488.4742766482	4383421.230549552	327.2448341776087	280.68115380023	274.87.229381498205	274.87.229381498205	59.36971723202335	59.36971723202335
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598	219638	23078.85867303351	-007.752711	730250766	-007.586765085741945	-007.7176059	352503.39070147	4383401.25961014	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	64.7799768865735	64.7799768865735
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600	219640	24398.85867303351	-007.752711	730250766	-007.586764733315144	-007.7125825	352905.3662704815	4383393.250470485	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	66.7799768865735	66.7799768865735
601	219641	25038.85867303351	-007.752711	730250766	-007.5867645924974	-007.709158	353106.5957834	4383389.19584251	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	67.7799768865735	67.7799768865735
602	219642	25718.85867303351	-007.752711	730250766	-007.586764430037255	-007.7082444	353307.337037921	4383385.173408713	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	68.7799768865735	68.7799768865735
603	219643	26378.85867303351	-007.752711	730250766	-007.586764251557913	-007.705904	353508.320708274	4383381.158156805	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	69.7799768865735	69.7799768865735
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610	219650	30998.85867303351	-007.752711	730250766	-007.586763136225466	-007.687181	355116.187	4383349.04037625	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	76.7799768865735	76.7799768865735
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614	219654	33638.85867303351	-007.752711	730250766	-007.58676261942674	-007.6778194	355920.117809512	4383333.92224148	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	80.7799768865735	80.7799768865735
615	219655	34298.85867303351	-007.752711	730250766	-007.58676251942674	-007.675479	356121.0999942781	4383329.97940636	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	81.7799768865735	81.7799768865735
616	219656	34958.85867303351	-007.752711	730250766	-007.58676241942674	-007.6731897	356322.0842010336	4383325.9659083	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	82.7799768865735	82.7799768865735
617	219657	35618.85867303351	-007.752711	730250766	-007.58676231942674	-007.6707983	356523.06394315	4383321.9556694	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	83.7799768865735	83.7799768865735
618	219658	36278.85867303351	-007.752711	730250766	-007.58676221942674	-007.6684579	356724.0547917682	4383317.93439536	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	84.7799768865735	84.7799768865735
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620	219660	37598.85867303351	-007.752711	730250766	-007.58676201942674	-007.6638178	357126.9902042874	4383309.10339552	328.1.61284089549	280.5.434789991744	274.8.9924137244365	274.8.9924137244365	86.7799768865735	86.7799768865735
621	219661	38258.85867303351	-007.752711	730250766	-007.58676191942674	-007.661548								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothsKrg.ft	SatHtLogs.ft	SatHtBoths.ft
705	297	219475	96368.85867307335	98757.71720250766	39.587222999159245	-100.4671861	374007.9841357819	43282972.753226695	2760.6494795690927	2632.2872873248325	2588.1730928926545	2588.4062715067907	44.1119432187105	43.88101581904176
706	297	219476	94358.85867307335	98757.71720250766	39.58721655781943	-100.4644558	374208.9546793632	43296268.705229085	2757.2063178983117	2630.75367630757	2585.7977109671026	2586.1171121088005	44.6761953995413	44.6761953995413
707	297	219477	95018.85867307335	98757.71720250766	39.58719017126786	-100.4635054	374409.3291029474	43296478.7125253	2758.6218617674027	2629.281109791897	2583.254486292625	2584.40107347	45.027696829625	45.027696829625
708	297	219478	967678.85867307335	98757.71720250766	39.5870253953937	-100.4601651	374160.850462741	4329690.7757096373	2755.8315962016273	2627.753385263453	2579.464434524829	2579.89735	48.2896110151643	47.8555050652545
709	297	219479	96338.85867307335	98757.71720250766	39.58719665262833	-100.4578247	374811.86550950526	4329596.787221884	2756.0063661122034	2626.214608618633	2576.527268629336	2576.849575008502	49.68733832546515	49.36503195338082
710	297	219750	96998.85867307335	98757.71720250766	39.58719034	-100.4554844	375012.8356557812	4329619.791891225	2756.290057126384	2624.667155008593	2574.3988265715041	2574.71327730402	49.68733832546515	49.36503195338082
711	297	219751	97658.85867307335	98757.71720250766	39.5871837294134	-100.453144	375213.8056140364	4329480.280048695	2756.088162220234	2623.10781060291	2572.972358733176	2572.972358733176	50.138425186973564	49.847290942472316
712	297	219752	98318.85867307335	98757.71720250766	39.58717696033003	-100.4509836	375414.7714281247	4329544.808887217	2754.549584972754	2621.5474283297754	2571.664803790094	2571.9638941559135	49.8628193258475	49.57486417
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716	297	219756	100958.85867307335	98757.71720250766	39.58714965776263	-100.4414422	376218.6534652082	4329284.854496023	2744.576425084096	2615.257259088060	2567.826902554276	2567.826902554276	47.1262129534315	47.1262129534315
717	297	219757	101018.85867307335	98757.71720250766	39.587142719092038	-100.4391019	376419.6228841394	4329284.854496023	2738.739864841774	2613.6771505292566	2567.571005481506	2567.7205376179103	46.1596848410596	45.951267344625
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719	297	219759	102938.85867307335	98757.71720250766	39.587128760115394	-100.4344212	376821.5601001022	4329284.854496023	2727.113934323584	2610.305807158268	2566.880074896135	2567.1397902130377	44.8176655512487	44.8176655512487
720	297	219760	103598.85867307335	98757.71720250766	39.5871218118039	-100.432008	377022.529833456	4329212.885600348	2727.477147390337	2608.914993858495	2565.9608467168387	2566.505672738947	42.95165266910585	42.95165266910585
721	297	219761	104258.85867307335	98757.71720250766	39.58710514229166	-100.4297405	377223.4986455708	4329208.86	2727.31484545084	2607.318925474914	2565.411443453126	2565.106789440242	41.90224903586729	41.90224903586729
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725	297	219765	106898.85867307335	98757.71720250766	39.5870858210319	-100.4203791	378027.3725424059	4328982.940637067	2714.691490048674	2601.39323396017	2561.53814290335	2562.323035499968	39.30508413568168	38.71992798640281
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727	297	219767	108218.85867307335	98757.71720250766	39.58707055153653	-100.4163854	378429.30879196036	4328781.94018963	2712.29144438138	2597.371071473158	2558.64981747828	2559.6288188818	38.71992798640281	38.71992798640281
728	297	219768	108878.85867307335	98757.71720250766	39.587063409738946	-100.4135581	378630.2767431169	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
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731	297	219771	110858.85867307335	98757.71720250766	39.5870403469824	-100.406337	379233.179045676	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
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733	297	219773	112178.85867307335	98757.71720250766	39.5870255153653	-100.4016385	379635.11477091035	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
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737	297	219777	114818.85867307335	98757.71720250766	39.5869945121837	-100.392225	380438.9831318936	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
738	297	219778	115478.85867307335	98757.71720250766	39.5869865310269	-100.3899546	380639.3496975607	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
739	297	219779	116138.85867307335	98757.71720250766	39.5869786275913	-100.3876143	380840.916629621	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
740	297	219780	116798.85867307335	98757.71720250766	39.5869705123843	-100.385274	381041.803208673	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
1	298	219781	370941.1413	988417.71720250766	39.582358037138776	-102.1147623	382487.0866915318	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
2	298	219782	370281.1413	988417.71720250766	39.58237623681926	-102.1124223	382688.19254516833	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
3	298	219783	369621.1413	988417.71720250766	39.5824015502476	-102.1100823	382889.28813386197	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
4	298	219784	368961.1413	988417.71720250766	39.58242686116726	-102.1077423	383090.4034578189	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
5	298	219785	368301.1413	988417.71720250766	39.582452110935	-102.1054023	383291.50857172457	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
6	298	219786	367641.1413	988417.71720250766	39.58247717850994	-102.1031623	383492.6132124826	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
7	298	219787	367041.1413	988417.71720250766	39.58250281729516	-102.1008823	383693.71834510821	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
8	298	219788	366321.1413	988417.71720250766	39.5825275937327	-102.098323	383894.8211040612	4328780.97623847	2712.03731911677	2595.88472400765	2556.714729850490	2557.987515660577	37.8298205	37.8298205
9	298	219789	365661.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRVElevKgr.f	BRVElevKgr.f	BRVElevKgr.f	SurfElev.f
91	291871	-311541.1413	988417.3170250766	39.5844549332113	-11.9041575	505885.5788054094	4385667.168	3711.853298249987	3494.941212465177	343.891086642951	343.863790494271	61.051258222662	61.0772149790647	
92	291872	-310881.1413	988417.3170250766	39.58447591	-11.90181474	507678.6598511887	4385663.03957508	3708.5621327365578	3494.8602713667487	340.8607482708194	340.84909203	62.5215337	62.57306495278676	
93	291873	-310221.1413	988417.3170250766	39.58462371424251	-11.8984773	508827.7422735022	4385658.911226849	3708.27186227171	3491.8221139	343.8706909116689	343.8706917694317	63.1253876968112	63.1253876968112	
94	291874	-309561.1413	988417.3170250766	39.58451841720007	-11.8971371	511188.6241653847	4385654.780333353	3701.981138215704	3490.2639294878185	3421.227133656818	342.7213656818	63.92076583900067	63.92076583900067	
95	291875	-308801.1413	988417.3170250766	39.584539565417574	-11.894779	521389.9607118015	4385650.652007378	3698.190570902322	3488.707886767997	3414.915251591841	3414.8767095417816	73.7927378045884	73.7927378045884	
96	291876	-308241.1413	988417.3170250766	39.58456073293061	-11.8924569	521590.0886219367	4385645.65577343	3693.104687182328	3408.041448863543	3407.878495653317	3407.878495653317	79.1132328	79.1132328	
97	291877	-307581.1413	988417.3170250766	39.58458182539134	-11.8901168	521792.0701670378	4385642.39669383	3689.60471681171	3485.065360125813	3400.8927691148565	3400.8927691148565	83.173127913501812	83.173127913501812	
98	291878	-306821.1413	988417.3170250766	39.58460272343112	-11.8877766	521593.1515262516	4385642.37233635	3685.913327069647	3484.064124887707	3394.040651287295	3393.53004501151946	90.02437360040081	90.02437360040081	
99	291879	-306061.1413	988417.3170250766	39.58462371424251	-11.8854365	522194.2284985658	4385641.45231493	3682.531804195962	3388.9214778675918	3388.4285771259284	3387.920525011425	94.10322687866379	94.10322687866379	
100	291880	-305601.1413	988417.3170250766	39.58464453053742	-11.8830944	522395.131025464	4385630.01834705	3681.7259270705584	3481.008919292952	3386.851406005956	341.575092910624	94.212670840811	94.212670840811	
101	291881	-304941.1413	988417.3170250766	39.58466574422737	-11.8807562	522596.3941349156	4385625.891680125	3680.766574668436	3479.9461842558882	3386.625409900558	3387.250476131071	92.84353435533012	92.84353435533012	
102	291882	-304281.1413	988417.3170250766	39.58468660871274	-11.8784161	522797.4745	4385621.76251655	3679.803556280287	3477.94949816463	3386.882405223476	3386.882405223476	89.9123479409862	89.9123479409862	
103	291883	-303621.1413	988417.3170250766	39.58470742973336	-11.876076	522988.5546055859	4385617.639308878	3677.64733822113	3476.505265	3386.788661613134	3386.788661613134	89.224237223286	89.224237223286	
104	291884	-302961.1413	988417.3170250766	39.58472821	-11.8737358	523199.6345245807	4385613.51304974	3676.298626240454	3475.027045	3387.128705900615	3388.904164403287	89.338390068715	89.338390068715	
105	291885	-302301.1413	988417.3170250766	39.58474894	-11.8713957	523400.7114902803	4385609.387284035	3674.967877665979	3473.561084896435	3387.740926073837	3387.740926073837	89.7896989307142	89.7896989307142	
106	291886	-301641.1413	988417.3170250766	39.584769621890316	-11.869056	523601.7935944081	4385605.26171952	3673.59471129662	3472.10802073304	3387.1406715146154	3388.54261162903	84.9673941877837	84.9673941877837	
107	291887	-300981.1413	988417.3170250766	39.58479026267577	-11.8667154	523802.8727549848	4385601.13642426	3665.11143493081	3470.6687115653804	3386.72506014994	3386.72506014994	83.034750553867	83.034750553867	
108	291888	-300321.1413	988417.3170250766	39.58481085712383	-11.8643753	524003.95167272194	4385597.011328437	3663.4348240097237	3469.243285307667	3386.175504266606	3387.268026157028	83.6832623410066	83.6832623410066	
109	291889	-299661.1413	988417.3170250766	39.58483140697509	-11.8620351	524205.0304647738	4385592.88646897	3661.8575264093	3467.83370726243	3385.530452089828	3384.06001785381	82.3032551370495	82.3032551370495	
110	291890	-299001.1413	988417.3170250766	39.584851901162136	-11.8595965	524406.10847777937	4385594.78160906	3660.348619340498	3466.438965612618	3384.943808752172	3382.108443323663	81.459384644653	81.459384644653	
111	291891	-298341.1413	988417.3170250766	39.5848737106255	-11.8573458	524607.1886964324	4385594.637384671	3659.55900495599	3465.064062755957	3384.076795382097	337.6610235728186	80.936445174098	80.936445174098	
112	291892	-297681.1413	988417.3170250766	39.58489275629661	-11.8550747	524808.26049126045	4385593.81137865	3658.84293317824	3463.6369637861395	3383.7129520491526	337.6476190415865	79.965897189693	79.965897189693	
113	291893	-297021.1413	988417.3170250766	39.58491362595105	-11.8527625	525028.3019442713	4385592.783204354	3658.0241038512789	3462.3421038512789	3383.5241038512789	337.6476190415865	79.965897189693	79.965897189693	
114	291894	-296361.1413	988417.3170250766	39.58493347815525	-11.8503344	525210.4020784008	4385592.75452532	3657.019375255752	3461.02717788572	3383.74520303035	3369.9316619311217	79.9291758374659	79.9291758374659	
115	291895	-295701.1413	988417.3170250766	39.58495357755777	-11.8479943	525411.49729841485	4385588.122	3651.6330494858956	3459.7150884965	3383.69193453966	3369.9316619311217	79.9291758374659	79.9291758374659	
116	291896	-295041.1413	988417.3170250766	39.58497398019102	-11.8456541	525612.574276788	4385584.61815254	3649.804190514126	3458.425412117717	3379.2105824148457	3379.2105824148457	87.91142931639115	87.91142931639115	
117	291897	-294381.1413	988417.3170250766	39.5849947841096	-11.8433139	525813.6511367495	4385589.89529784	3647.904784185376	3457.150744007134	3377.3492030197144	3369.99949839306	87.91142931639115	87.91142931639115	
118	291898	-293721.1413	988417.3170250766	39.58501432141555	-11.8409738	526014.7276	4385555.73	3646.151616729857	3455.893307728634	3375.7868265629	3369.5876026132887	80.4946381656421	80.4946381656421	
119	291899	-293061.1413	988417.3170250766	39.58503441921473	-11.8386336	526215.8036505523	4385551.8036505523	3645.67199483255	3454.631085446338	3374.961588145658	3369.5876026132887	80.4946381656421	80.4946381656421	
120	291900	-292401.1413	988417.3170250766	39.58505476	-11.8363293	526416.87877915	4385547.82762027	3644.5719271927	3453.96873324299	3374.961588145658	3369.5876026132887	80.4946381656421	80.4946381656421	
121	291901	-291741.1413	988417.3170250766	39.58507444	-11.8339633	526617.9556116312	4385543.4054379	3647.451071320515	3452.221889709433	3374.2212352704832	3369.5876026132887	80.4946381656421	80.4946381656421	
122	291902	-291081.1413	988417.3170250766	39.58509444137961	-11.8316132	526819.0314800427	4385539.2834641	3648.336641230665	3451.028967	3363.84356971309	3363.84356971309	87.91142931639115	87.91142931639115	
123	291903	-290421.1413	988417.3170250766	39.585114383569	-11.829273	527020.106476438	4385535.161721914	3648.66250389776	3449.844847038541	3360.714295069038	3359.6169034851	81.305519690514	81.305519690514	
124	291904	-289761.1413	988417.3170250766	39.5851342012858	-11.8269328	527221.1815293913	4385540.40206241	3648.428665407716	3448.76873789019	3358.407051289126	3358.407051289126	92.005879008159	92.005879008159	
125	291905	-289101.1413	988417.3170250766	39.5851540669468	-11.8245927	527422.25624215004	4385545.9180678	3648.194826591488	3447.496758080438	3355.082821218588	3353.285161282431	92.005879008159	92.005879008159	
126	291906	-288441.1413	988417.3170250766	39.58517383055105	-11.8222525	527623.3201942713	4385547.791234349	3647.96238144838	3446.3211085446338	3351.52411632654	3349.70117232104	94.066916405739	94.066916405739	
127	291907	-287781.1413	988417.3170250766	39.58519324209846	-11.8199123	527824.4025492905	4385546.78695315	3647.021762402794	3445.7075368028727	3349.70117232104	3349.70117232104	94.066916405739	94.066916405739	
128	291908	-287121.1413	988417.3170250766	39.58521326515886	-11.8175722	528025.4793406143	4385545.59656785	3645.326034343129	3444.019039	3344.1514272944846	3342.2198957273097	90.96761159	90.96761159	
129	291909	-286461.1413	988417.3170250766	39.585231090211	-11.815232	528226.531390325	4385540.4356734	3643.64134739214	3442.8801738305	3342.9521323439	3339.9521323439	90.96761159	90.96761159	
130	291910	-285801.1413	988417.3170250766	39.58525251143955	-11.8128918	528427.62861684102	4385536.31758752	3641.9686547405604	3441.75400526248	3337.5608212274064	3337.5608212274064	90.96761159	90.96761159	
131	291911	-285141.1413	988417.3170250766	39.58527206671138	-11.8105517	528628.7006	4385502.196	3639.28966022108	3440.764555251711	3335.1024360114056	3334.688417390334	90.96761159	90.96761159	
132	291912	-284481.1413	988417.3170250766	39.58529158	-11.8082115	528829.73335416	4385498.07690947	3638.61102812846	3439.539687115578	3333.03768738414	3332.6114223140402	90.96761159	90.96761159	
133	291913	-283821.1413	988417.3170250766	39.58531591161696	-11.8059332	529029.7914181696	4385493.4868219	3637.468821786549	3438.46821786549	3331.94113125374	3331.94113125374	90.96761159	90.96761159	
134	291914	-283161.1413	988417.3170250766	39.5853306130507	-11.8035312	529231.9180143522	4385493.4868219	3636.251762402794	3437.37771168686	3330.768228535585	3330.768228535585	90.96761159	90.96761159	
135	291915	-282501.1413	988417.3170250766	39.58534983603844	-11.801191	529432.99132775192	4385485.781234769	3625.424619182124	3436.361752975358	3326.2105066514512	3325.35449312249	110.1062463120686	110.1062463120686	
136	291916	-281841.1413	988417.3170250766	39.58536916534027	-11.7985058	529634.0635167544	4385480.59306055	3623.44491948094	3435.26783768994	3323.346892368157	3323.346892368157	110.1062463120686	110.1062463120686	
1														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen	W.Lt	BREIveLogKrg.ft	BREIveBothKrg.ft	SatHtKlog.ft	SatHtBoth.ft
217	219	21997	-223881.1413	988417.3170250766	39.58678470632351	-01.60992926	75920.14113856014	3385148.71448889	3501.8158170978386	334.6696103366053	3209.5028411232943	3198.68543749951	15.9376923131104	156.01171528666454
218	219	21998	-227271.1413	988417.3170250766	39.586800326612284	-01.6066823	77621.1945511906	3385146.41333878	3500.439137	3353.091450482527	3207.284744	3196.166051673846	145.8067057625553	156.925398396412
219	219	21999	-227061.1413	988417.3170250766	39.58681589269526	-01.604612	77632.2774484935	3385140.531811438	3501.48177063877963	3351.48177063877963	3206.00671322143	3198.0777063877963	146.78003398412	155.384013774022
220	220	22000	-226401.1413	988417.3170250766	39.58683143756333	-01.6022718	77653.2070771494	3385144.413308081	3503.449413279794	3349.963602557208	3202.589621294233	3197.43546604901	147.274309584591	148.7163038
221	220	22001	-225741.1413	988417.3170250766	39.58684662422553	-01.5999315	77672.35347048263	3385132.33624689	3505.915167776306	3348.239821244102	3201.141835	3201.0437543168083	147.0979680163204	147.1960759227238
222	220	22002	-225081.1413	988417.3170250766	39.586862355678854	-01.5975912	77695.4060034504	3385128.21365637	3508.38090274178	3346.610321710778	3199.8383974009294	3200.245266419278	147.71924300846	146.3650529130545
223	220	22003	-224241.1413	988417.3170250766	39.586877716192321	-01.595251	77716.4583168253	3385124.11525904	3506.872091280547	3344.970670885705	3198.505784850923	3199.611331649048	146.4702822176473	145.7345341952228
224	220	22004	-223761.1413	988417.3170250766	39.5868931295861	-01.5929107	77737.5211018129	3385110.51312523	3501.388833871544	3343.338110477943	3197.2493546704977	3198.0485623259744	146.0897580475198	145.3190481519824
225	220	22005	-223101.1413	988417.3170250766	39.58691487849854	-01.5906704	77758.25526	3385115.916	3505.95048549776	3341.887565542788	3196.234315449856	3200.258185735714	145.4733401787538	145.478121469616
226	220	22006	-222441.1413	988417.3170250766	39.5869236400236	-01.5882301	77778.6139414513	3385117.8155534	3490.421595524377	3340.56719184933	3195.567574824357	3201.732331841937	144.4529343269717	138.3245000746992
227	220	22007	-221781.1413	988417.3170250766	39.5869388481066	-01.5858898	77790.6553765141	3385107.19009678	3484.759982137734	3338.491920051652	3195.68217016879	3204.647222985935	142.7369003477302	133.7763023505864
228	220	22008	-221121.1413	988417.3170250766	39.58695405050986	-01.5835496	77813.7165971404	3385103.62086472	3478.92045242823	3336.78476371273	3195.70483505357554	3201.618162657084	141.0798358151738	127.73285735156423
229	220	22009	-220461.1413	988417.3170250766	39.58696918999996	-01.5812093	77832.7675971586	3385098.52258913	3473.08073631194	3335.1553418411	3196.201501221894	3214.869682111592	138.85091490619447	120.28567597258168
230	220	22010	-219801.1413	988417.3170250766	39.58698427	-01.578869	77853.818371915094	3385095.425	3467.241708739905	3333.511534291907	3196.1312813036097	3221.8531542493207	137.40023406834098	111.9481729
231	220	22011	-219141.1413	988417.3170250766	39.58699934035266	-01.5765287	77873.848884919835	3385092.327052897	3463.990123247873	3331.9145436630267	3195.4398470427503	3227.845852971468	136.7769520929638	104.0869698915586
232	220	22012	-218481.1413	988417.3170250766	39.58701429371525	-01.5741884	77893.918289505	3385087.22062029	3463.327026851113	3330.35066633462	3193.907453435276	3228.77313132235	136.3982131281864	93.353354122719
233	220	22013	-217821.1413	988417.3170250766	39.58702923786856	-01.5718482	77918.96941828285	3385079.31409969	3462.6553462484	3328.706204010332	3191.7515070426784	3217.40730573272	136.954113383548	81.235263099111
234	220	22014	-217161.1413	988417.3170250766	39.5870441381263	-01.5695979	77938.3193973124	3385070.93425251	3462.003436056563	3327.114728781793	3189.223056833211	3206.29045753527	137.008604549732	70.4202921518132
235	220	22015	-216501.1413	988417.3170250766	39.5870588990547426	-01.5671766	77959.3060240611	3385074.9386572	3461.87683972567	3325.53265576306	3186.7342127148656	3196.89646033069	138.8004185487025	62.8361054973688
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239	220	22019	-213861.1413	988417.3170250766	39.5871178533909	-01.557864	78035.265634285	3385059.35824107	3463.130475889913	3319.25464882578	3176.458428609518	3182.73211554929	133.258143409925	32.3287413409925
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246	220	22026	-209241.1413	988417.3170250766	39.587217871556	-01.5414244	78177.5014039091	3385029.8889316255	3466.718117898927	3308.18347690387	3175.8917870951	3176.719671334741	132.2852769091	10.432719648684
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249	220	22029	-207261.1413	988417.3170250766	39.5872621958498	-01.5344035	78233.7416227164	3385017.607	3452.88144199237	3303.252431132714	3173.252527	3172.095420540289	130.7299041208039	7.1150105924274
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260	220	22040	-200001.1413	988417.3170250766	39.58741584021646	-01.5086601	78455.2415204951	3384971.95165648	3415.31372772037	3283.931449658495	3154.25271246384	3149.621312530293	131.6987438356212	0.2313132737378
261	220	22041	-199341.1413	988417.3170250766	39.58742931910503	-01.5063198	78476.285641987	3384968.501	3411.4288678581935	3282.114				

ix	iy	ic	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKrg.	BRIEVEBothKrg.	SatHtthoKrg.	SatHtBoth.
334	298	22023	-145221.1413	988417.3170250766	39.58839709	-01.314417	301251.2027930069	4384833.796589064	3356.1229423854024	3161.165741358513	3046.615312073982	3044.0902345668085	144.5504292845322	117.075050770661
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345	298	22025	-143801.1413	988417.3170250766	39.58841682695675	-01.3097209	301653.257144658	4384831.683723999	3350.7913867769378	3158.432148918852	3046.21922052123	3040.256875656794	112.210271282904	113.716115351801
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347	298	22027	-142581.1413	988417.3170250766	39.58843651816039	-01.3050562	302055.3106788718	4384817.50736257	3345.3027307556784	3155.760998139897	3043.825403342454	3036.2344718620407	111.9255578656177	122.563747732945
348	298	22028	-141921.1413	988417.3170250766	39.5884462308181	-01.3027098	302256.3371652119	4384613.43670114	3340.643791503573	3154.432971082822	3042.6993360868346	3034.4796284004576	111.71736349956876	119.61525278428518
349	298	22029	-141261.1413	988417.3170250766	39.58845596	-01.3003964	302457.363459071	4384609.366350446	3338.1284054450358	3153.087589350446	3041.479628136757	3030.520202161715	111.6079742133689	122.563747732945
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352	298	22032	-139281.1413	988417.3170250766	39.58848470044729	-01.2933483	303050.4417617785	4384597.152	3324.741321119345	3148.75958312813853	3037.1856862025773	3025.434454417034	111.6101551	123.3599834037875
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355	298	22035	-137301.1413	988417.3170250766	39.588513211594815	-01.2863272	303663.511590808	4384584.94054466	3316.346340710917	3144.52967319615425	3031.216054549388	3019.529671535895	113.47627712121545	125.1626548
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382	298	22062	-119481.1413	988417.3170250766	39.5887506916041	-01.2231367	309100.123300367	4384475.13457567	3294.020156717068	3112.188997336289	3000.6410958635617	2989.675688115202	128.9584740173818	128.9584740173818
383	298	22063	-118821.1413	988417.3170250766	39.58875885165153	-01.2207963	309292.1437621851	4384471.067551041	3293.44709729841	3111.050579335543	3000.953823988164	2975.707055929305	116.1124273829738	130.2957112726758
384	298	22064	-118161.1413	988417.3170250766	39.588766930041	-01.2184559	309483.1634071035	4384467.03366659	3293.621352239895	3109.394353557785	3000.510873136362	2977.933658791515	114.728523242124	130.0571956627167
385	298	22065	-117501.1413	988417.3170250766	39.58877506930041	-01.2161845	309679.1634071035	4384458.105474813	3293.44709729841	3108.1278145454	3000.953823988164	2975.707055929305	116.1124273829738	130.2957112726758
386	298	22066	-116841.1413	988417.3170250766	39.58878306784921	-01.2137751	309895.2021384565	4384453.76174121	3293.44709729841	3107.656570793735	3000.72023278366	2975.707055929305	116.1124273829738	130.2957112726758
387	298	22067	-116181.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SurfBoth.kg.ft	SatBoth.ft
469	20249	-62061.14133		988417.3170250766	39.58829168	-101.0195206	326579.1738182696	438412.39910215	3064.485362069073	2995.777841357725	2920.99675928069	2920.792036467502	74.7808260270329	74.98554786827056
470	20250	-61401.14133		988417.3170250766	39.58926591305627	-101.0171802	326780.1718995625	438418.35424390	3068.272375487065	2994.11592396385	2913.544702092125	2911.7489310249634	75.1662237946528	82.36239264
471	20251	-60741.14133		988417.3170250766	39.58930209678044	-101.0148598	326881.16241259734	438419.3489977156	3082.413498977156	2992.44581	2913.284324549457	2912.1964004846696	75.82718705721464	82.2492046091056
472	20252	-60081.14133		988417.3170250766	39.58930243307488	-101.0124983	327182.1864571154	438419.1067	3085.751515100726	2990.765314564534	2915.1253961603407	2916.6589163823375	76.11864100861854	76.11864100861854
473	20253	-59421.14133		988417.3170250766	39.58930832861262	-101.0101589	327383.19033360947	438416.0212734953	3102.86236028549653	2983.1233768740784	2917.504552878529	2917.064675198378	76.1887968654918	72.06860177534054
474	20254	-58761.14133		988417.3170250766	39.58931237670412	-101.0078185	327584.19404215016	438412.177944881	3115.942691	2987.4891456603458	2919.894226752277	2919.548706156516	76.59251891	67.9403905
475	20255	-58101.14133		988417.3170250766	39.58931637958194	-101.005478	327785.1975828929	438408.134375479	3122.673052601821	2985.85447765773305	2922.125900088015	2921.871701273305	76.72857758892509	63.98276738435411
476	20256	-57441.14133		988417.3170250766	39.58932034	-101.0031376	327986.2009653166	438409.01026746	3124.074729	2984.22632832763	2923.721047625097	2923.5458303938805	80.0502225052345	60.680398988261
477	20257	-56781.14133		988417.3170250766	39.589324496566	-101.0007972	328187.16241259734	438409.074898667	3126.44727512828	2982.8950648010213	2923.9175844038054	2923.753358	80.875807721464	82.2492046091056
478	20258	-56121.14133		988417.3170250766	39.58932811953366	-100.9984567	328389.20701230275	438406.04091237	3128.07171339483	2979.989112014563	2922.049157151515	2922.049157151515	81.944549548738	58.9414549548738
479	20259	-55461.14133		988417.3170250766	39.58933138955649	-100.9961163	328589.210073364	4384081.962	3121.673524038973	2979.380938984556	2920.30092620134	2919.303168752446	80.03540138205806	60.0804225200997
480	20260	-54801.14133		988417.3170250766	39.58933571576589	-100.9937759	328790.2127778556	438407.71983292	3112.652133096574	2977.782240440247	2915.92100185894	2915.772601526844	81.6617342543574	62.01032291362504
481	20261	-54141.14133		988417.3170250766	39.58933944736159	-100.9914354	328991.2153176705	438407.91992579	3116.93421260262	2976.1885538739693	2912.330938109052	2912.330938109052	81.8675167491723	64.0642896
482	20262	-53481.14133		988417.3170250766	39.58934313743576	-100.989095	329192.21769032101	438407.513512209493	3117.5013712209493	2974.601366906894	2908.617169956517	2908.40213569093	82.9629673417235	66.19900110159637
483	20263	-52821.14133		988417.3170250766	39.58934677491185	-100.9867546	329393.2196909096	438406.793763528	3118.073400659096	2973.717265182221	2904.8490944102555	2904.8490944102555	82.9629673417235	66.19900110159637
484	20264	-52161.14133		988417.3170250766	39.5893503706939	-100.9844141	329594.221937451	438405.752179145	3119.22009661202	2971.439498582142	2901.08737520819	2900.69028514205	83.1251233732256	67.74120907
485	20265	-51501.14133		988417.3170250766	39.5893539621607206	-100.9820737	329795.228127308	438405.711	3096.6027	2969.26677940519	2901.019153764744	2901.1074944038	84.06722564038	68.7584335421214
486	20266	-50841.14133		988417.3170250766	39.58935742713427	-100.9797333	329995.252523757	438403.659647141	3096.101907874116	2968.29471560331	2901.0356934044394	2901.758135050785	86.26174115899184	65.531230552273
487	20267	-50181.14133		988417.3170250766	39.58936087447458	-100.977328	330197.2270667086	438404.682571718	3096.6569150439745	2966.732240218575	2900.5452385622348	2902.047293731673	86.18700156549027	64.849464890194
488	20268	-49521.14133		988417.3170250766	39.58936431025417	-100.9750524	330398.2284615555	438405.588057071	3095.73428776458	2965.170351348746	2900.041278755247	2902.1838042738163	86.1920753294313	82.9685470749461
489	20269	-48861.14133		988417.3170250766	39.589367672432964	-100.972712	330599.229660703	438404.517469923	3095.07540599927	2963.6113913692143	2988.048511037182	2901.934819	86.5628093203226	61.6785723254139
490	20270	-48201.14133		988417.3170250766	39.589371	-100.9703715	330800.2307106337	438403.507309621	3100.7548542510592	2962.055024695923	2987.225561074279	2901.36629694564	84.9246373	60.680398988261
491	20271	-47541.14133		988417.3170250766	39.58937497656328	-100.9680181	331001.2283969817	438402.463196816	3098.594130778964	2961.078697137784	2987.690197292737	2901.36629694564	84.9246373	60.680398988261
492	20272	-46881.14133		988417.3170250766	39.589375100776	-100.9656907	331202.2323714561	438402.424745028	3100.07197673152	2958.934157527682	2985.726575870327	2901.105410540346	83.2106069898554	61.02715524233635
493	20273	-46221.14133		988417.3170250766	39.589380698938436	-100.9633502	331403.2287475755	438405.387851914	3104.07485383164	2957.279995221858	2984.101477516764	2901.672565874489	83.2106069898554	61.02715524233635
494	20274	-45561.14133		988417.3170250766	39.58938343653344	-100.9610098	331604.233266273	438402.34847317	3105.02295	2956.0048995016816	2982.565991770957	2901.672565874489	83.2106069898554	61.02715524233635
495	20275	-44901.14133		988417.3170250766	39.589386842584	-100.9586693	331805.233941823	438401.3309316028	3104.32754254643	2954.230376234079	2981.284146079697	2901.672565874489	83.2106069898554	61.02715524233635
496	20276	-44241.14133		988417.3170250766	39.589399956477	-100.9563289	332006.233647135	438401.3309316028	3104.32754254643	2954.230376234079	2981.284146079697	2901.672565874489	83.2106069898554	61.02715524233635
497	20277	-43581.14133		988417.3170250766	39.5894039832254	-100.9540358	332207.2366182	438400.3309316028	3104.32754254643	2954.230376234079	2981.284146079697	2901.672565874489	83.2106069898554	61.02715524233635
498	20278	-42921.14133		988417.3170250766	39.589407967345	-100.951648	332408.23208443	438399.3309316028	3104.32754254643	2954.230376234079	2981.284146079697	2901.672565874489	83.2106069898554	61.02715524233635
499	20279	-42261.14133		988417.3170250766	39.589413988453276	-100.9493076	332609.2327860534	438399.3309316028	3104.32754254643	2954.230376234079	2981.284146079697	2901.672565874489	83.2106069898554	61.02715524233635
500	20280	-41601.14133		988417.3170250766	39.589417706679	-100.9469672	332810.2322011009	438397.11638452	3093.024948842734	2946.34439073502947	2983.55964255517	2982.047332592437	84.76479652	64.29608501838284
501	20281	-40941.14133		988417.3170250766	39.5894205843899	-100.9446267	333011.2314537885	438397.07900015	3091.0411540171526	2944.763497100676	2982.13328878863	2982.72605908984	84.76479652	64.29608501838284
502	20282	-40281.14133		988417.3170250766	39.5894236649471	-100.9422863	333212.230644274	438398.01438016	3093.024948842734	2946.34439073502947	2983.55964255517	2982.047332592437	84.76479652	64.29608501838284
503	20283	-39621.14133		988417.3170250766	39.58941010337919	-100.9399459	333413.2295728428	438395.0398959	3088.021299744154	2941.5939434542754	2982.047332592437	2982.047332592437	84.76479652	64.29608501838284
504	20284	-38961.14133		988417.3170250766	39.5894127056306	-100.9376254	333614.2283969817	438396.0611133	3086.22163812154	2940.01192814152	2981.670197292737	2901.36629694564	84.9246373	60.680398988261
505	20285	-38301.14133		988417.3170250766	39.58941514530605	-100.935265	333815.2365920221	438397.6293627	3088.021299744154	2941.5939434542754	2982.047332592437	2982.047332592437	84.9246373	60.680398988261
506	20286	-37641.14133		988417.3170250766	39.58941804278153	-100.9329245	334016.2254	438397.28913304	3086.479819413821	2936.7965297467	2975.13269858167	2975.13269858167	84.9246373	60.680398988261
507	20287	-36981.14133		988417.3170250766	39.58942085818585	-100.9305841	334217.2236718907	438398.5861604	3084.77891209133	2935.18430264721	2973.582626454942	2973.582626454942	84.9246373	60.680398988261
508	20288	-36321.14133		988417.3170250766	39.589423109641785	-100.9282437	334418.2217938477	438396.42026149	3076.95397016348	2933.562482400265	2972.0621254149205	2972.0621254149205	84.9246373	60.680398988261
509	20289	-35661.14133		988417.3170250766	39.5894257525109	-100.9259032	334619.219590545	438396.78425439	3074.52177617162	2931.318198	2970.52177617162	2970.52177617162	84.9246373	60.680398988261
510	20290	-35001.14133		988417.3170250766	39.58942799564546	-100.9235628	334820.217553639	438396.78425439	3074.52177617162	2931.318198	2970.52177617162	2970.52177617162	84.9246373	60.680398988261
511	20291	-34341.14133		988417.3170250766	39.5894309832254	-100.9212819	335021.2267774747	438396.78425439	3074.52177617162	2931.318198	2970.52177617162	2970.52177617162	84.9246373	60.680398988261
512	20292	-33681.14133		988417.3170250766	39.58943270770574	-100.9198189	335222.2176763024	438397.67362346	3065.469920455127	2926.9743521527	2968.269738470622	2971.1241468438	83.2106069898554	61.02715524233635
513	20293	-33021.14133		988417.3170250766	39.5894348554963	-100.9165415	335423.2049970526	438394.642172298	3055.80137696465	2925.2960173248075	2966.0788500548615	2964.975827560958	83.2106069898554	61.02715524233635
514	20294	-32361.14133		988417.3170250766	39.589437250938	-100.914201	335624.2071578366	438394						

ix	iy	x	Yr	Latitude	Longitude	UTM_X	UTM_Y	SurfElev	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHtKlog.f	SatHtBoth.f
595	220375	21798.8586770335	198417.3170250766	39.58946847	-100.7246522	351904466	4383614.50562461	2941.4693764210438	2780.8386020552465	2748.8590903420374	2733.891605025289	64.9769297129318	69.9441502099573
596	220376	21798.8586770335	198417.3170250766	39.58946700422237	-100.7222848	3521054057	4383610.48989328	2919.236318057587	2803.2032614001364	2748.0403862889551	2729.179638726896	55.1584613057847	74.00529175128476
597	220377	22018.8586770335	198417.3170250766	39.589456456218678	-100.705917	3535123401355426	4383592.73627017	2915.2978653390474	2802.94716803171	2747.082544431416	2730.291890664032	55.80154103345	72.648619673325
598	220378	220378.8586770335	198417.3170250766	39.589463526767	-100.7170393	3520074918654902	4383591.9455491032	2914.765275178186	2801.965874115325	2745.9253709063464	2734.091410872898	55.904076518934	77.4448572901403
599	220379	22378.8586770335	198417.3170250766	39.58946232891398	-100.7152634	3527084041943012	4383598.4392109490	2913.745133272555	2801.1552997816993	2744.2647075223585	2735.975561179119	56.8903925934079	65.179368205903
600	220380	24398.8586770335	198417.3170250766	39.5894680005713	-100.712923	352909.388302937	4383570.432116664	2913.919208155272	2800.4108867538	2742.1467906645453	2736.332977804186	58.2632982	64.0772110629106
601	220381	25058.8586770335	198417.3170250766	39.58945889859054	-100.705826	353110.3724488045	4383590.407333695	2914.108857592899	2799.6251672342223	2739.474433862153	2735.756130831987	60.127324880071	63.8690140325238
602	220382	25178.8586770335	198417.3170250766	39.589457446690834	-100.7082421	353311.3563624938	4383586.391720658	2914.293702026067	2798.742500779823	2738.6501519573038	2737.27400583102	62.14400921651006	64.5912915481518
603	220383	25378.8586770335	198417.3170250766	39.58945546218678	-100.705917	3535123401355426	4383592.73627017	2915.2978653390474	2802.94716803171	2747.082544431416	2730.291890664032	55.80154103345	72.648619673325
604	220384	27038.8586770335	198417.3170250766	39.5894532446675	-100.7035212	353713.3237674213	4383576.351152938	2916.123586	2797.9473931157	2739.398151738163	2727.2594045350273	56.57890737162	70.7533205565148
605	220385	27698.8586770335	198417.3170250766	39.589457175362	-100.701208	353914.307258338	4383574.364198415	2908.949	2795.951405873488	2727.4009032301564	2726.687159818388	58.5424215433116	68.2642910507387
606	220386	28038.8586770335	198417.3170250766	39.5894483739096	-100.6988084	354115.2900649623	4383570.31463439	2906.7744787	2794.8641944123942	2724.6394858642516	2724.1988252780785	70.224776854814264	70.6659718343157
607	220387	29018.8586770335	198417.3170250766	39.5894477203116	-100.6965399	354326.173810517	4383570.684719985	2902.61545337143	2792.6149430209466	2721.7798986	2717.66779454	71.89585324133848	
608	220388	29678.8586770335	198417.3170250766	39.58944581457435	-100.694195	354517.2568877014	4383562.30250208	2896.474730779586	2792.435763277695	2719.970700886556	2719.651763	72.7836136831032	
609	220389	30398.8586770335	198417.3170250766	39.58944398596983	-100.69189	354718.2981649574	4383556.28895795	2893.0239807781	2791.072864524824	2717.544987377537	2717.25717448206883	73.553277127148721	73.8205136819834
610	220390	30998.8586770335	198417.3170250766	39.5894170466275	-100.689518	354919.220256872	4383554.274719813	2884.190322446904	2789.616797824332	2715.260587821078	2714.769107747844	74.34721000325408	74.8476907540765
611	220391	31658.8586770335	198417.3170250766	39.5894358546521	-100.6871782	355120.2052515126	4383560.261487182	2886.80426479668	2788.45465408975	2712.6501980617626	2712.715374808543	75.3952636	75.900984034918
612	220392	32318.8586770335	198417.3170250766	39.5894373072346	-100.6848377	355321.1877650913	4383564.24766334	2886.18551010698	2786.360240376575	2709.842481560234	2710.4933785854907	76.57175882	77.00636179108278
613	220393	32978.8586770335	198417.3170250766	39.5894351308819	-100.6824973	355522.170371813	4383542.23465411	2859.5629938459	2784.558739046876	2706.590976	2706.295790545721	77.96776425139751	78.26289
614	220394	33638.8586770335	198417.3170250766	39.58943284852304	-100.6801586	355723.1526273235	4383540.21248623	2840.940213684752	2782.604213684752	2703.291859165883	2703.124602	78.34835452	79.49761160389244
615	220395	34298.8586770335	198417.3170250766	39.5894305245198	-100.6778164	355924.134459834	4383534.280276752	2845.13645081415	2780.65048978364	2699.90412653318	2699.766048521431	80.7012224317666	80.8447031549439
616	220396	34958.8586770335	198417.3170250766	39.589428149176034	-100.675476	356215.1164173284	4383530.19877648	2842.159013685856	2778.455933491724	2698.244779175244	2698.1992250132458	82.212053162248	82.2633631594905
617	220397	35618.8586770335	198417.3170250766	39.58941277166821	-100.673091	356509.289622168	4383524.16589774	2838.650214589164	2776.94129392996	2697.4905781198	2697.153112531	83.5216112531	83.57681112531
618	220398	36278.8586770335	198417.3170250766	39.5894232895549	-100.6707951	356527.079090271	4383522.171760572	2838.17983547432	2773.42848845765	2689.0270524289645	2689.01967842617	84.7950416180044	84.8205011615032
619	220399	36938.8586770335	198417.3170250766	39.5894206102891	-100.6684546	356728.0144534296	4383518.15988336	2835.530130479732	2771.354107284327	2686.380596507166	2686.281496808765	85.94004763	85.06316047364317
620	220400	37598.8586770335	198417.3170250766	39.5894182788464	-100.6661142	356929.0248651193	4383514.14822114	2837.21672899323	2768.76680431768	2685.256718379365	2685.0617100872596	83.212496631748	83.707959581716
621	220401	38258.8586770335	198417.3170250766	39.5894156095341	-100.6637378	357130.2401100996	4383510.361787274	2836.2902082019597	2766.10095488391	2686.2920208195997	2686.9777141439217	79.8089341879144	80.1232048446936
622	220402	38918.8586770335	198417.3170250766	39.5894129695697	-100.6614333	357331.0052360423	4383506.12554848	2840.59865740335	2763.345738	2690.117424098452	2689.9894701700865	73.228139027639	73.3609007
623	220403	39568.8586770335	198417.3170250766	39.589410277714882	-100.6590829	357531.9882248147	4383502.114568774	2843.72737051921	2760.514299352247	2690.22016	2689.8869	74.2848392914686	74.6273802916464
624	220404	40218.8586770335	198417.3170250766	39.5894075758802	-100.6565754	357732.105776333	4383498.103716613	2846.1510376333	2757.61922804106	2689.4905781198	2689.7165721808186	75.12381985765841	75.410457072224077
625	220405	40898.8586770335	198417.3170250766	39.5894047387683	-100.654412	357933.9477914035	4383494.03200825	2852.960915496838	2754.6692397248296	2706.46538621304	2707.9711065481142	74.20386305979652	74.6981327
626	220406	41558.8586770335	198417.3170250766	39.5894019395475	-100.6520716	358134.928369039	4383490.08254069	2854.95260594378	2751.8295878876	2700.47043637142	2700.911908060105	75.5526554217389	75.7710380782652
627	220407	42218.8586770335	198417.3170250766	39.5893996991738	-100.6497311	358335.9088114209	4383486.07228351	2859.2285231504034	2748.684944191334	2695.09978872745	2695.563433	76.342655438847	76.53125119213665
628	220408	42878.8586770335	198417.3170250766	39.58939615066154	-100.6473907	358536.8891166812	4383482.06212813	2858.26699256776	2745.7482816668	2690.7487134132134	2691.1284749880438	55.001147135365475	54.6213517882439
629	220409	43538.8586770335	198417.3170250766	39.589393195011115	-100.6450503	358737.869265118	4383478.653	2857.251470799132	2743.711658942834	2688.906033321947	2687.264014608985	56.2183272323613	55.8653150842819
630	220410	44198.8586770335	198417.3170250766	39.5893911877074	-100.6427708	358938.942011322	4383474.0362875	2856.25464868946	2740.891501461415	2688.260957734135	2687.493717892467	57.63054637272809	57.74638198383275
631	220411	44858.8586770335	198417.3170250766	39.589387192912944	-100.6403694	359139.8293182074	4383470.034413546	2854.052084	2738.8101903878	2687.580933017555	2687.76378678128	59.22917737013555	59.1664067145065
632	220412	45518.8586770335	198417.3170250766	39.589384043521534	-100.638029	359340.8089091925	4383466.02538654	2850.693593512836	2736.75897900619	2675.767987228095	2675.653258	60.9900777389354	61.10072084124886
633	220413	46178.8586770335	198417.3170250766	39.5893809260123	-100.6356885	359541.7887040557	4383462.01657309	2847.344949646874	2734.711355196074	2673.43577450295	2675.668041826874	61.2755984118478	59.04275101338635
634	220414	46838.8586770335	198417.3170250766	39.5893771646711	-100.633481	359742.7682008934	4383458.07998179	2843.951450402091	2732.67507286501	2674.43048790505	2680.8102441086703	58.33262038799578	58.746418783061
635	220415	47498.8586770335	198417.3170250766	39.58937448511925	-100.631076	359943.774558911	4383452.009097821	2840.39587329003	2730.5953862757387	2674.869501	2681.8893361131163	55.7258857288675	55.8061786622623
636	220416	48158.8586770335	198417.3170250766	39.58937120855794	-100.628672	360144.7267810715	4383449.945147064	2838.72539789016	2728.52558882604	2675.60739535361	2675.6145195024152	47.1974798969253	
637	220417	48818.8586770335	198417.3170250766	39.5893681287074	-100.626393	360346.7267810715	4383447.945147064	2837.72539789016	2727.52558882604	2675.60739535361	2675.6145195024152	47.1974798969253	
638	220418	49478.8586770335	198417.3170250766	39.58936519792944	-100.623963	360546.68428945	4383441.97509428	2836.7328254567	2724.7017560403	2674.665740500783	2678.26148545043	49.7044300330035	46.14201111857892
639	220419	50138.8586770335	198417.3170250766	39.58936167508994	-100.621459	360747.6634569	4383437.96814349	2832.75167944862	2722.787707086054	2674.27124658897	2678.91615147621	48.016524120015674	45.3771556098465
640	220420	50798.8586770335	198417.3170250766	39.									

ix	iy	c	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	AtSthElevs.ft	SatThBoth.ft	
721	228	100501	104258.85867307335	984817	31.70250766	-100.58892744530397	-100.4297313	377227.409293125	43831.1098987238	2719.342722219377	2606.889676	2565.031712200805	2565.69132075071	41.8569639845959	41.19735634469915
722	228	100502	104618.85867307335	984817	31.70250766	-100.58902526039989	-100.4273099	377428.954276146	43831.10656881	2713.8643362591533	2564.47319670925	2565.36071683975	2565.4781722202019	39.93057573869085	40.818147157322049
723	228	100503	105276.85867307335	984817	31.70250766	-100.5891937	-100.426566	37829.427456159	43831.0213059818	2712.080667645642	2563.833815363505	2564.703707610117	2564.703707610117	38.98454074863546	39.98454074863546
724	228	100504	106258.85867307335	984817	31.70250766	-100.58958051492329	-100.4277101	377830.395	4383098.11965835	2713.992436526465	2602.0723387491958	2563.732891819238	39.2474087	38.33930405232626	38.33930405232626
725	228	100505	106808.85867307335	984817	31.70250766	-100.58888951437063	-100.4203696	378031.363807141	4383094.124864728	2715.903920551268	2600.449034037683	2561.7712569212476	2562.7490888621646	38.67778615230974	38.67778615230974
726	228	100506	107558.85867307335	984817	31.70250766	-100.5889116860509	-100.4180292	378232.3173451418	4383094.1553020284	2717.8157934457027	2568.8159063426815	2560.06213854160588	2560.92638005135	38.74565218209274	37.14854217375459
727	228	100507	108218.85867307335	984817	31.70250766	-100.588889737626705	-100.4156888	378483.2996905693	4383086.16294296	2720.49823771905098	2558.1961342823124	2559.7722351905098	2558.1961342823124	38.677188081975	37.83525010885186
728	228	100508	108788.85867307335	984817	31.70250766	-100.5888763143549	-100.4133484	378634.2673115072	4383082.18276754	2723.9524413807025	2595.517231556443	2595.517231556443	2595.7020814844022	39.05867517451836	37.81501200740028
729	228	100509	109538.85867307335	984817	31.70250766	-100.588958960031454	-100.411008	378935.2361889184	4383078.19	2727.406416529296	2593.848959939392	2594.6299634389916	2595.83707610117	39.2181025897122	38.1010863887507
730	228	100510	110198.85867307335	984817	31.70250766	-100.58896133	-100.408676	379026.2024070175	4383074.203	2730.809487116894	2592.164283109574	2593.7219247370777	2593.685051479098	38.4722358630114	38.4722358630114
731	228	100511	110858.85867307335	984817	31.70250766	-100.5888535158497	-100.4063272	379237.1697820909	4383070.21533712	2730.5846187139304	2590.4681187139304	2590.4681187139304	2590.4681187139304	39.99830044715827	39.10947170516085
732	228	100512	111518.85867307335	984817	31.70250766	-100.58884614454254	-100.403968	379438.137	4383062.22839019	2726.389920662496	2588.75419353918	2547.9063161600225	2547.9063161600225	40.84777379142574	39.9829248030132
733	228	100513	112178.85867307335	984817	31.70250766	-100.58883848227838	-100.4016464	379639.14018790067	4383062.24140512	2727.8159715627449	2587.082573893096	2548.623462623429	2548.623462623429	42.3795113966704	41.15811977132
734	228	100514	112838.85867307335	984817	31.70250766	-100.5888307748194	-100.399306	379840.07121290489	4383058.25475831	2718.164981691774	2585.288074270076	2541.4260290867883	2541.4260290867883	40.84778615230974	38.4778615230974
735	228	100515	113498.85867307335	984817	31.70250766	-100.588823022138904	-100.396366	380041.0381359583	4383054.26896976	2718.171884118775	2583.5334306994134	2538.64181536346226	2538.64181536346226	40.84778615230974	38.4778615230974
736	228	100516	114158.85867307335	984817	31.70250766	-100.58881522445415	-100.3946252	380242.043098581	4383050.28190367	2715.17781584321	2581.76445841784	2532.02210226448	2532.02210226448	40.84778615230974	38.4778615230974
737	228	100517	114818.85867307335	984817	31.70250766	-100.58880738113933	-100.3922488	380442.9716	4383046.295047425	2719.9837217160843	2579.9837217160843	2527.1236325984437	2527.1236325984437	40.84778615230974	38.4778615230974
738	228	100518	115478.85867307335	984817	31.70250766	-100.58879949285056	-100.3899444	380643.932033889	4383042.310113336	2716.93243162575	2578.93243162575	2523.3385409363395	2523.3385409363395	40.84778615230974	38.4778615230974
739	228	100519	116138.85867307335	984817	31.70250766	-100.5887915592891	-100.387604	380844.904665437	4383038.344989512	2720.6071660437	2576.39292641881	2518.932507457166	2518.932507457166	40.84778615230974	38.4778615230974
740	228	100520	116798.85867307335	984817	31.70250766	-100.588783580545034	-100.3852636	381045.8710142886	4383034.339101683	2724.5827466911	2574.5827466911	2514.28965392544	2514.28965392544	40.84778615230974	38.4778615230974
1	229	100521	-370941.1431	980077	31.70250766	-100.5841636029971	-102.1147591	32491.2471124034	4382641.00441199	3709.848768985974	3619.1858233688777	3554.92130299225	3554.92130299225	46.26451509972262	73.5313652927948
2	229	100522	-370281.1431	980077	31.70250766	-100.584118899496911	-102.112455	324962.3271268532	4382636.265535225	3694.845972979309	3617.55347467819	3550.8026366071	3545.530799855241	70.2267480276604	70.2267480276604
3	229	100523	-369221.1431	980077	31.70250766	-100.584139344140091	-102.110115	325057.8035143555	4382622.36409861	3692.07373682423	3615.31271932327	3544.58075987362	3544.58075987362	70.2267480276604	70.2267480276604
4	229	100524	-368961.1431	980077	31.70250766	-100.5842396282456	-102.107779	323094.56316941208	4382622.58	3683.5039028604315	3614.307093559358	3552.440012276847	3549.27827895188	61.86705754691214	65.0257010168002
5	229	100525	-368691.1431	980077	31.70250766	-100.5842648798766	-102.105439	323295.667992838	4382619.400433848	3680.94279408739	3613.69379408739	3553.0819133021246	3547.89784674907	58.6118517956566	64.79578042428704
6	229	100526	-367641.1431	980077	31.70250766	-100.584250066214	-102.1030948	323496.772550372	4382620.261242985	3678.4166553154394	3611.0850291099323	3553.86600470718	3549.285032747933	57.21901963214366	61.79999636
7	229	100527	-366981.1431	980077	31.70250766	-100.5843152475596	-102.1007548	323697.8786479714	4382616.11327675	3680.94279408739	3609.4810733769937	3553.0411206918488	3547.89784674907	59.7241258795432	61.79999636
8	229	100528	-366321.1431	980077	31.70250766	-100.5843403434307	-102.0984147	323888.98087821424	4382621.96534611	3687.0291351092337	3607.882167	3555.3369940342705	3551.313120391242	62.3434734	65.360585127608156
9	229	100529	-365661.1431	980077	31.70250766	-100.58439640722943	-102.0960747	324100.4645650506	4382627.818017087	3689.5478845629945	3605.2885227192867	3555.1811646700712	3555.1811646700712	61.86705754691214	65.0257010168002
10	229	100530	-365021.1431	980077	31.70250766	-100.58439045961118	-102.0937246	324301.18814950928	4382620.76723995	3700.264740109557	3604.70083760805	3553.86305719978	3549.0823457472934	60.5171314249527	65.16733535116
11	229	100531	-364341.1431	980077	31.70250766	-100.58441544019365	-102.091394	324502.2913902463	4382619.35352636	3709.449551605546	3603.1186094566814	3552.94383897178	3548.754154373201	50.6692545680336	54.36445050948051
12	229	100532	-363681.1431	980077	31.70250766	-100.5844057373436	-102.089045	324704.39436782192	4382615.37681108	3721.3842160547607	3601.5824160547607	3550.993035422275	3547.413142476387	50.54962512147914	54.12967267067976
13	229	100533	-363021.1431	980077	31.70250766	-100.58446527	-102.0867144	324904.4928525217	4382619.230191243	3733.121540832174	3599.9759292245	3549.594085941885	3545.902312854574	50.3794932735975	53.63540338399556
14	229	100534	-362361.1431	980077	31.70250766	-100.5844011012715	-102.0843744	325105.59953452243	4382618.07939512	3748.9439833679888	3584.11227808073	3547.7432046478757	3545.902312854574	50.6680231391726	52.50840426045045
15	229	100535	-361701.1431	980077	31.70250766	-100.58451490970098	-102.0820343	325306.701242234	4382618.934274795	3751.8838777527585	3596.86593297137	3546.2254936384662	3545.902312854574	50.3794932735975	51.35331152025098
16	229	100536	-361041.1431	980077	31.70250766	-100.584539640722943	-102.079643	325507.8035143555	4382618.791871087	3754.78191871871	3595.31271932327	3544.58075987362	3544.58075987362	50.3794932735975	51.35331152025098
17	229	100537	-360381.1431	980077	31.70250766	-100.5845637324222	-102.077352	325708.9053166935	4382618.655876	3756.05248482107	3593.778507177704	3543.376942359473	3540.01483538244074	50.601483538244074	50.601483538244074
18	229	100538	-359721.1431	980077	31.70250766	-100.58458093720904	-102.0750141	325910.0072012032	4382619.500457994	3758.02935733794	3592.253733025106	3541.827604499943	3542.20014932762	50.412428052336	50.055718374686
19	229	100539	-359061.1431	980077	31.70250766	-100.58461365597476	-102.0726741	326111.1076196332	4382616.35184822	3760.02111639305	3590.254173627676	3540.18283565226	3540.18283565226	50.6130919724465	50.04719873673412
20	229	100540	-358401.1431	980077	31.70250766	-100.58463829537624	-102.070334	326312.2087422551	4382612.10135334	3761.5500123278016	3589.2413924674	3538.40111874133507	3538.40111874133507	50.8420613332324	50.19967128686291
21	229	100541	-357741.1431	980077	31.70250766	-100.584676789815	-102.067939	326513.3983138268	4382618.05305161	3769.49197282579	3567.75068714637	3536.554862792586	3536.98280476045	50.210299205103	50.7718238919754
22	229	100542	-357081.1431	980077	31.70250766	-100.58468724	-102.0656338	326714.49791949184	4382615.920719007	3771.4458133273965	3568.28024880338	3534.686426368707	3535.161099477907	51.5390596616756	51.11915265342701
23	229	100543	-356421.1431	980077	31.70250766	-100.5847167901206	-102.06338	326915.3983138268	4382615.920719007	3773.49197282579	3569.491972				

ix	iy	c	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevLogsKgf.f	BRIElevBothKgf.f	SatSElevLogsKgf.f	SatBothKgf.f
107	299	220627	-300981.1413	980077.3170250766	39.58660309002596	-101.866742	253807.00819423862	4385802.448918633	3684.9192976455324	3686.993903	3386.935704535427	3385.4859108470932	32.0580985967306	83.507928200662
108	299	220628	-300321.1413	980077.3170250766	39.5866236951245	-101.864408	254008.0866781989	438570.32358513	3667.504074692252	3667.5650485682067	3385.7738245221065	3383.501487130147	81.7912237405924	84.0633798519207
109	299	220629	-299661.1413	980077.3170250766	39.58664423589274	-101.862016	254299.163151098718	438574.198478718	3665.588581692919	3665.15228602045	3386.029371870983	3380.85233635012	81.12220119314275	85.296142793597
110	299	220630	-299001.1413	980077.3170250766	39.586664741166885	-101.8597214	254400.23412510514	438570.9031391515	3663.673628711113	3664.738984622018	3384.234038057668	3379.72998464571	80.519650405671	85.02373062
111	299	220631	-298341.1413	980077.3170250766	39.58668502113479	-101.8573812	254611.32146453788	438575.848926701	3661.80134697286	3663.372536379283	3383.906257095426	3374.2453825731604	79.46622798	89.12715380612235
112	299	220632	-297681.1413	980077.3170250766	39.5867051589643	-101.855041	254812.39917524668	438578.82494761	3659.963860213883	3662.008576824304	3382.931981742015	3367.784734448405	78.096937885	94.2238423772405
113	299	220633	-297021.1413	980077.3170250766	39.586725985451736	-101.8527008	255013.476643567	438577.70277519	3658.136604550209	3660.26255267756	3381.9866171009126	3365.7903076758103	78.496229459	94.872349194859
114	299	220634	-296361.1413	980077.3170250766	39.58674309000695	-101.850306	255214.55387041986	438573.75268975	3656.30494786297	3659.3349041961303	3380.855737099956	3367.6040484354547	78.4791626396543	91.7305096606343
115	299	220635	-295701.1413	980077.3170250766	39.58676658984329	-101.848024	255415.53895513888	438574.45202019	3654.146287597719	3657.479947464127	3380.851704507675	78.4527568470966	78.923550237859	93.823550237859
116	299	220636	-295041.1413	980077.3170250766	39.58678722879425	-101.845602	255616.706	438575.328793942	3653.545156387457	3655.73902211252	3377.25202664337	3368.69736731279	78.47445066	87.037005979321
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119	299	220639	-293061.1413	980077.3170250766	39.586847234358885	-101.838596	256219.9347966618	438572.95687372	3651.177868059173	3652.9671600432116	3371.7718138910795	3364.084874376503	81.195346112006	85.7623016052316
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129	299	220649	-286461.1413	980077.3170250766	39.58704615250568	-101.8160216	258230.67445265198	438574.12365198	3650.331214996673	3641.21187989866	3340.676367158445	3339.85192484875	81.7916119956691	121.632072254668
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132	299	220652	-284481.1413	980077.3170250766	39.58710402	-101.8082367	258833.90289310375	438569.2689656	3645.2524302367	3640.8776255936	3331.571284502726	3331.125425695815	80.967724039318	105.54018954764
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148	299	220668	-273921.1413	980077.3170250766	39.5874103962178	-101.7706128	262051.03712608115	4385633.494	3581.72200938762	3621.91710910944	3301.196684343306	3300.475422792947	80.967724039318	105.54018954764
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150	299	220670	-272601.1413	980077.3170250766	39.5874478	-101.7657108	262453.712645317	4385625.16444818	3569.655376741571	3620.193770611916	3300.716310367045	3300.768402547683	80.967724039318	105.54018954764
151	299	220671	-271941.1413	980077.3170250766	39.5874665304039	-101.763772	262654.2304765181	4385621.14582654	3567.67761636671	3619.3016704				

ix	iy	Xc	Yc	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.	BRELEVbothKrg.	SatHtLogKrg.	SatHtbothKrg.
239	229753	-217821.1413	980077.3170250766	39.58884212347165	-101.5718674	279141.0725557113	4382584.164689799	3457.462686417536	3327.960919802734	3195.498713481167	3222.989742362521	3124.4640484562075	104.9790455621641
234	229754	-217161.1413	980077.3170250766	39.58885702279932	-101.5699271	279342.1243502475	4385280.519269015	3457.334025151815	3326.36414748084	3193.299259694425	3123.03944869116	133.0904158069194	113.34684952686735
238	229755	-216501.1413	980077.3170250766	39.58887167891658	-101.5671867	279643.17429246817	4385276.222291033	3457.661518	3324.615100177795	3190.68354168921	3123.489665151917	134.12785523185846	121.32514384988161
239	229756	-215841.1413	980077.3170250766	39.58886968523299	-101.5646844	279852.12553833841	4385272.125538338	3458.445083543608	3323.264249	3187.907315466203	3195.717031546107	135.693031116646	127.54631731161271
237	229757	-215181.1413	980077.3170250766	39.58891144951906	-101.562506	279945.2726615968	4385268.02903411	3459.22864894987	3321.712208706399	3184.830431061348	3189.944562038477	136.8817776	131.7676466229218
239	229758	-214521.1413	980077.3170250766	39.588916168005206	-101.5601567	280146.3214713134	4385267.34603121	3460.21375553215	3320.16375553215	3182.30478571966	3185.1907764595936	137.84077499601838	134.973730326136
239	229759	-213861.1413	980077.3170250766	39.58893806	-101.5578253	280347.3700479338	4385259.636806873	3461.833582248131	3318.6170194799906	3180.279945362542	3181.763851154887	138.30370717448454	136.96033643645019
239	229760	-213201.1413	980077.3170250766	39.58894546934814	-101.555485	280548.414420818	4385250.74027421	3464.698469179035	3317.070071789528	3179.176650016563	3180.739278133677	137.890325741177	137.0303440803937
241	229761	-212541.1413	980077.3170250766	39.58895052138715	-101.5531466	280749.4660354733	4385251.58101356	3465.582131586766	3315.527157423255	3178.951636826867	3178.96486783894	138.86586001584164	138.5568301584164
243	229762	-211881.1413	980077.3170250766	39.5889545894195	-101.5503403	280950.5145453966	4385247.54982713	3470.426763274483	3313.9670456491166	3177.8721200943028	3177.265445302717	139.06925548138	136.7015234639484
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244	229764	-210561.1413	980077.3170250766	39.58900329436345	-101.5461236	281352.6097947351	4385239.359513611	3467.646698050421	3310.830839518283	3176.4616828120625	3176.164948246232	134.36915976022056	134.6361905765512
245	229765	-209901.1413	980077.3170250766	39.58901793151462	-101.5437832	281553.6571946877	4385231.36471106	3464.838772504038	3309.24239166993	3175.498245915843	3175.78745749678605	137.73493925114973	136.8245910013247
246	229766	-209241.1413	980077.3170250766	39.58903228314925	-101.5414429	281754.704	4385231.70233843	3462.030847002236	3307.638014488313	3174.245153444447	3173.9224858922607	133.3928610346565	135.7155289586036
247	229767	-208581.1413	980077.3170250766	39.58904659990445	-101.5391029	281955.731503762	4385227.19532882	3458.677034042708	3306.071890134016	3173.72267991191	3172.77453241752	132.84562374985495	133.24425918983404
248	229768	-207921.1413	980077.3170250766	39.58906086623155	-101.536762	282156.7978	4385222.98184516	3454.758956986107	3304.3808772504085	3172.50233806514	3171.403531684844	131.8785130894965	133.0714055601417
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252	229772	-205281.1413	980077.3170250766	39.58911747968924	-101.5274007	282960.862905757	4385207.60774236	3441.358648310245	3297.6494971290904	3167.0912633786553	3163.622740446656	130.5582337223508	133.0267727243454
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256	229776	-202641.1413	980077.3170250766	39.58917337	-101.5180393	283765.1633019494	4385179.23703042	3430.94902795678	3290.633016233956	3159.698137	3155.72843	130.0384649400552	134.90450727039352
257	229777	-201981.1413	980077.3170250766	39.589187222500085	-101.5156889	283966.2081	4385186.145124573	3428.106830973682	3288.838642412303	3157.734129088382	3154.783479485913	130.015413252864	134.0516529
258	229778	-201321.1413	980077.3170250766	39.589201043469096	-101.5133586	284167.2561868676	4385182.05326722	3425.219634552682	3287.028620449126	3155.63696595556	3152.584026748575	133.3312394935678	134.4457937632075
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261	229781	-199341.1413	980077.3170250766	39.589242150006296	-101.5063375	284769.3689166674	4385174.79063792	3419.9713475592368	3281.5749729854	3148.28697100712	3145.345723758405	132.2815891889126	135.029489146836
262	229782	-198681.1413	980077.3170250766	39.5892549443363	-101.5039791	284977.4285917234	4385170.8071332	3410.049472303946	3279.74513512023	3145.1895588135246	3143.147749	132.077890983278	135.02269083278
263	229783	-198021.1413	980077.3170250766	39.58926943664795	-101.5016567	285172.470555518	4385161.597328447	3405.70578	3277.918572918655	3141.9947751057275	3139.943311740976	132.9237974813803	137.9776280808975
264	229784	-197361.1413	980077.3170250766	39.58928298	-101.4993163	285373.515068813	4385157.50680817	3400.3450124815158	3276.091781135105	3138.4202714694513	3137.6744064509197	132.0311559490397	139.20311559490397
265	229785	-196701.1413	980077.3170250766	39.58929647473934	-101.496976	285574.55850587644	4385153.41610389	3396.182664601347	3274.268351	3134.4840528275963	3134.0310984160988	132.7842974703385	140.27255158514
266	229786	-196041.1413	980077.3170250766	39.5893093001065	-101.4946356	285765.601182428	4385149.3264351925	3390.0210371699124	3272.4524787461232	3132.0295879683195	3132.4509985780376	140.2569095780376	140.2569095780376
267	229787	-195381.1413	980077.3170250766	39.58932337336645	-101.4922962	285965.648032874	4385145.258625465	3388.1494470365215	3270.4653747320434	3130.915737956407	3130.243581793982	142.7293537466272	140.2569095780376
268	229788	-194721.1413	980077.3170250766	39.5893369454328	-101.4899459	286177.688213917	4385141.146925438	3388.517005431971	3268.949142115754	3129.847215278073	3129.34715278073	134.0849654454227	134.55176143178824
269	229789	-194061.1413	980077.3170250766	39.58935001648853	-101.4876145	286378.7284144354	4385136.075544892	3387.062958	3267.062958	3128.616726079297	3127.4472290093682	132.99583172221037	140.2569095780376
270	229790	-193401.1413	980077.3170250766	39.5893632882241	-101.4852741	286579.77040550537	4385132.96385931	3382.411217397676	3265.288546548078	3127.633725503531	3125.704067405127684	115.1176809825748	135.02269083278
271	229791	-192741.1413	980077.3170250766	39.589376517474482	-101.4829337	286780.781859664	4385128.93973276	3380.2536768274	3263.5264160686193	3124.016994446542	3123.5594967649185	132.5042916	107.56694837410078
272	229792	-192081.1413	980077.3170250766	39.5893987	-101.4805933	286981.8537573905	4385124.790657251	3377.605963055072	3261.777310769162	3121.500827791213	3123.5121858180193	120.27647397854889	108.56542495166805
273	229793	-191421.1413	980077.3170250766	39.58940382315529	-101.478263	287189.9189126527	4385120.932173975	3378.928793072404	3260.041731783978	3121.602138102544	3123.48185662983735	118.43808964137427	108.56542495166805
274	229794	-190761.1413	980077.3170250766	39.58941590134326	-101.4759126	287383.93627758265	4385116.61344491	3380.251800569493	3258.31528907246	3120.89746592156	3123.6624574591167	117.4257442480233	108.56542495166805
275	229795	-190101.1413	980077.3170250766	39.58942801350438	-101.473572	287584.961077664	4385112.428291034	3380.251800569493	3256.394284171	3120.89746592156	3123.6624574591167	117.4257442480233	108.56542495166805
276	229796	-189441.1413	980077.3170250766	39.589441969184538	-101.471218	287786.9712952285	4385108.437270272	3380.251800569493	3254.3813973184034	3120.89746592156	3123.6624574591167	117.4257442480233	108.56542495166805
277	229797	-188781.1413	980077.3170250766	39.58945482443792	-101.4688914	287987.58447933033	4385104.35204475	3383.2545977887468	3252.345977887468	3120.89746592156	3123.6624574591167	117.4257442480233	108.56542495166805
278	229798	-188121.141											

ix	yy	X	Y	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
299	200879	-134661.1413	980077.3170250766	39.5006337994919	-101.2769776	044741.692142203	384769.921144521	3310.9502870505266	33.88.903318285381	3020.608375892205	3009.0249465679987	129.77837171738474	
300	200880	-134001.1413	980077.3170250766	39.50037260060742	-101.2746371	040472.7160656241	384756.951854495	3307.1866658440338	33.87.5126704119804	3016.7899583002276	3006.0287802712837	129.7201206967884	131.45049014862273
301	200881	-133341.1413	980077.3170250766	39.500381716	-101.2722667	040473.7398163682	384761.72688277	3303.4242493433485	33.86.787091071522	3012.2984498045564	3003.787091071522	122.2984498045564	132.4460271984477
302	200882	-132681.1413	980077.3170250766	39.50039710378375	-101.2699562	040503.76738737469	384771.374239853	3299.659423322592	33.84.9647383571428	3009.8712112002804	3002.7559628717025	125.0935717120148	133.5848049771708
303	200883	-132021.1413	980077.3170250766	39.50039993716682	-101.2676158	040525.7867748477	384783.646	3297.0511143814820	33.83.73732825335	3006.251965757384	3000.7833311972713	128.6417675251114	132.92024068256396
304	200884	-131361.1413	980077.3170250766	39.5004085892646	-101.2652753	040546.809276607	384749.577412369	3298.498117489618	33.82.405456770403	3001.286678858927	2999.0589267189957	127.377168845103	133.3640484580458
305	200885	-130701.1413	980077.3170250766	39.500417935472644	-101.2629349	040567.83291650284	384745.509	3294.1451205905537	33.81.3727093158873	2998.375771225211	2998.375771225211	126.3282039896466	132.8282131601431
306	200886	-130041.1413	980077.3170250766	39.5004266660538	-101.2605945	040588.8557152108	384741.441471977	3292.692123659058	33.79.9627828416602	3003.09479898917907	2997.953498028713	126.8792368481955	132.0142175878973
307	200887	-129381.1413	980077.3170250766	39.5004357384576	-101.258584	040609.75813289904	384737.374	3292.14478	33.78.297856811341	3004.346831166424	2997.244981166424	124.9182246498877	131.515898891764
308	200888	-128721.1413	980077.3170250766	39.50044545383037	-101.2559136	040620.9073434637	384733.30418613	3292.029630731813	33.77.51440174562	3005.0059175532576	2996.2357512527128	122.5125252912773	132.1246885247104
309	200889	-128061.1413	980077.3170250766	39.50045338952268	-101.2537391	040641.9229755853	384739.23924454	3292.861193806265	33.76.30883858401	3005.1324021703733	2995.595291	120.713842015106187	130.1730232347914
310	200890	-127401.1413	980077.3170250766	39.50046214	-101.2512327	040662.9504128139	384735.12552510	3293.2194215053934	33.75.115059481844	3004.696391914813	2994.706369	120.4214290337128	130.9680912482944
311	200891	-126741.1413	980077.3170250766	39.50047084526647	-101.2488922	040683.9668337373	384731.70226112	3292.727174567947	33.74.33309131938767	3003.7784014301917	2993.749140912375	120.152511716399748	130.21599910263922
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313	200893	-125421.1413	980077.3170250766	39.5004821015606	-101.244213	040726.0999999304	384712.79656527	3290.041733877398	33.71.3919198	3000.712776558116	2991.240123695316	120.827021252207389	130.3518513887474
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315	200895	-124101.1413	980077.3170250766	39.50050421419552	-101.2395304	040768.0524811248	384704.840714236	3288.652868945228	33.69.212556049157	2997.2767621482135	2998.377170939196	122.00448354567022	130.9094785203215
316	200896	-123441.1413	980077.3170250766	39.50051360332966	-101.23719	040789.07330910066	384700.770011321	3292.903341185418	33.68.13454268372	2996.761781941937	2997.2218377416393	121.3733647714783	130.9171092623267
317	200897	-122781.1413	980077.3170250766	39.500522127376154	-101.2348495	040800.0041109215	384696.71	3296.1358212912615	33.67.9169081110436	2997.075408049893	2984.8751073816224	121.91766006205035	130.767982742123
318	200898	-122121.1413	980077.3170250766	39.50053005	-101.2325091	040821.1146407225	384692.64452942	3294.00428486384	33.66.54325567654	2998.2465541237166	2998.699589	117.6087463343083	131.15684332010547
319	200899	-121461.1413	980077.3170250766	39.500538999702164	-101.230168	040842.1348976483	384688.579	3300.8308153187614	33.64.72413255498	2999.851331815387	2984.9850236507814	117.64272954010218	130.1391070470774
320	200900	-120801.1413	980077.3170250766	39.50054715804492	-101.227832	040863.1555	384684.51470391	3300.4340221724414	33.63.59543205518	2999.430124295486	2984.9850236507814	117.64272954010218	130.1391070470774
321	200901	-120141.1413	980077.3170250766	39.50055611715336	-101.225614	040884.153654464	384680.50915681	3299.14010091427	33.62.7469538254783	2998.513851144272	2984.9850236507814	117.64272954010218	130.1391070470774
322	200902	-119481.1413	980077.3170250766	39.5005633190839	-101.2231473	040905.149404151	384676.35857447	3298.638575166004	33.61.243221130189	2998.04103014455145	2980.064010745835	107.3291936847429	131.2792142560303
323	200903	-118821.1413	980077.3170250766	39.50057178178967	-101.2208068	040926.2145020697	384672.917278376	3298.9147367154974	33.60.5948224047197	2997.6742720540472	2980.064010745835	107.3291936847429	131.2792142560303
324	200904	-118161.1413	980077.3170250766	39.50057899277195	-101.2184664	040947.2339135592	384668.25914955	3297.8464679327	33.59.108295704516	2997.2767621482135	2998.377170939196	122.00448354567022	130.9094785203215
325	200905	-117501.1413	980077.3170250766	39.50058797155094	-101.2161259	040968.2531388256	384664.194276414	3296.8142494385	33.58.103938048215	2996.761781941937	2997.2218377416393	121.3733647714783	130.9171092623267
326	200906	-116841.1413	980077.3170250766	39.5005959861091	-101.2137854	040989.2721780749	384660.130841939	3296.769372172425	33.57.1789969026	2996.09775964321	2982.235616411717	107.7347003038156	124.59616255798574
327	200907	-116181.1413	980077.3170250766	39.5006036495707	-101.211445	041010.2910315116	384656.067837828	3296.12092658717136	33.56.148137806953	2995.148137806953	2982.235616411717	107.7347003038156	124.59616255798574
328	200908	-115521.1413	980077.3170250766	39.5006119709839	-101.2091405	041031.30909139	384652.004655704	3295.104452592471	33.55.20465571793	2994.3496822772707	2981.17340204102626	125.6485112391077	130.1391070470774
329	200909	-114861.1413	980077.3170250766	39.5006198058707	-101.2067641	041052.32818177843	384647.941894356	3295.559595836258	33.54.424660910895	3004.133355161643	2981.578983535861	99.91091102494643	121.86345235710867
330	200910	-114201.1413	980077.3170250766	39.50062765471253	-101.2044236	041073.364704071775	384643.818945484	3297.28791382016	33.53.37023477503	2998.047934589695	2980.9807328398073	95.9191909	121.329990536955
331	200911	-113541.1413	980077.3170250766	39.50063546	-101.2020832	041094.36459126946	384639.817037172	3284.979505	33.52.116740806383	2995.5358281689705	2980.74820281107	97.64031263741238	120.1018587458585
332	200912	-112881.1413	980077.3170250766	39.50064321148021	-101.1997427	041105.382187392	384635.743091646	3292.9746710820648	33.51.3916501206484	2995.9746710820648	2979.436950280627	97.64031263741238	120.1018587458585
333	200913	-112221.1413	980077.3170250766	39.50065092	-101.1974022	041136.4004261325	384631.63986205	3298.944954946058	33.50.849750712276	2998.944954946058	2979.436950280627	97.64031263741238	120.1018587458585
334	200914	-111561.1413	980077.3170250766	39.50065849	-101.1950616	041157.4176201563	384627.631413032	3297.84910091427	33.49.1985146168	2998.944954946058	2979.436950280627	97.64031263741238	120.1018587458585
335	200915	-110901.1413	980077.3170250766	39.500666527527455	-101.1927213	041178.40431951904	384623.569891391	3297.71728247497	33.48.5948224047197	2998.04103014455145	2980.064010745835	107.3291936847429	131.2792142560303
336	200916	-110241.1413	980077.3170250766	39.50067376244898	-101.1903809	041199.4538491567	384619.508717205	3297.622521640603	33.47.557619715056	2997.045781336892	2977.2026381560442	94.94178063	123.16692381546136
337	200917	-109581.1413	980077.3170250766	39.5006813125596	-101.1880044	041210.46939156385	384615.474872666	3297.622521640603	33.46.573196004016	2997.045781336892	2977.2026381560442	94.94178063	123.16692381546136
338	200918	-108921.1413	980077.3170250766	39.50068879664926	-101.1856999	041231.4862	384611.380715566	3296.56321149277	33.45.11263717015	2996.28432059756	2984.9850236507814	91.8340255099924	124.1678474187155
339	200919	-108261.1413	980077.3170250766	39.50069635928255	-101.1833959	041252.502	384607.32649995	3296.382907399695	33.44.3873037998	2996.382907399695	2984.9850236507814	91.8340255099924	124.1678474187155
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342	200922	-106281.1413	980077.3170250766	39.5007188248456	-101.1763191	041315.515761781834	384595.14610257	3296.835405385524	33.41.408436713304	2998.04103014455145	2980.064010745835	107.3291936847429	131.2792142560303
343	200923	-105621.1413	980077.3170250766	39.50072554905069	-101.1739076	041336.5675841727	384591.08662323	3296.381837215673	33.40.725003102554	2998.04103014455145	2980.064010745835	107.3291936847429	131.2792142560303
344</													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
486	291	221005	-51501.14133	980077.3170250766	36.59116686706845	-00.96207873	32979.270282416	4384258.947263162	3096.32324609567	2699.064907155183	3900.452340632693	2900.6960289731273	68.1620008282534	68.36891714239099
486	291	221006	-50841.14133	980077.3170250766	36.59117037268579	-00.9797378	33000.2723	4384254.505602748	3092.914803219474	2697.4929532875794	2899.536835020975	2900.5659394947984	66.5761125804282	66.9270137928105
487	291	221007	-50841.14133	980077.3170250766	36.59117382	-00.9835454	33101.2786164177	4384250.646870296	3091.74877077047	2695.62737556142	2898.175802065507	2900.7882356503307	66.1783819653049	66.49781965180224
488	291	221008	-49251.14133	980077.3170250766	36.59117724827572	-00.9705568	33002.2747184036	4384256.826044706	3093.466121260447	2694.361785554548	2898.673034138916	2900.933484015836	65.6878254160357	65.43236523001635
489	291	221009	-48681.14133	980077.3170250766	36.591180618248295	-00.9727163	330603.275	4384242.78336006	3094.9701237501467	2692.8017865382676	2896.712421670917	2900.8671719596764	66.08936466735047	61.95461457859119
489	291	221010	-48201.14133	980077.3170250766	36.59118394300595	-00.9703758	330804.27651768073	4384238.742363169	3091.2450256493353	2895.8725342126108	2900.86737867956	65.41749144	60.3777182273728	
491	291	221011	-47541.14133	980077.3170250766	36.5911872254867	-00.9680353	331005.2771060735	4384234.2707330045	3097.65028711883	2899.68933288719	2894.7725215228793	2901.9515338289768	64.91731715683971	58.43929040574324
491	291	221012	-46881.14133	980077.3170250766	36.59118956876426	-00.9656648	331206.2776593343	4384230.662750563	3098.69689387109	2958.1317758634932	2894.20328325223	2900.2614751565578	63.92784751120916	56.1703070693454
493	291	221013	-46221.14133	980077.3170250766	36.59119334898925	-00.9633454	331407.2769406987	4384228.522898638	3095.467927558335	2956.507303983405	2892.5429864390258	2901.972107175538	64.0277338304918	55.18732931881128
494	291	221014	-45561.14133	980077.3170250766	36.59119673887098	-00.961013	331608.27814501093	4384222.583447205	3100.195514923657	2955.00550020325	2891.144841536454	2894.87186732748	63.9616599357548	60.1346118175349
495	291	221015	-44901.14133	980077.3170250766	36.5911988856939	-00.9586793	331809.2784237046	4384218.452470306	3099.458845	2953.438959792885	2889.68151071687	2902.101959383996	63.754522119966	61.33699590880395
496	291	221016	-44241.14133	980077.3170250766	36.5912020403791	-00.9563328	332010.278	4384214.505026778	3097.1370584561566	2951.868119902865	2888.42332466718	2899.70718935717	63.4357852206938	62.16040090929482
497	291	221017	-43581.14133	980077.3170250766	36.59120505029087	-00.9539923	332211.2776471647	4384210.8416489325	3094.815346705022	2950.2564231319554	2886.902233592224	2888.72473184745287	63.343799793031	62.76704476242675
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ix	iy	ic13	X	Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR ElevKgrg.f	BR ElevKgrg.f	SatHtKgrg.f	SatHtBoth.f
611	299	21131	3368.8586730335	980077.3170250766	35.591252506119254	-100.6871754	355124.22297940915	4383751.4783544025	2873.1547914369913	278.3731264282184	271.17719842803567	271.14693008539007	76.19114214786168	76.4932524317373	
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650	299	21170	5739.8586730335	980077.3170250766	35.5911335385398	-100.5958961	362962.43058683948	43835.951289256	2775.0215297323953	2698.742926	2676.045191611872	2675.842303390778	148.22910451381404	148.22910451381404	
651	299	21171	5805.8586730335	980077.3170250766	35.5911295789645	-100.5935556	363163.407581964	43835.917029308	2696.71294318966	2693.20022755878	2675.20022755878	2675.20022755878	150.253565383383	150.253565383383	
652	299	21172	5871.8586730335	980077.3170250766	35.591125578900325	-100.5912515	363364.3845244044	43835.87102514691	2694.7266440531	2670.74474754981	2670.8001118664842	2674.0419489980787	152.93655240217615	152.93655240217615	
653	299	21173	5938.8586730335	980077.3170250766	35.59112153916236	-100.588958	363565.40954324	43835.8298945216	2693.7368945216	2670.020693073138	2670.020693073138	2670.020693073138	154.9840414098404	154.9840414098404	
654	299	21174	6003.8586730335	980077.3170250766	35.59111743792571	-100.5865314	363759.73792571	43835.7903611473	2692.73404268279	2670.83451717309	2673.240715759615	2673.240715759615	157.937314127739	157.937314127739	
655	299	2													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt	BREVELogKrg.ft	BREVEBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
737	299	221257	114818.85867307335	989077.3170250766	39.50602031	-100.3922747	48046.96024466807	4833247.497109289	2709.067357515132	2759.6459619569407	2525.0416894396567	54.6047251643796	54.31327487171859
738	299	221258	114788.85867307335	989077.3170250766	39.5061124200521	-100.3993342	38047.96258596932	4833243.511160223	2707.988802115216	2527.061042181607	2521.031084227137	56.8296795470048	56.79313646220785
739	299	221259	114758.85867307335	989077.3170250766	39.506194460269484	-100.4064008	37049.9642529896	4833239.627424819	2706.321770817457	2526.061192140083	2516.04182652441	59.013835316442	59.013835316442
740	299	221260	114728.85867307335	989077.3170250766	39.50627551119944	-100.4135253	36049.96485893751	4833235.53991768	2704.070248065050	2524.261292068742	2511.9007966819837	61.7111851357607	62.00109014891334
1	300	221261	-370941.1431	98973.73170250766	39.56869763891129	-102.1148279	232495.4078114847	486342.343465712	3709.472785660092	3671.9494004024119	3550.617042754052	3555.141304755104	67.3323927
2	300	221262	-370281.1431	98973.73170250766	39.5689017567312	-102.1124878	232696.5131926064	486341.728440118506	3694.728454005207	3616.303263	3547.7511847093087	3546.107182766318	70.19624454612813
3	300	221263	-369621.1431	98973.73170250766	39.568620709410664	-102.1011477	232897.6183095074	486340.347885521604	3684.708552116034	3614.662784391237	3553.387548579613	3544.737914678182	70.02800927
4	300	221264	-368961.1431	98973.73170250766	39.5686023565555	-102.107876	233098.72316131974	486340.490989117	3679.413059281161	3613.028363889325	3550.09954369916	3547.758922507774	62.9282005
5	300	221265	-368301.1431	98973.73170250766	39.5686776498976	-102.1054678	233098.627748618	486340.4742424819	3684.717533326827	3611.40074818967	3551.0389487830476	3545.632555	60.3638015249631
6	300	221266	-367641.1431	98973.73170250766	39.56861026513707	-102.1031273	233500.8321	486421.589576375	3609.777781671271	3552.882302465946	3546.964121196125	356.89548417013762	62.81137487114005
7	300	221267	-366981.1431	98973.73170250766	39.568128017973614	-102.1007872	233702.0361304842	486414.50754278	3668.831952510856	3608.159474565408	3551.9958307009647	3546.66331277336	61.4961671
8	300	221268	-366321.1431	98973.73170250766	39.56815313	-102.0984471	233903.1399254466	486413.307232584	3677.153528	3606.5460877701453	3552.7580827632284	3548.504575823902	58.041529944327
9	300	221269	-365661.1431	98973.73170250766	39.56817260038056	-102.096107	234104.24345675047	486409.154978604	3684.47259999583	3604.93716200655	3552.660994645349	3549.505110400864	57.0328058120099
10	300	221270	-365001.1431	98973.73170250766	39.5682032326565	-102.093769	234305.3467428611	486405.074028611	3691.7914293227	3603.352612640487	3552.1793029639372	3548.504575823925	57.02923981127
11	300	221271	-364341.1431	98973.73170250766	39.56822821329063	-102.091428	234506.449729563	486400.8601032365	3691.738435925483	3550.71229663483	3548.6418435814937	3541.0281729269915	56.96992373868515
12	300	221272	-363681.1431	98973.73170250766	39.56825149112345	-102.089067	234707.55247050867	486396.713002478	3713.17702135951	3600.147641552797	3549.2390202251445	3544.746431609042	55.40132545423788
13	300	221273	-363021.1431	98973.73170250766	39.5682730973094	-102.086746	234908.65449078	486392.56612634	3724.95048539666	3598.56358018918	3547.705026533744	3544.114101419823	50.858532534239
14	300	221274	-362361.1431	98973.73170250766	39.56830289514638	-102.084404	235109.7167469893	486384.3841474769	3718.31248717196	3598.9622808064	3546.0414054735006	3543.672911988653	44.31327680117753
15	300	221275	-361701.1431	98973.73170250766	39.568326768358604	-102.0820663	235310.8918184439	486384.273047807	3744.74867440489	3595.41758319176	3544.228145843643	3543.67758688159	51.18931247488805
16	300	221276	-361041.1431	98973.73170250766	39.5683524034076784	-102.0797262	235511.960096478	486380.126845431	3748.91165494949	3593.8580203724596	3542.6763205248417	3542.589383424281	51.26936390297858
17	300	221277	-360381.1431	98973.73170250766	39.568377150173256	-102.0773861	235713.06223887073	486383.980867634	3753.038704541939	3592.130686447166	3541.470478339949	3541.420567209905	50.8904013366605
18	300	221278	-359721.1431	98973.73170250766	39.56840147477557	-102.0750459	235914.1634013016	486387.7235114407	3757.1657114974882	3590.7396505479	3539.86976744299	3540.9034670269975	50.66443243254446
19	300	221279	-359061.1431	98973.73170250766	39.5684237	-102.07284	236179.654711617	486387.8589881746	3758.921821181084	3592.761984025493	3537.719840427878	3539.86976744299	51.8892597686197
20	300	221280	-358401.1431	98973.73170250766	39.5684510033697	-102.070357	236316.346505706	486383.54281644	3756.35416991764	3592.734210185347	3536.472720147493	3536.93017029245	50.71397208985
21	300	221281	-357741.1431	98973.73170250766	39.56847553736194	-102.0680255	236571.465331341	486393.399	3747.770801898002	3586.232178375378	3534.343511296310	3536.9305768679	51.88902744075614
22	300	221282	-357081.1431	98973.73170250766	39.56850002115039	-102.0656854	236718.5656411691	486395.254347081	3754.724062373275	3584.725076273275	3532.2602854115293	3532.661404121124	52.3632221579826
23	300	221283	-356421.1431	98973.73170250766	39.56852445973525	-102.0633453	236919.6653	486395.11	3773.776314921836	3583.265323300464	3530.354114748004	3530.3541073008605	52.3250593206194
24	300	221284	-355761.1431	98973.73170250766	39.56854885312946	-102.061051	237120.7649230258	486394.965310667	3773.517342565955	3581.80261336273	3528.882342579836	3529.549335072414	52.9197710475134
25	300	221285	-355101.1431	98973.73170250766	39.5685723116401	-102.0582628	237321.8642632602	486394.965310667	3778.29632210078	3580.9565708202796	3528.366744239667	3528.366744239667	53.016923878845
26	300	221286	-354441.1431	98973.73170250766	39.568597615707	-102.056044	237532.763433027	486394.965310667	3778.05946842424	3578.927744712425	3527.750401769543	3527.750401769543	51.67274307
27	300	221287	-353781.1431	98973.73170250766	39.5686217620378	-102.0539847	237724.0622	486393.343349048	3755.20579634994	3575.164934376253	3525.700876	3526.1280548381125	51.81561785052086
28	300	221288	-353121.1431	98973.73170250766	39.56864597460405	-102.0516446	237925.160736621	486393.39930257	3757.1248801622744	3576.122958759823	3524.88475347165	3524.957557123504	51.16493045
29	300	221289	-352461.1431	98973.73170250766	39.568670141966394	-102.049304	238126.2590243834	486396.247	3757.2880034473073	3574.7455352480883	3524.0965653041108	3523.9463848742034	50.7986037388496
30	300	221290	-351801.1431	98973.73170250766	39.56869426412482	-102.0469643	238327.3570657419	486392.103589752	3757.0721268113976	3573.385224430874	3523.609113386797	3523.609113386797	49.8754130940767
31	300	221291	-351141.1431	98973.73170250766	39.56871831912935	-102.0446241	238528.4545479043	486393.7360753821	3758.041184807263	3572.6379607082028	3523.642595626108	3523.642595626108	47.69788918110221
32	300	221292	-350481.1431	98973.73170250766	39.56874237	-102.04284	238729.654711617	486393.7360753821	3758.921821181084	3592.761984025493	3537.719840427878	3537.719840427878	50.66443243254446
33	300	221293	-349821.1431	98973.73170250766	39.5687665380058	-102.0399438	238930.6347556643	486390.67578621	3760.7269155815376	3592.391700414886	3527.8515942826	3531.0774147493	49.8193106
34	300	221294	-349161.1431	98973.73170250766	39.568790370073034	-102.0376037	239117.7461389	486395.533596794	3699.87692834458	3568.058598756563	3521.706168474503	3523.282375667103	46.3794213982059
35	300	221295	-348501.1431	98973.73170250766	39.5688119686849	-102.0352635	239332.8434887796	486391.392	3699.517620520474	3558.996262908886	3518.996262908886	3518.996262908886	51.89277170900525
36	300	221296	-347841.1431	98973.73170250766	39.56883804780241	-102.0329234	239533.9398791723	486392.295	3701.707967021565	3565.509540746959	3516.085479798836	3516.085479798836	49.42411428
37	300	221297	-347181.1431	98973.73170250766	39.5688618533211	-102.0309832	239735.03821038466	486393.10486041	3703.9021251919872	3564.239024	3515.3747760429378	3562.042856816038	50.8642802896181
38	300	221298	-346521.1431	98973.73170250766	39.56888614057574	-102.0282431	239936.1321842635	486392.867197145	3706.09336	3562.919432823975	3510.717013169705	3510.717013169705	52.72965424494
39	300	221299	-345861.1431	98973.73170250766	39.5689129270876	-102.0260658	240138.2654714861	486393.10486041	3706.934214861	3563.730421810676	3510.717013169705	3510.717013169705	50.8642802896181
40	300	221300	-345201.1431	98973.73170250766	39.56893299945325	-102.0236248	240338.3235971526	486392.867197145	3706.934214861	3563.730421810676	3510.717013169705	3510.717013169705	50.8642802896181
41	300	221301	-344541.1431	98973.73170250766	39.5689662440761	-102.0212226	240539.4185616935	486392.75453891	3705.638797219676	3559.269845269918	3505.186828	3561.515470181937	50.83071473771
42	300	221302	-343881.1431	98973.73170250766	39.56899260411544	-102.0188824	240740.51360678797	486391.034438293	3705.01837471926	3558.010544521114	3504.8284194743567	3504.8284194743567	50.83071473771
43	300	221303	-343221.1431	98973.73170250766	39.56870037861874	-102.0165423	240941.6881959489	486392.867240789	3706.01823546191	3556.85728048008	3502.9225093810643	3502.9225093810643	51.89277170900525
44	300	221304	-342561.1431	98973.73170250766	39.568707223	-102.0140221	241172.10622713454	486394.2432076	3708.638432858667	3556.670538707	3501.8901346485495	3501.8901346485495	51.89277170900525
45	300	221305	-341901.										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevKgr.ft	BRRElevBotKgr.ft	SatThLocs.ft	SatThBot.ft
123	20133	-290421.1413		989737.3170250766	39.58874003241285	-101.8293244	257028.3700800222	4385937.779378373	3660.3181194244474	3464.4942319872084	3359.2273029591417	3357.3155200646106	37.2668293020669	98.17871192259781
124	20134	-289761.1413		989737.3170250766	39.5887599505216236	-101.8269841	257429.44466217374	4385933.657305718	3658.55300550178	3455.22005121235	3356.010949529918	3354.4075862091389	39.2055299133493	90.912613965
125	20135	-289511.1413		989737.3170250766	39.58877973280332	-101.826448	257430.518040351	4385934.809720387	3658.73897789852	3444.15141812196	3353.400767121843	3353.2001612027966	39.1427711291196	92.951761291196
126	20136	-288441.1413		989737.3170250766	39.5887951518224	-101.8223035	257631.93310669195	4385924.014069083	3657.442777964577	3442.98530469866	3349.647545510892	3343.934198133476	39.3379514	95.03419630138955
127	20137	-287781.1413		989737.3170250766	39.588819253326254	-101.8199632	257832.66697020835	4385921.292757183	3657.0141237757084	3441.830934486155	3345.681060796939	3343.346213876806	39.1496326867593	97.8474796033943
128	20138	-287121.1413		989737.3170250766	39.58883894316215	-101.817623	258033.74069423908	4385917.177275	3656.7584291341	3440.683042019545	3341.431308	3340.398212019545	39.27081662211503	100.28561132331122
129	20139	-286841.1413		989737.3170250766	39.588858043262515	-101.8152827	258234.21307831373	4385913.05788535	3655.502734651374	3439.549162597695	3336.852099604905	3335.894667268302	39.0672166502744	103.6546468902746
130	20140	-285801.1413		989737.3170250766	39.588878192617109	-101.8129424	258483.88712593137	4385908.30142576	3653.2470408032057	3438.426842595624	3332.380767079604	3332.00105056433	39.0469871800201	106.5062437396923
131	20141	-285141.1413		989737.3170250766	39.58889774865656	-101.8106021	258636.9603358727	4385904.5365101748	3652.31676798952	3437.21676798952	3331.245076712194	3331.2005436068473	39.057545727251195	108.1113216055244
132	20142	-284481.1413		989737.3170250766	39.5889172069672	-101.808218	258838.0270321054	4385897.689521946	3646.97734565715	3436.2197674628405	3330.707771105526	3330.3582002521593	39.0511296322875	108.8068540068119
133	20143	-283821.1413		989737.3170250766	39.58893672600883	-101.8059215	259039.1051346086	4385896.57	3643.216114287784	3435.13444383684	3329.446542686126	3329.02613242227	39.0584995184677	108.1083101845679
134	20144	-283161.1413		989737.3170250766	39.58895614672267	-101.8035812	259240.17127808564	4385892.45	3639.45482839034	3434.0633361737523	3327.816218240873	3327.81011861965	39.06247179326497	108.9822431205679
135	20145	-282501.1413		989737.3170250766	39.58897552222817	-101.8012409	259441.2492834897	4385889.33	3638.7650751634665	3433.0068259440024	3325.8630681373766	3323.838034348283	39.071430145666388	108.16344935818
136	20146	-281841.1413		989737.3170250766	39.58899485252533	-101.7989006	259642.3210021405	4385884.21065533	3638.146691230068	3432.06466869215	3323.5985989614865	3321.906379549404	39.08194970743509	110.0541727144271
137	20147	-281181.1413		989737.3170250766	39.58901413761411	-101.796504	259843.3924830589	4385880.01988815	3633.56320720693	3430.927272	3321.129864206641	3321.07964046927	39.0934262622914	112.1477118695744
138	20148	-280521.1413		989737.3170250766	39.5890337449444	-101.7942201	260044.46372001589	4385876.973	3632.709717671749	3429.907052176749	3318.893414889894	3315.5111559144053	39.1013637785054	114.3758962253437
139	20149	-279861.1413		989737.3170250766	39.589052571266295	-101.7918798	260245.5347338844	4385871.8543975055	3628.692133431006	3428.9005632915905	3316.430619247431	3311.850038353031	39.124699440484713	117.07159398585942
140	20150	-279201.1413		989737.3170250766	39.58907172162967	-101.7895395	260446.60505416846	4385867.35898873	3626.874937485862	3427.90806786991	3314.345140881962	3314.70747288342	39.15620952905104	120.1363649664948
141	20151	-278541.1413		989737.3170250766	39.58909002588448	-101.7871992	260647.6760376772	4385863.617803298	3624.0547145407183	3426.929665	3312.6776733943875	3312.6776733943875	39.15290110874246	123.62199124252766
142	20152	-277881.1413		989737.3170250766	39.58910884983075	-101.7848589	260848.74635351427	4385859.49842674	3621.264055595745	3425.965372341328	3311.241808	3309.213777047616	39.1623563965874	128.8480146365764
143	20153	-277221.1413		989737.3170250766	39.5891288876839	-101.7825196	261049.8183969552	4385852.382105904	3617.3207419671144	3425.0153479749694	3310.02182897442	3308.945616482326	39.1644118080272	127.17083092714286
144	20154	-276561.1413		989737.3170250766	39.5891487397395	-101.7801783	261250.886225975	4385851.2649115	3616.296330553374	3424.079384425434	3308.732408435956	3308.062651888928	39.1734748099692	123.0711313559595
145	20155	-275901.1413		989737.3170250766	39.5891686217453	-101.7774139	261465.0391314087	4385850.742351107	3615.1734748099692	3423.017226323734	3308.455108852492	3307.581927195428	39.1825572239094	125.958572239094
146	20156	-275241.1413		989737.3170250766	39.5891856092021	-101.775476	261653.0251077146	4385843.03234346	3614.052500317834	3422.247041831037	3308.5628697292167	3307.362336414633	39.1834972100693	131.015178435507
147	20157	-274581.1413		989737.3170250766	39.589204502030254	-101.7731573	261854.0942863504	4385840.91391407	3612.8504974974957	3421.2405909093613	3304.091727656207	3304.261846024031	39.17727325313537	119.0870248495601
148	20158	-273921.1413		989737.3170250766	39.5892238962605	-101.770817	262055.1631705815	4385834.796722103	3611.0216017391	3420.459532286803	3302.2495397908037	3301.004225305877	39.182099543780454	119.45530302272961
149	20159	-273261.1413		989737.3170250766	39.58924232141235	-101.7684767	262256.2318	4385830.368376435	3609.5782663713974	3419.5778267670225	3301.0515920551112	3300.2447267721396	39.18472675651112	119.33899984872961
150	20160	-272601.1413		989737.3170250766	39.58926079787576	-101.7661384	262447.3003247885	4385826.464204395	3609.5782663713974	3418.7023633175795	3302.079653349187	3301.57063057638	39.18626397626082	117.131102994413
151	20161	-271941.1413		989737.3170250766	39.5892793819549	-101.7637891	262658.394151485	4385822.488258972	3607.688107649813	3417.81364392402	3301.459489685207	3301.459489685207	39.18677840208817	114.237718689028
152	20162	-271281.1413		989737.3170250766	39.5892981367187	-101.7615	262869.438313109	4385818.332351157	3605.69005756963	3416.840057137585	3300.484006142215	3300.50050007976	39.18825734730208	114.6042573730208
153	20163	-270621.1413		989737.3170250766	39.58931655066295	-101.7591155	263060.504034775	4385814.217029515	3604.33506847012	3416.08998236041	3300.7304441491087	3300.7304441491087	39.1886540893236	120.3819555194
154	20164	-269961.1413		989737.3170250766	39.589335067203415	-101.7567751	263261.5715518266	4385810.10752337	3603.46515918337	3415.23473193134	3300.53160525231	3300.747191813627	39.17033125791884	120.72681169716
155	20165	-269301.1413		989737.3170250766	39.5893535835486	-101.7544348	263462.6387965493	4385805.96869315	3602.836205852068	3414.350983691171	3300.73130348791556	3300.286451706529	39.15657554855545	106.08413865718194
156	20166	-268641.1413		989737.3170250766	39.58937196	-101.7520945	263663.705807975	4385801.81786784	3601.65115642805	3413.50546911128	3300.47826780564904	3300.47826780564904	39.15657554855545	105.31219835705
157	20167	-267981.1413		989737.3170250766	39.5893903455704	-101.7497542	263864.725861777	4385797.75261009	3600.45403044438	3412.64000001228	3300.4443157051087	3300.362770201892	39.15657554855545	105.71209879834395
158	20168	-267321.1413		989737.3170250766	39.5894096127453	-101.7474139	264065.0391314087	4385793.742427737	3599.34754040043	3411.7722639609324	3300.455108852492	3300.455108852492	39.15657554855545	105.71209879834395
159	20169	-266661.1413		989737.3170250766	39.589428971769385	-101.7450738	264266.9054438679	4385789.38717766	3598.27847482186	3410.960725192147	3300.3289043040327	3300.3289043040327	39.15657554855545	105.71209879834395
160	20170	-266001.1413		989737.3170250766	39.58944522	-101.7427332	264467.916237159	4385784.41479733	3597.28198967554	3410.0359047026925	3299.481778330413	3299.321435948005	39.15657554855545	105.71209879834395
161	20171	-265341.1413		989737.3170250766	39.589463471140486	-101.7403929	264669.0374712603	4385781.301	3596.6917131888693	3409.162960760309	3296.32799672485	3295.974613759505	39.15657554855545	105.71209879834395
162	20172	-264681.1413		989737.3170250766	39.5894815700759	-101.7380526	264870.1031	4385779.187577987	3595.101379275859	3408.297697055473	3292.9882178663497	3292.62354793603	39.15657554855545	115.674212256423
163	20173	-264021.1413		989737.3170250766	39.5894998166534	-101.7357123	265071.1684701076	4385773.074	3594.251372706629	3407.42367284954	3289.788217911914	3289.788217911914	39.15657554855545	117.4441229541394
164	20174	-263361.1413		989737.3170250766	39.5895177461133	-101.733719	265272.2336210229	4385768.761230575	3593.027742438957	3406.546409497445	3287.098477210327	3290.36132447224	39.15657554855545	117.4441229541394
165	20175	-262701.1413		989737.3170250766	39.58953583393226	-101.731493	265473.303260992	4385760.73565877	3591.658752213657	3405.7684235421	3286.1545195060181	3290.709446099543	39.15657554855545	117.4441229541394
166	20176	-262041.1413		989737.3170250766	39.58955168023021	-101.7263509	265675.427886109	4385756.63485257	3590.3547093334253	3403.901913409626	3283.145596	3298.54814604151	39.15657554855545	117.4441229541394
167	20177	-261381.1413		989737.3170250766	39.589576802318235	-101.7240106	265876.4919154054	4385752.511	3589.904931494246					

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatHtKgr.f	SatHtBoth.f	
249	200	221509	-207261.1413	989737.3170250766	39.50088798051729	-11.5344401	282831.94666130136	4385420.1688793056	3489.5651999241963	3102.2106672006094	3169.8441132015905	3169.6765300649285	312.353665399091883	312.533665399091883
250	200	221510	-206860.1413	989737.3170250766	39.50090215683931	-11.5320097	282562.9926	4385416.750252649	3446.675768227693	3300.5416559954643	3168.4465183954447	3168.4465183954447	312.09478621640962	312.09478621640962
251	200	221511	-205981.1413	989737.3170250766	39.50091600125153854	-11.5297638	282476.03833931797	4385411.9814011596	3454.0882216392578	3298.863519	3167.077119891915	3166.945449	311.78174744881837	311.78174744881837
252	200	221512	-205281.1413	989737.3170250766	39.50093037384709	-11.5274189	282965.03899791626	4385407.888000017	3441.74550129999	3371.14517268474	3165.83519462144	3165.509178311813	311.7037819452596	311.6339067666243
253	200	221513	-204621.1413	989737.3170250766	39.50094441453281	-11.5250785	283166.12925511457	4385403.794821382	3442.41896633071	3295.413857041324	3164.324926678854	3161.807829233865	311.089664343566	313.503541179965
254	200	221514	-203961.1413	989737.3170250766	39.500958410006415	-11.5227338	283367.174391307	4385399.702	3437.0982371304727	3293.66036615961	3162.061912416712	3160.909705075197	311.5981242	313.5894014607382
255	200	221515	-203301.1413	989737.3170250766	39.500972360267784	-11.5203976	283568.2193715044	4385395.609132626	3434.1679148867275	3291.901228772384	3160.347709407877	3158.24711240197	311.55531936450688	313.6535175321892
256	200	221516	-202641.1413	989737.3170250766	39.500986265316985	-11.5180572	283769.2643039775	4385391.516622493	3432.1647419019526	3290.119926211794	3158.52474947723	3156.847284180815	313.79667473136384	313.79667473136384
257	200	221517	-201981.1413	989737.3170250766	39.50091600125153854	-11.5157168	283870.3085318402	4385387.42426319	3429.650289915924	3288.523468979465	3156.5846876981556	3153.7356963679288	313.7356963679288	313.7356963679288
258	200	221518	-201321.1413	989737.3170250766	39.50101363778694	-11.5133764	284171.35262033525	4385382.32770977	3427.1358592299224	3286.509489369955	3154.517625239778	3153.272350721777	313.222350721777	313.222350721777
259	200	221519	-200661.1413	989737.3170250766	39.501027709191124	-11.5110398	284372.3696966634	4385379.204249878	3423.90320509765	3284.698957130612	3152.298518527306	3151.094908949923	313.313385477813	313.5894941805585
260	200	221520	-200001.1413	989737.3170250766	39.5010414339125	-11.5086955	284573.40471604113	4385375.14891075	3419.92530846543	3282.96529752563	3149.907374663155	3148.7937804743683	312.9580045944076	314.07159878319453
261	200	221521	-199341.1413	989737.3170250766	39.50105511237904	-11.5063551	284774.4841366131	4385371.45714359	3416.90367964141	3281.037415260049	3146.889118482728	3146.4295842282108	313.46749226375655	313.46749226375655
262	200	221522	-198681.1413	989737.3170250766	39.501068746154455	-11.5040147	284975.52785471	4385366.96240623	3412.052937258286	3279.209695	3144.32462695519	3146.075653313012	314.8823376322407	313.1601992664588
263	200	221523	-198021.1413	989737.3170250766	39.50108233471749	-11.5016742	285176.5710848166	4385362.95259069	3408.95915397048	3277.59180273382	3141.33603833388	3141.106914067134	313.6014006732246	313.6014006732246
264	200	221524	-197361.1413	989737.3170250766	39.5010957605814	-11.4993338	285377.1014308874	4385358.76452264	3404.431222717848	3275.542547442998	3138.137248737544	3138.402516839872	313.4025970545424	313.4025970545424
265	200	221525	-196701.1413	989737.3170250766	39.50110937620631	-11.4969834	285578.65901076836	4385354.6940572215	3406.670529138628	3273.711238041693	3134.5522247882104	3136.156173243544	313.1590112534825	313.75501007814894
266	200	221526	-196041.1413	989737.3170250766	39.50112289132103	-11.4946529	285779.6995774291	4385350.7872630597	3396.90278305939	3268.485321349	3131.7652620947015	3134.9213611879304	312.712222664713	313.9655491341268
267	200	221527	-195381.1413	989737.3170250766	39.50113623845266	-11.4923125	285980.17418941702	4385345.514	3396.51320475544	3267.07063998856	3130.382111200495	3134.904718599743	313.685829783617	313.659143991313
268	200	221528	-194721.1413	989737.3170250766	39.50114969398456	-11.4899721	286181.78407030413	4385342.423875645	3392.2648314742282	3131.238435083075	3130.3739179650237	313.02639179650237	313.02639179650237	313.02639179650237
269	200	221529	-194061.1413	989737.3170250766	39.50116276316	-11.4876316	286382.826036346	4385338.3444474	3396.904222742892	3133.3701236067027	3124.7422482899013	313.0996919758655	312.6425744847879	312.6425744847879
270	200	221530	-193401.1413	989737.3170250766	39.5011761897077	-11.4852912	286583.767924699	4385337.783371856426	3392.783371856426	3294.686499118922	3131.715906874374	3124.87550450672	312.70622445451	311.95507244882002
271	200	221531	-192741.1413	989737.3170250766	39.501190725572784	-11.4829568	286789.1542559524	4385332.015704444	3392.59458397132	3292.6493292873	3124.69177026656	3124.69177026656	312.453169286273	312.453169286273
272	200	221532	-192081.1413	989737.3170250766	39.50120529722313	-11.4806103	286995.5065787004	4385326.06754855	3392.525962776787	3291.158005379654	3123.32250493999	3152.044563898967	312.835575379625	311.101262659080
273	200	221533	-191421.1413	989737.3170250766	39.50121533660874	-11.4782699	287186.9918035654	4385321.978052324	3389.924406982154	3259.4172509917614	3123.8860696282154	3152.23008998483	312.506683564599	310.7184662702782
274	200	221534	-190761.1413	989737.3170250766	39.50122802488594	-11.4759295	287388.0327	4385317.8895348	3386.622519676876	3257.866693826626	3123.450540431661	3152.2980157195893	311.236247894622	310.588682607043
275	200	221535	-190101.1413	989737.3170250766	39.50124187098315	-11.473589	287589.0343189325	4385313.012617563	3385.04312161106	3255.974234842723	3137.6438875369367	3136.2945374057866	310.3490423269154	310.3490423269154
276	200	221536	-189441.1413	989737.3170250766	39.50125487169798	-11.4712486	287790.119332970	4385308.731	3371.2949185528114	3254.27605702382	3136.450755846915	3152.142439991363	311.82530115869031	310.215161703174817
277	200	221537	-188781.1413	989737.3170250766	39.50126782726895	-11.4689818	287991.1542559524	4385304.525369372	3362.1794562371793	3252.62594378153	3134.8911336712257	3153.292796584993	311.9301461897233	310.9301461897233
278	200	221538	-188121.1413	989737.3170250766	39.5012807759593	-11.4667377	288192.1542559524	4385300.537776909	3359.05174533623	3250.9257153313459	3133.3473159323862	3153.3473159323862	311.9341960203264	311.9341960203264
279	200	221539	-187461.1413	989737.3170250766	39.5012936282036	-11.4644273	288393.2184296466	4385295.450371814	3353.355870587737	3249.27479914148	3131.776674297244	3154.554836323473	311.47976074469362	310.971943368
280	200	221540	-186801.1413	989737.3170250766	39.501306422768874	-11.462188	288594.273845789	4385293.363	3333.068790737853	3247.637021822127	3129.78341800756	3149.318799814568	311.771328046716	310.771328046716
281	200	221541	-186141.1413	989737.3170250766	39.50131919750454	-11.4599464	288795.313156483	4385289.27625217	3322.781714962059	3246.04599171944	3127.964878779545	3150.926077485444	311.0492703923992	310.926077485444
282	200	221542	-185481.1413	989737.3170250766	39.50133192707355	-11.4572059	288996.325690357	4385285.19585631	3321.41032086252	3244.01722808632	3126.48322545464	3153.4987050320214	310.9726020318784	310.9726020318784
283	200	221543	-184821.1413	989737.3170250766	39.50134461133725	-11.4548685	289197.9165125945	4385281.10349123	3304.6174434306127	3242.814244	3125.4924132168973	3150.9438284	311.3228116946525	310.9438284
284	200	221544	-184161.1413	989737.3170250766	39.50135725043425	-11.4524518	289398.435465035	4385277.015774495	3302.4512963457313	3240.921457044383	3124.69177026656	3153.292796584993	311.9301461897233	311.9301461897233
285	200	221545	-183501.1413	989737.3170250766	39.50136984431829	-11.4501846	289599.4699168977	4385272.93072467	3299.674756618976	3239.674756618976	3124.69177026656	3153.292796584993	311.9301461897233	311.9301461897233
286	200	221546	-182841.1413	989737.3170250766	39.50138232993936	-11.4478441	289800.5057126913	4385268.04845834	3288.215561	3238.124989725256	3123.4974611705697	3128.8093531446984	311.6752019104882	310.951431305419
287	200	221547	-182181.1413	989737.3170250766	39.50139584864744	-11.4455037	290001.545732088	4385264.79982186	3285.504076347474	3236.5909602366135	3123.492682951043	3135.01938492467	311.09820194150916	311.09820194150916
288	200	221548	-181521.1413	989737.3170250766	39.5014073469899	-11.4431632	290202.5834523465	4385260.67302386	3279.656403521925	3235.07829885500	3123.68520424664	311.77724613246	311.3883256403668	310.9235527225471
289	200	221549	-180861.1413	989737.3170250766	39.5014197673071	-11.4408228	290403.6126524601	4385256.589	3275.772724714935	3233.5648149943263	3124.881075561828	3129.2304903396	310.9430593769855	310.9430593769855
290	200	221550	-180201.1413	989737.3170250766	39.50143213554964	-11.4384823	290604.695253907	4385252.30302553	3273.889048896756	3232.07303425683	3124.852569997137	3127.7769185105	310.9204433309008	310.9204433309008
291	200	221551	-179541.1413	989737.3170250766	39.501445174431446	-11.436198	290805.698467835	4385248.4308473	3271.994439349429	3230.94439349429	3124.69177026656	3153.292796584993	311.9301461897233	311.9301461897233
292	200	221552	-178881.1413	989737.3170250766	39.5014573554824	-11.4339014	291006.73384029424	4385244.334593928	3269.518045452575	3229.1330242561	3127.461773813943	3127.461773813943		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKrg.ft	BRrBothKrg.ft	SatThKrg.ft	SatThBoth.ft
35	20	221635	-124201.1413	98973.7317025076	39.592318144088104	-121.2395414	703692.1258498676	3489406.096645375	3268.036205272194	11.7841422478647	2994.1706959732164	2987.001177177961	121.30172650543045	131.47124253088595
376	300	221636	-123441.1413	98973.7317025076	39.592322662530359	-121.2372009	703883.1459647344	3489402.030817544	3266.936131732564	11.7173620994565	2992.8073303192744	2985.5442044821179	124.51075267592464	131.75276512347475
377	300	221637	-122781.1413	98973.7317025076	39.592323567770426	-121.2348604	703904.1645558995	3489407.9652115545	3268.900429297448	11.71616843	2993.6434300623447	2983.430022934177	122.52701634525078	131.75276512347475
378	300	221638	-122121.1413	98973.7317025076	39.592343446690144	-121.2325199	703895.1867500491	3489483.9	3264.6811541222224	11.71502484	2995.604080515857	2983.631714550946	119.41614572994448	131.3931124009438
379	300	221639	-121461.1413	98973.7317025076	39.592351790461144	-121.2301794	703846.206862056	3489488.834665246	3266.618736940426	11.71388912096336	2997.961744035925	2983.95246356644	115.94218900274356	129.3063567396922
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381	300	221641	-120141.1413	98973.7317025076	39.59236834235859	-121.2254983	703888.2465245448	3489481.705005926	3266.204584466164	11.71169962461779	3001.304115289417	2984.78242832007	110.351742173621	127.331381335484
382	300	221642	-119481.1413	98973.7317025076	39.592376550464848	-121.2231578	703909.266074743544	3489477.640059696	3266.076270296721	11.71048636068497	3002.731622994177	2982.98476340519	107.75804001276261	126.5668837635055
383	300	221643	-118821.1413	98973.7317025076	39.59238471339646	-121.2208173	703930.3064389895	3489478.576234662	3266.321428146617	11.71059167130726	3003.3110834125205	2983.276716881506	106.04662394485217	125.92389913586709
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386	300	221646	-116841.1413	98973.7317025076	39.5924089304131	-121.2137958	703903.3242147675	3489481.3847947	3265.018718624016	11.707660508187	3004.522581	2982.71644842731	101.4481855	123.8191221261081
387	300	221647	-116181.1413	98973.7317025076	39.592416912893015	-121.2115533	703910.301043016430	3489487.321353101	3264.81678180471	11.7048187187468	3004.5528370308893	2982.1223133117743	100.28884115657866	123.93194468756937
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391	300	221651	-113541.1413	98973.7317025076	39.59244838894874	-121.2020392	703908.43365938	3489481.070020038	3265.47285311067	11.700322487540642	3002.88336800465	2977.70705716912	97.43912167	122.615430781521
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402	300	221662	-106281.1413	98973.7317025076	39.59253121786184	-121.1763475	703931.6181756532	3489476.97148628	3267.144414913527	11.70146529414293	2999.25015705287	2988.225213720704	88.3751219059591	99.400056938911
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHhKgr.f	SatHtBoth.f
500	300	221761	-40941.14133	989737.3170250766	39.593030479388815	-00.944634	33019.3181238934	4834395.548699037	3080.678203164693	2843.2359374938715	2880.546100861095	2881.050081339998	62.8893663281233	62.18585961417351
502	300	221762	-40291.14133	989737.3170250766	39.59303261639625	-00.942234	33320.21648413574	4834391.508960113	3078.352474720306	2879.1302494930189	2879.8034906321889	62.8934636321848	61.86230324168491	
503	300	221763	-39621.14133	989737.3170250766	39.593036984673265	-00.939829	33462.3070039367	4834393.478634787	3073.2240734869095	2878.124365685	2878.5220496965	62.12981793245842	61.56123193883056	
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505	300	221765	-38301.14133	989737.3170250766	39.59304133709162	-00.9352718	33823.3171543632	483439.736474281	3073.6582545137	2876.82601746576	2875.3292671141587	2876.1680517804502	61.59675575160645	60.75766583831496
506	300	221766	-37641.14133	989737.3170250766	39.59304330847651	-00.9329312	34024.3097332095	483439.354942614	3070.932201574702	2875.333119832038	2873.78828056337	2876.00478020421	61.5440832683041	59.32911116278274
507	300	221767	-36981.14133	989737.3170250766	39.59304646452536	-00.9309096	34225.30576	483437.322587274	3070.209755679886	2873.7345047801966	2872.359114	2874.470530428397	61.375434400176346	58.81945693993494
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509	300	221769	-35661.14133	989737.3170250766	39.593051471935402	-00.9259995	34627.3027039367	4834393.478634787	3073.2240734869095	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
510	300	221770	-35001.14133	989737.3170250766	39.59305389155411	-00.923569	34828.3003395634	483439.314718751	3052.229519230073	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
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512	300	221772	-33681.14133	989737.3170250766	39.593058952745665	-00.9188879	35230.29423027043	483439.314718751	3040.86604843426	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
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514	300	221774	-32361.14133	989737.3170250766	39.5930631277234	-00.9142067	35632.2871461426	483434.07039072	3032.04896731123	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
515	300	221775	-31701.14133	989737.3170250766	39.593065816211318	-00.9118662	35833.2843176585	483439.35872223	3031.480647537853	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
516	300	221776	-31041.14133	989737.3170250766	39.59306746534075	-00.909526	36034.2806841626	483435.001	3049.25377670991	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
517	300	221777	-30381.14133	989737.3170250766	39.59306966944029	-00.9071851	36235.2789128192	483439.314718751	3047.02860545298	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
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520	300	221780	-28401.14133	989737.3170250766	39.59307561016267	-00.9001634	36838.264164592	483418.863834538	3040.87155734721	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
521	300	221781	-27741.14133	989737.3170250766	39.59307753330418	-00.8978929	37039.2601964635	483431.830105805	3027.66354912929	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
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531	300	221791	-21141.14133	989737.3170250766	39.59309427782465	-00.8744173	39049.20738045457	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
532	300	221792	-20481.14133	989737.3170250766	39.59309570358713	-00.8720767	39250.201327187	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
533	300	221793	-19821.14133	989737.3170250766	39.593097084133326	-00.8697362	39451.1948328743	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
534	300	221794	-19161.14133	989737.3170250766	39.59309841946326	-00.8673956	39652.1848339016	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
535	300	221795	-18501.14133	989737.3170250766	39.593099759576855	-00.86505	39853.1816742269	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
536	300	221796	-17841.14133	989737.3170250766	39.59310146347174	-00.8627145	40054.175195151	483424.50343939	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
537	300	221797	-17181.14133	989737.3170250766	39.59310251541551	-00.8603739	40255.168189661	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
538	300	221798	-16521.14133	989737.3170250766	39.5931030819895	-00.8580334	40456.16115119083	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
539	300	221799	-15861.14133	989737.3170250766	39.5931041478688	-00.8558928	40657.1538861946	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
540	300	221800	-15201.14133	989737.3170250766	39.5931058190036	-00.8535322	40858.1458028277	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
541	300	221801	-14541.14133	989737.3170250766	39.5931065071162	-00.8510117	41059.138965471	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
542	300	221802	-13881.14133	989737.3170250766	39.5931074	-00.848671	41260.3112741348	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
543	300	221803	-13221.14133	989737.3170250766	39.59310834929874	-00.8463218	41461.3236795464	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
544	300	221804	-12561.14133	989737.3170250766	39.593109258565566	-00.84399	41662.115041352	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.2844256758637	58.655702381136676
545	300	221805	-11901.14133	989737.3170250766	39.59311012	-00.8416494	41863.1073780705	483426.302283365	3014.74222365448	2870.8431981194485	2872.359114	2874.470530428397	61.	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.ft	BRIElevBothKgf.ft	SatHkLogKgf.ft	SatHBothKgf.ft
627	301	221887	42218.85867307335	989737.3170250766	39.59302496	-100.6497237	358343.939966347	4338388.503049592	2748.02772283463	2748.442066132376	2696.838571977118	2696.752063952345	52.81349415465818
628	301	221888	42218.85867307335	989737.3170250766	39.593024963386	-100.6473831	358494.9163891872	4338384.42965126	2844.275146611837	2745.668461636364	2693.037420562193	2694.0139491603956	52.81942500146508
629	301	221889	42218.85867307335	989737.3170250766	39.593019369416345	-100.6469628	358745.9665453912	4338380.492904024	2846.086970953171	2745.032891232442	2691.519278698014	2691.6247933456473	52.81941843627756
630	301	221890	42218.85867307335	989737.3170250766	39.59301608398118	-100.642702	358946.8762197096	4338376.4517316053	2846.086958280274	2745.061834290211	2688.067503818306	2688.975343620251	52.81480348200545
631	301	221891	42218.85867307335	989737.3170250766	39.5930130333138	-100.6403615	359147.85656104324	4338372.453383989	2848.23504543162	2738.2558193083383	2685.784311899544	2687.403183991286	52.82497036004344
632	301	221892	42218.85867307335	989737.3170250766	39.5930130333138	-100.6403615	359147.85656104324	4338372.453383989	2848.23504543162	2738.2558193083383	2685.784311899544	2687.403183991286	52.82497036004344
633	301	221893	42218.85867307335	989737.3170250766	39.59300676383305	-100.6358603	359494.811152242	4338364.45254762	2846.103097332333	2733.8210684560822	2682.686908343643	2687.574806512277	51.13461011243589
634	301	221894	42218.85867307335	989737.3170250766	39.59300361006519	-100.6333398	359570.7931447405	4338360.46392181	2845.078732399946	2731.6524757447807	2682.184771487766	2688.399305555589	52.8174037804700
635	301	221895	42218.85867307335	989737.3170250766	39.59300361006519	-100.6333398	359570.7931447405	4338360.46392181	2845.078732399946	2731.6524757447807	2682.184771487766	2688.399305555589	52.8174037804700
636	301	221896	42218.85867307335	989737.3170250766	39.59299710154044	-100.626567	359651.7527095659	4338352.41122657	2846.12905108721	2725.454717916453	2681.423256901294	2688.195245254368	45.8571461854444
637	301	221897	42218.85867307335	989737.3170250766	39.59299710154044	-100.626567	359651.7527095659	4338352.41122657	2846.12905108721	2725.454717916453	2681.423256901294	2688.195245254368	45.8571461854444
638	301	221898	42218.85867307335	989737.3170250766	39.592994712731325	-100.6239776	360554.7079171244	4338344.40313852	2836.55538559234	2723.0697467323807	2680.019696277704	2683.585502526394	45.8571461854444
639	301	221899	42218.85867307335	989737.3170250766	39.59298700035261	-100.621637	360755.6862748247	4338340.39527404	2836.55538559234	2723.0697467323807	2680.019696277704	2683.585502526394	45.8571461854444
640	301	221900	42218.85867307335	989737.3170250766	39.592983542757835	-100.6192965	360966.6494897825	4338336.382929519	2828.4024274242828	2723.0697467323807	2680.019696277704	2683.585502526394	45.8571461854444
641	301	221901	42218.85867307335	989737.3170250766	39.59298009946696	-100.6169859	361157.6425892005	4338332.305004558	2828.4024274242828	2723.0697467323807	2680.019696277704	2683.585502526394	45.8571461854444
642	301	221902	42218.85867307335	989737.3170250766	39.59297649192003	-100.6146154	361358.620462814	4338328.37399141	2819.08179052047	2714.550899	2679.89417170353	2683.585502526394	45.8571461854444
643	301	221903	42218.85867307335	989737.3170250766	39.592972986677026	-100.6122748	361559.5893702425	4338324.366313328	2815.015459800215	2712.430648	2679.89417170353	2683.585502526394	45.8571461854444
644	301	221904	42218.85867307335	989737.3170250766	39.59296962021797	-100.6099343	361760.570612635	4338320.35947113	2811.61231972966	2710.314374474036	2682.031143485376	2682.316239067013	28.00239320032252
645	301	221905	42218.85867307335	989737.3170250766	39.59296557654285	-100.6079387	361961.5536195476	4338316.353400483	2808.186780656973	2708.2067782132494	2684.940894826879	2684.940894826879	21.46982825054074
646	301	221906	42218.85867307335	989737.3170250766	39.5929618476517	-100.6052532	362162.531045347	4338312.34717433	2806.10674190765	2706.10674190765	2688.319819950507	2688.319819950507	11.66982401104335
647	301	221907	42218.85867307335	989737.3170250766	39.59295807354452	-100.6029126	362363.5083886757	4338308.34116592	2799.659201307516	2704.016454802227	2690.596257	2690.596257	15.95049481
648	301	221908	42218.85867307335	989737.3170250766	39.59295422421238	-100.6005721	362594.45525786	4338304.35537803	2797.67019623573	2701.367521765232	2688.549529752446	2688.549529752446	13.302098924265
649	301	221909	42218.85867307335	989737.3170250766	39.59295046962629	-100.5981218	362785.4525424247	4338300.36936298	2796.428277	2701.367521765232	2688.549529752446	2688.549529752446	13.302098924265
650	301	221910	42218.85867307335	989737.3170250766	39.5929467592655	-100.595581	362996.4342755656	4338296.32460839	2794.273045864084	2697.821194200003	2679.48038324958	2679.48038324958	18.1640195987025
651	301	221911	42218.85867307335	989737.3170250766	39.59294252	-100.5935054	363167.4161938904	4338292.31931546	2793.274684884783	2695.78178582514	2677.96078351471	2678.2117851413244	17.573065280722
652	301	221912	42218.85867307335	989737.3170250766	39.59293852476364	-100.591209	363368.3928283646	4338288.3410971527	2790.623272407314	2793.742562493813	2677.508227987096	2677.508227987096	17.573065280722
653	301	221913	42218.85867307335	989737.3170250766	39.59293447396512	-100.5888693	363569.3993231086	4338284.30971327	2790.623272407314	2793.742562493813	2677.508227987096	2677.508227987096	17.573065280722
654	301	221914	42218.85867307335	989737.3170250766	39.592930874951	-100.586528	363770.3457061676	4338278.305067673	2789.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
655	301	221915	42218.85867307335	989737.3170250766	39.5929269251073	-100.584217	363976.301099883	4338272.301099883	2788.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
656	301	221916	42218.85867307335	989737.3170250766	39.5929230450303	-100.5818717	364172.2940545303	4338266.2940545303	2787.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
657	301	221917	42218.85867307335	989737.3170250766	39.592919784559424	-100.5795071	364373.204421933	4338266.2940545303	2786.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
658	301	221918	42218.85867307335	989737.3170250766	39.59291357419037	-100.577166	364574.249893881	4338266.2940545303	2785.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
659	301	221919	42218.85867307335	989737.3170250766	39.592909525410355	-100.5748261	364775.2256157445	4338266.2940545303	2784.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
660	301	221920	42218.85867307335	989737.3170250766	39.59290584954515	-100.5724855	364976.210270966	4338266.2940545303	2783.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
661	301	221921	42218.85867307335	989737.3170250766	39.59290148635454	-100.570145	365177.1766707681	4338266.2940545303	2782.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
662	301	221922	42218.85867307335	989737.3170250766	39.59289703001777	-100.5678044	365378.1525043247	4338266.2940545303	2781.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
663	301	221923	42218.85867307335	989737.3170250766	39.5928935845555	-100.565439	365579.1247400093	4338266.2940545303	2780.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
664	301	221924	42218.85867307335	989737.3170250766	39.59288995967648	-100.5631233	365780.10284645	4338266.2940545303	2779.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
665	301	221925	42218.85867307335	989737.3170250766	39.592886247682005	-100.5607828	365981.0772317934	4338266.2940545303	2778.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
666	301	221926	42218.85867307335	989737.3170250766	39.5928827447161	-100.5584422	366182.0521	4338266.2940545303	2777.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
667	301	221927	42218.85867307335	989737.3170250766	39.59287930664539	-100.5561071	366383.2802419023	4338266.2940545303	2776.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
668	301	221928	42218.85867307335	989737.3170250766	39.59287574032474	-100.5537611	366584.01303543	4338266.2940545303	2775.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
669	301	221929	42218.85867307335	989737.3170250766	39.59287185761867	-100.5514177	366785.0178511867	4338266.2940545303	2774.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
670	301	221930	42218.85867307335	989737.3170250766	39.5928678947514	-100.5490081	366986.95054621	4338266.2940545303	2773.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
671	301	221931	42218.85867307335	989737.3170250766	39.59286393018167	-100.5467395	367186.942254475	4338266.2940545303	2772.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
672	301	221932	42218.85867307335	989737.3170250766	39.5928594025676145	-100.544339	367387.89827814326	4338266.2940545303	2771.659217945238	2689.819783533202	2672.5083075052982	2672.5083075052982	17.573065280722
673	301	221933	42218.85867307335	989737									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtLog.s	SatHtBoth.ft
13	2012013	-363021.1413	9903937.3170250766	39.58809081556673	-102.0867787	234912.8130940102	3386593.902275795	3716.868664475759	3977.1559197	3545.913756672053	3541.366854564277	351.2421603896697	55.7890624764259	
14	2012014	-362361.1413	9903937.3170250766	39.58811561621806	-102.0844385	235131.9150735726	3695899.75	3726.685140673974	3595.363437317397	3544.23063665211	3541.33319581748518	351.2327162565626	54.5313655584541	
15	2012015	-361701.1413	9903937.3170250766	39.58814046327287	-102.0820983	235315.0167969034	3489565.68582523	3737.684671383387	3593.707132904368	3542.410159241413	3540.722897519902	351.56884356418974	53.2516739692324	
16	2012016	-361041.1413	9903937.3170250766	39.588165251818824	-102.0774581	235511.1124556947	3489564.48227115	3743.8697178255338	3592.406800072197	3540.9213061348114	3540.099373083072	351.45854083730837	52.307066232987836	
17	2012017	-360381.1413	9903937.3170250766	39.588189928569696	-102.0774179	235717.21943840792	3489567.7119993378	3750.053835381689	3590.84421	3539.4923758246478	3539.23056695147	351.35183403585233	51.6340269145435	
18	2012018	-359721.1413	9903937.3170250766	39.588214593797996	-102.0750777	235918.3206941423	3489567.316996372	3756.23195241184	3590.751965454084	3538.0611780911586	3538.042486174229	351.23138931464564	51.25040123157522	
19	2012019	-359061.1413	9903937.3170250766	39.58823921383073	-102.0727376	236119.4210387967	3489569.02401477	3757.279559410037	3590.75253558164	3536.497295	3536.680865	351.25456871806379	51.0713810089422	
20	2012020	-358401.1413	9903937.3170250766	39.588263379	-102.0703974	236320.52144675704	3489564.87864344	3753.158327596765	3586.2236493787796	3534.672626679029	3533.013805183169	351.4545269975036	51.2098419661046	
21	2012021	-357741.1413	9903937.3170250766	39.5882883162628	-102.0680272	236521.6219959514	3489560.733308113	3758.406969578814	3583.207132904368	3532.204917199836	3532.50687514468	352.50221519453662	50.22647382992304	
22	2012022	-357081.1413	9903937.3170250766	39.588312802710175	-102.065717	236722.7214702489	3489565.588195715	3744.929071596897	3583.207132904368	3529.5310524229943	3529.79051071411823	353.0719637989854	51.43225601971054	
23	2012023	-356421.1413	9903937.3170250766	39.5883374191521	-102.0633768	236923.8214018844	3489565.44333174	3743.873891201396	3581.7118412048076	3527.4964839658104	3527.905753180876	352.1537180899713	53.80426588672481	
24	2012024	-355761.1413	9903937.3170250766	39.588361635924464	-102.0610366	237124.92046853644	3489564.29865339	3749.6156216008	3580.2354764604547	3526.121496603029	3526.719655794523	351.41397895174071	53.5159106693914	
25	2012025	-355101.1413	9903937.3170250766	39.588385984728845	-102.0586964	237326.01967245572	3489564.15218249	3755.90413452747	3578.762813452577	3525.0460775754104	3525.758493453702	353.7302037609701	53.017787888780276	
26	2012026	-354441.1413	9903937.3170250766	39.5884102832834	-102.0563562	237527.11841627327	3489564.01007571	3719.1181782421454	3577.34553203331	3524.0319502378174	3525.5135923457333	353.7020263031348	51.592234868777	
27	2012027	-353781.1413	9903937.3170250766	39.58843546722915	-102.0540416	237728.21700047492	3489565.866	3714.17527205979	3575.910556	3522.989909	3524.318647843482	352.6346692970124	51.81933081737199	
28	2012028	-353121.1413	9903937.3170250766	39.588458759912506	-102.0516768	237929.31523410765	3489561.72220324	3711.07196654205	3574.50421346509	3521.816370440036	3522.8411812959031	352.6874300029216	51.6624005003801	
29	2012029	-352461.1413	9903937.3170250766	39.58848292789705	-102.0493356	238130.4133865813	3489565.75237337	3707.97172124875	3573.11520918246	3520.609649230437	3521.1156687481796	352.5054786118075	51.99951634368381	
30	2012030	-351801.1413	9903937.3170250766	39.58850750676526	-102.0469954	238331.511939561	3489563.9141384	3704.878045842678	3571.743203247154	3519.363571144662	3519.462396146236	352.7395311845362	52.27396584643943	
31	2012031	-351141.1413	9903937.3170250766	39.58853131	-102.0446552	238532.6088361606	34895619.2923224525	3701.86274332645	3570.388231240786	3518.756010512543	3517.97880639618	352.6322061153556	50.6124241736083	
32	2012032	-350481.1413	9903937.3170250766	39.588555160631955	-102.042315	238733.7061263436	34895615.14942939	3699.02187138967	3569.049737699099	3518.7685122648336	3522.7391245307651	352.7391245307651	46.31080097493446	
33	2012033	-349821.1413	9903937.3170250766	39.58857914779598	-102.0399748	238934.8031549142	3489561.00862208	3696.15041041485	3568.176474245634	3526.989289583657	3527.4947919723436	352.7497919723436	46.31080097493446	
34	2012034	-349161.1413	9903937.3170250766	39.58860749774564	-102.0373436	239135.8995246307	3489565.86440842	3693.279074268004	3566.4118557304896	3516.652674248585	3527.95097263462	352.7497919723436	46.31080097493446	
35	2012035	-348401.1413	9903937.3170250766	39.5886359290824	-102.034854	239336.9212220248	3489562.22220248	3690.48490420246	3564.22224187163	3515.183018991245	3528.4545718991245	352.7497919723436	46.31080097493446	
36	2012036	-347741.1413	9903937.3170250766	39.58865803805591	-102.0323541	239538.9208939518	3489563.948598	3695.2765509155	3563.820402058505	3512.018282390045	3527.2422155477216	352.7497919723436	46.31080097493446	
37	2012037	-347181.1413	9903937.3170250766	39.58867464339584	-102.0306138	239739.18868477558	3489563.848316972	3696.55462378077	3563.820402058505	3512.018282390045	3527.2422155477216	352.7497919723436	46.31080097493446	
38	2012038	-346521.1413	9903937.3170250766	39.58869840553566	-102.0282737	239940.2842245882	3489560.29702273	3699.854262	3561.283349428244	3507.46379366503	3525.10331474416	352.7497919723436	46.31080097493446	
39	2012039	-345861.1413	9903937.3170250766	39.58872212146734	-102.0259335	240141.3799	3489646.196	3700.796031476273	3560.09217002931	3505.455478867888	3525.10331474416	352.7497919723436	46.31080097493446	
40	2012040	-345201.1413	9903937.3170250766	39.58874592193436	-102.0235933	240342.45712525797	3489642.014646737	3700.39763526637	3558.7685048578025	3503.8898172416366	3525.10331474416	352.7497919723436	46.31080097493446	
41	2012041	-344541.1413	9903937.3170250766	39.58876941771481	-102.0212531	240543.5700913268	3489643.87808582	3699.9658587698913	3557.2665856168813	3503.8898172416366	3525.10331474416	352.7497919723436	46.31080097493446	
42	2012042	-343881.1413	9903937.3170250766	39.58879219802814	-102.0189128	240744.66408200246	3489643.87808582	3699.9658587698913	3557.2665856168813	3503.8898172416366	3525.10331474416	352.7497919723436	46.31080097493446	
43	2012043	-343221.1413	9903937.3170250766	39.58881653313813	-102.0165726	240945.7950258418	3489649.59279955	3701.569178044322	3555.1312617343747	3500.691481877003	3525.908295717937	354.6343286	51.43226014378765	
44	2012044	-342561.1413	9903937.3170250766	39.58884032041634	-102.0142324	241146.85344827688	3489645.453	3705.952348622246	3549.8509051442125	3545.49426239175	3545.49426239175	354.6343286	51.43226014378765	
45	2012045	-341901.1413	9903937.3170250766	39.58886347	-102.0118922	241347.8473877664	3489641.12688368	3700.333515612017	3552.7456914949	3499.106907235456	3540.063707965392	353.6362287795372	51.43226014378765	
46	2012046	-341241.1413	9903937.3170250766	39.5888966723133	-102.0095519	241549.040171216252	3489641.12688368	3714.816684395909	3551.5655687166011	3498.4120520240716	3534.765677756828	353.6362287795372	51.43226014378765	
47	2012047	-340581.1413	9903937.3170250766	39.5889102151739	-102.0072117	241750.1349888716	3489643.34377059	3720.804701140216	3550.3947159936364	3497.715542568976	3529.62104396326	352.7497919723436	51.43226014378765	
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49	2012049	-339261.1413	9903937.3170250766	39.588956794471805	-102.0025312	242152.3206872907	3489645.75163979	3727.0393041193247	3548.056478732173	3498.656911050137	3521.7651683367191	351.9996742	51.43226014378765	
50	2012050	-338601.1413	9903937.3170250766	39.588980013140045	-102.0000191	242353.4124857628	3489640.6134255	3725.1673950710306	3546.893001247845	3496.169212697495	3517.2485453100456	350.7278855019679	51.43226014378765	
51	2012051	-337941.1413	9903937.3170250766	39.589003186602234	-101.9978508	242554.5056548332	3489643.674790655	3724.89579792937	3545.730624973156	3495.280694339593	3512.987392422432	350.7278855019679	51.43226014378765	
52	2012052	-337281.1413	9903937.3170250766	39.589026314853696	-101.9955105	242755.59780627492	3489642.339378406	3724.5800451140947	3544.568075667723	3494.444259366288	3509.07321961054	350.7278855019679	51.43226014378765	
53	2012053	-336621.1413	9903937.3170250766	39.58904937908376	-101.9931703	242956.68970310193	3489641.20132268	3723.3139025785	3543.4031012106357	3493.46904312094	3508.28214562197	350.7278855019679	51.43226014378765	
54	2012054	-335961.1413	9903937.3170250766	39.58907243575219	-101.9908301	243157.7813455189	3489644.63310641	3738.58229540176	3542.34416587403	3491.95420772214	3501.1697573145743	350.7278855019679	51.43226014378765	
55	2012055	-335301.1413	9903937.3170250766	39.589095325790246	-101.9884954	243358.869790246	3489643.87808582	3748.024056796927	3541.283349428244	3490.691481877003	3521.7651683367191	350.7278855019679	51.43226014378765	
56	2012056	-334641.1413	9903937.3170250766	39.58911837525219	-101.986146	243559.9366795028	3489645.78110043	3759.058058181965	3539.881831505115	3498.73472696474	3496.7307	350.7278855019679	51.43226014378765	
57	2012057	-333981.1413	9903937.3170250766	39.58914127804621	-101.9838093	243761.0547483923	3489641.51699716	3718.170802771137	3538.695115446494	3484.4208817458	3495.4154570			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BREVELogsKgf.	BREVEBothKgf.	SatHLogs.f	SatHBoth.f
139	201	22142	-279861.1413	9903937.3170250766	39.50086519437954	-171.7919045	426029.66314724006	4386073.1598910074	3634.163857487477	3427.2628916355734	3317.911851124775	3313.163508648157	33.95104051078961	114.0939384671645
140	201	22140	-279201.1413	9903937.3170250766	39.50084561	-171.7958464	426040.73358119458	4386069.041169853	3631.335834898142	3426.2759974770028	3316.5286928612713	3308.57177776996	117.703279636369	117.703279636369
141	201	22141	-279681.1413	9903937.3170250766	39.500902367411413	-171.7872238	426051.8030919645	4386072.8227531818	3628.3194889147	3425.30426789238	3314.160258628614	3302.90280423507	11.1446714163876	121.02432474688739
142	201	22142	-277881.1413	9903937.3170250766	39.50092273367813	-171.7894834	426052.87640217458	4386070.9604105065	3625.687900498436	3424.39718721089	3313.64639490429	3309.1171709147	11.7033237962318	125.235476236183
143	201	22143	-277221.1413	9903937.3170250766	39.50094174800536	-171.7825431	426103.434366803936	4386066.68662484	3622.329744417871	3423.10548538625	3313.099556480593	3298.59003	112.1005928905662	124.82054523159468
144	201	22144	-276561.1413	9903937.3170250766	39.50096071712274	-171.7802027	426155.21053105	4386065.68662484	3618.438751237777	3422.487556790133	3310.069956539635	3301.013505243272	11.147786225049	121.474033366404
145	201	22145	-275901.1413	9903937.3170250766	39.50097964100337	-171.778623	426156.0486282158016	438604.451326005	3614.5477581300847	3421.880304018843	3308.7067481179197	3302.697845147105	112.873584923366	118.8824848947138
146	201	22146	-275241.1413	9903937.3170250766	39.50098519772371	-171.775522	426167.151931161	438604.432403992	3610.65674986192	3420.869534841976	3307.93891189862	3303.32912547906	113.4480942939543	117.3194093606697
147	201	22147	-274581.1413	9903937.3170250766	39.50101735	-171.7731816	426168.2285130647	438604.021686574	3608.76826811871	3419.806429829253	3306.96981582914	3303.1457015562342	114.1153615562342	111.5692726729011
148	201	22148	-273921.1413	9903937.3170250766	39.50103614	-171.770413	426169.28946402445	438603.5611071394	3606.48231340772	3418.835873790592	3304.34943014574	3302.64305165902	114.589436430179	116.2255682648992
149	201	22149	-273261.1413	9903937.3170250766	39.5010548456128	-171.7685009	426260.3677871995	438603.9831	3594.96634302724	3418.076447928163	3303.625486139415	3302.596213	114.45218831422141	115.47843493324036
150	201	22150	-272601.1413	9903937.3170250766	39.50107352419035	-171.766105	426261.426051997	4386027.86708206	3588.5103733976257	3417.22056813332	3303.90400189755	3313.3165679435796	111.8814417261405	117.703279636369
151	201	22151	-271941.1413	9903937.3170250766	39.50109232056671	-171.7638201	426262.4940020713	4386023.75002333	3587.688532507764	3416.319307574784	3304.862002183767	3304.594900334356	111.50897563837178	111.7700232312529
152	201	22152	-271281.1413	9903937.3170250766	39.5011184250431	-171.7614798	426263.5611717365	4386019.63482471	3588.530924884412	3415.5270445153064	3305.921069384513	3305.8662930030827	109.60493757685117	109.606352147776
153	201	22153	-270621.1413	9903937.3170250766	39.50112940473175	-171.7591394	426304.6291890455	4386015.51818005	3591.3712264519	3414.884541147768	3306.7749893777905	3304.89535160917235	107.9096517699758	107.1001052466097
154	201	22154	-269961.1413	9903937.3170250766	39.50114782174901	-171.756779	426325.0964322803	4386011.403711529	3593.215416347029	3413.84113370209	3307.342628676029	3315.510331157224	106.5005303942698	106.52281015457653
155	201	22155	-269301.1413	9903937.3170250766	39.5011663556065	-171.754586	426346.763415761	4386007.28484388	3592.797991300598	3413.01765748107	3307.34659816988	3307.6702723179237	105.6521693311927	105.3314534301634
156	201	22156	-268641.1413	9903937.3170250766	39.50118482015287	-171.7521183	426367.8302174895	4386003.173369922	3590.119971	3412.105955235453	3306.879613872311	3307.744377	105.629716500412328	104.41518452473426
157	201	22157	-267981.1413	9903937.3170250766	39.501203	-171.7497779	426388.967602289	4385999.058433777	3587.44224273681	3411.31599098508	3305.832618585805	3306.576951975528	105.4833723996176	104.73904018997428
158	201	22158	-267321.1413	9903937.3170250766	39.50121537715604	-171.747375	426409.9637002025	4385994.94323391	3587.8844764749941	3410.70610429348	3304.161153648658	3304.94300334356	105.702461783917483	105.702461783917483
159	201	22159	-266661.1413	9903937.3170250766	39.50123802868145	-171.7450971	426421.0219741095	4385990.42935761	3581.598077442783	3409.62346607238	3304.62882692923	3307.71797638203	105.624777754593	106.9076684386155
160	201	22160	-266001.1413	9903937.3170250766	39.50125807444598	-171.7427568	426447.09509141906	4385986.15369832	3577.939121869991	3408.774925044252	3309.410552046515	3309.504704912023	105.8422401513593	106.9076684386155
161	201	22161	-265341.1413	9903937.3170250766	39.5012791627469096	-171.7398174	426478.5496820686	4385982.91429887	3579.9224369891	3408.92524358294	3309.33486596284	3308.33486596284	105.737031964865	107.008219589697
162	201	22162	-264681.1413	9903937.3170250766	39.5012944032553	-171.738076	426474.220834937	4385978.487713271	3579.616750118418	3407.8784282753	3309.557869494927	3309.42823983293	113.5169738201104	113.6520119294033
163	201	22163	-264021.1413	9903937.3170250766	39.5013125404492	-171.7357356	426507.2512315215	4385974.37422058	3568.510798916746	3406.270902373925	3309.596472889658	3309.2156204383654	115.622403299699	116.00836085342612
164	201	22164	-263361.1413	9903937.3170250766	39.5013306536314	-171.7339352	426526.56134782263	4385970.26096111	3567.93120451267	3405.39059085741	3307.89972063327	3308.17922769418	117.45028989433344	117.1797818935535
165	201	22165	-262701.1413	9903937.3170250766	39.5013482606614	-171.7310548	426547.4208325972	4385967.14706353	3567.367482846565	3404.495828308285	3306.861335153036	3306.848671750248	107.6115454207327	107.6115454207327
166	201	22166	-262041.1413	9903937.3170250766	39.5013665958051	-171.7287144	426567.4852806336	4385962.03584793	3566.790424095953	3403.6301372105456	3304.6275608109877	3304.6275608109877	115.00226736995789	115.00226736995789
167	201	22167	-261381.1413	9903937.3170250766	39.501385138684025	-171.7257471	426587.9496820686	4385957.3224369891	3565.9224369891	3402.932524369891	3304.33486596284	3308.33486596284	105.737031964865	107.008219589697
168	201	22168	-260721.1413	9903937.3170250766	39.501402412911314	-171.723037	426608.6134989375	4385950.11017247	3565.6507335	3401.89109251684	3302.71060325902	3306.866118410957	117.40849595728136	117.40849595728136
169	201	22169	-260061.1413	9903937.3170250766	39.501420251771664	-171.7216933	426621.677260576	4385950.87662251	3556.77165416428	3401.016197492534	3301.62582994367	3302.468009364713	119.9837391978167	105.4818813254315
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171	201	22171	-258741.1413	9903937.3170250766	39.50145753860185	-171.7170125	426663.8040907785	4385941.473432264	3550.1066890302	3399.26293	3302.783034399106	3302.783034399106	116.76255300636	111.6325334290418
172	201	22172	-258081.1413	9903937.3170250766	39.50147349708825	-171.7146721	426684.8671606521	4385937.36252761	3548.4537034928417	3398.3847157167784	3302.76191971	3302.76191971	121.4655446288884	113.06520428994057
173	201	22173	-257421.1413	9903937.3170250766	39.50149115510598	-171.7123317	426705.9030005927	4385933.251968909	3546.807173185305	3397.50689789275	3302.617561769993	3302.617561769993	122.2747171760757	114.4169785889895
174	201	22174	-256761.1413	9903937.3170250766	39.5015087391059	-171.7098174	426726.9201103026	4385929.14031096	3545.15720777803	3396.528411655927	3302.51940534481	3302.51940534481	123.113321221467	117.008219589697
175	201	22175	-256101.1413	9903937.3170250766	39.50152643550775	-171.7076589	426748.0559491842	4385925.039765124	3543.03198439409	3395.756570761046	3302.5155588808785	3302.5155588808785	124.19086457118	116.56653502122785
176	201	22176	-255441.1413	9903937.3170250766	39.50154385789178	-171.7053105	426769.1173454572	4385920.919117176	3541.761826051474	3394.893760795374	3309.5273802318434	3307.775451073294	125.366305530358	116.9391497221452
177	201	22177	-254781.1413	9903937.3170250766	39.50156163305532	-171.7029701	426790.179660517	4385916.80808951	3537.864573824253	3394.05714310219	3307.26993825047	3307.26993825047	126.77576058196	118.7740375918989
178	201	22178	-254121.1413	9903937.3170250766	39.50157876702784	-171.7006297	426809.2407597827	4385912.69862137	3535.27696970844	3393.211813474696	3306.120015178233	3306.120015178233	128.091801896412	125.009850387565
179	201	22179	-253461.1413	9903937.3170250766	39.501596157379314	-171.6982893	426822.302248021	4385908.588759028	3532.286149849544	3392.392310207348	3306.061999760567	3306.061999760567	129.3303734029146	126.7842172995701
180	201	22180	-252801.1413	9903937.3170250766	39.50161349531971	-171.6959489	426843.36341445205	4385904.479651675	3528.89512466092	3391.5673450513704	3305.74145453103	3305.74145453103	130.2292596420088	128.537421601702
181	201	22181	-252141.1413	9903937.3170250766	39.50163196739684	-171.6936184	426864.5196859564	4385900.341453214	3526.9478468463214	3390.6447140378384	3305.415871373128	3305.415871373128	131.15871373128	129.642194235116
182	201	22182	-251481.1413	9903937.3170250766	39.50165044727616	-171.6912681	426885.4852054997	4385896.263057528	3524.10218433164	3390.02603674445	3305.789023931346	3305.789023		

ix	iy	x	Y.Frt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.f	BREIElevKrg.f	SatHtKrg.f	SatHtBoth.f	
265	301	222626	-196701.1413	990397.3170250766	39.59292227640087	-101.4970108	285852.7569411006	438555.971821369	3406.151441191526	3372.1622831355653	3336.3293084517598	3374.614590074203	337.8329746840895	135.54769300136222
266	301	222626	-196041.1413	990397.3170250766	39.59253572971304	-101.48464703	285783.798653423	438555.881331393	3403.785250406695	3271.32820060573	3332.3417272659564	3371.1953840933305	338.067073650567	134.1288958742222
267	301	222627	-195821.1413	990397.3170250766	39.59264915777112	-101.483236	28584.8402	438554.4719354549	3399.503094735284	3332.175683900742	3332.333044172784	3371.333044172784	135.854823807287	134.1288958742222
268	301	222628	-194721.1413	990397.3170250766	39.59026550061635	-101.4899993	286185.821484886	438554.701020308	3402.838947382055	3332.4064150997733	3339.6278355865746	335.2810272368423	128.060714513095	128.060714513095
269	301	222629	-194061.1413	990397.3170250766	39.59297581824747	-101.4874688	286386.9238801457	438555.361201464	3402.9973781	3326.8834316818193	3333.334819531887	335.24861241693207	121.9348162169773	121.9348162169773
270	301	22270	-193401.1413	990397.3170250766	39.59297581824747	-101.4853083	286587.9654002585	438555.152016764	3404.1554717396316	3324.752103368662	334.7631559993435	329.336162738597	117.733622634091	117.733622634091
271	301	22271	-192741.1413	990397.3170250766	39.59300231786845	-101.4829678	286789.0067140037	438555.3142228814	3371.1760409149733	3362.310806559742	335.2475181414266	335.104369560799742	126.83297814266	126.83297814266
272	301	22272	-192081.1413	990397.3170250766	39.593015499856296	-101.4806273	286980.0478162746	438555.4333097114	3386.84571795806	3340.54466991943	3336.288670638446	335.24751814266	110.1517417423704	110.1517417423704
273	301	22273	-191421.1413	990397.3170250766	39.593028635452	-101.4792368	2871.9168708778	438555.4333097114	3386.84571795806	3340.54466991943	3336.288670638446	335.24751814266	110.1517417423704	110.1517417423704
274	301	22274	-190761.1413	990397.3170250766	39.59304172819648	-101.4759453	2873.92123932124	43855.191542015	3392.90411505402	3352.06580298936	3336.45562387458	334.74930280441186	120.402123841186	120.402123841186
275	301	22275	-1900101.1413	990397.3170250766	39.5930547454484	-101.4736058	287583.169688289	438555.105678586	3397.439948910545	3355.336217588417	3348.19752404015	335.24751814266	107.13978317531069	107.13978317531069
276	301	22276	-189441.1413	990397.3170250766	39.59306777567928	-101.472653	287794.2012130751	43855.1098	3379.257476758653	3353.632061303327	3339.14324409573	334.6581819861726	118.59071896236992	104.7387931715457
277	301	22277	-188781.1413	990397.3170250766	39.59308073159784	-101.4689248	287995.2501949804	43855.1098	3371.07500442656	3351.943348457139	3339.792563057907	335.24751814266	102.458697956138	102.458697956138
278	301	22278	-188121.1413	990397.3170250766	39.593093642306414	-101.4665843	288196.29004241293	43855.1098	3372.8923192144673	3350.27161255698	3336.3293084517598	335.24751814266	99.5346170310813	99.5346170310813
279	301	22279	-187461.1413	990397.3170250766	39.59310650779902	-101.4642348	288397.3298841084	438548.72534437	3353.91982199733	3348.618267598814	3331.33727919722	335.24751814266	95.2883433895848	95.2883433895848
280	301	22280	-186801.1413	990397.3170250766	39.5931193207768	-101.4611033	288598.3691179724	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	91.8316892431206	91.8316892431206
281	301	22281	-186141.1413	990397.3170250766	39.593123103142324	-101.4596268	288799.4083442128	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	88.2807270562128	88.2807270562128
282	301	22282	-185481.1413	990397.3170250766	39.5931432939294	-101.4572223	289004.447363304	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	85.45239002752164	85.45239002752164
283	301	22283	-184821.1413	990397.3170250766	39.59315751762951	-101.4548818	289201.4861764403	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	82.53970534	82.53970534
284	301	22284	-184161.1413	990397.3170250766	39.5931701505197	-101.4525413	289402.1770274235	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	79.64675911913037	79.64675911913037
285	301	22285	-183501.1413	990397.3170250766	39.5931827126032	-101.4502008	289603.6513765914	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	76.7240727400774	76.7240727400774
286	301	22286	-182841.1413	990397.3170250766	39.5931953025454	-101.4478063	289804.6013652954	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	73.715240759518	73.715240759518
287	301	22287	-182181.1413	990397.3170250766	39.59320784024542	-101.445191	290005.6389309007	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	70.756879306507	70.756879306507
288	301	22288	-181521.1413	990397.3170250766	39.5932205260577	-101.4431793	290206.672316539	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	67.7512545254709	67.7512545254709
289	301	22289	-180861.1413	990397.3170250766	39.593232675958355	-101.4408388	290407.7148	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	64.842633236935	64.842633236935
290	301	22290	-180201.1413	990397.3170250766	39.59324504	-101.4384983	290608.7521172057	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	61.946868419713	61.946868419713
291	301	22291	-179541.1413	990397.3170250766	39.593257367018985	-101.4361578	290809.7898332518	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	59.0468780248256	59.0468780248256
292	301	22292	-178881.1413	990397.3170250766	39.59326964722788	-101.4338173	291010.826885001	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	56.0468780248256	56.0468780248256
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294	301	22294	-177561.1413	990397.3170250766	39.5932940456429	-101.4291362	291412.8998518336	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	50.0468780248256	50.0468780248256
295	301	22295	-176901.1413	990397.3170250766	39.5933050656874	-101.4267957	291613.9352631107	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	47.0468780248256	47.0468780248256
296	301	22296	-176241.1413	990397.3170250766	39.59331830430299	-101.4244552	291814.9720629004	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	44.0468780248256	44.0468780248256
297	301	22297	-175581.1413	990397.3170250766	39.59333035055479	-101.4221147	292016.007995164	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	41.0468780248256	41.0468780248256
298	301	22298	-174921.1413	990397.3170250766	39.593342361480254	-101.4197742	292217.043723104	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	38.0468780248256	38.0468780248256
299	301	22299	-174261.1413	990397.3170250766	39.59335422888876	-101.4173327	292418.052475345	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	35.0468780248256	35.0468780248256
300	301	22300	-173601.1413	990397.3170250766	39.5933662656242	-101.4150911	292619.1146694084	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	32.0468780248256	32.0468780248256
301	301	22301	-172941.1413	990397.3170250766	39.59337810946182	-101.4127528	292810.149685058	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	29.0468780248256	29.0468780248256
302	301	22302	-172281.1413	990397.3170250766	39.5933993502669	-101.4104121	293021.1849587687	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	26.0468780248256	26.0468780248256
303	301	22303	-171621.1413	990397.3170250766	39.59340171537702	-101.4080716	293222.219309387	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	23.0468780248256	23.0468780248256
304	301	22304	-170961.1413	990397.3170250766	39.59341345051279	-101.4057311	293423.258171162	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	20.0468780248256	20.0468780248256
305	301	22305	-170301.1413	990397.3170250766	39.59342514	-101.4033095	293624.288121655	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	17.0468780248256	17.0468780248256
306	301	22306	-169641.1413	990397.3170250766	39.59343651140625	-101.40106	293825.322	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	14.0468780248256	14.0468780248256
307	301	22307	-168981.1413	990397.3170250766	39.5934478019568	-101.3987919	294026.3589309007	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	11.0468780248256	11.0468780248256
308	301	22308	-168321.1413	990397.3170250766	39.5934595399093	-101.396369	294227.389221661	43854.785188459	3344.15687428057	3326.9811637475627	3326.6647343821453	335.24751814266	8.0468780248256	8.0468780248256
309	301	22309	-167661.1413	990397.3170250766	39.5934714797261	-101.3940285	294428.4							

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
391	301	222391 -113541.1413	9903937.3170250766	39.59426132366701	-101.2021032	101912.5029246161	385042.322321512	3285.966201569593	3099.46034896434	3002.289582334406	2977.3783249965804	917.193973090355	122.08202366776369
392	301	222392 -112881.1413	9903937.3170250766	39.59426907964337	-101.1992767	101113.5203849688	385038.260760033	3284.10887480673	3097.3042481973624	3001.687564364785	2976.544160141314	916.6428817626388	121.6903218323006
393	301	222393 -112221.1413	9903937.3170250766	39.594272114557675	-101.1874221	101143.537602161	385024.198632493	3283.251548046598	3097.196133276686	3001.2261683390493	2975.788985213024	916.597173515283	121.407173515283
394	304	222394 -111561.1413	9903937.3170250766	39.594284456547406	-101.1906715	101155.5457513816	385030.136502871	3280.394212869133	3096.057841907372	3000.79036396934	2973.717503	915.277202838979	121.3403607970218
395	301	222395 -110901.1413	9903937.3170250766	39.59429207707504	-101.1927409	101176.5165839616	385026.074707171	3278.468808884575	3094.796439791053	3000.204669622784	2972.253770577805	914.7095801682689	122.662792131725
396	301	222396 -110241.1413	9903937.3170250766	39.594299652386425	-101.1904004	101197.58838146867	385022.011333384	3276.473351830623	3093.7104723597494	2999.859597241882	2970.7408171784903	913.9017663556118	122.0356763556118
397	301	222397 -109581.1413	9903937.3170250766	39.59430718248151	-101.1880598	101218.604280593	385017.951874248	3274.881127890558	3092.621787651736	2999.57493194927	2969.883063050445	913.60480831	122.3878134669167
398	301	222398 -108921.1413	9903937.3170250766	39.594314667360294	-101.1857192	101239.612766075	385013.890651505	3272.4838314741848	3091.4704336681484	2990.459641461642	2971.5699940430144	913.07192505027	119.903495740044
399	301	222399 -108261.1413	9903937.3170250766	39.594322114557675	-101.1833768	101260.6347849054	385009.829734303	3270.378191649316	3090.3618296883	2989.6462496901033	2970.63662226168	912.6989105	119.5761178272688
400	301	222400 -107601.1413	9903937.3170250766	39.59432950146893	-101.1810378	101271.653443843	385005.769507171	3269.735217552145	3089.153093632003	2989.45332	2979.1674017194879	912.656893579037	109.95368167125
401	222401 -106941.1413	9903937.3170250766	39.59433685068875	-101.1788975	101292.6622464888	385001.708928214	3268.564318774455	3087.99678	3088.5911802671785	2988.177706169	88.4056	103.809602006103	
402	222402 -106281.1413	9903937.3170250766	39.59434415471219	-101.1763569	101313.6846862655	384997.648350317	3267.34019937464	3086.83144872494	3089.3716316219734	2988.921896581723	87.45981710252181	97.90955214	
403	222403 -105621.1413	9903937.3170250766	39.59435141350927	-101.1740163	101334.703324700	384993.58239672	3266.017417819935	3085.942593290738	3089.209693226432	2988.545226346623	86.45322606411492	92.1170966807565	
404	222404 -104961.1413	9903937.3170250766	39.59435862708998	-101.1716757	101355.715568796	384989.528530874	3264.43644412896	3084.915636118617	3089.145630131639	2989.139856361955	85.3106059272255	86.277579766619	
405	222405 -104301.1413	9903937.3170250766	39.59436579545228	-101.1693351	101376.7306454413	384985.488963913	3263.585426472693	3083.91539817268	3089.7785162782676	2987.474087384133	85.47473444876	85.844417856058	
406	222406 -103641.1413	9903937.3170250766	39.59437291890216	-101.1669846	101397.745540074	384981.40989778	3261.271408220725	3082.148804384214	3088.195784133396	2995.5863526178346	85.9530207807457	86.5624517637958	
407	222407 -102981.1413	9903937.3170250766	39.59437999533625	-101.164654	101418.7625389315	384977.350465465	3259.17203144008	3080.980521128358	3088.5934975887557	2994.058769802187	84.465452599802	86.8947520433573	
408	222408 -102321.1413	9903937.3170250766	39.59438709248644	-101.1623134	101439.774857078	384973.251935365	3256.548294329455	3079.8144023188593	3089.2337505613427	2992.129131206298	84.800516884359	87.69128218	
409	222409 -101661.1413	9903937.3170250766	39.59439401674724	-101.1599728	101453.7891362476	384969.232662471	3253.9245921786305	3078.650281246094	3089.0407569380664	2990.678030180421	86.8695243080273	88.67125107	
410	222410 -101001.1413	9903937.3170250766	39.59440095096172	-101.1576322	101473.8030537197	384965.173439631	3251.300820107915	3077.4879657656807	3088.7558076010943	2989.6898017218287	89.898816458637	90.2520484385192	
411	222411 -100341.1413	9903937.3170250766	39.59440786094875	-101.1552916	101493.8217294358	384961.116102599	3248.62695207332	3076.32698953472	3084.9165061122474	2984.7262330119586	91.4098937309979	92.1003884747636	
412	222412 -99681.1413	9903937.3170250766	39.5944174094104	-101.1529511	101513.8310132373	384957.088125718	3246.928710719816	3075.167933914965	3083.171561008066	2984.152691519984	90.7272330306978	90.576788761197	
413	222413 -99021.1413	9903937.3170250766	39.59442735457675	-101.150678	101533.844769054	384953.0021505	3245.188191649316	3074.03294349834	3082.258163775004	2983.164821341885	90.512113258404	90.576174427689	
414	222414 -98361.1413	9903937.3170250766	39.594437259626	-101.148269	101553.8581771004	384949.842742567	3225.457662300261	3072.841725631921	3072.841725631921	2976.27602040505	95.7533903183227	95.654709351877	97.2076835858967
415	222415 -97701.1413	9903937.3170250766	39.59443992192426	-101.1459293	101575.8714444343	384944.8853831	3220.472620202266	3071.679674175455	3073.021752054670	2972.502813967596	86.6572921078486	99.178680207486	
416	222416 -97041.1413	9903937.3170250766	39.59444166317875	-101.1435887	101597.8863179546	384940.82	3210.732567455968	3070.516633871527	3069.479426480796	2969.1796803417	101.03721182507752	101.33695028047	
417	222417 -96381.1413	9903937.3170250766	39.5944482888522	-101.1412481	101618.9875396154	384936.713286495	3202.429253177067	3069.352201308314	3068.580661075594	2968.711848380236	103.03452032373	103.64305472280784	
418	222418 -95721.1413	9903937.3170250766	39.59445487	-101.1389075	101639.910268017	384932.714634922	3194.25237704477	3068.18566624474	3067.830427278918	2967.178339733451	106.3478233459593	106.402498931437	
419	222419 -95061.1413	9903937.3170250766	39.5944618428942	-101.136467	101660.9228172185	384928.628152718	3187.550984925718	3067.016399474768	3067.016399474768	2966.016399474768	108.512113258404	108.576174427689	
420	222420 -94401.1413	9903937.3170250766	39.59446894512	-101.1342264	101671.935105	384924.2601951453	3185.28510791228	3065.840790306613	3065.840790306613	2965.071127417178196	112.25799401284173	112.25799401284173	
421	222421 -93741.1413	9903937.3170250766	39.59447343984523	-101.131858	101692.9473788071	384920.54883641	3176.9999114112597	3064.659125236437	3064.659125236437	2964.89224642006	115.7309005044277	116.124085859531	
422	222422 -93081.1413	9903937.3170250766	39.59448079528706	-101.1295452	101714.959391615	384916.49007651	3174.746963865231	3063.4705523131397	3064.79229204121	2964.585828380182	115.572623890188	115.572623890188	
423	222423 -92421.1413	9903937.3170250766	39.59448703995554	-101.1272046	101734.97431	384912.43491351	3168.237677602405	3062.74573850031	3062.74573850031	2964.808622877538	113.44791361969783	113.44791361969783	
424	222424 -91761.1413	9903937.3170250766	39.5944903432575	-101.124864	101745.9528822764	384908.397127235	3166.4753408304563	3061.0722433694789	3061.0722433694789	2964.854039845369	110.512113258404	110.512113258404	
425	222425 -91101.1413	9903937.3170250766	39.59449967	-101.1225234	101774.99436054425	384904.2338578	3164.7191988925	3059.963535927488	3059.963535927488	2963.58133197864	109.2199989483527	109.6294700489371	
426	222426 -90441.1413	9903937.3170250766	39.5945058809618	-101.1201829	101799.94910453	384900.26905105	3159.54145449557	3058.6145449557	3058.6145449557	2962.905871422803	107.701547266013	107.701547266013	
427	222427 -89781.1413	9903937.3170250766	39.59451029696356	-101.1178422	101819.016783984	384896.21368677	3157.46280278117	3057.405056089502	3057.405056089502	2962.7814727943	106.626852555892	104.9111224414851	
428	222428 -89121.1413	9903937.3170250766	39.5945181880796	-101.1155016	101835.02725561	384892.16	3153.05639926256	3056.153069161906	3056.153069161906	2962.35999183428	105.780699767268	103.4456177321054	
429	222429 -88461.1413	9903937.3170250766	39.594521242466	-101.1131611	101855.034880012	384888.10563463	3150.063996927193	3054.8840508949156	3054.8840508949156	2962.55129570856	105.2272519521637	102.2325289738001	
430	222430 -87801.1413	9903937.3170250766	39.59453039196735	-101.1108205	101875.040089483	384884.051600555	3141.0627903991726	3053.596180627315	3054.5983655563093	2962.55129570856	104.9978150568222	101.3036281371699	
431	222431 -87141.1413	9903937.3170250766	39.5945363019303	-101.108479	101893.059604204	384879.99778771	3140.063970307889	3052.288123386747	3052.288123386747	2962.474885290917	104.55470818397	100.334152030065	
432	222432 -86481.1413	9903937.3170250766	39.59454252	-101.1061393	101914.05697425794	384875.344198303	3126.06748941897	3050.96962090037	3050.96962090037	2962.46436530173	104.5930537067596	101.03480166771	
433	222433 -85821.1413	9903937.3170250766	39.594548917686	-101.1041851	101935.04296186	384871.4681983	3124.2514549557	3049.7481983	3049.7481983	2962.46436530173	104.5930537067596	101.03480166771	
434	222434 -85161.1413	9903937.3170250766	39.59455400829654	-101.1014581	101956.0689011856	384867.837811275	3117.476476406835	3048.24220100447	3048.24220100447	2962.46436530173	104.5930537067596	101.03480166771	
435	222435 -84501.1413	9903937.3170250766	39.59455892669597	-100.991175	101975.0939997515	384863.785	3105.33804877791	3046.855257064807	3046.855257064807	2962.46436530173	104.5930537067596	101.03480166771	
436	222436 -83841.1413	9903937.3170250766	39.5945678374551	-100.9									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRElevLogKgr.f	BRElevLogKgr.f	SatHLog.f	SatHLog.f
433	301	226453	52776.8586730335	99039.37170250766	39.594785846902234	-100.61272702	361563.60897090717	43840.25.57983721	2817.1452845240754	271.1690334381589	2681.0990263644408	2681.0125740264057	3091308467148338	30.677768005183425
434	301	226454	52438.8586730335	99039.37170250766	39.594758220834936	-100.6099236	361564.5845302126	43840.21.57377038	2814.7496675694239	2709.5651671633903	2682.642374972898	2682.5049661670394	26.57297190492382	26.6501709692362
445	301	222455	49088.8586730335	99039.37170250766	39.594776242579486	-100.6078689	361565.1756945781	43840.17.5694651804	2811.38449666687	2707.428789589836	2684.5994374300378	2684.526878	22.8270534225958	22.5988164861345
446	301	222456	47444.8586730335	99039.37170250766	39.5947747559229	-100.6052483	362166.541	43840.13.560097221	2809.148121176506	2705.305330241233	2686.602995914922	2693.8514727289067	18.7033342010294	11.45485797236517
447	301	222457	455418.8586730335	99039.37170250766	39.59477012387935	-100.6029707	362367.5180126999	43840.09.554	2804.3050993730385	2703.1956812	2687.587890579834	2694.447165288732	15.59729118164613	8.748646473
448	301	222458	45078.8586730335	99039.37170250766	39.59476720196367	-100.6005671	362568.4904240485	43840.05.54803573	2797.4282435476233	2701.09614342432	2686.270760855957	2689.409116269596	11.6870241626493	11.6870241626493
449	301	222459	456738.8586730335	99039.37170250766	39.5947633272706	-100.5982265	362769.4714702233	43840.01.542334698	2790.4939075562227	2699.092211921865	2683.6236644634312	2685.051206656996	15.58669727855298	13.9580143489333
450	301	222460	457398.8586730335	99039.37170250766	39.59475942747168	-100.5958859	362970.448406316	43839.97.546334348	2783.565175865261	2696.393120689269	2681.679422966477	2682.405695494759	15.2568972945001	14.53047094934007
451	301	222461	45808.8586730335	99039.37170250766	39.5947552329856	-100.5939455	363078.428410245	43839.93.551591712	2784.58494825574	2691.81966817335	2684.5994374300378	2684.526878	22.8270534225958	22.5988164861345
452	301	222462	457818.8586730335	99039.37170250766	39.59475147	-100.5912407	363372.014444185	43839.89.52549092	2786.55267	2692.83287743074	2681.81565690029	2682.0044736693075	11.27279134278905	10.8314074269914
453	301	222463	45378.8586730335	99039.37170250766	39.59474740600578	-100.588641	363373.376174804	43839.85.52549092	2757.52031528004	2690.81485564982	2684.5994374300378	2684.526878	22.8270534225958	22.5988164861345
454	301	222464	46038.8586730335	99039.37170250766	39.59474335876316	-100.5865235	363774.2537582209	43839.81.57125102	2748.488112665978	2688.81434622703	2679.141812862313	2679.6475927331	9.76762176034172	9.170484849312288
455	301	222465	460988.8586730335	99039.37170250766	39.5947382	-100.5841829	363975.329769044	43839.77.512724293	2741.272464597	2686.854961831759	2673.3029727482884	2675.195438487612	13.55519843487612	13.55519843487612
456	301	222466	461358.8586730335	99039.37170250766	39.59473501877577	-100.5818423	364176.30564941536	43839.73.50851979	2735.37437422642	2684.3562804443043	2672.915880105445	2673.226603246408	13.55519843487612	11.708967171699558
457	301	222467	462018.8586730335	99039.37170250766	39.59473079239867	-100.5795017	364377.2813995458	43839.69.508535717	2730.47430044706	2683.075158657429	2671.10780672623	2671.10780672623	11.708967171699558	11.708967171699558
458	301	222468	46278.8586730335	99039.37170250766	39.594726520806745	-100.5776118	364578.2570196484	43839.65.500119315	2725.071472771202	2681.2946545671684	2668.102444869268	2668.488480923475	13.19261016023838	12.80581372792085
459	301	222469	463388.8586730335	99039.37170250766	39.59472220396654	-100.5748205	364797.232509954	43839.61.49740779	2720.1910567275627	2679.813671521485	2668.623965902516	2666.98980107637	12.94829438049084	12.62373413828167
460	301	222470	463998.8586730335	99039.37170250766	39.59471784196927	-100.5724798	364980.2078055243	43839.57.494123315	2727.3067119173473	2677.1054149036257	2667.1054149036257	2667.1054149036257	10.8314074269914	10.8314074269914
461	301	222471	464588.8586730335	99039.37170250766	39.5947134724895	-100.5701392	365181.1830117757	43839.53.491058468	2730.5839179094234	2676.604763	2669.85456738729	2670.591164669601	6.74819354861005	6.013597776789084
462	301	222462	46318.8586730335	99039.37170250766	39.59470886226345	-100.5677986	365382.1582037902	43839.49.512233181	2733.881122853724	2675.26167	2675.2251054540407	2676.45549651989	0.0102687	0
463	301	222463	46978.8586730335	99039.37170250766	39.59470454858494	-100.565485	365583.13717698	43839.45.48587658	2740.525490759894	2674.0148148340247	2682.370240571515	2684.367599100247	0	0
464	301	222464	46658.8586730335	99039.37170250766	39.5946994169333	-100.5631174	365784.1082099993	43839.41.8311666	2750.527021595824	2672.32167395683	2683.38885834714	2685.600338771788	0	0
465	301	222465	46688.8586730335	99039.37170250766	39.594694534319	-100.5607688	365987.082766682	43839.37.480095263	2751.708517259383	2673.38741	2684.367599100247	2684.367599100247	0	0
466	301	222466	467598.8586730335	99039.37170250766	39.5946907204701	-100.5584362	366166.0573	43839.33.47902489	2750.530087526168	2670.607801480673	2658.5381100539065	2657.404974528022	11.069991432280705	10.50282696528285
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468	301	222468	469278.8586730335	99039.37170250766	39.59468171936534	-100.553755	366588.00611391466	43839.25.4753648	2668.506362409235	2645.209523	2646.148727065374	23.29681165296247	23.7572015892904	23.7572015892904
469	301	222469	46988.8586730335	99039.37170250766	39.59467654895573	-100.5514414	366788.9803171964	43839.21.47445519	2766.93674749647	2667.48725576395	2645.1960360727658	2645.1960360727658	23.29681165296247	23.7572015892904
470	301	222470	46958.8586730335	99039.37170250766	39.59467173475796	-100.5490738	366989.954392099	43839.17.47357099	2758.099191267999	2645.535296240236	2645.535296240236	2645.535296240236	20.84912435624913	20.84912435624913
471	301	222471	47128.8586730335	99039.37170250766	39.5946678534319	-100.546732	367190.528412617	43839.13.47248167	2753.494897493626	2645.535296240236	2645.535296240236	2645.535296240236	20.84912435624913	20.84912435624913
472	301	222472	471918.8586730335	99039.37170250766	39.5946621977114	-100.5443292	367391.162145607	43839.09.47183684	2748.501242523794	2642.87154523794	2642.87154523794	2642.87154523794	20.84912435624913	20.84912435624913
473	301	222473	472578.8586730335	99039.37170250766	39.59465700860176	-100.542052	367592.8795660787	43839.05.47106798	2758.732864684945	2663.564437192343	2639.7613379017635	2639.7613379017635	23.80309912715083	23.80309912715083
474	301	222474	47328.8586730335	99039.37170250766	39.5946520579443	-100.5397114	367793.8465210636	43839.01.47196424	2768.617461141042	2636.087181856758	2636.3306265238304	2636.3306265238304	26.7962982480406	26.7962982480406
475	301	222475	473898.8586730335	99039.37170250766	39.5946489851171	-100.5373708	367994.8226506723	43839.47.205561	2762.114406190235	2661.682789050606	2632.536781486324	2632.785270511047	21.4600756968275	28.89751440495932
476	301	222476	474558.8586730335	99039.37170250766	39.5946419000127	-100.5350302	368195.7963	43839.43.472402	2762.114406190235	2661.682789050606	2632.536781486324	2632.785270511047	21.4600756968275	28.89751440495932
477	301	222477	475218.8586730335	99039.37170250766	39.5946367692594	-100.5326896	368396.769481852	43839.39.47182335	2768.093398905115	2659.4945488468	2626.367588414414	2626.367588414414	33.19295265028778	33.19295265028778
478	301	222478	475878.8586730335	99039.37170250766	39.5946319361195	-100.530439	368597.742537691	43839.35.472402	2768.093398905115	2659.4945488468	2626.367588414414	2626.367588414414	33.19295265028778	33.19295265028778
479	301	222479	476538.8586730335	99039.37170250766	39.5946267221141	-100.5280084	368796.175678285	43839.31.47307405	2768.093398905115	2659.4945488468	2626.367588414414	2626.367588414414	33.19295265028778	33.19295265028778
480	301	222480	477198.8586730335	99039.37170250766	39.59462110584403	-100.5256678	368999.688278978	43839.27.47543605	2764.24852461515	2657.18264890336	2617.489298500023	2617.489298500023	33.19295265028778	33.19295265028778
481	301	222481	477858.8586730335	99039.37170250766	39.5946157425974	-100.5232272	369200.660605197	43839.23.47589621	2768.38569739147	2656.32317032405	2614.5543860410626	2614.5543860410626	33.19295265028778	33.19295265028778
482	301	222482	478518.8586730335	99039.37170250766	39.59461034745856	-100.5209866	369401.6325596125	43839.19.47415085	2772.525431879523	2655.4677734290008	2613.7416757	2613.7416757	33.19295265028778	33.19295265028778
483	301	222483	479178.8586730335	99039.37170250766	39.5946050344051	-100.518646	369602.605962095	43839.15.4719991	2772.525431879523	2655.4677734290008	2613.7416757	2613.7416757	33.19295265028778	33.19295265028778
484	301	222484	479838.8586730335	99039.37170250766	39.59459958505575	-100.5163504	369803.573723697	43839.11.48164326	2772.525431879523	2655.4677734290008	2613.7416757	2613.7416757	33.19295265028778	33.19295265028778
485	301	222485	480488.8586730335	99039.37170250766	39.594594582464	-100.5140678	369999.688278978	43839.07.47543605	2772.525431879523	2655.4677734290008	2613.7416757	2613.7416757	33.19295265028778	33.19295265028778
486	301	222486	481188.8586730335	99039.37170250766	39.59458958505575	-100.5116242	370005.5225	43839.03.4754360						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHgtKrg.ft	SatHtBoth.ft
29	30	227269	-352461.1413	991057.3170250766	39.50029571528672	-102.0493698	238134.5680276575	43687.28911013621	370.6662390104375	3517.4793961077858	3517.558933	3518.313537726753	33.9204630643577	33.16585838103265
30	30	227270	-351801.1413	991057.3170250766	39.50031963685729	-102.0470028	238335.65596530443	43687.74647435	3698.929648751324	3517.05651217574685	3515.77164696477	3516.096341327379	34.52347471717128	33.996706400480804
31	30	227271	-347181.1413	991057.3170250766	39.500349746872444	-102.0466861	238536.763097744	43687.62016419657	3698.1400603175424	3568.72835996576	3514.65872220034	3516.07707113719	34.05434379652404	32.6578158483128
32	30	227272	-350041.1413	991057.3170250766	39.5003794988145	-102.042366	238737.8600553391	43687.764899104	3692.355255965856	3567.3791425710824	3514.4148669913053	3515.035811	34.22476579770344	34.34331343334041
33	30	227273	-348921.1413	991057.3170250766	39.50039193766297	-102.0400057	238938.95684817323	43687.731301206	3688.503990260604	3566.4603820609802	3513.5792441710723	3522.8183037957842	32.4763718890972	33.2280782651964
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36	30	227276	-347841.1413	991057.3170250766	39.5004632976887	-102.0329489	239542.24567334156	43686.9910773887	3688.531371489065	3562.1267009621633	3507.810277094621	3540.94513586983	34.316423057542124	31.8128723407284
37	30	227277	-347181.1413	991057.3170250766	39.50048746872444	-102.0306466	239743.14432091	43686.976878447	3687.2257400275424	3560.845108003777	3508.658383718373	3550.0334594919616	35.15986489171815	30.81173108071619
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54	30	227294	-335961.1413	991057.3170250766	39.50088528320309	-101.9908598	243161.9300747294	43686.253833469	3742.635405662726	3540.36097525389	3491.0215066531544	3499.97541544956	49.34459687223443	40.388559804311
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57	30	227297	-333981.1413	991057.3170250766	39.5009540629897	-101.9838389	243765.2027687714	43686.1327687174	3745.75258625982	3537.708628620126	3484.708628620126	3489.5211688167	51.9996287315161	47.154727230939167
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67	30	227307	-327381.1413	991057.3170250766	39.501180624114166	-101.9604357	245776.09523971	43685.716370453	3741.4380379559383	3523.980233359276	3465.8330094685257	3476.1661494301746	57.4122389075041	47.81381395
68	30	227308	-326721.1413	991057.3170250766	39.501203964389	-101.9580954	245977.1831634626	43685.6747854702	3740.502699096245	3522.99423775919	3464.5824637672386	3473.051141491039	58.016166001	49.098262488004
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73	30	227313	-323421.1413	991057.3170250766	39.50131439717186	-101.9463838	246982.6187286115	43685.468079073	3741					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgs.fg	BR ElevBothK.fg	SatH.Kgs.fg	SatHBoth.fg
150	3222895	-269301.1413		991057.3170250766	39.502979250042674	-101.7544825	463070.8883339823	3386208.590375674	3602.7591974080515	3411.6459030630124	3307.5166170688804	3308.368617742148	104.12928593743209	103.252925894616421
156	3222896	-268641.1413		991057.3170250766	39.50297677119327	-101.752142	463071.9548742075	4386204.475088295	3600.5942635053633	3410.826236253406	3306.928690112967	3307.98976405056796	103.89736461404391	102.83465956960569
157	3222897	-268281.1413		991057.3170250766	39.50301660973845	-101.749816	463072.962300448825	4386204.475088295	3598.4304553081186	3410.004643397023	3305.84833	3306.987418232484	104.1613437428441	102.70010058644257
158	3222898	-267321.1413		991057.3170250766	39.503034395622226	-101.7474612	463073.95125533681	4386204.475088295	3596.2680425184524	3409.1806267980455	3304.1667951556613	3304.07675054123	104.003524143234	103.750430932254
159	3222899	-266661.1413		991057.3170250766	39.503052670590805	-101.7451207	464275.2138067152	4386192.130659912	3593.3193507402354	3408.354104488834	3302.11288329909	3303.54517172606	104.06122061897424	104.89993272285756
160	3222900	-266001.1413		991057.3170250766	39.50307093329345	-101.7427803	464476.2180854753	4386190.016176298	3589.5801247704254	3407.5252375105943	3309.707942715375	3301.00911334739645	104.0712590805673	104.8123064629271
161	3222901	-265341.1413		991057.3170250766	39.50308913430714	-101.7404398	464677.2841819122	4386183.002008662	3585.861185800513	3406.6948241678574	3309.012621567423	3308.18721588744	104.062308492547	105.0570382932372
162	3222902	-264681.1413		991057.3170250766	39.503107290109245	-101.7380994	464878.34932623064	4386179.789094596	3582.132062830031	3405.861497982776	3304.2003551699425	3305.152028314215	111.65611281283373	110.70496469861527
163	3222903	-264021.1413		991057.3170250766	39.5031254066996	-101.735759	465079.414236801	4386175.674545166	3579.789958430776	3405.0227056613494	3301.5176794	3302.222686155987	113.50483126691927	112.70010058644257
164	3222904	-263361.1413		991057.3170250766	39.50314366078374	-101.7334185	465280.2491928407	4386171.650049286	3578.873565619037	3404.179025953136	3309.005871481004	3302.015755338464	115.173511773033	113.14883041929842
165	3222905	-262701.1413		991057.3170250766	39.50316146624538	-101.7310781	465481.5433843104	4386167.45773713	3577.8779320813276	3403.13002582027688	3301.371888854737	3301.6366522448198	115.09139137696618	115.09139137696618
166	3222906	-262041.1413		991057.3170250766	39.5031794120006	-101.7287376	465682.6075862636	4386163.334529233	3576.922099856067	3402.479596466843	3305.2007784860493	3304.191951503465	117.27951716083498	108.2678441432777
167	3222907	-261381.1413		991057.3170250766	39.50319739094405	-101.7263972	465883.6715729952	4386159.221705045	3574.07019715368325	3401.6253643639	3303.6865074404013	3304.76128873059	117.938858995676	108.2678441432777
168	3222908	-260721.1413		991057.3170250766	39.503215275475664	-101.7240567	466084.733828254	4386155.1904739	3573.3355474611135	3400.784819118543	3302.2419942958422	3303.664191891237	104.0712590805673	107.1042727230618
169	3222909	-260061.1413		991057.3170250766	39.50323311	-101.7217163	466285.7988536187	4386150.996782307	3568.265123385954	3399.905784370344	3300.844710651587	3302.26544044821	119.0620737187578	107.1042727230618
170	3222910	-259401.1413		991057.3170250766	39.5032509093023	-101.7193758	466486.86714851146	4386146.884575741	3562.19089030677	3399.04173262587	3300.412937501866	3300.33003100305	119.6267812400709	108.7370231157798
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172	3222912	-258081.1413		991057.3170250766	39.50328636	-101.7146949	466888.980477271	4386138.661	3557.26606384258	3397.306149258998	3300.3817393382405	3300.593091710305	120.92454549207574	111.376103496242
173	3222913	-257421.1413		991057.3170250766	39.50330401965505	-101.7123545	467090.05065169616	4386134.5496171	3555.340448226628	3396.435371085786	3300.658837785903	3300.2832469571977	121.76948730719323	113.1867313400677
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175	3222915	-256101.1413		991057.3170250766	39.50333902126278	-101.7076735	467492.1751771618	4386126.32710657	3551.326604	3394.6976029173887	3300.026538071387	3300.274530498101	121.71202547308771	121.71202547308771
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181	3222921	-252141.1413		991057.3170250766	39.50344366	-101.6936308	468698.5432	4386101.65676008	3530.488392848704	3389.7586862332837	3300.724277544814	3300.914328708093	121.56034382248494	126.15890458028137
182	3222922	-251481.1413		991057.3170250766	39.50346091165679	-101.6912903	468899.6037814105	4386097.550230634	3525.3059595169915	3388.907897759725	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
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184	3222924	-250161.1413		991057.3170250766	39.503495317914454	-101.6866094	469301.7241873447	4386089.373041681	3518.591193328533	3387.3254727171687	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
185	3222925	-249501.1413		991057.3170250766	39.50351235056682	-101.6842489	469502.78405001515	4386085.292146224	3515.8430773001133	3386.7215517428576	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
186	3222926	-248841.1413		991057.3170250766	39.50352946578265	-101.6819285	469703.843684895	4386081.120574513	3513.09481651869686	3385.943618698696	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
187	3222927	-248181.1413		991057.3170250766	39.50354649128303	-101.679588	469904.903092791	4386077.01226547	3510.288624084357	3385.279948113999	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
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189	3222929	-246861.1413		991057.3170250766	39.50358046115925	-101.674907	470307.0212284565	4386068.79201807	3504.75895781004	3383.844740891777	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
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191	3222931	-245541.1413		991057.3170250766	39.5036144115915	-101.6702621	470709.138866243	4386060.59107922	3500.2548957811367	3382.3427483050277	3300.438667989856	3300.724277544814	131.54192196986924	131.48999022688167
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193	3222933	-244221.1413		991057.3170250766	39.503647684821556	-101.6655451	471111.2547805105	4386052.36638057	3500.3066240758246	3381.1988229968337	3300.7739459103564	3300.907496483596	131.54192196986924	131.48999022688167
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197	3222937	-241581.1413		991057.3170250766	39.5037146219656	-101.656189	471915.67896131	4386036.3590908	3500.021935750432	3379.648392750432	3300.4390459113263	3300.8141833032	131.54192196986924	131.48999022688167
198	3222938	-240921.1413		991057.3170250766	39.5037304	-101.6538427	472116.5165765794	4386032.8351365	3500.0675150432	3379.549816813	3300.4390459113263	3300.8141833032	131.541921969	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatHt1102671152	SatHtBoth.ft
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283	302	223023	-184821.1413	991057.3170250766	39.59497042539317	-101.4548692	289255.5809353415	4385693.6531	3330.6129622903077	3341.5243839181662	3126.448978	3133.125194669813	116.73486917516006	98.35174827526522
284	302	223024	-184161.1413	991057.3170250766	39.594383065138614	-101.4525276	289365.6193233104	4385695.764781217	3325.746108912345	3329.960289011535	3126.147267297313	3141.190959765015	116.73129952904083	98.76923291454841
285	302	223025	-183501.1413	991057.3170250766	39.594596695672534	-101.450217	289607.65748633084	4385675.472592915	3321.478234923483	3328.4126064160307	3126.061522973116	3140.616781938152	116.7314474291463	98.7661747729924
286	302	223026	-182841.1413	991057.3170250766	39.595008208989024	-101.4478765	289808.6954	4385694.302024592	3321.7120361	3326.862363021713	3126.30406266881	3136.718981928918	116.7564394529022	98.71953230824826
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288	302	223028	-181521.1413	991057.3170250766	39.59503371196492	-101.4431953	290210.7706351884	4385663.22022832	3304.77415904101	3323.8700131610262	3127.5569477162107	3135.2120511712283	116.7564394529022	98.6579198979797
289	302	223029	-180861.1413	991057.3170250766	39.59504555656254	-101.4408456	290411.8071238815	4385693.143654141	3307.980970547698	3322.9667342121683	3126.59374480353	3133.125194669813	116.73486917516006	98.35174827526522
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293	302	223033	-178221.1413	991057.3170250766	39.59508478818754	-101.4314925	291215.9554703437	4385649.2926188	3271.2024689185	3326.633680283335	3132.5305052027443	3132.3120689573	116.73486917516006	98.35174827526522
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308	302	223048	-168321.1413	991057.3170250766	39.59527285446074	-101.3963839	294231.478733951	4385581.551	3287.28698973212	3296.74279702775	3118.893450400454	3118.833747056728	116.73486917516006	98.35174827526522
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313	302	223053	-165021.1413	991057.3170250766	39.59532995	-101.3846809	295236.64302296	4385561.149727711	3282.645072364825	3320.531422194086	3104.718136951023	3105.433213	116.73486917516006	98.35174827526522
314	302	223054	-164361.1413	991057.3170250766	39.59534123237698	-101.3823404	295437.675238147	4385557.08	3276.689161244415	3320.572794663783	3099.40334641713	3099.804328494547	116.73486917516006	98.35174827526522
315	302	223055	-163701.1413	991057.3170250766	39.59535247040618	-101.3799988	295638.70733875	4385552.98168485	3276.362945248323	3319.013032154894	3094.129554802546	3094.36540749484	116.73486917516006	98.35174827526522
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317	302	223057	-162381.1413	991057.3170250766	39.59537841091814	-101.3753186	296040.7708477903	4385548.82928429	3286.989052949315	3324.733805215185	3130.6925252625	3119.404562176516	116.73486917516006	98.35174827526522
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324	302	223064	-157761.1413	991057.3170250766	39.5954515782915	-101.3589345	297460.786839618	4385516.22023309	3338.139107436215	3325.8458427402	3327.3180			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogKgr.ft	BRIElevBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
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408	302148	-102231.1413	991057.3170250766	39.59619996987613	-101.622424	314333.8402690740	4385174.542	3257.607462385515	2907.671491382023	2992.9874262521144	2991.8338137	86.08872605175027	86.0380177966324	
409	302149	-101611.1413	991057.3170250766	39.59620096354549	-101.598818	314534.854587721	4385170.4830275481	3254.628696584473	2907.804139859584	2992.130055816622	2989.3880276247722	87.44552892763322	86.56623278323	
410	302150	-101001.1413	991057.3170250766	39.59621389891559	-101.576412	314735.8683213247	4385166.424380548	3251.386194033444	2907.794118510966	2987.806125958915	2986.915022134813	86.9679060519057	86.8521643760528	
411	302151	-100341.1413	991057.3170250766	39.59622079605885	-101.553005	314936.8802760776	4385162.369559529	3246.261730737807	2907.75620525	2984.982807816068	2984.1242397445626	86.4221266	81.5007847	
412	302152	-99681.1413	991057.3170250766	39.59622764808445	-101.525959	315137.895650187	4385158.737024835	3243.156573787873	2907.476312505045	2981.994495943815	2981.33092777114	90.6248126122993	93.1721973	
413	302153	-99021.1413	991057.3170250766	39.596224445	-101.506192	315338.90904386376	4385154.24971204	3232.022107733638	2907.372750873645	2978.870994824194	2978.3334234739878	94.4671581322568	94.945154	
414	302154	-98361.1413	991057.3170250766	39.5962411642624	-101.482786	315539.925273085	4385150.192012281	3224.889664172903	2907.179167816933	2975.569176	2975.191791702659	96.0999138512307	96.9873671573415	
415	302155	-97701.1413	991057.3170250766	39.596247878	-101.459378	315740.932597298	4385146.34475058	3216.528696584473	2907.044716391055	2974.581507136844	2974.06114109414	98.1384282164059	98.56623278323	
416	302156	-97041.1413	991057.3170250766	39.59625460401335	-101.435973	315941.948242535	4385142.007	3206.903257238977	2906.980228023956	2969.551406350575	2968.387039569797	101.32882164153807	101.49524023536692	
417	302157	-96381.1413	991057.3170250766	39.59626122955064	-101.412567	316142.9608182438	4385138.02004561	3217.28145794112	2906.728882344684	2964.679065858265	2964.5769638387278	104.0486165439373	104.1491860356506	
418	302158	-95721.1413	991057.3170250766	39.59626781066815	-101.38916	316343.973128279	4385133.96319184	3216.9558645427	2906.675404388843	2960.476366101089	2960.399644249321	107.09971793679549	107.1569979056316	
419	302159	-95051.1413	991057.3170250766	39.596274346171455	-101.365754	316544.985722214	4385129.360654377	3217.88049454193	2906.619716749408	2955.8572828317006	2955.679605135734	110.5368346623746	110.7394769805046	
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446	302186	-77241.1413	991057.3170250766	39.596433712362725	-100.733778	321972.251257485	4385020.44062322	3213.9661851109548	2902.931745430605	2949.03157573476	2949.03157573476	68.81397224568447	68.81397224568447	
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452	302192	-73281.1413	991057.3170250766	39.59646456049073	-100.593338	323178.2929515102	4384996.162	3213.9661851109548	2902.931745430605	2949.03157573476	2			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SurfBothKrg.	SatBothKrg.
53	302	223273	-1921.14133	991057.3170250766	39.59672299	-100.8697397	329459.2674	4384668.901053432	2968.454934	2881.630313487273	2987.626741299459	2988.4295932725395	73.98627218781394	73.183060241743336
534	302	223274	-19161.14133	991057.3170250766	39.5967243385174	-100.867399	33960.2604700529	4384664.869868356	2956.775651343593	2878.7891592585	2804.5167486281066	2805.1177951794984	74.2736639778862	73.6713198446244
535	302	223275	-18581.14133	991057.3170250766	39.5967255022236	-100.865863	33981.2539487678	4384660.838942762	2945.8150863873	2857.831111186528	2801.6516204569796	2802.1907504983989	74.2600424983982	73.6063549036382
536	302	223276	-17841.14133	991057.3170250766	39.59672686	-100.8627176	34006.264164538	4384658.960816181	2927.831953181	2857.90351810689	2799.6049363640083	2799.8308444599077	73.8888214459967	73.16300643
537	302	223277	-17181.14133	991057.3170250766	39.59672806	-100.860377	34023.2837928214	4384652.773639589	2927.341157025412	2807.03886431362	2799.276838684324	2799.2042813202164	70.76527619	70.83438503114552
538	302	223278	-16521.14133	991057.3170250766	39.59672921326166	-100.8580363	34044.2312	4384648.743737814	2918.103268176817	2867.05481301912	2801.3404281168437	2800.91408982084	65.17438549	66.14073277
539	302	223279	-15861.14133	991057.3170250766	39.59673036	-100.8559596	34065.2235448469	4384640.717258959	2806.044568628283	2864.074314321554	2805.44798282003	2804.42847982907	58.5414232354712	59.6188340294847
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541	302	223281	-14541.14133	991057.3170250766	39.5967326952236	-100.8510143	34107.20629321478	4384638.858	2890.59545689277	2857.841089830227	2814.611044598796	2812.89392131015	43.7045654314115	45.0684868530797
542	302	223282	-13891.14133	991057.3170250766	39.59673379171995	-100.848678	34128.195364629	4384632.82834046	2895.440400251016	2854.83205982077	2817.7472016989454	2815.787455334094	37.185104283131	39.1448472686776
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569	302	223309	3868.85867303514	991057.3170250766	39.596742557678034	-100.7854753	34669.9219884236	4384523.19782627	2990.08102001322	2811.868528692599	2794.749645861078	2793.78303350595	11.919462031152	20.081705049678412
570	302	223310	4458.8586730351	991057.3170250766	39.5967422859669	-100.7831346	34689.9064036285	4384519.89423043	2997.13273902444	2811.1265238839496	2791.130039116484	2788.15341115524	19.9964876455513	20.2973027687073
571	302	223311	5058.8586730351	991057.3170250766	39.59674194889516	-100.780794	34706.8971	4384515.871227487	2987.1304139671986	2810.4217033519217	2787.961794392213	2785.1741620094181	25.4982391700358	25.4982391700358
572	302	223312	5658.8586730351	991057.3170250766	39.5967415198497	-100.7784533	34727.884396648	4384511.848	2987.06431841295	2809.754211754798	2785.4589088050425	2782.963395701536	24.29530204733784	26.090265324632
573	302	223313	6258.8586730351	991057.3170250766	39.5967411336614	-100.7761126	34748.87175144863	4384507.82507828	2986.9787317159313	2809.12355235296	2783.77128764993	2782.73136879624	27.1632096879624	27.1632096879624
574	302	223314	6858.8586730351	991057.3170250766	39.5967409505807	-100.7737917	34769.9858985823	4384503.30533907	2980.87211629848	2808.58126657073	2782.94524138418	2781.641474136229	25.8288424915273	26.7134794313041
575	302	223315	7458.8586730351	991057.3170250766	39.5967407695187	-100.7714293	34790.9816707632	4384499.33422037526	2982.944678113334	2815.91626714274173	2805.0391368495463	2802.5382737270005	12.95519232953078	12.95519232953078
576	302	223316	8058.8586730351	991057.3170250766	39.59673985185767	-100.7690906	34810.91832217984	4384485.795907387	2980.08102001322	2811.868528692599	2794.749645861078	2793.78303350595	11.919462031152	20.0

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogsKrg.ft	BRELEVBothKrg.ft	SurfElevKrg.ft	SurfBothKrg.ft
59	22339	63338.85867307335		991057.01720250766	39.59653515205654	-105.748149	364783.23964173975	4384162.708837462	271.991680533117	2676.44090357122927	2666.4159327688835	2666.75209803429	11.993102943409212	11.67382898683819
60	22340	63339.85867307335		991057.01720250766	39.596530769916926	-105.747422	364884.21467058454	4384158.754022396	271.957341570219	2676.8315753582054	2665.7011622454524	2666.14081042230823	11.07255304368004	10.962304915168128
61	22341	63340.85867307335		991057.01720250766	39.596536898859904	-105.747138	365185.1686702093	4384154.702217148	272.015155987137	2675.405143	2667.217479486769	2668.1876834971935	11.58163111650245	11.58163111650245
62	22342	63341.85867307335		991057.01720250766	39.596521909829006	-105.757292	365386.1645025333	4384150.699251747	272.873688604032	2674.10309109200246	2670.2622720069572	2671.305098060046	3.841675039021706	2.888849303224779
63	22343	63342.85867307335		991057.01720250766	39.59651743218854	-105.5645422	365587.1392814862	4384146.69646148	273.233791988194	2672.897851329956	2673.038640117086	2674.3525452070144	0	0
64	22344	63343.85867307335		991057.01720250766	39.59651288917595	-105.5631115	365781.138939274	4384142.36903654	274.007225239605	2671.758357042223	2671.96891101127	2673.584022011929	0	0
65	22345	63344.85867307335		991057.01720250766	39.5965083094515	-105.560709	365989.08837778156	4384138.66443575	274.776858491424	2670.66438278757	2665.468403701329	2666.498519992117	1.59880086028035	4.165763795419345
66	22346	63345.85867307335		991057.01720250766	39.59650367496115	-105.568402	366190.0627	4384134.68954414	275.546491174256	2670.60536536458	2665.661920277395	2667.088991405808	12.514073418739858	12.514073418739858
67	22347	63346.85867307335		991057.01720250766	39.5964989859904	-105.565686	366381.036861592	4384130.86767111	276.2451776252978	2668.5569787772443	2668.137573898065	2669.428514689179345	19.5457658169836	19.5457658169836
68	22348	63347.85867307335		991057.01720250766	39.5964942494348	-105.5537489	366592.0110598906	4384126.68601547	277.87272765	2667.54883932376	2664.100931	2664.922770093924	22.768674	22.768674
69	22349	63348.85867307335		991057.01720250766	39.5964894958388	-105.5514802	366792.8850314446	4384122.684581742	278.500443383861	2666.547343383861	2643.68418861678	2643.667041690168	22.8631537228363	22.8803169819376
70	22350	63349.85867307335		991057.01720250766	39.5964846151809	-105.549076	366993.958754509	4384118.68336096	279.12803992599	2665.599616214709	2643.0467139756024	2643.069640125419	22.5147164910648	22.4902142998973
71	22351	63350.85867307335		991057.01720250766	39.59647698197816	-105.5467269	367194.9325921032	4384116.68232058	279.6425572247633	2664.1304527407683	2642.13419420097	22.5578491135358	22.45104331124765	22.45104331124765
72	22352	63351.85867307335		991057.01720250766	39.59647491722008	-105.5443363	367395.00618160815	4384116.188158986	279.771166390174	2663.623483478603	2640.3635362322543	2640.3819980523474	23.2599472462835	23.24414854262835
73	22353	63352.85867307335		991057.01720250766	39.596469972712008	-105.5420456	367596.974074056	4384108.10259458	279.9547083485167	2662.6759630880786	2637.8125137710227	2638.050490706206	24.86343931705873	24.625485997818032
74	22354	63353.85867307335		991057.01720250766	39.596464972040945	-105.5397409	367793.8730790226	4384102.68087707	279.7120243282858	2661.7408513825912	2634.82309085534	2635.103271160976	26.6375801219963	26.6375801219963
75	22355	63354.85867307335		991057.01720250766	39.596459163342	-105.5373643	367988.86228919035	4384100.686659172	279.7603647894307	2660.671810542536	2631.618683174076	2632.02756892372	28.19912687784084	28.79024112691740
76	22356	63355.85867307335		991057.01720250766	39.5964548460375	-105.5350236	368199.79937171	4384094.681	279.7611263536294	2659.90717930918	2628.700431	2629.06871531003	31.33582712391707	30.7603877781757
77	22357	63356.85867307335		991057.01720250766	39.59644911515501	-105.532683	368400.7723290242	4384090.68901179	279.7542723239348	2658.00867204176	2625.934657668886	2626.2447962354656	33.07401743484759	32.7608918026055
78	22358	63357.85867307335		991057.01720250766	39.59644539088175	-105.530423	368601.7451599643	4384086.68159177	279.752129024096	2658.12290284096	2623.188927121426	2623.4559578629139	34.9339372807695	34.6333818562244
79	22359	63358.85867307335		991057.01720250766	39.59643931780321	-105.528016	368802.717651967	4384082.68229191	279.7547167803947	2657.24989898708	2620.614348302532	2620.749597588325	36.63546415945484	36.50021410138324
80	22360	63359.85867307335		991057.01720250766	39.596434051300186	-105.525861	369003.6904445261	4384078.632717545	279.7584765458365	2656.298124002125	2618.271346213218	2618.271447942143	38.1678151897903	38.1471390868193
81	22361	63360.85867307335		991057.01720250766	39.59642895767006	-105.523618	369204.62817173	4384074.68417123	279.7601224492494	2655.4008219492494	2616.5308219492494	2616.5308219492494	39.318937611610745	39.318937611610745
82	22362	63361.85867307335		991057.01720250766	39.596423382397	-105.520977	369405.633	4384070.6859041	279.7614021242623	2654.700104814396	2615.76751272181	2615.76751272181	39.8291125772208	39.8291250205847
83	22363	63362.85867307335		991057.01720250766	39.59641798048278	-105.518639	369606.6074331585	4384066.68792596	279.76342271312503	2653.78773222948	2616.660304153363	2616.719106989192	37.16909712042654	37.16909712042654
84	22364	63363.85867307335		991057.01720250766	39.59641253310725	-105.516294	369807.5795123906	4384062.68937599	279.7624069860117	2652.606900162684	2617.9724034509033	2618.120091476842	35.084966767573	34.94080514819764
85	22365	63364.85867307335		991057.01720250766	39.596407051428	-105.5139577	370008.5514682393	4384058.69146521	279.7631959025873	2652.251395025623	2619.2420032709247	2619.307633949263	33.0089137163706	32.880611609159263
86	22366	63365.85867307335		991057.01720250766	39.596401502702996	-105.5116711	370209.2532992748	4384054.693763247	279.7645178309344	2651.2484718350435	2620.3119811232917	2620.3119811232917	33.7962039491785	33.13570227053298
87	22367	63366.85867307335		991057.01720250766	39.596395991987373	-105.509591	370409.606024555	4384050.686928474	279.7657372987	2650.22249492494	2618.704274580969	2618.704274580969	34.23287307789	34.23287307789
88	22368	63367.85867307335		991057.01720250766	39.59639102712045	-105.507327	370611.4694791783	4384047.68617283	279.7671099711734	2649.84734010086	2620.9205200492987	2621.09207775826	35.7528348314012	35.7528348314012
89	22369	63368.85867307335		991057.01720250766	39.59638617961206	-105.5054951	370812.430848265	4384042.701973673	279.76846280734786	2649.0424681801023	2620.76977377886	2620.988870534158	37.22694407216477	37.22694407216477
90	22370	63369.85867307335		991057.01720250766	39.5963789927798	-105.5032544	371013.40938434384	4384038.705149633	279.76952535799	2648.225707498440	2620.4210918256254	2620.4210918256254	37.80465892417583	37.80465892417583
91	22371	63370.85867307335		991057.01720250766	39.59637314	-104.999138	371214.21805976225	4384034.70854513	279.7762779905956	2647.380954984503	2619.94630343378	2620.184102976647	37.24476503466243	37.27066391803286
92	22372	63371.85867307335		991057.01720250766	39.596367326257635	-104.979731	371415.351687364	4384030.712160223	279.779199166178	2646.526597	2619.143457548774	2619.3961915980817	37.2831372392634	37.27066391803286
93	22373	63372.85867307335		991057.01720250766	39.596361479152055	-104.959225	371616.322547243	4384026.71594843	279.7831959382781	2645.63048593781	2616.4464061588013	2616.4464061588013	37.8140620502595	37.8140620502595
94	22374	63373.85867307335		991057.01720250766	39.59635627326556	-104.92818	371817.2934958702	4384018.74024984	279.7861340219494	2644.89224492494	2615.236734550293	2615.236734550293	38.138937611610745	38.138937611610745
95	22375	63374.85867307335		991057.01720250766	39.596349647952505	-104.905512	372018.26422044414	4384018.74322654	279.79113102	2643.70275903315	2610.1848299214707	2610.232745106621	39.5370251684423	39.4689297696415
96	22376	63375.85867307335		991057.01720250766	39.596343673601805	-104.882105	372219.234820104	4384014.723	279.7949523	2642.654295639005	2607.2407277839675	2607.284123795046	37.3104717991302	37.3104717991302
97	22377	63376.85867307335		991057.01720250766	39.5963376	-104.858699	372420.2052977608	4384007.73358253	279.78407744	2641.54286675358	2604.3781271307057	2604.429445611731	37.1647395445209	37.1647395445209
98	22378	63377.85867307335		991057.01720250766	39.5963312196647	-104.835292	372621.175653161	4384006.73460718	279.7715965	2640.362277615616	2601.452502829283	2601.519471638888	37.2301332272754	37.2301332272754
99	22379	63378.85867307335		991057.01720250766	39.5963253963201	-104.811886	372822.1458878726	4384002.734512396	279.7733098683917	2639.1310282870404	2598.52473694915202	2598.46294915202	38.0882639027097	38.0882639027097
100	22380	63379.85867307335		991057.01720250766	39.59631924509168	-104.778479	373023.116007146	4384006.74893547	279.77615841412427	2637.792781109718	2595.12693009219	2594.915705957634	42.6500880449876	42.67770515208376
101	22381	63380.85867307335		991057.01720250766	39.59631380937049	-104.754914	373224.640935162	4384002.734512396	279.779134332887	2636.74051382881	2594.7905171833887	2594.7905171833887	43.1457751833887	43.1457751833887
102	22382	63381.85867307335		991057.01720250766	39.5963074808147	-104.731466	373425.0585931351	4383990.76034254	279.78510224494	2634.959486082198	2592.61472118077	2592.61472118077	43.699116884257	43.699116884257
103	2238													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKg.f	BRElevLogsKg.f	LatHtElevs	SurfHtElevs
43	303	23325	-341901.1413	991717.317025076	39.592489063576664	-102.0119526	241356.2493719013	388683.969	370.3894466097424	3549.234863899645	3495.118108104656	3545.31871955249	34.11675796179405	3918991433961116
46	303	23326	-341241.1413	991717.317025076	39.5925124627363	-102.0096123	241557.3425825968	388689.5923169925	372.6917469379478	3548.038387746472	3494.873639776627	3533.181922378737	35.16529699640208	14.85701593767634
47	303	23327	-340681.1413	991717.317025076	39.59253519676241	-102.007219	241734.6635305167	388685.689224497	371.847195770261	3548.7146856581	3494.674533771638	3527.925027563154	35.72393810006578	18.87464191006878
48	303	23328	-339921.1413	991717.317025076	39.59255913004297	-102.004816	241959.528070458	388693.545456521	370.855851289122	3545.667635929772	3494.621944289991	3524.61111405654	35.10357297	24.49634426290238
49	303	23329	-339261.1413	991717.317025076	39.592582358115244	-102.0025912	242160.6206796747	3886847.4099137078	372.862410748564	3548.028882334574	3494.5760851920826	3516.6815964402745	35.49828014065483	27.72778973182936
50	303	23330	-338601.1413	991717.317025076	39.592605614979206	-102.0020559	242361.7126860455	388687.2095957515	372.737525821514	3544.2794950883394	3494.242076379447	3512.495804224145	35.407470139047130	37.70426235898182
51	303	23331	-337941.1413	991717.317025076	39.5926287963841	-101.9979105	242562.80408041	3886839.319203584	372.939958047864	3542.088447581897	3494.0148786112427	3508.626907366493	35.4908495983025642	33.46235084527934
52	303	23332	-337281.1413	991717.317025076	39.59265191906201	-101.9955702	242763.89647996164	388683.94562498	3727.065871739047	3540.8940384421876	3493.4900537323443	3505.137862699478	35.40398470984428	35.75617571709634
53	303	23333	-336621.1413	991717.317025076	39.5926753032076	-101.9932219	242964.96790381407	388687.358918715	376.8191766229717	3539.8951192179078	3492.048644669294	3500.25502123604	35.474765237987525	39.61491759260357
54	303	23334	-335961.1413	991717.317025076	39.5926984523509	-101.9909585	243166.0790374116	388682.71573439	375.3751715320393	3538.4911349636504	3490.07698652174	3498.45111140654	35.4416623287473	40.04002557109545
55	303	23335	-335301.1413	991717.317025076	39.59272106172684	-101.9885491	243367.169888388	3886825.573800975	372.812476222706	3497.9454287173467	3493.945287173467	3491.1326970118	35.433604750492354	41.16820652110255
56	303	23336	-334641.1413	991717.317025076	39.592743844758005	-101.986208	243568.2605022423	3886814.943116495	374.74640605493534	3536.065424292223	3495.540299037303	3492.517550044313	35.50251219851962	43.71366928759153
57	303	23337	-333981.1413	991717.317025076	39.5927668819031	-101.9838684	243769.351057323	388681.301668084	370.820506	3534.842524873433	3483.041147188135	3488.522401626566	35.18017716862007	46.32014041717773
58	303	23338	-333321.1413	991717.317025076	39.59278975	-101.981528	243970.44112187032	388680.16	370.1276524517814	3531.6311866251416	3480.6214046211563	3480.621399592416	35.429049583025642	44.5266665895435
59	303	23339	-332661.1413	991717.317025076	39.59281259373215	-101.9791977	244171.5311254284	388680.62855657	369.2017964709195	3532.372196752525	3476.3458040922933	3488.027379723928	35.4269915826918	44.3448277
60	303	23340	-332001.1413	991717.317025076	39.592835327151576	-101.9768473	244372.6207005785	3886801.88978608	370.179862762339	3531.12175867475	3476.176637020878	3486.828430893574	35.4545374669714	44.29233278117725
61	303	23341	-331341.1413	991717.317025076	39.59285804972111	-101.9745089	244573.7101546204	3886797.752042497	370.4731770817485	3529.860524814765	3474.1321571964248	3485.787746031308	35.5789074172278	44.07276635168574
62	303	23342	-330681.1413	991717.317025076	39.59288072708178	-101.972166	244774.7990296146	3886793.61632321	370.9866788726295	3526.584084566047	3472.1827851917938	3484.98891962015	35.6403236	43.699488365891
63	303	23343	-330021.1413	991717.317025076	39.5929035923633	-101.9698262	244975.88818571757	3886784.47928089	372.1501481281707	3527.298487699141	3470.377152861564	3484.27460354274	35.69213437576524	43.023841561491
64	303	23344	-329361.1413	991717.317025076	39.5929264617643	-101.967485	245176.978266292	388678.343759216	371.8821778541033	3525.9509404473073	3469.3420947454856	3484.953899959054	35.6633090918216	41.302495642531
65	303	23345	-328701.1413	991717.317025076	39.59294848791032	-101.9651455	245378.96052074802	3886781.20714852	372.6142490044054	3524.67078671074	3467.683571723384	3471737829197	35.6992034987354	44.9322957134501
66	303	23346	-328041.1413	991717.317025076	39.5929709443157	-101.9628051	245579.153407377	388677.07209454	373.346239459583	3523.6781070113	3466.263783074739	3476.895476483417	35.70475903267188	46.47463892671186
67	303	23347	-327381.1413	991717.317025076	39.59299345575086	-101.960422	245784.24936468708	388677.219581504	373.819085054568	3523.192784757576	3464.1004215154367	3473.948318249185	35.74368318249185	48.14309814894096
68	303	23348	-326721.1413	991717.317025076	39.59300158416755	-101.9581243	245981.3285125313	388678.801329036	371.9795198722595	3520.610210146797	3463.838114165157	3472.00508684259	35.7273403302264	48.6051313304205
69	303	23349	-326061.1413	991717.317025076	39.59301820275517	-101.9557839	246182.4122269037	388674.666283498	371.0051501672913	3519.221998153335	3462.298402770833	3469.8325874872	35.693348831461	49.38574031416613
70	303	23350	-325401.1413	991717.317025076	39.59300651844394	-101.9534436	246383.5033688444	388676.501466275	369.02230383327	3517.81792909684	3462.1373155065147	3461.715229039405	35.68067735	49.7004700304356
71	303	23351	-324741.1413	991717.317025076	39.593082788922594	-101.9511032	246584.59023326973	388675.39686787	368.12969662380156	3516.3996962380156	3461.2981170952294	3466.4705389886	35.6109714278625	49.9246238
72	303	23352	-324081.1413	991717.317025076	39.593105011492396	-101.9487628	246765.7685897324	388675.262	370.79322049068	3514.968307887243	3460.642592550018	3462.085527993778	35.6271533140256	49.8827348934673
73	303	23353	-323421.1413	991717.317025076	39.59312791	-101.946224	246986.763241979	388674.12638191	373.64232896984	3513.523895	3460.342893269423	3461.29812983269423	35.6476438696794	50.67463892671186
74	303	23354	-322761.1413	991717.317025076	39.5931432911499	-101.944082	247167.8494510916	388674.994425464	370.8099645501598	3512.08305251096	3459.8014021015854	3462.47155170783	35.6590514923973	49.59571300805835
75	303	23355	-322101.1413	991717.317025076	39.59301741875668	-101.9417416	247388.3533399673	388673.961	371.6514714744004	3510.603005277553	3459.1147256304753	3461.178952343637	35.6482748972800	49.46248701335858
76	303	23356	-321441.1413	991717.317025076	39.593193463188925	-101.9394013	247590.020590247	388673.72756402	372.326872485895	3509.1302783799565	3457.7362704618317	3459.26751306912	35.61940079181247	49.48207734332447
77	303	23357	-320781.1413	991717.317025076	39.59321546241167	-101.9370609	247791.10633400894	388673.510040894	370.677706031232	3507.65162883034	3455.3438549910575	3456.636807126787	35.6207733929657	51.01482183566974
78	303	23358	-320121.1413	991717.317025076	39.59323741624856	-101.9347205	247992.19146033897	388673.474086927	373.6274683237667	3506.127962610016	3452.123435057071	3453.061592674276	35.6106295282858	53.1068625828258
79	303	23359	-319461.1413	991717.317025076	39.59325932528918	-101.9323001	248193.2763702845	388673.238183535	373.694900224149	3504.86259107334	3448.4216715991396	3448.4216715991396	35.6272996407384	55.5538672
80	303	23360	-318801.1413	991717.317025076	39.59328148852598	-101.9300297	248394.2603468708	388673.10521504	373.819085054568	3503.192784757576	3464.1004215154367	3473.948318249185	35.74368318249185	57.4368318249185
81	303	23361	-318141.1413	991717.317025076	39.59330307202684	-101.9276993	248595.4534351752	388675.06325664	370.701464513191	3504.133529	3440.05178397729	3461.56613520845084	35.6106528917469	61.0565288749196
82	303	23362	-317481.1413	991717.317025076	39.593324790381465	-101.9253589	248796.52947372536	388670.93142736	373.957357	3500.20862479233	3436.06987633964	3436.089577	35.641763704	64.1190477029287
83	303	23363	-316821.1413	991717.317025076	39.5933460534633	-101.9230185	248997.613555519	388676.799243063	373.146926	3498.71470934158	3433.53527969709	3433.2488229869064	35.17897402705867	65.4657791572145
84	303	23364	-316161.1413	991717.317025076	39.59336819110145	-101.9206781	249198.6968910223	388672.6671695	372.456789931698	3497.217674825926	3433.157482455303	3432.89662828122	35.60205007133376	64.6199209780426
85	303	23365	-315501.1413	991717.317025076	39.5933982864671	-101.9183377	249399.78037468164	388668.536119406	373.766837376584	3495.716318144076	3433.167836762726	3433.167836762726	35.61692495848124	69.6299725848124
86	303	23366	-314841.1413	991717.317025076	39.5934114206209	-101.9159173	249600.863124657	388664.4089423	374.07677596326	3494.1190501102072	3433.530356181334	348.4714776009162	35.6272996407384	72.42381476009162
87	303	23367	-314181.1413	991717.317025076	39.59343391970798	-101.9136299	249801.94531915652	388664.3431915652	373.819085054568	3503.192784757576	3464.1004215154367	3473.948318249185	35.74368318249185	74.74368318249185
88	303	23368	-313521.1413	991717.317025076	39.59345447	-101.9119375	250003.0290454763	388666.143118155	372.59565375217	3491.1894241158	3435.2529177898	3473.948318249185	35.74368318249185	76.74368318249185
89	303	23369	-312861.1413	991717.317025076	39.59347593	-101.9098761	250204.1144108198	388662.012567053	372.88355976205	349				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRiElevKgr.ft	BRiElevKgr.ft	SatHtElev.ft	SatHtBoth.ft
171	33	223651	-258741.1413	191717.3172025076	39.59508152320616	-101.7170583	266682.04657912755	438334.0071178519	3564.65941	3277.085306169806	3277.5337349620736	3288.695027040966	116.5611565490968	108.3858296748397
172	33	223652	-258801.1413	191717.3172025076	39.59509927234604	-101.7147177	266883.10917762085	4396.33905548327	3562.5499644932167	3276.939647505277	3286.497131312436	120.2876205760007	109.7265172504485	
173	33	223653	-258921.1413	191717.3172025076	39.59511588722965	-101.7123772	267084.1714560271	4393.63584764171	3560.4145887795143	3276.179867808041	3284.1209746579853	121.18308923894421	111.23080232894421	
174	33	223654	-259761.1413	191717.3172025076	39.59513449999622	-101.7100367	267295.23368522153	4393.31769000409	3564.4937251104074	3277.3477830560555	3281.6541066217762	122.14509420489193	112.8370847869895	
175	33	223655	-259610.1413	191717.3172025076	39.59515208648648	-101.7079862	267496.2956544787	4393.6273265	3556.3279782058833	3283.6138134631714	3277.4445554557	123.18635791531051	114.7649980206305	
176	33	223656	-255441.1413	191717.3172025076	39.59516959177348	-101.7035357	267697.2572702767	4396.23515767668	3563.781390124994	3286.652055239821	3279.053315363227	124.129048896784	116.34205489316671	
177	33	223657	-254781.1413	191717.3172025076	39.59518706984718	-101.7030152	267898.47816226985	4393.8194026797	3552.8042471722054	3391.943062334717	3266.417380846067	127.7746820249024	114.1235683148911024	
178	33	223658	-254211.1413	191717.3172025076	39.59520540270783	-101.7006746	268099.499848768	4393.81529271725	3551.07207355516	3391.1161840208974	3264.407825434983	126.7038565739915	116.9714144642053	
179	33	223659	-253661.1413	191717.3172025076	39.59522186952481	-101.6985341	268300.540944929	4393.81152009608	3550.3063076892344	3390.306546598929	3267.5626978961775	127.8199685696364	117.733637205692	
180	33	223660	-252901.1413	191717.3172025076	39.59522932788096	-101.6959536	268501.6017078258	4393.80701781557	3548.94914657474	3389.496112555433	3260.556751	128.939611020190847	124.4205103655685	
181	33	223661	-252141.1413	191717.3172025076	39.59526553000236	-101.6936531	268802.6622449755	4393.8021961477	3538.216722	3528.791142908177	3259.63302126562	129.9130721833325	120.7031004290775	
182	33	223662	-251481.1413	191717.3172025076	39.59527378201492	-101.6913126	269083.72255411866	4396.2845267309	3532.6042975412221	3387.92336837603	3256.846720475275	129.57199038287793	131.07664786227272	
183	33	223663	-250821.1413	191717.3172025076	39.5952908880811	-101.688972	269304.7825345593	4396.2842487131	3525.638131572816	3387.153809	3254.6337211928927	132.31367198444584	132.5210891496038	
184	33	223664	-250161.1413	191717.3172025076	39.59530815038773	-101.6866315	269505.8424890747	4396.28033558919	3521.265298998784	3386.39513826641	3253.10540988275	133.28972837816562	134.24992897017596	
185	33	223665	-249501.1413	191717.3172025076	39.59532527	-101.684291	269630.9021155607	4396.286252	3516.87441545509	3385.648664189493	3251.628195288896	134.744434343623	135.90247292326316	
186	33	223666	-248841.1413	191717.3172025076	39.59534233709672	-101.681956	269770.9615147327	4396.282141574326	3512.492540692230	3384.91025486522	3250.38808333248	134.52164653197408	137.5808227724445	
187	33	223667	-248181.1413	191717.3172025076	39.59535938345059	-101.6796099	269909.0286086783	4396.287307175932	3510.653319505245	3384.185081471877	3249.316624635005	135.24310354453613	138.8706456837157	
188	33	223668	-247521.1413	191717.3172025076	39.59537634573026	-101.6772594	270110.07963235234	4396.27419826499	3511.356751784917	3384.02429301092	3242.894876	136.86545739921924	140.5751151395146	
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190	33	223670	-246201.1413	191717.3172025076	39.595401170379466	-101.6725883	270512.1968	4396.26582980292	3512.763618473298	3382.065278154132	3246.854875575815	137.3013527517625	143.7630245205617	
191	33	223671	-245541.1413	191717.3172025076	39.59542071546344	-101.6702478	271073.25511005975	4396.261478133565	3508.794746127576	3381.327132602434	3246.128631996149	138.23548745705643	145.3245008071967	
192	33	223672	-244881.1413	191717.3172025076	39.595443815333624	-101.6679073	270914.3151045857	4396.25767882735	3505.1353573417514	3380.6807013890413	3245.2678868690053	139.4182126793905	146.3731715467730	
193	33	223673	-244221.1413	191717.3172025076	39.5954619483374	-101.6657137	271153.0789981185	4396.2530268477	3503.242407074831	3379.57807074831	3244.4118732571033	139.5784888989317	147.521203683447	
194	33	223674	-243561.1413	191717.3172025076	39.5954727943244	-101.6632292	271316.428554235	4396.2495532732	3498.871227993036	3379.287931964765	3243.397053232414	139.8713927233418	150.9317272396075	
195	33	223675	-242901.1413	191717.3172025076	39.5954933661026	-101.6608857	271517.485918036	4396.2454637548	3498.854545052336	3242.2411027248945	3227.993677344837	139.8313372774391	150.5080681574965	
196	33	223676	-242241.1413	191717.3172025076	39.59551056267564	-101.6585451	271718.5450671365	4396.24130118224	3492.086437006636	3377.832335788444	3240.752503489007	139.81320287519467	145.911052689047	
197	33	223677	-241581.1413	191717.3172025076	39.59552137464734	-101.6562046	271919.599070716	4396.237233766	3496.776906895326	3377.0453902178379	3239.165911212121	139.70794700574318	143.4252163466448	
198	33	223678	-240921.1413	191717.3172025076	39.59554365603505	-101.653864	272120.6556951767	4396.2321276919	3499.467488304026	3376.197987836187	3237.442985422843	139.7500241367358	142.9819183031273	
199	33	223679	-240261.1413	191717.3172025076	39.5955610483374	-101.6513787	272321.7131240063	4396.2270765396	3498.82650076899	3375.273569948454	3236.53091763249	140.00017632496	143.958000568882	
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201	33	223681	-238941.1413	191717.3172025076	39.595592957953889	-101.6468424	272723.825380461	4396.2201093971	3488.736518913197	3373.155213242288	3232.081012865454	140.23032166732127	145.3119966610703	
202	33	223682	-238281.1413	191717.3172025076	39.59560932727743	-101.6445019	272924.881276681	4396.2167548054	3487.3823283141	3371.963954106884	3230.46978354906	140.239687418657824	146.38700429116184	
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205	33	223685	-236301.1413	191717.3172025076	39.59565809918363	-101.6374802	273528.047020808	4396.202439191084	3479.79503491783	3368.011057392398	3226.533439779032	141.47503116525413	148.646710480779	
206	33	223686	-235641.1413	191717.3172025076	39.59567426057176	-101.6351387	273729.1022700418	4396.202684707	3478.219455550923	3366.50887404932	3225.34429221894	141.2654281302824	149.721203683447	
207	33	223687	-234981.1413	191717.3172025076	39.595690376711556	-101.6327981	273938.1568829181	4396.1961827876	3478.884428362655	3365.1871050275192	3224.21524049154	141.29944283	150.95022597836487	
208	33	223688	-234321.1413	191717.3172025076	39.59570646	-101.6304586	274131.211336197	4396.19210791235	3478.7899397443035	3363.7322126002637	3222.930984105916	141.2726392870765	147.34601822943474	
209	33	223689	-233661.1413	191717.3172025076	39.5957224593229	-101.628118	274332.2655670269	4396.18797526497	3478.65265686077	3362.26505268677	3221.559253397401	141.2844562097163	147.4195642959073	
210	33	223690	-233001.1413	191717.3172025076	39.5957384140863	-101.6257775	274533.319656215	4396.183178184325	3478.6095561921	3360.78178196597	3220.0441321666735	140.730406302826	148.50148588592128	
211	33	223691	-232341.1413	191717.3172025076	39.5957544210054	-101.6234369	274734.3733218543	4396.17976845031	3477.894603370965	3359.2888391348765	3218.2999872462633	140.9289751030107	149.3130866227484	
212	33	223692	-231681.1413	191717.3172025076	39.59577031779805	-101.6210964	274935.4269625225	4396.1765567029	3476.57479789025	3357.783515411843	3216.60339044762	140.93631135094047	151.735019595056	
213	33	223693	-231021.1413	191717.3172025076	39.59578693083089	-101.6187127	275142.769628544	4396.1730920094	3475.81479041561	3356.412064720153	3214.329114542636	141.00017632496	152.440083365863	
214	33	223694	-230361.1413	191717.3172025076	39.59580197323661	-101.6164153	275373.5333917468	4396.1640439305	3475.91010262514	3354.734317040961	3213.0909114850456	141.032714760679	153.1050292208212	
215	33	223695	-229701.1413	191717.3172025076	39.59581773327368	-101.6140747	275538.5869224454	4396.1633808906	3475.48892153837	3353.209160727387	3212.474551592154	141.96170556816332	153.29370277626413	
216	33	223696	-229041.1413	191717.3172025076	39.59583348003616	-101.6117341	275739.6389717414	4396.15925601241	3475.904562942638	3351.66649310034	3210.92480780847	141.9811001715124	153.566312665738	
217	33	223697	-228381.1413	191717.3172025076	39.595849117518036	-101.6093936	275940.691403438	4396.1551043281	3474.30208806756	3350.168980860756	3207.306076357559	141.9650783313278	154.00112285164	
218	33	223698	-227721.1413	191717.3172025076	39.595864741818346	-101.607053	276141.743668544	4396.						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SurfBoth.f
297	303	223777	-175881.1413	19717.7172025076	39.569696180956994	-101.4221458	292024.911956349	4385827.729818391	323.3355926684401	321.74690923058	314.9408665317946	79.18835679317878
298	303	223778	-174821.1413	19717.7172025076	39.5696961799818	-101.4119801	292225.2265	4385823.646057402	324.7910845253636	321.921185765948	313.7587665932191	79.4552862670376
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304	303	223784	-170961.1413	19717.7172025076	39.56970392069235	-101.4057613	293431.437035168	4385798.184175791	3265.679093	3211.3892844049556	3129.974796486936	79.4162293732674
305	303	223785	-170301.1413	19717.7172025076	39.56970697215988	-101.4034027	293632.46756601465	4385792.583894646	3210.1196307812262	3128.85371793214	3124.728680872947	79.4152326849494
306	303	223786	-169641.1413	19717.7172025076	39.5697062	-101.40106	293833.5011290515	4385790.984	3229.45868946507	3128.859375765897	3125.2693341573006	79.4152326849494
307	303	223787	-168881.1413	19717.7172025076	39.569707422	-101.3987394	294034.531696938	4385786.902	3213.81212693036	3207.6074854733697	3119.7581144455557	79.4152326849494
308	303	223788	-168231.1413	19717.7172025076	39.5697057146431	-101.3963388	294235.567585665	4385782.70215383	3214.564263226905	3206.36122880578	3116.357962803066	79.4152326849494
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320	303	223800	-160401.1413	19717.7172025076	39.56972093022475	-101.368311	296647.9051852907	4385733.85973393	3256.207314623138	3191.043943	3078.635520263478	79.4152326849494
321	303	223801	-159741.1413	19717.7172025076	39.56972138700728	-101.3659704	296848.9681635706	4385729.781107549	3248.310702795444	3189.70347518545	3079.082516441534	79.4152326849494
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323	303	223803	-158421.1413	19717.7172025076	39.56972536682025	-101.3612891	297251.04218376277	4385721.6245117225	3248.310702795444	3189.70347518545	3079.082516441534	79.4152326849494
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346	303	223826	-143241.1413	19717.7172025076	39.56974915065565	-101.3074633	301874.962097155	4385627.88717128	3243.1378215856334	3173.724546339424	3073.724546339424	79.4152326849494
347	303	223827	-142581.1413	19717.7172025076	39.569750114204991	-101.3051132	302075.708476484	4385623.814879534	3243.1378215856334	3173.724546339424	3073.724546339424	79.4152326849494
348	303	223828	-141921.1413	19717.7172025076	39.56975108826154	-101.3027726	302276.738	4385619.71262634	3243.1378215856334	3173.724546339424	3073.724546339424	79.4152326849494
349	303	223829	-141261.1413	19717.7172025076	39.569752059	-101.3004319	3					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevKgs.ft	BR/ElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
423	423	223903	-92421.14133	19717.7172025076	39.598112994980064	-101.1272209	317353.09536971673	438314.930057781	371.2712174695477	381.1812640834264	2946.460748717776	2946.389545762192	114.72015162856053	114.79171823123438
424	423	223904	-91761.14133	19717.7172025076	39.59811299502558	-101.1248802	317554.1065551926	438310.87341408	374.5551692545684	3060.0032731931795	2947.003213696044	2947.00318374027403	112.730033696022	112.730033696022
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426	423	223906	-90441.14133	19717.7172025076	39.598131772548705	-101.120818	317868.1197661284	438303.763748433	378.1121208350509	3057.621163152308	2948.120631334203	2948.3742382238025	109.5044893186059	109.2526510014613
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428	423	223908	-89121.14133	19717.7172025076	39.598144075166104	-101.1155174	318358.14953157306	438294.6350639436	376.18116717719797	3055.18587858868	2947.757713098605	2948.757713098605	106.850145900738	106.6380450398183
429	423	223909	-88461.14133	19717.7172025076	39.59815015862842	-101.1131767	318559.15985231715	438290.599092027	316.920713752562	3053.935144281356	2947.0752673752513	2948.5854016931385	106.8507690610682	105.34791903181929
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436	423	223916	-83841.14133	19717.7172025076	39.5981914768734	-101.0967197	319766.226995056	438262.220331313	311.417680909008	3044.5489037690805	2944.2371131340844	2944.985331555889	101.5223705782477	102.1087131864371
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438	423	223918	-82521.14133	19717.7172025076	39.59820287519023	-101.0921103	320368.2446019343	438254.117624181	310.475462976557	3041.685136263812	2943.76189441081	2949.695925	97.9234513227131	101.9894114302195
439	423	223919	-81861.14133	19717.7172025076	39.59820850539842	-101.089736	320569.2514256525	438250.06523487	310.375899694657	3040.2276261291536	2943.073231846426	2949.492770682136	96.8182591231101	97.348554470771
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441	423	223921	-80541.14133	19717.7172025076	39.59821963331931	-101.085082	320971.269969953	438241.961131635	309.37265571590406	3042.225348546684	2949.3760532370934	2950.3702861	95.9702478910675	97.02478910675
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445	423	223925	-77901.14133	19717.7172025076	39.598241395430824	-101.075818	321785.3079181523	438225.9414049635	308.291482603374	3031.18808511784	2938.132854938712	2945.132854938712	94.15089914892472	96.8646718121375
446	423	223926	-77241.14133	19717.7172025076	39.59824595825568	-101.073846	321976.3084287235	438221.704747963	309.9535237495152	3029.65185854916	2937.4684315677805	2945.132854938712	94.15089914892472	96.8646718121375
447	423	223927	-76581.14133	19717.7172025076	39.59825192882129	-101.0710438	322177.3151903964	438217.654136987	309.996828792516	3028.12173	2936.88623626485	2942.789413985885	92.128569345484	95.3232185271192
448	423	223928	-75921.14133	19717.7172025076	39.598257153137666	-101.0687032	322378.321646972	438213.658037402	309.71103585078	3026.582162497357	2936.30511550206	2941.9501381144134	90.2165099	95.3017643294349
449	423	223929	-75261.14133	19717.7172025076	39.59826233223482	-101.0663265	322579.328958907	438209.536807373	309.4265889072037	3025.038449280905	2937.0314219849915	2941.3662659719	88.0070273089092	94.27178639516324
450	423	223930	-74601.14133	19717.7172025076	39.598267466112724	-101.0640217	322780.3359441523	438205.50334984	309.205148367332	3023.490541537361	2935.251849	2939.510760337685	87.23889623767119	93.9804709
451	423	223931	-73941.14133	19717.7172025076	39.598272564717258	-101.061818	322981.3426313166	438201.453911258	309.711569930048	3021.36891093807	2938.24271384384	2937.36891093807	86.969633696226	94.5990936976339
452	423	223932	-73281.14133	19717.7172025076	39.59827795971058	-101.0594303	323175.3079181523	438197.044049635	309.4391428306374	3020.379389846456	2936.653892077647	2942.912766700000	86.969633696226	94.5990936976339
453	423	223933	-72621.14133	19717.7172025076	39.59828325964308	-101.0569996	323383.354450532	438193.35129494	309.681296882627	3018.80857641115	2937.4057130310397	2941.02161823167	85.3515031	98.7960545879846
454	423	223934	-71961.14133	19717.7172025076	39.598287549431329	-101.0546589	323584.3603843354	438189.306071347	309.611242447884	3017.2264427884	2938.676181980465	2947.33288737995	85.3515031	98.7960545879846
455	423	223935	-71301.14133	19717.7172025076	39.59829257127121	-101.0523181	323785.3661518345	438185.257235013	309.403545628864	3015.632261002752	2941.1194486084605	2944.3575149971956	85.3515031	98.7960545879846
456	423	223936	-70641.14133	19717.7172025076	39.598297319774815	-101.0499774	323986.3714777586	438181.20862403	309.2558179302469	3014.021729451836	2944.8057459718148	2941.781246342889	85.3515031	98.7960545879846
457	423	223937	-69981.14133	19717.7172025076	39.598303213711758	-101.0476367	324187.3712712107	438177.160227479	309.831289150075	3012.411232582758	2948.146320205919	2947.201664785742	85.3515031	98.7960545879846
458	423	223938	-69321.14133	19717.7172025076	39.59830864818381	-101.045426	324388.382456975	438173.112057497	309.7198044716646	3010.78503725724	2946.443397174694	2947.201664785742	85.3515031	98.7960545879846
459	423	223939	-68661.14133	19717.7172025076	39.59831163617438	-101.0429553	324589.387608041	438169.064105615	309.574737930055	3009.471760989265	2945.57108971560926	2950.87819384049	85.3515031	98.7960545879846
460	423	223940	-68001.14133	19717.7172025076	39.59831671832094	-101.0406146	324790.39251971844	438165.016372155	309.4026805417975	3007.499282065501	2945.246956003588	2950.87819384049	85.3515031	98.7960545879846
461	423	223941	-67341.14133	19717.7172025076	39.59832095429741	-101.0382738	324991.397260441	438161.068875277	309.2676082	3005.839868429634	2947.1924717090305	2944.65178935095	85.3515031	98.7960545879846
462	423	223942	-66681.14133	19717.7172025076	39.59832554554335	-101.0359331	325192.401831629	438156.912588692	309.0767293061677	3004.1698849242406	2940.2097152283336	2937.3078338562	85.3515031	98.7960545879846
463	423	223943	-66021.14133	19717.7172025076	39.59833009156935	-101.0335924	325393.4062327705	438152.845256555	308.738264175377	3002.4897178129783	2941.85014091955	2937.3078338562	85.3515031	98.7960545879846
464	423	223944	-65361.14133	19717.7172025076	39.59833459	-101.031257	325594.410629454	438148.75861752	308.6000316713133	3001.15876648049	2939.69902668078	2939.69902668078	85.3515031	98.7960545879846
465	423	223945	-64701.14133	19717.7172025076	39.59833902149368	-101.029028	325795.4183543824	438144.704210453	308.462794166646	3000.00000000000	2938.47883424536	2939.69902668078	85.3515031	98.7960545879846
466	423	223946	-64041.14133	19717.7172025076	39.59834345833254	-101.0265702	325996.4184154628	438140.734706756	308.31520533394	2997.39988984668	2937.6581302422	2939.69902668078	85.3515031	98.7960545879846
467	423	223947	-63381.14133	19717.7172025076	39.59834782348219	-101.0242295	326197.421376248	4						

ix	iy	x-ft	Y-ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev-ft	W.Lt.	BRIElevKsg-ft	BRIElevBothK-ft	SurfToBothK-ft		
548	300	242029	-9261.141327	19717.7172025076	39.588518383187	-00.8322897	342679.1709923887	3484805.65580198	2882.7818590381403	2823.1476717186074	2805.0273869560847	2905.80123456772536	27.12022666522782	26.34637811313583
550	303	242030	-9601.141327	19717.7172025076	39.58852456298016	-00.829489	342880.1613789739	3484801.62799868	2884.123945345685	2829.96108262574	2806.2455746301493	2905.103827912413	23.44457246301723	23.44457246301723
551	303	242031	-7941.141327	19717.7172025076	39.588536189435	-00.827698	343081.1516133245	3484797.6004169837	2888.415505098454	2828.5132692143925	2810.0614171869484	2910.384722143678	18.45179038843217	18.45179038843217
552	303	242032	-7281.141327	19717.7172025076	39.588535383470674	-00.8252675	343282.1416967286	3484793.53050272	2898.628932956992	2827.267041338709	2810.7916624147243	2910.553174455434	16.47537914465436	16.47537914465436
553	303	242033	-6621.141327	19717.7172025076	39.588540509727526	-00.8226227	343483.1316273883	3484789.785196552	2903.844711493714	2826.0755271962817	2811.055661247183	2910.908894309794	15.01996594096805	15.01996594096805
554	304	242034	-5961.141327	19717.7172025076	39.588545697643386	-00.820586	343684.1214070995	3484785.51899776	2917.0585404908286	2824.91042027551	2810.9911451689572	2910.85177995084	13.9179696	14.05916256876738
555	305	242035	-5301.141327	19717.7172025076	39.5885486758139	-00.8182453	343885.1103365504	3484781.49229961	2921.18211522146633	2823.765116238306	2810.6189119503265	2910.340124125205	13.44420428650414	13.44420428650414
556	306	242036	-4641.141327	19717.7172025076	39.58855521717863	-00.8159405	344086.10051311424	3484777.46582311	2928.0132271760845	2822.641285041767	2809.9785625397367	2910.891407796178	12.6556569444003	13.120505423039973
557	307	242037	-3981.141327	19717.7172025076	39.58855552595904	-00.813538	344287.0986382586	3484774.33687207	2931.571891362305	2821.571891362305	2809.217222900494	2909.30377863754	12.3007694024738	12.3007694024738
558	308	242038	-3321.141327	19717.7172025076	39.58855572113545	-00.8112231	344489.071058446	3484769.41332327	2932.68652293458	2820.419427050727	2808.975362429189	2906.3376588369	11.4440065153018	13.48178116437724
559	309	242039	-2661.141327	19717.7172025076	39.5885567651626	-00.8088823	344689.0680417004	3484763.38771913	2934.823729516763	2819.42307193583	2808.143006873815	2908.338678311247	11.1990500200544	12.4023665245838
560	310	242040	-2001.141327	19717.7172025076	39.588556127369164	-00.8065416	344890.5091726995	3484761.36212509	2938.84689345307	2818.288567265572	2807.344659890807	2906.22110678147	10.94307778876564	12.06740980683306
561	301	242041	-1341.141327	19717.7172025076	39.58855624186721	-00.8042008	345091.0456248705	3484757.336725815	2942.8565738725815	2817.255140028217	2806.648142323407	2904.87173984791	10.252369939102	12.38336037850728
562	302	242042	-681.1413269	19717.7172025076	39.5885631114546	-00.8018691	345292.3041278631	3484753.312	2936.86141773365	2816.24341477365	2806.040244238612	2903.90519013045	10.23170490042794	12.29315286061126
563	303	242043	-21.14132693	19717.7172025076	39.58856335245874	-00.7995194	345493.022448761	3484749.286671119	2941.7655410033945	2815.26657758777	2805.1267517766826	2903.11022001008	10.13384236219414	10.13384236219414
564	304	242044	328.8586730733514	19717.7172025076	39.5885631404244	-00.797178	345694.0109	3484745.2518161579	2947.5476406555	2814.297652	2804.765719115823	2904.485983177407	9.53193241892781	9.5319322200334
565	305	242045	1298.8586730733514	19717.7172025076	39.58856247661215	-00.7948379	345894.90949685	3484741.23472918	2953.343991870618	2813.369148904893	2804.67271910017	2903.626853192166	8.89647679032451	9.74231371252678
566	306	242046	1598.8586730733514	19717.7172025076	39.58856136001025	-00.7924972	346094.987	3484737.213	2959.133217027814	2812.473451172597	2804.581640362384	2903.233390793514	8.195011209037933	8.195011209037933
567	307	242047	2618.8586730733514	19717.7172025076	39.5885592739215	-00.7901564	346296.974858216	3484733.1891581	2961.586740261057	2811.612573825449	2804.124024916091	2907.7762055003	7.48854890935824	7.83281717046369
568	308	242048	3278.8586730733514	19717.7172025076	39.5885577719849	-00.7878157	346497.96254019205	3484730.16533202	2968.7843610963956	2810.78483631541	2805.6652422874054	2905.410951167856	6.112324134739664	6.112324134739664
569	309	242049	3938.8586730733514	19717.7172025076	39.58855529937926	-00.785475	346698.950734389	3484725.11782441	2969.872381669335	2807.020783447507	2806.132628011165	2907.155207115403	4.788193345962345	4.788193345962345
570	310	242050	4598.858673073351	19717.7172025076	39.58855527457546	-00.7831342	346895.937458569	3484711.41824243	2969.010202366174	2805.26676228474	2804.7921035130579	2907.47132089727	3.74231151710727	3.74231151710727
571	301	242051	5183.858673073351	19717.7172025076	39.588546354574	-00.780368	347193.745141478	3484691.3169861945	2968.261308819545	2804.345693397347	2803.914569142875	2907.1924947482	2.7273389420254	2.7273389420254
572	302	242052	5918.858673073351	19717.7172025076	39.58854516837275	-00.7784528	347391.9117852091	3484710.07223604	2959.438953289453	2807.686219490226	2806.366815138047	2904.541002171636	2.1519613512703	2.1519613512703
573	303	242053	6578.858673073351	19717.7172025076	39.5885408894627	-00.776112	347502.9887272977	3484709.05	2960.122340148471	2807.26231048471	2804.758422942677	2903.90074147252	2.352091873848832	2.352091873848832
574	304	242054	7238.858673073351	19717.7172025076	39.58853615377714	-00.7737713	347703.885520097	3484705.027012887	2960.585500805754	2806.6725409045	2804.392593036184	2903.783414555247	2.22486173261592	2.22486173261592
575	305	242055	7998.858673073351	19717.7172025076	39.588531	-00.7714306	347904.8721696318	3484701.704723496	2960.448586471885	2806.128856142693	2804.611530248939	2903.783414555247	2.1519613512703	2.1519613512703
576	306	242056	8558.858673073351	19717.7172025076	39.588532539887	-00.7690898	348105.858673073351	3484696.96267884	2959.601457345463	2805.61526977747	2804.785492745898197	2903.783414555247	2.1519613512703	2.1519613512703
577	307	242057	9183.858673073351	19717.7172025076	39.588532539887	-00.7667491	348306.8450242815	3484691.3169861945	2958.761308819545	2804.345693397347	2803.914569142875	2907.1924947482	2.7273389420254	2.7273389420254
578	308	242058	9678.858673073351	19717.7172025076	39.5885126977007	-00.764084	348507.8312031056	3484693.953215962	2957.90722143473	2803.914569142875	2803.914569142875	2907.1924947482	2.7273389420254	2.7273389420254
579	309	242059	10358.858673073351	19717.7172025076	39.58855057024193	-00.7620676	348708.8172933532	3484684.91781863	2956.7702426214	2804.2749972976	2803.00927144427	2903.783414555247	2.1519613512703	2.1519613512703
580	310	242060	11198.858673073351	19717.7172025076	39.58854982553325	-00.7597269	348909.8032050923	3484680.89662052	2953.5342843475687	2803.783414555247	2802.89778425715	2903.783414555247	2.1519613512703	2.1519613512703
581	301	242061	11858.858673073351	19717.7172025076	39.58854903566491	-00.7573862	349110.7889779656	3484676.87586205	2950.901364430125	2803.47340614797	2802.980571674317	2903.783414555247	2.1519613512703	2.1519613512703
582	302	242062	12518.858673073351	19717.7172025076	39.5885482054665	-00.7550454	349311.774601749	3484672.854501942	2948.62458430576	2803.6732548793286	2801.967450130129	2903.783414555247	2.1519613512703	2.1519613512703
583	303	242063	13178.858673073351	19717.7172025076	39.58854732020897	-00.7527707	349512.7608005897	3484673.43436679	2946.733687141247	2802.927131878925	2801.7477032429581	2903.783414555247	2.1519613512703	2.1519613512703
584	304	242064	13838.858673073351	19717.7172025076	39.588546354574	-00.750368	349713.745141478	3484691.3169861945	2945.261308819545	2804.345693397347	2803.914569142875	2907.1924947482	2.7273389420254	2.7273389420254
585	305	242065	14498.858673073351	19717.7172025076	39.58854523873055	-00.7480233	349914.7306	3484690.79406994	2944.83953289453	2807.686219490226	2806.366815138047	2904.541002171636	2.1519613512703	2.1519613512703
586	306	242066	15188.858673073351	19717.7172025076	39.58854407875655	-00.7456825	350115.7154643816	3484656.77421691	2945.421673520612	2801.694893073803	2806.70981852978	2905.47157509825	3.498991118482566	3.498991118482566
587	307	242067	15588.858673073351	19717.7172025076	39.5885434665827	-00.7433417	350316.7005427296	3484652.75460073	2945.321673616213	2801.369506323165	2804.783414555247	2903.783414555247	2.1519613512703	2.1519613512703
588	308	242068	16478.858673073351	19717.7172025076	39.5885422042062	-00.741001	350517.6839705077	3484648.73	2945.713534738217	2801.04818798526	2804.783414555247	2903.783414555247	2.1519613512703	2.1519613512703
589	309	242069	17138.858673073351	19717.7172025076	39.58854109	-00.7386603	350718.760070237	3484644.71598283	2945.0538252022	2800.728631	2800.728631	2903.783414555247	2.1519613512703	2.1519613512703
590	310	242070	17598.858673073351	19717.7172025076	39.5885398166854	-00.736319	350919.654472645	3484640.697013227	2946.3941770417226	2800.4905845186	2800.4905845186	2903.783414555247	2.1519613512703	2.1519613512703
591	301	242071	18248.858673073351	19717.7172025076	39.5885386973073351	-00.734084	351200.86242915	3484641.3169861945	2945.261308819545	2804.345693397347	2803.914569142875	2907.1924947482	2.7273389420254	2.7273389420254
592	302	242072	19118.858673073351	19717.7172025076	39.5885373622741	-00.731823	351231.6229771926	3484632.659719327	2946.1114791352	2800.3201006616	2805.556815695617	2904.541002171636	2.15196	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BRELEVLogKrg.ft	BRELEVLogKrg.ft	OnAth3Krg.ft	SatTh3Krg.ft
65	303	224155	73898.8586730335	19.7117	73.102502676	39.58627279232695	-0.05373577	368002.8297475128	348299.890154334	2754.120831348639	2659.949610668317	2630.900263414598	29.04934725371868
66	303	224156	74558.8586730335	19.7117	73.102502676	39.58626779347100	-0.05350317	368203.8025986102	348296.890128022	2752.52504290459	2659.947659290482	2628.1518712704727	26.2840196448304
67	303	224157	75218.8586730335	19.7117	73.102502676	39.5862623624490136	-0.05326763	368404.7832390027	348291.890321591	2750.931178381496	2658.158725973445	2626.5278881826985	28.83082191052601
67b	303	224158	75878.8586730335	19.7117	73.102502676	39.586257486289974	-0.05303576	368505.74862268936	348287.890750305	2749.372519173156315	2657.92190151332665	2623.39603579411	30.7426202163649
67b	303	224159	76538.8586730335	19.7117	73.102502676	39.58625248467054	-0.05279949	368606.7203690716	348283.891	2750.116276252638	2656.42165482446	2620.976046912106	28.1226610366493
68	303	224160	77198.8586730335	19.7117	73.102502676	39.58624698231886	-0.05256542	369007.69274396915	348279.892	2753.269934	2655.5740311859945	2619.28415090552	26.2905496734626
681	303	224161	77858.8586730335	19.7117	73.102502676	39.5862416637397	-0.05233134	369208.6646695757	348275.938294505	2756.322371604477	2647.79578541120595	2618.099128741064	26.55700034783425
682	303	224162	78518.8586730335	19.7117	73.102502676	39.5862362329685	-0.05209727	369408.7640409225	348271.89458734	2759.7562571734054	2653.9202787134054	2617.621847560758	26.39284112564748
683	303	224163	79178.8586730335	19.7117	73.102502676	39.586230927000515	-0.0518652	369610.6508367465	348267.892361465	2760.023851544608	2653.11310084988	2616.58895823299	28.83082191052601
684	303	224164	79638.8586730335	19.7117	73.102502676	39.58622547948499	-0.05162913	369811.59898472614	348263.897832501	2757.765210744615	2652.3178831515448	2615.1312181947	29.1310241200513
685	303	224165	80498.8586730335	19.7117	73.102502676	39.5862196867023	-0.05139608	370012.5552082384	348259.894978493	2755.056056347635	2651.323275347416	2620.1420030360373	26.2905496734626
686	303	224166	81158.8586730335	19.7117	73.102502676	39.58621446799634	-0.05116999	370213.5242074921	348255.902	2753.247922	2650.75550448111	2620.89604451419	26.25179632513721
687	303	224167	81818.8586730335	19.7117	73.102502676	39.5862088652324	-0.05095928	370415.45862599163	348251.904384773	2754.67129049339	2649.9851420121863	2621.317541734702	26.285600727484325
688	303	224168	82478.8586730335	19.7117	73.102502676	39.586203273102	-0.0507285	370615.4674034036	348247.90690442	2756.778603919625	2649.211098129113	2621.472286393317	26.25179632513721
689	303	224169	83138.8586730335	19.7117	73.102502676	39.5861975636193	-0.05049877	370816.43862175266	348243.91	2758.878930990554	2648.450203498381	2620.525505770355	27.5245177274566
690	303	224170	83798.8586730335	19.7117	73.102502676	39.5861918447891	-0.0502747	371017.4093602633	348239.9121243084	2760.992512678208	2647.6730372561358	2620.1704054654874	27.5202628
691	303	224171	84458.8586730335	19.7117	73.102502676	39.5861860073947	-0.04999063	371218.380161140425	348235.9161140425	2762.87670589715	2646.8770589715	2619.096147397987	27.5202628
692	303	224172	85118.8586730335	19.7117	73.102502676	39.5861802174067	-0.04975656	371419.3510250325	348231.91960472	2764.587079176665	2646.07465340035	2617.4692528494578	27.5202628
693	303	224173	85778.8586730335	19.7117	73.102502676	39.58617441698215	-0.04952249	371620.3219402798	348227.923315187	2766.255033854041	2645.2032215465915	2615.060132790342	27.5202628
694	303	224174	86438.8586730335	19.7117	73.102502676	39.58616821727586	-0.04928842	371821.2925526325	348223.923724538	2768.352369790047	2644.304569692154	2611.9702147358284	27.5202628
695	303	224175	87098.8586730335	19.7117	73.102502676	39.5861625742981	-0.04904535	372022.2630343575	348218.913	2770.144834549897	2643.5069682415	2608.99183351831	26.55700034783425
696	303	224176	87838.8586730335	19.7117	73.102502676	39.58615658	-0.04882028	372223.23311100616	348215.935764825	2771.271393	2642.3248657105	2605.911761465284	26.55700034783425
697	303	224177	88598.8586730335	19.7117	73.102502676	39.58615039559442	-0.04858621	372424.3027	348212.94055014	2772.434871828972	2641.2434781589724	2603.911761465284	26.55700034783425
698	303	224178	89078.8586730335	19.7117	73.102502676	39.5861446625373	-0.04833123	372625.1378116184	348207.945	2778.484130267487	2640.078918744006	2599.933232780762	25.995509824101
699	303	224179	89738.8586730335	19.7117	73.102502676	39.586138340455044	-0.04811806	372826.138	348203.950191762	2780.88274862924	2638.82267862924	2596.974722881947	25.995509824101
700	303	224180	90398.8586730335	19.7117	73.102502676	39.58613216943379	-0.0478839	373027.113664729	348199.955440102	2781.52136701887	2637.4988113991762	2593.596435913324	25.995509824101
701	303	224181	90858.8586730335	19.7117	73.102502676	39.58612595	-0.04764992	373228.0834251027	348195.96008102	2783.05814828546	2636.093240756493	2590.93642829233	25.995509824101
702	303	224182	91718.8586730335	19.7117	73.102502676	39.58611969173492	-0.04741585	373429.0350640843	348191.96959758	2785.493157370087	2634.602202773585	2598.519826094574	25.995509824101
703	303	224183	92378.8586730335	19.7117	73.102502676	39.58611339552544	-0.04718178	373630.025619816	348187.972503056	2787.673681712864	2633.196171769114	2596.727475760076	25.995509824101
704	303	224184	93038.8586730335	19.7117	73.102502676	39.58610710927392	-0.0469477	373831.0226012916	348183.97629992	2789.8515480318193	2631.5151496037162	2594.93292200467	25.995509824101
705	303	224185	93698.8586730335	19.7117	73.102502676	39.5861003604248	-0.04671364	374031.961253757	348179.94876553	2790.74532725342	2629.907745330276	2593.136980171844	25.995509824101
706	303	224186	94358.8586730335	19.7117	73.102502676	39.58609419370732	-0.04647957	374232.93041478953	348175.951942733	2791.63180004285	2627.7418920740502	2571.317189	25.995509824101
707	303	224187	95018.8586730335	19.7117	73.102502676	39.58608716051321	-0.0462455	374433.8996	348171.998328251	2793.238024177533	2626.633526436225	2567.524431167513	25.995509824101
708	303	224188	95678.8586730335	19.7117	73.102502676	39.58608117	-0.04601143	374634.86836976384	348168.005	2794.707353277007	2624.987395468739	2563.6232334012	25.995509824101
709	303	224189	96338.8586730335	19.7117	73.102502676	39.58607455938255	-0.04577736	374835.83716771774	348164.012558885	2795.77686	2623.3423484909	2568.794188158894	25.995509824101
710	303	224190	96998.8586730335	19.7117	73.102502676	39.58606819551984	-0.04554329	375036.8804743857	348160.016758454	2796.87872503056	2621.7029717169191	2566.927802718132	25.995509824101
711	303	224191	97658.8586730335	19.7117	73.102502676	39.58606133747684	-0.04530922	375237.7744063034	348156.027667575	2797.9403241236004	2620.0736958154	2559.196232900697	25.995509824101
712	303	224192	98318.8586730335	19.7117	73.102502676	39.5860549009096	-0.04507515	375438.742487289	348152.036	2799.8519652019	2618.457554263054	2548.02290349299	25.995509824101
713	303	224193	98978.8586730335	19.7117	73.102502676	39.5860482131625	-0.04484108	375639.11716870915	348148.04356514	2798.886899174375	2616.855621606915	2545.79964234348	25.995509824101
714	303	224194	99638.8586730335	19.7117	73.102502676	39.586041027145314	-0.04460701	375840.67932119015	348144.051977306	2799.8781913143568	2615.268687242947	2547.772143	25.995509824101
715	303	224195	100298.8586730335	19.7117	73.102502676	39.5860347784016	-0.04437294	376041.6475	348140.065019631	2799.8781913143568	2613.69690699579	2547.772143	25.995509824101
716	303	224196	100958.8586730335	19.7117	73.102502676	39.5860273331276	-0.0441387	376242.615524367	348136.069	2799.8781913143568	2612.138420431197	2544.95032319579	25.995509824101
717	303	224197	101618.8586730335	19.7117	73.102502676	39.5860208536696	-0.04390437	376443.625019816	348132.076069	2799.8781913143568	2610.56817820287	2542.91665171404	25.995509824101
718	303	224198	102278.8586730335	19.7117	73.102502676	39.5860133586037	-0.04367073	376644.5511051026	348128.08746176	2799.8781913143568	2609.05315473003	2540.95032319579	25.995509824101
719	303	224199	102938.8586730335	19.7117	73.102502676	39.58600633	-0.04343666	376845.8187191065	348124.09682123	2799.8781913143568	2607.57347251421	2561.970840842263	25.995509824101
720	303	224200	103598.8586730335	19.7117	73.102502676	39.58599925302884	-0.04320259	377046.4862195473	348120.165219855	2799.8781913143568	2606.0514480718	2563.61512021545136	25.995509824101
721	303	224201	104258.8586730335	19.7117	73.102502676	39.58599213210944	-0.04296852	377247.453995674	348116.116	2799.8781913143568	2604.434937928021	2564.510543685134	25.995509824101
722	303	224202	104918.8586730335	19.7117	73.102502676	39.58598496574295	-0.04273455	377448.4288585401	348112.12460146	2799.8781913143568	2602.901837110786	2566.57872807428	25.995509824101
723	303	224203	105578.8586730335	19.7117	73.102502676	39.5859777551984	-0.04250038	377649.3880470752	348108.136758454	2799.8781913143568	2601.353818282387	2568.95941830983	25.995509824101
724	303	224204	106238.8586730335	19.7117	73.102502676	39.5859704924885	-0.04226631	377849.3550354329	348104.17871358	2799.8781913143568	2600.04356504976	2567.524431167513	25.995509824101
725	303	224205	106898.8586730335	19.7117	73.10250								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtBothKrg.ft	SatHtBothKrg.ft
61	304221	-333141.1413	923237.3170250766	39.59467086023764	-10.19745362	244577.8577670112	389999.078	3697.3434416705895	3427.875737003427	3472.7756545288103	3483.618389291193	55.10011847461692	44.2573871223406	
62	304222	-330681.1413	923237.3170250766	39.59465353816233	-10.19721958	24478.94667220963	389994.504896648	3698.430744038114	3526.593736017515	3470.935963292343	3485.153134023748	56.65441296559959	44.44022267	
63	304223	-330261.1413	923237.3170250766	39.59461717091683	-10.19698454	24480.0352535358	389990.804256191	3703.921963350968	3525.300513893715	3468.1076347993315	3480.082657005654	56.11284652903316	44.2234833315136	
64	304224	-329361.1413	923237.3170250766	39.5947385844143	-10.1967515	24511.7127563034	389996.6678417595	3710.817879441035	3522.905454884616	3470.620896066755	3475.861434977856	56.39295579	48.13009119076535	
65	304225	-328701.1413	923237.3170250766	39.59476130075582	-10.19657145	245382.21178375757	3899962.813560851	3717.313805352558	3522.6745664741577	3466.1545999414123	3470.0718450460326	56.61906456	45.65611410732626	
66	304226	-328041.1413	923237.3170250766	39.594718377859996	-10.19628341	245583.2997697004	389993.919568054	3724.609731624388	3521.33838538633	3464.804393366295	3474.918045934526	56.534131923378	46.42051889034576	
67	304227	-327381.1413	923237.3170250766	39.594806249573944	-10.19604837	245784.38741447162	3899947.259940458	3722.205132584991	3519.82732584991	3463.679137897506	3470.37177392093	56.3861808748518	47.25442905	
68	304228	-326721.1413	923237.3170250766	39.59482865643764	-10.1958132	245985.4748074727	3899970.124186710	3730.501038435634	3518.621586627371	3462.571957195736	3472.545166023717	56.044067052347	47.06470603663533	
69	304229	-326061.1413	923237.3170250766	39.594851017911804	-10.19558126	246186.7549173814	389995.981372563	3698.7610329266	3517.242237147871	3461.411627889892	3470.935963292343	56.8916880254874	47.9916880254874	
70	304230	-325401.1413	923237.3170250766	39.59487332412608	-10.19534723	246387.648833795128	389991.854071344	3697.05066741709	3515.80395338152	3460.675599138703	3466.8230801154637	55.17079139405456	49.0253103235156	
71	304231	-324741.1413	923237.3170250766	39.59488595522404	-10.19511318	246588.7347561268	3899957.91230401	3685.666365965035	3514.46327138027	3460.001887334237	3465.380982018323	54.7744347370006	49.0653511973962	
72	304232	-324081.1413	923237.3170250766	39.59491783106878	-10.19487915	246789.8219685754	389993.584614334	3704.250028575982	3513.030533793484	3459.568628	3463.4999194712796	53.46070578005584	49.53061450266887	
73	304233	-323421.1413	923237.3170250766	39.59494001170043	-10.194651	246990.980071581	389990.804256191	3703.183691154996	3511.603473	3459.691061922564	3462.741558619136	53.46070578005584	48.79341805	
74	304234	-322761.1413	923237.3170250766	39.59496214713256	-10.19441106	247191.993054321	389994.51605317	3712.239257375202	3509.17640668894	3459.7452989271827	3462.16740618894	50.428217141122	47.9973653	
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76	304236	-321441.1413	923237.3170250766	39.59500262324304	-10.19394227	247594.160220957	3899937.048398052	3725.3407668672908	3507.262816744869	3458.82154161675	3460.2825145751904	48.43837125803966	46.9803677098746	
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78	304238	-320121.1413	923237.3170250766	39.59505206211067	-10.19347488	247996.335051731	3899928.761640521	3736.904313502752	3504.335624312721	3452.3587600734027	3453.706479766007	51.97664239318274	51.1326766312022	
79	304239	-319461.1413	923237.3170250766	39.59507215	-10.19324083	248197.41969025802	3899924.64899142	3739.19192188592	3502.8657053453676	3448.1948394383204	3448.857869476286	54.07696585154205	54.0073858664909	
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81	304241	-318141.1413	923237.3170250766	39.59511582918195	-10.19277274	248599.5882355003	3899916.3839116	3746.779071058733	3499.91677278646	3439.820453279506	3440.292610389403	60.09642419883403	59.6240635838524	
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87	304247	-314181.1413	923237.3170250766	39.5952457	-10.19136847	249806.076362524	389989.59236457	3759.389390373695	3486.2174905209604	3436.302752374266	3437.749051640914	54.6918629629439	54.6918629629439	
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89	304249	-312861.1413	923237.3170250766	39.5952896131568	-10.1909037	250208.252498956	3899883.252498956	3765.288359686278	3487.38659686278	3436.318614829493	3437.351201046048	52.14032894705915	52.14032894705915	
90	304250	-312201.1413	923237.3170250766	39.59531016520375	-10.1906623	250409.3106230956	3899879.199984928	3768.793071435654	3485.9307311185	3435.42086351185	3437.351201046048	52.14032894705915	52.14032894705915	
91	304251	-311541.1413	923237.3170250766	39.59533152039374	-10.19043228	250610.4160062734	3899875.09634738	3765.78896270035	3484.5932249941197	3430.29433407997	3430.29433407997	52.14032894705915	52.14032894705915	
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94	304254	-309561.1413	923237.3170250766	39.59539536127839	-10.18973014	251213.6592356353	3899862.67963958	3780.382961138007	3480.329961012493	3429.961403362168	3429.961403362168	52.14032894705915	52.14032894705915	
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97	304257	-307581.1413	923237.3170250766	39.59545876381705	-10.189028	251816.90082781963	3899850.29230471	3787.32328869933	3475.70828358595	3412.268733536707	3411.525983190834	62.683511754165626	62.683511754165626	
98	304258	-306921.1413	923237.3170250766	39.5954783397056	-10.18879395	252017.9807163423	3899846.16338174	3782.261854940245	3474.260128909752	3407.4531814755387	3405.75808	66.7529474333652	66.7529474333652	
99	304259	-306261.1413	923237.3170250766	39.59550083911477	-10.1885599	252219.06047038	3899842.03499387	3782.6657567128213	3403.05054892703	3400.742392384793	3400.742392384793	66.7529474333652	66.7529474333652	
100	304260	-305601.1413	923237.3170250766	39.595521799047376	-10.18832585	252420.1392413852	3899837.90673690	3790.1300740442178	3491.130575919266	3399.3620862601194	3399.3620862601194	71.7684856659116	71.7684856659116	
101	304261	-304941.1413	923237.3170250766	39.59554271376834	-10.1880918	252621.2193324087	3899833.75790193	3797.729902	3469.801471321212	3398.39201455288	3398.39201455288	71.7684856659116	71.7684856659116	
102	304262	-304281.1413	923237.3170250766	39.59556358327759	-10.1878576	252822.296970558	3899829.61	3796.3234449462	3468.079860880202	3398.39201455288	3398.39201455288	71.7684856659116	71.7684856659116	
103	304263	-303621.1413	923237.3170250766	39.59558463166506	-10.1876241	253023.4402167284	3899825.33635361	3797.729902	3468.079860880202	3398.39201455288	3398.39201455288	71.7684856659116	71.7684856659116	
104	304264	-302961.1413	923237.3170250766	39.5956051866506	-10.18738966	253225.45529424112	3899819.35624614	3799.193324749502	3465.051467754177	3384.72705804459	3384.72705804459	71.7684856659116	71.7684856659116	
105	304265	-302301.1413	923237.3170250766	39.5956259020534815	-10.18715561	253425.5326379394	3899817.2644661	3799.193324749502	3465.051467754177	3384.72705804459	3384.72705804459	71.7684856659116	71.7684856659116	
106	304266	-301641.1413	923237.3170250766	39.5956469919688	-10.18692156	253626.6115154966	3899813.14147053	3799.1933247						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKsg.f	BRElevBothK.f	SurfKsg.f	SurfBoth.f
187	244407	-248181.1413		925237.3170250766	36.59177223877901	-01.6796319	269913.1386235775	4386479.60224497	3510.649373491614	3383.0683615573774	3248.01997967012	3244.5532483947422	35.04839060836548	138.51511319085313
188	244408	-247621.1413		925237.3170250766	36.591718921994152	-01.6772913	27014.19713230883	4386475.49373817	3508.77618591079	3382.397941000644	3247.1020260635024	3241.6033373204064	35.07345678680584	140.73645678680584
189	244409	-246861.1413		925237.3170250766	36.592035155899161	-01.6752697	270315.2587191824	4386476.740167815	3508.920865970638	3381.6181613057433	3246.293701015619	3238.6562289191549	35.13252611780367	142.60297680219637
190	244410	-246201.1413		925237.3170250766	36.592723046621885	-01.6726201	270516.133972462	4386467.274074087	3508.02903949156	3380.923039431575	3245.5521622068797	3236.756397378517	35.3507691192574	144.17270061062055
191	244411	-245651.1413		925237.3170250766	36.59273880213971	-01.6720269	270717.3720309697	4386463.1695124265	3504.782543173615	3380.190761288742	3244.824844852069	3235.7584645378006	35.36627643667316	144.32229675094153
192	244412	-244881.1413		925237.3170250766	36.59275660244257	-01.6679289	270918.4280676116	4386456.1698124757	3499.161523921762	3380.479326317242	3243.985352729413	3245.735453178906	35.429527809236912	143.74226808968166
193	244413	-244221.1413		925237.3170250766	36.59277347350341	-01.6655883	271119.4873863919	4386454.9543918075	3493.539848053027	3378.759672	3243.1571356483782	3237.3096310423875	35.60253858502188	141.400411910126
194	244414	-243661.1413		925237.3170250766	36.592729015740325	-01.6632477	271320.54473964375	4386450.846176958	3493.818504090927	3378.0316415631105	3242.209711882715	3237.821962039678	35.61922966039544	147.19560520324319
195	244415	-242901.1413		925237.3170250766	36.5927666226101	-01.6608472	271521.6018675741	4386446.740167815	3498.1268529498	3374.136187324662	3240.81351352405	3238.6562289191549	35.152456281362045	142.60297680219637
196	244416	-242241.1413		925237.3170250766	36.59273244151309	-01.6585666	271722.68770389	4386442.633918136	3498.113418252417	3375.612473751768	3239.86560445541	3230.960901	35.64203907196325	145.551274674095
197	244417	-241581.1413		925237.3170250766	36.59374001573126	-01.656226	271923.7154482924	4386438.527	3490.171460142314	3375.695195486661	3238.5046767860055	3231.70313891690	35.1607189593527	143.930250556975267
198	244418	-240921.1413		925237.3170250766	36.59375654474366	-01.6538854	272214.7719014934	4386434.421	3492.120873034827	3374.822627987753	3237.032411168173	3232.0538494371845	37.7909516306023	142.76713319159083
199	244419	-240261.1413		925237.3170250766	36.59377032054085	-01.6515448	272325.8281	4386430.31404818	3490.941851240574	3373.88472560774	3235.4957550549914	3231.634488393027	38.3887170578276	142.0499737127175
200	244420	-239601.1413		925237.3170250766	36.59373894712285	-01.6492042	272526.881346086	4386426.205804136086	3486.580078559236	3372.81460916651	3233.96048021206	3231.74509712583776	38.88541288535498	141.52681682731
201	244421	-238941.1413		925237.3170250766	36.593740586	-01.6468636	272727.9399149315	4386422.1028725995	3482.218306	3371.781539086195	3232.435211151561	3230.324626	39.34532815525656	141.5367137104948
202	244422	-238281.1413		925237.3170250766	36.593751397673	-01.644523	272928.9955713259	4386417.997438178	3477.8563313622	3370.811057940585	3230.0747670485162	3228.572122779252	39.64333674554222	142.04980351613322
203	244423	-237621.1413		925237.3170250766	36.59473851158532	-01.6421263	273130.0509	4386418.892231018	3475.132771152013	3369.3867855558	3230.106145919308	3227.4021708	39.28532993626096	141.96789013499863
204	244424	-236961.1413		925237.3170250766	36.59475457930609	-01.6398417	273331.106314057	4386409.78724256	3474.005194782245	3368.46420607429	3228.063018800766	3225.18471890639721	39.40713188067329	142.921667777797
205	244425	-236301.1413		925237.3170250766	36.5947708181149	-01.6375011	273532.1609949489	4386405.682487488	3472.983786522003	3366.778094320626	3227.052067571199	3223.5386727608496	39.72602677086343	143.23842165321294
206	244426	-235641.1413		925237.3170250766	36.594781491101504	-01.6351065	273732.312562439	4386401.57971805	3471.907017218725	3365.413452000074	3225.801361934251	3221.61319595843	39.816102840658227	144.1771160024391
207	244427	-234981.1413		925237.3170250766	36.595703217176066	-01.6328199	273934.2700257996	4386397.43839905	3471.671667939022	3364.01905029077	3224.482263274526	3223.9583949075423	39.95682891822002	144.4393018536448
208	244428	-234321.1413		925237.3170250766	36.595751934805151	-01.6304793	274135.3422007137	4386393.37	3471.3278297965	3362.61609004132106	3222.99823039123	3221.1956947280833	39.98301700719827	144.503658512733
209	244429	-233661.1413		925237.3170250766	36.5957739260761	-01.6281671	274356.5782151824	4386389.50353514	3471.4772765491	3361.348027589308	3221.620381801337	3220.958280724953	39.98280173755334	144.535890727459
210	244430	-233001.1413		925237.3170250766	36.59575136610677	-01.6257981	274537.413879678	4386385.16204286	3472.058265722985	3359.709421	3220.0018221199	3221.278899370458	39.70293212540138	147.43505216395715
211	244431	-232341.1413		925237.3170250766	36.595765703719274	-01.6234575	274738.48553781	4386381.058832321	3471.0925915919614	3358.29915919614	3218.1609846030665	3209.737404962	39.700069888499	148.5026176703514
212	244432	-231681.1413		925237.3170250766	36.5957830331618	-01.6211169	274939.5386875835	4386376.95442097	3468.820686431793	3356.759017563885	3221.4523536165289	3207.199144091754	39.7043365910994	148.5597676463396
213	244433	-231021.1413		925237.3170250766	36.59579905409745	-01.6187762	275140.5919751319	4386372.854272025	3466.691545737191	3355.2648010588122	3220.47691888732427	3205.074485174202	39.75429123263955	150.1889585884801
214	244434	-230361.1413		925237.3170250766	36.596148596306	-01.6164356	275341.6446611991	4386368.749728036	3464.491022831203	3353.794197672556	3221.8996052742773	3203.4794644571364	39.8598144929733	150.2797762100076
215	244435	-229701.1413		925237.3170250766	36.59618632601382	-01.6141607	275542.8974095	4386364.5831464692	3463.5172765491	3352.342498266666	3220.81351352405	3218.6562289191549	39.98280173755334	147.19560520324319
216	244436	-229041.1413		925237.3170250766	36.5961753147426	-01.6117544	275743.749596633	4386360.544911451	3463.791279016954	3351.7920166954	3220.07129779252	3218.6562289191549	39.7502936571463	149.957690965777
217	244437	-228381.1413		925237.3170250766	36.59676020506572	-01.6094138	275944.80219262006	4386356.44239014	3462.0262531024	3349.1830209241707	3220.195653134034	3218.6562289191549	39.8598144929733	150.2797762100076
218	244438	-227721.1413		925237.3170250766	36.5967762976842	-01.6070732	276145.85419502005	4386352.340900473	3461.285173883697	3347.6425653436667	3220.1395812803778	3218.6562289191549	39.8598144929733	150.2797762100076
219	244439	-227061.1413		925237.3170250766	36.59678302925531	-01.6047325	276346.90597740425	4386348.23965018	3460.343196679115	3346.094012112055	3220.283214643933	3215.99529660271727	39.8598144929733	150.2797762100076
220	244440	-226401.1413		925237.3170250766	36.597706743526375	-01.6023919	276547.75358897	4386343.17365648	3459.58313673688	3344.536281820514	3220.226623996414	3219.914602739784	39.913309997825945	151.12060074688525
221	244441	-225741.1413		925237.3170250766	36.5977242259158	-01.6000513	276749.008807881	4386340.0367888	3458.03236926245	3342.9711727134593	3219.079301060243	3219.914602739784	39.913309997825945	151.12060074688525
222	244442	-225081.1413		925237.3170250766	36.59773967642086	-01.5977107	276950.0672191824	4386335.05353514	3457.4772765491	3341.38027589308	3218.1609846030665	3219.914602739784	39.913309997825945	151.12060074688525
223	244443	-224421.1413		925237.3170250766	36.59775507504424	-01.59537	277161.11090549585	4386331.83105925	3456.3758898266	3339.819056587833	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
224	244444	-223761.1413		925237.3170250766	36.59777042845166	-01.5930294	277352.161588732	4386327.34005914	3456.724953722222	3338.23415948077	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
225	244445	-223101.1413		925237.3170250766	36.59778573664309	-01.5906888	277553.2102558266	4386323.634319105	3455.0763800133745	3336.6450080133745	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
226	244446	-222441.1413		925237.3170250766	36.59779009961853	-01.5883482	277754.262979456	4386319.534261452	3454.12823377125	3335.053196810226	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
227	244447	-221781.1413		925237.3170250766	36.5978162	-01.5860075	277955.3123241595	4386315.43447623	3453.6868277454	3334.0014898826	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
228	244448	-221121.1413		925237.3170250766	36.59783139	-01.5836669	278156.362132254	4386311.33487163	3452.602356882413	3333.76018537518	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
229	244449	-220461.1413		925237.3170250766	36.5978461424651	-01.581328	278356.7589469616	4386309.544911451	3451.72765491	3332.7912765491	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
230	244450	-219801.1413		925237.3170250766	36.597861599359454	-01.5789856	278558.4610304194	4386303.13260918	3450.7343310512816	3332.7262996071145	3218.6562289191549	3219.914602739784	39.913309997825945	151.12060074688525
231	244451	-219141.1413		925237.3170250766	36.59787663265436	-01.576645	2787							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.ft	SatH.Kgms	SatHBoth.ft
313	24453	-165021.1413	952327.3170250766	39.58985578846159	-101.384701	29524.81914423284	3859863.685205276	326.18056646728426	319.9389827348317	309.591227835451	304.2897800147477	106.2485938938092	105.5519215780451	
314	24454	-164361.1413	952327.3170250766	39.58967072722243	-101.3823394	29545.85059296084	385959.044814222	325.4653961100167	304.7002221924627	304.7791527000913	304.7791527000913	112.8220654237136	112.8220654237136	
315	24455	-163701.1413	952327.3170250766	39.5897319266486	-101.3800287	29566.8519266486	385955.524647131	325.4535482102134	318.7353482102134	307.831262418122	307.831262418122	118.970447827268	118.970447827268	
316	24456	-163041.1413	952327.3170250766	39.5898504391919	-101.377688	29584.91389992744	385941.704433321	325.4545963126042	3196.0815798178979	307.845244669064	307.845244669064	120.2723518745876	120.2723518745876	
317	24457	-162381.1413	952327.3170250766	39.589900652595116	-101.3753473	29604.84950438619	385947.364622865	326.167626	3194.800647013575	307.85236617396246	307.85236617396246	118.9798652739505	118.9798652739505	
318	24458	-161721.1413	952327.3170250766	39.58991175558266	-101.3730066	29624.97060839413	385943.28448358	327.0989751504575	3193.8447996017576	307.862805460993	307.862805460993	117.2162700610357	117.2162700610357	
319	24459	-161061.1413	952327.3170250766	39.58992281335183	-101.3706659	29645.10068537226	385939.260209541	327.325292224774	3192.13525617437	307.873442143115	307.873442143115	115.30723104732193	115.30723104732193	
320	24460	-160401.1413	952327.3170250766	39.58993383	-101.3683252	29665.03743894066	385931.175216729	327.174247826786	3190.754049369044	307.706322569687	307.706322569687	113.69102734910757	113.7033431086893	
321	24461	-159741.1413	952327.3170250766	39.58994776322648	-101.3658485	29685.4725817954	385923.94832912	328.0222024272755	3189.34534617579	307.7393727191856	307.7393727191856	112.193347792268	112.193347792268	
322	24462	-159081.1413	952327.3170250766	39.58995571534887	-101.3636349	29705.040801148724	385926.95672385	330.872159307368	3187.9165697629157	307.7036188239278	307.7036188239278	110.8805038965136	109.7844865793608	
323	24463	-158421.1413	952327.3170250766	39.5899655224431	-101.3613031	29725.1279993254	385922.8013412353	331.8305038364424	3186.478457588485	307.646236911866	307.7500338912147	110.0260868469248	108.7248046027167	
324	24464	-157761.1413	952327.3170250766	39.58997472	-101.3589624	29745.6157782338	385918.813181861	331.896318318634	3185.024948365594	307.7208032436887	307.7208032436887	110.041493987064	110.017596653862	
325	24465	-157101.1413	952327.3170250766	39.5899821037976	-101.3566217	29765.7187786908	385914.735245549	331.966106827283	3184.566802949964	307.653488253263	309.0038014306645	107.21520113969973	107.21520113969973	
326	24466	-156441.1413	952327.3170250766	39.5899895161968	-101.3542089	29785.2167708137	385910.065732291	332.033984922704	3182.114611597982	307.6237536271637	307.6237536271637	108.839273268181	108.839273268181	
327	24467	-155781.1413	952327.3170250766	39.58991096476108	-101.3519402	29805.24569450915	385906.58002408	332.1081098773956	3180.6584715305266	307.7187307161034	307.7187307161034	108.87116438942582	108.87116438942582	
328	24468	-155121.1413	952327.3170250766	39.58991202844392	-101.3495995	29826.2507	385902.02774019	332.1102016572415	3179.203540584905	307.7257397314475	307.7257397314475	108.9481075245761	107.691875038507	
329	24469	-154461.1413	952327.3170250766	39.58991304042816	-101.3472588	29846.13037523717	385898.42573085	332.1748351151263	3177.70906395288	306.8171982198216	306.8171982198216	108.1370871545638	108.0927674580862	
330	24460	-153801.1413	952327.3170250766	39.589914146439379	-101.3449181	29866.1323600824	385894.34809674	329.7354626422656	306.7150187024867	306.7655376237848	309.5876272301989	108.587273201989	108.587273201989	
331	24461	-153141.1413	952327.3170250766	39.589915197954601	-101.3425774	29886.360635521	385890.723205955	332.87832276398	3174.8596259770893	306.4763535148563	306.4084879147344	108.8832724222398	111.4511283027456	
332	24462	-152481.1413	952327.3170250766	39.58991644947435	-101.3402367	29904.3801	385886.195304471	329.68321018268	3173.717066034814	306.329158045456	306.329158045456	110.71758484923	110.71758484923	
333	24463	-151821.1413	952327.3170250766	39.58991728148402	-101.337896	29925.6147095437	385882.119782398	329.87269597816	3171.97660546084	306.179607363372	305.9110212819324	110.2970431807471	112.8596223375028	
334	24464	-151161.1413	952327.3170250766	39.58991523567502	-101.3355552	29946.4468240693	385878.934539297	330.8567896200205	3170.53645905462	305.9465466644	305.9465466644	110.5383041879748	113.1071736100474	
335	24465	-150501.1413	952327.3170250766	39.58991238155759	-101.332745	29967.8345059137	385874.798817491	331.8241422644043	3169.34534617579	304.1029251191103	304.1029251191103	116.3389266612418	115.646924280671	
336	24466	-149841.1413	952327.3170250766	39.58991307700096	-101.3308738	29989.49928892	385869.89260404	332.0057001321195	3167.5571335798	305.5177510148687	305.5177510148687	111.440021389205	113.571160214071	
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340	24460	-147201.1413	952327.3170250766	39.589924481027385	-101.3215109	30067.2705609246	385853.59296116	330.850005	3161.917446517277	304.283209711723	304.283209711723	115.6342380855388	115.9885956595926	
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343	24463	-145221.1413	952327.3170250766	39.589927432449674	-101.3144888	30127.656839124464	385841.703248396	332.036984217538	3157.368493443432	304.2588772794822	304.1288772794822	114.777976	113.5307271549661	
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346	24466	-143241.1413	952327.3170250766	39.589930420502025	-101.3074666	30187.67831014996	385839.15094741	335.4067819676482	3153.3747968455887	304.176923901019	304.3464041504167	111.60556459450964	113.9683534142292	
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348	24468	-141921.1413	952327.3170250766	39.5899328155759	-101.302785	30229.813735568	385831.040252802	334.5148272284043	3150.834923730885	304.1030251191103	304.1030251191103	116.3389266612418	115.646924280671	
349	24469	-141261.1413	952327.3170250766	39.58993351978391	-101.3004444	302481.8386	385829.319760545	335.048131037095	3149.127818383123	303.813022266068	303.44451900441	116.3389266612418	115.646924280671	
350	24470	-140601.1413	952327.3170250766	39.589934157773264	-101.2981037	30268.2633168516	385818.259380536	335.1856003379922	3147.761271997955	303.8105147474999	302.92917030852387	109.7015742529734	117.7950189127175	
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354	24474	-137961.1413	952327.3170250766	39.589938134754021	-101.2887408	30348.9601625769	385805.57028677	332.6277899562504	3142.26923983396	303.79057855516	301.918725454867	110.9263454282376	122.5503655285284	
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356	24476	-136641.1413	952327.3170250766	39.58994016211923	-101.2840593	30389.0704304428	385789.43	332.3499474530614	3139.43269688876	302.97579641078	301.7113739690048	111.46744021780978	116.6831646286183	
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358	24478	-135321.1413	952327.3170250766	39.589941879580171	-101.2793778	304291.053903076	385780.2843214	332.4035445687923	3136.74927336282	302.429155407				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtBoth.f
439	246659	-81861.14133	92327.3170250766	39.600021454712786	-01.0897768	32057.311752162	4385451.3106524795	43840423454675994	379.4736609993517	2942.4275015715457	2938.0144555765395	2937.0200942780597	101.7331052429675	
440	246660	-81201.14133	92327.3170250766	39.60002704059119	-01.0874361	32074.3119	4385447.258314327	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	99.06123021	
441	246661	-80841.14133	92327.3170250766	39.60004821604766	-01.0868053	32095.3278	4385438.298198308	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	98.118191569646	
442	246662	-79881.14133	92327.3170250766	39.6000387769802	-01.0827455	32106.3337627002	4385439.153058988	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	97.0274262473348	
443	246663	-78521.14133	92327.3170250766	39.600034328250914	-01.0804137	32137.33432211515	4385433.102634596	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	96.46380567145229	
444	246664	-78261.14133	92327.3170250766	39.60004833533395	-01.078073	32157.3506646115	4385431.0518385	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	95.9584906175479	
445	246665	-77901.14133	92327.3170250766	39.6000542369557	-01.0757322	32179.357927035	4385426.99985237	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	95.3380945339369	
446	246666	-77241.14133	92327.3170250766	39.6000596058731	-01.0733914	32198.36031395056	4385418.988170273	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	94.9648196	
447	246667	-76581.14133	92327.3170250766	39.600064876258684	-01.0710567	32218.371827485	4385416.898170273	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	94.63831420835678	
448	246668	-75921.14133	92327.3170250766	39.60007010270963	-01.0687709	32239.378677242	4385414.84765073	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	94.31560743799287	
449	246669	-75261.14133	92327.3170250766	39.60007528194015	-01.0663961	32258.3852349944	4385412.70750313	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	93.81231065197107	
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451	246671	-73941.14133	92327.3170250766	39.60008550473993	-01.0616876	32298.3978513271	4385400.27598894	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	93.0281502	
452	246672	-73281.14133	92327.3170250766	39.60009054830914	-01.0593468	32318.4039000022	4385394.64782529	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	92.580606766973	
453	246673	-72621.14133	92327.3170250766	39.60009564657928	-01.0570708	32338.4097709309	4385383.394	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	92.134261536369	
454	246674	-71961.14133	92327.3170250766	39.60010049978623	-01.0548602	32358.4115	4385373.548006785	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	91.73352504	
455	246675	-71301.14133	92327.3170250766	39.60010540768405	-01.0523245	32378.4210168393	4385363.49900195	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	91.2722582758587	
456	246676	-70641.14133	92327.3170250766	39.6001102703817	-01.0499837	32398.4257389756	4385352.451	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	90.75748736462	
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458	246678	-69321.14133	92327.3170250766	39.60011986	-01.0453201	32439.43688844	4385334.35421211	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	89.752282629935	
459	246679	-68661.14133	92327.3170250766	39.60012458712275	-01.0429613	32459.441537356	4385323.30691357	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	89.25094762934	
460	246680	-68001.14133	92327.3170250766	39.6001292682085	-01.0406206	32479.44462151037	4385312.36194585	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	88.726172766876	
461	246681	-67341.14133	92327.3170250766	39.6001340004236	-01.038379	32499.4509221434	4385302.1694124	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	88.2036315843747	
462	246682	-66681.14133	92327.3170250766	39.6001384965707	-01.035359	32519.45509151616	4385293.16306897	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	87.687237129483	
463	246683	-66021.14133	92327.3170250766	39.60014304302067	-01.0335982	32539.4592255325	4385284.11839365	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	87.1706800127908	
464	246684	-65361.14133	92327.3170250766	39.60014754394378	-01.0312575	32559.4632275334	4385275.08826694	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	86.6499100867436	
465	246685	-64701.14133	92327.3170250766	39.6001519996434	-01.0289167	32579.4674088613	4385266.10203988	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	86.1320517559632	
466	246686	-64041.14133	92327.3170250766	39.60015641012829	-01.026579	32600.4707457573	4385257.18747424	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	85.612373725232	
467	246687	-63381.14133	92327.3170250766	39.60016109753878	-01.024225	32621.479157482	4385248.329131466	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	85.092371765841	
468	246688	-62721.14133	92327.3170250766	39.6001657393047	-01.0219483	32642.477149418	4385239.58310363	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	84.5716920570949	
469	246689	-62061.14133	92327.3170250766	39.60016937	-01.0195358	32663.48066521414	4385230.831	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	84.04901676805	
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472	246692	-60081.14133	92327.3170250766	39.6001819338758	-01.0125312	32726.4861048317	4385208.77073475	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	82.476222904	
473	246693	-59421.14133	92327.3170250766	39.60018601725308	-01.0101904	32747.4891581621	4385200.365573178	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	81.945867732532	
474	246694	-58761.14133	92327.3170250766	39.6001901004236	-01.0078496	32768.493925434	4385191.6194124	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	81.42417189110496	
475	246695	-58101.14133	92327.3170250766	39.60019407	-01.0055089	32789.4960318062	4385182.74088615	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	80.90150764713771	
476	246696	-57441.14133	92327.3170250766	39.60019802817455	-01.0031681	32810.490056159	4385173.52206528	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	80.3721369371007	
477	246697	-56781.14133	92327.3170250766	39.6002021908696	-01.0008273	32831.4968121805	4385164.345413849	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	79.845324804517	
478	246698	-56121.14133	92327.3170250766	39.6002058070409	-00.9984865	32851.451470256	4385155.293434	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	79.3179662160813	
479	246699	-55461.14133	92327.3170250766	39.60020963131785	-00.9961457	32871.5029438996	4385146.390317977	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	78.79250354636	
480	246700	-54801.14133	92327.3170250766	39.60021308710914	-00.9938105	32891.5504304473	4385137.260858732	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	78.2650794733349	
481	246701	-54141.14133	92327.3170250766	39.60021720875968	-00.9914716	32911.598204236	4385128.34581278	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	77.73471669811506	
482	246702	-53481.14133	92327.3170250766	39.6002214073847	-00.9891234	32931.6508343992	4385119.27600559	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	77.2036382353	
483	246703	-52821.14133	92327.3170250766	39.60022546665955	-00.9867826	32951.67075090544	4385110.718192	43840423454675994	303.2671133855794	2941.8840539594543	2939.20701827594	2936.9607187912501	76.673306803191	
484	246704	-52161.14133	92327.3170250766	39.60022866076205	-00.9844418	32971.67075090544	4385101.7532497	43840423454675994						

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREVElevKgr.ft	BREVElevKgr.ft	BREVElevKgr.ft	SatThvBoth.ft	SatThvBoth.ft
55	244785	1298.858673033514	92327.3170250766	39.60036920493751	-100.7948378	458989.0228811407	4384942.462585107	2948.7427106901505	2811.562969232549	2805.430184308905	2803.963943789586	6.31274923644067	8.16557483590646	
556	244786	1958.858673033514	92327.3170250766	39.6003690333357	-100.782497	3461010.6	4394938.48	2955.82592596144	2805.447196958044	2805.447196958044	2802.801948218458	5.206392904247878	7.846251770819435	
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572	244792	5918.858673033514	92327.3170250766	39.60036747406901	-100.7784522	347305.392532036	4384914.296310994	2956.170871552503	2806.00947414168	2786.598740378654	1.84027034231964	20.1402143231964	20.1402143231964	
573	244793	6578.858673033514	92327.3170250766	39.60036706	-100.778114	347696.9268413355	4384910.273441273	2956.4259864819	2805.3984327607003	2785.543086547564	1.943780173143396	20.35417720361622	20.35417720361622	
574	244794	7238.858673033514	92327.3170250766	39.60036657254222	-100.773707	347707.912693258	4384906.25079343	2957.9148291131	2804.814501	2785.145307730284	1.95696351703302	19.74594541670594	19.74594541670594	
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586	244806	15158.858673033514	92327.3170250766	39.60035736484688	-100.7458911	350119.739504687	4384867.99625477	2943.401	2800.173368787528	2767.511069756193	0.65269924527544	32.4642175058577	32.4642175058577	
587	244807	15818.858673033514	92327.3170250766	39.60034989493815	-100.7437291	350356.95860483	4384874.984928	2942.58436978528	2799.8368979728	2764.53878978528	0.5426816989891	34.72145826904	34.72145826904	
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589	244809	17138.858673033514	92327.3170250766	39.60034554454951	-100.7386588	350722.693545119	4384845.93775334	2946.97134675862184	2799.3194675862184	2760.785884763896	0.36410917557666	39.24605890818955	39.24605890818955	
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591	244811	18458.858673033514	92327.3170250766	39.600351604134	-100.7339772	351124.6619168416	4384837.89967639	2948.779682636943	2757.4722137329063	2757.4722137329063	0.19740451789792	41.30746453078796	41.30746453078796	
592	244812	19118.858673033514	92327.3170250766	39.6003519036398	-100.7316364	351325.6465268837	4384833.88098548	2948.951736488934	2758.071769291733	2756.97735978464	0.1254051543275244	42.9027445501038	42.9027445501038	
593	244813	19778.858673033514	92327.3170250766	39.6003482313985	-100.7292586	351526.958690483	4384829.38467277	2948.70584688113	2758.22178112654	2756.4477682817035	0.05456849691826	43.4568498981628	43.4568498981628	
594	244814	20438.858673033514	92327.3170250766	39.60034706870214	-100.7269548	351716.8342379	4384825.84329677	2948.453296330487	2757.491453296927	2754.10056854071	0.005685403941	44.95685403941	44.95685403941	
595	244815	21098.858673033514	92327.3170250766	39.60034618568692	-100.724614	351928.5968404585	4384821.826207179	2948.307151403128	2757.652191008242	2751.55556485478	0.0469587088885	45.450962631545054	45.450962631545054	
596	244816	21758.858673033514	92327.3170250766	39.60034471456544	-100.7222732	352129.5802	4384817.804818331	2947.24935207168	2757.360060611587	2750.0234840820117	0.03367562	51.35522538029365	51.35522538029365	
597	244817	22418.858673033514	92327.3170250766	39.60034230400232	-100.7199324	352330.5634442535	4384813.790852702	2938.191439672543	2757.00033545432	2748.494375	0.0469587088885	50.6558505776316	50.6558505776316	
598	244818	23078.858673033514	92327.3170250766	39.60034165271134	-100.7175916	352531.546633085	4384809.73750291	2934.136781721204	2756.74032499993	2746.5719340070235	0.0469587088885	51.487243841872	51.487243841872	
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601	244821	25058.858673033514	92327.3170250766	39.600336697975976	-100.7105963	353134.494070594	4384797.72675748	2924.7173743320153	2753.689233987475	2738.2884578310063	0.0172145826904	55.740755671247	55.740755671247	
602	244822	25718.858673033514	92327.3170250766	39.6003456841707	-100.7082285	353335.4774682194	4384793.70621305	2920.93642	2755.280218555066	2735.1894504554	0.03769024311264	60.0907351152584	60.0907351152584	
603	244823	26378.858673033514	92327.3170250766	39.60033173637225	-100.7058877	353536.45984811237	4384790.690077994	2914.514521633487	2754.83328498443	2732.067309119519	0.0172145826904	63.6413252996087	63.6413252996087	
604	244824	27038.858673033514	92327.3170250766	39.60033134363467	-100.7035469	353737.4024086894	4384785.674055213	2916.186813629042	2754.373293165	2728.998455133397	0.0172145826904	65.7973921087116	65.7973921087116	
605	244825	27698.858673033514	92327.3170250766	39.600329368481478	-100.7012061	353938.424184753	4384781.65	2895.2808434185343	2753.7808017634998	2726.1496284959308	0.0172145826904	67.7323765901	67.7323765901	
606	244826	28358.858673033514	92327.3170250766	39.6003274974717	-100.6988633	354139.4614192036	4384777.64267197	2885.550035461924	2753.74635949483	2724.0153420874	0.0172145826904	69.4450293	69.4450293	
607	244827	29018.858673033514	92327.3170250766	39.6003263683654	-100.6964972	354349.727812148	4384773.621312148	2884.7214534115313	2753.68919162824	2723.0506791638214	0.0172145826904	71.43236818047	71.43236818047	
608	244828	29678.858673033514	92327.3170250766	39.60032571424234	-100.6941837	354541.36963457	4384769.61171185	2873.2359138309635	2753.1925502098603	2719.1925502098603	0.0172145826904	73.73766141	73.73766141	
609	244829	30338.858673033514	92327.3170250766	39.60032152	-100.6918429	354742.3517112438	4384765.597251909	2868.2401379383564	2750.580290115718	2716.947448947373	0.0172145826904	74.64064028	74.6406402	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevLogsKrg.ft	SatHtLogs.ft	SatHtBoth.ft
691	304	224911	84458.85867307335	902327.3170250766	39.59999902848066	-100.4998988	37122.3802991995	4384437.124004844	2764.2484105957259	2618.2299999959259	2618.3666230647195	28.11660031584279	27.979740283282394
692	304	224912	84458.85867307335	902327.3170250766	39.59999321906226	-100.4975811	371423.3506552728	4384433.127371187	2764.9983494445164	2645.5720313983251	2616.0530366193077	26.180291888354	25.917981221
693	304	224913	84458.85867307335	902327.3170250766	39.59999615456464	-100.4982178	371624.3219581328	4384432.1308674459	2764.7482438831174	2644.7642915484973	2613.3443351542917	31.3443351542917	31.29328981841004
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701	304	224921	84458.85867307335	902327.3170250766	39.5999389	-100.4764912	373032.0808081076	4384407.167564023	2751.326517665229	2635.76155512699	2588.689304825673	28.88435494	47.11235168743176
702	304	224922	84458.85867307335	902327.3170250766	39.5999263775532	-100.4741504	373433.0503953255	4384393.173129256	2746.323397966265	2742.474864979777	2585.0135147554234	25.84720943493346	49.26097174255428
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710	304	224930	84458.85867307335	902327.3170250766	39.59988091687632	-100.4554243	375040.8013211824	4384361.22564533	2744.082483310606	2621.08426330674	2554.7744054163054	66.31042115839756	66.0499096081614
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716	304	224936	84458.85867307335	902327.3170250766	39.59984026963586	-100.4413797	376246.6096	4384337.271419641	2753.18488910087	2611.5114963832	2555.203141908314	70.9804504900076	70.9804504900076
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720	304	224940	84458.85867307335	902327.3170250766	39.59981075411734	-100.4320167	377050.473974001	4384309.210068759	2756.76510907234	2605.408113732216	2563.913262097273	74.86249118271622	74.86249118271622
721	304	224941	84458.85867307335	902327.3170250766	39.599805051575634	-100.4296759	377251.44652344636	4384317.30265567	2746.37022180057	2603.887248890749	2564.296123302145	75.312349846343	75.312349846343
722	304	224942	84458.85867307335	902327.3170250766	39.5997790913511	-100.4273352	377452.4135545426	4384309.318589491	2747.1725341110517	2602.362249	2565.05351832966	76.30969960413565	76.30969960413565
723	304	224943	84458.85867307335	902327.3170250766	39.59977068789394	-100.4249944	377653.3804692023	4384309.34075687	2746.32335525474	2600.830463283635	2565.29083091177	76.5396328924053	76.5396328924053
724	304	224944	84458.85867307335	902327.3170250766	39.5997384143299	-100.4226537	377854.3476273232	4384303.351165442	2723.821937318843	2599.287626177393	2564.00499848963	76.8457261324032	76.8457261324032
725	304	224945	84458.85867307335	902327.3170250766	39.59971673975214	-100.4203129	378055.3139452113	4384301.361784855	2719.0547541089747	2597.714874635144	2562.546874	76.93422515431764	76.93422515431764
726	304	224946	84458.85867307335	902327.3170250766	39.59970876285145	-100.417722	378256.2895150776	4384299.368489035	2718.924858132954	2596.16011876876	2561.03434982564	77.16732984639058	77.16732984639058
727	304	224947	84458.85867307335	902327.3170250766	39.599701400730884	-100.4156214	378457.2465951224	4384299.383981952	2718.924858132954	2597.714874635144	2562.546874	77.16732984639058	77.16732984639058
728	304	224948	84458.85867307335	902327.3170250766	39.5997336339051	-100.4132907	378658.2132995544	4384299.395	2695.24929687238	2592.969095617884	2557.161251452327	77.8478978	77.8478978
729	304	224949	84458.85867307335	902327.3170250766	39.5997464808303	-100.4109499	378859.179518571	4384295.406457689	2693.5581951946896	2691.3495749593353	2555.01922848955	78.3303451102082	78.3303451102082
730	304	224950	84458.85867307335	902327.3170250766	39.599738053037	-100.4080691	379060.1456223968	4384281.841714049	2691.867035652417	2691.719260476948	2552.4874911084003	78.72243494	78.72243494
731	304	224951	84458.85867307335	902327.3170250766	39.59973138050635	-100.4062684	379261.1161121517	4384277.934011791	2690.616920337527	2588.056748974662	2549.241883426991	78.8428260667085	78.8428260667085
732	304	224952	84458.85867307335	902327.3170250766	39.59972318131136	-100.4038276	379462.0774852536	4384277.442268208	2688.807675627137	2586.3836857892413	2546.4937217196184	79.047543264	79.047543264
733	304	224953	84458.85867307335	902327.3170250766	39.59971673975214	-100.4014722	379658.2895150776	4384277.442268208	2688.807675627137	2586.3836857892413	2546.4937217196184	79.047543264	79.047543264
734	304	224954	84458.85867307335	902327.3170250766	39.59970876285145	-100.399261	379864.0098	4384265.467239719	2688.807675627137	2586.3836857892413	2546.4937217196184	79.047543264	79.047543264
735	304	224955	84458.85867307335	902327.3170250766	39.5997336339051	-100.3969054	380064.974206572	4384261.48009499	2686.19372761867	2581.2735149134633	2531.487477728676	79.4847664604573	79.4847664604573
736	304	224956	84458.85867307335	902327.3170250766	39.5996926375575	-100.3945466	380265.938375808	4384259.438040949	2683.0256355129204	2579.545406795368	2525.8964781322957	79.5500524724297	79.5500524724297
737	304	224957	84458.85867307335	902327.3170250766	39.5996849242395	-100.3922239	380466.965407399	4384259.50634529	2679.84838184835	2577.805738814833	2525.075241132687	79.7484978	79.7

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
75	305	225037	-320781.1413	9903037.3170250766	39.596841102419354	-101.9371176	247799.3942696523	43871.34235926039	732.242827811253	3545.035386070152	3457.0300419574705	3457.8586235948756	46.915344112681396	46.086762527637
76	305	225038	-320721.1413	9903037.3170250766	39.59683057653326	-101.9347771	24800.47800718097	43871.3010241703	737.1303947370057	3456.4965080617653	3452.1551832915382	3452.8332678	50.3413261140708	46.963329129197314
77	305	225039	-319461.1413	9903037.3170250766	39.5968469749843	-101.9324366	24801.56330544004	43871.26369129497	738.4340445843045	3457.0343412879263	3447.5710369429943	3448.158257	57.103694	52.88815371434298
80	305	225040	-318801.1413	9903037.3170250766	39.59690832215524	-101.9300061	24802.6474596784	43871.213606062	736.157177004359	3459.56728544117	3443.453595	3451.877368387364	56.1777004359	55.7149574857033
81	305	225041	-318141.1413	9903037.3170250766	39.59692681723665	-101.9277556	24803.7313651013	43871.173022113	7373.8669111319775	3458.12698833204	3439.696576183059	3440.157376277572	58.430421146325125	57.969252051811964
82	305	225042	-317481.1413	9903037.3170250766	39.59690562041979	-101.9254151	24804.8150219148	43871.13706221955	737.15874542049	3459.6646661412283	3437.158874	3437.545726984275	58.50452417725234	59.0289314521772524
83	305	225043	-316821.1413	9903037.3170250766	39.59692715510381	-101.9230745	24905.89843032445	43871.09432873793	7345.1192679594373	3455.1993561848194	3435.708983027038	3436.017096420294	58.59135715781505	59.48456485897
84	305	225044	-316161.1413	9903037.3170250766	39.5969394	-101.920734	24902.8615905374	43871.0530677849	732.4841817447551	3453.728436473836	3435.544625442394	3436.204400404996	57.79403799466472	57.5240332687414
85	305	225045	-315501.1413	9903037.3170250766	39.597015476721745	-101.9183638	24904.0646027599	43871.0117444218	737.83099489356274	3452.251944559463	3435.125073302584	3435.405309404833	57.12689625358414	57.848014507314876
86	305	225046	-314841.1413	9903037.3170250766	39.59707307106302	-101.916053	24909.14767118965	43870.97042435031	735.154008242704	3450.70163976123	3434.5529488904362	3434.8612753053244	56.1872117176118	55.94834869789634
87	305	225047	-314181.1413	9903037.3170250766	39.5970586193186	-101.9137125	24908.122584507164	43870.9210505004	734.8700343042763	3453.83425495856	3434.6312030301463	3434.82414035995	54.6522039434960	54.421911236630845
88	305	225048	-313521.1413	9903037.3170250766	39.59708012324138	-101.9113719	25001.13175344527	43870.887999123	732.7712587929001	3457.7917592316517	3434.9800839639587	3435.195734	52.81166032282996	52.59620536773713
89	305	225049	-312861.1413	9903037.3170250766	39.59710158015207	-101.9090314	25012.3967586588	43870.734455486775	730.73045456284704	3456.2955136427874	3435.4541674593337	3435.874641643028	50.8046614745175	50.824618484666
90	305	225050	-312201.1413	9903037.3170250766	39.59712299	-101.9060699	25014.37551722745	43870.6517848784	728.67950293112	3454.794523047817	3435.622595274817	3435.725099922247	49.17126376	49.0593120255876
91	305	225051	-311541.1413	9903037.3170250766	39.5971480013634	-101.9043054	25016.45757196313	43870.7637264812	726.78848413388	3452.78425324242	3435.1640449747754	3435.1035725926385	48.1238035194871	48.1672052005866
92	305	225052	-310881.1413	9903037.3170250766	39.597165622309814	-101.902008	25018.53796118983	43870.72257	725.000688051824	3451.77453913148	3433.439074988936	3433.39042737048	48.33546112671372	48.38396384399076
93	305	225053	-310221.1413	9903037.3170250766	39.59718696	-101.8996693	251016.7189761655	43870.76612791293	723.2253279965275	3450.26138389953	3430.186151728475	3430.05926221003	50.0698765	50.16333167648186
94	305	225054	-309561.1413	9903037.3170250766	39.5972081019127	-101.8973288	25121.7995872014	43870.7639662904	721.4435759827826	3457.7325302700583	3425.763155527002	3425.677447749927	52.6993743455605	53.035072190133636
95	305	225055	-308901.1413	9903037.3170250766	39.5972293775555	-101.8948982	25141.8800308571	43870.85976179063	719.615312265468	3457.20112091291	3420.7192026800543	3420.54136515066	56.4824093823696	56.5697694078487
96	305	225056	-308241.1413	9903037.3170250766	39.59725051878425	-101.8926477	25169.9602287864	43870.7357720125	717.853445006127	3457.6627878481154	3415.372671591365	3415.836841615064	52.3391268897875	52.63220303
97	305	225057	-307581.1413	9903037.3170250766	39.5972716189903	-101.8903072	251821.404017681	43870.55106846171	716.0535777486575	3474.120112012757	3410.5085599327005	3409.73761488756	63.6156113856658	64.38249718370116
98	305	225058	-306921.1413	9903037.3170250766	39.59722655869807	-101.8879666	25202.11968831262	43870.704774971798	714.2540740093204	3472.56567803894	3406.000234	3405.127669213376	65.448382979401	65.4784297289287
99	305	225059	-306261.1413	9903037.3170250766	39.5972592767916	-101.885119	25249.6769869696	43870.62597839214	712.222226903442	3451.82195265322	3404.9252717519	3404.9252717519	63.6156113856658	63.6156113856658
100	305	225060	-305601.1413	9903037.3170250766	39.5973343004548	-101.883256	25242.7856742137	43870.3921231454	710.940652296877	3469.498113631916	3396.914342416867	3395.75100322574	70.5846902	73.75371133093425
101	305	225061	-304941.1413	9903037.3170250766	39.59735355447018	-101.880945	252625.3575383007	43870.3039300071	707.364626580347	3467.96736454861	3396.0276865210473	3392.184932	71.5948964	75.7829732337107
102	305	225062	-304281.1413	9903037.3170250766	39.59737641735094	-101.8786045	25286.4362676186	43870.3065960038	707.7619585534	3466.42554413142	3393.582959295783	3388.7386154372725	72.8599511	77.703398758928
103	305	225063	-303621.1413	9903037.3170250766	39.597397242184776	-101.8762639	253027.5147514907	43870.3067806744	705.9659489524437	3454.928498788033	3391.443514035374	3385.809816500397	79.1161327786636	79.1161327786636
104	305	225064	-302961.1413	9903037.3170250766	39.59741802180569	-101.8739234	253228.5929909823	43870.27211074478	704.023023664471	3453.4184806716207	3389.178004170453	3389.162306060995	73.70078025457542	80.78051001062568
105	305	225065	-302301.1413	9903037.3170250766	39.5974378256713634	-101.8716238	25349.678969696	43870.25297680894	702.622226903442	3451.82195265322	3394.9252717519	3394.9252717519	81.6378601980634	81.6378601980634
106	305	225066	-301641.1413	9903037.3170250766	39.59746923354018	-101.8692423	253630.7487377387	43870.1445537048	700.00845943632	3460.43874963046	3396.51487609793	3377.846215106443	82.81637406967037	82.81637406967037
107	305	225067	-300981.1413	9903037.3170250766	39.597480089390416	-101.8669018	253831.8262473137	43870.1032819429	698.29742395316	3458.935033495006	3385.139471369177	3374.682037325279	83.0203198032353	84.283296
108	305	225068	-300321.1413	9903037.3170250766	39.59750068815919	-101.8645612	254032.3951267558	43870.0621795958	696.6880557849	3457.505575717201	3383.73609662519	3373.114997039316	83.7694709368164	84.93057862
109	305	225069	-299661.1413	9903037.3170250766	39.59752124	-101.8622207	254233.9805349772	43870.052724963	696.0719937162184	3456.06451917287	3382.577312456034	3372.81800442132	73.48719946126487	83.2537049
110	305	225070	-299001.1413	9903037.3170250766	39.59754175005728	-101.8598901	254435.0573144433	43869.97119376515	693.47119376515	3454.642321324957	3381.33110448589	3370.909195	83.731664953563	83.731664953563
111	305	225071	-298341.1413	9903037.3170250766	39.597560322136514	-101.8575398	254638.1338517277	43869.932230347	691.889623581247	3453.241036719545	3380.162127499805	3369.78167905028	84.5778429729528	84.5778429729528
112	305	225072	-297681.1413	9903037.3170250766	39.59757925717571	-101.855119	254837.101453904	43869.896707024	690.32226907024	3451.82195265322	3379.9431324652	3378.9431324652	85.757512249102	85.757512249102
113	305	225073	-297021.1413	9903037.3170250766	39.59760305011958	-101.8528584	255036.2867198444	43869.8551335033	689.57839921508	3450.580155	3377.788759	3365.160383645684	72.7222768	72.7222768
114	305	225074	-296361.1413	9903037.3170250766	39.59762333129456	-101.8505179	255239.362008079	43869.8414592744	687.21496326937	3449.1709804089	3376.292114	3360.77486073352	72.899564063895	84.20402681
115	305	225075	-295701.1413	9903037.3170250766	39.5976436175051	-101.8481773	255440.4375744427	43869.812731	685.85860823397	3447.8759603860176	3375.206458064083	3360.67543737856	72.8995638	87.2005661661919
116	305	225076	-295041.1413	9903037.3170250766	39.59766385063313	-101.8458368	255641.5120032424	43869.731976864	684.6875924316128	3446.598079611613	3374.215944839233	3362.451579	72.38262679790839	84.1122913133112
117	305	225077	-294381.1413	9903037.3170250766	39.59768404	-101.8434962	255842.58808856475	43869.6910104089	683.951909739885	3445.347071609283	3373.025879310182	3362.93684934067	72.3026952801082	80.411227621587
118	305	225078	-293721.1413	9903037.3170250766	39.5977041891279	-101.8411556	256034.660327636	43869.6436529918	683.3502434481573	3444.719085758957	3371.494624671207	3360.49481594573	72.6223224117967	77.62456697943484
119	305	225079	-293061.1413	9903037.3170250766	39.5977239819768	-101.838819	256239.738528113	43869.603429306	682.738528113	3443.53851876504	3370.79875389017	3360.79875389017	81.6378601980634	81.6378601980634
120	305	225080	-292401.1413	9903037.3170250766	39.5977443675853	-101.836475	256445.8118984241	43869.5696	681.9751147035163	3442.718261634	3369.7974026501	3360.0731113576	74.92971395103268	81.65450910257625
121	305	225081	-291741.1413	9903037.3170250766	39.59776345775344	-101.8341339	256646.8860203167	43869.52743601	680.76845847					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	BrElevKgr.f	BrElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
203	205	225163	-237621.1413	9903037.3170250766	39.599251393949004	-01.6422034	273134.16520188656	4386615.184	3469.3283548989573	336.0811233627524	320.646633472971	328.9449940232416	139.13612933951072
204	205	225164	-236961.1413	9903037.3170250766	39.59926762500853	-01.6398627	273327.32015701682	4386611.078800325	3467.704204819538	336.0310655004744	322.8198105205407	327.4203493514448	139.0122546604768
205	205	225165	-236301.1413	9903037.3170250766	39.59928380030036	-01.637822	273456.27425197123	4386605.92801396	3467.525021490778	335.9257220632981	322.583235105812	327.464245375053735	141.97865275453735
206	205	225166	-235641.1413	9903037.3170250766	39.599300302717935	-01.6358182	273733.32015716716	4386610.986914677	3464.590457190398	336.0426917949175	322.6791450668033	327.3117906956983	137.92700822542204
207	205	225167	-234981.1413	9903037.3170250766	39.599316155207774	-01.6328407	273938.3833563121	4386608.76461665	3464.058909140618	336.024606044744	322.8491283355084	329.1626444917427	137.95129232688896
208	205	225168	-234321.1413	9903037.3170250766	39.5993323248093	-01.6305	274139.3437378141	4386594.660310142	3464.555011960763	336.1458712056823	322.319520201872	327.917503921513	143.547118310363
209	205	225169	-233661.1413	9903037.3170250766	39.599348265437454	-01.6281594	274340.4910988384	4386600.55228421	3465.07209471777	336.0540690401777	322.1587429194363	325.43260329881456	144.61751140511433
210	205	225170	-233001.1413	9903037.3170250766	39.599364251377274	-01.6258187	274541.5444633703	4386586.452307078	3465.864787626557	335.830143170652	322.9390417367676	327.3197979523024	138.684013438428
211	205	225171	-232341.1413	9903037.3170250766	39.59938018900306	-01.623478	274742.597485586	4386582.943799878	3464.2805427612377	335.7794448899972	321.833858535615	322.40141814378989	138.966782952372
212	205	225172	-231681.1413	9903037.3170250766	39.59939604905724	-01.6211374	274943.65110451564	4386578.24532716	3464.270650374557	335.71246334369	322.6409314009183	327.7832556319	139.312104427178
213	205	225173	-231021.1413	9903037.3170250766	39.59941194059627	-01.6187967	275144.70391285005	4386574.12411879	3458.124777836745	335.62505537215857	324.54009798805	328.3176387027	139.7104557627776
214	205	225174	-230361.1413	9903037.3170250766	39.59942774656096	-01.616456	275345.7565269596	4386570.39180562	3455.041856398944	335.76675880801	322.6873964680517	324.079174127445	149.70587071834643
215	205	225175	-229701.1413	9903037.3170250766	39.599434503732487	-01.6141153	275546.80899181217	4386565.93643305	3453.548166179547	335.21270427068283	321.770652416043	320.4998196522405	149.771372828041
216	205	225176	-229041.1413	9903037.3170250766	39.5994592286389	-01.6117747	275747.8611996409	4386561.83302056	3453.64390180639	335.7341995163392	320.8183091426295	320.8072546138466	149.6849490370977
217	205	225177	-228381.1413	9903037.3170250766	39.59947489316598	-01.609434	275948.9138196868	4386557.371612525	3448.245693	335.6269633196241	319.7807482184314	321.2830016599032	149.65479094271883
218	205	225178	-227721.1413	9903037.3170250766	39.59949901829113	-01.607093	276149.9649319574	4386553.629678375	3453.8343810585	334.720336837625	320.49255637217903	319.5106540388224	151.40916808252
219	205	225179	-227061.1413	9903037.3170250766	39.59952060817931	-01.6047428	276351.01649806195	4386549.527759055	3445.765768811704	334.5185672008373	320.504448130948	319.5465004950789	142.113228742533
220	205	225180	-226401.1413	9903037.3170250766	39.59952163285048	-01.6024119	276552.2067520004	4386545.481187455	3449.365307483767	334.614581418266	320.1458790615827	319.3919994908248	150.7852090824383
221	205	225181	-225741.1413	9903037.3170250766	39.59953712230465	-01.6000713	276753.1188311815	4386541.34276055	3446.850282825056	334.208729769923	319.9632004683906	319.7271823937	142.762750893223
222	205	225182	-225081.1413	9903037.3170250766	39.599553666541725	-01.5977306	276954.1968174094	4386537.223557421	3443.04759952173	333.521231438691	319.736376	319.9234121869303	141.85196945977606
223	205	225183	-224421.1413	9903037.3170250766	39.59956976556173	-01.5953899	277155.22048049	4386533.1226128049	3441.1420934745437	333.9595887780724	319.5640932380953	319.919670662434	147.0034181374847
224	205	225184	-223761.1413	9903037.3170250766	39.59958319354642	-01.5930492	277356.2709	4386529.01290303	3438.16381104637	333.7348927456736	319.5794567566385	319.7047943274133	143.4054641500974
225	205	225185	-223101.1413	9903037.3170250766	39.59960096903036	-01.5907768	277561.3211971504	4386520.383969498	3436.1283689447846	333.562747343871846	319.5718688117346	319.6237679730175	138.6217572470383
226	205	225186	-222441.1413	9903037.3170250766	39.59961389131891	-01.5883768	277758.371168355	4386520.821123329	3432.207244857926	332.21214244747926	319.27832514892402	319.5825919256638	141.653043585524
227	205	225187	-221781.1413	9903037.3170250766	39.599629149070264	-01.5860272	277959.4205945895	4386516.721074877	3429.882470107519	332.62706495903	319.4043229320037	319.471893991721	138.6260353889906
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229	205	225189	-220461.1413	9903037.3170250766	39.59965961012121	-01.5813458	278361.5198852883	4386508.34291936	3426.5399482941936	330.8749695997893	319.580485776957	319.62891022110254	128.850876622654
230	205	225190	-219801.1413	9903037.3170250766	39.599674492620785	-01.5790051	278562.56920922026	4386504.42273752	3424.8866786224307	332.7192373088429	320.982938552791	320.02160148173884	126.9293889272108
231	205	225191	-219141.1413	9903037.3170250766	39.59969037910145	-01.5760726	278763.6179389698	4386500.523121127	3428.413782539057	332.16219530498306	319.716407973515	319.6237679730175	138.6217572470383
232	205	225192	-218481.1413	9903037.3170250766	39.59970542196785	-01.5734327	278962.34119063	4386498.221770489	3426.52172704897	331.4581681871264	319.4550736982685	319.4550736982685	138.6217572470383
233	205	225193	-217821.1413	9903037.3170250766	39.59971968815344	-01.571983	279165.1751212726	4386492.12548176	3425.68325678977	332.343318277081	319.014736812961	319.52675103902674	138.325814647199
234	205	225194	-217161.1413	9903037.3170250766	39.599734370445425	-01.5696423	279366.7633655885	4386488.07007058	3424.343388279204	331.8796132279204	318.9256058399536	318.944960740976	132.355169640976
235	205	225195	-216501.1413	9903037.3170250766	39.59974922685006	-01.5673016	279567.814347687	4386483.92875108	3422.064863996554	331.454555943137	318.9565887002826	319.0879048382644	130.205701048728
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237	205	225197	-215181.1413	9903037.3170250766	39.59977880403005	-01.5626202	279968.9058079863	4386475.732098275	3426.830310489247	331.6259840298458	318.6259840298458	318.6259840298458	134.7627169
238	205	225198	-214521.1413	9903037.3170250766	39.59979370191045	-01.5602786	280170.9542790367	4386471.63525102	3428.413782539057	332.16219530498306	319.716407973515	319.6237679730175	138.6217572470383
239	205	225199	-213861.1413	9903037.3170250766	39.5998082033364	-01.5579388	280378.76416108485	4386467.37963205	3421.1044712099328	331.4784825995938	317.7843913866271	317.7843913866271	137.013871206537
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242	205	225202	-211881.1413	9903037.3170250766	39.5998519565579	-01.5509167	280975.147115221	4386455.24225411	3428.893903964488	331.0509716292195	317.4230570131132	317.4230570131132	137.013871206537
243	205	225203	-211221.1413	9903037.3170250766	39.59986646032787	-01.548576	281176.18803056737	4386451.75070254	3426.53596634214	330.992522132216	317.6194874720634	317.6194874720634	137.013871206537
244	205	225204	-210561.1413	9903037.3170250766	39.59988089762308	-01.5462353	281377.234139584	4386447.054518992	3424.6704745748975	330.817175148975	317.5797914440617	317.5797914440617	137.013871206537
245	205	225205	-209901.1413	9903037.3170250766	39.59989530450205	-01.5441539	281579.3257971596	4386438.86270058	3421.2990330268058	330.4573778095175	317.681301162447	317.681301162447	137.013871206537
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248	205	225208	-207921.1413	9903037.3170250766	39.59993844542944	-01.5368725	282181.4160515834	4386430.671790044	3421.587961900759	330.142645814038	316.571742262158	316.571742262158	140.4429332
249	205	225209	-207261.1413	9903037.3170250766	39.59995246879494	-01.5345318	282382.46153241023	4386425.67668718	3421.675156931902	329.989782406443	316.489124785635	316.3630063779514	139.01387019189143
250	205	225210	-206601.1413	9903037.3170250766	39.599966449642576								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
329	305	225289	-154641.1413	9903037.3170250766	36.009043829984736	-101.3472725	398645.38832752924	3360909.691507314	3292.7344260151312	3177.245047201157	3069.0743912202524	3070.6183717524523	108.17065598990439	106.626675465770455
330	305	225290	-153801.1413	9903037.3170250766	36.00905430662241	-101.3448017	398666.6147362356	3360905.61481598	3296.3871858170414	3175.78565545228	3067.3444156249234	3068.6747387458767	108.14155032304459	107.10909226665126
331	305	225291	-153141.1413	9903037.3170250766	36.0090649858588	-101.3425483	398687.44506676714	3360901.537897691	3298.51698152962346	3174.3129985022346	3065.7209240286943	3065.9898989562896	108.06276359215402	110.35814408783589
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333	305	225293	-151821.1413	9903037.3170250766	36.00908580122173	-101.3379094	398699.50057523253	3360903.388	3285.1261536408346	3171.4269632919877	3062.6668731497568	3060.6063304575778	108.07570914223904	110.8290326420986
334	305	225294	-151161.1413	9903037.3170250766	36.00909618098009	-101.3356686	398704.5238300779	336079.306858727	3288.289828177346	3169.97618203091	3061.0064332713	3058.43568851794	108.079138212787	111.912133521767
335	305	225295	-150501.1413	9903037.3170250766	36.0100051851859	-101.3332278	398701.5557113582	336080.752758887	3286.1766201084266	3168.526720138272	3059.3634905965264	3056.259724383603	108.079138212787	111.912133521767
336	305	225296	-149841.1413	9903037.3170250766	36.0101680483175	-101.3308871	398702.5828963702	336077.157082412	3285.9371000149826	3167.078701589051	3057.813737652637	3054.332176662306	108.079138212787	111.912133521767
337	305	225297	-149191.1413	9903037.3170250766	36.01032970485358	-101.3286463	398703.688683205	336075.881629303	3285.714815412582	3165.8429544577	3056.989898987626	3051.3626712684127	108.079138212787	111.912133521767
338	305	225298	-148521.1413	9903037.3170250766	36.010517247814595	-101.3262055	398704.7336781155	336063.08	3285.491820514412	3164.87245899708	3055.84643889096	3048.2586357783	110.3408712070045	115.931383419878
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348	305	225308	-141921.1413	9903037.3170250766	36.0113674460154	-101.3027977	398714.938826107	336022.263796789	3276.9099091157015	3149.8590433680928	3041.2513739858725	3035.56531091917	110.6974519214565	110.69898379296
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357	305	225317	-135981.1413	9903037.3170250766	36.0122343649813	-101.281736	398723.9488410885214	335985.6178412705	3276.740237998914	3137.384533127881	3026.97345494454	3011.2912100290142	110.6974519214565	110.69898379296
358	305	225318	-135321.1413	9903037.3170250766	36.0123391729172	-101.279389	398724.9317277705	335981.549	3276.72377647533	3136.0707110749737	3025.9461633812129	3007.02979110908	110.6974519214565	110.69898379296
359	305	225319	-134661.1413	9903037.3170250766	36.0124097843001	-101.277049	398725.9446545484	335977.478089097	3276.70627022947	3134.696336731026	3022.899214886243	3003.051483637541	110.6974519214565	110.69898379296
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367	305	225327	-129381.1413	9903037.3170250766	36.0131334454234	-101.2583227	398733.94230663816	335945.824	3276.54635315885	3120.424713899223	3013.777358099979	2997.9914157994237	110.4641157994237	126.5723384764672
368	305	225328	-128721.1413	9903037.3170250766	36.01322168814414	-101.2559819	398734.96350149225	335941.8521858	3276.5280533045213	3122.967582924874	3013.1754890734487	2997.052764198567	109.276962802352	115.4696425096817
369	305	225329	-128061.1413	9903037.3170250766	36.0133093869535	-101.2536411	398735.97312435455	335937.364902169	3276.510637558843	3121.702444	3012.447192596716	2996.13571271371	109.276962802352	115.4696425096817
370	305	225330	-127401.1413	9903037.3170250766	36.0133975356971	-101.251303	398736.97391778983	335933.21680851	3276.492810724697	3120.445773698894	3011.8327681991573	2995.161300549471	115.4696425096817	115.4696425096817
371	305	225331	-126741.1413	9903037.3170250766	36.0134864392467	-101.248973	398737.983488571	335929.264891657	3276.474071484913	3118.910844934485	3010.7253923232	2994.67168345307	112.4026091716322	110.6974519214565
372	305	225332	-126081.1413	9903037.3170250766	36.0135731036971	-101.2466187	398738.93524798833	335925.10012076	32					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskg.ft	BREIEvBothkng.ft	SurfLogskg.ft	SurfBoth.ft
453	305	225415	-71301.14133	9903037.3170250766	39.60191838575373	-101.05232308	323793.4706620973	4385867.724885438	3113.0746281781103	44.5747991880925	2939.4638714420503	2917.676356768061	74.941204384769	96.7816111286378
456	305	225416	-70641.14133	9903037.3170250766	39.60192322155658	-101.049989	323984.4811189847	4385853.93703612	3110.1719628696047	44.5335965647047	2942.0679327665454	2920.817170766284	70.7680370215926	92.01879573793622
457	305	225417	-69861.14133	9903037.3170250766	39.6019260915726	-101.047691	324105.4644916301	4385859.357895411	3107.1883375611867	44.51203219838722	2943.64700226088	2924.014077966232	67.85149719440963	87.189119440963
458	305	225418	-69321.14133	9903037.3170250766	39.60193281152655	-101.045303	323996.490316039	4385755.596487507	3104.266822526946	44.508784529227	2945.160077003527	2926.535884	64.7807045	80.0220001712721
459	305	225419	-68661.14133	9903037.3170250766	39.60193574	-101.042974	324597.4956	4385857.54817919	3101.58364	44.503790249887131	2945.347639967852	2933.853766360536	62.5548592	74.0487932490733
460	305	225420	-68001.14133	9903037.3170250766	39.60194222	-101.040626	324798.5000894605	4385851.500131061	3099.201078713983	44.500623478505445	2943.7061940120628	2935.7120615329077	60.5227692545678	70.5227692545678
461	305	225421	-67341.14133	9903037.3170250766	39.60194685730594	-101.038287	324999.50465263916	4385853.452287072	3096.81672113475	44.50532940505176	2940.546699402062	2934.7398040289844	64.088036345044	69.8152859763519
462	305	225422	-66681.14133	9903037.3170250766	39.60195144878908	-101.035949	325200.5046852843	4385849.04666224	3094.4332623411665	44.502865162959056	2936.5415365446906	2932.5415365446906	62.3230371436543	71.38065017101942
463	305	225423	-66021.14133	9903037.3170250766	39.60195695049656	-101.033604	325401.5120978059	4385848.357895411	3092.2519077373	44.50164538926926	2938.6382794118135	2928.6012138952266	68.5265864745524	78.56530445044117
464	305	225424	-65361.14133	9903037.3170250766	39.60196040698892	-101.031263	325602.5161602125	4385851.31087924	3084.158732324736	44.50043984178885	2928.967603347626	2925.8602340368	70.4825094872262	76.5974874872262
465	305	225425	-64701.14133	9903037.3170250766	39.6019651906254	-101.028924	325803.5197536225	4385847.263132454	3078.103533698884	44.50034354871	2925.897005437026	2923.50224487301	73.7810282	74.3817885805463
466	305	225426	-64041.14133	9903037.3170250766	39.60196936250183	-101.0265816	326004.52317712374	4385843.33905440	3066.08196594823	44.502294156493624	2922.994156408245	2916.7546408245	70.0140044511992	74.9460501020694
467	305	225427	-63381.14133	9903037.3170250766	39.6019737278756	-101.024207	326205.5264313275	4385839.169887825	3063.98147034366	44.502294156493624	2918.7755241904086	2915.752622695221	75.505608248197	75.505608248197
468	305	225428	-62721.14133	9903037.3170250766	39.60197804802774	-101.021899	326406.52961643954	4385835.12398954	3063.90275295646	44.502294156493624	2917.734304004878	2916.7743017075527	75.776916886626	75.776916886626
469	305	225429	-62061.14133	9903037.3170250766	39.60198222595807	-101.019559	326607.5324326668	4385831.07531566	3061.901968849137	44.502294156493624	2915.73183274084	2915.073183274084	74.0473617532985	75.7570522418439
470	305	225430	-61401.14133	9903037.3170250766	39.6019865266661	-101.0172182	326808.5352	4385827.03188651	3059.745444803006	44.502294156493624	2914.162518355038	2913.06225654167	74.923362	75.3936491423769
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472	305	225432	-60081.14133	9903037.3170250766	39.60199484761831	-101.0125365	327210.540170961	4385819.04662712	3055.294483350849	44.502294156493624	2911.59787605324	2911.343651304426	74.0725112434358	74.281778544027
473	305	225433	-59421.14133	9903037.3170250766	39.60199897	-101.0101957	327411.5424128418	4385814.89548378	3053.686724713868	44.502294156493624	2910.4626915525146	2910.327617200356	73.4376411	75.7272154630174
474	305	225434	-58761.14133	9903037.3170250766	39.6020031928289	-101.0078548	327612.5444784723	4385810.50502706	3047.078971330587	44.502294156493624	2909.3754849621087	2909.2674573094077	72.7097627	72.7179292
475	305	225435	-58101.14133	9903037.3170250766	39.60200702288243	-101.005514	327813.5454936977	4385806.80579208	3045.007378435374	44.502294156493624	2908.55346478894	2908.40826814471	72.97171632516	72.0227899
476	305	225436	-57441.14133	9903037.3170250766	39.60201091200186	-101.0031732	328014.5481347617	4385802.61729569	3043.0624067953715	44.502294156493624	2907.684248071156	2908.296445747176	70.35667567543	70.5317036470499
477	305	225437	-56781.14133	9903037.3170250766	39.6020148944290314	-101.000841	328215.550254703	4385798.15409261	3041.04198876839	44.502294156493624	2906.7568301004425	2906.7568301004425	68.4842699579081	68.4842699579081
478	305	225438	-56121.14133	9903037.3170250766	39.6020187625015	-100.998415	328415.5111283307	4385794.62901323	3038.84208933627	44.502294156493624	2905.87327265307	2905.87327265307	67.1184341823476	67.2233638020054
479	305	225439	-55461.14133	9903037.3170250766	39.60202263525769	-100.9961506	328617.5252513539	4385790.6720043	3036.93119562246	44.502294156493624	2904.97363177027	2906.5561020439525	66.3417120708138	67.2233638020054
480	305	225440	-54801.14133	9903037.3170250766	39.6020263625572	-100.993808	328818.554326098	4385786.5846476	3034.0824267509256	44.502294156493624	2904.11241854724	2905.097948	67.0197120081738	67.0300578008698
481	305	225441	-54141.14133	9903037.3170250766	39.6020300482128	-100.991469	329019.554326098	4385782.50452925	3031.9615561455395	44.502294156493624	2903.27727072942	2904.4974783841917	66.0002468875016	67.1370004301957
482	305	225442	-53481.14133	9903037.3170250766	39.602033781867945	-100.9891281	329220.5506870123	4385784.49868519	3029.650707843574	44.502294156493624	2902.805258612905	2901.5057587110266	66.070645389139	67.3677404039139
483	305	225443	-52821.14133	9903037.3170250766	39.60203762389273	-100.9867873	329421.5556241646	4385780.4868736	3027.75541173006	44.502294156493624	2901.86538041186	2900.88482638988	66.1777436781491	68.4842699579081
484	305	225444	-52161.14133	9903037.3170250766	39.60204102205618	-100.984444	329622.5041163105	4385774.6194999	3025.854170045675	44.502294156493624	2900.94164205268	2900.4037145823745	65.0164268220992	65.0164268220992
485	305	225445	-51501.14133	9903037.3170250766	39.60204457167664	-100.9821058	329823.5556	4385766.3054599	3023.9048954315087	44.502294156493624	2900.058706158994	2900.796128685157	64.2625747474732	64.2625747474732
486	305	225446	-50841.14133	9903037.3170250766	39.60204807783576	-100.9797647	330024.5563685381	4385762.32861367	3021.94717338497	44.502294156493624	2899.4753291799027	2899.4753291799027	63.5443104704308	63.5443104704308
487	305	225447	-50181.14133	9903037.3170250766	39.60205153877298	-100.9774239	330225.5562800275	4385758.286200605	3020.5443808	44.502294156493624	2898.692569005553	2898.692569005553	62.650116885861	62.650116885861
488	305	225448	-49521.14133	9903037.3170250766	39.60205495448831	-100.9750831	330426.5562654515	4385754.24441101	3019.847522328256	44.502294156493624	2897.936247494083	2898.0894607	66.048105784338	68.4804063232723
489	305	225449	-48861.14133	9903037.3170250766	39.60205824981075	-100.9727422	330627.5565088272	4385750.22243508	3017.35189860837	44.502294156493624	2897.755017620743	2897.2036485953222	66.070645389139	68.4804063232723
490	305	225450	-48201.14133	9903037.3170250766	39.602062162993014	-100.970404	330829.556254703	4385746.15409261	3015.40198876839	44.502294156493624	2896.81712075081	2896.81712075081	65.0164268220992	65.0164268220992
491	305	225451	-47541.14133	9903037.3170250766	39.602066052435322	-100.9678605	331029.5544728254	4385742.10285438	3013.47791580751	44.502294156493624	2895.843036474284	2898.89317206296	63.31376764191	65.71156881
492	305	225452	-46881.14133	9903037.3170250766	39.6020698165130376	-100.9657197	331230.5536396835	4385738.07364134	3011.616652504026	44.502294156493624	2894.923377561136	2896.75041	65.669009010967	72.7906345102933
493	305	225453	-46221.14133	9903037.3170250766	39.60207315473609	-100.9633788	331431.5522916971	4385734.03852451	3009.815509481533	44.502294156493624	2894.0236795468	2896.75041	65.669009010967	72.7906345102933
494	305	225454	-45561.14133	9903037.3170250766	39.60207644991188	-100.961038	331632.5510526851	4385730.0900772	3007.944611095636	44.502294156493624	2893.054050947263	2898.4415574046967	65.0164268220992	65.0164268220992
495	305	225455	-44901.14133	9903037.3170250766	39.60208036251144	-100.958792	331833.5496011394	4385726.05026515	3006.033463843698	44.502294156493624	2892.105611364037	2897.9602849631863	65.3510012099012	68.500727112925
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497	305	225457	-43581.14133	9903037.3170250766	39.602087779293014	-100.9540929	332235.5464936977	4385718.07364134	3002.1540198876839	44.502294156493624	2890.24849847473	2896.480847473	64.088036345044	64.088036345044
498	305	225458	-42921.14133	9903037.3170250766	39.602091620435322	-100.951767	332436.54443557	4385714.03852451	3000.2547791580751	44.502294156493624	2889.31376764191	2895.7499192264477	63.31376764191	65.71156881
499	305	225459	-42											

ix	iy	x	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRElevKgr.f	BRElevBothKgr.f	SatHtLog.f	SatHtBoth.f
581	255541	11738.85867303351	1993037.3170250766	39.60217495042491	-100.7573841	14918.8400318143	43850.79313216672	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
582	255542	1215.8185867303351	1993037.3170250766	39.60217411523634	-100.750432	34979.2185195156	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
583	255543	11738.85867303351	1993037.3170250766	39.60217411523634	-100.750432	34979.2185195156	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
584	255544	13838.85867303351	1993037.3170250766	39.6021739027467	-100.750315	34979.2185195156	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
585	255545	14498.85867303351	1993037.3170250766	39.6021733844697	-100.7480206	34979.2185195156	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
586	255546	15158.85867303351	1993037.3170250766	39.6021733844697	-100.7456798	35012.736481102	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
587	255547	15818.85867303351	1993037.3170250766	39.60216926112517	-100.7433398	35032.748800704	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
588	255548	16748.85867303351	1993037.3170250766	39.60216815450055	-100.7409891	35052.731886899	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
589	255549	17338.85867303351	1993037.3170250766	39.6021670291426	-100.7386872	35072.6717332025	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
590	255550	17798.85867303351	1993037.3170250766	39.6021658057568	-100.7363164	35097.701322491	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
591	255551	18458.85867303351	1993037.3170250766	39.60216456381355	-100.7339758	35112.6851821523	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
592	255552	19118.85867303351	1993037.3170250766	39.6021637643271	-100.7316347	35129.668049047	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
593	255553	19778.85867303351	1993037.3170250766	39.602161943827966	-100.7292938	35150.65247122524	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
594	255554	20438.85867303351	1993037.3170250766	39.6021605601000	-100.726963	35173.6163997825	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
595	255555	21098.85867303351	1993037.3170250766	39.60215914925211	-100.7246121	35193.62191058107	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
596	255556	21758.85867303351	1993037.3170250766	39.6021577468099	-100.7222713	35213.6022121026	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
597	255557	22418.85867303351	1993037.3170250766	39.60215616118778	-100.7199034	35233.5851802597	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
598	255558	23068.85867303351	1993037.3170250766	39.602154602472446	-100.7175896	35253.5681744477	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
599	255559	23738.85867303351	1993037.3170250766	39.602152980535	-100.7152487	35273.5608879075	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
600	255560	24398.85867303351	1993037.3170250766	39.60215134937548	-100.7129079	35293.537	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
601	255561	25058.85867303351	1993037.3170250766	39.60214965498385	-100.710567	35313.8158891701	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
602	255562	25718.85867303351	1993037.3170250766	39.60214791539013	-100.708262	35333.49817741216	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
603	255563	26378.85867303351	1993037.3170250766	39.602146113054214	-100.705945	35353.425487254	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
604	255564	27038.85867303351	1993037.3170250766	39.60214430051539	-100.7035445	35374.46233019023	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
605	255565	27698.85867303351	1993037.3170250766	39.6021424143	-100.7012036	35394.44419512287	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
606	255566	28358.85867303351	1993037.3170250766	39.602140540754324	-100.6988628	35414.42591935815	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
607	255567	29018.85867303351	1993037.3170250766	39.60213853904017	-100.6965219	35434.44419512287	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
608	255568	29678.85867303351	1993037.3170250766	39.60213652810398	-100.6941811	35454.3889466568	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
609	255569	30338.85867303351	1993037.3170250766	39.6021344719456	-100.691842	35474.3702489485	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
610	255570	30998.85867303351	1993037.3170250766	39.60213237055298	-100.6894994	35494.371434017	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
611	255571	31658.85867303351	1993037.3170250766	39.6021302329626	-100.6871586	35514.38234	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
612	255572	32318.85867303351	1993037.3170250766	39.60212803213836	-100.6848177	35534.3913216892	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
613	255573	32978.85867303351	1993037.3170250766	39.60212575091844	-100.6824769	35555.294066169	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
614	255574	33638.85867303351	1993037.3170250766	39.6021231282324	-100.680136	35575.1274672998	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
615	255575	34298.85867303351	1993037.3170250766	39.60212116858225	-100.6777132	35595.25254012924	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
616	255576	34958.85867303351	1993037.3170250766	39.6021189126193	-100.675445	35615.234587254	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
617	255577	35618.85867303351	1993037.3170250766	39.60211634866252	-100.6731153	35635.2156588587	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
618	255578	36278.85867303351	1993037.3170250766	39.60211391528496	-100.6707726	35655.1957102457	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
619	255579	36938.85867303351	1993037.3170250766	39.60211142314972	-100.6684318	35675.175624701	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
620	255580	37598.85867303351	1993037.3170250766	39.60210885948914	-100.6660099	35695.155400397	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
621	255581	38258.85867303351	1993037.3170250766	39.60210627072609	-100.663701	35715.130393301	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
622	255582	38918.85867303351	1993037.3170250766	39.6021036268129	-100.6614092	35735.1154404105	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
623	255583	39578.85867303351	1993037.3170250766	39.6021014811493	-100.659121	35755.100526754	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
624	255584	40238.85867303351	1993037.3170250766	39.60209892025546	-100.6567275	35775.0713111976	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007
625	255585	40898.85867303351	1993037.3170250766	39.60209654231482	-100.6543867	35795.0522213057	43850.7520090145	2945.518597	202.003056785703	2784.57973030513	2784.907494789884	41543326425189753	15.115561998819007

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThgLog.s	SatThBoth.ft
70	305	225667	95016.85867307335	993037.3170250766	39.601713597145505	-100.4624382	774441.89192155167	4384574.014209341	2743.8378459490451	2565.502079491987	2565.0040589369255	2563.2153413035885	62.2867381838943	
706	305	225668	95016.85867307335	993037.3170250766	39.601706403593	-100.4600474	774642.86053751148	4384574.017062222	2743.714330187769	2623.7917859488489	2559.3654911361727	2558.9645933693764	64.2629632871654	
709	305	225669	95016.85867307335	993037.3170250766	39.601700485769	-100.4577768	774843.828769695	4384574.019540771	2738.38991578780493	2612.384782684531	2553.6448620111795	2554.035394186896	64.2629632871654	
710	305	225670	95016.85867307335	993037.3170250766	39.6016938215304	-100.4554157	775044.796245034	4384562.41347906	2733.6655013824065	2602.416732137533	2552.192712467948	2554.1148674161	66.25702196959567	
711	305	225671	95016.85867307335	993037.3170250766	39.601687193737946	-100.4530749	775245.765203455	4384558.436810629	2733.5731317025738	2618.761127328976	2551.938621020882	2552.03853265779	66.2260612609369	
712	305	225672	95016.85867307335	993037.3170250766	39.6016804793825	-100.4507341	775446.73209729364	4384554.446313145	2731.223224079717	2617.130023125191	2550.7340214834266	2551.051424389933	66.14949416712862	
713	305	225673	95016.85867307335	993037.3170250766	39.6016731701699	-100.4483933	775647.705605553	4384550.454176103	2738.502764552403	2615.521424333006	2550.697345898307	2550.96434758391	66.14949416712862	
714	305	225674	95016.85867307335	993037.3170250766	39.60166691573272	-100.4460524	775848.6686	4384546.46225711	2738.7482426714563	2613.3430095957346	2551.581178603748	2551.99336311115	62.361830879601	
715	305	225675	95016.85867307335	993037.3170250766	39.601659426472	-100.4437116	776049.628769695	4384542.470561245	2738.9891578780493	2612.384782684531	2553.6448620111795	2554.035394186896	64.2629632871654	
716	305	225676	95016.85867307335	993037.3170250766	39.60165311719212	-100.4411708	776250.803201554	4384538.479081708	2733.282171596615	2610.845450783193	2552.0930472259	2554.438341380187	64.2629632871654	
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719	305	225679	95016.85867307335	993037.3170250766	39.6016321522772	-100.4343483	776853.506240591	4384526.50568434	2757.561935747303	2606.390048887843	2562.8347331991217	2563.172859593792	64.4727169	
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727	305	225687	95016.85867307335	993037.3170250766	39.601574329884	-100.4156218	778461.238623968	4384494.587390109	2598.56733630544	2594.0868575442873	2559.37988323267	2560.424039591027	64.032631669233524	
728	305	225688	95016.85867307335	993037.3170250766	39.60156695032989	-100.4134281	778662.2047264985	4384490.585010054	2594.571083720549	2592.494784023789	2557.892504	2558.692488019622	64.032631669233524	
729	305	225689	95016.85867307335	993037.3170250766	39.601559426472	-100.4109863	778863.28769695	4384486.598430271	2592.494784023789	2590.4868575442873	2556.92103209713	2557.892504	64.032631669233524	
730	305	225690	95016.85867307335	993037.3170250766	39.60155185467005	-100.4085994	779064.136585705	4384482.621481737	2588.416123003506	2589.257497391055	2555.363239537616	2554.2554654654051	64.032631669233524	
731	305	225691	95016.85867307335	993037.3170250766	39.601544231475274	-100.4062586	779265.102347291	4384478.3301825	2586.61038619575	2587.550237646	2554.2554654654051	2554.2554654654051	64.032631669233524	
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735	305	225695	95016.85867307335	993037.3170250766	39.6015132768677	-100.3968963	779968.628769695	4384462.6778963	2578.67488457306	2580.699534	2543.552176559139	2544.382176559139	64.032631669233524	
736	305	225696	95016.85867307335	993037.3170250766	39.6015057716145	-100.3945545	780069.924012115	4384458.695698395	2576.742372971257	2578.67488457306	2543.552176559139	2544.382176559139	64.032631669233524	
737	305	225697	95016.85867307335	993037.3170250766	39.60149783266732	-100.3922137	780269.84816238	4384454.7836908	2574.67488457306	2577.41103794276	2551.938621020882	2552.03853265779	64.032631669233524	
738	305	225698	95016.85867307335	993037.3170250766	39.60149004	-100.3898729	780471.859438442	4384450.72291513	2569.68697446708	2575.6676914242786	2551.25547252727	2551.89484902446	64.032631669233524	
739	305	225699	95016.85867307335	993037.3170250766	39.60148210795448	-100.3875321	780672.824805004	4384446.73773061	2568.093787907072	2573.917408280912	2551.368697818692	2551.041857738096	64.032631669233524	
740	305	225700	95016.85867307335	993037.3170250766	39.60147417278182	-100.3851913	780873.8918735895	4384442.759687078	2566.471930706857	2571.611795502686	2550.7340214834266	2551.051424389933	64.032631669233524	
1	306	225701	95016.85867307335	993037.3170250766	39.601466100129628	-100.3828147	781074.97173124	4384438.7652214965	2564.71193058541	2570.66723930336	2549.084103548358	2547.216817397815	64.032631669233524	
2	306	225702	95016.85867307335	993037.3170250766	39.6014581329263	-100.3804761	781276.041876959	4384434.78131726	2562.71193058541	2569.4813290973	2548.467142389773	2548.467142389773	64.032631669233524	
3	306	225703	95016.85867307335	993037.3170250766	39.60145016386574	-100.3781327	781477.1127307157	4384440.192536336	2560.7340214834266	2568.257497391055	2555.363239537616	2554.2554654654051	64.032631669233524	
4	306	225704	95016.85867307335	993037.3170250766	39.601442157274	-100.3757944	781678.265103657	4384436.213025474	2558.416123003506	2567.41103794276	2551.938621020882	2552.03853265779	64.032631669233524	
5	306	225705	95016.85867307335	993037.3170250766	39.60143419872	-100.3734562	781879.318623968	4384432.238623968	2556.471930706857	2566.471930706857	2555.363239537616	2554.2554654654051	64.032631669233524	
6	306	225706	95016.85867307335	993037.3170250766	39.60142623109178	-100.3711179	782080.373059498	4384428.265678318	2554.75426052651	2565.043585198528	2554.2554654654051	2554.2554654654051	64.032631669233524	
7	306	225707	95016.85867307335	993037.3170250766	39.60141821079548	-100.3687781	782281.436585705	4384424.2981825	2552.80876935919	2564.791897517139	2553.64857748883	2563.978406731194	64.032631669233524	
8	306	225708	95016.85867307335	993037.3170250766	39.601410239884	-100.3664389	782482.50629194	4384420.3301825	2550.7340214834266	2563.776147	2552.03853265779	2552.03853265779	64.032631669233524	
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11	306	225711	95016.85867307335	993037.3170250766	39.6013864574	-100.3594219	783085.718623968	4384408.265678318	2545.1424333006	2561.40909	2561.40909	2561.40909	64.032631669233524	
12	306	225712	95016.85867307335	993037.3170250766	39.6013784816238	-100.3570832	783286.83573059498	4384404.2981825	2543.265678318	2560.7340214834266	2560.7340214834266	2560.7340214834266	64.032631669233524	
13	306	225713	95016.85867307335	993037.3170250766	39.60137049816238	-100.3547445	783487.90673059498	4384400.3301825	2541.368					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKt	BR/ElevBothKt	SatThdLogsKt	SatThdBoth.	
93	306	225793	-310221.1413	9936937	31.70250766	39.588999789935164	101.8999697	251020.8945886764	3487269.444127902	3724.2686605716604	371.808717243443484	3425.376733866716	3425.316416949188	32.5299047763222	53.285307359160544
94	306	225794	-305661.1413	9936937	31.70250766	39.59002102223407	101.8973562	25121.3399115071	3487265.313978495	3722.5900780756703	3477.084717030603	3421.5529336951455	3421.2640487773344	55.5318337356573	55.8207239536653
95	306	225795	-308891.1413	9936937	31.70250766	39.59002102231204	101.8860156	25143.6201181212	3487261.184054282	3720.860176474454	3475.613322421054	3417.2564965365234	3416.816586645913	58.3048356025919	58.74293377853104
96	306	225796	-302041.1413	9936937	31.70250766	39.590063351179638	101.8892675	251624.1007920812	3487257.054352525	3719.3222066385853	3474.03005626953	3421.4209311399943	3415.0650672772344	61.6007282605704	61.9649673723461
97	306	225797	-307581.1413	9936937	31.70250766	39.59006444783381	101.8903344	251825.1797469354	3487252.925	3717.744246513025	3472.490472456338	3408.1774274492057	3407.604380178695	63.417347707132285	64.8898918386468
98	306	225798	-306921.1413	9936937	31.70250766	39.59105409273946	101.8879398	252026.2506248744	3487248.79653279	3716.245268317675	3470.9540283609955	3404.380202425364	3403.524468182346	65.7328211843308	67.4315154247047
99	306	225799	-306261.1413	9936937	31.70250766	39.5912650050016	101.8856532	252227.3384995646	3487244.666092295	3714.5818215933473	3469.4133163443403	3400.86701887484	3400.86701887484	68.5643145865818	69.7304086133078
100	306	225800	-305601.1413	9936937	31.70250766	39.59147466512434	101.8833126	252428.41704714705	3487243.68199709	3712.7908231151173	3467.8757715615284	3397.995971481797	3398.7989007793147	71.6659438453729	71.6659438453729
101	306	225801	-304841.1413	9936937	31.70250766	39.5916838231076	101.889672	252629.4926565271	3487236.409237683	3710.989826674581	3465.942228	3396.3074295745154	3393.0971401347274	73.0348086072446	73.0348086072446
102	306	225802	-304281.1413	9936937	31.70250766	39.5918925289953	101.8786314	252830.57469697034	3487222.28089628	3709.28912080205	3464.812323293987	3392.95859582874	3392.95859582874	71.8235645421958	71.8235645421958
103	306	225803	-303621.1413	9936937	31.70250766	39.59201700726504	101.8762908	253031.6529434382	3487228.15276706	3707.557978914497	3463.293454617844	3390.893623489306	3386.541358126451	72.8920210747852	72.8920210747852
104	306	225804	-302961.1413	9936937	31.70250766	39.59223058421365	101.8735902	253232.73004611862	3487224.024869819	3706.0471369900843	3461.781242507181	3389.1824496582847	3389.1824496582847	73.58329424735825	73.58329424735825
105	306	225805	-302301.1413	9936937	31.70250766	39.5925159333635	101.8718966	253433.8087045435	3487219.99196251	3704.5362759987183	3460.278873504053	3387.488623959239	3379.040516153678	72.790246615139	73.282949037497
106	306	225806	-301641.1413	9936937	31.70250766	39.59272283091125	101.869269	253634.886201147	3487215.769748959	3703.0251474587328	3458.78704587328	3385.9271774056824	3376.520956360528	72.8599871816547	72.8599871816547
107	306	225807	-300981.1413	9936937	31.70250766	39.592922597260472	101.8668284	253835.9638918735	3487211.76242623	3701.3999914418748	3457.307770032095	3384.485321	3374.4808014621285	72.8244852	72.8244852
108	306	225808	-300321.1413	9936937	31.70250766	39.5931132694003	101.8645878	254037.0405203178	3487207.515528906	3699.629774230034	3455.841150501167	3383.11852273805	3373.107380561644	72.7240237180165	72.7240237180165
109	306	225809	-299661.1413	9936937	31.70250766	39.593330406989046	101.8622472	254238.1173057612	3487203.38768564	3697.896354070917	3454.395549583214	3381.774420814957	3372.3000667427323	72.62112877	72.62112877
110	306	225810	-299001.1413	9936937	31.70250766	39.59353458959573	101.8599066	254439.193483775	3487199.262209489	3696.100438015612	3452.96736997512	3380.437213439859	3370.551563565308	72.5301563565308	72.5301563565308
111	306	225811	-298341.1413	9936937	31.70250766	39.59373053516034	101.8575659	254640.2714836657	3487195.135887401	3694.457145434373	3451.560979848137	3379.052081261003	3378.088567318234	72.46577182	72.46577182
112	306	225812	-297681.1413	9936937	31.70250766	39.59393547195792	101.8552253	254841.3462059423	3487191.090790386	3692.914269693741	3450.178687303547	3378.027393243277	3378.027393243277	72.3513486030392	72.3513486030392
113	306	225813	-297021.1413	9936937	31.70250766	39.59415848155305	101.8528847	255042.422013062	3487186.88391433	3691.370877641011	3448.822491379403	3376.849139786565	3376.849139786565	71.9733773214775	71.9733773214775
114	306	225814	-296361.1413	9936937	31.70250766	39.59436171319828	101.8505441	255243.4975946026	3487182.75712539	3689.827549194298	3447.453784903773	3375.5520508165365	3375.5520508165365	71.50107767	71.50107767
115	306	225815	-295701.1413	9936937	31.70250766	39.59456491589966	101.8481973	255445.62762921774	3487178.93249842	3688.192354982898	3446.192354982898	3374.192354982898	3374.192354982898	71.0335855	71.0335855
116	306	225816	-295041.1413	9936937	31.70250766	39.59476635304045	101.8458923	255645.648	3487175.40576289	3687.26423762898	3444.5203639253274	3373.250143070995	3373.250143070995	71.67022085827272	71.67022085827272
117	306	225817	-294381.1413	9936937	31.70250766	39.5949685859573	101.8435222	255846.7226471655	3487170.38267901	3686.060696269891	3443.675406515205	3371.931451779576	3371.931451779576	71.4305472492617	71.4305472492617
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119	306	225819	-293061.1413	9936937	31.70250766	39.5953713505409	101.838841	256248.8719385374	3487162.13410609	3683.554153639977	3441.2648402362	3368.5641217888	3368.5641217888	72.696672804414	72.696672804414
120	306	225820	-292401.1413	9936937	31.70250766	39.59557197179719	101.8365004	256449.9646419344	3487158.09113901	3682.10659435102	3440.03463902327	3365.009474142543	3365.009474142543	71.0765175978059	71.0765175978059
121	306	225821	-291741.1413	9936937	31.70250766	39.5957720328955	101.8341597	256651.019482843	3487154.935677625	3680.657880779265	3438.9187760277625	3363.368369522927	3363.368369522927	70.5511891684572	70.5511891684572
122	306	225822	-291081.1413	9936937	31.70250766	39.59597169450574	101.8318191	256852.9350442949	3487149.761195498	3679.207423259343	3437.702414730925	3361.494896530576	3361.494896530576	70.027212596804	70.027212596804
123	306	225823	-290421.1413	9936937	31.70250766	39.596170066576	101.8294785	257053.166986172	3487145.63737578	3677.825574003173	3436.61549843533	3361.348340842983	3361.348340842983	69.54810797	69.54810797
124	306	225824	-289761.1413	9936937	31.70250766	39.59636965315556	101.8271379	257254.20416325735	3487141.517710578	3676.507347426656	3435.429519270277	3355.17172296037	3355.17172296037	69.031094099059	69.031094099059
125	306	225825	-289101.1413	9936937	31.70250766	39.59656679718244	101.8247972	257455.313088167	3487137.31080538	3675.182479214017	3434.32635225556	3352.36354253366	3352.36354253366	68.5169092891864	68.5169092891864
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127	306	225827	-287781.1413	9936937	31.70250766	39.59695632	101.8202116	257857.45821595022	3487129.14536708	3672.4477877488595	3429.7046028571158	3427.163297084944	3424.22463432631	67.5017014716637	67.5017014716637
128	306	225828	-287121.1413	9936937	31.70250766	39.5971601794517	101.817763	258058.530170416	3487125.42984842	3671.011052	3428.742781810997	3347.155678109997	3347.155678109997	67.007234752349	67.007234752349
129	306	225829	-286461.1413	9936937	31.70250766	39.597356679537	101.8153447	258259.8029584544	3487120.90567924	3669.542287784228	3429.82247815991	3346.227761629547	3346.227761629547	66.532757603549	66.532757603549
130	306	225830	-285801.1413	9936937	31.70250766	39.59757252171674	101.8130941	258460.6741238574	3487116.77852047	3668.057415733964	3428.710780647854	3344.325810520443	3343.969184254474	66.0384969530673	66.0384969530673
131	306	225831	-285141.1413	9936937	31.70250766	39.59977483	101.8107534	258661.7456146074	3487112.657	3667.02133841867	3427.60034867549	3343.641096375945	3343.641096375945	65.5493952367857	65.5493952367857
132	306	225832	-284481.1413	9936937	31.70250766	39.59973435717555	101.8084128	258862.8166718855	3487108.535107181	3663.3817037029315	3426.508927	3336.10589611247	3336.10589611247	65.040333748	65.040333748
133	306	225833	-283821.1413	9936937	31.70250766	39.599813814647696	101.8060721	259063.88781691	3487104.53192981	3660.74073564202	3425.400538259484	3334.05173564202	3334.05173564202	64.5374362019327	64.5374362019327
134	306	225834	-283161.1413	9936937	31.70250766	39.59983236352635	101.8037319	259264.9685816847	3487100.259228678	3658.7558807784053	3424.344344738763	3332.101610525132	3332.101610525132	64.0317842261382	64.0317842261382
135	306	225835	-282501.1413	9936937	31.70250766	39.599851686213	101.8014357	259466.6297970416	3487097.00969724	3657.0347158845927	3423.19347158845927	3330.91973158845927	3330.91973158845927	63.5291978292592	63.5291978292592
136	306	225836	-281841.1413	9936937	31.70250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElevBot.Kg.f	SatH.Kg.f	SatHBoth.f
219	206	225919	-227061.1413	9936937.3170250766	39.603181988579074	-101.6047727	77635.122549846	4386750.816323092	341.5115519554967	334.27732324529694	320.030802518553	319.93247204707777	314.25622993441623	151.0301277451922
220	206	225920	-226401.1413	9936937.3170250766	39.603153423650515	-101.602432	77656.1763447886	4386714.71490361	343.747242331665	334.7471515791024	320.122056473428	319.93247204707777	314.25622993441623	151.0301277451922
221	206	225921	-227181.1413	9936937.3170250766	39.603150013305648	-101.600814	77675.2261464255	4386714.71490361	343.7471515791024	334.7471515791024	320.122056473428	319.93247204707777	314.25622993441623	151.0301277451922
222	206	225922	-225081.1413	9936937.3170250766	39.603136546	-101.5977505	77654.298645723	4386735.11497465	343.7471515791024	334.7471515791024	320.122056473428	319.93247204707777	314.25622993441623	151.0301277451922
223	206	225923	-224241.1413	9936937.3170250766	39.603130805755516	-101.5954098	77719.3302953274	4386734.10337701	342.905196882602	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
224	206	225924	-223761.1413	9936937.3170250766	39.60312662117357	-101.5930909	77730.3805065184	4386730.30401917	342.905196882602	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
225	206	225925	-223101.1413	9936937.3170250766	39.60311520736803	-101.5907283	77756.1404986736	4386726.10803488	342.905196882602	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
226	206	225926	-222441.1413	9936937.3170250766	39.603112678493345	-101.5883785	77762.4802718655	4386722.10803488	342.905196882602	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
227	206	225927	-221781.1413	9936937.3170250766	39.60311442	-101.5860468	77763.5296263454	4386718.00794012	341.452419277857	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
228	206	225928	-221121.1413	9936937.3170250766	39.60315177636367	-101.583708	77814.57192120118	4386713.90701267	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
229	206	225929	-220461.1413	9936937.3170250766	39.60314720447019	-101.5813653	77835.6219798735	4386709.80806095	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
230	206	225930	-219801.1413	9936937.3170250766	39.603148738758254	-101.5790245	77856.67717954024	4386705.70496145	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
231	206	225931	-219141.1413	9936937.3170250766	39.603105240502782	-101.5766838	77876.7258612304	4386701.609129684	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
232	206	225932	-218481.1413	9936937.3170250766	39.603151741747899	-101.574343	77898.7743252268	4386697.50987764	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
233	206	225933	-217821.1413	9936937.3170250766	39.603153264711396	-101.5720023	77918.82257174514	4386693.6141	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
234	206	225934	-217161.1413	9936937.3170250766	39.60314726672531	-101.569618	77937.07800099153	4386689.31276508	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
235	206	225935	-216501.1413	9936937.3170250766	39.60316521232064	-101.5673208	77957.91813171195	4386685.21306439	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
236	206	225936	-215841.1413	9936937.3170250766	39.6031576935079356	-101.56498	77972.776000849356	4386681.15969752	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
237	206	225937	-215181.1413	9936937.3170250766	39.6031591701455384	-101.5626393	77997.0133871598	4386677.018	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
238	206	225938	-214521.1413	9936937.3170250766	39.603160642259471	-101.5602895	78015.0605483784	4386673.91984237	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
239	206	225939	-213861.1413	9936937.3170250766	39.603162108851345	-101.557978	78037.16750935664	4386668.62293615	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
240	206	225940	-213201.1413	9936937.3170250766	39.603165572971724	-101.555617	78057.1542252982	4386664.74260402	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
241	206	225941	-212541.1413	9936937.3170250766	39.60316581109642	-101.553218	78078.176570531	4386660.73561548	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
242	206	225942	-211881.1413	9936937.3170250766	39.603165485464625	-101.5509355	78099.2477037867	4386655.53084795	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
243	206	225943	-211221.1413	9936937.3170250766	39.6031679350010095	-101.5485947	78118.2931206996	4386650.43191737	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
244	206	225944	-210561.1413	9936937.3170250766	39.60316938	-101.546254	78138.338888294	4386648.37765561	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
245	206	225945	-209901.1413	9936937.3170250766	39.603170820445159	-101.5439132	78158.28471416204	4386644.24153031	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
246	206	225946	-209241.1413	9936937.3170250766	39.6031722563400354	-101.5415724	78173.4017967354	4386640.14535002	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
247	206	225947	-208581.1413	9936937.3170250766	39.60317387901021	-101.539217	78184.4754091384	4386636.25097238	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
248	206	225948	-207921.1413	9936937.3170250766	39.60317497659054	-101.5369354	78195.141222007	4386632.51949326	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
249	206	225949	-207261.1413	9936937.3170250766	39.60317653706296	-101.5345501	78216.5652071021	4386632.78586166	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
250	206	225950	-206601.1413	9936937.3170250766	39.603177954205794	-101.5322094	78237.6807801834	4386623.91523478	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
251	206	225951	-205941.1413	9936937.3170250766	39.6031793682499626	-101.5298686	78258.6515516566	4386619.69	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
252	206	225952	-205281.1413	9936937.3170250766	39.60318077057432	-101.5275728	78279.68930875064	4386615.574209078	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
253	206	225953	-204621.1413	9936937.3170250766	39.6031821813249938	-101.5251871	78300.7422489765	4386611.47975225	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
254	206	225954	-203961.1413	9936937.3170250766	39.60318358110642	-101.522818	78321.76570531	4386607.3855017	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
255	206	225955	-203301.1413	9936937.3170250766	39.60318497634373	-101.5205055	78342.89260491843	4386605.21576336	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
256	206	225956	-202641.1413	9936937.3170250766	39.603186367068185	-101.5181648	78363.973728	4386602.19708483	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
257	206	225957	-201981.1413	9936937.3170250766	39.603187753266077	-101.515824	78384.95158084302	4386595.10426317	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
258	206	225958	-201321.1413	9936937.3170250766	39.603189134942045	-101.5134832	78419.9587569569	4386591.01052128	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
259	206	225959	-200661.1413	9936937.3170250766	39.6031905912096084	-101.5111424	78439.0014213758	4386589.17895907	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
260	206	225960	-200001.1413	9936937.3170250766	39.603191847276195	-101.5088017	78459.0438737104	4386585.42491652	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
261	206	225961	-199341.1413	9936937.3170250766	39.603193249166195	-101.506451	78479.0861465774	4386581.67943458	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
262	206	225962	-198681.1413	9936937.3170250766	39.6031946162166195	-101.5041021	78499.10012434904	4386582.79152636	341.76217765271	333.8103632	319.866696621974	319.93247204707777	314.25622993441623	151.0301277451922
263	206	225963	-198021.1413	9936937.3170250766	39.6031959754922554	-101.5017379								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.ft	W.Lt.	BREIveBothKrg.ft	BREIveBothKrg.ft	SurfKthLog.ft	SurfKthBoth.ft
335	306	226045	-143901.1413	9936937.3170250766	39.60292030545493	-101.3098328	10685.89898214237	4386235.748839988	3386.324508909713	3153.4640073623265	3004.5003383110355	3044.0569510833443	993636735	109.40705617998219
346	306	226048	-143201.1413	9936937.3170250766	39.60253014282693	-101.3074819	101886.52491834873	4386231.507331975	3338.399501387784	3152.68898535101	3042.40217817998	3039.2452421214795	993636735	112.78632672362164
347	306	226047	-142681.1413	9936937.3170250766	39.60293989497768	-101.3051151	102887.46498261195	4386235.748839988	3340.448703891323	3142.122965217882	3042.3401388179868	3039.3870445451735	993636735	114.20089720306285
348	306	226046	-141921.1413	9936937.3170250766	39.602498498190713	-101.3020102	102288.78491943819	4386235.748839988	3339.4651475607742	3149.163800938627	3040.300018602405	3039.245242065565	993636735	115.57639401829763
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350	306	226050	-140601.1413	9936937.3170250766	39.60296904010209	-101.2981286	102691.0228756585	4386215.383	3337.515300655457	3146.136916855247	3037.523668942056	3028.8768189341306	993636735	117.43396741057042
351	306	226051	-139941.1413	9936937.3170250766	39.602978651367536	-101.2957877	102892.0460861964	4386211.304468243	3338.1150704351705	3144.907330421699	3035.5723015355893	3026.14871178997	993636735	118.7858028860197
352	306	226052	-139281.1413	9936937.3170250766	39.60288821741165	-101.2934469	103093.0707471446	4386207.238170999	3344.286477295636	3143.5091918944025	3033.76042310147	3023.422949	993636735	120.08624272296918
353	306	226053	-138621.1413	9936937.3170250766	39.60297786234588	-101.291106	103294.954268555	4386215.383	3340.448703891323	3142.122965217882	3032.6943511884256	3020.688323806654	993636735	119.51864134695817
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356	306	226056	-136641.1413	9936937.3170250766	39.603026029374064	-101.2840835	103897.1641683619	4386190.51212427	3327.447281255424	3138.021061	3028.1267945189534	3015.1158024397165	993636735	126.5034706340537
357	306	226057	-135981.1413	9936937.3170250766	39.60303536931106	-101.2817426	104098.187	4386186.880030346	3325.92076155628	3136.68365105296	3026.4631438493725	3008.838134395165	993636735	127.8622696677946
358	306	226058	-135321.1413	9936937.3170250766	39.603044664020681	-101.2794018	104299.2097282485	4386182.09070506	3324.408870167143	3135.3130782022174	3024.97047617129137	3007.9388271728844	993636735	130.3742510293872
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364	306	226064	-131361.1413	9936937.3170250766	39.60309494266791	-101.2653567	105505.34187193305	4386160.88013635	3308.67069801803	3127.5511255607	3017.569499176082	2996.52815972965	993636735	146.7801237989494
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368	306	226068	-128721.1413	9936937.3170250766	39.60313512397085	-101.2559393	106309.4205092193	4386142.11765735	3291.02410312114	3122.19192562882	3015.212712681177	2990.001240680292	993636735	157.950718825897
369	306	226069	-128061.1413	9936937.3170250766	39.60314382172576	-101.2536524	106510.44665784626	4386138.043265346	3287.132275858147	3120.9046653152627	3014.7958329635387	2990.1967905462386	993636735	160.1082821
370	306	226070	-127401.1413	9936937.3170250766	39.60315267333175	-101.2513116	106711.4671	4386133.94884998	3283.22142573539	3119.639138555304	3014.3296624136474	2990.132065067054	993636735	163.304761165643
371	306	226071	-126741.1413	9936937.3170250766	39.60316138016656	-101.2489707	106912.48726758454	4386129.97062798	3278.873214	3118.382946720562	3013.9637896230147	2990.363748205762	993636735	166.14158074601046
372	306	226072	-126081.1413	9936937.3170250766	39.60317004177906	-101.2466298	107113.5072897075	4386125.839935445	3274.087890257232	3117.3117564713	3013.3351715464173	2990.77537506	993636735	169.8019412841365
373	306	226073	-125421.1413	9936937.3170250766	39.60317760174054	-101.2442489	107321.660791314	4386121.77148425	3269.307187212094	3115.951315814728	3012.6943511884256	2990.264814813424	993636735	172.7327799310573
374	306	226074	-124761.1413	9936937.3170250766	39.603187723	-101.241841	107515.546692578	4386117.04922445	3264.571222145505	3114.61761197277	3012.038977846132	2990.001240680292	993636735	175.915109150502
375	306	226075	-124101.1413	9936937.3170250766	39.60319575253175	-101.2396073	107716.5663234376	4386113.69692338	3262.068009202349	3113.614502246195	3011.339147	2990.001240680292	993636735	178.95373523032
376	306	226076	-123441.1413	9936937.3170250766	39.60320423601862	-101.237264	107917.5855690097	4386109.33860735	3262.044811306349	3112.257292247937	3010.717794	2990.552762	993636735	181.53949872210387
377	306	226077	-122781.1413	9936937.3170250766	39.60321267152287	-101.2349525	108118.6046709404	4386105.503266451	3261.198522	3111.0621452976646	3010.0326800603784	2990.288935468183	993636735	184.1032766044815
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379	306	226079	-121461.1413	9936937.3170250766	39.60322940686006	-101.2302438	108520.6422690233	4386097.370497669	3263.8789100553	3108.69637437073	3008.27892001845	2999.5434744212544	993636735	190.11318692307162
380	306	226080	-120801.1413	9936937.3170250766	39.60323770674054	-101.227903	108721.660791314	4386094.84324364	3263.8789100553	3107.94517819637	3008.27892001845	2999.5434744212544	993636735	193.11318692307162
381	306	226081	-120141.1413	9936937.3170250766	39.60324596132143	-101.2256321	108922.6711826365	4386090.913	3261.751855319254	3106.3624589806543	3008.27892001845	2999.5434744212544	993636735	196.11318692307162
382	306	226082	-119481.1413	9936937.3170250766	39.60325417071642	-101.2232212	109123.697262103	4386085.137017068	3275.68758279622	3105.207599151785	3007.530117	2993.4847444292056	993636735	199.11318692307162
383	306	226083	-118821.1413	9936937.3170250766	39.6032623348849	-101.2208804	109324.71522037487	4386081.10763813	3278.69003104062	3104.05899616134	3006.723450680078	2991.1068654857325	993636735	202.1295131562895
384	306	226084	-118161.1413	9936937.3170250766	39.6032703834069	-101.2185395	109525.7239917635	4386077.04247822	3268.759027565436	3102.91576887423	3005.616584359294	2990.1568829766265	993636735	205.2295890170823
385	306	226085	-117501.1413	9936937.3170250766	39.60327852756955	-101.2161987	109726.750	4386072.978	3282.828025	3110.7762732131	3004.8857480283887	2997.5145983024922	993636735	208.26628639329
386	306	226086	-116841.1413	9936937.3170250766	39.60328655077226	-101.213875	109927.7676782804	4386068.914	3285.8919224153845	3104.034564361735	3004.29453916855	2995.5115367798934	993636735	211.3249250448791
387	306	226087	-116181.1413	9936937.3170250766	39.60329470435646	-101.2116169	110128.8169778454	4386064.98432464	3285.8919224153845	3103.45617981983	3003.925365219683	2994.1158241674395	993636735	214.3249250448791
388	306	226088	-115521.1413	9936937.3170250766	39.60330247747026	-101.2091761	110329.8021277608	4386060.984	3285.8919224153845	3102.96324103394	3003.265898065043	2993.253589041468	993636735	217.3249250448791
389	306	226089	-114861.1413	9936937.3170250766	39.60331037627394	-101.2068352	110530.81906027877	4386056.72003168	3286.1439547480163	3102.6622809502	3003.265898065043	2993.253589041468		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElevKgr.f	BREIElevKgr.ft	SatHtKgr.f	SatHtKgr.ft	
471	306	226171	-6071.14313	993697	31.70250766	-96.030830891559186	-107.0148827	327103.5892371937	438572.4226370343	3025.3643573182667	2986.589272542484	2911.073445993632	2910.708418	75.1582654615231	75.88085406
472	306	226172	-6080.14313	993697	31.70250766	-96.03081763050378	-107.0125418	327214.5914173436	438570.2108002426	3026.5306711713434	2984.4456904563343	2909.6893547634095	2908.1594269385	75.1802322242385	75.50537104040486
473	306	226173	-6092.14313	993697	31.70250766	-96.030811825078405	-107.0102029	327415.5842222183	438571.6134467252	3027.6686918698196	2983.1330474167865	2908.103535489996	2907.970344028937	75.1428703487654	75.50537104040486
474	306	226174	-5671.14313	993697	31.70250766	-96.030815974005094	-107.010786	3268.6159625858	438571.030033316	3028.1369801724527	2906.663472625516	2906.445196429652	2906.445196429652	74.723075470114	74.94146323248745
475	306	226175	-5810.14313	993697	31.70250766	-96.0308198	-107.0055191	32781.5969358572	438570.054432717	3030.0552120837977	2979.6717681432965	2904.8383193094814	2904.598742519706	74.8334623381506	75.07389389132595
476	306	226176	-5741.14313	993697	31.70250766	-96.03082393618749	-107.0031782	3280.181586441756	438570.045037103	3032.0680105191482	2905.71953678873	2905.71953678873	2905.71953678873	73.70379083883835	73.70379083883835
477	306	226177	-5671.14313	993697	31.70250766	-96.03082748944423	-107.0008373	3282.195977796496	438569.956296334	3037.127484746255	2905.5276682332027	2905.019240323014	2905.019240323014	73.75080081459711	73.72655034789171
478	306	226178	-5612.14313	993697	31.70250766	-96.03083171747795	-100.9848465	3284.20596105204	438569.912061765	3038.12998486233	2974.600930091023	2902.616445405576	2904.713177	75.72982546854473	69.88775215772713
479	306	226179	-5545.14313	993697	31.70250766	-96.03083554022686	-100.9691558	3286.2105533737	438569.86804987	3041.010907845	2972.336744167865	2903.022411120713	2903.0017154456523	75.7132295594879	69.88775215772713
480	306	226180	-5480.14313	993697	31.70250766	-96.03083917675364	-100.9638147	3288.0276371417	438569.82425169	3056.93086	2971.26389823143	2903.05148502115	2902.62593481425	75.7132295594879	69.88775215772713
481	306	226181	-5414.14313	993697	31.70250766	-96.030843050241046	-100.9514738	3290.023634646736	438568.780691124	3069.64335231335	2969.6437707186494	2902.695040045503	2901.2017301914754	75.7132295594879	69.88775215772713
482	306	226182	-5348.14313	993697	31.70250766	-96.030846737382675	-100.9691329	3292.046307914127	438567.793734283	3074.19413081	2961.05239746664	2901.27562147138	2901.27562147138	75.7132295594879	69.88775215772713
483	306	226183	-5282.14313	993697	31.70250766	-96.03085037930128	-100.986719	3294.254630409474	438567.69421584	3103.692717772776	2966.397427485048	2899.776982760224	2899.776982760224	75.7132295594879	69.88775215772713
484	306	226184	-5216.14313	993697	31.70250766	-96.0308537959965	-100.984451	3296.6248462888	438567.611320039	3098.5670907902775	2964.790249303321	2898.259202651307	2898.259202651307	75.7132295594879	69.88775215772713
485	306	226185	-5150.14313	993697	31.70250766	-96.03085724746534	-100.9821101	3298.6276049078295	438567.60846033	3042.422842647174	2963.192471641278	2898.775663065485	2898.775663065485	75.7132295594879	69.88775215772713
486	306	226186	-5084.14313	993697	31.70250766	-96.03086103371817	-100.979762	3300.084303332026	438563.56116278	3088.31785016279	2961.603707	2895.415485	2895.415485	75.7132295594879	69.88775215772713
487	306	226187	-5018.14313	993697	31.70250766	-96.0308648474518	-100.9774283	3302.094601064437	438569.59342818	3083.692741556264	2960.02168823356	2893.930953239473	2891.0447223304	75.7132295594879	69.88775215772713
488	306	226188	-4952.14313	993697	31.70250766	-96.030868791	-100.9750574	3302.043603523215	438565.819381917	3079.566961414272	2958.45013210173	2892.79965323886	2898.709648229905	75.7132295594879	69.88775215772713
489	306	226189	-4886.14313	993697	31.70250766	-96.03087218128725	-100.9727465	3306.316028706313	438565.40144271	3075.4009136872364	2958.863920515436	2891.30896457	2891.30896457	75.7132295594879	69.88775215772713
490	306	226190	-4820.14313	993697	31.70250766	-96.030874606485874	-100.9704056	3308.32056357006	438567.398575451	3071.3151231319	2955.32492951728	2889.89434726315	2885.70678632565	75.7132295594879	69.88775215772713
491	306	226191	-4754.14313	993697	31.70250766	-96.030877886195	-100.9680467	3310.031607021429	438564.357228727	3067.621959536657	2957.716511236167	2888.007010356289	2883.552502718993	75.7132295594879	69.88775215772713
492	306	226192	-4688.14313	993697	31.70250766	-96.03088112530094	-100.9657328	3312.034599626858	438563.316104082	3064.361398941764	2952.249852210617	2882.443142801871	2882.443142801871	75.7132295594879	69.88775215772713
493	306	226193	-4622.14313	993697	31.70250766	-96.03088496940414	-100.9634837	3314.05868718147	438562.2763871083	3061.010907845	2951.81469852346	2878.14591020481	2878.14591020481	75.7132295594879	69.88775215772713
494	306	226194	-4556.14313	993697	31.70250766	-96.0308874556333	-100.961042	3316.059714451473	438562.23421015	3057.840277540196	2949.137116102345	2883.53081712805	2879.841879611712	75.7132295594879	69.88775215772713
495	306	226195	-4490.14313	993697	31.70250766	-96.0308905492516	-100.9587011	3318.07359507888	438562.194	3054.596823886	2947.591358970283	2882.064464796305	2878.831410984155	75.7132295594879	69.88775215772713
496	306	226196	-4424.14313	993697	31.70250766	-96.03089360894367	-100.9563602	3320.083937074287	438562.13526176	3051.36977500176	2946.05404706389	2880.53393008013	2877.87111663708	75.7132295594879	69.88775215772713
497	306	226197	-4358.14313	993697	31.70250766	-96.03089681773907	-100.9540193	3322.091977448825	438561.913818245	3048.16311311926613	2944.500444915835	2879.161241	2876.89523200147	75.7132295594879	69.88775215772713
498	306	226198	-4292.14313	993697	31.70250766	-96.03089958113132	-100.9516714	3324.04589189159	438561.670490154	3044.163367845555	2942.968017580575	2877.545511514917	2875.796723461322	75.7132295594879	69.88775215772713
499	306	226199	-4226.14313	993697	31.70250766	-96.03090284960414	-100.9493578	3326.0586871087	438561.430449208	3042.244626	2941.415819203783	2876.62862319377	2876.62862319377	75.7132295594879	69.88775215772713
500	306	226200	-4160.14313	993697	31.70250766	-96.03090572796384	-100.9469586	3328.0589737035	438561.095100925	3040.128453745456	2939.73877140104	2874.064047114014	2873.350140495334	75.7132295594879	69.88775215772713
501	306	226201	-4094.14313	993697	31.70250766	-96.03090820689226	-100.9446557	3330.034826561383	438560.959574564	3038.012082	2938.3287378305004	2872.103947518205	2872.103947518205	75.7132295594879	69.88775215772713
502	306	226202	-4028.14313	993697	31.70250766	-96.03091098337025	-100.9423148	3332.047596898426	438560.891706839	3035.8957095396445	2872.103947518205	2871.151091155155	2871.151091155155	75.7132295594879	69.88775215772713
503	306	226203	-3962.14313	993697	31.70250766	-96.03091372082673	-100.9399739	3334.05562556155	438559.84386086	3033.041845843117	2930.229428354584	2870.428657068314	2870.369312345035	75.7132295594879	69.88775215772713
504	306	226204	-3896.14313	993697	31.70250766	-96.03091641306005	-100.937633	3336.0573534627	438559.739929783	3031.01766689037	2933.674374235707	2869.641896628857	2869.641896628857	75.7132295594879	69.88775215772713
505	306	226205	-3830.14313	993697	31.70250766	-96.0309190007071	-100.9352921	3338.0750292896	438559.610784748	3030.807925948894	2932.114747840856	2868.81109564921	2869.41738754566	75.7132295594879	69.88775215772713
506	306	226206	-3764.14313	993697	31.70250766	-96.0309216815713	-100.932912	3340.0856871087	438559.4763871083	3028.73043219378	2930.229428354584	2867.21214724464	2867.21214724464	75.7132295594879	69.88775215772713
507	306	226207	-3698.14313	993697	31.70250766	-96.03092421840293	-100.9306103	3342.09493	438559.3376877	3026.61190638158	2928.984742571571	2866.871323845866	2866.871323845866	75.7132295594879	69.88775215772713
508	306	226208	-3632.14313	993697	31.70250766	-96.0309267297615	-100.9282694	3344.05564445956	438559.2468304215	3027.9553752618272	2927.40496879174	2865.91720795614	2869.87175268745	75.7132295594879	69.88775215772713
509	306	226209	-3566.14313	993697	31.70250766	-96.03092931958781	-100.9259285	3346.0555604701	438559.10755705	3025.328884184373	2925.828482168253	2865.2586173574	2865.2586173574	75.7132295594879	69.88775215772713
510	306	226210	-3500.14313	993697	31.70250766	-96.03093161773124	-100.9235876	3348.05515752515	438559.61325099	3018.842313007168	2924.2443277407447	2864.1107369781694	2864.1107369781694	75.7132295594879	69.88775215772713
511	306	226211	-3434.14313	993697	31.70250766	-96.03093392444134	-100.9212466	3350.053475020036	438559.621138944	3016.823755358335	2922.65735358335	2862.9848510138944	2862.9848510138944	75.7132295594879	69.88775215772713
512	306	226212	-3368.14313	993697	31.70250766	-96.03093632289158	-100.9189057	3352.05425651216	438559.54	3014.2236854871207	2921.0648105165	2861.843565245633	2861.843565245633	75.7132295594879	69.88775215772713
513	306	226213	-3302.14313	993697	31.70250766	-96.03093872916852	-100.916582	3354.058479019	438559.4079819	3012.4236854871207	2919.584379019	2860.75890239429	2860.75890239429	75.7132295594879	69.88775215772713
514	306	226214	-3236.14313	993697	31.70250766	-96.03094085	-100.9142239	3356.05371570515	438559.447529893	3010.483217128567	2917				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevLogsKrg.ft	SatHtLogs.ft	SatHtBm.ft
597	596	226297	22418.85867307335	993697.3170250766	39.03698911985531	-100.7199285	352338.2430441871	4385216.232208909	2944.5008642060106	274.817609764919	274.817669449341	274.001253691391585	47.09990431467795	54.792240486037
598	597	226298	22417.85867307335	993697.3170250766	39.0369756109979	-100.7197875	352339.5899653056	4385212.14755564	2940.584678788654	274.717048210106	274.8174878432564	273.747835915206	48.8427508358915	56.8425081500433
599	598	226299	22416.85867307335	993697.3170250766	39.0369653161207	-100.7152466	352340.184642745	4385219.13614298	2934.97216826939	274.568216826324	274.8174878432564	273.747835915206	51.0138412364849	56.8425081500433
600	599	226300	22439.85867307335	993697.3170250766	39.0369634079194	-100.7129057	352341.557850433	4385204.179974154	2927.689403	274.283696270559	274.1048627426132	273.1358478170514	53.2350364937676	57.1478140974015
601	600	226301	22508.85867307335	993697.3170250766	39.03696213493756	-100.7105648	353142.5368616228	4385200.136035163	2930.64064963431	274.0458714777	273.874261500609	273.3528137523987	50.525612964792	58.6594133956721
602	602	226302	22517.85867307335	993697.3170250766	39.03696173845224	-100.7082239	353343.5169363935	4385196.146257308	2913.0658518072	273.79090587116	273.698904582477	273.2670311867428	58.0902017436394	60.5205049068676
603	603	226303	22508.85867307335	993697.3170250766	39.0369608897341	-100.705883	353544.5009054609	4385192.12937056	2906.15500529654	273.93502657120023	273.9290827103005	273.06192267710305	60.525612964792	62.443304321912
604	604	226304	27038.85867307335	993697.3170250766	39.03695725887835	-100.7034291	353745.487231299	4385188.113424959	2906.638503560123	273.939229751065	273.927461773715	272.8304457139586	60.525612964792	64.2489746114786
605	605	226305	27098.85867307335	993697.3170250766	39.03695633654905	-100.7012015	353846.4645249635	4385184.997	2898.12359186589	273.921278325722	272.7238412527865	272.619688975706	60.525612964792	66.1066874800165
606	606	226306	28358.85867307335	993697.3170250766	39.036954362018509	-100.6989603	354147.4458549033	4385180.108147309	2896.046896011056	273.9240171782685	272.619687955054	272.38403363747	61.016815786531	66.1066874800165
607	607	226307	29018.85867307335	993697.3170250766	39.03695145725372	-100.6965194	354348.4271966055	4385176.06583471	2874.6828151478855	273.9189423705828	272.3123920234676	272.18192069043	61.016815786531	68.79120445
608	608	226308	29678.85867307335	993697.3170250766	39.03694946625567	-100.6941785	354549.0480406388	4385172.050413435	2873.182651	273.283169184625	272.9597308131706	271.6746856018624	70.7839337145436	71.40848358267253
609	609	226309	30338.85867307335	993697.3170250766	39.036947430054404	-100.6918376	354750.389472032	4385168.025312702	2871.73065	273.0518613110353	271.7498232788873	271.64271089188123	70.7839337145436	72.8765039225125
610	610	226310	30998.85867307335	993697.3170250766	39.03694532619886	-100.6894967	354961.3704076037	4385164.02034192	2870.2912568142021	272.9845026336776	271.6100974255959	271.1591821738573	70.7839337145436	74.36860452081957
611	611	226311	31658.85867307335	993697.3170250766	39.03694318196215	-100.6871558	355152.1578193456	4385160.054617138	2869.36078368349	273.271751870344	271.722603338862	271.6333018	70.7839337145436	75.5002593249889
612	612	226312	32318.85867307335	993697.3170250766	39.03694190090121	-100.6848148	355353.331849638	4385156.990091128	2870.882105152472	273.271751870344	271.722603338862	271.6333018	70.7839337145436	76.4004291273121
613	613	226313	32978.85867307335	993697.3170250766	39.03693875297073	-100.6824739	355554.312616798	4385151.97623153	2871.758074121645	273.271751870344	271.722603338862	271.6333018	70.7839337145436	77.1026247470008
614	614	226314	33638.85867307335	993697.3170250766	39.03693674064967	-100.680133	355755.2927	4385146.5825208	2872.63341318183	273.271751870344	271.722603338862	271.6333018	70.7839337145436	77.6056419149328
615	615	226315	34298.85867307335	993697.3170250766	39.03693414309907	-100.6777921	355956.272668847	4385143.94854279	2871.073262154264	273.271751870344	271.722603338862	271.6333018	70.7839337145436	78.0257201125394
616	616	226316	34958.85867307335	993697.3170250766	39.036931737025254	-100.6754512	356157.2530643865	4385139.83505129	2870.161079515426	273.271751870344	271.722603338862	271.6333018	70.7839337145436	78.50127197318
617	617	226317	35618.85867307335	993697.3170250766	39.03692932328244	-100.6731103	356358.233	4385135.91569485	2869.97310910284	273.271751870344	271.722603338862	271.6333018	70.7839337145436	78.9286121
618	618	226318	36278.85867307335	993697.3170250766	39.036926989107	-100.6707894	356559.2128403905	4385131.65858515	2869.03303170147	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.101493447614
619	619	226319	36938.85867307335	993697.3170250766	39.03692465559247	-100.6684678	356759.162007125	4385127.9895125	2868.1021783683	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.2735816458427
620	620	226320	37598.85867307335	993697.3170250766	39.0369218265908	-100.6660676	356961.1720643524	4385123.883	2852.89057682377	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.4486132738862
621	621	226321	38258.85867307335	993697.3170250766	39.03691922810834	-100.6637467	357162.1154688294	4385118.87051596	2848.145054780497	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.620814746961
622	622	226322	38918.85867307335	993697.3170250766	39.03691658	-100.6614058	357363.1307379096	4385115.857724547	2845.39133426417	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.792814746961
623	623	226323	39578.85867307335	993697.3170250766	39.0369138465929	-100.6590649	357564.109688802	4385111.845076134	2844.07570470526	273.271751870344	271.722603338862	271.6333018	70.7839337145436	79.963814746961
624	624	226324	40238.85867307335	993697.3170250766	39.03691116009998	-100.656724	357765.088627063	4385107.834	2834.374684188434	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.13476814746961
625	625	226325	40898.85867307335	993697.3170250766	39.03690863177558	-100.6543827	357966.0677198348	4385103.9286947	2828.25363827179	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.3061476814746961
626	626	226326	41558.85867307335	993697.3170250766	39.03690555217058	-100.6520422	358174.04440302	4385100.81025738	2822.172885494397	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.477814746961
627	627	226327	42218.85867307335	993697.3170250766	39.0369028503342	-100.6497013	358368.0205457014	4385096.7940337	2817.58183033247	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.64936895972864
628	628	226328	42878.85867307335	993697.3170250766	39.03689976613326	-100.6473044	358569.0034726062	4385091.78480136	2814.506379042997	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.820814746961
629	629	226329	43538.85867307335	993697.3170250766	39.03689681	-100.6450195	358769.9817846784	4385087.77621232	2811.4194433561406	273.271751870344	271.722603338862	271.6333018	70.7839337145436	80.991814746961
630	630	226330	44198.85867307335	993697.3170250766	39.0368933035664	-100.6426785	358970.960600974	4385083.76709521	2808.33248691635	273.271751870344	271.722603338862	271.6333018	70.7839337145436	81.162814746961
631	631	226331	44858.85867307335	993697.3170250766	39.03689075195352	-100.6403376	359171.9381016854	4385079.79672057	2806.092819859219	273.271751870344	271.722603338862	271.6333018	70.7839337145436	81.333814746961
632	632	226332	45518.85867307335	993697.3170250766	39.03688765559247	-100.6379967	359372.161007125	4385075.74830214	2804.25194714784	273.271751870344	271.722603338862	271.6333018	70.7839337145436	81.504814746961
633	633	226333	46178.85867307335	993697.3170250766	39.036884851402334	-100.6356558	359578.7805787	4385071.3785087	2802.37882833682	273.271751870344	271.722603338862	271.6333018	70.7839337145436	81.675814746961
634	634	226334	46838.85867307335	993697.3170250766	39.03688132723392	-100.6333149	359774.741128138	4385067.77029331	2800.8632511943	273.271751870344	271.722603338862	271.6333018	70.7839337145436	81.846814746961
635	635	226335	47498.85867307335	993697.3170250766	39.03687856521881	-100.630974	359975.848913475	4385063.71753892	2798.62562332402	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.017814746961
636	636	226336	48158.85867307335	993697.3170250766	39.036875817982046	-100.6286331	360176.8263	4385059.78339298	2796.479977735604	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.188814746961
637	637	226337	48818.85867307335	993697.3170250766	39.03687314955229	-100.6262922	360377.8031114487	4385055.6993525	2807.520731732904	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.359814746961
638	638	226338	49478.85867307335	993697.3170250766	39.03686917283904	-100.6239151	360578.7805787	4385051.6903258	2810.047426599153	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.530814746961
639	639	226339	50138.85867307335	993697.3170250766	39.0368663444475	-100.6215322	360779.7605787	4385047.182833682	2812.07788481186	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.701814746961
640	640	226340	50798.85867307335	993697.3170250766	39.03686215680376	-100.6191293	360978.7805787	4385043.1306056	2814.077814737435	273.271751870344	271.722603338862	271.6333018	70.7839337145436	82.872814746961
641	641	226341	51458.85867307335	99369										

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BR ElevLogKrg	BR ElevLogKrg	SatHLogKrg	SatHLogKrg
723	306	226423	106728.85867307335	993697.3170250766	39.60341658528005	-100.42498757	377661.36576531763	4384711.749280411	2740.2033108136957	2599.726214769144	2565.1473166188225	2564.8064428831008	34.57898915232147
724	306	226424	106738.85867307335	993697.3170250766	39.60340932845195	-100.42263439	377862.330294837	4384707.759411298	2729.687160408597	2563.5581695482264	2563.644391317031	2564.5862320509592	34.57224136
725	306	226425	106808.85867307335	993697.3170250766	39.60340263263813	-100.420264	378053.7891743805	4384703.7891743805	2718.172652000194	2562.8913811914146	2563.2714226863071	2563.31827428263216	33.53719323343293
726	306	226426	106728.85867307335	993697.3170250766	39.6033769108895	-100.41763813	378264.2641390885	4384699.78037938	2595.7637325991883	2595.148397330896	2561.541900407089	2562.641726733624	33.60648798
727	306	226427	108218.85867307335	993697.3170250766	39.60338726660748	-100.4156123	378465.23405053334	4384695.912222160	2700.1947288072953	2593.5870584080776	2560.096300065454	2560.7619719308813	33.49642840342222
728	306	226428	108878.85867307335	993697.3170250766	39.60337948883394	-100.4132714	378666.19627065334	4384691.801226644	2693.784867613352	2592.00692081345	2558.62351703046	2559.349687915465	33.456128290414
729	306	226429	109538.85867307335	993697.3170250766	39.60337236593824	-100.409395	378867.1620312468	4384687.813527923	2687.3750124240057	2590.407573286503	2557.1077491627184	2557.7857413326625	33.237100416271915
730	306	226430	110198.85867307335	993697.3170250766	39.60336487770414	-100.408398	379068.1276711224	4384683.825011221	2680.961524354604	2588.79096108026	2555.251355004196	2555.6347110330034	33.063471399602384
731	306	226431	110858.85867307335	993697.3170250766	39.60337625480485	-100.406488	379269.9831962244	4384678.78179129	2687.1107176179129	2587.1538140130584	2553.1169367927	2553.4419364626565	33.0169364626565
732	306	226432	111518.85867307335	993697.3170250766	39.6033496547848	-100.403079	379470.058064504	4384675.849	2685.4984277010235	2586.246751012416	2548.925835427003	2547.251676889074	36.5725315831519
733	306	226433	111158.85867307335	993697.3170250766	39.60334198193436	-100.401567	379677.10239011157	4384670.86078098	2674.509980316253	2583.8261529816326	2543.6279858712267	2543.19769967344	36.698327712719285
734	306	226434	112838.85867307335	993697.3170250766	39.60332472876236	-100.3992262	379871.989034092	4384667.87144024	2673.08024079785	2582.140091183715	2538.558783515223	2538.051341309435	37.18817766849214
735	306	226435	113498.85867307335	993697.3170250766	39.60332651860002	-100.3968583	380072.5415055193	4384661.7512061193	2671.1520611934	2580.42854765014	2533.1607938232928	2532.08626877116	37.36150252571126
736	306	226436	114158.85867307335	993697.3170250766	39.60331871909978	-100.394444	380273.9191037434	4384659.89360059	2668.336170735254	2578.732028347539	2527.6889585325653	2527.6068136012827	51.04306251488292
737	306	226437	114818.85867307335	993697.3170250766	39.60331087437749	-100.3923206	380474.8893431911	4384659.911552499	2658.529709382589	2577.00873237308	2522.3256014364797	2522.186902240493	54.8219299898484
738	306	226438	115478.85867307335	993697.3170250766	39.6033028443323	-100.3898627	380675.9486909636	4384651.924795748	2662.705430046817	2575.27089847138	2515.05872706848	2517.7117840609	57.2171157002965
739	306	226439	116138.85867307335	993697.3170250766	39.60329504956987	-100.3875218	380878.813281673	4384647.93824942	2657.87698381329	2573.538921071413	2513.072924758904	2513.076706740612	60.46382598532555
740	306	226440	116788.85867307335	993697.3170250766	39.60328706887474	-100.385181	381077.777711172	4384643.951941024	2665.1404757835595	2571.744075042516	2510.60488599473	2510.123455322546	61.6713708418004
1	307	226441	-370941.1413	994357.3170250766	39.58665677697299	-102.1150575	323524.54068476142	4387851.727249078	3725.252197813143	3609.480222387964	3541.663475239388	3545.681134868334	63.791847100410618
2	307	226442	-370281.1413	994357.3170250766	39.58689116939695	-102.112717	323725.6436068013	4387845.771586094	3711.1212121295475	3607.37173722417	3538.881943265846	3543.9547256809146	68.848299
3	307	226443	-369621.1413	994357.3170250766	39.5871611661565	-102.1103765	323926.74776394916	4387843.402658672	3703.28741213107	3605.28765924754	3542.4600262374253	3543.9827291673164	69.274795500603
4	307	226444	-368961.1413	994357.3170250766	39.5867418612605	-102.108306	3239127.850596415	4387839.27	3689.463055619997	3604.747637630563	3539.3573598754	3540.5623496415787	68.8902496770215
5	307	226445	-368691.1413	994357.3170250766	39.590012295267	-102.1075698	323945.6699979848	4387835.11847893	3685.637917122963	3603.749490742596	3537.262027788104	3540.8602985852726	68.8902985852726
6	307	226446	-367641.1413	994357.3170250766	39.5876222698917	-102.103355	323350.0554870788	4387830.992332639	3661.814340255973	3602.8716987058	3540.878759	3542.018094479687	59.9034103825781
7	307	226447	-366881.1413	994357.3170250766	39.58881745337052	-102.101014	323731.15884751028	4387831.99196991	3645.09876189373	3599.055753184754	3539.890454252626	3540.915628932188	58.13666895127062
8	307	226448	-366321.1413	994357.3170250766	39.5884254753183	-102.0986739	323932.2610835394	4387822.669691304	3648.491975692833	3597.3272664057	3538.79684020113	3539.470164939897	58.3538676020381
9	307	226449	-365661.1413	994357.3170250766	39.58868765048211	-102.0963334	324133.3629555176	4387815.81923310	3645.885185195903	3595.6135523198745	3539.474396283152	3537.864564760073	56.13915604
10	307	226450	-365001.1413	994357.3170250766	39.588982611221265	-102.0938929	324334.46456435625	4387814.370451747	3642.2733969491713	3593.89858971656	3538.30328738892	3536.771923234614	55.95303858272293
11	307	226451	-364341.1413	994357.3170250766	39.58891766674957	-102.0918254	324335.6699979848	4387810.221353172	3639.637917122963	3593.749490742596	3537.262027788104	3540.8602985852726	56.13915604
12	307	226452	-363681.1413	994357.3170250766	39.589123365716	-102.0893118	324738.6699920956	4387812.97457178	3642.077259610045	3598.703386040152	3538.04350640152	3541.93459507176	58.8712096
13	307	226453	-363021.1413	994357.3170250766	39.589676502171575	-102.0869713	324537.776171904	4387801.923775313	3678.725988584074	3588.764899413158	3534.645665	3541.339234421184043	56.70232756714954
14	307	226454	-362361.1413	994357.3170250766	39.58989325065785	-102.0846308	324538.18366838748	4387779.737340875	3695.4314024746044	3587.095491468554	3533.560177689253	3531.021303774053	56.07476169
15	307	226455	-361701.1413	994357.3170250766	39.59091715674865	-102.0822902	325359.6686632915	4387783.627124977	3706.049082824073	3585.451236123034	3532.483983047522	3532.04619438561	55.92329277668824
16	307	226456	-361041.1413	994357.3170250766	39.590941916220145	-102.0799497	325341.98989626494	4387778.49	3711.5847247186002	3583.7442751253143	3531.034629700076	3527.59692653425	52.799613536064
17	307	226457	-360381.1413	994357.3170250766	39.59096063400716	-102.0778928	325742.16849595048	4387775.331668005	3719.597700959304	3582.6834504750205	3528.009634758805	3528.9566474234192	53.1267976400218
18	307	226458	-359721.1413	994357.3170250766	39.591023365716	-102.0759281	326144.36722143093	438776.831962	3724.7338294824928	3578.7939284829	3525.7034590403258	3540.90440625598	53.08956472862939
20	307	226460	-358401.1413	994357.3170250766	39.5914050199111	-102.0705876	326345.460269882	4387772.89432526	3677.166317533197	3577.166317533197	3523.85829462232	3522.521049561182	53.08956472862939
21	307	226461	-357741.1413	994357.3170250766	39.5916505340486	-102.068247	326356.5648313846	438776.912561002	3721.9790112485285	3575.50884032333	3521.640663382314	3521.500465769591	53.08956472862939
22	307	226462	-357081.1413	994357.3170250766	39.5918952360696	-102.065905	326747.6633947768	4387764.596	3720.6184001776374	3573.9482342350534	3520.06839518491	3520.240922	53.08956472862939
23	307	226463	-356421.1413	994357.3170250766	39.592133669729	-102.0636599	326948.7615971848	4387765.9148913671	3732.361270584794	3572.361270584794	3518.2349034707672	3518.2349034707672	53.08956472862939
24	307	226464	-355761.1413	994357.3170250766	39.5922383457987	-102.061254	326948.7615971848	4387765.9148913671	3732.361270584794	3572.361270584794	3518.2349034707672	3518.2349034707672	53.08956472862939
25	307	226465	-355101.1413	994357.3170250766	39.5923383457987	-102.0595443	327552.054821856	4387761.01163853	3748.36392605145	3567.707729238453	3513.27148240373	3513.27148240373	53.08956472862939
26	307	226466	-354441.1413	994357.3170250766	39.5931128644045	-102.0564208	327753.1518048587	4387761.01163853	3748.36392605145	3567.707729238453	3513.27148240373	3513.27148240373	53.08956472862939
27	307	226467	-353781.1413	994357.3170250766	39.5933128644045	-102.0542038	327753.1518048587	4387761.01163853	3748.36392605145	3567.707729238453	3513.27148240373	3513.27148240373	53.08956472862939
28	307	226468	-353121.1413	994357.3170250766	39.59350350337145	-102.0518632	327954.2487063673	4387779.386612967	3711.166982260504	3564.700215541698	3510.1082606800142	3512.787123905583	54.91944623705514
29	307	226469	-352461.1413	994357.3170250766	39.593595709041	-102.0495227	328155.345405083	438777.85	3707.67489573844	3563.225505081267	3508.382072879545	3511.497769317978	54.91944623705514
30	307	226470	-351801.1413	994357.3170250766	39.5938301159735	-102.0471821	328355.4471318073	4387731.4309632685	3712.78279424171	3561.770617444154	3506.564769667272	3515.77671755737	54.91944623705514
31	307	226471	-351141.1413										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatHtKgr.f	SatHtBoth.f
109	307	226549	-299661.1413	994357.3170250766	39.60114692173635	-101.8622737	254242.25433404066	43874004.720505211	3699.1952390690404	3532.7402311111734	3380.9817970615386	3374.384230658705	71.7522264934383	78.34979245248589
110	307	226550	-299601.1413	994357.3170250766	39.601167413135316	-101.859933	254443.3306359583	4387400.57520693	3697.3225669876	3541.29846572277	3379.601117	3369.848352323119	71.6973071765866	81.050842414519
111	307	226551	-298481.1413	994357.3170250766	39.6011879363	-101.857693	254446.407025133	4387400.57520693	3698.5498489497	3449.841152730984	3378.4174633063	3366.446135270937	71.696861999287	81.04183186472
112	307	226552	-297681.1413	994357.3170250766	39.60120831428655	-101.855217	254845.4825320984	4387392.32267489	3693.91924064953	3448.49619204853	3377.3506250429684	3366.074961040683	71.1489941749683	82.44565817981702
113	307	226553	-297021.1413	994357.3170250766	39.60122686803876	-101.852911	255046.55810134058	4387388.19677818	3692.297237	3447.140128619514	3376.198481229289	3363.563072228493	70.9425163	83.57800653
114	307	226554	-296361.1413	994357.3170250766	39.6012490146575316	-101.8505703	255247.6343765496	4387384.079033278	3690.628571	3445.812214514515	3374.853937359343	3362.171521789461	70.962605151724	83.69470156199031
115	307	226555	-295701.1413	994357.3170250766	39.60126928998614	-101.8482296	255448.70835217444	4387379.945177051	3689.221412400618	3444.5142563075906	3373.782079153383	3359.7769580486	70.3217715420742	84.73566122
116	307	226556	-295041.1413	994357.3170250766	39.60128953801254	-101.845889	255649.7833810852	4387379.945177051	3688.105121313046	3442.74285327145	3372.32742878884	3359.59815866005	70.91994245	83.64912964370933
117	307	226557	-294381.1413	994357.3170250766	39.601309739090624	-101.843483	255850.8596961548	4387379.945177051	3687.19691461	3442.018525027707	3370.94856315863	3360.14872659274	71.6196868989287	81.041646999287
118	307	226558	-293721.1413	994357.3170250766	39.60132989	-101.8412076	256051.9324699442	4387367.65657176	3685.7116955316	3440.802103846134	3369.073046176955	3358.43810211155	71.7136336770783	82.3652017247589
119	307	226559	-293061.1413	994357.3170250766	39.60134989103175	-101.8388669	256253.0056964052	4387363.44749396	3684.4178828918	3338.8162531318154	3367.682423122861	3351.8250344562325	71.7635800385443	87.7932166758292
120	307	226560	-292401.1413	994357.3170250766	39.60137003273494	-101.8365262	256454.00480505502	4387359.20262282	3682.9947860261	3438.45122649271	3365.2618348042356	3347.59614866645	73.1839196845645	90.85507783
121	307	226561	-291741.1413	994357.3170250766	39.60139005	-101.8341856	256655.1541331489	4387353.195565367	3681.581170746036	3437.297395059218	3362.726642824267	3347.357818069076	73.1839196845645	89.9354009084516
122	307	226562	-291081.1413	994357.3170250766	39.60140110119124	-101.831849	256856.2270408902	4387351.018713645	3680.1636630147	3436.153836348053	3359.567333366007	3346.890489160377	75.8680239415476	89.263367201546
123	307	226563	-290421.1413	994357.3170250766	39.60142998702935	-101.8295042	257057.3007484524	4387349.984801708	3678.7996711493616	3435.017644	3356.993916658682	3346.586972631217	78.023375945826	88.41897138223294
124	307	226564	-289761.1413	994357.3170250766	39.60144981508071	-101.8271635	257259.37363615673	4387342.824385752	3677.398881574495	3433.885147	3355.0409630272443	3345.920313382148	78.8360486	87.9648370963142
125	307	226565	-289101.1413	994357.3170250766	39.601469646243414	-101.8248228	257459.46432408922	4387338.700799567	3676.823311989738	3432.7538491066925	3352.327286674036	3344.8243835052173	80.4626643256674	87.9293657461425
126	307	226566	-288441.1413	994357.3170250766	39.60148943218799	-101.8224821	257650.51877249036	4387334.7597798546	3674.6758624234257	3431.624718900915	3349.83602	3343.92472695964	81.7886909690047	88.131442004413
127	307	226567	-287781.1413	994357.3170250766	39.60150917291737	-101.8201414	257861.59008158526	4387330.454842678	3673.1647671936725	3430.504322212672	3347.4413534247446	3343.0496521453315	83.06078792752	87.4517806734048
128	307	226568	-287121.1413	994357.3170250766	39.6015288684306	-101.8178007	258062.6269156203	4387326.32111964	3671.49508306476	3429.38105909215	3345.165813966131	3342.104995916225	82.07219113308402	87.27810912829527
129	307	226569	-286461.1413	994357.3170250766	39.60154851872754	-101.81546	258263.734662321	4387322.21	3669.845045252807	3428.269201713702	3343.08034336875	3341.421473794386	85.1883682793458	86.84772792
130	307	226570	-285801.1413	994357.3170250766	39.60156812280233	-101.8131193	258464.801700202	4387318.07	3668.19172548108	3427.159635117329	3341.1595252950033	3340.486017452276	86.186376272683	86.6736405495386
131	307	226571	-285141.1413	994357.3170250766	39.60158747207676	-101.810783	258682.2995259598	4387313.958570637	3667.179967137897	3419.6002157142467	3339.14658261326	3339.040171728585	84.401515067534	85.852462072636
132	307	226572	-284481.1413	994357.3170250766	39.60160718320615	-101.808438	258896.344446675	4387309.84340046	3663.561132307403	3418.559595394957	3338.835696326439	3337.953753284542	88.120095680591	87.900621099715
133	307	226573	-283821.1413	994357.3170250766	39.6016266675223	-101.8060973	259068.0192219377	4387305.71833365	3661.96341108515	3423.864393632287	3334.6885374028493	3333.967544928186	87.98668471004283	87.98668471004283
134	307	226574	-283161.1413	994357.3170250766	39.60164609196424	-101.803756	259269.08976160336	4387301.6	3658.4881299123267	3422.781773798445	3332.68584096915	3334.49719056725	90.0953283153026	88.28458323
135	307	226575	-282501.1413	994357.3170250766	39.60166547096613	-101.8014159	259470.16036658	4387297.479300511	3656.731896879484	3421.78003356481	3330.7689589397474	3332.9093014249381	88.7643036	88.7643036
136	307	226576	-281841.1413	994357.3170250766	39.6016840474037	-101.7990752	259671.2301280475	4387293.36837078	3655.7593200673	3420.648121401035	3328.935426734653	3331.36024004001	91.7119446638028	89.2588139763451
137	307	226577	-281181.1413	994357.3170250766	39.60170406331483	-101.7967456	259872.2995259598	4387289.6966026	3654.779967137897	3419.6002157142467	3327.190171285263	3329.14658261326	91.7119446638028	89.2588139763451
138	307	226578	-280521.1413	994357.3170250766	39.6017236736584	-101.794337	260073.3695454956	4387285.17186397	3653.040500727135	3418.559595394957	3326.1447748293226	3327.121392038	92.43054846376045	91.4250475786265
139	307	226579	-279861.1413	994357.3170250766	39.60174253479569	-101.792053	260274.4389898458	4387280.997	3652.1818769049	3417.56074764184	3324.590697189785	3325.687097662483	92.9845737436361	91.8889771
140	307	226580	-279201.1413	994357.3170250766	39.6017618771154	-101.7897123	260475.50801554887	4387277.71863923	3649.913866829982	3416.6064984390737	3323.32090815507	3323.530296899113	93.2840762	93.07120574916235
141	307	226581	-278541.1413	994357.3170250766	39.60178078	-101.7873716	260676.57899582326	4387272.757	3647.6453011626045	3415.669806004543	3322.0246845894562	3321.259871056894	93.6452831450865	94.0109696746898
142	307	226582	-277881.1413	994357.3170250766	39.60179985789313	-101.7850309	260877.645538727	4387268.63181502	3645.7301769139495	3414.786822501372	3320.8276109089065	3319.4315226115765	95.73025720477427	
143	307	226583	-277221.1413	994357.3170250766	39.601818875158806	-101.7826802	261078.73	4387264.51816446	3643.224515426253	3413.802648075985	3318.7268918765853	3317.83723243993	94.717693011116	95.92916246636035
144	307	226584	-276561.1413	994357.3170250766	39.60183847207676	-101.780345	261279.782111443	4387260.39803419	3641.71445873248	3413.017445873248	3317.545781965349	3316.401515067534	96.852462072636	
145	307	226585	-275901.1413	994357.3170250766	39.60185877403724	-101.7780058	261480.5950572086	4387256.2801305195	3638.15109730089	3412.2279098020526	3317.06988986885	3316.12818643414	96.852462072636	95.92916246636035
146	307	226586	-275241.1413	994357.3170250766	39.6018756556489	-101.7756811	261681.9175792642	4387252.161451234	3637.1413882370403	3411.503147620554	3315.77526329177	3316.299228309594	94.7278439142821	95.2291919298599
147	307	226587	-274581.1413	994357.3170250766	39.60189448205314	-101.773273	261882.9852339405	4387248.0296959	3635.20677772405	3410.754519925956	3315.931632345166	3315.50320715162	95.2291919298599	95.2291919298599
148	307	226588	-273921.1413	994357.3170250766	39.60191332323445	-101.7709866	262084.0524594516	4387243.92476786	3633.428249406771	3410.0307510051957	3315.211873259573	3314.923858675509	94.8188774273975	95.10689233
149	307	226589	-273261.1413	994357.3170250766	39.60193202919877	-101.7686459	262285.1194511825	4387239.80673408	3631.64971941136	3409.38116192951	3314.31610656312	3314.81991598832546	95.03193598832546	94.92491024204722
150	307	226590	-272601.1413	994357.3170250766	39.601951607294612	-101.7663302	262486.186129491	4387235.68894119	3629.871193175502	3408.615102709855	3313.839051485076	3314.7104352059598	94.796672250963	93.9045881952896
151	307	226591	-271941.1413	994357.3170250766	39.6019703876584	-101.764037	262687.2547401371	4387231.6	3627.91717974	3407.6002157142467	3312.957272563645	3313.745781965349	94.717693011116	95.92916246636035
152	307	226592	-271281.1413	994357.3170250766	39.6019897957895	-101.7617327	262888.319032304	4387227.45100472	3626.70185022358	3407.22069023407	3312.957272563645	3313.745781965349	94.717693011116	95.92916246636035
153	307	226593	-270621.1413	994357.3170250766	39.6020056808761	-101.759283	263089.389024429	4387223.337	3626.515128881273					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogKrg.ft	BRIEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
235	20675	226675	-216501.1413	994357.3170250766	39.6037502166158	-101.5673399	279576.0256216007	3486886.499280084	3147.350094975965	3181.971197336577	3144.978909483247	3142.1321761750075	3173.9226888333292	176.83642997656013
236	20676	-215841.1413	994357.3170250766	39.6033963531984	-101.5649991	279170.0728606796	3486882.400487167	3416.293331693165	3171.6283253299157	3153.072967149483	3143.4259612394963	3162.5553581804329	164.19874040002404	164.19874040002404
237	20677	-215181.1413	994357.3170250766	39.6034960355627	-101.5626863	278978.1201231054	3486883.902267187	3416.236659147564	3168.2914225313284	3161.982369813926	3161.0542033132388	3154.39813305662197	158.23721923735325	158.23721923735325
238	20678	-214521.1413	994357.3170250766	39.603419321676835	-101.5603175	278709.167104910155	3486874.204587101	3414.17796172563	3143.95206281532	3165.4503617532	3149.0199535642905	3140.0199535642905	149.0199535642905	149.0199535642905
239	20679	-213861.1413	994357.3170250766	39.603433988175525	-101.5579767	280380.23175885885	3486870.107	3415.71782719424	3133.60750633181	3168.361300867472	3170.181390624215	3165.24620552460238	141.56637117089588	141.56637117089588
240	20680	-213201.1413	994357.3170250766	39.60344862925431	-101.5556359	280581.2602555849	3486866.009231724	3412.250538248696	3169.450045575315	3171.9314184	3142.800947631154	3140.800947631154	134.10163541734707	134.10163541734707
241	20681	-212541.1413	994357.3170250766	39.60346331151316	-101.553295	280722.306	3486861.91189493	3423.9834704547057	3167.877963221048	3169.7985711964457	3169.331204378853	3141.0739302406238	141.5663711731627	141.5663711731627
242	20682	-211881.1413	994357.3170250766	39.60347775575203	-101.5509452	280983.35259277595	3486857.614782552	3428.11631696395	3309.4853280766	3169.437817296513	3168.967033031493	3140.0467255412509	140.25750624927	140.25750624927
243	20683	-211221.1413	994357.3170250766	39.60349460355627	-101.5486134	281184.396839639	3486853.717884401	3438.981389127854	3168.2914225313284	3161.982369813926	3161.0542033132388	3154.39813305662197	138.24539562957123	138.24539562957123
244	20684	-210561.1413	994357.3170250766	39.60350761036977	-101.5462726	281385.4440710155	3486849.621230513	3432.598924050929	3306.523500104503	3167.987622496332	3167.588711602316	3168.638776	139.02485294427125	139.02485294427125
245	20685	-209901.1413	994357.3170250766	39.60352110356599	-101.5439818	281586.485687397	3486845.2748893	3434.209718883547	3165.10595731972	3166.7148548338513	3166.495356948716	3148.4302411333459	136.8179302448143	136.8179302448143
246	20686	-209241.1413	994357.3170250766	39.60353546611442	-101.5415909	281767.5347898173	3486841.42833559	3435.820514	3303.648025508583	3165.219343572026	3165.2963194387273	3148.4268919570533	138.3496309218215	138.3496309218215
247	20687	-208581.1413	994357.3170250766	39.60354978065302	-101.5392501	281988.5777117127	3486837.333	3436.8290029844	3302.112541659813	3164.681071336814	3161.397191388227	3147.4317992451668	140.2575062369979	140.2575062369979
248	20688	-207921.1413	994357.3170250766	39.603564094971475	-101.5369093	282189.6245005722	3486838.237	3437.424420726334	3300.543749042313	3163.814705306073	3160.075030885901	3162.266909815428	140.2575062369979	140.2575062369979
249	20689	-207261.1413	994357.3170250766	39.60357827406978	-101.534688	282390.6691087662	3486834.11273362	3437.956705229329	3298.3989109941076	3162.930851268485	3158.697089354361	3160.098957866266	140.2575062369979	140.2575062369979
250	20690	-206601.1413	994357.3170250766	39.603592452947866	-101.5322727	282591.7134533577	3486825.45054706	3438.491800719216	3162.918007283683	3161.328230516017	3157.430161195625	3157.9356976235142	139.87163908270577	139.87163908270577
251	20691	-205941.1413	994357.3170250766	39.6036056665075	-101.5298688	282792.757584548	3486820.29580677	3438.01591212903	3295.63004481331	3159.82060537306	3158.6419669998	3158.8093912402518	139.1668477813449	139.1668477813449
252	20692	-205281.1413	994357.3170250766	39.60362067504341	-101.527546	282993.7051019926	3486816.85590663	3438.53281821471007	3158.421915	3159.581164639396	3155.0539128536077	3153.19538701875177	138.19538701875177	138.19538701875177
253	20693	-204621.1413	994357.3170250766	39.60363471826079	-101.5252052	283194.84520610224	3486812.76134463	3438.05508192681	3329.1908846935024	3157.055646538465	3157.180433074283	3153.135284250372	135.0145195607412	135.0145195607412
254	20694	-203961.1413	994357.3170250766	39.603648716257865	-101.5228643	283395.8869706	3486808.66692342	3438.579806122633	3290.42743320535	3155.615147638217	3155.710590959616	3141.209955671304	134.3696923101922	134.3696923101922
255	20695	-203301.1413	994357.3170250766	39.6036626960314	-101.5202328	283596.93197508005	3486804.57272158	3438.612621388925	3288.6370777191473	3154.4713181282	3154.3412141367885	3141.596623499621	134.2956568421881	134.2956568421881
256	20696	-202641.1413	994357.3170250766	39.6036765759102	-101.5181827	283797.97504076	3486800.476530415	3432.17387561154	3286.425845945817	3153.359915196433	3152.76798045817	3143.626694049125	134.054641364105	134.054641364105
257	20697	-201981.1413	994357.3170250766	39.603690578931971	-101.5160178	283999.0178931289	3486796.19817878	3432.8522359276	3284.5434119895167	3151.692490147724	3152.385692191424	3142.074152048961	129.874152048961	129.874152048961
258	20698	-201321.1413	994357.3170250766	39.60370245602467	-101.513501	284200.0603357094	3486792.291	3431.28510242506	3283.10087058755	3149.6856474380575	3149.690830217777	3143.05396218107	133.4346013080786	133.4346013080786
259	20699	-200661.1413	994357.3170250766	39.60371802793785	-101.5111602	284401.1026918814	3486788.19817878	3430.7030625884	3281.265682870663	3147.90739568222	3148.10749401733	313.35858740424112	133.35858740424112	133.35858740424112
260	20700	-200001.1413	994357.3170250766	39.60373175412554	-101.508819	284602.1451783173	3486784.105	3430.00210610385	3279.35494509507	3146.08263928486	3146.461148629666	313.319100581026	132.950442396407	132.950442396407
261	20701	-199341.1413	994357.3170250766	39.6037454306681	-101.5064785	284803.1871803365	3486780.10224995	3429.2945928148457	3277.919339120474	3144.286279574731	3144.854178075994	313.293054373163	132.601424404797	132.601424404797
262	20702	-198681.1413	994357.3170250766	39.603759072300534	-101.5041377	285004.2288762585	3486775.91962138	3428.587699503263	3275.614217	3142.4141685732656	3143.416993051643	313.27204819817454	132.2242368490707	132.2242368490707
263	20703	-198021.1413	994357.3170250766	39.60377263311971	-101.501786	285205.2765818937	3486771.6259278145	3428.451324989276	3274.8522359276	3142.5434119895167	3151.692490147724	3152.385692191424	129.874152048961	129.874152048961
264	20704	-197361.1413	994357.3170250766	39.603786209195346	-101.499458	285406.0119293307	3486772.9500348	3431.88507375127	3273.67999371787	3147.90739568222	3143.666923499621	313.27701519813177	129.3102491131	129.3102491131
265	20705	-196701.1413	994357.3170250766	39.6037997067835	-101.4971152	285607.353089052	3486763.64382133	3434.303857564027	3269.98630538926	3136.840055032067	3141.902861584107	313.155687500659	129.05974609819	129.05974609819
266	20706	-196041.1413	994357.3170250766	39.60381136102978	-101.4947743	285808.39403830253	3486758.155130464	3434.7549011397737	3268.1180892333	3135.444551949676	3142.761737936703	312.617637936703	128.3308415279972	128.3308415279972
267	20707	-195381.1413	994357.3170250766	39.60382657516056	-101.4924335	286009.4347771335	3486754.95842896	3434.211680829714	3266.239833620893	3136.424962552384	3137.7269410549133	312.5968810047143	128.5128961161842	128.5128961161842
268	20708	-194721.1413	994357.3170250766	39.6038394007605	-101.4900922	286210.4753	3486751.36859421	3433.75189586236	3265.3629585655	3132.96237687145	3131.4028318985106	312.408318985106	130.3669341650711	130.3669341650711
269	20709	-194061.1413	994357.3170250766	39.60385259700058	-101.4877518	286411.5562422218	3486747.720589501	3433.431720589501	3262.498572029293	3131.85488885414	3132.964289269587	312.36441833481528	129.5341427598638	129.5341427598638
270	20710	-193401.1413	994357.3170250766	39.603865924228764	-101.48541	286612.5972819837	3486743.195921114	3432.8522359276	3261.5434119895167	3151.692490147724	3152.385692191424	129.874152048961	129.874152048961	129.874152048961
271	20711	-192741.1413	994357.3170250766	39.60387976347672	-101.4830701	286813.5566319216	3486739.0005348	3432.8522359276	3260.59879084294	3151.40218727421	3142.02969269421	312.6607521219784	128.380017786461	128.380017786461
272	20712	-192081.1413	994357.3170250766	39.60389294570389	-101.4807293	287014.6333	3486735.0556312	3432.60429491145	3256.9724810697467	3130.818050030236	3132.186225160909	312.15443103927302	128.76625908638	128.76625908638
273	20713	-191421.1413	994357.3170250766	39.60390608631027	-101.4783884	287215.6748018767	3486730.91955313	3429.62733089925	3255.1959401469363	3130.901102450821	3132.684769485527	312.0435408433474	128.045408433474	128.045408433474
274	20714	-190761.1413	994357.3170250766	39.60391917895804	-101.4760476	287416.7140732155	3486728.62564119	3428.628461188136	3253.3636985154	3130.7897829451076	3131.8668871814875	312.0451454004678	128.045408433474	128.045408433474
275	20715	-190101.1413	994357.3170250766	39.60393232286205	-101.4737067	287617.7531373767	3486722.736	3427.256458389425	3251.5870002396127	3130.5311543816492	3131.254906240531	312.058485879635	120.3299059236685	120.3299059236685
276	20716	-189441.1413	994357.3170250766	39.603945231404374	-101.471369	287818.7919894897	3486718.646	3419.517508991927	3249.82822694557	3129.044311386702	3131.254906240531	312.058485879635	120.32990	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SatHtBothKrg.ft	SatHtBoth.ft
361	207	226801	-133341.1413	994357.3170250766	39.040885213889816	-101.272391	340966.3541298091	4386371.857625458	3119.1718714687303	310.5528359553846	3021.925652236296	2994.3303600127847	108.627718331754968	136.2224755406116
362	307	226802	-132681.1413	994357.3170250766	39.04084342795409	-101.2700501	35017.37581359345	4386367.787370872	3117.2990068025745	310.29246557210074	3020.7784434461224	2992.6281998602818	108.44481407485502	136.394676807245
363	307	226803	-132021.1413	994357.3170250766	39.040963686016666	-101.2636867	30538.367306885	4386362.317403529	3118.28968518719	311.078752178616	3017.144703527858	2993.7538308330775	108.5630486507958	133.01589108836034
364	307	226804	-131361.1413	994357.3170250766	39.0401420041444	-101.265383	305509.418609587	4386357.453332	3109.46712549066	312.565183740788	3018.9419016029796	2996.7011515889224	107.641641677884	130.473067181545
365	307	226805	-130701.1413	994357.3170250766	39.040421398810475	-101.2630274	305710.3472021075	4386355.79794839	3108.8406199125034	312.5727231750917	3018.224735282163	2998.195831643314	107.0504978929288	127.0794000176031
366	307	226806	-130041.1413	994357.3170250766	39.0409303198373	-101.2606865	305911.46064435976	4386351.50889458	3103.23632725013	312.3698855648317	3017.6923780953908	2997.274878055237	124.1917328470028	127.0794000176031
367	307	226807	-129381.1413	994357.3170250766	39.04093922	-101.2583456	306112.4813768391	4386347.49452426	3106.034376877557	312.226715881691807	3017.36629560573	3000.503466179445	105.305295184279	122.1681601188621
368	307	226808	-128721.1413	994357.3170250766	39.04094802656184	-101.2560047	306313.5199196569	4386343.37058367	3102.234789390141	312.138089	3017.163604233093	2994.343989117942	104.21708315833075	119.43939490399378
369	307	226809	-128061.1413	994357.3170250766	39.040956860166666	-101.2536867	306514.522730167	4386338.362114821	3108.42865015719	312.078752178616	3017.144703527858	2993.7538308330775	108.5630486507958	125.72221314553695
370	307	226810	-127401.1413	994357.3170250766	39.04095661244862	-101.2512325	306515.5423711257	4386335.23381053	3118.8238817909597	312.07865048560343	3004.780450429416	101.7550759346554	114.4323135401808	114.4323135401808
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402	307	226842	-106281.1413	994357.3170250766	39.05022186771496	-101.1764134	313148.089	4386205.16276359	3107.2370440671922	310.5468584102873	3010.771478400225	2988.4691075029645	100.6853757	100.6853757
403	307	226843	-105621.1413	994357.3170250766	39.05022967876343	-101.1740922	313349.031369621	4386201.09172383	3107.2370440671922	310.5468584102873	3010.771478400225	2988.4691075029645	100.6853757	100.6853757
404	307	226844	-104961.1413	994357.3170250766	39.050236823272967	-101.1717134	313550.116868269	4386197.03293032	3107.2370440671922	310.5468584102873	3010.771478400225	2988.4691075029645	100.6853757	100.6853757
405	307	226845	-104301.1413	994357.3170250766	39.050243438180197	-101.1693905	313751							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	WLL	BR/ElevLogs.kg.ft	BR/ElevBothrg.kg	SatHLogs.kg	SatHBothg.kg
487	307	226927	-50181.14133	994357.3170250766	39.60567542220115	-100.97747328	30023.61591677354	4385860.761266567	3080.48698614473	259.145819823542	2889.8813716032277	288.3622208	69.26450222031417	
488	307	226928	-49521.14133	994357.3170250766	39.60568086805249	-100.975019	33043.6511940011	4385866.79456721	307.607746776819	295.7571912604438	288.50658986157	68.963762670084	68.9603267228664	
489	307	226929	-48881.14133	994357.3170250766	39.60568423876562	-100.972759	33065.935	4385867.985209635	306.800127769745	289.22184377075	288.764862787432	68.7831843026698	68.7402487106626	
490	307	226930	-48201.14133	994357.3170250766	39.605678564202384	-100.970409	33068.6592563938	4385848.635967241	307.848261110692	295.44548518285	288.816194	68.6920944905498	69.4215861897496	
491	307	226931	-47581.14133	994357.3170250766	39.605690844420934	-100.9680689	33107.648007475	4385844.59452846	306.616050431	295.289254154021	288.637785067658	68.65479098637036	69.187767626395	
492	307	226932	-46841.14133	994357.3170250766	39.6056940479415265	-100.965728	33128.6466610229	4385840.5545164007	305.13457966752494	288.533029866153	288.3265058	68.6149680909648	68.0897369574024	
493	307	226933	-46221.14133	994357.3170250766	39.60569727	-100.963837	33149.6851173419	4385836.51209936	306.166647390165	288.936020517553	288.491928768166	68.591328750543	68.3053249577742	
494	307	226934	-45561.14133	994357.3170250766	39.60570041373106	-100.961461	33160.6434	4385832.41259613	306.1826027439095	294.8260814889098	288.2086274789494	68.4595082978678	68.1754369914153	
495	307	226935	-44801.14133	994357.3170250766	39.60570351362525	-100.958705	33181.6145801235	4385824.336853148	304.578761411634	294.67170638148773	288.41658284413	68.3775621068341	68.7648512563611	
496	307	226936	-44241.14133	994357.3170250766	39.60570655714973	-100.956341	33202.6359047773	4385824.3902367	305.11629123119933	294.51735293511	287.9548967495823	68.27682527171995	68.4910020451526	
497	307	226937	-43581.14133	994357.3170250766	39.605707657602266	-100.9540232	33223.6330774362	4385820.350059881	304.6756038098167	287.802824202743	287.548078635585	68.150042407662	68.10510056146457	
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500	307	226940	-41601.14133	994357.3170250766	39.60571833129555	-100.9470003	33286.6297388328	4385808.20963562	303.738959694779	293.0606496497796	287.2721313943945	68.09346723054469	67.25892290549767	
501	307	226941	-40941.14133	994357.3170250766	39.60572115927121	-100.9446593	333047.6268911221	4385804.19159588	303.62879115110877	292.87467746994306	287.8218923350884	68.07397787659378	67.1707677895933	
502	307	226942	-40281.14133	994357.3170250766	39.60572394022385	-100.9423184	33328.623812527	4385800.15259812	303.85738031524272	293.0515862812055	289.04767042065	68.348254305056	66.5684984527865	
503	307	226943	-39621.14133	994357.3170250766	39.60572667955096	-100.9399774	33349.620895933	4385796.13566271	303.2220724268686	293.085805804416	289.369841242625	68.09832277709167	64.9989896071683	
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509	307	226949	-35661.14133	994357.3170250766	39.605741550185168	-100.925976	33465.60189318326	4385771.885709639	302.7845781473294	292.461717235044	286.461717235044	68.68141585765405	67.1972444954227	
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523	307	226963	-26421.14133	994357.3170250766	39.60577192	-100.8931581	33745.532407041684	4385715.45485079	302.506373959148	290.326732752226	284.23347352022	68.68141585765405	67.1972444954227	
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526	307	226966	-24441.14133	994357.3170250766	39.605777160747046	-100.8861352	33805.50653846	4385703.282	302.4148764814	289.71206543486	283.5782792966043	68.68141585765405	67.1972444954227	
527	307	226967	-23781.14133	994357.3170250766	39.60577871288815	-100.8837942	33825.50663651697	4385699.284099475	302.1959779329994	289.487232738025	283.3289746234226	68.68141585765405	67.1972444954227	
528	307	226968	-23121.14133	994357.3170250766	39.60578042	-100.8814353	33845.4895119607	4385695.21746024	302.0375649603816	289.274149050374	283.18528982172	68.68141585765405	67.1972444954227	
529	307	226969	-22461.14133	994357.3170250766	39.605782164499105	-100.879161	33865.4895119607	4385691.1849916	301.87164854633	289.04393623781384	283.0164854633	68.68141585765405	67.1972444954227	
530	307	226970	-21801.14133	994357.3170250766	39.60578385	-100.8767713	33885.477493490287	4385687.14850599	293.3477812485454	288.734976434388	282.833862814295	68.68141585765405	67.1972444954227	
531	307	226971	-21141.14133	994357.3170250766	39.6057846921164	-100.8744304	33907.67407188924	4385683.611225403	292.7760681360804	288.54752724434	282.619688985365	68.68141585765405	67.1972444954227	
532	307	226972	-20481.14133	994357.3170250766	39.6057863523126	-100.8720894	33927.8459245837	4385679.084	292.632494902154	288.347439402154	282.575945782694	68.68141585765405	67.1972444954227	
533	307	226973	-19821.14133	994357.3170250766	39.6057777602639	-100.869784	33949.45104488	4385675.05164019	292.57026046055	288.236905535583	282.4630283462196	68.68141585765405	67.1972444954227	
534	307	226974	-19161.14133	994357.3170250766	39.60578911159712	-100.8674075	33969.443228944	4385671.01968212	292.77496309143	287.95814318703	282.3425956411	68.68141585765405	67.1972444954227	
535	307	226975	-18501.14133	994357.3170250766	39.60									

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WLTs	BRIElevKgr.f	BRIElevBothKgr.f	LatBoth.f	LonBoth.f
613	207	227053	42789.85867307335	94.35473170250766	39.60575171234621	-0.0682471	355568.3300842814	438533.195376783	2875.8061887192466	271.1469093794807	270.9406524	74.18770197338285	75.9300840942336
614	207	227054	33638.85867307335	94.35473170250766	39.60544923960014	-0.0680131	355619.3504359703	439348.381124269	2873.7709340313027	271.3214623509304	270.874726625811913	74.3627717739764	75.7427692784284
615	207	227055	34298.85867307335	94.35473170250766	39.60574102344854	-0.0677781	355690.2900446981	439543.167129168	2874.82686511124	270.9326518028935	270.8340576018525	74.3932100246355	75.684871689893841
616	207	227056	34958.85867307335	94.35473170250766	39.605446729514534	-0.0675481	355761.2708070698	439834.153337175	2868.176246607777	271.3214623509304	270.874726625811913	74.3627717739764	75.7427692784284
617	207	227057	35618.85867307335	94.35473170250766	39.60574231145523	-0.06731072	356362.2505	438533.371264763	2864.458260009434	275.522097567583	270.171715370578	74.01092334217951	73.80348220566034
618	207	227058	36278.85867307335	94.35473170250766	39.60573984817156	-0.06707662	356563.23011655326	438533.136673156	2860.7416571380087	277.734272349528	2699.4097121052346	74.0681981130104524	73.73323421398179
619	207	227059	36938.85867307335	94.35473170250766	39.605737339663534	-0.06684252	356764.20956418646	438533.10388315	2856.974324778837	279.8471663321151	2697.2891	73.69682421096175	72.86294315858718
620	207	227060	37598.85867307335	94.35473170250766	39.60573459391155	-0.0666043	356985.188740212	438532.100304103	2853.176011631272	276.9443527811723	2695.58330407751	73.5896237342104	71.61815699024104
621	207	227061	38258.85867307335	94.35473170250766	39.6057312891444	-0.0663493	357166.1684625415	438532.187944964	2847.37258896458	278.0243565836984	2694.53096021465	73.4895801747345	70.68971689897338
622	207	227062	38918.85867307335	94.35473170250766	39.60572542793405	-0.0661402	357367.1470811202	438531.07229972	2845.56916337519	2761.090250474097	2694.2480219008	73.46454296	70.67288742826405
623	207	227063	39578.85867307335	94.35473170250766	39.60572685387885	-0.06590614	357568.1259787957	438531.028594149	2841.020128595641	2758.160276006	2694.717823527416	73.4641841265001	63.5109375439332
624	207	227064	40238.85867307335	94.35473170250766	39.60572411875827	-0.06567204	357769.1470349567	438530.05093641	2835.72575817919674	2695.7447947429787	2695.2009094166974	73.4547804898868	60.05662732569955
625	207	227065	40898.85867307335	94.35473170250766	39.6057233890427	-0.06543795	357970.0833624373	438530.039161898	2830.4308229400375	2752.374000704375	2697.2482569547643	73.456710891145	55.15276410891145
626	207	227066	41558.85867307335	94.35473170250766	39.60571851382585	-0.06520385	358171.0185079354	438530.02781441	2825.1361701139692	2749.532302769798	2698.969854602094	73.4534851677908	50.74677480825264
627	207	227067	42182.85867307335	94.35473170250766	39.60571564532313	-0.06498975	358372.04020180295	438530.0161222103	2820.68136136954	2746.7127101482697	2700.2596022341607	73.4503785415902	46.14731045939592
628	207	227068	42878.85867307335	94.35473170250766	39.60571277996135	-0.06475816	358573.0184166592	438530.00508356	2817.11835053024	2743.9498511833554	2701.1377671197142	73.441280423361144	41.9881174937436
629	207	227069	43538.85867307335	94.35473170250766	39.60571067724484	-0.06450156	358773.996459586	438528.994166697	2812.5802871508136	2741.2383598052606	2702.20728446467	73.43074036993492	39.0913013689033
630	207	227070	44198.85867307335	94.35473170250766	39.6057067125772	-0.06426746	358974.9433684414	438528.943648622	2809.95769271392	2738.57354051561	2703.485530882315	73.42505166246254	33.8730519811831386
631	207	227071	44858.85867307335	94.35473170250766	39.60570371006779	-0.06403337	359175.952342671	438528.897293611	2806.76586144821	2735.966550385811	2705.2657386507035	73.417858816345	30.708911735071396
632	207	227072	45518.85867307335	94.35473170250766	39.6057001364385	-0.06379927	359376.3003185821	438528.862739663	2803.96231282234	2733.404229425701	2707.3820606349915	73.4106116292271703	24.37313778644583
633	207	227073	46178.85867307335	94.35473170250766	39.60569518	-0.0635618	359577.905757627	438528.835027065	2801.1936641915627	2730.828762049457	2708.7292308209905	73.4078218789371	21.166838291155273
634	207	227074	46838.85867307335	94.35473170250766	39.60569245129959	-0.06333108	359778.849458525	438528.824984912	2796.3501615496107	2728.413121126886	2710.29049199174	73.40227491364583	16.354383880574
635	207	227075	47498.85867307335	94.35473170250766	39.60568942035024	-0.0631041	359979.7255257444	438528.813204954	2793.7784472781457	2698.591497213544	2698.591497213544	73.401491736245	15.14113456279607
636	207	227076	48158.85867307335	94.35473170250766	39.60568778	-0.06286289	360180.8335861813	438528.803234402	2790.63396780388	2723.547303945557	2706.417251457364	73.40282195389645	12.702293704910914
637	207	227077	48818.85867307335	94.35473170250766	39.6056844531584	-0.06262679	360381.818357301	438528.791478525	2781.25337204135	2721.204539	2702.8382118060294	73.40282195389645	9.186327447119614
638	207	227078	49478.85867307335	94.35473170250766	39.60568105338864	-0.06239469	360582.7932220062	438528.78055778	2803.206175619957	2718.862975280094	2698.840895028892	73.40282195389645	6.202201801720512
639	207	227079	50138.85867307335	94.35473170250766	39.60567767239458	-0.0621606	360783.77	438528.76915098	2805.1500085859	2716.54660438395	2695.1812685324848	73.40282195389645	2.22942516407026
640	207	227080	50798.85867307335	94.35473170250766	39.605674211773304	-0.0619265	360984.7456495336	438528.7488665208	2807.25025161101026	2714.252834183962	2699.04211448	73.40282195389645	23.28867730542257
641	207	227081	51458.85867307335	94.35473170250766	39.605671071037376	-0.06169824	361185.7238134983	438528.736930215	2808.350486386945	2717.9196348989	2698.59281808177	73.40282195389645	23.51561988529851
642	207	227082	52118.85867307335	94.35473170250766	39.605668127356581	-0.06146181	361386.6984375305	438528.726735681	2811.4504	2719.7242018580	2698.59281808177	73.40282195389645	22.611219698123
643	207	227083	52778.85867307335	94.35473170250766	39.60566536817609	-0.06122421	361587.6755410079	438528.7246453718	2812.5188681879157	2707.486403696757	2685.2050854827	73.40282195389645	21.21682317188513
644	207	227084	53438.85867307335	94.35473170250766	39.6056629090901	-0.06099012	361788.76516054018	438528.71885318075	2815.2538909165285	2683.65102736577	2688.844851940045	73.40282195389645	16.4193087684939
645	207	227085	54098.85867307335	94.35473170250766	39.605656244721544	-0.0607502	361989.6275371396	438528.7144580582	2816.059801390517	2703.005002401476	2682.222376664098	73.40282195389645	12.91382710872922
646	207	227086	54758.85867307335	94.35473170250766	39.605652515157985	-0.0605193	362190.63342905	438528.7024839104	2812.62690749215	2700.85015	2680.72244001947515	73.40282195389645	9.1324628587057937
647	207	227087	55418.85867307335	94.35473170250766	39.60564874037024	-0.06028783	362391.5790034747	438528.69354715	2813.514589861452	2698.6335985952	2679.2593142970163	73.40282195389645	6.1243698185224768
648	207	227088	56078.85867307335	94.35473170250766	39.60564520356254	-0.0600574	362592.554587472	438528.68358792	2814.591497213544	2698.591497213544	2698.591497213544	73.40282195389645	3.141513456279607
649	207	227089	56738.85867307335	94.35473170250766	39.60564106	-0.05981964	362793.5299416513	438528.672223629	2806.19368790839	2694.3197356104	2697.3788485117177	73.40282195389645	16.95348548242373
650	207	227090	57398.85867307335	94.35473170250766	39.60563714461905	-0.05958554	362994.5052311998	438528.6610959843	2803.6212695552327	2692.194472447775	2674.60603406356	73.40282195389645	12.91382710872922
651	207	227091	58058.85867307335	94.35473170250766	39.60563318897747	-0.05935145	363195.4058332304	438528.6501899802	2799.843136235134	2690.05845314626	2672.869971581228	73.40282195389645	9.1324628587057937
652	207	227092	58718.85867307335	94.35473170250766	39.60562918806898	-0.05911735	363396.3562423205	438528.640069802	2794.884703094781	2687.9338512982144	2671.089575034475	73.40282195389645	6.1243698185224768
653	207	227093	59378.85867307335	94.35473170250766	39.60562514193616	-0.05888326	363597.430201403	438528.62971560475	2789.922716560475	2685.817648003637	2669.5457766538637	73.40282195389645	3.141513456279607
654	207	227094	60038.85867307335	94.35473170250766	39.60562105972254	-0.05864816	363798.404672254	438528.618305215	2788.93095305283	2684.21391543717	2668.0726323805	73.40282195389645	15.63555171670778
655	207	227095	60698.85867307335	94.35473170250766	39.60561732193118	-0.05841907	363999.4508234	438528.607040049	2787.948905811923	2683.0891282286	2667.0891282286	73.40282195389645	12.91382710872922
656	207	227096	61358.85867307335	94.35473170250766	39.60561273219318	-0.05818097	364200.5340892344	438528.5961802409	2786.9521904054	2679.53299236548	2664.73149112956	73.40282195389645	9.1324628587057937
657	207	227097	62018.85867307335	94.35473170250766	39.60560850516387	-0.05794687	364401.328445738	438528.5847720279	2785.94432232004	2677.468034661391	2667.138466277562	73.40282195389645	6.1243698185224768
658	207	227098	62678.85867307335	94.35473170250766	39.60560423291064	-0.05771728	364602.3062716735	438528.5737700236	2784.9354085816043	2675.572397174857	2665.40431723157	73.40282195389645	3.141513456279607
659	207	227099	63338.85867307335	94.35473170250766	39.60559915433224	-0.05747868	364803.2767876284	438528.5617941153	2783.92649047936	267			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	W.Lt.	SurfTBoth.f
730	22179	116138.85867307335	994357.3170250766	39.600510798205191	-102.3875116	308080.8023995618	438489.141	2658.538021259335	2515.5735875949	2515.5735875949	2515.0702608136407	57.8800230088053	58.08730172628897	
740	22180	116798.58657307335	994357.3170250766	39.600510011458084	-101.3857016	381081.7666665727	438484.5154342915	2661.396273847085	2571.4269432092324	2512.2610071694753	251.6665125241014	59.7530639375110	59.7530639375110	
1	308	22181	327981.1413	996017.3170250766	39.6005276538516	-102.1604698	23258.7035332457	438003.934867499	3723.080320284	3540.24913201512	354.1483542197719	64.15237	64.15237	
2	308	22182	370281.1413	996017.3170250766	39.60050394835658	-102.1127408	327229.8071744824	438005.7100720109	3505.5383411195835	357.48507330111	3543.42086148213686	69.0502378	63.11752629196935	
3	308	22183	369621.1413	996017.3170250766	39.60052926234654	-102.1104092	323930.9102366673	438004.76088122	3604.7794383242647	3541.0287869538274	3542.4447141967944	67.470888843723	62.33377964515168	
4	308	22184	369861.1413	996017.3170250766	39.6005459889144	-102.1080686	323132.0139170278	438005.84872643155	3603.022768133097	3537.4637141595663	3538.0957003209054	65.590537353081	64.92767309119168	
5	308	22185	368301.1413	996017.3170250766	39.60057986	-102.1057281	323333.1158812744	438006.3549186402	3675.7016494903281	3601.274092872957	3538.453287737491	69.20181255	62.06900283408524	
6	308	22186	36741.1413	996017.3170250766	39.60060508656887	-102.1033875	323354.2180770486	438002.308676863	3594.524682978073	3539.35994922887	3540.4135122410626	60.147339518599	59.11170731070165	
7	308	22187	366981.1413	996017.3170250766	39.60062025589941	-102.1016069	323375.22546881489	438002.158	3587.873737423539	3539.353940162295	3538.214498826368	59.4287969301115	58.4675059386392	
8	308	22188	366321.1413	996017.3170250766	39.60056536	-102.0987063	323356.422366700	438002.00833697	3596.62149544957	3537.23657359533	3537.863537	60.506718169623	58.17653717055784	
9	308	22189	365661.1413	996017.3170250766	39.60060843393944	-102.0963568	32417.52400003863	438001.858505456	3594.304508582871	3537.9839349973585	3538.236985054821	60.506718169623	58.17653717055784	
10	308	22190	365001.1413	996017.3170250766	39.60070547	-102.0940252	234338.62537173514	438001.708009098	3636.229573084122	3592.573613281447	3536.773732374515	55.7998089093132	57.4434998095937	
11	308	22191	364341.1413	996017.3170250766	39.600730451459346	-102.0918646	234539.7264792675	438001.858505456	3642.11917309728128	3590.84597663879	3535.688286756974	55.1572939	56.4624659	
12	308	22192	363681.1413	996017.3170250766	39.6007539250582	-102.089354	234740.82732382935	438007.41	3659.11226141611	3598.126884512994	3534.505855571333	50.671700284166035	56.115127321909	
13	308	22193	363021.1413	996017.3170250766	39.6007602825528	-102.0870034	234841.927005588	438003.26143488	3676.10525975581	3587.4073675410427	3533.11293989548	52.9493965149452	57.42241217265106	
14	308	22194	362361.1413	996017.3170250766	39.600805138789575	-102.0846628	235143.0226246326	437999.1127433805	3693.0928890457	3585.70038726427	3532.02738370239	53.673003202754064	56.000922754064	
15	308	22195	361701.1413	996017.3170250766	39.60082994411133	-102.082322	235344.12828131532	437994.964269443	3703.206350953145	3584.002219899765	3530.93803088715	53.673003202754064	56.000922754064	
16	308	22196	361041.1413	996017.3170250766	39.60085470422054	-102.0799817	235545.22807579534	437981.60126149	3706.42639833155	3582.3133647311	3529.497308318045	52.952369745837	56.39866679	
17	308	22197	360381.1413	996017.3170250766	39.60087941911714	-102.0774411	235746.327608277	437986.667999992	3709.64792527095	3580.634317096705	3527.4439529321025	53.1903877766793	55.25394899921732	
18	308	22198	359721.1413	996017.3170250766	39.6009040880109	-102.0753005	235947.4268789608	437982.50240445	3712.866286705687	3578.965692705687	3526.115979128194	52.826139696045	55.14937309874722	
19	308	22199	359061.1413	996017.3170250766	39.60092871327324	-102.0729569	236184.5259	437978.73263061	3714.2474487448347	3577.307979140967	3524.24493262402	53.22240614280284	55.0564858785649	
20	308	22200	358401.1413	996017.3170250766	39.6009532252036	-102.0706193	236349.6254500223	437974.25291769	3713.784728789945	3575.86177851729	3522.42599122722	53.21148535	53.1659641195785	
21	308	22201	357691.1413	996017.3170250766	39.6009728597649	-102.068729	236559.7231226569	437975.078174586	3715.82023585145	3554.4083218164183	3520.07709732045	53.21148535	53.1659641195785	
22	308	22202	357081.1413	996017.3170250766	39.60100231540932	-102.0659581	236751.8213474706	437976.931283056	3712.859494147314	3572.40525118517	3519.979956251763	53.102306625313	53.42625239396081	
23	308	22203	356421.1413	996017.3170250766	39.6010267590225	-102.0639575	236952.91932177556	437976.78481651	3712.947081086505	3570.80158	3517.2063326322117	53.15745089603335	53.25591593012637	
24	308	22204	355761.1413	996017.3170250766	39.60105115743626	-102.0612569	237154.01701705193	437975.63179621	3713.585011803927	3569.241268384217	3515.289496890743	53.16167214082673	53.92075309801451	
25	308	22205	355101.1413	996017.3170250766	39.60107551603295	-102.0589163	237355.1144608093	437979.491966045	3714.22942545022	3567.645180240257	3513.745008703647	53.15102783692745	52.52051058627035	
26	308	22206	354441.1413	996017.3170250766	39.60109881811715	-102.0565757	237556.2116447687	437979.345908058	3714.86037319557	3566.09490700348	3512.162199407222	53.14195620207869	53.93270129673765	
27	308	22207	353791.1413	996017.3170250766	39.60112654779804	-102.0542251	237757.3080219378	437978.202019378	3715.8952055407538	3565.798605195954	3510.578304681326	53.98740217005858	51.68891723541006	
28	308	22208	353121.1413	996017.3170250766	39.601159599338	-102.0519844	237945.023274655	437971.054894758	3717.33720218651	3569.05512094458	3509.8512354118	53.148315894701	51.589961407593	
29	308	22209	352561.1413	996017.3170250766	39.60117247172548	-102.0495538	238159.50763734557	437978.9303971794	3708.77581936922	3561.5600462662524	3507.182982150781	53.1473964115471514	51.16080630930418	
30	308	22210	351801.1413	996017.3170250766	39.6011965804383	-102.0472132	238360.597623574	437983.764	3707.714195635015	3560.09898	3505.33523113117	50.92975382706307	54.73935661703648	
31	308	22211	351541.1413	996017.3170250766	39.6012068033089	-102.0448726	238561.69378678007	437982.6149343528	3702.4618857841992	3558.6386198819437	3503.3970467538797	50.87601443990683	55.24153712806392	
32	308	22212	350481.1413	996017.3170250766	39.60124471703264	-102.042532	238762.7893063035	437982.474940617	3697.51877834515	3557.207979713377	3501.077564372666	50.9589868417638	56.115127321909	
33	308	22213	349821.1413	996017.3170250766	39.6012687052105	-102.0400194	238963.8847646308	4379750.33	3692.5758709858483	3556.798025784833	3498.6617545342523	50.93378118897802	51.9189099681228	
34	308	22214	349161.1413	996017.3170250766	39.60129256747904	-102.0376026	239164.0787471844	437976.183221641	3694.1816212481	3554.4083218164183	3520.07709732045	53.21148535	53.1659641195785	
35	308	22215	348501.1413	996017.3170250766	39.6013165585756	-102.0355101	239366.0747265199	437976.1024269441	3695.182891780075	3553.04717310754	3499.2018263371	53.9838043033093	50.62496674071434	
36	308	22216	347841.1413	996017.3170250766	39.601340411705586	-102.0331695	239567.16930234066	437970.89534036	3695.16934777834493	3549.369320349736	3502.822182368841	61.30651574845704	48.8707251956088	
37	308	22217	347181.1413	996017.3170250766	39.60136422234009	-102.0308289	239768.2635669568	437975.50524627	3697.268019365107	3550.36671607885	3488.06357830675	50.984263846191	62.029373111979	
38	308	22218	346521.1413	996017.3170250766	39.60138797760944	-102.0284883	239969.3571252201	437989.611768234	3674.112083511514	3549.060286182274	3486.6492611038143	53.21148535	53.1659641195785	
39	308	22219	345861.1413	996017.3170250766	39.60141110796822	-102.0261476	240170.4551055101	437985.486719808	3671.59783897133	3547.70778943075	3485.96781893535	53.3877373698584	61.80297141598625	
40	308	22220	345201.1413	996017.3170250766	39.6014533629177	-102.023807	240371.541148374	437981.32589734	3668.72406499127	3546.495467357558	3485.96781893535	53.3877373698584	61.80297141598625	
41	308	22221	344541.1413	996017.3170250766	39.601482597307694	-102.0219187	240773.741744974	437983.003003467	3669.61597830615	3545.4083218164183	3485.96781893535	53.3877373698584	61.80297141598625	
42	308	22222	343861.1413	996017.3170250766	39.601482597307694	-102.0219187	240773.741744974	437983.003003467	3669.61597830615	3545.4083218164183	3485.96781893535	53.3877373698584	61.80297141598625	
43	308	22223	343221.1413	996017.3170250766	39.60150613665994	-102.0167851	240974.8246740534	437987.88677558	3668.61597830615	3542.749076199914	3484.644007	53.27694591885816	58.1050610355125	
44	308	22224	342561.1413	996017.3170250766	39.601512963	-102.0144445	241175.9186037486	437978.75867154	3669.61597830615	3542.749076199914	3484.644007	53.27694591885816	58.1050610355125	
45	308	22225	341901.1413	996017.3170250766	39.60155037937276	-102.0121039	241377.0090842768	437976.615174471	3672.656475284625	3540.350718504272	3484.20591622128	53.15436949172206	56.15702326726653	
46	308	22226	341241.1413	996017.3170250766	39.60157648343228	-102.009732	241578.1011086447	437978.6477077225	3675.69997349047	3539.090953963152	3484.1024477617603	53.98307173822088	54.9880918991805	
47	308	22227	340581.1413	996017.3170250766	39.601609884									

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SurfTz57.f	SurfBoth.f
125	227305	-289101.1413	9505017.3170250766	39.603282496778164	-01.8248484	257463.57981402456	437540.01171097	3676.0233395749988	331.200083495964	3352.002751024521	3347.744806209393	79.1972573	86.4514905596338
126	227306	-288441.1413	9505017.3170250766	39.60330228323342	-01.8225076	257464.650252436	437536.58775485	3674.598173825397	340.812327269562	3349.658924703954	3344.541848187104	80.4253975046081	85.53938740207488
127	227307	-287811.1413	9505017.3170250766	39.60332924471346	-01.8061224	259072.1581469488	437531.764569475	3672.987797797348	322.338457815886	3336.09894769693	3335.59483131641	81.4038178	85.3716698691006
128	227308	-287121.1413	9505017.3170250766	39.60334170491905	-01.8187621	258066.7957295732	437527.61401933	3671.109174435558	3427.86477641606	3345.632852091567	3341.631294364915	85.1144937270703	85.1144937270703
129	227309	-286461.1413	9505017.3170250766	39.60336137129507	-01.8154854	258267.8672386962	437523.518662173	3669.258261093283	3426.745121093276	3343.410779054855	3341.880579	82.324023480807	84.7645418143369
130	227310	-285841.1413	9505017.3170250766	39.60338098	-01.8131446	258468.0387940636	437516.334236824	3670.47725544611	3425.6377500007018	3341.509659056133	3341.53377671001	84.1834054456884	84.8432732709058
131	227311	-285141.1413	9505017.3170250766	39.60340053724903	-01.8108039	258670.0094957084	437515.274095175	3665.1433646109746	3424.532846109746	3339.4486858623636	3339.741826	83.8802602535124	84.57102071327614
132	227312	-284481.1413	9505017.3170250766	39.60342005239707	-01.8084631	258917.08027423068	437511.15199641	3662.43655221468	3423.431547891023	3337.198739662659	3337.9238103242186	86.2230822896413	85.70273744960438
133	227313	-283821.1413	9505017.3170250766	39.603439623233956	-01.8061224	259072.1581469488	437510.764569475	3672.987797797348	322.338457815886	3336.09894769693	3335.59483131641	81.4038178	85.3716698691006
134	227314	-283161.1413	9505017.3170250766	39.60345894704849	-01.8037816	259273.2211710905	437502.90854987	3671.128937191277	3421.2610055344	3333.00304040477	3334.55128538924	82.37796523067	86.648321742623
135	227315	-282501.1413	9505017.3170250766	39.60347832654644	-01.8014048	259474.29118192524	437498.78158125	3655.53302598217	3420.1638381486773	3332.9584530030525	3332.9584530030525	89.1408745191303	87.2053824804981
136	227316	-281841.1413	9505017.3170250766	39.60349768082671	-01.7991001	259675.36100929759	437496.646599643	3655.111008572124	3419.092427094525	3329.24180320147	3329.3941744757306	89.8506187734269	84.71095234
137	227317	-281181.1413	9505017.3170250766	39.60351694888228	-01.7967593	259876.4305942924	437490.455	3654.66859546216	3418.036781891705	3327.5719328176638	3327.7382554514094	88.48480200204678	85.23745276830111
138	227318	-280521.1413	9505017.3170250766	39.603536193734115	-01.7944186	260077.4995250325	437486.4243418128	3654.2263645402015	3417.03022704452	3326.8042625934336	3326.8042625934336	90.1967011	87.62458484757396
139	227319	-279861.1413	9505017.3170250766	39.60355336219119	-01.7920778	260278.5696874513	437482.403681871	3652.89598008117	3415.9970130811184	3325.350867140688	3327.5240731315256	90.6462036704967	88.477393659286
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141	227321	-278541.1413	9505017.3170250766	39.6035936	-01.7873963	260680.7069515384	437474.06356114	3648.406895396933	3414.089580119435	3322.893225535395	3322.320613115243	91.19172634	91.7575247041925
142	227322	-277881.1413	9505017.3170250766	39.60361271693529	-01.7850555	260881.77499850752	437469.94375459	3646.170489510343	3413.95818852526	3321.7844607187567	3321.9169972071173	91.1473538	92.23620678109206
143	227323	-277221.1413	9505017.3170250766	39.60363173468097	-01.7827147	261082.8316456286	437465.24169321	3644.06285823241	3412.34376304796	3320.7983130361624	3318.69742437273	91.5444509109339	93.6463043382623
144	227324	-276561.1413	9505017.3170250766	39.603650702728475	-01.780374	261283.9111045942	437461.704809267	3642.102315209426	3411.532051507776	3319.812140172082	3319.812140172082	91.7199113869397	93.1626853831267
145	227325	-275901.1413	9505017.3170250766	39.60366934548076	-01.7780332	261484.9780141357	437457.58567432	3640.1363495968	3410.7578028053477	3318.82129252509	3318.82129252509	91.93650956	92.9259116502148
146	227326	-275241.1413	9505017.3170250766	39.603685164987	-01.7756284	261686.0462682118	437453.46674811	3638.170139837058	3410.01570265574	3317.931669036368	3317.1271710386	92.094065918862	92.9259116502148
147	227327	-274581.1413	9505017.3170250766	39.60370119351671	-01.773216	261888.1134972214	437449.64880932	3636.0535471121	3409.34429251021	3316.9428723286	3316.9428723286	93.140491102428	93.140491102428
148	227328	-273921.1413	9505017.3170250766	39.603726115195856	-01.7710109	262088.1804912126	437445.22962173	3634.73560979727	3408.63099122602	3315.8376270727235	3315.817652733283	92.2623405	92.786313633689
149	227329	-273261.1413	9505017.3170250766	39.6037448164582	-01.7686701	262289.2724050085	437441.11387138	3633.1010571980346	3407.922111545098	3315.507701803607	3316.2444974303151	92.41034673109	91.67711642194668
150	227330	-272601.1413	9505017.3170250766	39.60376392874884	-01.766329	262490.3137750344	437436.938732826	3631.46504606341	3407.2490557134547	3315.180442107512	3315.9547954097916	92.0686136095247	91.2942602266307
151	227331	-271941.1413	9505017.3170250766	39.60378224888574	-01.7639885	262691.380052954	437432.875594611	3630.05111083023	3406.5803366071815	3315.005496003486	3315.8461622594694	93.01548436018344	90.7189734768507
152	227332	-271281.1413	9505017.3170250766	39.603800859613	-01.7616478	262892.46421139784	437428.758036102	3630.654875870805	3405.912284343077	3315.043884443806	3316.0291595689548	90.8683979901275	89.88312677555134
153	227333	-270621.1413	9505017.3170250766	39.603819414086253	-01.7593877	263093.51194354827	437424.648070753	3629.95866091137	3405.241265188796	3314.94889854083	3316.0291595689548	90.8683979901275	89.88312677555134
154	227334	-270001.1413	9505017.3170250766	39.6038379560984	-01.7571662	263294.57733195334	437420.53059459	3630.60240593459	3404.56973254396	3314.83397177787	3314.83397177787	92.7359295	89.1839293
155	227335	-269301.1413	9505017.3170250766	39.603856420074625	-01.7545254	263495.6425	437416.40671105	3629.62780519338	3403.885574843105	3316.318781871815	3316.188860316417	87.5739602528661	87.5739602528661
156	227336	-268641.1413	9505017.3170250766	39.60387485065484	-01.7522846	263696.7080083485	437412.290053592	3628.150150012474	3403.196494	3316.433973	3316.93497465357	86.76252102	86.259630537338
157	227337	-267981.1413	9505017.3170250766	39.60389324	-01.7499438	263897.7289675174	437408.174	3625.7071993731056	3402.487787705504	3315.6031712948306	3318.892930040095	86.8956074751977	83.6058461645996
158	227338	-267321.1413	9505017.3170250766	39.60391157484963	-01.747603	264098.875523267	437404.0057	3623.724363733788	3401.791824123076	3315.33535367650597	3318.461757618945	86.8956074751977	83.6058461645996
159	227339	-266661.1413	9505017.3170250766	39.60392989112933	-01.7452627	264299.90197499946	437399.341430502	3621.731054791365	3401.075291250454	3315.280405616687	3317.726232318283	84.3032801857306	84.3032801857306
160	227340	-266001.1413	9505017.3170250766	39.6039481193541	-01.7429125	264500.96552003	437395.025671121	3619.8535471121	3400.34429251021	3314.9428723286	3316.9428723286	93.140491102428	93.140491102428
161	227341	-265341.1413	9505017.3170250766	39.60396621194531	-01.7405827	264702.1003155752	437391.10138785	3618.76143733943	3399.696160717875	3314.565400959544	3315.923561128964	96.9939619882811	85.6837544889111
162	227342	-264681.1413	9505017.3170250766	39.60398448001596	-01.7382399	264903.093490112	437387.59435141	3617.15130629626	3398.86084596779	3313.7973682540556	3313.080903713846	100.8671632471418	85.77994265041252
163	227343	-264021.1413	9505017.3170250766	39.604002539910334	-01.7358991	265104.1544227695	437383.8749749325	3608.80384655462	3398.102778637333	3313.91188060403	3312.910771980817	102.7903981582203	85.191025625313
164	227344	-263361.1413	9505017.3170250766	39.60402066216181	-01.7335583	265305.220705275	437379.34692034	3606.55049695175	3397.331946749429	3312.921401749228	3312.921401749228	105.2078391050612	82.9540749844739
165	227345	-262701.1413	9505017.3170250766	39.60403885113885	-01.7312175	265506.28373605886	437375.250290737	3604.754349339084	3396.550280045468	3312.74426834429	3312.74426834429	107.1375171014201	79.307282725222
166	227346	-262041.1413	9505017.3170250766	39.6040566264717	-01.7288167	265707.3465535474	437371.135853349	3602.164139810292	3395.767815749507	3312.58059382567	3316.126118578923	108.9527321169094	79.631729169247
167	227347	-261381.1413	9505017.3170250766	39.60407482657472	-01.7264785	265908.4144151369	437367.907714422	3600.3715745691649	3394.9534849101	3312.41982491445	3316.126118578923	108.9527321169094	79.631729169247
168	227348	-260721.1413	9505017.3170250766	39.60409248675472	-01.7241951	266109.5194251027	437363.907714422	3598.57916322651	3393.72254133533	3312.27980170157317	3300.4915706794071	113.3423631780161	92.7359295
169	227349	-260061.1413	9505017.3170250766	39.604110324734286	-01.7218453	266310.535846027	437359.79386222	3585.087570136603	3392.332534133533	3312.04059170157317	3300.4915706794071	113.3423631780161	92.7359295
170	227350	-259401.1413	9505017.3170250766	39.60412812159225	-01.7195135	266511.594251027	437355.694617056	3578.69453722645	3391.439631964133	3311.77951406			

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgs.f	BR/ElevKgs.f	SatHtKgs.f	SatHtKgs.f
251	208	227431	-205941.1413	995017.3170250766	39.60541949219278	-101.529905	282796.8612404713	4378022.233070594	3427.0164117195983	3158.218983249295	3158.101622759947	3155.9658639502045	316.1172711
252	208	227432	-205281.1413	995017.3170250766	39.60543356939337	-101.5279642	282997.90482157417	437801.137990498	3436.007731384296	3293.5123141166308	3157.7500194102536	3157.8654119368652	316.7292407635008
253	208	227433	-204621.1413	995017.3170250766	39.60544782457255	-101.525223	283198.948638932425	437801.4453193799	3434.98961479163494	3290.8402574118577	3147.52118193713465	3147.8042674021241	313.2831650422698
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298	208	227478	-174921.1413	995017.3									

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatThLgts.ft	SatThBoth.ft
377	227557	-122781.1413	995017.3170250766	39.06083854332285	-121.2349473	368.068752363913	3685608.017673691	3255.3164147557613	310.294394374389	3020.138505969529	3009.8322405885706	98.1558430485999	99.46210879
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384	227564	-118161.1413	995017.3170250766	39.0608693962758	-121.2185604	309332.7637262941	3684643.554300278	3274.319366674314	310.1079396114525	3009.4108437753002	2977.59885301109	73.7143826	129.28310544839496
385	227565	-117501.1413	995017.3170250766	39.0609441377287	-121.2162194	309734.294475664	3684645.488975653	3278.534862869893	309.939185263126	3006.11267138075	2971.468515822385	93.2668138723113	129.4768946829563
386	227566	-116841.1413	995017.3170250766	39.06091244	-121.213875	309551.14002324	3684671.424	3279.50676752287	309.804701923235	3004.617351455577	2972.0973727814	77.174770478171	127.432391416532
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393	227573	-112221.1413	995017.3170250766	39.06096738	-121.1974816	311343.2027180996	3684642.947615642	3278.284915349481	309.9838906092967	2995.078398436602	2995.078398436602	95.8964111229275	117.1780730687728
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396	227576	-110241.1413	995017.3170250766	39.06099024565572	-121.1904686	311946.07051166263	3684640.75840684	3271.388329201699	308.673820921699	2993.290891519281	2993.74271977979	94.7329294021471	113.7160982930006
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407	227587	-102981.1413	995017.3170250766	39.0670706302173	-121.1647177	314157.234200264	368396.108306396	3260.861803978908	307.4752950406028	3007.0393242140585	3007.712345617	68.17055426984816	70.555426984816
408	227588	-102321.1413	995017.3170250766	39.06707764	-121.1623768	314358.2372	368392.846830636	3257.21832022875	307.4434368196626	3007.3024737166245	3001.890800692169	71.23602605403184	72.5837312749282
409	227589	-101661.1413	995017.3170250766	39.067084625943685	-121.1600358	314559.24981870904	368377.988718531	3253.574580237233	307.3631221230617	2998.1265861089464	2996.701415000089	75.2346351267054	76.65996023052792
410	227590	-101001.1413	995017.3170250766	39.06709156947772	-121.1576948	314760.262446341	368373.929977134	3249.930428297582	307.2822031749074	2992.995523718525	2991.385789393836	79.6697946305495	80.89362148107385
411	227591	-100341.1413	995017.3170250766	39.06709846778713	-121.1553538	314961.2475936236	368369.86989871	3245.679670828861	307.1206987202881	2991.6732834739965	2986.756274842944	84.83937238003253	84.83937238003253
412	227592	-99681.1413	995017.3170250766	39.067103208791916	-121.1530129	315162.26859369	368369.86989871	3245.679670828861	307.1206987202881	2991.6732834739965	2986.756274842944	84.83937238003253	84.83937238003253
413	227593	-99021.1413	995017.3170250766	39.06711212873193	-121.1506718	315363.2989543657	368361.71171768	3235.958369803964	306.9096020183316	2997.2124825568153	2997.88090438271	89.8481382651624	91.7673822404005
414	227594	-98361.1413	995017.3170250766	39.0671189136745	-121.1483308	315564.3107513924	368357.692249035	3227.096243915436	306.7990275110636	2997.2124825568153	2997.88090438271	91.7673822404005	91.7673822404005
415	227595	-97701.1413	995017.3170250766	39.06712560877819	-121.1458986	315765.3223771276	368347.333773154	3226.90821421509	306.6280806	2997.2124825568153	2997.88090438271	91.7673822404005	91.7673822404005
416	227596	-97041.1413	995017.3170250766	39.0671322809675	-121.1436488	315966.339231018	368345.957352495	3221.718300262016	306.5181531020215	2996.212145	2996.694856	93.6947178921414	98.96509742827128
417	227597	-96381.1413	995017.3170250766	39.0671389792887	-121.1413078	316167.3452	368345.957352495	3221.718300262016	306.5181531020215	2996.212145	2996.694856	93.6947178921414	98.96509742827128
418	227598	-95721.1413	995017.3170250766	39.0671454695467	-121.1389668	316368.356276274	368341.425924491	3219.4552572264274	306.3711311061674	2996.181652566494	2995.5747678159	101.8796746517099	103.1737639350825
419	227599	-95061.1413	995017.3170250766	39.067152308791916	-121.1367289	316572.46859616	368337.47343116	3218.25846869826	306.24582401152277	2996.181652566494	2995.5747678159	101.8796746517099	103.1737639350825
420	227600	-94401.1413	995017.3170250766	39.067158715466406	-121.134248	316770.379135334	368333.34	3217.203441	306.1560928	2995.47831819227	2995.24752	105.0825043947741	106.3134758048047
421	227601	-93741.1413	995017.3170250766	39.067164963526756	-121.1319438	316971.384637373	368329.28678572	3212.0627320105603	306.047709452143	2994.286662793786	2995.3071920498	106.1884346535696	107.32672553164502
422	227602	-93081.1413	995017.3170250766	39.067171363435	-121.1290628	317172.3988334767	368325.29791512	3212.8320332041910	305.98460573576	299			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SatTKLog.ft	SatTKhtBot.ft
500	300	227683	-39621.14133	995017.3170250766	39.60753963976106	-100.3999899	333453.6651382649	3385997.349165564	3035.5301794615743	2383.4869463142613	2868.91277976159	2867.765458108887	64.73416654710232	65.27148821
504	308	227684	-39691.14133	995017.3170250766	39.607542433	-100.3737639	333654.6615705008	3385993.103383656	3033.1988243963928	2383.3532909046792	2868.3615113430065	2867.405440573674	63.57763491330521	64.528763431130521
505	308	227685	-39801.14133	995017.3170250766	39.6075446917962	-100.3535989	333655.6578412849	3385995.045135818	3028.8674718147414	2382.9871536293657	2867.2983812063614	2867.2983812063614	62.573763428262	63.1663898182499
506	308	227686	-39741.14133	995017.3170250766	39.607547581200656	-100.3325878	333656.6530952031	3385985.233404915	3028.53163630289	2382.8172371074027	2867.202353345491	2867.3416025672903	61.61043776197191	61.47118865073344
507	308	227687	-39691.14133	995017.3170250766	39.60755137896176	-100.3306168	334257.6489993222	3385981.1957320655	3024.950481427628	2382.245046545457	2866.4113983368622	2867.7583003575983	60.834581157174925	59.48764619
508	308	227688	-39621.14133	995017.3170250766	39.60755264936621	-100.3282758	334458.6456689683	3385987.157479555	3025.110572504133	2382.5746911072087	2865.804842232966	2868.463531283708	59.6682087	57.21159823500566
509	308	227689	-39661.14133	995017.3170250766	39.60755511561098	-100.3259348	334659.6413140227	3385973.119809388	3015.270653612658	2382.0992415899648	2864.634897101985	2868.669484987348	59.4043484879436	55.40841173384229
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511	308	227691	-34341.14133	995017.3170250766	39.60755991243037	-100.3212557	335061.6296970335	3385965.045135818	3008.8674718147414	2382.5746911072087	2863.717971340083	2867.621738722493	57.88447748816728	51.32485444448923
512	308	227692	-33681.14133	995017.3170250766	39.60756224259036	-100.3189117	335262.627331494	3385961.08132868	3012.249024335565	2381.369652542315	2861.454033580933	2867.548619361381	57.884619361381	51.82029315108916
513	308	227693	-33021.14133	995017.3170250766	39.60756458333306	-100.3165707	335463.622200012	3385910.35713723	3015.07452324533	2381.791414085557	2860.320957	2865.296102527208	57.46235662178697	52.49531155833015
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515	308	227695	-31701.14133	995017.3170250766	39.60756886334137	-100.3118886	335865.611745715	3385948.89845624	3011.0074286737637	2381.6163285270529	2857.545254565347	2859.753500522447	57.09130061417409	54.88273326350404
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517	308	227697	-30381.14133	995017.3170250766	39.60757321744722	-100.3072068	336267.6005729907	3385940.82645032	3009.9249770794337	2381.11474261	2854.3051988236266	2855.1757402339687	57.12222474922274	56.30165087458316
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521	308	227701	-27741.14133	995017.3170250766	39.607581182652416	-100.8978425	337017.5763843613	3385924.6851055445	3005.3562317798626	2380.159882755237	2847.1265414435784	2845.4037862392073	57.99304681335424	59.6888018294644
522	308	227702	-27081.14133	995017.3170250766	39.60758306126445	-100.895015	337272.5690419584	3385920.65023438	3003.564918501613	2380.5112643861876	2845.1646822128547	2843.4846896460138	58.02657173371397	59.6888018294644
523	308	227703	-26421.14133	995017.3170250766	39.607584849435116	-100.8931604	337473.5633418076	3385915.61765333	3003.8329735056252	2380.198487845843	2843.69848868060	2841.4374320437845	58.9960989982244	60.44903409198516
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526	308	227706	-24441.14133	995017.3170250766	39.607591022557804	-100.8861374	338076.5425962953	3385905.51432987	2992.527541225266	2380.37705633969	2837.17867048084	2837.17867048084	58.95583517316473	59.58749675716125
527	308	227707	-23781.14133	995017.3170250766	39.6075917744217	-100.8837963	338277.5336784754	3385903.749754229	2991.7037122586385	2380.62410530647	2835.13311571309	2835.13311571309	58.92825918375547	59.58749675716125
528	308	227708	-23121.14133	995017.3170250766	39.60759383140093	-100.8814553	338478.5279820475	3385894.46306635	2990.5672165	2889.476290254247	2833.10369868072	2831.976419595096	58.97362593740219	60.5002049303762
529	308	227709	-22461.14133	995017.3170250766	39.60759494313411	-100.8791143	338679.5204397326	3385892.413	2991.437197175553	2889.476290254247	2833.10369868072	2831.976419595096	58.97362593740219	60.5002049303762
530	308	227710	-21801.14133	995017.3170250766	39.60759645941655	-100.8767733	338880.5127411164	3385888.38	2988.255077046491	2886.002211859629	2830.0154529004176	2829.13832304743	58.88678699521162	57.76339874899922
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532	308	227712	-20481.14133	995017.3170250766	39.6075997597975	-100.8720197	339282.496757815	3385882.9137417741	2984.216204850044	2880.68973	2827.83409520214	2827.83409520214	58.88678699521162	57.76339874899922
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536	308	227716	-17841.14133	995017.3170250766	39.60760460894921	-100.8627271	340086.4637748877	3385864.18672794	2974.732032273743	2867.864873	2826.073007655705	2826.849511032155	58.88678699521162	57.76339874899922
537	308	227717	-17181.14133	995017.3170250766	39.6076058807877	-100.8603361	340287.4549148497	3385860.15524295	2971.1858947166985	2864.63958280597	2824.137176001202	2824.137176001202	58.88678699521162	57.76339874899922
538	308	227718	-16521.14133	995017.3170250766	39.60760728018729	-100.8579091	340488.4455498054	3385856.124047877	2969.63940471668	2861.410526736775	2823.0154529004176	2823.0154529004176	58.88678699521162	57.76339874899922
539	308	227719	-15861.14133	995017.3170250766	39.6076087037705115	-100.8555704	340689.4365	3385852.0990345285	2967.067499172698	2858.14945782012	2823.93956408782	2823.93956408782	58.88678699521162	57.76339874899922
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541	308	227721	-14541.14133	995017.3170250766	39.6076105633424	-100.851022	341091.4717982595	3385844.031701007	2961.469413591113	2854.9822846715438	2823.573429453967	2823.573429453967	58.88678699521162	57.76339874899922
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543	308	227723	-13221.14133	995017.3170250766	39.6076126807887	-100.8463399	341493.3858280023	3385835.91246688	2961.469413591113	2854.9822846715438	2823.573429453967	2823.573429453967	58.88678699521162	57.76339874899922
544	308	227724	-12561.14133	995017.3170250766	39.6076129420571	-100.8439318	341694.388634954	3385831.34152524	2961.469413591113	2854.9822846715438	2823.573429453967	2823.573429453967	58.88678699521162	57.76339874899922
545	308	227725	-11901.14133	995017.3170250766	39.607614573078855	-100.841533	341895.388634954	3385827.2822037	2961.469413591113	2854.9822846715438	2823.573429453967	2823.573429453967	58.88678699521162	57.76339874899922
546	308	227726	-11241.14133	995017.3170250766	39.60761573075076	-100.8391758	342097.388634954	3385823.2822037	2961.469413591113	2854.9822846715438	2823.5734			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogskg.ft	BREIEvBothKrg.ft	SatBothKrg.ft	SatBothft.
629	227809	4458.85867307335	9505017.3170250766	36.0675222701915	-0.064505117	58578.0113505621	4385490.21093443	2822.393094847425	2704.739631211287	2703.0752641227177	2703.745342549252	37.66436798941095	36.952097817607375
630	227810	4458.85867307335	9505017.3170250766	36.067519172	-0.06426707	58578.98916035565	4385496.20010008	2822.394055757396	2738.072045456769	2704.649830611445	33.4252138915501	32.70161438624336	32.70161438624336
631	227811	4458.85867307335	9505017.3170250766	36.06751686907	-0.06403227	58579.781222653	4385492.19948838	2815.9008851218912	2738.072045456769	2704.649830611445	28.92343152740696	28.92343152740696	28.92343152740696
632	227812	4458.85867307335	9505017.3170250766	36.067513573182054	-0.06378987	58580.9441375823	4385478.17090893	2812.419602591591	2737.871966205011	2709.0243821455756	2709.817562356035	27.09484059435576	23.05431384045855
633	227813	4458.85867307335	9505017.3170250766	36.0675103415262	-0.06354477	58581.9921	4385474.168930254	2807.938316566811	2737.3093647464817	2712.066227019327	2712.066227019327	18.273422179091656	18.273422179091656
634	227814	4458.85867307335	9505017.3170250766	36.067507244497754	-0.06333066	58582.789646254	4385470.158828245	2803.45703542516	2727.848141830575	2708.725145320695	2708.725145320695	19.0190912290393	19.0190912290393
635	227815	4458.85867307335	9505017.3170250766	36.067504012314745	-0.06309566	58583.756805625	4385466.149256215	2800.549722305526	2725.3942691588177	2709.368158910294	2687.99451644408	16.02613326778822	37.402818094376926
636	227816	4458.85867307335	9505017.3170250766	36.06750073491168	-0.06286246	58584.18458208755	4385462.13975163	2798.213727325524	2722.975498913036	2706.727469487163	2691.686176150319	14.2481496943161	29.278818762717037
637	227817	4458.85867307335	9505017.3170250766	36.06749741222653	-0.06263826	58585.3629457201	4385458.13046786	2795.4849313497352	2720.884205691517	2700.918543674065	2700.918543674065	16.72085658195484	16.72085658195484
638	227818	4458.85867307335	9505017.3170250766	36.0674940444233	-0.06242342	58586.540444233	4385454.12054054	2796.549730669586	2718.22363234758	2700.15043100954	2699.665377435748	18.0822565530215	18.0822565530215
639	227819	4458.85867307335	9505017.3170250766	36.06749063143197	-0.06221016	58587.78247453144	4385450.11256391	2796.53444944683	2715.903169082484	2696.526257133565	2695.316080878913	20.58708203371057	20.58708203371057
640	227820	4458.85867307335	9505017.3170250766	36.06748717303457	-0.06192605	58588.7588332166	4385446.10394373	2797.8522040930043	2713.5975800526164	2693.781942923256	2693.781942923256	20.2193857668091	22.07621281748566
641	227821	4458.85867307335	9505017.3170250766	36.06748366950179	-0.06169195	58589.7730568622	4385442.09554705	2798.2442328218455	2711.343191966134	2690.7012990548845	2688.32542721637	20.61302950448845	22.98864274936928
642	227822	4458.85867307335	9505017.3170250766	36.0674801204361	-0.06145785	58590.76111656987	4385438.08736681	2800.472725306887	2709.051699271043	2688.374658529419	2685.844657763236	20.67704119162405	23.20704195780717
643	227823	4458.85867307335	9505017.3170250766	36.06747652676006	-0.06122375	58591.6817989916	4385434.07941015	2801.510875951087	2706.807625139966	2686.005211755993	2685.300396	20.6200136296825	21.507422748068782
644	227824	4458.85867307335	9505017.3170250766	36.06747286751512	-0.06098965	58592.7622602646	4385430.07167407	2802.264408	2704.58048940524	2683.83579102123	2686.081861792316	20.745210458400934	18.4862767562232
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646	227826	4458.85867307335	9505017.3170250766	36.067465437545715	-0.06052144	58594.8614225405	4385422.05866921	2803.174826991843	2700.18611908546	2680.287164344003	2684.347539179514	20.68094144153002	15.8207959058918
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653	227833	4458.85867307335	9505017.3170250766	36.067438099530036	-0.05892723	58601.43949674803	4385394.10200458	2797.615857695796	2685.1670476149394	2667.076174838306	2666.852266969933	18.9806763132177	18.8475009400126
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657	227837	4458.85867307335	9505017.3170250766	36.06742182292214	-0.05796763	58605.33194789774	4385379.75863789	2776.85119647897	2676.85119647897	2663.340657128943	2662.361135194364	14.9571115344075	14.9571115344075
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLogKrg.f	SatHtBoth.f	
15	29	227935	-367101.1413	95667.7170250766	39.602642732945945	-102.0823542	325348.2881773488	4388196.30163067	370.306807367597	3522.595018622345	3529.4176600689016	3527.465160368238	51.12775853433355	55.129857768170795
16	29	227936	-361041.1413	95667.7170250766	39.62676746392592	-102.0800136	325549.38773575703	4388192.15126651	370.26778429477097	3527.765340826446	3524.6484843062943	53.13131180530395	56.0316833782934	
17	29	227937	-360381.1413	95667.7170250766	39.60263952922618	-102.0778229	325570.4670281716	4388193.18993625	370.21497189746803	3528.039074011215	3524.9364961586824	55.12336301943475	56.0768683837452	
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19	29	227939	-359061.1413	95667.7170250766	39.6027415	-102.0729916	326152.68483185564	4388179.70874363	370.37617637042636	3575.825517377665	3522.8419448762634	53.122921212891	54.702961467175514	
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22	29	227942	-357081.1413	95667.7170250766	39.6281510686405	-102.0656997	326575.978975779023	4388167.267	370.5117094727477	370.86641430801915	3517.876481129543	53.1671621281407	53.2002009341645	
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56	29	227976	-334641.1413	95667.7170250766	39.60362084779062	-101.9863384	333593.1574555176	4388026.39804799	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052947	46.172667382194332	
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58	29	227978	-333321.1413	95667.7170250766	39.6036661646319	-101.9817049	333995.3301711566	4388019.12017615	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052947	46.172667382194332	
59	29	227979	-332661.1413	95667.7170250766	39.603689423975926	-101.9793642	334196.4236471504	4388013.98144097	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052947	46.172667382194332	
60	29	227980	-332001.1413	95667.7170250766	39.60371220427933	-101.9770235	334397.5118710652	4388009.42426029	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052947	46.172667382194332	
61	29	227981	-331341.1413	95667.7170250766	39.603734830354165	-101.9746828	334598.5984	4388005.704134	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052947	46.172667382194332	
62	29	227982	-330681.1413	95667.7170250766	39.60375761121957	-101.9723421	334799.6876503238	4388001.56871695	366.871302931329	3525.808350959175	3472.1321197823868	50.4677584205052		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
141	309	228061	-278541.1413	95667.3170250766	39.605406513991404	-101.7874209	260684.8363577856	43876.7530205006	3648.1726716293397	3142.5185158538076	3323.7099532389764	3324.338563967372	88.1156234493119	88.17987161635582
142	309	228062	-277881.1413	95667.3170250766	39.60542558	-101.7850801	26085.90376074485	43876.7530205006	3646.95365408073	3141.531259714016	3322.699712605508	3320.00672426347	91.62525303792664	91.62525303792664
143	309	228063	-277221.1413	95667.3170250766	39.60545654565456	-101.7832793	261066.97232961439	43876.7130921196	3644.912016216424	3140.284129786906	3321.882326926532	3320.364989707109	89.1816737625458	89.1816737625458
144	309	228064	-276561.1413	95667.3170250766	39.60547357	-101.7803804	261288.0403395247	43876.7100024387	3643.016824053492	3140.004215	3320.9555555555555	3320.28822	89.0096482285417	89.7159445849063
145	309	228065	-275901.1413	95667.3170250766	39.60548246653514	-101.7780576	261489.1078012108	43876.65819436073	3641.1216318920067	3140.257469751307	3320.3053080109657	3318.5264621119017	89.40421174030113	89.7306273640516
146	309	228066	-275241.1413	95667.3170250766	39.60550139127317	-101.7757168	261690.1752087087	43876.722961213	3639.2264397303284	3140.5467253076067	3319.141897473954	318.5167465	89.2042733652659	89.75929542645672
147	309	228067	-274581.1413	95667.3170250766	39.60552021649193	-101.7737359	261891.24201976482	43876.6538136159	3637.5335539968981	3407.8640701976465	3318.2440142236877	3317.655376161131	89.62005504965817	90.2068930551568
148	309	228068	-273921.1413	95667.3170250766	39.605539008441465	-101.7710351	262092.30877647485	43876.764635	3636.042974672685	3407.281171439690	3317.420796470952	3316.926872653744	89.1816737625458	90.2723017113135
149	309	228069	-273261.1413	95667.3170250766	39.6055775557168	-101.7688483	262295.3279264139	43876.8116283652	3634.552385349327	3406.525267974156	3316.499498584945	3317.343564362687	90.52976930624	90.52976930624
150	309	228070	-272601.1413	95667.3170250766	39.60557465728254	-101.7663534	262494.4415587885	43876.3827990235	3633.061816037144	3405.91425418828	3316.07360951273	3316.915192275933	89.8378159871237	88.5962451912472
151	309	228071	-271941.1413	95667.3170250766	39.60558511774015	-101.7640126	262695.506380473	43876.3791290735	3632.4316314908446	3405.72345987016	3315.8385063447295	3315.773189242804	89.432964228633	88.5387170672638
152	309	228072	-271281.1413	95667.3170250766	39.60561372504068	-101.7616718	262896.5734576698	43876.3602189535	3632.6079017159223	3404.6320825955473	3315.8986573354262	3315.66573356422923	87.77479454325303	87.77479454325303
153	309	228073	-270621.1413	95667.3170250766	39.60563229109871	-101.7593309	263097.6394025891	43876.3636819571	3632.8021519415024	3403.887366819571	3315.304057850477	3315.997010111218	87.6833090903087	87.9876691
154	309	228074	-269961.1413	95667.3170250766	39.605658011931824	-101.7569991	263298.7040337696	43876.81274920056	3632.9964021660785	3403.3359979121888	3317.103158434582	3316.576566561734	86.2323934776063	86.4792412467344
155	309	228075	-269301.1413	95667.3170250766	39.6056928754541	-101.7548492	263498.7699	43876.7170178625	3632.01994829236	3402.672884482045	3316.185837015459	3318.1704416467185	84.4904514337454	84.5058739820205
156	309	228076	-268641.1413	95667.3170250766	39.6056971793494	-101.7524384	263700.6340957328	43876.13593292328	3629.872793296827	3402.007307309703	3319.146073981133	3319.702358811013	82.857382	82.8664492
157	309	228077	-267981.1413	95667.3170250766	39.60570610311389	-101.7498975	263901.8904602874	43876.9047663139	3627.725637299656	3401.327073986554	3318.903461501272	3317.11527947924	82.439634738321	79.6158749392924
158	309	228078	-267321.1413	95667.3170250766	39.60572444306868	-101.7476267	264102.9634651203	43876.90539195702	3625.578413043465	3401.6369172130294	3316.3677859040267	3320.826179311753	84.2691313090266	79.8129682185405
159	309	228079	-266661.1413	95667.3170250766	39.60574273780384	-101.7452858	264304.0276507835	43876.9124983621	3623.0242545129636	3399.9353143874073	3321.1331162000615	3321.0781716311827	87.8021981734577	81.0645967
160	309	228080	-266001.1413	95667.3170250766	39.60576087328333	-101.742945	264505.0917038014	43875.9713928127	3620.06296264241	3399.214675887967	3307.5289536611845	3317.5586875153767	81.622086320298	81.622086320298
161	309	228081	-265341.1413	95667.3170250766	39.60577919162401	-101.7406041	264706.1554245765	43875.9310238255	3617.10163832317	3398.494502422717	3320.10251911869	3315.510787847363	85.3923703	82.3274323948374
162	309	228082	-264681.1413	95667.3170250766	39.60579300699916	-101.7382633	264918.2189712571	43875.8869704065	3614.1040419944	3397.755409747837	3320.04481465925	3315.35107181028007	86.7115951448382	86.40535995146911
163	309	228083	-264021.1413	95667.3170250766	39.605823128807474	-101.7359173	265122.965828186	43875.81184468	3612.32307009434	3396.4231987876853	3320.24353769949	3320.32463570396	120.113342670336	120.113342670336
164	309	228084	-263361.1413	95667.3170250766	39.60583335319229	-101.7335816	265309.3451951758	43875.8066310981	3608.9454500118	3396.243389773223	3321.949482639039	3315.92923377916	104.2936533828315	80.3413156
165	309	228085	-262701.1413	95667.3170250766	39.6058155660888	-101.7312407	265510.4079888329	43875.8514523411	3606.3844253746146	3395.824822357488	3320.038892036235	3317.046821140626	106.429251427296	78.2421111268291
166	309	228086	-262041.1413	95667.3170250766	39.6058953480515	-101.7288999	265711.4705512054	43875.7243681895	3603.87419718647	3394.68112399578	3320.468910289957	3315.5403816133453	120.212391274216	79.1470238239255
167	309	228087	-261381.1413	95667.3170250766	39.60588746778166	-101.726559	265912.5388252587	43875.681241025	3595.4855818336	3393.82637133316	3328.99853589518	3310.71340028719	89.8840835473917	83.16923685
168	309	228088	-260721.1413	95667.3170250766	39.60590355538225	-101.7242182	266113.594829982	43875.6420827338	3593.13717339441	3393.07419347103	3321.65891276091	3305.886437037723	117.1352870711218	87.1869623633072
169	309	228089	-260061.1413	95667.3170250766	39.605923128807474	-101.7218173	266317.654628216	43875.615783	3592.254132131108	3392.54192131108	3321.584662297616	3311.7003012616554	120.0992423947484	120.0992423947484
170	309	228090	-259401.1413	95667.3170250766	39.60594709291215	-101.7195269	266515.719819654	43875.590537858	3591.425441730584	3391.425441730584	3321.9511730584	3311.855021079669	81.856292	81.856292
171	309	228091	-258741.1413	95667.3170250766	39.6059587448764	-101.7171956	266716.779901344	43875.516730655	3575.794341183621	3390.588012774399	3321.6858959753364	3320.5682878440315	114.91941379906257	96.0197429246743
172	309	228092	-258081.1413	95667.3170250766	39.60597645	-101.7148547	266917.841080547	43875.4773756611	3572.715681372035	3389.742499557157	3321.521479532428	3321.1645482332274	98.70099997837797	98.70099997837797
173	309	228093	-257421.1413	95667.3170250766	39.605994116200014	-101.7125139	267118.9020297458	43875.436089175	3569.637021562248	3388.894806295325	3321.7190923021194	3328.61010680382	120.1710339352008	101.27929931498875
174	309	228094	-256761.1413	95667.3170250766	39.60601173245597	-101.710173	267319.967492407	43875.35672602885	3568.558361751617	3388.0164767817	3320.9121528736937	3328.1119494675683	118.119494941232	103.1031899902476
175	309	228095	-256101.1413	95667.3170250766	39.606029306714722	-101.7078321	267521.023298984	43875.3154253392	3568.77924738128	3387.176122549318	3328.06309489737	3328.262503298987	119.0930277362765	102.703024902675
176	309	228096	-255441.1413	95667.3170250766	39.60604634063714	-101.7054913	267722.8650074396	43875.2710272178	3566.23267009434	3386.21307009434	3326.21307009434	3326.21307009434	120.113342670336	120.113342670336
177	309	228097	-254781.1413	95667.3170250766	39.60606341066738	-101.7031504	267932.14332309433	43875.229719716641	3564.582410636128	3385.475422040968	3326.249629739885	3327.38252454847	121.02104596808737	107.14914740231957
178	309	228098	-254121.1413	95667.3170250766	39.60608174599719	-101.7008095	268124.2033306716	43875.2307857762	3570.340592009054	3384.6312809502622	3322.300780719881	3327.476461250455	122.3304101361418	105.1456397055672
179	309	228099	-253461.1413	95667.3170250766	39.60609913633168	-101.6984687	268325.26291073566	43875.1607800504	3573.7919145579513	3380.190873389397	3326.1747652765935	3326.1051727219015	108.9341782335772	108.9341782335772
180	309	228100	-252801.1413	95667.3170250766	39.606116481455458	-101.6961128	268526.32225705474	43875.14856	3567.9969381400034	3382.97748454299	3325.063063	3326.94656858742	124.89468502084856	110.049102857745
181	309	228101	-252141.1413	95667.3170250766	39.60613381339466	-101.6937869	268735.26379318166	43875.134434099	3565.882534505084	3382.913573116021	3325.902466509508	3321.7780237	126.266869150732	101.13891621490078
182	309	228102	-251481.1413	95667.3170250766	39.60615103601286	-101.691448	268938.4026534056	43875.63833131328	3563.76202	3381.305085774186	3325.319215565094	3321.71446493198	117.17348989160917	110.10309453438
183	309	228103	-250821.1413	95667.3170250766	39.606168549870676	-101.689173	269142.4989273058	43875.61911088	3562.4987191088	3380.4987191088	3325.319215565094	3321.71446493198	120.0992423947484	120.0992423947484
184	309	228104	-250161.1413	95667.3170250766	39.60618618490676	-101.686743	269330.5573625807	43875.6141928674	3561.077619	3379.6718810165526	3324.913368730023	3328.2697334	131.3805122853273	111.374023837252
185	309	228105	-249501.1413	95667.3170250766	39.60620									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevKgr.ft	BRElevBothKgr.ft	SatSthKgr.ft	SatSthBoth.ft
267	209	22187	-19581.1413	95667.31720520676	36.0745239915313	-101.492481	86007.63470553315	3387158.017817233	3368.9964788182364	3265.1965132086275	3132.3407420444482	3136.15490679542	3127.85777116417926	129.02402252908544
268	209	22188	-19472.1413	95667.31720520676	36.074465745193	-101.4901271	286218.6748064115	3347.8549771130015	3263.3073753544545	3131.159458	3129.74177837458	3128.7485396577464	3129.74177837458	129.02402252908544
269	209	22189	-194061.1413	95667.31720520676	36.0742906512789	-101.487304	287625.9468278782	3387158.017817233	3263.3073753544545	3131.159458	3129.74177837458	3128.7485396577464	3129.74177837458	129.02402252908544
270	209	22190	-193401.1413	95667.31720520676	36.07428360280375	-101.485425	86020.7542825454	3387145.74300521	3259.545946	3129.45153267068	3134.968906018057	3129.05739123232	3124.5769637817435	129.02402252908544
271	209	22191	-192741.1413	95667.31720520676	36.0740559021005	-101.4831042	286821.7937	3387141.652277218	3257.681275660905	3257.681275660905	3129.498289483238	3128.3654164402224	3128.3654164402224	129.02402252908544
272	209	22192	-192081.1413	95667.31720520676	36.07518714916585	-101.4807633	287022.823931589	3387141.652277218	3257.681275660905	3257.681275660905	3129.498289483238	3128.3654164402224	3128.3654164402224	129.02402252908544
273	209	22193	-191421.1413	95667.31720520676	36.0753191	-101.4784223	287223.8719393261	3387134.471030915	3432.561586648715	3253.983029102634	3130.041915066404	3131.64373433555	3124.15103803408	129.02402252908544
274	209	22194	-190761.1413	95667.31720520676	36.075405066024	-101.4760813	287424.9137803557	3387129.306053975	3431.558732168545	3252.7132083452	3130.184214578219	3131.147441884294	312.9883035452311	129.02402252908544
275	209	22195	-190101.1413	95667.31720520676	36.0755865712789	-101.473704	287625.9468278782	3387125.2965284291	3252.7132083452	3130.041915066404	3131.64373433555	3124.15103803408	312.9883035452311	129.02402252908544
276	209	22196	-189441.1413	95667.31720520676	36.075701511122	-101.471394	287826.967705114	3387121.00675094	3423.31089	3248.586159149086	3126.67867233008	3131.388779607515	318.91291574587	129.02402252908544
277	209	22197	-188781.1413	95667.31720520676	36.07580420011687	-101.4690584	288028.0288224836	3387117.11050593	3418.164778989383	3246.841759122344	3128.94751310247	3131.923505047686	317.866526019945	129.02402252908544
278	209	22198	-188121.1413	95667.31720520676	36.0759693346929	-101.4667175	288229.063846995	3387113.021498286	3412.982568626176	3245.08893204573	3126.79507808412	3134.05736378653	317.3034497171	129.02402252908544
279	209	22199	-187461.1413	95667.31720520676	36.0760980161341	-101.4643765	288430.101603709	3387108.932270374	3406.477896012996	3243.385979379343	3126.488001	3133.240191713975	316.958697214438	129.02402252908544
280	209	22200	-186801.1413	95667.31720520676	36.0762262453424	-101.4620355	288631.1392	3387104.36426855	3398.63294958104	3241.7201389832	3125.019836874633	3127.070235151932	316.958697214438	129.02402252908544
281	209	22201	-186141.1413	95667.31720520676	36.0763544223738	-101.4599486	288832.1764942016	3387100.7548771	3390.78789932014	3240.096623	3123.82585	3124.15103803408	316.958697214438	129.02402252908544
282	209	22202	-185481.1413	95667.31720520676	36.0764813470589	-101.4575356	289033.213627403	3387096.658632952	3382.942736843196	3238.5164871248126	3122.907770609598	3125.019836874633	316.958697214438	129.02402252908544
283	209	22203	-184821.1413	95667.31720520676	36.0766082155667	-101.4550128	289234.2505551814	3387092.57602555	3375.367915702963	3236.976882898016	3122.3353261078	3123.82585	316.958697214438	129.02402252908544
284	209	22204	-184161.1413	95667.31720520676	36.0767346390405	-101.4526717	289435.2873	3387088.49496515	3363.329733086703	3235.471747475847	3122.775470228457	3123.82585	316.958697214438	129.02402252908544
285	209	22205	-183501.1413	95667.31720520676	36.0768606007898	-101.4503307	289636.3238	3387084.04161423	3360.54842311894	3233.997012339191	3123.723939412137	3124.043936846387	311.264072927058	129.02402252908544
286	209	22206	-182841.1413	95667.31720520676	36.0769861236849	-101.4479897	289837.360095024	3387080.13957478	3353.15995735916	3232.548213304076	3123.3048	3125.019836874633	311.264072927058	129.02402252908544
287	209	22207	-182181.1413	95667.31720520676	36.077111782526	-101.4456487	290038.3961954043	3387076.2256467	3345.1533862116318	3231.12141425589	3124.065657162104	3125.0389691807	310.557838397964	129.02402252908544
288	209	22208	-181521.1413	95667.31720520676	36.077235796524	-101.4433078	290239.3421859568	3387072.139	3348.52897502368	3229.713302703082	3123.96277689616	3126.905911536874	310.557838397964	129.02402252908544
289	209	22209	-180861.1413	95667.31720520676	36.0773598513588	-101.441024	290446.6776949429	3387068.52329396	3342.651484894465	3229.290494783828	3123.96277689616	3126.905911536874	310.557838397964	129.02402252908544
290	209	22210	-180201.1413	95667.31720520676	36.077483651664	-101.438258	290641.50330466	3387063.96	3347.2800180171505	3226.942635105134	3126.414847866043	3127.56780051421	310.557838397964	129.02402252908544
291	209	22211	-179541.1413	95667.31720520676	36.0776089124554	-101.436248	290842.5386375537	3387059.87033581	3343.19666371822	3225.561750174665	3126.548522584545	3127.254797820163	310.557838397964	129.02402252908544
292	209	22212	-178881.1413	95667.31720520676	36.077729716382	-101.4343629	291043.5737093355	3387055.7922126	3335.641546179393	3224.220867562223	3125.303006188995	3126.971274507406	310.557838397964	129.02402252908544
293	209	22213	-178221.1413	95667.31720520676	36.0778502717949	-101.4316943	291244.608570273	3387051.7663459	3328.7071985294	3222.87668587546	3124.242714918495	3125.955690051907	310.557838397964	129.02402252908544
294	209	22214	-177561.1413	95667.31720520676	36.0779733697152	-101.4295219	291445.6432378273	3387047.60772073	3320.562991110854	3221.543915426554	3123.88999671358	3124.854881316456	310.557838397964	129.02402252908544
295	209	22215	-176901.1413	95667.31720520676	36.078095153388	-101.427304	291646.6776949429	3387043.535	3312.655148944645	3220.290494783828	3123.96277689616	3126.905911536874	310.557838397964	129.02402252908544
296	209	22216	-176241.1413	95667.31720520676	36.0782194084566	-101.425078	291847.119473554	3387039.14791105	3304.413297511675	3218.90057133225	3121.2913951882265	3125.955690051907	310.557838397964	129.02402252908544
297	209	22217	-175581.1413	95667.31720520676	36.0783369505051	-101.422239	292048.749959516	3387035.36459017	3308.16203113551	3217.640406511345	3116.8521800067474	3117.25726559377	310.557838397964	129.02402252908544
298	209	22218	-174921.1413	95667.31720520676	36.0784537030277	-101.419882	292249.7849042517	3387031.27963174	3287.914092581829	3216.30925818829	3113.703882328334	3115.381771293471	310.557838397964	129.02402252908544
299	209	22219	-174261.1413	95667.31720520676	36.0785765767255	-101.417557	292450.8134806966	3387027.19482157	3284.3833735063	3215.02295608575	3110.71833042432	3111.946265394633	310.557838397964	129.02402252908544
300	209	22220	-173601.1413	95667.31720520676	36.07869956025956	-101.415216	292651.8469	3387023.11034021	3283.747179716383	3214.022769829543	3108.42762892543	3106.42762892543	310.557838397964	129.02402252908544
301	209	22221	-172941.1413	95667.31720520676	36.07881492551818	-101.412875	292852.8802	3387019.0281010535	3287.05486195305	3212.476749591436	3108.23178532753	3103.469198174203	310.557838397964	129.02402252908544
302	209	22222	-172281.1413	95667.31720520676	36.0789327253916	-101.41054	293053.6776949429	3387014.94124265	3286.3652722426	3211.214543211825	3107.650914785157	3106.42762892543	310.557838397964	129.02402252908544
303	209	22223	-171621.1413	95667.31720520676	36.0790507003215	-101.408193	293254.5460079955	3387010.858	3287.077316333931	3209.569408426374	3106.73940536256	3106.73940536256	310.557838397964	129.02402252908544
304	209	22224	-170961.1413	95667.31720520676	36.0791680756484	-101.405821	293455.978632314	3387006.774	3283.077254435214	3208.7106272556136	3105.772400632695	3102.82059732679	310.557838397964	129.02402252908544
305	209	22225	-170301.1413	95667.31720520676	36.07928428991696	-101.403511	293657.010538439	3387002.691	3282.1167834241	3207.40762484007	3104.0331387779056	3102.82059732679	310.557838397964	129.02402252908544
306	209	22226	-169641.1413	95667.31720520676	36.0794015	-101.4011701	293858.0432730396	3386998.07904043	3281.563233630102	3206.237035975556	3102.3334152617617	3101.321975	310.557838397964	129.02402252908544
307	209	22227	-168981.1413	95667.31720520676	36.07951718990696	-101.3988291	294059.0752902277	3386994.62946071	3280.659888711272	3205.009912287065	3099.9266324182004	3099.9266324182004	310.557838397964	129.02402252908544
308	209	22228	-168321.1413	95667.31720520676	36.0796335054747	-101.396481	294260.171050017	3386990.42236815	3280.659888711272	3205.009912287065	3099.9266324182004	3099.9266324182004	310.557838397964	129.02402252908544
309	209	22229	-167661.1413	95667.31720520676	36.0797498405624	-101.394181	294461.271050017	3386986.189446525	3280.659888711272	3205.009912287065	3099.9266324182004	3099.9266324182004	310.557838397964	129.02402252908544
310	209	22230	-167001.1413	95667.31720520676	36.0798662331007	-101.391861	294662.170129761	3386982.27461852	3280.659888711272	3205.009912287065	3099.9266324182004	3099.9266324182004	310.557838397964	129.02402252908544
311	209	22231	-166341.1413	95667.31720520676	36.0799770419668	-101.389451	294863.201339635	33						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRVElevKgr.f	BRVElevBothKgr.f	LatBothKgr.f	LatBoth.f
393	208313	-112221.1413	95667.3170250766	39.60870032581244	-101.1975015	311347.09507988486	4386644.229309877	3273.644423544816	300.0625759021004	2993.9068590012721	2973.332976819561	96.15776168893762	116.27595906253961	
394	208314	-111561.1413	95667.3170250766	39.60876789	-101.1951605	311548.1102520511	4386640.733943817	3270.6424110598964	308.96053134072785	2992.770426	2972.5675706884857	96.19006749	115.77494273482326	
395	208315	-110901.1413	95667.3170250766	39.60876192524567	-101.1938194	311749.1252183133	4386636.74892438	3269.627837408546	2992.3274833081796	2993.523252	2972.3274833081796	96.352025252	114.536073819367	
396	208316	-110241.1413	95667.3170250766	39.608803192107246	-101.1904784	311950.140676777	4386630.650933493	3269.56934691596	308.953357035	2991.419400527805	2972.837745	96.341102829339	96.31153544289347	
397	208317	-109681.1413	95667.3170250766	39.6088107237543	-101.1881373	312151.1548262487	4386627.976649748	3269.854217247285	308.644550291885	2990.82871565766	2972.35134232705	94.820853462228	113.1152308064576	
398	208318	-108921.1413	95667.3170250766	39.60881260117581	-101.1857963	312352.1639601501	4386623.630845825	3270.139907585025	308.6436985101615	2990.67438336686	2972.470231891092	93.6754387049281	112.0791499182265	
399	208319	-108261.1413	95667.3170250766	39.60882565137165	-101.1834552	312553.1836007787	4386618.951710854	3269.85149305727	2991.630984641345	2975.0121071893227	90.0571646625927	108.423919164055		
400	208320	-107601.1413	95667.3170250766	39.60883304741825	-101.181142	312754.1971236443	4386615.789576565	3268.19690420718	308.236249749595	2992.366949184935	92.6762621524693	89.679178211039	103.7081332712563	
401	208321	-106941.1413	95667.3170250766	39.6088403698805	-101.178772	312955.2116419014	4386611.72785657	3268.328356201981	308.2391314546772	2994.227823272711	90.71035091	96.8797831545897		
402	208322	-106281.1413	95667.3170250766	39.6088470330522	-101.1764321	313156.2253871702	4386607.650767224	3265.416211195647	308.14500518457	2997.0644431687197	2988.211356729132	83.0058045562472	91.5330454562472	
403	208323	-105621.1413	95667.3170250766	39.6088546389838	-101.1740911	313357.239	4386603.604511471	3264.389562304832	307.935325135053	3000.538205052776	93.832519583991	78.5100401802762	85.2207735961438	
404	208324	-104961.1413	95667.3170250766	39.60886217896583	-101.17175	313558.252332215	4386599.54272315	3263.725551652945	307.764504866499	3004.786242268203	90.0021461735744	73.1784216396782	77.74293313102454	
405	208325	-104301.1413	95667.3170250766	39.608869348807566	-101.169409	313759.265315879	4386595.482	3263.065662099405	307.8674826099405	3000.2696028585497	90.0021649427825	67.86869795	69.8548318207798	
406	208326	-103641.1413	95667.3170250766	39.60887647	-101.167079	313960.2785491399	4386591.421	3262.400583204919	307.5790456237265	301.8278620346194	90.00224401634503	66.842277532345	63.6443939818617	
407	208327	-102981.1413	95667.3170250766	39.6088835281387	-101.1647269	314161.2913850745	4386587.360891862	3260.32289018029	307.47098821965037	301.0228974866517	90.00227304179266	63.68989425	63.6368708867815	
408	208328	-102321.1413	95667.3170250766	39.60889058697839	-101.162385	314362.304391696	4386583.30434771	3258.82777662037	307.634358599963	3005.194277008255	90.00449618029677	64.401085091764	69.1347666012866	
409	208329	-101661.1413	95667.3170250766	39.6088975759171	-101.160048	314563.316129168	4386579.794240033	3258.762228057385	307.5622428057783	2998.79209700434	90.007589738161275	73.7014571134214	74.872506644501	
410	208330	-101001.1413	95667.3170250766	39.60890451963007	-101.1577037	314764.3280523785	4386575.180520498	3249.841757838535	307.493750064196203	2992.9823830519044	90.00738116222185	80.10560946170347		
411	208331	-100341.1413	95667.3170250766	39.60891144181723	-101.1553627	314965.3406176364	4386571.12084303	3248.98427818014	307.4028610009701	2987.7140307269124	2985.874732905044	84.5557673196462	84.2533657196462	
412	208332	-99681.1413	95667.3170250766	39.60891827	-101.1530216	315166.3528470267	4386567.01389645	3246.76647892537	306.93647892537	2982.975491	2980.9742223697143	81.7600892324665	80.96525558953	
413	208333	-99021.1413	95667.3170250766	39.608925079414135	-101.1506806	315367.3648525875	4386562.002159208	3245.33975665915	306.3089362516293	2978.68448432774	2977.375301030254	80.9185841882398	90.9284526080398	
414	208334	-98361.1413	95667.3170250766	39.60893184	-101.148339	315568.371686393	4386559.343152096	3244.55975865915	306.245975865915	2974.758912303618	2977.37530103173781	80.9146016061796	93.71831518368342	
415	208335	-97701.1413	95667.3170250766	39.60893869760323	-101.146091	315769.3859501545	4386554.88438272	3243.638515843714	306.138515843714	2974.758912303618	2977.37530103173781	80.9146016061796	93.71831518368342	
416	208336	-97041.1413	95667.3170250766	39.6089452321693	-101.1436574	315970.3886961854	4386550.82905745	3242.729034217	305.13745956495	2975.95563041782	2966.643651042255	97.1816657238674	98.4930461724604	
417	208337	-96381.1413	95667.3170250766	39.60895186	-101.1413163	316171.4099007705	4386546.76468525	3241.82030359957	305.042003395346	2964.807932210921	2966.643651042255	97.1816657238674	98.4930461724604	
418	208338	-95721.1413	95667.3170250766	39.6089584120719	-101.1389753	316372.420754441	4386542.70354589	3240.91131028769	305.032601356959	2961.889876177686	2961.889876177686	90.31259491905	103.0875110033063	
419	208339	-95061.1413	95667.3170250766	39.6089646778847	-101.1366342	316573.4314250306	4386538.65146326	3240.01581470406	305.068288627115	2959.18934220448	2957.224978195277	102.7789463062636	104.7431731434257	
420	208340	-94401.1413	95667.3170250766	39.60897146934183	-101.1342932	316774.4419186843	4386534.59376951	3239.017760810829	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
421	208341	-93741.1413	95667.3170250766	39.60897785702098	-101.1318621	316975.4522359885	4386530.536382997	3238.0139745289647	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
422	208342	-93081.1413	95667.3170250766	39.6089843165722	-101.1296111	317178.462391110	4386526.417913110	3237.0182829904	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
423	208343	-92421.1413	95667.3170250766	39.6089905724932	-101.12727	317377.4723280502	4386522.42133867	3236.012164585912	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
424	208344	-91761.1413	95667.3170250766	39.60899698	-101.1249289	317578.482107968	4386518.36539458	3235.01846866967	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
425	208345	-91101.1413	95667.3170250766	39.6090034822452	-101.1225879	317779.4911070327	4386510.348080275	3234.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
426	208346	-90441.1413	95667.3170250766	39.60900946832314	-101.1202468	317980.501134365	4386505.120480039	3233.015749229513	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
427	208347	-89781.1413	95667.3170250766	39.60901564319576	-101.1179958	318181.51081195	4386506.19637595	3232.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
428	208348	-89121.1413	95667.3170250766	39.6090217284237	-101.1155647	318382.519403739	4386502.176309397	3231.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
429	208349	-88461.1413	95667.3170250766	39.60902785726204	-101.1132237	318583.52834318543	4386498.084836355	3230.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
430	208350	-87801.1413	95667.3170250766	39.60903396457504	-101.1108826	318784.5370587354	4386494.02940458	3229.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
431	208351	-87141.1413	95667.3170250766	39.60903890	-101.1085415	318985.5456974673	4386489.14784856	3228.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
432	208352	-86481.1413	95667.3170250766	39.60904583916843	-101.106205	319186.554	4386485.91919622	3227.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
433	208353	-85821.1413	95667.3170250766	39.60905174268481	-101.103894	319387.5621422944	4386481.86439349	3226.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
434	208354	-85161.1413	95667.3170250766	39.60905760059152	-101.1015184	319588.5701563307	4386477.50891428	3225.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
435	208355	-84501.1413	95667.3170250766	39.60906371782705	-101.099239	319789.5782107968	4386473.43431212	3224.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
436	208356	-83841.1413	95667.3170250766	39.60906981187741	-101.096932	319990.5856918244	4386469.70147505	3223.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
437	208357	-83181.1413	95667.3170250766	39.60907490448937	-101.0944952	320191.5931324355	4386465.64760284	3222.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.086271194272	106.08405188479345	
438	208358	-82521.1413	95667.3170250766	39.60908058187522	-101.0921541	320392.6004402716	4386461.59392638	3221.015504404809	305.060132140388	2956.8175050209916	2954.821630245993	104.0862711		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBoth.ft	SurfElevBoth.ft
49	22849	-29061.14133	95667.3170250766	39.60939025318914	-100.9025271	336673.6296418369	438613.9885060415	3208.22637321886	2907.458421067216	2851.336810416334	2851.8214635802856	56.5449557486930456	
50	22840	-29041.14133	95667.3170250766	39.6093922213309	-100.900186	336874.62318101665	43860.954295123206	3005.842497028887	2849.563491702888	2849.563491702888	56.5449557486930456	56.5449557486930456	
51	22841	-27381.14133	95667.3170250766	39.60939414572065	-100.8878489	336881.5742658651	43861.07179278629	2804.304778549173167	2804.304778549173167	2804.304778549173167	56.5449557486930456	56.5449557486930456	
52	22842	-27081.14133	95667.3170250766	39.60939624081233	-100.8850309	337276.6099851233	43861.2183024786	3006.262521633571	2905.78249	2849.021155	2849.3459998148776	56.5449557486930456	
523	22843	-26242.14133	95667.3170250766	39.60939785271517	-100.8931628	337477.60315047606	43861.71848309181	3005.5841704169757	2811.332484044674	2844.296197194483	2842.5762955314276	56.5449557486930456	
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529	22849	-22651.14133	95667.3170250766	39.6094070625704	-100.8791163	338683.5588415574	43860.93446508	3001.2757127156647	2809.461204700875	2832.9630056914715	2832.3615004436777	56.5449557486930456	
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565	22885	1298.58677303514	95667.3170250766	39.6094349005469	-100.7948372	345919.176482129	43859.59066658	2804.864414635937	2804.864414635937	2867.71821723286	2867.71821723286	56.5449557486930456	
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568	22888	3278.58677303514											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SurfBothKrg.ft	SatHBothKrg.ft
645	208	228565	54098.8586730335	95667.7170250766	-09.60928216999754	-00.6075057	361987.6489221755	4385627.27	2793.445000511273	2701.6853198786616	2682.0253084234437	2680.535939038774	19660011455217955	21.14992038987722
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659	208	228579	63288.8586730335	95667.7170250766	-09.60922530808976	-00.5747756	364811.2952109525	4385571.995175297	2792.236784287177	2672.86778003128	2659.787728124344	2659.787728124344	15.259704484849593	15.070201420323887
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672	208	228592	71918.8586730335	95667.7170250766	-09.609165585107354	-00.5443417	367423.93809296046	4385519.16314535	2792.7666747598074	2657.607284633323	2640.083671165046	2640.056238145038	17.52360748	17.55104489894133
673	208	228593	72578.8586730335	95667.7170250766	-09.6091606823735	-00.5426132	367624.8190275664	4385515.16758301	2792.184756580154	2656.62701903764	2638.800025486574	2638.72007578473	20.79700784	20.79700784
674	208	228594	73238.8586730335	95667.7170250766	-09.6091563814238	-00.5403924	367825.1134422004	4385511.135422004	2793.777792902023	2655.618379819151	2637.130501729984	2637.130501729984	20.3198519867335	20.3198519867335
675	208	228595	73898.8586730335	95667.7170250766	-09.60915059682048	-00.5373185	368026.8533711447	4385507.152430174	2792.646420014232	2654.7179586267785	2626.6434565307485	2626.427127801332	17.608601209620938	28.290740028154804
676	208	228596	74558.8586730335	95667.7170250766	-09.609145510272626	-00.5349774	368227.8427244006	4385503.151639195	2793.7899623565418	2621.789920955763	2621.68069953532	21.790758	32.1092630060644	32.1092630060644
677	208	228597	75218.8586730335	95667.7170250766	-09.6091403784953	-00.5326364	368428.7961016797	4385495.10509263	2792.473953309805	2621.365389626	2621.6266432819525	2621.74262013099207	35.2542721076339	35.6387640
678	208	228598	75878.8586730335	95667.7170250766	-09.60913520149817	-00.5302953	368629.7657050996	4385491.57023064	2792.74832999153	2621.941960303368	2617.091863212955	2617.091863212955	39.4054932418302	39.4054932418302
679	208	228599	76538.8586730335	95667.7170250766	-09.6091299752716	-00.5279432	368830.7383628141	4385491.150592499	2795.133054972762	2619.133054972762	2618.410938030588	2618.2739713039574	32.79911742073994	32.8565725804476
680	208	228600	77198.8586730335	95667.7170250766	-09.60912471181675	-00.5256132	369031.7032511915	4385487.150958544	2795.0148095817	2619.0148095817	2618.47789371715	2618.47789371715	30.7472306770593	30.7472306770593
681	208	228601	77858.8586730335	95667.7170250766	-09.60911933913971	-00.5232721	369232.6801621806	4385483.150998901	2795.52038551494	2619.48330659447	2617.560742298502	27.91266027589025	27.9318470393657	27.9318470393657
682	208	228602	78518.8586730335	95667.7170250766	-09.60911404123444	-00.520931	369433.6506642378	4385479.15134957	2792.98930403172	2648.70406258939	2623.409746241373	2623.3896458251322	25.2941347347993	25.4123199722943
683	208	228603	79178.8586730335	95667.7170250766	-09.609108638102974	-00.51859	369634.6214414624	4385475.152291041	2792.7656049746159	2625.3646504587317	2625.3496042803043	25.294104697421	25.60686796852792	25.60686796852792
684	208	228604	79838.8586730335	95667.7170250766	-09.6091039	-00.5162489	369835.5918940704	4385471.13526229	2795.5512014408266	2647.201944083643	2627.3485955273347	2627.40712145477	19.59819880557334	19.59819880557334
685	208	228605	80498.8586730335	95667.7170250766	-09.6090978616147	-00.5139079	370036.562227673	4385467.15466331	2794.7793538890634	2646.5599779126343	2629.50720094994	2629.50720094994	17.0491579313491	16.8791728444164
686	208	228606	81158.8586730335	95667.7170250766	-09.609092157351455	-00.5119688	370237.5324626006	4385463.15858336	2794.010195274146	2645.3064294165956	2631.7719965701785	2631.7719965701785	14.1342978458105	13.85083933669476
687	208	228607	81818.8586730335	95667.7170250766	-09.60908751934965	-00.5097319	370438.6209352977	4385463.15858336	2794.010195274146	2645.3064294165956	2631.7719965701785	2631.7719965701785	14.1342978458105	13.85083933669476
688	208	228608	82478.8586730335	95667.7170250766	-09.6090830045297	-0								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtElevLog.ft	SatHtBoth.ft
31	310	228691	-351141.1413	9663337.3170250766	-36.00484627960501	-102.0449347	238570.0062184751	4388331.286239798	3707.3596024158624	3555.2280006022298	3501.629719204317	3506.744269922855	538828214	48.483703139443196
32	310	228692	-350481.1413	9663337.3170250766	-36.004870317645156	-102.0429584	238711.0136957388	4388327.141104346	3702.2725484183356	3553.764114494801	3499.263867409399	3505.453826650678	54.50024708549199	48.30973182943353
33	310	228693	-349821.1413	9663337.3170250766	-36.00489430269699	-102.0400253	238922.19626198117	4388222.98195305	3697.091366720849	3552.321302056861	3504.3877311964873	3507.232537898478	57.8341486	47.8341486
34	310	228694	-349161.1413	9663337.3170250766	-36.00491851267373	-102.0379125	239173.2900959233	4388318.511527373	3691.9572481233427	3550.9023871391214	3504.915808944694	3503.934706006213	55.9865781391741835	46.96737132850086
35	310	228695	-348501.1413	9663337.3170250766	-36.00494216007127	-102.0355718	239374.38527158502	4388314.705064461	3688.7148682189774	3549.5051289896214	3492.4653323649227	3507.36303069671	57.03979573486699	42.041198430150416
36	310	228696	-347841.1413	9663337.3170250766	-36.00496602	-102.0323211	239575.47389181813	4388316.56262605	3684.34586059137	3548.13046589147	3490.241022583635	3509.782091224379	57.8894632578055	38.3475852803794
37	310	228697	-347181.1413	9663337.3170250766	-36.0049892090964	-102.0308093	239776.5732481834	4388306.491	3686.014781963506	3546.784996649949	3488.1199640432274	3513.783351506841	58.65849592218181	32.99510845662623
38	310	228698	-346521.1413	9663337.3170250766	-36.0050139565498	-102.0284956	239977.6668510214	4388302.275046077	3684.66373085307	3545.44889597207	3486.313703087212	3518.27059673677	58.1339521449502	27.17793834326904
39	310	228699	-345861.1413	9663337.3170250766	-36.005037817084256	-102.0265088	240176.7601956358	4388298.131465309	3682.897095174883	3544.1414561829442	3484.126834422278	3521.096271503339	58.45418451868864	47.32837274071668
40	310	228700	-345201.1413	9663337.3170250766	-36.0050629832795	-102.0236981	240376.933283073	4388293.989171032	3680.713810652558	3542.85455160559	3483.5360529469673	3516.0905638218	59.31402213591158	26.74498771431105
41	310	228701	-344541.1413	9663337.3170250766	-36.0050846249492	-102.0215274	240580.9841133654	4388289.845037047	3678.530699565354	3541.75912489412	3482.339715	3516.691524415395	59.2475761126232	23.89576073972598
42	310	228702	-343881.1413	9663337.3170250766	-36.00510821001176	-102.0191866	240782.0386691725	4388285.7020214195	3676.347542840097	3540.334503410818	3481.3649989322075	3511.780684616582	58.969541087424	28.553784642499713
43	310	228703	-343221.1413	9663337.3170250766	-36.005131750641156	-102.0168459	240983.1310032451	4388281.56	3672.6483290776288	3539.096831751776	3480.50569326727	3506.153542504883	58.431288682807	34.1841328688207
44	310	228704	-342561.1413	9663337.3170250766	-36.005155498999	-102.0145051	241184.2230641416	4388277.411371778	3667.43604665402	3537.8739628292265	3480.031484088238	3500.015139260206	57.8421219609861	37.8582453213238
45	310	228705	-341901.1413	9663337.3170250766	-36.0051789612281	-102.0121644	241385.3416685993	4388273.274844556	3662.22272723395	3536.6623790282865	3478.646965058776	3497.517137075594	57.015413296550536	39.5105260207271
46	310	228706	-341241.1413	9663337.3170250766	-36.00520210103892	-102.0098236	241586.048168777	4388269.132978572	3657.002487796214	3535.4574671811532	3479.35055754006	3496.1757751785167	58.106177812606	39.28096673301525
47	310	228707	-340581.1413	9663337.3170250766	-36.00522546073889	-102.0074828	241787.497709353	4388264.991	3653.364873025478	3534.281129319144	3478.84587	3494.72157178933	58.492959265243	35.92657302277505
48	310	228708	-339921.1413	9663337.3170250766	-36.0052487522252	-102.0051421	241988.5887462307	4388260.849724594	3651.288922911315	3533.048260178087	3478.1571762496196	3491.7860045705865	58.4676497818904	41.2442210397721
49	310	228709	-339261.1413	9663337.3170250766	-36.0052704448971	-102.0028013	242189.6782744748	4388256.78437218	3649.212972796787	3531.7756510807943	3477.383227916397	3490.382452306603	58.43921827115455	41.387198107813397
50	310	228710	-338601.1413	9663337.3170250766	-36.0052952685403	-102.0004066	242390.7700547028	4388252.56731314	3647.130226607424	3530.495255369632	3476.4779453738483	3488.710308	58.401730999578376	41.78494786033027
51	310	228711	-337941.1413	9663337.3170250766	-36.005318447374664	-101.9981198	242591.86053242604	4388248.42651341	3640.471755504843	3529.188030845142	3475.32106363992	3486.138968289303	58.36627012704969	42.47906207111157
52	310	228712	-337281.1413	9663337.3170250766	-36.005341580992234	-101.995679	242792.7925903	4388244.25693224	3635.2717174309138	3527.3678328	3473.196107762436	3484.279102603612	53.90276034	43.58471504069993
53	310	228713	-336621.1413	9663337.3170250766	-36.00536470359768	-101.9930497	242993.5734199912	4388240.0407040045	3630.596773885737	3526.15841115997	3471.8446455128	3485.357793193385	57.74584566383938	47.1817473945303
54	310	228714	-335961.1413	9663337.3170250766	-36.005387712577816	-101.9910765	243195.12961171416	4388236.05304903	3625.8480031717727	3525.19736867485	3470.2114274633354	3477.035418	54.96530440145978	48.16231915308524
55	310	228715	-335301.1413	9663337.3170250766	-36.00541071045534	-101.9887567	243396.21865524034	4388231.86548483	3618.59629920478	3523.865524172282	3468.119185605693	3471.302464944131	54.7542387665894	52.5630594073978
56	310	228716	-334641.1413	9663337.3170250766	-36.0054336239657	-101.986416	243597.3076842636	4388227.726	3617.304178514358	3522.353608	3466.181612048216	3465.293424769534	56.355195683598595	57.2843052586632
57	310	228717	-333981.1413	9663337.3170250766	-36.005456578030796	-101.9840752	243798.396160768	4388218.52884195	3614.061850517438	3521.212236351452	3464.5337207860794	3464.1335954093812	55.0764951700558	55.0764951700558
58	310	228718	-333321.1413	9663337.3170250766	-36.00547943314821	-101.9817344	243999.4851029998	4388219.47033029	3608.726728014185	3519.891784494555	3463.104928	3465.70562001851	56.78685968720432	54.1861669270448
59	310	228719	-332661.1413	9663337.3170250766	-36.0055022938576	-101.9793857	244200.5734199912	4388215.36800452	3606.596773885737	3518.78504115997	3462.1910235162523	3465.357793193385	57.74584566383938	47.1817473945303
60	310	228720	-332001.1413	9663337.3170250766	-36.00552546073889	-101.9770328	244401.1613278329	4388211.16502992	3604.59159820598	3517.261358502586	3460.63058519496	3465.100990018589	56.67500113278152	52.1605561150049
61	310	228721	-331341.1413	9663337.3170250766	-36.00554748779907	-101.9747121	244602.74906058723	4388207.30637603	3600.619021831233	3515.050289673307	3459.3651236228607	3465.284427455778	58.58851625044649	50.6586113
62	310	228722	-330681.1413	9663337.3170250766	-36.00557043024878	-101.9727313	244803.83651417238	4388202.892294198	3597.649432181214	3514.6412379138947	3458.1531455565555	3465.8354052947204	58.46096791974225	48.80569761974225
63	310	228723	-330021.1413	9663337.3170250766	-36.00559306681426	-101.9700306	245004.9237689003	4388198.754	3596.258083427593	3513.333161082043	3456.97378651026	3466.43927861693	58.3593745683679	46.8939515245233
64	310	228724	-329361.1413	9663337.3170250766	-36.0056165749998	-101.9676898	245206.0174403812	4388194.61627789	3596.52715293	3512.0227780048463	3455.839150310492	3464.25367176483	56.4831769435407	45.8995291
65	310	228725	-328701.1413	9663337.3170250766	-36.0056380232543	-101.965349	245409.0796777997	4388190.47861035	3596.797007578857	3510.709195	3454.659565904335	3464.85798772834	56.0525837192635	45.85195110362939
66	310	228726	-328041.1413	9663337.3170250766	-36.0056597387671	-101.9630497	245609.18339305	4388185.31169012	3597.06121371	3509.291785047504	3453.588716490516	3462.210235162523	55.80350194963375	47.1817473945303
67	310	228727	-327381.1413	9663337.3170250766	-36.0056815920476	-101.960674	245809.2701591462	4388179.30363842	3597.27001512742	3508.07072782528	3452.66376466292	3461.9162942606	55.4483923100747	48.9839323100747
68	310	228728	-326721.1413	9663337.3170250766	-36.0057059387574	-101.9583266	246010.3567252568	4388178.0966483	3597.41506651107	3506.743758401137	3451.175196056493	3460.8418008064	55.5691797834636	50.89935704004529
69	310	228729	-326061.1413	9663337.3170250766	-36.0057299343707	-101.9558859	246211.4418446473	4388173.30210192	3597.55709709292	3505.413908314985	3449.9197952800955	3453.906370379043	55.4941130514032	51.07537059592416
70	310	228730	-325401.1413	9663337.3170250766	-36.00575025402922	-101.9536451	246412.52731071442	4388169.7936526	3597.6990538075675	3504.07089036059	3448.631144124075	3452.184400918174	55.4476685184972	51.8494091
71	310	228731	-324741.1413	9663337.3170250766	-36.0057728528399	-101.9513043	246613.6152529314	4388165.65735479	3596.727502749837	3502.739100971698	3447.0468101393194	3451.564182923008	55.69229065005335	52.19418074611724
72	310	228732	-324081.1413	9663337.3170250766	-36.00579437801334	-101.9498363	246814.6949051394	4388161.52170337	3591.6419129003367	3501.3948725895348	3445.9802639576	3450.82926965308	55.89997455	52.50194588979018
73	310	228733	-323421.1413	9663337.3170250766	-36.00581631887614	-101.9475938	247015.78016214	4388157.25036967	3590.745476790133	3500.45476790133	3444.299611218900	3447.2362944073929	55.74584566383938	47.1817473945303
74	310	228734	-322761.1413	9663337.3170250766	-36.00583890071456	-101.9442919	247216.8667852984	4388153.24777844	3591.7310623015596	3498.69347969321	3442.916284734376	3448.38731392993	57.17494985043	53.1096830059248
75														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIveLogKgr.f	BREIveBothKgr.f	SatThKlog.f	SatThBoth.f
157	210	228817	-267981.1413	9636337.3170250766	39.60751897234264	-101.7499913	602696.0254441574	4387810.77985998	3629.744075221014	3800.1850346066778	3322.7933405838307	3324.839516858095	37.9196267848702	75.3454871
158	210	228818	-267321.1413	9636337.3170250766	39.607537312769956	-101.7476033	60271407.0896	4387806.661963459	3627.4235988751434	3399.50965058826	3319.175988173497	3303.194159119768	80.33362139417272	76.35940639785767
159	210	228819	-266961.1413	9636337.3170250766	39.607555697259868	-101.7463094	604308.1538718136	4387802.54678316	3624.918405	3398.821487210242	3331.258513783652	3330.331257935183	76.66492491564478	75.4902911564478
160	210	228820	-266001.1413	9636337.3170250766	39.6075738579117	-101.7429685	604509.217388796	4387798.40534338	3622.2014946359814	3399.11338659471	3317.746604731341	3318.080552112675	80.0387656469073	80.0387656469073
161	210	228821	-265341.1413	9636337.3170250766	39.607592062735876	-101.7406276	604710.2808271718	4387794.314566393	3619.4848352521716	3302.402693631811	3302.908132691414	3316.695220662728	80.0406604309715	80.07472729680303
162	210	228822	-264681.1413	9636337.3170250766	39.6076102227766	-101.7382867	604911.3412346315	4387790.79847238	3616.7676732143623	3306.672250050037	3306.66598413635	3315.9727257558	80.0626636	80.69954277480292
163	210	228823	-264021.1413	9636337.3170250766	39.60762836602424	-101.7359458	605112.4071428763	4387786.08258541	3614.005657373446	3305.9290991569037	3294.81183134235505	3315.9727257558	80.01159957333337	80.01225135
164	210	228824	-263361.1413	9636337.3170250766	39.60764646504024	-101.7336049	605313.469906307	4387781.986	3611.196537303244	3305.173801252665	3294.414581155103	3315.620815716006	80.0322209816527	79.5528653666489
165	210	228825	-262701.1413	9636337.3170250766	39.607664625959868	-101.7313454	605514.6324989847	4387778.265289167	3608.3914169329923	3304.4038753070854	3298.471238915763	3314.68152425884	80.032655913221	79.72235104849139
166	210	228826	-262041.1413	9636337.3170250766	39.60768240824464	-101.7289231	605715.59481191076	4387773.73802746	3605.584227	3303.62072597493	3295.857016949513	3313.0497501424714	80.0735092581	80.0735092581
167	210	228827	-261381.1413	9636337.3170250766	39.60770034168322	-101.7265822	605916.6569565752	4387769.3386331	3603.053807141826	3302.8249737860306	3293.4348593334257	3312.362271591165	80.03910145260485	82.46275619
168	210	228828	-260721.1413	9636337.3170250766	39.60771822990056	-101.7242412	606117.176899083	4387765.50895458	3594.796667188011	3302.017254551604	3301.1368964252574	3306.426757856244	80.0803581263444	85.0969696353761
169	210	228829	-260061.1413	9636337.3170250766	39.6077367289687	-101.7219003	606318.7804014658	4387761.39477559	3588.554356763839	3301.19821065323696	3279.044723893778	3302.476972749337	80.11543189229179	88.72123778
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171	210	228831	-258741.1413	9636337.3170250766	39.6077716323296	-101.7172785	606720.9029757373	4387753.19681227	3579.457524543143	3300.3897704957646	3274.9467448492578	3295.165954452031	80.115499007152713	94.36211304339304
172	210	228832	-258081.1413	9636337.3170250766	39.607789330558184	-101.7149814	606921.963910110587	4387749.053370777	3574.30358657283	3308.6795074635176	3273.113390385556	3295.54106823164	80.115681084250956	97.32145894
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177	210	228837	-254781.1413	9636337.3170250766	39.607877188902256	-101.7031729	607927.2618293264	4387728.48942575	3565.90816760752	3304.394611345262	3284.121657386613	3279.384565729816	80.11565810696843	105.009597928004
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179	210	228839	-253461.1413	9636337.3170250766	39.60791210569768	-101.698445	608329.735220918	4387720.368492403	3562.52566774345	3302.7190421592014	3281.476892382057	3275.92140747031	80.11565810696843	110.34145297579572
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193	210	228853	-244221.1413	9636337.3170250766	39.6081617738898	-101.665718	611142.190924765	4387663.19681227	3530.622404919167	3300.347604374433	3250.66404874893	3274.661316065475	80.11565810696843	110.34145297944710
194	210	228854	-243561.1413	9636337.3170250766	39.6081816502025	-101.663377	611343.2486579149	4387659.61434146	3528.421592714305	3300.347604374433	3250.66404874893	3274.661316065475	80.11565810696843	110.34145297944710
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199	210	228859	-240261.1413	9636337.3170250766	39.608284630317868	-101.651681	612349.528330963	4387639.47801304	3517.4462714305	3300.347604374433	3250.66404874893	3274.661316065475	80.11565810696843	110.34145297944710
200	210	228860	-239601.1413	9636337.3170250766	39.6083056729808	-101.6493313	612551.7773484185	4387635.96860072	3515.252204919167					

ix	iy	Xc	X.f	Y.f	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatHtLog.f	SatHtLog.f
283	283	228943	-184821.1413	9636337.3170250766	39.60947374155029	-101.455029	28928.3470905487	4387293.85363253	373.6589026721956	32.32630097671734	3120.563134950164	3121.3767916099746	115.7577261700932	114.94411595719885
284	284	228944	-184161.1413	9636337.3170250766	39.60946639303343	-101.452688	28943.38937359532	4387289.76685703724	324.8305032037367	3120.459685500383	3121.2056399725243	114.18963369725243	114.18963369725243	114.18963369725243
285	285	228945	-183501.1413	9636337.3170250766	39.60945869819276	-101.450349	28964.41896502128	4387285.677241733	325.9328256248896	3120.85328256248896	3121.510284627865	112.5137827114113	111.8412940468411	111.8412940468411
286	286	228946	-182894.1413	9636337.3170250766	39.60951153	-101.448059	28981.45592075184	4387281.589318264	321.3042335555464	3121.2947001312496	3122.1586942018916	110.7817233564585	108.7162139354585	108.7162139354585
287	287	228947	-182181.1413	9636337.3170250766	39.60952403961518	-101.456649	29002.4949	4387277.55743564	326.075875643564	3230.529696922759	3121.8532323691693	112.32306478181427	108.6766375535899	107.59902200461627
288	288	228948	-181521.1413	9636337.3170250766	39.6095360175986	-101.443328	29023.5275422003	4387273.414331033	329.136892031484	3122.56983371847	3122.70716807321	106.567052713045	105.467052713045	105.467052713045
289	289	228949	-180861.1413	9636337.3170250766	39.60954891370588	-101.440928	29046.562939824	4387269.32145043	331.2923903166346	3123.758775341834	3124.0333738483313	112.32403374807457	104.71539705124815	103.7263974000437
290	290	228950	-180201.1413	9636337.3170250766	39.60956128831109	-101.438618	29064.59824005794	4387265.204182664	334.8079352166346	3226.394792232993	3123.627917322997	112.656876891527	102.76556190302343	101.76556190302343
291	291	228951	-179541.1413	9636337.3170250766	39.60957361499755	-101.436307	29086.6332963407	4387261.153	334.6589672704983	3225.939672704983	3124.6668017867203	104.4883896903004	101.7265633877993	100.7265633877993
292	292	228952	-178881.1413	9636337.3170250766	39.60958394547255	-101.433597	29107.681159146	4387257.06831346	333.4705524728947	3223.6946532001484	3122.172809	112.443522269035	101.5208473621683	99.55034897154497
293	293	228953	-178221.1413	9636337.3170250766	39.60959813	-101.431818	29124.7027461079	4387252.98034278	332.734238572354	3222.369999511664	3121.1351772652146	112.323472084748	102.228219857438	98.9572876
294	294	228954	-177561.1413	9636337.3170250766	39.609610200843	-101.429276	29149.73717411745	4387248.8495870415	331.9175919728229	3221.035709155684	3119.9509133972506	112.3212158279404	101.08479526537048	98.7234932771819
295	295	228955	-176901.1413	9636337.3170250766	39.60962244656504	-101.426936	291650.771202576	4387244.809	331.7202137548157	3118.240059459563	3120.570414261306	110.4805141885266	99.14942714868516	98.14942714868516
296	296	228956	-176241.1413	9636337.3170250766	39.60963464622056	-101.424595	29181.80548201754	4387240.731225595	330.676792891691	3218.4122802562539	3116.213153202285	110.900322652539	102.1991282343964	99.5119540043099
297	297	228957	-175581.1413	9636337.3170250766	39.609646905362	-101.422245	29202.9329022011673	4387236.6371499	330.078159751138	3217.11204422408	3113.6887474624348	110.6233730895863	102.4564399360534	100.275930822177
298	298	228958	-174921.1413	9636337.3170250766	39.60965862052029	-101.4199134	29223.8728276956	4387232.55256482	329.477503185305	3218.91749813305	3111.06572980287	111.4541742937851	104.7540190305204	101.388091951295
299	299	228959	-174261.1413	9636337.3170250766	39.609670592242054	-101.417524	29244.96302319477	4387228.467622701	329.5459292480754	3214.533719939303	3113.23090067355	111.820876859938	102.234109271676	102.713332393643
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302	302	228962	-172281.1413	9636337.3170250766	39.60970621283754	-101.4105493	29308.05022286457	4387216.12412687	327.817307350414	3210.73767636135	3104.505694848664	110.4842728037418	105.195232109759	105.195232109759
303	303	228963	-171621.1413	9636337.3170250766	39.6097179991393	-101.4082082	29329.03781350586	4387212.1309818	326.29306425129	3208.47962379813	3103.361297424824	110.6256458738873	106.11838493623964	106.11838493623964
304	304	228964	-170961.1413	9636337.3170250766	39.6097293737615	-101.4058672	29360.47020152453	4387208.046	330.0761312889006	3208.42906124936	3101.018981027563	110.119446241207	106.213505973976	107.11263988326992
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306	306	228966	-169641.1413	9636337.3170250766	39.6097503781455	-101.401185	29396.1343693192	4387197.9310348	327.55713615287	3205.75771213506	3098.404296052055	109.028914579438	107.3534741144965	107.7290797556925
307	307	228967	-168981.1413	9636337.3170250766	39.6097646759613	-101.398844	29403.1661499734	4387195.79613696	328.5197037538145	3204.5291896442955	3095.623406714827	109.0567849722166	108.857411089541	108.857411089541
308	308	228968	-168321.1413	9636337.3170250766	39.60977632952555	-101.396503	29424.172749674	4387191.731243145	327.4987610214193	3203.30592031854	3090.756384	109.0120564752265	112.5495282	112.100244459588
309	309	228969	-167661.1413	9636337.3170250766	39.6097877468385	-101.3941619	29446.52910529457	4387187.63540383	327.082444449927	3202.085236027307	3084.293978247406	108.8411781727543	117.2740483579904	117.2740483579904
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311	311	228971	-166341.1413	9636337.3170250766	39.60981065237086	-101.389478	29488.971254354	4387179.816819592	326.6287815	3200.867133857693	3207.211567097167	107.5714416712587	123.656428860223	123.3536782451358
312	312	228972	-165681.1413	9636337.3170250766	39.6098205525076	-101.3871384	29508.1022699233	4387174.384	326.1111129533	3198.42875328124	3065.07470741149	107.3534741144965	113.32769895212	113.32769895212
313	313	228973	-165021.1413	9636337.3170250766	39.60983333935704	-101.3847797	29529.325596818	4387170.31093435	325.9587582427668	3197.304626271925	3063.218278863517	107.3534741144965	113.32769895212	113.32769895212
314	314	228974	-164361.1413	9636337.3170250766	39.609844624962236	-101.382467	29549.3820690653	4387171.2041683	325.9793235625193	3195.97450229163	3063.8214617578874	106.4131816686772	134.7152788471247	131.86083158069534
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317	317	228977	-162381.1413	9636337.3170250766	39.60987821042611	-101.3754338	29607.4727897376	4387154.97302386	324.9015025704844	3193.494975251423	3069.1584957339812	106.9140719120482	124.3422930308041	124.3422930308041
318	318	228978	-161721.1413	9636337.3170250766	39.60989031151305	-101.3730295	29627.47402489104	4387150.85328306	324.9015025704844	3193.494975251423	3069.1584957339812	106.9140719120482	124.3422930308041	124.3422930308041
319	319	228979	-161061.1413	9636337.3170250766	39.6099030740686	-101.3707514	29647.5318	4387146.816	323.87614558888	3193.494975251423	3069.1584957339812	106.9140719120482	124.3422930308041	124.3422930308041
320	320	228980	-160401.1413	9636337.3170250766	39.6099113886185	-101.3684104	29667.5609909444	4387142.73566744	323.712039075033	3188.0670112562093	3078.667112052092	107.5714416712587	106.9140719120482	106.9140719120482
321	321	228981	-159741.1413	9636337.3170250766	39.6099223788965	-101.366093	29687.58969205323	4387138.65566041	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
322	322	228982	-159081.1413	9636337.3170250766	39.60993326189202	-101.3637282	29707.6187	4387135.4578492	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
323	323	228983	-158421.1413	9636337.3170250766	39.60994416028693	-101.3613872	29727.61873076323	4387131.354953087	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
324	324	228984	-157761.1413	9636337.3170250766	39.6099549362037	-101.3590461	29748.04675826406	4387126.417	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
325	325	228985	-157101.1413	9636337.3170250766	39.609965781746304	-101.356781	29769.04675826406	4387121.7688811	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
326	326	228986	-156441.1413	9636337.3170250766	39.6099765245676	-101.354364	29782.7138324784	4387118.259	322.867933256017	3080.289051950118	3080.0698844469504	106.26899484469504	116.461182746721	116.461182746721
327	327	228987	-											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBotKgr.f	SatThKgr.f	SatThBot.f
39	210	22908	-101681.1413	9636337	31072050766	39.61071052379275	-101.1600538	344657.3833	3386780.492344089	323.0959541339184	2997.774058803791	2996.96588946895496	78.9387015241728	74.79389735234144
410	310	29070	-101001.1413	9636337	31072050766	39.61071472171165	-101.1577124	3147.86835955394045	3386776.432264631	328.755273884474	3070.6925335871785	2993.45345353976	78.9381921104554	80.239100173
411	310	29071	-100941.1413	9636337	31072050766	39.61072432693698	-101.1533719	3148.8073724087	3386772.9724088	324.2841776331463	3069.638092227534	2988.979739343556	84.76734281896707	84.76734281896707
412	310	29072	-99681.1413	9636337	31072050766	39.6107312337405	-101.1533034	3150.781041892717604	3386768.312776311	328.720706980137	3068.5669429049031	2980.003962934445	86.70960190236246	88.5829701151585
413	310	29073	-99621.1413	9636337	31072050766	39.61073803158501	-101.1506893	315371.4304213011	3386764.25367433	3229.147347122881	3067.8389879373556	2972.7288870555173	89.809010923832629	91.0218961797732
414	310	29074	-98361.1413	9636337	31072050766	39.61074475456896	-101.1483482	315572.44177691627	3386751.94182065	3217.537321407485	3066.493689644789	2974.184740906727	92.3208984704	93.8144110624548
415	310	29075	-97701.1413	9636337	31072050766	39.610751512325905	-101.1460071	315773.45239174044	3386756.152202011	3218.127295828655	3065.450589715996	2970.687370995307	94.7630783626091	96.2394784229363
416	310	29076	-97041.1413	9636337	31072050766	39.61075818485917	-101.143666	315974.4640067277	3386752.0749813	3217.878172083359	3064.408508537645	2967.466811559683	95.671092151463	96.34169698
417	310	29077	-96381.1413	9636337	31072050766	39.61076481271916	-101.1413328	316175.4740226516	3386748.071964295	3216.487222083599	3063.670896898956	2964.4520478978495	96.2525392977232	96.868611805854
418	310	29078	-95712.1413	9636337	31072050766	39.61077139427199	-101.1389838	316375.4854181483	3386743.95	3216.7354389554	3062.5258948075582	2961.722355070413	95.691425378421572	100.6035299014508
419	310	29079	-95051.1413	9636337	31072050766	39.610777931068496	-101.1364628	316577.4955855451	3386739.90105586	3220.638945907533	3061.283416520221	2959.163449995152	95.659756069015	100.120116205688
420	310	29080	-94401.1413	9636337	31072050766	39.610784422708115	-101.1343015	316778.50011535365	3386738.84376105	3220.902008019088	3060.232729619571	2956.89947258675	95.6255062686374	100.33782359704219
421	310	29081	-93741.1413	9636337	31072050766	39.610790869102686	-101.1319604	316979.5161929282	3386731.786140083	3221.1652104207309	3059.1870468827083	2954.55987716949193	95.62717393080676	100.4677097950065
422	310	29082	-93081.1413	9636337	31072050766	39.61079727072011	-101.1296193	317180.5260937823	3386727.7242504	3221.428342776574	3058.13103083182	2952.807654518995	95.620495622317	100.3323649128832
423	310	29083	-92421.1413	9636337	31072050766	39.610803662210455	-101.1272782	317381.53581632074	3386721.671588361	3220.19453577093728	3057.065043797218	2951.226448544047	94.7948176506	100.83879984281336
424	310	29084	-91761.1413	9636337	31072050766	39.610809039523844	-101.1248071	317582.5453607505	3386719.614617646	3217.48738933377	3055.98519730812	2948.628821681672	94.81245641319593	100.156968914002
425	310	29085	-91011.1413	9636337	31072050766	39.61081620240972	-101.122596	317783.55427277766	3386715.557890354	3214.73304329587515	3054.88969141017	2948.551319649149	94.76817815073947	100.3367274918594
426	310	29086	-90441.1413	9636337	31072050766	39.61082242266862	-101.1202548	317984.5639161068	3386711.501384741	3212.002291264545	3053.77821916448	2947.4678670779567	94.7610352834924	100.1913653307683
427	310	29087	-89781.1413	9636337	31072050766	39.61082859770036	-101.1179137	318185.5729274442	3386707.445	3208.67591395745	3052.647076654514	2946.4304012208527	94.44482373051465	100.167276034369872
428	310	29088	-89121.1413	9636337	31072050766	39.61083472750493	-101.1155726	318386.5817614964	3386703.389048087	3204.7541263095365	3051.4894572282597	2945.448810002322	94.34350160444117	100.04604722593785
429	310	29089	-88461.1413	9636337	31072050766	39.610840812062924	-101.1132315	318587.5904184686	3386699.33	3203.83226112713	3050.297489234693	2944.320565413103	94.26268291875064	100.057797095
430	310	29090	-87801.1413	9636337	31072050766	39.61084685142345	-101.1108084	318788.5988595876	3386695.277004488	3196.9139134191	3049.471363703654	2943.22912912038	94.25914371367598	100.0422363276697
431	310	29091	-87141.1413	9636337	31072050766	39.61085265554547	-101.1084619	318995.6023019974	3386688.894815665	3188.171330100542	3039.589477101618	2942.4520478978495	94.2561931039467	100.04112255430236
432	310	29092	-86481.1413	9636337	31072050766	39.610858794451175	-101.1062081	319190.6151	3386687.10540537	3184.3785026959379	3045.51729687071	2941.796048494425	94.250190200575	100.0420421124845
433	310	29093	-85821.1413	9636337	31072050766	39.610864688119656	-101.103867	319391.6233	3386683.112114241	3180.590328135656	3040.913248135656	2940.9176825866673	94.2513702705716	100.04276202888635
434	310	29094	-85161.1413	9636337	31072050766	39.610870556569094	-101.1015259	319592.61054345136	3386679.059729736	3180.146344863419	3043.832117808901	2940.18515358279	94.25629270210783	100.04276202888635
435	310	29095	-84501.1413	9636337	31072050766	39.61087636977481	-101.0991488	319793.6385511955	3386675.00230686	3176.95589913452	3042.444889113461	2939.999033032291	94.25629270210783	100.04276202888635
436	310	29096	-83841.1413	9636337	31072050766	39.61088213776162	-101.0968437	319994.6407633767	3386670.94863346	3172.71544306997	3041.3117536441	2939.0644374455097	94.25629270210783	100.04276202888635
437	310	29097	-83181.1413	9636337	31072050766	39.61088786052017	-101.0944609	320195.6385511955	3386668.894815665	3168.171330100542	3039.589477101618	2942.4520478978495	94.2561931039467	100.04112255430236
438	310	29098	-82521.1413	9636337	31072050766	39.6108935035321	-101.0921614	320396.660366003	3386662.804790777	3165.72375054908	3038.114077466103	2941.72351500712967	94.2513702705716	100.04276202888635
439	310	29099	-81861.1413	9636337	31072050766	39.6108993170355086	-101.0898203	320597.66729410365	3386658.767162691	3163.048734289704	3036.669122	2938.70800894965291	94.2513702705716	100.04276202888635
440	310	29100	-81201.1413	9636337	31072050766	39.61090475435846	-101.0874792	320764.167167863	3386654.73375703	3161.412300350414	3035.179986194567	2936.050601424634	94.2513702705716	100.04276202888635
441	310	29101	-80541.1413	9636337	31072050766	39.6109103	-101.085138	320999.686	3386650.680320045	3159.783721841813	3033.6723288987027	2934.720889623903	94.2513702705716	100.04276202888635
442	310	29102	-79881.1413	9636337	31072050766	39.6109157959088	-101.0827969	321200.688938333	3386652.60771053	3158.155154057415	3032.14832340998	2934.050810233056	94.2513702705716	100.04276202888635
443	310	29103	-79221.1413	9636337	31072050766	39.61092125	-101.0804558	321401.6937380074	3386642.57494431	3153.81890115284	3030.408858289133	2933.446732711849	94.2513702705716	100.04276202888635
444	310	29104	-78561.1413	9636337	31072050766	39.61092654433767	-101.078147	321602.699149003	3386638.2225104242	3146.7758950545	3029.3477176993356	2932.791376993356	94.2513702705716	100.04276202888635
445	310	29105	-77901.1413	9636337	31072050766	39.61093201411211	-101.0757736	321803.71051518727	3386633.40249908	3143.732570580455	3027.4874034253016	2932.2198	94.2513702705716	100.04276202888635
446	310	29106	-77241.1413	9636337	31072050766	39.61093733012659	-101.0734324	322004.710933304	3386630.841212518	3142.689251832465	3025.915492290659	2931.904091311929	94.2513702705716	100.04276202888635
447	310	29107	-76581.1413	9636337	31072050766	39.61094260612624	-101.0710913	322205.71691804675	3386626.3368331	3141.2586453023	3024.371685605304	2930.97067554679	94.2513702705716	100.04276202888635
448	310	29108	-75921.1413	9636337	31072050766	39.61094872587128	-101.0687502	322406.75125296182	3386622.31480748	3139.90527444838	3022.75237154457626	2930.518483639239	94.2513702705716	100.04276202888635
449	310	29109	-75261.1413	9636337	31072050766	39.61095303090251	-101.0664901	322607.7266823414	3386618.23497476	3140.392562439748	3021.60994221925	2929.756662709066	94.2513702705716	100.04276202888635
450	310	29110	-74601.1413	9636337	31072050766	39.61095847407633	-101.0640479	322808.7316749094	3386614.21295257	3144.885240543756	3019.562334871	2930.716200178624	94.2513702705716	100.04276202888635
451	310	29111	-73941.1413	9636337	31072050766	39.61096387984854	-101.0617861	323089.6385511955	3386610.184104163	3143.732570580455	3018.114077466103	2941.72351500712967	94.2513702705716	100.04276202888635
452	310	29112	-73281.1413	9636337	31072050766	39.61096827451307	-101.0593587	323210.7411283577	3386606.11675885	3143.732570580455	3017.4874034253016	2940.913248135656	94.2513702705716	100.04276202888635
453	310	29113	-72621.1413	9636337	31072050766	39.61097327375318	-101.0570446	323431.7455971806	3386602.060209855	3146.645128309677	3017.47248700407	2939.791747254003	94.2513702705716	100.04276202888635
454	310	29114	-71961.1413	9636337	31072050766	39.61097872674721	-101.0547034	323612.7499	3386598.009499261	3146.251818570043	3016.435213538955	2939.791747254003	94.2513702705716	100.04276202888635
455	310	29115	-71301.1413	9636337	31072050766	39.61098313631382	-101.0523623	323813.75401923305	3386593.99920714	3144.11792540				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.	BRElevBothKrg.	SatHtLogsKrg.	SatHtBoth.
530	310	22195	-1801.14133	963337.3170250766	36.611229291965095	-100.8650714	339893.5460658142	43862.7069960185	2991.5024091192004	2869.29451069432558	2869.6228361479055	2929.064917611266	94.176749350528	40.22891818212918
536	310	22196	-17841.14133	963337.3170250766	36.61123053718313	-100.862703	340094.53	43866.264781077	2986.744874123993	2866.05146481395	2829.941419537368	2826.05146481395	94.176749350528	36.69943644038502
537	310	22197	-17718.14133	963337.3170250766	36.61123173172425	-100.860391	340191.4686821683	43862.612328620	2981.9886513886	2863.148832281613	2830.31168638421027	2825.783638421027	94.176749350528	37.03634381158
538	310	22198	-16521.14133	963337.3170250766	36.61123291953394	-100.858048	340298.5182609215	43862.5854696029	2977.229093132786	2859.911287155364	2831.535017	2831.468330155364	94.176749350528	38.1285212117922
539	310	22199	-15861.14133	963337.3170250766	36.6112340146958	-100.8557068	340697.5087329851	43862.5453376694	2968.49584363869	2856.382137391938	2832.571380225946	2833.16827496775	94.176749350528	39.2345364241885
540	310	22200	-15201.14133	963337.3170250766	36.611235057	-100.8533657	340898.9490136775	43862.502268807	2958.781831885657	2853.191785890227	2833.491959	2833.368278670227	94.176749350528	40.18699581382095
541	310	22201	-14541.14133	963337.3170250766	36.61123608	-100.8510246	341099.4891403421	43862.464191398	2948.078393327845	2850.02501372845	2833.6709313735246	2833.6709313735246	94.176749350528	41.134593899032687
542	310	22202	-13891.14133	963337.3170250766	36.6112370540376	-100.8486834	341300.479113867	43862.4246073733	2937.3069677260334	2846.88925448134	2832.28752600538	2836.038778816327	94.176749350528	42.1065410635104
543	310	22203	-13221.14133	963337.3170250766	36.61123798726746	-100.8469323	341501.4686821683	43862.3843	2928.93389854303	2843.793689480375	2828.552368991286	2836.9897483270734	94.176749350528	43.236989741964144
544	310	22204	-12561.14133	963337.3170250766	36.61123897721124	-100.8440011	341702.586823766	43862.3440151597	2916.737090555145	2840.748494384076	2822.423692	2831.9784742074502	94.176749350528	44.77367436
545	310	22205	-11901.14133	963337.3170250766	36.61123970886791	-100.84166	341903.4482	43862.30371718245	2903.6792025820058	2837.769020531827	2814.596343525966	2824.907376712914	94.176749350528	45.127991630990762
546	310	22206	-11241.14133	963337.3170250766	36.611240501826295	-100.8393188	342104.4375703882	43862.26430416455	2938.445046065857	2834.876419765098	2806.436209832275	2812.17070649187	94.176749350528	46.20421878
547	310	22207	-10581.14133	963337.3170250766	36.61124124953677	-100.8369777	342304.4276771266	43862.22103883478	2935.33706663016687	2832.089393166687	2799.6454385135336	2806.01625482899	94.176749350528	47.262081452709594
548	310	22208	-9921.141327	963337.3170250766	36.61124195201923	-100.8346365	342506.4158314601	43862.1812572878	2919.243021736617	2828.431442020839	2796.27781008719	2803.37866550298	94.176749350528	48.153507502119935
549	310	22209	-9261.141327	963337.3170250766	36.61124261	-100.8322564	342706.404733224	43862.142584469	2910.2399747444314	2826.922699189004	2796.4983799203214	2799.7407191696	94.176749350528	49.2713625958942954
550	310	22210	-8601.141327	963337.3170250766	36.61124322130023	-100.8299543	342908.394683101	43862.1022381875	2911.1779633148335	2824.574903156265	2798.747603339276	2801.6287359988267	94.176749350528	50.22733496505057
551	310	22211	-7941.141327	963337.3170250766	36.61124378809876	-100.8276131	343109.3820807326	43862.0614981278	2902.941037776068	2822.3603928731484	2801.5577447437827	2803.59854951027	94.176749350528	51.2032681293658
552	310	22212	-7281.141327	963337.3170250766	36.61124430696933	-100.825272	343310.703626892	43862.0216655115	2895.90921111806	2822.362162622556	2804.28369695078	2806.7462643917783	94.176749350528	52.13859314364021
553	310	22213	-6621.141327	963337.3170250766	36.61124478601191	-100.8229308	343511.35882190054	43861.98138	2888.54504452926	2818.47268	2806.751986574474	2808.45331025404	94.176749350528	53.110398926357
554	310	22214	-5961.141327	963337.3170250766	36.61124521712648	-100.8205897	343712.460641397	43861.9411037879	2881.1065877992454	2816.7009557144147	2809.1710032480886	2810.695268967093	94.176749350528	54.75299223192403
555	310	22215	-5301.141327	963337.3170250766	36.61124580281	-100.8182485	343913.349960427	43861.902624612	2876.381309829561	2815.0258467276613	2811.34345999445	2811.690906105714	94.176749350528	55.368148071228992
556	310	22216	-4641.141327	963337.3170250766	36.611245943617754	-100.8159374	344104.3227970087	43861.860592747	2874.679328698472	2813.4281659497	2810.510786195265	2811.1885006791046	94.176749350528	56.23299580362475
557	310	22217	-3981.141327	963337.3170250766	36.61124598354525	-100.8136714	344298.1363708987	43861.820924484	2873.124642371	2810.408012514054	2810.6508619271	2810.6508619271	94.176749350528	57.83895971124249
558	310	22218	-3321.141327	963337.3170250766	36.61124649305074	-100.8112251	344516.2890294265	43861.780005913	2870.340937402296	2810.40824508737	2805.956078109423	2806.26869	94.176749350528	58.44496414931485
559	310	22219	-2661.141327	963337.3170250766	36.611246894279764	-100.808884	344717.2854163224	43861.738390298	2872.883174769882	2808.966403245662	2806.1398833968574	2806.9841108388	94.176749350528	59.1972922531185703
560	310	22220	-2001.141327	963337.3170250766	36.61124685402654	-100.8065428	344918.275655587	43861.6914821878	2879.98113145424	2807.95679064478	2804.218681960785	2805.949633604362	94.176749350528	60.1482944639678
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562	310	22222	-681.1413269	963337.3170250766	36.6112470373591	-100.801805	345320.2468458884	43861.6149459698	2891.17215043484	2804.670865548447	2802.94555065718	2808.529318921197	94.176749350528	62.1421613046727783
563	310	22223	-11.1413269	963337.3170250766	36.61124706189865	-100.7996194	345519.234747374	43861.5788893665	2898.98628698126673	2803.58499168817	2802.54589270315274	2803.58499168817	94.176749350528	63.8308791124249
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565	310	22225	1298.858677303514	963337.3170250766	36.61124697433019	-100.7948371	345923.26060736214	43861.4917308519	2908.998406565957	2801.140341977426	2802.018971691216	2802.01897	94.176749350528	0
566	310	22226	1958.858677303514	963337.3170250766	36.61124687241901	-100.792496	346124.1929052470	43861.4519992919	2910.574265420715	2799.910721400183	2802.92471180849	2796.81370431565	94.176749350528	64.31773637068617973
567	310	22227	2618.858677303514	963337.3170250766	36.61124670586979	-100.7901548	346326.179144584	43861.41767	2917.0589659300212	2798.899673890243	2798.567916638416	2793.708928665893	94.176749350528	65.1376235604170035
568	310	22228	3278.858677303514	963337.3170250766	36.61124650379262	-100.7878137	346526.1501901973	43861.37174027461	2919.6530982791167	2797.872099794166	2794.813932363224	2791.38017611945638	94.176749350528	66.649290213106899
569	310	22229	3938.858677303514	963337.3170250766	36.61124625646747	-100.7854725	346727.1510877627	43861.33177	2922.247217258143	2796.971749484427	2791.72392783332	2789.7940476290762	94.176749350528	67.51837867888001
570	310	22230	4598.141327	963337.3170250766	36.61124598354525	-100.7831314	346912.09284428	43861.290284428	2924.8414642371	2796.40193109715	2794.1048012514054	2791.6508619271	94.176749350528	68.83895971124249
571	310	22231	5258.85867730351	963337.3170250766	36.6112456219319	-100.7807922	347129.1224386523	43861.2566878168	2928.1843371492296	2795.24549483955	2787.00516395787	2785.75683106318	94.176749350528	69.14922883138729
572	310	22232	5918.85867730351	963337.3170250766	36.61124524	-100.7784491	347330.107892558	43861.2164481019	2932.761492701044	2794.538671072201	2785.494343247913	2784.57566045565	94.176749350528	70.9361061654504
573	310	22233	6578.85867730351	963337.3170250766	36.61124481498701	-100.776108	347531.0931904214	43861.1702563123	2936.276194071472	2794.61698804516	2784.283977957128	2783.910340236885	94.176749350528	71.93624912323881
574	310	22234	7238.85867730351	963337.3170250766	36.61124431451915	-100.7737668	347732.0735826183	43861.1359724633	2940.459773537334	2793.740049161574	2783.434949802024	2783.3558312570926	94.176749350528	72.93850106950308
575	310	22235	7898.85867730351	963337.3170250766	36.61124382	-100.7714257	347933.063704906	43861.09574214588	2943.958137596163	2792.9063284328516	2783.013905976993	2783.06858980673	94.176749350528	73.9947313512307
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577	310	22237	9218.85867730351	963337.3170250766	36.61124298354525	-100.7667422	348356.07526936	43861.01368951829	2938.286924792165	2791.79759215715	2781.634371954984	2781.634371954984	94.176749350528	75.748397288138729
578	310	22238	9878.85867730351	963337.3170250766	36.61124269181676	-100.7644022	348536.017526936	43860.975061829	2940.9453792615	2790.9453792615	2780.77339450338	2780.77339450338	94.176749350528	76.10219821233287
579	310	22239	10538.85867730351	963337.3170250766	36.6112412589693	-								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRrElevLogKrg.f	BRrElevBothKrg.f	SatHLogB.f	SatHBoth.f
661	29231	64658.8586730335	9663337.3170250766	36.61103001942439	-75.0070878	565217.24715811053	4385764.399669883	2754.587932327717	2652.0700520245923	17.35868482923246	17.25645829365222	
662	29232	65318.8586730335	9663337.3170250766	36.10527655930454	-100.5677466	365418.201626573	438570.396552029	2748.76528844973	2668.047659731039	26.743286619147	18.3165748372397	
663	29233	66938.8586730335	9663337.3170250766	36.61102191	-100.5654695	366918.1935449095	438570.396552029	2748.76528844973	2668.047659731039	26.743286619147	18.3165748372397	
664	29234	66638.8586730335	9663337.3170250766	36.1101652	-100.5630644	366208.1657994147	438570.396552029	2748.76528844973	2668.047659731039	26.743286619147	18.3165748372397	
665	29235	67298.8586730335	9663337.3170250766	36.61101193408343	-100.5607232	366021.1384179831	438574.3842938105	2722.573276663054	2664.254293815436	26.654904408988	18.635595227015053	
666	29236	67958.8586730335	9663337.3170250766	36.110129676	-100.5538321	366222.1109116623	438574.3842938105	2722.573276663054	2664.254293815436	26.654904408988	18.635595227015053	
667	29237	68618.8586730335	9663337.3170250766	36.11002602047735	-100.5556041	366423.030272383	438574.3842938105	2722.573276663054	2664.254293815436	26.654904408988	18.635595227015053	
668	29238	69278.8586730335	9663337.3170250766	36.1097899188646	-100.5536999	366424.0555149171	438573.761198254	2702.06208631786	2662.080467146234	26.641148280461237	18.635595227015053	
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670	29240	70598.8586730335	9663337.3170250766	36.1098303787898	-100.5490176	367025.969074012	438573.761198254	2702.06208631786	2662.080467146234	26.641148280461237	18.635595227015053	
671	29241	71258.8586730335	9663337.3170250766	36.1098344924627	-100.5466769	367226.9714625914	438574.3842938105	2702.06208631786	2662.080467146234	26.641148280461237	18.635595227015053	
672	29242	71918.8586730335	9663337.3170250766	36.1097854377121	-100.5443354	367427.9419076266	438570.396552029	2702.06208631786	2662.080467146234	26.641148280461237	18.635595227015053	
673	29243	72578.8586730335	9663337.3170250766	36.1097359247896	-100.5419942	367628.914891397	438570.396552029	2702.06208631786	2662.080467146234	26.641148280461237	18.635595227015053	
674	29244	73238.8586730335	9663337.3170250766	36.109689525413	-100.5396531	367829.886634993	438571.362711964	2706.12749110739	2631.461371400743	26.3508931999194	23.38665244395622	
675	29245	73898.8586730335	9663337.3170250766	36.109635480289	-100.537312	368030.857174696	438570.396552029	2706.12749110739	2631.461371400743	26.3508931999194	23.38665244395622	
676	29246	74558.8586730335	9663337.3170250766	36.109584912377	-100.5349708	368231.828936005	438570.396552029	2706.12749110739	2631.461371400743	26.3508931999194	23.38665244395622	
677	29247	75218.8586730335	9663337.3170250766	36.1095333621472	-100.5326297	368432.8003245233	438570.396552029	2706.12749110739	2631.461371400743	26.3508931999194	23.38665244395622	
678	29248	75878.8586730335	9663337.3170250766	36.10948159063655	-100.5302886	368633.771002461	438569.361480846	2706.12749110739	2631.461371400743	26.3508931999194	23.38665244395622	
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682	29252	78518.8586730335	9663337.3170250766	36.10926967485	-100.520241	369437.6536221193	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
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685	29255	80498.8586730335	9663337.3170250766	36.10910652780504	-100.5139007	370039.5642862703	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
686	29256	81158.8586730335	9663337.3170250766	36.1090511382775	-100.5115596	370241.5342659565	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
687	29257	81818.8586730335	9663337.3170250766	36.108995296749	-100.5092185	370442.5041036531	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
688	29258	82478.8586730335	9663337.3170250766	36.10893900240306	-100.5068774	370643.4736256555	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
689	29259	83138.8586730335	9663337.3170250766	36.10887952519575	-100.5045362	370844.4434299988	438568.3611226141	2702.366404559267	2610.9089039845	26.204467146234	23.12742317235798	
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691	29261	84458.8586730335	9663337.3170250766	36.1087674	-100.499854	371246.3825454481	438564.374311957	2726.51754863913	2642.2488206667217	26.10647714371153	26.158905277803306	
692	29262	85118.8586730335	9663337.3170250766	36.108703933787	-100.4975129	371447.351454846	438564.374311957	2726.51754863913	2642.2488206667217	26.10647714371153	26.158905277803306	
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694	29264	86438.8586730335	9663337.3170250766	36.1085917420304	-100.4928307	371849.2895706787	438563.38083366	2725.828871204613	2641.352176245196	26.058227309519684	26.2940327525114	
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701	29271	91058.8586730335	9663337.3170250766	36.108166226383	-100.476428	373256.0690353632	438560.41573101	2747.54556774913	2633.6841838688	25.9867761169011	25.9867761169011	
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703	29273	92378.8586730335	9663337.3170250766	36.10804377881529	-100.471782	373658.008989839	438560.41573101	2747.54556774913	2633.6841838688	25.9867761169011	25.9867761169011	
704	29274	93038.8586730335	9663337.3170250766	36.107978781659	-100.4694195	373859.0778162305	438559.456454	2749.4076169157	2632.807178378854	25.97028212207595	25.97028212207595	
705	29275	93698.8586730335	9663337.3170250766	36.1079128054662	-100.4670784	374059.9407363556	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
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708	29278	95678.8586730335	9663337.3170250766	36.1077178143705	-100.460035	374662.840626828	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
709	29279	96338.8586730335	9663337.3170250766	36.107652519575	-100.4577198	374863.8907779784	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
710	29280	96998.8586730335	9663337.3170250766	36.107591179329	-100.4553728	375064.949284988	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
711	29281	97658.8586730335	9663337.3170250766	36.107519411587	-100.4530317	375265.7437210587	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
712	29282	98318.8586730335	9663337.3170250766	36.107452262804	-100.4506906	375466.705789364	438558.442223536	2750.62391739554	2625.4083470184305	25.96429510534291	25.96429510534291	
713	29283											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogs.ft	BREIEvBothKrg.ft	SeaHtElev.ft	SatHtBoth.ft
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49	311	229449	-339261.1413	996997.3170250766	39.60703697430965	-102.002813	242193.8318738368	438484.5819649738	3645.248332717428	3529.867629353587	3474.4208451168122	3487.4808117917466	42.4688179143361	42.006789143361
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68	311	229468	-326721.1413	996997.3170250766	39.6075183337696	-101.9583536	246014.503467884	438833.529	3647.584918559236	3506.09262406184	3450.4133580088574	3459.6798329747361	57.3071629	55.0327382581766
69	311	229469	-326061.1413	996997.3170250766	39.6075406137745	-101.9560147	246222.677405837745	438833.529	3647.584918559236	3506.09262406184	3450.4133580088574	3459.6798329747361	57.3071629	55.0327382581766
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92	311	229492	-310881											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
173	171	229573	-257421.1413	996997.3170250766	39.60961987080247	-101.7125954	267127.1474719788	387946.240118983	3572.75354	3368.7484028938276	3271.254364228474	3288.480459300135	51.0154060773536	98.2847700081415
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176	171	229576	-255441.1413	996997.3170250766	39.609675287116021	-101.705585	267730.2511488246	387933.059061627	3571.1837065051627	3384.179116663771	3269.601308626104	3286.1406102666902	17.1086203736112	102.7100105696832
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187	171	229587	-248181.1413	996997.3170250766	39.60986236835069	-101.6797856	269941.970294704	387884.674705424	3586.354002917692	3374.8550342391027	3238.734982974067	3289.1624717509435	135.12005126503573	83.21237212966769
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192	171	229592	-244881.1413	996997.3170250766	39.60994686721251	-101.6680806	270947.252064906	387882.16306719	3506.713003087613	3370.728465	3236.78133096342	3263.110362	133.947110210194	77.6181027
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201	171	229601	-238941.1413	996997.3170250766	39.61009696219443	-101.6470116	272756.7482919454	387873.153466523	3478.75318789826616	3362.4567819826616	3232.4567819826616	3242.4567819826616	127.990075884209	108.0490812196668
202	171	229602	-238281.1413	996997.3170250766	39.610114211330252	-101.6444705	272957.802897273	387872.48516558	3476.391970270382	3361.724424235	3232.751241728743	3242.4567819826616	127.990075884209	108.0490812196668
203	171	229603	-237621.1413	996997.3170250766	39.61012871917873	-101.6422295	273158.8559505763	387872.393774009	3474.71416631403	3360.451131006465	3232.73805902291	3235.859475386337	125.17822404417398	124.915165551982812
204	171	229604	-236961.1413	996997.3170250766	39.61014497981538	-101.6399885	273359.904182625	387873.83256819	3474.95148582975	3359.332483363893	3234.4811012052474	3234.478114112919	124.85223628391486	124.85473692320473
205	171	229605	-236301.1413	996997.3170250766	39.6101612	-101.6376475	273560.9624671663	387874.12960485	3472.425815074963	3358.1846133247423	3232.7158150262107	3232.914749011175	125.4687891185316	125.99314236232471
206	171	229606	-235641.1413	996997.3170250766	39.6101773546664	-101.6353065	273762.015653964	387870.1024989494	3469.105124299543	3357.0064031465436	3230.6510548462393	3229.409137593681	125.2594380306249	127.5972724602951
207	171	229607	-234981.1413	996997.3170250766	39.61019340448827	-101.6329864	273963.08843749504	387876.159515244	3467.09991281526	3355.80442206879	3228.189396754324	3228.189396754324	125.1012525519576	127.5972724602951
208	171	229608	-234321.1413	996997.3170250766	39.6102109520737	-101.630624	274164.120994524	387870.429001527	3465.56989184157	3354.56989184157	3227.914749011175	3232.914749011175	125.4687891185316	125.99314236232471
209	171	229609	-233661.1413	996997.3170250766	39.61022656047422	-101.6282834	274365.1733369146	387876.304061033	3463.301204845948	3353.31200483879	3225.91377745734	3231.91377745734	125.4687891185316	125.99314236232471
210	171	229610	-233001.1413	996997.3170250766	39.61024154053456	-101.6259424	274566.225433593	387794.19888563	3463.94597266393	3352.03975851827	3220.882731	3216.076322799019	131.1532415485326	135.9596497616348
211	171	229611	-232341.1413	996997.3170250766	39.6102573814096	-101.6236014	274767.2773475003	387793.93045984	3461.851877272395	3350.7389353898584	3218.789667788928	3212.1439433898584	131.9492705003035	135.9596497616348
212	171	229612	-231681.1413	996997.3170250766	39.61027344	-101.6212603	274968.320206974	387785.989231413	3458.956182806	3349.423605509206	3216.64102045348	3208.928030726236	132.7825085405476	140.19457543661965
213	171	229613	-231021.1413	996997.3170250766	39.61028929064469	-101.6189193	275169.3804714246	387781.88421413	3456.0951957197193	3348.091455757126	3215.8395188579602	3205.92576889958	132.055893819558	142.163787614062
214	171	229614	-230361.1413	996997.3170250766	39.61030599004801	-101.6165783	275370.3417011193	387777.7802405	3453.7149207019636	3346.793506222897	3212.865471	3202.459540341143	131.8737878991956	144.2798103817548
215	171	229615	-229701.1413	996997.3170250766	39.6103236959768	-101.614261	275579.4827661877	387774.4827661877	3451.89689184157	3345.45698184157	3212.865471	3202.459540341143	131.8737878991956	144.2798103817548
216	171	229616	-229041.1413	996997.3170250766	39.6103436022165	-101.611982	275772.5334972566	387775.76200105	3449.50270498376	3343.96975153913	3209.01140749329	3216.135221349403	131.976605371623	147.854562</

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHLogsKrg.ft	SatHBoth.ft
29	311	22699	-174261.1413	996997.3170250766	36.611483518396035	-101.175878	292458.9991929996	3487429.740643686	3304.9051499996471	3214.047313	3106.6612659897197	3112.1423932190514	307.38604721968295	101.90491998782863
300	311	22970	-173601.1413	996997.3170250766	36.611495437459986	-101.152467	252660.0321629789	3487425.65527558	3308.27662866366	3212.772667908793	3104.7334789904203	3109.8572250327702	307.3918913720770	102.91345428765896
301	311	22971	-172941.1413	996997.3170250766	36.61150711297765	-101.129654	203651.0648322243	3487417.03103943	3311.682645237113	3210.2486832730044	3102.584177929784	3102.584177929784	103.821643789635	103.821643789635
302	312	27072	-172281.1413	996997.3170250766	36.61151913990943	-101.105645	33062.0974802439	3487417.486563132	3318.019586904347	3210.247178919977	3101.880958084347	3104.087210644615	306.366201156335	105.2908007356063
303	311	22973	-171621.1413	996997.3170250766	36.611530923249414	-101.4082234	233263.1296342176	3487413.402318822	3318.4711404062658	3208.932520091584	3100.345715939138	3101.9975624048115	306.46753607002058	106.95689693074686
304	311	22974	-170261.1413	996997.3170250766	36.61154621645417	-101.4058283	234364.161985427	3487413.91290999	3312.062761544933	3207.745040724597	3098.702858314858	3098.702858314858	108.04218240973887	108.04218240973887
305	311	22975	-170301.1413	996997.3170250766	36.6115543438724	-101.4035412		3487405.2340361	3306.633048248933	3205.30408248839	3096.80430963516	3096.817164218836	109.66300988542339	109.5912800403045
306	311	22976	-169641.1413	996997.3170250766	36.6115660204904	-101.401201	233866.2256801694	3487401.15093397	3301.206025660324	3205.267087	3096.71002409247	3094.6721744446	110.5008053163312	110.5947999924078
307	311	22977	-168981.1413	996997.3170250766	36.61157765128775	-101.398859	24067.6722241443	3487397.067587705	3298.77145349066	3304.033591829365	3091.952619780244	3092.389195	112.08257194602491	113.6461881149925
308	311	22978	-168321.1413	996997.3170250766	36.61158916182881	-101.3955179	294268.285661283	3487392.98465659	3290.347715522003	3202.80763905421	3088.239706124741	3088.942365818268	114.5673278067971	117.70355223259408
309	311	22979	-167661.1413	996997.3170250766	36.61160057385674	-101.3941768	244469.319706326	3487388.90156099	3284.8182585132587	3201.5810953132587	3083.4833543236214	3087.41970566638	110.7074097402424	117.11730535659508
310	311	229710	-167001.1413	996997.3170250766	36.61161214065384	-101.3918357	24670.35064494517	3487384.81896722	3279.4888255179395	3200.3546923392146	3078.44886620854	3077.125891853027	121.9058251836042	121.326496440611971
311	311	229711	-166341.1413	996997.3170250766	36.61162356223357	-101.389496	249871.3814	3487380.736	3275.4336484129258	3199.125886671264	3073.703795968453	3074.73447398716867	125.42190707528107	124.78114680043134
312	311	229712	-165681.1413	996997.3170250766	36.61163493856242	-101.3871355	295072.4119172622	3487376.654225625	3272.77009248499	3197.8939578259683	3071.15917532394	3071.0258972646325	127.159179235742	126.8609603133582
313	311	229713	-165021.1413	996997.3170250766	36.61164626970487	-101.3848123	295273.4422533896	3487375.72226859	3270.100748138495	3196.86596551528	3068.71178621114	3069.4512556253387	127.9446104404118	127.20514102799189
314	311	229714	-164361.1413	996997.3170250766	36.6116576550091	-101.3824712	295474.472387524	3487369.94052005	3267.431404	3195.411245040577	3069.10393846168	3069.0329802889	126.2185175427163	125.5179467075995
315	311	229715	-163701.1413	996997.3170250766	36.611668796270486	-101.3801301	295675.502215664	3487364.480902853	3266.881562733467	3194.158585366955	3071.059663	3071.703346999058	123.09618237455938	122.4255084003792
316	311	229716	-163041.1413	996997.3170250766	36.611679991713615	-101.377789	295876.530550379	3487360.32757599	3261.05109477941	3192.8840760345	3073.63988802435	3074.1436926001912	119.249519579102	118.7143585032599
317	311	229717	-162381.1413	996997.3170250766	36.6116891148193022	-101.3754479	296077.561588376	3487356.26447627	3239.95386921131	3191.588453735974	3076.3697185323653	3076.730365	115.2187324033208	116.44848449595761
318	311	229718	-161721.1413	996997.3170250766	36.611697202469203	-101.3731086	296278.59092174486	3487352.16500042	3238.4966750450294	3190.25019886639	3078.9717943920245	3078.9717943920245	111.278404471431	111.1728245647033
319	311	229719	-161061.1413	996997.3170250766	36.61171033663946	-101.3707657	296479.620055444	3487348.08481722	3223.356803809587	3188.8546186576613	3081.266603936325	3081.261645570197	102.52799646233653	102.52927115613208
320	311	229720	-160401.1413	996997.3170250766	36.61172432122096	-101.3684245	296680.9589861206	3487345.044321366	3221.539685	3187.407328171444	3081.346957077244	3082.9764487435396	104.2594841166968	104.49632348347441
321	311	229721	-159781.1413	996997.3170250766	36.6117377594815	-101.356488	296867.84593231656	3487342.93425893171	3220.74520270163	3186.27813913516	3081.67123092345	3081.67123092345	104.1791475332187	104.1791475332187
322	311	229722	-159081.1413	996997.3170250766	36.61174621451531	-101.3537423	297082.706201967	3487335.84	3217.910221752554	3184.40333271052	3084.743597015059	3084.8187063736287	99.585572	99.585572
323	311	229723	-158421.1413	996997.3170250766	36.61175709347255	-101.3510412	297283.7459703475	3487331.74586008	3212.9007175591835	3182.3416481510068	3084.080557520724	3086.675419514071	98.80448183139335	98.80448183139335
324	311	229724	-157761.1413	996997.3170250766	36.61176792710319	-101.3506001	297484.76273517706	3487327.68056432	3212.023913197786	3181.362208759451	3082.99427326732	3082.731131066842	98.367935462783	98.367935462783
325	311	229725	-157101.1413	996997.3170250766	36.61177871550711	-101.356719	297685.790674825	3487320.065571274	3207.044655047331	3179.839187741507	3080.913569725753	3080.733869887224	98.9685701574968	99.10580105428289
326	311	229726	-156441.1413	996997.3170250766	36.61178945864386	-101.3543778	297886.8161620174	3487319.526705304	3211.06359	3178.317887341226	3078.1390569693089	3077.9239648497477	100.17893037218619	100.38872689147828
327	311	229727	-155781.1413	996997.3170250766	36.611800175668348	-101.352087	298087.84593231656	3487315.4878140162	3204.74520270163	3186.27813913516	3078.9711712713	3078.9711712713	102.892615220776	102.892615220776
328	311	229728	-155121.1413	996997.3170250766	36.61181093580145	-101.3499565	298288.819304169	3487311.387182075	3202.74874806115	3182.48448891942016	3077.71874806115	3077.600731214817	103.643619182809	103.643619182809
329	311	229729	-154461.1413	996997.3170250766	36.61182141685593	-101.3473545	298489.9005	3487307.290774736	3219.357683927136	3173.774391271399	3068.837867	3068.694389410764	104.9365243819728	105.0793437
330	311	229730	-153801.1413	996997.3170250766	36.611831979126286	-101.3450134	298680.92740297166	3487303.212591583	3217.860154837147	3066.40547632844	3066.416780831056	3066.416780831056	106.880707204303	106.1293465265707
331	311	229731	-153141.1413	996997.3170250766	36.61184269417506	-101.3426722	298891.9543	3487299.13463677	3210.215111916122	3170.767254371663	3064.480842461976	3064.104642711187	106.28641188519032	106.66261163528601
332	311	229732	-152481.1413	996997.3170250766	36.611858291	-101.3403311	299092.9808	3487295.09690367	3209.38190844802	3169.268588861028	3063.080769783324	3062.576195311267	106.178581152869	106.6614617139604
333	311	229733	-151821.1413	996997.3170250766	36.6118733456174	-101.337379	299294.0071701795	3487290.973986138	3208.598057734827	3167.77263509543	3062.2668022701916	3061.065057689195	105.50403146532246	105.79707500134823
334	311	229734	-151161.1413	996997.3170250766	36.61189017359415	-101.334687	299495.0336731656	3487286.921010622	3204.74520270163	3186.27813913516	3062.7520597076	3062.7520597076	104.1791475332187	104.1791475332187
335	311	229735	-150501.1413	996997.3170250766	36.611884112081036	-101.3333077	299696.059299707	3487282.05930269	3208.3162115689138	3164.784175321703	3062.19670427925	3062.19670427925	103.957481485856	103.957481485856
336	311	229736	-149841.1413	996997.3170250766	36.61189440299038	-101.3309666	299897.0805095746	3487278.474202255	3212.071532373748	3163.290764108818	3062.4894881177506	3063.457337147444	99.80217599106754	99.8342696134378
337	311	229737	-149181.1413	996997.3170250766	36.61190464872805	-101.3286255	300086.110643245	3487265.24683178758	3216.24685178758	3161.7968630619514	3062.47585	3062.37814451746	99.8312714451746	99.8312714451746
338	311	229738	-148521.1413	996997.3170250766	36.611914849128325	-101.3262843	300299.13602146483	3487270.595	3235.21219730005	3160.382250799953	3060.87345783038	3060.7310331365811	94.434793	94.434793
339	311	229739	-147861.1413	996997.3170250766	36.611925050435688	-101.3239432	300500.1612039864	3487266.519037143	3217.194832212295	3158.820541893173	3057.81038	3080.705284284894	101.0101617743304	101.0101617743304
340	311	229740	-147201.1413	996997.3170250766	36.61193511435851	-101.3216021	300701.186190359	3487262.443073936	3216.1948276190524	3157.336362905405	3054.51178176547516	3078.9609911329253	102.8245715274683	102.8245715274683
341	311	229741	-146541.1413	996997.3170250766	36.61194618198444	-101.3193812	300929.2198627725	3487258.4038814	3214.863219862725	3156.27813913516	3054.51178176547516	3078.9609911329253	102.8245715274683	102.8245715274683
342	311	229742	-145801.1413	996997.3170250766	36.611956519868075	-101.3169198	301103.255796254	3487254.291900775	3212.948191171258	3154.376192451028	3053.782518236677	3053.782518236677	99.8516897791922	99.8516897791922
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SatHtKrg.	SatHtBoth.
421	311	22925	-91101.14133	996997.3170250766	36.61262915808581	-101.122604	317787.6179331565	36899.16087	3217.377498143137	354.2904074603975	2948.4578914419254	2948.6997873	85.83271601847218	107.592534992493735
426	311	22926	-90441.14133	996997.3170250766	36.61263537850502	-101.120628	317988.6268692687	36899.6172	3214.642321806448	353.1926052174323	2947.2387406577304	2947.0242268380723	105.9548695700185	107.7725327666001
427	311	22927	-89781.14133	996997.3170250766	36.61264155369587	-101.117821	318189.6356618915	36899.630015493	3217.725213	355.274233189272	2948.13327	2944.2004646983032	105.94096175718167	107.7725327666001
428	311	22928	-89121.14133	996997.3170250766	36.61264786358516	-101.115085	318390.6442602399	36899.6463720493	3208.62532901274	350.9276634550747	2945.0856847339644	2943.031396908147	105.9417869891103	107.7885205
429	311	22929	-88461.14133	996997.3170250766	36.61265378392576	-101.113293	318591.652881615	36899.65189159375	3205.526858823577	354.754499361148	2943.9864149367463	2941.9353115664144	105.75908442440186	107.81018779473379
430	311	22930	-87801.14133	996997.3170250766	36.61265981	-101.109881	318792.6605925264	36899.6526	3202.426195554046	354.82505248827486	2943.037096745747	2940.7542194951178	105.7452981350177	107.7452981350177
431	311	22931	-87141.14133	996997.3170250766	36.612665802175826	-101.108557	318993.668936717	36899.64046804	3198.6800239702234	354.767343877533	2941.07899996299	2939.70414	105.15943438609429	107.56319142603045
432	311	22932	-86481.14133	996997.3170250766	36.61267157122489	-101.106218	319194.676884977	36899.6415130277	3198.320736120545	354.9740542967893	2941.194462762653	2940.174293240143	104.7769151413643	107.4827372774797
433	311	22933	-85821.14133	996997.3170250766	36.61267768	-101.103746	319395.664600205	36899.64360015493	3198.894696282587	354.967626181582	2940.36794698157	2940.174293240143	104.7769151413643	107.4827372774797
434	311	22934	-85161.14133	996997.3170250766	36.612683133775	-101.101534	319596.6921390524	36899.6503124253	3195.5202342387688	354.9280393218194	2940.36794698157	2940.174293240143	104.7769151413643	107.4827372774797
435	311	22935	-84501.14133	996997.3170250766	36.612689327001526	-101.0991923	319797.6959521943	36899.6525	3181.677217873835	354.900175599487	2939.2725611797134	2934.703764214194	102.62753441977338	107.1964113879261
436	311	22936	-83841.14133	996997.3170250766	36.6126951	-101.096511	319998.7066973227	36899.6512012535	3178.420252896537	354.80485505278536	2938.557553416823	2933.8425878704	101.92795186143076	106.264544895496
437	311	22937	-83181.14133	996997.3170250766	36.61270081804383	-101.094509	320199.713018467	36899.6471969181	3175.163287296556	354.8034904865601	2937.583922270757	2935.55124484415	101.4551214484415	106.3184130279609
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442	311	22942	-79881.14133	996997.3170250766	36.61272874515133	-101.082804	321203.7441832458	36899.6478407475	3161.038105183635	354.803159470897494	2932.7276709005523	2928.790179	98.867307	102.804529140410398
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467	311	22967	-63381.14133	996997.3170250766	36.61284591031	-101.024374	326230.841789635	36899.65145258993	3130.107611831962	354.803143063533043	2923.8593859325	2922.513517590926	80.92741834632723	85.8072271790294
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469	311	22969	-62061.14133	996997.3170250766	36.612860073856									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKgr.f	BRIEVEloftKgr.f	LatHtKgr.f	SurfHtKgr.f
51	311	229951	-7941.141327	996997.3170250766	36.613065674579408	-100.8276138	343113.415649485	4368407.423623841	2912.07855	2821.7006007429122	2802.9384198030437	2905.9224230870564	18.86211939481545	15.7781776558587
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555	311	229955	-5301.141327	996997.3170250766	36.6130586975518	-100.818249	343917.3676	4368391.310874049	2882.456182740013	2814.057357	2810.843824009425	2811.0753467891795	3.213713167254094	1.9802274075004789
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558	311	229958	-3231.141327	996997.3170250766	36.61305946	-100.8112254	344520.329952586	4368375.228306884	2865.7847981096126	2809.276948163459	2808.7407391278607	2807.30330282205	3.9392938868991	2.5043733832920304
559	311	229959	-2601.141327	996997.3170250766	36.61305961049974	-100.808842	344721.317017014	4368375.201	2869.659694772268	2807.6565988521345	2809.4373414579	2808.4183946193837	8.442225564937084	6.76262432740747
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590	311	229990	17798.85673073351	996997.3170250766	36.61304358177177	-100.7363069	350951.84557126934	4368250.47412332	2934.660788070434	2788.826838734734	2761.3422768195	2760.959568233294	27.487411195716504	31.834011402363194
591	311	229991	18458.85673073351	996997.3170250766	36.6130423941921	-100.733967	351152.820646155	4368246.45423979	2935.784508018703	2788.7850538076318	2759.39321397716	2759.39321397716	33.75737371268	44.0119399859874
592	311	229992	19118.85673073351	996997.3170250766	36.61304105183754	-100.7316241	351353.810334438	4368242.43455819	2935.59321	2788.794977914867	2757.2714530221507	2757.1013544226252	34.1617619	47.7241336848498
593	311	229993	19778.85673073351	996997.3170250766	36.6130400000000	-100.729326	351554.810334438	4368238.43455819	2935.59321	2788.794977914867	2757.2714530221507	2757.1013544226252	34.1617619	47.7241336848498
594	311	229994	20438.85673073351	996997.3170250766	36.6130383409999	-100.7270251	351755.74542335	4368235.95806028	2935.9723471096977	2788.66273148726	2754.2342202691551	2751.595653020974	36.1023868931065	47.0718632775217
595	311	229995	21098.85673073351	996997.3170250766	36.61303691771783	-10								

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SurfElevLogKrg.ft	SurfElevBoth.ft
677	311	20077	75218.8586730335	996997.3170250266	39.61276629542753	-105.5326231	6846.8404969623	4385901.573067598	2173.088863641617	2615.0565358179285	2618.9784597884936	31.8677490887365	32.07809423043485	
678	311	20078	75188.8586730335	996997.3170250266	39.61276111618036	-105.5320919	68637.774633371	4385897.572464451	2178.827367330643	2610.1349958934295	2617.9679874149962	32.0760599253965	32.26400217428016	
679	311	20079	75163.8586730335	996997.3170250266	39.6127561696481	-105.5320407	68683.54441675	4385893.572093118	2200.967177036674	2614.58417821383	2618.446897385894	30.8485105811931	30.78734504728963	
680	311	20080	75139.8586730335	996997.3170250266	39.61275063	-105.5320525	68693.7192953615	4385891.571922993	2179.473241562445	2648.36578008124	2620.0041570210082	28.0560459811589	28.450924618248	
681	311	20081	77585.8586730335	996997.3170250266	39.61274531498741	-105.5232583	69240.8628686875	4385885.571862429	2178.009684182196	2647.5341151402395	2621.86623	2621.8462344393089	25.6854916908471	
682	311	20082	78515.8586730335	996997.3170250266	39.61273995680597	-105.5209172	69441.655624333	4385881.572269915	2166.52735271392	2646.734812897152	2624.0042398325714	2624.00593403989	22.6244157143471	
683	311	20083	79178.8586730335	996997.3170250266	39.6127345339607	-105.518576	69642.626351745	4385877.572770954	2175.072888088934	2626.377401790965	2626.3057722031862	19.59578301802882	19.66531588574702	
684	311	20084	79838.8586730335	996997.3170250266	39.61272914075759	-105.5162348	69843.5962091674	4385873.57496358	2295.983572381284	2645.2500529076965	2628.770191678183	2645.9796211434276	16.4796612296111423	
685	311	20085	80498.8586730335	996997.3170250266	39.612723814776522	-105.5138936	70044.5362426705	4385869.5744431205	2298.453899746892	2644.5674033277037	2631.03819138111	2630.768635339467	13.531121891592605	
686	311	20086	81158.8586730335	996997.3170250266	39.61271801779515	-105.5115524	70245.5362192495	4385865.576	2248.9218901679933	2643.925362	2632.591975437957	11.34249995050686	11.33338690740258	
687	311	20087	81817.8586730335	996997.3170250266	39.6127142647418	-105.5092113	70404.50583261374	4385861.577000698	2248.674187996333	2643.20413360647	2633.709138266333	2633.709138266333	9.615205094	
688	311	20088	82478.8586730335	996997.3170250266	39.612710686	-105.5068701	70647.47532021925	4385857.578611487	2242.740416833456	2633.089940452128	2633.77193748749	9.6747321217628	9.386847343596517	
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690	311	20090	83798.8586730335	996997.3170250266	39.61269546312841	-105.5021877	71049.413903323	4385849.58249703	2240.7537307351015	2641.7560107107615	2623.387385973351	2623.387385973351	18.25524686773884	
691	311	20091	84458.8586730335	996997.3170250266	39.61268997895058	-105.4994865	71250.3849647596	4385845.584717765	2241.84587147342	2641.84587147342	2618.967022026545	2618.967022026545	24.3952469537245	
692	311	20092	85118.8586730335	996997.3170250266	39.6126838740241	-105.4970504	71451.35204601183	4385841.582767797	2241.93648795136	2640.881121095378	2611.3627768102878	2611.1789309121132	25.1843413450024	
693	311	20093	85778.8586730335	996997.3170250266	39.61267803172054	-105.4951462	71652.3209196285	4385837.58593168	2242.02140423003	2640.486054	2607.958379866424	2607.338087215288	32.91657880274225	
694	311	20094	86438.8586730335	996997.3170250266	39.61267313926964	-105.492823	71853.2896707254	4385833.592932716	2240.1144831366263	2640.966616130177	2604.716433166263	2640.966616130177	35.1448217030681	
695	311	20095	87098.8586730335	996997.3170250266	39.61266618465033	-105.4904818	72054.25829944306	4385829.596035872	2242.42633724056	2639.795620125297	2602.6784271565	2602.6784271565	37.43564418018923	
696	311	20096	87758.8586730335	996997.3170250266	39.61266019327515	-105.4881406	72255.2268060525	4385825.599636582	2241.7753145879718	2639.400382	2600.2185409236801	2599.64105393634	39.18540729480504	
697	311	20097	88418.8586730335	996997.3170250266	39.61265841566668	-105.4857995	72456.19501907376	4385821.603	2243.051985770345	2638.98132684366	2597.07873209833	2596.13128986452	41.90258541386234	
698	311	20098	89078.8586730335	996997.3170250266	39.6126487482032	-105.4834583	72657.1634570526	4385817.606980798	2243.754359166674	2638.3541959674	2593.75740959704	2592.37115758334	40.9542439654336	
699	311	20099	89848.8586730335	996997.3170250266	39.61264281014541	-105.4810918	72854.17315891589	4385813.613646715	2243.1104494345634	2637.9014094345634	2593.75740959704	2592.37115758334	58.610471075677036	
700	311	20100	90398.8586730335	996997.3170250266	39.6126357547188	-105.4787759	73059.0919513555	4385809.61201638	2243.6751237125654	2635.22439367014	2593.945081531873	2594.236770142447	41.2298654525655	
701	311	20101	91058.8586730335	996997.3170250266	39.6126295759022	-105.4764348	73260.0675143508	4385805.618989828	2243.7219322466666	2633.07340028984	2589.4491239966705	2589.8918029756514	43.64180101	
702	311	20102	91718.8586730335	996997.3170250266	39.61262329502022	-105.4740936	73461.0329250034	4385801.623497244	2243.78872122678	2640.8401251513646	2584.10366033762	2584.354000485631	46.7387911760251	
703	311	20103	92378.8586730335	996997.3170250266	39.6126168972195	-105.4717524	73662.007	4385797.62923711	2243.004765	2628.6312321356904	2578.251320007417	2578.25761	50.36552406990294	
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705	311	20105	93698.8586730335	996997.3170250266	39.61260423558404	-105.4670791	74063.379046999	4385789.63895054	2243.275341966674	2626.36673862364	2568.23679862364	2568.23679862364	59.33126963322245	
706	311	20106	94358.8586730335	996997.3170250266	39.6125981917372	-105.4647818	74264.502005241	4385785.63002541	2243.350305135	2572.52410493274	2565.9340437141028	2565.9340437141028	64.4180877522137	
707	311	20107	95018.8586730335	996997.3170250266	39.61259130325884	-105.4623877	74465.87237700785	4385781.65125766	2243.7301715085373	2623.7301715085373	2567.34782218963	2567.34782218963	69.74748	
708	311	20108	95678.8586730335	996997.3170250266	39.6125847890625	-105.4600466	74666.83943410125	4385775.67293204	2242.798558682788	2618.487629642584	2547.905525875743	2547.905525875743	70.8251037612019	
709	311	20109	96338.8586730335	996997.3170250266	39.6125781895583	-105.4577504	74867.8063717397	4385773.635498805	2241.7854762601985	2616.6815647001486	2547.372103	2547.372103	69.3541617559887	
710	311	20110	96988.8586730335	996997.3170250266	39.6125715648225	-105.4553642	75068.7731901248	4385769.67002791	2242.072368719035	2615.0052656567	2548.42116055391	2548.42116055391	66.38721004947873	
711	311	20111	97658.8586730335	996997.3170250266	39.6125648951792	-105.453023	75269.73889396851	4385765.6726523	2242.074919646704	2613.292116108094	2550.2578025636304	2550.2578025636304	67.35884832595784	
712	311	20112	98318.8586730335	996997.3170250266	39.61255818014541	-105.4507819	75470.135691589	4385761.63846715	2242.110494345634	2611.704984392634	2548.732116108094	2548.732116108094	68.417871075677036	
713	311	20113	98978.8586730335	996997.3170250266	39.612551419884724	-105.4483037	75671.6729318371	4385759.6807824	2242.173895925026	2558.97340532632	2556.239357003618	2556.239357003618	53.800346525140784	
714	311	20114	99638.8586730335	996997.3170250266	39.6125461439586	-105.4459995	75872.63752779	4385753.6915071	2242.14900442356	2608.703127666272	2559.7716914602324	2559.7716914602324	48.4779362132153	
715	311	20115	100298.8586730335	996997.3170250266	39.6125377636788	-105.4436584	76073.605500462	4385749.705733404	2242.150788185028	2607.28272895167	2564.2893019207467	2564.2893019207467	42.52795512578004	
716	311	20116	100958.8586730335	996997.3170250266	39.6125308673022	-105.4413172	76274.7517075977	4385745.714	2242.1618266718	2605.9050457946414	2569.239401	2569.239401	36.101209	
717	311	20117	101618.8586730335	996997.3170250266	39.6125230569525	-105.438976	76475.5379689826	4385741.72161312	2242.153265521756	2604.5629618480785	2547.3703665791192	2547.3703665791192	40.859296204995924	
718	311	20118	102278.8586730335	996997.3170250266	39.61251694	-105.4366349	76766.5036877345	4385737.72980781	2242.1743294378512	2547.6402721943758	2547.6402721943758	2547.6402721943758	42.17545227296023	
719	311	20119	102938.8586730335	996997.3170250266	39.6125106785516	-105.4343877	76967.5379689826	4385733.72980781	2242.1743294378512	2547.6402721943758	2547.6402721943758	2547.6402721943758	42.17545227296023	
720	311	20120	103598.8586730335	996997.3170250266	39.612504321668316	-105.4321925	77107.843960351	4385729.6406043	2242.181662744004	2600.65431083055	2547.6402721943758	2547.6402721943758	40.859296204995924	
721	311	20121	104258.8586730335	996997.3170250266	39.61249571	-105.4296114	77379.404805548	4385725.75583722	2242.1743294378512	2547.6402721943758	2547.6402721943758	2547.6402721943758	40.859296204995924	
722	311	20122	104918.8586730335	996997.3170250266	39.61248842485856	-105.4272702	77540.36583975	4385721.7600744	2242.1743294378512	2547.6402721943758	2547.6402721943758	2547.6402721943758	40.859296204995924	
723	311	20123	105598.8586730335	996997.3170250266	39.61248132972058	-105.424289	77681.3317081836	4385717.74356101	2242.1743294378512	2547.6402721943758	2547.6402721943758	2547.6402721943758	40.859296204995924	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
63	312	23023	-330021.1413	797657.3170250766	39.609218710143736	-101.970089	245013.22205711456	4388601.406	3645.4623166059346	3509.339136992906	3452.0001546111764	3459.2507297835114	37.33882838118945	50.0884072039452
64	312	23024	-329361.1413	797657.3170250766	39.60924130223431	-101.9677481	245124.30655305303	4388597.24718942	3642.862224698146	3504.304894949153	3450.926441042693	3451.330778927536	37.3225258797216	46.7041205646958
65	312	23025	-328701.1413	797657.3170250766	39.60925384623632	-101.9651387	245155.30480267372	4388593.193323098	3645.210733359787	3505.7301916809787	3449.937002913824	3447.930281656789	37.3166986851895	45.54418968681895
66	312	23026	-328041.1413	797657.3170250766	39.60926310234966	-101.963663	245214.40375975505	4388589.913991148	3637.674041376678	3505.424354695963	3449.213030011505	3445.8996357691876	37.310054553429	49.52469904007804
67	312	23027	-327381.1413	797657.3170250766	39.60930880754555	-101.9607254	245817.56654076677	4388584.853692649	3638.713173756246	3504.117372044853	3448.2616350124836	3445.0545821084993	37.3085733923666	53.63270983835354
68	312	23028	-326721.1413	797657.3170250766	39.60933121884714	-101.9583485	246018.56253032597	4388580.716212703	3643.3862037567043	3502.808241	3446.690113447195	3449.205432777845	37.311271685301	53.62096337848886
69	312	23029	-326061.1413	797657.3170250766	39.6093358429912	-101.9560436	246219.37372730444	4388575.875989308	3648.063704112955	3501.4967660263337	3445.0452556610376	3448.105718126806	37.30542530526915	53.39104786
70	312	23030	-325401.1413	797657.3170250766	39.60937590579142	-101.9537027	246420.82262581508	4388572.441934252	3652.718737380593	3500.182661321268	3443.0881587765857	3446.301181111232	37.09450247286114	53.381480120144715
71	312	23031	-324741.1413	797657.3170250766	39.60938618143481	-101.9513817	246621.8070011546	4388565.301321133	3658.2351914975803	3498.805714234151	3441.90082581402	3445.0718326148425	37.305953167274874	53.36458968239053
72	312	23032	-324081.1413	797657.3170250766	39.60942041155684	-101.9493028	246822.9614891165	4388564.16585339	3673.87805573596	3497.545775953558	3440.265514389654	3443.404545133804	37.30423466925616	54.14083264
73	312	23033	-323421.1413	797657.3170250766	39.60944257065854	-101.946789	247024.0757265214	4388560.32110625	3691.345482728523	3486.222764344202	3438.984673804956	3441.756405254788	37.23800539323664	54.464385881940347
74	312	23034	-322761.1413	797657.3170250766	39.6094473705403	-101.944339	247225.1598140791	4388555.89680243	3705.851039971743	3494.896623251859	3437.7252334349178	3440.18005932149	37.1738981694143	54.8767131975818
75	312	23035	-322101.1413	797657.3170250766	39.60948683181729	-101.9419981	247426.2436	4388551.760193985	3711.7556481875646	3493.5678431515707	3436.452441835116	3438.18416072113	37.1571401364561	55.3836790745758
76	312	23036	-321441.1413	797657.3170250766	39.6095088136065	-101.9396572	247627.32730398949	4388547.64262228	3709.0531827149016	3492.372607378814	3434.884266658336	3436.1255672704817	37.35334072047817	56.11203110747386
77	312	23037	-320781.1413	797657.3170250766	39.6095389585402	-101.9373163	247828.4107695237	4388543.49894589	3709.5068644038	3490.906403818866	3432.47582023445	3442.07221173807	37.4882179841099	56.46438264499511
78	312	23038	-320121.1413	797657.3170250766	39.60955284478739	-101.9349754	248029.49326551892	4388539.35387017	3703.64817857314	3489.573568925456	3432.065701865446	3432.957146996759	37.5078867001045	56.61040989785446
79	312	23039	-319461.1413	797657.3170250766	39.6095747586706	-101.932634	248230.57040090053	4388535.218881867	3703.58454466476	3487.2327058339474	3431.115049378627	3431.7821871799633	37.5221564562645	56.5544775638412
80	312	23040	-318801.1413	797657.3170250766	39.6095962733389	-101.9302935	248431.6584953025	4388531.084	3706.156502892434	3486.897753988975	3429.184303048177	3429.902193604271	37.52910614017975	56.99551879460734
81	312	23041	-318141.1413	797657.3170250766	39.60961845077696	-101.927826	248632.7407386326	4388526.94958544	3708.72956318142	3485.55105824266	3427.8267494978032	3428.85900508307	37.52788084623304	57.165015315959584
82	312	23042	-317481.1413	797657.3170250766	39.6096420289983	-101.9256117	248832.8227799957	4388512.57527315	3711.3062173487987	3482.2602297014945	3426.3183453628	3426.824300603333	37.53895916586652	57.35734664116125
83	312	23043	-316821.1413	797657.3170250766	39.609661369	-101.9232707	249034.9047469772	4388518.6847977	3713.274946039667	3482.850242155781	3424.7391477922033	3423.7354091430215	37.541110943637765	57.544750725559425
84	312	23044	-316161.1413	797657.3170250766	39.60967489497488	-101.9202628	249235.9859714743	4388516.547337226	3715.995489739377	3481.4807175551084	3422.146640535455	3421.73861807783	37.5403429595653	59.74845805706861
85	312	23045	-315501.1413	797657.3170250766	39.6096823346898	-101.9181567	249435.1009242414	4388516.18684737	3709.531567123318	3471.9885494872587	3419.6543595728184	3417.71727972889	37.54071552190959	60.0721562190959
86	312	23046	-314841.1413	797657.3170250766	39.6097286985872	-101.916248	249638.1482207704	4388506.28034459	3720.539758530964	3478.75442313034	3419.48555581132	3420.530242085235	37.5426837190212	58.205118245012
87	312	23047	-314181.1413	797657.3170250766	39.6097484181004	-101.913907	249839.22887403062	4388517.41721702	3721.57176207385	3477.85097302585	3417.85097302585	3418.80548488947	37.54948113242515	58.5490922389075
88	312	23048	-313521.1413	797657.3170250766	39.6097694871096	-101.9115661	250040.309480203	4388498.04177362	3721.883530756793	3475.948419506392	3415.932229378294	3416.94195562393	37.560161912809515	59.00645939989384
89	312	23049	-312861.1413	797657.3170250766	39.609791410391374	-101.9092252	250241.3897388981	4388493.881453424	3720.30358507171	3474.54143884706	3414.565488623046	3414.4785227520987	37.5957561239607	60.0326622190742
90	312	23050	-312201.1413	797657.3170250766	39.609812581	-101.9068842	250442.46975056343	4388489.74895588	3720.566796581864	3473.125346586669	3411.628029601236	3414.023523256793	37.6149731759743266	60.670111401876056
91	312	23051	-311541.1413	797657.3170250766	39.6098215048954	-101.9048433	250645.58451608817	4388485.94895588	3720.566796581864	3473.125346586669	3411.628029601236	3414.023523256793	37.6149731759743266	60.670111401876056
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93	312	23053	-310221.1413	797657.3170250766	39.6098768049576	-101.8998614	251045.7083072818	4388477.35281833	3713.352547	3468.8122643590264	3407.389548088636	3407.389548088636	37.61227455509304	61.3817551089899
94	312	23054	-309561.1413	797657.3170250766	39.6098980404849	-101.8975205	251246.78333073	4388473.22129563	3714.69184649846	3467.571965542687	3404.601226922782	3404.56889187306	37.61227455509304	62.78207380762936
95	312	23055	-308801.1413	797657.3170250766	39.60991923084171	-101.8951795	251447.86611409788	4388469.0896304	3713.2547410614975	3465.807905904364	3401.712617	3401.597189015815	37.61681732216656	64.2882197
96	312	23056	-308241.1413	797657.3170250766	39.60994037597767	-101.8928386	251648.9446883997	4388464.9572459	3714.69184649846	3467.571965542687	3404.601226922782	3404.56889187306	37.61227455509304	62.78207380762936
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98	312	23058	-306921.1413	797657.3170250766	39.6099823538714	-101.8881567	252045.1009242414	4388456.18684737	3709.531567123318	3471.9885494872587	3419.6543595728184	3417.71727972889	37.54071552190959	60.0721562190959
99	312	23059	-306261.1413	797657.3170250766	39.6099850406059	-101.8858158	252252.178122846	4388452.56666472	3708.7075928996136	3469.925317092794	3427.27709896106	3417.434732897142	37.54071552190959	60.0721562190959
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102	312	23062	-304281.1413	797657.3170250766	39.61006629715512	-101.8787929	252855.4107088294	4388440.17664107	3707.4989881798624	3455.3896249582405	3387.770913995715	3386.393495524705	37.58804483410963	69.10501287639057
103	312	23063	-303621.1413	797657.3170250766	39.61008712574463	-101.876452	253066.48730883	4388436.40708783	3706.674940708783	3453.81960634975	3386.301356300868	3384.6789065917	37.58804483410963	69.10501287639057
104	312	23064	-302961.1413	797657.3170250766	39.61010790119301	-101.874111	253257.564704257	4388431.98	3705.32061053033	3452.275151298219	3384.603811664041	3382.50628416183	37.4772033641784	69.7963845656312
105	312	23065	-302301.1413	797657.3170250766	39.610128619676	-101.8717807	253468.2704917697	4388427.5856162	3704.381567123318	3451.2759123318	3383.6817352	3381.6817352	37.4772033641784	69.7963845656312
106	312	23066	-301641.1413	797657.3170250766	39.61014930113631	-101.869421	253659.7162574925	4388423.659779451	3703.712176373	3449.19758472595	3382.3442019709537	3379.477528281956	37.4772033641784	69.7963845656312
107	312	23067	-300981.14											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREVELogKrg.ft	BREVEBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
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190	23030	-246201.1413	997657.3170250766	36.611726102534504	-101.6727844	270549.2596	438807.671	3520.1963339529443	3371.132432257091	3236.1997526747973	3221.22063581673	314.9326795622553	79.91036867547928
191	23031	-24581.1413	997657.3170250766	36.61174826152453	-101.670433	270761.515722857	438809.733196568	3518.3977655945377	3370.2997465745377	3236.39065752841	3279.8175753193	133.9098175256862	90.4841417
192	23032	-244861.1413	997657.3170250766	36.6117597529027	-101.6681123	270951.371666562	438809.421423265	3509.0082	3369.46814066566	3236.400796950377	3271.4269711746237	134.0367376552822	98.0411684831327
193	23033	-244221.1413	997657.3170250766	36.6117765381371	-101.6657612	271152.4273076405	438806.312925488	3502.6226325216607	3368.634231565567	3236.336344396581	3263.830226390083	129.2978716971586	90.4799207265585
194	23034	-243561.1413	997657.3170250766	36.611703221748794	-101.6634201	271353.4828091874	438803.20330381	3496.23746213621	339.734261392139	3236.193891547245	3238.958402724903	311.6003248666449	108.832466640597
195	23035	-242901.1413	997657.3170250766	36.611808952541485	-101.6610791	271554.5380423418	438805.095166894	3492.109126881036	3366.941654421926	3236.0361957678615	3254.97314377075	310.9079667407133	111.971074048512
196	23036	-242421.1413	997657.3170250766	36.61182652	-101.658778	271755.5930504353	438802.96662028	3490.238811316875	3367.067970489934	3236.372642004407	3252.219317041197	310.270641489463	113.8585360774664
197	23037	-241591.1413	997657.3170250766	36.61184369515366	-101.6565869	271955.64783397154	438791.3684989614	3488.3684989614	3365.1885502143737	3235.511419218195	3248.71077568404	129.697130981862	117.0741762468317
198	23038	-240921.1413	997657.3170250766	36.61185962917534	-101.6540559	272157.7023225594	438804.77022113	3486.49816743533	3364.27585233547	3235.344313391592	3246.5267294891422	128.92671891397	117.8463057642039
199	23039	-240261.1413	997657.3170250766	36.61187611536795	-101.6517148	272358.7567263991	438800.626320571	3485.3640541623304	3363.23735	3235.263267129642	3244.653986185295	128.0640381797282	116.8733041411056
200	23040	-239601.1413	997657.3170250766	36.6118925733829	-101.6493737	272559.8108	438806.3545718545	3484.961604712146	3362.3507607482084	3235.68042026385	3243.5224741867156	128.764072968537	116.8282875149274
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204	23044	-236961.1413	997657.3170250766	36.611961772817678	-101.6400095	273364.0251376041	438802.126418339	3480.1384915200776	3358.1294319736653	3235.947980803005	3236.18635413375	122.18144386520483	121.9425905679084
205	23045	-236301.1413	997657.3170250766	36.6119740882884	-101.6376684	273565.07812906218	438806.1602	3477.583151542486	3356.98385831865	3234.76295431692	3234.0682574524247	122.622089421347	122.9301723906679
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207	23047	-234981.1413	997657.3170250766	36.6120063844909	-101.6329862	273967.1834442221	4388007.807562982	3473.250461425635	3354.653117098287	3228.889042207457	3226.9783719652228	125.7640748803022	127.6792413306434
208	23048	-234321.1413	997657.3170250766	36.61202246502199	-101.6306452	274168.2357674014	438801.70172822	3472.250621643733	3353.411985	3226.053647446234	3223.157994177202	125.7640748803022	127.6792413306434
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212	23052	-231681.1413	997657.3170250766	36.6120863346514	-101.6212808	274972.4423354965	438797.28047801	3464.970415550423	3348.381467020613	3218.584018237383	3209.55066242971	131.7974487022746	139.030007558389
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216	23056	-229041.1413	997657.3170250766	36.61214948	-101.6119165	275767.646365502	438790.863174483	3450.275982920475	3343.05563699956	3208.715416215391	3197.77933986691	134.316492426048	145.226873117628
217	23057	-228381.1413	997657.3170250766	36.61216511545785	-101.609754	275977.6966898123	438791.65838819	3449.333333333333	3341.65626819517	3206.90454841157	3195.481727706536	134.7890220220047	146.0230683671725
218	23058	-227721.1413	997657.3170250766	36.61218109	-101.6072343	276178.7469477544	438792.65579003	3448.35405770033	3340.1124381592	3205.055746885714	3194.60476699208	135.2113674624054	145.250683795187
219	23059	-227061.1413	997657.3170250766	36.61219636207921	-101.6048833	276379.796933714	438795.55243629	3448.35059683326	3338.861712326613	3203.300791767443	3193.933286102736	135.8577614786694	144.900262238751
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223	23063	-224421.1413	997657.3170250766	36.61225824052027	-101.5955289	277183.9940483843	438794.141276007	3448.35059683326	3334.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
224	23064	-223761.1413	997657.3170250766	36.6122735716242	-101.5931878	277395.3742657089	438793.0929	3448.35059683326	3333.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
225	23065	-223101.1413	997657.3170250766	36.61228805853026	-101.5908467	277596.0149048283	438791.930740501	3448.35059683326	3332.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
226	23066	-222441.1413	997657.3170250766	36.6123041746078	-101.5885056	277787.13976140076	438790.835271585	3448.35059683326	3331.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
227	23067	-221781.1413	997657.3170250766	36.6123193555564	-101.5861645	277988.187894785	438792.734	3448.35059683326	3330.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
228	23068	-221121.1413	997657.3170250766	36.612334571227734	-101.5838234	278189.2358097016	438792.613296318	3448.35059683326	3329.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
229	23069	-220461.1413	997657.3170250766	36.61234970167307	-101.5814823	278390.2835063576	438791.531296748	3448.35059683326	3328.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
230	23070	-219801.1413	997657.3170250766	36.61236476895296	-101.5791412	278591.3305224337	438790.43023337	3448.35059683326	3327.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
231	23071	-219141.1413	997657.3170250766	36.612380023225	-101.576804	278792.3742657089	438789.330740501	3448.35059683326	3326.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
232	23072	-218481.1413	997657.3170250766	36.61239482	-101.574459	278993.4258881785	438788.23043651	3448.35059683326	3325.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
233	23073	-217821.1413	997657.3170250766	36.61240977119688	-101.5721179	279194.4714148883	438790.129	3448.35059683326	3324.06107640294	3200.282583981244	3194.092260031704	136.725230721004	144.900262238751
234	23074	-217161.1413	997657.3170250766	36.61242467	-101.5697768	279395.5187223017	438790.029178129	3448.35059683326	3323.06107640294	3200.28258398124			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SatHtLogKrg.ft	SatHtBot.ft
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316	312	230456	-163004.1413	997657.3172025076	36.1348252442104	-101.3778034	958680.621124749	43878561.397438893	3200.272113350405	3192.284542587483	3078.467127	3078.1450566969633	117.6117951502289	117.10768662795333
317	312	230457	-162681.1413	997657.3172025076	36.13500760769861	-101.3766623	958681.6508094885	4387857.516141063	3200.9328724427114	3190.8233724427114	3081.4323223670913	3081.810400667933	109.4303637537811	109.01536937537811
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	TopoSatElev.ft	SurfTopKgr.ft
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472	312112	-60081.14313	997657.3170250766	39.61468558923052	-101.0125737	327238.90262171096	4836927.626282846	3035.95797771781	2979.011320613551	2900.353405804206	2900.299447227015	82.789551306296	86.8874629530274	
473	312113	-59421.14313	997657.3170250766	39.61468968401219	-101.0102325	327439.9032007058	4836923.57993635	3023.21717759781	2978.1977060120826	2899.4951381191527	2899.16915518135	82.789551306296	86.8874629530274	
474	312114	-58761.14313	997657.3170250766	39.614693733563295	-101.0078912	327640.9035604016	4836919.833313036	3016.83764477329	2976.39312967077	2898.810588048653	2898.3871367734473	82.789551306296	86.8874629530274	
475	312115	-58101.14313	997657.3170250766	39.61469773789567	-101.00555	327841.90361361207	4836915.487913627	3007.336871921934	2974.801073052528	2897.5315953837	2897.5315953837	82.789551306296	86.8874629530274	
476	312116	-57441.14313	997657.3170250766	39.61470196977464	-101.003287	328042.940091941	4836911.4422732315	3001.144217303037	2972.626949171813	2897.285949171813	2897.285949171813	82.789551306296	86.8874629530274	
477	312117	-56781.14313	997657.3170250766	39.61470561083207	-101.000875	328243.90373315946	4836907.397	2994.100591079198	2971.081091743988	2897.147657197976	2896.335178226506	82.789551306296	86.8874629530274	
478	312118	-56121.14313	997657.3170250766	39.614709479471024	-100.9985262	328444.903690183	4836903.351554855	2992.4224443	2969.355814575529	2896.9036430681	2895.608084147876	82.789551306296	86.8874629530274	
479	312119	-55461.14313	997657.3170250766	39.6147133	-100.996185	328645.9033	4836899.83654054	2992.473040034773	2967.653483828599	2896.495591358017	2895.463352389581	82.789551306296	86.8874629530274	
480	312120	-54801.14313	997657.3170250766	39.61471708	-100.9938347	328846.9027175986	4836895.26176508	2993.475280344314	2965.9730007844314	2895.7768542999397	2894.754656278862	82.789551306296	86.8874629530274	
481	312121	-54141.14313	997657.3170250766	39.61472081398637	-100.9915025	329047.901839491	4836891.21702699	2991.675654529687	2963.216996794584	2894.973072520048	2893.94865768651	82.789551306296	86.8874629530274	
482	312122	-53481.14313	997657.3170250766	39.61472451698106	-100.9891612	329248.901703098	4836887.17280173	2987.477829615923	2962.670551812957	2894.7312442389	2893.7245284051	82.789551306296	86.8874629530274	
483	312123	-52821.14313	997657.3170250766	39.6147286179606	-100.9868778	329449.9027175986	4836883.68794845	2985.388162891458	2961.588162891458	2893.588162891458	2893.588162891458	82.789551306296	86.8874629530274	
484	312124	-52161.14313	997657.3170250766	39.614731411411	-100.9844787	329649.9027175986	4836880.97725879	2984.310181942227	2959.431215923196	2892.2537115540373	2890.51190442077	82.789551306296	86.8874629530274	
485	312125	-51501.14313	997657.3170250766	39.61473520343165	-100.9821375	329845.9033	4836875.041201507	2984.033728281724	2957.83176228737	2890.93846780857	2889.084791150891	82.789551306296	86.8874629530274	
486	312126	-50841.14313	997657.3170250766	39.6147380024475	-100.9797962	330052.89580396476</								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBoth.f	SatHtKgr.f	SatHtBoth.f
567	312	20707	2618.858673033514	997567.3170250766	39.61487264099469	-100.7901544	34633.238890351886	386544.4196699103	2899.041635441935	2795.360378799395	2791.37603848533	2789.639368090459	3483.395314023837	5127.009870476337
568	312	20708	2728.858673033514	997567.3170250766	39.61487244	-100.7878131	34634.2240069186	386540.19450750	2903.1871486350586	2794.2223876485677	2789.0481029660567	2787.1994524790865	3472.5824683	7022935.369481274
569	312	20709	3038.858673033514	997567.3170250766	39.614872319	-100.7854718	34675.2098309686	386535.3674000000	2907.32061819933	2793.16862258123	2786.96525825467	2785.73522584637	3471.22225763635	7458968.92661961
570	312	20710	4598.858673033514	997567.3170250766	39.614871889595094	-100.7831306	346936.195251517935	386501.148522037	2911.478715007682	2792.210168881708	2785.233744001782	2784.43207717964	6.972404191499518	7778009.830640412
571	312	20711	5258.858673033514	997567.3170250766	39.61487156117244	-100.7807893	347137.1803744532	386528.12	2914.36047016184	2789.4580652883	2782.2871496440027	2781.6978016030874	7.69332158943545	8.82825191
572	312	20712	5918.858673033514	997567.3170250766	39.61487178163004	-100.7784481	347338.1653320971	386520.0406087243	2916.000776851453	2790.6147834351957	2782.9263770933053	2782.1188361099157	7.688011304	8.895624325919972
573	312	20713	6578.858673033514	997567.3170250766	39.61487049924435	-100.7761086	347539.510069148	386520.02038578	2917.6340071016184	2789.980501803348	2782.2871496440027	2781.6978016030874	7.69332158943545	8.82825191
574	312	20714	7238.858673033514	997567.3170250766	39.61487027645498	-100.773565	347740.13459531663	386516.0482124565	2919.042727183783	2789.45037876148	2781.712548847446	2781.52784858138	7.68730929971847	7922530185583128
575	312	20715	7898.858673033514	997567.3170250766	39.61486977575518	-100.7714234	347881.1194022308	386512.024686984	2920.14126895868	2789.015102266578	2781.4104089812343	2781.8448265782873	7.68648626635823	787678377047985
576	312	20716	8558.858673033514	997567.3170250766	39.6148691325059	-100.76983	348016.103786486	386508.001227903	2920.2564272763872	2788.6625193217645	2781.5429291144487	2781.6546087154173	7.1919271031247169	6.81701031247169
577	312	20717	9218.858673033514	997567.3170250766	39.6148685846649	-100.7667417	348343.0880480638	386503.970692953	2920.3708356160682	2788.379923220406	2781.683126527589	2781.47420073005345	6.71766696	6.90782633402305
578	312	20718	9878.858673033514	997567.3170250766	39.614867930273995	-100.7644005	348544.072	386499.95132155	2920.486259857497	2788.1545391956047	2781.166758414717	2781.1746413736914	6.9877833862935	7.697987621912355
579	312	20719	10538.858673033514	997567.3170250766	39.61486720652796	-100.7620592	348745.0561082394	386495.932416957	2920.061957971973	2787.9753147398715	2780.266517982626	2780.7671650217295	6.9877833862935	7.697987621912355
580	312	20720	11198.858673033514	997567.3170250766	39.6148664850165	-100.759718	348946.0391924634	386491.039092822	2919.0813275572465	2778.62178853147	2778.9548125487664	2781.1216873418664	8.87794326869925	8.87794326869925
581	312	20721	11858.858673033514	997567.3170250766	39.6148659672003	-100.7573787	349147.023884737	386487.887660033	2918.173684565006	2778.71382784963	2778.586435354443	2778.6226663027	11.13200274	11.23667146229276
582	312	20722	12518.858673033514	997567.3170250766	39.6148648040811	-100.755034	349348.007	386483.85613956	2917.175507881728	2787.620270772033	2774.02304704231	2774.090771437348	13.05808034862114	13.52048338615359
583	312	20723	13178.858673033514	997567.3170250766	39.61486397866566	-100.7528492	349548.990478269	386479.84739021	2918.236826957408	2787.5567551447343	2771.5023445126003	2771.466696760376	16.054014032134022	16.09050834385144
584	312	20724	13838.858673033514	997567.3170250766	39.614863054093355	-100.7503529	349749.9730757525	386475.822189146	2919.05412717809	2787.483739597704	2769.058473685656	2769.05348295671396	18.4390653291474	18.444001938068148
585	312	20725	14498.858673033514	997567.3170250766	39.61486203900536	-100.7480117	349950.5967917327	386467.80891421	2920.484611661777	2787.449475804769	2766.7562515726245	2766.806953578645	20.693242268144604	20.693242268144604
586	312	20726	15158.858673033514	997567.3170250766	39.61486106685474	-100.7456704	350115.939711581	386463.75971622	2920.4672057023445	2787.4072057023445	2764.7152111458927	2766.5813156280765	22.622924974268045	22.622924974268045
587	312	20727	15818.858673033514	997567.3170250766	39.6148600539402	-100.7433291	350352.9226260403	386463.75971622	2920.321397010843	2787.369242400594	2763.0602589818226	2763.1228918167426	24.30887853086364	24.324633268281663
588	312	20728	16478.858673033514	997567.3170250766	39.614859889597	-100.7409879	350553.50527645737	386459.738	2920.8401901309927	2787.330445937404	2761.75526322435	2761.75526322435	25.56865271305358	25.56865271305358
589	312	20729	17138.858673033514	997567.3170250766	39.61485971671757	-100.73813	350748.671757776	386457.81757776	2920.8401901309927	2787.330445937404	2761.75526322435	2761.75526322435	26.80533275404	26.80533275404
590	312	20730	17798.858673033514	997567.3170250766	39.61485945492146	-100.7363054	350955.870145386	386451.69720147	2930.015759909004	2787.26071212097	2758.851605583993	2753.120805427337	27.7246527010364	34.14826315448636
591	312	20731	18458.858673033514	997567.3170250766	39.614858323688	-100.7339641	351156.85236414	386447.66211598	2931.6304415202	2787.23950443702	2758.5533842192963	2753.7401592647437	28.88611021457373	43.4824782625704
592	312	20732	19118.858673033514	997567.3170250766	39.614857019622015	-100.7316229	351357.834349022	386443.65738056	2932.435089	2787.213790579606	2757.13274872902	2757.13274872902	30.01807406704243	45.1371933449923
593	312	20733	19778.858673033514	997567.3170250766	39.6148562678864	-100.7292816	351558.8163713418	386439.637857578	2933.268840529664	2787.192132653257	2756.815159626325	2742.043201366365	31.3679723899188	45.1371933449923
594	312	20734	20438.858673033514	997567.3170250766	39.614851308701446	-100.7269403	351759.7981601782	386435.415802199	2934.102278718337	2787.17430719315	2754.493321493303	2742.0150569957	32.68080525994456	45.1325024
595	312	20735	21098.858673033514	997567.3170250766	39.6148498589847	-100.7240913	351960.7898611706	386431.589	2934.882657132927	2787.15890368546	2753.977385742728	2742.047405735715	33.68081977043	45.1325024
596	312	20736	21758.858673033514	997567.3170250766	39.614848168567	-100.7222578	352161.17395363	386427.54043219	2935.60670178337	2787.17430719315	2754.493321493303	2742.0150569957	34.867961445659	44.975210247545
597	312	20737	22418.858673033514	997567.3170250766	39.6148469030937	-100.7199166	352362.74267012376	386432.561611259	2937.31702344715	2787.142040647173	2749.433694774623	2743.37633563737	37.709245869710605	45.10530738345964
598	312	20738	23078.858673033514	997567.3170250766	39.61484534409706	-100.7175753	352563.728886031	386419.549	2938.064242035416	2787.139992	2747.3715324508686	2740.77542162505	39.7684329031352	46.3643971844958
599	312	20739	23738.858673033514	997567.3170250766	39.61484373987025	-100.715234	352764.7049650085	386415.52488126	2939.06548115917	2787.142910155134	2745.464204606873	2738.159391846048	41.6787045087404	48.3935190665334
600	312	20740	24398.858673033514	997567.3170250766	39.61484200941328	-100.7128928	352965.688959445	386411.50851037	2940.298251048474	2787.15064321055	2743.427313502894	2738.8426414737013	43.7427017076756	52.3046173473448
601	312	20741	25058.858673033514	997567.3170250766	39.6148403976006	-100.7105815	353166.66959241	386407.48894252	2941.13622384584	2787.162689	2741.189920205243	2737.829774584494	45.973377233773	54.2949840424578
602	312	20742	25718.858673033514	997567.3170250766	39.614838760819	-100.708213	353367.547343329	386404.71135764	2942.01733035945	2787.17430719315	2743.427313502894	2738.8426414737013	47.180716145048	56.08533275404
603	312	20743	26378.858673033514	997567.3170250766	39.6148368760606	-100.705869	353567.6857395955	386399.54019565	2943.758340439314	2787.1985534082703	2738.6201167723407	2732.492077	50.9753436592596	57.747629260147
604	312	20744	27038.858673033514	997567.3170250766	39.614835040282664	-100.7035277	353769.68022311405	386395.34965346	2946.20183567994	2787.222941666413	2734.477154746785	2737.8356918518284	52.4577869213704	59.937249814612915
605	312	20745	27698.858673033514	997567.3170250766	39.6148331647441	-100.7011865	353970.58821	386391.41939397	2947.248582	2787.248582	2732.2230993203166	2736.213127884137	53.02548252553375	60.9373695927335
606	312	20746	28358.858673033514	997567.3170250766	39.614831343835894	-100.6988452	354171.5685303463	386387.40222468	2948.459506	2787.27602782765	2737.241563738936	2734.682521780635	53.074349	62.5934810212992
607	312	20747	29018.858673033514	997567.3170250766	39.61482927776715	-100.696504	354372.84862487	386383.763778472	2949.36862744978	2787.304468824638	2728.113474531357	2732.2722029934	53.99190235	63.9697948450741
608	312	20748	29678.858673033514	997567.3170250766	39.6148272664817	-100.6941627	354573.5262393007	386379.730472581	2950.8845016449975	2787.33011860253	2725.964852118243	2731.839457275355	55.4940596249979	65.4940596249979
609	312	20749	30338.858673033514	997567.3170250766	39.6148256401268	-100.6918242	354764.71095174	386375.848046017	2951.830491788071	2787.33011860253	2725.964852118243	2731.839457275355	56.80174149848	67.180174149848
610	312	20750	30998.858673033514	997567.3170250766	39.614823011879536	-100.689402	354955.823944575	38637						

ix	iy	x	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	BrElevLogKrg.	BrElevLogKrg.	SatHLogKrg.	SatHBoth.		
693	312	23083	85778.85867307335	197657.3170250766	36.144490990158174	-100.4951566	371666.32137794513	4386038.799310529	2730.953316073935	2639.4711511991945	2609.3204633309238	2609.247801935663	30.1508876827078	30.223349362331418
694	312	23084	86438.85867307335	197657.3170250766	-100.4828154	-100.4828154	371657.28896535256	4386034.802152216	2723.2004718720728	2631.1316862987784	2606.4819297055796	2606.4819297055796	32.546374623305554	32.546374623305554
695	312	23085	87098.85867307335	197657.3170250766	36.1444914217624	-100.494741	372054.2582944525	4386030.8051613625	2725.6913718700072	2634.474841756764	2604.3304061819224	2604.3304061819224	34.5241323549	34.5241323549
696	312	23086	87785.85867307335	197657.3170250766	36.1447315123495	-100.4881329	372259.3586723929	4386029.804818969	2726.595752025555	2635.58723286058	2607.387885596133	2607.387885596133	35.8704350844876	36.0991671581795
697	312	23087	88418.85867307335	197657.3170250766	36.1446711	-100.4857196	372460.19471443736	4386022.811898016	2731.150921162864	2638.3145421945305	2601.4076766634424	2601.010516310553	36.9068652896905	37.3040265634774
698	312	23088	89078.85867307335	197657.3170250766	36.14461032486716	-100.4834504	372661.16273477523	4386015.15598051	2733.5176591125574	2638.407189207514	2601.90920841107	2601.661179	36.913144669329	36.37913960132326
699	312	23089	89738.85867307335	197657.3170250766	36.144562053681	-100.4811092	372862.130651409	4386014.819260411	2732.27503520753	2636.202866465861	2605.29425064998	2605.29425064998	36.913144669329	36.37913960132326
700	312	23090	90398.85867307335	197657.3170250766	36.1444873	-100.4787679	373063.09843813826	4386010.304637395	2734.586693757072	2638.56874343338	2599.1740073338615	2600.063812345867	36.947360974665	36.947360974665
701	312	23091	91058.85867307335	197657.3170250766	36.1444261512964	-100.4764257	373254.0661038787	4386005.228682487	2736.18797403287	2632.167879403287	2595.522810296125	2595.522810296125	36.947360974665	36.947360974665
702	312	23092	91718.85867307335	197657.3170250766	36.1443652218084	-100.4740653	373465.033541132	4386002.830214511	2737.149045405614	2629.81212750147	2595.935818276982	2595.935818276982	37.3040265634774	37.3040265634774
703	312	23093	92378.85867307335	197657.3170250766	36.1442994407723	-100.4714422	373666.01070200706	4385998.8337	2741.0750588857	2627.520773	2578.81077306124	2578.81077306124	37.3040265634774	37.3040265634774
704	312	23094	93038.85867307335	197657.3170250766	36.1442359	-100.469403	373866.9683755553	4385994.842451047	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
705	312	23095	93698.85867307335	197657.3170250766	36.14417191207105	-100.4670618	374067.3358354053	4385990.84710325	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
706	312	23096	94358.85867307335	197657.3170250766	36.1441075	-100.4647206	374268.0622159763	4385986.85127067	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
707	312	23097	95018.85867307335	197657.3170250766	36.144025921925	-100.4623793	374489.8669465053	4385982.858965065	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
708	312	23098	95678.85867307335	197657.3170250766	36.1439377	-100.460381	374707.8363885055	4385979.8013953	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
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710	312	23100	96998.85867307335	197657.3170250766	36.14384555556	-100.4553556	375072.76967732963	4385970.772791757	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
711	312	23101	97658.85867307335	197657.3170250766	36.1437785	-100.4530144	375273.731431575	4385966.83851294	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
712	312	23102	98318.85867307335	197657.3170250766	36.1437135485136	-100.4506732	375474.7024915675	4385962.890502161	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
713	312	23103	98978.85867307335	197657.3170250766	36.1436375050194	-100.4483319	375675.6871853184	4385958.897617444	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
714	312	23104	99638.85867307335	197657.3170250766	36.143575693594	-100.4459907	375876.634268458	4385954.304035414	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
715	312	23105	100298.85867307335	197657.3170250766	36.143513682354	-100.4436482	376077.6853693614	4385950.228682487	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
716	312	23106	100958.85867307335	197657.3170250766	36.143438226016	-100.441303	376278.5657398023	4385946.200435022	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
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720	312	23110	103598.85867307335	197657.3170250766	36.1431578555189	-100.4319344	377082.4291126459	4385930.963	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
721	312	23111	104258.85867307335	197657.3170250766	36.1430866331232	-100.4296021	377283.3569436314	4385926.818819299	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
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730	312	23120	110198.85867307335	197657.3170250766	36.142425527552	-100.4085311	379092.0768	4385891.050573555	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
731	312	23121	110858.85867307335	197657.3170250766	36.142349530146	-100.4061899	379293.0406788576	4385886.01678084	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
732	312	23122	111518.85867307335	197657.3170250766	36.1422763234655	-100.4038487	379494.040892449	4385883.073101394	2748.196235980688	2625.302973614745	2573.53126867139	2573.53126867139	37.3040265634774	37.3040265634774
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736	312	23126	114158.85867307335	197657.3170250766	36.1419640177419	-100.394438	380097.859037307	4385867.102100392	2748.196235980688	2625.302973614745	25			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBoth.ft	SatThLogs.ft	SatThBoth.ft
79	313	230959	-319461.1413	9983137.3170250766	36.61138791898996	-101.9326627	2484234.2713253002	33887.36541145095	3688.696304555565	3486.42891757862	3421.79333678905	3429.534551	347.7045838997158	56.88834045582196
80	313	230960	-318801.1413	9983137.3170250766	36.61140946112571	-101.9303217	248435.8036437125	33887.3240140131	3697.413129352596	3485.09992329651	3427.4730412043214	3427.97030254917	57.6288629023391	57.128913041643754
81	313	230961	-314181.1413	9983137.3170250766	36.61141126370556	-101.9278807	248636.8689874402	33887.26271361831	3705.129957438693	3483.732301489918	3425.7100853230817	3426.75558277696	58.06313458777696	57.87491187827496
82	313	230962	-317481.1413	9983137.3170250766	36.61145306391516	-101.9253638	248827.9671495336	33887.2143601811	3712.8467784366713	3474.101642466713	3424.6578839266485	3426.5905438303504	57.7981007698786	57.7981007698786
83	313	230963	-316821.1413	9983137.3170250766	36.6114747477781	-101.9232398	249039.0492811076	33887.20046837013	3717.081050502624	3481.088882363667	3422.71122132089453	3423.162107454622	58.2669592742149	57.97274471847459
84	313	230964	-316161.1413	9983137.3170250766	36.61140646581907	-101.9205678	249240.1350661121	33887.1588638603	3717.832632	3479.750718467025	3421.3238273885718	3419.141794	58.48689107845308	60.60892404
85	313	230965	-315501.1413	9983137.3170250766	36.61151812893882	-101.9188168	249441.2115	33887.11734515059	3718.584298758336	3478.3950592862173	3419.2498846213	3420.0782037668203	59.14520796	58.31688882
86	313	230966	-314841.1413	9983137.3170250766	36.61153972683079	-101.9162758	249642.292785229	33887.707601	3719.335887278736	3477.301781969632	3417.580324442267	3418.3777447777713	59.4514752755616	58.654037227051504
87	313	230967	-314181.1413	9983137.3170250766	36.61156127951377	-101.9143846	249836.8689874402	33887.26271361831	3719.411657594894	3475.599504012816	3416.55455889644	3416.55455889644	59.79976586733296	59.11408417199875
88	313	230968	-313521.1413	9983137.3170250766	36.6115827696886	-101.9115353	250044.4530060766	33889.32425927	3718.81157053931	3474.277357702126	3414.107335	3417.70858965174	59.53206483095059	59.53206483095059
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91	313	230971	-311541.1413	9983137.3170250766	36.61164703800416	-101.9045709	250647.69238137378	33889.03403389	3717.611396595271	3470.0748071403145	3410.251777083032	3410.713210778339	60.3715037222586	59.361598361975444
92	313	230972	-310881.1413	9983137.3170250766	36.61166836457424	-101.9022299	250848.7716616243	33886.8230757838	3714.936470314928	3468.65153002123947	3408.2712338499828	3408.4560782177716	60.38029616241192	60.19345719462308
93	313	230973	-310221.1413	9983137.3170250766	36.6116894591892	-101.8998989	251049.8509958452	33886.781671988862	3713.353215116039	3467.216184	3405.783910670035	3405.845731911977	61.37075294074671	61.37075294074671
94	313	230974	-309561.1413	9983137.3170250766	36.6117108204357	-101.8979478	251250.2924834583	33886.7433986448	3711.7099591761308	3465.7689223276	3403.236774451244	3403.171207	62.597151545265004	62.597151545265004
95	313	230975	-308901.1413	9983137.3170250766	36.61173207246324	-101.8952609	251452.0805045235	33886.7040	3710.4784181628007	3464.3100879140943	3400.654091318885	3400.720457154969	63.655996112205854	63.589363929552504
96	313	230976	-308241.1413	9983137.3170250766	36.61175321862715	-101.8928569	251653.0863217735	33886.6726881281	3709.4976995485	3462.843957315482	3396.52712410749364	3396.571747147667	64.4620060069136	64.4620060069136
97	313	230977	-307581.1413	9983137.3170250766	36.61177432	-101.8905249	251854.1642786215	33886.6214758513	3708.510611546896	3461.37032599417	3394.3550611596693	3394.164618699105	65.0126234334773	65.0724048949147
98	313	230978	-306921.1413	9983137.3170250766	36.611795374322874	-101.8881839	252055.2421782214	33886.514082282	3707.523253232943	3459.85913507329943	3392.9737449223076	3392.5214815066674	67.3678651750162	67.3678651750162
99	313	230979	-306261.1413	9983137.3170250766	36.611858429	-101.885429	252256.3973760402	33886.583102577	3706.52282276428	3458.3890179047467	3391.231551664327	3390.6059154359164	67.16646624	67.79210246883031
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106	313	230986	-301641.1413	9983137.3170250766	36.61196218822057	-101.8694458	253663.85581833002	33886.2497554788	3701.442011118399	3447.6824565987983	3381.585044889393	3378.34288736136	69.0972407996199	69.3397573566211
107	313	230987	-300981.1413	9983137.3170250766	36.611982363645747	-101.8671146	253884.3614238945	33885.926869935	3698.756259794137	3446.138567172223	3380.390459697137	3376.512841882635	69.4781067148085	69.6257034
108	313	230988	-300321.1413	9983137.3170250766	36.6119977748	-101.8649778	254066.0677001859	33885.76177997748	3700.594178074358	3444.599178074358	3379.86147406595	3379.86147406595	71.55646732978	71.55646732978
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118	313	230998	-293721.1413	9983137.3170250766	36.61220686238621	-101.8413635	256076.747202880	33885.754336631	3680.315137605487	3431.1538452573603	3365.301541766625	3362.287170159018	68.503732	78.86657431342326
119	313	230999	-293061.1413	9983137.3170250766	36.6122270795795162	-101.8390225	256277.8190956366	33885.7171669594	3680.315137605487	3430.1260011666945	3363.588499	3352.6185437621452	68.51365209274445	77.4840574045928
120	313	231000	-292401.1413	9983137.3170250766	36.61224714829414	-101.8368615	256478.8926766784	33885.6712151035	3678.976112576507	3429.07321593623	3361.665719226616	3351.4411453084658	69.404679061673	76.66176287589
121	313	231001	-291741.1413	9983137.3170250766	36.6122683645747	-101.8345916	256681.9636703836	33885.6594051126	3677.745783	3428.046314746804	3359.848173839607	3350.488173839607	69.5274810098411	75.9176608
122	313	231002	-291081.1413	9983137.3170250766	36.61228713311038	-101.8319964	256881.7063703836	33885.6594051126	3677.745783	3427.039571979497	3357.33713617045	3353.49191959447	69.680714459717	75.460752356549
123	313	231003	-290421.1413	9983137.3170250766	36.6123070796401	-101.8								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBotKgr.f	SatHtKgr.f	SatHtBot.f
205	313	20185	-236301.1413	1983137.3170250766	36.61378698388599	-101.6376893	273569.19384780794	4388217.310309654	3482.7408147775504	3535.827349	3236.4107840254605	3236.4575705117386	319.41656625329955	139.3697781675148
206	313	20186	-236641.1413	1983137.3170250766	36.613803154925165	-101.63532482	273770.24637885735	4388213.207	3480.1561451005225	3534.6857665249314	3232.986189196809	3232.304132908062	312.69960328122427	122.6156361869839
207	313	20187	-236981.1413	1983137.3170250766	36.61381928072841	-101.633007	273871.2986871883	4388209.100287913	3481.5312826308745	3533.18290108745	3232.167842056544	3232.492202566544	124.35624353510461	128.02630917305683
208	313	20188	-237421.1413	1983137.3170250766	36.61383536132571	-101.6306569	273770.24637779794	4388204.994235628	3477.8861425206253	3532.704804269846	3225.948123	3223.534082805023	126.73870504869594	128.790925241739305
209	313	20189	-237861.1413	1983137.3170250766	36.613851366687046	-101.6283248	274373.4026361001	4388200.884809055	3477.2010502035087	3531.17723092871	3223.136525783442	3219.896805378184	127.9751973040294	131.21467271468732
210	313	20190	-238001.1413	1983137.3170250766	36.61387366232234	-101.6259836	274574.5445727318	4388196.782808186	3476.537594	3349.8758224518347	3220.632850471003	323.16500751526486	129.24053740473437	133.07307249937617
211	313	20191	-238241.1413	1983137.3170250766	36.613883317313614	-101.6236245	274757.5056963996	4388192.677433017	3474.466417852141	3348.6200454975862	3218.4906	3213.0005440579365	130.1297047539565	135.61975960613563
212	313	20192	-238611.1413	1983137.3170250766	36.61389923	-101.6213014	274976.5566939039	4388186.57228336	3470.992465217681	3347.3460243594255	3216.3880750566867	3209.4848000797374	130.9570930273678	137.49724531681361
213	313	20193	-239011.1413	1983137.3170250766	36.61391568571188	-101.6189602	275177.6078695674	4388184.546739973	3468.5145782583584	3346.9532922674465	3214.68642266669	3206.9167862571413	131.58682364030563	138.452634030563
214	313	20194	-239361.1413	1983137.3170250766	36.6139309	-101.616191	275378.6586241799	4388180.36261611	3464.04455952001	3344.7434585877294	3212.431557098117	3203.9802314071053	132.311899289162	140.75353398062409
215	313	20195	-239701.1413	1983137.3170250766	36.61394666	-101.6142779	275579.79515755304	4388176.2581891585	3461.188445	3343.4174009389502	3210.5318008303198	3201.316107491543	132.8857601900395	142.10330240740492
216	313	20196	-229041.1413	1983137.3170250766	36.61396237788618	-101.6119368	275780.7549669919	4388172.15394262	3458.95018665799	3342.07720276221	3206.649902804888	3219.6268400060813	132.42732422133304	142.86034202561256
217	313	20197	-228831.1413	1983137.3170250766	36.61397805143351	-101.6095956	275981.80956170347	4388169.490912125	3456.7118050465577	3340.7223891219423	3206.9252035481355	3197.1715825738068	143.01085674862087	143.7891248175203
218	313	20198	-227721.1413	1983137.3170250766	36.61399367976463	-101.6072545	276182.8594328932	4388163.946125718	3454.473615349165	3339.35720978278	3205.15540908953	3197.540728392761	134.198311369327	141.74899213900644
219	313	20199	-227061.1413	1983137.3170250766	36.61400926296442	-101.6049134	276383.9091	4388159.42555853	3448.7213437151887	3337.968818171764	3196.1902467846183	3197.5353340758103	141.787917438617	142.777763683988
220	313	20200	-226401.1413	1983137.3170250766	36.61402480073792	-101.6025722	276584.9585	4388155.793211619	3453.051140195278	3336.568347872746	3201.07308905304	3194.675448263805	135.4932583674215	141.891399289162
221	313	20201	-225741.1413	1983137.3170250766	36.61404029338505	-101.6002211	276786.0077253973	4388151.636093006	3452.848915639357	3335.153924651617	3199.2491457841832	3194.1624550959646	135.904777033297	140.9914887
222	313	20202	-225081.1413	1983137.3170250766	36.61405574800579	-101.5978899	276987.0567165629	4388143.33200004	3451.664871063415	3333.727784744757	3197.301103128167	3196.42668161650093	139.7185917036396	142.3370193707396
223	313	20203	-224421.1413	1983137.3170250766	36.61407114300016	-101.5955488	277188.15048823964	4388143.33200018	3453.139924865565	3332.2913860967224	3194.257460577403	3194.324293775217	137.04734551931915	143.794232125049
224	313	20204	-223761.1413	1983137.3170250766	36.61408649999996	-101.5930276	277389.15400462753	4388139.43206918	3454.328627848726	3330.84631932411596	3193.1353320095577	3194.71088731460187	138.1124918715203	143.924818715203
225	313	20205	-223101.1413	1983137.3170250766	36.61410181	-101.5908665	277590.2023739378	4388135.22586474	3455.571237108905	3329.39368362628	3190.93973836016	3195.13458096595	138.4541230620528	134.25839590760845
226	313	20206	-222441.1413	1983137.3170250766	36.614117024448	-101.5885253	277791.25048578164	4388131.13283993	3456.700625570594	3327.355543396598	3189.03036775533	3197.2620182487	138.3046651915459	130.5896232120108
227	313	20207	-221781.1413	1983137.3170250766	36.61422677498468	-101.5857481	277919.88191783255	4388127.022118491	3457.816265345	3326.649685371753	3188.649819781027	3192.631478918402	138.45489114161363	142.45489114161363
228	313	20208	-221121.1413	1983137.3170250766	36.6141474755474	-101.58393	278193.34061406	4388118.925974735	3455.348371512593	3325.0141385497	3183.965690265542	3192.633022818953	141.042415882428	127.5082952510978
229	313	20209	-220461.1413	1983137.3170250766	36.614162606410034	-101.5815918	278394.39352051774	4388112.819	3454.046927741563	3323.558824166446	3180.977362880823	3197.63943302081869	142.5810783673633	125.9139808585378
230	313	20210	-219801.1413	1983137.3170250766	36.614179201868	-101.5791607	278595.4407615256	4388114.7817195	3452.745548434725	3321.13960442068	3177.71262317193	3192.292875414116	140.416431870502	142.847108626595
231	313	20211	-219141.1413	1983137.3170250766	36.61417623240071	-101.5768195	278796.487784629	4388110.617314379	3450.86210559317	3320.68824073841	3174.092237946163	3195.348968126774	146.5948681296774	125.3374018683069
232	313	20212	-218481.1413	1983137.3170250766	36.6142077255604	-101.5744784	278987.5345902245	4388106.516677098	3444.67049685018	3319.2870200934076	3170.076458209963	3170.483816893502	140.417154712128	129.84804119909577
233	313	20213	-217821.1413	1983137.3170250766	36.61422677498468	-101.5721372	279198.88191783255	4388102.792118491	3447.816265345	3318.71537407026	3169.60942192739	3192.631478918402	138.45489114161363	142.45489114161363
234	313	20214	-217161.1413	1983137.3170250766	36.61423758218661	-101.570176	279399.5945420195	4388098.131607119	3444.7719773744215	3317.568356120234	3167.013600155008	3186.983405054896	145.897005096945	147.153175537779
235	313	20215	-216501.1413	1983137.3170250766	36.6142524166176	-101.5674585	279600.6737	4388094.26118404	3443.325593138208	3315.3070733492054	3165.08381100841	3160.426230281761	159.2226320479446	154.8808430674444
236	313	20216	-215841.1413	1983137.3170250766	36.6142725591013	-101.5651137	279801.7196407	4388090.116833197	3429.382152124003	3314.0400675805205	3163.0848471998	3155.47315246829	140.6021937850437	158.5691249037348
237	313	20217	-215181.1413	1983137.3170250766	36.6142820483171	-101.5627726	280002.7653065492	4388086.016873493	3427.438718702552	3312.788218	3154.0479171981954	3154.6140621743475	140.75403665370478	157.154161561025
238	313	20218	-214521.1413	1983137.3170250766	36.61429674872641	-101.5604314	280203.810645917	4388081.91758276	3425.95351228384	3311.544581871466	3156.0851149482537	3156.155516	155.3888657262599	155.3888657262599
239	313	20219	-213861.1413	1983137.3170250766	36.6143142729423	-101.5580902	280404.8561524398	4388077.81835043	3422.734683026533	3310.30301808151	3156.049859877663	3156.4171395517996	151.8317567372454	151.8317567372454
240	313	20220	-213201.1413	1983137.3170250766	36.61432606525105	-101.5557481	280605.9012243002	4388071.91789287	3420.5490527283	3309.6040527283	3156.049859877663	3156.4171395517996	151.8317567372454	151.8317567372454
241	313	20221	-212541.1413	1983137.3170250766	36.614338487491814	-101.5534079	280806.9480083786	4388069.621	3417.80534285246	3307.80534285246	3156.049859877663	3156.4171395517996	151.8317567372454	151.8317567372454
242	313	20222	-211881.1413	1983137.3170250766	36.61435351916323	-101.5510667	28107.990720854	4388065.52270014	3412.000536715243	3306.53734897964	3161.672913757347	3161.5495400159707	144.864621122299	144.864621122299
243	313	20223	-211221.1413	1983137.3170250766	36.61436986926296	-101.5487256	281209.3051460193	4388051.445503001	3409.543855758053	3305.248692157023	3159.892752184049	3159.892752184049	145.9856925471427	145.9856925471427
244	313	20224	-210561.1413	1983137.3170250766	36.614384147129346	-101.5463844	281410.0735599063	4388057.266188735	3408.86671220081	3303.933316	3156.002678734644	3156.598175667741	146.9304813156259	147.33498437885242
245	313	20225	-209901.1413	1983137.3170250766	36.614398548942496	-101.5440342	281611.1234505917	4388053.22891084	3406.86766793398	3302.858369697232	3156.6451953098	3156.3364410610293	145.9381516872544	146.2471956389834
246	313	20226	-209241.1413	1983137.3170250766	36.61441129	-101.541702	281812.16721320585	4388049.31430266	3405.51373235333	3301.91691365441	3156.3364410610293	3156.3364410610293	146.2471956389834	146.2471956389834
247	313	20227	-208581.1413	1983137.3170250766	36.61442677498468	-101.5393717	282018.2541483043	4388040.93145426	3403.615616023053	3300.2413015126824	3156.3364410610293	3156.3364410610293	146.2471956389834	146.2471956389834
248	313	20228	-207921.1413	1983137.3170250766	36.6144552549547	-101.5364785	282415.2972855173	4388036.84031131	3401.100050413672	3300.6669232584396				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
331	313	21211	-153141.1413	9983137.3170250766	39.6154683714587275	-101.3426993	298900.1256877006	4387701.668720934	3210.5208911229874	16.98418516796387	3060.8620002460652	3062.4413885394956	108.556516503217	108.67712825899132
332	313	21212	-152481.1413	9983137.3170250766	39.61547843815254	-101.3403581	299101.1517611814	4387697.590502398	3212.7643319814706	3161.970289672777	3058.863158546534	3060.480173056884	109.04547108730214	107.42621661587783
333	313	21213	-151921.1413	9983137.3170250766	39.61550867049261	-101.3380168	299302.1737042191	4387692.05013885	3207.0257126234474	3166.045094694977	3057.793811290134	3059.177267245686	109.047113266584	107.42621661587783
334	313	21214	-151611.1413	9983137.3170250766	39.615494965	-101.3356756	299503.2033	4387689.4530090865	3201.2872130964374	3164.901215037683	3057.3292511767536	3057.2746665801921	107.62714396277198	107.42621661587783
335	313	21215	-150501.1413	9983137.3170250766	39.61550869097775	-101.3333344	299704.228824841	4387685.358	3200.904884319703	3163.389764553637	3057.0406882346665	3057.14825211974734	106.35807631897609	106.2505133741638
336	313	21216	-149841.1413	9983137.3170250766	39.61552020894566	-101.330931	299905.25412489346	4387681.28033662	3205.87847037515	3161.869682	3056.7580740408673	3057.977917383096	105.13881157203286	105.13881157203286
337	313	21217	-149181.1413	9983137.3170250766	39.615530527160104	-101.3286519	3001.0672792259913	4387677.203378305	3210.857655477894	3160.3959496536	3056.116062151177	3059.6215040974127	104.27953734358638	104.27953734358638
338	313	21218	-148521.1413	9983137.3170250766	39.61554072814142	-101.3263106	300307.30412990926	4387673.127	3215.826585471844	3158.8949405494265	3054.9411751208657	3054.9411751208657	104.95224773396078	98.54481328059228
339	313	21219	-147861.1413	9983137.3170250766	39.6155589638941	-101.3238496	300608.3268392866	4387669.05013885	3225.2148619629458	3156.894115342625	3053.177267245686	3053.177267245686	104.20959618806542	98.54481328059228
340	313	21220	-147201.1413	9983137.3170250766	39.6155699441615	-101.321621	300790.353325245	4387654.97388956	3227.7381198	3157.902341490305	3051.148583912736	3051.148583912736	104.7537953263645	100.6856712531093
341	313	21221	-146541.1413	9983137.3170250766	39.61557105970567	-101.3192898	300910.37767101784	4387650.89758713	3259.021290161002	3154.4097806569356	3049.983086644445	3051.881527139633	104.4166940214506	102.62823346627232
342	313	21222	-145891.1413	9983137.3170250766	39.61558107977365	-101.3169456	301111.4017945016	4387656.82171343	3275.304139196584	3152.973959316545	3047.8534907467497	3047.3692596883952	105.063951849048	105.063951849048
343	313	21223	-145221.1413	9983137.3170250766	39.61559105460839	-101.3146044	301312.4257231696	4387652.74062245	3282.237192169305	3151.424328089502	3045.76548766626	3045.76548766626	106.71867732278596	106.71867732278596
344	313	21224	-144561.1413	9983137.3170250766	39.61560088421375	-101.3123632	301513.449	4387649.03603007	3279.819600030543	3149.930138527515	3045.320449385801	3045.320449385801	106.6074446695036	105.79917920318912
345	313	21225	-143901.1413	9983137.3170250766	39.6156100858973	-101.3099219	301714.4729971735	4387644.5943442	3282.237192169305	3148.437166282517	3042.6147556518836	3040.585413355042	106.82286127663338	97.85220196
346	313	21226	-143241.1413	9983137.3170250766	39.61562071	-101.307807	301915.494242046	4387640.52045787	3274.984476328454	3146.951594020616	3040.80503675042	3038.115333919771	106.1465034581973	106.82286127663338
347	313	21227	-142581.1413	9983137.3170250766	39.61563050165345	-101.3052394	302116.519494534	4387636.446	3278.589374045973	3145.473892454125	3038.4148460653732	3035.4029570663901	107.058963875154	109.98123171002277
348	313	21228	-141921.1413	9983137.3170250766	39.61564025034116	-101.3028982	302317.5424525053	4387632.371177506	3282.216720544004	3144.00923468409	3037.9310582375935	3032.69354	106.09696523465053	111.3138114082862
349	313	21229	-141261.1413	9983137.3170250766	39.61564965379937	-101.3005569	302518.5652168463	4387628.296874505	3297.84470420321	3142.557986132103	3036.514248062569	3037.10362333077	106.04373806955073	107.269490878254
350	313	21230	-140601.1413	9983137.3170250766	39.61565961208125	-101.2982156	302719.787806246	4387624.222796011	3301.471420743028	3141.119738761184	3034.7892654828765	3026.750473284037	106.034732843074	116.3831183883706
351	313	21231	-139941.1413	9983137.3170250766	39.61566925207375	-101.2958744	302920.6106160582	4387620.14892175	3316.4871789	3139.694214972973	3033.599438673232	3033.599438673232	106.049746209742	116.034732843074
352	313	21232	-139281.1413	9983137.3170250766	39.61567872977711	-101.2935331	303121.6325114305	4387616.07531239	3318.431745405973	3138.281173695074	3031.989120665547	3031.989120665547	106.9025302951692	102.303974234896
353	313	21233	-138621.1413	9983137.3170250766	39.61568792454346	-101.2910745	303325.022817875	4387612.09081744	3322.2148619629458	3136.894115342625	3030.188127398558	3030.188127398558	106.79947320508471	102.303974234896
354	313	21234	-137961.1413	9983137.3170250766	39.61569770647971	-101.2885056	303523.671	4387607.92872145	3328.954956967913	3135.40045462013	3029.650769155029	3029.651122317394	105.836973069837	123.2353422303347
355	313	21235	-137301.1413	9983137.3170250766	39.61570722472897	-101.2865094	303724.69775057544	4387603.858577219	3330.363776853208	3134.1049764638	3029.097738866784	3029.097738866784	105.00725877562545	123.2353422303347
356	313	21236	-136641.1413	9983137.3170250766	39.615716611580446	-101.2841681	303925.719646673	4387599.783041787	3326.40572930105	3132.73499522564	3027.9225123313095	3026.4328735702864	104.8009871912543	126.29062615227758
357	313	21237	-135981.1413	9983137.3170250766	39.615725953202286	-101.2818269	304126.7404	4387595.711	3328.4516527379305	3131.345820408329	3026.854619626501	3026.854619626501	104.9120074582786	127.8195388869598
358	313	21238	-135321.1413	9983137.3170250766	39.6157354959451	-101.2794856	304327.7614220056	4387591.623353583	3324.49546472908	3129.971683265777	3025.8646015632494	3025.8646015632494	104.7078170246833	129.3570730774084
359	313	21239	-134661.1413	9983137.3170250766	39.6157450075707	-101.2767745	304528.762246458	4387587.09081744	3328.954956967913	3128.9048620652323	3025.08464286464	3025.08464286464	104.61890172631592	129.3570730774084
360	313	21240	-134001.1413	9983137.3170250766	39.61575570648999	-101.2748031	304729.8028766034	4387574.04363543	3333.010203111443	3127.8240435074164	3024.00835074164	3024.00835074164	104.5011734717716	129.3570730774084
361	313	21241	-133341.1413	9983137.3170250766	39.615762687393244	-101.2724618	304930.82339879493	4387579.422755316	3337.005438	3125.8679268489166	3023.164042714444	3023.164042714444	104.3918639810598	102.780382377424
362	313	21242	-132681.1413	9983137.3170250766	39.615771986674	-101.2701266	305113.843637644	4387574.075311959	3342.0406767820965	3124.5084017411283	3022.675723615315	3022.675723615315	104.8206741095968	132.38684990581878
363	313	21243	-132021.1413	9983137.3170250766	39.615781053110545	-101.2677793	305323.8637317114	4387571.280212398	3341.7350140401	3123.1522366774275	3022.486255227223	3022.486255227223	106.6661115470515	132.83920773615228
364	313	21244	-131361.1413	9983137.3170250766	39.61579008	-101.265438	305533.839993026	4387567.290277686	3340.008439313561	3121.798212405273	3021.3736937528971	3021.3736937528971	106.945233029643	130.1112792581925
365	313	21245	-130701.1413	9983137.3170250766	39.61579987798812	-101.2630968	305734.030295564	4387563.138674474	3338.2819862236088	3120.445125483157	3020.574777289715	3020.574777289715	106.968623038578	130.1112792581925
366	313	21246	-130041.1413	9983137.3170250766	39.615809118812	-101.2607755	305935.022817875	4387559.09081744	3337.005438	3120.445125483157	3020.574777289715	3020.574777289715	106.968623038578	130.1112792581925
367	313	21247	-129381.1413	9983137.3170250766	39.61581688178252	-101.2584143	306136.9642178825	4387555.979024093	3335.01531276174	3117.7546406079264	3020.831391	3020.831391	106.968623038578	130.1112792581925
368	313	21248	-128721.1413	9983137.3170250766	39.61582572583818	-101.256073	306337.96124437586	4387550.927837706	3326.790570373415	3116.419173	3024.94706185869	3020.3417858119	106.968623038578	130.1112792581925
369	313	21249	-128061.1413	9983137.3170250766	39.61583452	-101.2537317	306538.9801814535	4387546.3879173805	3325.1396099999999	3024.546356145747	3020.11692441291	3020.11692441291	106.968623038578	130.1112792581925
370	313	21250	-127401.1413	9983137.3170250766	39.615843278383586	-101.2513095	306739.9989232083	4387542.7883307	3289.518649	3113.7679216631424	3020.48837887575	3020.48837887575	106.968623038578	130.1112792581925
371	313	21251	-126741.1413	9983137.3170250766	39.61585198679082	-101.2490492	306941.01784891814	4387538.791092078	3324.04397391102	3112.45288331633	3020.31390272	3020.31390272	106.968623038578	130.1112792581925
372	313	21252	-126081.1413	9983137.3170250766	39.615860649945474	-101.2467709	3071142.0358625676	4387534.64888102	3326.814811900024	3110.11540681517	3020.11692441291	3020.11692441291	106.968623038578	130.1112792581925
373	313	21253	-125461.1413	9983137.3170250766	39.615869779812	-101.2444254	307324.0358625676	4387530.99081744	3325.08464286464	3109.04863929755	3020.08464286464	3020.08464286464	106.968623038578	130.1112792581925
374	313	21254	-124761.1413	9983137.3170250766	39.61587784063204	-101.2420254	307544.07127378493	4387526.15273432	3325.08464286464	3108.502748042786	3020.08464286464	3020.08464286		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.F	W.Lt.	BRIEVLgthsKg.f	BRIEVLgthsKg.f	SatThLgths	SatThBtth
437	213337	-69981.14133		998317.3170250766	39.16431703129116	-101.0476986	324227.923900448	4387189.592590598	3134.24732050524325	2002.5275650205803	2922.5798893038693	2919.992353990359	64.64766671689404	86.2352020304136
438	213338	-69932.14133		998317.3170250766	39.16436476462264	-101.0453573	324428.9320240108	4387185.542641354	3115.8197470462489	3004.513493118804	2921.5733840740586	2918.885488370278	65.64002963782184	85.62746554
439	213339	-69861.14133		998317.3170250766	39.16441220460678	-101.0430316	324629.9353781905	4387181.4929484911	3121.76208595448	2992.362839598988	2930.386915921007	2918.68539623107	66.3922910171065	85.097137468215
440	213340	-69801.14133		998317.3170250766	39.1644588749793	-101.0406747	324830.93376	4387177.5443157413	3115.84981484079	3001.036260291373	2918.808392319376	2915.839392319376	66.2293167685496	87.1522677378082
441	213341	-66731.14133		998317.3170250766	39.1645052515804	-101.0383334	325031.3399925758	4387173.394371715	3108.91690271327105	2997.2407016196895	2917.100526816678	2912.3357856440026	62.17335448031128	86.932859766694
442	213342	-66681.14133		998317.3170250766	39.1645511758713	-101.0359921	325232.942214333	4387169.354340382	3103.9843124213147	2997.4967363291216	2915.470593647628	2910.4981010407832	62.0216488149363	86.99863528123797
443	213343	-66621.14133		998317.3170250766	39.16459664781575	-101.0336508	325343.944262573	4387165.296652414	3098.040155186366	2995.7048356165184	2913.507465519876	2908.84630678657	62.19708906	86.85802392582847
444	213344	-65361.14133		998317.3170250766	39.1646416675217	-101.031309	325634.946142276	4387161.284182285	3092.08435268756026	2993.890987756026	2911.350557439113	2907.7641960518495	61.83489273653172	86.13489273653172
445	213345	-64701.14133		998317.3170250766	39.164692388146	-101.028869	325835.947665544	4387157.199826598	3086.128716335557	2992.368176335557	2908.162316728167	2908.298470032414	62.01869713746825	85.9718964266227
446	213346	-64041.14133		998317.3170250766	39.1647302493933	-101.0262629	326036.949034415	4387153.107392363	3079.17209936512	2990.249765026356	2906.20786342228	2906.21068975683	62.03428901340278	84.0390737537871
447	213347	-63381.14133		998317.3170250766	39.1647701265856	-101.0242858	326227.9508	4387149.13389963	3073.4363777074046	2988.4083692043862	2904.45132041009412	2903.367378468936	61.836731501345699	85.04491074950465
448	213348	-62721.14133		998317.3170250766	39.1648172	-101.0219443	326438.9519817258	4387145.056	3065.91889132965	2986.560679	2902.5276478606266	2900.140252577106	64.03323476	86.4206268689402
449	213349	-62061.14133		998317.3170250766	39.164859812127	-101.019603	326639.9530175328	4387141.00883337	3058.401394528335	2984.712293	2901.137744005213	2900.38243	63.13897185971231	84.32898987
450	213350	-61401.14133		998317.3170250766	39.1649023	-101.017617	326840.953847239	4387136.96169205	3050.88937826349102	2982.8637826349146	2900.1147727190408	2900.1147727190408	63.74905048	83.4371463813513
451	213351	-60741.14133		998317.3170250766	39.16494414051274	-101.0148204	327014.95485850728	4387132.914708816	3041.426222124593	2981.0185829315537	2899.175080036916	2898.812104	61.84302693905212	82.2064872751351
452	213352	-60081.14133		998317.3170250766	39.1649851416981	-101.0125791	327242.951140867	4387128.867701978	3030.023812962616	2979.179588728164	2898.686724422133	2898.244391791	60.4926351391042	80.8351965139402
453	213353	-59421.14133		998317.3170250766	39.1650254968751	-101.0102378	327443.954766881	4387124.82458741	3018.630540679297	2977.348572831481	2898.0422287959	2897.318630401379	59.30634045752198	79.6167089913475
454	213354	-58761.14133		998317.3170250766	39.165060960871295	-101.0078964	327644.9556714576	4387120.775	3007.232699639629	2975.52792818837	2897.157628	2897.2215009581818	78.30634017915574	78.30634017915574
455	213355	-58101.14133		998317.3170250766	39.165107	-101.0055551	327845.9557	4387116.729	3002.925392469825	2973.720043491047	2896.999518234348	2896.693242769825	77.27442526	77.0276897121196
456	213356	-57441.14133		998317.3170250766	39.16515466231696	-101.0032138	328046.95555848524	4387112.68236057	3005.708619179373	2971.30344655213	2896.708871973765	2896.382263849865	75.22707211518584	75.5338680776452
457	213357	-56781.14133		998317.3170250766	39.1651857629438	-101.0008725	328247.9525113546	4387108.67341649	3008.491827335336	2970.176732977497	2896.07186816514	2895.896442902737	74.10466818	74.2802909504598
458	213358	-56121.14133		998317.3170250766	39.16522445025985	-100.998312	328448.9467768163	4387104.592224394	3011.2750531702536	2968.438094105266	2895.879159	2895.8613211229723	73.62473821	73.08261319
459	213359	-55461.14133		998317.3170250766	39.16526329597254	-100.9957329	321262.307159176	438707.480194443	3008.3292343688827	2968.3292343688827	2894.7681968414	2894.7681968414	71.2419712842863	71.2419712842863
460	213360	-54801.14133		998317.3170250766	39.1653004679537	-100.9934868	328580.933203805	4387096.502126355	3007.11122936131	2965.0541527617074	2894.8236814040534	2893.740615679637	70.2047130125406	71.3153331307038
461	213361	-54141.14133		998317.3170250766	39.165337788338	-100.9915073	329051.95253410956	4387092.4501514	3029.674079789495	2963.8340994162	2894.066201745644	2892.999227128214	69.3271908185965	70.3942224134185
462	213362	-53481.14133		998317.3170250766	39.165374674017	-100.989166	329252.95121397625	4387084.12900317	3036.4774033072079	2961.752142829167	2893.21226649911	2892.174621945227	68.339733400573	69.57968078496396
463	213363	-52821.14133		998317.3170250766	39.1654111021576	-100.9868247	329453.949097004	4387080.86822638	3038.768663931327	2960.1275166003214	2892.557683399162	2891.2337793224174	67.5698932008711	68.89373127741495
464	213364	-52161.14133		998317.3170250766	39.165447075601	-100.9844034	329654.9484360992	4387078.234568467	3038.548938700075	2958.516997109641	2891.4507533124715	2889.8404313466162	67.06623479716659	68.6786576302488
465	213365	-51501.14133		998317.3170250766	39.16548225967335	-100.982142	329858.9467987864	4387076.280728005	3038.3292343688827	2958.3292343688827	2890.071481361013	2889.071481361013	65.38481849875903	66.18481849875903
466	213366	-50841.14133		998317.3170250766	39.165519730311185	-100.9798772	327012.13710081185	4387072.13710081185	3038.409485381975	2958.409485381975	2890.071481361013	2889.071481361013	63.339733400573	64.883984274179
467	213367	-50181.14133		998317.3170250766	39.16555522802674	-100.9774594	320257.9430283417	4387068.193746034	3037.67199338743	2953.7486188042312	2888.8003615448958	2888.81952320095	63.8462576	68.5504667415309
468	213368	-49521.14133		998317.3170250766	39.1655864425508	-100.9751811	330458.94089696177	4387064.150586716	3053.076148761532	2952.7538405878	2885.51067681316	2883.2694117109353	66.66216674133	68.9059716844927
469	213369	-48861.14133		998317.3170250766	39.1656201581388	-100.9727768	330659.9386	4387060.107469967	3062.40644240684	2950.06898027182	2884.05307534754	2881.12206379327	66.56519049	69.4804916484849
470	213370	-48201.14133		998317.3170250766	39.1656534177093	-100.9704355	330860.9361363555	4387056.04369679	3071.8448416669474	2949.074670779688	2882.448942189049	2878.696472943963	66.582798091906	70.312634893168
471	213371	-47541.14133		998317.3170250766	39.16568622496715	-100.9680442	331061.9335102222	4387052.022448838	3076.92444730005	2949.491595629908	2880.862876878345	2878.696472943963	66.628766950514	71.3625217295044
472	213372	-46881.14133		998317.3170250766	39.1657182791254	-100.9657329	331262.307159176	4387047.480194443	3079.179588728164	2945.3902343688827	2887.741915810453	2886.812104	64.38481849875903	71.2419712842863
473	213373	-46221.14133		998317.3170250766	39.1657504852452	-100.9634116	331463.9277565203	4387043.38137474	3078.459238833592	2947.379561113414	2886.785043312834	2877.379561113414	63.7271071092	70.5127417052526
474	213374	-45561.14133		998317.3170250766	39.1657819329652	-100.9610702	331664.924840026	4387039.896317933	3076.24202077642	2942.85148268585	2876.07949	2876.07949	63.7271071092	70.5127417052526
475	213375	-44901.14133		998317.3170250766	39.165812308725	-100.9587289	331865.9214	4387035.58471809	3076.5021602168234	2941.38705851121	2874.949019646101	2874.949019646101	63.7271071092	70.5127417052526
476	213376	-44241.14133		998317.3170250766	39.1658434765672	-100.9563876	332066.9179221711	4387031.71349094	3076.24202077642	2939.76174712809	2874.51359489756	2869.381755791372	62.8421467383344	70.3801042807713
477	213377	-43581.14133		998317.3170250766	39.1658763599486	-100.9540463	332267.9143145659	4387027.772199778	3063.996598558603	2937.213588714117	2868.584072943963	2868.584072943963	62.8421467383344	70.3801042807713
478	213378	-42921.14133		998317.3170250766	39.16590321136712	-100.951705	332468.9150441904	4387023.731273953	3065.7437281309403	2936.696992	2867.4731371	2867.4731371	61.866613623587	68.9989101
479	213379	-42261.14133		998317.3170250766	39.16593046136712	-100.949378	332669.9150441904	4387019.36136712	3065.7437281309403	2936.696992	2867.4731371	2867.4731371	61.866613623587	68.9989101
480	213380	-41601.14133		998317.3170250766	39.16596119211672	-100.9470224	332869.9150441904	4387015.15	3065.7437281309403	2936.696992	2867.4731371	2867.4731371	61.866613623587	68.9989101
481	213381	-40941.14133		998317.3170250766	39.16598820435485	-100.9446811	333071.9825768786	4387011.609836316	3065.7437281309403	2936.696992	2867.4731371	2867.4731371	61.866613623587	68.9989101
482	213382	-40281.14133		998317.3170250766	39.1660173	-100.9423397</								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThLogKgr.ft	SatThBoth.ft
583	313	241463	13176.85867303351	998317.3170250766	39.61667694940289	-100.752693	349563.0168	3486681.068152745	2913.8154839313357	2785.8550257243305	2770.49537484875528	2770.5778664105733	15.359660584880263	15.2771953737528
584	313	241464	13838.85867303351	998317.3170250766	39.61667602	-100.7503517	349753.9996433449	3486677.03451281	2917.805896	2785.8156612520525	2767.857716648912	2767.943527059778	17.87614440313998	17.876144419274144
585	313	241465	14498.85867303351	998317.3170250766	39.6166750516796	-100.7480934	349854.9636296767	3486673.034892362	2901.78807106124	2785.816183213131	2765.80764017738	2765.90764017738	20.2865028677485	20.2865028677485
586	313	241466	15165.85867303351	998317.3170250766	39.61667406311945	-100.7456691	35055.786193725084	3486669.034641241	2925.786170661908	2785.765523620505	2763.78887906877	2763.72521424256	22.47966317362835	22.49225814779473
587	313	241467	15818.85867303351	998317.3170250766	39.616672974828575	-100.7433277	350356.3497572966	3486664.98220509	2927.6946033775573	2785.746282133126	2761.5834291527817	2761.34592714717	24.1628529803427	24.1628529803427
588	313	241468	16478.85867303351	998317.3170250766	39.61667186810579	-100.7409864	350557.0304729241	3486661.961450033	2927.51998733531	2785.726155333876	2760.191235040854	2759.245022784454	26.484252171060784	26.484252171060784
589	313	241469	17138.85867303351	998317.3170250766	39.61667072	-100.7386452	350758.9172445179	3486664.94110706	2927.3453580505	2785.7025983869	2759.211073123633	2756.711571777812	28.49708616055946	28.595206190772
590	313	241470	17798.85867303351	998317.3170250766	39.61666951869655	-100.7363308	35059.9494721942	3486652.92001005	2927.107514008795	2785.6888571472996	2758.346978369525	2754.329593544054	30.24159310347113	30.24159310347113
591	313	241471	18498.85867303351	998317.3170250766	39.616667655034	-100.7338265	351160.878561577	3486642.923961224	2901.78807106124	2785.672395212324	2757.460202545607	2757.460202545607	32.31717869336207	32.31717869336207
592	313	241472	19118.85867303351	998317.3170250766	39.6166659890231	-100.7316212	351161.353696153	3486644.89047359	2925.205057360139	2785.65899215171	2756.57526894489	2754.944115570387	30.938272508173	30.938272508173
593	313	241473	19778.85867303351	998317.3170250766	39.61666550622796	-100.7292798	35162.8404	3486640.860704392	2907.611339705445	2785.6483323148666	2756.704842679064	2754.833637	29.943305580274	29.943305580274
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596	313	241476	21758.85867303351	998317.3170250766	39.6166613895966	-100.7222559	35165.7846274925	3486628.803	2925.27512839924	2785.633323205965	2752.2801475970455	2748.281168808464	33.357182235101	34.66051401213235
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601	313	241481	25058.85867303351	998317.3170250766	39.6166533465514	-100.7105493	353170.6888388967	3486608.71072143	2900.56048243315	2785.6709324694275	2742.211013663599	2742.211013663599	43.4696758346653	45.23059169002181
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617	313	241497	35618.85867303351	998317.3170250766	39.61662007498935	-100.6730862	356386.3867301594	3486604.45382137	2888.692684200413	2776.94192624883	2714.1696719537436	2713.182895	74.9345210250067	77.87189754078526
618	313	241498	36278.85867303351	998317.3170250766	39.6166179136933	-100.6707498	356587.338516259	3486603.45382137	2888.692684200413	2776.94192624883	2714.1696719537436	2713.182895	74.9345210250067	77.87189754078526
619	313	241499	36938.85867303351	998317.3170250766	39.61661514228884	-100.6684056	356788.3141	3486603.45382137	2888.692684200413	2776.94192624883	2714.1696719537436	2713.182895	74.9345210250067	77.87189754078526
620	313	241500	37598.85867303351	998317.3170250766	39.61661257080161	-100.6660463	356989.2920120094	3486603.45382137	2888.692684200413	2776.94192624883	2714.1696719537436	2713.182895	74.9345210250067	77.87189754078526
621	313	241501	38258.85867303351	998317.3170250766	39.616609971443026	-100.663723	357190.270569475	3486603.38292051	2847.38478026046	2787.570653888915	2707.624270452873	2704.045176176875	75.9807943601174	78.52304621201694
622	313	241502	38918.85867303351	998317.3170250766	39.61660733	-100.6613817	357391.24820041575	3486603.38292051	2846.811740598285	2786.50448795959	2705.5023495279515	2705.260824867019	75.9807943601174	78.52304621201694
623	313	241503	39578.85867303351	998317.3170250766	39.61660493703184	-100.6590044	357592.22694283	3486602.31868818	2846.811740598285	2786.50448795959	2705.5023495279515	2705.260824867019	75.9807943601174	78.52304621201694
624	313	241504	40238.85867303351	998317.3170250766	39.61660251917924	-100.6566911	357793.77031	3486601.35991614	2846.811740598285	2786.50448795959	2705.5023495279515	2705.260824867019	75.9807943601174	78.52304621201694
625	313	241505	40898.85867303351	998317.3170250766	39.6166001291919	-100.654338	357994.2570612	3486601.35991614	2846.811740598285	2786.50448795959	2705.5023495279515	2705.260824867019	75.9807943601174	78.52304621201694
626	313	241506	41558.85867303351	998317.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREVIeLogKrg.f	BREVIeBothKrg.f	SatThoLog.f	SatThBoth.f
708	3121589	96338.85867307335	99831.3170250766	99831.3170250766	36.1620410276386	-100.4576883	4748.75,79993995454	43861.7678050973	2701.749602825996	2164.1002449100624	2552.050049116732	2552.2044735789836	62.05190593330204	61.8917713103787
710	3121590	96988.85867307335	99831.3170250766	99831.3170250766	36.16197477846264	-100.455345	375076.76629107894	43861.721085	2703.278310427008	2612.410607679358	2550.680216240207	2550.8381625060915	61.5730662171096	61.57244517
711	3121591	97638.85867307335	99831.3170250766	99831.3170250766	36.1619674698125	-100.453008	375277.7328791874	43861.68.091199979	2704.106287635044	2610.80482949785	2550.346412304367	2550.448811554286	60.9389375	60.93893863663
712	3121592	98318.85867307335	99831.3170250766	99831.3170250766	36.16184040231496	-100.450645	375478.6986345744	43861.64.008	2704.229763205456	2609.26903473398	2551.077146684707	2551.244566960481	58.21029276	58.0433045282681
713	3121593	98978.85867307335	99831.3170250766	99831.3170250766	36.1617733171033	-100.4483232	375679.6646311208	43861.60.10479995	2714.384384709256	2607.841618595927	2553.560283668487	2553.720230599972	54.28154275911402	54.08959443599058
714	3121594	99638.85867307335	99831.3170250766	99831.3170250766	36.1617052587066	-100.4459819	375880.63050737453	43861.56.11902003	2744.479232350392	2606.46138617138	2558.200300722393	2558.583624721316	48.87757144821316	48.77577144821316
715	3121595	100298.85867307335	99831.3170250766	99831.3170250766	36.1616374800551	-100.4436406	376081.5962654223	43861.52.11920473	2731.394384709256	2605.1387034070598	2564.601434705978	2565.18657489194	43.52726902450325	43.95254891243346
716	3121596	100958.85867307335	99831.3170250766	99831.3170250766	36.1615677849645	-100.4412993	376282.56250053754	43861.48.12880888	2735.099954870256	2603.864082090835	2571.599943	2572.212580103696	32.46413881167491	31.651100158049389
717	3121597	101618.85867307335	99831.3170250766	99831.3170250766	36.1614968695334	-100.438689	376483.5275293487	43861.44.13456948	2738.805525044938	2602.83817764063	2578.959418989034	2579.6938266591	23.63882794112586	22.86973860472258
718	3121598	102278.85867307335	99831.3170250766	99831.3170250766	36.161425050377	-100.436518	376684.450232068	43861.40.14203946	2742.511055212793	2601.4187211246652	2588.89051693760	2589.746313472814	14.5277518705212	13.67158651791101
719	3121599	102938.85867307335	99831.3170250766	99831.3170250766	36.1613588117774	-100.4342755	376885.4852195978	43861.36.1390261	2741.819464228021	2600.200335817247	2593.598696453165	2594.303836721414	6.527333650271	5.48200034523568
720	3121600	103598.85867307335	99831.3170250766	99831.3170250766	36.1612874096937	-100.4319342	377086.4233897138	43861.32.15928616	2738.730633290662	2599.052081579615	2593.454705966104	2594.541544843628	5.957592924882	4.510673673152527
721	3121601	104258.85867307335	99831.3170250766	99831.3170250766	36.161261853655	-100.4295929	377287.3884428594	43861.28.17659169	2731.641801330364	2597.869650342687	2585.37961625687	2589.303836634287	1.24990347089856	1.1519666478844287
722	3121602	104918.85867307335	99831.3170250766	99831.3170250766	36.161145805334	-100.4272516	377488.3325104374	43861.24.17648991	2725.562970615945	2596.636802436343	2575.35413946232	2575.35413946232	21.30975280612383	21.20835638328238
723	3121603	105658.85867307335	99831.3170250766	99831.3170250766	36.1610273703976	-100.4249103	377689.3181990634	43861.20.18699018	2723.459100104924	2595.407628182952	2595.592546220108	2595.1991218664425	30.24713841794108	30.24713841794108
724	3121604	106238.85867307335	99831.3170250766	99831.3170250766	36.16090997705806	-100.422591	377890.2629025347	43861.16.19531132	2722.463382352525	2594.0702813084204	2597.504111090615	2596.80128572673	38.57313098905334	38.57313098905334
725	3121605	106898.85867307335	99831.3170250766	99831.3170250766	36.16080676241495	-100.4202278	378091.247	43861.12.20489428	2721.33285405802	2592.885700861483	2594.7730018916184	2594.4312178677182	37.81299115450856	38.274282974307
726	3121606	107558.85867307335	99831.3170250766	99831.3170250766	36.1606853721684	-100.4178965	378292.212	43861.08.2136897	2720.403177665095	2591.748575627054	2593.77426913205	2593.7946187745747	37.4753093538497	37.4753093538497
727	3121607	108218.85867307335	99831.3170250766	99831.3170250766	36.16057793861884	-100.4155452	378493.176316839	43861.04.2349333	2719.960025931298	2589.779697070196	2592.8774341663193	2593.097708860743	36.260220406032	36.6819821004535
728	3121608	108878.85867307335	99831.3170250766	99831.3170250766	36.16047049	-100.4132039	378694.1405569996	43861.00.235	2713.941841240006	2588.2470059712	2591.023484268355	2591.155170338202	36.3035749177225	37.161313597014
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730	3121610	110158.85867307335	99831.3170250766	99831.3170250766	36.160354105919	-100.4085214	379096.068914616	4386092.25569324	2706.9145345249	2585.241723169156	2593.071359717415	2594.103364413763	30.7306254174164	30.116517267280256
731	3121611	110818.85867307335	99831.3170250766	99831.3170250766	36.160264989225	-100.4061801	379307.2504892202	4386086.33881846	2705.8122338193	2584.1812238193	2592.428011727416	2593.438812781632	46.065282712963	46.065282712963
732	3121612	111518.85867307335	99831.3170250766	99831.3170250766	36.160240263529	-100.403388	379497.96536277	4386084.27962323	2698.446439	2582.1230283325	2591.1008062339	2591.329781168173	41.0220076	40.7985297565882
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734	3121614	112838.85867307335	99831.3170250766	99831.3170250766	36.1602491068906	-100.3991563	379899.9235830726	4386076.300841178	2686.33196204713	2578.96294282886	2534.7503658551586	2534.094340653397	44.2125991277922	44.52448432498813
735	3121615	113488.85867307335	99831.3170250766	99831.3170250766	36.16017155012244	-100.396815	380100.8870203425	4386070.13261291	2680.193604077452	2577.362513225615	2531.552170707654	2531.552170707654	46.2651864703643	46.2651864703643
736	3121616	114188.85867307335	99831.3170250766	99831.3170250766	36.1600935410503	-100.3944737	380301.8503453108	4386064.34404885	2762.96420771443	2575.71160531312	2528.532605485192	2527.974909917817	47.2185006794011	47.2185006794011
737	3121617	114868.85867307335	99831.3170250766	99831.3170250766	36.1600157967871	-100.3921325	380502.8136511987	4386058.34881846	2765.9640774728335	2574.1812238193	2528.75349685511	2528.75349685511	48.3457154784068	48.3457154784068
738	3121618	115478.85867307335	99831.3170250766	99831.3170250766	36.1600157967871	-100.3921325	380502.8136511987	4386058.34881846	2765.9640774728335	2574.1812238193	2528.75349685511	2528.75349685511	48.3457154784068	48.3457154784068
739	3121619	116138.85867307335	99831.3170250766	99831.3170250766	36.15995860002346	-100.3874499	380904.7396320854	4386056.36109952	2652.71889763855	2570.851171383908	2523.055274667604	2521.973066769114	47.9569641624715	48.87811471816526
740	3121620	116788.85867307335	99831.3170250766	99831.3170250766	36.15977768174525	-100.3851086	381105.7025	4386052.37478477	2648.356286876554	2569.194224826525	2522.32317929053	2522.32317929053	48.87811471816526	48.87811471816526
1	3121621	-370941.1413	99877.3170250766	99877.3170250766	36.1135525612023	-102.1152873	323553.6871271545	4389261.114292675	3699.95056929851	3601.4496488059217	3531.913673612743	3531.913673612743	66.339757999095	66.339757999095
2	3121622	-370281.1413	99877.3170250766	99877.3170250766	36.113065312634	-102.1129463	323754.7891794321	4389256.59528352	3701.243009321515	3599.9187779470408	3529.291122436343	3529.291122436343	70.0075551	70.0075551
3	3121623	-369621.1413	99877.3170250766	99877.3170250766	36.114060491355	-102.110854	323955.89096969505	4389252.806791433	3698.15371	3597.73591561181	3532.57648487963	3532.57648487963	66.1594316238179	66.1594316238179
4	3121624	-368961.1413	99877.3170250766	99877.3170250766	36.11412311442458	-102.108245	323156.2904892202	4389248.65428197	3698.685184218074	3595.88194218074	3530.81454155303	3530.81454155303	58.773996539211	58.773996539211
5	3121625	-368301.1413	99877.3170250766	99877.3170250766	36.1145657	-102.1059238	323463.9787490434	4389248.65428197	3698.685184218074	3595.88194218074	3530.81454155303	3530.81454155303	64.8365628	64.8365628
6	3121626	-367641.1413	99877.3170250766	99877.3170250766	36.1146178986116	-102.1035827	323559.147405508	4389240.349450125	3675.751339584962	3592.180784236685	3530.272962133593	3530.272962133593	61.9072221032591	61.9072221032591
7	3121627	-366981.1413	99877.3170250766	99877.3170250766	36.11505987221	-102.1012417	323760.2954073976	4389236.198117631	3682.3040839491715	3528.187682769513	3529.31842833757	3529.31842833757	61.1627006795814	61.1627006795814
8	3121628	-366321.1413	99877.3170250766	99877.3170250766	36.115320556407	-102.098908	323961.3956382857	4389232.04651711	3645.34283604407	3586.490292512577	3527.964524812915	3527.964524812915	60.6252769966208	60.6252769966208
9	3121629	-365661.1413	99877.3170250766	99877.3170250766	36.1155716603674	-102.096599	324162.4961385773	4389236.59528352	3627.558192480663	3587.972432476814	3527.169603124558	3527.169603124558	59.4779274959109	59.4779274959109
10	3121630	-365001.1413	99877.3170250766	99877.3170250766	36.115822201395	-102.094218	324353.59607746376	4389232.443999173	3697.73549917233	3584.8051983408				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogs.ft	BRElevBothKrg.ft	SatHLogs.ft	SatHBoth.ft
95	314	23175	-308901.1413	99897.3170250766	36.91354491653702	-101.8952342	251456.1507191416	4388871.726875503	370.7148352641034	356.7525995306655	3399.6420157470866	3399.719671737265	63.113283784898	63.0356273393059
96	314	23176	-308241.1413	99897.3170250766	36.91356606276274	-101.8528832	251467.2285250528	4388867.596279199	370.961886275927	361.2022520820183	3395.2426970409397	3395.426590424995	66.059505483245	66.15959518685395
97	314	23177	-308681.1413	99897.3170250766	36.91358716376536	-101.890521	251568.3069572282	4388873.686029968	370.8489118987168	345.8497483061454	3393.1504186301708	3393.911881314575	66.690325044393	67.7589268803699
98	314	23178	-308062.1413	99897.3170250766	36.91360821954482	-101.882211	251059.3831512588	4388859.332697797	370.515980357451	345.87065265018	3391.1890231439392	3391.51513634995	67.381374906257	66.855390002289
99	314	23179	-306261.1413	99897.3170250766	36.91362923010103	-101.88587	252260.46065062738	4388855.202	370.5138315532084	345.68192575757026	3390.311346730816	3398.700341177287	66.5799108448865	67.19001639841554
100	314	23180	-305601.1413	99897.3170250766	36.913650195434005	-101.8835289	252461.5380330597	4388851.071046279	370.5115352548928	345.591753087303	3388.625872824442	3387.6494864588135	67.74288084891677	68.74758848949167
101	314	23181	-304941.1413	99897.3170250766	36.91367111554371	-101.8811878	252662.6148654594	4388846.40560568	370.0259595170666	345.884025028337	3387.12766565568	3386.048241240941	66.76675846	67.84540360739629
102	314	23182	-304281.1413	99897.3170250766	36.91369199043004	-101.8788468	252863.6194534245	4388842.810301593	370.069781597714	345.2707968791305	3385.842221436337	3384.4611097	66.5367580423766	67.61498258419051
103	314	23183	-303621.1413	99897.3170250766	36.9137126295968	-101.8765057	253064.7679791681	4388836.680299968	370.039027109889	345.08464383454	3384.517571	3383.0371662759	66.29888924	67.6189268159313
104	314	23184	-302961.1413	99897.3170250766	36.91373360543257	-101.874164	253265.9438993677	4388834.505463677	370.0291565316407	344.9030751936173	3383.391440090955	3381.183792456024	65.91463429266241	68.1228275891487
105	314	23185	-302301.1413	99897.3170250766	36.91375434374885	-101.8718238	253466.91975281126	4388834.02084738	370.0515652331671	344.776622145681	3382.134279945943	3379.392304754671	65.621462178368	68.3643141700797
106	314	23186	-301641.1413	99897.3170250766	36.91377503774126	-101.8694825	253667.995361229	4388826.215234474	370.0162834070003	344.6207203930297	3380.826295972596	3374.779490347714	65.37740641773416	68.45579292292931
107	314	23187	-300981.1413	99897.3170250766	36.9137956851033	-101.8671414	253869.0703403563	4388822.16406872	369.8477217277027	344.6499416111026	3379.5336613312123	3376.162918241935	65.1172982997425	68.4871219191009
108	314	23188	-300321.1413	99897.3170250766	36.91381629	-101.8648004	254070.1458957568	4388818.103307923	369.492751634646	344.09743	3378.183103742157	3374.798253948213	64.91432622106277	68.29917601500665
109	314	23189	-299661.1413	99897.3170250766	36.91383684837767	-101.8624593	254271.202424952	4388813.90435626	369.5900790494864	344.035827571075	3376.913863800191	3374.782328967446	64.6393627261654	67.6174985596136
110	314	23190	-299001.1413	99897.3170250766	36.913857361475084	-101.8601182	254472.29538244483	4388809.70399971	369.2547223056233	344.013436246616	3375.645700249419	3372.725543297714	64.36773607242265	67.2808030389023
111	314	23191	-298341.1413	99897.3170250766	36.913877829350415	-101.8577771	254673.3897786208	4388805.648	369.058720301777	343.847480928968	3374.3796548754543	3368.773988655984	64.11762521745268	68.72349143886807
112	314	23192	-297681.1413	99897.3170250766	36.9138985200121	-101.855436	254874.44330434044	4388801.25178558	368.653819581475	343.07150908326214	3373.1207450966527	3368.465319456581	63.894354762646	68.52874677925047
113	314	23193	-297021.1413	99897.3170250766	36.91391862941222	-101.853095	255075.517847698	4388797.3924217845	368.67203651117	343.583586781043	3373.1991116194181	3365.5379089032363	63.692595989192376	70.04576692760202
114	314	23194	-296361.1413	99897.3170250766	36.91393896138444	-101.8507359	255276.951859197	4388793.264873627	368.4786853114086	344.2231134581434	3370.9680713200515	3363.741592198071	63.230740138091965	70.48152126007244
115	314	23195	-295701.1413	99897.3170250766	36.91395924861079	-101.8484128	255477.664479386	4388789.137610711	368.318199351062	343.947972980202	3369.5394211956303	3361.529485045312	63.41358012571734	71.4203158028995
116	314	23196	-295041.1413	99897.3170250766	36.91397949036525	-101.8460717	255678.7381354572	4388783.01451175	368.1900790494864	344.035827571075	3368.2321404962965	3362.534967832276	63.53614096726733	72.2483696324282
117	314	23197	-294381.1413	99897.3170250766	36.91400969786768	-101.8436961	255883.73181181569	4388776.319384584	368.0525975450955	344.013436246616	3367.913863800191	3374.547785382523	63.64773607242265	71.9134614526666
118	314	23198	-293721.1413	99897.3170250766	36.9140198321535	-101.8413895	256080.8383857084	4388776.756909165	367.97505463749	342.926214386278	3365.1744823045327	3359.953472285864	63.4477208157002	69.6246015170537
119	314	23199	-293061.1413	99897.3170250766	36.914039844298895	-101.8390484	256281.9563052558	4388776.3670347125	367.8343041479045	342.82162395384504	3363.390604196967	3359.152394845598	65.22233116134066	69.4654051270949
120	314	23190	-292401.1413	99897.3170250766	36.9140600515838	-101.8367073	256483.028544234	4388768.503490576	367.8775654427563	342.6720922181303	3361.620646428995	3356.3996060466243	66.0024579	71.22349137150064
121	314	23191	-291741.1413	99897.3170250766	36.91408002079378	-101.8343663	256684.10055471065	4388764.37842001	367.731940746567	342.6034256618178	3359.495469112017	3353.337311553383	64.7144875	73.0301410834476
122	314	23192	-291081.1413	99897.3170250766	36.914099991205045	-101.8320252	256885.17230099138	4388760.23	367.7610584399	342.5666020133197	3357.151897389157	3355.25545014967	66.80412274	75.40047427352034
123	314	23193	-290421.1413	99897.3170250766	36.91411991638926	-101.8296814	257086.2480676705	4388757.12715508	367.78694697975097	342.5189437507914	3356.4797250020818	3354.54543262275	67.189773135752	76.7886250849528
124	314	23194	-289761.1413	99897.3170250766	36.9141397633613	-101.827338	257278.3195136338	4388752.01042074	367.723819343949	342.539079793499	3355.2855401066345	3354.7793085102021	67.0737998731457	78.0737998731457
125	314	23195	-289101.1413	99897.3170250766	36.91415963100375	-101.825019	257488.3808863964	4388747.87695175	367.6405219480328	342.22472005937	3350.212993	3344.321227054367	67.27273564763	78.3214920506613
126	314	23196	-288441.1413	99897.3170250766	36.91417942060184	-101.8226068	257689.4568718885	4388743.75207995	367.588743506387078	342.161210319278	3347.806210683636	3345.580993564182	67.06771021296107	79.009963564182
127	314	23197	-287781.1413	99897.3170250766	36.91419916489823	-101.8203197	257890.52471613655	4388738.62740831	367.52773876862	342.057782864299	3345.849664488023	3343.2039772702895	67.748278138	77.37309514391973
128	314	23198	-287121.1413	99897.3170250766	36.91421886396396	-101.8179786	258091.5977123117	4388735.01313597	366.84938414330127	341.919261329489	3343.848641723145	3341.919261329489	67.157157175371	77.60730516
129	314	23199	-286461.1413	99897.3170250766	36.914238517805305	-101.8156375	258292.6677035132	4388731.378972574	366.8599679809999	341.8611871814723	3341.769148444938	3340.672360672977	67.6920378	77.7886250849528
130	314	23190	-285801.1413	99897.3170250766	36.91425813	-101.8132968	258493.7316125723	4388727.25505405	366.825075450955	341.781249812014	3340.82162395384504	3340.96968982507	67.48773607242265	78.0737998731457
131	314	23191	-285141.1413	99897.3170250766	36.9142778988146	-101.8109553	258694.8072651071	4388723.31370547	366.8057039055817	341.682912819797	3337.4895024941585	3337.678989383854	70.0012706505646	78.0737998731457
132	314	23192	-284481.1413	99897.3170250766	36.91429207796258	-101.8086142	258895.8765548042	4388719.008	365.835307170588	341.516716540878	3335.616515	3337.3714621115103	70.5959507666781	77.8047023952773
133	314	23193	-283821.1413	99897.3170250766	36.91431668092168	-101.8062731	259096.94566841255	4388714.884674268	365.6419117235984	341.4050577037404	3333.736990486789	3334.58268995412	71.6095717451902	79.009963564182
134	314	23194	-283161.1413	99897.3170250766	36.91433610864475	-101.8039319	259298.014453142	4388710.76166829	365.6451947300061	341.21072661985656	3331.941113577623	3331.941113577623	71.7270981	79.009963564182
135	314	23195	-282501.1413	99897.3170250766	36.91435549133898	-101.8015908	259499.083180905	4388706.3883953	365.6297236470367	341.1747064966505	3330.25864693129	3330.25864693129	71.81930578412632	79.009963564182
136	314	23196	-281841.1413	99897.3170250766	36.914374528408045	-101.7992497	259700.15158104835	4388702.51623827	365.61856186591	341.057240134337	3328.71762308114	3328.71762308114	71.952511752657	74.4530509266919
137	314	23197	-281181.1413	99897.3170250766	36.9143937633613	-101.796974	259903.7316125723	4388698.424398424	365.607319343949	340.926214386278	3327.913863800191	3327.913863800191	72.2483696324282	75.40047427352034
138	314	23198	-280521.1413	99897.3170250766	36.91441337773485	-101.7945725	260102.2876973416	4388694.271169063	365.5957039055817	340.820130325057	3326.5412978676313	3326.5412978676313	72.9237458770618	76.7886250849528
139	314	23199	-279861.1413	99897.3170250766	36.91443256886884	-101.7922264	260303.3553877422	4						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatHtLogKgr.ft	SatHtBothKgr.ft
211	314	21841	-225741.1413	198977.3170250766	36.615858319646146	-11.600251	27670.91769366015	4388352.926	3457.1157303222863	334.3050530872236	3199.2720630572844	1939.6122581272657	135.03344002995163	140.69324495997034
222	314	21842	-225081.1413	198977.3170250766	36.61586864242035	-11.597308	27691.16862969519	4388348.222891605	3457.08761	332.8998923942515	3197.2268911710677	1937.5948581812033	136.70040021245374	138.70440047949012
223	314	21843	-224621.1413	198977.3170250766	36.6158804496871635	-11.591823	27719.21671767777	4388340.20080989	3457.17465965141164	332.884310949228	3196.4315212958333	1934.6317199891917	136.05286828771	138.65283680353643
224	314	21844	-223761.1413	198977.3170250766	36.61589944203516	-11.583224	27793.26455731376	4388340.617352009	3458.3049653301104	330.0066767302374	3194.3409651467396	1934.95271583497	135.710981583497	135.7109802522176
225	314	21845	-223101.1413	198977.3170250766	36.61591471637142	-11.5808862	277594.315707848	4388336.514820892	3460.22292403703	3328.63064018548	3191.186922730176	1936.04834389405	137.44101831537182	136.7046762914298
226	314	21846	-222441.1413	198977.3170250766	36.61592996327982	-11.588545	27795.3614473869	4388340.417215551	3457.157604770295	3327.1959736283584	3188.972376926873	1936.143797	132.2359670148535	131.05261734708854
227	314	21847	-221781.1413	198977.3170250766	36.61594502496054	-11.5862038	27796.40941	4388328.317035984	3459.279979898513	3325.7599279898513	3186.4087108890044	1936.1793990651527	139.3512171008568	129.58601893278604
228	314	21848	-221121.1413	198977.3170250766	36.61596036411354	-11.583826	27819.4565441696	4388324.208982177	3458.16256271008	3324.762327177519	3183.8545311928583	1936.440749891593	147.04170598466073	127.8854829629605
229	314	21849	-220461.1413	198977.3170250766	36.6159757512636784	-11.581823	27836.5037605813	4388320.107454227	3457.1220147499228	3322.886565411164	3181.1767171893964	1935.89968223212	141.7893834147194	126.78986283986438
230	314	21850	-219801.1413	198977.3170250766	36.6159905386324	-11.5791801	27859.5097562517	4388316.06	3455.08105232996	3321.482199724954	3178.178071135646	1934.82123256784	143.98325589308	127.57396377109
231	314	21851	-219141.1413	198977.3170250766	36.6160053940591	-11.5768389	27880.5975546213	4388311.905072527	3451.421280546992	3320.083371050424	3175.10163336145	1934.16753053182	144.08170374009432	126.9157026986747
232	314	21852	-218481.1413	198977.3170250766	36.616020634977116	-11.5744977	27900.641423565	4388307.40422422	3446.1413479162293	3318.7082397963454	3171.539319060294	1937.32408	147.1689270360514	131.384159675565
233	314	21853	-217821.1413	198977.3170250766	36.61603558256169	-11.5721565	27902.690472684	4388303.80999234	3440.86134259227295	3317.3621795227295	3167.414289210342	1938.17459881304	149.9478506294133	130.1876461746257
234	314	21854	-217161.1413	198977.3170250766	36.61605049034774	-11.5698153	27904.736605379	4388296.30199225	3435.581482569734	3316.40682671153	3161.9309521680092	1938.2814056626726	157.1517369090257	147.7612606444275
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237	314	21857	-215181.1413	198977.3170250766	36.61609494323822	-11.5627196	28006.8730738047	4388287.303595965	3431.520858912467	3312.245118316248	3152.42489442598	1935.861245036764	159.820223376166	160.3838732796393
238	314	21858	-214521.1413	198977.3170250766	36.61610965841242	-11.5604504	28027.918700922	4388283.20359363	3430.952594791007	3311.006806584557	3155.178498342901	1935.442676730985	155.8283062425546	156.5612988146267
239	314	21859	-213861.1413	198977.3170250766	36.61612437335885	-11.5581092	280408.964	4388279.105	3428.467289010383	3309.742996444855	3157.779228894321	1936.8165682783	151.995070501645	152.87578286170262
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245	314	21865	-209901.1413	198977.3170250766	36.61621146125223	-11.5440618	281615.229892355	4388254.51899966	3402.434683171307	3302.182273034899	3158.30555814262	1937.7897267153	143.8767132296716	144.3030875674628
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253	314	21873	-204621.1413	198977.3170250766	36.6163250365188	-11.5253319	283223.5723273427	4388221.734854364	3423.364565167087	3289.387126151938	3154.172860446084	1936.5543997150287	135.285621691074	134.83879511260693
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260	314	21880	-200001.1413	198977.3170250766	36.6164221475082	-11.5089432	284630.86059809	4388193.10210528	3446.714645235258	3276.1146452317885	3143.712942715843	1936.4710251594554	132.717498061518	132.717498061518
261	314	21881	-199341.1413	198977.3170250766	36.61643581345052	-11.506602	284831.9009442183	4388188.9777077	3448.662095053642	3274.191211	3142.05485855566	1936.4710251594554	132.717498061518	132.717498061518
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263	314	21883	-198021.1413	198977.3170250766	36.6164630271468	-11.5018302	285249.619272463	4388180.79042021	3446.914051025933	3270.81714059123	3140.3790427093	1936.4710251594554	132.717498061518	132.717498061518
264	314	21884	-197361.1413	198977.3170250766	36.61647661182534	-11.4995783	285453.02071475046	4388176.6611367	3445.104910565955	3268.48229232162	3137.3996627138974	1936.358425325667	135.93656659914	130.962585505408
265	314	21885	-196701.1413	198977.3170250766	36.6164901483236	-11.497237	2856							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatHtLogKgr.ft	SatHtBothKgr.ft
337	314	231967	-142581.1413	198977.3172050766	36.617443445715566	-101.305252	302120.6017271264	3787837.709989672	3269.463267890104	314.446988461237365	3037.9216843380584	3035.139398803733	106.7771671666781	109.5594723000353
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349	314	231969	-141261.1413	198977.3172050766	36.617463263626045	-101.300815	30222.646976161297	3787837.50777094	3291.48490929315	314.1792162076607	3038.330014274949	3039.830678941963	106.5451374829194	111.9483737867977
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351	314	231971	-139941.1413	198977.3172050766	36.617482170087555	-101.258868	302924.6914506285	3787821.41364764	3130.933270504866	313.87191681124366	3033.234260507078	302.11766724014	106.6796076542863	114.7943003832474
352	314	231972	-139281.1413	198977.3172050766	36.61749173810389	-101.293545	303125.7133989474	3787817.34663263	3136.7835	313.4974904533196	3033.94002904655	302.101739717045	105.5574875486644	116.3575761675119
353	314	231973	-138621.1413	198977.3172050766	36.61750126088951	-101.2912042	303326.7351541973	3787815.26509651	3222.63072485134	313.0649002715264	3030.716863529276	301.0806300375513	105.37855651855034	118.0891703397507
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355	314	231975	-137301.1413	198977.3172050766	36.617520017	-101.286515	303728.76988436	3787805.118534478	3338.4157175985527	313.331646653476	3028.665163830427	302.10459756725453	104.7102769398887	127.85575258188061
356	314	231976	-136541.1413	198977.3172050766	36.61752957862014	-101.284180	303529.7892666209	3787801.048	3324.3228924578	313.3225404964943	3027.547414853044	304.3851260535598	124.55117714134451	
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361	314	231981	-133341.1413	198977.3172050766	36.61757591486701	-101.2724736	304834.9022852516	3787780.68438717	3316.3625444482419	312.565444482419	3022.708199858174	299.031510749728	102.9323457144499	134.7424304989102
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365	314	231985	-130701.1413	198977.3172050766	36.6176120631553	-101.2631084	305337.9813	3787764.394342394	3305.81032445444	311.916221395666	3022.122971089643	299.0930578558966	97.3491242867015	126.5184553967961
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368	314	231988	-128721.1413	198977.3172050766	36.61763967497716	-101.256044	306342.0360222024	3787752.1889352	3296.395695815275	311.569776357634	3024.705483	300.316018042888	90.864293674256	112.40958131474574
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388	314	232008	-115521.1413	198977.3172050766	36.617806062959686	-101.2092578	310362.378945489	3787670.83793006	3265.2962967713	309.6821680679683	2996.846113926574	297.60805051252	94.01656410513093	113.254118067315
389	314	232009	-114861.1413	198977.3172050766	36.61781606717241	-101.2070321	310583.6309169878	3787665.22827714	3268.69249869677	309.65198571910487	2998.198514697128	297.60805051252	94.01656410513093	113.254118067315
390	314	232010	-114201.1413	198977.3172050766	36.617821806615474	-101.204572	310746.4068203274	3787662.099263065	3261.726718857243	308.8614212723474	2993.682261440025	297.60805051252	94.01656410513093	113.254118067315
391	314	232011	-113541.1413	198977.3172050766	36.61782961062177	-101.2022338	310965.4212050445	3787658.63433733	3260.5367687753314	308.75378373778	2997.162014609512	297.60805051252		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
473	474	232093	-59421.14133	99897.7170250766	39.61831561559885	-101.010243	327448.0079114432	337423.063203336	3014.043909176078	2796.4930451821434	2896.6228495993378	2996.2947914725924	70.9701955837566	80.1982570982107
474	474	232094	-56761.14133	99897.7170250766	39.61831966535934	-101.007916	327498.0076707397	337422.016147129	3003.626045344771	2896.2590400077269	2896.5490000725687	2996.3440000725687	78.3953671393971	78.7013671252683
475	474	232095	-58101.14133	99897.7170250766	39.6183266986757	-101.005693	327500.0076149592	337421.9780514702	3015.398926686238	2897.2583832675	2895.847122014397	2895.847122014397	76.894323361158	76.894323361158
476	474	232096	-57441.14133	99897.7170250766	39.618327629183376	-101.0032189	327628.0010073	337423.050604033	2998.698483	2971.031658973243	2895.60611753072	2895.410402854987	75.42546681	75.6201782189437
477	474	232097	-56761.14133	99897.7170250766	39.618335142346924	-101.0008775	328252.0067419688	337389.878721419	2998.803730766886	2969.26419630749	2895.022305760695	2894.022305760695	74.2391133426943	74.73271481
478	474	232098	-56121.14133	99897.7170250766	39.61833541207817	-100.9985362	328453.0060317081	337385.067634217	2998.67634217	2969.26419630749	2894.641228	2894.641228	72.88133361158	73.08030327
479	474	232099	-55461.14133	99897.7170250766	39.6183392567706	-100.9961948	328654.0051149736	337380.78222616	3002.862281740057	2969.26419630749	2894.335801391618	2893.685204662167	71.471722601611	72.12548320966117
480	474	232100	-54801.14133	99897.7170250766	39.6183401	-100.993834	328855.0041156134	337379.74270958	3010.266942443554	2964.12175	2893.737437175118	2893.737437175118	70.3897373215027	71.0472379809493
481	474	232101	-54141.14133	99897.7170250766	39.61834677717782	-100.991521	329056.0029011667	337378.6598	3017.671611343103	2964.12175	2893.737437175118	2893.737437175118	69.26633361158	70.07836714523
482	474	232102	-53481.14133	99897.7170250766	39.6183504350766	-100.9891707	329257.001525102	337377.652548251	2964.12175	2893.737437175118	2893.737437175118	2893.737437175118	68.1548255765114	68.1548255765114
483	474	232103	-52821.14133	99897.7170250766	39.618354077749146	-100.9868293	329457.9998311129	337376.80710233	3024.14710303148	2959.20685794543	2891.836991020053	2890.386509512615	67.3669678284779	68.0203483151141
484	474	232104	-52161.14133	99897.7170250766	39.6183576518628	-100.984488	329658.99827539484	337375.56491533	3029.884752745927	2957.599096706084	2889.7782359872304	2889.42122354815	66.8205871876372	68.1699643806324
485	474	232105	-51501.14133	99897.7170250766	39.6183612279103	-100.9821466	329859.9964	337374.025496434	3030.622204046335	2956.002745370557	2889.423936612305	2888.249303802393	65.75304737466254	67.0321737466254
486	474	232106	-50841.14133	99897.7170250766	39.61836473436396	-100.9798052	33006.99436360714	337373.47672503	3031.395060874827	2954.15581125689	2887.751199886287	2886.56456610136	64.6638124	67.6470341555306
487	474	232107	-50181.14133	99897.7170250766	39.618368196103376	-100.9774639	330261.9921595496	337372.691772905	3036.7571275750284	2952.836130689898	2886.7173803902255	2884.95478613547	63.7285948876044	67.8813475044264
488	474	232108	-49521.14133	99897.7170250766	39.61837176126105	-100.9751225	330462.9898	337371.924684821	3046.81484648674	2951.263081642004	2884.062286777927	2882.8611598	62.66134139	68.3020094232018
489	474	232109	-48861.14133	99897.7170250766	39.61837498386135	-100.9727811	330663.9872581345	337371.36476284	3056.872661	2949.696455451795	2883.064533537259	2880.694556400237	61.63642101	69.00238013917124
490	474	232110	-48201.14133	99897.7170250766	39.6183783092889	-100.9704398	330864.9850643896	337370.736703	3066.930730569564	2948.135285916315	2881.438324249627	2878.062859221067	60.6624127	70.07246277143495
491	474	232111	-47541.14133	99897.7170250766	39.61838159073924	-100.9680894	331065.9816983596	337372.26122968	3074.279557332065	2947.5796819207	2879.704464801776	2875.020472302438	59.68702351187958	71.557498861908
492	474	232112	-46881.14133	99897.7170250766	39.61838483	-100.965757	331266.97872507	337371.458133	3074.925495373038	2945.02469571023	2877.960505204867	2876.107144120866	58.7061443685329	74.9175530601507
493	474	232113	-46221.14133	99897.7170250766	39.61838801666271	-100.9634157	331467.978422721	337370.71685539	3076.802844875449	2943.47269144577	2876.138472	2865.1803215993926	57.3797709273611	78.29603755057908
494	474	232114	-45561.14133	99897.7170250766	39.6183911677767	-100.9610743	331688.971286241	337370.14905478	3078.8802847349125	2941.3300353135552	2874.052402054236	2869.75473641407	56.8865100452862	73.1761939785831
495	474	232115	-44901.14133	99897.7170250766	39.6184043551278	-100.958251	331892.98027752	337369.437021764137	3082.745025849238	2939.814140473612	2871.68941030435	2869.30158149232	55.964214541922	76.5912524581214
496	474	232116	-44241.14133	99897.7170250766	39.61840731630459	-100.9563915	332070.9643115363	337368.71423511808	3086.174239545596	2938.843297656313	2873.767126204284	2868.61762364765	55.077146278284	70.2166631188479
497	474	232117	-43581.14133	99897.7170250766	39.61840932572031	-100.9540026	332271.9611	337367.01000389	3082.044321047354	2937.27995881904	2873.277904582716	2867.959761	54.000221918853	69.3201651204548
498	474	232118	-42921.14133	99897.7170250766	39.61840329	-100.9517088	332472.9571	337365.2948912557	3054.91445452512	2935.732898411935	2872.622681612587	2867.12129654289	53.126179932762	68.5517867598498
499	474	232119	-42261.14133	99897.7170250766	39.61840620885442	-100.9493674	332673.952125938	337364.02968031	3044.16642827964	2872.270885926137	2866.2043668304596	2861.9393243535054	52.9625059705459	67.9260559705459
500	474	232120	-41601.14133	99897.7170250766	39.618409062577715	-100.9470261	332874.9485812702	337362.78407613	3052.240469730076	2932.60745346019	2871.8054955974949	2865.144371448055	50.7979748056993	67.46330731196407
501	474	232121	-40941.14133	99897.7170250766	39.618412043551278	-100.945051	333075.9446971885	337361.548694861	3058.7245025849238	2931.346294474312	2871.345494	2864.9393243535054	49.7174338924323	73.1761939785831
502	474	232122	-40281.14133	99897.7170250766	39.61841469314173	-100.9423433	333276.80679489	337360.40679489	3067.8087679489	2929.408528515	2870.849542340954	2864.9393243535054	48.5347951841979	67.0512737765515
503	474	232123	-39621.14133	99897.7170250766	39.61841742333429	-100.9400019	333477.93471468036	337360.74628461	3051.848378355997	2927.910474169207	2870.50468728219	2860.76486253574	47.4064058878737	67.145616126
504	474	232124	-38961.14133	99897.7170250766	39.61842015122675	-100.9376066	333678.9297568954	337360.72707358	3044.01330502559	2926.334090531086	2869.9232264173	2859.512882862134	46.40626820469184	66.821704647241
505	474	232125	-38301.14133	99897.7170250766	39.6184227267859	-100.9353192	333879.9246	337360.68755383	3045.334845289196	2924.751651667093	2869.175071705337	2857.504989202397	45.5657996	67.466756646905
506	474	232126	-37641.14133	99897.7170250766	39.61842538	-100.9329778	334080.9192937036	337360.484255924	3040.851923464739	2923.163279136437	2867.96584528509	2855.54698448768	44.51978628134775	67.61721343
507	474	232127	-36981.14133	99897.7170250766	39.6184259205876	-100.9306364	334281.913312187	337360.189169971	3035.927695504731	2921.573857805751	2866.968095	2853.511448989686	43.59276327401245	68.05202091765463
508	474	232128	-36321.14133	99897.7170250766	39.61842861949686	-100.928251	334482.96027752	337359.437021764137	3032.745025849238	2919.814140473612	2871.68941030435	2869.30158149232	42.5964214541922	76.5912524581214
509	474	232129	-35661.14133	99897.7170250766	39.61843105077134	-100.9259337	334683.98024381074	337359.131698561	3029.884752745927	2918.3698723441654	2868.59400436981	2867.959761	41.52039121955429	70.07246277143495
510	474	232130	-35001.14133	99897.7170250766	39.6184353197048	-100.9236123	334884.8964794323	337358.7493290383	3027.9173965464024	2916.79022908083	2865.65331390505	2855.175332115592	40.37697720923161	61.6148997
511	474	232131	-34341.14133	99897.7170250766	39.61843771	-100.921271	335085.8093705059	337358.7493290383	3025.25925340886	2915.1909052647327	2862.601541059813	2855.02604944777	39.52894101049181	59.27038977025495
512	474	232132	-33681.14133	99897.7170250766	39.61844003905969	-100.9189296	335286.88105155555	337358.7493290383	3023.163279136437	2913.589178	2861.550044882266	2856.5793024597	38.5203121955429	67.0512737765515
513	474	232133	-33021.14133	99897.7170250766	39.61844232475536	-100.9165882	335487.87786356	337358.7493290383	3021.346294474312	2911.8496440382	2860.76486253574	2855.02604944777	37.52039121955429	70.07246277143495
514	474	232134	-32361.14133	99897.7170250766	39.6184456521895	-100.9142468	335688.871102027	337358.7493290383	3019.814140473612	2909.814140473612	2859.512882862134	2853.511448989686	36.59276327401245	68.05202091765463
515	474	232135	-31701.14133	99897.7170250766	39.61844896194686	-100.9119748	335889.87786356	337358.7493290383	3017.671611343103	2907.814140473612	2857.504989202397	2851.438324249627	35.410628	73.1761939785831
516	474	232136	-31041.14133	99897.7170250766	39.618451044737	-100.9095641	336088.954572712	337358.7493290383	3015.716726152879	2907.150444331655	2857.16726105355	2856.752804706594	34.4758317315298	50.36794153
517	474	232137	-30381.14133	99897.7170250766	39.61845101521294	-100.9072227	336291.8504	337358.7493290383	3013.589178	2905.929743222554	2856.88752036735	2856.743282	33.4758317315298	48.786406704

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRIEVLgtsKrg.f	BRIEVLbthKrg.f	SatThKgs.f	SatThBth.f
59	314	22319	23738.8586770335	199897.3170250766	-38.1848699398971	-00.71525298	35272.7504335656	4386817.969	2908.906604	W74.027065439143	2747.7991430438818	2732.574959519508	36.72920414	51.4971123848634
600	314	22320	24398.8586770335	199897.3170250766	-38.1848692656636	-00.7128885	35293.7300840395	4386813.95087037	2906.9187142146375	W74.027485475443	2745.4381941261104	2746.6782644878334	33.440052413369	53.1510365971807
601	314	22321	25038.8586770335	199897.3170250766	-38.1848693580822	-00.7108471	35374.71131167	4386819.928273392	2908.67846627752	W74.027606703034	2742.917077	2741.853293883354	34.0696337196256	54.0696337196256
602	314	22322	25722.8586770335	199897.3170250766	-38.184869507479	-00.7082057	35375.69133134565	4386801.914914255	2908.83415030912	W74.0306549537	2740.54740070757	2728.8887010496575	36.4602198439969	55.1940549309374
603	314	22323	26338.8586770335	199897.3170250766	-38.1848692863487	-00.7058643	35376.6713540086	4386801.897223136	2900.5502484833508	W74.029436614147	2738.010511	2727.76018903511	36.06883242676418	56.3188546268361
604	314	22324	27038.8586770335	199897.3170250766	-38.1848697936295	-00.703523	35377.6713525333	4386817.89279516	2903.0406934	W74.024242121261	2735.784038966371	2726.28344644472	37.78043154890026	57.78043154890026
605	314	22325	27698.8586770335	199897.3170250766	-38.18486913657635	-00.7011816	35397.68103122346	4386813.86298153	2903.556634776286	W74.036241864843	2733.324304327235	2725.03874559801	50.669934573760786	58.98487587983294
606	314	22326	28358.8586770335	199897.3170250766	-38.1848718272101	-00.6988402	35417.916103032056	4386789.850629239	2908.42302520898	W74.0379093205286	2731.311507423449	2723.181867705154	56.76582683274	60.1604602
607	314	22327	29038.8586770335	199897.3170250766	-38.1848691565001	-00.6964868	35430.59019799284	4386789.828821567	2908.42302520898	W74.0379093205286	2731.311507423449	2723.181867705154	54.72752865630564	61.35540696747486
608	314	22328	29678.8586770335	199897.3170250766	-38.18485320514734	-00.6941758	35461.591	4386781.71252525	2901.3453130427074	W74.0379093205286	2731.311507423449	2723.181867705154	56.64303304353056	62.4819715562778
609	314	22329	30338.8586770335	199897.3170250766	-38.184851148512115	-00.6918161	35492.582464292743	4386777.97525608	2898.03616789887	W74.0379093205286	2731.311507423449	2723.181867705154	58.686708641107	63.4888920273704
610	314	22330	30998.8586770335	199897.3170250766	-38.1848494664335	-00.6894747	35498.52277006009	4386773.79951305	2890.7607205370673	W74.0379093205286	2731.311507423449	2723.181867705154	59.82210233540464	64.265538685016
611	314	22331	31658.8586770335	199897.3170250766	-38.1848495844026	-00.6871333	35498.52277006009	4386773.79951305	2885.507386314992	W74.0379093205286	2731.311507423449	2723.181867705154	60.8429776871388	64.7322748143321
612	314	22332	32318.8586770335	199897.3170250766	-38.1844470721115	-00.684792	35535.854859373893	4386765.748175015	2880.2436030236623	W74.0379093205286	2731.311507423449	2723.181867705154	61.14772469574	64.6739015059438
613	314	22333	32978.8586770335	199897.3170250766	-38.1844246964574	-00.6824506	35586.4863091847	4386761.723884488	2874.979624364357	W74.0379093205286	2731.311507423449	2723.181867705154	61.14568525	63.9892001485373
614	314	22334	33638.8586770335	199897.3170250766	-38.1844011688477	-00.6801092	35578.7425374899	4386757.717640505	2869.715650410028	W74.0379093205286	2731.311507423449	2723.181867705154	62.5531941141063	65.0219491141063
615	314	22335	34298.8586770335	199897.3170250766	-38.1843785681728	-00.6777678	35588.42089959184	4386753.70268184	2864.501399114884	W74.0379093205286	2731.311507423449	2723.181867705154	63.093662200151408	66.07333474874096
616	314	22336	34958.8586770335	199897.3170250766	-38.1843458555428	-00.6754265	35618.991224875	4386748.687028005	2859.342276	W74.0379093205286	2731.311507423449	2723.181867705154	63.5918956232456	67.1272029283456
617	314	22337	35618.8586770335	199897.3170250766	-38.1843306705873	-00.6730851	35639.3770273652	4386745.83738128	2848.181351774692	W74.0379093205286	2731.311507423449	2723.181867705154	64.062318300943	67.5276801800349
618	314	22338	36278.8586770335	199897.3170250766	-38.184306033066	-00.6707437	35691.3551540914	4386741.650957917	2840.02247766014	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	68.5562061028726
619	314	22339	36938.8586770335	199897.3170250766	-38.1842800437095	-00.6684024	35692.332626775	4386737.64660243	2847.032334335454	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	69.54139654282703
620	314	22340	37698.8586770335	199897.3170250766	-38.184255417089	-00.666061	35693.330532514	4386733.6105892	2846.2163436757	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	70.5297744474696
621	314	22341	38358.8586770335	199897.3170250766	-38.1842308167541	-00.663712	35694.330532514	4386729.6105892	2845.2163436757	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	71.51028634168
622	314	22342	38918.8586770335	199897.3170250766	-38.184203	-00.661372	35735.2553635374	4386725.6105892	2850.5850293097	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	72.500292597251
623	314	22343	39578.8586770335	199897.3170250766	-38.1841761	-00.6590369	35796.2422270074	4386721.6907347	2852.413520313255	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	73.4888920273704
624	314	22344	40238.8586770335	199897.3170250766	-38.18414871079615	-00.6566955	35797.219464799	4386717.58069169	2854.886127703436	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	74.45232582096494
625	314	22345	40898.8586770335	199897.3170250766	-38.1841200724036	-00.6543541	35798.19680391393	4386713.565046913	2857.386952277047	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	75.42305427828476
626	314	22346	41558.8586770335	199897.3170250766	-38.1840925513598	-00.6520127	35819.173792685	4386709.52506729	2859.831268254317	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	76.42948755093163
627	314	22347	42218.8586770335	199897.3170250766	-38.184068741546	-00.6498714	35820.598192135	4386705.4918908	2859.831268254317	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	77.42948755093163
628	314	22348	42878.8586770335	199897.3170250766	-38.1840437802453	-00.64732	35861.1270762345	4386701.58093744	2859.831268254317	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	78.42948755093163
629	314	22349	43538.8586770335	199897.3170250766	-38.18400516977005	-00.6449888	35880.1035915894	4386697.515220235	2858.129645780533	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	79.42948755093163
630	314	22350	44198.8586770335	199897.3170250766	-38.1839751045758	-00.642473	35903.07914027	4386693.50465815	2849.954791581374	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	80.42948755093163
631	314	22351	44858.8586770335	199897.3170250766	-38.1839458177241	-00.6403059	35920.050638582	4386689.493	2843.98930917087	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	81.42948755093163
632	314	22352	45518.8586770335	199897.3170250766	-38.18391367172435	-00.6379645	35940.0531178426	4386684.81935051	2833.463039417897	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	82.42948755093163
633	314	22353	46178.8586770335	199897.3170250766	-38.1838821950508	-00.6356231	35960.08008710366	4386681.47085124	2832.527104744724	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	83.42948755093163
634	314	22354	46838.8586770335	199897.3170250766	-38.18385294705284	-00.6332818	35980.063817371	4386677.401191028	2831.5191240715504	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	84.42948755093163
635	314	22355	47498.8586770335	199897.3170250766	-38.18382378918226	-00.6309404	36007.95941106114	4386673.45962884	2827.294263200474	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	85.42948755093163
636	314	22356	48158.8586770335	199897.3170250766	-38.1837852146864	-00.628599	36020.8349063043	4386669.43933613	2804.630804147655	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	86.42948755093163
637	314	22357	48818.8586770335	199897.3170250766	-38.1837579138236	-00.6262577	36040.9102673065	4386658.42933434	2801.963700474415	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	87.42948755093163
638	314	22358	49478.8586770335	199897.3170250766	-38.1837183	-00.6239163	360610.845942766	4386661.41972133	2799.307486024548	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	88.42948755093163
639	314	22359	50138.8586770335	199897.3170250766	-38.1836816336516	-00.6215749	360811.8605847184	4386657.490972367	2798.101031028794	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	89.42948755093163
640	314	22360	50798.8586770335	199897.3170250766	-38.1836545794432	-00.6192306	36110.8354648793	4386650.400296757	2798.101031028794	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	90.42948755093163
641	314	22361	51458.8586770335	199897.3170250766	-38.1836279411282	-00.6168538	36141.7850503713	4386645.32110749	2788.4767313256	W74.0379093205286	2731.311507423449	2723.181867705154	64.5527191833677	91.42948755093163
642	314	22362	52118.8586770335	199897.3170250766	-38.1835930907347	-00.6145295	36161.75962841	4386641.37351227	2788.4767313256	W74.0379093205286	2731.311507423449	2723.1		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHdg1488.ft	SatHtBoth.ft
720	314	232345	10868.95867307335	99897.3170250766	36.61790563239619	-100.4202183	78905.2407190723	43863.31410746297	2723.918317713648	2592.071733034677	2553.437218324887	2553.1638523950097	38.6345147885608	38.9078801045803
726	314	232346	10875.85867307325	99897.3170250766	36.61789862360159	-100.417873	78726.2045647567	43863.3044045373	2724.25284367992	2590.63979225118	2552.8001741465993	2552.7603467889589	37.9367547851944	37.8363233555905
727	314	232347	10878.85867307335	99897.3170250766	36.61789089695426	-100.415534	787487.1698113217	43863.30543	2722.015177947958	2589.1483709273526	2551.948521938968	2552.145021938968	37.937168	37.038497334443694
728	314	232348	10878.85867307335	99897.3170250766	36.61788350531966	-100.411973	78668.1330874637	43863.30140415993	2721.205135	2587.7068249614	2549.6102236972589	2549.760801121199	38.096460126433	37.9460773360576
729	314	232349	10958.85867307335	99897.3170250766	36.61787598563109	-100.408513	78899.969878568	43862.95740379916	2712.381642548874	2586.210467771735	2547.0499270077335	2547.182920209551	38.160354764001325	39.025675621883
730	314	232350	11018.85867307335	99897.3170250766	36.61786843611145	-100.408516	78910.0607554051	43862.9341627867	2707.585150345358	2584.697500417962	2544.4743441033651	2544.537605848741	40.15299364949101	40.15299364949101
731	314	232351	11088.85867307335	99897.3170250766	36.61786806	-100.4061703	789301.0041155447	43862.89427056841	2702.9875912455904	2583.167772455904	2541.5018294546283	2541.50384995344	41.665752996227	41.665752996227
732	314	232352	11158.85867307335	99897.3170250766	36.61785324097705	-100.403829	789501.98796185246	43862.88403407728	2698.5784180278333	2581.624853748654	2538.352176	2538.353170343943	43.093246704710964	43.093246704710964
733	314	232353	11217.85867307335	99897.3170250766	36.61784557956285	-100.414678	789702.9538569667	43862.87489016011	2684.1776501656	2580.692691924966	2534.951836936868	2534.951836936868	45.07678465646129	45.07678465646129
734	314	232354	11238.85867307335	99897.3170250766	36.61783786491729	-100.3991463	78903.91471117554	43862.7750569374	2688.776102575478	2578.501148214067	2532.57250556349	2532.34940070375	45.9236132360572	46.15714711367145
735	314	232355	11349.85867307335	99897.3170250766	36.61783010904035	-100.396805	78904.87791461137	43862.75317240957	2683.6407832658337	2576.9196792316743	2529.8849042592635	2529.8515751	47.0404128631465	47.0404128631465
736	314	232356	11415.85867307335	99897.3170250766	36.6178223793205	-100.3944636	80305.841004172	43862.69529257955	2675.769801717274	2575.3263331883945	2527.402701036635	2526.9493507982756	47.9236321157995	48.3766923901188
737	314	232357	11481.85867307335	99897.3170250766	36.6178146159242	-100.3921223	80305.843800939	43862.6513233999	2667.893194791124	2573.720925015506	2525.255249566524	2524.6278846347233	48.45657426534818	49.039097606247364
738	314	232358	11547.85867307335	99897.3170250766	36.61780657002144	-100.389781	80707.76684248756	43862.6155364358	2660.0283785605	2572.1032908508646	2525.3210337215028	2524.625400808822	46.78225712936182	47.075702242552
739	314	232359	11618.85867307335	99897.3170250766	36.6177986321918	-100.3874396	80808.729591568	43862.5671847845	2652.5824815850393	2570.478262545391	2523.801878515477	2522.69226052524	46.87074693811401	47.58036423846615
740	314	232360	11678.85867307335	99897.3170250766	36.6177906	-100.385093	81109.092277698	43862.5378947308	2645.501917452174	2568.8289454003148	2523.076004245243	2521.7876330113345	45.7529416	47.0741323898026
1	315	232361	37094.1481	99637.3170250766	36.61316804477132	-102.1153201	323557.852	43862.5454752905	3680.49829355408	3300.44999478171	3030.55676277553	3333.605107541572	69.7922921	66.7433872366192
2	315	232362	370281.1481	99637.3170250766	36.613103424431864	-102.1129791	323758.9535621131	43864.9582	3695.970517279684	3568.475361191799	3527.9641959133683	3532.861955335495	70.51133471	65.6134017633567
3	315	232363	369621.1481	99637.3170250766	36.613128718487236	-102.1106381	323960.0504382193	43894.514853315	3694.184527486114	3596.603129	3531.194379327313	3531.89133691439	67.4406796548461	67.7417921036097
4	315	232364	368961.1481	99637.3170250766	36.61324410209271	-102.1082972	33161.15666679302	43894.5095767007	3682.409498970255	3542.732461059195	3527.510778693093	3527.67047934917	62.028120889569	67.0619624427797
5	315	232365	368301.1481	99637.3170250766	36.61326934069288	-102.1059662	33362.2577	43894.453228082	3682.69654312237	3592.8635474689104	3528.081151252299	3527.742749203913	64.7829621607123	65.1387917856961
6	315	232366	367641.1481	99637.3170250766	36.61324505402828	-102.1036152	33363.3585	43894.416908153	3676.971274774448	3590.96350496164	3528.80513769003	3528.95512059633	62.010845396346	62.0409639383655
7	315	232367	366981.1481	99637.3170250766	36.61342867405916	-102.098413	33776.743197852	43894.374589236152	3675.22251232324	3585.250541227286	3521.920073321112	3521.937838292701	61.4651141820204	61.4651141820204
8	315	232368	366321.1481	99637.3170250766	36.61334457877182	-102.095932	33365.5917641567	43894.3387	3646.23855103906	3587.26391501371	3526.438862101353	3526.299845274575	60.96574829457838	60.96574829457838
9	315	232369	365661.1481	99637.3170250766	36.6133699589802	-102.0959292	324166.5591382684	43892.92354469	3645.68517839349	3585.4087703625064	3528.852576472666	3528.852576472666	65.58619389864041	65.58619389864041
10	315	232370	365001.1481	99637.3170250766	36.6133495978934	-102.0942512	324367.7588375677	43894.250834249	3640.063947275065	3583.84006440971	3527.2135363304183	3525.766094224204	66.3344071055296	67.7819371894679
11	315	232371	364341.1481	99637.3170250766	36.61319986467406	-102.0919103	324568.85827503167	43894.253276791	3635.89499612141	3581.6902702036935	3525.747252888743	3524.354552362904	65.9434931	67.3451839042086
12	315	232372	363681.1481	99637.3170250766	36.61344493192448	-102.089593	324769.954	43894.1672	3618.16448951522	3579.830940420275	3524.355943024275	3524.355943024275	65.4821514175678	67.1424310785325
13	315	232373	363021.1481	99637.3170250766	36.6134682316198	-102.0872283	324871.95568235	43894.1331101612	3638.388100779837	3579.830940420275	3524.355943024275	3524.355943024275	65.5589153824546	65.5589153824546
14	315	232374	362361.1481	99637.3170250766	36.61349458717831	-102.0849872	325172.1500675165	43894.0840090715	3645.148516517447	3576.148516517447	3521.904515947397	3521.904515947397	61.4651141820204	61.4651141820204
15	315	232375	361701.1481	99637.3170250766	36.6135195	-102.0825463	325373.253932107	43894.0343053529	3648.497414220349	3574.312093537945	3520.5119635700876	3517.957407160326	63.8012457670688	65.3588075746859
16	315	232376	361041.1481	99637.3170250766	36.61354425148995	-102.0802053	325573.3515170674	43894.0018	3642.483781580676	3572.483781580676	3519.066826973005	3516.995541024617	63.4145511707673	65.8883711950588
17	315	232377	360381.1481	99637.3170250766	36.6135688090317	-102.0778643	325775.44837714603	43893.96409071	3645.443398070414	3570.66297846915	3517.188890971086	3516.5205544277846	63.47399587582913	65.144224219130526
18	315	232378	359721.1481	99637.3170250766	36.61359035503667	-102.0755233	325976.546976387	43893.9200398933	3646.932009398933	3568.849700631772	3515.934917791383	3515.934917791383	63.301801222935	63.301801222935
19	315	232379	359061.1481	99637.3170250766	36.6136182639451	-102.0731623	327187.6444349791	43893.871366278	3648.521638814674	3567.450295737204	3514.120758698347	3514.7532660663	62.9245864765411	62.9245864765411
20	315	232380	358301.1481	99637.3170250766	36.613642867405916	-102.0708413	32776.743197852	43893.8345354	3645.22251232324	3585.250541227286	3521.920073321112	3521.937838292701	61.4651141820204	61.4651141820204
21	315	232381	357741.1481	99637.3170250766	36.613667405111595	-102.068203	328578.93820746158	43893.7860828134	3653.4685784818566	3563.2831373374873	3513.1644721604283	3513.1644721604283	60.952493512576	60.952493512576
22	315	232382	357081.1481	99637.3170250766	36.6136918936312	-102.0661592	326780.9348	43893.752486408	3659.32473355477	3561.698204031606	3511.334916560475	3512.3919158257763	60.36238747	60.36238747
23	315	232383	356421.1481	99637.3170250766	36.61373617389996	-102.0638182	326862.0105624101	43893.7136419675	3665.23480777289	3559.945147271206	3509.804641691034	3511.0248213794735	60.407303086305	60.407303086305
24	315	232384	355761.1481	99637.3170250766	36.61374051919759	-102.0614772	327183.1270897585	43893.669827933	3666.756490072335	3558.29877254373	3508.58713566168	3509.809157053211	60.4622369	60.4622369
25	315	232385	355101.1481	99637.3170250766	36.613765107784026	-102.0591362	327384.22862297107	43893.6240213151	3669.840299791966	3556.492293469584	3507.409579879694	3507.409579879694	61.7829621607123	61.7829621607123
26	315	232386	354441.1481	99637.3170250766	36.61378942013628	-102.0567632	327585.1873608248	43893.5842504944	3673.800329671606	3553.737835108	3506.2301126541	3507.478427060422	61.6363675352649	61.6363675352649
27	315	232387	353681.1481	99637.3170250766	36.61381397051606	-102.054113	32776.743197852	43893.5404136198	3675.800329671606	3553.737835108	3506.2301126541	3507.478427060422	61.6363675352649	61.6363675352649
28	315	232388	353121.1481	99637.3170250766	36.61383709214026	-102.0521132	32776.743197852	43893.5036708185	3678.68730823712	3551.45755879711	3505.321092738184	3506.2004462128	61.6363675352649	61.6363675352649
29	315	232389	352461.1481	99637.3170250766	36.61386205891748	-102.0497721	32							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtElevKrg.ft	SatHtBoth.ft
111	3125	232471	-298341.1413	996937.3170250766	36.6156968030889	-101.8578935	545677.5083907306	389006.9631987191	3898.192859	3373.770520495484	3369.148631446374	3371.078689079714	67.8238749	
112	3125	232472	-297681.1413	996937.3170250766	36.61571110618599	-101.8554242	545875.5825093433	389002.83466898	3687.473386625497	3435.456472523475	3372.571171943119	68.53856241254666	66.8305472143474	
113	3125	232473	-297021.1413	996937.3170250766	36.6157248413819	-101.8531212	545979.6588810203	388998.7086624241	3688.75362147473	3433.86936830975	3371.418436258116	67.6356929434471283	67.6356929434471283	
114	3125	232474	-296361.1413	996937.3170250766	36.61573181685334	-101.8507801	545820.7294111022	388994.9317501659	3684.0342653623492	3422.6044326547035	3370.2905844635843	68.3941296201414	68.41158637866201	
115	3125	232475	-295701.1413	996937.3170250766	36.61572710346757	-101.848439	545841.80260347575	388990.4513319718	3682.493527350828	3431.3309809873433	3369.030034853634	67.36624573030517	67.36624573030517	
116	3125	232476	-295041.1413	996937.3170250766	36.61572934664471	-101.8460978	545862.87555230546	388995.6243207912	3681.1325527430964	3430.1784271330994	3368.053262480444	67.31210060550526	66.42345770430711	
117	3125	232477	-294381.1413	996937.3170250766	36.61581254370679	-101.8437567	545883.34839975944	388892.197	3679.77111634992	3429.124094346737	3366.846619658807	67.36624573030517	67.36624573030517	
118	3125	232478	-293721.1413	996937.3170250766	36.61583269553365	-101.8414155	545865.02062613492	388978.707343915	3676.409105702703	3428.131722513991	3365.524497862775	67.36624573030517	67.36624573030517	
119	3125	232479	-293061.1413	996937.3170250766	36.61585260213585	-101.8392744	545873.002072021	388973.1545258949	3675.44916255949	3427.1722931646927	3363.893081178214	67.36624573030517	67.36624573030517	
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122	3125	232482	-291081.1413	996937.3170250766	36.6159128505907	-101.8320509	545869.30828452687	388961.565137615	3675.767178499593	3424.3293121509637	3356.812068	67.37452399039714	75.7845749049745	
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124	3125	232484	-289761.1413	996937.3170250766	36.61595266764975	-101.8273686	545791.450523886	388953.313634047	3674.2036044723504	3422.381336310404	3351.970551780406	67.4447847198045	77.4447847198045	
125	3125	232485	-289101.1413	996937.3170250766	36.61597248201483	-101.8250275	545792.52135662272	388949.188613075	3673.446133851396	3421.388107173981	3349.771308296956	67.4447847198045	77.4447847198045	
126	3125	232486	-288441.1413	996937.3170250766	36.61599226203024	-101.8226863	545793.59190143138	388945.06359182	3672.48969230274	3420.380054350008	3347.437451747339	67.4447847198045	77.4447847198045	
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130	3125	232490	-285801.1413	996937.3170250766	36.6160709888172	-101.8133217	545847.8716905006	388928.56508147	3663.26512625686	3416.1956431898643	3338.7052840347974	67.4447847198045	77.4447847198045	
131	3125	232491	-285141.1413	996937.3170250766	36.616109053774837	-101.8109805	545868.94140845162	388929.441168715	3660.057413526227	3415.107185382926	3336.681171694285	67.4447847198045	77.4447847198045	
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133	3125	232493	-283821.1413	996937.3170250766	36.6161245498248	-101.806392	545917.1545258949	388913.1945258949	3655.166792198744	3410.92733198744	3332.98328198744	67.4447847198045	77.4447847198045	
134	3125	232494	-283161.1413	996937.3170250766	36.61614897414111	-101.803957	545932.1476635792	388910.127108403	3653.846312609105	3411.72638716108	3331.133048931935	67.4447847198045	77.4447847198045	
135	3125	232495	-282501.1413	996937.3170250766	36.61616835710824	-101.8018158	545903.2160623997	388907.85248566	3652.89197714717	3410.565729	3329.458382687033	67.4447847198045	77.4447847198045	
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138	3125	232498	-280521.1413	996937.3170250766	36.616226234733944	-101.7945923	546106.419832146	388895.50869393	3653.14476265511	3406.96208297479	3325.67503576179	67.4447847198045	77.4447847198045	
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140	3125	232500	-279201.1413	996937.3170250766	36.61626045369807	-101.789951	546059.4369807	388887.345697345	3651.436184543001	3404.9152373788205	3323.4698282005	67.4447847198045	77.4447847198045	
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142	3125	232502	-277881.1413	996937.3170250766	36.61630277173889	-101.7852276	546109.6882181513	388879.163071736	3649.094174574575	3402.451589610024	3321.4621387194	67.4447847198045	77.4447847198045	
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148	3125	232508	-273921.1413	996937.3170250766	36.616416220463194	-101.7711805	546217.08371671654	388854.369704044	3640.1459021402	3399.702851897219	3319.199391662704	67.4447847198045	77.4447847198045	
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151	3125	232511	-271941.1413	996937.3170250766	36.6164723247082	-101.764157	546289.12729568705	388842.01085881	3637.728807479206	3398.058198549516	3312.235433995372	67.4447847198045	77.4447847198045	
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155	3125	232515	-269301.1413	996937.3170250766	36.616546519511104	-101.7547922	546324.5345454832	388825.33568124	3634.25419566828	3396.1869192092154	3305.490071786044	67.4447847198045	77.4447847198045	
156	3125	232516	-268641.1413	996937.3170250766	36.6165646257491	-101.752451	546375.597912565	388821.471317716	3633.51179681598	3395.58485483723	3303.508678254925	67.4447847198045	77.4447847198045	
157	3125	232517	-267981.1413	996937.3170250766	36.616583340772095	-101.7501098	546396.613613633	388817.298291917	3632.04940223634	3394.892900464447	3301.34477933047	67.4447847198045	77.4447847198045	
158	3125	232518	-267321.1413	996937.3170250766	36.6166018635269	-101.7477686	546412.7241268445	388813.181478543	3631.7470059111	339				

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVLogsKrg	BRIEVBothKrg	SatHLogs	SatHBoth
237	315	232597	-215181.1413	9969637.3170250766	36.61790784503888	-101.5628106	28001.88227670114	348848.9900580899	3435.2217034219098	331.693512019692	3152.419435	3151.5289393950734	259.247077
238	315	232598	-214521.1413	9969637.3170250766	36.61792256595265	-101.5604484	28012.1270511554	348849.4003459259	3435.717226971245	331.70146034300835	3155.541333348484	3154.91355091595133	155.311749428815
239	315	232599	-213861.1413	9969637.3170250766	36.61793744891765	-101.5581281	28043.9271171565	348849.3909646423	3435.56434722348	331.7265934722348	3155.56434722348	3151.24093122348	152.6791416897238
240	315	232600	-213201.1413	9969637.3170250766	36.61795188321301	-101.5557568	28064.11671313123	348847.761909182	3435.67734666493	3308.0151661693174	3159.7918050345597	3158.410195979884	148.22336113475785
241	315	232601	-212541.1413	9969637.3170250766	36.61796647187326	-101.5534455	28081.51619370475	348847.192577796	3432.977928274732	3306.7914958790184	3160.910896	3159.595352549821	145.8809797633855
242	315	232602	-211881.1413	9969637.3170250766	36.61798011515035	-101.5511042	28106.20525585123	348848.004	3419.181320780376	3315.561793310273	3161.2897881485565	3159.579131198714	145.582340830811
243	315	232603	-211221.1413	9969637.3170250766	36.61799651392242	-101.5487629	28127.2402080128	348847.95912566	3413.8070331478884	3304.2039958081413	3161.1134570224513	3159.89087786517	143.206893
244	315	232604	-210641.1413	9969637.3170250766	36.61800997	-101.5464217	28148.292423336	348849.897	3407.84971890846	3303.060582524233	3160.9132316260263	3159.865317238057	143.195268784376
245	315	232605	-209991.1413	9969637.3170250766	36.6180243755663	-101.5440084	281619.336616603	348845.78070688	3301.7741119272146	3161.48481848687	3145.20508452892	3145.20508452892	122.7801416897238
246	315	232606	-209241.1413	9969637.3170250766	36.6180387777557	-101.5417391	28182.379661963	348845.70086423	3305.93340247613	3300.44757305956	3162.4424839130643	3162.225827591563314	138.2216900534718
247	315	232607	-208581.1413	9969637.3170250766	36.61805306	-101.5393878	28201.423	348847.603130019	3304.020899	3309.067389674465	3163.281201405925	3163.5635425451616	135.201765152147
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252	315	232612	-205281.1413	9969637.3170250766	36.61812364272196	-101.5276193	283026.63519624784	348842.7118134093	3412.3015353699175	3290.800561194643	3158.930130375247	3156.2701357407627	134.6702304231613
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257	315	232617	-201981.1413	9969637.3170250766	36.6181974253912	-101.5159848	284031.84231070394	348840.638789397	3436.789154308146	3281.402478268577	3148.6405902136185	3148.5790065044118	132.7427176416524
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273	315	232633	-191421.1413	9969637.3170250766	36.61840943362299	-101.4785239	287248.4686741084	348834.12277904	3426.35406882338	3250.77674	3129.162633407982	3129.162633407982	124.62392728924
274	315	232634	-190761.1413	9969637.3170250766	36.61842253066818	-101.4761826	287449.5060497797	348833.051	3425.80922553434	3424.897455318691	3136.2152343890252	3126.8036249540256	122.0938282096562
275	315	232635	-190101.1413	9969637.3170250766	36.61843556172312	-101.4738413	287650.542166889	348833.295838644	3423.0722781854205	3248.1553176487237	3125.453744040339	3126.8719642054811	121.61745373186564
276	315	232636	-189441.1413	9969637.3170250766	36.618448567487474	-101.4715	287851.58017504326	348833.268707398	3417.307487095442	3245.163293112694	3140.316188802071	3125.035616454855	120.1282074567391
277	315	232637	-188781.1413	9969637.3170250766	36.6184615481421	-101.4691587	288062.6169	348832.378	3411.87720877782	3243.160265117193	3142.225620705602	3125.162168805034	120.0807811577125
278	315	232638	-188121.1413	9969637.3170250766	36.6184746350696	-101.4668174	288253.6534695194	348832.807121629	3409.7549666079	3241.46304844736	3143.59146941669248	3129.162633407982	119.7963142079113
279	315	232639	-187461.1413	9969637.3170250766	36.61848752374076	-101.464582	288463.68482336	348832.819508477	3407.95166077677	3240.35156776043	3143.59146941669248	3129.162633407982	119.7963142079113
280	315	232640	-186801.1413	9969637.3170250766	36.6185001554445	-101.4621347	288655.7592702974	348831.550463118	3406.38455619126	3237.45320062338	3131.322894	3127.54454712895	119.7963142079113
281	315	232641	-186141.1413	9969637.3170250766	36.61851293821786	-101.4597934	288856.761845668	348830.841434682	3396.58599417818	3236.021487280476	3131.3438339142867	3106.892158222118	125.6756391376088
282	315	232642	-185481.1413	9969637.3170250766	36.61852567266095	-101.4574521	289057.7975570485	348830.342665971	3392.302804379307	3234.569891174304	3109.617707832807	3109.617707832807	125.6756391376088
283	315	232643	-184821.1413	9969637.3170250766	36.61853838187364	-101.4551108	289258.8306312852	348830.237104428	3388.35446182316	3231.196784423016	3111.7972348020213	3110.70436934157	122.4564150814305
284	315	232644	-184161.1413	9969637.3170250766	36.61855100585956	-101.4527894	289459.863858161	348832.77177591	3383				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft	
363	315	232723	-132021.1413	999637.3170250766	36.91940695049326	-101.2678027	305341.0207998908	4387973.802396689	310.07304984961774	3121.502551325509	3021.339702360524	2986.5225453526486	110.1628498488514	134.9800077278052
364	315	232724	-131361.1413	999637.3170250766	36.91941597597228	-101.2654813	305542.0402211694	4387973.91626165	330.761832829362	310.127394115464	3021.287154071299	2988.9627045025214	88.8503637525214	131.155687629426
365	315	232725	-130701.1413	999637.3170250766	36.91942496617228	-101.263119	305745.059432267	4387973.860540522	336.571698464717	311.18705840789165	3022.043022409226	2992.194369867197	86.72341984	126.58567953138
366	315	232726	-130041.1413	999637.3170250766	36.919439123497	-101.2607785	305944.0784662703	4387973.859673051	302.872545362616	311.7141694558114	3022.662160207895	2995.506954837278	94.754785703722921	121.8662501113831
367	315	232727	-129381.1413	999637.3170250766	36.91944278017199	-101.2584372	306145.0973085544	4387973.8140533472	329.965283382959	311.61603596336916	3023.3627005402773	2999.065667048559	82.70089579611431	116.67929282783645
368	315	232728	-128721.1413	999637.3170250766	36.9194516556887	-101.2560958	306346.11956113705	4387973.8484623792	316.717898921007	311.74156847691563	3024.076155441648	3000.236232750817	111.961013383745817	111.961013383745817
369	315	232729	-128061.1413	999637.3170250766	36.91946044887606	-101.2537554	306547.13442374324	4387973.879	329.240512703923	311.373161923667	3025.488123384976	3025.488123384976	87.8850385516924	106.663425663691
370	315	232730	-127401.1413	999637.3170250766	36.91946917897141	-101.251413	306748.1256984714	4387973.90485227	328.861371738675	311.02366209782576	3027.125944945866	3011.080584999708	84.7105703237141	110.05935937845895
371	315	232731	-126741.1413	999637.3170250766	36.9194786782654	-101.2490716	306949.1707834774	4387973.9312874897	336.571698464717	311.18705840789165	3028.043022409226	2992.194369867197	81.07581629969058	94.6383741827252
372	315	232732	-126081.1413	999637.3170250766	36.91948651450708	-101.2467203	307150.186787559	4387973.951263689	320.366201358205	310.9138055843904	3032.51403095615	3021.924307174504	76.4658182	87.45572511693101
373	315	232733	-125421.1413	999637.3170250766	36.91948516984055	-101.2443889	307351.2063874675	4387973.99950809	327.1607154189028	310.8206339043127	3037.2218351071583	3028.962047459642	72.8403036871449	79.10029158420751
374	315	232734	-124761.1413	999637.3170250766	36.919503743002625	-101.2420475	307552.224	4387973.03089893	269.955227683991	310.6749856149037	3042.78029986379	3023.635933907227	62.9695555529473	69.11236203263906
375	315	232735	-124101.1413	999637.3170250766	36.91951227095284	-101.2397061	307753.21433791425	4387973.962408707	324.4965073200067	310.544134546578	3049.740895046311	3047.6957658079607	57.74326306761728	57.74326306761728
376	315	232736	-123441.1413	999637.3170250766	36.91952075	-101.237347	307954.25848114083	4387973.89436216	326.7820521418946	310.415428632121	3055.940318	3056.647269021326	45.205516807321146	47.496566245767506
377	315	232737	-122781.1413	999637.3170250766	36.91952919106207	-101.2350233	308155.2743661743	4387973.82584805	253.053661968195	310.2456671968195	3051.343424	3051.9198831218485	51.15332749979358	50.93887876534396
378	315	232738	-122121.1413	999637.3170250766	36.919537833110645	-101.232862	308356.2922045523	4387973.75688572	3247.35006216274	3101.580213292195	3040.30377421593	3030.9180783046	61.2760357006394	62.4884055915334
379	315	232739	-121461.1413	999637.3170250766	36.91954593	-101.2303408	308557.3087851474	4387973.688947405	3242.536272475531	3101.320634561964	3030.218036487929	3027.250232527639	70.10258004603519	73.0740194945778
380	315	232740	-120801.1413	999637.3170250766	36.919545232070826	-101.2279992	308758.32517861284	4387973.621233998	323.620772593999	309.9082816910939	3021.90872220192	3017.4400222277274	71.17400469	81.59081468321165
381	315	232741	-120141.1413	999637.3170250766	36.91956248660237	-101.2256578	308959.3418515266	4387973.55745339	3247.60822174063	3097.869948096051	3035.4349241320406	3009.2029322971852	82.453206421027	86.6702479886544
382	315	232742	-119481.1413	999637.3170250766	36.91957060990157	-101.2233164	309160.3574049734	4387973.48641425	3230.790872393335	306.6837360878517	3010.3937437628433	3004.3981754520987	82.8899232500837	92.28482154575977
383	315	232743	-118821.1413	999637.3170250766	36.9195787	-101.220975	309361.373232817	4387973.414422485	323.2516747381978	305.521939517824	3006.66120789326	3001.5846670606163	88.8607316584803	93.93727191720791
384	315	232744	-118161.1413	999637.3170250766	36.91958666862815	-101.218336	309589.4832147873	4387973.35027734	323.087053279658	304.378457609406	3004.03025260261	2996.71177734545	81.7612602303925	93.17891038178974
385	315	232745	-117501.1413	999637.3170250766	36.919595207407	-101.216238	309783.0424319096	4387973.286198384	324.821927429384	307.874761455567	3009.15824862369	2997.947791033671	80.395249826359	91.4387972108161
386	315	232746	-116841.1413	999637.3170250766	36.91961030277437	-101.213508	309964.419621184	4387973.215637034	325.579858262381	3092.1249695272	3009.2220580602024	2985.10722444487	82.9024386394961	97.0277442123459
387	315	232747	-116181.1413	999637.3170250766	36.9196110791151	-101.2116095	310165.3471049774	4387973.153733173	325.06020258524325	3097.027857570235	2997.428124378835	2981.097916757094	83.9791673718848	109.9039689999294
388	315	232748	-115521.1413	999637.3170250766	36.91961901781615	-101.2092581	310366.4496143289	4387973.087617082	325.650262375237	3099.893891	2995.677039143284	2978.144436451612	84.21685178	111.74945447027858
389	315	232749	-114861.1413	999637.3170250766	36.91962691248834	-101.2069267	310567.4633281815	4387973.028	325.298477615688	308.783149667153	2994.0976506000333	2975.86719295046	84.6809307	112.291956271085
390	315	232750	-114201.1413	999637.3170250766	36.919634761928026	-101.204583	310768.4789663626	4387973.96489474	324.946675626659	3087.675544994707	2992.497317193452	2973.991014	85.1782278	113.64583131071692
391	315	232751	-113541.1413	999637.3170250766	36.91964296613522	-101.2022488	310989.4932147873	4387973.8948217878	325.046686261422	3088.652697941422	2991.2362461483185	2972.9821961396224	95.33756720381	95.33756720381
392	315	232752	-112881.1413	999637.3170250766	36.919650333096	-101.1999029	311170.5707389359	4387973.820520142	325.596573278854	3087.473097701354	2997.940770173654	2971.1222014505369	94.6895052693639	114.33471732108161
393	315	232753	-112221.1413	999637.3170250766	36.91965803855199	-101.1975611	311371.5213584374	4387973.761409061	325.1747207398322	3084.37722968503	2988.395767504087	2986.523072149291	95.9695089098418	114.8451575192121
394	315	232754	-111561.1413	999637.3170250766	36.9196657036158	-101.1952197	311572.5315368966	4387973.696841426	324.697169969948	3083.262572630497	2984.816732092345	2986.4728547797476	96.46992517070476	115.34340246534248
395	315	232755	-110901.1413	999637.3170250766	36.91967330638584	-101.1928783	311773.54876490147	4387973.634840626	325.502162370044	3082.19948978962	2984.992222	2986.4621267	97.20702813140178	115.7798704428187
396	315	232756	-110241.1413	999637.3170250766	36.9196809063016	-101.1905369	311974.562192777	4387973.568380056	325.3563063760453	3081.1150456084306	2983.078118395436	2985.081019821094	88.0369271299467	116.034271299467
397	315	232757	-109581.1413	999637.3170250766	36.91968844149584	-101.188195	312175.57543626141	4387973.50448805	326.61958484527	3080.033548735658	2981.13457150941	2984.1594854897387	98.9897158417285	115.87306195891698
398	315	232758	-108921.1413	999637.3170250766	36.9196952907407	-101.185814	312376.5894963474	4387973.440817168	327.8517676098278	3079.874791033671	2980.3444634034329	2981.3444634034329	91.10737811518902	122.4248526
399	315	232759	-108261.1413	999637.3170250766	36.91970370314454	-101.1835127	312577.60173734487	4387973.373782635	327.88195610518097	3077.88195610518097	2978.349077782976	2984.845167982778	95.92916778287	113.3607936888191
400	315	232760	-107601.1413	999637.3170250766	36.91971077	-101.1811713	312778.6140675404	4387973.314152695	328.3916789084925	3076.814079786021	2977.67120321035	2986.4321666322	91.428765649816	110.3756312273879
401	315	232761	-106941.1413	999637.3170250766	36.91971812041589	-101.1788299	312979.6267882477	4387973.251571343	325.619853457228	3075.751474114685	2976.8847100187495	2986.026260110903	98.466059535	107.7252140504582
402	315	232762	-106281.1413	999637.3170250766	36.91972542706453	-101.1764885	313180.638075101	4387973.1883654	325.6429701532247	3074.694888283797	2975.415299759055	2986.89959996036	98.94472547194	105.529637717634
403	315	232763	-105621.1413	999637.3170250766	36.919733888480475	-101.1741471	313381.6510537998	4387973.1234054	326.6073926703	3073.64174859188	2975.0932226457276	2985.9294039319107	104.7763077403929	116.034271299467
404	315	232764	-104961.1413	999637.3170250766	36.91973994653708	-101.171809	313582.63	4387973.061837365	325.78930793186	3072.5061923658133	2983.860193961605	2987.7805879490078	104.87556490078	104.87556490078
405	315	232765	-104301.1413	999637.3170250766	36.919747075614264	-101.169218	313783.6760081994	4387973.00142156	326.947198717747	3071.216242681524	2981.253084818251	2984.753084818251	92.12348526	104.87556490078
406	315	232766	-103641.1413	999637.3170250766	36.91975420133208	-101.167127	313984.6844003925	4387973.939549121	325.23480345816	3070.54624971562	2979.1015539113957	2980.07489121075	110.3509130616648	107.756757604701
407	315	232767												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
48	315	232849	-48681.14133	999637.3170250766	36.02018796347844	-100.9727855	36068.036692068833	4378462.586078272	3047.606323540405	2484.785030768742	2882.30926870805	2880.582170136215	46.7542038973726	68.2028603626074
490	315	232850	-48201.14133	999637.3170250766	36.0201917956637	-100.970444	33069.0315886075	437458.543309075	3058.529922	2947.222722396488	2880.66727284895	2877.896563080985	68.5324531165367	69.32570302
491	315	232851	-47741.14133	999637.3170250766	36.0201945604381	-100.9681026	33170.036	437454.500221714	3054.54248144437	2947.383158461347	2878.7013083631349	2876.8588764286917	70.5323201	70.5323201
492	315	232852	-46881.14133	999637.3170250766	36.0201979614265	-100.9657612	331271.0267965814	4387450.457620181	3068.64683582001	2947.107903138795	2878.819090675847	2873.090273708354	67.2879936	71.01771943
493	315	232853	-46221.14133	999637.3170250766	36.02020096570374	-100.9634197	331472.0232756	4387446.415	3071.750248185	2942.5663070952003	2874.885727853724	2873.534891621859	67.67053425962768	69.02141543734122
494	315	232854	-45561.14133	999637.3170250766	36.02020413176454	-100.9610783	331673.019782517	4387442.373115573	3074.855416517298	2941.005021866026	2873.648509756893	2869.46284631547	67.35791121091324	71.5435655505547
495	315	232855	-44901.14133	999637.3170250766	36.02020786172508	-100.9587369	331874.0160297031	4387438.33194481	3072.368706322515	2939.456387909217	2872.943067909217	2872.943067909217	65.12484876212039	71.15694073688179
496	315	232856	-44241.14133	999637.3170250766	36.02021026845199	-100.9563935	332075.01211330725	4387434.289497181	3064.29041312532	2937.015926372704	2872.453751	2868.090069755368	64.4874166123054	69.89258681902054
497	315	232857	-43581.14133	999637.3170250766	36.02021326945531	-100.954054	332276.008338712	4387430.248638712	3058.2209836812	2935.342461	2872.285434194475	2867.428672765563	64.05702681	69.8183378835356
498	315	232858	-42921.14133	999637.3170250766	36.0202162602502	-100.9517126	332477.003791589	4387426.207779342	3046.146791300923	2934.781425308877	2872.223027121536	2866.727219956538	62.5580425672414	68.05423340922394
499	315	232859	-42261.14133	999637.3170250766	36.02021917932064	-100.9493712	332677.993896691	4387422.165747981	3045.100368540042	2933.2184507067882	2872.134957227069	2865.845649431387	61.73254114049052	
500	315	232860	-41601.14133	999637.3170250766	36.02022205303251	-100.9470297	332878.9941935716	4387418.120457384	3047.076820526035	2931.653166773054	2871.8269171723555	2864.760701688084	59.8262496	66.8924608
501	315	232861	-40941.14133	999637.3170250766	36.0202248158229	-100.9446883	333079.9908983164	4387414.08437338	3048.0535175104795	2930.0580896283878	2871.537117266294	2863.548926309378	66.6254975470343	
502	315	232862	-40281.14133	999637.3170250766	36.020227664908796	-100.9423469	333280.885249333	4387410.044010628	3051.029746995977	2928.537161901634	2871.278905798062	2864.04948585252	67.23481039211026	66.5732176
503	315	232863	-39621.14133	999637.3170250766	36.02023004300264	-100.9400054	333481.98044441937	4387406.038799645	3052.308679698883	2926.936071392558	2870.751380102426	2860.1248305820515	66.8114081050328	
504	315	232864	-38961.14133	999637.3170250766	36.02023309558076	-100.9376764	333682.970298729	4387401.963371429	3052.3511033020897	2925.3511033020897	2870.03451847905	2858.645241591614	65.3178020823462	66.7009234
505	315	232865	-38301.14133	999637.3170250766	36.02023574382226	-100.9353226	333883.969653028	4387397.924889194	3043.832415466116	2923.761223298273	2869.279704761807	2857.023735848706	64.58151853209265	67.73748734965735
506	315	232866	-37641.14133	999637.3170250766	36.02023834587269	-100.9329812	334084.96411597804	4387384.061157804	3040.558213467405	2922.166436476405	2868.103275214784	2853.785696	64.0463161262119	68.38074373467195
507	315	232867	-36981.14133	999637.3170250766	36.0202409032951	-100.9306397	334285.9584174551	4387389.385690303	3036.3165478436865	2920.568982385355	2867.12684381142	2851.866620512973	63.5427185239354	68.7023471
508	315	232868	-36321.14133	999637.3170250766	36.02024341495263	-100.9282983	334486.952515544	4387384.05680593	3031.710556484131	2918.9686613046415	2866.021289617201	2852.9473168744041	62.6627911471184	
509	315	232869	-35661.14133	999637.3170250766	36.02024584168204	-100.9259569	334687.9463828326	4387381.76719188	3029.685881479593	2917.365312339567	2864.7500891736213	2852.13471283363	62.51263420567985	65.19124015070395
510	315	232870	-35001.14133	999637.3170250766	36.02024830397848	-100.9236154	334888.9404450444	4387377.752926189	3028.029483571273	2915.768586076789	2863.63289916052	2851.735912615404	62.22253269641787	62.22253269641787
511	315	232871	-34341.14133	999637.3170250766	36.02025077453916	-100.9212954	335089.9463828326	4387373.21271873	3027.145224236458	2914.770423623658	2862.770423623658	2850.731562560415	61.89102634499356	61.89102634499356
512	315	232872	-33681.14133	999637.3170250766	36.02025301030829	-100.9198326	335290.91257170187	4387369.653	3021.812905379042	2912.534401107124	2861.363405	2855.362228909781	51.71096914	57.121721261395
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515	315	232875	-31701.14133	999637.3170250766	36.0202599731871215	-100.9119083	335893.907058594	4387357.539756435	2974.2483710297927	2908.4536742231137	2858.508727530081	2856.32474408383	49.1560170105592	51.34229482298754
516	315	232876	-31041.14133	999637.3170250766	36.0202618192477	-100.9095968	336084.899204894	4387353.503	2973.324426432248	2906.029395254584	2857.6352999501182	2856.3491728354	48.3940926466552	49.67881161939976
517	315	232877	-30381.14133	999637.3170250766	36.020263768974461	-100.9072254	336285.948533721	4387349.48533721	2972.478514256664	2904.78701698247	2856.78701698247	2855.888033	48.0889753241627	
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519	315	232879	-29061.14133	999637.3170250766	36.0202676068311	-100.9025425	336687.8775534734	4387341.3920254304	2968.1154287215821	2901.062875472581	2853.673461461545	2853.673461461545	47.3912932311632	47.5885654251935
520	315	232880	-28401.14133	999637.3170250766	36.020269280176	-100.9002011	336888.869780918	4387337.58567689	2966.053788315924	2899.375678736344	2851.92187829091	2851.768841710723	47.0347961461516	47.6070317033617
521	315	232881	-27741.14133	999637.3170250766	36.02027195	-100.8978597	337099.8618502253	4387333.317175123	2965.995404906702	2897.63090866337	2850.935617526924	2850.192827189884	47.22748711004456	47.47080367348475
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524	315	232884	-25761.14133	999637.3170250766	36.02027745397905	-100.890854	337702.8371168077	4387321.21271873	2963.15875425664	2892.27145224236458	2848.731562560415	2848.731562560415	44.0008953763765	44.0008953763765
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526	315	232886	-24441.14133	999637.3170250766	36.02028089	-100.8861525	338104.819635271	4387313.14299311	2961.041926627908	2888.2963291376206	2848.936017020824	2849.38086	43.55023129583194	38.89624036630505
527	315	232887	-23781.14133	999637.3170250766	36.02028264708766	-100.8838111	338305.8109576396	4387309.710382521	2960.070688959487	2884.8454568621173	2849.420245174915	2849.420245174915	37.2516120383141	36.76823784875715
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531	315	232891	-21141.14133	999637.3170250766	36.02028967407866	-100.874392	339109.738932696	4387283.01910222	2955.49359526765	2877.428373932696	2842.7804359526765	2842.7804359526765	35.89626133169273	35.89626133169273
532	315	232892	-20481.14133	999637.3170250766	36.020291309351	-100.8721033	339301.76423711074	4387273.36736698	2954.3721021199887	2876.1818517412	2842.84037909578	2839.06024018981	37.7577777	33.75870048130399
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatHLogKgr.ft	SatHBoth.ft
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616	315	323276	34958.8586730335	999637.3170250766	36.0204856655959	-100.6754234	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
617	315	323297	35618.8586730335	999637.3170250766	36.02024609117725	-100.6730619	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
618	315	323278	34958.8586730335	999637.3170250766	36.0204856655959	-100.6754234	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
619	315	323297	36938.8586730335	999637.3170250766	36.02024609117725	-100.6730619	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
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635	315	323295	47498.8586730335	999637.3170250766	36.0201947691286	-100.6309362	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
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637	315	323297	48818.8586730335	999637.3170250766	36.02019408494798	-100.6262581	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
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653	315	323313	59378.8586730335	999637.3170250766	36.0201288444917	-100.5887905	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
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655	315	323315	60698.8586730335	999637.3170250766	36.02012061481476	-100.5841077	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
656	315	323316	61358.8586730335	999637.3170250766	36.0201164321407	-100.5817663	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
657	315	323317	62018.8586730335	999637.3170250766	36.02011240424575	-100.5794218	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
658	315	323318	62678.8586730335	999637.3170250766	36.02010793112386	-100.5770634	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
659	315	323319	63338.8586730335	999637.3170250766	36.02010361274472	-100.574742	559992.4400531408	438999.54922944492	2786.284463954576	2772.588137740229	2715.51611501129236	2770.07202273983619	59.45598959516499
660	315	323320	64038.8586730335	999637.3170250									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	WLL	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtElevKrg.ft	SatHtBoth.ft
1	316	233101	-370941.1413	1002929.3170250766	36.91498083490721	-102.1153529	232562.01724113076	4398663.797	3686.8347168517776	3529.217975847647	3529.217563072984	3532.1360228795907	70.05004127746633	67.1257470525503
2	316	233102	-370281.1413	1002929.3170250766	36.91500623222228	-102.1130119	232763.1188130977	4398669.5437989	3689.2746458564533	3597.372130914243	3526.651504046928	3531.3917259184202	70.7207344318492	65.98005169403278
3	316	233103	-369621.1413	1002929.3170250766	36.91502751566664	-102.1106708	232956.22912184473	4398655.490498729	3688.302491168485	3525.482316370578	3525.482316370578	3530.4271316574486	70.7207344318492	65.98005169403278
4	316	233104	-368961.1413	1002929.3170250766	36.91505689418864	-102.1083298	233163.21651477	4398651.337414577	3687.95468147776	3525.1440330439127	3526.2554122206412	3526.2554122206412	70.7207344318492	65.98005169403278
5	316	233105	-368301.1413	1002929.3170250766	36.91508215683963	-102.1059888	233366.42194404262	4398647.184673954	3679.54649847776	3517.703327845125	3526.682545886465	3526.682545886465	70.7207344318492	65.98005169403278
6	316	233106	-367641.1413	1002929.3170250766	36.91510737426963	-102.1036477	233567.52245857962	4398634.302104224	3675.16761847377	3509.825742	3527.34410556452	3527.34410556452	70.7207344318492	65.98005169403278
7	316	233107	-366981.1413	1002929.3170250766	36.91513254647787	-102.1013067	233768.6227903211	4398638.76872565	3664.107642078903	3507.92487289762	3526.1937731739734	3526.1937731739734	70.7207344318492	65.98005169403278
8	316	233108	-366321.1413	1002929.3170250766	36.91515767344943	-102.0989856	233969.7229961452	4398634.72768447	3646.366230409013	3586.0619799129886	3526.7207063371715	3526.8216768857415	70.7207344318492	65.98005169403278
9	316	233109	-365661.1413	1002929.3170250766	36.91518275320916	-102.0966466	234170.62241838618	4398630.575161586	3638.624917959096	3558.418273180578	3527.17691306387	3525.68872630719	70.7207344318492	65.98005169403278
10	316	233110	-365001.1413	1002929.3170250766	36.91520777179379	-102.0942365	234371.9218772221	4398626.44102686	3630.854035220884	3582.037991627216	3525.500475637044	3524.080575756895	70.7207344318492	65.98005169403278
11	316	233111	-364341.1413	1002929.3170250766	36.915232730395976	-102.0919425	234570.7010758694	4398622.272671887	3625.80663641044	3580.427417531142	3523.931686829115	3522.688433541716	70.7207344318492	65.98005169403278
12	316	233112	-363681.1413	1002929.3170250766	36.91525727919638	-102.0896014	234774.1200965343	4398618.12468626	3613.400592072043	3578.55525709593	3522.609998920461	3520.8826312102778	70.7207344318492	65.98005169403278
13	316	233113	-363021.1413	1002929.3170250766	36.915282630075065	-102.0872504	234975.2186804218	4398610.97409302	3602.952824029982	3576.687436740244	3521.19462345897	3519.454919013995	70.7207344318492	65.98005169403278
14	316	233114	-362361.1413	1002929.3170250766	36.91530748573196	-102.0849193	235176.317087407	4398609.814752715	3628.5844564979207	3574.824456536222	3519.84560464299	3517.254965183905	70.7207344318492	65.98005169403278
15	316	233115	-361701.1413	1002929.3170250766	36.91533226617044	-102.0825783	235377.4153469426	4398605.669	3633.80674401797	3572.767897363414	3518.845660790415	3516.226056037456	70.7207344318492	65.98005169403278
16	316	233116	-361041.1413	1002929.3170250766	36.91535701138023	-102.0802272	235578.51311849145	4398601.518327748	3638.665415079154	3571.11719013764	3517.71655011452	3515.733987087506	70.7207344318492	65.98005169403278
17	316	233117	-360381.1413	1002929.3170250766	36.9153817317151	-102.0778962	235779.610740373	4398597.369	3639.522083122558	3569.27337968887	3515.688602526333	3515.25735	70.7207344318492	65.98005169403278
18	316	233118	-359721.1413	1002929.3170250766	36.91540646	-102.0755551	235980.7084013905	4398593.219030998	3642.378751765426	3567.43716784526	3514.2531231193017	3512.92478337725	70.7207344318492	65.98005169403278
19	316	233119	-359061.1413	1002929.3170250766	36.91543105686808	-102.073214	236181.8051990203	4398589.09421643	3645.344758380345	3565.609308286734	3512.786204790604	3513.5440849514265	70.7207344318492	65.98005169403278
20	316	233120	-358401.1413	1002929.3170250766	36.915455670013276	-102.070873	236382.9023632306	4398582.90230962	3648.402215692826	3563.79692884546	3511.7246980782033	3512.5477124333945	70.7207344318492	65.98005169403278
21	316	233121	-357741.1413	1002929.3170250766	36.915480929116384	-102.0685319	236583.9868123693	4398580.77085948	3651.49539596822	3561.838168164046	3510.90578426232	3511.960767705747	70.7207344318492	65.98005169403278
22	316	233122	-357081.1413	1002929.3170250766	36.91550470297133	-102.0661908	236785.9485725258	4398575.6121659592	3654.57105630015	3560.1924084485156	3510.214030420772	3511.2517027498926	70.7207344318492	65.98005169403278
23	316	233123	-356421.1413	1002929.3170250766	36.9155291556684	-102.063845	236987.916891949	4398570.19204848	3657.160241044337	3558.418273180578	3509.21342713646	3509.21342713646	70.7207344318492	65.98005169403278
24	316	233124	-355761.1413	1002929.3170250766	36.915553550525054	-102.0615087	237187.2877590605	4398568.324789265	3656.562751938988	3507.630672896731	3508.7440073177113	3508.7440073177113	70.7207344318492	65.98005169403278
25	316	233125	-355101.1413	1002929.3170250766	36.91557791330669	-102.0591676	237388.3823690487	4398564.17656402	3663.686726204035	3554.901253123686	3506.538860322726	3507.7626349864244	70.7207344318492	65.98005169403278
26	316	233126	-354441.1413	1002929.3170250766	36.91560226298506	-102.0568266	237589.4747831974	4398560.02836011	3666.734101406093	3553.186621	3505.460266242996	3507.717462780992	70.7207344318492	65.98005169403278
27	316	233127	-353781.1413	1002929.3170250766	36.9156264067925	-102.0544855	237790.5725968027	4398558.88072441	3670.871562310003	3551.483018720808	3504.389766273834	3505.79914234297404	70.7207344318492	65.98005169403278
28	316	233128	-353121.1413	1002929.3170250766	36.91565071671489	-102.0521444	237991.6750682624	4398551.7331188	3676.109283045407	3549.80129246498	3503.284869622517	3506.814652338045	70.7207344318492	65.98005169403278
29	316	233129	-352461.1413	1002929.3170250766	36.9156748933676	-102.0498315	238192.7618454089	4398547.548584844	3681.347083770577	3548.1380236178517	3502.190224796517	3505.99518	70.7207344318492	65.98005169403278
30	316	233130	-351801.1413	1002929.3170250766	36.9156990240131	-102.0474623	238393.8560806668	4398543.87439265	3688.58472456101	3547.50072919967	3501.086205810124	3505.163211009634	70.7207344318492	65.98005169403278
31	316	233131	-351141.1413	1002929.3170250766	36.91572311293265	-102.0451212	238594.5901568226	4398539.291863796	3691.527596948234	3544.886337169597	3499.673033999122	3503.9906726807033	70.7207344318492	65.98005169403278
32	316	233132	-350481.1413	1002929.3170250766	36.91574715458938	-102.0427801	238796.04387416475	4398535.145	3696.176754539273	3543.296767427827	3497.6867759519864	3503.2796872477827	70.7207344318492	65.98005169403278
33	316	233133	-349821.1413	1002929.3170250766	36.9157711502341	-102.040439	238997.1373238252	4398530.99879105	3700.824569590294	3541.7324212	3495.440419439925	3502.68860334484	70.7207344318492	65.98005169403278
34	316	233134	-349161.1413	1002929.3170250766	36.9157951022347	-102.0380979	239198.2305339957	4398525.65290604	3702.16716043114	3540.138260936936	3492.9306140311774	3502.166290394704	70.7207344318492	65.98005169403278
35	316	233135	-348501.1413	1002929.3170250766	36.91581906625317	-102.0357658	239399.32347510752	4398522.76862829	3707.58387612599	3538.881841778674	3490.404737118392	3501.54750202129	70.7207344318492	65.98005169403278
36	316	233136	-347841.1413	1002929.3170250766	36.91584384454851	-102.0334517	239590.41651580427	4398518.156809755	3707.160241044337	3537.196702155813	3488.2211342713646	3501.54750202129	70.7207344318492	65.98005169403278
37	316	233137	-347181.1413	1002929.3170250766	36.915868253285	-102.0310747	239801.5085823762	4398514.115374347	3708.766316962675	3535.788891831086	3485.82288103982	3500.8873581881005	70.7207344318492	65.98005169403278
38	316	233138	-346521.1413	1002929.3170250766	36.9158904545186	-102.0287336	240002.6007337706	4398510.270091665	3710.3302981071	3534.3085407765717	3483.539687587167	3498.83717943614	70.7207344318492	65.98005169403278
39	316	233139	-345861.1413	1002929.3170250766	36.91591417994884	-102.0263925	240203.6926648927	4398506.12503426	3705.318818417445	3532.905640875041	3481.4551015526671	3485.82288103982	70.7207344318492	65.98005169403278
40	316	233140	-345201.1413	1002929.3170250766	36.91593789822864	-102.0240514	240404.7841880788	4398501.98022074	3703.7539882571964	3531.5298453897885	3479.529914046466	3494.267736291425	70.7207344318492	65.98005169403278
41	316	233141	-344541.1413	1002929.3170250766	36.91596194447383	-102.0217103	240605.875172565	4398497.83602547	3702.189183781586	3530.18769381586	3478.9314784083953	3482.6068334929	70.7207344318492	65.98005169403278
42	316	233142	-343881.1413	1002929.3170250766	36.91598508	-102.0193687	240806.9665854728	4398493.61277286	3700.624388499934	3528.857572171632	3476.2982737553136	3484.0748526980425	70.7207344318492	65.98005169403278
43	316	233143	-343221.1413	1002929.3170250766	36.9160092105684	-102.0170269	241006.4165322027	4398489.68687757	3700.624388499934	3528.857572171632	3476.2982737553136	3484.0748526980425	70.7207344318492	65.98005169403278
44	316	233144	-342561.1413	1002929.3170250766	36.9160321708801	-102.0148372	241209.1453653695	4398483.40116094	3700.624388499934	3528.857572171632	3476.2982737553136</			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BR ElevLogs.kg	BR ElevBoth.kg	SatHtLogs.ft	SatHtBoth.ft
127	316	23227	-28781.1413	1002929.3170250766	36.617284829069674	-101.8203706	25889.7792514509	43891.4250020841	3669.9731065555034	3818.1984688991235	3342.224867080502	73.919616268889	75.97361989026165
128	316	23228	-28721.1413	1002929.3170250766	36.61784459035084	-101.8182024	25890.867709119	43891.3812536993	3667.32529034944	3417.1751794619536	3342.4710640417297	74.7041542022384	76.11665975
129	316	23229	-28661.1413	1002929.3170250766	36.61786425240538	-101.8166883	25890.396677238	43891.3400758035	3664.67751514385	3416.154197	3340.36933631121	75.2904350956087	76.28040560687
130	316	23230	-28580.1413	1002929.3170250766	36.61788354832075	-101.813347	25892.0060177926	43891.3673679695	3663.039039484	3415.074831429348	3338.2694331521357	75.80054827	76.58634048
131	316	23231	-28514.1413	1002929.3170250766	36.61790341923383	-101.8110057	25893.0751294233	43891.255227668	3659.66871264334	3413.968682181732	3337.206521835067	77.70628514567752	76.7903604667026
132	316	23232	-28448.1413	1002929.3170250766	36.61792238407865	-101.8086645	25894.1440028528	43891.2162825941	3657.648443	3412.89964507673	3334.31861210487	78.85138755	75.9334966748249
133	316	23233	-28382.1413	1002929.3170250766	36.617942412355035	-101.8062323	259105.2126382017	43891.17505	3655.60991587344	3411.7813901315844	3332.46902733742	79.32126276	76.2804203649822
134	316	23234	-28316.1413	1002929.3170250766	36.61796184	-101.803821	25936.28103575966	43891.1381121373	3653.571387449084	3410.63935557376	3330.5957490458565	83.541965712177	76.4898643959889
135	316	23235	-28250.1413	1002929.3170250766	36.6179812546663	-101.8016408	25967.34819570715	43891.0978784617	3652.56296	3409.4730610554	3328.7381489272384	83.5318279112714	76.7389661330575
136	316	23236	-28184.1413	1002929.3170250766	36.6180055628483	-101.799296	25970.48117142806	43891.0513485496	3652.548571739124	3408.282142919535	3327.05139114043	83.530762874203	76.6314520521517
137	316	23237	-28118.1413	1002929.3170250766	36.6180185857422	-101.796584	25989.4480358897	43891.0112	3652.6062759819514	3407.065707819514	3325.6815768063	83.842167040386	76.31850503
138	316	23238	-28052.1413	1002929.3170250766	36.6180391306649	-101.7946172	260110.55225193725	43890.9849534	3652.6279420181527	3405.82450975828	3324.721555598257	81.10599537302162	68.5042234396115
139	316	23239	-27986.1413	1002929.3170250766	36.61805830627162	-101.7922759	260311.6194367741	43890.967155913	3652.086755682174	3404.5665008343035	3322.4726987	80.28951375231367	68.98688094975944
140	316	23240	-27920.1413	1002929.3170250766	36.61807746329646	-101.7899347	260512.68643847678	43890.9645032365	3650.983260328832	3403.28911660356	3323.965055	81.36821663260387	79.324061132601
141	316	23241	-27854.1413	1002929.3170250766	36.61809657576046	-101.7879395	260713.371710827	43890.9452315459	3648.878534889848	3402.0198077297074	3323.729740701502	82.0091390566221	80.9605176117305
142	316	23242	-27788.1413	1002929.3170250766	36.6181154264611	-101.7855252	260914.8196795196	43890.9041498432	3648.71443050063	3400.961090331267	3323.370830142997	83.068138290053	77.59026019612702
143	316	23243	-27721.1413	1002929.3170250766	36.61813466434051	-101.782911	261115.8895499263	43890.8718061967	3647.320645021556	3400.48326887382	3322.659472102326	83.599166102177	77.82378478262046
144	316	23244	-27656.1413	1002929.3170250766	36.61815346078961	-101.7805697	261316.9519757099	43890.8725806793	3645.64158113063	3400.1518164247836	3321.716357157766	83.6343459089084	77.8547502670155
145	316	23245	-27590.1413	1002929.3170250766	36.618172572011396	-101.7782285	261518.01771877874	43890.8637882055	3643.96209658957	3399.8201458608155	3320.5406187733767	83.7396332308683	79.2952709
146	316	23246	-27524.1413	1002929.3170250766	36.61819145800584	-101.7758873	261719.08333170152	43890.860137130145	3642.19997438089	3399.470627801718	3319.220820040693	83.728745172182395	80.0137390863937
147	316	23247	-27458.1413	1002929.3170250766	36.6182102897728	-101.773546	261920.1487	43890.8796048935	3640.84621173672	3398.098004558814	3318.038719126265	83.782012464269	81.0185624352481
148	316	23248	-27392.1413	1002929.3170250766	36.61822903431248	-101.7712048	262120.21374614164	43890.857630581	3638.854585175707	3396.704400940373	3317.529552420491	83.7744778632228	79.56950816
149	316	23249	-27326.1413	1002929.3170250766	36.6182478052484	-101.7684273	262306.1055530975	43890.841556234473	3638.555623449696	3395.258450510057	3316.7281933163292	83.758148274256	80.155379178923
150	316	23250	-27260.1413	1002929.3170250766	36.61826549703034	-101.7656223	262523.3423216811	43890.84743630004	3637.873457460554	3397.030258238755	3317.978149040392	83.7220856347914	81.8600587234627
151	316	23251	-27194.1413	1002929.3170250766	36.6182825056641	-101.764181	262724.4076078193	43890.8437717812	3637.0322776221977	3397.3702013074317	3309.976394942918	83.719287137373	83.73903836
152	316	23252	-27128.1413	1002929.3170250766	36.618303824195976	-101.7618398	262925.4717599637	43890.83197380247	3636.250550320111	3396.87358041093	3308.106610223873	83.7126075720462	88.7704781721967
153	316	23253	-27062.1413	1002929.3170250766	36.61832233935789	-101.7594985	263126.53567815945	43890.8216251593	3635.497873774315	3396.3608374617297	3306.480249660917	83.70192741391502	85.431960705083
154	316	23254	-26996.1413	1002929.3170250766	36.61834091777219	-101.7571573	263327.5993626547	43890.80959277584	3634.745196434751	3395.8210376505896	3304.8130161043514	83.698913749234503	91.00802155073825
155	316	23255	-26930.1413	1002929.3170250766	36.618359768971882	-101.754816	263528.2680139675	43890.8004666207	3633.826456666207	3395.258450510057	3303.778698976535	83.6716414845425222	87.80320948
156	316	23256	-26864.1413	1002929.3170250766	36.6183787853771	-101.7524748	263729.72031788	43890.79227380138	3632.7187020890231	3394.67348280029	3302.71861339690262	83.6753890517967	87.8753890517967
157	316	23257	-26798.1413	1002929.3170250766	36.61839621882887	-101.7501335	263930.7890176013	43890.818604	3629.550761656974	3394.069878284895	3308.920654670345	83.60087925	87.8790533805744
158	316	23258	-26732.1413	1002929.3170250766	36.61841456219225	-101.7477923	264131.8517637171	43890.81428572034	3627.62371371397614	3393.439337	3306.731373967014	83.5719665832495	87.9179665832495
159	316	23259	-26666.1413	1002929.3170250766	36.6184328602777	-101.745451	264332.9142868334	43890.80367986	3626.2466837119	3392.790043133448	3304.4936352	83.5644227077435	88.2963904092787
160	316	23260	-26601.1413	1002929.3170250766	36.618451113045376	-101.7431098	264533.97673536	43890.805240769	3625.013373781583	3392.1189407615436	3302.179411289874	83.55043626707899	89.932941166935
161	316	23261	-26534.1413	1002929.3170250766	36.6184692062431	-101.7407686	264738.0273794675	43890.8013506582	3624.5985828903176	3391.482032483376	3308.65956627165	83.5481231382866	89.7716658321277155
162	316	23262	-26468.1413	1002929.3170250766	36.6184874629715	-101.7384273	264936.1055530975	43890.8015421743	3623.70723849178	3390.7141198744143	3307.020900449718	83.5391182774256	90.155379178923
163	316	23263	-26402.1413	1002929.3170250766	36.61850506010003	-101.736098	265137.1621403836	43890.8039309326	3620.08407067532	3389.186791473216	3306.34784489857	83.5296127909552	77.4941773274223
164	316	23264	-26336.1413	1002929.3170250766	36.61852367199592	-101.7337447	265338.224997245	43890.807662364	3615.55786203061	3389.2315212527037	3304.817051593903	83.5434856675474	74.52440053150077
165	316	23265	-26270.1413	1002929.3170250766	36.61854168666738	-101.7314035	265539.2846271886	43890.8056957617	3607.026975	3388.462132547786	3307.627232661836	83.51607847833076	88.8559898985949
166	316	23266	-26204.1413	1002929.3170250766	36.61855968010358	-101.7290622	265740.3455234343	43890.815	3600.4962625377193	3387.674045051335	3307.7117161	83.5189176314037	90.96228411996162
167	316	23267	-26138.1413	1002929.3170250766	36.6185771631526	-101.7267209	265941.480186661	43890.8143770972	3595.874712853927	3386.861412853927	3305.9127027390455	83.5043626707439	93.932941166935
168	316	23268	-26072.1413	1002929.3170250766	36.6185955729682	-101.7243797	266142.4604623073	43890.8173043063	3593.16251247373	3386.042953204545	3307.3774791445645	83.498763830307	91.16654378158907
169	316	23269	-26006.1413	1002929.3170250766	36.61861395707681	-101.7219718	266348.2680139675	43890.810923207	3592.0849123207	3385.129491482873	3306.278448297316	83.491049123207	93.932941166935
170	316	23270	-25940.1413	1002929.3170250766	36.61863115358136	-101.7196771	266544.58800331	43890.807903015	3587.773674420234	3384.237819473216	3305.1429262548	83.4921384489857	90.5946127909552
171	316	23271	-25874.1413	1002929.3170250766	36.61864891	-101.7173559	266745.6465345616	43890.80672	3585.888272432638	3383.466902542238	3307.2125306982836	83.48870294439006	91.12329284042223
172	316	23272	-25808.1413	1002929.3170250766	36.61866718950975	-101.7150146	266946.7060568217	43890.80567149299	3584.91015638415	3382.57376652556	3307.632872151444	83.4853539301161	96.9782310886491
173	316	23273	-25742.1413	1002929.3170250766	36.61868624879335	-101.7126733	267147.76530497128	43890.8074257199	3583.91398933856	3381.682598815856	3306.762231220084	83.4825218585139	99.16040140022641
174	316	23274	-25676.1413	1002929.3170250766	36.61870190340735	-101.7103321	267348.3429942002	43890.8081811848	3582.92677206719	3380.7804897500578	3306.9129341626992	83.47937016239693	101.0783347608847
175	316	23275	-25610.1413	1002929.3170250766	36.61871948	-101.707							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	WLL	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
23	23333	-204621.1413		1002927.3170250766	36.191995092861442	-01.5253681	283231.781995822	4388624.305361497	314.979879807054	328.521407509005	3153.4764	3153.46494730277	315.0450071748446	135.0564602
254	316	23334	-203961.1413	1002927.3170250766	36.19199442956358	-01.5230268	283432.8233519114	4388620.209562298	3241.600061502265	328.63895932499	3152.0651805536319	3151.9297433867125	314.5736787307678	134.70111545698664
255	316	23335	-203931.1413	1002927.3170250766	36.191997886937152	-01.5206854	283533.904526611296	4388616.112971042	3243.5806377081058	328.71479488757	3150.892981708224	3150.8357456718037	313.933458179102318	134.185019102318
256	316	23336	-202641.1413	1002927.3170250766	36.19199279655382	-01.5183441	283834.90542566613	4388610.1170127322	3248.1905502621465	314.835513240609	314.935513240609	313.7424729404713	313.75003546780243	133.75003546780243
257	316	23337	-201981.1413	1002927.3170250766	36.19200662205284	-01.5160027	284035.306437474626	4388607.914266333	3430.374748163929	328.9140316722446	314.81789717464044	314.747925251128064	312.7605905284022	132.9885046962044
258	316	23338	-201321.1413	1002927.3170250766	36.192020482525845	-01.5136614	284236.986649576796	4388603.82960343	3423.564417760629	328.7804710215138	314.8586705552554	314.6545450081224	313.1183347258493	132.4424941701633
259	316	23339	-200661.1413	1002927.3170250766	36.19203042561444	-01.511132	284438.026843395	4388599.7309193015	3434.3082429306417	327.059280975821	314.43084297508272	312.75085003527826	313.87189911359364	131.87189911359364
260	316	23340	-200001.1413	1002927.3170250766	36.192044798747416	-01.5089786	284539.907262562	4388593.636999362	3436.491191967701	327.513298480629	314.2740659231474	314.45415612417614	312.7476958748143	130.5713046830147
261	316	23341	-199341.1413	1002927.3170250766	36.192058167210187	-01.5068673	284640.1089	4388591.541245954	3438.308636286852	327.2064554078633	314.1063554231403	314.16536250701	312.7410929606258	128.7410929606258
262	316	23342	-198681.1413	1002927.3170250766	36.1920707311408574	-01.5042459	285041.14655400015	4388587.44678027	3440.26983290289	313.7912855340896	313.9455676219597	3141.50369201689	311.88639717928092	127.7781633920282
263	316	23343	-198021.1413	1002927.3170250766	36.192083885664275	-01.5015456	285242.1860020339	4388583.354274043	3440.083438098238	326.9357680397477	313.71717283383237	314.0012498197277	314.6114847	129.3175182001797
264	316	23344	-197361.1413	1002927.3170250766	36.192100454598914	-01.4996132	285443.2252	4388579.25842991	3437.8253720131424	326.74378112502013	313.86707261239237	313.867405555277	310.6305496227578	129.7907156942057
265	316	23345	-196701.1413	1002927.3170250766	36.19211595830247	-01.4972718	285644.266443431	4388575.16460985	3435.567059419278	313.85134630728776	313.7765009339376	310.6544578439613	127.8540855124604	127.8540855124604
266	316	23346	-196041.1413	1002927.3170250766	36.19212914776494	-01.4949305	285845.3038649519	4388571.07101529	3433.303389649516	326.6203635456293	313.8778644460455	313.3663177954045	127.2399108517448	126.7394579097897
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268	316	23348	-194721.1413	1002927.3170250766	36.19215619802642	-01.4902477	286247.3087078771	4388562.8840409	3428.771958411368	325.9704441140753	313.6109890705829	313.618157772275	128.107583602465	122.96527354180034
269	316	23349	-194061.1413	1002927.3170250766	36.19216952080542	-01.4879064	286448.1418263566	4388558.791587211	3426.512722512875	325.975900552082	313.9016117622666	313.92922551032347	126.9478738981537	118.8642078414726
270	316	23349	-193401.1413	1002927.3170250766	36.19218218735322	-01.485565	286649.456233775	4388554.69898614	3424.24825018143	325.5795939061223	313.7120252734915	314.373525555514	126.7547711712027	112.5967383006812
271	316	23349	-192741.1413	1002927.3170250766	36.19219013666979	-01.4832236	286850.494003671	4388546.60430973	3422.710964331582	325.40803874874264	313.7212719295156	313.458386277614	121.9081648227230	117.62199150981245
272	316	23349	-192081.1413	1002927.3170250766	36.192202917755054	-01.4808823	287051.531559445	4388546.514	3421.900285815769	325.189022387698	313.2353636712723	313.77676524707	120.4513665022732	120.4513665022732
273	316	23349	-191421.1413	1002927.3170250766	36.1922223690909	-01.4784909	287252.568980156	4388542.42177797	3421.090768	325.2030276624262	313.941961872422428	312.873105133999748	121.92892241905666	121.92892241905666
274	316	23349	-190761.1413	1002927.3170250766	36.19223546621718	-01.4761995	287453.6004338674	4388538.33039017	3420.2666952163313	314.824340108586	313.7097006515394	312.7583903219697	114.3253647705436	122.6347103683473
275	316	23349	-190121.1413	1002927.3170250766	36.19224859611193	-01.4743422	287649.104246517	4388541.06963187	3418.42489243678	325.81924542036	312.4408319864072	313.1682928604072	113.614170002329	118.614170002329
276	316	23349	-189441.1413	1002927.3170250766	36.19226151373315	-01.471518	287855.679332777	4388530.17419394	3412.801976397298	324.49196972986	312.659567603255	312.6226924473654	102.0224022059554	121.902725493321
277	316	23349	-188781.1413	1002927.3170250766	36.1922744771719	-01.4691754	288056.7162053784	4388526.05638149	3408.092384108376	314.908236138678	314.613467336937	312.3204286467059	96.7018905201474	119.6160921028174
278	316	23349	-188121.1413	1002927.3170250766	36.19228730408976	-01.466834	288257.7520593247	4388521.95496782	3403.188635753146	324.0888276155543	315.04449494989	312.9034351567143	95.0438776	111.9544324584807
279	316	23349	-187461.1413	1002927.3170250766	36.19230036874785	-01.4644928	288458.7886053495	4388518.1785	3399.64128254304	323.915047490437	315.0256660261484	314.703067986656	83.9000887822362	94.4474087180544
280	316	23349	-186801.1413	1002927.3170250766	36.19231306110906	-01.4621513	288659.824934604	4388513.78440466	3396.857296395845	323.72915202803	314.888834896602	315.57207609502293	82.2426833842272	81.60839170785387
281	316	23349	-186141.1413	1002927.3170250766	36.19232589611193	-01.4598498	288860.80474253	4388509.98197218	3394.07214589617	323.591788177891	313.7521248923683	315.891097569527	80.3881029765527	79.3881029765527
282	316	23349	-185481.1413	1002927.3170250766	36.192338592374	-01.4574689	289051.6645789158	4388504.251509	3391.623247753015	324.116971753015	313.61821248923683	312.491577758143	78.11821248923683	77.11821248923683
283	316	23349	-184821.1413	1002927.3170250766	36.1923503129042307	-01.4551271	289262.39030142533	4388501.51459525	3388.03584110339	323.75159903077	311.89672959841	314.616916967876	76.833063046676	76.833063046676
284	316	23349	-184161.1413	1002927.3170250766	36.192363063431294	-01.4527857	289463.9659737143	4388507.44292527	3381.373688099675	311.949823419862	311.949823419862	311.949823419862	71.07292307223125	71.07292307223125
285	316	23349	-183501.1413	1002927.3170250766	36.19237653380798	-01.4504444	289650.006264816	4388493.35624703	3380.59682	320.02403395799	311.483573431612	311.404683690905	70.544703	70.544703
286	316	23349	-182841.1413	1002927.3170250766	36.1923908765301	-01.448103	289866.034727617	4388489.2465848	3376.873170304241	322.684573172366	311.8432361565083	311.8432361565083	69.15741656034611	69.15741656034611
287	316	23349	-182181.1413	1002927.3170250766	36.192401596246618	-01.4458716	290067.0689176075	4388485.19562589	3373.153972	321.96113684073	311.73176217450506	311.73176217450506	67.117342710264206	67.117342710264206
288	316	23349	-181521.1413	1002927.3170250766	36.19241409554304	-01.4434202	290268.1306284891	4388479.78909131	3369.42489243678	322.019108454026	311.62408319864072	313.1682928604072	65.114170002329	65.114170002329
289	316	23349	-180861.1413	1002927.3170250766	36.19242647780446	-01.4410788	290469.13287467157	4388475.98062891	3365.69693832356	322.69134704101	311.506169277597	312.7583903219697	63.11851653736623	63.11851653736623
290	316	23349	-180201.1413	1002927.3170250766	36.19243885072283	-01.4387374	290670.127097016	4388472.8942573	3361.97247120594	322.366856177213	311.77774642508	311.869645171216	61.5891071525125	61.5891071525125
291	316	23349	-179541.1413	1002927.3170250766	36.19245117840943	-01.4363961	290871.20571399364	4388468.05438115	3357.035802437033	322.240591805417	311.977031773554	312.1829672750617	60.8472197250617	60.8472197250617
292	316	23349	-178881.1413	1002927.3170250766	36.1924634068643	-01.4340547	291072.291256743	4388464.716810011	3352.88935	320.728613	310.870980456733	311.63403881237	59.64652395188675	59.64652395188675
293	316	23349	-178221.1413	1002927.3170250766	36.1924759808744	-01.4317133	291273.2723231056	4388460.639310856	3348.764536508418	321.9154023608826	311.907711994429	311.032091059284	58.5038301245379	58.5038301245379
294	316	23349	-177561.1413	1002927.3170250766	36.192487890078755	-01.4293719	291474.3053140644	4388456.542	3346.597296307465	321.8110466	310.643254397525	310.3912635399883	57.41425893074	57.41425893074
295	316	23349	-176901.1413	1002927.3170250766	36.192499554304	-01.4270262	291675.1409554304	4388452.454896934	3344.42489243678	321.62408319864072	310.42408319864072	310.42408319864072	55.114170002329	55.114170002329
296	316	23349	-176241.1413	1002927.3170250766	36.192505124	-01.4246891	291876.307724058	4388448.936817198	3342.41578351636	321.4525630734197	310.274660239321	310.837367	54.71246901347968	54.71246901347968
297	316	23349	-175581.1413	1002927.31702507										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVtoKgr.ft	BRELEVtoKgr.ft	SatHtoKgr.ft	SatThtoKgr.ft
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330	323480	-120801.1413	10029297.3170250766	36.62367196807278	-101.228009	30872.3999914565	4388105.87976003	3240.700451344699	3088.095411856114	3015.7727259625656	3013.32099717336817	82.32669526965838	84.77420122342328	
331	323481	-120141.1413	10029297.3170250766	36.6215434351678	-101.251664	30853.4189615312	4388101.81289727	3238.736819353458	3084.61489811915	3010.231628786452	3008.1432651915	86.6425079186727	90.9207132892795	
332	323482	-119481.1413	10029297.3170250766	36.62133655062656	-101.223327	309168.7417420038	4388097.74639077	3232.76967594144	3095.681184889014	3009.051227065018	3007.11643465020437	83.6791639639637	86.92691426440033	
333	323483	-118821.1413	10029297.3170250766	36.621391821339684	-101.220985	309365.4473403703	4388093.671451691	3232.743722849214	3094.5320238466747	3003.2142539335196	3002.247140181785	91.3176991315519	92.28483698946929	
334	323484	-118161.1413	10029297.3170250766	36.62130994233654	-101.218441	309566.4627502379	4388091.74417228	3236.65894053957	3093.3949413689475	3001.12890848939	3000.78762624702	92.26603252	94.51711151214255	
335	323485	-117501.1413	10029297.3170250766	36.62140081819381	-101.2163026	309767.4779740115	4388085.64364074	3240.57145805899	3092.268988130574	2999.3523267540827	2989.172512219286	92.9166438	93.0398109200958	
336	323486	-116841.1413	10029297.3170250766	36.62141604870385	-101.2139812	309968.4930118068	4388081.475993626	3244.4893756634424	3091.149765747503	2997.7468419178963	2993.415622	93.4023923	93.7371452790728	
337	323487	-116191.1413	10029297.3170250766	36.62142404611338	-101.2116197	310169.5076041068	4388079.4107177127	3246.374068928628	3090.3478747877037	2996.483898269653	2991.5126564961	93.8589891	94.863504258174	
338	323488	-115521.1413	10029297.3170250766	36.62143197422771	-101.2092783	310370.5225306284	4388073.346724111	3248.228240146959	3088.9225789707304	2994.5795254037905	2994.215320523926	94.34324852982383	95.7217558083737	
339	323489	-114861.1413	10029297.3170250766	36.62143869098396	-101.2069388	310571.5307122854	4388069.278496248	3248.082410601055	3087.812454302188	2993.095195386207	2975.881764850403	94.71294918932807	95.113068057981554	
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341	323491	-113541.1413	10029297.3170250766	36.62145552	-101.2022538	310973.565420163	4388051.3271725065	3245.200425077163	3085.2012053218383	2990.4338656722871	2972.568167	95.16733964958121	95.713303817717824	
342	323492	-112881.1413	10029297.3170250766	36.62146322323504	-101.1999125	311174.5793470992	4388067.08252674	3245.112935570986	3084.501249129878	2989.281448916415	2970.790668290505	95.2198549697579	95.72222803938286	
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418	323518	-95721.1413	10029297.3170250766	36.62164914739658	-101.1390346	316400.8740774895	4379781.46236882	3230.8714714108005	3057.7269665430044	2960.4561820762274	2962.62771	97.92413476813381	97.92413476813381	
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422	323522	-93081.1413	10029297.3170250766	36.6216753203809	-101.129667	317204.9124	4379753.21059035	3228.698077045076	3053.915385397975	2960.0750559482	2960.0750559482	97.92413476813381	97.92413476813381	
423	323523	-92421.1413	10029297.3170250766	36.6216813807542	-101.1273273	317405.9027165489	4379731.12267091	3227.7082214027873	3052.966679	2959.85076051639	2959.85076051639	97.92413476813381	97.92413476813381	
424	323524	-91761.1413	10029297.3170250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.	BRElevBothKrg.	SatElevLogs.ft	SatBothKrg.
505	316	236605	-3801.14133	100297.3170250766	36.220248715787386	-100.935326	333888.0148829598	438759.161245397	3038.7488995932943	2922.759011291126	2869.7662591543317	2855.338796131815	52.99772513678993	67.42021515930674
506	316	236606	-3764.14133	100297.3170250766	36.2205131824486	-100.932945	334089.0910249775	438759.121625255	3035.59359111419	2921.156485708743	2868.5900812867743	2852.159434640658	52.9740444046586	68.99713905891098
507	316	236607	-3696.14133	100297.3170250766	36.2205387546768	-100.93006	334290.937146652	438759.062292909	3032.387949714001	2919.628345684927	2867.485314147423	2849.376870097474	52.9585032380449	70.17848458808357
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509	316	236609	-3566.14133	100297.3170250766	36.22058824208625	-100.92596	334691.9906230566	438759.004180172	3025.8753089531167	2916.3272530145973	2865.017943337895	2850.7461947004635	51.30930965670226	65.8105831431377
510	316	236610	-3501.14133	100297.3170250766	36.22061275726814	-100.9236185	334892.9840647234	438759.963538216	3022.620008	2914.702943619784	2864.7801307187252	2852.269351734869	50.7302149072652	62.43899762710053
511	316	236611	-3434.14133	100297.3170250766	36.2206326010314	-100.921277	335093.9773019976	438759.748882816	3016.188354868196	2913.086404868196	2862.926135162764	2853.7118956598056	50.16030596455586	59.37454518719096
512	316	236612	-3368.14133	100297.3170250766	36.2206598305861	-100.918935	335294.9710937309	438759.708805923	3008.581871774697	2911.458545687658	2861.7394064023995	2854.727193679287	49.71906594731121	56.711229790371344
513	316	236613	-3302.14133	100297.3170250766	36.2206856897222	-100.9165841	335495.9641975227	438759.665529765	2998.4975107689256	2909.824911353814	2860.452433817423	2847.2367640244506	49.38296777217857	54.57670249846348
514	316	236614	-3236.14133	100297.3170250766	36.2207059450596	-100.9142526	335696.95417478216	438759.62172366	2987.368345613925	2908.14719856137	2859.36102259076	2855.5747424398104	48.6269774163743	52.8589774163743
515	316	236615	-3170.14133	100297.3170250766	36.2207270479481	-100.9119111	335897.9482675134	438759.57118282	2980.474953115287	2906.37107412001255	2858.3167079416432	2853.671686670258	48.2200370848324	50.60592330996
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517	316	236617	-3038.14133	100297.3170250766	36.22077695977787	-100.9072281	336299.9350191473	438750.78059895	2972.1149159432944	2903.210905310568	2856.190109	2855.0291454119974	47.5948059838545	48.1719898507306
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521	316	236621	-2774.14133	100297.3170250766	36.22084926925375	-100.8978921	337103.9033019485	438753.554185898	2990.855815315982	2896.0468167463	2849.855178466712	2849.949489	46.73554830651924	46.9102174295225
522	316	236622	-2708.14133	100297.3170250766	36.22087005624974	-100.8955206	337304.9049773521	438753.5018	2990.860183696006	2894.55069083131	2848.6620847391014	2849.193273487221	46.8888434420952	45.3577312440022
523	316	236623	-2642.14133	100297.3170250766	36.22088639089675	-100.8931791	337505.8865	438752.4822332002	2992.437394784616	2892.740643348287	2848.024705699001	2848.4848327007044	46.7598973827578	45.2562323
524	316	236624	-2576.14133	100297.3170250766	36.2209042731948	-100.8908377	337706.787553193	438752.24674068	3005.4485747786287	2890.728014937328	2847.6418621299017	2848.05986079816	46.73554830651924	45.2562323
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530	316	236630	-2180.14133	100297.3170250766	36.2210026765026	-100.8767887	338912.8227134523	438749.237891089	3016.59304981572	2876.98034567065	2839.2377516089487	2841.4946406301086	45.23953732607056	44.81717895924098
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538	316	236638	-1652.14133	100297.3170250766	36.2211071286946	-100.8580568	340520.7404791459	438746.951911231	2990.6403123004384	2853.547185	2826.813673333781	2824.899632364326	45.23953732607056	44.81717895924098
539	316	236639	-1586.14133	100297.3170250766	36.221118225755	-100.8557153	340712.72950196534	438746.937592147	2976.0904878773598	2849.590400789347	2825.09230336164	2826.04620629157	45.23953732607056	44.81717895924098
540	316	236640	-1520.14133	100297.3170250766	36.22112870749095	-100.853379	340922.7183709293	438747.90770777	2976.5153038575	2847.569455189345	2824.06332144445	2826.04620629157	45.23953732607056	44.81717895924098
541	316	236641	-1454.14133	100297.3170250766	36.221139628196	-100.8510323	341123.7802652456	438747.879513916	2977.1348928790933	2844.09850595933	2822.0656336726	2823.73837937827	45.23953732607056	44.81717895924098
542	316	236642	-1388.14133	100297.3170250766	36.22114802848	-100.8486908	341234.695641564	438747.84349495	2977.6403510405	2841.6843805783	2820.212568616915	2825.915629397307	45.23953732607056	44.81717895924098
543	316	236643	-1322.14133	100297.3170250766	36.221158904886	-100.8463493	341525.6840534832	438747.81030673	2975.685614253466	2838.79746746137	2818.2641864018	2828.47047676956	45.23953732607056	44.81717895924098
544	316	236644	-1256.14133	100297.3170250766	36.221166925796	-100.8440078	341726.672307459	438747.71888923	2974.123441066184	2835.97291	2816.322263645375	2821.041172400718	45.23953732607056	44.81717895924098
545	316	236645	-1190.14133	100297.3170250766	36.2211753087629	-100.8416663	341927.660881777	438747.70599233	2968.77326400931	2833.907941397	2814.473477683198	2816.91480916388	45.23953732607056	44.81717895924098
546	316	236646	-1124.14133	100297.3170250766	36.221183235732	-100.8393248	342128.648540548	438747.63	2967.3170894769	2832.40064142478	2812.993787853714	2816.572177695918	45.23953732607056	44.81717895924098
547	316	236647	-1058.14133	100297.3170250766	36.2211920395679	-100.8369742	342334.695641564	438747.5913916	2966.47849642924	2831.784532817484	2811.84532817484	2816.572177695918	45.23953732607056	44.81717895924098
548	316	236648	-992.14133	100297.3170250766	36.2212043711068	-100.8346148	342530.628937651	438747.56506008	2955.700309	2825.2009614244	2809.07573836714	2816.572177695918	45.23953732607056	44.81717895924098
549	316	236649	-926.14133	100297.3170250766	36.2212043711068	-100.8323003	342							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BRRElevKgs.f	BRRElevBothKgs.f	SatThoth.f	SatThBoth.f
619	316	23730	4513.85867307335	100297.3170250766	36.62202040035619	-10.6402979	559212.0870166079	4387091.929479429	73.393590381278	272.4071365426707	2699.863071796534	2696.8091796281894	29.24103474810729	32.29555614841336
632	316	23732	4551.85867307335	100297.3170250766	36.62201730321367	-10.6379568	559143.0625809055	4387087.918	283.9630355815337	2726.61650468271	2699.42563534492	2696.370338808191	27.18740259	30.23847073289527
633	316	23734	4617.85867307335	100297.3170250766	36.62201416083635	-10.636615	55914.0380101278	4387085.94761529	284.13026	2724.51674984237	2699.0414892487403	2691.54351154469513	26.148991644496513	27.6135445
634	316	23734	4683.85867307335	100297.3170250766	36.6220197324233	-10.6337735	559151.03304527	438707.8986	281.3017254310537	2721.726431743076	2698.106358156693	2697.244872474734	26.19106565406686	23.95687179834194
635	316	23735	4749.85867307335	100297.3170250766	36.62200774037751	-10.630932	560015.9885	4387075.885	2808.033468483085	2731.5175214263	2697.367139083173	2700.324092700062	21.95434613109006	18.9974821419669
636	316	23736	4815.85867307335	100297.3170250766	36.62200446239596	-10.6285905	560216.9634895307	4387071.874320582	2806.137146805179	2716.947180401524	2696.934262485319	2697.133045750232	20.9127191620497	19.8136365129147
637	316	23737	4881.85867307335	100297.3170250766	36.62200113897967	-10.626249	560471.9388074714	4387067.86397136	2805.925525128485	2714.6019420714355	2696.137789159799	2695.1163203232636	18.04022651377392	19.48917803712857
638	316	23738	4947.85867307335	100297.3170250766	36.62199777	-10.6239075	5606819.913178499	4387063.85361439	2806.914590345131	2712.2855	2696.2352174866025	2695.26820191964254	17.066025654397506	19.00530871584671
639	316	23739	5013.85867307335	100297.3170250766	36.62199435426216	-10.6215661	560819.8776114106	4387059.84	2784.977606765888	2709.9872774586362	2694.698257807456	2693.972561713896	15.998651968594678	16.80002128695699
640	316	23740	5079.85867307335	100297.3170250766	36.6219908762221	-10.6192246	561020.862506207	4387055.83402375	2800.550253072289	2707.73670185406	2694.4786467161065	2692.258490574293	13.2556834042311	15.47002128417969
641	316	23741	5145.85867307335	100297.3170250766	36.6219873336708	-10.6168831	561221.8366071169	4387051.824707086	2796.534263367976	2705.035276133563	2694.1242285181584	2691.2854301798734	11.97009095197344	14.2780234382903
642	316	23742	5211.85867307335	100297.3170250766	36.62198348771125	-10.6145241	561422.8103021131	4387047.815481014	2792.549695168654	2703.2962126459627	2694.2081795204369	2692.778320018703	9.088023744465181	10.51783026308399
643	316	23743	5277.85867307335	100297.3170250766	36.621980249152465	-10.6122001	561623.7880232154	4387043.80643591	2789.14882545549	2701.11471922748	2693.898561515043	2693.767648342802	7.4017420271815727	9.248025781751257
644	316	23744	5343.85867307335	100297.3170250766	36.62197660919309	-10.6095856	561824.7589	4387039.37946954	2786.382171982253	2696.9581469232656	2692.9819102632456	2692.7323606839	5.976615233576922	6.58121579739434
645	316	23745	5409.85867307335	100297.3170250766	36.62197293995048	-10.6075171	562025.3272040193	4387035.789667162	2783.76153248417025	2696.827621851221	2692.9015343056615	2692.098667141186	3.93683309556949	4.728805271046132
646	316	23746	5475.85867307335	100297.3170250766	36.62196919351073	-10.6051757	562226.7064	4387031.78070918	2780.848526847793	2694.723214831474	2694.466530217596	2694.301163546175	0.255684611771604	0.4211812885569549
647	316	23747	5541.85867307335	100297.3170250766	36.62196541706885	-10.6028342	562427.679955021	4387023.75275975	2777.91473390617	2692.642956099494	2691.87289911351	2690.17520449394	0.770091466438158	0.84859116
648	316	23748	5607.85867307335	100297.3170250766	36.6219615970802	-10.6004927	562628.653382612	4387022.764565943	2772.901968592154	2690.590317	2694.9532537266987	2688.156957061098	5.53923193981542	5.53923193981542
649	316	23749	5673.85867307335	100297.3170250766	36.6219577308706	-10.5981512	562829.6268767681	4387019.756679474	2768.5562283457614	2695.267582482601	2694.7843002742814	2693.5082503762481	3.308255502165505	3.62458901058074
650	316	23750	5739.85867307335	100297.3170250766	36.62195381950805	-10.5958097	563030.5986447267	4387015.74949958	2764.151186959413	2686.56450575174	2686.1263865725978	2684.5617021979586	2.41006400317227	2.4209428590550574
651	316	23751	5805.85867307335	100297.3170250766	36.6219498260568	-10.5934682	563231.5727834806	4387012.742253864	2764.5966731471883	2684.024376749804	2684.596336963075	2683.701326699071	1.2321642137980817	1.2321642137980817
652	316	23752	5871.85867307335	100297.3170250766	36.62194581069875	-10.5912268	563432.547808317	4387007.735	2757.761794404034	2682.955150811205	2682.962193662472	2683.341746865927	0.44683145947954	0.44683145947954
653	316	23753	5937.85867307335	100297.3170250766	36.62194186392625	-10.589034	563632.585234096	4387003.28430296	2754.1433365116305	2680.727264718325	2681.0230473026617	2680.4248973026617	0.1180321939211617	0.1180321939211617
654	316	23754	6003.85867307335	100297.3170250766	36.6219377126259	-10.5864438	563833.494	4386997.21852436	2752.172003559197	2678.87373115474	2687.67453225937	2686.007805592819	0.11923405810237	0.85695178725553
655	316	23755	6069.85867307335	100297.3170250766	36.621933584151996	-10.5841023	564035.4637035262	4386995.715	2749.88757945641	2677.036427808257	2686.9437681107138	2686.2954758925837	0.0926965185185	0.80818187828663
656	316	23756	6135.85867307335	100297.3170250766	36.621929401376796	-10.5817608	564236.436083525	4386991.70364497	2748.114268970604	2675.2385667233616	2684.213663125415	2684.5083974744953	0.1024035982013	10.3617948686632
657	316	23757	6201.85867307335	100297.3170250766	36.62192517336701	-10.5794193	564437.40833314755	4386987.703	2746.340976926086	2673.483726190433	2682.72761162578	2682.7637663133	0.12702487708025	10.72047887708025
658	316	23758	6267.85867307335	100297.3170250766	36.621920900112265	-10.5770779	564638.38045340835	4386983.697766894	2744.567666	2671.774643540436	2681.000214485236	2680.9033581373	0.17443011	10.871285136410734
659	316	23759	6333.85867307335	100297.3170250766	36.6219169164384	-10.5747564	564839.32544870135	4386979.5242470135	2742.75328191843	2670.1126383975456	2680.219068391296	2680.11877393376	0.838838179833191	10.96381045086848
660	316	23760	6399.85867307335	100297.3170250766	36.62191271790005	-10.5723949	565097.87065948	438697.787750873	2740.97767750873	2669.739107750873	2679.39157937518	2679.39157937518	0.17703092782247	11.03141937791407
661	316	23761	6465.85867307335	100297.3170250766	36.62190878981966	-10.5700534	565241.296306271	438697.010296227	2739.195102260722	2668.34767086498	2665.563963049249	2665.344041420716	0.17000403724895	11.56672204229575
662	316	23762	6531.85867307335	100297.3170250766	36.6219035479928	-10.5677119	565442.266384733	4386967.67224238	2737.1961424294767	2667.147271908805	2663.751457159173	2663.650649066731	0.1166584179632318	11.70070284207625
663	316	23763	6597.85867307335	100297.3170250766	36.62189855382035	-10.5653705	565643.2911204445	4386963.67266705	2737.826064987657	2663.9451710607013	2662.055104	2661.981304495997	0.118900708851427	11.96413665940167
664	316	23764	6663.85867307335	100297.3170250766	36.621894317030255	-10.563029	565844.2014569485	4386959.68315343	2740.931822778134	2662.519205359162	2660.479126291974	2660.458732439424	12.0571323669398	12.0571323669398
665	316	23765	6729.85867307335	100297.3170250766	36.62188972053375	-10.5606805	566045.181673923	4386955.66158592	2741.975795695897	2661.126525897379	2660.95177759816	2660.95177759816	12.1639917860303	12.1639917860303
666	316	23766	6795.85867307335	100297.3170250766	36.6218850572711	-10.558436	566246.1527615786	4386951.62078341	2740.1433365116305	2659.727264718325	2661.0230473026617	2660.4248973026617	0.1180321939211617	0.1180321939211617
667	316	23767	6861.85867307335	100297.3170250766	36.6218804053751	-10.5560475	566447.1232717186	4386947.65698353	2747.0677408704075	2658.450181329534	2664.1560189014167	2662.19462323567	0.1269169231667	13.4211812003174684
668	316	23768	6927.85867307335	100297.3170250766	36.621875679777894	-10.5536361	566648.09455401276	4386943.65311309	2743.811002545345	2657.155927	2643.2354390062835	2643.0725381132147	0.13024703032151	10.083586993534
669	316	23769	6993.85867307335	100297.3170250766	36.6218708953504	-10.5513216	566849.052568691	4386939.68913057	2742.55120350994	2656.88638344542	2640.95942485964	2640.867297788547	0.1492741348817862	10.51891505904768
670	316	23770	7059.85867307335	100297.3170250766	36.6218660289466	-10.5489801	567050.353853825	4386935.646874173	2739.27846351343	2654.63964120005	2638.268953962416	2638.150039	0.167008724373314	16.4896023302483
671	316	23771	7125.85867307335	100297.3170250766	36.62186213160132	-10.5466386	567251.006285898	4386931.64747995	2738.85926534396	2643.12226311516	2638.452595231547	2638.452595231547	0.838838179833191	16.85629710465691
672	316	23772	7191.85867307335	100297.3170250766	36.62185635073544	-10.544272	567451.976580969	4386927.64150689	2737.695285490475	2652.20327639326	2630.763439383296	2630.763439383296	0.12149683701065424	21.56983867272432
673	316	23773	7257.85867307335	100297.3170250766	36.62185169148384	-10.5419679	567648.15445884	4386923.498154884	2736.424616923475	2650.981897190276	2629.43891897190276	2629.43891897190276	0.1180321939211617	0.1180321939211617
674	316	23774	7323.85867307335	100297.3170250766	36.62184637120105	-10.5396142	567843.1967474035	4386919.637</						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEv.Krg.f	BRELEv.Bth.f	SatHtLog.f	SatHtBth.f
17	3133857	-360831.1413		1000957.3170250766	36.61719458332748	-0102.0779281	235783.7723811838	389798.704549105	3631.5902275941763	3567.8956020389295	3514.227338589431	3513.9682050401093	33.66822174949857	53.9273535
18	3133858	-359721.1413		1000957.3170250766	36.61721925842773	-0102.0756899	235894.8605014795	389794.557262748	3637.8253017472307	3566.0358265927036	3513.054202062764	3512.9743397437701	52.93006752442716	53.06344979200276
19	3133859	-358561.1413		1000957.3170250766	36.61724382561477	-0102.0734582	236105.963620219106	389790.470484584	3642.1679819633681	3554.1840272366263	3512.82682363629	3512.82682363629	52.3284551758994	51.55811446234734
20	3133860	-358401.1413		1000957.3170250766	36.61726847	-0102.0700047	236387.266576798	389786.276620366	3644.6181790527638	3562.340825	3511.799160652764	3511.799097011682	51.54166478650509	50.6308464
21	3133861	-357741.1413		1000957.3170250766	36.61729301360911	-0102.0685636	236588.15592399576	389782.108	3647.0684061515773	3560.508731366254	3509.522782866106	3510.6870677508717	50.88593097964323	48.61893636
22	3133862	-357081.1413		1000957.3170250766	36.61731750812131	-0102.0662225	236789.2553693927	389777.959272719	3649.5186324584543	3558.6909181155927	3508.947818391727	3510.0510565	49.74309973284253	48.6380530135978
23	3133863	-356421.1413		1000957.3170250766	36.61734195741016	-0102.0638813	236990.3511840953	389773.810319896	3652.018079928612	3556.888437071879	3507.6759123141123	3508.792805364423	49.21252475776646	48.09563175465595
24	3133864	-355671.1413		1000957.3170250766	36.617366361475575	-0102.0615402	237191.44873879133	389769.6611994871	3654.5868355959255	3555.102379702836	3506.63662336801	3508.438031367508	48.46575432	46.66407345869619
25	3133865	-355011.1413		1000957.3170250766	36.61739072031754	-0102.0591961	237392.54202319106	389765.513	3657.1185614706963	3553.338672610987	3505.6381533812638	3499.768542681646	47.8947342681646	45.3385228261556
26	3133866	-354441.1413		1000957.3170250766	36.61741510335396	-0102.0568579	237593.675603023	389761.36482313	3651.6847342058	3551.584142687558	3501.5404033799	3507.127894400553	46.983662359529	44.4572532470609
27	3133867	-353781.1413		1000957.3170250766	36.61743893023083	-0102.0545168	237794.7318369329	389762.17678672	3663.472719471003	3549.854280251046	3503.68720541983	3506.244421727218	46.1706148	43.60938412382815
28	3133868	-353121.1413		1000957.3170250766	36.61746532550208	-0102.0521757	237959.82635418625	389763.068973023	3668.531257857743	3548.145121793586	3502.746424739319	3505.343374489962	45.986970542917	42.8017493992615
29	3133869	-352461.1413		1000957.3170250766	36.61748770344969	-0102.0498345	238196.9200689726	389757.838107885	3673.589792644485	3546.457814034549	3502.01127910483	3504.431239272403	45.84458332955653	42.02636531214557
30	3133870	-351801.1413		1000957.3170250766	36.61751183617361	-0102.0474934	238398.01460449482	389747.747028952	3678.648334313222	3544.793545239037	3500.88955038324	3503.643106351769	43.90690529	41.330487792673
31	3133871	-351141.1413		1000957.3170250766	36.61753693286573	-0102.0451523	238598.1084400492	389740.62896544	3684.575201055496	3543.153449842473	3499.779716161524	3502.2637131899587	43.47247326805946	40.88971849481624
32	3133872	-350481.1413		1000957.3170250766	36.61755989626205	-0102.0428111	238800.2011853593	389736.47990378	3691.370395116144	3541.1338548311683	3497.8401967523473	3501.35565465732473	43.6983756282094	40.18291804809545
33	3133873	-349821.1413		1000957.3170250766	36.61758363614537	-0102.040447	239001.29513751063	389732.333319191	3698.165589794059	3539.49639648139	3495.274508	3500.472918	43.6478689539529	39.4766185064599
34	3133874	-349161.1413		1000957.3170250766	36.61760791484316	-0102.0381288	239202.3809804371	389728.187	3704.9607844840052	3538.366827909284	3492.706198897252	3499.523797558783	43.68062901203757	38.8644815311104
35	3133875	-348501.1413		1000957.3170250766	36.61763218147844	-0102.0358787	239403.4808003446	389724.04052913	3707.272828990474	3536.851133738147	3490.057810111559	3498.054493943324	43.7932363	38.1842324842314
36	3133876	-347841.1413		1000957.3170250766	36.6176566282854	-0102.0334465	239604.5732	389719.895	3708.131273626675	3535.342956678129	3487.5851868611257	3497.189105703976	43.76796917003464	38.153809368731604
37	3133877	-347181.1413		1000957.3170250766	36.617679498985225	-0102.0311054	239805.6634318056	389715.7839616	3702.9801630872815	3533.8626035261227	3485.081365523524	3494.682181673969	43.78123800163834	38.16779481879387
38	3133878	-346521.1413		1000957.3170250766	36.61770329917781	-0102.0287462	240006.7535959216	389711.408958764	3702.829612961546	3532.401164152493	3482.7467803726104	3492.85154185229	43.68738378165892	38.5944696043017
39	3133879	-345861.1413		1000957.3170250766	36.61772731442117	-0102.0264231	240212.0137225856	389707.45836192	3698.5142447476843	3532.86456809849	3481.0834050776414	3492.78031144874046	43.69351144874046	38.55888781824021
40	3133880	-345201.1413		1000957.3170250766	36.617750567110624	-0102.0240819	240408.94054560436	389703.31297208	3699.769726102257	3529.58814212137	3478.471331161954	3487.468545765657	43.611681060121	42.994632474989
41	3133881	-344541.1413		1000957.3170250766	36.61777431137074	-0102.0217408	240610.0316025807	389699.1871199735	3699.7602364199324	3528.2173717718874	3476.897721671874	3482.286350244042	43.51399461153055	42.995432277826
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43	3133883	-343221.1413		1000957.3170250766	36.6178214621813	-0102.0170585	241012.2134718583	389690.879097438	3697.739642921702	3525.504563221702	3473.745028628064	3477.40984865198	43.51682290468056	42.9655729923034
44	3133884	-342561.1413		1000957.3170250766	36.617844945803636	-0102.0147173	241213.303346892	389686.734827179	3695.44857348773	3524.25040741498056	3472.3440885831656	3474.277728070642	43.51682290468056	42.9655729923034
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46	3133886	-341241.1413		1000957.3170250766	36.617891809365	-0102.0100735	241615.4389730565	389678.4457522167	3685.40146537737	3521.9142271397	3469.854772211924	3468.928273852475	43.51682290468056	42.9655729923034
47	3133887	-340581.1413		1000957.3170250766	36.61791571732204	-0102.0076938	241816.57316101334	389670.370374684	3680.57992524969	3520.4308869113	3464.1367117705163	3466.5703973353783	43.51682290468056	42.9655729923034
48	3133888	-339921.1413		1000957.3170250766	36.61793849190983	-0102.0053526	242017.6625527977	389670.160552967	3675.04952547029	3519.160147853622	3460.0526554496873	3464.582418969297	43.51682290468056	42.9655729923034
49	3133889	-339261.1413		1000957.3170250766	36.61796176537463	-0102.0030115	242218.7516330046	389666.017	3669.51921803657	3517.86113297467	3455.953826474684	3463.2971218596	43.51682290468056	42.9655729923034
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51	3133891	-337941.1413		1000957.3170250766	36.61800817653033	-0101.9983291	242620.9259804833	389657.73114458	3658.23965085554	3515.78659498451	3448.1934462618	3462.541832039717	43.51682290468056	42.9655729923034
52	3133892	-337281.1413		1000957.3170250766	36.61803213442117	-0101.995869	242822.01429897	389650.58976272	3652.27191410897	3513.31389549647	3446.083050776414	3460.7830517614	43.51682290468056	42.9655729923034
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54	3133894	-335961.1413		1000957.3170250766	36.61807745322514	-0101.9913056	243224.193354495	389645.306	3626.334604738965	3511.0686901567424	3442.732787025316	3471.980347748767	43.51682290468056	42.9655729923034
55	3133895	-335301.1413		1000957.3170250766	36.6181004564487	-0101.9889645	243425.2803549632	389641.16408692	3619.01544534879	3509.750838556877	3442.9742596509786	3473.5232900276	43.51682290468056	42.9655729923034
56	3133896	-334641.1413		1000957.3170250766	36.6181243133651	-0101.9866223	243626.3862569462	389637.02469012	3614.3411914074424	3508.39419678149	3444.7723994163	3463.0869954353287	43.51682290468056	42.9655729923034
57	3133897	-333981.1413		1000957.3170250766	36.6181463200313	-0101.9842821	243827.45536079	389632.88143798	3609.666974769494	3507.06497444794	3446.6304927672077	3465.606767769924	43.51682290468056	42.9655729923034
58	3133898	-333321.1413		1000957.3170250766	36.61816911944478	-0101.9819409	244028.5421559192	389628.7404065	3604.902683512535	3505.745963870587	3445.819378506623	3465.88126067495	43.51682290468056	42.9655729923034
59	3133899	-332661.1413		1000957.3170250766	36.618192416611	-0101.9796188	244232.6277614197	389624.79019243	3602.13026181737	3503.4891739768493	3444.98149345804	3465.88126067495	43.51682290468056	42.9655729923034
60	3133900	-332001.1413		1000957.3170250766	36.61821479	-0101.9772585	244430.7519312233	389621.9549173449	3601.735473807535	3503.146032849943	3442.166753783783	3466.812075348393	43.51682290468056	42.9655729923034
61	3133901	-331341.1413		1000957.3170250766	36.61823751941948	-0101.9749174								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVbothKrg.ft	BRELEVbothKrg.ft	SurfBoth.ft	
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144	317	233984	-276651.1413	1000957.3170250766	36.19199651418849	-101.7805142	161321.083105787	438927.346602427	3645.225896532654	3390.207386437999	3320.037523741703	3330.255203712882	79.1698629629615	48.9503830917107
145	317	233985	-273901.1413	1000957.3170250766	36.19199544888622	-101.7826259	161292.1489765162	438929.34539313	3643.4158680411	3398.802974	3318.582371914358	3310.090690185116	80.38934625	58.369146432358
146	317	233986	-275241.1413	1000957.3170250766	36.20000433237949	-101.750116	161723.2141	438905.22411165	3641.606019146542	3398.554207919905	3316.7260927454595	3310.326704867396	81.8269975653102	67.2278140340508
147	317	233987	-274581.1413	1000957.3170250766	36.20002317363291	-101.735703	161924.2971229916	438926.130659592	3640.1989330614	3398.191623	3314.5806409075285	3312.32442462093	83.6108618822152	68.5661032365684
148	317	233988	-273921.1413	1000957.3170250766	36.20041969656256	-101.712129	162125.3440237354	438924.656365	3639.194701566107	3398.220496522586	3311.397815477225	3312.654320215046	86.40536806	85.1996140570398
149	317	233989	-273261.1413	1000957.3170250766	36.2006072045174	-101.7688877	162326.4083679465	438925.862262413	3638.190469711094	3397.88644516238	3309.4572882639096	3309.31171708386	87.9137325232389	88.0569238439393
150	317	233990	-272601.1413	1000957.3170250766	36.20079426018535	-101.766564	162527.4730217283	438924.742762034	3637.186237917592	3396.948718247333	3308.621635732408	3308.10315184405	87.12713609232515	86.8482584032755
151	317	233991	-271941.1413	1000957.3170250766	36.20089686356565	-101.7642051	162728.5372	438924.62294314	3636.27764707695	3396.483529076177	3307.65594819953	3308.6284671891609	86.4034691891609	86.4034691891609
152	317	233992	-271281.1413	1000957.3170250766	36.201017	-101.7618365	162929.0180159296	438924.50320446	3635.46487529314	3395.993419	3306.28840808175	3307.55202238094	80.70510683284	86.44021595
153	317	233993	-270621.1413	1000957.3170250766	36.2013527	-101.7592225	163130.664760805	438923.364203421	3634.65147418026	3394.870826952935	3304.4878363179077	3308.66321258944	89.991063738576	86.8156516738576
154	317	233994	-269961.1413	1000957.3170250766	36.2015379599837	-101.7571812	163331.7282603344	438922.2647398	3633.838797584612	3394.904208361362	3307.716619074079	3307.531971696897	92.22380176553725	87.4084471275658
155	317	233995	-269301.1413	1000957.3170250766	36.201727542132	-101.7548399	163532.791813757	438921.5562619	3632.556261489086	3394.378408002256	3300.857250605977	3307.538462285877	93.2229234942794	88.0700141436797
156	317	233996	-268641.1413	1000957.3170250766	36.20190709615365	-101.7524986	163733.85493714376	438920.247707027	3630.840243	3393.793636	3298.902664381958	3305.269251055953	94.890972	88.5243833171699
157	317	233997	-267981.1413	1000957.3170250766	36.202091	-101.7501573	163934.917124242	438919.90588467	3629.05219	3393.186507694935	3298.769717954046	3298.99774808899	96.3997974808899	88.7098346033255
158	317	233998	-267321.1413	1000957.3170250766	36.20227745116704	-101.7478159	164135.9786557	438919.78012579	3627.300173303907	3392.5576808036328	3294.68116127502	3303.933089245902	97.86330917613077	88.574591156
159	317	233999	-266661.1413	1000957.3170250766	36.2024574823925	-101.7454748	164337.041935877	438919.716229337	3626.026964	3391.9064000505024	3292.40053711741	3304.384110101534	99.50856653731144	88.5602195889899
160	317	234000	-266001.1413	1000957.3170250766	36.20263094111134	-101.7431333	164538.1040835304	438920.25458482	3625.233978991184	3391.232774856935	3289.984224343356	3305.036217203301	101.425355051357	86.1456262329249
161	317	234001	-265341.1413	1000957.3170250766	36.2028202016025	-101.740792	164739.16589901317	438920.34965728	3624.438263171158	3390.535230893117	3287.623422795455	3306.2350993636	101.40192038562	84.30262215294321
162	317	234002	-264681.1413	1000957.3170250766	36.2030033468025	-101.7384507	164940.2274824582	438919.31365544	3623.64401263614	3389.6213795117445	3285.024703564425	3307.784171310254	106.7966414630194	82.036603971905
163	317	234003	-264021.1413	1000957.3170250766	36.20318482571136	-101.7361094	165141.28883406986	4389195.202	3619.76545207466	3389.05019698429	3283.350957279067	3309.797383181694	107.7913927590228	79.20871665167945
164	317	234004	-263361.1413	1000957.3170250766	36.20336548523286	-101.73378	165342.459540563	4389191.06553240	3617.803525124968	3388.2398180591942	3279.781704	3312.666461423668	108.54811425314411	76.6533576657919
165	317	234005	-262701.1413	1000957.3170250766	36.203548195153	-101.709894	165514.18265272	438918.98611244	3615.844578520358	3387.57178642951017	3278.16337869453	3311.8315103488	110.721208621767	76.562554846717
166	317	234006	-262041.1413	1000957.3170250766	36.2037352369687	-101.7290584	165744.47499573	4389182.852	3598.879042307744	3386.761942747235	3275.8129000503825	3314.2136261918277	110.9490421424034	72.5303155540025
167	317	234007	-261381.1413	1000957.3170250766	36.20390506427006	-101.7267441	165945.519326215	438917.36819983	3594.4863971680825	3385.4979301497	3274.2636206715744	3304.2378627992251	111.685276992251	71.8115093022852
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172	317	234012	-258081.1413	1000957.3170250766	36.20480530716465	-101.7150734	166950.630017465	4389158.158112461	3586.5448267945	3381.621616	3270.012784420231	3268.0310532	112.608821	90.83593692033
173	317	234013	-257421.1413	1000957.3170250766	36.20498717087031	-101.7128661	167151.8896477583	4389154.93055242	3584.80437538393	3380.717343910361	3269.42709484987	3280.5133176063013	111.292049064638	100.2042625000952
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176	317	234016	-255441.1413	1000957.3170250766	36.2054989538625	-101.7056721	167755.064021002	4389141.7040493	3578.34368467917	3377.95105512856	3267.2534669207403	3271.1760493026245	110.7206918350452	105.71154866112
177	317	234017	-254781.1413	1000957.3170250766	36.2056737976751	-101.703388	167958.152359708	4389137.58649498	3583.05340247955	3377.053723	3271.566132663448	3270.699679292001	110.689679292001	105.71154866112
178	317	234018	-254121.1413	1000957.3170250766	36.205849189153	-101.700984	168157.1814265724	4389131.472717161	3581.5701421408003	3376.126178698951	3270.412355441305	3271.621208621767	110.75346752828091	104.0662556027309
179	317	234019	-253461.1413	1000957.3170250766	36.20602212835685	-101.6993681	168358.2391	4389129.356270589	3579.210689819248	3375.190889237428	3375.190889237428	3270.412355441305	110.75346752828091	104.0662556027309
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181	317	234021	-252141.1413	1000957.3170250766	36.2063688686835	-101.6939564	168760.753748038	4389121.32462004	3571.747999172542	3373.228807275452	3268.391018163684	3280.5133176063013	114.93186225591167	92.5843740759131
182	317	234022	-251481.1413	1000957.3170250766	36.206541123217754	-101.6916241	168961.410470773	4389117.012045564	3569.46153881179	3372.375997866493	3265.6087330164337	3283.489342	116.77624540505292	88.866506339282
183	317	234023	-250821.1413	1000957.3170250766	36.20671323671887	-101.6892287	169162.4679490362	4389112.907552772	3567.487148113296	3371.425692327387	3262.9304974209383	3287.3049472409383	118.5176057030867	84.3901780870045
184	317	234024	-250161.1413	1000957.3170250766	36.2068865399014	-101.6869414	169363.5402497952	4389108.795192657	3565.079397583814	3370.4390434566	3262.954659762337	3290.67140146208	120.2104776722749	79.656252939206
185	317	234025	-249501.1413	1000957.3170250766	36.20706722303781	-101.6846128	169564.63092683	4389104.3103513	3562.846494964632	3369.528819520133	3262.954659762337	3290.67140146208	120.2104776722749	79.656252939206
186	317	234026	-248841.1413	1000957.3170250766	36.20724770384015	-101.682257	169765.634096284	4389101.571146436	3560.57709052485	3368.578199027327	3261.3971506676094	3307.601908454026	123.1854429776278	67.81800072763141
187	317	234027	-248181.1413	1000957.3170250766	36.20743735924545	-101.6799174</								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	SatHtElev.f	SatHtBoth.f
269	317	24109	-194061.1413	1000957.3170250766	36.621982464168545	-101.48792326	2866452.5196701198	4388760.072031559	3421.449686821624	3257.3984886108086	3130.783040787312	3138.8866508711835	3162.6154478235685	118.5118713773969706
270	317	24110	-193401.1401	1000957.3170250766	36.62196572405891	-101.48583221	286653.5074062425	4388759.97913349	3419.09669201339	3255.503364630375	3130.842037789915	3143.5152621721136	318.07506268314592	119.198777420093288
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276	317	24116	-189441.1401	1000957.3170250766	36.62207444151773	-101.4715335	287859.7394236867	4388731.42649398	3410.312095021598	3244.256195876459	3144.1193720255305	3120.0197291755123	100.1368273211864	124.23646607213686
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312	317	24152	-165681.1401	1000957.3170250766	36.622512505286984	-101.3872144	295096.9557474773	4388592.1445317	3322.017027468764	3201.324713711				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgrg.ft	SatElevKgrg.ft	SatBothKgrg.ft
35	317	234235	-110901.1413	1000957.3170250766	36.62329925	-110.192879	11781.69147408556	43828.246.14	3240.541942776557	3800.250716790194	2985.616457662774	2984.636358042236	344.605917420215	115.6206579897041
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397	317	234237	-106861.1413	1000957.3170250766	36.62331405397867	-110.186249	121193.1717	43882.30.01538309	3247.700171263897	3078.099660742515	2983.780074493214	2960.234087429635	34.3238.191	117.6168001454934
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400	317	234240	-107601.1413	1000957.3170250766	36.6233367850403	-110.1811904	121786.754053732	43882.25.82411178	3254.085421286996	3074.894521260996	2979.39902818375	2965.37063931414	30.52463577280525	105.75971837280525
401	317	234241	-106941.1413	1000957.3170250766	36.6233403984078	-110.178849	121987.7664424335	43882.21.7607413	3249.8056746274333	3073.838238589712	2977.0041715005924	2966.8504259985	30.8636708783878	106.98778567892623
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405	317	234245	-104301.1413	1000957.3170250766	36.623372996532076	-110.1694828	123791.8127668485	43882.05.51	3248.896028415477	3069.6986173410437	2965.088628295035	2963.166788177707	30.60965412327301	105.3031212327301
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408	317	234248	-102321.1413	1000957.3170250766	36.62339423908254	-110.1624583	124394.84560100886	43881.93.32562703	3248.255677041346	3066.632949184143	2966.951151108825	2965.5780496978446	30.70227780393179	101.07524321696974
409	317	234249	-101661.1413	1000957.3170250766	36.62340122946251	-110.1601767	124595.86818315488	43881.92.2005451	3248.2381971954266	3065.649814	2967.1144234704734	2965.61608929260	30.63337283763904	100.8337283763904
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423	317	234263	-92421.1413	1000957.3170250766	36.6234941059095	-110.127384	127409.963839447	43881.32.1042104065	3227.8819857711274	3052.1004772921	2948.038536891294	2946.338536891294	30.047698291722	104.909898354746
424	317	234264	-91761.1413	1000957.3170250766	36.623500569444	-110.1249393	127610.99341809086	43881.28.6526307	3227.01748793134	3051.7148793134	2947.02844729294	2945.263125114874	30.047698291722	105.622477272958
425	317	234265	-91101.1413	1000957.3170250766	36.62350692356123	-110.1226524	127812.0011294842	43881.24.7098351	3226.30495387564	3050.327306518844	2945.36461726417	2943.5110437466583	30.0496447942918	105.6162627718811
426	317	234266	-90441.1413	1000957.3170250766	36.6235131444255	-110.1203109	128018.010866416376	43881.20.2466046	3225.3214534	3049.39007533908	2944.116414255391	2942.4809854672816	30.05278937851684	105.90521667808
427	317	234267	-89781.1413	1000957.3170250766	36.62351932108851	-110.1179693	128214.016029045	43881.16.1924319	3224.607357545294	3048.450364868057	2942.8126669132334	2941.515733711641	30.0564395425476	106.943011564455
428	317	234268	-89121.1413	1000957.3170250766	36.62352551999164	-110.1156278	128415.0230049005	43881.12.51376735	3220.15215584673	3047.48009151632677	2941.5481951085313	2940.276121208992	30.047698291722	107.203974731548
429	317	234269	-88461.1413	1000957.3170250766	36.62353157574446	-110.1132693	128616.0302030106	43881.08.9678599	3218.69539309966	3046.36775996214	2940.35844290423	2938.16301068413	30.0512306717173	108.2011747800103
430	317	234270	-87801.1413	1000957.3170250766	36.623537811441	-110.110944	128817.037281791	43881.04.12104065	3217.241752019203	3045.5833434547	2939.026389819124	2937.85294985482	30.047698291722	109.409898354746
431	317	234271	-87141.1413	1000957.3170250766	36.62354337831884	-110.108603	129018.010866416376	43881.00.78454114	3216.78972408168	3044.39338436553	2938.181933271737	2937.105947836919	30.047698291722	110.590783104627
432	317	234272	-86481.1413	1000957.3170250766	36.62354952328813	-110.1062517	129219.0510548734	43880.96.9022469	3215.73055948474	3042.406321	2937.000129478075	2936.829466384297	30.05401913342522	111.5768539474032
433	317	234273	-85821.1413	1000957.3170250766	36.62355543	-110.1039202	129420.054669686	43880.91.85201094	3214.0374946478	3041.03374946478	2935.835438139946	2936.102372229604	30.05198313248367	112.89171122414777
434	317	234274	-85161.1413	1000957.3170250766	36.62356128752026	-110.1015787	129621.062567453	43880.87.79414321	3213.05124236	3039.645524077805	2935.183963693443	2934.562172477302	30.05198313248367	113.0537967304867
435	317	234275	-84501.1413	1000957.3170250766	36.6235671078321	-110.0992371	129822.08601151516	43880.83.70434475	3212.051526473	3038.24197556138	2934.338291960626	2932.451326382205	30.05198313248367	114.27898152739175
436	317	234276	-83841.1413	1000957.3170250766	36.62357287081074	-110.096886	130023.07281266	43880.79.6849559	3211.00411372854	3037.8622875723843	2933.298443426575	2931.021892672	30.0512306717173	115.72086756012246
437	317	234277	-83181.1413	1000957.3170250766	36.62357870256781	-110.09454	130224.0510548734	43880.75.6849559	3210.0510548734	3036.81251624689	2932.0510548734	2930.71858467281	30.0512306717173	116.943011564455
438	317	234278	-82521.1413	1000957.3170250766	36.62358437159445	-110.092215	130425.082593533	43880.71.64464114	3209.78672408168	3035.933841523	2931.19035454108	2929.723672929616	30.0748859104085	108.2011747800103
439	317	234279	-81861.1413	1000957.3170250766	36									

ix	iy	x	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevBoth.f
521	317	234361	-17271.14133	1009567.3170250766	3662389790166761	-100.8978646	337107.9442140034	4387735.789	2895.715881223293	2895.0051423132627	2849.0412479	45.861959259654375	45.86266374603292
522	317	234362	-27081.14133	1009567.3170250766	3662389947041567	-100.8959323	337308.9363605473	4387731.75827539	2896.7843689585844	2893.164725247514	2847.73159211939	45.861952232741423	45.211004223618
523	317	234363	-26421.14133	1009567.3170250766	3662390161592768	-100.8931815	337599.9276420224	4387727.716821246	2890.316126711424	2891.2819498416032	2847.190428218046	44.07822354784085	44.07822354784085
524	317	234364	-25761.14133	1009567.3170250766	36623903402203574	-100.8908399	337710.9167602964	4387710.65002393	2899.3171160658133	2898.3094547849815	2846.4596675105747	42.81307796805974	42.81307796805974
525	317	234365	-25101.14133	1009567.3170250766	3662390515	-100.8884894	337911.90973277594	4387719.610823879	2998.3061465002	2867.26782835358	2846.091688686916	41.76471478466414	40.84740549162213
526	317	234366	-24441.14133	1009567.3170250766	3662390643047116	-100.8861568	338112.900524684	4387715.610823879	2997.3012266346026	2885.13735064465	2845.6006894471	39.5104561493328	39.16464866355748
527	317	234367	-23781.14133	1009567.3170250766	36623907456914785	-100.8838153	33833.81915953093	4387711.575	2998.195173245549	2882.887087116954	2844.6556727808397	38.23141336114085	37.5393738142084
528	317	234368	-23211.14133	1009567.3170250766	3662391010294637	-100.8814737	338514.8816915087	4387715.50413364	2903.98028403773	2880.5247897884403	2843.056511396094	34.984749496486	34.984749496486
529	317	234369	-22641.14133	1009567.3170250766	36623916196541879	-100.8791522	338715.8720312705	4387710.505254046	2980.3716863740696	2878.041766344417	2840.7598954580814	33.6132673677857	33.6132673677857
530	317	234370	-21801.14133	1009567.3170250766	36623913189190121	-100.8757905	338916.96221460055	4387699.471120745	3013.573739889134	2875.446523498745	2838.54520337177	29.59181526744028	29.59181526744028
531	317	234371	-21141.14133	1009567.3170250766	3662391465	-100.8744941	339117.8522423036	4387695.437	3014.822777418134	2872.75281067094	2836.4225527671263	28.73715811166036	28.73715811166036
532	317	234372	-20441.14133	1009567.3170250766	3662391607991168	-100.8721075	339318.84211398684	4387691.402830609	3012.5729992129435	2869.976787	2834.4565340500244	28.3606395499592	28.3606395499592
533	317	234373	-19821.14133	1009567.3170250766	366239176106276	-100.869766	339567.2655180362	4387691.402830609	3010.2332206953812	2867.1357861125884	2832.655262556182	28.34586855773174	28.34586855773174
534	317	234374	-19161.14133	1009567.3170250766	36623917697737	-100.8674424	339720.82139017776	4387691.35740662	3007.9384428190410	2864.2460187360317	2831.00319994613	28.3324569878	28.3324569878
535	317	234375	-18501.14133	1009567.3170250766	3662392009	-100.8650928	339921.810796175	4387679.30245539	3007.7031708918586	2861.2119327191123	2828.459585827169	28.304657763343415	28.304657763343415
536	317	234376	-17841.14133	1009567.3170250766	3662392133309354	-100.8627413	340122.800466371	4387675.399	2997.589160452007	2858.37584	2827.0931955071984	28.30236626461577	28.30236626461577
537	317	234377	-17181.14133	1009567.3170250766	3662392253330588	-100.860398	340323.7891427658	4387671.23564009	2995.42172131355	2851.05176694023265	2827.0002712780084	28.28334843829004	28.28334843829004
538	317	234378	-16521.14133	1009567.3170250766	366239236862751	-100.8580582	340524.77808339277	4387667.20324587	2998.273302990094	2852.457207178434	2826.0934405903267	28.284781071754284	28.284781071754284
539	317	234379	-15861.14133	1009567.3170250766	366239247801092	-100.8557167	340725.766870088	4387663.172	2982.25875526274	2849.50421996636	2824.361191026093	28.253086060697	28.253086060697
540	317	234380	-15201.14133	1009567.3170250766	366239256550918	-100.8535751	340926.750563084	4387659.13963878	2982.376449325674	2846.56504862044	2822.85948427389	28.2525712536071	28.2525712536071
541	317	234381	-14541.14133	1009567.3170250766	3662392688171354	-100.8510336	341127.743881961	4387655.10743978	2982.495423132207	2843.64757665227	2821.253373666915	28.26364171026284	28.26364171026284
542	317	234382	-13891.14133	1009567.3170250766	3662392765579137	-100.848982	341327.320599526	4387651.07423934	2982.612599344537	2840.758872694527	2819.2600500093813	28.266187961719928	28.266187961719928
543	317	234383	-13241.14133	1009567.3170250766	3662392858787829	-100.8467311	341522.59234157	4387647.442303406	2980.33167811424	2837.856713770126	2818.06325938514	28.26145627388514	28.26145627388514
544	317	234384	-12561.14133	1009567.3170250766	3662392968141091	-100.8440098	341730.7094514267	4387643.01295497	2975.733561120466	2835.053623011396	2816.1065987965107	28.20201722795754	28.20201722795754
545	317	234385	-11901.14133	1009567.3170250766	366239305645911	-100.8416673	341931.6958408454	4387638.9119831	2971.106173998888	2832.337271263574	2814.431221065452	19.806510611631508	15.806510611631508
546	317	234386	-11241.14133	1009567.3170250766	3662393129954061	-100.8393258	342132.6841716203	4387634.91086466	2968.4287095314	2829.63904315596	2813.271506464386	16.5650643139904	16.5650643139904
547	317	234387	-10581.14133	1009567.3170250766	366239324738598	-100.8369842	342333.671707017	4387630.92408655	2963.060281519896	2827.005743790503	2810.77407864145	16.36733055095754	16.36733055095754
548	317	234388	-9921.14133	1009567.3170250766	3662393275	-100.8346427	342534.6931725493	4387626.890110805	2960.8406313715913	2824.4314119393447	2808.164582569384	13.361761310676	15.27833682416071
549	317	234389	-9261.14133	1009567.3170250766	3662393367669	-100.8323011	342735.6456914871	4387622.89598482	2958.62622222973	2821.564789788414	2808.39820447305	13.456273770385	13.456273770385
550	317	234390	-8601.14133	1009567.3170250766	3662393470195025	-100.8299568	342936.8103298825	4387618.2590825	2956.401731145934	2819.4427447973652	2808.90346907816	11.13349653744	11.13349653744
551	317	234391	-7941.14133	1009567.3170250766	3662393545640605	-100.827818	343137.6204383125	4387614.80034293	2950.68525800687	2817.20783537791	2808.2991020260363	10.2815650434386	10.2815650434386
552	317	234392	-7281.14133	1009567.3170250766	3662393510807073	-100.8252765	343338.607242136	4387610.77043808	2948.4744632513166	2814.96412623727	2807.1206602849636	8.72546233426346	8.72546233426346
553	317	234393	-6621.14133	1009567.3170250766	366239355449926	-100.8229349	343539.593889325	4387606.74138023	2942.2631041418307	2812.7536079142455	2806.151366402312	28.0883585	28.0883585
554	317	234394	-5961.14133	1009567.3170250766	36623936015691626	-100.8205934	343730.8905830735	4387612.71525511	2923.051739582976	2810.6273660931	2805.03298079699	28.0462210834031	28.0462210834031
555	317	234395	-5301.14133	1009567.3170250766	3662393640164791	-100.8182518	343941.5697299662	4387598.68374287	2914.442428712997	2808.56164884994	2803.00907535259	28.00748919854616	28.00748919854616
556	317	234396	-4641.14133	1009567.3170250766	3662393737851974	-100.8159193	344142.552923137	4387594.65	2908.43520539568	2798.927115108592	2800.9651339574	28.04411982490984	28.04411982490984
557	317	234397	-3981.14133	1009567.3170250766	366239378751974	-100.8136258	344343.538968461	4387590.62693134	2894.428136731316	2804.5983	2797.25932848879	28.016640059317	28.016640059317
558	317	234398	-3321.14133	1009567.3170250766	366239372809097	-100.8112272	344544.524859003	4387586.5985397	2890.420967523255	2802.861430784565	2793.440132136226	28.0115602860713412	28.0115602860713412
559	317	234399	-2661.14133	1009567.3170250766	3662393748311146	-100.8088856	344745.5106014315	4387583.70734846	2888.895297663247	2800.810581335729	2789.875096157813	9.33458517791578	9.33458517791578
560	317	234400	-2001.14133	1009567.3170250766	3662393762886994	-100.8065441	344946.49619371496	4387578.54034618	2878.851120323866	2798.977504115928	2786.172088036326	12.805416705196421	12.805416705196421
561	317	234401	-1341.14133	1009567.3170250766	3662393776742638	-100.8042025	345147.4816361474	4387574.15578375	2878.80694332833	2797.178888518825	2782.4716829720315	10.0063380510416	10.0063380510416
562	317	234402	-681.14133	1009567.3170250766	3662393784	-100.801861	345348.4697338476	4387570.4833749	2868.76279643441	2795.412000540536	2780.9460773472463	11.6713930606356	11.6713930606356
563	317	234403	-1.14133	1009567.3170250766	366239376254274	-100.799318	345549.729472456	4387568.121723	2866.43520539568	2793.3340731842978	2784.001625844984	12.731625844984	12.731625844984
564	317	234404	6348.85867303514	1009567.3170250766	36623937839527644	-100.7971779	345750.4370653964	4387562.43415313	2856.630616159755	2792.4239801615254	2778.334127056064	16.54220067496307	16.54220067496307
565	317	234405	1298.85867303514	1009567.3170250766	366239377322245	-100.7948363	345951.42191174996	4387558.40719487	2850.2382017349437	2790.286514527497	2774.987367081367	17.2670725830027	15.288704819360191
566	317	234406	1958.85867303514	1009567.3170250766	3662393761581095	-100.7924947	346152.40667741	4387554.381991241	2843.837715710833	2788.637715710833	2774.848568085945	17.41502660228876	14.120925271506648
567	317	234407	2618.85867303514	1009567.3170250766	366239375	-100.7901532	346353.3911553875	4387550.35464567	2843.13418308665	2787.0622589202	2774.9639939505306	12.0566234871501	12.0566234871501
568	317	234408	3278.85867303514	1009567.3170250766	366239373028996	-100.7878116	346594.3755542755	4387546.33	2848.12908475155	2785.4631243724148	2774.528		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatThKrg.ft	SatThBoth.ft	
647	317	234487	55418.85867730335	1009567.3170250766	36.62372783956809	-100.602829	626431.69187318056	43872.28988927289	2712.243227216901	2691.9627855534925	2702.805868592854	2703.9669841803	0	0	
648	317	234488	55678.85867730335	100957.3170250766	36.6237455857149	-100.604477	62632.6506562086	43872.2436088043	2717.703956256096	2689.9213161035423	2691.2656407892098	2691.626557823253	0	0	
649	317	234489	55938.85867730335	100958.3170250766	36.6237465949247	-100.588146	62635.63871821726	43872.2073827244	2718.167480353832	2687.913841536823	2689.913841536823	6.847346947	1	1030.309387094041	
650	317	234490	57398.85867730335	100959.3170250766	36.6237679087081	-100.550467	62630.63111	43872.1965454489	2768.6255422098	2685.939422	2673.38127171743	2673.067655573645	12.5558497299968	12.871	766.3282049464
651	317	234491	58058.85867730335	100960.3170250766	36.62376283416672	-100.534631	62632.558355891	43872.2195807832	2768.112558	2683.989535241595	2670.740544082075	2670.5995518397285	13.2487805330272	13.38998340186663	
652	317	234492	58718.85867730335	100961.3170250766	36.6237683222665	-100.5191126	62634.5565232387	43872.20590923447	2762.621506204354	2682.07024009426	2672.081017404057	2672.417547581034	9.98922260437674	9.652694248372575	
653	317	234493	58878.85867730335	100962.3170250766	36.6237645780511176	-100.58878	62637.520959681	43872.204939151	2760.1391256723004	2680.1836155869582	2671.391823523104	2671.871548558657	9.87192245	8.31206704084136	
654	317	234494	60038.85867730335	100963.3170250766	36.623750692632	-100.586438	62638.50146537594	43872.20037821693	2762.431028539663	2680.310281810914	2668.9817714967443	2669.384055170393	8.34433132347079	8.94702264650241	
655	317	234495	60998.85867730335	100964.3170250766	36.6237465949247	-100.584069	62639.4374057816	43872.2073827244	2765.4350044747825	2675.81369226337	2668.9276206103195	2667.10876857451	8.58871652712787	8.46451630555248	
656	317	234496	61358.85867730335	100965.3170250766	36.62374237102945	-100.5817554	62640.4438947584	43872.1924531058	2753.486911245681	2674.7332620357	2664.9326509875327	2665.0157871871806	9.810712722504	9.17804103177119	
657	317	234497	62018.85867730335	100966.3170250766	36.6237381439064	-100.5794139	62641.4179002758	43872.181489921	2751.5338180165683	2672.904788632743	2663.187957841213	2663.061860445177	9.80611202261066	9.55446081930588	
658	317	234498	62678.85867730335	100967.3170250766	36.6237330763607	-100.577073	62642.38978518406	43872.18419271552	2746.507427847557	2671.295738194245	2661.276095134076	2661.096678419646	10.019634058842576	10.19905071220496	
659	317	234499	63338.85867730335	100968.3170250766	36.6237295520477	-100.5747308	62643.3615404033	43871.80190705844	2749.18711669928	2669.6400619449423	2659.4073374073	2659.19294811406	10.23227460421294	10.41173830536182	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kft	BR/ElevBoth.kft	SatBothLogs.ft	SatBoth.kft
31	318	234613	-349821.1413	1001617.3170250766	36.91936776496295	-102.0405099	239005.453216133952	4389933.68690565	3695.507533978903	33.86136991095445	3494.803686459675	3498.189283049646	43.3607264986933	39.97467058989864
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71	318	234651	-324741.1413	1001617.3170250766	36.920275175816076	-101.9515342	246646.79680711657	4389786.25366478	3658.362510512862	3477.30730931915	3425.485016922184	3440.146389415651	76.892006170835474	57.2063630166407
72	318	234652	-324081.1413	1001617.3170250766	36.92029740967661	-101.9491929	246847.8799	4389772.11565422	3654.898946974855	3466.142002837884	3425.4038363463744	3442.6863157546614	77.0326731590964	57.17626291270226
73	318	234653	-323421.1413	1001617.3170250766	36.92031959831036	-101.9468517	247048.962628586	4389771.78740486	3651.429143482103	3484.90892035219	3424.439692035219	3442.7228041786709	77.24068730972623	57.24068730972623
74	318	234654	-322761.1413	1001617.3170250766	36.92034171472827	-101.9445104	247250.0551513182	4389770.64025511	3647.9623996733	3483.617245598145	3423.729630329784	3442.571828391033	77.47036994100371	57.0736994100371
75	318	234655	-322101.1413	1001617.3170250766	36.92036385828163	-101.9421691	247451.178178371	4389769.186718734	3617.6569037860175	35.0611770363083	3432.77628722294	3454.1229213952378	77.64293613952378	58.0061369331947
76	318	234656	-321441.1413	1001617.3170250766	36.920385828163	-101.9399279	247652.20967059548	4389775.557624345	3605.3332175230325	3481.1988745892368	3423.551756432098	3442.571828391033	77.8720016217	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKgr.ft	BREIEVbothKgr.ft	SatHtKlog.ft	SatHtBoth.ft
159	318	23479	-266661.1413	1001617.310250766	36.2205862291691	-101.7454892	264341.1698314569	4389412.976818866	3625.0072234869223	3391.0594858077221	3290.2960589520406	3303.6372357489966	76.76339948482018	87.4222323825419
160	318	23479	-266601.1413	1001617.310250766	36.2207667667471	-101.7431569	264542.32173596063	4389408.858783855	3625.045146620471	3390.3809484891664	3288.051347178913	3303.7272963207322	76.7632925232322	86.60668463708726
161	318	23479	-266581.1413	1001617.310250766	36.2209686519319	-101.7408156	264743.29331632093	4389404.740973773	3625.0823069751497	3389.80261749444	3286.4216337199402	3304.27807747944	76.7634887421169	85.407314620777
162	318	23479	-266461.1413	1001617.310250766	36.2211324848141	-101.7384741	264944.3546602662	4389400.63	3625.120082872709	3389.96984	3282.705706302418	3305.0902579664212	76.763529664212	83.8686803706189
163	318	23479	-266261.1413	1001617.310250766	36.2213136653362	-101.7361327	265145.41573711186	4389396.506074194	3619.4443303783964	3388.216622379325	3279.937324891604	3305.9138662843034	76.7637494744631951	82.3020650536014
164	318	23479	-266041.1413	1001617.310250766	36.2214943936691	-101.7337914	265346.4766539745	4389392.8832261	3612.04936220774	3387.455146510874	3277.5773621534695	3306.31778435740438	76.7638128282355	81.3717832828355
165	318	23479	-262701.1413	1001617.310250766	36.2216746696415	-101.73145	265547.57302432386	4389388.27555434	3604.6556340753523	3386.67498482521	3275.057059908108	3303.6025519149397	76.76391735441285	83.0722175627905
166	318	23479	-262401.1413	1001617.310250766	36.2218544933098	-101.7291086	265748.597216661	4389384.12020345	3597.2671906	3385.674282240322	3273.182601	3300.854381089004	76.76396808212322	85.02024411315185
167	318	23479	-257381.1413	1001617.310250766	36.22200339	-101.7267872	265949.587996265	4389380.38890827	3589.09785841617	3385.545275619795	3271.8773313434976	3302.35812831492	76.7639868748192	86.29041457013227
168	318	23479	-257021.1413	1001617.310250766	36.2222128	-101.7244258	266150.177653351	4389375.92293017	3592.164545522148	3384.2154057469256	3270.962406460734	3292.14017607023	76.76399527355216	92.1014275199639
169	318	23479	-260061.1413	1001617.310250766	36.2225105428765	-101.7220844	266351.77759121044	4389371.806703279	3591.229029683312	3383.361621975018	3270.375547	3288.298920299676	76.763982156592618	86.0502417623416
170	318	23479	-259401.1413	1001617.310250766	36.2225692654937	-101.7197431	266552.837068656	4389367.69004246	3590.24662480249	3382.485025528267	3269.920607873418	3285.162783059844	76.76396626548497	97.31984599288266
171	318	23479	-258741.1413	1001617.310250766	36.2227468270937	-101.7174017	266753.8963519635	4389363.875404541	3589.80085160089	3381.5895057222324	3269.543937778775	3282.4390127113497	76.76391001082626	99.150452901082626
172	318	23479	-258081.1413	1001617.310250766	36.222923369171	-101.7150603	266954.9552837121	4389359.405095169	3589.64710697514	3380.685207439734	3269.332523271863	3281.758835	76.76391156745771	98.9263563673341
173	318	23479	-257421.1413	1001617.310250766	36.2231005944881	-101.7127189	267156.0142	4389355.345013566	3589.64734231485	3379.7721013852706	3269.064490827295	3279.3845095577813	76.76391078248936	100.38759182748936
174	318	23479	-256761.1413	1001617.310250766	36.2232767967208	-101.710375	267357.0727688355	4389351.20158638	3589.641167170023	3378.851094836458	3268.830010095693	3276.8119658708	76.763910208178303	101.0204913688851
175	318	23479	-256101.1413	1001617.310250766	36.2234552558814	-101.7080361	267558.1311538007	4389347.11535061	3588.5442754518766	3377.925801569179	3268.5741590771474	3273.826286372462	76.7639156424914376	104.00965151667167
176	318	23479	-255441.1413	1001617.310250766	36.2236279531988	-101.7056947	267759.189230467	4389343.01129416	3588.416413277038	3376.996660635368	3268.10178355429	3270.145112296184	76.76391084933710548	105.1084576735063
177	318	23479	-254781.1413	1001617.310250766	36.2238077015008	-101.703353	267960.2471216165	4389338.88695198	3584.280893122883	3376.0637379454074	3267.705510301013	3268.76825867192	76.76392764349445	107.2747907808816
178	318	23479	-254121.1413	1001617.310250766	36.223977097446	-101.7010119	268161.3047814537	4389334.377007897	3582.14726492769	3375.1254088297137	3267.1982515956084	3272.4314577490627	76.76392572330927	102.6939511
179	318	23479	-253461.1413	1001617.310250766	36.2241510411355	-101.6986705	268362.3621276305	4389330.659287507	3577.973978587749	3374.181221466028	3266.509345401605	3272.55760996396	76.76392776037317	99.54823770105865
180	318	23479	-252801.1413	1001617.310250766	36.2243353258008	-101.6963291	268593.4194515275	4389326.346	3571.77294595772	3373.162212369925	3262.149838351562	3276.51112186074	76.7639258330342	96.37110945381387
181	318	23479	-252141.1413	1001617.310250766	36.22451979122515	-101.693948	268745.7051915005	4389322.614907503	3569.2127451497	3370.235515084187	3262.423562490836	3278.362719281907	76.7639258330342	95.46956941318
182	318	23479	-251481.1413	1001617.310250766	36.224701583826	-101.691644	268955.533175919	4389318.134794724	3568.541731060759	3369.564463	3261.51577042053	3281.454718907425	76.7639258330342	95.46956941318
183	318	23479	-250821.1413	1001617.310250766	36.22488423	-101.689305	269166.5896558504	4389314.206674902	3558.193234905015	3370.340507487333	3263.251740214744	3282.7770477198913	76.7639258330342	87.5629277
184	318	23479	-250161.1413	1001617.310250766	36.2250137496926	-101.6869635	269367.6459	4389310.04080498	3553.07704514732	3369.365817317282	3260.5497213686426	3290.596145435682	76.7639258330342	86.7696708171386
185	318	23479	-249501.1413	1001617.310250766	36.22518520479716	-101.6846221	269568.7020130993	4389305.981729865	3550.95475854183	3368.39078895167	3260.423477360193	3294.47968424627	76.7639258330342	91.104452732983
186	318	23479	-248841.1413	1001617.310250766	36.225355823214	-101.6822807	269769.76580491	4389291.86997636	3548.8324705420237	3367.41945292315	3245.57813393832	3294.47968424627	76.7639258330342	72.5202419
187	318	23479	-248181.1413	1001617.310250766	36.2255263075205	-101.679983	269976.7589262	4389287.7589262	3545.06789686524	3366.458195686524	3243.64968957913	3294.47968424627	76.7639258330342	72.5202419
188	318	23479	-247521.1413	1001617.310250766	36.225701804152	-101.6776787	270171.8889485115	4389283.546017127	3543.6351545770425	3365.51545770425	3241.454718907425	3294.47968424627	76.7639258330342	72.5202419
189	318	23479	-246861.1413	1001617.310250766	36.2258660699085	-101.6752565	270372.9240022204	4389283.546017127	3543.6351545770425	3365.51545770425	3241.454718907425	3294.47968424627	76.7639258330342	72.5202419
190	318	23479	-246201.1413	1001617.310250766	36.2260345692688	-101.6729151	270573.978334741	4389285.433267157	3528.797054075337	3363.704675609306	3238.239113499791	3276.69415028818	76.7639258330342	72.5202419
191	318	23479	-245541.1413	1001617.310250766	36.2262030852273	-101.6705737	270775.033684133	4389281.21339106	3523.69604741402	3362.853092476687	3236.973605147482	3270.32697041697	76.7639258330342	92.9612250563487
192	318	23479	-244881.1413	1001617.310250766	36.2263711488731	-101.6682323	270976.0881176236	4389277.201	3518.896241114346	3362.01856304852	3235.939158684183	3264.323683704381	76.7639258330342	96.9487980141321
193	318	23479	-244221.1413	1001617.310250766	36.2265387602058	-101.6658908	271177.1423712014	4389273.09123437	3514.1058186162453	3361.19810531398	3233.05676959053	3260.350624315983	76.7639258330342	101.86754138977672
194	318	23479	-243561.1413	1001617.310250766	36.22670591922515	-101.663548	271378.19615005	4389269.4507503	3509.2127451497	3360.38244644452	3232.22569611398	3262.423562490836	76.7639258330342	101.86754138977672
195	318	23479	-242901.1413	1001617.310250766	36.22687625	-101.6612081	271579.25200226894	4389264.136326529	3508.81731060759	3359.64463	3231.454718907425	3262.423562490836	76.7639258330342	101.86754138977672
196	318	23479	-242241.1413	1001617.310250766	36.227038803229	-101.6588667	271780.307801065	4389260.7607899	3503.616700709826	3358.7356621158283	3232.7350671068243	3248.882965054854	76.7639258330342	101.86754138977672
197	318	23479	-241581.1413	1001617.310250766	36.2272064824002	-101.6565252	271981.357132328	4389256.651113631	3501.42070353473	3357.8884607212726	3232.136164063916	3245.38048852154	76.7639258330342	101.86754138977672
198	318	23479	-240921.1413	1001617.310250766	36.2273700321628	-101.6541838	272182.0140261702	4389252.54170391	3499.2202400277633	3357.0195642104013	3231.64506881162	3243.022158289154	76.7639258330342	101.86754138977672
199	318	23479	-240261.1413	1001617.310250766	36.2275343296108	-101.6518424	272383.4615676377	4389248.43519336	3498.92079234899	3356.127027880678	3231.64506881162	3243.022158289154	76.7639258330342	101.86754138977672
200	318	23479	-239601.1413	1001617.310250766	36.2276995747423	-101.649001	272584.5158456278	4389244.3362529	3500.777191790505	3355.209971179384	3230.950766174574	3242.9148844251961	76.7639258330342	101.86754138977672
201	318	23479	-238941.1413	1001617.310250766	36.22786491922515	-101.646758	272785.5158456278	4389240.3362529	3500.777191790505	3355.209971179384	3230.950766174574	3242.9148844251961	76.7639258330342	101.86754138977672
202	318	23479	-238281.1413	1001617.310250766	36.22802698014534	-101.6444818	272986.62038352965	4389238.106326529	3500.777191790505	3355.209971179384	3230.950766174574	3242.9148844251961	76.7639258330342	101.86754138977672
203	318	23479	-237621.1413	1001617.310250766	36.228188963268	-101.6424767</								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
28	318	234865	-183501.1413	1001617.3170250766	39.624002396708825	-101.4504768	289673.19623851334	3388895.890184838	336.606268314349	322.2702706901332	311.86622646018434	311.6004291568447	312.3648051984873	313.2227782388505
286	318	234866	-182841.1413	1001617.3170250766	39.624001495120114	-101.4481353	289874.23040084305	3388891.000699334	3381.710012124527	3227.867513	311.8391027123234	311.1415427422638	313.48841036530762	313.747026523817735
287	318	234867	-182181.1413	1001617.3170250766	39.624001746045951	-101.4371466	29181.4636383254	3388893.8186334695	3386.53369546954	3216.50678662285	310.876536659647	312.4971402312448	314.0062323324486	314.8829233434486
288	318	234868	-181521.1413	1001617.3170250766	39.6240033992	-101.4434523	289876.62406339	3388883.62406339	3387.851797962168	3225.15785259416	311.834497	311.389647942267	314.332655805573	313.7620051651382
289	318	234869	-180861.1413	1001617.3170250766	39.6240053238044	-101.4411108	290477.331781331	3388879.53399661	3377.578413288713	3218.814887101233	310.8726583795443	310.1298135710505	314.5422303305706	314.3220352996613
290	318	234870	-180201.1413	1001617.3170250766	39.624004647168375	-101.4387693	290678.3651271462	3388876.45019043	3376.305028555716	3222.848150623877	310.9796477323195	310.939618016293877	314.5226341900568	313.90054770410053
291	318	234871	-179541.1413	1001617.3170250766	39.62400794515901	-101.4364278	290879.389206555	3388871.35664479	3376.64144200125	3221.154364052285	310.6334005891405	310.864189112876	314.4203355	312.512392655944
292	318	234872	-178881.1413	1001617.3170250766	39.6240083284719	-101.4340863	291080.431203459	3388867.628835956	3378.58766227531	3219.82699551219	310.94793038	310.8722805481272	314.8583547451863	312.05888502966
293	318	234873	-178221.1413	1001617.3170250766	39.62401056610102	-101.4317446	291280.431203459	3388863.628835956	3378.58766227531	3219.82699551219	310.94793038	310.8722805481272	314.8583547451863	312.05888502966
294	318	234874	-177561.1413	1001617.3170250766	39.62411375872121	-101.4294033	291482.4945573793	3388859.02926713	3382.40859682342	3217.1873056585	310.4269990722393	310.656269337284	314.72040640725206	310.519032655944
295	318	234875	-176901.1413	1001617.3170250766	39.62412500610699	-101.4270618	291683.528780347	3388855.05065677	3382.40859682342	3217.1873056585	310.4269990722393	310.656269337284	314.72040640725206	310.519032655944
296	318	234876	-176241.1413	1001617.3170250766	39.6241380025859	-101.4247203	291884.5609662213	3388850.91828251	3380.303961792944	3214.5553620500405	309.766593430968	310.5780784188716	314.7889727151337	308.7745778613293
297	318	234877	-175581.1413	1001617.3170250766	39.62415006517067	-101.4223788	292085.59280913067	3388849.38217832	3378.2044232681724	3213.244057635143	308.8382179422656	310.45826824881376	314.861782125853	307.7752068737861
298	318	234878	-174921.1413	1001617.3170250766	39.62416276859214	-101.4200373	292266.62451743963	3388842.74451131	3376.104113799636	3211.335513077388	309.7096868230547	310.355224473014	314.8364484684091	306.5802887302843
299	318	234879	-174261.1413	1001617.3170250766	39.624174043308145	-101.4176958	292467.6590219531	3388836.56764875	3374.137810369968	3210.6398360502817	309.5457196	310.355224473014	314.8364484684091	306.5802887302843
300	318	234880	-173601.1413	1001617.3170250766	39.62418594522816	-101.415343	292688.687322763	3388834.75164423	3369.2308925651528	3209.327232	309.6727473303283	310.355224473014	314.8364484684091	306.5802887302843
301	318	234881	-172941.1413	1001617.3170250766	39.62419784	-101.4130128	292889.7184024174	3388830.48549943	3365.34822334698	3208.0279182101954	308.8318593309564	310.3704200866024	314.2093229063138	305.8577134859299
302	318	234882	-172281.1413	1001617.3170250766	39.62420067124927	-101.4106713	293090.74931478396	3388826.390681429	3361.4654511191857	3207.32139331595	309.2387431023095	314.3741070554012	310.519032655944	305.8577134859299
303	318	234883	-171621.1413	1001617.3170250766	39.62422145676909	-101.4083297	293291.7800061763	3388822.13403872	3354.15458915015	3205.400144	309.147687176514	309.7847875	313.9632680142858	307.5922695287005
304	318	234884	-170961.1413	1001617.3170250766	39.624233170730365	-101.4059882	293492.810494803	3388818.228622625	3351.096207659165	3204.152175178956	309.0151210328495	309.4791406843153	314.00096479610647	307.330344640407
305	318	234885	-170301.1413	1001617.3170250766	39.62424488026134	-101.4036467	293693.84078067803	3388814.13431598	3345.409692472153	3202.8667482928163	308.7488858099597	309.389232271823	314.1178790182058	307.1298610556336
306	318	234886	-169641.1413	1001617.3170250766	39.62425654185993	-101.4013052	293894.7096459458	3388810.0546688	3338.857311755846	3201.88110534739	308.9897997946496	309.484748220158	314.5913005408961	307.117398112285126
307	318	234887	-168981.1413	1001617.3170250766	39.624268241464649	-101.3989817	294095.76716856	3388806.3789831	3336.2308925651528	3200.94793038	308.876536659647	310.4269990722393	314.72040640725206	310.519032655944
308	318	234888	-168321.1413	1001617.3170250766	39.6242791580378	-101.3966222	294296.930428004	3388801.89251474	3331.7989721683059	3197.95179643534	308.8722805481272	308.735142120033	313.2656813302337	311.63543652345106
309	318	234889	-167661.1413	1001617.3170250766	39.62429122	-101.3942807	294497.959036882	3388798.42801916	3328.294678835119	3197.8833360206224	308.8308203	308.8308203	312.64513324171222	311.63543652345106
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323	318	234903	-158421.1413	1001617.3170250766	39.62444766775021	-101.361493	297312.3512573326	3388740.46662636	3300.488418661737	3177.934823544774	308.77947197005	308.77947197005	308.77947197005	307.93247795134494
324	318	234904	-157761.1413	1001617.3170250766	39.6244585033572	-101.3591578	297513.3780041376	3388736.567727362	3300.488418661737	3176.47199348547	308.77947197005	308.77947197005	308.77947197005	307.93247795134494
325	318	234905	-157101.1413	1001617.3170250766	39.6244693898641	-101.3568163	297714.4042823601	3388732.487	3297.801994037245	3176.47199348547	308.77947197005	308.77947197005	308.77947197005	307.93247795134494
326	318	234906	-156441.1413	1001617.3170250766	39.62448003880227	-101.3544748	297915.430622425	3388728.40668133	3297.801994037245	3176.47199348547	308.77947197005	308.77947197005	308.77947197005	307.93247795134494
327	318	234907	-155781.1413	1001617.3170250766	39.62449119172564	-101.3521373	298116.468216856	3388724.78943802	3297.801994037245	3176.47199348547	308.77947197005	308.77947197005	308.77947197005	307.93247795134494
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329	318	23												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogKrg.f	BR ElevBothKrg.f	SatHtLog.f	SatHtBoth.f	
411	314991	-100341.1413			10617.17310250766	36.62522803831638	-101.1554426	315001.944653511	4388382.392094048	3247.0480893191494	29632.73297	2963.631267918938	2961.646485705256	90.1166882551175	101.08645130919434
412	314992	-99681.1413			10617.17310250766	36.62523485316769	-101.153101	315022.9544561091	438837.361345919	3245.8924816162503	3061.75368125436	2962.485598113767	2960.9915717479178	90.17364531761802	101.3764536371802
413	314993	-99021.1413			10617.17310250766	36.62524170278671	-101.150794	315043.6146430161	438836.427100763	3240.714407004196	3060.729874	2961.203373691215	2958.763464038184	102.063891392513	101.6326871481846
414	314994	-98361.1413			10617.17310250766	36.62524846716138	-101.1481419	315064.973205743	438837.21036769	3237.529556546557	3059.811684237974	2958.870594570175	2956.904591701615	99.941900777997	102.84127611363238
415	314995	-97701.1413			10617.17310250766	36.625255186303725	-101.1460763	315085.8827852334	438836.150010983	3235.247995479036	3058.850433738965	2956.339161227422	2955.41168924704	103.4216414981907	103.1624414981907
416	314996	-97041.1413			10617.17310250766	36.62526186021303	-101.1437347	315066.991965379	438836.09847925	3237.869449078061	3057.8964943014166	2956.895813	2954.222056211525	101.0006812862261	103.0361278099152
417	314997	-96381.1413			10617.17310250766	36.62526848888262	-101.1413931	315028.0086845417	438838.02910273	3232.626316618218	3056.4970087917425	2955.4625994429775	2952.8421399174735	101.4871013619519	104.1076336169927
418	314998	-95721.1413			10617.17310250766	36.62527703721583	-101.1390515	315046.0095926955	438837.103071252	3231.30198515837	3056.009633733806	2954.0496715118992	2951.384202	101.9030548148137	104.62543163616927
419	314999	-95061.1413			10617.17310250766	36.625284161051264	-101.136781	315067.0181370066	438839.437100763	3229.443860420653	3054.717821411657	2953.652591370039	2950.24091165821	102.4711396137067	105.0326871481846
420	315000	-94401.1413			10617.17310250766	36.625298104373046	-101.134584	315081.025026781	438835.851454665	3226.92062519298	3054.14282079411	2951.201607270967	2950.80409526795	102.94121281227	103.338730533717
421	315001	-93741.1413			10617.17310250766	36.62530455119706	-101.1320268	315070.0346907753	4388341.79241888	3225.01270246511	3053.215289771337	2949.8610174607093	2948.33794894104	103.3542713027675	103.8770347802533
422	315002	-93081.1413			10617.17310250766	36.62530095364615	-101.1296852	317123.0426988212	438837.73026101	3225.058368773325	3052.2912904897344	2948.5085128564596	2946.1622577106219	103.7827773323737	106.1290325730929
423	315003	-92421.1413			10617.17310250766	36.625307310935725	-101.1273436	317414.0505293134	438836.720002311	3221.1570131394665	3051.370591515587	2947.18039597255425	2945.77044716679	101.009155360549	106.42981741281801
424	315004	-91761.1413			10617.17310250766	36.62531362295038	-101.125002	317615.0581817592	438836.2161661497	3226.32314543709	3050.453006155683	2945.8201509799106	2944.8043635676624	103.42789643646238	106.7294573809597
425	315005	-91011.1413			10617.17310250766	36.62531988972857	-101.1226805	317816.056656365	438835.55825959	3224.748879459208	3049.53813581584	2944.528977	2943.7951883398136	100.091567759041	106.742943501773
426	315006	-90441.1413			10617.17310250766	36.62532611	-101.1203189	318017.0729332345	438831.500614785	3223.115443352196	3048.625853869832	2943.30325540451	2941.830236693398	105.3226029640245	107.7283469911347
427	315007	-89781.1413			10617.17310250766	36.625332229	-101.117973	318218.0800728316	438831.424928683	3221.63408598721	3047.71843269167	2941.9951899782616	2941.1326181556744	105.7225222190504	108.2565221349226
428	315008	-89121.1413			10617.17310250766	36.62533418644226	-101.1156357	318419.0870151898	438831.636782925	3220.3408895415065	3046.8153659891486	2940.701310053253	2940.58302093002	106.1403498382333	108.588457796439
429	315009	-88461.1413			10617.17310250766	36.6253405447641	-101.1132941	318620.09378049034	438830.328231859	3218.975521996327	3045.7182936777886	2939.53123938862	2938.011129930485	107.707637445007	107.763747445007
430	315010	-87801.1413			10617.17310250766	36.625345504547204	-101.1109525	318821.1003689797	438821.271220758	3217.646254857992	3044.3857436767075	2938.381972852447	2935.421780426576	106.9644659815227	108.9644659815227
431	315011	-87141.1413			10617.17310250766	36.62535654043122	-101.108611	319022.1670863383	4388301.21443851	3215.494766239277	3043.018490363817	2937.254609149378	2932.974414788507	106.723914845131	110.0647342735305
432	315012	-86481.1413			10617.17310250766	36.62536240553805	-101.106294	319223.1137613479	438827.153773185	3212.97106539268	3041.8595143521292	2936.2542735591	2935.109136976231	105.5610417962351	110.7138944017168
433	315013	-85821.1413			10617.17310250766	36.62536835082682	-101.103787	319434.198739451	438826.968241389	3210.3873987	3031.80413931477	2934.669848348943	2932.217991968283	105.34761968283	110.7138944017168
434	315014	-85161.1413			10617.17310250766	36.6253742593825	-101.1015862	319625.1245895491	438829.05425502	3205.573665521007	3038.934997	2934.2870085020614	2928.20778062092	104.6749167155448	110.72721648078
435	315015	-84501.1413			10617.17310250766	36.625380069502114	-101.099246	319826.1306646433	438824.98939381	3202.7255380743566	3037.83495557451	2933.705846459295	2927.084109324558	110.1684109324558	110.72721648078
436	315016	-83841.1413			10617.17310250766	36.62538584	-101.096903	320027.136194103	438820.98377248	3198.02959183679	3036.126927725465	2932.254272492346	2926.312420978657	105.6255233119048	109.9568562759941
437	315017	-83181.1413			10617.17310250766	36.62539156261802	-101.0945614	320228.1154559858	438817.878440431	3192.80379898179	3034.6997597800287	2931.13624168785	2925.854296132473	105.563515112437	108.845102565604
438	315018	-82521.1413			10617.17310250766	36.62539724132105	-101.0922198	320429.1467363927	438822.723228481	3188.57518110006	3033.2590296818677	2930.02936164485	2925.34239317835	103.220659971928	107.93479026403293
439	315019	-81861.1413			10617.17310250766	36.6254042787876	-101.089787	320630.151728536	438820.439827025	3187.16730531477	3032.159212092447	2928.669491329643	2924.21740677817	99.5353172	107.93479026403293
440	315020	-81201.1413			10617.17310250766	36.62540954817721	-101.0875367	320854.171479143	438817.701810523	3185.7070810523	3030.333787414424	2927.742656700385	2924.21740677817	105.29112400385	108.414874627556
441	315021	-80541.1413			10617.17310250766	36.6254140600103	-101.0851951	321032.16371	438826.05894739	3182.5367714034	3028.84782578106	2926.6167556595406	2926.157433027492	103.2211691855601	102.690435801133
442	315022	-79881.1413			10617.17310250766	36.62541905376679	-101.082835	321233.165745296	438817.156313677	3176.33677	3027.3452812436447	2925.981373575083	2924.38201076601	102.112158089951	102.690435801133
443	315023	-79221.1413			10617.17310250766	36.6254249628657	-101.0805119	321434.1700232106	438825.550541262	3164.512258177304	3025.8253978490084	2925.51771647318	2924.096113210915	100.30680216903	102.690435801133
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445	315025	-77901.1413			10617.17310250766	36.62543572561605	-101.075827	321836.1781899644	438824.443040357	3157.64855980019	3022.701918625797	2924.614834874053	2922.300655517491	98.1161837	100.30680216903
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447	315027	-76581.1413			10617.17310250766	36.6254453139872	-101.0711455	322228.185520744	438824.36348485	3154.68415685173	3019.675684389303	2921.847167352404	2921.231799675794	99.049686160978	100.30680216903
448	315028	-75921.1413			10617.17310250766	36.62545154033497	-101.0688039	322439.188961113	438822.28347774	3152.82908339657	3017.982740174553	2922.942117154513	2919.924805121464	95.054102303068	98.0543350530883
449	315029	-75261.1413			10617.17310250766	36.62545621434496	-101.0664264	322640.1923001297	438816.293374574	3146.3168908881096	3016.378010868885	2922.6813843594005	2919.924805121464	93.694626274806	97.5691759
450	315030	-74601.1413			10617.17310250766	36.625461862797275	-101.0641208	322841.1952520306	438824.17823205	3140.7629731273087	3012.62501423355	2917.348633046184	2917.348633046184	90.4710407269027	97.5691759
451	315031	-73941.1413			10617.17310250766	36.62546695	-101.0617292	323042.198258483584	438820.129293063	3134.541687002598	3013.138745621586	2917.348633046184	2917.348633046184	90.4710407269027	97.5691759
452	315032	-73281.1413			10617.17310250766	36.6254719831256	-101.0594376	323243.2009957287	438816.73867347	3131.918036181675	3011.502642107929	2916.703345563375	2915.79107728921	90.4830570125456	97.5691759
453	315033	-72621.1413			10617.17310250766	36.62547698346015	-101.0571455	323443.2009957287	438816.73867347	3129.418036181675	3009.333787414424	2915.418036181675	2915.418036181675	90.4830570125456	97.5691759
454	315034	-71961.1413			10617.17310250766	36.62548194833074	-101.0547554	323643.2009957287	438816.73867347	3127.418036181675	3007.418036181675	2914.80263542204	2915.418036181675	90.4830570125456	97.5691759
455	315035	-71301.1413			10617.17310250766	36.6254868805966	-101.0524128	3							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVELogKrg.ft	BRIEVEOrthKrg.ft	SatHtLogKrg.ft	SatHtOrth.ft
537	315	23517	-17181.14133	1001617.310250766	36.62573550181887	-100.8604013	340327.82714691595	4387872.4689254705	2958.5942	2845.266325943270	2826.188450525458	2827.833966041503	2807.902741781276	26.42386439120382
538	318	-16521.14133	1001617.310250766	36.6257366518918	-100.8580597	340582.5815516614	4387868.4361575336	2990.906236800414	2851.3534415011054	2825.6475250537654	2825.7675695010333	2815.76744733991	25.67407	
539	319	23519	-16521.14133	1001617.310250766	36.62573436547955	-100.8567181	340579.8040230538	4387864.404	2988.4247431769947	2845.443368126898	2823.881432351193	2824.8338733106892	23.168770412642687	25.67407
540	320	23520	-15001.14133	1001617.310250766	36.6257388394791	-100.8533765	340590.7927862452	4387863.71293985	2988.137548	2845.5473043219176	2825.357655528136	2824.981793363522	23.180774793363522	20.55654663837152
541	321	23521	-14541.14133	1001617.310250766	36.6257386876634	-100.8510348	341131.7810404967	4387863.39197752	2987.854333712225	2842.6680451357055	2820.7617791505663	2825.10771767738	21.907166165139188	17.56102754796757
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543	323	23523	-13221.14133	1001617.310250766	36.6257441761335	-100.8463516	341533.7573	4387848.27567338	2985.032267733431	2836.961759210987	2815.869554522003	2826.399047070332	19.526860738988437	10.59731150566474
544	324	23524	-12561.14133	1001617.310250766	36.6257424502711	-100.84401	341734.74448545876	4387844.25423828	2980.237681177649	2832.241776347959	2815.969881320506	2818.1205301388572	18.74902708452694	7.1632329101707
545	325	23525	-11961.14133	1001617.310250766	36.625743465347955	-100.8416684	341835.72557380538	4387840.213	2987.4239681286	2831.482927416362	2814.359351241055	2815.4402068170534	17.12846175297187	4.04639695983858
546	326	23526	-11411.14133	1001617.310250766	36.625742766482	-100.8393258	342136.720494178	4387836.182	2987.648505108428	2829.813675155045	2813.359442069069	2814.75293749922	15.4542374569773	1.02608155658251
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559	339	23539	-2661.141327	1001617.310250766	36.625750507071	-100.8094684	344749.634085424	4387783.78017618	2904.4478434085424	2800.71324542874	2796.131542047474	2808.415847381908	3.24833619424	0
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566	346	23546	1958.85667303514	1001617.310250766	36.6257509850767	-100.792446	346162.3414029545	4387761.60597693	2835.731711701985	2787.65059281828	2778.75234542874	2778.4783167	12.452565618521	8.20253258143873
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572	352	23552	5918.8566730351	1001617.310250766	36.625749190513	-100.778449	347362.3414029545	4387732.455279035	2846.428996767547	2778.9248387795625	2778.4172405731156	2781.415847381908	12.452565618521	12.452565618521
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576	356	23556	8558.8566730351	1001617.310250766	36.6257470435969	-100.7690785	348166.27422400348	4387715.35688281	2863.507181330764	2777.567136126078	2776.9832662695146	2779.391949117108	0	0
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580	360	23560	11198.8566730351	1001617.310250766	36.625744259137374	-100.759712	348970.204693017	4387699.26070406	2889.805117268485	2777.6856101955475	2775.59422	2775.79040045607	1.994336507695858	1.968193725493188
581	361	23561	11858.8566730351	1001617.310250766	36.62574335731	-100.7573704	349171.1869	4387695.238830731	2887.0103399893	2777.6050491452884	2777.6027883	2777.		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.f	W.Lt.	BRElevLogs.fg	BRElevBoth.fg	SatHLogs.fg	SatHBoth.fg
633	312343	65978.8586773035		1061617.310250766	36.25427479677742	-100.56535588	565651.2556618172	4387366.101398691	2723.876401817586	2637.967507743976	2651.174329328299	11.731913771769512	11.7317056677151
664	312344	66368.8586773035		1061617.310250766	36.25520251891274	-100.56301272	568582.2261	4387362.0967827	2728.90368952022	2641.4905422698102	2648.037592849308	12.51151332	
665	312345	67288.8586773035		1061617.310250766	36.2551571603077	-100.560676	56653.19171630377	4387358.023948377	2733.93063711717	2650.069313118463	2646.711984320546	13.548047604667214	
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667	312347	68618.8586773035		1061617.310250766	36.25506345811776	-100.5559924	56645.1382904936	4387350.480289788	2742.651682862195	2657.305719767445	2641.606277696569	15.51656314269604	15.699442070876103
668	312348	69278.8586773035		1061617.310250766	36.2550162	-100.5536508	56666.1086525854	4387347.050866995	2747.8731750857402	2655.961715911822	2639.277304026556	16.684411849426397	16.833924832636058
669	312349	69958.8586773035		1061617.310250766	36.2549684890766	-100.5513992	56687.0788875027	4387342.077072488	2743.04554885477	2654.63975617936	2636.6948731986105	17.94400219846105	18.054025360326933
670	312350	70598.8586773035		1061617.310250766	36.25492032000654	-100.5489676	56708.0489941116	4387340.73790898	2744.17933917891663	2653.3370718917663	2632.932025840044	18.33660931440318	19.47097874774534
671	312351	71258.8586773035		1061617.310250766	36.25487170169655	-100.546667	56729.051897395856	4387337.070746557	2746.151589897947	2652.2510713586585	2630.7558822257215	19.256189100937021	19.48081054667214
672	312352	71918.8586773035		1061617.310250766	36.2548224627584	-100.544294	56749.9899	4387330.067917858	2747.3122055441474	2650.797321161743	2627.128401494169	20.22722005168028	20.25597056036423
673	312353	72578.8586773035		1061617.310250766	36.2547731225577	-100.5419428	56760.95856275187	4387326.067917858	2742.495821786434	2650.92796706106	2623.074038613076	20.63782781796006	20.647222685913076
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675	312355	73898.8586773035		1061617.310250766	36.2546677251019	-100.5372596	56802.8677257252	4387317.06076698	2747.0728267010001	2647.004041125711	2613.5560065349134	21.95207155623274	23.78996563338636
676	312356	74558.8586773035		1061617.310250766	36.2546218478225	-100.5349181	56823.66170716455	4387314.05892251	2742.7208374972815	2646.810648335927	2611.5312955794752	21.6114359269517	24.38676931117496
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678	312358	75878.8586773035		1061617.310250766	36.2545187361608	-100.5302249	56865.0538822507	4387306.05022714	2748.01685091633	2643.4200281217154	2608.806084937105	22.00843784304093	24.55952318404095
679	312359	76538.8586773035		1061617.310250766	36.2544665017789	-100.5279833	56886.77433780806	4387302.054393608	2749.861690392083	2642.2518315942075	2606.51920834827	22.50535136388473	23.73255120938029
680	312360	77198.8586773035		1061617.310250766	36.254413150298	-100.5255517	56907.7432020337	43873208.05370025	2749.018999819083	2641.1129146231154	2604.8020662552005	23.6034607906378	23.76486242979142
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682	312362	78518.8586773035		1061617.310250766	36.254307048403	-100.5208685	56949.608512365	4387290.052	2692.02137301495	2638.961473410956	2624.553657048216	27.144048642921643	27.169006734768336
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687	312367	81818.8586773035		1061617.310250766	36.2540323411186	-100.5091066	57047.52161889034	4387270.052194958	2693.06804801813	2634.749500480416	2636.0567819811054	28.366201007379	0
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691	312371	84498.8586773035		1061617.310250766	36.2538054458985	-100.4997462	57128.392727903	4387254.05093789	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
692	312372	85158.8586773035		1061617.310250766	36.2537492312334	-100.4974562	57149.25910812334	4387250.05093789	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
693	312373	85778.8586773035		1061617.310250766	36.25368772191905	-100.495111	57168.0366350506	4387246.09203478	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
694	312374	86438.8586773035		1061617.310250766	36.2536287020365	-100.4927694	57188.2937397913	4387242.05070256	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
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696	312376	87758.8586773035		1061617.310250766	36.253530930518366	-100.4880683	57228.2728291674	4387234.0685408	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
697	312377	88418.8586773035		1061617.310250766	36.2534848928078	-100.4857447	57248.194354527	4387230.069933215	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
698	312378	89078.8586773035		1061617.310250766	36.253437129076	-100.4834031	57268.1611955142	4387226.072851185	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
699	312379	89738.8586773035		1061617.310250766	36.253387115975	-100.4810165	57288.12689036	4387222.075793573	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
700	312380	90398.8586773035		1061617.310250766	36.2533265030881	-100.4787199	57308.0748731635	4387218.079146572	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
701	312381	90958.8586773035		1061617.310250766	36.25328028665154	-100.4763784	57328.0603375582	4387214.0827161	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
702	312382	91718.8586773035		1061617.310250766	36.2531402578502	-100.4740368	57348.0624579034	4387210.08682281	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
703	312383	92378.8586773035		1061617.310250766	36.2530771668416	-100.4718692	57368.9924937033	4387206.09070269	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
704	312384	93038.8586773035		1061617.310250766	36.25303136213314	-100.4693704	57389.96891116	4387202.09052918	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
705	312385	93698.8586773035		1061617.310250766	36.2529849897256	-100.4669370	57410.96891116	4387198.09052918	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
706	312386	94358.8586773035		1061617.310250766	36.2529381789989	-100.4645304	57432.9892540776	4387194.05002918	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
707	312387	95018.8586773035		1061617.310250766	36.2528820783572	-100.4621289	57454.8554	4387190.10922708	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
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709	312389	96338.8586773035		1061617.310250766	36.2527020136005	-100.4576457	57498.78620136005	4387182.11962420	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
710	312390	96998.8586773035		1061617.310250766	36.25265226623005	-100.4553401	57509.75125799456	4387178.12546506	2692.78213871007	2632.8296413438	2609.4004072073714	28.22599410310216	28.22599410310216
711	3123												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	BR/Sat3008261026	Surf3008261026	
49	319	23369	-332961.1413	1002277.3170250766	36.621587413307324	-102.0030715	242227.0603858054	390068.69188557	3671.507969806112	3513.537271	3449.3379395962197	3454.160831821378	34.1993308261026	59.3738675475198
50	319	23370	-338601.1413	1002277.3170250766	36.62161064274498	-102.007303	242428.1487595026	4390064.335887107	3666.083504305724	3512.211341048973	3443.9018258670208	3450.8333830796985	36.717505967274374	59.3738675475198
51	319	23371	-332841.1413	1002277.3170250766	36.6216338695068	-102.006839	242629.2687630523	4390064.335887107	3668.611498424594	3510.827869494549	3443.9018258670208	3450.8333830796985	36.717505967274374	59.3738675475198
52	319	23372	-332781.1413	1002277.3170250766	36.6216569593931	-102.0060477	242830.3472435038	4390064.335887107	3669.060902510644	3509.539670499552	3443.9018258670208	3450.8333830796985	36.717505967274374	59.3738675475198
53	319	23373	-336621.1413	1002277.3170250766	36.62168006959587	-102.0037064	243031.4123519158	4390064.335887107	3670.520656180724	3508.2018162647582	3429.1422806495207	3444.2292145425941	70.09593561523756	63.97260132206384
54	319	23374	-335061.1413	1002277.3170250766	36.62170310822531	-102.0013651	243322.49970717303	4390064.335887107	3672.980404324524	3506.868014324524	3428.204332528256	3444.2292145425941	70.09593561523756	63.97260132206384
55	319	23375	-33501.1413	1002277.3170250766	36.6217611527585	-102.0089238	243260.674826343	4390064.335887107	3674.1498888225	3505.54189888225	3429.8471301568787	3444.2292145425941	70.09593561523756	63.97260132206384
56	319	23376	-334641.1413	1002277.3170250766	36.62174906906254	-102.0066825	243634.6756552217	4390064.335887107	3676.13932076234	3504.22402076993	3423.586006417227	3456.31106678917	71.8672921192031	67.90791487407605
57	319	23377	-333881.1413	1002277.3170250766	36.6217198245044	-102.008491	243826.2687630523	4390064.335887107	3678.126756989297	3502.917156121443	3434.50411706319	3454.23923685894	72.81370849286176	67.90791487407605
58	319	23378	-333321.1413	1002277.3170250766	36.62174950570534	-102.0081999	244036.5465894304	4390064.335887107	3679.921725324255	3501.621472545894	3435.644005793536	3450.8333830796985	72.81370849286176	67.90791487407605
59	319	23379	-332661.1413	1002277.3170250766	36.621817672464076	-102.0079588	244227.8326762062	4390064.335887107	3682.687723840392	3500.337169639471	3435.756462825758	3447.831618954846	64.5807057659532	52.50550586046103
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61	319	23381	-331341.1413	1002277.3170250766	36.6218631568166	-102.0074576	244640.1040090418	4390064.335887107	3684.91812936375	3497.802661628952	3433.7096209430083	3445.233276114319	64.0132893826657	53.8306741432825
62	319	23382	-330681.1413	1002277.3170250766	36.6218858627902	-102.0072347	244841.18941239594	4390064.335887107	3685.814712525184	3496.5498516735856	3431.873909684972	3440.8446035214956	64.0132893826657	53.8306741432825
63	319	23383	-330021.1413	1002277.3170250766	36.62190850976233	-102.0070234	245042.2744990798	4390064.335887107	3686.858349821318	3495.6183819258416	3429.4483919258416	3435.756462825758	65.70542232451674	57.98852704642495
64	319	23384	-329361.1413	1002277.3170250766	36.621931100118096	-102.0067821	245243.2913189175	4390064.335887107	3687.9106949851219	3494.064053525259	3428.72035663129	3435.756462825758	65.70542232451674	57.98852704642495
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67	319	23387	-327381.1413	1002277.3170250766	36.62199862341954	-102.0060928	245846.6122781684	4390064.335887107	3691.40249642349	3490.3719681078637	3421.47223339143	3430.34837381753	70.09473471592073	60.0229427168838
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69	319	23389	-326061.1413	1002277.3170250766	36.6220434088818	-102.0056426	246248.779660413	4390064.335887107	3693.23802595009	3487.9283265568	3422.3889239056447	3431.3452930427822	80.0663011896468	57.98852704642495
70	319	23390	-325401.1413	1002277.3170250766	36.62206537717138	-102.0053904	246449.86297493704	4390064.335887107	3694.585404612544	3486.7052656411	3422.195641024334	3429.87517	63.5096245377703	57.98852704642495
71	319	23391	-324741.1413	1002277.3170250766	36.62208733328877	-102.0051375	246649.94928319094	4390064.335887107	3695.845871932318	3485.498751937768	3421.8871937768	3429.87517	63.5096245377703	57.98852704642495
72	319	23392	-324081.1413	1002277.3170250766	36.6221104786651	-102.0049216	246845.0289	4390064.335887107	3696.645657043063	3484.26571708351	3422.448273223118	3426.78102324988	60.814976523253	57.98852704642495
73	319	23393	-323421.1413	1002277.3170250766	36.62213245707232	-102.0046803	247053.11141545756	4390064.335887107	3697.843406328775	3483.041803839402	3422.178687483516	3425.51030959114	58.9894290042867	57.98852704642495
74	319	23394	-322761.1413	1002277.3170250766	36.6221545061013	-102.0044539	247254.19382711893	4390064.335887107	3698.956510540333	3638.022350179852	3421.829348173934	3425.51030959114	58.9894290042867	57.98852704642495
75	319	23395	-322101.1413	1002277.3170250766	36.6221766781069	-102.0042176	247455.2788974006	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
76	319	23396	-321441.1413	1002277.3170250766	36.6221987133333333	-102.0039853	247656.35770206115	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
77	319	23397	-320781.1413	1002277.3170250766	36.62222077777777777	-102.0037315	247857.489289059	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
78	319	23398	-320121.1413	1002277.3170250766	36.622243333333333	-102.0034779	248059.4520679233	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
79	319	23399	-319461.1413	1002277.3170250766	36.622265333333333	-102.0032383	248259.0616446703	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
80	319	23400	-318801.1413	1002277.3170250766	36.62228646512806	-102.0030491	248460.682405539	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
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82	319	23402	-317481.1413	1002277.3170250766	36.6223210466959	-102.0025804	248862.8433633363	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
83	319	23403	-316821.1413	1002277.3170250766	36.622335184	-102.0023467	249063.9234	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
84	319	23404	-316161.1413	1002277.3170250766	36.622353333333333	-102.0021012	249265.03028319094	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
85	319	23405	-315501.1413	1002277.3170250766	36.6223719575706	-102.0018744	249466.96337811818	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
86	319	23406	-314841.1413	1002277.3170250766	36.622391670399151	-102.0016443	249667.16213970984	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
87	319	23407	-314181.1413	1002277.3170250766	36.62241383700398	-102.0014107	249868.2412188025	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
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89	319	23409	-312861.1413	1002277.3170250766	36.622458113333333	-102.0009419	250269.3683535695	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
90	319	23410	-312201.1413	1002277.3170250766	36.62248027336192	-102.0007077	250471.47693721762	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
91	319	23411	-311541.1413	1002277.3170250766	36.622502333333333	-102.0004741	250673.946148904	4390064.335887107	3699.64779633674	3480.6103676366474	3422.594778065672	3422.594778065672	58.9894290042867	57.98852704642495
92	319	23412	-310881.1413	1002277.3170250766	36.62252544	-102.0002395	250873.6329391417	4390064.335887107	3699.64779633674	3480.6103676366474	3422.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
175	319	235495	-25601.1413	1002277.3170250766	36.624518614624023	-101.7080588	267562.254287241	4389548.481665922	3590.4422742755955	376.981070330545	3269.142031796148	327.3557939289603	87.8309363439733	106.62527650194215
176	319	235496	-25644.1413	1002277.3170250766	36.624175676753126	-101.7057134	267763.313069704	4389544.302	3587.155063330975	3376.04365655977	3269.771856690616	3269.80569406153	106.7427808750613	106.2344751042993
177	319	235497	-25681.1413	1002277.3170250766	36.62431620304075	-101.7033259	267896.370662941	4389540.187353658	3589.807786258094	3375.944588889876	3270.873843574426	3271.168954748236	104.22310348535124	102.925454
178	319	235498	-25741.1413	1002277.3170250766	36.62401062083046	-101.7013714	268165.4823687134	4389536.307346402	3580.15804320975	3374.14739178175	3269.937629412634	3274.5043901549125	104.2056997191146	99.6339398
179	319	235499	-25786.1413	1002277.3170250766	36.6242729690005	-101.698683	268366.5856883744	4389531.95502218	3576.041829708848	3373.1853314774417	3266.4278942739184	3276.561457223236	106.7574372052523	96.6238425391807
180	319	235500	-25834.1413	1002277.3170250766	36.624245346484976	-101.6963515	268567.5425326895	4389538.84053126	3570.251417192848	3372.2200738452943	3262.889634545885	3278.393470297313	109.3304395128931	93.8261998267016
181	319	235501	-25214.1413	1002277.3170250766	36.624628583782	-101.6940101	268768.5960268329	4389523.732312134	3564.064126705047	3371.284798979102	3259.534372416194	3280.1199010651094	111.753265628906	91.12889791399084
182	319	235502	-25148.1413	1002277.3170250766	36.6242799595859	-101.691686	268969.655760761	4389519.91905208	3568.670592160654	3370.267484148828	3256.402740350534	3283.240126555884	113.8649074397984	87.02752159296415
183	319	235503	-25081.1413	1002277.3170250766	36.624987123847165	-101.6893272	269170.7129512284	4389515.506114863	3558.27755252942	3369.27755252942	3255.38872314496	3285.055897650244	115.8895363594127	84.25175724531427
184	319	235504	-25016.1413	1002277.3170250766	36.62431425203634	-101.6869587	269371.781097638	4389511.392055489	3552.06705963583	3368.280922143237	3250.661824282624	3287.652463834885	117.6186572881004	80.8175432381613
185	319	235505	-24950.1413	1002277.3170250766	36.62433141592787	-101.6846422	269578.3823395256	4389507.280026374	3548.594837654753	3367.27963739169	3248.130865157344	3288.905181579014	119.1487711271344	78.4754858015492
186	319	235506	-24884.1413	1002277.3170250766	36.6243484841196	-101.6823028	269773.879531486	4389503.168	3547.12261835548	3366.279551488156	3245.762669	3288.718136461729	120.5168820107865	77.5611025068233
187	319	235507	-24818.1413	1002277.3170250766	36.6243550727959	-101.6799613	269974.330437442	4389498.15415935	3543.397810912997	3365.2877453700253	3243.4882672311433	3289.901388882026	121.7994871388882026	75.3858647177943
188	319	235508	-24752.1413	1002277.3170250766	36.62432851480996	-101.6776198	270175.9904013365	4389494.94242011	3538.4203685299	3364.3159789510028	3241.462778804519	3282.88403278596	122.8532004463569	81.43191162134315
189	319	235509	-24686.1413	1002277.3170250766	36.62439945730206	-101.6752784	270377.044669636	4389490.35627458	3533.4442716713275	3363.378710388386	3239.613786662829	3278.76779637876	125.8691350516544	89.99139075051644
190	319	235510	-24620.1413	1002277.3170250766	36.62441635456475	-101.6729369	270578.0996582837	4389486.71120928	3528.465568574267	3362.4658900816	3238.03031018293	3275.1755891121	124.46442098327	95.3281370773805
191	319	235511	-24554.1413	1002277.3170250766	36.6244332059505	-101.6705954	270778.154121857	4389482.69904143	3523.560407388153	3361.635694124447	3236.7597649196787	3282.428874749024	124.8795044276504	99.2869156484008
192	319	235512	-24481.1413	1002277.3170250766	36.624445001	-101.668254	270980.20364277	4389478.48989005	3518.72652436044	3360.815912220376	3235.6588962028	3258.95477476026	125.1570261907481	101.8069351606336
193	319	235513	-24422.1413	1002277.3170250766	36.6244667495829	-101.6659125	271181.2623877377	4389473.38143398	3513.892974138865	3360.01672111944	3234.665904104515	3256.038808498707	124.374680074296	103.9720846027346
194	319	235514	-24356.1413	1002277.3170250766	36.62448349129117	-101.663571	271382.316167646	4389470.278	3509.05942401288	3359.209217157796	3233.749472463475	3255.2307328283465	125.4597392914511	105.9748679294259
195	319	235515	-24290.1413	1002277.3170250766	36.624500162391534	-101.6612296	271583.3697134521	4389466.167	3505.770699915771	3358.403055557873	3232.809376860304	3251.4411379029004	125.5937228923308	106.9619226337795
196	319	235516	-24224.1413	1002277.3170250766	36.6245167882592	-101.6588881	271784.4230701244	4389462.057208795	3504.027160709445	3357.585017400375	3231.4525760619	3249.745914812182	125.75941388485831	107.8355795217301
197	319	235517	-24158.1413	1002277.3170250766	36.62453348089452	-101.656546	271984.4781611899	4389457.8451211	3502.947815147862	3356.72167171924	3230.45362711924	3248.294227194897	127.76591724441	109.83041627132015
198	319	235518	-24092.1413	1002277.3170250766	36.62454902476678	-101.6542051	272186.5290735159	4389453.87702587	3500.54096226906	3355.887212	3230.603952815227	3247.040631798899	125.283149042233	111.182579204612
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202	319	235522	-23828.1413	1002277.3170250766	36.624611593538494	-101.6448392	272990.7348889427	4389437.40146519	3506.904962300552	3352.1982930230056	3228.127917902527	3231.1452024039631	124.0711012327528	115.0490528190544
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208	319	235528	-23432.1413	1002277.3170250766	36.6247127052902	-101.6307903	274197.04575910897	4389412.75399354	3501.2574851033434	3345.919789	3219.394861410242	3220.820562	126.52492712720263	125.0992265331993
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211	319	235531	-23234.1413	1002277.3170250766	36.62476074835451	-101.6237659	274800.1963898772	4389400.43170533	3500.491039138005	3342.497958	3215.907168671007	3213.634231582383	127.0409406025949	128.8547106065706
212	319	235532	-23168.1413	1002277.3170250766	36.6247765049692	-101.6214244	275001.2461564237	4389396.326716583	3495.905004039694	3341.3217876256194	3214.052745476905	3212.1562703188883	127.26904214671456	129.165173067311
213	319	235533	-23102.1413	1002277.3170250766	36.62479250740623	-101.6190829	275202.2957014581	4389392.22048942	3491.40908174139	3340.128912516199	3213.066884825203	3210.73510695959	127.0619240876758	129.3635014663978
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215	319	235535	-22970.1413	1002277.3170250766	36.624824850552452	-101.6143999	275604.3941278178	4389378.910975792	3483.687930326553	3337.6879931942277	3210.7817667809722	3207.9966701098	126.9126124345546	129.7322454932954
216	319	235536	-22904.1413	1002277.3170250766	36.6248398667524	-101.6120584	275805.430955646	4389375.903169187	3481.864857918267	3336.46714346687	3210.511214236586	3206.563037311029	127.1469620291367	129.9891356135884
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRIEVLgths.f	BRIEVBolthg.f	SatHtLgths.f	SatHtBolth.f
300	319	23621	-172941.1413	1002277.310250766	39.26260107924691	-101.4130281	292893.8126	4389031.759937246	370.7567418928499	3002.528236498936	3093.0266431256387	3103.8896766866123	101.40159337329751	103.53859881232391
302	319	23622	-172281.1413	1002277.310250766	39.262622610293794	-101.4108685	235084.8423295072	4389027.67386828	3366.205038761139	3206.222967657193	3092.41791540592	3100.852707372212	113.80577811660101	103.5702633448807
303	319	23623	-171621.1413	1002277.310250766	39.2626330153017867	-101.4083489	283825.873489141	4389023.58862828	3361.4413669463782	3204.900737878188	3091.025343699758	3087.4008632	113.889545133140438	103.5390936938786
304	319	23624	-170961.1413	1002277.310250766	39.2626464136693455	-101.4060034	234366.9430991635	4389019.502410444	3365.465547566943	3203.6218907115885	3089.842210172451	3094.400661229616	113.7766093913764	109.2212203189198
305	319	23625	-170301.1413	1002277.310250766	39.26265783023816	-101.4036618	233697.3404866233	4389015.417020459	3351.4897888123237	3202.3260345592245	3088.4315780056054	3091.9028915948784	113.8944565539214	110.42214296343614
306	319	23626	-169641.1413	1002277.310250766	39.26266984214711	-101.4013202	233988.963925154	4389011.31856603	3346.5140282841304	3201.0292503041897	3087.359767826599	3089.7890941897	113.8894582028203	111.2402409104248
307	319	23627	-168981.1413	1002277.310250766	39.2626801807020445	-101.3989786	234099.9935342936	4389007.246918865	3341.6803189818298	3199.7256128973184	3086.193752562513	3088.1062499402383	113.83186013476716	111.5632670798307
308	319	23628	-168321.1413	1002277.310250766	39.2626924665817	-101.3966371	234301.0229771034	4389003.162	3336.988658612928	3198.4139457199134	3085.558090173522	3085.909595705385	112.855851016622	111.1079883682984
309	319	23629	-167681.1413	1002277.310250766	39.262610415169027	-101.3942655	234502.5522626243	4388999.077721721	3332.2969882897812	3197.911361862785	3084.9348623168426	3085.733852521628	112.05833369691517	111.35727368429546
310	319	23630	-167001.1413	1002277.310250766	39.262611563	-101.3919539	234703.08125423694	4388994.9632427	3327.6053767949396	3195.75478306278	3084.42180330513	3085.8718521269396	111.336767502776534	109.8545309934576
311	319	23631	-166341.1413	1002277.310250766	39.26261705415744	-101.3896123	234904.1100910138	4388990.90428961	3323.705022633367	3194.409815	3084.2422009584832	3084.6147041481	110.1760683265062	109.89591499591375
312	319	23632	-165681.1413	1002277.310250766	39.262613843	-101.3872708	235105.1387266225	4388986.825267108	3320.59602549109	3193.0508833882186	3083.64395318568	3084.581504844847	109.4521706950646	108.5283754377144
313	319	23633	-165021.1413	1002277.310250766	39.26261497631181	-101.3849292	235306.1671613281	4388977.420240526	3317.4887270420358	3191.6793201075343	3083.5942584101276	3084.949750648194	108.08479169740667	107.113822559017
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317	319	23637	-162381.1413	1002277.310250766	39.262619464779135	-101.3756929	236110.2788953288	4388966.40997636	3312.0683112337154	3186.05738268548	3082.067478638332	3086.087231919165	99.96427043021608	99.9649507663157
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320	319	23640	-160401.1413	1002277.310250766	39.262627823302481	-101.3685381	236713.36059629003	4388951.360132122	3313.9776218257393	3181.67930566606	3080.9265671738216	3086.7947428773419	94.84189751715036	94.84189751715036
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323	319	23643	-158421.1413	1002277.310250766	39.26263249323516	-101.3615078	237329.7628412241	4388941.19669599	3318.474362901178	3178.41238977749324	3084.220071848788	3085.22821887888	89.2775789774869	89.2775789774869
324	319	23644	-157761.1413	1002277.310250766	39.26263714480001	-101.3591718	237517.4657424166	4388937.83766051	3320.228950502054	3175.653211342687	3077.0038375067762	3078.3179575306	87.6435362742519	87.2414155678093
325	319	23645	-157101.1413	1002277.310250766	39.2626223942894	-101.3568302	237718.4927235715	4388933.756697125	3323.438698327059	3172.33869839277	3072.564846012399	3072.83243804954	86.15154097152876	86.12911431789747
326	319	23646	-156441.1413	1002277.310250766	39.26262928487181	-101.3544886	237915.81624077	4388929.6506156	3323.64749604258	3172.5956413222993	3065.6560400934604	3065.97011489032518	84.9450012288392	86.0525289100151
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328	319	23648	-155121.1413	1002277.310250766	39.262631433989515	-101.3499054	238321.6597136534	4388921.51446124	3329.67668105778	3169.52875579834	3049.355842027655	3049.4982392188786	82.0305164975204	82.0305164975204
329	319	23649	-154461.1413	1002277.310250766	39.262636749894829	-101.3476688	238522.5949619309	4388917.435481028	3328.9471435481028	3168.9471435481028	3048.2200110420162	3048.2200110420162	80.2757879643976	80.2757879643976
330	319	23650	-153801.1413	1002277.310250766	39.26263140532945	-101.3451237	238723.35171987	4388910.234517287	3324.100322447	3168.2345171987	3047.1331035	3047.1331035	78.43219490719005	78.43219490719005
331	319	23651	-153141.1413	1002277.310250766	39.26263460335072	-101.3427807	238924.64496641816	4388909.27266027	3327.82194843421	3164.3047340470877	3027.174698	3026.323991451624	76.33075603552776	76.33075603552776
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333	319	23653	-151821.1413	1002277.310250766	39.262636994	-101.3380975	239326.6940328054	4388901.11877904	3327.37364327632	3161.8762801405143	3034.649918715266	3034.486916341347	72.2263742524852	72.2263742524852
334	319	23654	-151161.1413	1002277.310250766	39.26263731947149	-101.3357559	239527.7183463586	4388897.030204215	3329.169367925648	3160.349625504897	3030.3823378654526	3030.3823378654526	70.2263742524852	70.2263742524852
335	319	23655	-150501.1413	1002277.310250766	39.26263876775939	-101.3334413	239728.7244133225	4388892.960432824	3328.236157757885	3159.834532039205	3030.3795746977507	3030.3795746977507	68.17789327120346	68.17789327120346
336	319	23656	-149841.1413	1002277.310250766	39.26263949898429	-101.3310277	239929.7628412241	4388889.80491123	3328.9471435481028	3158.9471435481028	3030.2200110420162	3030.2200110420162	66.15154097152876	66.15154097152876
337	319	23657	-149181.1413	1002277.310250766	39.26264019855669	-101.328711	240130.79	4388884.80391903	3327.918187	3158.77956343488	3026.1589761029795	3026.1589761029795	64.0596265338083	64.0596265338083
338	319	23658	-148521.1413	1002277.310250766	39.26264180112578	-101.326395	240331.813438051	4388880.72595398	3327.249726994576	3154.257825502144	3026.8440110183974	3027.727269993437	61.4152736903697	61.4152736903697
339	319	23659	-147861.1413	1002277.310250766	39.26264285548473	-101.3240479	240532.8367215977	4388879.652452379	3327.098383776992	3152.735729510893	3026.889946473186	3026.889946473186	59.45849793034576	59.45849793034576
340	319	23660	-147201.1413	1002277.310250766	39.26264386705357	-101.3217063	240733.8580997993	4388875.57073033	3328.18147755	3151.2140173077187	3026.1090015107043	3026.1090015107043	57.450515970144	57.450515970144
341	319	23661	-146541.1413	1002277.310250766	39.262644733785736	-101.3193647	240934.88270286814	4388874.9395818682	3328.9187174262801	3149.1758831303216	3026.9857047398127	3027.1012678781854	55.42854784909508	55.42854784909508
342	319	23662	-145881.1413	1002277.310250766	39.2626457899977	-101.3170231	241135.9054010844	4388864.614960152	3328.176550535316	3148.174929350429	3026.530917952496	3026.530917952496	53.6439147867297	53.6439147867297
343	319	23663	-145221.1413	1002277.310250766	39.2626467349898429	-101.3146818	241359.7628412241	4388865.383613358	3328.9471435481028	3147.9471435481028	3026.2200110420162	3026.2200110420162	51.42854784909508	51.42854784909508
344	319	23664	-144561.1413	1002277.310250766	39.2626478665178	-101.3123399	241537.9502132365	4388864.2631105851	3324.062780521986	3145.1471291265534	3026.825047205817</			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
427	319	235747	-89781.14133	1002277.3170250766	36.27214525556913	-11.179852	18222.1443130295	43885.18693657423	321.535778014278	304.648520845676767	2941.2101332404695	2939.982978789305	106.64195132720715	106.68910578407151
428	319	235748	-89721.14133	1002277.3170250766	36.27215136759975	-11.119643	18423.15101779817	43885.14636	322.01196343025332	304.8941856262893	2938.771919688868	105.9648017662169	107.12299723042023	
429	319	235749	-89661.14133	1002277.3170250766	36.27215472785038	-11.133302	18424.151078909727	43885.0378690927	323.081468857594	304.75325657232	2938.76673277116	106.03117913652748	107.6819358308376	
430	319	235750	-89607.14133	1002277.3170250766	36.27216351353648	-11.106436	18425.16389615515	43855.051423575	322.7864327655445	304.54326111019	2937.598603135807	105.96488594046	105.94682329743819	108.39534415297033
431	319	235751	-87141.14133	1002277.3170250766	36.27216951	-11.086187	191026.1700712746	43885.0246462335	321.960426033636	304.236633420287	2936.4385175804096	105.96488594046	105.7980160616757	109.39018802122828
432	319	235752	-86481.14133	1002277.3170250766	36.2721756932617	-11.106277	191227.1760693429	43884.0847726603	321.376604102633	304.02660302615	2935.2813457451084	105.96488594046	105.7980160616757	110.3760748860434
433	319	235753	-85821.14133	1002277.3170250766	36.27218313644466	-11.093354	191428.1818912252	43884.351215757	321.079222182477	303.9516803700216	2934.18135224701	105.96488594046	105.40848514530505	110.3359918716259
434	319	235754	-85161.14133	1002277.3170250766	36.27218722416485	-11.1015937	191629.1875371286	43884.029430038	320.208842620238	303.881441428181	2932.9767211400913	105.96488594046	105.2076931417896	109.4542066384273
435	319	235755	-84501.14133	1002277.3170250766	36.27219330872776	-11.095651	191830.1930072559	43884.026869385	320.533941454582	303.8175137899512	2931.94901538705	105.96488594046	105.2076931417896	109.4542066384273
436	319	235756	-83841.14133	1002277.3170250766	36.2721989035276	-11.0909104	192031.1963818166	43884.018330905	319.7665737104	303.540221382715	2930.853489810437	105.96488594046	105.2076931417896	109.4542066384273
437	319	235757	-83181.14133	1002277.3170250766	36.2722043214001	-11.094568	192232.20342101564	43884.017243296	319.994860166574	303.386481297157	2929.794365765752	105.96488594046	105.2076931417896	109.4542066384273
438	319	235758	-82521.14133	1002277.3170250766	36.2722102109946	-11.0922271	192433.2083505592	43884.017023844	320.334034228883	303.25663741900287	2928.741926616375	105.96488594046	105.2076931417896	109.4542066384273
439	319	235759	-81861.14133	1002277.3170250766	36.2722158460111	-11.089855	192634.231341513	43884.010677442	318.5273896442258	303.112025397516	2927.6440250207182	105.96488594046	105.2076931417896	109.4542066384273
440	319	235760	-81201.14133	1002277.3170250766	36.272221432974956	-11.087439	192835.217285002	43884.051942082	318.0122416438557	302.951693136572	2926.686102773546	105.96488594046	105.2076931417896	109.4542066384273
441	319	235761	-80541.14133	1002277.3170250766	36.27222698	-11.0852022	193036.222485109	43884.0170372318	317.4791093643257	302.752663174348	2925.778558881267	105.96488594046	105.2076931417896	109.4542066384273
442	319	235762	-79881.14133	1002277.3170250766	36.27223244092025	-11.082806	193237.2263937896	43884.057853	316.8194564268933	302.6181572702767	2925.1057216247377	105.96488594046	105.2076931417896	109.4542066384273
443	319	235763	-79212.14133	1002277.3170250766	36.272237666965	-11.0805189	193428.2304651412	43884.0537984167	316.01686644587	302.51646218132	2924.619744901293	105.96488594046	105.2076931417896	109.4542066384273
444	319	235764	-78561.14133	1002277.3170250766	36.27224334092086	-11.0781773	193639.234	43884.047445005	316.01686644587	302.51646218132	2924.619744901293	105.96488594046	105.2076931417896	109.4542066384273
445	319	235765	-77901.14133	1002277.3170250766	36.27224866273	-11.0758356	193840.2381840	43884.056904633	317.106616615426	302.2208874881398	2923.8172397144067	105.96488594046	105.2076931417896	109.4542066384273
446	319	235766	-77241.14133	1002277.3170250766	36.272254013232514	-11.073494	194041.2416364974	43884.0170372318	317.6529786924546	302.025186924868	2923.01873023136	105.96488594046	105.2076931417896	109.4542066384273
447	319	235767	-76581.14133	1002277.3170250766	36.27225928493243	-11.071523	194244.2405140324	43884.0378690927	317.844363959058	301.849456268066	2922.8058028014127	105.96488594046	105.2076931417896	109.4542066384273
448	319	235768	-75921.14133	1002277.3170250766	36.27226514104325	-11.0688107	194423.2482172157	43884.035059376	317.4791093643257	301.735474902209	2922.4547705758	105.96488594046	105.2076931417896	109.4542066384273
449	319	235769	-75261.14133	1002277.3170250766	36.27227032015854	-11.0662491	194623.2581145864	43884.051942082	317.4791093643257	301.735474902209	2922.4547705758	105.96488594046	105.2076931417896	109.4542066384273
450	319	235770	-74601.14133	1002277.3170250766	36.272275826314	-11.0641274	194825.2451063614	43884.024396392	316.851328889905	301.414396932225	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
451	319	235771	-73941.14133	1002277.3170250766	36.27227919389025	-11.0617857	195036.2567921151	43884.0170372318	316.851328889905	301.414396932225	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
452	319	235772	-73281.14133	1002277.3170250766	36.272284649038	-11.0594441	195237.2590535577	43884.0170372318	316.851328889905	301.414396932225	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
453	319	235773	-72621.14133	1002277.3170250766	36.27228965189775	-11.0571024	195438.2616470084	43884.0170372318	316.851328889905	301.414396932225	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
454	319	235774	-71961.14133	1002277.3170250766	36.2722942023324	-11.0547608	195639.2681656027	43884.0170372318	316.851328889905	301.414396932225	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
455	319	235775	-71301.14133	1002277.3170250766	36.27229963038744	-11.052419	195840.2681145864	43884.051942082	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
456	319	235776	-70641.14133	1002277.3170250766	36.2723046952635	-11.0500778	196047.274902084	43884.0170372318	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
457	319	235777	-69981.14133	1002277.3170250766	36.27230951383583	-11.0477358	196245.269961058	43883.97052	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
458	319	235778	-69321.14133	1002277.3170250766	36.2723142802739	-11.0453941	196443.27087027	43883.91057838	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
459	319	235779	-68661.14133	1002277.3170250766	36.272319073	-11.0430525	196642.271935217	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
460	319	235780	-68001.14133	1002277.3170250766	36.2723237049882	-11.0407108	196845.2733232845	43883.91057838	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
461	319	235781	-67341.14133	1002277.3170250766	36.2723283876346	-11.038392	197045.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
462	319	235782	-66681.14133	1002277.3170250766	36.2723332015854	-11.0360725	197245.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
463	319	235783	-66021.14133	1002277.3170250766	36.2723374971791	-11.033859	197445.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
464	319	235784	-65361.14133	1002277.3170250766	36.27234198258071	-11.0313442	197645.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
465	319	235785	-64701.14133	1002277.3170250766	36.2723464400611	-11.0290026	197845.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
466	319	235786	-64041.14133	1002277.3170250766	36.272350852193395	-11.0266609	198045.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
467	319	235787	-63381.14133	1002277.3170250766	36.27235521914267	-11.0243193	198245.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
468	319	235788	-62721.14133	1002277.3170250766	36.2723596458393	-11.0219716	198445.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
469	319	235789	-62061.14133	1002277.3170250766	36.2723640250682	-11.0196496	198645.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
470	319	235790	-61401.14133	1002277.3170250766	36.27236840515813	-11.0172943	198845.2766757	43883.969015216	317.4791093643257	301.735474902209	2920.50298260293	105.96488594046	105.2076931417896	109.4542066384273
471	319	235791	-60741.14133	1002277.3170250766	36.272372723	-11.0149526	199045.2766757	43883.969015216	317.4791093643257	3				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatfElev.f	SatfBoth.f
533	319	235873	-6621.141327	1002277.3170250766	36.27561540456564	-100.8229361	434547.6624984341	388009.202	2394.5275081225623	181.09822308482427	2807.8421671347737	2807.929479484406	3.2655099134690266	3.168743536386897
534	319	235874	-5961.141327	1002277.3170250766	36.2756197160027	-100.8205844	434578.64852151996	388005.1	2922.284796002601	2808.3269909894975	2809.691116345283	2.8831615029685054	1.2358745512146925	1.780795445
535	319	235875	-5301.141327	1002277.3170250766	36.27562367636414	-100.816259	434555.5466463352	388001.1	2905.803274725157	2808.902374725157	2809.3284815281437	2.9032624815281437	0.789095445	0.789095445
536	319	235876	-4641.141327	1002277.3170250766	36.275626983711	-100.815111	434570.6211468806	388006.1	2914.983510212435	2809.781768459174	2809.801768459174	2.807236371874006	0.436879970101122	0.436879970101122
537	319	235877	-3961.141327	1002277.3170250766	36.275626983712	-100.8135694	434351.60586518227	388005.1	2913.194046069917	2802.715432613918	2797.2356411196447	2.807144243074324	0.5488914042732845	0.5488914042732845
538	319	235878	-3321.141327	1002277.3170250766	36.2756264413402	-100.8112278	434552.5911052261	388005.1	2801.316972358763	2794.64812703471875	2806.076654934758	2.806076654934758	0.77684434738205	0.77684434738205
539	319	235879	-2661.141327	1002277.3170250766	36.27562494156284	-100.8088861	434753.576357024	388005.1	2906.820133098165	2798.786872101611	2791.626462756334	2.804680509231413	1.60409232777483	1.60409232777483
540	319	235880	-2001.141327	1002277.3170250766	36.275630894004	-100.806544	434954.56149478024	387981.001	2899.4261033266	2788.5971069348	2788.5971069348	2.801673672494036	0.72862033347105	0.72862033347105
541	319	235881	-1341.141327	1002277.3170250766	36.27562367636414	-100.804022	434555.5466463352	388001.1	2893.032072548368	2794.969391581013	2796.236355166074	2.796797875168573	0.789095445	0.789095445
542	319	235882	-681.1413269	1002277.3170250766	36.2756379279214	-100.801861	434564.531289957	387972.1	2884.639041773405	2793.14967152095	2793.889936057823	2.79078126015938	0.248735479051122	0.248735479051122
543	319	235883	-21.14132693	1002277.3170250766	36.275638166047	-100.7995194	435557.515955865	387968.1	2874.376074557382	2791.342923828225	2802.08550020769	2.786269159021295	0.923943022053617	0.5050738603001
544	319	235884	638.85867303514	1002277.3170250766	36.27562375690314	-100.7971777	435758.50047751947	387964.1	2867.3269555248	2789.52466409307	2781.15404484961	2.837619195911786	0.830694383434605	0.830694383434605
545	319	235885	1298.85867303514	1002277.3170250766	36.2756237	-100.7943631	435959.484850162	387960.1	2846.10393173471	2787.7456838253076	2781.21498533782494	2.806684843722455	0.546836148238223	0.546836148238223
546	319	235886	1958.85867303514	1002277.3170250766	36.275631763459	-100.7924944	436160.9609473999	387956.1	2837.772772497	2834.960903741874	2785.9809037608	2.78226949760587	0.4287611705493	0.4287611705493
547	319	235887	2618.85867303514	1002277.3170250766	36.27563460749518	-100.7901527	436361.45314523604	387952.1	2828.739964761473	2784.244619104517	2780.1620516071252	2.78049921368681	0.3786397403739107	0.3786397403739107
548	319	235888	3278.85867303514	1002277.3170250766	36.275635862497	-100.787111	436592.4371	387946.1	2822.42683942428	2782.519448024328	2775.706403196345	2.775538472001642	0.311889237893027	0.311889237893027
549	319	235889	3838.85867303514	1002277.3170250766	36.2756301126241	-100.7854694	436783.420854375	387944.1	2819.1326805037	2780.813699935036	2771.06426900372	2.77439092581758	0.246100943	0.246100943
550	319	235890	4598.8586730351	1002277.3170250766	36.2756272	-100.7831277	436964.0444854077	387940.1	2817.12319402514	2766.4131495374445	2766.147349258145	2.7679696315457028	0.1294835615457028	0.1294835615457028
551	319	235891	5258.8586730351	1002277.3170250766	36.275623808218	-100.7807861	437165.3879683057	387936.1	2838.6426625873	2769.418806020386	2771.2759608468	2.7617417823195633	0.155928375074088	0.155928375074088
552	319	235892	5918.8586730351	1002277.3170250766	36.2756219797143295	-100.7784444	437366.313036234	387932.1	2832.6366346398	2768.2751071290335	2760.065527512503	2.759142716032376	0.167394368369594	0.167394368369594
553	319	235893	6738.8586730351	1002277.3170250766	36.275615694728	-100.7761027	437567.3549415938	387928.1	2836.60575709719	2766.059003032344	2764.134781546852	2.763805302210745	0.1111849247136	0.124053728608922
554	319	235894	7238.8586730351	1002277.3170250766	36.27561059872565	-100.773761	437748.738375	387924.1	2835.655261429933	2766.059927489174	2766.622967517194	2.7607796757201945	0.387004761254957	0.387004761254957
555	319	235895	7698.8586730351	1002277.3170250766	36.275604245696	-100.7704757	437928.0284245696	387920.1	2834.36059234875	2765.05923358555	2764.5819030361474	2.760523881338548	0.350595592795653	0.350595592795653
556	319	235896	8558.8586730351	1002277.3170250766	36.2756001	-100.7690777	438170.3017334564	387916.1	2835.876354116176	2766.01030750995	2777.75679565537	2.78018028613737	0.0	0.0
557	319	235897	9218.8586730351	1002277.3170250766	36.27559403799716	-100.766736	438371.28577390895	387912.1	2836.003838355	2766.020088839913	2780.72118837219	2.78138767678998	0.0	0.0
558	319	235898	9878.8586730351	1002277.3170250766	36.2755874926816	-100.7643944	438572.268221384	387908.35	2828.61793018154	2766.030820711885	2778.98407226504	2.779313285791435	0.0	0.0
559	319	235899	10538.8586730351	1002277.3170250766	36.2755805	-100.7620527	438730.25632281	387904.1	2824.89231956714	2766.0472027156	2777.249401411995	2.777584927149208	0.0	0.0
560	319	235900	11198.8586730351	1002277.3170250766	36.2755730453515	-100.759711	438974.232983966	387900.1	2823.03641868728	2766.0594741226505	2775.7252037131426	2.775320572326487	0.037436991224567	0.037436991224567
561	319	235901	11858.8586730351	1002277.3170250766	36.2755665421893	-100.7575894	439175.858429846	387896.1	2821.8365817031	2766.05921819674	2773.03476818652	2.774068012926918	0.0446806012926918	0.0446806012926918
562	319	235902	12518.8586730351	1002277.3170250766	36.2755577884825	-100.7554777	439376.196585789	387892.1	2821.41863978	2766.077999505	2768.0235313718632	2.775137046504734	0.82544560989328	7.99024305068322
563	319	235903	13178.8586730351	1002277.3170250766	36.275547981471	-100.752686	439577.1783114226	387884.1	2820.94402232	2766.081263428763	2767.186908233056	2.776376694523065	0.142181095620053	0.142175937369753
564	319	235904	13838.8586730351	1002277.3170250766	36.2755387207535	-100.7503444	439778.159991555	387880.1	2822.841326209737	2766.079652053877	2765.2754216356964	2.754779201807586	0.210034612978897	0.210034612978897
565	319	235905	14488.8586730351	1002277.3170250766	36.2755290102949	-100.7480027	439979.141327592	387880.1	2820.19211923163	2766.0792554015	2768.022497717553	2.7481158387014284	0.272080638739763	0.2756691759716705
566	319	235906	15158.8586730351	1002277.3170250766	36.27551848612984	-100.745661	435018.126816358	387876.1	2894.612519764335	2766.09254250183	2743.672813014122	2.743074612306127	0.3197912961898	0.3197912961898
567	319	235907	15818.8586730351	1002277.3170250766	36.2755142246592	-100.7433193	435081.1037650337	387872.1	2895.298744987247	2766.038891273697	2741.3530958773777	2.741179347016712	0.34886954	0.34886954
568	319	235908	16478.8586730351	1002277.3170250766	36.2755071653986	-100.740977	435169.10277738	387868.1	2891.08509634875	2765.015702919081	2742.5819030361474	2.7405827389138548	0.357698835431	0.357698835431
569	319	235909	17138.8586730351	1002277.3170250766	36.2754855	-100.738316	435283.0657	387864.1	2892.868478347495	2765.986680017667	2743.748862520748	2.742552867768	0.328985401185654	0.328985401185654
570	319	235910	17798.8586730351	1002277.3170250766	36.275473656174	-100.7362943	435094.044394594	387860.1	2922.64403066012	2765.95205248526	2745.759538969367	2.748404926815808	0.301960905	0.301960905
571	319	235911	18458.8586730351	1002277.3170250766	36.2754612385295	-100.7339527	435185.027010647	387856.24	2924.7531283344	2765.9199827355824	2753.499927438334	2.74859937350447	0.221196075023267	0.221196075023267
572	319	235912	19118.8586730351	1002277.3170250766	36.2754483610574	-100.731611	435186.0074371805	387852.1	2923.18891946549	2765.866256768945	2749.8305525484598	2.74554372	0.2035707728434783	0.2035707728434783
573	319	235913	19778.8586730351	1002277.3170250766	36.2754305302004	-100.7292693	435186.087210641	387848.1	2921.62471545649	2765.8140735813	2751.782040530838	2.752614125837793	0.208675775451514	0.225263849335585
574	319	235914	20438.8586730351	1002277.3170250766	36.2754214246592	-100.7269277	435178.7679619056	387844.1	2920.055011287515	2765.754073529423	2753.673489506162	2.751720490032473	0.21674004292423	0.2448102333639035
575	319	235915	21098.8586730351	1002277.3170250766	36.275410713336	-100.724731	435169.10277738	387840.1	2918.42919399008	2765.640717399698	2753.499927438334	2.74859937350447	0.21674004292423	0.2448102333639035
576	319	235916	21758.8586730351	1002277.3170250766	36.275392323337	-100.7224433	435169.10277738	387836.1	2920.67405327887	2765.63861968844	2747.40523492046287	2.74917033014335	0.2253739234978656	0.2253739234978656
577	319	235917	22418.8586730351	1002277.3170250766	36.2753771829294	-100.7199027	4352390.074822795	387832.1	2921.59351142813	2765.521844022566	2755.946627569478	2.739346615661393	0.195276163277854	0.195276163277854
578	319	235918	23078.8586730351	1002277.3170250766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRElevBothKrg.ft	BRElevBothKrg.ft	SnHhBothKrg.ft	SnHhBothKrg.ft
679	319	235999	76538.85867307335	1002277.3170250766	36.62275962112027	-105.52789865	368870.7790215064	4387503.267	2693.5645626324226	2641.2701862182207	2607.3008229278958	2606.6470638449846	33.969383290324964	34.6231227323613
680	319	236000	77198.85867307335	1002277.3170250766	36.62275435	-105.5254449	369071.7453012431	4387499.265321195	2691.1208178542656	2640.69648031793	2603.7918245283567	2602.5335805432742	36.275321970345266	37.57325795781867
681	319	236001	77688.85867307335	1002277.3170250766	36.6227490926873	-105.5253232	369272.7161417504	4387495.265298977	2688.6770786328922	2638.9035041155972	2634.044582	2630.807742746434	38.840788722837392	39.20791751852735
682	319	236002	78518.85867307335	1002277.3170250766	36.62274367897437	-105.5208616	369473.6847300001	4387491.264155203	2686.233304914535	2637.7921636711765	2628.9330775205679	2628.2723289440044	8.575006241499389	9.51438777772067
683	319	236003	79178.85867307335	1002277.3170250766	36.622738274449904	-105.5185199	369674.65207709584	4387487.263651103	2690.28862532266	2636.7468181420495	2668.894373176102	2661.6339255684631		
684	319	236004	79838.85867307335	1002277.3170250766	36.62273282468777	-105.5161783	369875.62001666477	4387483.263369025	2700.845160410096	2635.784159852553	2662.8707581682715	2666.07593730114	0	
685	319	236005	80498.85867307335	1002277.3170250766	36.622727329687685	-105.5138366	370076.58880191384	4387480.263311655	2711.3882759963914	2634.911646470709	2651.5572697889274	2654.263054265256	0	
686	319	236006	81158.85867307335	1002277.3170250766	36.62272178944891	-105.5114495	370277.556630515	4387475.264239122	2721.9530012717732	2634.125095333108	2642.2617736485953	2643.2637341968396	0	
687	319	236007	81818.85867307335	1002277.3170250766	36.62271620397411	-105.5091533	370478.5240040268	4387471.264	2688.6770786328922	2638.9035041155972	2634.044582	2630.807742746434	38.840788722837392	39.20791751852735
688	319	236008	82478.85867307335	1002277.3170250766	36.62271057326956	-105.5058117	370679.452133044	4387467.26444228	2712.51094200366	2632.736459297637	2629.3436991379717	2628.526767339523	8.3252615965067	9.1096192368446
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690	319	236010	83798.85867307335	1002277.3170250766	36.622719917612015	-105.5021284	371081.4268705698	4387459.266363695	2706.195001074133	2631.4366850827914	2618.95765015805	2617.396928621497	12.4791200698652	12.06736541294382
691	319	236011	84458.85867307335	1002277.3170250766	36.62271304963284	-105.4997867	371282.394114228	4387455.267642574	2704.855627645274	2630.763427464969	2614.8806647231917	2615.3339213239504	15.4736125332149307	15.4736125332149307
692	319	236012	85118.85867307335	1002277.3170250766	36.62271675802865	-105.4974451	371483.361234994	4387451.269144529	2706.97109465879	2630.49300842839	2610.6491456378925	2611.3808927173733	19.40886236914216	18.66684181546589
693	319	236013	85778.85867307335	1002277.3170250766	36.622718174126265	-105.4951034	371684.3282330938	4387447.270899224	2709.452983	2629.2766626526386	2607.716994257174	2608.037337789817	24.23908736954234	24.23908736954234
694	319	236014	86438.85867307335	1002277.3170250766	36.62271758398612	-105.4927616	371885.29510872473	4387443.2728167465	2712.01405643684	2629.426353755661	2604.711351518761	2605.0844506119033	23.60518415698913	23.60518415698913
695	319	236015	87098.85867307335	1002277.3170250766	36.6227168891608254	-105.4904201	372066.2618620924	4387439.274807085	2714.45309565626	2627.454694530006	2601.728702433005	2602.006053855858	25.74676701919575	25.74676701919575
696	319	236016	87758.85867307335	1002277.3170250766	36.622716308992864	-105.4880785	372287.22849340446	4387435.278778885	2716.874974260905	2626.400631152472	2599.21129594025	2599.489178911093	27.181935212227434	26.91147713136295
697	319	236017	88418.85867307335	1002277.3170250766	36.622715786	-105.4857369	372488.195002865	4387431.27996201	2719.31647556263	2625.180724292484	2596.766896823864	2597.04042458945	28.4374636686232	28.1397170542635
698	319	236018	89078.85867307335	1002277.3170250766	36.6227151780482	-105.4833952	372689.161396796	4387427.282384949	2721.73230851195	2623.799516182958	2594.3420030317047	2594.608435178828	29.457513151260173	29.191081436777
699	319	236019	89738.85867307335	1002277.3170250766	36.622714564971975	-105.4810536	372890.1276570454	4387423.28598481	2716.255061611571	2622.20586671139	2592.36699591061	2591.914278813987	30.7668068612817	30.3365780384947
700	319	236020	90398.85867307335	1002277.3170250766	36.6227136715342	-105.4787119	373011.038021952	4387419.28918078	2702.82765	2620.542526561478	2589.33990519518	2589.1254039333943	30.90260149151382	31.417227765914
701	319	236021	90938.85867307335	1002277.3170250766	36.6227140282927	-105.4764529	373163.35847275	4387415.28547725	2698.547167455124	2618.91508270907	2587.51270874362704	2587.51270874362704	31.8822696975024	31.8822696975024
702	319	236022	91718.85867307335	1002277.3170250766	36.6227106934073	-105.4740287	373493.0257259597	4387411.29641785	2676.13761132306	2616.752101670712	2583.204836498485	2583.1172925877	33.5472651722708	33.5472651722708
703	319	236023	92378.85867307335	1002277.3170250766	36.622712688042849	-105.471687	373693.951122327	4387407.300370263	2673.21472233916	2614.7249791389147	2580.3674988053435	2580.206517642685	34.5733803341724	34.53626146846264
704	319	236024	93038.85867307335	1002277.3170250766	36.6227142395117	-105.4693544	373894.957145361	4387403.30455575	2680.740641298585	2612.719275551953	2577.648651758176	2577.4830247028463	35.076237963417	35.23620586176305
705	319	236025	93698.85867307335	1002277.3170250766	36.62271079297506	-105.4670037	374095.9271765392	4387399.308493617	2688.266819195261	2610.730548315358	2575.20568991255	2575.073326395466	35.283492310334	35.657217781256
706	319	236026	94358.85867307335	1002277.3170250766	36.62271014847464	-105.4646621	374296.8813865045	4387395.31564479	2696.792979102394	2608.842730935056	2573.381677985435	2573.1578912126735	35.44240800807716	35.6661968078316
707	319	236027	95018.85867307335	1002277.3170250766	36.62270949453525	-105.4623204	374497.8489491937	4387391.31807788	2698.814735338815	2607.913472758738	2571.5720874481784	2571.52868612919524	35.48886012919524	35.6661968078316
708	319	236028	95678.85867307335	1002277.3170250766	36.62270883169054	-105.4599785	374698.81862316904	4387387.32347023	2698.40463985926	2606.40961101604	2569.1067171	2569.1067171	35.6661968078316	35.6661968078316
709	319	236029	96338.85867307335	1002277.3170250766	36.62270818763313	-105.4576372	374899.7836688095	4387383.32762888	2698.8633975592693	2603.342037094232	2566.66567129902	2567.0770938206	35.7276996430155	36.86404329127618
710	319	236030	96998.85867307335	1002277.3170250766	36.62270752524074	-105.4552955	375109.7348309967	4387379.32472435	2697.3382361319123	2602.633263362591	2561.086509918985	2561.424172860324	35.4581852369025	35.4581852369025
711	319	236031	97658.85867307335	1002277.3170250766	36.622706858124083	-105.4529539	375301.7135	4387375.34008569	2693.153683	2601.4666209461193	2554.3482620872724	2554.4533572221815	37.11800267391885	37.0130476730084
712	319	236032	98318.85867307335	1002277.3170250766	36.62270618642396	-105.4506123	375502.676125198	4387371.340565451	2680.16542623394	2600.41047086729	2547.507408729643	2547.507408729643	38.290651052882	38.290651052882
713	319	236033	98978.85867307335	1002277.3170250766	36.622705510316843	-105.4482706	375703.6428	4387367.35214598	2687.177222	2594.459334474724	2542.568740204103	2542.568740204103	38.6889941802605	38.6889941802605
714	319	236034	99638.85867307335	1002277.3170250766	36.62270482927	-105.445929	375904.6072198043	4387363.35847275	2689.189911324785	2598.547167455124	2540.85450270907	2540.85450270907	39.0782696975024	39.0782696975024
715	319	236035	100298.85867307335	1002277.3170250766	36.62270441441465	-105.4436873	376105.57157112076	4387359.36712101	2697.8767819845937	2597.867819845937	2543.862932559	2543.862932559	39.3986502331584	39.3986502331584
716	319	236036	100958.85867307335	1002277.3170250766	36.62270345677532	-105.4412457	376306.539043936	4387355.32701572	2696.8515617194353	2596.8515617194353	2548.6956834716216	2548.6956834716216	39.4587825	39.4587825
717	319	236037	101618.85867307335	1002277.3170250766	36.622702760417032	-105.4389041	376507.5002002031	4387351.37907643	2696.58123230434	2596.025491975435	2553.067734135394	2553.067734135394	40.0787263259158	40.0787263259158
718	319	236038	102278.85867307335	1002277.3170250766	36.622702061362801	-105.4365624	376708.46401813615	4387347.38630236	2696.93500505002	2595.197467845893	2555.680841122603	2555.680841122603	39.6601400922726	39.6601400922726
719	319	236039	102938.85867307335	1002277.3170250766	36.62270138324823	-105.4342208	376909.4278989157	4387343.39369505	2700.0369630775514	2594.356634315558	2555.90358179588	2555.90358179588	38.4517415901253	38.4517415901253
720	319	236040	103598.85867307335	1002277.3170250766	36.622700654031748	-105.4318792	377110.919625478	4387339.402	2701.89458021681	2594.56122050543	2553.118713337149	2552.67398923457	40.81898128600724	40.81898128600724
721	319	236041	104258.85867307335	1002277.3170250766	36.6227000093935	-105.4295378	377312.9791713858	4387335.35847275	2698.547167455124	2598.547167455124	2548.6956834716216	2548.6956834716216	39.789619852	39.789619852
722	319	236042	104918.85867307335	100227										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	Wd.ft	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
50	320	236125	-327801.1413	1002937.3170250766	39.62376649	-101.9656399	24548.59482686875	430203.741	3595.89830485432	34.90.81125429791	3422.566930037251	3430.7430487192146	68.28435339253996	60.10807671057637
66	320	236126	-328041.1413	1002937.3170250766	39.6237689950752	-101.9632389	24548.6708692572	4301199.501034311	3590.157522	3489.635281784427	3420.1304654503264	3428.6913744768655	69.04079368	60.94391390157176
67	320	236127	-327381.1413	1002937.3170250766	39.62381146027661	-101.9609128	24550.762762349	430196.154573732	3588.34083962649	3481.9185871324215	3419.8185871324215	3427.9185871324215	68.8071488463548	60.5071488463548
68	320	236128	-327671.1413	1002937.3170250766	39.6238336715152	-101.9586158	24601.84631779314	430179.311028983	3587.65508518153	3427.2140905668337	3420.2620452570256	3425.7453112104	69.6473051	59.4695805562993
69	320	236129	-326061.1413	1002937.3170250766	39.62386524684548	-101.9562744	246252.92963816226	4301887.182717348	3587.566607148856	3486.0089670288944	3421.066705116827	3427.34685082275	69.0424131206733	68.284368219361927
70	320	236130	-325401.1413	1002937.3170250766	39.6238775231045	-101.9539333	246454.012125327	4301803.43726728	3584.80420905	3421.714410422846	3426.614651577081	69.0404540005164	58.19620335	68.284368219361927
71	320	236131	-324741.1413	1002937.3170250766	39.62390085	-101.9519197	24655.0953611733	430178.90467904	3584.80329052533	3483.6020561560363	3421.917727955547	69.0424131206733	58.19620335	68.284368219361927
72	320	236132	-324081.1413	1002937.3170250766	39.6239208755325	-101.9492053	24658.17810912107	430174.76	3584.80329052533	3483.6020561560363	3421.917727955547	69.0424131206733	58.19620335	68.284368219361927
73	320	236133	-323481.1413	1002937.3170250766	39.62394527733089	-101.9469088	24707.2604317453	430170.828	3583.07058698497	3481.19236776682	3420.86677886963	3423.391215274878	60.37768986914628	60.37768986914628
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75	320	236135	-322101.1413	1002937.3170250766	39.62398951209914	-101.9422262	247459.424666758	430162.35270955	3581.364627762114	3478.7954548661323	3419.552957	3420.59417339032	59.242497888253	58.20128153
76	320	236136	-321441.1413	1002937.3170250766	39.6240115753002	-101.9398848	24760.5059941376	430158.24722912	3581.52809510954	3477.5943434090373	3418.62555253599	3419.450510408987	58.96778155438484	58.96778155438484
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85	320	236145	-315501.1413	1002937.3170250766	39.6242087087775	-101.9188123	24947.0228891073	430120.28630923	3581.7028860861265	3467.91678125345	3409.3006954382745	3408.71606838779259	58.16106838779259	58.16106838779259
86	320	236146	-314841.1413	1002937.3170250766	39.62422962580375	-101.9164709	24961.3087057035	430116.850847718	3581.6993988681627	3465.442473136528	3405.590575537126	3405.590575537126	58.1587061115526	58.1587061115526
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96	320	236156	-308241.1413	1002937.3170250766	39.62444316	-101.8930569	25168.052338124	430075.1010086	3581.6963297267246	3457.79197688907	3394.32956236476	3394.32956236476	63.0187016330606	62.70214591403916
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109	320	236169	-299661.1413	1002937.3170250766	39.6247139									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatNetKgr.ft	SatNetBth.ft
190	320	236251	-245541.1413	1002937.3170250766	36.26246106169525	-11.6706172	270783.2748966678	4398963.90784364	3521.8472899361072	3360.43850213173	3236.4659501284714	3253.3745277297585	107.0593240341469
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192	320	236253	-244221.1413	1002937.3170250766	36.2627967359865	-11.665941	271185.3628249137	4398976.68548426	3519.5147	3358.9813362166	3234.2610278280274	3250.381779282495	107.8270153876396781
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194	320	236255	-242901.1413	1002937.3170250766	36.2631303693228	-11.662151	271587.4894994736	4398967.464192429	3507.6603474500777	3357.27186056194	3232.137878114506	3248.614620027231	107.850937074474378
195	320	236256	-242241.1413	1002937.3170250766	36.2632366989872	-11.6589095	271788.2369898876	4398963.35387931	3503.66437153613	3356.467425438165	3231.251231246398	3246.231378334225	107.86123020509142
196	320	236257	-241581.1413	1002937.3170250766	36.26334627	-11.656568	271989.5947349793	4398969.24	3502.403519241646	3355.63277732314	3230.3850788774316	3244.039078	107.87250988588246
197	320	236258	-240921.1413	1002937.3170250766	36.2636387	-11.6542265	272190.6481231113	4398965.13396805	3501.139555	3354.782439333072	3229.5694506351892	3241.8690111409895	107.88123096882724
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200	320	236260	-238901.1413	1002937.3170250766	36.2639642823656	-11.6495434	272592.7527505732	4398945.91839811	3500.589029	3353.0246020273267	3228.55232421611	3239.5801478055058	107.90748332704238
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212	320	236272	-231681.1413	1002937.3170250766	36.2658958592625	-11.6214449	275005.361925423	4398957.19389399	3495.75524002032	3340.35772874624	3213.666651140158	3213.013086674143	107.2268717344602
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221	320	236281	-225741.1413	1002937.3170250766	36.2673065	-11.6003709	276814.79765082036	4398950.76070985	3479.295232733473	3329.261505595101	3203.438894121454	3203.4889613164145	107.32826161829556
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228	320	236288	-221121.1413	1002937.3170250766	36.2683784788403	-11.58396	278222.124308633	4398951.944025327	3463.675167194603	3320.10382188876	3202.91983041913	3202.91983041913	107.40746506961972
229	320	236289	-220461.1413	1002937.3170250766	36.26852858144982	-11.5816384	278423.170986321	4398957.421212692	3459.74379856474	3318.7964574389885	3202.91983041913	3202.91983041913	107.418788467547768
230	320	236290	-219801.1413	1002937.3170250766	36.26868609780855	-11.5792969	278624.2156703859	4398953.73626917	3455.84995360026	3317.495657961484	3202.91983041913	3202.91983041913	107.4305549238012
231	320	236291	-219141.1413	1002937.3170250766	36.26883811287046	-11.5769563	278825.261024339	4398951.63698149	3452.707499	3316.20378781523	3202.91983041913	3202.91983041913	107.442688467547768
232	320	236292	-218481.1413	1002937.3170250766	36.2689811073842	-11.5746137	279026.3061607323	4398944.25324791	3451.341659576347	3314.8211448037163	3202.91983041913	3202.91983041913	107.454868467547768
233	320	236293	-217821.1413	1002937.3170250766	36.269134369445	-11.5723722	279228.4510792364	4398946.25565274	3449.915834561993	3312.9182611978	3202.91983041913	3202.91983041913	107.467068467547768
234	320	236294	-217161.1413	1002937.3170250766	36.2692797075652	-11.5699306	279428.3957815044	4398957.301	3445.533402216169	3311.44161985797	3202.91983041913	3202.91983041913	107.47927068467547768
235	320	236295	-216501.1413	1002937.3170250766	36.2694283231327	-11.567589	279624.40042664015	4398953.22917733	3445.533402216169	3311.44161985797	3202.91983041913	3202.91983041913	107.4914868467547768
236	320	236296	-215841.1413	1002937.3170250766	36.269576498305	-11.5652475	279829.484534891	4398947.12777369	3443.97623475361	3309.90499278422	3202.91983041913	3202.91983041913	107.50368467547768
237	320	236297	-215181.1413	1002937.3170250766	36.26972412512184	-11.5629059	280031.5288601862	4398945.06289822	3442.350383920204	3308.672397	3202.91983041913	3202.91983041913	107.51588467547768
238	320	236298	-214521.1413	1002937.3170250766	36.26987414797364	-11.5605643	280232.5724119766	4398940.92610918	3442.743331228413	3307.453176865117	3202.91983041913</		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
317	320	23637	-162281.1413	1002937.3170250766	36.2800798278189	-01.3755972	296114.36991353634	4389167.68110549	314.4456458626937	11585.3369781974994	3083.503031844486	3083.849339009041	10.3439694701337	10.487639750582
318	320	23678	-161721.1413	1002937.3170250766	36.2801670034866	-01.3732356	296315.3967082509	4389163.599	318.8841650246959	11583.862245369599	3083.5301024146696	3083.762441319277	10.35214695490231	10.01198600357183
319	320	23679	-161691.1413	1002937.3170250766	36.2802976287638	-01.370884	296516.4237044635	4389158.51341238	337.8806956950687	11582.9427286303	3084.136746523636	3083.2472863013	98.9898485	98.168784
320	320	23630	-160401.1413	1002937.3170250766	36.280400777105	-01.3853253	296717.45049911726	4389154.34140345	315.434965	1180.085125533058	3082.7040671924333	3082.671703233058	98.20082083417718	98.3114221391453
321	320	23631	-159741.1413	1002937.3170250766	36.28051571626664	-01.3662107	296918.4770955414	4389151.352769475	312.9893242836233	1179.431234804036	3081.489670246136	3081.9641569157897	98.02133692405227	98.62313802405227
322	320	23632	-159081.1413	1002937.3170250766	36.28062678245186	-01.363689	297119.50349293234	4389147.2704350018	310.722256716648	1179.522256716648	3079.55245260553	3079.673093807146	98.34813825	98.34813825
323	320	23633	-158421.1413	1002937.3170250766	36.28073559626586	-01.3615274	297320.5269914712	4389143.188917348	304.6959548918272	1176.403708020016	3076.7403732822468	3076.770879129125	96.6023713776906	96.62313802405227
324	320	23634	-157761.1413	1002937.3170250766	36.28084396377088	-01.3591858	297521.5557	4389138.107626824	326.4446169518162	1174.87680513789	3072.6761385165414	3072.947891137737	100.26071162124759	101.9298909001531
325	320	23635	-157101.1413	1002937.3170250766	36.2809516657801	-01.3568441	297722.59126857	4389135.02682471	326.1826819597158	1173.548216354582	3067.530878115244	3067.870861667528	100.4743221733788	100.4743221733788
326	320	23636	-156441.1413	1002937.3170250766	36.2810592334737	-01.3545025	297923.607091558	4389130.54572481	317.946529211429	1171.81022802504	3061.291814553023	3061.63248989544	110.518371593208	110.516692
327	320	23637	-155781.1413	1002937.3170250766	36.2811663278075	-01.3521608	298124.650014282	4389126.865112247	326.8301598040954	1170.273057580896	3054.2888315665378	3054.27996658777	110.0423419155186	115.93080697031252
328	320	23638	-155121.1413	1002937.3170250766	36.28127287976305	-01.3498192	298325.657708883	4389122.785	326.2615456406731	1168.75453308117	3046.2781275818757	3046.1574831416615	122.4573725624138	122.4573725624138
329	320	23639	-154461.1413	1002937.3170250766	36.281378978345	-01.347475	298526.8627187476	4389118.704566614	325.221445879673	1167.198566977777	3037.6025710420705	3037.19225170707	129.5999935349723	120.0193471607488
330	320	23630	-153801.1413	1002937.3170250766	36.281484265569	-01.3451359	298727.7075312162	4389114.346232965	324.1814402895747	1165.6631716360253	3028.365428155336	3028.333635976745	137.2982836938064	138.1303483835058
331	320	23631	-153141.1413	1002937.3170250766	36.28158962144704	-01.3427842	298928.7322484241	4389110.544823479	323.206481113032	1164.129995054813	3023.9526823158103	3022.9187249143375	140.173127491025	141.211745911583
332	320	23632	-152481.1413	1002937.3170250766	36.281694639118	-01.340458	299129.766647235	4389106.45441021	322.296553797428	1162.59469901944	3020.4099962090575	3020.4099962090575	134.186490328986	134.186490328986
333	320	23633	-151821.1413	1002937.3170250766	36.2817988540306	-01.3381109	299330.7808662149	4389103.38186838	3215.3866496275436	1161.0634650409324	3023.949112584187	3023.4324345590614	128.11435246818738	128.511240187104
334	320	23634	-151161.1413	1002937.3170250766	36.281900917218	-01.3357693	299531.3004912046	4389098.30715769	3205.476347875164	1159.53192568085	3036.921267567531	3032.367343527716	122.610658118555406	123.1548497386989
335	320	23635	-150501.1413	1002937.3170250766	36.2820060770665	-01.3334276	299732.828739783	4389094.22835459	3165.789863893816	1158.020413330516	3040.56914784635	3040.01926455013	117.3232658041677	117.9831482952081
336	320	23636	-149841.1413	1002937.3170250766	36.2821090100377	-01.331086	299933.562722315	4389090.14977706	3186.35323979106	1156.453069191074	3043.361343085202	3043.3229167606958	112.8618760696505	113.21534084298107
337	320	23637	-149181.1413	1002937.3170250766	36.28221149063464	-01.3287443	300134.38768971634	4389091.47142689	3176.907678995827	1154.497556855064	3046.6381058328	3046.102548002235	109.1344500197643	108.8472078327748
338	320	23638	-148521.1413	1002937.3170250766	36.2823158185874	-01.3264027	300335.899048549	4389081.593	3167.462031945497	1153.43782871354	3045.639245273777	3045.07697268197	107.7865534136179	105.3200556987601
339	320	23639	-147861.1413	1002937.3170250766	36.282430441458425	-01.323914	300536.9891919412	4389075.91540367	3207.77514039754	1152.59817835983	3048.098788269364	3048.098788269364	104.1400739806312	104.1400739806312
340	320	23640	-147201.1413	1002937.3170250766	36.2825162181801	-01.3217194	300737.944445236	4389073.87703319	3176.368319528994	1150.378007451584	3044.1292059331092	3043.102546893016	106.2445947003991	97.38037505611965
341	320	23641	-146541.1413	1002937.3170250766	36.2826168887295	-01.3193777	300938.9659926295	4389069.763029725	3185.454462198891	1148.851655072374	3041.9887709713335	3047.568573843458	106.4828041030496	91.2803769791523
342	320	23642	-145881.1413	1002937.3170250766	36.2827171080037	-01.317036	301139.900918816	4389065.63029725	3145.045622330518	1147.31593986003	3040.795184711527	3040.643897949123	106.5364027447623	90.9076903808022
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344	320	23644	-144561.1413	1002937.3170250766	36.2829136	-01.3123527	301542.034947812	4389057.529	3203.840387880711	1144.2967787453194	3038.228695296534	3038.367430470833	105.97390921566603	100.42934827446651
345	320	23645	-143901.1413	1002937.3170250766	36.283038441458425	-01.3098111	301743.9591071042	4389052.45272671	3207.019862598428	1143.279376214568	3036.635452579058	3036.635452579058	105.4525717188168	104.1400739806312
346	320	23646	-143241.1413	1002937.3170250766	36.28313135	-01.3076294	301944.195326837	4389049.37460511	3202.18193	1142.5952368511	3034.287456285214	3034.486250639074	104.387475727815	104.387475727815
347	320	23647	-142581.1413	1002937.3170250766	36.283231141559486	-01.3053277	302145.09944157326	4389045.30034956	3182.1227737528943	1139.769256820003	3035.2077873364994	3034.2511959392	104.5914734450356	98.4451348068107
348	320	23648	-141921.1413	1002937.3170250766	36.28330892046584	-01.3029861	302346.1730719285	4389041.22485352	3203.834937951257	1138.33097951257	3034.1802876435254	3034.6201602183244	104.150110377033	109.7031780871156
349	320	23649	-141261.1413	1002937.3170250766	36.28340592756006	-01.3006444	302547.1418373333	4389037.149	3243.544127797545	1136.8764721797455	3033.134757177164	3032.568454298458	103.74471500258126	100.7900178812474
350	320	23640	-140601.1413	1002937.3170250766	36.283502572784	-01.2983028	302748.1627	4389030.47343067	3256.254935137601	1135.4367907568585	3031.9409393914914	3027.57801718692	103.42769676536175	112.8598038316333
351	320	23641	-139941.1413	1002937.3170250766	36.28359875919618	-01.2959811	302948.183400059	4389028.996247377	3246.346030661447	1134.010773159131	3030.786244671793	3029.02725245	103.2244658971567	113.73546214440103
352	320	23642	-139281.1413	1002937.3170250766	36.28369441458425	-01.2936194	303150.203819412	4389024.8527671	3267.019862598428	1132.5978269392	3029.46379	3029.46379	103.134120452802	103.134120452802
353	320	23643	-138621.1413	1002937.3170250766	36.2837896571719	-01.2912778	303351.2243112264	4389020.849	3271.2888610733527	1131.19719702281	3028.268404495638	3028.184839630456	102.8969257271746	116.3130186172508
354	320	23644	-137961.1413	1002937.3170250766	36.283884473822	-01.2898361	303552.244480023	4389016.77403001	3274.70456239305	1129.84079580536	3026.708913766305	3021.3125597226883	103.0958208973446	117.4513958365132
355	320	23645	-137301.1413	1002937.3170250766	36.28398778521525	-01.2869594	303753.264392542	4389012.669970084	3278.820762678986	1127.42758884215	3025.2056207315445	3029.77481206293	103.773136687703	118.678367930213
356	320	23646	-136641.1413	1002937.3170250766	36.284070760707	-01.2842528	303954.284145204	4389008.626	3283.466080385064	1127.002180232595	3023.390816490086	3027.1418971346585	103.6284013741734	119.8181855678012
357	320	23647	-135981.1413	1002937.3170250766	36.28416670374835	-01.2819111	304155.30790396306	4389005.51572012	3288.1190380823062	1125.626992045405	3021.538380862644	3040.985375641351	102.641317821892	102.641317821892
358	320	23648	-135321.1413	1002937.3170250766	36.28425989444584	-01.2795969	304356.323908444	4389004.47268844	3295.768176780139	1124.3715718104	3019.83039318125	3020.057405713366	104.0143536997292	102.7146690276759
359	320	23649	-134661.1413	1002937.3170250766	36.2843598444021	-01.2769811	304559.449597724	4389001.66958361	3298.106217952578	1123.59781620474	3018.467311328972	3018.467311328972	103.75173058202	103.75173058202
360	320	23640	-134001.1413	1002937.3170250766	36.2844436887133	-01.2748861	304758.312391851	4389002.33174391	3297.880796177246	1121.404109692936	3016.481612	3016.481612	102.9692890771746	102.9692890771746
361	320	23641	-133341.1413	1002937.3170250766	36.28									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
433	430	236503	-7922.14133	1002937.3170250766	36.29058988561374	-01.0805259	312442.2901918103	388865.0466541955	372.2608512914812	3042.5020820743083	2923.6130289132307	2920.8508969556308	10.8889919107766	103.6511324921702
444	430	236504	-7856.14133	1002937.3170250766	36.290636306123324	-01.0781842	312643.29475170176	388860.924467938	373.428747959638	3026.80282658382	2923.154076111332	2920.315367	99.8258114320522	102.6491593042182
445	430	236505	-7841.14133	1002937.3170250766	36.2908168446234	-01.0759425	312164.2962376806	388865.938416198	372.4326248617983	3021.4326248617983	2922.814311570237	2919.866579170093	98.6340317012307	101.541787943182
446	430	236506	-7724.14133	1002937.3170250766	36.290698553015	-01.0735008	312005.30155057006	388862.884760968	375.7645412869524	3019.876176173941	2922.547653303387	2919.765321740093	99.851634100213	101.1229097384148
447	430	236507	-7658.14133	1002937.3170250766	36.290722537497	-01.071591	322246.3046895904	388863.831714925	375.6528120186763	3018.3049087634017	2921.917896243924	2920.182871328491	96.3877913900928	98.1220374349191
448	430	236508	-7592.14133	1002937.3170250766	36.290747638075	-01.0688174	322447.3076552866	388864.77768052	374.1621454117857	3016.721235305333	2921.453050687832	2920.2677346155422	95.6719158827402	95.6719158827402
449	430	236509	-7526.14133	1002937.3170250766	36.290826653477	-01.0664757	322648.3104667583	3888630.7248634	373.87700926162546	3015.126295706698	2920.684563960114	2921.970958512324	94.9176957465457	93.1471991433583
450	430	236510	-7460.14133	1002937.3170250766	36.2909078	-01.064134	322849.31307401575	388862.617932972	371.4782308147863	3013.519417328026	2919.5663199284786	2920.15988868509	93.930973995474	92.90324864
451	430	236511	-7394.14133	1002937.3170250766	36.29106282367	-01.0617823	323050.5155188845	388862.519286213	370.7894455220137	3011.899968747459	2918.50459180536	2919.404589957638	92.9213224665163	92.4954655176686
452	430	236512	-7328.14133	1002937.3170250766	36.29120397830111	-01.0594055	323251.3174696807	388861.56689203	370.1621047526373	3010.267703934456	2918.23553289472	2916.613816718167	92.17103789373	93.6503452662886
453	430	236513	-7262.14133	1002937.3170250766	36.2912039842347	-01.0571088	323452.318986321	388861.541710946	370.1581480492573	3010.681956255448	2917.392233823134	2914.806738335005	93.12227683835005	93.12282411689109
454	430	236514	-7196.14133	1002937.3170250766	36.2910783954686	-01.0547671	323653.3213072204	388861.462754915	370.4185775168362	3006.5622948334	2916.542623183158	2913.760404620594	93.177281022642	93.19599103132487
455	430	236515	-7130.14133	1002937.3170250766	36.291120352681	-01.0524254	323854.32359156	388860.614023999	370.73818778047	3005.272048160753	2915.981055072947	2912.796126071697	89.2099308	92.4759228005828
456	430	236516	-7064.14133	1002937.3170250766	36.29117268219	-01.0500837	324055.3218016745	388860.3595818745	370.546830698404	3003.5653956014	2912.306608001022	2912.306608001022	89.5455742051238	91.25873548001073
457	430	236517	-6998.14133	1002937.3170250766	36.29112249	-01.044742	324256.32659793284	388859.36812463	371.355516266755	3001.834046	2913.605462229594	2912.30719599961	88.2300435286068	90.4532971759726
458	430	236518	-6932.14133	1002937.3170250766	36.2911278188925	-01.0414003	324457.3204466783	388859.241518127	370.814615461511	3000.085103379628	2912.55133848022	2910.62812533981	87.5336618940618	89.45689284
459	430	236519	-6866.14133	1002937.3170250766	36.29113908669	-01.0403568	324658.3202408785	388859.263249527	370.6189740035175	2998.317054339036	2913.51921913389	2908.83299461873	86.95978352051452	88.4794097202534
460	430	236520	-6800.14133	1002937.3170250766	36.291367	-01.0407168	324859.329257916	388856.156	370.1195543796664	2996.53769544422	2910.454464079448	2908.4924968471123	86.012125860805	88.023510032156
461	430	236521	-6734.14133	1002937.3170250766	36.2914131309524	-01.0383751	325060.3306607344	388852.105363343	370.10521337828158	2994.6992687048437	2909.188665880509	2907.729865	85.9660325328038	86.969403528038
462	430	236522	-6668.14133	1002937.3170250766	36.2914506354766	-01.0360334	325261.3312253496	388857.050520793	369.8714336	2992.8605743135404	2907.7579647292414	2907.0070236788133	85.1020980482989	85.1020980482989
463	430	236523	-6602.14133	1002937.3170250766	36.2915054537621	-01.0336917	325462.3310202487	388854.005277643	391.8500835497352	2990.660701905358	2906.368170399536	2906.368170399536	84.61835193496636	84.61835193496636
464	430	236524	-6536.14133	1002937.3170250766	36.29154957155734	-01.03135	325663.331444055	388859.595572249	388.506339693143	2989.119461111438	2905.87173102847	2905.87173102847	83.726457024507	83.724309914
465	430	236525	-6470.14133	1002937.3170250766	36.2921324594754	-01.028478	325871.331750917	388851.382322313	398.6217344672546	2984.546420954094	2904.546420954094	2904.546420954094	82.1534062988023	82.1534062988023
466	430	236526	-6404.14133	1002937.3170250766	36.2921632899713	-01.026666	326065.3317861075	388851.65863837	398.627449576987	2985.296245569474	2902.72576256888	2903.015596701027	82.5704831259942	82.5704831259942
467	430	236527	-6338.14133	1002937.3170250766	36.29216819405884	-01.0242429	326266.3315024811	388850.80780601	398.848450251752	2983.35614438881	2901.1840247541704	2901.7343937936	81.71139019	81.6236980008747
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469	430	236529	-6206.14133	1002937.3170250766	36.2921767924696	-01.0196414	326668.330249609	38885.49	398.0284854962064	2988.17934058808	2988.898989570334	2901.782190811835	80.5281639258738	80.5281639258738
470	430	236530	-6140.14133	1002937.3170250766	36.2921813089046	-01.017297	326869.329640328	38885.462065876	397.600442441614	2977.427371903614	2898.085622902706	2896.5442818026284	79.4805328809708	79.4805328809708
471	430	236531	-6074.14133	1002937.3170250766	36.29218520911857	-01.014698	327079.3268621382	38885.131835957	397.204780861823	2976.204780861823	2898.546420954094	2898.546420954094	78.6184777038468	78.6184777038468
472	430	236532	-6008.14133	1002937.3170250766	36.29218520911857	-01.0121673	327271.331750917	38885.46	397.2773450917	2974.162902384152	2973.162902384152	2973.162902384152	77.8167173938468	77.8167173938468
473	430	236533	-5942.14133	1002937.3170250766	36.2921934640571	-01.0102746	327472.3262025054	38885.331438942	396.7473781246084	2971.397084323715	2892.391677669526	2892.4883730892053	77.003065248552	78.0911123136619
474	430	236534	-5876.14133	1002937.3170250766	36.2921934640571	-01.0079329	327673.324800139	38885.247089454	396.114495923147	2969.378779273904	2891.5527714229843	2891.573443700917	77.820605494067	77.820605494067
475	430	236535	-5810.14133	1002937.3170250766	36.29220150194038	-01.0055911	327874.3231710516	38885.24366044	396.0320918093376	2967.37019	2890.59160367995	2890.630973	76.7591736995212	76.7591736995212
476	430	236536	-5744.14133	1002937.3170250766	36.2922051648734	-01.0032944	328075.321374592	38885.277966584	395.742279064563	2889.540213684947	2889.17748708543	2889.17748708543	75.8667271752133	76.2291871210974
477	430	236537	-5678.14133	1002937.3170250766	36.2922051648734	-01.000977	328276.319470503	38885.172987796	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	75.060323	75.2870657638058
478	430	236538	-5612.14133	1002937.3170250766	36.29221324594754	-01.008574	328477.3170250766	38885.172987796	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	74.1647777038468	74.1647777038468
479	430	236539	-5546.14133	1002937.3170250766	36.2922170701375	-01.0062273	328678.3170250766	38885.172987796	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	73.1647777038468	73.1647777038468
480	430	236540	-5480.14133	1002937.3170250766	36.2922204908093	-01.0039826	328879.3125	38885.172987796	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	72.1647777038468	72.1647777038468
481	430	236541	-5414.14133	1002937.3170250766	36.2922245820075	-01.0016918	329080.308888522	38885.15004771	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	71.1647777038468	71.1647777038468
482	430	236542	-5348.14133	1002937.3170250766	36.29222871273135	-01.0099191	329281.307092428	38884.970394834	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	70.1647777038468	70.1647777038468
483	430	236543	-5282.14133	1002937.3170250766	36.29223191450616	-01.0066874	329482.3041306498	38884.909319425	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	69.1647777038468	69.1647777038468
484	430	236544	-5216.14133	1002937.3170250766	36.2922351249881	-01.0043157	329683.3010072185	38884.909319425	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	68.1647777038468	68.1647777038468
485	430	236545	-5150.14133	1002937.3170250766	36.2922393170250766	-01.002044	329884.3010072185	38884.909319425	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	67.1647777038468	67.1647777038468
486	430	236546	-5084.14133	1002937.3170250766	36.29224372769895	-01.0097832	330085.3010072185	38884.909319425	394.6424468195677	2885.542203376632	2888.485611233916	2888.542467913546	66.1647777038468	66.1647777038468
487	430	236547	-5018.14133	1002937.3170250766	36.29224803540451	-01.0074905	330286.3020672443	38884.7874	394.6424468195677	2885.542203376632</				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
569	320	236629	3938.858673033514	202937.3170250766	36.29375959153689	-100.785469	346767.4516151765	43881.45987155687	2840.651512658678	2770.1599618345776	2769.90132584472	947120233247042	9.67170283247042	
570	320	236630	4598.85867303351	202937.3170250766	36.2937596982834	-100.7831273	346988.43500534483	43881.41361255916	2838.108973803066	2774.353098738066	2764.799640856404	974629696323065	13.22696451577162	
571	320	236631	5258.85867303351	202937.3170250766	36.293759738198014	-100.780756	347109.418255745	43881.37535849041	2836.858200698145	2776.178913753583	2769.625600698145	974629696323271	16.92270584987616	
572	320	236632	5918.85867303351	202937.3170250766	36.29375977992306	-100.7784439	347370.0143545825	43881.33081912836	2833.88705057588	2779.0148460098	2764.003024307865	17.90065702931134	18.507143504732085	
573	320	236633	6578.85867303351	202937.3170250766	36.293759845966481	-100.7761021	347571.3843060639	43881.28949801574	2830.919868192585	2779.697273575554	2760.88271643285	13.640536179342274	13.81330535	
574	320	236634	7238.85867303351	202937.3170250766	36.2937599176097676	-100.7737604	347772.361713139464	43881.25884901585	2827.9532655014876	2766.664806062234	2766.885490740273	17.968756435	7.767747974153135	
575	320	236635	7898.85867303351	202937.3170250766	36.293759975299094	-100.7714187	347973.349767871014	43881.2318119122	2823.294494	2774.633009	2773.574523702251	17.94040540415	1.058485041	
576	320	236636	8558.85867303351	202937.3170250766	36.29377299324449	-100.7690939	348174.3323	43881.1718560415	2824.9443635096	2774.6214016754175	2781.459670	2782.802595852312	0	
577	320	236637	9218.85867303351	202937.3170250766	36.29377293658645	-100.7667562	348375.1464254407	43881.1376223278	2823.584792685374	2774.6141913269285	2786.16039418669	2781.28097118669	0	
578	320	236638	9878.85867303351	202937.3170250766	36.2937717234732	-100.7643935	348576.2969632702	43881.09762125998	2827.244942505647	2774.6093451275	2776.660598146574	2777.210661189537	0	
579	320	236639	10538.85867303351	202937.3170250766	36.29377010266746	-100.7620518	348777.2788319975	43881.0538	2824.023711848728	2774.60539956194	2774.928814105051	2774.33699188050	0	
580	320	236640	11198.85867303351	202937.3170250766	36.29377026466251	-100.75971	348976.260574984	43881.0171458412	2825.930678723238	2774.6008930162893	2774.404223183021	2770.03369074626	1.966689323685155	
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582	320	236642	12518.85867303351	202937.3170250766	36.293698593369	-100.7550266	349380.2242723241	43880.96743846	2829.744893004929	2774.5835086407897	2767.8563296373745	2768.1330258058664	1.6717900341511	
583	320	236643	13178.85867303351	202937.3170250766	36.29367778209854	-100.7526849	349581.2057615634	43880.936981982	2828.6442	2774.568915164692	2760.407322274428	2760.18165552014	16.712599289255929	
584	320	236644	13838.85867303351	202937.3170250766	36.2936985214636	-100.7503431	349782.1871057092	43880.9051188971	2828.536387010077	2774.5494602358094	2762.339435001714	2762.133695495702	21.810025234065508	
585	320	236645	14498.85867303351	202937.3170250766	36.2936981043256	-100.7480014	349983.1683049677	43880.875960508	2828.42664228544	2774.5349293278635	2744.992148278653	2744.91574002996	36.332818935617325	
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587	320	236647	15818.85867303351	202937.3170250766	36.29369380291819	-100.7433179	350385.1302669523	43880.815524395	2829.312102080175	2774.4564030152637	2735.44483893973	2735.298166174688	39.0800381795084	
588	320	236648	16478.85867303351	202937.3170250766	36.2936926059598	-100.7409762	350586.1113139466	43880.7933375526	2829.31885814536	2774.414491495958	2738.0475204313616	2739.427022266115	36.9697104659951	
589	320	236649	17138.85867303351	202937.3170250766	36.2936915438340	-100.7386345	350787.0917516527	43880.7715732919	2829.4556820997	2774.3670941807044	2741.2167131164315	2744.433964930585	33.1503486992291	
590	320	236650	17798.85867303351	202937.3170250766	36.2936903463283	-100.736258	350988.0723507597	43880.7504031362	2829.591125172754	2774.3131999974058	2743.9910461476394	2748.17788166984	30.32215349707251	
591	320	236651	18458.85867303351	202937.3170250766	36.2936891037025	-100.733951	351190.387095817	43880.7286911855	2829.7202448574074	2774.311313655263	2746.31054933499	2748.17788166984	42.38412735401086	
592	320	236652	19118.85867303351	202937.3170250766	36.29368791151156	-100.7316093	351390.0327015725	43880.7048417582	2829.853817333338	2774.105930122033	2748.351350671327	2754.629143458616	25.834920406765	
593	320	236653	19778.85867303351	202937.3170250766	36.293685648	-100.7292676	351591.0128077334	43880.6842700437	2829.916292350137	2774.10928336571	2750.118445257599	2753.342020665887	23.992480348971735	
594	320	236654	20438.85867303351	202937.3170250766	36.29368451341845	-100.7269259	351791.99271227425	43880.6540677211	2829.95489190529	2774.0263576556627	2751.756641101716	2750.67193424842	22.2697165454905	
595	320	236655	21098.85867303351	202937.3170250766	36.293683088325	-100.7245841	351992.975	43880.613677891	2829.951620683684	2773.932828984084	2753.02522963561	2748.557205	20.9871532447051	
596	320	236656	21758.85867303351	202937.3170250766	36.29368211993705	-100.722244	352193.9520937683	43880.5736602478	2829.9644464003	2773.828157124853	2753.61956649571	2743.4142062897040	20.2085847528186	
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598	320	236658	22978.85867303351	202937.3170250766	36.293679302571	-100.7167581	352595.910	43880.497520913	2829.982013270917	2773.603291095117	2753.61956649571	2743.4142062897040	20.2085847528186	
599	320	236659	23738.85867303351	202937.3170250766	36.2936783043954	-100.7145212	352796.890066677	43880.4573016951	2829.991384102845	2773.478677676274	2749.29915611248	2753.018606272835	24.13495116091914	
600	320	236660	24398.85867303351	202937.3170250766	36.29367648422884	-100.7128755	352997.8691473253	43880.421884369	2829.99171208945	2773.2573186987238	2746.748293307154	2753.73528012946	39.51847100443193	
601	320	236661	25058.85867303351	202937.3170250766	36.29367418920545	-100.7105338	353198.848056386	43880.372694306	2829.996273452503	2773.0515319541914	2744.18341845922	2752.88223278872	28.8681211028946	
602	320	236662	25718.85867303351	202937.3170250766	36.29367244892905	-100.708192	353399.8268	43880.33507514125	2829.97046943615	2772.8132770900356	2741.6194774686433	2751.46798008252	31.137995402095	
603	320	236663	26378.85867303351	202937.3170250766	36.2936706341637	-100.705893	353600.805505534	43880.2922340357	2829.967682243057	2772.5302316959747	2738.278934	2751.46798008252	31.137995402095	
604	320	236664	27038.85867303351	202937.3170250766	36.29366930751523	-100.703581	353801.783095817	43880.251385434	2829.9592248574074	2772.41013329138	2750.1502433499	2750.1502433499	31.137995402095	
605	320	236665	27698.85867303351	202937.3170250766	36.2936683663027	-100.7011669	354002.7622806141	43880.2195897831	2829.947812480527	2771.78763899205	2742.87682890336	2750.1502433499	31.137995402095	
606	320	236666	28358.85867303351	202937.3170250766	36.2936530542765	-100.6989251	354203.7044049933	4387.9997178	2829.93537107326	2771.304103	2752.062537914027	2752.062537914027	31.137995402095	
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609	320	236669	30338.85867303351	202937.3170250766	36.29364820028619	-100.691818	354806.6742562023	4387.958112589301	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
610	320	236670	30998.85867303351	202937.3170250766	36.2936468903024	-100.6894582	355007.0519001806	4387.958112589301	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
611	320	236671	31658.85867303351	202937.3170250766	36.2936454916536	-100.687178	355208.0519001806	4387.958112589301	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
612	320	236672	32318.85867303351	202937.3170250766	36.29364425798715	-100.6847748	355409.0519001806	4387.958112589301	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
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614	320	236674	33638.85867303351	202937.3170250766	36.29364180926016	-100.6800913	355811.5610827894	4387.969053498728	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
615	320	236675	34298.85867303351	202937.3170250766	36.29364058133953	-100.6777496	356012.538031446	4387.969053498728	2829.93062426258	2769.200679343494	2746.148234333885	2747.7268315291705	41.9032748124231	
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ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.ft	SatHtYsLogs.ft	SurfBoth.ft
698	320	236755	70938.8586730335	-020.9373710250766	69.28982861745726	-00.4904124	372090.2628915592	4387640.485862139	2709.315059673765	2599.801162752073	20.04974503847302	25.87519893929264
699	320	236756	70938.8586730335	-020.9373710250766	69.28982861745726	-00.4880707	372121.2226274472	4387636.484181353	2712.277363539674	2624.69873714383	25.96.96.7529791473	27.73107232090596
700	320	236757	70938.8586730335	-020.9373710250766	69.28982861745726	-00.485729	372402.1965615338	4387632.402654521	2716.432663385149	2652.4377708249216	26.94387413381139	28.63134933510905
698	326	236758	70938.8586730335	-020.9373710250766	69.28982861745726	-00.4838373	372683.17611313948	4387628.493304193	2721.02010253173	2621.9595615425746	25.92.02.06264	25.92.343860569678
699	326	236759	70938.8586730335	-020.9373710250766	69.289828619232115	-00.4810456	372884.12721475053	4387624.46278846	2730.1094843363273	2620.359171483898	25.90.037314539443	25.88.76656291787
700	326	236760	70938.8586730335	-020.9373710250766	69.289828619232115	-00.4787039	373095.0937	4387620.49404465	2730.5604985416367	2618.614325965847	25.87.136.72.10755	31.1477.26330127202
700	326	236761	70938.8586730335	-020.9373710250766	69.289828622654223	-00.4763622	373296.0594435558	4387616.502264505	2686.210517779546	2616.740852367708	25.84.15.2963844529	30.59334853080214
702	326	236762	70938.8586730335	-020.9373710250766	69.2898286233905	-00.4742025	373497.0211115088	4387612.506432372	2672.2636501757964	2614.766639064216	25.81.6266234730374	32.1477.26330127202
703	326	236763	70938.8586730335	-020.9373710250766	69.2898286233905	-00.4717678	373697.9696988538	4387608.510263492	2668.893496652379	2612.7320020384625	25.79.063835956996	33.63364981949259
704	326	236764	70938.8586730335	-020.9373710250766	69.28982729821632	-00.4683371	373898.960587557	4387605.514316443	2676.30382713316	2610.6785244909056	25.76.87.196.13.00556	33.80655158419159
705	326	236765	70938.8586730335	-020.9373710250766	69.28982898829679	-00.4669954	374099.9213925426	4387600.518927648	2683.712216742338	2608.64737207089097	25.74.6339250472997	33.80655158419159
706	326	236766	70938.8586730335	-020.9373710250766	69.2891445313848	-00.4646537	374300.8865793003	4387596.523092005	2691.121350815914	2604.9720020191314	25.73.21.5436360603	33.5296538132861
707	326	236767	70938.8586730335	-020.9373710250766	69.2890796274143	-00.4623216	374501.8516462216	4387592.516446216	2690.700185014439	2604.97185014439	25.72.28805796036126	33.60202461983356
708	326	236768	70938.8586730335	-020.9373710250766	69.28901442110563	-00.4599703	374702.8161659366	4387584.32759185	2682.48429785719	2603.38249785719	25.72.19221614116054	31.902814611347
709	326	236769	70938.8586730335	-020.9373710250766	69.288948462211053	-00.4567826	374903.7814216828	4387578.537921708	2674.196481783176	2601.991527223377	25.71.30.7030687319	29.859424568381
710	326	236770	70938.8586730335	-020.9373710250766	69.2888820117865	-00.4552869	375104.74613053474	4387580.543317007	2665.94778423113	2564.7141414134904	25.65.3564101934626	35.431740305029
711	326	236771	70938.8586730335	-020.9373710250766	69.2888154871658	-00.4529452	375305.7702024384	4387576.548931575	2656.23258611777	2599.7407223307046	25.68.9330884742	25.57.25720476803
712	326	236772	70938.8586730335	-020.9373710250766	69.2887483217529	-00.4506306	375506.6751915572	4387572.55	2672.061010528715	2598.81387138792	25.65.223440237323	25.50.37709088695
713	326	236773	70938.8586730335	-020.9373710250766	69.2886807	-00.4482619	375707.63864413973	4387568.506827477	2678.81649988465	2597.971734472585	25.64.8527810272466	25.49.8527810272466
714	326	236774	70938.8586730335	-020.9373710250766	69.2886126327802	-00.4459202	375908.6037783772	4387564.567	2685.187115249093	2597.183987596127	25.64.1868188114363	25.97.74681863764
715	326	236775	70938.8586730335	-020.9373710250766	69.2885441097138	-00.4435785	376109.56794474	4387560.57614734	2689.03328925836	2596.464343894835	25.64.339475841737	31.08698605180989
716	326	236776	70938.8586730335	-020.9373710250766	69.28847513427706	-00.4412368	376310.5319925392	4387556.58	2688.84173099718	2596.68073595877	25.64.498477417838	25.74.62969471105
717	326	236777	70938.8586730335	-020.9373710250766	69.28839778477113	-00.4387487	376512.6898292128	4387552.6898292128	2687.842935879137	2595.821703921127	25.63.9621703921127	31.08698605180989
718	326	236778	70938.8586730335	-020.9373710250766	69.2883338261628	-00.4365534	376712.4595835818	4387548.5944784	2688.45571523637	2594.17192896753	25.64.254332366179	31.08698605180989
719	326	236779	70938.8586730335	-020.9373710250766	69.2882564393518	-00.4342117	376913.422814889	4387544.1961062	2690.7223461289	2593.3688321527098	25.65.1688920109477	25.55.09749162292
720	326	236780	70938.8586730335	-020.9373710250766	69.2881947085546	-00.43187	377114.386099735	4387540.6094812	2694.090515257084	2592.569074408195	25.63.87972322273	25.53.446627642284
721	326	236781	70938.8586730335	-020.9373710250766	69.28811234711722	-00.4295283	377315.302215602	4387536.617213963	2697.990284382584	2591.702841868276	25.60.543917855495	31.1659923800979
722	326	236782	70938.8586730335	-020.9373710250766	69.2880518	-00.4271866	377516.31816444	4387532.6236568	2701.724253513488	2590.7960348636076	25.64.995032778645	25.49.7953185923105
723	326	236783	70938.8586730335	-020.9373710250766	69.2879794477113	-00.4244846	377717.2768948336	4387528.6898292128	2699.8211580873462	2589.8211580873462	25.63.9621703921127	31.08698605180989
724	326	236784	70938.8586730335	-020.9373710250766	69.287904477113	-00.4223032	377918.2765953574	4387524.62164039	2710.744253513488	2592.84387774774	25.62.9387122141939	31.08698605180989
725	326	236785	70938.8586730335	-020.9373710250766	69.28783399778754	-00.4201615	378119.2027	4387520.56016892	2717.479658271306	2587.64732504676	25.64.254332366179	31.08698605180989
726	326	236786	70938.8586730335	-020.9373710250766	69.2877604984783	-00.4178199	378320.1655330986	4387516.659827468	2720.216872639614	2586.590224864324	25.64.7269095161035	31.7829138485288
727	326	236787	70938.8586730335	-020.9373710250766	69.2876865467845	-00.4154782	378521.1282475147	4387512.669	2715.475396037661	2585.2903282729	25.64.24524165716	25.49.550426014708
728	326	236788	70938.8586730335	-020.9373710250766	69.2876211242709	-00.4131365	378722.0906485765	4387508.678	2719.2021	2584.04466112983	25.64.368279301383	31.08698605180989
729	326	236789	70938.8586730335	-020.9373710250766	69.2875732924248	-00.4107948	378923.0533032634	4387504.688075494	2706.9495110191586	2592.7653919591835	25.64.95683437518	31.08698605180989
730	326	236790	70938.8586730335	-020.9373710250766	69.2874916779342	-00.408461	379117.2768948336	4387500.698	2700.688942096388	2591.435451150225	25.62.701209474564	31.08698605180989
731	326	236791	70938.8586730335	-020.9373710250766	69.2873862161632	-00.4061114	379323.977525684	4387496.790709089	2694.13576551814	2580.084253877335	25.63.9621703921127	31.08698605180989
732	326	236792	70938.8586730335	-020.9373710250766	69.28731000254724	-00.4037697	379525.4000906886	4387492.71827573	2687.258675327073	2578.704231495024	25.62.45038537197	31.08698605180989
733	326	236793	70938.8586730335	-020.9373710250766	69.287233365472	-00.401428	379726.9021168362	4387488.787971815	2680.435355127728	2577.29793246657	25.62.729092922247	25.62.729092922247
734	326	236794	70938.8586730335	-020.9373710250766	69.28715621813935	-00.3990464	379927.864027314	4387484.739342688	2673.585486105187	2575.86458125625	25.64.76282545659	31.1892036073086
735	326	236795	70938.8586730335	-020.9373710250766	69.2870786476936	-00.3967447	380128.8258238143	4387480.750449005	2667.6352057015	2574.408582656944	25.62.9387122141939	31.08698605180989
736	326	236796	70938.8586730335	-020.9373710250766	69.2870005424248	-00.394403	380328.7875	4387476.76167367	2662.598402071134	2572.9578725945125	25.60.4347445554	31.08698605180989
737	326	236797	70938.8586730335	-020.9373710250766	69.2869242729268	-00.392168	380534.7489748336	4387472.81678136	2660.842935879137	2571.307030687319	25.61.30.7030687319	31.08698605180989
738	326	236798	70938.8586730335	-020.9373710250766	69.2868432270946	-00.3897196	380731.7105313157	4387468.748708981	2658.45804394309	2569.93705871087	25.60.251987302474	31.08698605180989
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740	326	236800	70938.8586730335	-020.9373710250766	69.2866840078084	-00.3850363	381113.633102509	4387460.83026337	2646.06752	2566.77826449808	25.61.17521082098	31.08698605180989
1	321	236801	-370941.1431	-035.9873710250766	69.2864048092764	-02.1155171	323582.8471442564	439066.513	3642.816717273137	3594.0974674862635	35.25.87972322273	35.25.87972322273
2	321	236802	-370281.1431	-035.9873710250766	69.28627020951614	-02.1131758	323783.9478165262	439066.358117603	3564.200935617936	3592.08779782826	35.25.87972322273	35.25.87972322273
3	321	236803	-369621.1431	-035.9873710250766	69.28614291979482	-02.1094831	323984.0422262032	439066.2038744125	3564.200935617936	3592.08779782826	35.25.87972322273	35.25.87972322273
4	321	236804	-368961.1431	-035.9873710250766	69.286012077071189	-02.1084931	324185.147745625	439066.054259758	3564.200935617936	3592.08779782826	35.25.87972322273	35.25.87972322273
5	321	236805	-368301.1431	-035.9873710250766	69.285941642919045	-02.1061518	324387.2473179833	439065.985174295	3564.200935617936	3592.08779782826	35.25.87972322273	35.25.87972322273</

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVELogsKrg.ft	BRIEVEBothKrg.ft	SurfBothKrg.ft	SurfBothKrg.ft
81	321	236881	-318141.1413	1035937.3170250766	36.259304013602304	-01.928206	248670.0547804863	4390338.8534475835	361.218339014484	3469.8789004912583	3412.2744875667545	3412.132638329474	57.60441292450378	57.74626218310856
82	321	236882	-317481.1413	1035937.3170250766	36.2595579687762	-01.9258486	248871.1372322337	4390334.71695444	3693.505102	3468.682720180572	3410.872531606551	3410.6277028022004	57.81018537620096	58.055937378371406
83	321	236883	-316821.1413	1035937.3170250766	36.25973752927614	-01.9236231	248972.2168272777	4390305.7688928414	3698.05162689273	3467.48214697813552	3409.6326833287053	3409.2684672289497	57.844026742284997	58.151357352686104
84	321	236884	-316161.1413	1035937.3170250766	36.259922773606	-01.9211817	249273.2962512097	4390303.445	3697.857502791614	3466.2766498345272	3407.795652374801	3407.515479	58.48008745666276	58.27110734036742
85	321	236885	-315501.1413	1035937.3170250766	36.2602087531911	-01.9188402	249473.7534807247	4390332.308845283	3696.664015	3465.063892	3405.7170021211055	3405.7169275752212	59.36489025859461	59.3496640447783
86	321	236886	-314841.1413	1035937.3170250766	36.2604247767131	-01.9164988	249675.4541943394	4390331.732624692	3694.75020191960794	3463.8430848275657	3403.8603893871817	3403.893442	59.97054555748704	59.94964244880655
87	321	236887	-314181.1413	1035937.3170250766	36.2606034379268	-01.9141573	249876.5379312514	4390331.03791211	3695.584083510851	3462.61382662632933	3401.955825	3402.0524452305096	60.36489035623386	60.56142013233696
88	321	236888	-313521.1413	1035937.3170250766	36.2608554663808	-01.9118158	250077.6111446384	4390309.390278214	3697.0065376819857	3461.375629792452	3400.0811429610712	3400.1702659497	61.2948833138055	61.20556129505738
89	321	236889	-312861.1413	1035937.3170250766	36.2610735142555	-01.9094744	250276.6589248677	4390305.7688928414	3698.427191853003	3459.84249646647	3398.1877841107063	3398.2684672289497	61.54017853889459	61.62077921430275
90	321	236890	-312201.1413	1035937.3170250766	36.2612843477101	-01.9071328	250479.7671066466	4390301.53322479	3699.84870624105	3458.871541566631	3396.358273229545	3396.358273229545	62.57777923437784	62.50667523284555
91	321	236891	-311541.1413	1035937.3170250766	36.2614981095645	-01.9047915	250680.8447175937	4390297.49785247	3698.131246761893	3457.604324	3394.361213666178	3394.4484076328163	62.837411066811735	63.1559167019364
92	321	236892	-310881.1413	1035937.3170250766	36.26217114934734	-01.90245	250881.922082075	4390293.345637963	3693.27469406384	3456.25589287564	3392.605283005705	3392.6345742931314	63.72030621993544	63.6870149
93	321	236893	-310221.1413	1035937.3170250766	36.2624192766994	-01.9001085	251082.9920031134	4390289.23056909	3688.418141708748	3455.0336405972257	3391.2887425770044	3390.8841311167775	64.7449633952135	64.1495048044817
94	321	236894	-309561.1413	1035937.3170250766	36.26261367	-01.8977617	251284.0706725103	4390285.0963477	3683.56158667536	3453.7288484634756	3389.510780471568	3389.510424347876	64.2180681278995	64.5942452
95	321	236895	-308901.1413	1035937.3170250766	36.2628348344883	-01.8954256	251485.1527	4390280.36330445	3680.420474984343	3452.4144023485374	3388.488188038536	3387.768145319466	63.7583344686345	64.6542821659973
96	321	236896	-308241.1413	1035937.3170250766	36.26305601348841	-01.8930841	251686.2290796393	4390276.83003196	3678.95625	3451.09011513187	3387.104846243407	3386.08537363389	63.9818507350505	65.0816175023684
97	321	236897	-307581.1413	1035937.3170250766	36.2632771	-01.8907427	251887.30521496004	4390272.69688378	3677.07408912656	3449.755576189037	3385.43376652871	3384.5582891275844	63.810966023128	65.1927870164522
98	321	236898	-306921.1413	1035937.3170250766	36.26352817777866	-01.8884012	252088.38115057876	4390268.56409598	3676.145374952618	3448.410194690275	3384.164523928477	3384.164523928477	64.2456704	65.2611172956818
99	321	236899	-306261.1413	1035937.3170250766	36.26371919225258	-01.8860597	252289.45675019303	4390264.431481242	3676.861613674	3447.053574784390	3382.650685768	3381.868387447273	64.4022062509204	65.18518713171728
100	321	236900	-305601.1413	1035937.3170250766	36.26394016134145	-01.8837183	252490.3215050913	4390260.29094769	3679.719206447626	3445.8653486654363	3380.75761843667	3380.75761843667	64.62927302285962	65.27962021113672
101	321	236901	-304941.1413	1035937.3170250766	36.26391085226186	-01.8813768	252691.6073062328	4390256.16936627	3682.57804422964	3444.3052276898115	3379.447893540154	3379.281066134357	64.65275834	65.0246115554641
102	321	236902	-304281.1413	1035937.3170250766	36.26381963879493	-01.8790353	252892.5827157014	4390252.50503526	3688.4343984172594	3442.917212121207	3378.17796697195	3378.17796697195	64.734745392561	64.774704224748
103	321	236903	-303621.1413	1035937.3170250766	36.263730578761	-01.8768223	253092.758842727	4390248.79033403	3690.427191853003	3442.754545454545	3378.17796697195	3378.17796697195	64.811300565538	64.8405710336858
104	321	236904	-302961.1413	1035937.3170250766	36.263423585491274	-01.8745254	253294.8313079114	4390243.71620998	3696.855465728414	3440.081617353335	3375.8226933428035	3375.8226933428035	64.5288021034588	64.1452937
105	321	236905	-302301.1413	1035937.3170250766	36.2644432844881	-01.8720109	253495.9054873282	4390235.08636678	3698.885518484734	3438.6413561088893	3374.833813	3374.833813	63.6344722813928	63.6344722813928
106	321	236906	-301641.1413	1035937.3170250766	36.26465026176675	-01.8696964	253696.97942318444	4390231.50965429	3685.8021350554	3437.185316745153	3374.01998865351	3374.1663357278103	63.1833179091649	63.01898140674094
107	321	236907	-300981.1413	1035937.3170250766	36.26485678671855	-01.8673729	253898.053115685	4390225.37774228	3688.427691351054	3435.7144591760343	3373.951950484283	3373.951950484283	62.1551200973267	62.1551200973267
108	321	236908	-300321.1413	1035937.3170250766	36.26505628593317	-01.8648964	254098.126650377	4390227.248	3685.58221380819	3434.230333	3373.0564355841216	3373.127534038077	61.173897124488576	61.1405734080243
109	321	236909	-299661.1413	1035937.3170250766	36.26526951569575	-01.8624654	254309.7054126212	4390218.18777633	3684.736727319843	3432.754545454545	3372.91649779574	3372.91649779574	59.8181794743987	59.7583344686345
110	321	236910	-299001.1413	1035937.3170250766	36.2654734764984	-01.8600303	254501.727123284	4390215.98777163	3683.87124294337	3432.229837	3372.91649779574	3372.91649779574	58.82452624269	58.82452624269
111	321	236911	-298341.1413	1035937.3170250766	36.2656576833434	-01.857962	254702.3454562695	4390215.7893415	3682.85198484076	3429.33215978622	3371.83438967373	3371.71763691417	57.897763030921	57.846789854033
112	321	236912	-297681.1413	1035937.3170250766	36.2658628267095	-01.8556205	254903.4179350876	4390210.7823415	3682.248474028461	3428.248474028461	3368.90564009311	3368.92931628293	58.94191361914936	59.324524355352
113	321	236913	-297021.1413	1035937.3170250766	36.2660864377517	-01.853279	255104.4901717918	4390206.598820415	3680.386102311156	3426.80712335689	3363.45376032685	3363.060900295177	63.3539201100437	63.80038063071158
114	321	236914	-296361.1413	1035937.3170250766	36.2662897964737	-01.8509375	255305.3621665849	4390202.49662667	3678.1524271025483	3425.434401190167	3362.105373290213	3361.77557576309	63.677862780347	63.7778625600786
115	321	236915	-295701.1413	1035937.3170250766	36.2664927028759	-01.848896	255506.6331967255	4390200.06603625	3677.602918215383	3424.23787398381	3363.825254895968	3363.825254895968	61.2048397878543	61.2048397878543
116	321	236916	-295041.1413	1035937.3170250766	36.2666991569575	-01.8464545	255707.7054126212	4390194.21122015	3676.81701254852	3423.754545454545	3362.91649779574	3362.91649779574	58.82452624269	58.82452624269
117	321	236917	-294381.1413	1035937.3170250766	36.2668997158185	-01.843913	255908.778901512	4390190.84396696	3673.87124294337	3422.229837	3362.91649779574	3362.91649779574	57.897763030921	57.897763030921
118	321	236918	-293721.1413	1035937.3170250766	36.2670878025785	-01.8415715	256109.8478301233	4390185.95	3672.005467330663	3421.343077199477	3364.307145233347	3366.378054066212	57.9302237614248	54.9503221327596
119	321	236919	-293061.1413	1035937.3170250766	36.26729980537554	-01.83923	256310.91861905414	4390181.820770267	3670.906492488233	3420.4365641790432	3362.818381782307	3365.49482697944	57.665182367333	54.5339397665911
120	321	236920	-292401.1413	1035937.3170250766	36.26750045017104	-01.8368885	256511.9892	4390177.699246206	3670.574339578484	3419.63025690355	3360.5867388812826	3365.593425201673	59.43313800927456	54.03682740187445
121	321	236921	-291741.1413	1035937.3170250766	36.2677006426444	-01.834547	256710.5974390248	4390173.71677665	3670.242227028496	3418.772149554405	3363.6997598454973	3363.6997598454973	57.665182367333	57.665182367333
122	321	236922	-291081.1413	1035937.3170250766	36.26790038279414	-01.8322055	256914.1256043172	4390169.44276624	3668.91429398362	3417.330231915753	3363.825254895968	3363.825254895968	58.94191361914936	58.94191361914936
123	321	236923	-290421.1413	1035937.3170250766	36.26810038279414	-01.829815	257105.859824562	4390164.589924562	3668.91429398362	3416.330231915753	3363.825254895968	3363.825254895968	57.897763030921	57.897763030921
124	321	236924	-289761.1413	1035937.3170250766	36.26828590512545	-01.827255	257316.2689547324	4390161.90218856	3667.87124294337	3415.330231915753	3363.825254895968	3363.825254895968	57.897763030921	57.897763030921
125	321	236925	-289101.1413	1035937.3170250766	36.2684688930506	-01.825181								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
207	321	237007	-234881.1413	1003597.317025076	36.283222501694605	-01.6331734	274004.2291332467	4389819.450008263	356.750098339673	334.26490493897187	321.267001968102	321.37866224378	126.71790742161693	123.602682136534076
208	321	237008	-234321.1413	1003597.317025076	36.28338555963485	-01.6303818	274205.2760951476	4389815.3422105545	355.589606071446	334.304733360584	321.850532684326	321.12038146963554	125.0044389625593	125.0044389625593
209	321	237009	-233661.1413	1003597.317025076	36.2833642436762	-01.6284982	274406.3266272209	4389811.2346041111	354.421833671457	334.34083696885858	321.338912416018	321.46532721488378	125.0453859261005	125.0453859261005
210	321	237010	-233001.1413	1003597.317025076	36.28337601770025	-01.621486	274607.3789418018	4389807.127	350.3257071071474	334.16653407025383	321.4089305100654	321.358676212563	127.5960352524729	127.3266614899753
211	321	237011	-232341.1413	1003597.317025076	36.28338656589809	-01.623807	274808.4285037304	4389803.20180999	350.33075113363996	334.549359050593	321.36450838172306	321.3230906681604	127.08431123332621	127.31838638243255
212	321	237012	-231681.1413	1003597.317025076	36.28402468865305	-01.6214654	275009.4477915764	4389813.923214	349.634096581441	333.966172117457	321.34040404881487	321.82807605343304	125.0453859261005	125.0453859261005
213	321	237013	-231021.1413	1003597.317025076	36.28418326587536	-01.61919238	275210.5268579246	4389814.806306484	349.95121059224635	333.28128341477	321.32638011877666	321.32137660214074	126.96432193368019	125.910263168054
214	321	237014	-230361.1413	1003597.317025076	36.28434139017908	-01.6167822	275411.5725980274	4389790.70196644	348.26144430320426	333.740581166753	321.8232633919385	321.16188882410414	125.12712777481434	125.02619292570654
215	321	237015	-229701.1413	1003597.317025076	36.28449993355156	-01.6144406	275612.6242668518	4389795.38389646	348.026269314987	333.849648676925	321.82051243554897	321.40433041118953	125.8225212488378	125.8225212488378
216	321	237016	-229041.1413	1003597.317025076	36.2846582355568	-01.6121099	275813.6773040306	4389792.48809962	348.245499017734	333.4369991	321.8026201344965	321.4065269674935	125.8378690477335	125.1734619717449
217	321	237017	-228381.1413	1003597.317025076	36.28481305140674	-01.6097574	276014.7209	4389787.38225728	348.46478827066	333.423699	3208.147131543832	320.6257871170605	124.237378486178	126.42938282669353
218	321	237018	-227721.1413	1003597.317025076	36.2849493693008	-01.6074158	276215.768641357	4389774.276371907	348.684074823672	332.189655126099	320.715998153233	320.26338715304	125.03765697283598	126.846278253485
219	321	237019	-227061.1413	1003597.317025076	36.2851252300384	-01.6050741	276416.8166161032	4389770.14733178	348.142147746105	333.045946753241	320.49142890778585	320.205383168151	126.031657635288	126.846278253485
220	321	237020	-226401.1413	1003597.317025076	36.28520806401976	-01.6027325	276617.8641377314	4389766.0662731	348.33899668277	332.901652952506	320.2478561162419	320.055967711863	127.21160413283178	127.63057852406428
221	321	237021	-225741.1413	1003597.317025076	36.2854355992445	-01.6003909	276818.91143952485	4389761.6158189865	348.1538456340493	332.8453965311524	320.6955521677955	319.9841891568579	127.7703783635954	126.846278253485
222	321	237022	-225081.1413	1003597.317025076	36.2856190176344	-01.5980493	277019.9585216095	4389757.850902228	348.0226945726218	332.147477482086	319.82147723202504	319.8529493524062	129.12530495403628	129.61798425966572
223	321	237023	-224421.1413	1003597.317025076	36.2857411590224	-01.5956707	277221.0053843772	4389753.75251278	347.8722575068548	332.825621407818	319.8590601772396	319.72589221836506	129.95621293055085	129.36239252421164
224	321	237024	-223761.1413	1003597.317025076	36.28589776037515	-01.5933661	277422.0502785437	4389749.54835083	347.5195884313921	332.5459341613921	319.868003202514	319.61148272330514	129.95621293055085	129.36239252421164
225	321	237025	-223101.1413	1003597.317025076	36.28605903093699	-01.5910244	277623.09842307	4389745.54441813	347.2811901359443	332.32127772	319.8740805024024	319.5122888024072	127.72469122509756	128.1488837022923
226	321	237026	-222441.1413	1003597.317025076	36.2862036060035	-01.5886828	277824.1446579442	4389741.40071719	347.0104214253737	332.1971349530763	318.894577819067226	319.43615764265022	127.6145965524032	127.6145965524032
227	321	237027	-221781.1413	1003597.317025076	36.28635580249616	-01.5863412	278025.190644963	4389737.33276187	346.961948105333	332.0691692332666	318.7132381	319.819481479	133.5374186206544	126.856319377158
228	321	237028	-221121.1413	1003597.317025076	36.28650264720348	-01.5839396	278226.2364	4389734.92373275	346.81765821837	331.9706895997	318.542430070714	319.3545540205357	134.1252939	125.8162841363142
229	321	237029	-220461.1413	1003597.317025076	36.2866598176344	-01.5816168	278427.32610024	4389731.270784	346.68456720904	331.828517183994	318.41688198910573	318.5682478674867	130.1648411405145	125.8162841363142
230	321	237030	-219801.1413	1003597.317025076	36.286809689542	-01.5793163	278628.327	4389725.0214903	345.85956252404	331.678335486615	318.1583670044791	319.4642663506993	125.2036350380176	125.2036350380176
231	321	237031	-219141.1413	1003597.317025076	36.2869603380524	-01.5769747	278829.32411039	4389720.92567393	345.848691703716	331.555086093545	318.0737957187214	319.8508770849636	124.73188487484236	125.0242607400247
232	321	237032	-218481.1413	1003597.317025076	36.2871102862161	-01.5746331	279030.4173081203	4389716.823226058	345.2142309855308	331.242039855308	318.0404519175545	319.147942985493	124.8276419375347	125.0242607400247
233	321	237033	-217821.1413	1003597.317025076	36.28725916408	-01.5722914	279231.4619878006	4389712.31109994	345.04180507507	331.0627471523165	317.7547177898453	318.8998002475736	125.0242607400247	125.0242607400247
234	321	237034	-217161.1413	1003597.317025076	36.28740894169	-01.5699498	279432.506	4389708.76192857	344.8738224061053	331.01591056378	317.8294295263736	318.8256298926417	126.085414137145	125.0242607400247
235	321	237035	-216501.1413	1003597.317025076	36.2875575195664	-01.5676788	279633.550958969	4389704.61584492	344.689977010765	330.92758136914	317.844419382843	317.8245186874867	127.3245186874867	125.0242607400247
236	321	237036	-215841.1413	1003597.317025076	36.2876925123384	-01.5654566	279834.547246535	4389700.416117385	344.5077429313487	330.792403125337	317.75024125337	317.75024125337	128.4515489624	125.0242607400247
237	321	237037	-215181.1413	1003597.317025076	36.2878531328104	-01.5629249	280035.638369487	4389696.315	344.254051302621	330.802713306696	317.6055674048548	317.606759111848	127.4313925841834	125.0242607400247
238	321	237038	-214521.1413	1003597.317025076	36.2880036815962	-01.5605833	280236.628137916	4389692.21932425	344.051096420361	330.672663995803	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
239	321	237039	-213861.1413	1003597.317025076	36.28814749754916	-01.5582417	280437.72551254963	4389691.13168355	343.8754951204476	330.5567836	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
240	321	237040	-213201.1413	1003597.317025076	36.28829836114006	-01.5559	280638.768637655	4389688.123481948	343.6920190790174	330.4354393675193	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
241	321	237041	-212541.1413	1003597.317025076	36.288449372726826	-01.5535584	280839.81162447634	4389679.91233703	343.538168213589	330.3443381489962	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
242	321	237042	-211881.1413	1003597.317025076	36.2885953123384	-01.5512168	281040.854357656	4389675.12126205	343.464545720904	330.248517183994	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
243	321	237043	-211221.1413	1003597.317025076	36.28873023771316	-01.5489751	281241.896743222	4389671.71241712	343.3961396110399	330.1709438	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
244	321	237044	-210561.1413	1003597.317025076	36.28887491974746	-01.5465335	281442.931764804	4389667.61793915	343.321067199103	329.94813526159	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
245	321	237045	-209901.1413	1003597.317025076	36.2889918937218	-01.5441918	281643.981367632	4389663.5339782	343.2471226505367	329.823697033919	317.071344226337	317.2421962595732	127.120175041434	125.0242607400247
246	321	237046	-209241.1413	1003597.317025076	36.28916253147	-01.5418502	281845.023233386	4389661.4423063	343.168383321762	329.661311245605	317.071344226337	317.2421962595732	127.120175041434	125.0242607400247
247	321	237047	-208581.1413	1003597.317025076	36.2893057401793	-01.5395908	282046.064943064	4389655.31592011	343.082640110414	329.582678587727	317.071344226337	317.2421962595732	127.120175041434	125.0242607400247
248	321	237048	-207921.1413	1003597.317025076	36.289448484616	-01.5371697	282247.1065	4389651.21657805	343.003612016724	329.504134131918	317.071344226337	317.2421962595732	127.120175041434	125.0242607400247
249	321	237049	-207261.1413	1003597.317025076	36.2895913771719	-01.5348958	282448.165478033	4389647.11924931	342.924645720904	329.424517183994	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
250	321	237050	-206601.1413	1003597.317025076	36.28973023771316	-01.5324386	282649.185834166	4389643.91892385	342.842968254575	329.3407380516858	316.62869498216596	317.243814238109	127.120175041434	125.0242607400247
251	321	237051	-205941.1413	1003597.317025076	36.28									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKt	BR/ElevBothKt	SatHtLogsKt	SatHtBothKt
332	321	17313	-151821.1413	1003597.3170250766	36.299982983642005	-101.3381244	299334.86789820646	4389303.654718162	3238.396955978675	3160.233865123497	3033.3238651441584	3032.9651982503397	126.9099729733882	127.268639837315755
334	321	237134	-151161.1413	1003597.3170250766	36.300032038162	-101.3357827	29935.89164856548	4389299.754654928	3216.784120257692	3158.69734627517	3036.6817390202167	3036.2811866262844	122.4103641942474	122.4103641942474
336	321	237135	-150501.1413	1003597.3170250766	36.3001358916268	-101.3314987	299736.512746569	4389295.496488778	3216.784120257692	3157.6521773438974	3036.6817390202167	3036.2811866262844	122.4103641942474	122.4103641942474
338	321	237136	-149841.1413	1003597.3170250766	36.3002385	-101.3310992	299597.938664208	4389291.477258058	3164.132635352504	3154.073371931089443	3036.0976291255996	3036.1541398334241	112.51539007245338	112.51539007245338
337	321	237137	-149181.1413	1003597.3170250766	36.30030411069185	-101.3287575	300138.9618663284	4389287.39184509	3167.603447606074	3154.073371931089443	3036.249568438238	3036.0854049324257	108.8528197623574	108.8528197623574
340	321	237138	-148521.1413	1003597.3170250766	36.3004430415454	-101.3264158	300339.984684987	4389283.26086677	3167.603447606074	3152.5275088381123	3036.470863732292	3036.4747867820763	105.09536240540603	105.09536240540603
339	321	237139	-147861.1413	1003597.3170250766	36.3005544620137	-101.3240741	300541.007617513923	4389279.182775287	3164.64655358116	3151.043826	3036.9622412514905	3036.922121959754	107.0815847938347	107.0815847938347
340	321	237140	-147201.1413	1003597.3170250766	36.30066457460952	-101.3217234	300742.0328645227	4389275.104910048	3171.278955465464	3149.517728053578	3042.941380738828	3040.7823968885055	98.7347672652402	98.7347672652402
341	321	237141	-146541.1413	1003597.3170250766	36.3007464197904	-101.3193807	300943.562706447	4389271.3427171047	3178.091751948815	3147.9542375782963	3046.970195051418	3053.8737478360157	107.0228186250546	107.0228186250546
342	321	237142	-145881.1413	1003597.3170250766	36.30084954103916	-101.317049	301144.0748239279	4389265.95868279	3184.90454464515	3146.471189047525	3039.71474889841	3045.2737578752347	106.7504907582347	106.7504907582347
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371	321	237171	-126741.1413	1003597.3170250766	36.30355627040036	-101.249139	306973.634796607	4389148.80326193	3277.113043	3105.4247356100925	3010.4923714465089	3007.206680658828	107.0177083124024	99.5809742745446
372	321	237172	-126081.1413	1003597.3170250766	36.30364291966655	-101.2467972	307174.651948326	4389144.73263257	3272.5472839195237	3104.065590205014	3011.3557027326771	3007.206680658828	107.0177083124024	99.5809742745446
373	321	237173	-125421.1413	1003597.3170250766	36.30373917168983	-101.2444555	307373.6820364433	4389140.66227783	3267.981523116389	3102.701625204949	3011.6488078982933	3007.206680658828	107.0177083124024	99.5809742745446
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376	321	237176	-123441.1413	1003597.3170250766	36.304019482942374	-101.2374033	307971.776044692	4389128.4543217641	3259.73797591249	3098.6684				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BREIElevKgr.ft	BREIElevBothKgr.ft	SeaThtElev.ft	SeaThtBoth.ft
439	321	23729	-68661.14133	1003597.3170250766	36.3094496635967	-101.0430646	24662.368027263	43887.9145020988	3113.9043802382303	2987.68892828422	2910.7058367459927	2909.0024756360754	86.28826508242941	88.6862179
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461	321	23761	-67441.14133	1003597.3170250766	36.30936117048695	-101.0368311	2565.8671936477	43887.862362777	3085.265392011	2994.268111046	2908.58302303917	2907.7806	85.4851350074341	85.88010716304529
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464	321	23764	-65361.14133	1003597.3170250766	36.3093679334177	-101.0313558	2566.7386705592	43887.7230385885	3084.470493189204	2905.1065784738214	2905.21065784738214	2905.1065784738214	83.2581297383141	83.2581297383141
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495	321	23795	-44901.14133	1003597.3170250766	36.310848257675	-100.9587607	3189.8613466007	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	40.050454536796	40.050454536796
496	321	23796	-44241.14133	1003597.3170250766	36.3108813893648	-100.956419	3209.8613466007	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	38.050454536796	38.050454536796
497	321	23797	-43581.14133	1003597.3170250766	36.3109114889356	-100.9540772	3230.30234278754	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	36.050454536796	36.050454536796
498	321	23798	-42921.14133	1003597.3170250766	36.3109411	-100.9517354	3250.276894133	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	34.050454536796	34.050454536796
499	321	23799	-42261.14133	1003597.3170250766	36.3109703091336	-100.9493936	3270.28185431287	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	32.050454536796	32.050454536796
500	321	23800	-41601.14133	1003597.3170250766	36.3109990723834	-100.9470318	3290.3275964106	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	30.050454536796	30.050454536796
501	321	23801	-40941.14133	1003597.3170250766	36.3110282629795	-100.9447385	3310.3697238319	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	28.050454536796	28.050454536796
502	321	23802	-40281.14133	1003597.3170250766	36.3110550025914	-100.9424363	3330.3697238319	43887.7610134076	3083.7617882684938	2984.631789	2902.4461925475867	2902.4461925475867	26.050454536796	26.050454536796
503	321	23803	-39621.14133	1003597.3170250766	36.3110825859699	-100.9400265	3350.3697238319	43887.7610134076	3083.7617882684938	2984.631789	2902.446192547586			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVEKgr.f	BRIEVEBoth.f	SatThKgr.f	SatThBoth.f
58	321	27385	14498.8586730351	-00.35987310250766	36.3117886256688	-00.7480001	49978.1954361253	438282.825514107	2886.83472053392	273.002386178663	2742.784990193731	2742.077334977196	30.217395981352183
586	321	27386	15158.8586730351	-00.35987310250766	36.3117764609958	-00.7456583	50188.1762541171	438282.763054053	2888.028927242275	2732.841300540108	2734.4252962391025	2735.8749291311026	39.87499112122506
589	321	27387	16188.8586730351	-00.35987310250766	36.3117676438983	-00.7431668	50598.1568276432	438282.7431	2732.86869191905	2732.0496185826352	2735.135381448021	2735.8749291311026	41.374876483403
588	328	27388	16478.8586730351	-00.35987310250766	36.311756743885	-00.7409748	50590.1355681575	438282.705808918	2789.726804000794	2772.841935051565	2736.532605204997	2738.411110908489	36.2850002025643
589	321	27389	17138.8586730351	-00.35987310250766	36.31174525247515	-00.7386633	50579.1170422062	438282.7637018714	2782.162465245033	2772.753876874386	2740.201242550372	2744.1681010666176	32.5265342301398
590	321	27390	17798.8586730351	-00.35987310250766	36.3117332781544	-00.7362912	50592.088183387	438282.715	2712.529950185503	2743.075070867325	2749.241302808941	2750.165120701004	23.4352102844964
591	321	27391	18458.8586730351	-00.35987310250766	36.311720851426	-00.7339494	51193.078281109	438282.684116643	2914.984780416029	2772.592273745335	2745.407898655432	2751.1843750891956	19.55477302004665
592	323	27392	19118.8586730351	-00.35987310250766	36.311707272888	-00.7316076	5131.9405823538813	438282.473002253	2913.425959712173	2772.500176829791	2747.250042067217	2754.0980254677894	25.25013376754023
593	323	27393	19778.8586730351	-00.35987310250766	36.3116946407445	-00.7295858	5151.96538644373	438282.505211168	2912.451131582162	2772.398746002794	2748.7462935308352	2753.874977916178	25.8524477192525
594	321	27394	20438.8586730351	-00.35987310250766	36.311680567925	-00.726524	5171.9617474406	438282.61455238	2910.50307909306	2772.28602465914	2750.02720371375	2752.259875644002	22.067530623177
595	323	27395	21098.8586730351	-00.35987310250766	36.31166662043256	-00.7245823	5196.96739636936	438282.611002885	2910.582700358827	2772.164571923807	2748.95367389334	2748.895367144385	21.1810655470304
596	321	27396	21738.8586730351	-00.35987310250766	36.3116513916652	-00.7222405	5219.7196722554	438282.391	2912.2213234784	2772.0299813401	2751.3514433137243	2747.2357944145124	20.67854420576917
597	321	27397	22418.8586730351	-00.35987310250766	36.311636790491	-00.7198987	5232.9835562461	438282.354709462	2911.88411739555	2771.88411739555	2751.1340939340207	2748.7497097548	26.95054407640742
598	321	27398	23078.8586730351	-00.35987310250766	36.31162119690735	-00.7175569	5259.934960141	438282.351	2915.4955972036	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
599	321	27399	23738.8586730351	-00.35987310250766	36.3116052	-00.7152151	5280.91367159574	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
600	321	27400	24398.8586730351	-00.35987310250766	36.3115887	-00.7128713	5350.91367159574	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
601	321	27401	25058.8586730351	-00.35987310250766	36.311571071737	-00.7105316	5320.91367159574	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
602	321	27402	25718.8586730351	-00.35987310250766	36.3115542950075	-00.7081898	5354.034840341816	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
603	321	27403	26378.8586730351	-00.35987310250766	36.3115364428807	-00.705848	5360.4282344703	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
604	321	27404	27038.8586730351	-00.35987310250766	36.31151813485296	-00.7035062	5380.0567355464	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
605	321	27405	27698.8586730351	-00.35987310250766	36.31149937441776	-00.7011644	5408.16847881775	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
606	321	27406	28338.8586730351	-00.35987310250766	36.3114801615762	-00.6988226	5420.762495491	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
607	321	27407	28998.8586730351	-00.35987310250766	36.311463790312	-00.6968177	5440.762495491	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
608	321	27408	29678.8586730351	-00.35987310250766	36.3114403786655	-00.6941391	5460.9171643315	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
609	321	27409	30388.8586730351	-00.35987310250766	36.3114198060401	-00.6917973	5481.0816957	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
610	321	27410	30998.8586730351	-00.35987310250766	36.311398716126	-00.6894555	5501.16731	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
611	321	27411	31658.8586730351	-00.35987310250766	36.311377112539	-00.6871137	5521.26508733464	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
612	321	27412	32318.8586730351	-00.35987310250766	36.3113553839682	-00.6847179	5541.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
613	321	27413	32978.8586730351	-00.35987310250766	36.3113330427954	-00.682432	5561.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
614	321	27414	33638.8586730351	-00.35987310250766	36.3113127175737	-00.6800784	5581.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
615	321	27415	34298.8586730351	-00.35987310250766	36.31128687668	-00.6777468	5601.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
616	321	27416	34958.8586730351	-00.35987310250766	36.311261705484	-00.6754048	5621.75346198584	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
617	321	27417	35678.8586730351	-00.35987310250766	36.31123861439	-00.673063	5641.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
618	321	27418	36218.8586730351	-00.35987310250766	36.3112143197067	-00.6707212	5661.516276160847	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
619	321	27419	36938.8586730351	-00.35987310250766	36.311189255712	-00.6683795	5682.05463536189	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
620	321	27420	37598.8586730351	-00.35987310250766	36.311163790312	-00.6659177	5702.14352520454	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
621	321	27421	38278.8586730351	-00.35987310250766	36.311137800833	-00.6636959	5722.22414539216	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
622	321	27422	38918.8586730351	-00.35987310250766	36.3111042	-00.6613541	5742.3523192	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
623	321	27423	39578.8586730351	-00.35987310250766	36.311082349676	-00.6590123	5762.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
624	321	27424	40238.8586730351	-00.35987310250766	36.31105668003	-00.6566706	5782.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
625	321	27425	40998.8586730351	-00.35987310250766	36.311026012281	-00.6543288	5802.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
626	321	27426	41558.8586730351	-00.35987310250766	36.311000992456	-00.6519187	5822.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
627	321	27427	42218.8586730351	-00.35987310250766	36.31097390312	-00.6496377	5842.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
628	321	27428	42878.8586730351	-00.35987310250766	36.310943020555	-00.647304	5862.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
629	321	27429	43538.8586730351	-00.35987310250766	36.310913018661	-00.6449517	5882.364368	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
630	321	27430	44198.8586730351	-00.35987310250766	36.3108833	-00.6426199	5903.1923440992	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
631	321	27431	44858.8586730351	-00.35987310250766	36.3108528	-00.6402781	5923.229216684382	438282.351474347	2914.481127449986	2771.7127427326204	2749.96507692113	2750.7423727894	21.75623503460736
632	321	27432	45518.8586730351	-00.35987310250766	36.3108218321848	-00.6379363	5943.4142503697	438282.351474347	2914.481127449986	2771.7127427326204			

ix	iy	x	y	Xrft	Yrft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIEvLogKms	BREIEvBothKms	LatInLogKms	SurfBothKms
711	321	237511	357511	96858.85867307335	1003597.310250766	36.3069451780139	-100.4529366	375309.7081110232	438777.758080255	2657.3114895031645	2556.892086236904	2556.892086236904	2557.248080245677	41.12831945776047	40.770747868883095
712	321	237512	357512	96858.85867307335	1003597.310250766	36.3068781037546	-100.4505948	375510.6723461995	438773.736796427	2663.9547838412227	2557.23776041758	2550.7164685142693	2550.898750181466	45.52129130079259	46.33901028132621
713	321	237513	357513	96858.85867307335	1003597.310250766	36.3068093082386	-100.4482531	375711.6364638195	438778.769736541	2658.980878170314	2556.843328711487	2548.767964731404	2548.9137188367194	49.76452828	49.61876163818105
714	321	237514	357514	96858.85867307335	1003597.310250766	36.3067423179038	-100.4459113	375912.6004661223	438775.789879874	2647.211372517309	2556.86692710309	2545.767124649164	2545.67435300994	50.427035342033025	50.28640330235025
715	321	237515	357515	100298.85867307335	1003597.310250766	36.30667379307035	-100.4435696	376113.564342756	438776.782831655	2680.24552514687	2556.21620216592	2545.884268783693	2546.075323966737	49.33135928759566	49.14567816830021
716	321	237516	357516	100958.85867307335	1003597.310250766	36.3066046158047	-100.4412278	376314.5205919244	438775.789	2690.1456718	2594.56213883353	2548.3485200442897	2548.670147593946	42.319633024336	45.89176141235948
717	321	237517	357517	101618.85867307335	1003597.310250766	36.306536317544	-100.4388861	376515.491	438773.7952767	2678.791840187073	2593.8928476246404	2551.67213678275	2552.03268963244	31.227010895645	41.86057861830021
718	321	237518	357518	102278.85867307335	1003597.310250766	36.30646550414824	-100.4365443	376716.4554	438774.807275061	2677.981649742071	2593.170494675664	2554.8865238145927	2555.156834707334	48.31051667973695	38.04020028352504
719	321	237519	357519	102958.85867307335	1003597.310250766	36.3063951697235	-100.4342026	376917.418788375	438775.570561426	2680.5705061426	2592.86616988473	2557.489701876297	2557.489701876297	44.97167170643336	44.97167170643336
720	321	237520	357520	103598.85867307335	1003597.310250766	36.3063243829012	-100.4318608	377117.8280217365	438774.817552592	2691.6902556859	2598.952556859	2558.952556859	2558.952556859	31.227697190309	31.227697190309
721	321	237521	357521	104258.85867307335	1003597.310250766	36.30625314368146	-100.4295191	377319.34525793576	438773.825275831	2682.086003114462	2590.874814992075	2558.756304502186	2559.562021381755	31.182405705021663	31.3796021032003
722	321	237522	357522	104918.85867307335	1003597.310250766	36.3061814520647	-100.4271773	377520.3083	438773.83322201	2677.981649742071	2593.170494675664	2554.8865238145927	2555.156834707334	48.31051667973695	38.04020028352504
723	321	237523	357523	105578.85867307335	1003597.310250766	36.306109380507	-100.4248356	377721.2712604785	438773.7952767	2702.852547393156	2589.050504146849	2561.0457485731135	2560.873422776135	28.030357340558	28.185631379654296
724	321	237524	357524	106238.85867307335	1003597.310250766	36.3060367116399	-100.4224938	377922.3406722697	438773.7952767	2707.107920816995	2588.05904632384	2559.3607376115365	2559.1479791751	28.82003307170197	28.82003307170197
725	321	237525	357525	106898.85867307335	1003597.310250766	36.305963623521	-100.4201521	378123.19679790456	438772.815893692	2711.33328	2586.9672623781735	2555.8317488423686	2555.653551898917	31.15583132544661	31.15583132544661
726	321	237526	357526	107558.85867307335	1003597.310250766	36.3058901616276	-100.4178103	378324.15930271625	438771.8672361199	2715.5853590244	2585.865201346593	2553.5248274580945	2553.475603400006	32.34037570656483	32.38999705365172
727	321	237527	357527	108218.85867307335	1003597.310250766	36.3058162080268	-100.4154688	378525.121871859	438771.8672361199	2717.47894840972	2584.69566908738	2551.383402924749	2551.452345024025	33.31229113389876	33.24245553636365
728	321	237528	357528	108878.85867307335	1003597.310250766	36.3057418020294	-100.4131268	378726.084355165	438770.858200811	2709.29417650774	2583.48654857426	2548.20779620407	2548.28955010471	35.25276172524979	35.1970147527178
729	321	237529	357529	109538.85867307335	1003597.310250766	36.3056669	-100.4107851	378927.0468339306	438770.858200811	2703.70870954627	2582.230083	2544.9109480559064	2544.9171966156414	37.31968488864363	37.31363632890615
730	321	237530	357530	110198.85867307335	1003597.310250766	36.3055918328462	-100.4084433	379128.0086173895	438770.858200811	2698.1246151365985	2580.92252290955	2541.535584	2541.603585648723	39.39830622320506	39.39830622320506
731	321	237531	357531	110858.85867307335	1003597.310250766	36.305515869606	-100.4061016	379328.903594384	438769.714769425	2692.590946442321	2579.6200543016506	2537.279623686924	2537.805646269234	42.24789143522885	41.81500532041659
732	321	237532	357532	111518.85867307335	1003597.310250766	36.305435640793	-100.403759	379529.9325398739	43876.9635	2687.100387	2578.26745781481	2534.097523809152	2534.097523809152	44.1694788073446	44.1694788073446
733	321	237533	357533	112178.85867307335	1003597.310250766	36.3053591892024	-100.4014038	379729.98342856	43876.9635	2680.84320054775	2576.84320054775	2532.167341911944	2532.167341911944	41.53838158403335	41.53838158403335
734	321	237534	357534	112838.85867307335	1003597.310250766	36.3052859	-100.3990764	379931.8500404675	43876.9635	2676.1425345829	2574.073825315664	2525.481251170183	2525.07319231943	49.9913136138117	49.9913136138117
735	321	237535	357535	113498.85867307335	1003597.310250766	36.305205296221	-100.3967346	380132.817565907	43876.9635	2670.708502404291	2574.034523713424	2523.1167343421815	2522.530022282212	50.07176939432185	51.50450141321116
736	321	237536	357536	114158.85867307335	1003597.310250766	36.3051302677989	-100.3943929	380333.7790133568	43876.9635	2665.321530662095	2572.569180813215	2520.960179635041	2520.34718661983	51.60900105780535	52.18462019339375
737	321	237537	357537	114818.85867307335	1003597.310250766	36.3050510367	-100.3920511	380534.7043472027	43876.9635	2659.93459278603	2571.078965646878	2519.11379579199	2519.252470578714	51.653106767894	52.82468880600414
738	321	237538	357538	115478.85867307335	1003597.310250766	36.3049726602789	-100.389794	380735.7015764606	43876.9635	2654.547587896275	2569.5651268759023	2520.58923550166	2520.58923550166	48.97920312573615	49.42211173786255
739	321	237539	357539	116138.85867307335	1003597.310250766	36.30489379479473	-100.387497	380936.66267499933	43876.9635	2649.836934985283	2568.6934985283	2519.106968320273	2519.106968320273	43.6286466049895	43.6286466049895
740	321	237540	357540	116798.85867307335	1003597.310250766	36.304813941791	-100.385205	381129.44504948	43876.9635	2644.24450498	2567.124450498	2517.340657707337	2517.340657707337	48.131287096129	48.131287096129
1	322	237541	370941.1413	1004257.310250766	36.2585760701361	-102.1155499	323587.0142369334	43878.018566193	43878.018566193	3633.268934031293	3593.055331	3532.098647143571	3532.098647143571	60.9566417502295	59.407479605968
2	322	237542	370281.1413	1004257.310250766	36.2583830925969	-102.1130828	323781.1145959228	43878.018566193	43878.018566193	3633.6669439025395	3576.352809796576	3526.690811626607	3526.690811626607	61.47304774308704	61.67876839139168
3	322	237543	369621.1413	1004257.310250766	36.2580936627212	-102.1108671	323989.2143252614	43878.018566193	43878.018566193	3637.074373492008	3589.080380825225	3527.940748943353	3527.72533546753	61.1496024616919	61.31513581777727
4	322	237544	368961.1413	1004257.310250766	36.25793378058985	-102.1085258	323190.3129579192	43878.018566193	43878.018566193	3638.491205632938	3587.10409112312	3522.598171421528	3522.598171421528	61.4591079858053	61.4884484686858
5	322	237545	368301.1413	1004257.310250766	36.257859894	-102.106184	323391.4132622897	43878.018566193	43878.018566193	3638.909877177322	3585.1160819589272	3522.414136562495	3522.414136562495	61.1545172680975	63.1254732365274
6	322	237546	367641.1413	1004257.310250766	36.25780416504763	-102.103843	323592.512342411	43878.018566193	43878.018566193	3638.921083151739	3583.126239025083	3521.183574191144	3521.183574191144	61.53838158403335	61.53838158403335
7	322	237547	366981.1413	1004257.310250766	36.25769034024937	-102.101516	323793.611142576	43878.018566193	43878.018566193	3638.92525854554	3581.134807610895	3519.17647188235	3519.17647188235	61.8671548185456	61.32313403374435
8	322	237548	366321.1413	1004257.310250766	36.2576347292255	-102.0991602	323994.7096895004	43878.018566193	43878.018566193	3639.72783559375	3579.1421105732047	3517.3490291858516	3517.3490291858516	61.79308138735314	61.3267971622249
9	322	237549	365661.1413	1004257.310250766	36.2576055856726	-102.096818	324195.807967616	43878.018566193	43878.018566193	3637.780145343296	3577.10538620879	3516.68208256848	3516.68208256848	61.486300552430956	61.486300552430956
10	322	237550	365001.1413	1004257.310250766	36.25756306046	-102.0944774	324396.90588521096	43878.018566193	43878.018566193	3637.617485502176	3575.1602502133765	3514.402789818926	3514.402789818926	61.78756219445054	61.78756219445054
11	322	237551	364341.1413	1004257.310250766	36.25750994917087	-102.092136	324598.0373950735	43878.018566193	43878.018566193	3638.404299159156	3573.170569140993	3512.046288750131	3512.046288750131	61.18403893714996	61.1243003906212
12	322	237552	363681.1413	1004257.310250766	36.257461344312971	-102.0897146	324791.1012305417	43878.018566193	43878.018566193	3598.290796989394	3571.179473213405	35			

ix	yy	c	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIveKtgr.f	BREIveKtgr.f	SanthBoth.f	SanthBoth.f
97	32	23637	-307581.1413	104257.3170250766	36.2808997493813	-101.8907699	251891.4489972451	439047.016827668	3670.2400122552317	348.49114520997	3383.72238971858	3382.7169512398045	64.5967472913908	65.70216328
98	32	23638	-306821.1413	104257.3170250766	36.2811105500909	-101.8884284	252092.52400490778	439046.984	3667.7432130036673	347.0975110328827	3382.371346492005	3381.462174181616	64.7261651336811	64.7342614277756
99	32	23739	-306261.1413	104257.3170250766	36.281301	-101.8860469	252393.6004556193	439045.750914867	3669.6211963069618	345.7646217694963	3380.945919127	3380.2160264062939	65.5488014389708	65.5488014389708
100	32	23740	-305601.1413	104257.3170250766	36.2815301960333	-101.8837453	252444.6752055607	439046.618305777	3673.4446251135	344.70019109216	3379.2151190109216	3378.912594106702	65.20563019	65.4927950915617
101	32	23741	-304941.1413	104257.3170250766	36.28173944030586	-101.8814038	252695.75012088878	439045.4586863525	3678.075161933367	343.065111411059	3377.963160534607	3377.86857118308	65.10196504056817	65.19653395
102	32	23742	-304281.1413	104257.3170250766	36.2819322322124	-101.8790622	252896.82479183527	439045.353699178	3682.710661352158	341.69768037012	3376.765639225158	3376.7432187424693	64.9322281149632	64.96294929
103	32	23743	-303621.1413	104257.3170250766	36.2821565718099	-101.8767207	253097.8982186078	439044.2917258254	3685.116221693367	340.319069194218	3375.65251861313	3375.617852206645	64.66653732390514	64.70121687500683
104	32	23744	-302961.1413	104257.3170250766	36.2823644590713	-101.8747392	253298.9734014129	439045.090045572	3688.25942393696	338.926575467803	3374.5038909737266	3374.5038909737266	64.44288490403573	64.44288490403573
105	32	23745	-302301.1413	104257.3170250766	36.28257169400465	-101.8720376	253500.04734014567	439044.958591123	3689.6211963069618	347.5189161758973	3373.5899723495935	3373.5899723495935	64.36220941269324	64.36220941269324
106	32	23746	-301641.1413	104257.3170250766	36.2827786761014	-101.869691	253701.1210354563	439044.82730493	3692.65085420177	346.9780730411	3372.7443391049717	3372.7443391049717	64.285176105356	64.285176105356
107	32	23747	-300981.1413	104257.3170250766	36.282984068688	-101.8673546	253902.1945	439044.66726899	3685.428112071032	343.6463587220304	3372.213896770237	3372.213896770237	64.205472020126554	64.205472020126554
108	32	23748	-300321.1413	104257.3170250766	36.28319148483456	-101.865013	254103.26769708414	439044.2565477019	3684.86434136315	343.2211119053895	3372.028357574171	3372.028357574171	64.19275433	64.19275433
109	32	23749	-299661.1413	104257.3170250766	36.2833923	-101.8626715	254304.3404905525	439044.28957169926	3684.29857169926	337.171965182262	3372.1016185599343	3372.1016185599343	64.17965466262793	64.17965466262793
110	32	23750	-299001.1413	104257.3170250766	36.2836023837417	-101.8603299	254505.413396493	439044.304562137	3683.73308263538	332.32765110055	3372.162813618763	3372.162813618763	64.15909149129185	64.15909149129185
111	32	23751	-298341.1413	104257.3170250766	36.2838074007001	-101.8579884	254706.4898672891	439044.1674	3682.7266239539	342.881797887596	3371.8816415622025	3371.8816415622025	64.13907320655704	64.13907320655704
112	32	23752	-297681.1413	104257.3170250766	36.28401127335015	-101.8556468	254907.5581057809	439044.104455928	3681.277039	342.746437362095	3370.7021555596	3370.7021555596	64.117621868049245	64.117621868049245
113	32	23753	-297021.1413	104257.3170250766	36.28424151	-101.8533053	255108.63010216126	439044.01914008	3678.727485431222	332.612327202	3368.616955206323	3368.617034048913	64.7493603067919	64.7493603067919
114	32	23754	-296361.1413	104257.3170250766	36.28441455359056	-101.8509637	255309.70185638	439043.78404718	3678.377485431222	342.806759600739	3366.68918251552	3366.712302265916	64.117841349187404	64.117841349187404
115	32	23755	-295701.1413	104257.3170250766	36.2846213652244	-101.8486222	255510.73369151	439039.656267098	3676.663490687506	332.61934338975	3366.600126187618	3366.9988450567475	64.0912720133901	64.0912720133901
116	32	23756	-295041.1413	104257.3170250766	36.2848232452263	-101.8462806	255711.84460470135	439041.352729355	3674.6814867536	342.2387372005807	3366.804029569316	3367.6209775466194	64.077306464911	64.077306464911
117	32	23757	-294381.1413	104257.3170250766	36.2850083315958	-101.8439391	255912.9157065358	4390391.398542959	3672.706978687566	342.583893141283	3366.5263571304135	3368.147166	64.0522011873477	64.0522011873477
118	32	23758	-293721.1413	104257.3170250766	36.2852273862318	-101.8415975	256113.9865595707	4390387.27007226	3670.728572869759	342.610944467403	3365.4906414687043	3365.4906414687043	64.0326869745913	64.0326869745913
119	32	23759	-293061.1413	104257.3170250766	36.285437107488534	-101.839256	256329.954075725	439038.494747178	3669.6211963069618	342.71835399054	3365.4906414687043	3365.4906414687043	64.014973496291	64.014973496291
120	32	23760	-292401.1413	104257.3170250766	36.28562691350505	-101.8369144	256516.1204149966	4390379.013674755	3669.06511130673	341.81845311822395	3361.297113795324	3369.20586530107436	64.57491975	64.57491975
121	32	23761	-291741.1413	104257.3170250766	36.28582923613835	-101.8345728	256717.19748191762	4390374.885891747	3668.182390856294	341.971904651314	3358.295048294292	3369.396276	64.05827630834446	64.05827630834446
122	32	23762	-291081.1413	104257.3170250766	36.28602908143676	-101.8322313	256918.26730857476	4390370.75263193	3668.9591402138885	341.0739519679019	3354.99548913164	3367.9431468677897	64.029707655538	64.029707655538
123	32	23763	-290421.1413	104257.3170250766	36.2862283744046	-101.8298987	257119.33689519402	439036.85887514	3668.4322616131	341.0620195	3351.5819933730245	3367.92480037918	64.6975071591356	64.6975071591356
124	32	23764	-289761.1413	104257.3170250766	36.2864271503475	-101.8278482	257320.4062149618	4390362.305709323	3667.60344246673	341.511242875737	3354.02991943115	3352.419080371693	64.90825093143712	64.90825093143712
125	32	23765	-289101.1413	104257.3170250766	36.28662560333056	-101.8259166	257521.4581971023	4390358.2768925	3666.724827388847	340.66414437593975	3352.419080371693	3352.419080371693	64.8825093143712	64.8825093143712
126	32	23766	-288441.1413	104257.3170250766	36.286823528824	-101.82395	257714.214984117	439035.2500496	3665.714214984117	334.20346119487124	3345.400712217653	3345.400712217653	64.8625093143712	64.8625093143712
127	32	23767	-287781.1413	104257.3170250766	36.2870210229108	-101.8205235	257923.6128452935	4390350.132969363	3664.4645112	341.2507241416953	3341.25039246846	3342.773168121234	64.73181751700858	64.73181751700858
128	32	23768	-287121.1413	104257.3170250766	36.2872180541963	-101.8181819	258124.68132475814	4390347.959732953	3662.294324294804	341.63452416734	3339.2542297319055	3340.7120244412104	64.70282944373854	64.70282944373854
129	32	23769	-286461.1413	104257.3170250766	36.2874146331448	-101.8158403	258325.74893541307	4390341.81373563	3660.143357076008	340.6872161029087	3342.04982537963	3339.3702500808965	64.46223356711236	64.46223356711236
130	32	23770	-285801.1413	104257.3170250766	36.2876107597557	-101.8134988	258582.61729746304	4390337.74502933	3657.9902473121	340.97284171121637	3335.415898852804	3337.3746254131	64.435072269129	64.435072269129
131	32	23771	-285141.1413	104257.3170250766	36.2878064340298	-101.8115742	258797.88497111443	4390333.60204958	3656.229464619213	340.768169549733	3333.689450700993	3335.689450700993	64.415898852804	64.415898852804
132	32	23772	-284481.1413	104257.3170250766	36.288001653364	-101.809156	259029.854057575	4390329.4547718	3654.854525780703	340.717835399054	3332.71594890361	3332.71594890361	64.395758909505	64.395758909505
133	32	23773	-283821.1413	104257.3170250766	36.2882196455856	-101.806574	259130.0196045807	4390325.96967322	3653.479186916935	340.67824774477	3331.945979240354	3331.945979240354	64.37692485043963	64.37692485043963
134	32	23774	-283161.1413	104257.3170250766	36.2883907428166	-101.8041325	259331.0865373856	4390321.24479058	3652.104040651095	340.5784027603794	3328.916963977127	3329.271602252575	64.35767036108185	64.35767036108185
135	32	23775	-282501.1413	104257.3170250766	36.2885846077342	-101.8017909	259532.1552858005	4390317.110218263	3651.171574666103	340.4750885272507	3327.38770278217	3327.38770278217	64.338272485288	64.338272485288
136	32	23776	-281841.1413	104257.3170250766	36.28877802031205	-101.7994493	259733.21970600844	4390312.995705448	3650.681761178916	340.3764185646884	3325.968339353347	3325.968339353347	64.3199201373459	64.3199201373459
137	32	23777	-281181.1413	104257.3170250766	36.2889780805496	-101.7971077	259934.28081191937	4390308.871520632	3650.191957768656	340.275680874325	3324.698764248467	3324.698764248467	64.2997495205838	64.2997495205838
138	32	23778	-280521.1413	104257.3170250766	36.2891643844876	-101.7947661	260135.35202884092	4390304.74763807	3648.702148421453	340.176429260461	3323.66503612143	3323.66503612143	64.2819254831816	64.2819254831816
139	32	23779	-279861.1413	104257.3170250766	36.2893544400301	-101.792395	260349.528349761	4390298.528349761	3646.92349761	340.07822204046	3322.66503612143	3322.66503612143	64.26309994055	64.26309994055
140	32	23780	-279201.1413	104257.3170250766	36.2895374	-101.790063	260537.433040642	4390296.50033141	3645.76872497337	339.982684107712	3321.10226176033	3321.10226176033	64.24504339191031	64.24504339191031
141	32	23781	-278541.1413	104257.3170250766	36.2897328909134	-101.7877414	260738.54864107346	4390292.37061223	3645.64212845832	339.9197483				

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg	BRElevBothKrg	SatHtLogsKrg	SatHtBoth
222	322	23763	-224421.1413	1042567.3170250766	36.93038733	-101.5957275	272725.1189185683	4389955.05745424	3749.3065275086715	33.0253097103102	3195.791296	3195.9544495825945	216.2818014590922	129.09847548076
224	322	23764	-223761.1413	104257.3170250766	36.9304269236064	-101.5933389	277426.1652325402	4389950.39371059	3476.081822	3323.74689877478	3193.512509012466	3193.512509012466	131.2621806501194	129.2203837
225	322	23765	-223191.1413	104257.3170250766	36.93041897890305	-101.5891484	277827.2116074052	4389950.383277038	3478.8580714860708	3322.8901736302456	3193.233369891574	3193.233369891574	131.25742489073092	129.1100267464627
226	322	23766	-222441.1413	104257.3170250766	36.9303437766044	-101.5887025	277828.25747345807	4389942.71304339	3469.63124323736	3321.20368581081	3189.189138403746	3192.743779678068	132.0147031	128.406086042731
227	322	23767	-221781.1413	104257.3170250766	36.930448502480846	-101.5863086	278029.30322006447	4389938.362760893	3466.45833238891	3319.9152989465874	3186.959691673486	3192.3693073409418	132.9566077310158	127.9416916065467
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229	322	23769	-220461.1413	104257.3170250766	36.93047881610424	-101.5816775	278431.3940608109	4389930.42007166	3460.194926505176	3317.3435463	3183.356389	3193.12444078398	133.988741	124.2201265486813
230	322	23770	-219801.1413	104257.3170250766	36.9304939051957	-101.5793358	278632.4391536798	4389926.31788673	3457.067391344822	3316.06526696354	3182.08140438355	3192.82182577995	131.7036861315832	126.1036861315832
231	322	23771	-219141.1413	104257.3170250766	36.9304989891576	-101.5769841	278833.4642877024	4389926.125100584	3454.984055175553	3314.763242796287	3182.027002407691	3192.8578076897	131.7658418325394	126.1036861315832
232	322	23772	-218481.1413	104257.3170250766	36.93052389026436	-101.5746524	279034.5268628444	4389918.11254172	3453.974312007743	3312.252718976701	3179.822206471745	3179.822206471745	131.7036861315832	126.1036861315832
233	322	23773	-217821.1413	104257.3170250766	36.9305389	-101.5723107	279235.351264317	4389914.01021041	3452.9581902078545	3312.268459517989	3178.098361119704	3191.652913271117	131.618097090061858	126.1036861315832
234	322	23774	-217161.1413	104257.3170250766	36.93053890584526	-101.569999	279436.6173494151	4389909.980105827	3451.9420674540056	3311.017610429977	3176.120295266285	3184.8550577671256	132.8930670771256	128.406086124044
235	322	23775	-216501.1413	104257.3170250766	36.9305867250773	-101.5676274	279637.6613544445	4389905.806287279	3450.77468274431	3309.77468274431	3174.202076834533	3182.7374405090977	132.8930670771256	128.406086124044
236	322	23776	-215841.1413	104257.3170250766	36.93058349019363	-101.5652857	279838.7051447225	4389901.704578984	3453.561377630765	3308.539196857193	3172.95307308574	3180.153243666727	132.5861590741514	128.3895927190466
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251	322	23791	-205941.1413	104257.3170250766	36.93080362007174	-101.5303602	282854.3642000678	4389839.017076458	3414.000818187678	3288.451871	3168.0036647378885	3169.1210163536708	132.5861590741514	128.3895927190466
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265	322	23805	-196701.1413	104257.3170250766	36.93099362007174	-101.4974826	285678.9541098464	4389782.854891719	3370.789571488217	3263.254891719	3160.382216496943	3162.515875108605	132.5861590741514	128.3895927190466
266	322	23806	-196041.1413	104257.3170250766	36.93100698310567	-101.4953046	285869.9191566479	4389780.780778176	3370.587021560031	3260.64202144587	3160.382216496943	3162.515875108605	132.5861590741514	128.3895927

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg	BRrElevBothKrg	SatHtLogsKrg	SatHtBothKrg
348	322	237889	-141261.1413	1004257.3170250766	36.63196650893885	-01.3006694	302555.3084331464	43894.3679981371	312.28693916585344	3135.155407169669	3032.761066013942	3026.489203940972	102.3943411572703	106.6571928698701
350	322	237890	-140601.1413	1004257.3170250766	36.6319761694087	-01.298327	302766.3286633636	43894.3654817602	320.7551394041293	313.718652371137	3031.698728148417	3023.880162188576	102.0201242271991	106.836901529511
351	322	237891	-139841.1413	1004257.3170250766	36.63198584638866	-01.296459	302857.3491014783	43894.3152620183	322.730869316228	313.924035217115	3030.703543181216	3021.941254050018	101.5202565898867	110.32151487762621
352	322	237892	-139281.1413	1004257.3170250766	36.63199535462891	-01.2936441	302947.4532719115	43894.2537119115	323.796550241152	313.8085904956297	3029.49070253149	3019.35179424809	101.39301422975385	110.00420122975385
353	322	237893	-138621.1413	1004257.3170250766	36.63200487937891	-01.2913023	303039.388989429	43894.237613478	323.8621955054072	312.8485647886384	3028.221451931306	3017.644486585456	101.2644595570587	111.84080103099086
354	322	237894	-137961.1413	1004257.3170250766	36.63201345888883	-01.289605	303060.4086581399	43894.230725968	324.927974	312.8920660510347	3026.46825558176	3016.1243162023315	101.6240502585825	112.6544807277213
355	322	237895	-137301.1413	1004257.3170250766	36.632023632013879	-01.286618	303161.4821256295	43894.2528613879	325.556438912214	312.6999407915869	3024.421759094697	3013.061632	102.2787107466393	113.63304803020625
356	322	237896	-136641.1413	1004257.3170250766	36.632033182188444	-01.284277	303262.44010983	43894.1154178101	329.74789660744	312.365056533682	3022.103524912337	3010.50673292915	102.270235621394	114.7998182243532
357	322	237897	-135981.1413	1004257.3170250766	36.6320424263	-01.2818352	303465.468497513	43894.0718969627	326.933633863428	312.481183377568	3019.554967876695	3007.790745427761	101.3569765898972	115.3211834989811
358	322	237898	-135321.1413	1004257.3170250766	36.6320518245276	-01.279534	303454.483537639	43894.050586451	327.41308107985196	312.5113733569054	3017.014259238954	3005.281680960373	105.5018738170882	117.2242520891309
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360	322	237900	-134001.1413	1004257.3170250766	36.63207025890629	-01.274908	304766.5225867315	43893.945869791	328.375108550919	311.972350043143	3013.056043430666	3006.765376252317	106.6674601247704	119.7608304719117
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364	322	237904	-131361.1413	1004257.3170250766	36.63210665781244	-01.265427	305570.5947167783	43893.785668314	328.093440766661	311.4158040119736	3004.11804850414488	3002.3239854017	99.97031807773087	117.2238161749045
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373	322	237913	-125421.1413	1004257.3170250766	36.63218587384375	-01.2444666	307379.7450493192	43893.41933774	326.6277933519623	3003.8187765400386	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
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375	322	237915	-124101.1413	1004257.3170250766	36.632202981718784	-01.239783	307781.7775247353	43893.378288429	325.187642339583	3009.121019547816	3009.013152776975	3006.091574053829	90.1080915710404	93.0296454854278
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378	322	237918	-122121.1413	1004257.3170250766	36.632229506937	-01.2327758	308325.146327514	43893.2154	325.4902243741934	3002.475040086914	3001.3773143293013	3007.1193358602	89.8144512069149	94.8566027706879
379	322	237919	-121461.1413	1004257.3170250766	36.63223664357225	-01.2304158	308585.8383125397	43893.1504596706	325.518268703333	3003.8187765400386	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
380	322	237920	-120801.1413	1004257.3170250766	36.6322444683463	-01.228074	308786.8530412809	43893.113436	325.0060985880552	3002.5396513024553	3001.36273904	3002.5396513024553	81.6206110312851	90.51382598170312
381	322	237921	-120141.1413	1004257.3170250766	36.6322530485651	-01.2257322	308987.8658315503	43893.063609384	325.4836644157776	3003.72326437968	3001.3659206177717	2995.542459416773	79.9073437620639	95.73004466369084
382	322	237922	-119481.1413	1004257.3170250766	36.63226114763784	-01.2233904	309188.881938354	43893.005294578	325.096362	3009.050113180732	3009.27216889614	2985.8719617179	70.77751249	104.17094350319303
383	322	237923	-118821.1413	1004257.3170250766	36.63226958517862	-01.2210486	309399.89607109648	43893.0123956458	324.4712291382768	3008.896623266837	3006.520437793077	2985.8719617179	62.318653351098	114.1986882690003
384	322	237924	-118161.1413	1004257.3170250766	36.63227791479483	-01.218769	309590.010085846	43892.9716124136	324.8214517280106	3007.680426343302	3007.3200715424	3008.3189851422557	89.252071189124	98.0304014157562
385	322	237925	-117501.1413	1004257.3170250766	36.63228675847806	-01.2163851	309791.9238802527	43892.933097888	326.9652825104928	2998.712891830986	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
386	322	237926	-116841.1413	1004257.3170250766	36.63229381637546	-01.2140233	309992.9374966245	43892.89026297707	323.639765437655	3003.8187765400386	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
387	322	237927	-116181.1413	1004257.3170250766	36.632301802835984	-01.2116815	310131.9509215837	43892.845983877	323.04350837001	3004.224020990227	2992.606421653006	2973.8677347455	61.61077833722919	110.3476522647726
388	322	237928	-115521.1413	1004257.3170250766	36.63230974	-01.2093397	310394.9641611183	43892.801675419	324.4404175416435	3003.8282642367183	2989.1009104730256	2975.387422043597	59.38746537639267	107.6931219963581
389	322	237929	-114861.1413	1004257.3170250766	36.63231764037098	-01.2069979	310595.977514264	43892.781625394	323.877842426585	3001.98436630838	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
390	322	237930	-114201.1413	1004257.3170250766	36.63232549127205	-01.204861	310796.796091	43892.75767508	325.235105095028	3001.98436630838	3001.98436630838	3008.01138938519	89.835041420037	93.81248150151941
391	322	237931	-113541.1413	1004257.3170250766	36.63233406291903	-01.202594	310995.977514264	43892.716125394	324.8214517280106	3007.680426343302	3007.3200715424	3008.3189851422557	89.252071189124	98.0304014157562
392	322	237932	-112881.1413	1004257.3170250766	36.63234107271851	-01.1999724	311199.0125096045	43892.65143609	325.096362	3009.050113180732	3009.27216889614	2985.8719617179	62.318653351098	114.1986882690003
393	322	237933	-112221.1413	1004257.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKg.f	BRIEVEBothKg.f	SurfBothKg.f	SurfBoth.ft
475	322	238015	-58101.14133	104257.3170250766	36.63282746	-101.005614	327882.4297629957	4388927.9098351095	307.7410451826976	2956.746072798813	2890.16180959222313	2890.565184140135	75.8426320658191	75.18088858678621
476	322	238016	-57441.14133	104257.3170250766	36.63283142	-101.003529	328083.42749118013	4388923.96249737	304.1395048590368	2963.646377583004	2888.6132062579106	75.0339625590167	74.82008497140749	74.82008497140749
477	322	238017	-56781.14133	104257.3170250766	36.63283533039968	-101.000978	328284.4256252625	4388919.518494963	304.385222488038	2952.119680856682	2885.431953319484	75.05504532	75.12174189483968	75.5901268980193
478	322	238018	-56121.14133	104257.3170250766	36.6328392	-100.995579	328485.4244644005	4388916.76498753	304.93642417727	2960.091171219035	2889.214782048653	2886.10000187389	73.8443307325048	73.9531152306435
479	322	238019	-55461.14133	104257.3170250766	36.63284307202667	-100.9962341	328686.4196739469	4388891.72136604	303.66747160459196	2977.447492524709	2886.687885666376	2886.762182049506	71.78960860177152	71.71530732484586
480	322	238020	-54801.14133	104257.3170250766	36.632846806172644	-100.9938923	328887.4167	4388879.67399519	302.3118400410455	2956.862440559867	2887.046254025656	2887.181605214381	69.718648391534211	69.7110341004878
481	322	238021	-54141.14133	104257.3170250766	36.63285054007692	-100.9915504	329088.4136296983	4388863.681288273	301.795964032947	2955.304580584825	2887.383967230183	2887.486267692559	67.9206072730183	67.8182921
482	322	238022	-53481.14133	104257.3170250766	36.63285427873956	-100.989208	329289.4103262035	4388839.63202305	301.6140080826357	2953.71346	2887.682479562448	2887.774472198201	60.030807645435	65.9348812978897
483	322	238023	-52821.14133	104257.3170250766	36.63285787171651	-100.986866	329490.4808215447	4388825.537441601	300.9438522488038	2952.119680856682	2887.916553177208	2887.91178983565	52.1210178085442	64.1985106730589
484	322	238024	-52161.14133	104257.3170250766	36.6328617033974	-100.9845249	329691.4033182905	4388891.49100511	299.571375262943	2950.52383097678	2887.912853390974	2887.917345839094	62.510739877392	62.7265220159888
485	322	238025	-51501.14133	104257.3170250766	36.63286503227723	-100.9821831	329892.3995499719	4388874.45695445	298.7575120871070	2948.926279588896	2887.71732016314	2887.176623831113	61.20854655764526	61.799592758466
486	322	238026	-50841.14133	104257.3170250766	36.63286853097306	-100.9798412	330093.3956164075	4388883.401510982	296.594369911737	2947.327948640907	2887.327713	2886.3156551787	60.00023545238713	61.0129234640891
487	322	238027	-50181.14133	104257.3170250766	36.6328719362471	-100.9774994	330294.3915717956	4388879.356651247	295.728874361213	2945.728784361213	2886.658444546032	2884.45079382126	59.0702096960347	60.127862300045
488	322	238028	-49521.14133	104257.3170250766	36.63287510639514	-100.9751576	330495.38725435024	4388875.512016733	294.7301768142243	2944.129152983987	2885.4234838938023	2885.4234839338023	58.056690919635	62.0925615500473
489	322	238029	-48861.14133	104257.3170250766	36.632878762610158	-100.9728157	330696.3862267248	4388871.26707434	294.6283161842426	2942.527618181842	2883.617610342162	2883.617610342162	58.056690919635	63.0448817399666
490	322	238030	-48201.14133	104257.3170250766	36.63288210333904	-100.9704739	330897.3782337305	4388867.223423337	294.6069508963087	2940.4204663871265	2881.630408619807	2881.630408619807	59.29448552516578	64.9416198760246
491	322	238031	-47541.14133	104257.3170250766	36.63288539082619	-100.9681321	331098.3747740578	4388863.17944437	294.638809182014	2939.3213490167	2879.486022209149	2879.486022209149	58.75802452371894	65.5632256447701
492	322	238032	-46881.14133	104257.3170250766	36.63288862077159	-100.9657902	331299.3866513374	4388859.153770326	293.776120160579	2877.16720160579	2877.16720160579	2877.16720160579	60.30435105737797	64.3767103347797
493	322	238033	-46221.14133	104257.3170250766	36.632891878075215	-100.9634484	331500.3643717733	4388855.092222133	293.615478200671	2936.112262489377	2875.694877347577	2875.694877347577	61.46348092116624	65.84896831
494	322	238034	-45561.14133	104257.3170250766	36.63289496383709	-100.9611065	331701.3582236207	4388849.08383831	293.40458416619995	2944.3026179441444	2874.3026179441444	2874.3026179441444	60.20232736744536	60.94434664177879
495	322	238035	-44901.14133	104257.3170250766	36.63289816035721	-100.9587647	331902.35281209147	4388847.00580603	293.2987279512935	2932.89769152035	2873.49819505006	2886.028159750642	59.0371214260185	64.86907187446604
496	322	238036	-44241.14133	104257.3170250766	36.63290111963534	-100.9564229	332103.327373625	4388843.963047587	293.2987279512935	2932.89769152035	2873.49819505006	2886.028159750642	59.0371214260185	64.86907187446604
497	322	238037	-43581.14133	104257.3170250766	36.632904172085	-100.9540813	332304.3037621571	4388839.3037621571	293.2987279512935	2932.89769152035	2873.49819505006	2886.028159750642	59.0371214260185	64.86907187446604
498	322	238038	-42921.14133	104257.3170250766	36.63290704466844	-100.9517392	332505.3359916005	4388834.87085927	292.139042551028	2926.056171	2874.05566796309	2869.11292142800	53.77004038590678	58.94487309731886
499	322	238039	-42261.14133	104257.3170250766	36.63291001	-100.9493974	332706.3296308971	4388830.836	291.72038251028	2926.056171	2874.05566796309	2869.11292142800	53.77004038590678	58.94487309731886
500	322	238040	-41601.14133	104257.3170250766	36.63291288330935	-100.9470555	332907.3231066986	4388826.79366772	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
501	322	238041	-40941.14133	104257.3170250766	36.63291571400316	-100.9447137	333108.316923707	4388822.75	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
502	322	238042	-40281.14133	104257.3170250766	36.63291850125293	-100.9423718	333309.3104744895	4388818.711	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
503	322	238043	-39621.14133	104257.3170250766	36.63292129811683	-100.94003	333510.3037621571	4388814.969578505	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
504	322	238044	-38961.14133	104257.3170250766	36.6329233517805	-100.9376878	333711.2968932316	4388810.628	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
505	322	238045	-38301.14133	104257.3170250766	36.63292605182608	-100.9353463	333912.2898	4388806.5676888	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
506	322	238046	-37641.14133	104257.3170250766	36.63292918412124	-100.9330045	334113.2826598495	4388804.57096725	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
507	322	238047	-36981.14133	104257.3170250766	36.6329314713905	-100.9306626	334314.27530622	4388800.56739796	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
508	322	238048	-36321.14133	104257.3170250766	36.63293425411604	-100.9283208	334515.267766768	4388794.46607301	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
509	322	238049	-35661.14133	104257.3170250766	36.63293671250765	-100.925979	334716.260192184	4388790.42671013	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
510	322	238050	-35001.14133	104257.3170250766	36.63293914	-100.9236371	334917.2527145024	4388786.30719325	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
511	322	238051	-34341.14133	104257.3170250766	36.63294151974096	-100.9212953	335118.2427358183	4388782.347625113	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
512	322	238052	-33681.14133	104257.3170250766	36.6329438120374	-100.9189534	335319.3231158171	4388778.3036234	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
513	322	238053	-33021.14133	104257.3170250766	36.63294614	-100.9166116	335520.227798367	4388774.23924085	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
514	322	238054	-32361.14133	104257.3170250766	36.63294878296426	-100.9142698	335721.21932142426	4388770.2305238	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
515	322	238055	-31701.14133	104257.3170250766	36.63295057397994	-100.9119279	335922.10682509	4388766.19189515	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
516	322	238056	-31041.14133	104257.3170250766	36.63295272	-100.909641	336123.2108999172	4388762.15365385	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
517	322	238057	-30381.14133	104257.3170250766	36.632954967815	-100.9073091	336334.260192184	4388758.00777619	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
518	322	238058	-29721.14133	104257.3170250766	36.63295768957255	-100.9049824	336535.1838229529	4388754.07766258	292.927792841243	2924.803723612437	2875.897130348318	2875.897130348318	53.15146735769	58.94487309731886
519	322	238059	-29061.14133	104257.3170250766	36.63296028425236									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRiElevKgr.f	BRiElevBotKgr.f	LatHkdo.f	SurfHkdo.f
601	321841	20508.85867307335	-100.42573710250766	36.932970152650735	-100.7105293	36206.89490028785	4388419.716805444	2905.872056191159	2742.952627955647	2742.952627955647	2736.8718834447686	26.12640016653394	32.18037395	
602	321842	2157.185867307335	-100.42573710250766	36.93296812254576	-100.7081875	35340.87731948478	4388415.967384908	2905.872056191159	2742.952627955647	2742.952627955647	2736.8718834447686	26.12640016653394	32.18037395	
603	321843	2637.85867307335	-100.42573710250766	36.9329662967649	-100.7054897	35369.8515482434	4388411.67843598	2905.872056191159	2742.952627955647	2742.952627955647	2736.8718834447686	26.12640016653394	32.18037395	
604	321844	27038.85867307335	-100.42573710250766	36.932964795826474	-100.7035038	353809.829360675	438807.660456702	2906.361017913322	2767.8894652655927	2767.8894652655927	2736.8718834447686	26.12640016653394	32.18037395	
605	321845	27698.85867307335	-100.42573710250766	36.93296291973462	-100.701162	354010.872323607	4388043.62132642	2906.5323792416626	2767.3899490192703	2767.3899490192703	2736.8718834447686	26.12640016653394	32.18037395	
606	321846	28358.85867307335	-100.42573710250766	36.9329609840081	-100.6988201	354211.784963494	4388034.64014041	2912.703738766795	2766.802486751444	2766.802486751444	2732.0507844864496	26.12640016653394	32.18037395	
607	321847	29018.85867307335	-100.42573710250766	36.9329581025095	-100.6964783	354412.754228414	4388306.061204495	2916.1262532490214	2766.1262532490214	2766.1262532490214	2732.0507844864496	26.12640016653394	32.18037395	
608	321848	29678.85867307335	-100.42573710250766	36.93295702000752	-100.6941364	354613.740044599	4388319.58480412	2906.8316714518583	2765.35002262659	2765.35002262659	2728.0430474433847	26.12640016653394	32.18037395	
609	321849	30338.85867307335	-100.42573710250766	36.9329549624983	-100.6917946	354814.7173156714	4388327.91004008	2908.858673073393	2764.464293	2764.464293	2728.0430474433847	26.12640016653394	32.18037395	
610	321850	30988.85867307335	-100.42573710250766	36.9329528964627	-100.6894529	355015.648496739	4388383.55782041	2918.45833577182	2724.124329321576	2724.124329321576	2721.34138712516	26.12640016653394	32.18037395	
611	321851	31658.85867307335	-100.42573710250766	36.93295071301341	-100.6871109	355216.675181576	4388379.263784229	2922.214897644086	2722.214897644086	2722.214897644086	2719.886878	26.12640016653394	32.18037395	
612	321852	32318.85867307335	-100.42573710250766	36.93294852	-100.6847691	355411.6484103283	4388305.20100567	2892.455712385806	2761.064315636453	2761.064315636453	2718.348677	26.12640016653394	32.18037395	
613	321853	32978.85867307335	-100.42573710250766	36.9329462229128	-100.6824272	355618.6256136321	4388371.503	2891.15479198999	2759.669636743365	2759.669636743365	2716.662945406815	26.12640016653394	32.18037395	
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646	321886	54758.85867307335												

ix	yy	cc	id	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatElevLog.ft	SatElevBoth.ft
722	322	28627	108218.85867307335	1004257.3170250766	36.3234958483896	-100.15459	378529.11561897607	4387915.08379941	2710.300500781882	2544.135012197453	2554.375456	2554.3753354961816	2554.3753354961816	2554.3753354961816	2554.3753354961816
728	322	28626	10878.85867307335	1004257.3170250766	36.32338714764738	-100.4131172	378700.7147713327	4387915.09233595	2705.387112530184	2562.36712530184	2550.185967356554	2550.054892311213	2550.054892311213	2550.054892311213	2550.054892311213
729	322	28626	113498.85867307335	1004257.3170250766	36.3233796161485	-100.10754	37881.37088758273	4387915.09233595	2700.477812530184	2561.72746827384915	2546.6058491915	2546.6058491915	2546.6058491915	2546.6058491915	2546.6058491915
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731	322	28627	110858.85867307335	1004257.3170250766	36.3233455382781	-100.4060918	379332.9634008734	4387899.1217739945	2681.94312737664005	2579.85238198494	2539.078779838298	2539.460578949895	2539.460578949895	2539.460578949895	2539.460578949895
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735	322	28625	113498.85867307335	1004257.3170250766	36.3233796161485	-100.10754	37881.37088758273	4387915.09233595	2700.477812530184	2561.72746827384915	2546.6058491915	2546.6058491915	2546.6058491915	2546.6058491915	2546.6058491915
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1	323	28281	-370941.1431	1004917.3170250766	36.2726704795812	-102.1155828	322591.18145964625	393073.200832938	3521.3719698367394	3592.0778044176323	3530.8198034837538	3532.46517178231	3532.46517178231	3532.46517178231	3532.46517178231
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11	323	28291	-364341.1431	1004917.3170250766	36.2792240125223	-102.0921682	324602.168493117272	3931031.658112722	3516.024176888489	3572.024748920533	3510.358782719693	3509.864218552289	3509.864218552289	3509.864218552289	3509.864218552289
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17	323	28297	-360381.1431	1004917.3170250766	36.2807142641552	-102.0781195	325808.748057588	3931006.734364486	3592.4557946	3559.949118296845	3505.123311776939	3505.37919	3505.37919	3505.37919	3505.37919
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19	323	28299	-359061.1431	1004917.3170250766	36.2812073962943	-102.0734365	326210.93914864597	3930998.405489488	3606.740889124948	3553.033555566451	3504.356275954895	3504.6822625527	3504.6822625527	3504.6822625527	3504.6822625527
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21	323	28301	-357741.1431	1004917.3170250766	36.2816897152248	-102.0684758	326613.1291963688	3930990.13844292	3605.177105026730	3551.338325	3503.3502046473626	3503.6897029782497	3503.6897029782497	3503.6897029782497	3503.6897029782497
22	323	28302	-357081.1431	1004917.3170250766	36.28193223253	-102.0661211	326814.223293693	3930984.97817122	3568.78923444706	3549.95481962455	3502.72044510236	3502.45407020816	3502.45407020816	3502.45407020816	3502.45407020816
23	323	28303	-356421.1431	1004917.3170250766	36.2821882232424	-102.0647056	327015.318206518	3930982.83726166	3595.394930949724	3547.88243794238	3501.563921576984	3501.79613801914	3501.79613801914	3501.79613801914	3501.79613801914
24	323	28304	-355761.1431	1004917.3170250766	36.2824323113454	-102.0617291	327216.41213150407	3930977.86701518	3608.010892181136	3546.022439706455	3500.5434985751223	3500.670872021895	3500.670872021895	3500.670872021895	3500.670872021895
25	323	28305	-355101.1431	1004917.3170250766	36.2826753744376	-102.0593877	327417.506123219	3930973.536960905	3612.824133412317	3544.0765151256187	3499.6591851762882	3499.759344	3499.759344	3499.759344	3499.759344
26	323	28306	-354441.1431	1004917.3170250766	36.28282911123696	-102.0570462	327618.59975290572	3930969.387	3616.63278846319	3542.14644408019	3498.940578	3498.9882495226207	3498.9882495226207	3498.9882495226207	3498.9882495226207
27	323	28307	-353781.1431	1004917.3170250766	36.2831618327248	-102.0547047	327819.69381734014	3930965.238	3628.196897772703	3540.239039709683	3498.263032405232	3498.263032405232	3498.263032405232	3498.263032405232	3498.263032405232
28	323	28308	-3												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	Sat/BothKgr.f
113	323	238393	-297021.1413	1904917.310250766	36.93023437565444	-101.8533316	255112.77028928947	4309609.231201634	3679.177214519229	3371.584969192255	3371.584969367193	3371.9037601687855	53.8310355253873
114	323	238394	-296361.1413	1904917.310250766	36.930254712573386	-101.85099	25533.6140022904	4309605.101534579	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
115	323	238395	-295701.1413	1904917.310250766	36.930275024381996	-101.84868	25551.48130784798	4309576.920958478	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
116	323	238396	-295041.1413	1904917.310250766	36.93029525071422	-101.846038	25575.98410624286	4309567.6052414424	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
117	323	238397	-294381.1413	1904917.310250766	36.93031545194205	-101.843951	25591.054995673	4309562.713901463	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
118	323	238398	-293721.1413	1904917.310250766	36.93033679523208	-101.8416235	256118.12554408878	4309558.58147786	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
119	323	238399	-293061.1413	1904917.310250766	36.93035184519205	-101.8392189	256319.1958516313	4309554.45622436	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
120	323	238400	-292401.1413	1904917.310250766	36.93037584188516	-101.8369043	256520.2698151356	4309550.32832406	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
121	323	238401	-291741.1413	1904917.310250766	36.9303958466215	-101.83468	256721.3357489415	4309546.20025683	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
122	323	238402	-291081.1413	1904917.310250766	36.930415719513335	-101.8322571	256922.4053311197	4309542.71421628	3677.691688133949	3374.1279970672814	3370.570372523796	3371.066126936244	53.93036244
123	323	238403	-290421.1413	1904917.310250766	36.93043579302379	-101.8299154	2571723.4767726537	4309537.640041511	3668.435582172002	3341.684961892044	3352.113513632908	3357.968505715136	63.33624529135775
124	323	238404	-289761.1413	1904917.310250766	36.9304553859955	-101.8275738	257324.53478355696	4309531.817420215	3665.81629953179	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
125	323	238405	-289101.1413	1904917.310250766	36.93047543	-101.8253232	257525.6126502275	4309539.69024671	3665.148953777576	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
126	323	238406	-288441.1413	1904917.310250766	36.93049522734687	-101.8228906	257726.6817274754	4309555.56337505	3664.15011560016	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
127	323	238407	-287781.1413	1904917.310250766	36.9305148718315	-101.8205489	257927.7496550476	4309551.437	3663.18576722318	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
128	323	238408	-287121.1413	1904917.310250766	36.9305346795498	-101.818273	258128.8174162574	4309547.31017697	3661.112846294444	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
129	323	238409	-286461.1413	1904917.310250766	36.93055434	-101.8158567	258329.885724016	4309543.183925269	3659.0582685651	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
130	323	238410	-285801.1413	1904917.310250766	36.93057395142351	-101.8135241	258539.3593730616	4309539.5071912035	3657.062074181867	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
131	323	238411	-285141.1413	1904917.310250766	36.930593519355386	-101.811824	258732.020828569	4309534.332125019	3655.432848159054	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
132	323	238412	-284481.1413	1904917.310250766	36.93061304202254	-101.8088408	258933.0802641793	4309530.80662743	3654.19666904154	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
133	323	238413	-283821.1413	1904917.310250766	36.930632519514094	-101.8064992	259134.154981765	4309526.68123793	3652.950832719322	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
134	323	238414	-283161.1413	1904917.310250766	36.93065156714089	-101.804157	259335.2217009607	4309522.556	3651.719457193725	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
135	323	238415	-282501.1413	1904917.310250766	36.9306709231253	-101.801815	259536.2681696187	4309518.421683233	3650.481275281379	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
136	323	238416	-281841.1413	1904917.310250766	36.93069097010308	-101.7994743	259737.354270343	4309514.3068131058	3650.23557390475	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
137	323	238417	-281181.1413	1904917.310250766	36.93070997074837	-101.7971326	259938.402432358	4309510.18210175	3649.664112051678	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
138	323	238418	-280521.1413	1904917.310250766	36.93072922829652	-101.794791	260139.4862044806	4309506.058013038	3648.08964417258	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
139	323	238419	-279861.1413	1904917.310250766	36.9307483434737	-101.7924493	260340.55173799835	4309503.54026573	3647.8904771070282	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
140	323	238420	-279201.1413	1904917.310250766	36.930767516295	-101.7901777	260541.6170349272	4309497.81032483	3646.093253017695	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
141	323	238421	-278541.1413	1904917.310250766	36.93078671074138	-101.7877661	260742.9685961867	4309493.68816456	3644.287102581379	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
142	323	238422	-277881.1413	1904917.310250766	36.9308059108505	-101.785424	260943.74695713793	4309490.76983297	3643.0930711445	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
143	323	238423	-277221.1413	1904917.310250766	36.93082486019752	-101.7830288	261144.8115087404	4309485.44042969	3641.2350048914945	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
144	323	238424	-276561.1413	1904917.310250766	36.930843786071544	-101.7807411	261345.8786163395	4309481.317672393	3640.549261105446	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
145	323	238425	-275901.1413	1904917.310250766	36.930862720710105	-101.778395	261546.3989791946	4309477.195081835	3639.8612527324424	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
146	323	238426	-275241.1413	1904917.310250766	36.930881610113136	-101.7760578	261748.0386110772	4309473.072718539	3638.177773	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
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148	323	238428	-273921.1413	1904917.310250766	36.9309192531253	-101.7713475	262150.130621225	4309464.82867268	3634.3909701	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
149	323	238429	-273261.1413	1904917.310250766	36.93093800569708	-101.7690233	262335.194097671	4309460.76983297	3633.63450897214	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
150	323	238430	-272601.1413	1904917.310250766	36.930956715369415	-101.7666912	262552.25074059633	4309456.58554491	3634.342767599315	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
151	323	238431	-271941.1413	1904917.310250766	36.93097537859434	-101.7643496	262753.319748238	4309452.46432635	3633.1343687859323	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
152	323	238432	-271281.1413	1904917.310250766	36.930993958635334	-101.7620079	262954.38222390856	4309448.342286304	3632.001037950181	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
153	323	238433	-270621.1413	1904917.310250766	36.93101256936946	-101.7596662	263155.4446467936	4309443.22262073	3630.867701717226	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
154	323	238434	-269961.1413	1904917.310250766	36.9310310965548	-101.7573413	263356.5064717998	4309440.102023752	3629.734376285453	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
155	323	238435	-269301.1413	1904917.310250766	36.9310509230916	-101.7550413	263557.6304675912	4309436.95897261	3628.471043136337	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
156	323	238436	-268641.1413	1904917.310250766	36.931068016182255	-101.7526413	263759.6297859219	4309431.86103815	3626.95218014454	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
157	323	238437	-267981.1413	1904917.310250766	36.9310864799224	-101.7502996	263959.6910933324	4309427.742	3625.475159669337	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
158	323	238438	-267321.1413	1904917.310250766	36.9311045456294	-101.7479579	264160.75216792146	4309423.622150063	3624.998131990103	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
159	323	238439	-266661.1413	1904917.310250766	36.93112305959401	-101.7456163	264361.8130899055	4309419.502751741	3623.8137284534	3341.554908743502	3348.68673626779	3352.6013328618	65.86803511672315
160	323	238440	-266001.1413	1904917.310250766	36.9311413012547	-101.7432746	264562.871939316	4309415.38393938	3619.55305104364	3341.554908743502	3348.68673626779	3352.60133	

ix	iy	X	Y	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevKgr.f
238	232	238519	-213861	1413	1413	17.02507676	36.3244059540965	-11.5582795	280445.94514449484	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
240	232	238520	-213201	1413	1413	17.02507676	36.3245523252362	-11.5593378	280446.9867259811	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
241	232	238521	-212841	1413	1413	17.02507676	36.3246964339869	-11.5604012	280448.0283679282	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
242	232	238522	-211881	1413	1413	17.02507676	36.32483847103573	-11.5615243	280449.0725519204	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
243	232	238523	-211221	1413	1413	17.02507676	36.32498872343835	-11.5626475	280450.1169003703	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
244	232	238524	-210561	1413	1413	17.02507676	36.3251331	-11.5637806	280451.1564130603	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
245	232	238525	-209901	1413	1413	17.02507676	36.3252773952119	-11.5649229	280452.1968121311	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
246	232	238526	-209241	1413	1413	17.02507676	36.32542110523017	-11.5661083	280453.2369145839	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
247	232	238527	-208581	1413	1413	17.02507676	36.3255652454641	-11.5672936	280454.27763538	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
248	232	238528	-207921	1413	1413	17.02507676	36.3257097085056	-11.5684849	280455.3192552595	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
249	232	238529	-207261	1413	1413	17.02507676	36.3258543816506	-11.5696758	280456.36240891495	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
250	232	238530	-206601	1413	1413	17.02507676	36.32599912	-11.5708687	280457.40245470173	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
251	232	238531	-205941	1413	1413	17.02507676	36.3261435503124	-11.5720616	280458.4432688373	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
252	232	238532	-205281	1413	1413	17.02507676	36.32628794280284	-11.5732545	280459.4842768297	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
253	232	238533	-204621	1413	1413	17.02507676	36.32643236250396	-11.5744474	280460.52527498107	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
254	232	238534	-203961	1413	1413	17.02507676	36.32657654020519	-11.5756403	280461.5662953977	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
255	232	238535	-203301	1413	1413	17.02507676	36.32672076909378	-11.5768332	280462.60728199356	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
256	232	238536	-202641	1413	1413	17.02507676	36.326865137386975	-11.5780261	280463.6461686965	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
257	232	238537	-201981	1413	1413	17.02507676	36.326997141941144	-11.5792190	280464.685073225204	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
258	232	238538	-201321	1413	1413	17.02507676	36.3271096475628	-11.5804119	280465.7239565870	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
259	232	238539	-200661	1413	1413	17.02507676	36.32722474	-11.5816048	280466.7628172123	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
260	232	238540	-200001	1413	1413	17.02507676	36.3273487465922	-11.5827977	280467.795656773	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
261	232	238541	-199341	1413	1413	17.02507676	36.32747316776781	-11.5839906	280468.828496462	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
262	232	238542	-198681	1413	1413	17.02507676	36.3275980325545	-11.5851835	280469.857281304	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
263	232	238543	-198021	1413	1413	17.02507676	36.3277230040507	-11.5863764	280470.8861057027	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
264	232	238544	-197361	1413	1413	17.02507676	36.3278479295	-11.5875693	280471.9154812112977	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
265	232	238545	-196701	1413	1413	17.02507676	36.327972605776528	-11.5887622	280472.946184547909	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
266	232	238546	-196041	1413	1413	17.02507676	36.3281073	-11.5899651	280473.97502178922	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
267	232	238547	-195381	1413	1413	17.02507676	36.328232033430435	-11.5911580	280474.9997549642	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
268	232	238548	-194721	1413	1413	17.02507676	36.3283564074353	-11.5923509	280476.0196273409	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
269	232	238549	-194061	1413	1413	17.02507676	36.3284809937326	-11.5935538	280477.0388978599	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
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271	232	238551	-192741	1413	1413	17.02507676	36.32872658458671	-11.5959596	280479.077205182194	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
272	232	238552	-192081	1413	1413	17.02507676	36.32884937405231	-11.6011625	280480.09601206291	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
273	232	238553	-191421	1413	1413	17.02507676	36.32897218278784	-11.6023654	280481.115472474103	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
274	232	238554	-190761	1413	1413	17.02507676	36.32910502576583	-11.6035783	280482.13469734643	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
275	232	238555	-190101	1413	1413	17.02507676	36.32923003101226	-11.6047912	280483.1534466304	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
276	232	238556	-189441	1413	1413	17.02507676	36.3293504	-11.6060041	280484.17288435249	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
277	232	238557	-188781	1413	1413	17.02507676	36.3294705	-11.6072169	280485.192137420264	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
278	232	238558	-188121	1413	1413	17.02507676	36.329597792081653	-11.6084298	280486.2115986423	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
279	232	238559	-187461	1413	1413	17.02507676	36.329726390750465	-11.6096427	280487.23084116045	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
280	232	238560	-186801	1413	1413	17.02507676	36.33003621545476	-11.6108556	280488.249650279722	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
281	232	238561	-186141	1413	1413	17.02507676	36.33035923765643	-11.6120685	280489.268493426643	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
282	232	238562	-185481	1413	1413	17.02507676	36.3306821	-11.6132814	280490.287305845676	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
283	232	238563	-184821	1413	1413	17.02507676	36.331004183	-11.6144943	280491.306220347086	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028
284	232	238564	-184161	1413	1413	17.02507676	36.331327447895527	-11.6157072	280492.325045239802	4300900.689039586	317.2796255042028	317.2796255042028	317.2796255042028	317.2796255042028	317.

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
35	32	238645	-137071.1413	1904917.3170250766	36.633928981	-101.2632125	30575.6920573473	4389575.757315141	3276.959979837906	311.902913029216	304.17701136208258	2999.250213437905	97.37189940839029	112.652990731113
36	32	238646	-130041.1413	1904917.3170250766	36.63393754646409	-101.2608706	305976.709185101	4389571.684945095	3274.446940191518	311.5246136242376	304.161357	3002.796205749916	95.91170316409746	107.7253230492460
367	32	238647	-129081.1413	1904917.3170250766	36.63394563507682	-101.2568286	306177.2328116584	4389567.618290484	3273.030911172684	310.9148238941584	304.187119274645	3005.015890158638	94.369863803783	104.3323467
368	32	238648	-128721.1413	1904917.3170250766	36.63395528445648	-101.2561899	306378.7428716577	4389563.6900172752	3274.701906119158	310.77329752191	304.19096127117265	3006.4991603375663	97.103168054131	101.281920462556
369	32	238649	-128601.1413	1904917.3170250766	36.633960485590456	-101.2538451	3065979.7594	4389569.469231464	3274.373521125347	310.640645685307	304.91285807007936	3007.500146098908	91.47206588451354	98.8930589
370	32	238650	-127401.1413	1904917.3170250766	36.633973128448292	-101.2515033	306780.778008388	4389565.597776541	3273.053456115338	310.5002465451386	304.1667143299694	3008.192440191584	90.371030051265	96.837054535467
371	32	238651	-126741.1413	1904917.3170250766	36.633981552133896	-101.2491614	306981.791981393	4389565.327	3271.40599774647	310.3265974047734	304.1223632728325	3008.60970380002	89.4389646744485	95.0528720477118
372	32	238652	-126081.1413	1904917.3170250766	36.63399022	-101.2468196	307182.8074732223	4389547.255545852	3265.45586305474	310.22983010446863	304.360553481078	3009.32458970985	88.6677136360837	93.26594207
373	32	238653	-125481.1413	1904917.3170250766	36.63399869771118	-101.2444777	307383.6237819524	4389543.184700635	3264.55868334702	310.03381789219045	304.2790487740405	3009.0914011863682	87.5962311478638	91.84738353628
374	32	238654	-124761.1413	1904917.3170250766	36.634007412674178	-101.2421358	307584.8349336075	4389538.11218913	3253.555765147296	309.582713735389	304.214486745919006	3009.75546393828	87.134030943893	94.0253679646284
375	32	238655	-124101.1413	1904917.3170250766	36.63401594236645	-101.239794	307875.85492114373	4389535.0389539	3250.972664389538	308.233365809275	304.25081943384735	3009.48518880795	85.725342704897	88.73835105
376	32	238656	-123441.1413	1904917.3170250766	36.63402442676956	-101.2374521	307986.8701607124	4389530.394	3251.765355612254	306.891902238686	304.213458513042	301.141380517447	83.64638240732666	86.4805171872195
377	32	238657	-122781.1413	1904917.3170250766	36.63403285971015	-101.2351103	308187.88521259325	4389526.90328413	3252.54069915264	305.559601073691	304.1188049	301.8906918823227	80.4407674013137	83.66891819136845
378	32	238658	-122121.1413	1904917.3170250766	36.63404125939307	-101.2327684	308388.9007699914	4389522.4384284375	3253.324278	304.2319346320883	304.17759118756708	301.500159625047	76.4540455641757	80.7391658085365
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380	32	238660	-120801.1413	1904917.3170250766	36.63405791212557	-101.228047	308790.0292	4389514.6956751635	3253.077633148928	301.5501216044163	301.850116041546	301.0690825203415	80.80719535490464	
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383	32	238663	-118821.1413	1904917.3170250766	36.63408255110501	-101.2210592	309393.93715939514	4389502.489468485	3249.831851289886	300.946744242563	301.123364534585	299.1480295517645	75.82540778901468	108.7987146914865
384	32	238664	-118161.1413	1904917.3170250766	36.634090673614715	-101.2187173	309594.9853778006	4389498.421127395	3245.46889019448	306.75395909454	300.706543573176	297.4212313715882	79.9407674013137	114.344174178657
385	32	238665	-117501.1413	1904917.3170250766	36.63409870882664	-101.2163755	309795.9689556936	4389494.35	3241.1059269307	305.581277593714	301.9082612916696	297.0174605173008	67.81601632004471	115.4060272047031
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387	32	238667	-116181.1413	1904917.3170250766	36.63411460681359	-101.2118717	310044.1006851359	4389487.61777174	3234.46697811852	304.459437125945	298.6216458974383	296.9137302612005	87.1851226737455	114.6862576720477
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389	32	238669	-114861.1413	1904917.3170250766	36.6341300673674	-101.207008	310600.0512704378	4389478.208399457	3221.53229660427	300.803266624747	298.42481479150188	297.181827815314	96.715007975888	107.04507880954634
390	32	238670	-114201.1413	1904917.3170250766	36.6341384585974	-101.2046662	310801.063901131	4389474.016	3216.32062039127	300.87297087043906	298.027798192157	297.039577010163	90.092885182353	106.5137160271884
391	32	238671	-113561.1413	1904917.3170250766	36.634146264412905	-101.2023243	311002.0763469838	4389469.49630828	3211.865621058737	300.78977519009024	297.866130824675	297.18277799294	99.8326107262293	106.5149739079784
392	32	238672	-112881.1413	1904917.3170250766	36.63415402	-101.1998924	311203.0886025596	4389465.8830272965	3208.167295853233	300.720712460974	297.8085502202213	297.1078466123276	98.4537728541811	106.367566096684
393	32	238673	-112221.1413	1904917.3170250766	36.634162337032165	-101.1976033	311404.1006851359	4389461.65156681	3212.642726327017	300.8797023950389	297.870239577486	297.107816718725	96.754747119432	
394	32	238674	-111561.1413	1904917.3170250766	36.63421448	-101.1952877	311605.127576288	4389457.705019816	3217.5562107414604	300.751062873915	297.8501624088474	296.9401471369484	90.7003147464488	105.9108911090736
395	32	238675	-110901.1413	1904917.3170250766	36.63421753526866	-101.1929569	311806.1242865404	4389453.68405512	3199.710237610549	300.7425004766442	298.3117685239017	296.88722927	91.133824052006	105.528027765181
396	32	238676	-110241.1413	1904917.3170250766	36.634218461487061	-101.190615	312007.13581147837	4389449.619383957	3173.158527216486	298.3179313484117	296.87072972611305	296.84026137	105.0801276051813	
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398	32	238678	-108921.1413	1904917.3170250766	36.63421996336031	-101.1859313	312409.1580105347	4389441.49	3220.474708863944	300.7904971668573	298.595195532429	296.73854222043035	93.39925115	104.6494425520945
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400	32	238680	-107601.1413	1904917.3170250766	36.6342218244148	-101.1812475	312811.1907	4389438.35039389	3212.642726327017	300.8797023950389	297.870239577486	297.107816718725	96.754747119432	
401	32	238681	-106941.1413	1904917.3170250766	36.6342218244148	-101.178957	313012.1907	4389429.294981676	3217.5562107414604	300.751062873915	297.8501624088474	296.9401471369484	90.7003147464488	105.9108911090736
402	32	238682	-106281.1413	1904917.3170250766	36.6342218244148	-101.1765638	313231.2011133967	4389425.230703979	3222.526755791035	306.79042045956	297.834679861047	296.831548300135	87.555921598807	97.958265665408
403	32	238683	-105621.1413	1904917.3170250766	36.6342218244148	-101.1742219	313414.2113575244	4389421.16671634	3224.09364127608	306.752999438403	297.163475339748	296.827243784004	95.0400251009055	95.1408665513993
404	32	238684	-104961.1413	1904917.3170250766	36.6342218244148	-101.1718801	313615.22411498024	4389417.102953064	3222.58597263574	304.743021847393	297.2791454430183	296.9707145430183	95.0400251009055	95.1408665513993
405	32	238685	-104301.1413	1904917.3170250766	36.6342218244148	-101.1695382	313816.2309755418	4389413.09	3220.478153	306.79042045956	297.834679861047	296.831548300135	87.555921598807	97.958265665408
406	32	238686	-103641.1413	1904917.3170250766	36.6342218244148	-101.1671963	314012.240958574	4389408.76105765	3216.740256148594	306.752526148594	297.834679861047	296.831548300135	87.555921598807	97.958265665408
407	32	238687	-102981.1413	1904917.3170250766	36.6342218244148	-101.1649126	314218.2681155681	4389404.561843638	3212.642726327017	300.8797023950389	297.870239577486	297.107816718725	96.754747119432	
408	32	238688	-102321.1413	1904917.3170250766	36.6342218244148	-101.1625136	314419.2598512751	4389400.85164459	3214.1398719218408	306.79042045956	297.834679861047	296.831548300135	87.555921598807	97.958265665408
409	32	238689	-101661.1413	1904917.3170250766	36.6342218244148	-101.1601707	314620.269058842	4389396.787532515	3228.388761601784	309.5987304751907	298.4592363349239	296.76010		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
432	323	238771	-47541.14133	1904917.3170250766	36.5347689837263481	-100.9681363	311102.42323361523	3389064.420251952	2890.613908	29.38439304711994	2879.9166673822806	2867.8683668219755	58.51726309	70.5655636001825
492	323	238772	-46889.14133	1904917.3170250766	36.53470160896306	-100.9657494	311303.41807571362	3389060.366	2967.609683628948	2936.817026	2876.1348296276217	2864.0297393125334	58.68219560319237	72.76728631828653
493	323	238773	-46221.14133	1904917.3170250766	36.5343749890349605	-100.9634629	311504.4127527287	3389056.332839432	2925.4054589281753	2935.19841242517	2870.589623879733	2868.4983495401638	58.6309955	74.7088402
494	323	238774	-45561.14133	1904917.3170250766	36.53437045858261	-100.961106	311705.40756679262	3389052.289237961	2901.20123495026	2937.017707566295	2875.208339178455	2856.651398965727	58.6724315868398	76.8956037905677
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BRIEVELogKg.ft	BRIEVEBothKg.ft	SatHtLogK.ft	SatHtBothK.ft
17	323887	35618.8586730335	104917.3170250766	36.5347498609117	-0.0730567	35642.498609117	35642.498609117	35642.498609117	2875.8560190740545	2705.72353	2708.5319721839724	2708.797298602389	41.9155801827765	41.92623139986108
618	323896	36278.8586730335	104917.3170250766	36.5347474	-0.0707148	356627.526470844	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
619	323898	36398.8586730335	104917.3170250766	36.53474486758684	-0.0683729	356827.526470844	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
620	323900	37598.8586730335	104917.3170250766	36.5347423277524	-0.066031	357027.526470844	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
621	323901	38258.8586730335	104917.3170250766	36.5347392324366	-0.0636891	357230.526470844	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
622	323902	38918.8586730335	104917.3170250766	36.534737069917175	-0.0613472	357431.4283975505	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
623	323903	39578.8586730335	104917.3170250766	36.5347343568684	-0.0589053	357632.403263613	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
624	323904	40238.8586730335	104917.3170250766	36.53473166069025	-0.0566634	357833.378621378	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
625	323905	40898.8586730335	104917.3170250766	36.5347289769818	-0.0543719	358034.3538924574	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
626	323906	41558.8586730335	104917.3170250766	36.5347263534544	-0.0521576	358235.3027116089	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
627	323907	42218.8586730335	104917.3170250766	36.53472318196754	-0.0499377	358436.2657065155	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
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634	323914	46838.8586730335	104917.3170250766	36.5347018715559	-0.0343245	359843.1214116947	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
635	323915	47498.8586730335	104917.3170250766	36.534698581325196	-0.0320926	360044.094513459	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
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645	323925	54098.8586730335	104917.3170250766	36.5346635986177	-0.0097488	362053.8227879173	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
646	323926	54758.8586730335	104917.3170250766	36.5346597255981	-0.0075117	362254.794114888	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
647	323927	55418.8586730335	104917.3170250766	36.53465625124636	-0.0052798	362455.763278223	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
648	323928	56078.8586730335	104917.3170250766	36.53465242962604	-0.00304579	362656.7381053014	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
649	323929	56738.8586730335	104917.3170250766	36.534648562796144	-0.0008116	362857.7091570834	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
650	323930	57398.8586730335	104917.3170250766	36.53464460722656	-0.0015742	363058.6812653927	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
651	323931	58058.8586730335	104917.3170250766	36.53464030406375	-0.0033423	363259.5626484165	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
652	323932	58718.8586730335	104917.3170250766	36.5346363944725	-0.0051094	363460.62390376	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
653	323933	59378.8586730335	104917.3170250766	36.5346326403452	-0.0068845	363661.5960214526	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
654	323934	60038.8586730335	104917.3170250766	36.53462850000656	-0.0086406	363862.56601157494	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
655	323935	60698.8586730335	104917.3170250766	36.5346244117131	-0.010404579	364063.5368718419	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
656	323936	61358.8586730335	104917.3170250766	36.534620228182925	-0.0121728	364264.50160715945	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
657	323937	62018.8586730335	104917.3170250766	36.5346159994098	-0.0139309	364465.4782012326	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
658	323938	62678.8586730335	104917.3170250766	36.5346117253914	-0.0157039	364666.448701944	358552.646	2875.215290991896	2718.8401611646996	2706.144689126962	2706.144689126962	44.08146963507378	42.6953022020314	42.6953022020314
659	323939	63338.8586730												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKrg.ft	BREIElevKrg.ft	SatHtKgs.ft	SatHtKgs.ft
3	324	239023	-369621.1413	1005577.3170250766	36.2953397155918	-102.1109326	323997.5479274474	3912.666234045354	3612.8637306819674	3527.09995	3525.524085194669	3523.0422974845883	61.5756475920088	64.0573526051076
4	324	239024	-369691.1413	1005577.3170250766	36.2956592465128	-102.108991	333108.6470905742	4391.262709647014	3612.395262115892	3585.0819513288848	3520.10471724215	3519.824704069528	64.05717762964694	65.1577162696468
5	324	239025	-369701.1413	1005577.3170250766	36.29594552611277	-102.106496	333399.74894429162	4391.257304	3611.929785494165	3583.81271893557	3519.259928516287	3519.259928516287	61.57373455016634	65.1577162696468
6	324	239026	-369741.1413	1005577.3170250766	36.2960977514345	-102.103981	333108.84533832	3581.037703084161	3611.458324963415	3579.013270644021	3519.1871268165205	3519.1000690727	61.57373455016634	65.1577162696468
7	324	239027	-369681.1413	1005577.3170250766	36.2963645254343	-102.1015666	333801.9428594106	4391.248165070218	3609.58840200821	3579.013270644021	3517.4186840209683	3516.5803663475978	61.5925730934271	62.4305736204264
8	324	239028	-369321.1413	1005577.3170250766	36.29636484712576	-102.099225	334003.0409212434	3581.04540699973	3603.919852053614	3575.8612014482426	3515.4844717373554	3515.093326168984	61.5925730934271	62.4305736204264
9	324	239029	-369661.1413	1005577.3170250766	36.296851765088	-102.0968835	334204.18731948095	4391.24130668555	3603.053960140027	3574.9519940721	3514.320494968324	3514.320494968324	60.6302497079684	61.404238343347475
10	324	239030	-365001.1413	1005577.3170250766	36.2971021335244	-102.094542	334405.236254397	4391.23713068575	3599.708067162405	3572.92731298368	3511.992721138406	3511.488432494444	60.6302497079684	61.43888005
11	324	239031	-364041.1413	1005577.3170250766	36.297350268366	-102.092406	334606.3335624425	4391.22999764089	3599.895558629974	3570.899558629974	3509.362145425838	3509.362145425838	61.57373455016634	65.1577162696468
12	324	239032	-363681.1413	1005577.3170250766	36.2975016108014	-102.089659	334907.4304398492	4391.22848510789	3597.33435715795	3568.86963928335	3507.0232152091558	3506.863477403147	61.57373455016634	65.1577162696468
13	324	239033	-363021.1413	1005577.3170250766	36.2978506709449	-102.0875175	335008.527810837	4391.224369346762	3576.893145548204	3566.83919895399	3505.8181957000793	3505.8181957000793	61.57373455016634	65.1577162696468
14	324	239034	-362621.1413	1005577.3170250766	36.2980980278775	-102.0851759	335209.623764584	4391.22504609208	3568.391953872772	3564.801692896016	3504.810820305421	3504.801692896016	60.2007479	61.57373455016634
15	324	239035	-361701.1413	1005577.3170250766	36.2983474342896	-102.0828344	335410.719895195	4391.21628126522	3562.7611360231	3562.7611360231	3504.568398161853	3504.568398161853	59.9967514080524	58.440742283691634
16	324	239036	-361041.1413	1005577.3170250766	36.2985951	-102.0804929	335611.815043008	4391.2123579028	3576.98054314284	3564.2999105762383	3504.2999105762383	3504.2999105762383	56.4248327	56.4248327
17	324	239037	-360381.1413	1005577.3170250766	36.2988424	-102.078154	335812.9116242059	4391.20816339098	3585.539996514294	3568.69198248635	3503.968742018475	3503.968742018475	54.9419357658488	54.9419357658488
18	324	239038	-359721.1413	1005577.3170250766	36.299098196988	-102.075808	336024.10077078116	4391.203319180549	3594.0954400095	3556.65602737784	3503.752611585632	3503.752611585632	52.0038649276199	53.1351400736993
19	324	239039	-359061.1413	1005577.3170250766	36.29935332595	-102.0734683	336215.10225190126	4391.199178015069	3598.012811103943	3554.622966276904	3503.411978435293	3503.603530329393	51.17043256117	51.0164377430974
20	324	239040	-358401.1413	1005577.3170250766	36.2995814272162	-102.0711268	336416.971646673	4391.19562837974	3552.59366579819	3502.912067583539	3502.912067583539	49.68159749628012	49.2513549457678	49.2513549457678
21	324	239041	-357741.1413	1005577.3170250766	36.299826688583	-102.0687853	336617.2981635636	4391.191475574783	3596.547328831054	3550.5717421808317	3502.5470283746875	3502.884839262764	49.171380614427	47.68680921806754
22	324	239042	-357081.1413	1005577.3170250766	36.3000718581858	-102.0664437	336818.386207113	4391.187142667098	3595.814759674364	3548.5583563502096	3501.3662605761656	3501.71284648661	47.1920057470439	46.8454914838453
23	324	239043	-356421.1413	1005577.3170250766	36.300303164	-102.0641022	337019.4803371918	4391.183175855281	3597.504476719373	3546.554829371593	3499.9408560481023	3501.707074272246	46.8454914838453	46.8454914838453
24	324	239044	-355761.1413	1005577.3170250766	36.30056467499434	-102.0617606	337207.5742070008	4391.179102536254	3601.724956715963	3544.562663724232	3499.05818432722	3499.05818432722	45.5663865452124	45.5663865452124
25	324	239045	-355101.1413	1005577.3170250766	36.30082017234465	-102.059418	337409.2302172409	4391.174537909718	3604.263538881185	3542.94583881185	3498.14583881185	3498.14583881185	44.803823289423	44.803823289423
26	324	239046	-354441.1413	1005577.3170250766	36.3010742923379	-102.0570776	337622.7611553033	4391.170125053576	3610.094033416954	3540.619391361275	3497.761279434926	3497.713445706234	44.803823289423	44.803823289423
27	324	239047	-353781.1413	1005577.3170250766	36.3012900200841	-102.054736	337823.85425537603	4391.166575220711	3616.387847196471	3538.672196000105	3497.268723800148	3497.20173444827	44.803823289423	44.803823289423
28	324	239048	-353121.1413	1005577.3170250766	36.3015322955127	-102.0523945	338024.94708528768	4391.1624563018	3624.790596305105	3536.7342858954026	3496.678635209146	3496.603410133436	44.803823289423	44.803823289423
29	324	239049	-352461.1413	1005577.3170250766	36.301774186233	-102.0500529	338226.0365577	4391.1582763948	3633.194064	3534.836614489046	3495.8440995164856	3495.782819350643	44.803823289423	44.803823289423
30	324	239050	-351801.1413	1005577.3170250766	36.30201548941535	-102.0477114	338427.1319673031	4391.155411271127	3641.597172765343	3536.9530626718024	3494.621644643244	3494.621644643244	44.803823289423	44.803823289423
31	324	239051	-351141.1413	1005577.3170250766	36.302259840078	-102.045396	338628.2411924117	4391.151491978	3648.253192589771	3539.01965868733	3493.62175879287	3493.62175879287	44.803823289423	44.803823289423
32	324	239052	-350481.1413	1005577.3170250766	36.302501746162	-102.0430873	338829.3159217837	4391.145829817827	3656.16265730071	3539.96267718024	3491.386934617104	3491.386934617104	44.803823289423	44.803823289423
33	324	239053	-349821.1413	1005577.3170250766	36.302736887994	-102.0406867	339020.40744751124	4391.1416811847	3663.071955021808	3537.469020573075	3489.0530843817755	3489.0530843817755	44.803823289423	44.803823289423
34	324	239054	-349161.1413	1005577.3170250766	36.302974445067	-102.0383452	339221.49872391044	4391.137553291044	3669.981246222963	3525.703883613837	3485.867147017579	3485.867147017579	44.803823289423	44.803823289423
35	324	239055	-348501.1413	1005577.3170250766	36.303215556898	-102.0360036	339432.58974219474	4391.13338494939	3668.83584556822	3523.972626	3482.199993326995	3482.199993326995	44.803823289423	44.803823289423
36	324	239056	-347841.1413	1005577.3170250766	36.3034551255696	-102.0336621	339633.6805240516	4391.12912319806	3695.635780091144	3522.275897311116	3478.3073172631	3478.209399879723	44.803823289423	44.803823289423
37	324	239057	-347181.1413	1005577.3170250766	36.3036924020179	-102.0313028	339834.7710049438	4391.1250983538	3690.4570556696	3520.614053206764	3474.574350566598	3474.574350566598	44.803823289423	44.803823289423
38	324	239058	-346521.1413	1005577.3170250766	36.30393017234465	-102.028979	340035.861468573	4391.12019427909	3698.25311102678	3518.189848	3471.05839838729	3471.05839838729	44.803823289423	44.803823289423
39	324	239059	-345861.1413	1005577.3170250766	36.3041674472777	-102.0265734	340226.9517327407	4391.116793317354	3697.99163751994	3517.99346504581	3467.99163751994	3467.99163751994	44.803823289423	44.803823289423
40	324	239060	-345201.1413	1005577.3170250766	36.3044043198281	-102.0242458	340438.040677658	4391.1126484791	3646.49526674613	3515.83255852616	3465.422094297354	3462.688567288273	44.803823289423	44.803823289423
41	324	239061	-344541.1413	1005577.3170250766	36.30464071508484	-102.0219543	340639.1304123823	4391.108150187057	3653.068340221161	3514.302462	3463.789225819641	3459.431015017707	44.803823289423	44.803823289423
42	324	239062	-343881.1413	1005577.3170250766	36.304876580176	-102.0196127	340840.2196573094	4391.104135	3659.641701205855	3512.80110205855	3463.18816	3451.132855035816	44.803823289423	44.803823289423
43	324	239063	-343221.1413	1005577.3170250766	36.3051121486257	-102.0172711	341041.308188005	4391.100120934559	3662.327028598814	3511.325942108696	3463.22461242999	3458.289493839584	44.803823289423	44.803823289423
44	324	239064	-342561.1413	1005577.3170250766	36.3053547198908	-102.0149234	341242.3927190597	4391.096163422307	3660.8459255998	3509.875017457289	3463.411305044012	3463.411305044012	44.803823289423	44.803823289423
45	324	239065	-341901.1413	1005577.3170250766	36.3055927272963	-102.0126286	341426.5761373783	4391.0921737354	3660.0907306898	3507.033068789675	3460.30351547644	3461.412334309476	44.803823289423	44.803823289423
46	324	239066	-341241.1413	1005577.3170250766	36.3058315906497	-102.0103246	341644.5736137383	4391.0874723107	3646.49526674613	3515.83255852616	3465.422094297354	3462.688567288273	44.803823289423	44.803823289423
47	324	239067	-340581.1413	1005577.3170250766	36.3060846878031	-102.0079049	341845.6618974383	4391.0						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BR Elev.Kg.frt	BR Elev.Both.Kg.frt	SurthElev.ft	SurthBoth.ft
129	324	19149	-286461.1413	100557.7310250766	36.3236721740626	-01.18158911	558334.0223173399	4390744.49668781	3657.905065159579	4390.325844923493	3335.365023683709	3337.948604404854	73.968082123978431	71.37698051863936
130	324	19150	-286501.1413	100557.7310250766	36.32366236807585	-01.81135494	55835.0897483045	4390740.507440273	3656.05765867873	4308.405845765231	3333.67551089504	3335.8850403684773	73.7003366816783	72.52054363784535
131	324	19151	-286511.1413	100557.7310250766	36.32365285747534	-01.8112707	55836.1569408627	4390736.244421198	3654.5789718740063	4301.8715878611583	3332.542484	3335.242484	73.7322729573681	73.65353871391877
132	324	19152	-286481.1413	100557.7310250766	36.323425920017665	-01.808866	55837.2239528083	4390732.118630548	3653.3781536137	4306.59498986458	3330.858613753621	3337.73932758822	74.7140149105975	74.7660130583605
133	324	19153	-286321.1413	100557.7310250766	36.3234587979765	-01.8065243	5591.38.29061710647	4390727.996038138	3652.305381275145	4305.6138265354803	3329.41353369704	3330.6817131583043	76.19751299956085	74.9324550717793
134	324	19154	-283161.1413	100557.7310250766	36.32346483070767	-01.8041826	5593.39.3570903645	4390723.76734498	3651.1372611371	4304.673089362303	3328.1077837488487	3329.92823202361	76.9652061241834	75.58160716
135	324	19155	-282501.1413	100557.7310250766	36.323482418195274	-01.8018409	5594.40.3823314612	4390721.742620981	3650.281737748333	4304.738575809734	3326.8756603129207	3326.8756603129207	76.9652061241834	75.58160716
136	324	19156	-281841.1413	100557.7310250766	36.3235036045457	-01.799492	5597.41.48933320314	4390715.618	3648.63105263626	4302.79786620591	3325.605440437891	3325.605440437891	77.1922201270011	76.72169708038517
137	324	19157	-281181.1413	100557.7310250766	36.32352285747534	-01.797175	5598.42.5510717976	4390710.71992633	3647.9803787400063	4301.8715878611583	3324.326828677225	3324.326828677225	77.4200505343579	75.64758958
138	324	19158	-280521.1413	100557.7310250766	36.32354210525614	-01.7945158	5591.43.5208314512	4390707.368983178	3646.329635258191	4300.961771	3322.9223221371	3327.05175232115	77.96947789	73.910148138847
139	324	19159	-279861.1413	100557.7310250766	36.3235611580226	-01.7924741	5603.44.68592436574	4390703.24413015	3645.90576858192	4300.07562038315	3321.5057923338845	3329.276587888327	78.50732794306767	70.799732682522
140	324	19160	-279201.1413	100557.7310250766	36.32358047711193	-01.7901324	5604.5.7508075092	4390699.120527788	3644.706788408064	4300.23900442733	3319.8776168233584	3323.0724112699038	79.34586390139717	67.15018915482915
141	324	19161	-278541.1413	100557.7310250766	36.32359693318512	-01.7877907	5607.46.815800814092	4390694.959679238	3642.5117904114204	4300.34149590333	3318.089545675378	3323.21761	80.020822275431	63.1928626917334
142	324	19162	-277881.1413	100557.7310250766	36.32318664021805	-01.785449	5609.47.8803475794	4390680.873	3640.31464187242	4300.2058072147297	3316.201952030473	81.4356679752523	60.26016895832786	66.76016895832786
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146	324	19166	-275241.1413	100557.7310250766	36.32634049502355	-01.7760822	5617.52.1366349182	4390674.382	3637.317855125195	4300.23900442733	3308.21034992175	3338.21034992175	86.76212109	60.9504578343426
147	324	19167	-274581.1413	100557.7310250766	36.3271334	-01.7737405	5619.63.198	4390670.259	3637.6007801055222	4300.23900442733	3306.1767549231654	3330.3527611255645	87.197788583118	64.02112765743209
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172	324	19192	-258081.1413	100557.7310250766	36.331697396289	-01.7151874	5669.79.703213925	4390567.2426945	3591.07140268023	4300.23900442733	3300.17895511575	3318.9027014177758	91.68027014177758	73.910148138847
173	324	19193	-257421.1413	100557.7310250766	36.33187422494154	-01.7128556	5671.80.766597788	4390563.15795072	3589.918484866574					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BREIElevKgr.ft	BREIElevKgr.ft	SatfthKgr.ft	SatfthBoth.ft
254	32325	-203031.1413		105557.7310250766	36.53448229158777	-101.5208294	286366.70875114895	4390226.358980257	3390.2100048074826	3729.8047042079647	3154.171316869495	3155.1903977038423	125.6333873439568	124.61430505041224
256	32326	-202641.1413		105557.7310250766	36.53448602523981	-101.5184876	283667.7477693009	4390222.484000386	3387.540377733342	3278.0004331715523	3152.1735443251296	3153.7607855248472	125.6386874642478	124.6396464807081
257	32327	-201861.1413		105557.7310250766	36.53451007365168	-101.5161498	284066.78657306197	4390218.739393915426	3385.1739339915426	3150.205198891914	3143.1875190775696	3125.914158994154	124.9183391395309	124.9183391395309
258	32328	-201321.1413		105557.7310250766	36.53452389682324	-101.5138039	284269.8251686132	4390214.004901068	3382.2069137705562	3274.344527	3148.002986377944	3149.9180486262517	126.3413028711057	124.4209666417526
259	32329	-200661.1413		105557.7310250766	36.53453736747562	-101.5114621	284470.8635501694	4390209.929096515	3380.790147526367	3272.504218837966	3145.407877283341	3148.002878	127.0963640045567	124.5013604019658
260	32330	-200001.1413		105557.7310250766	36.53455141	-101.5091203	284671.9017193687	4390205.90033621	3380.3814019275032	3270.6623102605154	3143.452018417119	3146.678544148554	127.21029184879626	125.9845548
261	32331	-199341.1413		105557.7310250766	36.5345650048946	-101.5067785	284872.9397	4390201.80429077	3380.053628397864	3268.91993426876	3141.496142867539	3143.398678105637	127.4240655933664	125.4212612763218
262	32332	-198681.1413		105557.7310250766	36.53457873710696	-101.5044366	285073.9774249264	4390177.708099397	3379.725850584764	3266.971047396383	3139.5455097894107	3141.3701918164347	127.432351395024762	125.6079129234035
263	32333	-198021.1413		105557.7310250766	36.53459234037704	-101.5020946	285295.7146965617	4390163.969178507	3378.129758088704	3265.8817324121085	3138.6173241085322	3140.1968691	127.52441103575602	125.6847306397495
264	32334	-197361.1413		105557.7310250766	36.5345956890677	-101.499735	285476.0525282396	4390148.51544075	3376.265429064566	3263.298915426511	3135.8748926520369	3137.01355877944	127.42409601471	125.3884450476719
265	32335	-196701.1413		105557.7310250766	36.53461939229611	-101.4974111	285677.08893914656	4390135.480972763	3372.401703802807	3261.4621198032844	3136.3771980337854	3127.424068152588	125.08421017059754	
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269	32339	-194061.1413		105557.7310250766	36.53467295488798	-101.4880438	286481.2358	4390169.641344037	3367.995522	3254.152795	3128.109217374552	3128.172201934527	125.043774901786	125.9580953831604
270	32340	-193401.1413		105557.7310250766	36.53468624613567	-101.485770	286682.271145427	4390164.947004023	3367.89536472235	3252.3407348780614	3128.453989898907	3127.492198137198	122.88674769825467	122.88674769825467
271	32341	-192741.1413		105557.7310250766	36.53469948118202	-101.4833361	286883.3076682312	4390160.852991743	3367.138727345111	3250.5370948410587	3128.2108178542508	3127.336276886979	124.0537345484517	
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274	32344	-190761.1413		105557.7310250766	36.53473891487739	-101.4763346	287486.4134742245	4390145.91198254	3362.777017665896	3245.19625173435	3127.699471938087	3125.18625173435	117.4909100622636	120.0717320265976
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278	32348	-188121.1413		105557.7310250766	36.534790859758486	-101.4669762	288290.5527474767	4390132.200470318	3378.0249481502172	3238.265233496907	3125.42203623019	3122.895354526374	115.839869096937	
279	32349	-187461.1413		105557.7310250766	36.5348037328942	-101.4646254	288491.588976799	4390128.108716654	3380.7788521502184	3236.8152861565342	3124.182389324977	3120.41189426917	115.839869096937	
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293	32363	-178221.1413		105557.7310250766	36.53497902924545	-101.4318395	291306.0436573406	4390070.84	3380.67536	3215.966777197037	3095.655878485903	3096.29216778524	120.010897113862	119.9418488529132
294	32364	-177561.1413		105557.7310250766	36.534991400801034	-101.4294977	291507.075048374	4390066.751040196	3380.4889152	3214.59823	3094.190244053935	3094.7058966301	119.407983779482	119.8134170274882
295	32365	-176901.1413		105557.7310250766	36.5350035006642	-101.4271558	291708.1059392924	4390052.663282353	3385.259336839284	3213.231450759233	3093.1450490119233	3094.7058966301	119.407983779482	119.8134170274882
296	32366	-176241.1413		105557.7310250766	36.5350156540098	-101.4248139	291903.1568185423	4390050.57396158	3387.706917247531	3211.865628311643	3093.10500686794	3093.667147317152	118.756619471071	119.798133696124
297	32367	-175581.1413		105557.7310250766	36.53502792641538	-101.4224819	292104.3590392641538	4390048.51544075	3386.91418635484	3210.500116635454	3091.60118653454	3091.60118653454	118.756619471071	119.798133696124
298	32368	-174921.1413		105557.7310250766	36.5350392641538	-101.4201302	292311.197314915	4390050.39771852	3382.595014	3209.1347356005	3090.153917033884	3094.45205242768	118.756619471071	119.798133696124
299	32369	-174261.1413		105557.7310250766	36.535051684715905	-101.4177884	292512.2274	4390046.31	3382.15349	3207.770133506297	3091.532309983223	3094.45205242768	118.756619471071	119.798133696124
300	32370	-173601.1413		105557.7310										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR Elev.Kg.f	BR Elev.Both.Kg.f	SatH.Elev.	SatH.Both.
319	324	23401	-11201.1413	100557.73170250766	36.58579137380016	-101.225735	30896.0197098234	43897.1188634215	304.7542949810988	3089.459872687264	3030.3179017124558	304.71963789395087	15.7880555627062	74.6990833
320	324	23402	-11948.1413	100557.73170250766	36.58587350585051	-101.2234116	30919.03358745893	43897.070181	320.9623234807105	3085.251968328473	3024.5529462265966	304.75414506131	63.6990210240873	88.5055528780345
321	324	23403	-11821.1413	100557.73170250766	36.58585195707695	-101.221097	30938.9472784795	43897.0374921434	320.8315890172835	3087.028891732024	3017.2637677497484	2983.051881552941	68.8911214	103.8770376030097
324	324	23404	-11816.1413	100557.73170250766	36.58590364	-101.218728	30959.6087859545	43899.6097404181	320.7268276084774	3085.825110542607	3010.35271035838	2994.784489470096	75.4665901572289	111.4410215527513
328	324	23405	-11750.1413	100557.73170250766	36.585911718742584	-101.216389	31000.07401025172	43896.0512400444	324.3704913621114	3084.633773424217	3003.87234128896	2971.793642793790	80.7606959953217	112.8401306340266
336	324	23406	-11684.1413	100557.73170250766	36.58591975097594	-101.214049	31000.0732567707	43896.0512400444	324.0114102936746	3083.43885877271	3008.160338171887	2970.894324582976	85.3478526008246	112.5544517137963
337	324	23407	-11618.1413	100557.73170250766	36.58592737966355	-101.211702	31020.210007100322	43896.074692322	323.855432	3082.28439633731	2992.791118071094	2970.93429231623	89.4936214927155	112.2496372456864
338	324	23408	-11552.1413	100557.73170250766	36.585935679713825	-101.209301	31040.31124531334	43896.0349127943	320.84615659313	3081.1249261932635	2987.78473587518	2970.461375882128	93.4523650574551	110.663503113562
339	324	23409	-11481.1413	100557.73170250766	36.58594357621831	-101.207018	31064.11255	43896.0349127943	320.8315890172835	3079.874271522615	2986.96526203765	2974.170346557398	97.66680687166797	92.8500352485531
390	324	23410	-11420.1413	100557.73170250766	36.585951427479796	-101.204673	31085.1379138228	43896.7527467451	320.827611839638	3078.828791035507	2978.139454223168	2973.3594021641015	100.68942469038257	105.4694739584912
391	324	23411	-11354.1413	100557.73170250766	36.585932349831	-101.202334	31106.1501206896	43896.772079337	321.632404861123	3076.6918672846123	2975.291807300197	2972.6174255440071	100.680598841347	105.0074441701152
392	324	23412	-11288.1413	100557.73170250766	36.5859669427378	-101.199924	31120.261323567	43896.6711434627	321.2361295139667	3076.56239570581	2976.88904517851	2971.588795893269	97.635119	104.0735998125205
393	324	23413	-11221.1413	100557.73170250766	36.5859740980165	-101.1976505	31140.874	43896.6374072316	320.8238454574968	3074.8018317646097	2978.8018317646097	2968.8208909532	96.63825219198372	104.720768566410
394	324	23414	-11156.1413	100557.73170250766	36.58598238	-101.195308	31160.985328615	43896.650823969	320.433029039699	3074.32520939699	2980.5748241620313	2978.747321173784	94.7843821933673	104.068479139673
395	324	23415	-11080.1413	100557.73170250766	36.5859900514191	-101.192967	31180.197105204	43896.6542516685	320.227698811279	3073.219094273861	2982.091771	2970.0689750132687	91.127237455517	103.1502192006445
396	324	23416	-11021.1413	100557.73170250766	36.5859795494517	-101.190628	31201.1208391355	43896.650823969	3072.121425	3072.121425	2983.419075818247	2970.26458908306	88.70224951788537	101.858958714039
397	324	23417	-10958.1413	100557.73170250766	36.586005119505306	-101.188228	31222.219483452	43896.611236914	320.1862191054674	3071.0318421632206	2984.37217763489	2969.123451633875	86.6594652876142	101.9018052935603
398	324	23418	-10891.1413	100557.73170250766	36.5861260882236	-101.185949	31243.2103411807	43896.47530464	320.1674442156172	3069.951316535197	2984.7816502722803	2969.62881962349	85.1696662629151	100.3224357284767
399	324	23419	-10826.1413	100557.73170250766	36.5862005286927	-101.183599	31261.2411	43896.386806241	320.055760751927	3068.82193308088	2984.51037858686	2972.394291763004	84.371493522079	96.4872817608493
400	324	23420	-10760.1413	100557.73170250766	36.5862052745172705	-101.1812571	31281.51270540854	43896.3611601462	3060.011833030968	3067.8241312020793	2983.4562805049642	2974.17840735988	84.63479139713308	93.64572384312942
401	324	23421	-10694.1413	100557.73170250766	36.58630480531467	-101.178915	31306.2620782145	43896.3051932565	3060.778371	2981.630348732526	2981.630348732526	2973.22832018177	85.143306976754	92.58614465027242
402	324	23422	-10628.1413	100557.73170250766	36.58642113599144	-101.1765732	31327.272260892	43896.2468698178	321.92020809005	3065.741125613596	2987.339630632477	2973.4713812281014	84.4020678411188	92.2703403354812
403	324	23423	-10561.1413	100557.73170250766	36.586513967944828	-101.174213	31348.23682237676	43896.226327676	321.92020809005	3065.741125613596	2987.339630632477	2973.4713812281014	84.4020678411188	92.2703403354812
404	324	23424	-10496.1413	100557.73170250766	36.5865594541853	-101.171894	31361.2920986735	43895.81888698	321.923597819245	3063.6944	2973.412545349046	2973.320316115743	80.2839491123882	93.3732701025882
405	324	23425	-10430.1413	100557.73170250766	36.58660376233416	-101.169475	31382.031711845	43896.14295170819	321.024468619327	3062.886359687336	2970.558365723389	2970.320904454429	84.93745859805449	94.37458459805449
406	324	23426	-10364.1413	100557.73170250766	36.58670804605076	-101.167205	31402.3111909942	43896.101680036	321.147534	3061.68368009491	2967.507410008277	2965.80490045438	84.1765579996315	95.8796359505206
407	324	23427	-10298.1413	100557.73170250766	36.58670797673349	-101.164836	31422.23046993183	43896.0618471391	321.345490780475	3060.689167228348	2964.239483026992	2961.5240217896417	96.16514520135617	99.16514520135617
408	324	23428	-10231.1413	100557.73170250766	36.5868051381868	-101.162527	31442.3296653146	43896.021058009	321.96317352573	3059.72045688389	2961.5240217896417	2961.5240217896417	96.16514520135617	99.16514520135617
409	324	23429	-10161.1413	100557.73170250766	36.58690205028061	-101.160179	31463.338422968	43895.964293696	322.471438240708	3058.7711431681	2961.5240217896417	2961.5240217896417	96.16514520135617	99.16514520135617
410	324	23430	-10091.1413	100557.73170250766	36.5869398495165922	-101.157878	31483.27471277733	43895.9199841938	322.587978163933	3056.19574831852	2961.5240217896417	2961.5240217896417	96.16514520135617	99.16514520135617
411	324	23431	-10034.1413	100557.73170250766	36.58610588281457	-101.155499	31502.3657716406	43895.8917625796	321.757068820104	3056.80649293691	2963.00556	2963.00556	96.16514520135617	99.16514520135617
412	324	23432	-9968.1413	100557.73170250766	36.58611708726635	-101.153154	31522.36414535045	43895.85495331	322.653040155973	3055.850379188193	2963.00556	2963.00556	96.16514520135617	99.16514520135617
413	324	23433	-9902.1413	100557.73170250766	36.586119539354	-101.150812	31542.8723391564	43895.8179358749	321.66204981448637	3054.90726156474	2964.0601	2964.0601	96.16514520135617	99.16514520135617
414	324	23434	-9836.1413	100557.73170250766	36.5861262842077	-101.1484701	31562.8309537219	43895.7713190794	321.5499627216518	3053.9702931651686	2964.94994470081	2964.94994470081	96.16514520135617	99.16514520135617
415	324	23435	-9771.1413	100557.73170250766	36.5861330500284	-101.146128	31583.3881854332	43895.7305451097	321.91791509117	3053.038677243726	2964.2198481269504	2964.2198481269504	96.16514520135617	99.16514520135617
416	324	23436	-9704.1413	100557.73170250766	36.58613967944828	-101.143873	31604.4584740845	43895.684293696	322.587978163933	3052.115040451	2964.2198481269504	2964.2198481269504	96.16514520135617	99.16514520135617
417	324	23437	-9638.1413	100557.73170250766	36.58614630961975	-101.141443	31622.0341050415	43895.64223546	321.91791509117	3051.9574381852	2964.2198481269504	2964.2198481269504	96.16514520135617	99.16514520135617
418	324	23438	-9571.21413	100557.73170250766	36.58615280490306	-101.1391024	31643.4107104284	43895.614845675	322.048124	3050.27906697911	2945.8413547500527	2945.8413547500527	94.4325194785313	104.704738485187
419	324	23439	-9505.1413	100557.73170250766	36.58615943330624	-101.136705	31663.4178	43895.57427	322.465480763743	3049.3646358088827	2945.302550909117	2944.715628662114	94.0620849079798	104.6943421427123
420	324	23440	-9440.1413	100557.73170250766	36.58616592726574	-101.1344185	31683.54276431956	43895.536677164	322.345915902454	3048.496397513863	2944.715628662114	2944.715628662114	94.0620849079798	104.6943421427123
421	324	23441	-9374.1413	100557.73170250766	36.5861723798746	-101.132076	31706.4315232334	43895.4948087225	322.229562399735	3046.730548907655	2943.730548907655	2943.730548907655	94.0620849079798	104.6943421427123
422	324	23442	-9308.1413	100557.73170250766	36.5861787945676	-101.1297347	31727.4381037365	43895.454661443	322.1060213108	3046.61373878016	2942.849045737463	2942.849045737463	94.0620849079798	104.6943421427123
423	324	23443	-9242.1413	100557.73170250766	36.58618520919127	-101.1274213	31748.4584740845	43895.416816181	322.048124	3045.8413547500527	2942.849045737463	2942.849045737463	94.0620849079798	104.6943421427123
424	324	23444	-9176.1413	100557.73170250766	36.58619190459175	-101.1251047	31769.4503703497	43895.371254334	321.23613053697	3044.715628662114	2941.715628662114	2941.715628662114	94.0620849079798	104.6943421427123
425	324	23445	-9110.1413	100557.73170250766	36.5861977184389	-101.1227089	31784.5674768406	43895.338635489	320.6940391812933	3043.804210330756	2939.63250803691	2939.63250803691	94.	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVEKgs.f	BRIEVEBothKgs.f	SurfOnnKgs.f	SurfBothKgs.f
507	324	29327	-36981.14133	100557.7317025076	36.36565771	-100.3066962	34322.367795995	4389200.983370447	2927.481167926003	2911.0936053178916	2871.8836757087047	2856.490320250933	39.2092969918693	54.60357311529833
508	324	29328	-36321.14133	100557.7317025076	36.3656202177104	-100.3283372	34345.35598707786	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	40.60700031442078	53.33211714125764
509	324	29329	-3661.14133	100557.7317025076	36.3656269033006	-100.3066962	34374.2613246592	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	41.4300635870348	51.3343891158066
510	324	29330	-35001.14133	100557.7317025076	36.3656511105081	-100.3264333	34395.34202707956	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	42.53063101648274	49.47700615004523
511	324	29331	-34341.14133	100557.7317025076	36.36565649	-100.3213014	34516.32447435414	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	43.263708319116344	47.55506965200985
512	324	29332	-33681.14133	100557.7317025076	36.365618935381	-100.3189594	34532.32740812044	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	44.14637051491842	45.75074709
513	324	29333	-33021.14133	100557.7317025076	36.36567105639004	-100.3166174	34558.23170211338	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	45.02533095383444	43.78022131352323
514	324	29334	-32361.14133	100557.7317025076	36.365734466003	-100.3142755	34579.33086871917	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	46.1784029956497	41.780249956497
515	324	29335	-31701.14133	100557.7317025076	36.365765269033006	-100.3118335	34599.3298670445	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	47.27263891381228	40.49543532934236
516	324	29336	-31041.14133	100557.7317025076	36.36577863023935	-100.3095916	34631.28968531185	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	48.37041559327228	39.416458039633
517	324	29337	-30381.14133	100557.7317025076	36.3658079833775	-100.3072498	34663.2805276304	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	49.56824801561636	38.60920315212855
518	324	29338	-29721.14133	100557.7317025076	36.3658268401894	-100.3049077	34695.32706685034	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	50.73719024710183	37.9140379214103
519	324	29339	-29061.14133	100557.7317025076	36.365848732182	-100.3025657	34726.36029181495	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	51.8945952594955	37.8945952594955
520	324	29340	-28401.14133	100557.7317025076	36.36586842797506	-100.3002237	34757.3510164952	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	52.93282933	38.2158417469048
521	324	29341	-27741.14133	100557.7317025076	36.3658887172897	-100.8978818	34788.34120495233	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	53.38003543	38.7140883070873
522	324	29342	-27081.14133	100557.7317025076	36.3659046216206	-100.8958398	34819.340026215	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	54.336543110048	39.1939948008037
523	324	29343	-26421.14133	100557.7317025076	36.3659204609164	-100.8931978	34850.325042922	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	55.33574330941255	39.554978905409
524	324	29344	-25761.14133	100557.7317025076	36.36594526865793	-100.8908559	34881.325455973	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	56.39304307676384	39.304307676384
525	324	29345	-25101.14133	100557.7317025076	36.3659601201423	-100.8885139	34910.328297137	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	57.382823884	39.1083027235231
526	324	29346	-24441.14133	100557.7317025076	36.3659770112269	-100.886172	34941.323239959	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	58.34369780839091	38.2964038345886
527	324	29347	-23781.14133	100557.7317025076	36.3659936298868	-100.88383	34972.372769466	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	59.37459390974538	37.44470422466566
528	324	29348	-23121.14133	100557.7317025076	36.36600970610424	-100.8814881	34993.16610612476	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	60.36482131	36.42396236816434
529	324	29349	-22461.14133	100557.7317025076	36.366026829878	-100.8791651	35016.1456949376	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	61.38850874983745	36.11575369849633
530	324	29350	-21801.14133	100557.7317025076	36.36604050121102	-100.8769041	34995.1433	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	62.354526929217544	33.68696350499445
531	324	29351	-21141.14133	100557.7317025076	36.36605522001088	-100.8744622	34991.161768478	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	63.40489510513535	32.1582920626494
532	324	29352	-20481.14133	100557.7317025076	36.3660694865477	-100.8721022	34987.1199	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	64.37963488502914	30.52266117973522
533	324	29353	-19821.14133	100557.7317025076	36.36608330055175	-100.8697783	34984.107847821	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	65.38295264967191	28.79426159553076
534	324	29354	-19161.14133	100557.7317025076	36.366096621133	-100.8674363	34979.0958493126	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	66.69342684925397	26.9148916926771
535	324	29355	-18501.14133	100557.7317025076	36.3661095712351	-100.8651978	34974.3561926936	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	67.7357987407342	25.61273967285785
536	324	29356	-17841.14133	100557.7317025076	36.36612270071979	-100.8627524	34969.1701870447	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	68.72233710494943	24.0805117717145
537	324	29357	-17181.14133	100557.7317025076	36.3661340321411	-100.8604104	34953.05862368015	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	69.752104833719688	22.0680231835584
538	324	29358	-16521.14133	100557.7317025076	36.3661455839314	-100.8580865	34940.045095803	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	70.782370923269296	20.21059934031215
539	324	29359	-15861.14133	100557.7317025076	36.366156682788	-100.8557265	34926.04330361614	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	71.85081615288905	19.1074021803734
540	324	29360	-15201.14133	100557.7317025076	36.3661673318336	-100.8533485	34912.0007730875	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	72.1713861515635	17.9498913035716
541	324	29361	-14541.14133	100557.7317025076	36.3661775244696	-100.8510426	34901.156106027916	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	73.16289435337142	17.08454422466566
542	324	29362	-13881.14133	100557.7317025076	36.366187269636	-100.848709	34890.34135639431729	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	74.2015890794793	16.1575036948633
543	324	29363	-13221.14133	100557.7317025076	36.366196552396	-100.8463586	34879.9655087558	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	75.215259852231	15.0681073832241
544	324	29364	-12561.14133	100557.7317025076	36.366205333724	-100.8440167	34878.9636501481	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	76.2314330941255	14.0713091326485
545	324	29365	-11901.14133	100557.7317025076	36.3662137780664	-100.8416747	34869.9526711637	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	77.28139602525347	13.26385148
546	324	29366	-11241.14133	100557.7317025076	36.3662217	-100.8393328	34860.32160387	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	78.2810227994289	13.4652640680182
547	324	29367	-10581.14133	100557.7317025076	36.36622919011685	-100.8369908	34851.9624514114	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	79.163751046588	12.5249169980474
548	324	29368	-9921.14133	100557.7317025076	36.366232174777	-100.8346488	34842.910373523	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	80.06920152671064	10.9486617685049
549	324	29369	-9261.14133	100557.7317025076	36.366239270861	-100.8323169	34833.9642981818	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	81.2233710494943	9.8105716871665
550	324	29370	-8601.14133	100557.7317025076	36.366248114997	-100.8299469	34824.9641811139	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	82.21357033439	7.349870540510617
551	324	29371	-7941.14133	100557.7317025076	36.3662545849017	-100.827623	34815.8667051286	43891.9642981818	2936.3696785827	2905.3696785827	2868.776936470106	2856.05159642980	83.21583071122082	6.53067617919405
5														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThvLog.s	SatThvBoth.ft
33	324	239653	46178.8586730335	100557.7310250766	36.36517196943984	-100.3558523	559646.16371515393	3888693.658918516	2826.2942611855015	2714.931770514232	2693.6725368154107	2691.2417144437145	21.25923369882139	23.69602607807018
334	324	239654	46838.8586730335	100557.7310250766	36.36561478917014	-100.3324033	559847.1372101782	3888691.682204248	2826.3062137807233	2712.71817651171	2692.2743567733344	2689.001168531077	20.50342265369131	23.7774067963408
335	324	239655	47498.8586730335	100557.7310250766	36.36491121347478	-100.308494	559854.1193242363	3888695.634911709	2827.4854788645924	2710.6400232777398	2690.885322683995	2679.193265806827	19.315948111316	24.1316801
636	324	239656	48158.8586730335	100557.7310250766	36.3630825859847	-100.282554	559860.28400835	3888696.632043754	2826.829263502621	2708.519085811831	2689.3290948438	2685.86578223919	18.7810908344983	22.65330062263867
637	324	239657	48818.8586730335	100557.7310250766	36.36350649	-100.2622144	559862.161802189	3888697.611802189	2826.1147991154163	2706.471684812655	2687.700834182878	2685.502675450172	18.7168507297243	20.91506426248334
638	324	239658	49478.8586730335	100557.7310250766	36.363501592650454	-100.238725	559863.700651029412168	3888698.6330838895	2825.5146947375472	2704.3371140029262	2686.072665204236	2685.631452	18.2644879450264	18.70569139138065
639	324	239659	50138.8586730335	100557.7310250766	36.3649817816037	-100.2151305	559863.0021363895	3888699.589898986	2824.513816794262	2702.278428004837	2683.98509816342	2684.651033330917	18.29738818849414	17.62734347444007
640	324	239660	50798.8586730335	100557.7310250766	36.36494184162626	-100.1918986	559864.015274738085	3888695.75826017	2824.389459291255	2702.043783236575	2681.60693195698	2682.6353044117335	18.6350465	17.6068242092397
641	324	239661	51458.8586730335	100557.7310250766	36.36491121347478	-100.168466	559865.1253740263863	3888691.682204248	2824.8248737867897	2698.229401065745	2679.193265806827	2678.7193265806827	18.5145760886827	17.6145760886827
642	324	239662	52118.8586730335	100557.7310250766	36.36467632252	-100.145047	559867.361454191512525	3888697.57663652	2820.480420238024	2696.239838	2676.0490641078135	2675.18567116598315	18.20597367946532	20.50052082844846
643	324	239663	52778.8586730335	100557.7310250766	36.364860775942	-100.121627	559868.3547566636	3888697.57663652	2821.75652841288	2694.26711223914	2676.2117342105026	2675.5827561650475	18.050378	18.684356617866342
644	324	239664	53438.8586730335	100557.7310250766	36.364940704908	-100.098208	559869.3185668313561	3888694.537983793	2826.3125584673385	2692.251584673385	2674.6866261154	2677.968531122932	14.0683922618439	14.346277340440645
645	324	239665	54098.8586730335	100557.7310250766	36.364767109471	-100.074788	559870.3260578354424	3888695.52835548	2809.545598018636	2690.38721842613	2679.673904722062	2675.94564697391	10.7897112211993	10.7890748486898
646	324	239666	54758.8586730335	100557.7310250766	36.364730098933	-100.051369	559871.326258076	3888641.518911357	2805.440570591135	2688.47457865428	2679.86061315031	2679.4442761847154	6.840048741511669	9.028986902
647	324	239667	55418.8586730335	100557.7310250766	36.364692334392	-100.027948	559872.362459779225582	3888637.5909173388	2801.05621260002	2686.584179712385	2679.051751791128	2678.82136	5.98219673184799	7.96218873184799
648	324	239668	56078.8586730335	100557.7310250766	36.3646511176754	-100.00453	559873.3626075085146	3888633.3626075085146	2798.392524080547	2684.71482844352	2677.43396166455	2677.643706122575	7.2840967780671	7.27707721770994
649	324	239669	56738.8586730335	100557.7310250766	36.36461544837154	-100.59811	559874.362612777315	3888629.492	2791.728354541007	2682.873233914158	2673.2722636957	2675.4567864310684	7.544649685185425	7.4161893693457
650	324	239670	57398.8586730335	100557.7310250766	36.364576326278	-100.5957691	559875.363062193455793	3888625.845456739	2787.061574001509	2681.053230944765	2673.129627978051	2673.2408074011264	7.9593116623701	7.8113015635945095
651	324	239671	58058.8586730335	100557.7310250766	36.3645367524441	-100.594271	559876.36326366407079	3888621.457153573	2782.285600373383	2679.260320188634	2677.049658169927	2677.222115002862	8.165644018736657	8.03818718568163
652	324	239672	58718.8586730335	100557.7310250766	36.364467528206	-100.5910852	559877.3634647631609743	3888617.40770458	2787.369773203591	2677.930898443286	2660.448605181971	2669.537212520324	8.40343462	7.95673864179614
653	324	239673	59378.8586730335	100557.7310250766	36.364452467576	-100.588742	559878.363665065014269	3888613.459219717	2777.495093563145	2675.755337890613	2668.021504659993	2668.132750571054	7.7338319462084	7.61807809899972
654	324	239674	60038.8586730335	100557.7310250766	36.3644151512549	-100.5864013	559879.363665775250635	3888609.451589115	2772.88698956993	2674.04378806437	2666.555793251663	2666.658210164044	7.7933817751314	7.63805779053318
655	324	239675	60698.8586730335	100557.7310250766	36.364379478105	-100.584094	559880.3640715402467	3888604.40426595	2769.383268251709	2672.78400412924	2666.78400412924	2666.78400412924	7.8483521983031	7.63805779053318
656	324	239676	61358.8586730335	100557.7310250766	36.364320948312	-100.581714	559881.364258137162895	3888601.437000248	2758.191927268905	2670.697745477007	2663.581341482557	2663.698871189992	7.11644309496835	6.9598274201487
657	324	239677	62018.8586730335	100557.7310250766	36.3642808601101	-100.5793754	559882.36446948873468384	3888597.40026154	2753.518835036602	2669.06234366602	2662.223911834429	2662.356354834886	6.63832132172752	6.696887083153259
658	324	239678	62678.8586730335	100557.7310250766	36.364247064849	-100.5770335	559883.36427039115	3888594.321709115	2748.9117	2667.453646987624	2660.915874906873	2661.054858357955	6.63832132172752	6.696887083153259
659	324	239679	63388.8586730335	100557.7310250766	36.3642038111505	-100.5748915	559884.3648714290715102	3888584.61979204	2743.150076067427	2665.874349019624	2659.575547858544	2659.70988115416	6.63832132172752	6.696887083153259
660	324	239680	63998.8586730335	100557.7310250766	36.364160225121	-100.5723496	559885.3650723990456939	3888585.411	2738.2662665452	2664.31468322528	2658.2460097301706	2658.32818459276	6.63832132172752	6.696887083153259
661	324	239681	64698.8586730335	100557.7310250766	36.3641161264345	-100.569861	559886.3650723990456939	3888584.40426595	2732.78400412924	2662.78400412924	2656.78400412924	2656.78400412924	6.63832132172752	6.696887083153259
662	324	239682	65318.8586730335	100557.7310250766	36.3640771	-100.567657	559887.3650723990456939	3888584.40426595	2727.50255851501	2662.50255851501	2655.255851501	2655.255851501	6.63832132172752	6.696887083153259
663	324	239683	65978.8586730335	100557.7310250766	36.3640265719628	-100.5653237	559888.3650723990456939	3888584.40426595	2716.193578102954	2659.70299848533	2653.50130517453	2653.78017426534	6.63832132172752	6.696887083153259
664	324	239684	66638.8586730335	100557.7310250766	36.3639811160686	-100.5629818	559889.3650723990456939	3888584.40426595	2710.463101109494	2658.29302543356	2651.63022982205	2651.93330251359	6.69697350116949	6.39597207
665	324	239685	67298.8586730335	100557.7310250766	36.3639305207359	-100.5606398	559890.3660724685247	3888584.40426595	2704.7342405973	2656.88525122197	2649.6512713963284	2649.6512713963284	7.22804315891244	6.864816763412364
666	324	239686	67958.8586730335	100557.7310250766	36.3638884696466	-100.5582979	559891.366278218454484	3888584.40426595	2702.7737502472	2659.03454891367	2647.814810150874	2648.296320130147	7.162066781	7.162066781
667	324	239687	68618.8586730335	100557.7310250766	36.36384320375485	-100.5559589	559892.36649185259868	3888584.40426595	2697.454009308325	2646.0450136838	2646.3741537634475	2647.1634117224455	7.7933817751314	6.82880969192588
668	324	239688	69278.8586730335	100557.7310250766	36.36379478105	-100.553614	559893.36665015402467	3888584.40426595	2692.83219150081	2652.549075165924	2641.95570527785	2641.95570527785	7.8483521983031	7.63805779053318
669	324	239689	69938.8586730335	100557.7310250766	36.3637475020012	-100.5512717	559894.36681123023497	3888584.40426595	2687.7212410577	2651.254762051326	2638.292122775596	2638.292122775596	7.8483521983031	7.63805779053318
670	324	239690	70598.8586730335	100557.7310250766	36.3636987949535	-100.5489301	559895.3670821097148516	3888584.40426595	2680.34890064136	2649.870936051366	2631.3146339702676	2631.286543112581	8.18536394255559	7.981529757230957
671	324	239691	71258.8586730335	100557.7310250766	36.363650255325	-100.5465882	559896.367283060278816	3888584.40426595	2706.38651954202	2648.491859677335	2627.561471256062	2627.36732831495	8.3003842127362	7.981529757230957
672	324	239692	71918.8586730335	100557.7310250766	36.3636011811316	-100.5442462	559897.36748420871619957	3888584.40426595	2704.7342405973	2647.1143353150946	2626.571521436674	2626.391959518710	8.2127323963772	7.981529757230957
673	324	239693	72578.8586730335	100557.7310250766	36.3635516312806	-100.5419403	559898.367684971265765	3888584.40426595	2703.025891595645	2645.7350421350946	2627.863371862114	2627.863371862114	7.8483521983031	7.63805779053318
674	324	239694	73238.8586730335	100557.7310250766	36.36350017	-100.539623	559899.367865105134	3888584.40426595	2694.349970214448	2644.349970214448	2626.349970214448	2626.349970214448	7.8483521983031	7.63805779053318
675	324	239695	73898.8586730335	100557.7310250766	36.3634541202761	-100.537364	559900.3680451202761	3888584.40426595	2692.83219150081	2651.254762051326	2638.292122775596	2638.292122775596	7.8483521983031	7.63805779053318

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
19	325	23977	-359061.1413	1066237.3170250766	36.63174636852595	-102.0739001	236219.2656312564	4391401.119985328	3588.284741295392	3553.336383264039	3502.123757637029	3502.342722768741	51.2126256270986	50.99360645929772
20	325	23978	-358401.1413	1066237.3170250766	36.63170000000000	-102.071158	23620.3600248442	4391376.963811411	3588.803944845051	3551.2791985187177	3502.556237292838	3501.218700176238	48.722947893918	48.722947893918
21	325	23979	-357781.1413	1066237.3170250766	36.63169541622268	-102.0681668	23621.9168468168	4391382.61684681	3588.321468391627	3549.1281302618207	3501.670954405457	3501.6717371084486	47.1051198483255	47.1051198483255
22	325	23980	-357081.1413	1066237.3170250766	36.6315200002917294	-102.0664753	23622.5488619228	4391388.65851622	3587.184315128195	3501.270459025334	3500.5556245929049	49.318176102806	46.62876921377028	46.62876921377028
23	325	23983	-356421.1413	1066237.3170250766	36.6314445724911	-102.0641337	23703.6247505483	4391384.51666139	3588.881042078217	3545.1490786279637	3498.451634003717	3498.390511744016	46.6974462	46.7586686394788
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25	325	23985	-355011.1413	1066237.3170250766	36.63183823	-102.0594058	23742.8297466215	4391372.213829445	3586.991786328164	3541.10686593856	3496.7342897133326	3496.5962783113766	44.37639724	44.54141024276065
26	325	23986	-354441.1413	1066237.3170250766	36.6319174884781	-102.0571089	23762.9228545248	4391372.0638422	3585.55279419567	3539.11280596355	3496.500334973906	3496.571910813917	44.6109770966421	44.79336977699313
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62	325	23992	-330681.1413	1066237.3170250766	36.63276820420357	-101.9728104	24486.10339137548	4391222.805081317	3568.707448550098	3484.483140314774	3426.03899107123	3434.19327076895	54.20403061065	50.29897360787394
63	325	23993	-330021.1413	1066237.3170250766	36.63278553918977	-101.97								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SeaSdgZcnt	SurfBoth.ft
143	325	23905	-275901.1413	1066237.3170250766	36.34548489	-101.778483	261555.2057146767	4309879.81310311	3637.285590928411	3395.290231457904	3309.330998683862	3342.024375460291	85.99932377	53.265895769173016
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175	325	23935	-256101.1413	1066237.3170250766	36.34350355232846	-101.7081948	267587.0041533424	4309763.875647485	3579.5959218400852	3371.7983608283325	3261.77588185022	3263.92168033612	110.0224953431059	107.678604651046
176	325	23936	-255441.1413	1066237.3170250766	36.3435035695382	-101.705853	267788.0628342027	4309752.112099815	3573.958172100736	3370.80052293128	3261.000512207426	3263.568172391695	109.796710724037	107.2320799995938
177	325	23937	-254781.1413	1066237.3170250766	36.343507504484024	-101.7035112	267989.1196025107	4309747.99635838	3568.320323185387	3369.795513232	3259.944705	3262.167219294574	109.8058044044165	107.678604651046
178	325	23938	-254121.1413	1066237.3170250766	36.343507867678	-101.7011694	268190.175431184	4309743.880841536	3562.682573523535	3368.740651510022	3258.737165026569	3260.74185610077	110.04992248843276	108.4031207049246
179	325	23939	-253461.1413	1066237.3170250766	36.343510538196134	-101.6988878	268391.230974515	4309739.765554087	3558.410701243874	3367.765739710697	3257.154109	3259.8627703304897	110.0162261654954	107.9032046689959
180	325	23940	-252801.1413	1066237.3170250766	36.343512246515	-101.696485	268592.265169157	4309735.96358458	3556.278183356584	3366.74036304168	3256.478073270296	3259.41637694467	111.264903739821	107.688759627186
181	325	23941	-252141.1413	1066237.3170250766	36.3435140044956156	-101.694144	268831.234145723	4309731.95366129	3552.620796	3365.70642309325	3255.837082041119	3257.17221788820648	111.22271788820648	107.594510080955
182	325	23942	-251481.1413	1066237.3170250766	36.34351570628709	-101.691802	268994.3966283025	4309727.41061465	3549.723659081155	3364.63406757151	3254.432042429695	3253.474952578865	111.23136242745431	111.18841421926346
183	325	23943	-250821.1413	1066237.3170250766	36.34351752283915	-101.6894064	269195.451525545	4309723.206960442	3544.736180101337	3364.181022221596	3249.324047343304	3251.61856425794	110.2875154887294	111.18841421926346
184	325	23944	-250161.1413	1066237.3170250766	36.343519184152105	-101.687118	269396.5013526866	4309719.19254496	3537.0629752866	3362.553409134384	3247.33719231063	3246.833254158973	110.51617824204	111.2051485451038
185	325	23945	-249501.1413	1066237.3170250766	36.3435208022582	-101.6847768	269597.560207383	4309715.078627935	3529.587106829948	3361.490911662314	3245.4190950512625	3241.570896599414	110.07611152893	110.9200149031079
186	325	23946	-248841.1413	1066237.3170250766	36.3435229	-101.682435	269798.6146791268	4309710.96438949	3522.11284383649	3359.4481668772186	3243.93413969209	3240.83413969209	110.8350210897445	110.9200149031079
187	325	23947	-248181.1413	1066237.3170250766	36.3435249	-101.680182	269999.6146791268	4309706.96438949	3519.4481668772186	3357.4481668772186	3241.8332971805044	3240.8332971805044	110.8350210897445	110.9200149031079
188	325	23948	-247521.1413	1066237.3170250766	36.343525920711404	-101.677513	270200.7832182	4309702.73825142	3516.66278982246	3358.327140061705	3240.119016	3240.442558184556	110.2081420552451	111.5848121468494
189	325	23949	-246861.1413	1066237.317025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBothKrg.ft
271	325	40031	-192741.1413	1066237.3170250766	36.93651242921224	-101.4833772	268687.4103765284	4390362.134968981	338.2740342692323	352.0270993381645	3127.2099071496073	3126.047614172046	3126.828921885572	3124.055186118146
272	325	40032	-192081.1413	1066237.3170250766	36.93652569438074	-101.4810335	287088.4458	4390358.404008057	336.575048711313	324.8251427756698	3126.85253061289	3125.894569	3127.4270177656083	3122.4305740294796
273	325	40033	-191421.1413	1066237.3170250766	36.93653675181942	-101.4786054	287289.4409713369	4390353.946744448	334.81842327793	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
274	325	40034	-190761.1413	1066237.3170250766	36.93655185404594	-101.4763515	287440.5159627911	4390351.7070181865	333.5177071804328	324.8051170198435	3125.784836	3127.72475504185	3126.016746415534	3120.3627156583
275	325	40035	-190101.1413	1066237.3170250766	36.936564904842512	-101.4740096	287691.550745565	4390345.75971059	335.5808356760434	324.0367040387153	3125.1662741606724	3123.8750941838407	3117.9007658704288	3118.9191458487458
276	325	40036	-189441.1413	1066237.3170250766	36.93657792	-101.4716677	287892.585309369	4390341.666524062	332.0873817176258	324.134568979176	3124.4077355506583	3122.79233	3127.362732485174	3118.5312921064564
277	325	40037	-188781.1413	1066237.3170250766	36.93659088154061	-101.4693258	288093.6196703817	4390337.53766188	336.8595868696626	323.9460258016748	3123.269957264444	3117.5361482992125	3116.7056049030343	3118.8870737238333
278	325	40038	-188121.1413	1066237.3170250766	36.936603800235484	-101.4669839	288294.653276843	4390333.480441821	335.71003819973867	323.9534809079252	3122.1156427260858	3117.425333898924	3115.870564340676	3120.47799075210014
279	325	40039	-187461.1413	1066237.3170250766	36.93661667369845	-101.464642	288495.697868334	4390329.388343764	334.81842327793	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
280	325	40040	-186801.1413	1066237.3170250766	36.93662951189944	-101.4623001	288696.7215062705	4390325.29607139	338.046559576805	324.65505458161	3119.1210567710024	3117.5309517712205	3117.5309517712205	3117.5309517712205
281	325	40041	-186141.1413	1066237.3170250766	36.93664228486847	-101.4599862	288897.7550361869	4390321.20403128	332.17576205835	323.9460258016748	3116.9648747561837	3115.4024318741117	3116.08181752787823	3117.64471040995022
282	325	40042	-185481.1413	1066237.3170250766	36.93665502595484	-101.457163	289098.783858889	4390317.11224534	338.3707125075436	322.9414667745496	3114.83001797811	3118.5050950921254	3116.625677688515	3112.9611796267508
283	325	40043	-184821.1413	1066237.3170250766	36.93666771508047	-101.4552744	289299.8214754536	4390314.220626419	338.2244318295235	322.9146678312227	3112.944752595654	3117.311717940848	3116.9697150716629	3112.25733003717708
284	325	40044	-184161.1413	1066237.3170250766	36.9366803232342	-101.4529325	289500.8548333737	4390308.93295679	338.329137	322.8039209790109	3111.0491713118117	3115.7363981418953	3117.4310347829738	3112.6538116482138
285	325	40045	-183501.1413	1066237.3170250766	36.9366926432427	-101.4505906	289701.8870585695	4390304.338132575	338.92369997116	322.892605791598	3108.0229891966982	3117.4254299747	3117.8860675964655	3113.71962049181006
286	325	40046	-182841.1413	1066237.3170250766	36.93670552106302	-101.4482487	289902.9196	4390300.74722683	332.73877589913	322.5147847199972	3107.1915850600073	3111.321517502317	3118.226326738995	3114.0963307768027
287	325	40047	-182181.1413	1066237.3170250766	36.93671802359964	-101.4459088	290103.951870928	4390296.5654832	338.8160276107174	322.93365260187274	3105.290687221166	3107.44380398392	3118.495296754078	3116.962032110480523
288	325	40048	-181521.1413	1066237.3170250766	36.93673048880326	-101.4435648	290304.9840543687	4390292.566095635	338.465712	322.93189313106	3103.5341768734943	3104.9996671010977	3118.977421547818	3117.53223130200482
289	325	40049	-180861.1413	1066237.3170250766	36.9367429191261	-101.441229	290506.019332105	4390284.458782196	338.1153690723144	322.1154560202344	3101.7025781296675	3103.2868281442448	3119.4128778905666	3117.83462700581003
290	325	40050	-180201.1413	1066237.3170250766	36.93675529570267	-101.438881	290707.0476042437	4390281.3858567175	337.765030033154	322.9173979712757	309.9593411159035	3101.269611641495	3119.75448385537212	3118.4416382978613
291	325	40051	-179541.1413	1066237.3170250766	36.9367676265055	-101.4365391	290908.0790709881	4390280.296107567	332.0365216859977	321.8324344292948	309.8622540580078	309.9213135672043	3120.0979379128694	3119.10420882090557
292	325	40052	-178881.1413	1066237.3170250766	36.93677991155613	-101.4341972	291108.110332454	4390276.207	332.0365216859977	321.8324344292948	309.8622540580078	309.9213135672043	3120.0979379128694	3119.10420882090557
293	325	40053	-178221.1413	1066237.3170250766	36.93679215181942	-101.431941	291303.5266512475	4390272.71292551	338.551268144553	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
294	325	40054	-177561.1413	1066237.3170250766	36.93680434640505	-101.4295134	291511.1272400236	4390268.02816129	335.70895246022	321.8412713212545	309.2685529734925	309.2760329011465	3121.0436387755024	3118.5545988268198
295	325	40055	-176901.1413	1066237.3170250766	36.93681649601925	-101.4271715	291712.202881584	4390263.93930784	338.4074627220045	321.806327	309.21104997355526	309.2188383930302	3120.6953774207378	3120.61792903919609
296	325	40056	-176241.1413	1066237.3170250766	36.93682860035564	-101.4248295	291913.233310292	4390259.56075413	338.611804274836	321.8110321536812	309.2055006806206	309.20279233775514	3119.3760146742587	3112.230981635642
297	325	40057	-175581.1413	1066237.3170250766	36.93684054964975	-101.4224876	292114.236569734	4390255.8272117	338.415962578204	321.80555448649334	309.176774036886	309.2092789789196	3118.28704849623179	3118.0486260581376
298	325	40058	-174921.1413	1066237.3170250766	36.936852673301306	-101.4201457	292315.29360450734	4390251.64094115	338.920120180072	320.876397248573	309.149371275688	309.1588825028177	3117.8568394989821	3117.0905767966804
299	325	40059	-174261.1413	1066237.3170250766	36.93686441910835	-101.4178038	292516.324355553	4390247.1783621	338.955268144553	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
300	325	40060	-173601.1413	1066237.3170250766	36.9368765527732	-101.4154619	292713.30530056	4390243.4842289	338.920120180072	320.876397248573	309.149371275688	309.1588825028177	3117.8568394989821	3117.0905767966804
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302	325	40062	-172281.1413	1066237.3170250766	36.93690027628351	-101.410778	293119.411707707	4390235.32369573	338.2711864475823	321.734984030136	308.8447645326233	308.7590914739204	3117.42528369303	3115.582536930317275
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304	325	40064	-170961.1413	1066237.3170250766	36.936926381	-101.4060492	293521.469641669	4390227.14980485	337.765030033154	322.9173979712757	309.9593411159035	3101.269611641495	3119.75448385537212	3118.4416382978613
305	325	40065	-170301.1413	1066237.3170250766	36.93693550347396	-101.403752	293722.498154581	4390223.63228033	337.765030033154	322.9173979712757	309.9593411159035	3101.269611641495	3119.75448385537212	3118.4416382978613
306	325	40066	-169641.1413	1066237.3170250766	36.93694741533857	-101.401413	293923.5266512475	4390219.378962147	338.551268144553	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
307	325	40067	-168981.1413	1066237.3170250766	36.93695967208134	-101.3990684	294124.551736706	4390216.89073116	336.825895620813	319.6236807458167	308.4175286700438	308.4175286700438	3120.6953774207378	3120.61792903919609
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309	325	40069	-167661.1413	1066237.3170250766	36.9369818366513	-101.3943846	294526.610585107	4390206.79150534	336.200497218033	319.4329879095434	308.297232486565	308.297232486565	3117.8568394989821	3117.0905767966804
310	325	40070	-167001.1413	1066237.3170250766	36.93699331060334	-101.3920426	294727.631885379	4390202.63370142	335.594627	319.2101876816537	308.1984394380445	308.1984394380445	3117.8568394989821	3117.0905767966804
311	325	40071	-166341.1413	1066237.3170250766	36.937004736304846	-101.389707	294928.665906981	4390198.58	335.0516242748874	319.5067660381693	307.61999390315	308.3807388217	3119.916925855422	3117.0905767966804
312	325	40072	-165681.1413	1066237.3170250766	36.93701611670047	-101.387358	295129.6927917925	4390193.454844807	335.12549669036	319.10880750239	307.61999390315	308.3807388217	3119.916925855422	3117.0905767966804
313	325	40073	-165021.1413	1066237.3170250766	36.93702815181942	-101.385023	295330.7266512475	4390189.78154558	334.81842327793	326.2911057484924	3126.545221738224	3126.332852952302	3124.0436387755024	3121.0436387755024
314	325	40074	-164361.1413	1066237.3170250766	36.9370394194409	-101.3826749	295531.74695160833	4390186.294176921	334.8					

ix	yr	dc	lt	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.L.R	BRIEVOctNo	BRIEVBathNo	SurThkNoLg	SurThkBotH
397	20157	-105981.1413	10062327.3170250766	39838718091292104	-101.1882925	312126.2902983214	4389848.068695162	389591689571026	3697992839118454	2983.744726411058	2927.232427481672	86.2345570078756	97.65500916368719		
398	20158	-108921.1413	10062327.3170250766	3983872558080233	-101.1859506	312147.3027170075	4389844.003717524	318836015429648	306885984330764	2983.451418731571	2947.154709427687	84.4607255924964	97.7840349030787		
399	20159	-106961.1413	10062327.3170250766	398387302078873	-101.1862666	312147.3027170075	4389844.003717524	318836015429648	306885984330764	2983.451418731571	2947.154709427687	84.4607255924964	97.7840349030787		
400	20160	-107001.1413	10062327.3170250766	3983873404209899	-101.1812666	312189.3252135086	4389835.872893874	3199.73960307896	3066.748623154973	2983.65268079796	2979.0716715355	83.1121815715355	99.7340579780443		
401	20161	-106941.1413	10062327.3170250766	398387347874	-101.1789246	313020.3336538876	4389831.808091485	3200.3146791907115	3063.7179591043896	2982.7681827402	2978.0869	83.5459612769879	99.6290132736944		
402	20162	-106281.1413	10062327.3170250766	3983873506840016	-101.1765268	313221.34360170655	4389835.75316335	3201.3346600272	3064.681382	2980.0203	2975.1296059569213	84.6784794196237	99.8571764703873		
403	20163	-105621.1413	10062327.3170250766	3983873626368882	-101.1724207	313422.3533683605	4389823.671967342	3205.11812729095	3062.638167381307	2977.31482713038	2973.2545019380232	86.34010642024763	99.1098573898827		
404	20164	-104961.1413	10062327.3170250766	3983873695673308	-101.1718987	313623.3625927916	4389819.61504489	3206.612963171	3062.638167381307	2977.31482713038	2973.2545019380232	86.34010642024763	99.1098573898827		
405	20165	-104301.1413	10062327.3170250766	39838736732353731	-101.1695957	313827.34272353731	4389815.51148851	3203.570843232436	3061.6299645737134	2976.0220265134	2968.85853438728	90.60340885792	97.444299		
406	20166	-104541.1413	10062327.3170250766	3983873695673308	-101.1718987	313623.3625927916	4389819.61504489	3206.612963171	3062.638167381307	2977.31482713038	2973.2545019380232	86.34010642024763	99.1098573898827		
407	20167	-102981.1413	10062327.3170250766	398387389095	-101.1648727	314226.3906156207	4389824.4038315	3207.0183232436	3059.637438301145	2984.158856	2981.546683869458	94.8788806515448	99.060120651846		
408	20168	-102321.1413	10062327.3170250766	39838739879846275	-101.1625307	314427.3947473434	4389803.362819753	321.786475120730	3058.653179481684	2985.25035988265	2977.8594584532	97.9014819590196	100.7875274663945		
409	20169	-101661.1413	10062327.3170250766	39838739407486253	-101.1601887	314628.40851076185	4389819.782985625	3216.55411687033	3057.6793183391974	2985.25035988265	2977.8594584532	97.9014819590196	100.7875274663945		
410	20170	-101001.1413	10062327.3170250766	39838739152586635	-101.1578468	314849.416649052	4389819.782985625	3221.32709344225	3056.7140849405544	2984.158856	2981.546683869458	94.8788806515448	99.060120651846		
411	20171	-100341.1413	10062327.3170250766	398387391827199684	-101.1555048	315030.4224623795	4389819.782985625	3221.32709344225	3056.7140849405544	2984.158856	2981.546683869458	94.8788806515448	99.060120651846		
412	20172	-99681.1413	10062327.3170250766	39838739256823899	-101.153628	315233.4309373878	4389817.1	3215.888127536187	3054.808474445708	2985.01649913248	2984.590645222138	106.2679253423489	108.8279290356564		
413	20173	-99021.1413	10062327.3170250766	398387393249413299	-101.150628	315432.4410521392	4389819.04813334	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
414	20174	-98361.1413	10062327.3170250766	3983873932922899	-101.148178	315633.448824084	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
415	20175	-97701.1413	10062327.3170250766	39838739458080304	-101.146138	315834.4624616907	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
416	20176	-97041.1413	10062327.3170250766	398387395266	-101.143748	316035.463936281	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
417	20177	-96381.1413	10062327.3170250766	39838739528058845	-101.1414528	316236.471172603	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
418	20178	-95721.1413	10062327.3170250766	398387395687	-101.1391109	316437.472292163	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
419	20179	-95061.1413	10062327.3170250766	398387395687	-101.136869	316638.4651083324	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
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421	20181	-93741.1413	10062327.3170250766	398387395687	-101.1320489	317040.48682215	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
422	20182	-93081.1413	10062327.3170250766	398387395687	-101.1294209	317241.5047	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
423	20183	-92421.1413	10062327.3170250766	398387395687	-101.1274007	317442.5108037135	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
424	20184	-91761.1413	10062327.3170250766	398387395687	-101.1250589	317643.5168162254	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
425	20185	-91141.1413	10062327.3170250766	398387395687	-101.1227169	317844.5226	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
426	20186	-90441.1413	10062327.3170250766	398387395687	-101.1201749	318044.5226	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
427	20187	-89781.1413	10062327.3170250766	398387395687	-101.1180329	318246.5370686225	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
428	20188	-89121.1413	10062327.3170250766	398387395687	-101.1156909	318447.5309257749	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
429	20189	-88461.1413	10062327.3170250766	398387395687	-101.113348	318648.544081107	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
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432	20192	-86481.1413	10062327.3170250766	398387395687	-101.106323	319251.5583173054	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
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434	20194	-85161.1413	10062327.3170250766	398387395687	-101.101937	319653.5602770137	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
435	20195	-84501.1413	10062327.3170250766	398387395687	-101.099229	319854.570965261	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
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437	20197	-83181.1413	10062327.3170250766	398387395687	-101.094613	320256.575824285	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
438	20198	-82521.1413	10062327.3170250766	398387395687	-101.092271	320457.5820395327	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
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441	20201	-80541.1413	10062327.3170250766	398387395687	-101.085245	321060.591536765	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
442	20202	-79881.1413	10062327.3170250766	398387395687	-101.082931	321261.59345478	4389817.98627828	3216.45152839076	3053.8618672781	2986.8378376994	2981.31268781653	109.9451580910971	109.9451580910971		
443	20203	-79221.1413	10062327.3170250766	398387395687	-101.080651	321462.5956963386	4389817.9862782								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBthKgr.f	SatHtBoth.f	SatHtBoth.ft
525	325	240283	-26241.14133	1006237.3170250766	39.384054669965	-100.8932002	337542.26284025004	4389337.5993093974	2927.696037368781	281.7915913973617	281.7915913973617	38.7162102413327	38.41021973884274
524	325	240284	-25761.14133	1006237.3170250766	39.38407255641525	-100.8908582	337743.252065051	438933.562	281.3156471451618	283.36422595301	283.36422595301	38.6074120303386	38.6074120303386
525	325	240285	-25191.14133	1006237.3170250766	39.38408699941005	-100.8854661	337844.2441	438932.8369227308	285.7874187691987	283.848424514314	283.848424514314	38.53826926079169	38.53826926079169
526	325	240286	-24641.14133	1006237.3170250766	39.3841006719505	-100.8861741	338145.23	4389335.488978262	296.855466987716	2873.5506443792126	283.3506382796544	38.48909616	38.6335396466307
527	325	240287	-23781.14133	1006237.3170250766	39.3841235013016	-100.8838321	338346.2188021924	4389321.45256179	297.8549382121341	2871.26437082528	2833.503679342744	37.76130291408339	38.00012536511986
528	325	240288	-23121.14133	1006237.3170250766	39.38413967766886	-100.8814901	338547.20740162046	4389316.415615555	296.9528301392174	2868.928781935578	2832.1069758277154	38.322406788778416	36.60589601779367
529	325	240289	-22661.14133	1006237.3170250766	39.38415520184665	-100.8791481	338748.19564395736	4389313.38067838	298.6544804937346	2866.544804937346	2830.629329403362	38.19167832903819	35.905963488972976
530	325	240290	-21801.14133	1006237.3170250766	39.384170375703	-100.8786861	338949.1841313045	4389309.354026665	297.07264533306	2864.115419109153	2829.6181455931285	34.95604426384949	34.53221277038031
531	325	240291	-21141.14133	1006237.3170250766	39.3841859526385	-100.874464	339150.172260347	4389305.396827037	298.6376771434286	2865.546921434286	2828.669710938275	32.9652546619848	32.9652546619848
532	325	240292	-20461.14133	1006237.3170250766	39.3841993596545	-100.872122	339351.1602348033	4389301.274403521	297.9256017951763	2859.133160848585	2829.2918745659485	2827.7939011863124	31.33925890132077
533	325	240293	-19821.14133	1006237.3170250766	39.384211740151	-100.86978	339562.1480537156	4389329.23430081	293.92744422401236	2856.587391960935	2828.279309305204	30.8461402845966	29.228135034502219
534	325	240294	-19161.14133	1006237.3170250766	39.3842263592116	-100.867438	339753.1357172855	4389293.20482051	299.0232767884713	2854.0113752036796	2827.6164790264475	26.39496177232113	27.3138368419645
535	325	240295	-18501.14133	1006237.3170250766	39.3842394537266	-100.865096	339954.123225720	4389291.170159422	300.3018894939539	2827.582679778588	2826.064380419829	23.8270411788117	25.34551353757024
536	325	240296	-17841.14133	1006237.3170250766	39.3842519	-100.862754	340155.1105792242	4389285.136	300.8130302595444	2848.789189670555	2826.7189558393184	24.250151119926516	22.07023331236692
537	325	240297	-17181.14133	1006237.3170250766	39.38426390619286	-100.8604119	340356.097788055	4389281.01790342	286.156404272243	2826.1032362475362	2826.735638954575	21.969511662024704	21.969511662024704
538	325	240298	-16521.14133	1006237.3170250766	39.3842744590009	-100.858069	340557.088227359	4389277.06734065	3012.37217187443	2843.5168274893268	2824.620084695795	18.89674099363125	20.10400580414555
539	325	240299	-15861.14133	1006237.3170250766	39.384286586346	-100.8557279	340758.0717121272	4389273.034327759	3011.784967884944	2840.875743870936	2823.63083194084	16.222965831590037	17.99991227408997
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541	325	240301	-14541.14133	1006237.3170250766	39.3843074005384	-100.8510439	341160.043030042	4389264.6756616	3003.599511788278	2835.6094964271626	2820.818498123004	12.9402719739516	14.7909893406882
542	325	240302	-13881.14133	1006237.3170250766	39.3843171428086	-100.8487818	341361.0314582512	4389261.59611296	3006.596763735117	2832.94055569466	2818.820887870533	11.165966782412525	14.24415258303613
543	325	240303	-13221.14133	1006237.3170250766	39.3843263426241	-100.8463598	341562.0177300825	4389256.902	2995.3575211147054	2830.6060655251	2817.014393095001	9.83427235218983	12.94592737
544	325	240304	-12561.14133	1006237.3170250766	39.3843352969849	-100.8440178	34173.701309	4389252.8695974415	2991.151729271047	2827.8220071233373	2814.8306366083333	7.680959571888	12.52894129700677
545	325	240305	-11941.14133	1006237.3170250766	39.384341405284	-100.8412298	341937.703576107	4389247.3328533	2989.843291738273	2826.949627992158	2813.999752328162	5.708618677458413	7.708618677458413
546	325	240306	-11241.14133	1006237.3170250766	39.3843515872462	-100.8393338	342164.975783218	4389244.70285476	2982.74012955154	2822.7612991048823	2809.658867	4.1032079632962	11.024274028476
547	325	240307	-10581.14133	1006237.3170250766	39.38435960734315	-100.8369917	342365.9614011827	4389240.77361013	2978.487278309197	2822.675328783336	2809.389543264747	2.80754001642808	10.84829158661348
548	325	240308	-9921.14133	1006237.3170250766	39.38436609488494	-100.8346497	342566.9469115846	4389236.71705034	2971.171022741674	2821.830657758396	2807.505161382483	4.125512314591106	10.3209637017474
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556	325	240316	-4641.14133	1006237.3170250766	39.384406268506	-100.8159136	344174.825305544	4389204.497234801	2945.502529147042	2799.6572426781082	2811.7918619594548	0	0
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558	325	240318	-3321.14133	1006237.3170250766	39.384411405284	-100.8112298	344576.703576107	4389198.1438	2928.430416975204	2795.5050571070235	2805.3030278413	0	0
559	325	240319	-2661.14133	1006237.3170250766	39.384413353839	-100.8088875	344777.7775	4389192.40212485	2925.45027851999	2793.485662182893	2798.902799547625	0	0
560	325	240320	-2001.14133	1006237.3170250766	39.3844151	-100.8065455	344978.7612194853	4389188.30022098	2915.9763761107	2794.50499321915	2794.93079738886	0	0
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562	325	240322	-861.14133	1006237.3170250766	39.384416972744	-100.8018614	345380.7281642246	4389180.32126842	2904.3652927129233	2787.662054586578	2786.810129895687	0	0
563	325	240323	-21.14133	1006237.3170250766	39.384417123451	-100.7995914	345581.7141234401	4389176.29501199	2901.365669504824	2785.80367344114	2783.0279459369013	0	0
564	325	240324	658.85867303514	1006237.3170250766	39.3844170017108	-100.7971474	345762.61694	4389200.467688827	2903.4918545071225	2797.5622807621944	2807.77014125558	0	0
565	325	240325	1318.85867303514	1006237.3170250766	39.38441805284	-100.7949334	345962.703576107	4389198.1438	2908.430416975204	2795.5050571070235	2805.3030278413	0	0
566	325	240326	1958.85867303514	1006237.3170250766	39.3844152208781	-100.792434	346168.66288965	4389164.217671128	2899.2550893154	2780.519651108177	2770.77604882878	0	0
567	325	240327	2618.85867303514	1006237.3170250766	39.384413517793	-100.7901513	346365.849156689	4389160.18439361	2892.502860667227	2778.866688	2766.84653688471	0	0
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569	325	240329	3858.85867303514	1006237.3170250766	39.38440915621798	-100.7854673	346787.6077746059	4389152.13400516	2874.650728448424	2775.8348209337	2756.623270044297	0	0
570	325	240330	4598.85867303514	1006237.3170250766	39.3844062275949	-100.7831253	346988.5898947484	4389148.10308153	2864.944969	2774.49335576573	2751.514592030469	0	0
571	325	240331	5298.85867303514	1006237.3170250766	39.3844029	-100.780833	347195.925401867	4389144.07373851	2862.588212504877	2769.154591259446	2747.96613973769	0	0
572	325	240332	5918.85867303514	1006237.3170250766	39.384399195465	-100.7784412	347390.5329545309	4389140.6453014	2851.645450318474	2767.235821435653	2748.2447337789335	0	0
573	325	240333	6578.85867303514	1006237.3170250766	39.3843947356373	-100.77							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	IonatThy94s	SatThBoth.ft
49	325	40409	56738.8586770335	100626237.3170250766	36.5827452839716	-100.58106	362685.73474419885	3488830.709876511	2790.8790830234198	2622.0678491876811	2672.0580697361893	2672.0680697361893	10.0077945149225	9.999812260546002
650	325	40410	57398.8586770335	1006237.3170250766	36.58270616121865	-100.59674	363066.7057849237	3488626.701216821	2785.2770324061348	2669.2730237303434	2669.9602613063303	2669.94225761674	10.33076671178026	10.33076671178026
651	325	40411	58038.8586770335	1006237.3170250766	36.5826666960141	-100.58422	363587.476943678	3488822.837781118	2778.61573481889	2668.503936231645	2668.109424807934	2668.304392414118	10.1903540733935	10.1903540733935
652	325	40412	58718.8586770335	1006237.3170250766	36.582655553583	-100.59106	363468.6474777937	3488816.684570578	2776.701702702578	2676.70170495025	2668.963474036792	2667.0090830835074	9.76266123	9.761146845059053
653	325	40413	59378.8586770335	1006237.3170250766	36.5825860782511	-100.58873	363669.6181203573	3488814.668842072	2768.170618112615	2675.043847610115	2666.3471504487514	2666.5038311629237	8.696702621363784	8.5004165007191467
654	325	40414	60038.8586770335	1006237.3170250766	36.5825541456928	-100.586396	363870.5886372727	3488816.668842072	2742.468000017676	2673.353080978998	2665.190383459994	2665.30913362847	8.163070438	8.044225153505208
655	325	40415	60698.8586770335	1006237.3170250766	36.5825037606828	-100.5840539	364071.5590237507	3488806.61283007	2757.048979695122	2671.687907429955	2663.8659504495192	2663.8659504495192	7.727014298631634	7.727014298631634
656	325	40416	61338.8586770335	1006237.3170250766	36.5824619322222	-100.5817119	364272.5297799974	3488802.654	2751.9707171443005	2670.0682901993	2662.8190072256825	2662.8190072256825	7.2207905410005	7.171302139036015
657	325	40417	62018.8586770335	1006237.3170250766	36.5824196330104	-100.579369	364474.4940621654	3488796.548891158	2746.92049494444	2668.430451682526	2661.873670132079	2661.873670132079	6.558785145317685	6.558785145317685
658	325	40418	62678.8586770335	1006237.3170250766	36.5823788904718	-100.5770279	364674.494025171	3488794.504016268	2741.828472043996	2666.843947052797	2660.8653374629336	2660.8653374629336	5.975705124234059	5.975705124234059
659	325	40419	63338.8586770335	1006237.3170250766	36.5823336961341	-100.5746859	364875.432693988	3488790.63375884	2736.847760077919	2665.2758822180456	2659.7796304428314	2659.7796304428314	5.49635717352413	5.533130045431367
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661	325	40421	64658.8586770335	1006237.3170250766	36.58224549154564	-100.5700019	365277.378614946	3488782.660274708	2727.0725173188947	2662.2044293597	2657.58374592243	2657.58374592243	4.617685790766666	4.617685790766666
662	325	40422	65318.8586770335	1006237.3170250766	36.5822013969892	-100.5675699	365478.34809412167	3488787.614799971	2727.148959350488	2666.726501878734	2656.475440857245	2656.475440857245	4.25016021489022	4.25016021489022
663	325	40423	65978.8586770335	1006237.3170250766	36.5821564	-100.5653179	365679.3174444504	3488774.09096263	2718.777930155468	2659.252678797963	2655.2308333965007	2655.2308333965007	3.81098824616028	3.81098824616028
664	325	40424	66638.8586770335	1006237.3170250766	36.5821110333064	-100.5629769	365880.2866630195	3488770.603337199	2710.85026057208	2657.790261101591	2653.680776726731	2653.680776726731	3.4022701496408	3.4022701496408
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667	325	40427	68618.8586770335	1006237.3170250766	36.581971824048	-100.5559499	366483.193622363	3488758.58825066	2696.870717032024	2653.5340833676023	2648.0174115925024	2648.628100504763	4.15212770599092	4.1032086239217
668	325	40428	69278.8586770335	1006237.3170250766	36.5819245825377	-100.5536079	366684.1622717469	3488753.80370262	2696.196371980784	2652.1431741978094	2645.9357324017128	2646.9357324017128	3.882623180681382	3.7761713715466915
669	325	40429	69938.8586770335	1006237.3170250766	36.5818765997035	-100.5512569	366885.1306369975	3488750.579304785	2696.260166832569	2649.750846711444	2638.4274379135613	2638.4274379135613	3.4858068578255	3.4858068578255
670	325	40430	70598.8586770335	1006237.3170250766	36.5818269914529	-100.5489238	367086.05903033	3488745.517131098	2696.51966169985	2649.37479576531	2632.29295	2632.114202971194	3.0224485780942	3.0224485780942
671	325	40431	71258.8586770335	1006237.3170250766	36.5817806723564	-100.5465823	367287.6750418962	3488740.55189794	2694.084159511159	2638.524122102333	2632.81301824336	2632.81301824336	2.619311915899565	2.619311915899565
672	325	40432	71918.8586770335	1006237.3170250766	36.581731	-100.5442399	367488.035832782	3488735.567354155	2694.45150912053	2646.620983431286	2625.893423799216	2625.893423799216	2.21759633211239	2.21759633211239
673	325	40433	72578.8586770335	1006237.3170250766	36.5816814614729	-100.5418978	367689.040096929	3488734.56525244	2693.847196776371	2645.241927092975	2628.712435663099	2628.46140899767	1.65294914286769	1.67800520299922
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675	325	40435	73898.8586770335	1006237.3170250766	36.581581054862	-100.5372138	368090.9387781473	3488729.55762035	2689.792921483	2642.460466380717	2633.044022782795	2633.044022782795	0.94164386790219	0.94164386790219
676	325	40436	74558.8586770335	1006237.3170250766	36.5815301598116	-100.5348718	368291.940729645	3488722.54794344	2688.93393544151	2641.0509441104687	2633.75910753603	2633.75910753603	0.73144280766123	0.73144280766123
677	325	40437	75218.8586770335	1006237.3170250766	36.5814786304718	-100.5325286	368492.8750418962	3488714.55890378	2688.084159511159	2638.524122102333	2632.81301824336	2632.81301824336	0.5224485780942	0.5224485780942
678	325	40438	75918.8586770335	1006237.3170250766	36.58140210914	-100.5301878	368693.942050784	3488714.55890378	2687.21306173504	2630.8014255099	2630.8014255099	2630.8014255099	0.3224485780942	0.3224485780942
679	325	40439	76538.8586770335	1006237.3170250766	36.58137478529174	-100.5278458	368894.809627663	3488710.54735065	2687.320574049805	2636.70384261218	2627.96281728059	2627.8666385984957	0.14024933159224	0.14024933159224
680	325	40440	77198.8586770335	1006237.3170250766	36.581320289036	-100.5255038	369095.776995171	3488706.54720888	2677.35355817829	2625.106429911064	2624.164195875613	2624.07833984074	0.105446825545026	0.112300877032568
681	325	40441	77858.8586770335	1006237.3170250766	36.5812688043026	-100.5231618	369296.7440624854	3488702.54012283	2677.368541407615	2623.66573105735	2619.3945611541258	2619.3945611541258	0.12716990390072	0.12716990390072
682	325	40442	78518.8586770335	1006237.3170250766	36.5812153391619	-100.5208198	369497.711004249	3488698.54228859	2672.49103263946	2622.049471263294	2613.70362346017	2613.70362346017	0.1390779177607	0.1390779177607
683	325	40443	79178.8586770335	1006237.3170250766	36.5811612855474	-100.518478	369698.6776228825	3488694.54126889	2660.706219318251	2620.49356944625	2608.68142304378	2608.68142304378	0.1523740005997	0.1523740005997
684	325	40444	79838.8586770335	1006237.3170250766	36.581107794989	-100.516135	369899.544515975	3488690.5424204	2658.246625452404	2620.49356944625	2608.68142304378	2608.68142304378	0.1652374005997	0.1652374005997
685	325	40445	80498.8586770335	1006237.3170250766	36.5810521099466	-100.5137938	370100.618209929	3488686.539421484	2658.783705315565	2627.94683760219	2607.089454551193	2607.089454551193	0.178524478082004	0.178524478082004
686	325	40446	81158.8586770335	1006237.3170250766	36.5809994100422	-100.5115418	370301.572599556	3488682.5383633	2655.327477207076	2627.437164388405	2606.105274353162	2606.105274353162	0.19124208534262	0.19124208534262
687	325	40447	81818.8586770335	1006237.3170250766	36.5809405466415	-100.5091098	370502.548510657	3488680.53942029	2654.31369315226	2626.36362648193	2602.234808900415	2602.234808900415	0.2041549371514	0.2041549371514
688	325	40448	82478.8586770335	1006237.3170250766	36.5808804237928	-100.5067678	370703.5104852715	3488674.53810581	2654.24129219038	2626.3654815236	2603.04369368423	2603.04369368423	0.21894913100905	0.21894913100905
689	325	40449	83138.8586770335	1006237.3170250766	36.58082674624998	-100.5044259	370904.4712524694	3488670.53845118	2659.675115059415	2625.71726	2602.8626940461318	2602.8626940461318	0.234565623785969	0.234565623785969
690	325	40450	83798.8586770335	1006237.3170250766	36.5807702475125	-100.5020369	371105.4207330317	3488665.53827398	2658.1011739379	2624.963235	2601.49270729943	2601.49270729943	0.250844396880032	0.250844396880032
691	325	40451	84458.8586770335	1006237.3170250766	36.580716409614	-100.5000039	371306.567015975	3488661.53827398	2656.83093601493	2624.963235	2601.49270729943	2601.49270729943	0.26794913100905	0.26794913100905
692	325	40452	85118.8586770335	1006237.3170250766	36.58065544	-100.4973999	371507.3							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.t	W.L.t	BR ElevLogs.kg.t	BR ElevBoth.kg.t	AtSeaOss.kg.t	SurfBoth.kg.t	
35	326	240535	-348501.1413	-10.068987	3170250766	36.33394720778677	-102.0306653	239440.90904682994	4319536.056721418	3646.2577851592387	3520.3187207589986	3478.364665450005	3478.4925291779384	41.54405531	41.82619150862176
36	326	240536	-347641.1413	-10.068987	3170250766	36.33391707470472	-102.0327323	239641.9955239917	4319531.308	3640.6926933369027	3516.562063192478	3473.55490128677	3473.55490128677	40.40171526527305	40.503738677
37	326	240537	-347181.1413	-10.068987	3170250766	36.3334913687651335	-102.0313678	239843.08914682124	4319532.436	3642.492353656914	3507.306841180655	3469.113682180655	3469.113682180655	35.87419823242817	35.87419823242817
38	326	240538	-346521.1413	-10.068987	3170250766	36.33401867	-102.0290043	240054.1791519367	4319532.61245781	3625.502596923131	3515.16704097576	3465.5646747230007	3465.5646747230007	40.6020493457547	40.92567811627305
39	326	240539	-345861.1413	-10.068987	3170250766	36.33402445051264	-102.0266986	240245.2686	4319519.4650789646	3628.8023095301	3513.5271816063882	3462.156107182898	3461.527165	51.37107424349043	52.0001645045813
40	326	240540	-345201.1413	-10.068987	3170250766	36.33406600903088	-102.024357	240446.3578569933	4319515.318	3631.1217001512776	3511.32149008143117	3458.9627287518083	3458.288003	52.960726205336	53.00648790323414
41	326	240541	-344541.1413	-10.068987	3170250766	36.33409137075784	-102.0220153	240647.44684738023	4319511.70623083	3636.98429663214	3510.383211806544	3457.047475469014	3455.6908906169606	53.30634571	54.66284056369386
42	326	240542	-343881.1413	-10.068987	3170250766	36.33411332628597	-102.0196736	240848.53588103208	43195107.032745084	3640.4969630217264	3508.815763477467	3457.8736171360997	3457.8819059259738	50.933845134736734	50.933845134736734
43	326	240543	-343221.1413	-10.068987	3170250766	36.33413687651335	-102.0173178	241049.6240815726	43195107.032745084	3642.492353656914	3507.306841180655	3469.113682180655	3469.113682180655	48.8371978877237	48.8371978877237
44	326	240544	-342561.1413	-10.068987	3170250766	36.3341603616189	-102.0149502	241250.7127289614	4319498.730849498	3641.2535365969269	3505.524810406495	3459.699945820957	3459.699945820957	51.0648459181442	51.0648459181442
45	326	240545	-341901.1413	-10.068987	3170250766	36.33418341407555	-102.0126485	241451.800341407555	4319494.584494625	3640.0341635018567	3504.367916540685	3459.919566102346	3457.0237284895956	47.3441131547292	47.3441131547292
46	326	240546	-341241.1413	-10.068987	3170250766	36.33420725597289	-102.0103069	241652.8795249825	4319490.438339684	3638.80506824214	3502.932606355736	3457.089096533628	3457.089096533628	44.93059526895305	44.93059526895305
47	326	240547	-340581.1413	-10.068987	3170250766	36.33423062531407	-102.0079652	241853.9745050816	4319486.298202174	3640.628925973019	3501.516925087334	3453.927276	3454.34340073314	47.0889756585780	47.0889756585780
48	326	240548	-339921.1413	-10.068987	3170250766	36.33425949414834	-102.0056235	242055.062630911	4319482.174700083	3645.50513627452	3449.4523683299776	3451.868712811279	3451.868712811279	46.6669819744749	46.6669819744749
49	326	240549	-339261.1413	-10.068987	3170250766	36.33427228260524	-102.0032818	242256.1494543841	4319482.174700083	3648.362594347376	3448.793946	3450.08809502085	3450.08809502085	45.86707059484011	45.86707059484011
50	326	240550	-338601.1413	-10.068987	3170250766	36.33430046191113	-102.0009401	242457.2362359348	4319473.856981817	3655.295187122899	3447.378213719718	3440.790331979718	3440.790331979718	57.0223086257529	57.0223086257529
51	326	240551	-337941.1413	-10.068987	3170250766	36.334323650306584	-10.9958594	242658.32266492581	4319469.712107025	3647.378516752963	3446.036918	3438.34825328617	3440.9225162641296	56.66666471655277	56.66666471655277
52	326	240552	-337281.1413	-10.068987	3170250766	36.334346373466825	-10.9962567	242859.40882458962	4319465.567585788	3645.026748516825	3444.750813213287	3433.50420947586	3433.50420947586	61.9608735107211	61.9608735107211
53	326	240553	-336621.1413	-10.068987	3170250766	36.33436989139185	-10.993915	243060.94476578707	4319461.4232309665	3636.578264	3433.41253796139	3430.414913914032	3430.414913914032	62.99762405	62.99762405
54	326	240554	-335961.1413	-10.068987	3170250766	36.33439240048159	-10.9915733	243261.58043472792	4319457.279104083	3628.1302662196834	3432.1292662196834	3428.973393889054	3428.973393889054	63.9498723062948	63.9498723062948
55	326	240555	-335301.1413	-10.068987	3170250766	36.33441591355956	-10.9892216	243462.6684961861	4319453.13208937	3618.848063070933	3430.86531704081	3427.824143201881	3427.824143201881	64.9321908092745	64.9321908092745
56	326	240556	-334641.1413	-10.068987	3170250766	36.334438913735005	-10.986889	243663.7510105958	4319448.991541662	3608.73110814737	3429.62074969597	3427.264588144075	3427.264588144075	65.936055258973	65.936055258973
57	326	240557	-333981.1413	-10.068987	3170250766	36.3344629328625	-10.9844348	243864.8691805258	4319444.848	3608.73110814737	3429.62074969597	3427.264588144075	3427.264588144075	66.936055258973	66.936055258973
58	326	240558	-333321.1413	-10.068987	3170250766	36.33448470248676	-10.982205	244065.8205730213	4319440.7049576	3588.4917579526247	3429.62074969597	3427.264588144075	3427.264588144075	67.936055258973	67.936055258973
59	326	240559	-332661.1413	-10.068987	3170250766	36.33450752899414	-10.9798648	244267.004778452	4319436.519681389	3578.82103328007	3429.62074969597	3427.264588144075	3427.264588144075	68.936055258973	68.936055258973
60	326	240560	-332001.1413	-10.068987	3170250766	36.33453031	-10.9775231	244468.08912051073	4319432.419167245	3572.5856392482	3429.62074969597	3427.264588144075	3427.264588144075	69.936055258973	69.936055258973
61	326	240561	-331341.1413	-10.068987	3170250766	36.33455305	-10.9751814	244669.1703142446	4319428.276649789	3565.36634116495	3429.62074969597	3427.264588144075	3427.264588144075	70.936055258973	70.936055258973
62	326	240562	-330681.1413	-10.068987	3170250766	36.3345757317123875	-10.9727387	244870.2566773088	4319424.134356037	3558.1149852984704	3429.62074969597	3427.264588144075	3427.264588144075	71.936055258973	71.936055258973
63	326	240563	-330021.1413	-10.068987	3170250766	36.33459846369405	-10.9703789	245071.3404746337	4319419.992294048	3550.9853943511978	3429.62074969597	3427.264588144075	3427.264588144075	72.936055258973	72.936055258973
64	326	240564	-329361.1413	-10.068987	3170250766	36.33462096282851	-10.9681562	245272.412345405	4319415.8206295	3543.29524819237	3429.62074969597	3427.264588144075	3427.264588144075	73.936055258973	73.936055258973
65	326	240565	-328701.1413	-10.068987	3170250766	36.33464338127119	-10.9658145	245473.5060710687	4319411.709	3532.4932749926364	3429.62074969597	3427.264588144075	3427.264588144075	74.936055258973	74.936055258973
66	326	240566	-328041.1413	-10.068987	3170250766	36.33466604799008	-10.9634728	245674.578505093	4319407.56748532	3527.9739402304317	3429.62074969597	3427.264588144075	3427.264588144075	75.936055258973	75.936055258973
67	326	240567	-327381.1413	-10.068987	3170250766	36.33468851267111	-10.9611311	245875.67108737497	4319403.426340889	3520.5283655077656	3429.62074969597	3427.264588144075	3427.264588144075	76.936055258973	76.936055258973
68	326	240568	-326721.1413	-10.068987	3170250766	36.334710932008225	-10.9587984	246076.753710873807	4319399.285473085	3513.07338931798	3429.62074969597	3427.264588144075	3427.264588144075	77.936055258973	77.936055258973
69	326	240569	-326061.1413	-10.068987	3170250766	36.3347330613614	-10.9564478	246277.8305982046	4319395.144739828	3503.847413128267	3429.62074969597	3427.264588144075	3427.264588144075	78.936055258973	78.936055258973
70	326	240570	-325401.1413	-10.068987	3170250766	36.33475591267862	-10.9541059	246478.912717804	4319391.004281917	3500.9543493849273	3429.62074969597	3427.264588144075	3427.264588144075	79.936055258973	79.936055258973
71	326	240571	-324741.1413	-10.068987	3170250766	36.3347787187577	-10.9517642	246679.9881	4319386.8605825235	3508.21770785267	3429.62074969597	3427.264588144075	3427.264588144075	80.936055258973	80.936055258973
72	326	240572	-324081.1413	-10.068987	3170250766	36.33480051751287	-10.9494225	246881.0732278966	4319382.74057081	3502.256414678593	3429.62074969597	3427.264588144075	3427.264588144075	81.936055258973	81.936055258973
73	326	240573	-323421.1413	-10.068987	3170250766	36.33482255042383	-10.9470807	247082.1601100382	4319378.58248818	3500.0005856634	3429.62074969597	3427.264588144075	3427.264588144075	82.936055258973	82.936055258973
74	326	240574	-322761.1413	-10.068987	3170250766	36.33484440840969	-10.944739	247283.24083710255	4319374.44747118	3501.347042587333	3429.62074969597	3427.264588144075	3427.264588144075	83.936055258973	83.936055258973
75	326	240575	-322101.1413	-10.068987	3170250766	36.334866601148275	-10.9423973	247484.3214249069	4319370.305	3501.8454981989	3429.62074969597	3427.264588144075	3427.264588144075	84.936055258973	84.936055258973
76	326	240576	-321441.1413	-10.068987	3170250766	36.33488865860506	-10.940055	247685.4013417609	4319366.165655056	3501.83275885552	3429.62074969597	3427.264588144075	3427.264588144075	85.936055258973	85.936055258973
77	326	240577	-320781.1413	-10.068987	3170250766	36.33491079016787	-10.9377181	247886.912717804	4319362.0050253	3501.83275885552	3429.62074969597	3427.264588144075	3427.264588144075	86.936055258973	86.936055258973
78	326	240578	-320121.1413	-10.068987	3170250766	36.33493283795447									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.ft	BRiElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
132	26	240661	-265341.1413	1006897.310250766	36.3659820358391	-107.7410034	26476.3215203888	4391015.181484984	3615.5338912583438	3383.936260452992	3276.4864838838985	3279.3548708698989	407477669909346	104.58138967400282
132	26	240662	-264681.1413	1006897.310250766	36.36613671061914	-107.7389616	26497.380347482	4391015.02698615	3612.009419953028	3383.11003499528	3274.21459240857	3279.350022979498	408595257866793	107.8100120268033
133	26	240663	-264021.1413	1006897.310250766	36.36364348241513	-107.7683197	26517.4401353339	4391015.42323328	3589.268147895498	3382.268147895498	3272.108916846457	3271.3306281854033	408595257866793	110.8265232998911
134	26	240664	-263631.1413	1006897.310250766	36.36652668971265	-107.7337979	26537.4909593534	4391002.83168418	3604.386987674025	3370.106985311746	3268.34879291048	3268.34879291048	411.2367046	113.03579804730456
135	26	240665	-262701.1413	1006897.310250766	36.3667600287137	-107.731636	26558.550	4390998.705247978	3582.50214690519	3380.53121205373	3268.4168151883837	3268.40400184731	412.1147968634349	111.6911169989060
136	26	240666	-262041.1413	1006897.310250766	36.36688636446336	-107.7292492	26578.161632151424	4390998.575893005	3596.6053126054905	3379.6418932588235	3267.21964715106	3267.20121711477	412.2446254371741	112.4606114411051
137	26	240667	-261381.1413	1006897.310250766	36.36706527201376	-107.7269523	26598.2746850672	4390990.48680672	3590.6262933125656	3378.93692609095	3265.831902314652	3265.831902314652	412.88237393444318	112.8307910970991
138	26	240668	-260721.1413	1006897.310250766	36.36744227798565	-107.7246105	26618.732623788	4390986.305517402	3593.43592628096	3377.815426980856	3264.94420033011	3265.633091734287	412.8711262607473	112.8611712465691
139	26	240669	-260061.1413	1006897.310250766	36.36784348241513	-107.7224866	26638.4794291539	4390982.232721968	3592.623581401025	3376.870148956208	3264.176357571457	3265.204181477924	412.7380899506528	112.8756242128503
140	26	240670	-259401.1413	1006897.310250766	36.3671007827335	-107.7195259	26659.5480040917	4390978.115155053	3591.810270055027	3375.824259005027	3263.457117073342	3264.75240779458	412.46717732258	111.717643214648
171	26	240671	-258741.1413	1006897.310250766	36.367778815091	-107.7175849	26678.0653048201	4390973.939781684	3589.560111004464	3374.962317829673	3262.784585782923	3262.784585782923	412.77230403703	110.8310061481877
172	26	240672	-258081.1413	1006897.310250766	36.3679555278857	-107.7152431	26698.7624638241	4390969.88076025	3585.873118691891	3373.990542724433	3262.2952671825456	3262.95474207354	411.695282089977	111.0362750490975
173	26	240673	-257421.1413	1006897.310250766	36.3681221826255	-107.7129012	26718.0193490153	4390965.763824575	3582.186125479464	3373.086322513083	3261.67615005889	3263.6919617190756	411.33248218719427	109.3617653040077
174	26	240674	-256761.1413	1006897.310250766	36.36830846343926	-107.7105594	26730.0704070225	4390961.447172628	3578.4991322699484	3372.01652090979	3261.016477205925	3262.7476419807	411.004851883649	109.4687384017171
175	26	240675	-256101.1413	1006897.310250766	36.36848425615154	-107.7082175	26759.1324310884	4390957.303748273	3574.17880390174	3371.07354098754	3260.24182435954	3261.286591795742	410.775529782135	109.7307629031211
176	26	240676	-255441.1413	1006897.310250766	36.3686595893914	-107.7058757	26779.21888238414	4390953.415	3569.225140400198	3370.01156245769	3259.32094263372	3262.09094657604	410.6912136	109.7421916782047
177	26	240677	-254781.1413	1006897.310250766	36.368834747376604	-107.7035338	26793.2445667918	4390949.28865026	3564.271478832073	3369.007998381705	3258.087960320806	3262.016873009288	410.6128396173643	109.86392898288274
178	26	240678	-254121.1413	1006897.310250766	36.36900800573926	-107.7011919	26814.30033651995	4390948.12948111	3559.317813862084	3368.25338067021	3256.8139973517646	3260.56583076957	410.1169241615264	109.7417407990064
179	26	240679	-253461.1413	1006897.310250766	36.3691828853107	-107.6988051	26835.35584777777	4390941.067335664	3555.09237404823	3365.95908363125	3255.3371047366883	3258.59634905805	410.628432463491	108.3631593042064
180	26	240680	-252801.1413	1006897.310250766	36.3693564124805	-107.6965082	26856.96141703777	4390936.952053675	3551.495667589236	3365.92759371954	3253.8050101	3256.36085107894	410.1246582964908	108.5680126045986
181	26	240681	-252141.1413	1006897.310250766	36.36952984872478	-107.6941663	26879.7461856814	4390932.837001136	3547.932125440348	3364.839691845453	3253.951602048819	3253.9513685	412.9420073385256	111.37974430010528
182	26	240682	-251481.1413	1006897.310250766	36.3697071095121	-107.69181245	26898.52107147498	4390928.721795037	3543.36582826607	3363.85006315354	3250.064754612436	3252.453137357924	411.7835083582057	114.4236137561731
183	26	240683	-250821.1413	1006897.310250766	36.3698877889804	-107.6894692	26919.961791916	4390924.569732536	3539.878111667768	3362.781104854883	3248.0752529122	3252.9257529122	412.4214217315875	118.9786891741573
184	26	240684	-250161.1413	1006897.310250766	36.370045971318	-107.6871407	26940.629841446	4390924.439201141	3532.371510353518	3361.745624795605	3246.204575287903	3244.411635303485	411.5540649577619	117.3038986062128
185	26	240685	-249501.1413	1006897.310250766	36.3702172622863	-107.6847898	26960.841288813	4390916.629310237	3525.561309550016	3360.6952113945	3244.387694314054	3241.244330049526	411.650491089256	119.4461991089256
186	26	240686	-248841.1413	1006897.310250766	36.37038075033664	-107.682457	26980.738045887	4390912.265158025	3517.81108741651	3360.40082538199	3242.7367401733027	323.9567477488083	411.9630342648916	120.720468930057
187	26	240687	-248181.1413	1006897.310250766	36.3705584353025	-107.6801151	27003.7917	4390908.15475927	3514.869497	3358.601782317957	3241.031058786653	3239.15790857161	411.5707235309238	119.4647331484271
188	26	240688	-247521.1413	1006897.310250766	36.3707384332365	-107.6777733	27020.8452017347	4390904.038021325	3513.890823440248	3357.583253577289	3239.36082540733	3237.5687478669006	411.22242783697584	120.01450071038822
189	26	240689	-246861.1413	1006897.310250766	36.37091915041136	-107.6754514	27045.6835109136	4390904.267325336	3509.720916074548	3356.538542470548	3237.62141680226	3237.62141680226	411.95870170813678	119.8786891741573
190	26	240690	-246201.1413	1006897.310250766	36.37106690199049	-107.6730989	27066.964512328	4390905.161797288	3507.9150577145208	3355.6811514308	3236.92536479197	3236.92536479197	412.1721596177947	120.215196177947
191	26	240691	-245541.1413	1006897.310250766	36.3712353527163	-107.6707476	27088.0042368778	4390891.69027837	3507.117196827867	3354.766099392925	3234.335652890214	3233.1782637613987	412.0247701072812	121.58440623189381
192	26	240692	-244881.1413	1006897.310250766	36.3714035103575	-107.6684057	27109.056797299	4390887.5846785	3507.5531079151006	3353.90254069034	3232.60755259116	3231.4752515312786	412.2925015431786	122.042776657964
193	26	240693	-244221.1413	1006897.310250766	36.3715710968485	-107.6660639	27121.0113099538	4390883.471474026	3504.9448361619234	3353.005709018684	3231.6036114213	3229.9357834264083	412.140972904780	123.1212592255720
194	26	240694	-243561.1413	1006897.310250766	36.371732905457	-107.663722	27141.1113298378	4390879.3620985	3502.3364464078453	3352.22102975237	3229.193675154997	3228.734782252574	412.0427445343504	124.0427445343504
195	26	240695	-242901.1413	1006897.310250766	36.37190531051	-107.6613801	27162.213258667	4390875.25023364	3500.92691223022	3351.263524789164	3227.45301929898	3227.45301929898	412.9292243994463	124.0701579887118
196	26	240696	-242241.1413	1006897.310250766	36.37207132024606	-107.6590492	27183.2676235336	4390871.192695932	3500.720916074548	3350.538542470548	3225.82141680226	3225.82141680226	412.755338778082	124.17172315875
197	26	240697	-241581.1413	1006897.310250766	36.3722321556301	-107.6566963	27204.313162	4390867.027	3500.51342879667	3349.801642415774	3224.19032755055	3224.571643837984	412.588367910123	125.10852073377905
198	26	240698	-240921.1413	1006897.310250766	36.3724025	-107.6543545	27225.3164257209	4390862.916	3500.35056738219	3348.80640533899	3222.72965158926	3223.29307010128	412.067657346641	125.513398238761
199	26	240699	-240261.1413	1006897.310250766	36.3725674187536	-107.6520126	272416.4181079167	4390859.005290826	3500.05169121452	3347.9159273199502	3221.429344177196	3222.11015890033	412.0685831717996	125.80576759168
200	26	240700	-239601.1413	1006897.310250766	36.37273135003936	-107.6496707	272617.46917171637	4390854.69437388	3507.1013975241954	3347.0079115004073	3219.9025325425	3221.05822280337	412.0185827865028	124.9986832524321
201	26	240701	-238941.1413	1006897.310250766	36.3728995775856	-107.6473288	272818.5197087405	4390850.938299265	3511.70701829887	3346.08190800547	3218.8798195755244	3220.782021220807	412.07114083264	125.968778990013
202	26	240702	-238281.1413	1006897.310250766	36.3730595919033	-107.6448698	273019.570129111	4390846.476332394	3516.300544434316	3345.17653763521	3217.806110016931	3218.763542952758	412.33154781527799	125.3741488243289
203	26	240703	-237621.1413	1006897.310250766	36.3732201907462	-107.642514	27322.6764953826	4390842.519695382	3512.42185172881	3344.2618595727881	3216.73421680226	3216.73421680226	412.421681468474	126.05836969893
204	26	240704	-236961.1413	1006897.310250766	36.3733853419623	-107.6400331	273429.6707804115	4390838.253901585	3513.810135	3343.19465214786	3215.842573453346	3217.493141778391	412.3521097613245	126.70154143306764
205	26	240705	-236301.1413	1006897.31025076										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogK.ft	SatHtBoth.ft
287	326	740787	-182181.1413	1068989.3170250766	36.58353097753019	-101.4459229	290108.051	4309497.9353112895	3384.660594125811	323.6119494039167	3104.189813810897	3108.32732802788	3124.3213559321954	115.28421660112872
288	326	740788	-181521.1413	1068989.3170250766	36.58354344	-101.4433809	290309.8293036106	4309485.644055442	3387.693669261520	3222.1696895973976	3102.6480147502272	3105.8051529652466	115.5216749312742	116.31936370127742
289	326	740789	-180961.1413	1068989.3170250766	36.58355294459035	-101.442129	290510.1146413217	4309480.75420903	3390.726789704587	3222.743836381672	3103.039671024195	3103.419112722983	115.7042652847732	117.243535897894
290	326	740790	-180201.1413	1068989.3170250766	36.58358624158595	-101.438987	290711.146	4309484.6460461873	3393.75981256093	3209.95617905589	3100.9943797069423	3100.9747053153536	118.33036060515287	
291	326	740791	-179541.1413	1068989.3170250766	36.583805072460306	-101.436555	290912.1772002059	4309481.574061302	3394.026962447835	3217.83336450563947	3097.735125076093	3098.861559149963	120.19872052030441	119.072786454151
292	326	740792	-178881.1413	1068989.3170250766	36.58392688082816	-101.434213	291113.20822177024	4309480.943183227	3391.525195498265	3216.542181045691	3095.9642261952627	3096.5620531683216	119.57279557504632	119.96015022609842
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330	326	740830	-153801.1413	1068989.3170250766	36.583995005081587	-101.3452176	298790.32370390023	4309324.242657007	3293.650790590944					

ix	iy	ix	iy	X	Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgrg.F	BRIElevBothKgrg.F	SatHtKgrg.F	SatHtBothKgrg.F		
413	326	240913	-90.221	141313			1068987.3170250766	36.93974547039079	-11.1508296	315436.50995642506	3398984.30204252	3204.638807516276	3052.80914490914267	2943.6261454797095	2943.673092614764	19.18300631171714	11.13605647666282	
414	326	240914	-90.361	141313			1068987.3170250766	36.939752236165215	-11.1484875	315637.5174920413	3398980.204668225	3198.286402032911	3051.875011225451	2943.036293967626	2940.725522502368	19.83571722782517	11.932393957621532	
415	326	240915	-90.701	141313			1068987.3170250766	36.93976950576869	-11.1461458	315834.528478189	3398976.172094866	3198.2583458627224	3050.947458627224	2940.629737448736	2940.629737448736	19.72938518022438	11.18073586931018	
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417	326	240917	-90.361	141313			1068987.3170250766	36.93977226	-11.1416414	316240.53912060417	3398986.056117853	3205.9459007806763	3049.107539012973	2943.460329412109	2943.650096396578	19.460329412109	10.460329412109	
418	326	240918	-95.721	141313			1068987.3170250766	36.9397784680935	-11.1391193	316441.5459381028	3398963.90488237	3208.198105106142	3049.391494059812	2943.391494059812	19.40391494059812	10.40391494059812	10.40391494059812	
419	326	240919	-95.061	141313			1068987.3170250766	36.93978335526554	-11.1367773	316642.53912060417	3398986.056117853	3207.8784913057466	3047.276507439868	2943.2108185116113	2942.6849689719	10.6568989280749	10.6568989280749	
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426	326	240926	-90.441	141313			1068987.3170250766	36.939829862514	-11.1203829	318049.59405089275	3398931.514071281	3217.999264967176	3040.734475157768	2936.806193964321	2933.56212194797	10.92281193446678	10.15235299460791	
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442	326	240942	-79.881	141313			1068987.3170250766	36.93992327546023	-11.0829107	321265.6737546023	3398965.598	3195.37617610041	3022.460071170417	2916.706197162117	2910.524187267704	2910.524187267704	11.1734040250723	11.1734040250723
443	326	240943	-79.221	141313			1068987.3170250766	36.93992876	-11.080568	321466.65873150015	3398962.54	3194.1313878910243	3020.288707734335	2916.47873767139	2909.27495	10.8096633719636	11.01317502713751	
444	326	240944	-78.561	141313			1068987.3170250766	36.93993417010594	-11.078226	321667.660615698	3398968.485121597	3192.6130717040159	3018.849171503253	2916.346649524362	2908.9786313561954	10.50247276596109	10.87409574912997	
445	326	240945	-77.901	141313			1068987.3170250766	36.939939532358755	-11.0758839	321868.6631797976	3398954.40106582	3191.4271182385	3017.3846482592544	2916.2586678997122	2909.220340890093	10.1258903595421	10.81643348355118	
446	326	240946	-77.241	141313			1068987.3170250766	36.93994485	-11.0735418	322069.6640090371	3398950.35731915	3189.66423218518	3015.89373248464	2916.305342380633	2909.992763849441	10.95882589835057	10.95882589835057	
447	326	240947	-76.581	141313			1068987.3170250766	36.93995012352654	-11.0717198	322270.6686106484	3398946.20755594	3187.333051614484	3014.579477439273	2916.02506600792	2910.8107893579433	10.35648983844531	10.35648983844531	
448	326	240948	-75.921	141313			1068987.3170250766	36.9399557124089	-11.0694577	322471.6891473135	3398942.266419804	3186.153950540736	3012.847127040334	2915.851530140056	2910.107367804332	10.42264190450723	10.42264190450723	
449	326	240949	-75.261	141313			1068987.3170250766	36.93996053340948	-11.0671557	322672.6661114614	3398938.21230939	3185.073406197849	3011.2634790167395	2916.010926038904	2909.75937035092	10.28542102244758	10.15603740828745	
450	326	240950	-74.601	141313			1068987.3170250766	36.93996567	-11.0647136	322873.67027024823	3398934.158426393	3187.7949819020243	3009.726790730933	2916.134721232783	2909.082478508406	10.95027805031703	10.6421853068709	
451	326	240951	-73.941	141313			1068987.3170250766	36.9399716200842	-11.0621835	323074.6717211304	3398930.14769554	3186.674051612714	3008.138472330934	2915.905975121357	2909.4764217713624	10.9224971213624	10.9224971213624	
452	326	240952	-73.281	141313			1068987.3170250766	36.939978084387	-11.0594895	323275.6725679196	3398926.05133816	3185.503507909443	3006.53128	2916.02535493063	2909.746417027331	10.0446747203303	10.7846324877062	
453	326	240953	-72.621	141313			1068987.3170250766	36.93998398092297	-11.0571474	323476.6732427407	3398921.998134731	3184.621875791596	3005.005206662156	2913.212140145615	2909.58194732573	10.9360568165409	10.9360568165409	
454	326	240954	-71.961	141313			1068987.3170250766	36.93998576556108	-11.0548054	323677.673474868	3398918.545156208	3183.						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UtmX	UtmY	SurfElev.	W.Ln	BRELEVLogKrg.ft	BRELEVBothKrg.ft	LatSthElevKrg.ft	SurfBothElev
539	326	241039	-15861.14133		-100.8587293	40076.1105654231	4389474.268181254	101.984663686402	23.80105065313302	2824.3709595361947	2824.1190843230834	15.434954995135515	15.6914220246877	
540	326	241040	-15201.14133		-100.8533372	404963.0972054003	4389470.23463185	3006.662620205153	2837.203448490311	2823.198234659526	2822.602842024642	14.00561424385026	14.66606687664914	
541	326	241041	-14541.14133		-100.8506821	411144.63829269	4389466.2104611924	2834.0516029152593	2834.0516029152593	2831.776307449796	2830.92030152593	12.8277974	13.6841833472405	
542	326	241042	-13891.14133		-100.8487301	341365.06958486	4389462.186200676	2908.01847776852	2832.0186809718103	2805.004625178405	2815.0518890917245	11.96418460209792	12.40604829765474	
543	326	241043	-13221.14133		-100.846361	341566.0562262053	4389481.35	2993.957414713626	2826.4467202865037	2818.572536038931	2818.0544558202494	10.837971768112672	11.37775274444383	
544	326	241044	-12561.14133		-100.8440189	341767.0415066468	4389454.10268904	2990.157433001445	2826.8972225226485	2816.6691247702615	2816.061846742755	10.28769175323693	10.3552399848373003	
545	326	241045	-11901.14133		-100.8416768	341968.0273369014	4389450.20265832	2986.3574180298656	2824.3748508336104	2814.4781930217146	2814.4781930217146	9.98825679171406	10.22683746601206	
546	326	241046	-11241.14133		-100.8393438	342169.0124144036	4389446.03089658	2982.55740057895	2821.8794316279784	2811.90886076435	2810.6135677042057	9.9759751541525	11.265836293770667	
547	326	241047	-10581.14133		-100.8369827	342369.088978274	4389442.03693225	2978.592648945614	2819.413319849465	2811.577607859465	2807.78919821469	7.835911530400153	8.6248131658446664	
548	326	241048	-9921.14133		-100.8345650	342570.9638116049	4389437.97453302	2975.42575335955	2816.974476761526	2817.70230178754976	2808.31263367979	0	8.6660338017336	
549	326	241049	-9261.14133		-100.8320385	342771.9687318507	4389433.2833868	2975.316921846287	2815.916752675175	2823.38652385002	2808.90613398481	0	5.67900166930617	
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551	326	241051	-7941.14133		-100.8276244	343173.93851624907	4389425.88047408	2968.895283806582	2809.890583806582	2824.1430849052877	2808.958982877206	0	1.363601798614249	
552	326	241052	-7281.14133		-100.8252823	343374.9233421963	4389421.8462703	2966.324947417629	2807.64040895728	2828.705758441219	2807.64040895728	0	1.24885936897116	
553	326	241053	-6621.14133		-100.8229402	343575.90769413736	4389417.819090091	2962.496439419675	2805.3906768598	2826.717220048446	2803.306363	0	2.052704653748151	
554	326	241054	-5961.14133		-100.8205891	343776.89271	4389413.789	2958.6085070796	2803.153119	2823.04363554455	2798.0298781526	0	5.06013091053801	
555	326	241055	-5301.14133		-100.8182561	343977.8763	4389409.75484293	2958.004199231192852	2800.984781361785	2818.9063967493385	2794.1146464075915	0	6.8701349452371135	
556	326	241056	-4641.14133		-100.815914	344178.8603273657	4389405.72850544	2942.370041309231	2798.853580233995	2813.42821730459	2793.35209495325	0	5.50170363470163	
557	326	241057	-3981.14133		-100.8135719	344379.842796870221	4389401.686970219	2932.83045949777	2796.760108131824	2808.876379154338	2792.666209271924	0	4.09380515989805	
558	326	241058	-3321.14133		-100.8112298	344580.8279961808	4389397.6981937	2924.704462	2794.704462	2804.344235116009	2791.341425961291	0	3.36316149623339	
559	326	241059	-2661.14133		-100.808877	344781.8116052054	4389393.640307445	2917.610685670562	2792.688186546293	2799.87039397748	2789.77966140277	0	2.91122138865575	
560	326	241060	-2001.14133		-100.8065457	344982.7596504286	4389389.61094578	2915.200638308265	2791.71625991573	2795.20527	2787.76513118652	0	2.959116641065214	
561	326	241061	-1341.14133		-100.8042957	345189.778357174	4389385.18187	2913.028921236	2789.738381191823	2793.20461721245	2787.738381191823	0	1.520523325962971	
562	326	241062	-681.14133		-100.801615	345384.7615332167	4389381.53053045	2910.7860790316627	2786.84840771223	2786.212914840555	2781.8491567306	0	1.057533862466505	
563	326	241063	21.14132693		-100.7995194	345585.74453455193	4389375.525226726	2908.00430104602	2785.0378971114623	2782.2193880467717	2778.886017495163	0.81500682469037	6.051826515999405	
564	326	241064	638.85867303514		-100.7971773	345786.7274007340	4389373.49078543	2907.775834623402	2783.3268533788	2778.041380337358	2776.3451398710404	1.5988919572076	6.89322686230832	
565	326	241065	1298.85867303514		-100.7948353	345987.7011695855	4389369.694917413	2906.477388436185	2781.4913165172243	2773.3901673200917	2773.3901673200917	1.00149197	8.55434876873222	
566	326	241066	1958.85867303514		-100.7924392	346188.6928083665	4389365.41486073	2905.15684183397	2779.804251779808	2768.872898695252	2768.418173130774	10.93134848556185	11.386114464703618	
567	326	241067	2618.85867303514		-100.7901515	346389.6750953772	4389361.282921236	2903.186513308265	2778.187951592688	2768.7524288103684	2768.7524288103684	14.0346727788938	14.8248277788938	
568	326	241068	3278.85867303514		-100.7878493	346590.766785787	4389357.386785787	2901.44939548022	2776.09189494872	2767.5174575772	2767.5174575772	14.0955014285025	17.5830199416885	
569	326	241069	3938.85867303514		-100.785467	346791.6348040585	4389353.3977382	2900.212184846677	2775.251275073948	2762.945364343874	2762.945364343874	22.2694541003072	22.95170195625236	
570	326	241070	4598.8586730351		-100.7831249	346992.6214510157	4389349.32966886	2897.8735021	2773.89302389293	2764.853510975886	2764.853510975886	27.03467291704429	27.9078580377422	
571	326	241071	5258.8586730351		-100.7807828	347193.6037238541	4389345.306	2897.240524318271	2772.6991860524316	2762.791551416377	2761.7941842100376	30.00492101973936	30.90486324393904	
572	326	241072	5918.8586730351		-100.7784007	347394.5849	4389341.28080931	2892.506482510271	2771.62473795311	2761.473795311	2761.473795311	36.80095194655166	37.56897494655166	
573	326	241073	6578.8586730351		-100.7760988	347595.5664772043	4389337.25397804	2892.7776512	2770.25498868552	2760.579180777635	2760.579180777635	40.146518060768408	40.954799963882	
574	326	241074	7238.8586730351		-100.7738192	347796.5478912856	4389329.229921236	2890.48319833765	2769.043049170455	2759.4374575772	2759.4374575772	43.502501325962971	44.302501325962971	
575	326	241075	7898.8586730351		-100.7714415	347997.6209921584	4389320.34201715	2884.6401372761914	2769.27236856956	2761.3797280582813	2761.3797280582813	46.80229134313585	47.800229134313585	
576	326	241076	8558.8586730351		-100.7690724	348198.5101795005	4389325.17696438	2882.564992408685	2768.7049624324845	2764.520437226577	2764.520437226577	49.2554205097448	49.944191663613283	
577	326	241077	9218.8586730351		-100.7667303	348399.941026318	4389321.15176391	2880.2496947705175	2768.219880370709	2764.9967617633974	2765.3284536296	3.822518436116903	28.911712671314	
578	326	241078	9878.8586730351		-100.7643882	348600.471491475	4389317.126801564	2880.413590292986	2767.7998370758237	2769.965377320355	2769.965377320355	8.03529034	20.181437929	
579	326	241079	10538.8586730351		-100.7620462	348801.4525634625	4389313.10201491	2880.998762840629	2767.429965603693	2768.24398050975	2767.429965603693	10.852995972348	10.298339774103624	
580	326	241080	11198.8586730351		-100.7597741	348994.43306611123	4389309.07750474	2882.23887241160337	2767.008767196317	2765.20529196317	2765.20529196317	13.85470627185707	13.79969635454942	
581	326	241081	11858.8586730351		-100.7574939	349187.43306611123	4389305.07750474	2880.998762840629	2767.429965603693	2768.24398050975	2768.24398050975	15.852995972348	15.852995972348	
582	326	241082	12518.8586730351		-100.7550199	349404.3936435428	4389301.092114309	2885.725301759538	2766.517043465374	2765.20529196317	2765.20529196317	17.85470627185707	17.85470627185707	
583	326	241083	13178.8586730351		-100.7526779	349605.37700375	4389297.005254465	2882.38066770268	2766.25820543351	2750.036888169432	2750.040715632047	16.216837176407893	16.21306891133645	
584	326	241084	13838.8586730351		-100.7503358	349806.3562218955	4389294.96127819	2880.45067595218	2766.03945478717	2751.17380453769	2751.17380453769	18.3251010410263	18.3251010410263	
585	326	241085	14498.8586730351		-100.7479397	350007.333396071	4389290.58212372	2885.610484521063	2765.7632781637294	2752.4040381397036	2752.4040381397036	20.3591968052832	20.3591968052832	
586	326	241086	15158.8586730351		-100.7456516	350208.3130303936	4389284.935	2886.610029451206	2765.527998549373	2753.6984560587894	2754.496248467526	11.82954249063663	11.031172061847205	
587	326	241087	15818.8586730351		-100.7433096	350409.2929176246	4389280.913701897	2889.2376353911	2764.9967617633974	2755.20529196317	2755.20529196317	13.85470627185707	13.85470627185707	
588	326	241088	16478.8586730351		-100.7409576	350610.271909512	4389276.88836907	2888.337372065416	2764.9967617633974	2755.20529196317	2755.20529196317	15.852995972348	15.852995972348	
589	326	241089	17138.8586730351		-100.7386254	350811.2511595911	4389272.6682847	2888.52403660727	2764.823496068646	2754.496248467526	2754.496248467526	17.85470627185707	17.85470627185707	
590	326	241090	17798.8586730351		-100.7362833	351012.23021528125	4389268.44545807	2887.61489198102	2764.581443409243	2753.728489227343	2753.728489227343			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRIEVLgtsKrg.f	BRIEVBolthrg.f	LatBolt.f	SurfBolt.f
65	326	24165	67298.8586730335	1068987.310250766	39.64001949	-105.5606279	666085.2646732292	4388967.412696942	2705.113866116486	2655.846205808632	2654.477045768163	2654.8297878131802	1.389162131815724	1.016417995451775
66	326	24166	67958.8586730335	1068987.310250766	39.64001484958678	-105.5582809	666266.233401497	4388963.800	2698.989992034424	2654.437673404226	2652.905590566043	2653.3742597690276	1.5300267481996276	1.0634136444315005
667	326	24167	68618.8586730335	1068987.310250766	39.64001516802696	-105.5558438	666487.202018675	4388959.48091971	2694.700638697183	2653.241813694333	2650.4621549374506	2653.04496250498274	2.5796263942900257	2.006679006806304
668	326	24168	69287.8586730335	1068987.310250766	39.64000544121761	-105.553071	666684.704436384	4388955.799340523	2695.2530817262877	2651.6556925266033	2648.696139844653	2647.085769600066	4.995552721380045	4.606951390002717
669	326	24169	69938.8586730335	1068987.310250766	39.6400066916275	-105.5512597	666889.138703723	4388951.79481385	2698.803969100007	2650.2720248340474	2641.573347238147	2641.6884419461673	7.83067195900296	6.578582987880054
670	326	24170	70598.8586730335	1068987.310250766	39.6399955186177	-105.5489176	367090.1070373031	4388947.305711556	2687.331733930066	2648.363073411517	2635.572523904268	2635.3660759517353	13.31110407231336	13.535635359781918
671	326	24171	71258.8586730335	1068987.310250766	39.63999098931465	-105.5465755	367291.0571257673	4388943.78643821	2685.167154195264	2647.5337296231802	2629.77498551666	2629.77329237518214	17.175924134546803	18.3611692673931
672	326	24172	71918.8586730335	1068987.310250766	39.6399960152136	-105.5442335	367422.0431	4388939.72850368	2683.229009690176	2646.164518286648	2628.038276447133	2628.44578694029	17.12621839434977	17.71873136219333
673	326	24173	72578.8586730335	1068987.310250766	39.639991113	-105.5418184	367693.0110279462	4388935.784949304	2691.2926838838434	2644.792648989504	2631.3581743974506	2631.04496250498274	13.3874072002719506	13.47683690407693
674	326	24174	73238.8586730335	1068987.310250766	39.6399713019304	-105.5395494	367893.9763225354	4388931.77554497	2679.363521289853	2643.4143674125958	2633.5710915552354	2633.383931225646	9.84237653739338	10.03047429250017
675	326	24175	73898.8586730335	1068987.310250766	39.639710666228	-105.537073	368094.9463225354	4388927.732642485	2677.2399031879463	2642.0263795190534	2635.105371359538	2634.9764503874196	10.0707947917597	70490291365007
676	326	24176	74558.8586730335	1068987.310250766	39.639659788452	-105.5348652	368295.913780263	4388923.76804028	2674.9254112759654	2640.625559147958	2634.62838730862	2635.528676069243	4.982717544	5.096679854552444
677	326	24177	75218.8586730335	1068987.310250766	39.639608368068	-105.5325232	368496.881123296	4388919.767	2673.90876167811	2639.208876167811	2635.044180428432	2635.687604907957	4.167225878877725	4.35702709854127
678	326	24178	75878.8586730335	1068987.310250766	39.639556450976	-105.5301811	368697.848316629	4388915.764169264	2670.29642745000	2637.735994813713	2633.279043382374	2633.976027666491	4.536759053044175	4.675322148800179
679	326	24179	76538.8586730335	1068987.310250766	39.63950546007476	-105.5278391	368888.61539947726	4388911.71688258	2667.885924549054	2636.317620447949	2630.336894974716	2630.2886379699244	5.596705030030033	6.028984780407273
680	326	24180	77198.8586730335	1068987.310250766	39.6394519	-105.5245487	369099.762350356	4388907.7598276645	2665.384754751083	2634.830407700653	2626.36364044554	2626.360285297713	8.47303673111456	8.79114846329376
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682	326	24182	78518.8586730335	1068987.310250766	39.6393451504549	-105.5208129	369501.7159	4388899.75632084	2660.394576723234	2631.8320619378642	2615.4722329624017	2615.51937849941	16.35982895408236	16.12684086940687
683	326	24183	79178.8586730335	1068987.310250766	39.63929109504015	-105.5184708	369702.6842720621	4388885.754937728	2659.204819613695	2629.3513591672886	2629.163402746877	2629.031795127601	17.18796539602498	21.3196764552796
684	326	24184	79838.8586730335	1068987.310250766	39.6392365880411	-105.5161288	369903.682825395	4388875.7533746	2658.746878507187	2629.066708429563	2620.611101676476	2625.695155514116	25.3956916466894	25.63294125511465
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686	326	24186	81158.8586730335	1068987.310250766	39.6391762157374	-105.5114447	370305.584483939	4388883.75218482	2659.624273298	2627.240878732675	2620.320951705444	2620.011597353996	25.91973553200648	25.83971380174733
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688	326	24188	82478.8586730335	1068987.310250766	39.6390140335944	-105.5067605	370707.5135139483	4388875.75142216	2652.964893818978	2625.945105706463	2620.24627565993	2620.078195267944	23.6958704553747	22.86391313853484
689	326	24189	83138.8586730335	1068987.310250766	39.638952638332	-105.5044185	370908.4793812035	4388875.75139193	2648.749034923262	2625.232107	2610.6112218828003	2620.89050754966	23.4988625652347	22.2414586256409
690	326	24190	83798.8586730335	1068987.310250766	39.63890004161245	-105.5020764	371109.4055023135	4388867.75158781	2643.98014086296	2624.488458524494	2620.524731932023	2620.617353512546	23.9421135620408	22.5774920651947
691	326	24191	84458.8586730335	1068987.310250766	39.6388423669323	-105.4997344	371310.4105623701	4388863.751984025	2641.670249158826	2623.880327963374	2598.854785175171	2629.504408166157	24.72550448166157	23.38974051283492
692	326	24192	85118.8586730335	1068987.310250766	39.6387842399767	-105.4973283	371511.371244275	4388869.75298448	2641.5230217665703	2622.616407303256	2598.6414098148375	2597.937966097572	25.9749771758805	25.6879402303575
693	326	24193	85838.8586730335	1068987.310250766	39.6387256619408	-105.4956633	371719.1095	4388875.7542981	2644.37561417245	2621.538949829176	2571.017021467229	2571.405764452896	25.9749771758805	26.7879474432024
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696	326	24196	87758.8586730335	1068987.310250766	39.63854720664424	-105.4880241	372315.2367731483	4388847.75378674	2642.561268332018	2618.927969723101	2587.960387291301	2583.055876	34.7028661790079	34.5963101949018
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700	326	24200	90398.8586730335	1068987.310250766	39.6383024135908	-105.478659	37319.1095	4388827.7574548	2645.77801982917	2610.627467229	2571.017021467229	2571.405764452896	34.4588285325791	34.4051015981367
701	326	24201	91058.8586730335	1068987.310250766	39.63824073488775	-105.4763139	373320.05948538246	4388827.7574548	2645.77801982917	2610.627467229	2571.017021467229	2571.405764452896	34.4588285325791	34.4051015981367
702	326	24202	91718.8586730335	1068987.310250766	39.638178031616	-105.4739718	373521.0240967314	4388819.71269164	2643.023613684092	2606.31843	2572.9407191229284	2573.107004245581	37.3771066051805	33.1484053457025
703	326	24203	92378.8586730335	1068987.310250766	39.638114877973	-105.4716296	373721.988227529	4388817.76129612	2629.9952812613154	2603.962758368487	2570.0875175215752	2570.288327283202	33.87518686811674	33.345831060118494
704	326	24204	93038.8586730335	1068987.310250766	39.63805142233506	-105.4692877	373922.552379776	4388811.77269164	2627.2284031129693	2601.48300754904	2569.670176890023	2568.843198244493	34.14220900561174	34.63890510104194
705	326	24205	93698.8586730335	1068987.310250766	39.6379874132351	-105.4669457	374123.9161	4388807.781235434	2626.45729396487	2598.893753371567	2568.593508203985	2567.92289829975	36.29046713317166	36.1945709478919
706	326	24206	94358.8586730335	1068987.310250766	39.6379229617776	-105.4646036	374324.789869589	4388803.785	2627.168148410505	2596.17450498524	2567.81250140521	2567.81250140521	38.163035349313	38.3333510944489
707	326	24207	94938.8586730335	1068987.310250766	39.6378629145908	-105.462307	374525.790000011	4388803.785	2627.168148410505	2596.17450498524	2567.81250140521	2567.81250140521	38.163035349313	38.3333510944489
708	326	24208	95678.8586730335	1068987.310250766	39.63779761718996	-105.4599195	374726.80748042235							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevBohr.f	SeaTchBoth.f
51	327 241291	-337941.1413	107557.3170250766	36.36313648823522	-101.9986283	242662.4788558378	3437.581487049357	3437.9278288077006	3437.763036648727	34.20902250582786	43.9666511388071
52	327 2429	-337281.1413	107557.3170250766	36.3615963195234	-101.9962666	242683.5647944283	3640.0118074874416	3492.645699232447	3434.829239590572	35.10466216384416	41.6019776830345
53	327 24293	-336621.1413	107557.3170250766	36.3631270513066	-101.9989448	242664.6504786475	3481.34581772744623	3432.47740976171622	3430.953622662234	36.85813632108419885	40.31625108419885
54	327 24294	-335961.1413	107557.3170250766	36.362058737372	-101.9916031	242655.73590030768	3619.656810577395	3430.732406263739	3450.75205108681	39.333012624767515	39.333012624767515
55	327 24295	-335301.1413	107557.3170250766	36.3622879184511	-101.9892613	243466.82107612558	3616.816880937633	3488.802684162272	3429.484092961952	34.202215491119	43.58025920161806
56	327 24296	-334641.1413	107557.3170250766	36.362517546536	-101.9869195	243667.90599540407	3617.56263215476514	3487.56263215476514	3428.613113147863	34.43253041741363	44.30926140265609
57	327 24297	-333981.1413	107557.3170250766	36.3627467232102	-101.9845778	243888.99066105208	3616.644710833306	3599.7330573651	3486.3435709258	34.280337260620494	44.580129260620494
58	327 24298	-333321.1413	107557.3170250766	36.36297545456903	-101.982226	244070.070732725	3619.192515067009	3485.1204106414075	3471.274542427197	34.39420474987516	47.3216211689154
59	327 24299	-332621.1413	107557.3170250766	36.3631270513066	-101.9798842	244271.159228277111	3589.575008069234	3483.9615013541518	3427.342448220171	34.7378948718458883	46.06673851026346
60	327 24300	-332001.1413	107557.3170250766	36.3633431533506	-101.9775525	244472.2437258206	3616.7317451176	3573.881452349456	3482.758831858593	34.2650268471607	46.2931381147798
61	327 24301	-331341.1413	107557.3170250766	36.3635589016295	-101.9752107	244673.32679143854	3605.187650779002	3481.64026697491	3426.4633065896706	34.3351464671603	46.49732025884084
62	327 24302	-330681.1413	107557.3170250766	36.3638891553994	-101.9728689	244874.01419201456	3556.4942761216244	3480.504728	3426.0587906339056	34.3346832443196	45.454937606544566
63	327 24303	-330021.1413	107557.3170250766	36.3641127708244	-101.9705272	245075.49330419757	3612.9121322	3553.3311668021846	3479.3772288351647	34.324184349050374	45.66238437654149
64	327 24304	-329361.1413	107557.3170250766	36.3643383	-101.9681854	245276.5762361925	3616.1719465149	3558.69520660424	3478.2607165301774	34.250197346213945	45.2407376213945
65	327 24305	-328701.1413	107557.3170250766	36.364563430601	-101.9658436	245477.65888020504	3616.91367616261	3554.692523359297	3471.154828265119	34.23436922335587	46.62872038738454
66	327 24306	-328041.1413	107557.3170250766	36.3647889474943	-101.963018	245678.74127244141	3616.088.89599658	3560.4322981195	3476.056704198405	34.23241622941001	46.8130117079839
67	327 24307	-327381.1413	107557.3170250766	36.3650135996586	-101.9611601	245878.8234110833	3616.00475	3564.294552	3474.966715466973	34.22801816333546	46.9463404876664
68	327 24308	-326721.1413	107557.3170250766	36.3652378	-101.9588183	246098.0030421208	3616.00163446493	3569.6468929236	3473.883219	34.2263818949701157	47.051329982559764
69	327 24309	-326061.1413	107557.3170250766	36.3654615465743	-101.9564765	246281.98680455813	3575.00513358252	3472.80518665874	3425.688301949768	34.154861625725314	47.1168409710569
70	327 24310	-325401.1413	107557.3170250766	36.3656848415205	-101.9541347	246483.08623775605	3591.592.33138085	3580.3802464717285	3420.500001	34.2424.2004159812564	47.51272206861701
71	327 24311	-324741.1413	107557.3170250766	36.3659077	-101.9517929	246684.1496420814	3591.588.19134914	3586.9061787396487	3460.66201970301	34.181932468261346	48.02818052949955
72	327 24312	-324081.1413	107557.3170250766	36.3661307042107	-101.9494512	246885.2350011231	3594.804372833436	3469.592215104043	3418.719240584123	34.17010764341387	48.067461689069
73	327 24313	-323421.1413	107557.3170250766	36.3663591943031	-101.947169	247096.396919434	3591.588.19106996	3584.1237541457673	3468.675189451717	34.1815237631366505	49.1152373366505
74	327 24314	-322761.1413	107557.3170250766	36.36657349717504	-101.9447676	247287.39147111797	3615.9751771	3610.4025943707127	3467.458749894695	34.163.33613474733	51.1596841996191
75	327 24315	-322101.1413	107557.3170250766	36.36679453080156	-101.9424258	247488.4716066575	3615.9751771	3613.80924711324	3466.392114902298	34.1815298741341	51.11266116065175
76	327 24316	-321441.1413	107557.3170250766	36.3670151	-101.940084	247689.55142948362	3615.967.49242109	3612.598266728221	3465.262316777164	34.18108191711583	51.03655484231147
77	327 24317	-320781.1413	107557.3170250766	36.367232388521	-101.9377422	247890.63112890365	3615.967.3325506	3611.387287853154	3464.264565550884	34.1810814981702645	51.11266116065175
78	327 24318	-320121.1413	107557.3170250766	36.36745491581536	-101.9350440	248091.71051582313	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
79	327 24319	-319461.1413	107557.3170250766	36.36767196311484031	-101.9326656	248292.798677496	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
80	327 24320	-318801.1413	107557.3170250766	36.36789190165104	-101.9307168	248483.96854278037	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
81	327 24321	-318141.1413	107557.3170250766	36.36811122945076	-101.928375	248694.3471831469	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
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83	327 24323	-316821.1413	107557.3170250766	36.3685465099918	-101.9236914	249097.1037186451	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
84	327 24324	-316161.1413	107557.3170250766	36.3687734716963	-101.9213496	249298.18161419878	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
85	327 24325	-315501.1413	107557.3170250766	36.3689798910232	-101.9190708	249499.2596219497	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
86	327 24326	-314841.1413	107557.3170250766	36.369196377177	-101.916169	249700.336619434	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
87	327 24327	-314181.1413	107557.3170250766	36.3694116424515	-101.9134242	249911.4138145748	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
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95	327 24335	-308901.1413	107557.3170250766	36.37112019341515	-101.8955897	251510.0221521864	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
96	327 24336	-308241.1413	107557.3170250766	36.371371765577	-101.8932479	251711.097087082	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
97	327 24337	-307581.1413	107557.3170250766	36.371542807131	-101.8910931	251912.17177660592	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
98	327 24338	-306921.1413	107557.3170250766	36.371753346938	-101.8889643	252113.2462009131	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
99	327 24339	-306261.1413	107557.3170250766	36.37196381158655	-101.8869224	252312.340202917	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
100	327 24340	-305601.1413	107557.3170250766	36.372173332534	-101.883890	252515.340745474	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
101	327 24341	-304941.1413	107557.3170250766	36.372383065197	-101.881388	252716.4681	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
102	327 24342	-304281.1413	107557.3170250766	36.3725914	-101.879197	252917.5415072154	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
103	327 24343	-303621.1413	107557.3170250766	36.372799181315	-101.876551	253118.6175507121	3615.967.49242109	3610.176290842049	3463.194013121627	34.18108191711583	51.03655484231147
104	327 24344	-302961.1413									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREVElevKrg.ft	WetBothKrg.ft	SatHtKrg.ft	SatBoth.ft	
177	327	241417	-254781.1413	107557.3170250766	36.386963132828	-101.703564	267997.37037378934	3511150.60103524	3558.817877975603	3236.229769111156	3256.466637	3258.367619224925	111.76313250655585	108.982491479623093
178	327	24418	-254121.1413	107557.3170250766	36.3871375497555	-101.701244	268198.42587252066	3511146.485072714	3547.238492	3267.2069140974772	3255.135083760804	3255.96190676309	111.72710339139662	111.225223329136833
179	327	24419	-253961.1413	107557.3170250766	36.3876719338149	-101.698823	268399.4814278476	3511142.368934941	3550.2578891483	3359.921426611163	3243.3232158178456	3242.0851461138854	112.599433938992	111.1618933108992
180	327	24420	-252801.1413	107557.3170250766	36.3878454654005	-101.695106	268600.53164878705	3511138.32033059	3546.76082617533	3365.1456791533997	3252.3269579168996	3251.812771633769	112.8187213035901	113.582474496107
181	327	24421	-252141.1413	107557.3170250766	36.3878554469156	-101.694187	268801.590998734	3511134.13856198	3543.4942715600846	3364.10813254936	3250.506135902838	3249.265566339023	113.6019786470979	114.814256261013355
182	327	24422	-251481.1413	107557.3170250766	36.38783171150886	-101.691847	269002.6545848329	3511130.024	3540.11246052037	3363.05355386207	3248.72169012198	3245.8336443578078	114.2317111808129	117.2371711808129
183	327	24423	-250821.1413	107557.3170250766	36.388003349112	-101.689508	269203.6994328905	3511125.9088387	3538.3218607868	3360.0182665294462	3246.823952184323	3244.2006350544888	115.1943143452322	117.363595848588
184	327	24424	-250261.1413	107557.3170250766	36.388175067898	-101.687129	269404.7540743074	3511121.794	3529.1220166881467	3360.969073711645	3245.0600891483464	3243.604693	115.90900461280808	117.3643050325432
185	327	24425	-249691.1413	107557.3170250766	36.3883463074707	-101.684821	269605.5387950569	3511117.9735696	3528.923346476395	3359.921426611163	3243.3232158178456	3242.0851461138854	116.58926209831764	117.6367765943784
186	327	24426	-248841.1413	107557.3170250766	36.3885171546271	-101.682479	269806.8616540081	3511113.56501316	3516.722523702133	3358.81131957483	3241.7591365373287	3239.02550218786	117.1219934010548	118.7357614669732
187	327	24427	-248181.1413	107557.3170250766	36.3886875193673	-101.6801371	270070.9114058026	3511109.45169617	3513.1116873659	3357.85483523017	3240.106741700435	3237.4022021393423	117.7482418225818	119.4081913836746
188	327	24428	-247521.1413	107557.3170250766	36.3888573416915	-101.6777952	270208.9683821403	3511105.38019612	3512.084861972357	3356.850174973956	3238.470343	3235.572298960046	118.3804210453574	121.2535273079503
189	327	24429	-246861.1413	107557.3170250766	36.389028991585	-101.6754532	270410.123250591	3511101.224571637	3511.06558923013	3355.872704428213	3236.796415401706	3234.705383980196	119.076280565731	121.167190319013345
190	327	24430	-246201.1413	107557.3170250766	36.389195998089	-101.6731113	270611.0749079625	3511097.11352242	3510.042710443839	3354.925788637144	3235.207161383531	3233.191781545181284	119.71817545181284	121.651086260801
191	327	24431	-245541.1413	107557.3170250766	36.3893645461617	-101.670794	270812.1264053428	3511092.9863414	3508.349981643398	3354.011071542757	3233.546579317967	3231.555861682734	120.46453619381029	122.455205989423682
192	327	24432	-244881.1413	107557.3170250766	36.3895325568171	-101.668424	271013.178994935	3511088.898	3505.987499	3353.1226903432617	3231.821279105474	3229.88135178836	121.3014118377878	122.34133914542553
193	327	24433	-244221.1413	107557.3170250766	36.3897007075452	-101.666085	271214.23105813	3511084.73065438	3503.6248348169647	3352.2562044077	3230.10208495285	3228.347238383637	121.5051942124905	122.6606807058813
194	327	24434	-243561.1413	107557.3170250766	36.38989674048731	-101.6637346	271415.28202045	3511080.6607272	3501.26226	3351.392017295151	3228.300147138484	3226.699878455343	123.08900255670303	124.69213884160808
195	327	24435	-242901.1413	107557.3170250766	36.3900341502736	-101.6614016	271616.334636696	3511076.54868347	3499.9453365472	3349.963378936116	3226.44678696516	3225.365978168457	124.0891952409542	125.16789572476591
196	327	24436	-242241.1413	107557.3170250766	36.390204432546	-101.6590597	271817.385981538	3511072.6383549	3499.673595895414	3349.6720469905717	3224.61608605882	3223.911410364067	125.05960932857	125.7610326298036
197	327	24437	-241581.1413	107557.3170250766	36.39036628381675	-101.6567177	272018.4371746329	3511068.35251979	3499.402027136105	3348.79103452492	3222.85196182605	3222.84374	125.94608477039719	126.31539993249226
198	327	24438	-240921.1413	107557.3170250766	36.3905316719594	-101.6543758	272219.4884119566	3511064.21362465	3498.130802376196	3347.912341285707	3221.727251	3221.2846496713933	126.6284663565907	126.6284663565907
199	327	24439	-240261.1413	107557.3170250766	36.3906987078817	-101.6520822	272420.5382988274	3511060.123089277	3497.052725843656	3347.052725843656	3220.6294919638267	3220.6294919638267	119.650915700815	119.650915700815
200	327	24440	-239601.1413	107557.3170250766	36.3908611	-101.6496919	272621.5890474563	3511055.91782334	3506.32413434833	3346.092194204006	3218.6603291752212	3219.352407103364	122.4359024878338	126.874394106407
201	327	24441	-238941.1413	107557.3170250766	36.3910251218659	-101.64735	272822.6397063296	3511051.80127283	3505.121047803296	3345.163874411124	3217.570258242203	3218.284555790916	122.5878485888205	126.873981201965
202	327	24442	-238281.1413	107557.3170250766	36.3911887040804	-101.645008	273023.6898759896	3511047.770534675	3505.09664735757	3344.214912	3216.535763501102	3217.26738486539	122.6791487444799	127.00617379901087
203	327	24443	-237621.1413	107557.3170250766	36.3913518264475	-101.6426661	273224.7397488963	3511043.36620508	3504.813623078584	3343.291739134475	3215.6122835451756	3216.087846775385	122.638903682719	126.4678681480251
204	327	24444	-236961.1413	107557.3170250766	36.3915146005004	-101.6403241	273425.7893504767	3511039.550274972	3504.131414957377	3342.2668682580886	3214.92519928235	3216.0745014009854	122.73414899755383	126.19214885710326
205	327	24445	-236301.1413	107557.3170250766	36.39167872126156	-101.6379822	273628.6398269584	3511035.452725843656	3503.154253848528	3341.1529153814528	3214.1529153814528	3214.1529153814528	122.7957451247046	126.856785451136
206	327	24446	-235641.1413	107557.3170250766	36.3918428533887	-101.6356402	273829.8792535887	3511031.331	3502.456495745515	3340.2554428795	3213.456874411751	3214.68491704154	122.73576170454	126.73576170454
207	327	24447	-234981.1413	107557.3170250766	36.391999063872	-101.6332983	274028.3689842933	3511027.21585373	3503.41293308737	3339.22233598327	3212.32644656504	3213.591663013405	122.8599130372269	125.63077978464
208	327	24448	-234321.1413	107557.3170250766	36.39216067031604	-101.6309653	274229.9856238173	3511023.1147905	3502.37107308656	3338.177872	3212.1764052468847	3212.379102038086	126.9014673625533	125.796727483144
209	327	24449	-233661.1413	107557.3170250766	36.3923231081827	-101.628614	274431.3041359379	3511019.03901188	3498.141093090158	3337.119648977957	3210.296025588425	3211.271253526455	126.82362459211436	125.84396363171329
210	327	24450	-233001.1413	107557.3170250766	36.39248410490406	-101.626274	274632.082458798	3511015.894917375	3495.505179039352	3336.407102250014	3208.8825647428716	3210.792629577443	126.792629577443	125.25517145825
211	327	24451	-232341.1413	107557.3170250766	36.39264045475627	-101.6239308	274833.13049414946	3511010.78633074	3493.2718610558966	3334.361003337662	3210.7816910508585	3211.514667167216	124.7193838290779	126.6334858665016
212	327	24452	-231681.1413	107557.3170250766	36.39280613611864	-101.6215814	275034.1784050785	3511007.63230827	3491.452725843656	3332.172315420367	3210.39730670387	3211.066015020241	124.650915700815	119.650915700815
213	327	24453	-231021.1413	107557.3170250766	36.39296820307698	-101.6192485	275235.229957607	3511002.570373862	3489.64055457177	3332.7429020215454	3210.4208991902835	3216.4649681674	118.501891232126196	118.29640373393165
214	327	24454	-230361.1413	107557.3170250766	36.393116529937	-101.6169046	275436.2733693053	3510998.46238037	3487.82018237773	3331.61303992795	3214.367763567697	3217.259684124592	117.245304359998	118.32339681777
215	327	24455	-229701.1413	107557.3170250766	36.39327042499545	-101.6145626	275637.3205525933	3510994.35130957	3486.1599060317723	3330.4706528396846	3213.821467409055	3216.9858103363	126.9461854301793	112.8850747362171
216	327	24456	-229041.1413	107557.3170250766	36.3934312944904	-101.6122207	275838.3675141757	3510990.247851142	3485.043058	3329.36155800055	3212.7722216893585	3217.7927275871602	116.5442942063073	115.523783824529
217	327	24457	-228381.1413	107557.3170250766	36.3935880866002	-101.6098787	276039.4142554584	3510986.14000851	3483.148710845393	3328.1530775196603	3211.816639997303	3211.816639997303	117.3364375265743	126.7363615689769
218	327	24458	-227721.1413	107557.3170250766	36.3937444263847	-101.6075367	276240.4677631507	3510982.304	3481.04631312	3326.981107990595	3209.92910898387	3217.90508184497	119.051990721968	119.051990721968
219	327	24459	-227061.1413	107557.3170250766	36.39390057859472	-101.605198	276441.5078679955	3510978.78453564	3479.148710845393	3325.981107990595	3209.92910898387	3217.90508184497	126.7363615689769	126.7363615689769
220	327	24460	-226401.1413	107557.3170250766	36.3940557452647	-101.602828	276642.5531755176	3510974.821018948	3477.043637317892	3324.604331627416	3214.3578705466714	3217.197427504454	126.0190250063638	126.0190250063638
221	327	24461	-225741.1413	107										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEvLogskg.ft	BRIEvBothkg.ft	SatHtLogskg.ft	SatHtBoth.ft
302	327	24543	-171621.1413	707557.3170250766	39.4053796531353	-101.4084665	293328.6314411246	4390363.787933479	3383.8568959856206	3200.759776152206	3087.00374208744	3082.1656363564985	113.7560289343623	118.59413958870755
304	327	24544	-170961.1413	707557.3170250766	39.4054970831615	-101.4061245	293329.659764803	4390362.70716239	3381.253871358639	3196.35105887239454	3085.966343265108	3081.897565053151	113.3647120478372	117.45339365763048
305	327	24545	-170301.1413	707557.3170250766	39.40553405276765	-101.4037824	293330.7869034153	4390361.966518352	3384.61844118638	3197.8375186291074	3086.089329447307	3081.7481761291534	112.8427439190308	116.18334599959397
306	327	24546	-169641.1413	707557.3170250766	39.4057305858766	-101.4014048	293331.7158391495	4390362.1526809089	3376.02981669695176	3196.5136832058576	3084.135637605815	3082.013726704956	112.3530455110606	114.05495649496191
307	327	24547	-168981.1413	707557.3170250766	39.4058646585468	-101.3990983	294132.74356840685	4390361.7445215182	3373.074132	3193.690700035185	3083.0369497388485	3081.797050988675	112.05375028130038	113.29364045605993
308	327	24548	-168321.1413	707557.3170250766	39.4059622787766	-101.3967563	294333.771095239	4390361.4054151042	3369.67758966119	3193.651149	3081.496210092655	3080.6060278350897	112.15409313884438	113.05305213364402
309	327	24549	-167661.1413	707557.3170250766	39.4060774465567	-101.3944143	294534.7849419731	4390360.288	3366.31446284048	3192.199371334095	3080.573388594508	3079.988427986206	111.6289823199014	112.2004253578889
310	327	24550	-167001.1413	707557.3170250766	39.4061921618867	-101.3920272	294735.825543543606	4390360.1822317725	3362.9493036269575	3190.73379985238	3079.359555	3079.3454902304758	111.7340245411177	112.41265959047791
311	327	24551	-166341.1413	707557.3170250766	39.4063062467665	-101.3897302	294936.85246588464	4390361.0966518352	3360.09666252507976	3189.25467779471	3077.92788756291	3078.536403260446	111.32736803919036	116.18334599959397
312	327	24552	-165681.1413	707557.3170250766	39.40642023519625	-101.387881	295137.87879	4390359.0112227978	3357.5552257808	3187.7820072139816	3077.5097497230913	3077.4053351468317	110.2513745089032	110.35657206714995
313	327	24553	-165021.1413	707557.3170250766	39.4065335931748	-101.3850461	295338.3057101267	4390359.92	3355.414482	3186.259123576469	3076.516894510226	3076.272943856	110.24761241554468	108.43632927811404
314	327	24554	-164361.1413	707557.3170250766	39.4066464987032	-101.382704	295539.320268853	4390358.841172477	3353.073281284532	3184.744092912974	3075.461766617662	3075.7042953741	109.2823262952902	106.1573392382406
315	327	24555	-163701.1413	707557.3170250766	39.4067589517802	-101.380362	295740.9581	43903584.756417002	3351.2805001871156	3074.3185947211156	3074.235012597286	3074.066449004848	108.9838212382396	107.76211571623095
316	327	24556	-163041.1413	707557.3170250766	39.40687095240594	-101.3780199	295941.940651783	43903580.672	3350.035381035355	3181.683431280307	3072.793445	3073.5863414129203	108.889962416693	106.0970896374899
317	327	24557	-162381.1413	707557.3170250766	39.40698625005816	-101.3756779	296143.0097841916	4390357.658	3348.791133036567	3180.7337913136263	3071.1879761901464	3071.3454902761798	108.8946112347969	106.29349703748858
318	327	24558	-161721.1413	707557.3170250766	39.40709359302026	-101.3733358	296344.033033891	4390357.250354848	3347.546512681178	3178.587290904646	3069.471642877014	3069.7441252056656	108.816570279907	106.4516570279907
319	327	24559	-161061.1413	707557.3170250766	39.4072042395737	-101.3709838	296545.060229793	4390356.418962146	3344.9923877784768	3177.027362336967	3067.10829312402	3067.402973326665	109.91908461125788	106.4516570279907
320	327	24560	-160401.1413	707557.3170250766	39.4073143439323	-101.3686517	296746.0857431664	4390356.392392372	3341.12880505291532	3175.46053291653	3064.141266514685	3063.84359332663	111.31164760418441	111.6171043194092
321	327	24561	-159741.1413	707557.3170250766	39.40742416875845	-101.3663097	296947.110664156	4390356.252950159	3337.26625135918497	3173.8880429952287	3060.377979755164	3061.5100632381255	113.86318156726857	113.86318156726857
322	327	24562	-159081.1413	707557.3170250766	39.40745335	-101.3639676	297148.13538615697	4390356.196983501	3335.40162498536	3172.3107389172364	3057.1249434802853	3056.681849693594	115.18579343695114	115.62884404777601
323	327	24563	-158421.1413	707557.3170250766	39.40746273	-101.3616256	297349.159909373	4390352.087	3329.029058791335	3170.7292059781953	3056.8035708592639	3056.621581844448	113.9256991739245	114.11668716471559
324	327	24564	-157761.1413	707557.3170250766	39.40750691411	-101.3592635	297550.1842400976	4390352.04288919	3324.1475901233927	3169.144584160325	3056.58161823947	3056.65264485013	112.9236603368547	112.9236603368547
325	327	24565	-157101.1413	707557.3170250766	39.4075496207681	-101.3569115	297753.50414325016	4390352.03039861	3324.0192471082	3167.1280470403387	3056.62283079437	3056.62283079437	111.9445315765222	111.9445315765222
326	327	24566	-156441.1413	707557.3170250766	39.4077660737975	-101.3545994	297952.32285378	4390353.786525294	3314.384762448291	3165.96372448291	3053.907643005274	3054.26323	112.0608016776537	111.7054545277069
327	327	24567	-155781.1413	707557.3170250766	39.4080073097453	-101.3525254	298153.2560185167	4390353.937952254	3308.1125894182054	3164.379673311221	3051.645720265261	3052.0373330834847	112.9236603368547	112.9236603368547
328	327	24568	-155121.1413	707557.3170250766	39.408179668336	-101.3499153	298354.279550091	4390353.75925757	3303.450143470962	3162.792792595304	3049.036708350547	3049.694538309524	113.7560117602493	113.289214285776
329	327	24569	-154461.1413	707557.3170250766	39.40828578973794	-101.3475733	298555.30288574065	4390352.759403756	3297.78690455497	3161.2092787285055	3046.29502278799	3046.4940350892664	114.9142558050368	114.9142558050368
330	327	24570	-153801.1413	707557.3170250766	39.40839145336653	-101.3452312	298756.32602323603	4390352.51103948	3329.1252364747984	3160.0301568323906	3043.716903305974	3043.8885952317928	116.05849750269317	115.74156151147982
331	327	24571	-153141.1413	707557.3170250766	39.4084962562704	-101.3428858	298967.349632527	4390352.490381195	3320.6510719895856	3159.2581309894054	3042.1533999447	3042.1533999447	117.03269789675743	116.7949778765743
332	327	24572	-152481.1413	707557.3170250766	39.4086914282564	-101.3405471	299137.71800632	4390351.51200545	3323.361967403253	3158.405912757038	3038.9294124477	3038.9294124477	117.11826034629878	117.11826034629878
333	327	24573	-151821.1413	707557.3170250766	39.40880757378473	-101.338205	299359.3943360363	4390351.27028589	3324.975195287624	3157.04100888171106	3037.91296534741	3038.617899279248	116.9970374136943	116.9970374136943
334	327	24574	-151161.1413	707557.3170250766	39.40880969431406	-101.335863	299560.416703843	4390350.192003384	3228.793446436206	3153.320124736767	3037.54173976928	3037.54173976928	114.9142558050368	114.9142558050368
335	327	24575	-150501.1413	707557.3170250766	39.408912988329	-101.3335209	299761.438857729	4390350.11004672	3216.470315398413	3151.777926405364	3033.342501471072	3033.342501471072	114.9142558050368	114.9142558050368
336	327	24576	-149841.1413	707557.3170250766	39.4090159488186	-101.3311788	299962.4608154998	4390349.03117028	3210.1106689488	3150.2192749409587	3031.1438495858093	3030.4262419312433	113.9256991739245	113.9256991739245
337	327	24577	-149181.1413	707557.3170250766	39.409184888993	-101.3288368	300163.4825773728	4390349.50447429	3210.74977225305	3148.666433539887	3030.0370377	3030.0370377	116.05849750269317	116.05849750269317
338	327	24578	-148521.1413	707557.3170250766	39.40925405926704	-101.326487	300345.50414325016	4390349.03039861	3210.6510719895856	3147.1280470403387	3056.62283079437	3056.62283079437	117.03269789675743	116.7949778765743
339	327	24579	-147861.1413	707557.3170250766	39.40938928981596	-101.3241527	300565.5255142441	4390349.761924411	3185.127582157574	3145.88459383795	3036.145178070194	3036.145178070194	117.03269789675743	116.7949778765743
340	327	24580	-147201.1413	707557.3170250766	39.4094232315482	-101.3218106	300766.546895517	4390348.716273897	3173.957801140522	3144.052694076305	3035.4495421856095	3038.86102552238	105.735118909567	105.735118909567
341	327	24581	-146541.1413	707557.3170250766	39.409532808244	-101.3194685	300967.5676699906	4390348.613973791	3171.967161542456	3142.0527925421423	3034.504050307081	3037.328951964081	108.0238571140611	105.19897345077519
342	327	24582	-145881.1413	707557.3170250766	39.4096241576439	-101.3171265	301168.588454568	4390347.555	3151.624529004103	3141.0088197520266	3033.2884436057134	3033.2884436057134	107.72073611931319	105.21632842707649
343	327	24583	-145221.1413	707557.3170250766	39.4097239420066	-101.3147844	301369.6890462599	4390349.03117028	3210.1106689488	3150.2192749409587	3031.1438495858093	3030.4262419312433	113.9256991739245	113.9256991739245
344	327	24584	-144561.1413	707557.3170250766	39.409832739123	-101.3124423	301570.62944206	4390349.50447429	3210.74977225305	3148.666433539887	3030.0370377	3030.0370377	116.05849750269317	116.05849750269317
345	327	24585	-143901.1413	707557.3170250766	39.409925405926704	-101.3101788	301766.546895517	4390349.03039861	3210.6510719895856	3147.1280470403387	3056.62283079437	3056.62283079437	117.03269789675743	116.7949778765743
346	327	24586	-143241.1413	707557.3170250766	39.4100205803147	-101.3077582	301972.665675037	4390349.2337205	3185.127582157574	3145.88459383795	3036.145178070194	3036.145178070194	1	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
327	241669	-8461.14133		107.75573170250766	39.64166127372902	-101.1133646	118656.67442866816	4390120.589893524	3215.3046105123954	306.688624657116	2931.7385214227243	2929.4771050566897	104.93013104298734	107.1915470902195
430	327	241670	-8780.14133		107.75573170250766	39.64166371572698	-101.110223	118857.678821464	4390136.11037276	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
431	327	241671	-8741.14133		107.75573170250766	39.64167231247789	-101.1086427	118658.6831962605	4390112.473	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
432	327	241672	-8641.14133		107.75573170250766	39.64167903891736	-101.103383	119259.68720350784	4390144.14604778	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
433	327	241673	-8582.14133		107.75573170250766	39.64168517023853	-101.1039862	119460.6914526856	4390104.356686152	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
434	327	241674	-8516.14133		107.75573170250766	39.64169013214827	-101.1016541	119661.694841113	4390100.290918892	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
435	327	241675	-8450.14133		107.75573170250766	39.641696847010884	-101.0993119	119862.6984472341	4390096.241656905	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
436	327	241676	-8384.14133		107.75573170250766	39.6417017626434	-101.096968	120063.701346896	4390092.18433969	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
437	327	241677	-8316.14133		107.75573170250766	39.64170634278484	-101.094627	120264.705891979	4390088.12733808	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
438	327	241678	-8252.14133		107.75573170250766	39.64171402261674	-101.092258	120465.708048433	4390084.70566983	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
439	327	241679	-8185.14133		107.75573170250766	39.6417175308987	-101.089943	120666.708476144	4390080.014020517	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
440	327	241680	-8120.14133		107.75573170250766	39.64172524711737	-101.0876104	120867.713634448	4390075.57700227	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
441	327	241681	-8054.14133		107.75573170250766	39.6417307397244	-101.085259	121068.7164716386	4390071.90160881	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
442	327	241682	-7988.14133		107.75573170250766	39.6417362042996	-101.0829171	121269.718466528	4390067.84570113	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
443	327	241683	-7922.14133		107.75573170250766	39.641741	-101.080575	121470.7206514213	4390063.70099916	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
444	327	241684	-7856.14133		107.75573170250766	39.64174715733865	-101.0782329	121671.722642427	4390059.735	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
445	327	241685	-7790.14133		107.75573170250766	39.64175261604504	-101.075808	121872.724458727	4390055.67949198	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
446	327	241686	-7721.14133		107.75573170250766	39.6417578340897	-101.0735487	122073.7261036027	4390051.62433655	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
447	327	241687	-7658.14133		107.75573170250766	39.6417631068873	-101.0712066	122274.727345345	4390047.569804525	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
448	327	241688	-7592.14133		107.75573170250766	39.64176834343525	-101.068864	122475.7288719786	4390043.165291778	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
449	327	241689	-7526.14133		107.75573170250766	39.641773167375	-101.0665223	122676.729996785	4390039.3614016224	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
450	327	241690	-7460.14133		107.75573170250766	39.6417785379255	-101.0641802	122877.733048569	4390035.406661775	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
451	327	241691	-7394.14133		107.75573170250766	39.64178342641	-101.06138	123078.73871467	4390031.337287343	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
452	327	241692	-7328.14133		107.75573170250766	39.64178879216087	-101.059496	123279.732332619	4390027.299532386	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
453	327	241693	-7262.14133		107.75573170250766	39.6417937347115	-101.0571539	123480.7327718435	4390023.26154724	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
454	327	241694	-7196.14133		107.75573170250766	39.6417987495405	-101.0548117	123681.7330650284	4390019.194008932	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
455	327	241695	-7130.14133		107.75573170250766	39.6418036953871	-101.052496	123882.7312717671	4390015.10086922	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
456	327	241696	-7064.14133		107.75573170250766	39.64180852594002	-101.0501723	124083.733485456	4390011.08739167	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
457	327	241697	-6998.14133		107.75573170250766	39.641813462541	-101.047838	124284.7327881467	4390007.036812767	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
458	327	241698	-6932.14133		107.75573170250766	39.6418181213308	-101.045433	124485.732879698	4390003.98376908	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
459	327	241699	-6866.14133		107.75573170250766	39.64182285116256	-101.0431011	124686.731884542	4389999.931	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
460	327	241700	-6800.14133		107.75573170250766	39.6418275374462	-101.040759	124887.731218374	4389994.87875178	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
461	327	241701	-6734.14133		107.75573170250766	39.64183271507926	-101.0384169	125088.730188748	4389990.627308197	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
462	327	241702	-6668.14133		107.75573170250766	39.64183676916574	-101.0360748	125289.7320595632	4389994.77971232	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
463	327	241703	-6602.14133		107.75573170250766	39.64184131800653	-101.0337326	125490.7272124087	4389992.743860969	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
464	327	241704	-6536.14133		107.75573170250766	39.6418458	-101.03138	125691.72369511	4389997.67378498	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
465	327	241705	-6470.14133		107.75573170250766	39.6418502799816	-101.029084	125892.72547707851	4389994.731871314	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
466	327	241706	-6404.14133		107.75573170250766	39.64185463042006	-101.0267063	126093.7227533037	4389997.02788705	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
467	327	241707	-6338.14133		107.75573170250766	39.6418596069247	-101.0243642	126294.7210445597	4389996.522862269	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
468	327	241708	-6272.14133		107.75573170250766	39.6418633495426	-101.022022	126495.718904669	4389992.47703587	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
469	327	241709	-6206.14133		107.75573170250766	39.6418676	-101.019679	126696.7161619697	4389995.4225612615	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
470	327	241710	-6140.14133		107.75573170250766	39.641872929138	-101.0173738	126897.7141916836	4389994.733425279	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
471	327	241711	-6074.14133		107.75573170250766	39.641878029198	-101.01508	127098.7207981987	4389995.338062997	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
472	327	241712	-6008.14133		107.75573170250766	39.6418822143308	-101.012635	127299.7078402747	4389994.750523098	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
473	327	241713	-5942.14133		107.75573170250766	39.64188347179888	-101.0103114	127500.7507720886	4389994.22625034	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
474	327	241714	-5876.14133		107.75573170250766	39.6418883691721	-101.007963	127701.7026502515	4389993.17584607	3215.3046105123954	306.688624657116	2929.4771050566897	104.93013104298734	107.1915470902195
475	327	241715	-5810.14133		107.75573170250766									

ix	iy	ic	X.Yt	Y.t	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRElevLogKg.f	BRElevBothKg.f	SatThLog.s	SatThBoth.f
55	327	74195	-5.301,141327	707557.3170250766	39.42606624213059	-0.0182565	343981.9114618313	439890.1909089388	2952.546636711884	2900.859948156107	2822.022143996584	2797.898985454755	0	2.286956701
556	327	74196	-4.641,141327	707557.3170250766	39.4260665253858	-0.01159144	344182.8952838226	439890.60006112	2942.691920246518	2798.058212016544	2815.840358360514	2794.9851369043204	0	3.1705711220522
557	327	74197	-3.931,141327	707557.3170250766	39.4260667468677	-0.00139722	344383.3789533467	439890.8213943436	2932.851746778034	2795.868156918253	2810.6698689818754	2792.847821466884	0	3.130235198337365
558	327	74198	-3.231,141327	707557.3170250766	39.4260671281113	-0.0112301	344584.8621745475	439890.958409347	2922.379132315305	2793.9167481251	2805.512694674217	2790.78911461941	0	3.1276000516807
559	327	74199	-2.611,141327	707557.3170250766	39.42606733875666	-0.0088888	344785.84584732156	439890.8471082841	2917.864525226106	2791.9052718165235	2800.550597	2788.906289497916	0	2.99888218607432
560	327	74200	-2.001,141327	707557.3170250766	39.42606743692416	-0.0054558	344986.826	439890.8148129029	2917.459524512379	2795.45618102001	2786.77624739916	0	3.12626380	
561	327	74201	-1.341,141327	707557.3170250766	39.4260678026133	-0.0042037	345187.8121394075	439890.812284523	2917.12719986037	2788.081530542723	2790.671935710748	2784.0506072273992	0	3.957455782343046
562	327	74202	-0.611,1413269	707557.3170250766	39.426067755247	-0.0081816	345388.7950610061	439890.817841973	2916.75846897506	2786.127122752774	2785.7175073482376	2780.842775866262	0.4092049270398059	5.2639364091549
563	327	74203	-0.11,1413269	707557.3170250766	39.4260677165576	-0.00796184	345589.7133252006	439890.8213943436	2915.22125066109	2784.291628871672	2781.035591073714	2777.729157853654	3.2659736818018945	6.516788180757556
564	327	74204	0.58,1413269	707557.3170250766	39.4260678044123	-0.00797173	345790.745645446	439890.7473987405	2912.85041159617	2782.50652813669	2778.436990449215	2774.424991868035	6.099729144653747	8.0816371568516
565	327	74205	1.298,1413269	707557.3170250766	39.42606761405892	-0.00794831	345991.7423094687	439890.7639632547	2910.347302506226	2780.773459567773	2772.534074779232	2770.70671008003	8.24327177	9.87063587077638
566	327	74206	1.958,1413269	707557.3170250766	39.42606750238875	-0.0079249	346192.7253	439890.671489969	2917.01108241329	2779.1109374123227	2776.67565054644	2766.8280454053324	11.43437205767852	12.282891736990223
567	327	74207	2.618,1413269	707557.3170250766	39.4260673547081	-0.00791059	346393.70473279334	439890.624387709	2903.071577022278	2776.51242240103	2762.5844744893548	2762.169175074835	15.34716030114795	16.36276090147495
568	327	74208	3.278,1413269	707557.3170250766	39.4260671430505	-0.00787897	346594.689	439890.581493048	2896.09273265804	2776.03712061148	2767.469723621028	2756.758081302256	18.5339843040201	19.2449169852229
569	327	74209	3.938,1413269	707557.3170250766	39.42606795919448	-0.0078466	346795.6713417826	439890.549932838	2888.120975752664	2774.585306	2761.259812134096	2753.2884017010226	23.268400125793447	24.320206125793447
570	327	74210	4.598,1413269	707557.3170250766	39.4260690323006	-0.00783125	346996.637043111	439890.56228007	2882.145677833117	2773.273800747897	2763.950656777703	2762.7427817202031	30.4802055746876	31.4808252746876
571	327	74211	5.258,1413269	707557.3170250766	39.426069252084	-0.00780723	347197.6346591258	439890.536589006	2876.402141880394	2772.077934211633	2767.0798623203	2764.45123635941	35.99948761810414	37.632670046126236
572	327	74212	5.918,1413269	707557.3170250766	39.4260692613683	-0.00784402	347398.616096438	439890.4250905273	2871.890369705476	2771.00335683756	2762.4549834916484	2761.842303703978	41.7641692142776	43.16478081871738
573	327	74213	6.578,1413269	707557.3170250766	39.42606945358995	-0.00776081	347599.5973845575	439890.384294701	2867.378597528678	2770.05603714216	2762.96682608265	2762.45412512069403	47.08374093369357	47.62718850727565
574	327	74214	7.238,1413269	707557.3170250766	39.4260698010367	-0.00773759	347800.5782538015	439890.348198421	2862.866753529618	2769.2146079077897	2761.563456409141	2761.4145672373124	53.76076042868423	53.779911574673405
575	327	74215	7.898,1413269	707557.3170250766	39.426069446	-0.007714138	348001.59562542124	439890.3041106801	2853.11366815241	2768.4857837113	2768.433023788556	2768.5874876195085	0.005006281	0
576	327	74216	8.558,1413269	707557.3170250766	39.426069750756	-0.00769076	348202.504547832	439890.264055489	2838.119214415631	2767.850527486605	2770.0737978521897	2773.508380117122	0	0
577	327	74217	9.218,1413269	707557.3170250766	39.426069818134	-0.00766781	348403.380186515	439890.2230130541	2829.32801863986	2767.4584516024	2767.296538279085	2774.472709486174	0.005006281	0
578	327	74218	9.878,1413269	707557.3170250766	39.426069233017	-0.00764374	348604.5016342921	439890.1835503722	2808.13004621463	2766.905912410495	2768.594511	2770.00683508151	0	0
579	327	74219	10.538,1413269	707557.3170250766	39.4260691326044	-0.007620452	348805.480448525	439890.133011537	2800.1545496406	2767.003718893027	2758.06349581216	2757.54175454544	8.30542271081153	8.8227752740208
580	327	74220	11.198,1413269	707557.3170250766	39.426069189566	-0.00759731	349006.462309542	439890.100951239	2819.769096156223	2765.974223766582	2751.6834004321	2750.88457197535	14.29038723371176	15.08951791230153
581	327	74221	11.858,1413269	707557.3170250766	39.42606937599316	-0.00757361	349207.442481005	439890.084561234	2805.256648199274	2765.612404851795	2749.848911726465	2749.300813021123	15.34716030114795	16.31191925067301
582	327	74222	12.518,1413269	707557.3170250766	39.42606956	-0.00755018	349408.4224022505	439890.025678064	2845.284195475706	2765.276092562327	2749.715712390343	2749.427304264776	15.844887788156072	16.854887788156072
583	327	74223	13.178,1413269	707557.3170250766	39.4260695818134	-0.00752687	349609.425698134	439890.003861291	2838.119214415631	2765.850527486605	2770.0737978521897	2773.508380117122	0	0
584	327	74224	13.838,1413269	707557.3170250766	39.426069450567	-0.00750346	349810.3819139331	439890.003861291	2822.022143996584	2764.854516024	2764.854516024	2764.854516024	11.82470773589481	11.661424205276
585	327	74225	14.498,1413269	707557.3170250766	39.42606978372215	-0.007479924	350011.3614524477	439890.18540328	2850.925838187574	2764.3943454584	2765.317713182435	2765.554782	9.03137043148754	8.7271145953289
586	327	74226	15.158,1413269	707557.3170250766	39.426069564593	-0.007456033	350212.3406481344	439890.16210235	2805.62992340376	2764.095301319236	2757.65807315155	2758.145853813628	6.347299817	5.94951621829537
587	327	74227	15.818,1413269	707557.3170250766	39.4260695701885	-0.007433081	350413.3200951894	439890.1284399583	2852.991341761996	2763.819557901482	2759.2160489091834	2759.987207751062	6.40503892	3.82350149878595
588	327	74228	16.478,1413269	707557.3170250766	39.42606939749484	-0.00740966	350614.2993	439890.116	2858.00925411115	2763.544568802173	2759.541694505322	2758.541694505322	4.0028745928595235	3.2846443429247
589	327	74229	17.138,1413269	707557.3170250766	39.4260695495792	-0.00738629	350815.2762262624	439890.093488048	2863.027189584245	2762.367508054408	2758.61113396659	2758.61113396659	14.548887788156072	14.39351093656301
590	327	74230	17.798,1413269	707557.3170250766	39.4260695818134	-0.00736287	351016.257973256	439890.071041283	2849.261125051730	2762.8612509148	2757.116227692648	2757.116227692648	15.89857576169935	15.1271003573896
591	327	74231	18.458,1413269	707557.3170250766	39.426069509719	-0.00733896	351217.235753612	439890.048500719	2874.54662379219	2762.69184803095	2756.26457947251	2755.081375544138	14.74371346	7.61781846
592	327	74232	19.118,1413269	707557.3170250766	39.4260691694185	-0.007315975	351418.2143	439890.02686354	2882.536422767867	2762.405772454327	2753.47398531141	2753.47398531141	15.64592421462	8.2636232231813
593	327	74233	19.778,1413269	707557.3170250766	39.4260693832414	-0.00729253	351619.1927	439890.050112661	2862.10298455635	2761.8674677912522	2752.584858793916	2752.584858793916	9.514701875931222	9.181701875931222
594	327	74234	20.438,1413269	707557.3170250766	39.42606905015856	-0.007269132	351820.170915737	439890.03837023	2898.5114642409237	2761.7630340067	2750.279513146833	2750.279513146833	11.50809079323426	8.89441297324263
595	327	74235	21.098,1413269	707557.3170250766	39.426069115855	-0.007245711	352021.1490713247	439890.026628655	2901.24862591077	2761.4661782893	2749.888726547951	2749.888726547951	10.52879137101496	10.46710780870853
596	327	74236	21.758,1413269	707557.3170250766	39.4260691320445	-0.00722248	352222.1269763266	439890.0434	2938.83087439173	2761.10665931995	2747.576274048495	2747.576274048495	15.8241947347804102	15.6374747347804102
597	327	74237	22.418,1413269	707557.3170250766	39.4260690702584	-0.00720019	352423.169161677	439890.030816177	2941.76416161677	2760.941761281291	2746.967980547837	2746.967980547837	15.89857576169935	15.1271003573896
598	327	74238	23.078,1413269	707557.3170250766	39.4260693810299	-0.00717748	352624.0824674859	439890.0378977036	2933.913110705433	2760.336410752925	2744.55451933844	2744.55451933844	15.89857576169935	15.1271003573896
599	327	74239	23.738,1413269	707557.3170250766	39.4260693843	-0.007155205	352825.06	439890.0378977036	2892.3077832549637	2759.4089768921862	2743.253197118359	2742.716287620568	15.65557203502617	15.78780123805502
600	327	74240	24.398,1413269	707557.317025076										

ix	iy	ic	Yr	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt	BRIElevLogsKrg	BRIElevBothKrg	SatHtElev	SatHtBoth
681	327	141921	7858.85867307335	100.75573170250766	36.64175288099736	-100.523148	369304.75444138993	4389104.9722003878	2663.4775183140337	2633.174237222885	2624.558717517884	2624.705335858842	2617.99705001134	84.29183934043183	
682	327	141922	7858.85867307335	100.75573170250766	36.64174778773174	-100.520859	369055.72009590444	4389100.97664163	2631.732291295939	2617.889629950339	2616.913044988593	2616.8630227976437	12.8913077680034041		
683	327	141923	7858.85867307335	100.75573170250766	36.64174209387474	-100.504411	369762.4627109611	4389078.964596386	2630.38795405166	2617.3256865373	2616.349715018736	2617.3568738246672	17.036814801502163		
684	327	141924	7858.85867307335	100.75573170250766	36.64173664118088	-100.5162127	369905.637433016	4389070.97065165	2605.402557946381	2629.151911283518	2608.281753000415	2608.531680258137	20.8030179147655		
685	327	141925	7858.85867307335	100.75573170250766	36.64173105446904	-100.5137796	3701.0818196685047	4389088.966623603	2606.062113856326	2628.106507982023	2605.231972595231	2605.407128875832	23.63759689340412		
686	327	141926	7858.85867307335	100.75573170250766	36.6417256036577	-100.5114375	370308.585366624	4389076.965764014	2607.918424851233	2627.291464988013	2603.779314656582	2604.211887759732	24.49831842143103		
687	327	141927	7858.85867307335	100.75573170250766	36.641720017037485	-100.5090954	3705.0151386927	4389080.96515019	2656.984472504129	2626.46727504219	2603.136838038542	2603.76745544589	22.69952695954554		
688	327	141928	7858.85867307335	100.75573170250766	36.64171438611203	-100.5067532	37071.5117108989	4389076.96476036	2651.889696118046	2625.71286029426	2602.567122004518	2602.5671159291874	24.1735287948006		
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690	327	141930	7858.85867307335	100.75573170250766	36.6417028669378	-100.502069	371113.4810871736	4389084.964596386	2624.064119545204	2600.533944736914	2601.4227716713014	2602.656577221038	22.6635977821013		
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693	327	141933	7858.85867307335	100.75573170250766	36.64168554707811	-100.4950427	371716.343881296	4389056.966179416	2637.631410855102	2622.166272681308	2596.756483919441	2597.428600599985	26.213741258309812		
694	327	141934	7858.85867307335	100.75573170250766	36.64179643720046	-100.4927006	371917.30886816763	4389052.96717321	2635.747019969396	2619.853973974597	2591.3348971647637	2591.544985133891	28.1459257782598		
695	327	141935	7858.85867307335	100.75573170250766	36.64167995114925	-100.4903584	372118.3723722181	4389048.968317126	2638.2181996396	2619.853973974597	2591.3348971647637	2591.544985133891	30.19147716990044		
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697	327	141937	7858.85867307335	100.75573170250766	36.641662163633	-100.4856742	372520.2039457235	4389039.97353426	2638.2181996396	2615.531106683384	2578.79842324625	2578.053627129506	36.174706283713484		
698	327	141938	7858.85867307335	100.75573170250766	36.6416557781728	-100.4833231	372721.167932859	4389036.973207795	2641.866793639254	2617.834339305031	2578.79842324625	2578.053627129506	38.1035500840046		
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700	327	141940	7858.85867307335	100.75573170250766	36.64164373383735	-100.4786479	373123.09622682875	4389027.975758924	2647.569347842067	2610.0827633104256	2577.778620397045	2577.954732285643	42.3206384764745		
701	327	141941	7858.85867307335	100.75573170250766	36.6416370329647	-100.4763058	373324.060326031	4389024.980116868	2648.07699124133	2608.031086303317	2575.7402703206308	2575.904003	42.72281530970045		
702	327	141942	7858.85867307335	100.75573170250766	36.64163078796221	-100.4739637	373525.2403754638	4389020.92688518	2650.5842369819133	2605.82102514078	2573.1616238974016	2573.30625007227	43.1994805755384		
703	327	141943	7858.85867307335	100.75573170250766	36.641623233523	-100.471641	373726.58115786	4389016.965819535	2652.261298081974	2603.92862310581	2572.02642191478	2572.02642191478	44.6189245823514		
704	327	141944	7858.85867307335	100.75573170250766	36.6416182155281	-100.4692795	373926.92504049497	4389012.989	2642.125157129574	2601.116870606997	2568.75892434368	2566.93447364596	45.34759612103177		
705	327	141945	7858.85867307335	100.75573170250766	36.64161172047769	-100.4669374	374127.915697576	4389009.94269216	2647.569317903616	2598.638936809824	2562.49220854724	2562.5976003410706	46.14466280616526		
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708	327	141948	7858.85867307335	100.75573170250766	36.6415922475057	-100.459911	374730.803925311	4388997.04088341	2615.162572252277	2592.246892898338	2546.20023475735	2546.056289968877	49.04686342119833		
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710	327	141950	7858.85867307335	100.75573170250766	36.6415783039633	-100.4552828	375132.70171525	4388989.01295655	2615.162572252277	2592.246892898338	2546.20023475735	2546.056289968877	51.04686342119833		
711	327	141951	7858.85867307335	100.75573170250766	36.64157236384179	-100.4528847	375333.695107141	4388985.018	2612.096266829996	2591.431726846958	2538.591424817474	2538.443538349621	52.0881883304672		
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714	327	141954	7858.85867307335	100.75573170250766	36.6415502469109	-100.4458584	375936.532068312	4388970.03380824	2604.774097078206	2590.93266957565	2532.2437441692837	2532.2437441692837	55.68882635		
715	327	141955	7858.85867307335	100.75573170250766	36.64154522117728	-100.4434613	376137.54567000328	4388968.03947698	2604.774097078206	2590.93266957565	2532.2437441692837	2532.2437441692837	56.68882635		
716	327	141956	7858.85867307335	100.75573170250766	36.641538233523	-100.4411742	376338.508115786	4388965.051	2604.774097078206	2590.93266957565	2532.2437441692837	2532.2437441692837	57.68882635		
717	327	141957	7858.85867307335	100.75573170250766	36.6415313144554	-100.4388321	376539.4074337352	4388961.059	2604.774097078206	2590.93266957565	2532.2437441692837	2532.2437441692837	58.68882635		
718	327	141958	7858.85867307335	100.75573170250766	36.64152439031304	-100.43649	376740.4325424148	4388957.05739141	2604.774097078206	2590.93266957565	2532.2437441692837	2532.2437441692837	59.68882635		
719	327	141959	7858.85867307335	100.75573170250766	36.64151735450231	-100.4341479	376941.3944744325	4388953.03654064	2610.402790108544	2589.765162740357	2553.085634253774	2553.085634253774	60.68882635		
720	327	141960	7858.85867307335	100.75573170250766	36.6415102742245	-100.4318058	377142.3562326383	4388949.07042702	2610.402790108544	2589.765162740357	2553.085634253774	2553.085634253774	61.68882635		
721	327	141961	7858.85867307335	100.75573170250766	36.64150315	-100.4294637	377343.318028692	4388945.07733988	2644.996310016575	2587.48871903291396	2557.858313207444	2557.858313207444	62.68882635		
722	327	141962	7858.85867307335	100.75573170250766	36.64149597942665	-100.4271612	377544.297256705	4388941.08489795	2657.7915011197906	2586.705754154575	2556.5902159841366	2556.5902159841366	63.68882635		
723	327	141963	7858.85867307335	100.75573170250766	36.641488450260967	-100.4248738	377745.2934907184	4388937.05739141	2657.7915011197906	2586.705754154575	2556.5902159841366	2556.5902159841366	64.68882635		
724	327	141964	7858.85867307335	100.75573170250766	36.64148105131202	-100.4225374	377946.2066208963	4388933.010133839	2671.138995640184	2585.028019731157	2552.96730708352	2552.96730708352	65.68882635		
725	327	141965	7858.85867307335	100.75573170250766	36.6414749173269	-100.4200953	378147.1639604523	4388929.108	2675.7323449997976	2584.10537898417	2551.840466663295	2551.840466663295	66.68882635		
726	327	141966	7858.85867307335	100.75573170250766	36.6414668458746	-100.4177532	378348.1216342787	4388925.11674267	2683.2819463331178	2583.129184738086	2553.41407242662	2553.41407242662	67.68882635		
727	327	141967	7858.85867307335	100.75573170250766	36.6414594397001	-100.4154111	378549.081968767	4388921.12435089							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogh.ft	BRIElevLogh.ft	SeaDatH.fht	SurfBothH.ft
67	328	242047	-327381.1413	10028173.310250766	36.38331421	-101.9611891	45883.976056886	391806.03093931	3557.445841838768	3473.07763489839	3423.0727196144467	3427.265673998165	50.04041687392155	45.81196249167397
68	328	242048	-326721.1413	10028173.310250766	36.38333662935431	-101.9588472	44806.0575630828	391801.341688213	3562.382313434487	3472.013724033036	3422.3149083125402	3428.205820597607625	49.698815091361666	43.808631273141145
69	328	242049	-326561.1413	10028173.310250766	36.38336920567687	-101.9616054	44636.1384953364	39177.800312166	3567.318273284964	3471.687043588651	3423.982712824964	3428.982712824964	49.38885249894513	43.9784868494842
70	328	242050	-324501.1413	10028173.310250766	36.38383133473468	-101.9541635	44648.72201946202	39172.55310659751	3572.255310625047	3469.902367318177	3420.900901608353	3425.263659640171	49.0881512351891	44.6383726474767
71	328	242051	-324741.1413	10028173.310250766	36.3840361956736	-101.9518217	44668.30108918218	39178.9158489195	3578.7269475826884	3468.851860970725	3420.055114225855	3423.3609587411556	48.79674954813936	45.49002219575272
72	328	242052	-324081.1413	10028173.310250766	36.38425859161615	-101.9494799	44689.3817321073	39173.3178361674	3586.733731904048	3467.80362636302	3418.91521	3421.3278804213496	48.1244218148222	46.4760244224648
73	328	242053	-323241.1413	10028173.310250766	36.3844805351744	-101.947138	44709.046212691307	391781.238104387	3594.704528183008	3465.73428604443	3417.4696270752765	3419.305428606444	48.0877493116774	47.45281657137821
74	328	242054	-322761.1413	10028173.310250766	36.3847020264578	-101.9447962	447291.54237045725	391760.079074466	3607.747300561157	3465.71139222354	3416.102171373447	3417.30770912314024	48.0887674880714	48.40044799095717
75	328	242055	-322101.1413	10028173.310250766	36.3849236052455	-101.9424545	44762.6222641229	39177.7258	3601.374589013786	3464.65659240362	3415.6589129116624	3415.6589129116624	48.36614851273855	48.99975227701725
76	328	242056	-321441.1413	10028173.310250766	36.38514356164745	-101.9401125	44763.7019080745	39178.8181767583	3603.641485133148	3463.619456502674	3413.194533730449	3413.94569332398	50.42239192	49.65474901102765
77	328	242057	-320781.1413	10028173.310250766	36.3853678566336	-101.9377708	44784.7831052517	39177.64368551	3608.8723667388504	3462.573641587873	3410.180038896396	3410.801969253996	50.3252527188768	51.7716940058868
78	328	242058	-320211.1413	10028173.310250766	36.38558346729255	-101.9354288	44805.86044772217	39176.504259113	3611.12227459221	3461.52684401326	3408.630791597604	3409.35358045808	52.89076524	52.49148635517729
79	328	242059	-319461.1413	10028173.310250766	36.3858026965349	-101.9330869	44826.93803450542	39175.461379266	3618.740618765377	3460.475867151441	3407.888877962039	3407.65105435268	52.889691893406	52.80481261717397
80	328	242060	-318801.1413	10028173.310250766	36.38602147338936	-101.9307451	44848.0179910055	39175.26278989	3632.72764142635	3459.402713613106	3406.565290637566	3404.56114072337	52.8881229754003	53.306301153973001
81	328	242061	-318141.1413	10028173.310250766	36.3862397978564	-101.9284032	44869.09639953574	39174.12430303	3648.713913407673	3458.2619514381774	3405.13156060491	3404.5514389449104	52.85497342296206	53.8105124839008
82	328	242062	-317481.1413	10028173.310250766	36.38646577	-101.926013	44890.1745369156	39173.81811776	3660.70506707107	3457.29909203398	3403.539415621878	3402.809344817468	53.7610936175032	54.4059642119219
83	328	242063	-316821.1413	10028173.310250766	36.3866751	-101.9237195	449101.2524413871	39173.8948155609	3662.2608714295315	3456.23453264073	3402.152863200854	3401.702717535717	54.089570608778	55.075163510321545
84	328	242064	-316161.1413	10028173.310250766	36.3868920569257	-101.9213776	44932.30035912903	39173.571043394	3651.232845671005	3455.169106147457	3400.0096229035	3398.952167071008	55.15217992	56.2169185403498
85	328	242065	-315501.1413	10028173.310250766	36.3871086	-101.9190358	449503.40750101802	39173.572921127	3648.18821962775	3451.0126065678	3397.58245924183	3396.9309664992	56.51841397319586	57.1702640074598
86	328	242066	-314841.1413	10028173.310250766	36.3873246343582	-101.9166839	449704.48465266256	39172.744531945	3629.284794175396	3453.013788	3394.95347696272	3394.2496371967463	56.51053972124	58.7821504692366
87	328	242067	-314181.1413	10028173.310250766	36.38754072444889	-101.914352	449905.5615700748	39172.298604792	3627.431708909225	3450.8662371008	3392.124525496125	3392.37128851264	58.3939167045686	60.62674139575429
88	328	242068	-313521.1413	10028173.310250766	36.38775540229916	-101.9120102	45016.53623565446	39171.91760917	3634.71592530354	3450.86487704078	3388.486506543739	3386.24536208864	58.7370109895883	64.6404713108753
89	328	242069	-312861.1413	10028173.310250766	36.3879701075778	-101.9096718	45038.6167937893	39171.27049217	3627.5623234764	3443.204354783784	3387.6534507107	3386.24536208864	58.7370109895883	64.6404713108753
90	328	242070	-312201.1413	10028173.310250766	36.3881843605352	-101.9073254	450506.7909194639	39170.88851705	3648.27451871126	3448.72867157111	3383.01601119503	3381.5532752432466	58.7270020378086	67.11559131368552
91	328	242071	-311541.1413	10028173.310250766	36.388389611002	-101.9049846	450709.8667407057	39170.756723655	3656.333397198125	3446.33801953642	3380.2286236144473	3378.725520227114	61.4712583149641	68.9145873630044
92	328	242072	-310881.1413	10028173.310250766	36.38861150927309	-101.9026427	450910.9424197908	39170.62187	3663.18032366575	3446.543052135766	3377.16556971981	3376.029334698166	61.3783349559582	70.5145704736003
93	328	242073	-310221.1413	10028173.310250766	36.3888244050529	-101.9003008	451112.017850113	39168.48841164135	3670.025395073393	3445.438667488893	3375.3061183215086	3375.3061183215086	71.33594916	73.3195978889021
94	328	242074	-309561.1413	10028173.310250766	36.38903684843946	-101.8978598	451313.0930343847	39168.345722884	3676.87377550123	3443.3625044108	3374.17175821215	3374.1540813949542	71.30850286	73.31981036345
95	328	242075	-308901.1413	10028173.310250766	36.389248934321	-101.895617	451518.1679378983	39168.160518832	3672.5623234764	3443.204354783784	3373.65485180723	3373.65485180723	71.30850286	73.31981036345
96	328	242076	-308241.1413	10028173.310250766	36.3894603780308	-101.8933752	451715.244670816	39168.05754183	3670.103746723	3442.077319515186	3372.245104671213	3372.245104671213	71.30850286	73.31981036345
97	328	242077	-307581.1413	10028173.310250766	36.3896714642353	-101.8909333	451916.3171452757	39168.140739396	3641.64432268843	3440.94595693305	3369.7317030654268	3368.7996537273346	71.2088526303037	73.1400418415958
98	328	242078	-306921.1413	10028173.310250766	36.3898902084074	-101.8885914	452117.391174668	39167.806273458	3646.18490174424	3439.7947803127404	3369.2730916446562	3367.47726957317	71.05216886680841	71.3770531736069
99	328	242079	-306261.1413	10028173.310250766	36.390092749587	-101.8862496	452318.46527480378	39167.637198473	3625.81835493027	3438.639604485095	3369.401045338037	3368.735152904462	69.2385511147258	72.70628516
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101	328	242081	-304941.1413	10028173.310250766	36.3905511285991	-101.8815898	452720.61245650458	39166.40439877	3658.271167286414	3436.301470450184	3368.770474717074	3368.770474717074	69.3587338195689	69.0668527766976
102	328	242082	-304281.1413	10028173.310250766	36.3907920195778	-101.8792239	452921.6585919165	39166.127049217	3655.119519736862	3435.19819736862	3367.6534507107	3367.6534507107	69.3587338195689	69.0668527766976
103	328	242083	-303621.1413	10028173.310250766	36.39103884811535	-101.876882	453122.7589594632	39166.137120881	3678.506567471326	3433.982277660725	3368.42313781299	3368.269761767422	68.4841739847533	65.6505289393929
104	328	242084	-302961.1413	10028173.310250766	36.391313640058476	-101.8745041	453323.831395923	39165.303978197	3674.796220776803	3432.75466361454	3368.065071364155	3368.065071364155	64.670349653607	64.64873781695178
105	328	242085	-302301.1413	10028173.310250766	36.39153438676183	-101.8721982	453524.9038881142	39165.816705115	3673.08967624347	3431.537843	3367.899173726116	3367.895458410723	64.670349653607	63.58238404074673
106	328	242086	-301641.1413	10028173.310250766	36.39175508825365	-101.8698564	453725.9761368185	39164.74381244	3671.381513293887	3430.400503666276	3367.867431595607	3367.8581962452785	64.672188071205	62.4818511234908
107	328	242087	-300981.1413	10028173.310250766	36.39197174444097	-101.8675145	453927.048142217	39164.08597123	3670.373429	3429.1349269001	3368.22149492317	3368.1885494136808	60.9220273411693	60.954895593901
108	328	242088	-300321.1413	10028173.310250766	36.3921953554296	-101.8651726	454128.1195040523	39163.614703196	3670.065614746358	3428.74164765212	3369.0952815813523	3368.781670268271	58.85396201	58.85396201
109	328	242089	-299661.1413	10028173.310250766	36.392416117673	-101.862848	454329.267058853	39162.92094405	3668.449986236136	3425.54894341872	3373.030509	3373.030509	58.85396201	58.85396201
110	328	242090	-299001.1413	10028173.310250766	36.3926274168002	-101.860488	454530.267058853	39162.92094405	3668.449986236136	3425.54894341872	3373.030509	3373.030509	58.85396201	58.85396201
111	328	242091	-298341.1413	10028173.310250766	36.39282792	-101.8581469	454731.373480084	39162.074403623	3668.823215988214	3424.4394254834				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
19	328	242173	-242221.1413	1008217.3170250766	39.640078293323394	-101.6661071	17128.3532140392	34921286.0271792625	3502.1900470433247	3331.4681819778844	3229.3248161671445	3226.870325805453	121.4233658170393	124.49785617239559
194	328	242174	-242561.1413	1008217.3170250766	39.64079965344715	-101.6637651	171419.4084054245	34912813.59656313	3499.863767	3350.585862208599	3227.4624965665838	3225.1817914304465	123.12318666027513	125.40389071815234
196	328	242175	-242901.1413	1008217.3170250766	39.640816328470284	-101.6614231	171620.4562424807	3491277.84756103	3498.5215604589303	3344.26568078231105	3216.8459710438444	3213.641308217395	124.3438767679432	126.00673000979492
198	328	242176	-242421.1413	1008217.3170250766	39.640832958144415	-101.6590811	171821.5074191474	3491263.75367619	3498.132347536796218	3324.734793691317	3222.0939561464957	3223.0939561464957	126.7312370567677	126.3743935605978
197	328	242177	-241581.1413	1008217.3170250766	39.64084954262843	-101.6567391	172022.55837143504	3491269.624374051	3497.8052694146564	3347.9415719865847	3221.360307082792	3220.575245433189	126.58126490379254	127.38044654339547
198	328	242178	-240921.1413	1008217.3170250766	39.64086068	-101.6543971	172223.6039893095	3491265.518367905	3497.441761692403	3347.0224600745724	3219.257626623546	3219.2472589905474	127.46600345102615	127.81741740480149
200	328	242179	-240261.1413	1008217.3170250766	39.64088257586702	-101.6520551	172424.6596024834	3491261.00444535	3498.3536236712827	3346.130621192653	3218.346699492454	3217.7898422434078	127.7898422434078	128.5661680662836
200	328	242180	-239601.1413	1008217.3170250766	39.64089902462155	-101.6497131	172625.7989105587	3491257.28930774	3495.3421705520614	3345.205325314573	3217.463226865036	3217.845091608896	127.7421263853473	127.3562616906769
202	328	242181	-238941.1413	1008217.3170250766	39.64091542813287	-101.6467201	172826.7598193187	3491253.78375603	3495.6948874311306	3344.26568078231105	3216.8459710438444	3216.8459710438444	127.7421263853473	127.3562616906769
202	328	242182	-238281.1413	1008217.3170250766	39.64093175640006	-101.6450211	173027.809874454	3491249.067767471	3496.05604311055	3343.31062868942	3215.301758033887	3215.301758033887	127.8594343898918	127.6594343898918
203	328	242183	-237621.1413	1008217.3170250766	39.64094809433814	-101.6428781	173228.8584752983	3491244.552096811	3495.965463055234	3342.3407697895	3214.985229742533	3214.985229742533	127.84281817254598	127.84281817254598
204	328	242184	-236961.1413	1008217.3170250766	39.64096347271524	-101.6403451	173429.0898548339	3491240.746690996	3495.3421705520614	3341.355163618343	3214.979204143795	3214.72381438451	127.5787331803585	126.6314947728318
205	328	242185	-236301.1413	1008217.3170250766	39.6409805875331	-101.6380031	173630.9580212907	3491236.38680598	3509.82346527410494	3340.3542657410494	3213.78505303186337	3212.686076677327	126.5692152424151	125.7862596637613
206	328	242186	-235641.1413	1008217.3170250766	39.64099670740902	-101.6356611	173832.007	3491232.627178953	3490.2562478032562	3339.3382950506643	3213.232033435233	3214.095089126787	126.9261159738014	125.2430233827721
207	328	242187	-234981.1413	1008217.3170250766	39.6410128990592	-101.6333191	174033.0556757074	3491228.518	3503.0725177882903	3338.3086621946734	3212.3138915578652	3213.519442005041	126.1094663680817	124.7892101896322
208	328	242188	-234321.1413	1008217.3170250766	39.6410289891051	-101.6309711	174234.104169913	3491224.4083107	3505.280306907057	3337.265085790297	3211.304590390075	3212.771897	125.901318895486	124.4940120052052
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210	328	242190	-233001.1413	1008217.3170250766	39.64106102379243	-101.626293	174636.20448904203	3491216.19053815	3494.705793295554	3335.141815213503	3210.3174925546045	3212.0121474	124.8243256589836	123.7127649369292
211	328	242191	-232341.1413	1008217.3170250766	39.64107674869755	-101.623951	174837.2483164105	3491212.008770022	3492.8340022399843	3334.09245666544	3210.68492083211	3212.833428333056	123.21256831564473	123.21256831564473
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218	328	242198	-227721.1413	1008217.3170250766	39.6411875358956	-101.607559	176244.5758191515	3491183.328	3495.354364121323	3326.124382070601	3205.80135844047	3210.709958471253	118.35566497559594	110.74642713711874
219	328	242199	-227061.1413	1008217.3170250766	39.64120265471751	-101.6052149	176445.6229715118	3491179.220821229	3494.40395694979	3324.947572898976	3202.965128348201	3212.546490871613	118.35566497559594	110.74642713711874
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232	328	242212	-218481.1413	1008217.3170250766	39.641401166183484	-101.5747685	179059.201801962	3491125.85307238	3490.942944912892	3312.064214590867	3201.29804534538	3212.459612304464	118.35566497559594	110.74642713711874
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234	328	242214	-217161.1413	1008217.3170250766	39.64143136231611	-101.5700844	179461.267815533	3491117.146693087	3490.942944912892	3310.264214590867	3201.29804534538	3212.459612304464	118.35566497559594	110.74642713711874
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236	328	242216	-215841.1413	10082										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
319	328	24229	-161061.1413	1008217.3170250766	36.42543336164129	-101.3710081	296549.1524587394	4307969.69288708	3346.985973466081	3176.23001017543824	3067.011227148809	3067.7417176718072	109.2187830657321	108.4882306527518
320	328	24300	-160401.1413	1008217.3170250766	36.42544041007472	-101.368866	296750.1713386973	4307565.60829059	3345.307565800393	3174.648978	3064.452636990226	3059.1750065935743	110.1963406035743	110.4514769430743
321	328	24301	-159781.1413	1008217.3170250766	36.42535375127766	-101.366328	296651.209194668	4306761.52632692	3344.623918765694	3174.8821926236	3064.4007704851384	3059.17226833743771	110.2268211568815	109.77226833743771
322	328	24302	-159081.1413	1008217.3170250766	36.42536630400745	-101.3638871	297152.2265012567	4305745.402707248	3341.950754859597	3171.427537964327	3057.282061200795	3056.7900131053651	114.196314344342	114.68246703136744
323	328	24303	-158421.1413	1008217.3170250766	36.42537718762734	-101.3616396	297353.2507846624	4306753.35889205	3336.954591469324	3168.8793079336681	3057.772781	3057.5558581061008	112.10652681715828	112.32327682768026
324	328	24304	-157761.1413	1008217.3170250766	36.42538862060775	-101.3592975	297554.2746687064	4306744.267134097	3328.646081	3168.282061383056	3057.9030810127815	3057.927437149517	110.35756898751045	110.35756898751045
325	328	24305	-157101.1413	1008217.3170250766	36.425398819141654	-101.3569554	297755.2987547807	4305745.19305671	3320.36770722876	3166.884504854386	3057.248401542679	3056.2813585674362	109.434894275965	109.434894275965
326	328	24306	-156441.1413	1008217.3170250766	36.4260596702908	-101.3546133	297956.3242469457	4304701.11170745	3312.012860343583	3165.085072107169	3055.91878918922	3055.7237788939354	109.5596352342428	109.5596352342428
327	328	24307	-155781.1413	1008217.3170250766	36.42620395698987	-101.3522719	298157.3459526934	4303737.02883505	3304.187890576594	3164.363218292436	3054.2522049594486	3053.51129340476265	110.23331528121332	109.77226833743771
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333	328	24313	-151821.1413	1008217.3170250766	36.42683535342322	-101.3382185	299363.482626973	4303712.540882742	3246.058401737523	3153.965802263786	3037.945089311128	3037.818428248612	116.01999291524862	115.83223943974
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337	328	24317	-149181.1413	1008217.3170250766	36.4272480752057	-101.32885	300167.570901528	4303686.217935695	3207.234888575567	3147.70418365442	3036.1236562576105	3041.458927447595	111.5804621069374	106.2451099169401
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346	328	24326	-143241.1413	1008217.3170250766	36.428150229468	-101.3077709	301976.755004346	4303659.519018977	3140.785080732923	3134.06256026987	3030.4409310224473	3029.889127183238	103.6216055849934	104.17340941961311
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348	328	24328	-141921.1413	1008217.3170250766	36.42834573150175	-101.300686	302378.73998729	4303651.35509493	3141.693719358729	3131.155979177293	3028.733961201217	3028.733961201217	103.3776747	103.3776747
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351	328	24331	-139941.1413	1008217.3170250766	36.4286355904587	-101.2960602	302981.850410563	4303639.12087981	3140.361769755126	3126.894034	3038.47849934952	3035.80746782191	91.0865651855037	91.0865651855037
352	328	24332	-139281.1413	1008217.3170250766	36.42873130517096	-101.293781	303182.86964976595	4303635.48616052	3147.934066362436	3125.495653962139	3038.725758326715	3038.725758326715	89.485180350873	89.485180350873
353	328	24333	-138621.1413	1008217.3170250766	36.4288265674131	-101.291376	303383.887965287	4303630.972367115	3148.4912052753316	3124.1065226595195	3038.165320106926	3038.165320106926	88.943015882341	88.943015882341
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355	328	24335	-137301.1413	1008217.3170250766	36.42901573448505	-101.286917	303785.92193619	4303620.78630856	3154.00776045999	3121.393784708849	3037.76074383511	3037.76074383511	84.8227663454968	84.8227663454968
356	328	24336	-136641.1413	1008217.3170250766	36.4291109633146	-101.2843496	303986.942053830	4303618.744963617	3163.376580020261	3119.956519682642	3032.0669416697556	3031.70714551074	87.895970126915	89.18467417184092
357	328	24337	-135981.1413	1008217.3170250766	36.429203916734	-101.2820074	304187.959705296	4303614.66962102	3172.745379528982	3038.945298515445	3028.6664268903	3028.6664268903	86.42849404	86.42849404
358	328	24338	-135321.1413	1008217.3170250766	36.4292961	-101.2796653	304388.977411636	4303610.594502247	3171.114149062904	3117.190078865474	3025.6997439728843	3025.6997439728843	91.24413489275305	91.24413489275305
359	328	24339	-134661.1413	1008217.3170250766	36.4293883897676	-101.2773232	304588.999142349	4303606.5196012739	3182.258176071321	3115.8077077617324	3025.69161005996	3025.69161005996	91.8849207554232	91.8849207554232
360	328	24340	-134001.1413	1008217.3170250766	36.4294807339212	-101.274981	304791.0114859519	4303602.44495607	3190.076817918447	3114.41747504816	3020.403621328134	3022.101784416165	94.0180753720029	92.32056036316438
361	328	24341	-133341.1413	1008217.3170250766	36.4295737613395	-101.272681	304993.170168346	4303600.730316034	3194.743816162097	3112.743816162097	3020.403621328134	3022.101784416165	94.0180753720029	92.32056036316438
362	328	24342	-132681.1413	1008217.3170250766	36.429663563944	-101.270298	305193.4052716753	4303597.392830856	3121.785364917311	3111.644182383635	3021.500732142324	3021.500732142324	91.84531684011	91.84531684011
363	328	24343	-132											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BREVELogsKrg.ft	BREVEBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
438	328	242425	-7719.14133	100217.3170250766	36.43465500355855	-01.0758977	321876.78689456	4300256.929116839	391.385717350622	251.9359557812075	2913.6859594097155	2901.1710524323903	102.30998762355011	114.822545628831468
446	328	242426	-7724.14133	100217.3170250766	36.43457001853702	-01.0758977	321876.78689456	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	100.5944526895044	115.07617389505044
447	328	242427	-7568.14133	100217.3170250766	36.43436091469683	-01.0758977	321876.78689456	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	110.7171532578127	117.7171532578127
448	328	242428	-7592.14133	100217.3170250766	36.43438132	-01.0758977	322247.787031257	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	107.1956961485148	107.1956961485148
449	328	242429	-7526.14133	100217.3170250766	36.43438660159018	-01.066529	322680.7919355668	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
450	328	242430	-7601.14133	100217.3170250766	36.4343961377775	-01.0641686	322881.7913788176	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	102.4289949143362	102.4289949143362
451	328	242431	-7394.14133	100217.3170250766	36.4343961377775	-01.0641686	322881.7913788176	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
452	328	242432	-7328.14133	100217.3170250766	36.4343961377775	-01.0641686	322881.7913788176	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
453	328	242433	-7262.14133	100217.3170250766	36.4343961377775	-01.0641686	322881.7913788176	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
454	328	242434	-7196.14133	100217.3170250766	36.4343117504371	-01.0548181	322686.7925058066	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
455	328	242435	-7100.14133	100217.3170250766	36.4343961377775	-01.0524759	322886.7925058066	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
456	328	242436	-7064.14133	100217.3170250766	36.43436211685936	-01.0501338	324087.7920431367	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
457	328	242437	-6998.14133	100217.3170250766	36.4342632313437	-01.0477916	324288.7915553256	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
458	328	242438	-6932.14133	100217.3170250766	36.434311073428	-01.0454494	324489.790	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
459	328	242439	-6866.14133	100217.3170250766	36.4343672282024	-01.0431072	324890.79016101	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
460	328	242440	-6800.14133	100217.3170250766	36.43434052	-01.0416765	324891.78915974795	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
461	328	242441	-6743.14133	100217.3170250766	36.4343615144527	-01.0384229	325092.7878753458	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
462	328	242442	-6668.14133	100217.3170250766	36.43434975551126	-01.0360807	325293.7866511796	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
463	328	242443	-6602.14133	100217.3170250766	36.43435404608425	-01.0337385	325484.7851328888	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
464	328	242444	-6536.14133	100217.3170250766	36.43435881	-01.0313963	325695.78450674	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
465	328	242445	-6470.14133	100217.3170250766	36.43436327	-01.0290541	325896.781	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
466	328	242446	-6404.14133	100217.3170250766	36.434367595906	-01.0267119	326087.7785784576	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
467	328	242447	-6338.14133	100217.3170250766	36.434370578761	-01.024368	326288.7785784576	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
468	328	242448	-6272.14133	100217.3170250766	36.434370578761	-01.0220276	326489.790525982	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
469	328	242449	-6206.14133	100217.3170250766	36.43438064813254	-01.0196854	326700.77250214	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
470	328	242450	-6140.14133	100217.3170250766	36.43438064813254	-01.0173432	326901.769058349	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
471	328	242451	-6074.14133	100217.3170250766	36.4343896371857	-01.015001	327102.7668415672	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
472	328	242452	-6008.14133	100217.3170250766	36.434392090369	-01.0126589	327303.7630911755	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
473	328	242453	-5942.14133	100217.3170250766	36.434392090369	-01.0103619	327504.7630911755	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
474	328	242454	-5876.14133	100217.3170250766	36.434392090369	-01.0079178	327705.753407503	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
475	328	242455	-5801.14133	100217.3170250766	36.4343705327028	-01.0056323	327906.75805327	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
476	328	242456	-5744.14133	100217.3170250766	36.4343705327028	-01.0032901	328107.7510260474	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
477	328	242457	-5678.14133	100217.3170250766	36.43437132389075	-01.0009479	328308.742	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
478	328	242458	-5612.14133	100217.3170250766	36.4343710913802	-0.9986057	328509.74219620496	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
479	328	242459	-5546.14133	100217.3170250766	36.4343705327028	-0.9962636	328710.737692399	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
480	328	242460	-5480.14133	100217.3170250766	36.43437132389075	-0.9939214	328911.733223239	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
481	328	242461	-5414.14133	100217.3170250766	36.4343705327028	-0.9915972	329112.7290873106	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
482	328	242462	-5348.14133	100217.3170250766	36.43437132389075	-0.989327	329313.7243536594	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
483	328	242463	-5282.14133	100217.3170250766	36.434375184593	-0.9869848	329514.751875853	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
484	328	242464	-5216.14133	100217.3170250766	36.434373802854	-0.9845526	329715.7148420314	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
485	328	242465	-5150.14133	100217.3170250766	36.434373802854	-0.9822104	329916.709284515	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
486	328	242466	-5084.14133	100217.3170250766	36.4343746420138	-0.9795813	330117.703921428	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
487	328	242467	-5018.14133	100217.3170250766	36.4343746420138	-0.9772417	330318.703921428	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
488	328	242468	-4952.14133	100217.3170250766	36.4343732374293	-0.9751983	330519.6968967195	4300252.87384435	391.5202872418684	251.93426145776404	2909.46024047894	2913.942145776404	103.9315234816894	103.9315234816894
489	328	242469												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt	BR ElevKgr.ft	BR ElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
571	322551	5258.858673073351		100217.3170250766	36.4387925772635	-100.7807819	347201.66620123293	4389747.765178985	2884.7663365959276	2771.4294161988573	2743.9458351424782	2742.5506027325283	2748.88105637908	28.87881342329025
572	322552	5259.858673073351		100217.3170250766	36.4387874755944	-100.7784397	347402.647400312124	438973.749	2879.79124400518	2770.3350241286253	2748.4684804045311	2748.3525604393210	20.86654306433667	21.98246363303189
573	322553	5278.858673073351		100217.3170250766	36.43876446143874	-100.7609783	347803.6284521034	4389730.7112148187	2874.8159151452738	2769.3494860471987	2768.382295474792	2758.76861763891	8.987105928335693	0
574	322554	5238.858673073351		100217.3170250766	36.4387797247584	-100.7737532	347804.60935681395	4389735.65062317	2869.8407859806996	2768.4687765582	2769.057657226597	2768.898052835808	0	0
575	322555	7898.858673073351		100217.3170250766	36.4387753564876	-100.7714131	348005.5901146466	4389731.660080085	2860.05241440996	2767.685792672254	2777.417650941388	2770.8566729230414	0	0
576	322556	8558.858673073351		100217.3170250766	36.438768940209	-100.7690709	348206.5707	4389727.34279487	2845.451061799995	2766.90088	2783.32593325453	2783.905393314007	0	0
577	322557	9218.858673073351		100217.3170250766	36.4387627999028	-100.7667287	348407.551950806	4389730.849125	2830.848902157002	2766.3724132593	2784.9107526452235	2785.66729230414	0	0
578	322558	9878.858673073351		100217.3170250766	36.43877563	-100.7643865	348608.5315	4389739.58399125	2816.24845215005	2765.818322763145	2779.519025021285	2780.66744046822	0	0
579	322559	10538.858673073351		100217.3170250766	36.4387495419784	-100.7620443	348809.511681334	4389735.558447357	2812.0448964971258	2765.789893898	2788.766445874197	2788.7316814673815	0	0
580	322560	11198.858673073351		100217.3170250766	36.43874180251098	-100.7597021	349010.4917077818	4389711.533621176	2824.233071015728	2764.86112932185	2788.60981860579	2788.14583	6.28083072	6.712979031251047
581	322561	11858.858673073351		100217.3170250766	36.4387338953425	-100.7573599	349211.4178878684	4389707.50020583	2823.434174125923	2764.441241728736	2782.417120830273	2781.589807115634	10.204120614666286	12.5813541130247
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583	322563	13178.858673073351		100217.3170250766	36.4387167329118	-100.7526755	349613.4093144669	4389706.40496107	2835.4310337372877	2763.88227	2751.331676222095	2751.466385590053	12.535631322458495	0
584	322564	13838.858673073351		100217.3170250766	36.4387075	-100.7503333	349814.01403596704	438966.435672209	2838.84201732227	2763.340001497536	2754.210109740821	2754.210109740821	9.13289049	9.058215603
585	322565	14488.858673073351		100217.3170250766	36.438697573308	-100.749911	350015.389606009	4389691.413	2842.252970378837	2762.99195276583	2768.076112984432	2758.36610255999	4.923606273433506	4.923606273433506
586	322566	15158.858673073351		100217.3170250766	36.4386875909004	-100.7482938	350216.3818158497	4389687.39040105	2845.463939	2762.674044671405	2762.018663383743	2762.473102367928	0.56278336766232	0.2018423072127007
587	322567	15818.858673073351		100217.3170250766	36.43867697179154	-100.7433067	350417.3427872236	4389683.36137517	2849.990563410747	2762.356070917275	2764.753562715266	2765.18313294856	0	0
588	322568	16478.858673073351		100217.3170250766	36.4386659002018	-100.7409645	350618.3267943054	4389679.343130022	2855.234022790579	2762.038511	2765.1988119296235	2765.524251051412	0	0
589	322569	17138.858673073351		100217.3170250766	36.4386547362879	-100.7386224	350819.3055174834	4389675.32	2860.4708923605	2761.720437158548	2763.218456	2762.8642867630035	0	0
590	322570	17798.858673073351		100217.3170250766	36.4386423996049	-100.7362802	351020.284069648	4389671.297763047	2861.3902133581528	2761.3902133581528	2760.334176	2758.79493906737	1.0677307159642123	2.604220251117126
591	322571	18458.858673073351		100217.3170250766	36.4386307908318	-100.733938	351221.265236286	4389667.25741804	2872.615961468327	2761.074020914174	2757.539543272192	2757.539543272192	7.925437799453093	7.925437799453093
592	322572	19118.858673073351		100217.3170250766	36.4386170893696	-100.7319588	351422.2406251132	4389662.352968052	2881.164507	2760.743597941135	2755.0328465571106	2755.0328465571106	5.70021614242951	14.907577860172296
593	322573	19778.858673073351		100217.3170250766	36.438603215185	-100.729259	351625.219793305	4389658.219793305	2889.712677965414	2760.830926711738	2752.4737937921014	2752.4737937921014	9.0494922	20.26324219837823
594	322574	20438.858673073351		100217.3170250766	36.4385968956767	-100.7269114	351824.1860966546	4389655.209734973	2898.26156854007	2760.05995526008	2750.816770502993	2752.9651117393174	9.233749023012435	7.0644378673031
595	322575	21098.858673073351		100217.3170250766	36.4385757	-100.7245692	352025.1748442034	4389651.188291627	2901.19696404736	2759.820093785902	2749.2023474790573	2749.2023474790573	4.8794888846676	8.18404125469676
596	322576	21758.858673073351		100217.3170250766	36.438561	-100.722227	352226.15265518486	4389647.1608127	2895.45871297179	2759.28438879045	2747.678058356472	2749.269494068337	11.616280525733907	10.02944810691522
597	322577	22418.858673073351		100217.3170250766	36.4385458947171	-100.7198848	352427.1301	4389643.1608127	2890.7407225591847	2758.884204991847	2745.6669447272466	2748.021029103741	11.616280525733907	10.02944810691522
598	322578	23078.858673073351		100217.3170250766	36.4384302983184	-100.7175426	352628.107030997	4389638.12531427	2886.022663066566	2758.48010462633	2746.94332006576	2746.94332006576	14.444678367059169	11.50450510604992
599	322579	23738.858673073351		100217.3170250766	36.4384162494306	-100.7142938	352829.0687722881	4389634.17722881	2884.405173389025	2757.867147712438	2746.94332006576	2746.94332006576	14.444678367059169	11.50450510604992
600	322580	24398.858673073351		100217.3170250766	36.4384074805375	-100.7126256	353023.062077891	4389630.4845659	2885.8804923907347	2757.166377031045	2746.94332006576	2746.94332006576	15.81548339885168	14.0354373411006
601	322581	25058.858673073351		100217.3170250766	36.4384079418696	-100.710516	353231.0390389225	4389627.04653077	2887.3711312120434	2756.94508235012	2740.380677052473	2741.795139514764	16.58844052967474	15.15119147957899
602	322582	25718.858673073351		100217.3170250766	36.438403873156	-100.7081738	353432.0150987364	4389623.04403737	2888.85412994058	2756.36925891318	2738.921365227483	2740.110294514594	14.4737894586698	16.2586134668578
603	322583	26378.858673073351		100217.3170250766	36.43839542589685	-100.7058316	353632.962378439	4389619.02486042	2891.080148213984	2755.745934	2737.441603	2738.77194179926	17.308433094127011	17.36814101774371
604	322584	27038.858673073351		100217.3170250766	36.438427176532	-100.7034894	353833.9622580067	4389610.0545808	2893.0508857199	2755.0698587016	2735.79944238374	2736.717164729392	18.20413472236452	18.3582151408715
605	322585	27698.858673073351		100217.3170250766	36.4384004536302	-100.7011474	354034.9456730683	4389610.98625884	2897.021665760317	2755.032579561737	2734.088139654307	2734.088139654307	20.26713549769143	19.478128138215804
606	322586	28358.858673073351		100217.3170250766	36.438398271518	-100.699051	354235.219793305	4389608.219793305	2899.712677965414	2754.4737937921014	2752.4737937921014	2752.4737937921014	22.6095914695148	20.62263833459941
607	322587	29018.858673073351		100217.3170250766	36.43836956871	-100.6964629	354406.884183093	4389603.94554224	2901.059576062037	2752.67489783941	2730.88985223972	2730.88985223972	23.23508571519494	21.32508571519494
608	322588	29678.858673073351		100217.3170250766	36.4383484742764	-100.6941207	354637.8741720715	4389598.30041066	2902.047103040537	2751.742193023591	2728.409005058056	2729.390908163373	23.23511246055378	22.3521402725364
609	322589	30338.858673073351		100217.3170250766	36.438328736487	-100.6917785	354838.850592159	4389594.91753245	2902.047263943047	2750.736994478564	2726.486010049797	2727.413331067	25.2509931253307	23.3284807750956
610	322590	30998.858673073351		100217.3170250766	36.4383078473811	-100.6894363	355039.825806508	4389590.8396075	2903.8515658548	2749.657202681167	2742.850634811678	2742.250218010194	24.80665763643871	25.4546843800727
611	322591	31658.858673073351		100217.3170250766	36.438298366245	-100.6870941	355240.8014134345	4389588.97855381	2901.647782471686	2748.5042249621	2740.970467218921	2740.970467218921	25.2509931253307	25.2509931253307
612	322592	32318.858673073351		100217.3170250766	36.4382944373886	-100.6847619	355441.76881157137	4389582.85841935	2906.943470334565	2747.269187049237	2740.896526854135	2741.1333042040095	26.3728405010056	26.1361547863301
613	322593	32978.858673073351		100217.3170250766	36.438286142348	-100.682493	355642.829779547	4389578.2549384	2912.047263943047	2746.94332006576	2738.921365227483	2738.921365227483	27.40645338170418	26.62263833459941
614	322594	33638.858673073351		100217.3170250766	36.43826192174223	-100.680075	355843.727400842	4389574.83031992	2913.53581696977	2744.500436013737	2736.96877704296	2736.96877704296	27.40645338170418	27.1772351119946
615	322595	34298.858673073351		100217.3170250766	36.43819582871	-100.6777253	356044.7025	4389569.80067508	2917.388954741074	2743.126993586924	2735.1099878012424	2735.1099878012424	28.0170057545008	27.719738202487

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.f	BRIElevBothKrg.f	SurfElevLogsKrg.f	SurfElevBoth.f
69	32	242677	88418.85867307335	1008217.310250766	36.43474746413037	-100.4856664	37252.2406881566	4389242.183793134	2640.899507383918	25.15,1480696317817	2583.245741294377	2582.861416694966	31.902283373404924	32.28665294
698	328	242678	88078.85867307335	1008217.310250766	36.4344685962712	-100.4833242	372725.168894573545	438928.285534487	2641.9047876791767	25.163,47677213453	2582.1003494849425	2581.961722941567	31.2874372399048	31.506551914296324
699	328	242679	88788.85867307335	1008217.310250766	36.4343622986714	-100.4809821	372926.1338994946	438931.781480723	2640.901288758945	25.161,68982697835	2581.95588494533	2581.95588494533	30.1338126953230685	30.15287653230685
700	328	242680	90398.85867307335	1008217.310250766	36.4343654587618	-100.4786239	373127.00710908413	438933.185660477	2637.8890132779175	25.069,76714158453	2582.1001176956827	2580.113916416745	29.6449720147045	29.64476251679823
701	328	242681	91058.85867307335	1008217.310250766	36.4343746838476	-100.4762577	373328.0610077229	438932.192	2634.87673779718	25.073,732363038995	2577.48665257538	2577.483548593966	30.23459774636147	30.2497144093295
702	328	242682	91718.85867307335	1008217.310250766	36.4344376913253	-100.4739556	373529.2047648322	438932.149695101	2631.864462317795	25.065,610036051812	2574.5274921304167	2574.469218513576	31.140817523036066	31.140817523036066
703	328	242683	92378.85867307335	1008217.310250766	36.4344376838476	-100.4716134	373729.9884	438932.187594002	2628.82898881829	25.063,399758676347	2571.7557839670967	2571.7685858600585	31.31669353063793	31.31669353063793
704	328	242684	93038.85867307335	1008217.310250766	36.43431102396335	-100.4692712	373930.9519780424	438932.142066738	2626.72713714895956	25.061,1271595956	2568.170246862924	2568.237895904123	32.364991269317422	32.88926365194311
705	328	242685	93698.85867307335	1008217.310250766	36.4343047071159064	-100.4668291	374131.9152844965	438932.1020383026	2617.7116469789674	25.058,94086295607	2564.7237440430971	2563.8222225114473	30.1533889162865	30.1533889162865
706	328	242686	94358.85867307335	1008217.310250766	36.43418254676704	-100.4645889	374332.9786902556	438932.067451568	2625.6529740705321	25.056,632556250293	2558.334794436014	2558.633545454273	30.80987748142773	30.9981108406135
707	328	242687	95018.85867307335	1008217.310250766	36.43411176293123	-100.4622447	374533.84186775243	438932.021209344	2625.62549077865127	25.052,621121703502	2552.60014383687	2552.6022738510044	42.08379937616555	42.08379937616555
708	328	242688	95678.85867307335	1008217.310250766	36.4340525946771	-100.4599026	374734.8042953073	438931.981585566	2624.1329547399819	25.053,240975055714	2546.0644901670144	2545.400727255716	47.1764848886993	47.84072233
709	328	242689	96338.85867307335	1008217.310250766	36.43403864371412	-100.4575804	374935.767630222	438931.942386221	2622.805488211992	25.052,384266822154	2544.7610244126584	2544.352734783541	47.262322659478	48.0015218987458
710	328	242690	96998.85867307335	1008217.310250766	36.4340320163347	-100.4552182	375136.7002163347	438931.9024	2618.74709047652	25.051,9180107563457	2544.192308396247	2544.192308396247	47.1764848886993	47.1764848886993
711	328	242691	97658.85867307335	1008217.310250766	36.4339853495079	-100.4526781	375337.69383191574	438931.862468812	2619.5330625825654	25.051,632495625055	2541.72504330632	2541.7943504800082	49.8992699141862	49.8992699141862
712	328	242692	98318.85867307335	1008217.310250766	36.434378625520904	-100.450339	375538.659932354	438931.822334734	2616.961585228162	25.051,80774517864	2538.572604857778	2538.583575406391	52.80816961186184	52.79739111572304
713	328	242693	98978.85867307335	1008217.310250766	36.4343718623037	-100.4481197	375759.8164206795	438931.782343036	2614.95243630554	25.051,12840933914	2536.1858250309095	2536.154478536897	54.94311559548193	54.94746160401746
714	328	242694	99638.85867307335	1008217.310250766	36.4343505383065	-100.4458496	375940.5808	438931.742375736	2611.823502302935	25.050,841286295657	2534.68013387367	2534.7051459529687	56.15497591	56.1361304307638
715	328	242695	100298.85867307335	1008217.310250766	36.4343582001745	-100.4435074	376141.54299715813	438931.70249	2610.223683895854	25.050,50382456995	2532.769032771617	2532.4084809505695	57.7340056880779	57.545513295318774
716	328	242696	100958.85867307335	1008217.310250766	36.43435130113784	-100.4411653	376342.502057041	438931.665207288	2609.593089221154	25.050,10960622834	2528.0645545873763	2528.44704957422	60.7540057901769	61.662556701769
717	328	242697	101618.85867307335	1008217.310250766	36.4343435692118	-100.4388231	376543.467196675	438931.621068108	2608.962494541183	25.049,654425	2527.129398316237	2527.308550268212465	62.52506286212465	62.54587317621464
718	328	242698	102378.85867307335	1008217.310250766	36.4333757465569	-100.4364809	376744.4290742384	438931.582672878	2607.33189967171	25.049,336866774	2525.951171303019	2524.457646276556	65.19553765494	65.9890404011859
719	328	242699	103038.85867307335	1008217.310250766	36.4333747324565	-100.4343687	376945.4273273292	438931.54273273292	2606.1234497182384	25.049,26525069898	2524.457646276556	2524.457646276556	67.19553765494	67.19553765494
720	328	242700	103598.85867307335	1008217.310250766	36.4333235273539	-100.4317968	377146.35245581293	438931.502401461	2628.582103700086	25.049,178305616	2527.608839727027	2528.652943119952	69.3303143381342	69.2592518565413
721	328	242701	104258.85867307335	1008217.310250766	36.43331612757524	-100.4294545	377347.3138824059	438931.4622879418	2626.256310510036	25.049,2119248473	2527.61718476376473	2527.61718476376473	69.6692091887563	69.6692091887563
722	328	242702	104918.85867307335	1008217.310250766	36.4330895711899	-100.4271123	377548.27530405925	438931.424213121	2626.006793	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
723	328	242703	105638.85867307335	1008217.310250766	36.4330371414186	-100.4247701	377749.2368634517	438931.3817041505	2625.86582847796	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
724	328	242704	106238.85867307335	1008217.310250766	36.433249448	-100.4224238	377950.1975565632	438931.343030212	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
725	328	242705	106938.85867307335	1008217.310250766	36.433249448	-100.4202688	378151.1539	438931.3017110569	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
726	328	242706	107558.85867307335	1008217.310250766	36.433249448	-100.4181197	378352.1195551637	438931.253125269	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
727	328	242707	108218.85867307335	1008217.310250766	36.4332742611898	-100.4154015	378553.0806039035	438931.2233342045	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
728	328	242708	108878.85867307335	1008217.310250766	36.433249448	-100.4130593	378754.0143913162	438931.184127407	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
729	328	242709	109538.85867307335	1008217.310250766	36.433249448	-100.4107172	378955.002	438931.1430518457	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
730	328	242710	110198.85867307335	1008217.310250766	36.433249448	-100.408375	379155.9624672637	438931.103426553	2625.884100905547	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
731	328	242711	110858.85867307335	1008217.310250766	36.433249448	-100.4060329	379356.92282316857	438931.0638652483	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
732	328	242712	111518.85867307335	1008217.310250766	36.433249448	-100.403697	379557.9803205437	438931.027372352	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
733	328	242713	112178.85867307335	1008217.310250766	36.433249448	-100.4013468	379758.8421955615	438930.987700705	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
734	328	242714	112838.85867307335	1008217.310250766	36.433249448	-100.3990064	379959.8032419117	438930.94307	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
735	328	242715	113498.85867307335	1008217.310250766	36.433249448	-100.3966643	380160.7631053614	438930.9044734825	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
736	328	242716	114158.85867307335	1008217.310250766	36.433249448	-100.3943211	380361.722449477	438930.861705313	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
737	328	242717	114818.85867307335	1008217.310250766	36.43319597053802	-100.3919918	380562.6826209834	438930.824808448	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
738	328	242718	115478.85867307335	1008217.310250766	36.433188076115434	-100.3896338	380763.6421938833	438930.784391755	2624.913584850057	25.049,673543293077	2527.608839727027	2527.608839727027	69.6692091887563	69.6692091887563
739	328	242719	116138.85867307335	1008217.310250766	36.433188076115434	-100.3873057	380964.6826209834	438930.744837129	2624.913584850057	25.049,673543293077	2527.608839727027			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.f	BREIEvBothKrg.f	SatThvLogs.f	SatThvBoth.f
83	329	242803	-316821.1413	1008877.3170250766	36.4048036844066	-101.9237475	249105.4014274097	4391941.172962695	3656.5170563531515	3454.6756727292978	3401.439116793235	3400.682231711875	53.2365454660425	53.9933650540258
84	329	242804	-316161.1413	1008877.3170250766	36.4050206573041	-101.9214056	249306.4786319984	4391937.934088805	3645.0131186122948	3453.629672448789	3399.361160026147	3398.530160569878	54.26017239617458	55.09971187891142
85	329	242805	-315561.1413	1008877.3170250766	36.404532378603	-101.919837	248907.5560303322	4391932.992244384	3645.8491814222098	3446.2730922431678	3396.748978451739	3396.200057417457	53.983658683213	56.38171551306574
86	329	242806	-314841.1413	1008877.3170250766	36.40454532458948	-101.9161728	249103.932192028	4391928.579769964	3650.031431305088	3451.536805510888	3393.8240320058947	3393.531043104878	54.71871052059683	58.31711751306574
87	329	242807	-314181.1413	1008877.3170250766	36.40566886158744	-101.9143799	249909.7088808967	4391924.622447317	3619.240275721055	3450.4887544464104	3390.193015813963	3388.263300348938	60.2956485324471	62.22545407472266
88	329	242808	-313521.1413	1008877.3170250766	36.4054804287775	-101.9120379	250110.7860096147	4391920.485389485	3625.215627293103	3449.438436254349	3386.775928171046	3384.91711081456	64.6235145424449	64.522232324
89	329	242809	-312861.1413	1008877.3170250766	36.4060879357646	-101.909996	250311.86218421566	4391893.266346398	3631.190529329188	3448.389226048527	3383.827151583126	3381.727226406125	64.6520745624126	66.61699967801405
90	329	242810	-312201.1413	1008877.3170250766	36.4063129942486	-101.9073541	250512.9381	4391912.214668118	3637.1654313508257	3447.339500387986	3380.564072008211	3377.82473706412	66.7183009798773	69.5511678991142
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92	329	242812	-310881.1413	1008877.3170250766	36.40657402	-101.9030270	250915.0892783314	4391893.93465539	3654.217796530716	3445.2114607748077	3373.96891346611976	3373.067857193118	72.1245472827100	72.14380372050656
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94	329	242814	-309561.1413	1008877.3170250766	36.40716550414304	-101.8979864	251317.2393585738	4391895.66781684	3673.026975772956	3443.05731435132	3369.317815436138	3368.660009	73.739519999382	74.3973226399201
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127	329	242847	-287781.1413	1008877.3170250766	36.									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevKgr.ft	BR/ElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
209	329	242929	-233661.1413	1008877.3170250766	36.42679548281424	-01.628658	774439.271	4391421.5950330294	3496.8483098961005	33.3104064552035	3210.73149037742227	3213.086420813278	3214.57891607778083	322.222398564192554
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211	329	242931	-232841.1413	1008877.3170250766	36.426794865960384	-01.6263916	774841.3663740052	4391492.3719923536	3492.3901048941025	33.33164387166247	3210.18078783627287	3214.043571662947	3219.94501330440517	118.12126544717694
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214	329	242934	-230361.1413	1008877.3170250766	36.426793479501846	-01.6169454	775444.50780291134	4391401.0518875116	3492.1719427041116	33.329494742929624	3209.8401544920694	3216.558447137837	3217.9179204782694	118.00906830089303
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217	329	242937	-228381.1413	1008877.3170250766	36.426796465960384	-01.6099169	776047.6742148406	4391388.728761167	3494.20821385695	33.3264342371852	3206.73328	3218.918794896892	3217.9179204782694	118.00906830089303
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220	329	242940	-226401.1413	1008877.3170250766	36.43031423886873	-01.6028929	776650.7847	4391376.407683753	3490.554604824964	33.32291737258948	3198.406748788181	3224.97029763975	3217.9179204782694	97.9470783
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222	329	242942	-225081.1413	1008877.3170250766	36.43063727622064	-01.5982087	777052.87323612787	4391368.194775805	3483.99222180814	33.320526911540266	3193.1686455673068	3217.13935850671983	3217.9179204782694	122.7623963960504
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238	329	242958	-214521.1413	1008877.3170250766	36.4330348404953	-01.5607253	780069.6896295	4391302.5441981	3443.615247199127	33.3008777998127	3174.742677710095	3179.9634030897522	3217.9179204782694	122.7623963960504
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241	329	242961	-212541.1413	1008877.3170250766	36.4334740223312	-01.5537309	780672.691812619	4391290.217720105	3438.553023466746	33.296984881	3173.054179883696	3176.10490383655	3217.9179204782694	122.7623963960504
242	329	242962	-211881.1413	1008877.3170250766	36.4336195112136	-01.5513669	780873.732623301	4391286.11603435	3437.0250307102624	33.29587313	3172.095740199297	3174.8666098276954	3217.9179204782694	122.7623963960504
243	329	242963	-211221.1413	1008877.3170250766	36.4337654731908	-01.5490248	781074.732187316	4391282.014	3435.685596119593	33.29453206789395	3171.0564403748504	3173.802622408504	3217.9179204782694	122.7623963960504
244	329	242964	-210561.1413	1008877.3170250766	36.4339123161684	-01.5466927	781275.4135911116	4391278.1015558	3434.532147168452	33.2932016557115	3170.317325510147	3172.76924102507	3217.9179204782694	122.7623963960504
245	329	242965	-209901.1413	1008877.3170250766	36.4340576321924	-01.544305	781476.8536657946	4391274.81027405	3433.3818527307	33.29192367162705	3169.53282959389	3171.67015176452	3217.9179204782694	122.7623963960504
246	329	242966	-209241.1413	1008877.3170250766	36.434196424704	-01.5419984	781677.8938	4391269.7121926	3432.250210022614	33.2901428053548	3168.395865597374	3170.34597238372	3217.9179204782694	122.7623963960504
247	329	242967	-208581.1413	1008877.3170250766	36.434304168844	-01.5396563	781878.933519291	4391265.05597795	3430.6475806672	33.28869475806672	3166.7460215119577	3169.528962604093	3217.9179204782694	122.7623963960504
248	329	242968	-207921.1413	1008877.3170250766	36.4344822439835	-01.5373142	782079.937041592	4391261.01002256	3428.16756373621	33.28723451681214	3165.76904051523	3167.979481719304	3217.9179204782694	122.7623963960504
249	329	242969	-207261.1413	1008877.3170250766	36.434625664661	-01.5349721	782281.01238276	4391257.41003236	3426.97510820395	33.286104312192573	3164.668010720047	3217.9179204782694	122.7623963960504	122.7623963960504
250	329	242970	-206601.1413	1008877.3170250766	36.4347671338874	-01.53263	782482.051476709	4391253.31009473	3425.5544554092	33.28420447489014	3162.737822593054	3164.729981789064	3217.9179204782694	122.7623963960504
251	329	242971	-205941.1413	1008877.3170250766	36.434908485953	-01.5303074	782683.194738154	4391249.14367718	3424.42754095192	33.28294740951218	3161.743651120416	3162.737822593054	3217.9179204782694	122.7623963960504
252	329	242972	-205281.1413	1008877.3170250766	36.435049145658	-01.527958	782884.1290428352	4391245.111	3423.5544554092	33.28167740404617	3160.7598	3217.9179204782694	122.7623963960504	122

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatHLogKrg.f	SatHBoth.f	
329	324305	-150501.1413			1008877.3170250766	36.44457122554154	-101.3335476	299769.6150520511	4309305.6498585285	3321.352079	341.88111252643643	3037.4072904335826	3041.430661841292	112.4348348378173	108.42026342037236
336	329	243056	-149641.1413		1008877.3170250766	36.44457251223838	-101.3312054	299970.6362538337	4309301.569369148	3227.6360421911745	3148.2844441291745	3036.66631781569314	3041.83436333025936	108.4406991385936	108.4406991385936
337	329	243057	-149181.1413		1008877.3170250766	36.44457717667374	-101.3281368	300173.6578198317	4309877.480363078	3223.920240099642	3146.225846418337	3036.666306252176	3041.841192765357	108.435892592701	108.435892592701
338	329	243058	-148521.1413		1008877.3170250766	36.44457976855353	-101.326521	300372.67869896137	4309834.4003423037	3033.2863625023	3145.1761351089513	3033.3813728783584	3042.137611249657	108.476923059282	103.038173939451
339	329	243059	-147861.1413		1008877.3170250766	36.4445813680144	-101.3241788	300573.6997866894	4309889.23978644	3124.655641083113	3143.6367610078273	3034.901787692306	3040.556704898076	108.734881238567	103.080561097567
340	329	243060	-147201.1413		1008877.3170250766	36.4445826149658	-101.3218367	300774.7208192525	4309855.25032751	3119.073546017633	3142.106941561717	3034.674650494976	3040.31371373002	107.4322561176954	101.793228188715
341	329	243061	-146541.1413		1008877.3170250766	36.444583204375	-101.3194945	300975.740819851	4309881.171	3186.993310716746	3140.58466905117	3033.725914418607	3038.815686	105.852074632546	101.76898018717735
342	329	243062	-145881.1413		1008877.3170250766	36.44458833	-101.3171523	301176.7618210516	4309927.02256238	3174.453123607267	3139.069495860748	3034.916081056565	3037.099217881859	104.15427755028225	101.97071797888859
343	329	243063	-145221.1413		1008877.3170250766	36.4445932635814	-101.3148101	301377.7618719837	4309873.0135347785	3146.46240099642	3146.225846418337	3036.666306252176	3041.841192765357	108.435892592701	108.435892592701
344	329	243064	-144561.1413		1008877.3170250766	36.4445925779718	-101.3124679	301578.8013155072	4309868.93504108	3157.021805547419	3136.063280452493	3034.901787692306	3040.556704898076	101.072375	100.7485018511063
345	329	243065	-143901.1413		1008877.3170250766	36.44461814625223	-101.3101258	301791.82105329613	4309845.56774987	3145.581321068407	3134.5728369735657	3034.6959721744443	3034.257739	99.8769479912145	100.31508918718576
346	329	243066	-143241.1413		1008877.3170250766	36.44627989459216	-101.3077836	301980.8405630545	4309876.73787322	3142.14076151549406	3133.100678904373	3034.57173700233	3033.80600601126	98.5233619	99.294618842519
347	329	243067	-142581.1413		1008877.3170250766	36.44637787418145	-101.3054414	302181.858996888	4309856.70026198	3138.31902039918	3133.644223309918	3035.432676240567	3034.329247	96.2154762040797	97.3146732040797
348	329	243068	-141921.1413		1008877.3170250766	36.44644754012895	-101.3030992	302382.87903730525	4309852.63343406	3138.696907126153	3130.202460198192	3036.949710692118	3035.5710021119693	93.61759250880929	94.63125806822772
349	329	243069	-141261.1413		1008877.3170250766	36.44647247916284	-101.300757	302583.8979842094	4309848.54988342	3138.894027395334	3128.774341298202	3036.666326224967	3037.099217881859	90.16607500327153	91.7670406622133
350	329	243070	-140601.1413		1008877.3170250766	36.446496090614	-101.2984148	302784.741671739084	4309844.68080907	3138.06441	3127.35795866145	3040.154898476356	3038.29877908894	87.203073907962	89.0001678
351	329	243071	-139941.1413		1008877.3170250766	36.446476526772514	-101.2960728	302885.932666518	4309840.3911366	3138.641286070484	3125.9547454862195	3041.4355237506184	3039.2952367767	85.1922173560115	86.6590871254245
352	329	243072	-139281.1413		1008877.3170250766	36.4466060849006	-101.2937304	303186.9536655117	4309835.31259432	3137.600872736313	3124.56117611064	3039.083030317367	3041.4355237506184	84.57802459342702	85.1922173560115
353	329	243073	-138621.1413		1008877.3170250766	36.446605496066	-101.2913833	303387.971841828	4309832.23845197	3136.572048402143	3123.768577029984	3041.939213507211	3039.880900264805	81.2376442	83.1959574391309
354	329	243074	-137961.1413		1008877.3170250766	36.44670511	-101.2890461	303588.986247624	4309828.16262844	3135.03596596795	3121.789382354526	3040.778704354256	3038.890726734356	81.0196882	82.967668082094
355	329	243075	-137301.1413		1008877.3170250766	36.44671452155896	-101.2867039	303790.076155223	4309824.087	3140.098219096052	3138.68024341668	3038.68024341668	3038.932525397774	81.73597748554039	83.4864764473096
356	329	243076	-136641.1413		1008877.3170250766	36.4467235288117	-101.2843617	303981.02521413143	4309820.011	3140.526858799558	3139.040168433024	3038.57188447936	3039.329025761087	84.167239544927	84.7011315592446
357	329	243077	-135981.1413		1008877.3170250766	36.4467332765814	-101.282038	304183.042621835814	4309815.835	3140.41874987969	3138.68024341668	3038.932525397774	3038.932525397774	84.8365143421462	85.1922173560115
358	329	243078	-135321.1413		1008877.3170250766	36.4467457585653	-101.2796773	304393.0598360626	4309801.786003146	3140.57619551498	3116.282797934573	3029.33866813927	3028.438995679385	85.8458239750431	87.78969013548084
359	329	243079	-134661.1413		1008877.3170250766	36.4467518356721	-101.2773531	304594.078660922	4309807.74809196	3137.6159379134986	3114.802538782262	3026.158777	3025.76277136271608	85.1922173560115	87.78969013548084
360	329	243080	-134001.1413		1008877.3170250766	36.44676104329906	-101.2749529	304795.0936933897	4309803.70110307	3137.5276905193277	3113.5203801271534	3022.6226185932533	3023.591205485867	85.8458239750431	87.78969013548084
361	329	243081	-133341.1413		1008877.3170250766	36.446770207782955	-101.2726507	304996.103352951	4309809.6345738	3136.1953490136625	3112.1356070486616	3021.6313858965337	3021.6313858965337	85.8458239750431	87.78969013548084
362	329	243082	-132681.1413		1008877.3170250766	36.446779327018284	-101.2703085	305197.1267712231	4309795.5610198	3035.347143280117	3110.747599163698	3020.097437688258	3019.258817029454	85.1922173560115	87.78969013548084
363	329	243083	-132021.1413		1008877.3170250766	36.4467884729162	-101.2678663	305498.48824249	4309791.488624249	3137.71682955136	3109.3673032446565	3018.6736171688257	3018.6736171688257	85.8458239750431	87.78969013548084
364	329	243084	-131361.1413		1008877.3170250766	36.44679742374379	-101.2654241	305897.747942374379	4309791.488624249	3137.71682955136	3109.3673032446565	3018.6736171688257	3018.6736171688257	85.8458239750431	87.78969013548084
365	329	243085	-130701.1413		1008877.3170250766	36.446804613233916	-101.2632189	305800.174998772	4309783.39	3029.354868568337	3105.584896544819	3017.88457312873	3014.5751456936375	85.8458239750431	87.78969013548084
366	329	243086	-130041.1413		1008877.3170250766	36.446841535	-101.2609397	306001.1906829024	4309782.76786647	3121.0733688018584	3105.204859427042	3017.18868018584	3014.5751456936375	85.8458239750431	87.78969013548084
367	329	243087	-129381.1413		1008877.3170250766	36.4468244446886	-101.2589575	306202.260189929	4309775.19252988	3120.04466071872	3104.8279659036616	3016.760599461506	3014.332573232647	85.8458239750431	87.78969013548084
368	329	243088	-128721.1413		1008877.3170250766	36.4468330921364	-101.2562553	306403.22150114726	4309771.14999502	3120.04466071872	3104.8279659036616	3016.760599461506	3014.332573232647	85.8458239750431	87.78969013548084
369	329	243089	-128061.1413		1008877.3170250766	36.44684189479594	-101.2539131	306604.23662307967	4309767.04689721	3122.648833	3110.0147306263742	3016.1490418918065	3012.363840419585	85.8458239750431	87.78969013548084
370	329	243090	-127401.1413		1008877.3170250766	36.4468495	-101.2517223	306805.251553203	4309762.91412213	3122.648833	3110.0147306263742	3016.1490418918065	3012.363840419585	85.8458239750431	87.78969013548084
371	329	243091	-126741.1413		1008877.3170250766	36.446857356967	-101.2492827	307062.266299862	4309758.901775499	3123.119305163038	3098.3232521247056	3014.9261619200048	3011.1678587428324	85.8458239750431	87.78969013548084
372	329	243092	-126081.1413		1008877.3170250766	36.4468683070771	-101.2468955	307207.280551914	4309754.8295562	3123.03941299377	3096.9510670421864	3014.98514563622	3010.983158	85.8458239750431	87.78969013548084
373	329	243093	-125421.1413		1008877.3170250766	36.4468765220987	-101.2445443	307408.29552121983	4309751.7573682	3122.96457435716	3092.8028623657	3015.205264056083	3010.10286342866	85.8458239750431	87.78969013548084
374	329	243094	-124761.1413		1008877.3170250766	36.44688528467736	-101.2422021	307609.306051046	4309746.68607343	3121.889913572053	3094.2167881452942	3015.8658494708297	3010.10286342866	85.8458239750431	87.78969013548084
375	329	243095	-124101.1413		1008877.3170250766	36.44689375947273	-101.2398599	307810.323914222	4309742.6169043	3120.458119061532	3092.865185304567	3014.932973572283	3010.10286342866	85.8458239750431	87.78969013548084
376	329	243096	-123441.1413		1008877.3170250766	36.44690254252913	-101.2375177	308013.327393687	4309738.5435084	3119.631948045555	3091.501847	3012.75713736508	3010.10286342866	85.8458239750431	87.78969013548084
377	329	243097	-122781.1413		1008877.3170250766	36.44691089090909	-101.2352777	308214.7238936594	4309734.7238936594	3119.631948045555	3091.501847	3012.75713736508	3010.10286342866	85.8458239750431	87.78969013548084
378	329	243098	-122121.1413		1008877.3170250766	36.446919089090909	-101.232								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVLogsKgt.	BRIEVBothKgt.	SatHtLogs.	SatHtBoth.
439	329	243181	-67341.14133	1008877.3170250766	36.4545815	-101.038428	325096.8459671302	4309393.32135758	313.8613007712274	2997.074835046575	2904.134515998079	2902.904818688939	81.362270567826	87.17592437
462	329	243182	-66681.14133	1008877.3170250766	36.45452743662364	-101.038066	325257.8443854155	4309390.396401277	313.724478178385	2987.424115782383	2902.456450066894	2900.841781339588	84.36766517639364	86.58233444368625
463	329	243183	-66871.14133	1008877.3170250766	36.4545693694084	-101.038343	325498.846337723	4309392.21819356	312.943081151372	2985.538671763126	2901.152159727232	2899.549451763126	84.3745887684468	85.3621368665128
464	329	243184	-66531.14133	1008877.3170250766	36.4545179656139	-101.0314021	326391.166972768	43126.9011427865	312.969110472835	2983.661507	2899.62796809674	2897.25968305645	85.3190006106104	86.3190006106104
466	329	243185	-64701.14133	1008877.3170250766	36.45457625513723	-101.0290569	325600.83862152405	4309371.710597144	312.5456417422835	2987.1480894464647	2898.086903950567	2896.872588318763	83.61182452049049	84.8698301337603
466	329	243186	-64041.14133	1008877.3170250766	36.4545806846277	-101.026716	326110.8366133175	43102.121802507416	312.124121802507416	2979.81558831763	2896.574792560543	2895.458948211756	83.2403267110854	84.35533332971054
467	329	243187	-63381.14133	1008877.3170250766	36.45458053638545	-101.0243754	326302.833302342	4309369.014670564	312.077369147452404	2987.07368770403	2898.07368770403	2898.07368770403	82.47917768820011	83.93935328072037
468	329	243188	-62217.14133	1008877.3170250766	36.4548935936456	-101.022031	326503.813333338	4309366.94365696	311.5560629210266	2975.896321750104	2893.403842656943	2892.324176595636	83.57214657944678	84.57214657944678
469	329	243189	-62051.14133	1008877.3170250766	36.45456782273024	-101.033743	326704.826693466	4309369.14269871	312.347582254589	2973.814361	2891.538876510543	2890.55222565839	82.32748462381279	83.3621368665128
470	329	243190	-61401.14133	1008877.3170250766	36.4545789265735	-101.0173487	325905.825315749	4309356.86409176	310.134535240711	2971.620973290324	2899.48377810496	2898.71256495898	82.4371944793813	83.2053232
471	329	243191	-60741.14133	1008877.3170250766	36.45450206	-101.0150604	32610.872252579186	43093582.41775504	309.811023250238	2969.921338714841	2887.6241997294646	2886.723463222964	82.2971338853768	83.1978408254474
472	329	243192	-60081.14133	1008877.3170250766	36.4545061981770	-101.012642	327307.8195218846	4309348.76536848	3092.844521708479	2967.922571349566	2885.45804935176	2884.513701439243	82.47176641	83.0886991041213
473	329	243193	-59421.14133	1008877.3170250766	36.45451024748256	-101.0103219	327508.81851658765	4309347.18182828	3085.788550362127	2965.9291294626846	2882.9834034382385	2882.048830265461	82.9460811436414	83.8802919699329
474	329	243194	-58761.14133	1008877.3170250766	36.4545143607562	-101.0079797	327709.8122059349	4309346.667234741	3079.092744165383	2963.96008214392	2880.266595283442	2879.60891801618	83.6790212604767	84.6851213035767
475	329	243195	-58011.14133	1008877.3170250766	36.45451835215322	-101.0058374	327910.8084346055	4309336.618607879	3070.75937141153	2961.973838	2877.2301572550327	2876.220150658199	83.2374129311574	85.785293170501076
476	329	243196	-57441.14133	1008877.3170250766	36.45452231	-101.0032952	328111.8044923373	4309332.570077095	3067.738089082256	2960.030854421824	2874.038343256837	2873.16583563137	85.99235062	86.8650187808069
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479	329	243199	-55461.14133	1008877.3170250766	36.45453323965374	-100.996285	328714.7916652474	4309320.42586712	3050.852817574416	2954.33898956124	2875.017377806428	2874.4606403855117	79.31652114657118	79.87329412072021
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505	329	243225	-38301.14133	1008877.3170250766	36.45461748	-100.9353701	333940.8							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	WtL.no	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
587	329	24307	15818.85867303351	1008877.3170250766	39.64568098081362	-100.7433053	550421.3757119754	4389884.935334489	2846.9095040402227	276.901	271.2125427731075	271.872807824252	0	0
588	329	24308	16474.8586730335	1008877.3170250766	39.64567956353409	-100.7409631	550622.3544047417	4389880.570364122	2852.4587914604033	276.9014469406095	271.8161795690797	271.27250358366778	0	0
589	329	24309	17158.8586730335	1008877.3170250766	39.64567843120487	-100.7406208	550823.2032936157	4389876.547429042	2857.9289689876244	276.918062328185	271.874009871223	0	0	
590	329	24310	17798.8586730335	1008877.3170250766	39.64567723525724	-100.7362786	551024.3112667096	4389875.395186116845	2859.12751671167625	276.92405404510037	276.21686843771	0	0	
591	329	24311	18458.8586730335	1008877.3170250766	39.64567590596395	-100.7339363	551225.28964622937	4389868.502299389	2860.6839196574347	275.94583007312335	275.92892933289245	275.6737831344686	0.16907040230903466	1.7844275866477357
592	329	24312	19118.8586730335	1008877.3170250766	39.64567470241691	-100.7315941	551426.26518137996	4389864.722999099	2870.79318892514	275.94086476250017	275.912979360712	275.21974568341222	7.814578501839443	0
593	329	24313	19778.8586730335	1008877.3170250766	39.6456733688733	-100.7292518	551627.24542936974	4389860.457921461	2888.9024851929294	275.91935456969	275.345461120514	275.03435645468461	5.266473457358284	8.677308408750175
594	329	24314	20438.8586730335	1008877.3170250766	39.64567199030764	-100.7269096	551828.2231971473	4389856.429964109	2891.0172746042	275.81318062304	275.31152342306988	275.0342644122984	1.7169462969139629	8.785548118
595	329	24315	21098.8586730335	1008877.3170250766	39.64567056377866	-100.7246874	552029.2032936157	4389852.116231882	2892.98588678756	275.8111486239876	275.2940524744897	275.0342644122984	1.7169462969139629	21.12363290866394
596	329	24316	21758.8586730335	1008877.3170250766	39.6456690179346	-100.7222251	552231.783504194	4389848.393162225	2893.088751554203	275.740752691445	274.77600524314145	274.8239570455523	3.980070057737007	9.251182324
597	329	24317	22418.8586730335	1008877.3170250766	39.64566756276756	-100.7198828	552421.1556458167	4389844.372027496	2885.10050531159	275.70430125006747	274.5603009206786	274.5122430627967	1.44000329408891	9.830672438
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600	329	24320	24398.8586730335	1008877.3170250766	39.645676797738	-100.7128561	553034.0868150324	4389832.309967145	2860.26524664016	275.529666323098	274.1769239	274.359687602156	13.85043051786761	12.06434677045382
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602	329	24322	25718.8586730335	1008877.3170250766	39.64565931366653	-100.7081716	553436.040719022	4389824.20773604	2837.79381495557	275.343708611295	273.038565183024	274.038567246995	15.30514342930977	13.9580134179021
603	329	24323	26378.8586730335	1008877.3170250766	39.6456575	-100.7058293	553637.0167106061	4389820.249625125	2890.713107	275.33686647071034	273.756938595932	273.4954902285196	16.117566111081487	15.19072697849385
604	329	24324	27038.8586730335	1008877.3170250766	39.64565157	-100.703487	553837.99306309343	4389816.23039397	2892.7880471265507	275.2797027705362	273.596552921741	273.496420410766	17.0224193411933	16.624265904427
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614	329	24334	33638.8586730335	1008877.3170250766	39.645634914195004	-100.6800425	555847.7488541349	4389776.047245933	2893.1421968198238	274.923727580214	271.845220897058	271.845220897058	22.5548716975677	22.1929010642926
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622	329	24342	38918.8586730335	1008877.3170250766	39.64561501154536	-100.6613258	557457.54497583	4389745.01675782	2872.19074651163	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
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624	329	24344	40238.8586730335	1008877.3170250766	39.645609863237	-100.656642	557857.490784514	4389735.896624394	2864.0205538142643	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
625	329	24345	40898.8586730335	1008877.3170250766	39.645607602104	-100.6542998	558058.4642221896	4389731.87191456	2860.064567857946	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
626	329	24346	41558.8586730335	1008877.3170250766	39.64560538051972	-100.6519575	558259.4325102614	4389729.577224054	2856.109206119733	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
627	329	24347	42218.8586730335	1008877.3170250766	39.6456011088842	-100.6496153	558460.410690941	4389723.843	2853.884289149474	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
628	329	24348	42878.8586730335	1008877.3170250766	39.645598191407174	-100.6472731	558661.3837209231	4389719.82870351	2853.3903414891551	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
629	329	24349	43538.8586730335	1008877.3170250766	39.6455959412805	-100.6449373	558862.3561154536	4389715.79829447	2852.904243532961	273.9111680725185	270.94214164890515	270.94214164890515	22.5548716975677	22.1929010642926
630	329	24350	44198.8586730335	1008877.3170250766	39.6455932123325	-100.6425886	559063.3294737174	4389711.8010496	2852.4102148855467	273.9111680725185	270.94214164890515	270.94214164890515		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SurfElevLogsKrg.ft	SurfElevBothKrg.ft
713	329	24343	98978.85867307335	1008877.3170250766	39.6451184843144584	-100.448183	375743.6163527395	4389379.49155319	2621.566977847102	2591.320112284617	2538.1298963550606	2538.2880188416834	31.19021592691053	53.02309243293373
714	329	24344	98638.85867307335	1008877.3170250766	39.645170834496205	-100.4458408	375944.5784011199	4389375.45438116	2618.87203358087	2590.945215386367	2535.6551176203437	2535.6191664315286	55.29009779	55.12604895483446
715	329	24345	10028.85867307335	1008877.3170250766	39.645171805987	-100.4348663	376145.5409449665	4389375.45438116	2618.87203358087	2590.945215386367	2535.6551176203437	2535.6191664315286	55.29009779	55.12604895483446
716	329	24346	100958.85867307335	1008877.3170250766	39.64516428144858	-100.4411563	376346.502408114558	4389367.465	2612.08722371105	2590.039462721942	2535.35312628964	2526.3121703475064	53.02309243293373	63.78128497
717	329	24347	101618.85867307335	1008877.3170250766	39.6451570350275	-100.4388141	376547.6641746535	4389363.47113192	2608.464396547112	2589.596741202251	2520.0668735574753	2519.2790473372783	68.5296676479374	70.37169336852267
718	329	24348	102368.85867307335	1008877.3170250766	39.6451503470781	-100.4364719	376748.4258110471	4389364.70472973	2604.84087721505	2589.04446210443	2520.7709142152257	2521.3567722397035	67.2873219853232	68.5296676479374
719	329	24349	102938.85867307335	1008877.3170250766	39.6451432151377	-100.4341297	376949.3873302075	4389355.48378552	2610.342390350103	2588.437289209453	2534.5588986102	2535.8448778436926	53.8863840896102	53.8863840896102
720	329	24340	103298.85867307335	1008877.3170250766	39.64513623270646	-100.4317674	377150.34873234037	4389351.49028689	2616.984595396133	2587.77617190297	2549.601670188736	2549.9007785205957	81.17451700156107	81.17451700156107
721	329	24341	104258.85867307335	1008877.3170250766	39.64512910697845	-100.4284453	377351.30017765194	4389347.48174728	2619.884595396133	2587.77617190297	2549.601670188736	2549.9007785205957	81.17451700156107	81.17451700156107
722	329	24342	104588.85867307335	1008877.3170250766	39.64512194	-100.427103	377552.21185473	4389343.504062423	2624.220652565294	2586.298470135025	2577.32937222074	2578.530410910101	63.78128497	63.78128497
723	329	24343	105578.85867307335	1008877.3170250766	39.6451170446905	-100.4247608	377753.232236871	4389339.51129603	2661.233242383527	2585.461733595387	2576.9135595387	2576.9135595387	63.78128497	63.78128497
724	329	24344	106238.85867307335	1008877.3170250766	39.6451074593075	-100.4224166	377954.391747135	4389335.518743014	2660.629833508915	2584.6112680189367	2569.474585	2569.474585	14.744563030930569	14.744563030930569
725	329	24345	106898.85867307335	1008877.3170250766	39.6451005291925	-100.4200764	378155.1539947563	4389331.526406811	2660.024652	2583.684552349973	2559.8105976654256	2559.8105976654256	24.00882744035033	24.00882744035033
726	329	24346	107588.85867307335	1008877.3170250766	39.645092801281905	-100.4177341	378356.1146990303	4389327.34330939	2660.024652	2583.684552349973	2559.8105976654256	2559.8105976654256	30.675294021056743	31.24475751145646
727	329	24347	108218.85867307335	1008877.3170250766	39.6450854339566	-100.4153919	378557.0572877873	4389323.54244249	2659.382775937743	2581.894949316145	2548.9665793055406	2548.9665793055406	35.82825861237624	35.82825861237624
728	329	24348	108788.85867307335	1008877.3170250766	39.6450796226025	-100.4139497	378750.0359	4389319.55071457	2659.911743340973	2580.816499957803	2541.457470508993	2541.457470508993	40.1024093262449	40.1024093262449
729	329	24349	109538.85867307335	1008877.3170250766	39.6450747847598	-100.4107075	378958.99611925345	4389315.559341098	2660.440576178163	2579.499973073668	2537.3055168701267	2535.896047549757	42.19446520354085	43.6031682769104
730	329	24340	110198.85867307335	1008877.3170250766	39.6450692442276	-100.4083653	379159.956324276	4389311.58136798	2660.96977977374	2578.336870652126	2534.02156286223	2534.02156286223	45.53732455	45.53732455
731	329	24341	110858.85867307335	1008877.3170250766	39.6450553643603	-100.4060321	379360.9164908377	4389307.57156118	2663.872734340645	2577.130664340404	2532.5624761968706	2532.5624761968706	44.56848811406976	44.56848811406976
732	329	24342	111518.85867307335	1008877.3170250766	39.6450471422969	-100.4036809	379561.8765046909	4389303.586399584	2668.149643134903	2575.853774358618	2529.2795131640305	2529.2795131640305	47.0942470700786	47.0942470700786
733	329	24343	112178.85867307335	1008877.3170250766	39.64504007	-100.4013836	379762.8364	4389299.58967996	2674.426553304136	2574.95234365246	2527.2080128919697	2526.260439740251	47.38806902326715	48.33579462499483
734	329	24344	112838.85867307335	1008877.3170250766	39.6450325927007	-100.398964	379963.796185243	4389295.05650343	2678.704384738173	2573.2706691577	2524.67508666272	2524.67508666272	48.33579462499483	48.33579462499483
735	329	24345	113498.85867307335	1008877.3170250766	39.6450250343056	-100.3965814	380174.753896986	4389287.158479706	2678.704384738173	2573.2706691577	2524.67508666272	2524.67508666272	48.33579462499483	48.33579462499483
736	329	24346	114158.85867307335	1008877.3170250766	39.64501679621465	-100.394312	380365.751486297	4389287.651871796	2678.704384738173	2573.2706691577	2524.67508666272	2524.67508666272	48.33579462499483	48.33579462499483
737	329	24347	114818.85867307335	1008877.3170250766	39.6450084684108	-100.3919698	380566.674627748	4389283.63584485	2678.704384738173	2573.2706691577	2524.67508666272	2524.67508666272	48.33579462499483	48.33579462499483
738	329	24348	115478.85867307335	1008877.3170250766	39.64500105221684	-100.3896276	380767.634193543	4389279.64657345	2676.015964141675	2572.620304	2510.71349597975	2508.885974985613	56.9088440204564	58.734268673499
739	329	24349	116138.85867307335	1008877.3170250766	39.64499311234784	-100.3872854	380968.5934112974	4389275.065738839	2666.1293761416164	2568.2059696067083	2508.2059696067083	2508.2059696067083	60.83519591069944	60.83519591069944
740	329	24340	116798.85867307335	1008877.3170250766	39.64498517222196	-100.3849382	381169.552160883	4389271.668	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
1	330	24341	117498.85867307335	1008877.3170250766	39.6449771229087	-100.3825947	381370.629992907	4389267.81679036	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
2	330	24342	118208.85867307335	1008877.3170250766	39.6449696212908	-100.3803473	381571.757478058	4389263.457784058	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
3	330	24343	118928.85867307335	1008877.3170250766	39.6449620354501	-100.3781129	381772.8364	4389259.158479706	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
4	330	24344	119648.85867307335	1008877.3170250766	39.6449549684108	-100.3758854	381973.9164908377	4389255.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
5	330	24345	120368.85867307335	1008877.3170250766	39.64494789621684	-100.3736581	382175.0359	4389251.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
6	330	24346	121088.85867307335	1008877.3170250766	39.6449408105221684	-100.3714308	382376.1649297	4389247.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
7	330	24347	121808.85867307335	1008877.3170250766	39.64493376141684	-100.3692035	382577.2834	4389243.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
8	330	24348	122528.85867307335	1008877.3170250766	39.6449266859905	-100.3669762	382778.40297	4389239.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
9	330	24349	123248.85867307335	1008877.3170250766	39.6449196021684	-100.3647493	382979.52168	4389235.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
10	330	24340	123968.85867307335	1008877.3170250766	39.644912534784	-100.3625224	383180.64168	4389231.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
11	330	24341	124688.85867307335	1008877.3170250766	39.6449054684108	-100.3602951	383381.76168	4389227.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
12	330	24342	125408.85867307335	1008877.3170250766	39.64489839621684	-100.3580678	383582.88168	4389223.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
13	330	24343	126128.85867307335	1008877.3170250766	39.644891328478	-100.3558405	383784.00168	4389219.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
14	330	24344	126848.85867307335	1008877.3170250766	39.644884260078	-100.3536132	383985.11668	4389215.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
15	330	24345	127568.85867307335	1008877.3170250766	39.644877192684	-100.3513859	384186.23168	4389211.065738839	2668.54667867476	2564.611445802058	2506.4171642673	2503.6380911817723	59.1043081711296	60.7336368512775
16	330	24346	128288.85867307335	1008877.3170250766	39.644870124878	-100.34915								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVEKgr.f	BRIEVEKgr.f	SatHtKgr.f	SatHtKgr.f
99	330	243559	-306261.1413	1090537.3170250766	36.42643497	-101.8863038	252526.7556736274	432076.7314119205	3654.5542820797095	3364.573611690185	3364.5148625621982	3363.7222462809092	71.9424989872025	72.7351142082653
100	330	243560	-306501.1413	1090537.3170250766	36.42655594	-101.8836918	252527.82899218253	432072.719808907	3638.666597020791	3354.360732	3364.87631672604	3364.87631672604	70.4844170370596	70.8510333702612
101	330	243561	-306841.1413	1090537.3170250766	36.4267887514	-101.8816198	252528.90197846584	432068.045232589	3633.771891196182	3364.25417331	3364.811856739063	3363.714331709087	68.8401593824131	68.8401593824131
102	330	243562	-304281.1413	1090537.3170250766	36.426777527511	-101.8792778	252529.9471641836	432071.911194001	3670.812269025933	3433.140118593373	3365.959047025934	3365.831402539324	67.3037830799757	67.3037830799757
103	330	243563	-303621.1413	1090537.3170250766	36.42671859053302	-101.8769358	253131.04721224742	432050.9773452124	3677.3323234581429	3432.0170487516	3366.2333204172523	3366.048648402445	65.78458445776369	65.78458445776369
104	330	243564	-302661.1413	1090537.3170250766	36.426718938	-101.8745938	253332.11964415762	432055.643726229	3673.282201818234	3430.80176300383	3366.878931656986	3367.08562045052793	64.0107844397264	64.0107844397264
105	330	243565	-302031.1413	1090537.3170250766	36.4267013132264	-101.8722518	253533.1914723596	432045.510337028	3668.712080220768	3429.758304258055	3367.2278248649268	3367.7266163612853	62.031099358741	62.031099358741
106	330	243566	-301641.1413	1090537.3170250766	36.427080385423	-101.8699098	253734.2632370554687	432047.37	3665.06195559633	3428.6264108313403	3367.6667736997438	3368.40593922666	60.95963711659675	60.95963711659675
107	330	243567	-300981.1413	1090537.3170250766	36.42681481143665	-101.8678768	253735.3347584654	432048.340476498	3657.1037100882	3427.496941537905	3368.299183770953	3369.253536268176	59.788971586204	59.788971586204
108	330	243568	-300321.1413	1090537.3170250766	36.4282210319089	-101.8652258	254136.4005367575	432038.11549096	3650.459158692253	3426.370204228544	3369.304895453968	3369.918432102406	57.0671693930559	57.0671693930559
109	330	243569	-299661.1413	1090537.3170250766	36.427466995677	-101.8628388	254337.40770717623	432034.39707977	3658.827594358625	3425.254080517383	3370.769170354173	3373.93485454585	54.4826977	53.81485494715307
110	330	243570	-299001.1413	1090537.3170250766	36.42863191588405	-101.8605417	254538.5476496183	432036.84637616	3657.1558733971047	3424.143627400504	3372.7887090055137	3373.6194224232516	51.35292446536616	50.224822679131
111	330	243571	-298341.1413	1090537.3170250766	36.428386678768	-101.8581997	254739.61841518202	432026.75	3658.214064903385	3423.04362181158	3375.350183637147	3375.33422619329	47.69342851744341	47.709385894791414
112	330	243572	-297681.1413	1090537.3170250766	36.42904098956585	-101.8558577	254940.68827318103	432020.18480414	3662.004948	3421.962089282541	3378.493728147028	3378.614710285438	44.38381138836645	43.8198642202306
113	330	243573	-297021.1413	1090537.3170250766	36.429448479502	-101.8535157	255141.7587891186	432018.554939424	3665.7978615813814	3420.8965885324776	3382.365848148138	3381.69859026114	40.36841484339525	39.000396
114	330	243574	-296361.1413	1090537.3170250766	36.429448479502	-101.8517737	255342.82861320254	432014.1201731493	3669.5841567174033	3419.8453951341126	3386.995273314785	3386.7907490947637	32.8500581932743	33.0548100334987
115	330	243575	-295701.1413	1090537.3170250766	36.4296512073551	-101.8488317	255543.9881963847	432010.189081842	3670.201434169256	3418.810110545326	3382.45869694915	3393.2299567729045	29.3644025611534	25.58015766130024
116	330	243576	-295041.1413	1090537.3170250766	36.4296512073551	-101.8464896	255744.9673663142	432006.05219844	3671.64848460599	3417.792060107268	3397.87763764166	3398.0424134310723	17.75957373693007	17.75957373693007
117	330	243577	-294381.1413	1090537.3170250766	36.4300557571884	-101.8441476	255946.30673634102	432001.92585491	3665.088438194332	3416.791509059388	3396.254949617176	3394.614293317693	15.305659442162797	15.305659442162797
118	330	243578	-293721.1413	1090537.3170250766	36.4300557571884	-101.8418056	256174.105596071	431997.797182891	3662.531985149633	3415.8170931372096	3387.709024623039	3379.190306217203	12.08906047056823	12.63719273990465
119	330	243579	-293061.1413	1090537.3170250766	36.4300557571884	-101.8394638	256348.17421297595	431993.667009795	3658.7192781532436	3414.8407514070035	3379.147319889046	3379.147319889046	9.469864263386204	9.469864263386204
120	330	243580	-292401.1413	1090537.3170250766	36.43045918589269	-101.8371219	256548.2452506449	431989.537066739	3653.605132839436	3413.862067116337	3371.4616677919933	3369.6515405974943	5.424066113792536	5.424066113792536
121	330	243581	-291741.1413	1090537.3170250766	36.43045918589269	-101.8347319	256740.1027142505	431984.070317176	3645.4854470611937	3412.8625734891174	3372.861942529075	3372.861942529075	3.752631819150592	3.752631819150592
122	330	243582	-291081.1413	1090537.3170250766	36.43015052140546	-101.8324375	256951.3786238174	431981.274695377	3643.5123851916535	3412.004589538273	3357.357190194242	3346.812315162615	54.6786961194524	55.2258047631225
123	330	243583	-290421.1413	1090537.3170250766	36.4312585481449	-101.8300955	257142.4662804366	431977.178831027	3642.8005212912618	3411.148772	3350.674234592328	3342.65567443483	64.0745376901628	64.0745376901628
124	330	243584	-289761.1413	1090537.3170250766	36.43145742908664	-101.8277534	257353.5136973731	431973.019594407	3646.445326972483	3410.269453596374	3344.090113213007	3338.362587173875	61.794032506673	71.9068642297887
125	330	243585	-289101.1413	1090537.3170250766	36.431655890396	-101.8254114	257554.5808746768	431968.981	3650.090874821935	3409.0479567391	3337.704416778855	3337.704416778855	74.8189278558872	74.8189278558872
126	330	243586	-288441.1413	1090537.3170250766	36.431853385432	-101.8230964	257755.64781259734	431964.76230189	3653.76127266215	3408.05324747368	3332.045670709761	3327.002382347368	76.5075673692518	77.8323190396179
127	330	243587	-287781.1413	1090537.3170250766	36.43205136021707	-101.8207273	257956.71651134502	431960.63884505	3655.7978615813814	3407.061841915738	3329.52316744263	3329.52316744263	79.308833698258	79.308833698258
128	330	243588	-287121.1413	1090537.3170250766	36.43205136021707	-101.8183853	258170.78192108	431956.505781608	3650.7620310531	3405.8848115717705	3327.951486975623	3327.951486975623	81.191393384368	81.191393384368
129	330	243589	-286461.1413	1090537.3170250766	36.4324451	-101.8160433	258358.8471921459	431952.37911095	3646.754170782543	3405.065234036938	3327.643455939145	3327.67736688457	78.78179370443687	78.78179370443687
130	330	243590	-285801.1413	1090537.3170250766	36.43264147187565	-101.8137012	258559.931746144	431948.25062513	3643.22338	3405.25465527854	3326.96875384357	3328.131036098484	78.2857811349693	77.1236204
131	330	243591	-285141.1413	1090537.3170250766	36.43263863340784	-101.8113592	258760.97891372	431944.12284791	3642.04851838266	3404.452670691465	3326.5021574673483	3327.858268612684	77.95053124211655	76.59440220191642
132	330	243592	-284481.1413	1090537.3170250766	36.4330321956275	-101.8090171	258962.04442470905	431940.959660258	3641.71716091093	3403.656791044435	3325.793115124715	3327.5893970104435	76.78367952	76.06739396191641
133	330	243593	-283821.1413	1090537.3170250766	36.43322700504548	-101.8068751	259163.1096927516	431935.988702194	3644.38819986033	3402.866756379645	3324.896879154533	3327.039277703036	75.8263974836151	75.8263974836151
134	330	243594	-283161.1413	1090537.3170250766	36.43342147253815	-101.8043319	259363.1747230552	431931.74197301	3645.4854470611937	3402.815242471134	3323.8285734891174	3323.8285734891174	75.26318119150592	75.26318119150592
135	330	243595	-282501.1413	1090537.3170250766	36.433615267367	-101.80191	259565.2395185564	431927.615474784	3643.259817058242	3401.90345467223	3323.597312896482	3323.597312896482	70.7103270074032	70.7103270074032
136	330	243596	-281841.1413	1090537.3170250766	36.433807201831	-101.799649	259766.3040713307	431919.48205424	3645.356473977345	3400.532805164217	3321.217374348555	3325.8309118277006	74.7018318927108	74.7018318927108
137	330	243597	-281181.1413	1090537.3170250766	36.4340017202392	-101.7973069	259967.3683869594	431913.93165619	3644.95381655619	3399.70441945881	3319.6819528565916	3326.004176780088	80.0848909	73.76627516778221
138	330	243598	-280521.1413	1090537.3170250766	36.43419426786146	-101.7949649	260186.43247115647	431915.23353563	3644.51182710556	3399.071102274726	3318.2223105597484	3326.682103584427	80.79400246298865	72.350064304574
139	330	243599	-279861.1413	1090537.3170250766	36.43438306349664	-101.7926228	260369.9849319188	431911.1177468	3642.701482816046	3398.273364645686	3318.787594380785	3326.933758587719	81.7477116577007	72.0260110584951
140	330	243600	-279201.1413	1090537.3170250766	36.434578050343	-101.7905067	260570.5599241908	431906.964342463	3639.552285191116	3397.538945248187	3315.75406472762	3321.07762747602	82.2620296	67.52266968119
141	330	243601	-278541.1413	1090537.3170250766	36.43477168905814	-101.7878884	260771.698577163687	431902.8190164	3638.7648419415738	3396.52316744263	3314.981291921643	3321.07762747602	82.2620296	67.52266968119
142	330	243602	-277881.1413	1090537.3170250766	36.4349393040064	-101.7850267	260972.684320861	431897.736409661	3633.1656294754	3396.13030658404	3311.162203524226	3325.07505475181	84.164426028	61.0287470326688
143	330													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	SatHtKgr.f	SatHtBoth.f
225	330	243685	-223101.1413	1090537.3170250766	36.446231395432604	-101.5912022	277660.12431194965	4391557.169726015	3476.583513507104	3173.0665827037327	3186.300714381871	3197.081847943503	3179.76586798886183	118.984734362297
226	330	243686	-222441.1413	1090537.3170250766	36.445636966941336	-101.5888001	277861.16853534899	4391553.064801276	3474.0947172399462	3184.8442525428283	3181.170666950758	3190.4787233930284	3179.6866442725768	120.7655290325378
227	330	243687	-221781.1413	1090537.3170250766	36.4449518866327	-101.586818	278012.16853534899	4391553.064801276	3474.0947172399462	3184.8442525428283	3181.170666950758	3190.4787233930284	3179.6866442725768	120.7655290325378
228	330	243688	-221211.1413	1090537.3170250766	36.4440670793119656	-101.5841758	278263.25857811158	4391553.064801276	3474.0947172399462	3184.8442525428283	3181.170666950758	3190.4787233930284	3179.6866442725768	120.7655290325378
229	330	243689	-220641.1413	1090537.3170250766	36.4438226178921	-101.5818337	278464.2991676183	4391550.748536483	3467.4150679409652	3181.174503734958	3181.756461079122	3189.7179984130223	3179.6866442725768	120.7655290325378
230	330	243690	-219801.1413	1090537.3170250766	36.44399730012346	-101.5794915	278655.34233619226	4391550.748536483	3467.4150679409652	3181.174503734958	3181.756461079122	3189.7179984130223	3179.6866442725768	120.7655290325378
231	330	243691	-219141.1413	1090537.3170250766	36.44501235589801	-101.5771494	278866.3828203863	4391552.539371582	3466.1622432758807	3180.67268758807	3180.2217596788951	3187.25926266038	3179.6866442725768	120.7655290325378
232	330	243692	-218481.1413	1090537.3170250766	36.4450273771916	-101.5748072	279067.4280203606	4391528.435051392	3464.121311342466	3179.67321528385	3179.176783710225	3181.19552468444	3179.6866442725768	120.7655290325378
233	330	243693	-217821.1413	1090537.3170250766	36.44501235589801	-101.572465	279268.47058	4391528.435051392	3464.121311342466	3179.67321528385	3179.176783710225	3181.19552468444	3179.6866442725768	120.7655290325378
234	330	243694	-217161.1413	1090537.3170250766	36.44505722543986	-101.5701723	279469.5128328269	4391520.22720504	3478.212847476323	3180.45425733552	3177.93386786276	3183.369703347257	3179.6866442725768	120.7655290325378
235	330	243695	-216501.1413	1090537.3170250766	36.445071940307	-101.5677807	279670.5549129307	4391516.123625791	3481.22005746718227	3180.6984107152227	3176.700690888262	3181.77265	3179.6866442725768	120.7655290325378
236	330	243696	-215841.1413	1090537.3170250766	36.4450698171425	-101.5654386	279871.596726035	4391512.020274898	3481.22005746718227	3180.6984107152227	3176.700690888262	3181.77265	3179.6866442725768	120.7655290325378
237	330	243697	-215181.1413	1090537.3170250766	36.4451016871485	-101.5630964	280072.6384142625	4391508.93127152782	3485.215612681064	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
238	330	243698	-214521.1413	1090537.3170250766	36.4451164792206	-101.5607543	280273.6796395684	4391508.93127152782	3485.215612681064	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
239	330	243699	-213861.1413	1090537.3170250766	36.4451110225954	-101.5584121	280474.210804297	4391499.711949495	3485.215612681064	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
240	330	243700	-213201.1413	1090537.3170250766	36.445145742683056	-101.55607	280675.7621	4391485.091150202	3486.10098106556	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
241	330	243701	-212541.1413	1090537.3170250766	36.445176033193445	-101.5537278	280876.8026505896	4391491.506622227	3486.10098106556	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
242	330	243702	-211881.1413	1090537.3170250766	36.44517486345706	-101.5513586	281077.8434342234	4391487.40497018	3486.10098106556	3181.193689093274	3175.337311313064	3179.723694855243	3179.6866442725768	120.7655290325378
243	330	243703	-211221.1413	1090537.3170250766	36.44518930474382	-101.5490435	281278.888	4391483.30224653	3479.248964460224	3182.41039438441	3171.28079163033	3173.3928957911025	3179.6866442725768	120.7655290325378
244	330	243704	-210561.1413	1090537.3170250766	36.44520348924386	-101.5467013	281479.9328281634	4391479.20170355	3472.531927626941	3183.02663616466377	3170.5228736077897	3172.24767	3179.6866442725768	120.7655290325378
245	330	243705	-209901.1413	1090537.3170250766	36.44521826774044	-101.5443591	281680.964	4391475.10409847	3465.81497636532	3180.688474605267	3169.371895914195	3174.834904272604	3179.6866442725768	120.7655290325378
246	330	243706	-209241.1413	1090537.3170250766	36.44522263	-101.542017	281862.03667874	4391470.99364608	3456.091873063517	3180.26116712479	3169.371895914195	3174.834904272604	3179.6866442725768	120.7655290325378
247	330	243707	-208581.1413	1090537.3170250766	36.4452300797845	-101.539746	282046.951775256	4391463.888512098	3441.839646466157	3180.26116712479	3169.371895914195	3174.834904272604	3179.6866442725768	120.7655290325378
248	330	243708	-207921.1413	1090537.3170250766	36.445231261672	-101.5373326	282284.024391135	4391462.798	3441.839646466157	3180.26116712479	3169.371895914195	3174.834904272604	3179.6866442725768	120.7655290325378
249	330	243709	-207261.1413	1090537.3170250766	36.4452754639704	-101.5349095	282485.1215061504	4391458.697529215	3441.839646466157	3180.26116712479	3169.371895914195	3174.834904272604	3179.6866442725768	120.7655290325378
250	330	243710	-206601.1413	1090537.3170250766	36.44528965183765	-101.5326483	282686.1604	4391454.597480311	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
251	330	243711	-205941.1413	1090537.3170250766	36.44530379372663	-101.5303061	282887.1989990083	4391451.371971387	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
252	330	243712	-205281.1413	1090537.3170250766	36.445317890520865	-101.527964	283088.2342723894	4391446.39717733	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
253	330	243713	-204621.1413	1090537.3170250766	36.4453194206796	-101.525618	283289.27536827916	4391442.368877808	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
254	330	243714	-203961.1413	1090537.3170250766	36.445327376	-101.5232796	283490.561775256	4391440.0287140153	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
255	330	243715	-203301.1413	1090537.3170250766	36.44533990942086	-101.5209374	283691.3514256136	4391434.1	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
256	330	243716	-202641.1413	1090537.3170250766	36.4453782526564	-101.5185953	283892.3890032116	4391430.01292821	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
257	330	243717	-201981.1413	1090537.3170250766	36.445387895785075	-101.5162531	284093.4263626025	4391425.903	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
258	330	243718	-201321.1413	1090537.3170250766	36.445401512109635	-101.5139109	284294.6531284394	4391420.44026076	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
259	330	243719	-200661.1413	1090537.3170250766	36.4454153	-101.5115788	284495.50455107235	4391417.70635556	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
260	330	243720	-200001.1413	1090537.3170250766	36.44542903577445	-101.509226	284696.551775256	4391413.69473289	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
261	330	243721	-199341.1413	1090537.3170250766	36.44544272554668	-101.506884	284897.5736924892	4391409.10840676	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
262	330	243722	-198681.1413	1090537.3170250766	36.44545639686704	-101.5045422	285098.609909077	4391405.4134304	3438.7784968406	3180.43500574116	3163.071675993763	3164.792788473874	3179.6866442725768	120.7655290325378
263	330	243723	-198021.1413	1090537.3170250766	36.445469688437	-101.5022	285299.6460885746	4391401.31620312	3428.9161320718995	3181.685811942204	317.488667198459	313.8687911534671	3179.6866442725768	120.7655290325378
264	330	243724	-197361.1413	1090537.3170250766	36.44548332277087	-101.4998578	285500.6819701282	4391397.21937153	3428.9161320718995	3181.685811942204	317.488667198459	313.8687911534671	3179.6866442725768	120.7655290325378
265	330	243725	-196701.1413	1090537.3170250766	36.44549701335085	-101.4975157	285701.7176	4391393.212329359	3428.9161320718995	3181.685811942204	317.488667198459	313.8687911534671	3179.6866442725768	120.7655290325378
266	330	243726	-196041.1413	1090537.3170250766	36.4455104846339	-101.4951735	285902.75013129137	4391389.0261703145	3428.9161320718995	3181.685811942204	317.488667198459	313.8687911534671	3179.6866442725768	120.7655290325378
267	330	243727	-195381.1413	1090537.3170250766	36.44552390778849	-101.492838	286103.788631319	4391385.0261703145	3428.9161320718995	3181.685811942204	317.488667198459	313.8687911534671	3179.6866442725768	120.7655290325378
268	330	243728	-194721.1413	1090537.3170250766	36.44553726560075	-101.4904981	286304.8234	4391381.033900909						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SurfAtElev.ft	SatHtBoth.ft
329	330	243811	-139941.1413	1009537.3170250766	36.46489469025922	-101.296085	302990.0198604124	4391041.6590949377	3129.906648216944	3125.005017	3045.143600330558	3043.796371310556	79.86141694144425	81.20866401419443
332	330	243812	-139281.1413	1009537.3170250766	36.4649096791087	-101.2937428	303191.0378877877	439127.5821784	3127.77588110915	3113.61568098749	3046.490202722454	3045.02755458108	71.71706274597268	76.5893544212397
353	330	243819	-138621.1413	1009537.3170250766	36.46495304670965	-101.28409	303392.504961289	439133.505833294	3124.852884957298	3122.238048475281	3046.742456957628	3118.31882019182	76.49399152692947	76.91928505929747
354	330	243814	-137961.1413	1009537.3170250766	36.46451807617324	-101.289053	303593.0736653057	4391029.429146994	3122.026007999173	3120.8648983608	3045.657632170346	3044.25519296782	75.072067565	76.39373700671359
356	330	243815	-137301.1413	1009537.3170250766	36.46452712390215	-101.286716	303794.0912155681	4391025.322668114	3126.18864251606	3119.491797528144	3043.3367821798283	3041.8996271451217	76.15509724831309	77.59227038
356	330	243816	-136641.1413	1009537.3170250766	36.46453690335778	-101.284378	303995.1085740498	4391021.277698114	3137.1407191585997	3118.118626901347	3040.156675	3038.74275655633	70.37963034519417	80.8505036
357	330	243817	-135981.1413	1009537.3170250766	36.464554625	-101.2820315	304196.12574068416	4391017.212590463	3148.0924313596837	3116.744902845297	3036.55659	3035.20625039394	80.18534040333711	81.53850080960301
358	330	243818	-135321.1413	1009537.3170250766	36.4645554954453	-101.279693	304397.1421757683	4391013.12958568	3159.04509385038	3115.70326487518	3032.915286128673	3031.658471342465	82.44734135807879	83.71184545248724
359	330	243819	-134661.1413	1009537.3170250766	36.46456548	-101.277447	304596.1596	4391009.350533396	3169.0063	3113.893987302786	3028.628939374297	3028.333971572587	84.56595150643963	86.6911605
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365	330	243825	-130701.1413	1009537.3170250766	36.4646193883688	-101.263298	305804.2561952642	4390983.6073167112	3195.281371198195	3107.688273286043	3018.452696222246	3018.452696222246	91.04900136264041	91.04900136264041
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378	330	243838	-122121.1413	1009537.3170250766	36.46473206505793	-101.2328441	308417.4424091589	4390931.664	3276.6232600977	3087.863760113574	3014.832061241764	3014.832061241764	107.1631173699333	107.1631173699333
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380	330	243840	-120801.1413	1009537.3170250766	36.464751170994	-101.228158	308823.222239325	4390919.25224224	3288.65573074814	3091.2194651012186	3010.25156975407	3010.25156975407	109.32710238336	109.32710238336
381	330	243841	-120141.1413	1009537.3170250766	36.464756917436176	-101.2258174	309020.408928851	4390919.45285698	3199.20321374668	3083.604097083693	3007.71505405918	3007.71505405918	110.3749243761665	110.3749243761665
382	330	243842	-119481.1413	1009537.3170250766	36.46476518591258	-101.2234751	309221.4932883854	4390912.36256828	3208.750672034488	3082.602537354131	3004.737949	3004.737949	111.46848714559103	111.46848714559103
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389	330	243849	-114861.1413	1009537.3170250766	36.46482140246656	-101.2070792	310628.5715588917	4390886.89843428	3243.32756414007	3073.95936876248	2991.165783936636	2991.165783936636	119.3283412907616	119.3283412907616
390	330	243850	-114201.1413	1009537.3170250766	36.46482927726436	-101.204737	310829.586112558	4390882.83	3241.741645500554	3072.6527133810396	2979.2598520645574	2979.2598520645574	120.39261368214	120.39261368214
391	330	243851	-113541.1413	1009537.3170250766	36.46483077995313	-101.2023497	311030.596823768	4390878.76224058	3239.620115359985	3071.407130376782	2977.982173868813	2977.982173868813	121.473497954	121.473497954
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393	330	243853	-112221.1413	1009537.3170250766	36.46485304673387	-101.197819	311425.541152221	4390869.10471774	3237.335147300045	3070.22893453298	2997.651546753067	2997.651546753067	123.76029009092	123.76029009092
394	330	243854	-111561.1413	1009537.3170250766	36.46486023011319	-101.1953679	311633.628084743	4390865.99642934	3240.649791071123	3076.301568375857	2998.695351282676	2998.695351282676	124.9343356442262	124.9343356442262
395	330	243855	-110901.1413	1009537										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatBatho.f	SatBoth.f
47	33937	-56781.14133		1009537.3170250766	39.647339219736935	-101.000958	2328316.85471175506	4390529.7663996599	3064.4327442424127	2977.559778097481	2874.916723215889	82.64305488159198	83.18016327364451
478	33938	-56721.14133		1009537.3170250766	39.64734039016495	-100.9986117	328915780.9404464	4390525.7811714	3058.31400498575	2955.4653656596	2875.223911503277	80.8633690393828	80.8633690393828
479	33939	-55461.14133		1009537.3170250766	39.647346915341956	-100.9862794	328718.94515451897	4390521.620012154	3047.98125633766	2953.76372437545	2876.768724396756	77.081003834927184	77.081003834927184
480	33940	-54500.14133		1009537.3170250766	39.64735086267924	-100.993311	32919.8406661689	4390517.622427335	3042.231108557474	2951.886704511196	2876.579640055605	72.31074088	72.31074088
481	33941	-54141.14133		1009537.3170250766	39.64735442994281	-100.9915888	329120.83655160574	4390515.575	3033.56136607872	2950.043337624852	2882.734027100665	67.30928470280878	67.2498065649174
482	33942	-53481.14133		1009537.3170250766	39.64735811936686	-100.9892465	329321.8304110336	4390509.520560295	3024.8811	2948.228602958909	2885.867646832681	62.11196823259626	62.11196823259626
483	33943	-52821.14133		1009537.3170250766	39.6473617633397	-100.9869042	3299225.82512466214	4390505.480527301	3010.020969153615	2946.420467966965	2888.6991856309454	57.12728234	57.25635115484895
484	33944	-52161.14133		1009537.3170250766	39.64736532461656	-100.9845419	329273.8196129453	4390501.433578784	3015.9800989326013	2943.611932761698	2889.9487028620025	53.68323079697296	53.11565371002334
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486	33946	-50841.14133		1009537.3170250766	39.6473742545229	-100.9796773	329175.8039279636	4390493.404531132	3010.889095059316	2941.089011249554	2892.299597781113	46.67618354475424	46.67618354475424
487	33947	-50181.14133		1009537.3170250766	39.6473788572102	-100.977535	330326.8020585276	4390491.684919825	3007.6021658989343	2939.306218965567	2892.205063625697	47.12511504389704	47.34005758594136
488	33948	-49521.14133		1009537.3170250766	39.6473795053869	-100.9751927	330527.7959123853	4390485.24833707	3006.051726295714	2937.5809246748254	2892.2700662359443	45.310584388104	45.18228245729699
489	33949	-48861.14133		1009537.3170250766	39.647382678305284	-100.9728504	330278.78951761293	4390481.202818996	3003.88738620475	2935.83738620475	2892.4285379504263	43.95020067048904	43.7399478995307
490	33950	-48201.14133		1009537.3170250766	39.647386005720804	-100.9705808	330929.7830749118	4390477.17329139	3002.9497068487442	2934.1000107078003	2892.6215966371217	41.47842078680624	41.02093183973784
491	33951	-47541.14133		1009537.3170250766	39.6473892768273	-100.9681697	331130.7764950591	4390473.11205931	2999.984323842117	2932.3668323895953	2894.536376291595	39.4335864796443	37.4335864796443
492	33952	-46881.14133		1009537.3170250766	39.64739252	-100.9658234	331331.76956022243	4390469.067027665	2998.602167	2930.63739448548	2891.9244477857078	37.21204268275051	37.21204268275051
493	33953	-46212.14133		1009537.3170250766	39.64739671646083	-100.9634811	331532.76258716197	4390465.022217024	2991.228011305698	2928.910931448699	2891.6159610239846	35.9039691378911	35.28497041571449
494	33954	-45561.14133		1009537.3170250766	39.6473988627198	-100.9611388	331733.7543056347	4390460.97723108	2988.339546612557	2888.5728152489605	2909.682310493497	33.7043343465371	33.7043343465371
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501	33961	-40941.14133		1009537.3170250766	39.64741962071869	-100.9447427	333140.700726609	4390342.62	2965.1535481445	2915.162418308084	2872.89156644689	24.62208511963205	24.62208511963205
502	33962	-40281.14133		1009537.3170250766	39.64742240512218	-100.9424004	333341.6924151004	4390342.89120756	2963.98207518179	2913.404289009635	2870.65667443668	24.66642061170328	24.78462156596697
503	33963	-39621.14133		1009537.3170250766	39.64742514427314	-100.9400581	333542.68379594246	4390342.587	2956.60886717282	2911.771889053045	2868.2599297024077	23.44558993	23.44558993
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506	33966	-37641.14133		1009537.3170250766	39.64743300921898	-100.9330311	334140.12405351	4390340.54229795	2935.842689897793	2906.4658081047	2861.049057930952	21.5890412265915	21.5890412265915
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508	33968	-36321.14133		1009537.3170250766	39.647438161260375	-100.9283465	334547.63828211767	4390340.33869347	2930.629073865425	2902.9148405271121	2858.2654630418656	19.46493810345698	19.46493810345698
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511	33971	-34341.14133		1009537.3170250766	39.6474455284386	-100.9213198	335150.609485054	4390334.25384794	2920.7504554570028	2897.05510293527	2858.01428468009	16.9312865304381	16.9312865304381
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513	33973	-33021.14133		1009537.3170250766	39.6474500465802	-100.916635	335552.5867571061	4390334.774	2914.352910688115	2893.78069728959	2854.01286502	15.739015514222134	15.739015514222134
514	33974	-32361.14133		1009537.3170250766	39.6474522835590	-100.9142927	335753.578302354	4390330.134	2920.15433036780	2891.897598	2861.5950068616603	14.6146561171920	14.6146561171920
515	33975	-31701.14133		1009537.3170250766	39.64745444849265	-100.9119504	335954.5678297352	4390326.709372663	2924.48904275552	2889.99218755847	2863.595282840164	13.54218022	13.54218022
516	33976	-31041.14133		1009537.3170250766	39.64745663537812	-100.909081	336155.5712743546	4390327.054	2927.3570995379	2888.06295869323	2866.0626874836303	12.7700227383028914	12.7700227383028914
517	33977	-30381.14133		1009537.3170250766	39.64745874101241	-100.9072658	336356.5466263375	4390328.01756794	2930.228015181996	2887.93687733931	2861.91669628265	11.9902319325253	11.9902319325253
518	33978	-29721.14133		1009537.3170250766	39.647460801395454	-100.9053234	336557.5352466434	4390331.95611656	2930.973020410173	2884.127814458733	2860.706159426995	11.34162851563631	11.34162851563631
519	33979	-29061.14133		1009537.3170250766	39.64746291478421	-100.9034819	336759.4536645953	4390330.134	2930.518842836478	2883.1184838936478	2859.46842836478	10.6304836539379	10.6304836539379
520	33980	-28401.14133		1009537.3170250766	39.64746478647809	-100.902238	336952.58757232996	4390335.898	2931.886239529257	2880.975782595367	2857.33180033740454	9.7393015514222134	9.7393015514222134
521	33981	-27741.14133		1009537.3170250766	39.647466711037254	-100.8978965	337160.5120358983	4390331.85935263	2908.4224717198916	2874.0123695928667	2847.628792579537	9.18578596487444	9.18578596487444
522	33982	-27081.14133		1009537.3170250766	39.647468590415365	-100.8955542	337361.489586048	4390347.821296108	2879.9785948658	2875.91135823071	2840.09204623405	8.301913366608	8.301913366608
523	33983	-26421.14133		1009537.3170250766	39.64747045244224	-100.8932119	337562.474777427	4390334.7832439	2899.51642945897	2873.767390769955	2833.206654	7.30480614458222	7.30480614458222
524	33984	-25761.14133		1009537.3170250766	39.64747221341786	-100.890896	337763.465095381	4390339.75497214	2912.035922431087	2871.60743485787	2827.97450716331	6.27268337	6.27268337
525	33985	-25101.14133		1009537.3170250766	39.64747367042244	-100.8886273	337964.4536645953	4390325.707873458	2908.5				

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatHtLogs.ft	SatHtBoth.ft
603	340403	24603.8586730335	1909537.3170250766	36.4747054050242	-100.705827	353641.04003322495	4390021.4752789995	2893.45498704062	2731.6444918360557	2738.042445720105	2739.0886958164966	13.620246115950543	12.55583215995148
604	340404	27038.8586730335	1909537.3170250766	36.47468750927456	-100.733487	353842.0170461797	4390017.45557938	2591.5250381674	2706.306732207844	2736.620542056867	2737.91642024288	14.26607804152662	12.9903300376147
605	340405	27368.8586730335	1909537.3170250766	36.4746827279543	-100.760789	354042.9381032796	4390013.436108064	2992.704589189258	2750.115445647642	2734.8716201493293	2736.15256176683	15.23271539831286	13.9638378078907
612	340407	23838.8586730335	1909537.3170250766	36.47446911050505	-100.6988	354243.9684555905	4390004.61863908	2893.88462775372	2749.26773738539	2732.82711471957	2734.065155563266	17.12312013173513	15.00221182174641
607	340407	29018.8586730335	1909537.3170250766	36.4746294048366	-100.696457	354444.9445351853	4390005.398	2896.262269291747	2748.360989332876	2730.848379262757	2732.252534	17.1521005080107	16.04853101267737
608	340408	29678.8586730335	1909537.3170250766	36.4746093185065	-100.6941154	354645.9200854107	4390001.37904291	2896.817562593784	2747.302978898444	2729.235865122217	2730.30448791971	18.1751263262262	17.08350310782323
609	340409	30338.8586730335	1909537.3170250766	36.474587436659	-100.691731	354846.895449433	4389997.36408054	2898.413543028216	2746.361866667954	2727.027257020599	2728.2207117769974	19.34609065	18.14115478996796
610	340410	30998.8586730335	1909537.3170250766	36.4745677163133	-100.689408	355047.8076562084	4389991.342138356	2899.589135062525	2745.2663107308013	2734.996981829305	2725.79490864301	20.269818901496415	19.471402066458298
611	340411	31658.8586730335	1909537.3170250766	36.47454964481	-100.687089	355248.8459587693	4389983.34201461	2898.6289702813183	2744.10512893104	2732.043949827155	2727.1788916874268	21.292193310682494	20.36236546899789
612	340412	32318.8586730335	1909537.3170250766	36.4745243047112	-100.684762	355449.8208984363	4389985.30130828	2897.332916714234	2742.879662392592	2741.095533778394	2727.94225073455	21.7831211479191	21.03640072246336
613	340413	32978.8586730335	1909537.3170250766	36.4745019191819	-100.6824039	355650.7957410849	4389981.288464761	2895.0360611742264	2741.5881436111345	2719.3206022206487	2719.339849084666	22.2590813904579	21.64815870167853
614	340414	33638.8586730335	1909537.3170250766	36.4744790817085	-100.680016	355851.7704549025	4389977.271024937	2892.740807	2740.2348696903394	2717.380479272776	2717.94201361874	22.485439644576084	22.31066831216029
615	340415	34298.8586730335	1909537.3170250766	36.4744597918671	-100.6777193	356052.7450330932	4389972.12583281	2891.3338191819	2738.280186902333	2715.6125522456664	2715.620609575325	23.208264443569223	22.96021173249079
616	340416	34958.8586730335	1909537.3170250766	36.4744320494418	-100.6753769	356253.7194666646	4389969.23622291	2890.67909628277	2737.347363	2713.6045400728676	2714.042867563304	23.74309107902453	23.304764142427977
617	340417	35618.8586730335	1909537.3170250766	36.4744076545045	-100.6730346	356454.69376542524	4389965.20059435	2890.594682887875	2735.814438731604	2711.742588803808	2712.0820071531724	24.071699927800438	23.7225857643181
618	340418	36298.8586730335	1909537.3170250766	36.4743798047055	-100.670923	356655.9679	4389961.203322264	2890.133855000773	2734.22382854777	2710.89151343225	2710.20648754018	24.32074480169265	24.0174099899918
619	340419	36998.8586730335	1909537.3170250766	36.4743581070944	-100.66835	356856.814948745	4389957.18217076	2887.57433867002	2732.581201614209	2708.350054678643	2708.7637977183304	24.214839565272	24.0174099899918
620	340420	37598.8586730335	1909537.3170250766	36.474333546215	-100.6660077	357057.6183337636	4389953.171124778	2882.82975390607	2730.890253467334	2706.507845	2706.90457174524	24.38280236023244	23.98627459199078
621	340421	38258.8586730335	1909537.3170250766	36.474308496371	-100.6636564	357258.5896813764	4389949.15524649	2878.08414112994	2729.1572418470248	2704.272592411214	2705.032555662947	24.6846494382876	24.12686802748042
622	340422	38918.8586730335	1909537.3170250766	36.474280921406	-100.6613231	357459.6519212365	4389945.13962765	2878.33831831918	2727.34889688173	2702.6947060216046	2703.167365232527	24.69415680168732	24.21751346042261
623	340423	39578.8586730335	1909537.3170250766	36.474253181329	-100.6589808	357660.5186611844	4389941.12030766	2880.4898524861	2725.578731265574	2700.910144141381	2701.249636179915	24.6683170296256	24.32990559452528
624	340424	40238.8586730335	1909537.3170250766	36.47422561916132	-100.6566385	357861.5100023467	4389937.14922106	2886.295444938376	2723.74373186154	2699.22656429129	2699.3064244317019	25.145628944103	24.34679074
625	340425	40898.8586730335	1909537.3170250766	36.474198042481	-100.6542867	358062.4947676325	4389933.00966416	2887.186934954408	2721.436195404408	2698.35295444008	2698.107988133891	25.38325698854946	24.328598854946
626	340426	41558.8586730335	1909537.3170250766	36.4741697370398	-100.6519358	358263.4526567894	4389929.07304878	2886.09592833063	2720.01319294053	2694.990957565706	2694.72035982818	25.0022172332188	25.28093536234594
627	340427	42218.8586730335	1909537.3170250766	36.4741410168857	-100.6496116	358464.4291945299	4389925.06480089	2886.47537304825	2718.1036476888156	2695.1075890335057	2694.94268330597	25.22962283305915	25.147024903875
628	340428	42878.8586730335	1909537.3170250766	36.4741118442035	-100.6472993	358665.40198632015	4389921.05058857	2885.398937123215	2716.1948756425636	2696.588610439875	2696.766752191444	19.6062520688064	19.42811124319184
629	340429	43538.8586730335	1909537.3170250766	36.4740821934384	-100.6449269	358866.3746243666	4389917.03603174	2884.3236470159227	2714.278575	2696.869735168386	2697.55721931444	16.6062520688064	16.7212007659497
630	340430	44198.8586730335	1909537.3170250766	36.4740521417409	-100.642584	359067.347267781	4389913.02267103	2884.288984849862	2712.368007703803	2696.322704671137	2697.31806118408	16.03530240274317	15.9394589319609
631	340431	44898.8586730335	1909537.3170250766	36.47402516116416	-100.6402843	359268.3746716325	4389909.00966416	2883.259444938376	2710.436195404408	2696.35295444008	2696.107988133891	15.38325698854946	15.28598854946
632	340432	45518.8586730335	1909537.3170250766	36.474000205105	-100.6379	359469.219306205	4389905.058719	2882.15651690271	2708.51651690271	2695.9308439207	2695.810457701316	14.8230373271753	13.66605382341578
633	340433	46178.8586730335	1909537.3170250766	36.47395919390945	-100.6355577	359670.26401313115	4389902.88233733	2883.1350501974603	2706.601975357107	2692.340281946263	2693.0969383047756	14.2616934845322	13.33213603433143
634	340434	46838.8586730335	1909537.3170250766	36.4739273062768	-100.6332154	359867.1236	4389896.97	2881.103647688156	2704.60491878905	2691.69210477007	2691.69210477007	14.5671799053448	12.99570831205485
635	340435	47498.8586730335	1909537.3170250766	36.47389496133	-100.6308731	360072.2073849133	4389892.957	2846.902660444113	2702.79428563817	2689.341057776676	2689.341057776676	13.4558087714093	12.967069281517
636	340436	48158.8586730335	1909537.3170250766	36.4738621734787	-100.6285308	360273.1795510492	4389890.84425954	2880.919217561176	2700.919217561176	2687.910105414045	2688.075118618026	13.08181316245822	12.84440394037763
637	340437	48818.8586730335	1909537.3170250766	36.473828528137	-100.6261858	360474.7511285528	4389884.532174227	2884.153762198129	2699.373518769954	2686.583155299647	2687.897412436283	12.45403847028705	11.398990462365117
638	340438	49478.8586730335	1909537.3170250766	36.4737952035791	-100.6238467	360675.1225716417	4389880.20146161	2882.782307757283	2697.1739613259478	2685.260991473806	2684.920217968984	13.0448993194563	12.818373271753
639	340439	50158.8586730335	1909537.3170250766	36.4737618084506	-100.6215039	360876.0938280987	4389876.90387459	2883.858422438199	2694.28194509231	2684.151502673025	2684.948676741927	11.7030778350515	12.702707766610535
640	340440	50798.8586730335	1909537.3170250766	36.4737264777533	-100.6191616	361077.0605853566	4389872.896727032	2882.464537586031	2693.4829921138403	2683.207852633042	2686.28615617862	10.27513940879316	7.26524729597814
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642	340442	52118.8586730335	1909537.3170250766	36.47365591482675	-100.614477	361479.070118101	4389864.67429802	2819.623142816975	2689.48412655515	2681.980223734968	2683.782871299018	6.50442552453315	6.065344903329115
643	340443	52778.8586730335	1909537.3170250766	36.4736194954979	-100.6121347	361679.97794987	4389860.63899103	2880.919217561176	2688.054338163153	2685.514035737175	2682.921312	6.004400906976062	5.131212403430962
644	340444	53438.8586730335	1909537.3170250766	36.4735835418583	-100.609724	361880.543833296	4389858.55275448	2880.919217561176	2686.27563	2680.919217561176	2681.66386181789	5.466103190280847	4.61379141960617
645	340445	54098.8586730335	1909537.3170250766	36.4735477945579	-100.607469	362081.818647663	4389852.7277341	2880.919217561176	2684.948676741927	2683.207852633042	2684.948676741927	4.61379141960617	
646	340446	54758.8586730335	1909537.3170250766	36.473503588491	-100.605178	362282.8938256519	4389848.83	2880.919217561176	2683.207852633042	2681.66386181789	2681.66386181789	4.61379141960617	
647	340447	55418.8586730335	1909537.3170250766	36.4734715885786	-100.6027655	362483.8595734982	4389844.82205271	2880.919217561176	2681.66386181789	2681.6638618			

ix	iy	ix	iy	X.Yt	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHtElev.f	SatHtBoth.f	
729	330	241189	110198.85867307335	1009537.3170250766	39.46848345294205	-100.4106978	378962.9904	4389516.768396831	2655.3916726262058	2579.346634358436	2530.814438	2529.1863384145087	48.56020519423375	50.18829992133486		
730	330	241190	110198.85867307335	1009537.3170250766	39.4684791246664	-100.408355	379513.95038028574	4389512.770744294	2658.6212999304398	2578.2089700543968	2529.4149517618534	2527.9057794637983	48.56178474541036	50.29919170425926		
731	330	241191	110198.85867307335	1009537.3170250766	39.46848345388974	-100.406013	378634.9102714468	4389508.765978782	2667.0009626044773	2578.0009626044773	2529.4149517618534	2527.9057794637983	48.56178474541036	50.29919170425926		
732	330	241192	110198.85867307335	1009537.3170250766	39.46860720012606	-100.403671	379965.8700021006	4389504.75104062	2668.020933110042	2575.761433240623	2529.3076474670703	2527.74304332633	51.84390362051574	53.0372776658768		
733	330	241193	112178.85867307335	1009537.3170250766	39.46863051483404	-100.4013287	379766.82971032755	4389500.804568292	2673.20998449457524	2574.4625487736607	2523.8513261046087	2522.5072301953497	50.16122266950204	51.9553717853109		
734	330	241194	112838.85867307335	1009537.3170250766	39.4684653765551	-100.3989864	379967.78854370057	4389496.81033414	2678.3930948781824	2573.13351619383	2521.591348414992	2520.96635730391174	52.16897008171894	54.68176576199567		
735	330	241195	114158.85867307335	1009537.3170250766	39.4683757577596	-100.3964442	380168.7486926571	4389492.82334519	2680.419132888607	2571.771627	2518.118388673893	2516.91329056032	53.65323286	54.85836328079045		
736	330	241196	114158.85867307335	1009537.3170250766	39.4682974274966	-100.3943109	380369.70801313093	4389488.434	2679.2702734886957	2570.370358917737	2516.787092	2515.659939	53.68594298133654	54.673945426863914		
737	330	241197	114818.85867307335	1009537.3170250766	39.4682195477173	-100.3916598	380576.8672600225	4389484.844	2678.121437111845	2568.9414378357333	2515.394263120854	2514.138640365424	53.67234715647846	54.68195780237909		
738	330	241198	114818.85867307335	1009537.3170250766	39.4681402384377	-100.3896174	380771.62531371716	4389480.54585251	2677.472568718228	2567.487278726204	2513.99610824182	2513.836716520396	53.6821169502381	53.63465003252135		
739	330	241199	116138.85867307335	1009537.3170250766	39.4680600697655	-100.3872751	380972.585294234	4389476.86524602	2667.555375419907	2565.86523977306	2507.09510555585	2505.9157231622	58.8904324172105	60.31437096		
740	330	242001	116798.85867307335	1009537.3170250766	39.4679814043797	-100.3849328	381173.541618714	4389476.87208491	2670.86980041007	2564.46104636313	2504.666777357374	2503.48528028904	59.79932712787864	60.98024308212469		
1	331	24201	-370941.1431	1009537.3170250766	39.462172866457024	-102.1158455	376224.528452845	439263.96054592	3578.605583881407	3575.605583881407	3513.56650994731	3514.883671880016	63.72191200812449	63.72191200812449		
2	331	24202	-370281.1431	1009537.3170250766	39.46218245195692	-102.1135038	376225.628695642	439263.96054592	3573.594041349553	3573.594041349553	3511.764737292725	3513.874410654058	61.82969371468274	59.71796027805406		
3	331	24203	-369621.1431	1009537.3170250766	39.46222364	-102.111617	376226.728695642	439263.96054592	3568.85795937368	3567.85795937368	3512.936914876294	3513.04062117773	56.82103697473916	56.821755576199567		
4	331	24204	-368961.1431	1009537.3170250766	39.4622489516477	-102.108818	376227.8220537674	439263.96054592	3567.39623277757	3567.39623277757	3509.84027094699	3509.634720115599	57.55602487287797	57.5561262		
5	331	24205	-368301.1431	1009537.3170250766	39.462272758046	-102.106479	376228.916311554	439263.96054592	3562.954314581387	3562.954314581387	3509.963043	3509.261456167405	54.97147188936604	55.67305841398229		
6	331	24206	-367641.1431	1009537.3170250766	39.4622994547675	-102.104136	376229.016057212	439263.96054592	3562.4779635196	3562.4779635196	3507.75306455673	3507.419835406793	51.7414893963001	55.052960395416705		
7	331	24207	-366981.1431	1009537.3170250766	39.46234637144	-102.101784	376230.112686381	439263.96054592	3560.5912956049	3560.5912956049	3506.419771425648	3506.12698879904	54.7193814340126	54.4782308		
8	331	24208	-366321.1431	1009537.3170250766	39.46234973421294	-102.0994521	376231.2090523543	439263.96054592	3559.313514132946	3559.313514132946	3504.81506869537	3504.555103419078	54.735047434089	54.735047434089		
9	331	24209	-365661.1431	1009537.3170250766	39.46234748489004	-102.0971102	376232.30451579489	439263.96054592	3558.02789869428	3558.02789869428	3504.81506869537	3503.75128760625	52.31462184	52.31462184		
10	331	24210	-365001.1431	1009537.3170250766	39.46233991111776	-102.094783	376233.40040993526	439263.96054592	3556.7228620738	3556.7228620738	3502.803167593584	3501.9713211071	53.6384650132655	54.8246505		
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13	331	24213	-363021.1431	1009537.3170250766	39.46234747368897	-102.0877425	376236.688335326	439263.96054592	3549.6812207414184	3549.6812207414184	3498.328142548274	3497.88185	51.306791814425	51.8093829		
14	331	24214	-362361.1431	1009537.3170250766	39.46234996436	-102.0854006	376237.781749323	439263.96054592	3547.127918209114	3547.127918209114	3497.589578	3497.29173225567	49.5383406884128	49.739396834575		
15	331	24215	-361701.1431	1009537.3170250766	39.46234443673491	-102.0830586	376238.8762471777	439263.96054592	3544.902202041618	3544.902202041618	3497.1729251837956	3496.947113905047	47.9550813279536	47.9550813279536		
16	331	24216	-361041.1431	1009537.3170250766	39.4623498466683	-102.0807167	376239.97051079175	439263.96054592	3543.014070433375	3543.014070433375	3496.15370150447	3496.113400944864	46.8608138492996	46.8608138492996		
17	331	24217	-360381.1431	1009537.3170250766	39.4623498466683	-102.078476	376240.7858245406	439263.96054592	3541.125838765472	3541.125838765472	3494.52047445424	3494.52047445424	46.8608138492996	46.8608138492996		
18	331	24218	-359721.1431	1009537.3170250766	39.4623498466683	-102.076238	376241.591815818	439263.96054592	3539.237801271774	3539.237801271774	3492.72472414138	3492.72472414138	46.8608138492996	46.8608138492996		
19	331	24219	-359061.1431	1009537.3170250766	39.46232391410025	-102.073869	376242.5517312736	439263.96054592	3538.0662394045785	3538.0662394045785	3490.505387202236	3490.425144813717	47.56570086434485	47.56570086434485		
20	331	24220	-358401.1431	1009537.3170250766	39.46247885245395	-102.0713489	376243.344846869	439263.96054592	3537.6112355970613	3537.6112355970613	3489.06426569209	3488.91348205703	48.5480902785231	48.6979417833926		
21	331	24221	-357741.1431	1009537.3170250766	39.4624733834114	-102.069007	376244.437905283	439263.96054592	3537.1562317895437	3537.1562317895437	3488.156506360927	3488.156506360927	49.99972515340508	49.22586079542054		
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23	331	24223	-356421.1431	1009537.3170250766	39.46237139531774	-102.0642331	376246.6835545402	439263.96054592	3535.81649474979	3535.81649474979	3487.30947543912	3487.000804072883	50.02067712342554	50.02067712342554		
24	331	24224	-355761.1431	1009537.3170250766	39.46237139531774	-102.061981	376247.7858245406	439263.96054592	3534.90192474454	3534.90192474454	3486.17852474454	3486.17852474454	50.02067712342554	50.02067712342554		
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27	331	24227	-353781.1431	1009537.3170250766	39.46281877538162	-102.0549553	376250.9901729273	439263.96054592	3530.52673366419	3530.52673366419	3487.432503123914	3487.29898	3487.09718699137	41.1143824466536		
28	331	24228	-353121.1431	1009537.3170250766	39.4628403072988	-102.0526134	376251.8305481307958	439263.96054592	3529.17186796203	3529.17186796203	3486.9837839094893	3486.97470072525	49.7057021062329	49.2208077549767		
29	331	24229	-352461.1431	1009537.3170250766	39.46281877538162	-102.0502714	376252.1728327685	439263.96054592	3528.701227802025	3528.701227802025	3485.91631508793	3485.72943298094	38.2070511799365	38.4924232699265		
30	331	24230	-351801.1431	1009537.3170250766	39.46281877538162	-102.0474295	376253.267957712	439263.96054592	3527.803157479118	3527.803157479118	3485.7643454347	3485.7643454347	41.1143824466536	41.1143824466536		
31	331	24231	-351141.1431	1009537.3170250766	39.46281877538162	-102.045181	376254.367957712	439263.96054592	3526.90860261454	3526.90860261454	3484.78392178115	3484.78392178115	41.1143824466536	41.1143824466536		
32	331	24232	-350481.1431	1009537.3170250766	39.46281877538162	-102.042935	376255.467957712	439263.96054592	3526.01357							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKft	BRrElevBothKft	SatHtLogsKft	SatHtBothKft
115	331	244315	-295071.1413	10101937.310250766	36.4447780058336	-101.848579	55548.039952580	4392211.50688105	3665.231703767106	318.210652858198	3387.1689583990983	3387.72824424470623	31.041694187099893	30.482408393135873
116	331	244316	-295041.1413	10101937.310250766	36.44478625171375	-101.848518	55547.10955130368	4392207.37583151	3662.825483851913	317.2067751070654	3389.413577	3389.7976930060096	27.79319776265198	29.407005806404868
117	331	244317	-295081.1413	10101937.310250766	36.44481846510416	-101.852737	55550.1780075968	4392203.344713092	3661.9419246	316.21867107034	3390.1500765219814	3390.7490526259562	26.3164892413883	34.3511246800526
118	331	244318	-295271.1413	10101937.310250766	36.44483861675324	-101.848136	55551.24965210667	4392199.11407695	3662.50035515267	315.240475481645	3382.5890527923657	3370.905174136768	32.7005276992714	44.33890134485682
119	331	244319	-295301.1413	10101937.310250766	36.44485873165223	-101.8394895	55632.31500077184	4392194.984	3664.651877393193	314.284578879194	3376.0880124844457	3355.11103697358	38.196666387468465	59.17354317437912
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121	331	244321	-295141.1413	10101937.310250766	36.44488883	-101.8384054	55675.45103056286	4392186.73339288	3644.805375702445	312.4094631553976	3362.8749565646107	3346.11036280107	36.7994675907862	66.29909449279587
122	331	244322	-2951081.1413	10101937.310250766	36.44491808858	-101.832463	55695.51868055702	4392182.923921252	3640.070748	311.4963272118237	3356.340488360284	3343.901481972926	56.155883651539784	67.59944023269709
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124	331	244324	-289761.1413	10101937.310250766	36.44495862748848	-101.8277197	55737.65327412184	4392174.735037534	3643.624039735118	309.731812434418	3343.182355064444	3337.0094867369532	72.7218038154543	
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126	331	244326	-288441.1413	10101937.310250766	36.44498299114815	-101.8230949	55779.78690492356	4392166.07245162	3651.550916	308.0430424329546	3329.09838861894	3327.785878077878	78.9340451467513	80.1556569416681
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130	331	244330	-285801.1413	10101937.310250766	36.450770043758	-101.8137265	55854.05129817888	4392149.564364235	3638.673673229645	304.740123607418	3326.3634034045455	3326.01391386163	78.4308332015727	76.7628147
131	331	244331	-285141.1413	10101937.310250766	36.450961847066	-101.8113844	55875.61168012426	4392145.43669007	3637.645962117037	304.0112353147315	3325.960822893034	3327.5899419466928	78.0904124643976	76.42129338083873
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133	331	244333	-283821.1413	10101937.310250766	36.45135596147	-101.806702	55917.24708981448	4392137.18204896	3642.0258679838	302.466103311781	3324.3454117871383	3327.0198692802078	78.1206917246271	75.44623423175881
134	331	244334	-283161.1413	10101937.310250766	36.451505285175	-101.8043581	55938.3117779724	4392130.51240025	3641.21825	301.704306040544	3323.2032813840134	3326.361573078344	76.001023440134	75.4462320269251
135	331	244335	-282501.1413	10101937.310250766	36.4517441684284	-101.802016	55959.764286154	4392128.92839271	3645.156693692037	300.4073710548545	3321.939613725823	3325.597398275568	79.0080849281435	75.3497648792861
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146	331	244346	-275241.1413	10101937.310250766	36.4538473181864	-101.7762528	56178.0706869007	4392083.54951272	3623.36335267379	300.393807080751	3303.08904569547	3302.7049545557993	89.28212557890447	63.58143359400047
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148	331	244348	-273921.1413	10101937.310250766	36.4542323848649	-101.7715868	56218.194066397	4392075.30193285	3624.5656867135237	300.393807080751	3302.7049545557993	3302.7049545557993	89.28212557890447	63.58143359400047
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152	331	244352	-271281.1413	10101937.310250766	36.4549714128241	-101.7622001	56298.743494233	4392058.809110367	3627.44691171528	300.393807080751	3302.7049545557993	3302.7049545557993	89.28212557890447	63.58143359400047
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157	331	244357	-267981.1413	10101937.310250766	36.4558930527451	-101.7505897	56402.31984233055	4392038.1984233055	3627.44691171528	300.393807080751	3302.7049545557993	3302.7049545557993	89.28212557890447	63.58143359400047
158	331	244358	-267321.1413	10101937.310250766	36.4560792122266	-101.7481473	56423.76710109485	4392034.077	3628.3473141590434	300.393807080751	3302.7049545557993	3302.7049545557993	89.28212557890447	63.58143359400047

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SatHLogKrg.ft	SatHBoth.ft
241	331	244441	-212541.1413	10101937.310250766	39.46497372679399	-101.5537466	280880.914814816014	3193162.796357848	3488.3385913712636	325.25049348489508	3173.110460145889	3175.791485649246	122.1400333906157	119.510747492002619
242	331	244442	-211881.1413	10101937.310250766	39.46496782331838	-101.5514004	281081.9544761095	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
243	331	244443	-211221.1413	10101937.310250766	39.4649620327798416	-101.5480622	281280.2924	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
244	331	244444	-210561.1413	10101937.310250766	39.4647067865524408	-101.54672	281484.0344687359	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
245	331	244445	-209901.1413	10101937.310250766	39.464703120075458	-101.5443777	281685.0742698581	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
246	331	244446	-209241.1413	10101937.310250766	39.46470354690417	-101.5420355	281886.1137812814	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
247	331	244447	-208581.1413	10101937.310250766	39.4647035882800286	-101.5396933	282087.1529917585	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
248	331	244448	-207921.1413	10101937.310250766	39.46470417905957	-101.5373711	282288.19203140936	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
249	331	244449	-207261.1413	10101937.310250766	39.4647042327798416	-101.5350808	282489.2365970584	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
250	331	244450	-206601.1413	10101937.310250766	39.4647102591507895	-101.5326662	282690.2694899074	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
251	331	244451	-205941.1413	10101937.310250766	39.464711673391407	-101.5303244	282891.3078671587	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
252	331	244452	-205281.1413	10101937.310250766	39.4647130831072026	-101.5279821	283092.3460520912	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
253	331	244453	-204621.1413	10101937.310250766	39.46471488	-101.5256399	283293.3840237026	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
254	331	244454	-203961.1413	10101937.310250766	39.4647158889643116	-101.5233977	283494.4217824051	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
255	331	244455	-203301.1413	10101937.310250766	39.4647172851056204	-101.5209585	283695.4582835369	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
256	331	244456	-202641.1413	10101937.310250766	39.4647186776722098	-101.5186132	283896.4966170345	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
257	331	244457	-201981.1413	10101937.310250766	39.464720063813739	-101.516271	284097.5337827215	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
258	331	244458	-201321.1413	10101937.310250766	39.464721463380538	-101.5139287	284298.570	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
259	331	244459	-200661.1413	10101937.310250766	39.4647228244224976	-101.5115865	284499.6073884769	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
260	331	244460	-200001.1413	10101937.310250766	39.4647241979396114	-101.5092443	284700.6437836465	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
261	331	244461	-199341.1413	10101937.310250766	39.464725669318927	-101.506902	284901.6804712817	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
262	331	244462	-198681.1413	10101937.310250766	39.46472693195297	-101.5045598	285102.7162055887	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
263	331	244463	-198021.1413	10101937.310250766	39.464728204582481	-101.5022182	285303.750077872	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
264	331	244464	-197361.1413	10101937.310250766	39.46472956759574	-101.4998753	285504.787010446	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
265	331	244465	-196701.1413	10101937.310250766	39.464730997652428	-101.4975331	285705.8231306049	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
266	331	244466	-196041.1413	10101937.310250766	39.46473244002402	-101.4951908	285906.85834966175	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
267	331	244467	-195381.1413	10101937.310250766	39.464733888683553	-101.4928486	286107.8935842174	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
268	331	244468	-194721.1413	10101937.310250766	39.464735023181818	-101.4905064	286308.9281579091	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
269	331	244469	-194061.1413	10101937.310250766	39.46473638830223	-101.4881641	286509.9562745874	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
270	331	244470	-193401.1413	10101937.310250766	39.46473769478514	-101.4858212	286710.9971249872	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
271	331	244471	-192741.1413	10101937.310250766	39.4647390077873965	-101.4834796	286912.0313	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
272	331	244472	-192081.1413	10101937.310250766	39.46474032706175	-101.4811374	287113.0652545762	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
273	331	244473	-191421.1413	10101937.310250766	39.46474164190076	-101.4787951	287314.09900628234	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
274	331	244474	-190761.1413	10101937.310250766	39.464742952069095	-101.4764529	287515.544400807	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
275	331	244475	-190101.1413	10101937.310250766	39.464744257122846	-101.4741106	287716.1688253259	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
276	331	244476	-189441.1413	10101937.310250766	39.46474558382481	-101.4717284	287917.190073872	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
277	331	244477	-188781.1413	10101937.310250766	39.464746855429968	-101.4694261	288118.219250202	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
278	331	244478	-188121.1413	10101937.310250766	39.46474814796315	-101.4670839	288319.26463411667	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
279	331	244479	-187461.1413	10101937.310250766	39.46474950340892	-101.4647416	288520.2973135887	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
280	331	244480	-186801.1413	10101937.310250766	39.464750718006576	-101.4623994	288721.3294290429	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
281	331	244481	-186141.1413	10101937.310250766	39.46475198511997	-101.4600571	288923.36515152857	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
282	331	244482	-185481.1413	10101937.310250766	39.464753250525445	-101.4577149	289123.393943226	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
283	331	244483	-184821.1413	10101937.310250766	39.464754513027681	-101.4553784	289324.42074778	3193168.694	3486.221743311734	325.03028975986	3172.2936014302586	3174.6642815397439	121.63498743597238	119.26600723624233
284	331	244484	-184161.1413	10101937.310250766	39.46475580489298	-101.4530033	289525.4553316064	3193168.694	3486.221743311734	325.030				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	BR ElevBothKrg.ft	BR ElevBothKrg.ft
367	331	244567	-129381.1413	10101937.310250766	36.48456019212771	-101.2586205	0062.1036782227736	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
368	331	244568	-128721.1413	10101937.310250766	36.48459004032904	-101.2562781	0064.1136413827	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
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370	331	244570	-127401.1413	10101937.310250766	36.4846766097937	-101.2515935	0068.14147465208	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
371	331	244571	-126741.1413	10101937.310250766	36.4848831342626	-101.2492512	0070.14260069973	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
372	331	244572	-126081.1413	10101937.310250766	36.4849380626476	-101.2469089	0072.15400842206	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
373	331	244573	-125421.1413	10101937.310250766	36.4850225027335	-101.2445666	0074.163507028816	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
374	331	244574	-124761.1413	10101937.310250766	36.48511179273804	-101.2422242	0076.14767680343	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
375	331	244575	-124101.1413	10101937.310250766	36.4851970711932	-101.2388618	0078.16147778178	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
376	331	244576	-123441.1413	10101937.310250766	36.4852819691133	-101.2375398	0080.1945697648	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
377	331	244577	-122781.1413	10101937.310250766	36.48536637856736	-101.2351973	0082.20757304088	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
378	331	244578	-122121.1413	10101937.310250766	36.4854503334914	-101.232855	0084.208415207	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
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380	331	244580	-120801.1413	10101937.310250766	36.4856169189031	-101.2281703	0088.2540134041	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
381	331	244581	-120141.1413	10101937.310250766	36.48569949120294	-101.225828	0090.2589992088	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
382	331	244582	-119481.1413	10101937.310250766	36.4857813808944	-101.2234857	0092.2576984163	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
383	331	244583	-118821.1413	10101937.310250766	36.4858633245596	-101.2211434	0094.268613607	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
384	331	244584	-118161.1413	10101937.310250766	36.48594546743219	-101.218801	0096.27943405046	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
385	331	244585	-117501.1413	10101937.310250766	36.4860253636732	-101.2164587	0098.2606787697	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
386	331	244586	-116841.1413	10101937.310250766	36.4861057005137	-101.2141164	0100.26176371265	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
387	331	244587	-116181.1413	10101937.310250766	36.4861855848431	-101.2117741	0102.26380380536	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
388	331	244588	-115521.1413	10101937.310250766	36.486265	-101.2094317	0104.31638975068	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
389	331	244589	-114861.1413	10101937.310250766	36.4863499969766	-101.2070919	0106.32957895835	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
390	331	244590	-114201.1413	10101937.310250766	36.4864225276254	-101.2047471	0108.36149969075	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
391	331	244591	-113541.1413	10101937.310250766	36.4865000704565	-101.2024047	0110.37402202253	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
392	331	244592	-112881.1413	10101937.310250766	36.4865788	-101.2000624	0112.352682736456	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
393	331	244593	-112221.1413	10101937.310250766	36.486655380763	-101.1977201	0114.3666925	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
394	331	244594	-111561.1413	10101937.310250766	36.48673210462336	-101.1953773	0116.37702510133	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
395	331	244595	-110901.1413	10101937.310250766	36.486819302684	-101.1930378	0118.37812723438	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
396	331	244596	-110241.1413	10101937.310250766	36.4869018078024	-101.1906711	0120.3871910901	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
397	331	244597	-109581.1413	10101937.310250766	36.486985399898	-101.1883508	0122.40373359283	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
398	331	244598	-108921.1413	10101937.310250766	36.487034466867	-101.1860084	0124.41740576562	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
399	331	244599	-108261.1413	10101937.310250766	36.4871089007045	-101.183661	0126.427496362885	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
400	331	244600	-107601.1413	10101937.310250766	36.4871820025412	-101.1813238	0128.43758120375	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
401	331	244601	-106941.1413	10101937.310250766	36.48725641987	-101.1789814	0130.44767205913	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
402	331	244602	-106281.1413	10101937.310250766	36.4873285423429	-101.1765911	0132.45571756729	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
403	331	244603	-105621.1413	10101937.310250766	36.487402149375	-101.1742688	0134.46678	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
404	331	244604	-104961.1413	10101937.310250766	36.487474384095	-101.1719544	0136.4779022894	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
405	331	244605	-104301.1413	10101937.310250766	36.48754612319394	-101.1696121	0138.4801564163	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
406	331	244606	-103641.1413	10101937.310250766	36.4876171409783	-101.1672898	0140.48793734913	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
407	331	244607	-102981.1413	10101937.310250766	36.4876932848582	-101.1649274	0142.49250185	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
408	331	244608	-102321.1413	10101937.310250766	36.487758624193	-101.1625951	0144.51225958048	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	86.64179046884769
409	331	244609	-101661.1413	10101937.310250766	36.48783054768	-101.1602811	0146.5347976865	4391177.720891841	3188.0229763501543	3102.029513467354	3017.1750848639777	3015.3843399898687	3015.3843399898687	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtElevKrg.ft	SatHtBoth.ft
43	331	24693	-46221.14133	10101937.310250766	39.4920871062752	-100.9634852	31536.81325894242	4309666.26481665	3000.8360368742433	29.28210193867615	2894.833452909353	2914.428033064834	31.84848565261925	13.59309538271126
494	331	24694	-45561.14133	10101937.310250766	39.49211857119866	-100.9611429	331737.80586278904	4309662.712125921	2998.0458357826254	2982.261604592765	2914.334734569754	2916.9399758052627	33.7044203778935	9.341628767502032
495	331	24695	-44801.14133	10101937.310250766	39.492169507682	-100.9584069	331958.798033335	4309658.175215863	2994.624281880696	2984.543411278636	2898.4841783118684	2966.861174	35.10165026786747	17.682237414775688
496	331	24696	-44241.14133	10101937.310250766	39.4921801434771	-100.9564581	332190.88014034771	4309654.130923047	2988.977075024645	2922.80735691335	2898.2811076236426	2896.2425079030737	26.56484173012113	30.5448173012113
497	331	24697	-43581.14133	10101937.310250766	39.4922102508322	-100.9541158	332340.78269527183	4309650.086857301	2985.528126182628	2921.076981252839	2883.063550451027	2887.736473274636	33.34034808181865	33.340540145375144
498	331	24698	-42841.14133	10101937.310250766	39.4922309566426	-100.9517734	332541.7746	4309646.40318438	2981.0791812967136	2919.352094977538	2880.0132448355635	2881.19473	39.3880514197449	38.15736533455811
499	331	24699	-42261.14133	10101937.310250766	39.4922607019731	-100.949431	332742.7664363949	4309641.999406445	2978.2664592782027	2912.074210581884	2877.12151	2875.993907301249	40.50573099508665	41.63345340075144
500	331	24700	-41601.14133	10101937.310250766	39.4922978577592	-100.9474871	332943.7580634147	4309637.966	2977.0899580475205	2915.901272559433	2874.314703487414	2879.9613162589036	41.58656871072526	44.28810930035378
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502	331	24702	-40281.14133	10101937.310250766	39.4923539915575	-100.9424039	333345.7400313095	4309629.87	2974.7336959	2912.4004785709415	2868.531844253616	2863.971183	43.9085441557894	48.522458916221326
503	331	24703	-39621.14133	10101937.310250766	39.4923814	-100.9400616	333546.7302768806	4309625.82225042	2968.46577893328	2910.101085077623	2865.449752127079	2859.76870084865	45.25132350543566	50.35023421272825
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505	331	24705	-38301.14133	10101937.310250766	39.492434188546	-100.9353768	333948.7138712427	4309617.74249632	2935.7345551038663	2907.1947811840478	2859.453510386863	2856.9780180138175	47.43943014536144	52.65167371023029
506	331	24706	-37641.14133	10101937.310250766	39.4924609	-100.9330345	334149.7045282966	4309613.70472249	2920.3689303048465	2905.426341	2857.362857909497	2853.6149403977183	48.063483627633104	51.811400820816
507	331	24707	-36981.14133	10101937.310250766	39.492489456227	-100.9308621	334350.6992556894	4309609.658674939	2910.781568974171	2903.4656589846842	2856.4353429718676	2854.09427170019275	47.1212671281662	49.552342982769695
508	331	24708	-36321.14133	10101937.310250766	39.4925116522354	-100.9283497	334551.6853616596	4309605.617104431	2906.971371338143	2901.854105191654	2856.269277851788	2855.294630263364	45.58748262773757	46.5597396972002
509	331	24709	-35661.14133	10101937.310250766	39.4925324229914	-100.9260474	334752.67553731427	4309601.575767035	2903.1646803710567	2900.248991506129	2858.1798147915542	2856.40483874573029	44.869176714648	44.0006044875239
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511	331	24711	-34341.14133	10101937.310250766	39.4925842388803	-100.9213226	335154.655408123	4309593.493753589	2893.3931363429026	2896.33871812229	2856.8190887239066	2856.06258427223	39.57648938823254	39.4348562500614
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514	331	24714	-32361.14133	10101937.310250766	39.492652535244	-100.9142659	335765.62401619845	4309571.23420314	2902.011996555651	2907.2245450672434	2856.489167126765	2859.9553172178297	30.817647947028	30.817647947028
515	331	24715	-31701.14133	10101937.310250766	39.4926817801788	-100.911952	335969.623894554	4309562.332486015	2902.885541671089	2901.81111691617	2856.18978282973	2858.965781920518	31.4543847457573	31.4543847457573
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517	331	24717	-30381.14133	10101937.310250766	39.492717380546	-100.9072684	336360.59119414357	4309562.137821257	2918.113257139274	2891.5514931385775	2867.9853030114544	2868.44264090358	16.92524704219477	16.92524704219477
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520	331	24720	-28401.14133	10101937.310250766	39.4927778236959	-100.9002413	336963.5569393985	4309557.135945328	2908.213217551748	2878.8963515389686	2854.453838333426	2854.4538209904652	24.43796815562704	24.42924474407757
521	331	24721	-27741.14133	10101937.310250766	39.4927977035984	-100.8978989	337164.5450284136	4309549.280819654	2906.3200985930394	2907.2245450672434	2856.330092869979	2856.330092869979	31.89863164505152	31.89863164505152
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523	331	24723	-26421.14133	10101937.310250766	39.4928342063675	-100.8932142	337566.5212654656	4309540.2075663	2902.009901557467	2872.5750748266028	2858.938513	2858.938513	42.368621688396	44.080631382422
524	331	24724	-25761.14133	10101937.310250766	39.4928520958556	-100.8908719	337767.50905941945	4309540.983	2904.2962436697796	2907.4030031481716	2852.916232586455	2822.40613458614	47.0920038782608	47.0920038782608
525	331	24725	-25101.14133	10101937.310250766	39.4928696327936	-100.8885295	337968.4969604242	4309536.94070636	2916.591487584628	2868.19735	2819.7970984726935	2819.755118661385	47.40243043175545	47.40243043175545
526	331	24726	-24441.14133	10101937.310250766	39.4928865164488	-100.8861871	338169.8481757384	4309532.90770735	2928.76571298985	2865.95810638474	2818.865979774026	2818.70172151948	48.0920038782608	48.0920038782608
527	331	24727	-23781.14133	10101937.310250766	39.492903348581	-100.8838448	338370.4714989613	4309528.70344738	2934.184327728474	2863.686440532685	2818.746574378624	2818.746574378624	49.32315713017605	49.32315713017605
528	331	24728	-23121.14133	10101937.310250766	39.4929217217516	-100.8815014	338571.458965125	4309524.83336624	2938.895541671089	2931.81111691617	2856.18978282973	2856.18978282973	50.404575	50.404575
529	331	24729	-22461.14133	10101937.310250766	39.4929393489459	-100.87916	338772.456572343	4309520.7946813	2933.25415570341	2859.0425670107	2819.5511645497	2819.5511645497	39.7374953811084	39.7374953811084
530	331	24730	-21801.14133	10101937.310250766	39.4929492978842	-100.8768177	338973.432522968	4309516.75991546	2935.68511228038	2858.68511228038	2819.834763487012	2819.834763487012	37.1157508394042	37.1157508394042
531	331	24731	-21141.14133	10101937.310250766	39.49296464843205	-100.8744753	339174.41922731255	4309512.23598197	2935.261404909171	2932.260186758643	2820.181052137755	2819.81346478877	34.4768313045649	34.4768313045649
532	331	24732	-20481.14133	10101937.310250766	39.492978184558	-100.8721329	339375.4057696938	4309508.68742862	2946.670585269267	2931.8935641787248	2820.440290283857	2820.038677627118	31.4695548949637	31.4695548949637
533	331	24733	-19821.14133	10101937.310250766	39.4929927349549	-100.8697905	339576.392156673	4309504.651525859	2948.970566278632	2949.467440153601	2820.940296778372	2820.940296778372	38.55124462195385	38.55124462195385
534	331	24734	-19161.14133	10101937.310250766	39.4930030698298	-100.8674482	339773.375831697	4309500.81548792	2948.94584598457	2847.004141095112	2821.528093615929	2820.632886120733	29.4964301382427	26.3915279885727
535	331	24735	-18501.14133	10101937.310250766	39.4930169707864	-100.8651616	339974.358919546	4309496.3984555	2948.94584598457	2847.004141095112	2821.528093615929	2820.632886120733	29.4964301382427	26.3915279885727
536	331	24736	-17841.14133	10101937.310250766	39.4930314693059	-100.8627634	340179.3503630175	4309492.55174881	2948.94584598457	2847.004141095112	2821.528093615929	2820.632886120733	29.4964301382427	26.3915279885727
537	331	24737	-1718											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtLog.f	SatHtBoth.f	
619	631	244819	3989.8586730335	1010197.310250766	36.49244880591076	-00.6683467	356860.6625045655	4390158.105234075	2889.2818634739283	2703.553828026959	2709.0100378559146	2709.422668581568	21.543790171404293	21.131142173903778
620	631	244820	3989.8586730335	1010197.310250766	36.4924625059753	-00.6660044	357061.6361511354	4390154.394299437	2884.50168367217	2712.86964704137	2707.362755	2707.6823615231195	21.512140395939378	21.1214103091984483
621	631	244821	3989.8586730335	1010197.310250766	36.49247436053386	-00.6636962	357252.5086943477	4390150.278012118	2877.1983177591483	2715.96894529985	2705.96894529985	2715.96894529985	21.512140395939378	21.1214103091984483
622	631	244822	3989.8586730335	1010197.310250766	36.49249100421406	-00.6613196	357463.5625785636	4390146.3625785636	2874.941326747075	2725.46370481045	2703.629206200466	2704.018490248315	21.83077587998455	21.31763023663552
623	631	244823	3987.8586730335	1010197.310250766	36.4923831314385	-00.6589773	357664.5562677077	4390142.346862177	2871.115862562457	2723.696811347944	2701.882623986699	2702.213457880426	21.814817358245363	21.4835347
624	631	244824	4023.8586730335	1010197.310250766	36.492357562127	-00.6566349	357855.5294	4390138.31671381	2868.245478170034	2721.901719846503	2700.186931	2700.3162487223306	21.71480107610023	21.9254834702319667
625	631	244825	4098.8586730335	1010197.310250766	36.4923275624939	-00.6542926	358066.50223792547	4390134.16566827	2865.37494845615	2718.02489489998	2698.149619797426	2698.183738052097	21.93249512055327	21.8967314778823
626	631	244826	4158.8586730335	1010197.310250766	36.4922996841919	-00.6519502	358267.4515340114	4390130.30199684	2860.5048616017	2710.282897923943	2696.42159037614	2696.33086937188	21.821307595320377	21.9120130931555
627	631	244827	4218.8586730335	1010197.310250766	36.492279693369	-00.6496976	358468.4478473216	4390126.287	2857.21147541463	2716.387047197855	2696.026254337068	2696.074697819235	20.912436325894974	21.3018336586772
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663	631	24486												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogs.f	BRElevBothK.f	SatHLogs.f	SatHBoth.f
5	332	244945	-368301.1413	1010857.310250766	36.4408704435855	-102.1065109	23343.078874447	3429868.677573477	3570.124440980203	35.7510244440980203	3508.8979033507803	3508.1744608041976	61.1545074723997	66.8383259604438
6	332	244946	-367641.1413	1010857.310250766	36.4441127219405	-102.1041688	233634.18453799916	3429864.5086857795	3570.1800444689993	3570.1800444689993	3506.61323412714	3506.2754200243795	61.3674112265513	63.90522446485982
7	332	244947	-366981.1413	1010857.310250766	36.44415705479845	-102.1031626	233642.34854243545	3429864.5086857795	3570.1800444689993	3570.1800444689993	3506.18011680422	3506.867641794532	62.3446484313358	62.65816924103074
8	332	244948	-366321.1413	1010857.310250766	36.444116259	-102.0994846	233657.74704724865	3429856.203083001	3567.047490401779	3563.4380142547123	3505.4380142547123	3505.717969649494	63.6094714363691	63.8949143678141
9	332	244949	-365661.1413	1010857.310250766	36.444218764259784	-102.0971426	234237.47290665555	3429852.052	3566.50932700003	3566.50932700003	3505.46552529774	3502.2808537371866	63.10379517022205	64.2884669628165
10	332	244950	-365001.1413	1010857.310250766	36.44421731134616	-102.0948006	234438.5685025592	3429847.896436673	3561.891150999227	3564.8621819254944	3501.242625642399	3500.223451947545	63.75623323903226	64.35803773073992
11	332	244951	-364341.1413	1010857.310250766	36.44423732736919	-102.0924586	234639.66383546666	3429843.704010289	3564.089382818503	3562.8149695717066	3499.0223821610098	3498.15706948208	63.79258741	64.6579016541799
12	332	244952	-363681.1413	1010857.310250766	36.444262689163405	-102.0901166	234840.7589054845	3429839.58507741	3560.5640163508738	3560.5640163508738	3497.494284069472	3496.7143471896197	63.06999154401546	63.84969161125404
13	332	244953	-363021.1413	1010857.310250766	36.44427690031726	-102.0877746	235041.8371281765	3429835.368368031	3560.5640163508738	3560.5640163508738	3496.268227510417	3495.69276685557	61.34570334547005	62.65816924103074
14	332	244954	-362361.1413	1010857.310250766	36.44431246622069	-102.0854327	235242.94825747435	3429831.275958148	3553.51233288921	3553.51233288921	3496.268227510417	3495.908411522406	61.7256384112084	62.65816924103074
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17	332	244957	-360381.1413	1010857.310250766	36.444386792527875	-102.0784067	235846.23031944217	3429818.812557387	3543.8473040868245	3543.8473040868245	3494.4769974742362	3494.737662339023	60.23054112400856	60.23054112400856
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24	332	244964	-355761.1413	1010857.310250766	36.444558637130785	-102.0620127	237253.8793133903	3429789.782813624	3533.8952874489155	3533.8952874489155	3485.9005608519	3485.697302531915	60.47947313637672	60.19794386736173
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30	332	244970	-351801.1413	1010857.310250766	36.4447041810822	-102.0479616	238460.4254687825	3429764.82627811	3545.015940357912	3545.015940357912	3477.205052410561	3477.24231913046	60.41256735699161	61.36701533830406
31	332	244971	-351141.1413	1010857.310250766	36.444728248493054	-102.0456186	238661.5156611600	3429760.78707857	3556.687545180917	3556.687545180917	3471.049342153782	3471.049342153782	60.4057207	60.4057207
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38	332	244978	-346521.1413	1010857.310250766	36.44489679512515	-102.0292245	240069.1392276143	3429731.64781853	3582.92709867329	3582.92709867329	3454.129905310182	3454.129905310182	60.4057207	60.4057207
39	332	244979	-345861.1413	1010857.310250766	36.4449194179983	-102.0269884	240272.22077762317	3429727.478693373	3583.474943867329	3583.474943867329	3454.064024197308	3454.064024197308	60.4057207	60.4057207
40	332	244980	-345201.1413	1010857.310250766	36.44494310043614	-102.0246484	240471.3150751448	3429723.302735	3582.92709867329	3582.92709867329	3454.129905310182	3454.129905310182	60.4057207	60.4057207
41	332	244981	-344541.1413	1010857.310250766	36.44496744805965	-102.0221984	240672.4026500585	3429718.126216336	3581.96245311147	3581.96245311147	3453.528791934513	3453.528791934513	60.4057207	60.4057207
42	332	244982	-343881.1413	1010857.310250766	36.444990340411696	-102.0198563	240873.4989857886	3429715.034	3589.235650369296	3589.235650369296	3452.912598460745	3452.912598460745	60.4057207	60.4057207
43	332	244983	-343221.1413	1010857.310250766	36.4450138979321	-102.0175143	241074.576908584	3429710.88568524	3588.959712106956	3588.959712106956	3451.554376581944	3451.554376581944	60.4057207	60.4057207
44	332	244984	-342561.1413	1010857.310250766	36.445037406610754	-102.0151723	241275.6637609618	3429706.73766497	3588.475875559593	3588.475875559593	3450.9471702081295	3450.9471702081295	60.4057207	60.4057207
45	332	244985	-341901.1413	1010857.310250766	36.44506170047747	-102.0128302	241476.7501855624	3429702.9007775	3584.01545940237	3584.01545940237	3449.62624671356	3449.62624671356	60.4057207	60.4057207
46	332	244986	-341241.1413	1010857.310250766	36.4450842882499	-102.0104882	241677.8344040847	3429698.426419565	3581.96245311147	3581.96245311147	3449.62624671356	3449.62624671356	60.4057207	60.4057207
47	332	244987	-340581.1413	1010857.310250766	36.4451073019614	-102.008194	241879.934987614	3429694.1935196	3581.96245311147	3581.96245311147	3449.62624671356	3449.62624671356	60.4057207	60.4057207
48	332	244988	-339921.1413	1010857.310250766	36.445130890599	-102.0058401	242080.081824063	3429690.14835198	3581.96245311147	3581.96245311147	3449.62624671356	3449.62624671356	60.4057207	60.4057207
49	332	244989	-339261.1413	1010857.310250766	36.4451542713475	-102.0034621	242281.093670588	3429686.01628844	3582.860212952734	3582.860212952734	3449.6262467135			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVOrthKrg.f	SatHtLog.f	SatHtBoth.f
131	332	245071	-285141.1413	1010857.310250766	39.46490947099761	-101.8114097	258769.2549344172	4323346.750766973	3631.8080831577905	335.5763993787816	3325.9103098917745	3328.1118001419195	77.6652489920074	75.4383983186206
132	332	245072	-284841.1413	1010857.310250766	39.46492896227147	-101.8090679	258970.3199550417	4323242.32113451	3635.5097198853704	3402.81963524544	3325.087260546243	3327.8762072693445	77.7324329429947	74.9434259126065
133	332	245073	-283821.1413	1010857.310250766	39.46494848021122	-101.8068126	259171.384739435	4323238.49618	3638.21096611702	3402.971638039856	3324.0271449931018	3323.1763780022455	78.0498812448945	74.84846370371003
134	332	245074	-283161.1413	1010857.310250766	39.46496791694968	-101.8043832	2593272.4402851269	4323334.364894912	3642.9114793417006	3401.329903206148	3322.7869445095185	3326.3345579722346	78.2582573722706	74.995267183144665
135	332	245075	-282501.1413	1010857.310250766	39.46498730844251	-101.8020411	259573.51359343024	4323330.241333581	3644.6827217783015	3400.5959102088964	3321.3863959539251	3325.06176	79.2095560665452	75.49340547064618
136	332	245076	-281841.1413	1010857.310250766	39.46497065468973	-101.7996898	259747.577667437394	4323326.114800204	3644.524488132053	3399.869298	3319.7567611526183	3324.3733043279094	80.1123678003186	75.5941560355976
137	332	245077	-281181.1413	1010857.310250766	39.46492556919226	-101.7973567	259975.6149824882	4323231.988	3644.366148067096	3399.1498114893084	3318.0034318293374	3323.7619929208	81.1637969599079	75.43119857
138	332	245078	-280521.1413	1010857.310250766	39.46470521144708	-101.7950146	260176.7050925311	4323177.862023272	3640.27880013906	3398.4371340557977	3316.3609049454594	3323.637569562987	82.06806457120365	74.7995644878798
139	332	245079	-279861.1413	1010857.310250766	39.4646442195714	-101.7926724	260377.76845552976	432313.735979197	3642.71891617811	3397.730720788547	3315.7347405516236	3323.7347405516236	82.9680777885747	74.8694877389975
140	332	245080	-279201.1413	1010857.310250766	39.4647052722141	-101.7903202	260578.83157935002	4323039.61160504	3643.89891873517	3397.029934572107	3313.045327247055	3324.085198	83.9645359695371	72.54476579859565
141	332	245081	-278541.1413	1010857.310250766	39.46471027703386	-101.7879881	260779.8494669573	4323035.48482321	3637.0755641420245	3396.3343953149289	3311.0368025923047	3323.433695345673	83.8240320226163	71.8999630653146
142	332	245082	-277881.1413	1010857.310250766	39.46471217201242	-101.7856459	260890.95211813777	4323031.359224891	3634.2542734042118	3395.6423521863976	3308.8594090437113	3323.82008892911	86.7829422829634	71.84026232948671
143	332	245083	-277221.1413	1010857.310250766	39.464714081153911	-101.7833307	261102.0196340024	4322927.234104564	3632.685831060257	3394.9521635052865	3307.1382614220693	3325.155299882617	87.79686362201277	71.79686362201277
144	332	245084	-276561.1413	1010857.310250766	39.46471597958194	-101.7809615	261383.0817139698	4322923.10210527	3632.370219187497	3394.261134971177	3305.4437064002973	3320.437289272468	88.7007790629636	73.8243242464044
145	332	245085	-275901.1413	1010857.310250766	39.46471784584565	-101.7786194	261584.1436594915	4322898.96456374	3632.0540877891875	3393.5683276574127	3303.736215514453	3314.502295	90.1887070506741	70.0695305040277
146	332	245086	-275241.1413	1010857.310250766	39.46472018243326	-101.7762772	261785.2053677724	4322844.80112097	3631.7389953907295	3392.869810702528	3301.622180332947	3309.2747485408297	91.2476303538808	83.5922325
147	332	245087	-274581.1413	1010857.310250766	39.46472167186035	-101.773935	261986.268492108	4322776.5907692	3632.510828412626	3392.1635959784232	3300.524938755743	3308.8295391122706	91.6386210284907	83.33402067
148	332	245088	-273921.1413	1010857.310250766	39.46472352048264	-101.7715928	262187.320814361	432276.7611933148	3634.370174040626	3391.442711837395	3298.9304025029494	3307.3047349975754	92.5160978409031	84.1467468392927
149	332	245089	-273261.1413	1010857.310250766	39.4647250438533134	-101.7692507	262388.389086231	432272.48814858	3636.22935344004	3390.794796446556	3297.209695	3306.45750061139	93.50978428728553	82.37192908
150	332	245090	-272601.1413	1010857.310250766	39.46472751137347	-101.7669085	262589.448965132	432268.366476316	3638.088638394613	3389.978480931513	3295.5783628841946	3308.338459974366	94.40451871817	83.529358
151	332	245091	-271941.1413	1010857.310250766	39.46472911889505	-101.7646563	262790.510927839	432260.11388341	3637.95907304176	3389.237278802565	3293.6745843505657	3305.35333402807	95.5491444749784	83.8703393975672
152	332	245092	-271281.1413	1010857.310250766	39.46471004120751	-101.7622241	262991.570694509	4322521.24383143	3635.84061304188	3388.45925552529	3291.61987396816	3302.994721778576	96.6359525849303	85.4581576766784
153	332	245093	-270621.1413	1010857.310250766	39.4646442195714	-101.7598724	263192.607930374	4322492.11982748	3638.958532782493	3387.845033926824	3289.658302749047	3301.98276	97.41232705	86.14232705
154	332	245094	-269961.1413	1010857.310250766	39.46474711009247	-101.7575398	263393.9605981004	4322351.87212569	3631.63369500212	3386.96079226444	3288.071018615735	3298.264084744387	98.7887736467095	85.8965495
155	332	245095	-269301.1413	1010857.310250766	39.46473550665484	-101.7551976	263594.75019949535	4322247.75054852	3629.91875376038	3386.0384019891185	3285.997727	3295.537455319176	100.0407645026385	90.50045645720093
156	332	245096	-268641.1413	1010857.310250766	39.464738047799212	-101.7528554	263795.8065671255	4322342.638	3628.860106001678	3385.198449956526	3283.917916002466	3292.725931	101.023095337934	94.4272188159192
157	332	245097	-267981.1413	1010857.310250766	39.46474024740732	-101.7505132	263996.868702567	432227.395604817	3627.781524627317	3384.39746540388	3281.3868718645613	3289.8867739021716	102.9528746758269	94.292583621658
158	332	245098	-267321.1413	1010857.310250766	39.464742082490609	-101.748171	264197.9270654363	4322235.34824848	3626.67634925597	3383.4614874965487	3278.953676479478	3287.951040889041	103.750381707082	96.3614060750757
159	332	245099	-266661.1413	1010857.310250766	39.46474391304939	-101.7458286	264398.8662753558	432219.21982748	3624.757307656587	3382.549831826587	3276.1108463123464	3286.9481981874953	104.85339414327	98.0747207
160	332	245100	-266001.1413	1010857.310250766	39.4647458040128655	-101.7434866	264600.4049128655	432217.1423109	3623.914213854954	3381.674213854954	3275.25869063933	3285.25869063933	105.8935815855404	99.3887571196577
161	332	245101	-265341.1413	1010857.310250766	39.464747650953743	-101.7411444	264801.103018287	432223.021176093	3614.2914520622927	3380.71230742067	3271.199633271656	3280.753781601054	105.91267441490154	99.95825633196171
162	332	245102	-264681.1413	1010857.310250766	39.4647493775805	-101.7388022	265002.160991764	432218.90041838	3609.5584263612	3379.7591688147054	3268.852953219946	3280.54416060298	110.90057349271708	99.1951527443562
163	332	245103	-264021.1413	1010857.310250766	39.464751190038636	-101.73646	265203.2187	432212.749993133	3605.723871742899	3378.788326532325	3266.60709293501	3282.48436816235	111.1821341823149	96.361404908737
164	332	245104	-263361.1413	1010857.310250766	39.464752998	-101.7341178	265404.27624372364	432210.75993373	3602.78735405292	3377.800163857034	3264.613191	3287.05453368133	113.1871254303526	95.740317503403
165	332	245105	-262701.1413	1010857.310250766	39.464754801384804	-101.7317798	265695.3352267123	4322026.35925546	3599.850787581284	3376.78706842182	3262.98350549007	3290.567328499297	113.813633728751	96.2397398
166	332	245106	-262041.1413	1010857.310250766	39.46475670708214	-101.729434	265896.290730374	432199.21982748	3598.91423002477	3375.940033926824	3261.806274975416	3287.951040889041	114.033784711473	98.0747207
167	332	245107	-261381.1413	1010857.310250766	39.46475863632311	-101.7271912	266007.4473827846	432196.97545232314	3597.95452323622	3374.87531396296	3260.749658198167	3287.951040889041	114.12655545465284	98.451278358627
168	332	245108	-260721.1413	1010857.310250766	39.46476018449048	-101.724749	266208.5039734026	432194.18059096	3590.831453214987	3373.893042024823	3259.930410699298	3286.051569681434	113.96339352118412	87.8416052
169	332	245109	-260061.1413	1010857.310250766	39.46471969871103	-101.7224068	266409.5603209936	432191.15056049	3571.08838109067	3372.8998707683418	3258.127965644674	3281.23590260988	113.9179051038746	91.6639014735372
170	332	245110	-259401.1413	1010857.310250766	39.46473751	-101.7200646	266610.616454474	432185.94321188	3561.34530896704	3371.884716619657	3258.290564076873	3276.6759271194948	115.0688217427383	95.221155420192
171	332	245111	-258741.1413	1010857.310250766	39.464765288311496	-101.7177224	266811.6723497685	432181.92496141	3554.280882985763	3370.8866380162	3257.393120069221	3271.33120069221	115.5475128593221	95.85546230792064
172	332	245112	-258081.1413	1010857.310250766	39.4647672801583	-101.7153802	267017.7280151839	432179.70548133	3549.894112484655	3369.867058190362	3256.425344140576	3266.20728559174	115.4453147205344	103.6040263188739
173	332	245113	-257421.1413	1010857.310250766	39.46476917842414	-101.7130812	267218.849621391	432177.5312903198	3548.91423002477	3369.867058190362	3255.434728913198	3265.1812903198	115.4453147205344	103.6040263188739
174	332	245114	-256761.1413	1010857.310250766	39.464770828471007	-101.7108368	267414.838657200	432169.489205181	3541.121232644077	3367.90519553695	3254.479674628474	3264.9643214340407	115.2786863920521	110.8595072031983
175	332	245115	-256101.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElev.Kg.ft	BREIElevBoth.Kg.ft	SatHtLogs.ft	SatHtBoth.ft
232	235	245197	-201981.1413	1010587.3170250766	36.490413582017794	-01.15126889	284101.6414281445	431928.475	3446.736914	37.20.665713950445	3153.61197732878245	3149.874040088888	1010549406626098	120.79131386175732
239	332	245198	-201321.1413	1010587.3170250766	36.49042740804246	-01.15139466	284302.6750954562	431926.376257033	3442.89781	3268.99146110056547	3153.511059644871	3147.9925115013855	101046071461671198	120.99305005616166
239	332	245198	-201961.1413	1010587.3170250766	36.4904118981774	-01.15146755	284303.7144	431926.376257033	3442.89781	3268.99146110056547	3153.511059644871	3147.9925115013855	101046071461671198	120.99305005616166
260	332	245200	-200001.1413	1010587.3170250766	36.49045042433304	-01.1509262	284704.75079446816	431918.18	3440.623049	3265.61134288104585	3145.7341836104583	3141.25831509571	1010718069662316	124.2526277089769
261	332	245201	-199341.1413	1010587.3170250766	36.49068614611925	-01.15069197	284905.786265804	4319182.014827161	3440.38622652482646	3137.8312958198317	3143.999833817087	3141.37389688852	101191321438122986	123.1895648499458
262	332	245202	-198681.1413	1010587.3170250766	36.4908225964551	-01.15045774	285106.822647371	431918.949371	3440.149437	3262.2108887193153	3141.03869586069	3138.793482417184	1011212758966421	123.4173927570696
263	332	245203	-198021.1413	1010587.3170250766	36.4909585942209	-01.15022351	285307.8582570477	4319083.886	3437.93916891372	3260.50640762595	3137.872118806426	3136.6817010112348	1012842875655259	123.824076502569
264	332	245204	-197361.1413	1010587.3170250766	36.491091349895	-01.1499828	285508.938565147	431979.7887205	3435.7635249305562	3258.800797787777	3134.0924417618407	3133.40044124976	1012706280193693	123.95460193630145
265	332	245205	-196701.1413	1010587.3170250766	36.491292322698	-01.14975505	285709.928438768	431975.59158906	3429.5717069578928	3257.058491430485	3130.7684989717793	3129.691771968576	10126305451709623	124.047851079895
266	332	245206	-196041.1413	1010587.3170250766	36.4913637253435	-01.14952092	285910.9638214455	431971.595	3425.38796008928	3255.8869099895	3127.57690403074	3127.17267552496	101272730513672	126.8724234456785
267	332	245207	-195381.1413	1010587.3170250766	36.4914980603101	-01.14928659	286111.9986	431977.48090575	3420.478341445423	3253.8558127364	3124.859421531604	3123.86051332695	1012820869924036	128.0248249740403
268	332	245208	-194721.1413	1010587.3170250766	36.4916317955784	-01.14905236	286313.0331	4319140.01563747	3414.842861780586	3251.983542739987	3122.467030042193	3120.225851722496	1011562132478529	131.7576915510283
269	332	245209	-194061.1413	1010587.3170250766	36.4917650783664	-01.14881813	286510.6749323907	431973.70345628	3408.20545668885	3250.28454668885	3120.731428502226	3119.624712665525	1012554071266525	134.6005779420625
270	332	245210	-193401.1413	1010587.3170250766	36.491897084654	-01.1485839	286715.101630846	431975.709	3403.57195733216	3248.592643151813	3119.310509738675	3118.95440355233	1012820545783036	136.03403935992813
271	332	245211	-192741.1413	1010587.3170250766	36.4920302694729	-01.14834967	286916.13559590387	431971.713359988	3398.729185347016	3246.905919639473	3118.6354634362104	3118.083470795956	1012845044413693	137.23712491082912
272	332	245212	-192081.1413	1010587.3170250766	36.4921622171709	-01.14811544	287117.1692779837	431970.01809781	3385.6734342908	3245.226524027346	3118.249547483185	3117.41430011536	10126780765052739	133.51121801581005
273	332	245213	-191421.1413	1010587.3170250766	36.49229368492324	-01.14788121	287318.202778504	431976.822768586	3375.629190384634	3243.5553984421213	3117.525605807896	3113.71867019414	10126297623453517	130.3768905275192
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	BR/ElevKgr.f	BR/ElevKgr.f	BR/ElevKgr.f
332	245323	-118821.1413	1010857.3170250766	36.56039931288425	-101.2211539	309430.65987891646	439131.835334323	3297.458399440745	3979.333840740354	2991.294361987297	2991.3498954056977	85.03947809	87.9839434233772	87.9839434233772	
334	245324	-118611.1413	1010857.3170250766	36.560447372280116	-101.218115	309631.6754469865	4391301.62539018	3217.242420610137	3978.039874367505	2990.294125996306	2992.95443	87.74374837144887	85.08543292	85.08543292	
386	245325	-117601.1413	1010857.3170250766	36.56041581643374	-101.164691	309625.6826950845	4391305.62539018	3272.634446714581	3978.759738531488	2988.68478114778	2988.425721	87.30785071192137	85.04407119115891	85.04407119115891	
384	245326	-116841.1413	1010857.3170250766	36.5604253505310154	-101.2141267	310033.6940717477	4391301.62539018	3286.010467958193	3975.481029796453	2984.0229796453	2980.801634627477	91.4689656	94.6920190413101	94.6920190413101	
387	245327	-116181.1413	1010857.3170250766	36.56043514	-101.2174843	310234.7051081884	4391256.956937176	3242.185110732733	3974.2351852214815	2981.8016500486888	2979.398725224114	92.4333517279274	94.8362126990702	94.8362126990702	
388	245328	-115521.1413	1010857.3170250766	36.560439482340964	-101.209442	310435.7195611084	4391293.488	3243.139546773544	3972.989022624954	2979.72165572237	2978.3922321004	93.6185669225833	95.63518924391122	95.63518924391122	
390	245329	-114861.1413	1010857.3170250766	36.56043514	-101.2070996	310636.72669887824	4391289.410659315	3244.059752224115	3971.7656786680713	2977.7656786680713	2975.1545644762238	93.98639778599136	95.9771119993385	95.9771119993385	
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392	245331	-113641.1413	1010857.3170250766	36.56043640898738	-101.2024146	311038.7427179584	4391281.282187913	3245.797387311855	3970.6187371886	2975.01923871886	2970.831036237884	94.26849824599272	97.6368368	97.6368368	
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393	245333	-112221.1413	1010857.3170250766	36.56047852	-101.19773	311440.7673956024	4391273.146101878	3236.7505182335	3966.9175018612887	2974.8833110234764	2964.77412052838	92.43301903781222	102.143723384505	102.143723384505	
394	245334	-111561.1413	1010857.3170250766	36.56048619236258	-101.1953876	311641.7773112244	4391269.07815978	3233.243155	3965.745762	2975.38793899493	2962.08955267144	90.258225585706	103.6586026010608	103.6586026010608	
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398	245336	-110241.1413	1010857.3170250766	36.56050140035071	-101.1907029	312043.79605039785	4391260.944	3228.534013493977	3963.450877842937	2977.0267749879054	2965.999747350077	94.4876971478105	103.7631868494021	103.7631868494021	
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401	245341	-106941.1413	1010857.3170250766	36.560538628403226	-101.1789909	313048.8401425815	4391240.611270826	3210.82630806397	3957.959280602784	2982.2484540865726	2972.5305111317143	95.7102642	82.7463937106985	82.7463937106985	
402	245342	-106281.1413	1010857.3170250766	36.56054582835629	-101.1766485	313249.8484167686	4391236.54532058	3206.894564177228	3956.9402593402077	2980.0816710767958	2971.61825867224988	85.7244694382094	85.7244694382094	85.7244694382094	
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406	245346	-103641.1413	1010857.3170250766	36.56055742514317	-101.167279	314063.87962748686	4391210.284583232	3181.050476253874	3952.818934556003	2966.367928074504	2964.934540620684	90.651160055	88.2255472431615	88.2255472431615	
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408	245348	-102321.1413	1010857.3170250766	36.56056884071205	-101.1625942	314455.8941292976	4391202.19158111	3165.0528008537702	3950.8528008158993	2965.18402415245	2957.2384515996146	91.6860550335433	93.162841898472	93.162841898472	
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410	245350	-101001.1413	1010857.3170250766	36.5605679788886	-101.1579394	314857.980922613	4391204.02693276	3166.696754	3948.931192837814	2962.9792770146735	2951.5805711548205	95.916221316806	97.35062168302102	97.35062168302102	
411	245351	-100341.1413	1010857.3170250766	36.5605679788886	-101.155697	315067.9814664423	4391198.3611569	3164.7848137	3948.02529332225	2960.2923303225	2949.240175813808	95.916221316806	97.35062168302102	97.35062168302102	
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414	245354	-98361.1413	1010857.3170250766	36.56056301762953	-101.1485398	315661.9334961889	4391187.2931451895	3162.881837	3945.169873082682	2944.933478841976	2944.933478841976	92.946858416782	100.576414534334	100.576414534334	
415	245355	-97701.1413	1010857.3170250766	36.56053863846177	-101.1461974	315862.934129276	4391183.70286816	3166.90232022111	3944.2360804179175	2944.063815671902	2943.54253520586	100.576414534334	100.576414534334	100.576414534334	
416	245356	-97041.1413	1010857.3170250766	36.5605432468162	-101.143855	316063.945249996	4391176.67471786	3175.57600231639	3943.34390301639	2943.433919	2942.851565654696	95.9601145	100.45338646517959	100.45338646517959	
417	245357	-96381.1413	1010857.3170250766	36.5605615574545	-101.1415128	316264.9608077135	4391175.58519672	3184.299712742403	3942.73695735496	2942.86124284717	2942.230524294786	95.9601145	100.45338646517959	100.45338646517959	
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421	245361	-93741.1413	1010857.3170250766	36.560567623	-101.132143	317068.9712491885	4391159.33789984	3186.9892232741	3938.704404184863	2940.091033251842	2940.091033251842	95.9601145	100.45338646517959	100.45338646517959	
422	245362	-93081.1413	1010857.3170250766	36.56056263	-101.1298006	317269.9759115466	4391155.27	3185.65243926663	3937.7942621631773	2939.23967909281	2939.23967909281	95.9601145	100.45338646517959	100.45338646517959	
423	245363	-92421.1413	1010857.3170250766	36.56058889	-101.1274582	317470.9803987624	4391151.21542578	3186.2106651078	3936.83823365213	2938.240489714273	2936.37724071293	95.9601145	100.45338646517959	100.45338646517959	
424	245364	-91761.1413	1010857.3170250766	36.5605963511532	-101.125118	317671.9847868097	4391147.154625795	3190.435928520575	3935.97090773224	2937.09180340623	2935.66898469704	95.9601145	100.45338646517959	100.45338646517959	
425	245365	-91101.1413	1010857.3170250766	36.5605963511532	-1										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.ft	BRIElevLogsKgf.ft	SatThLogs.ft	SatThBoth.ft
632	245575	47498.8586730335	10.08567310250766	36.65101548615854	-00.6308647	360680.2414647933	4302905.39938334	2840.42293593781804	2699.993698079816	2688.8712717501554	2693.214103940366	11.122413738262081	6.775958934949828	
636	245576	48158.8586730335	10.0857310250766	36.65101220672384	-00.6288223	360621.2126995132	4302911.38636251	2833.693510580067	2698.17638585641	2687.499661405794	2690.535085550169	10.75372244506159	7.63750302393844	
637	245577	48818.8586730335	10.0857310250766	36.65100988203575	-00.625169	360622.1830011545	4302917.38115911	2836.968639821502	2696.369839821502	2686.348077346612	2698.945817953285	9.87078982505414	0	
638	245578	49478.8586730335	10.0857310250766	36.651005512094194	-00.623374	360633.156769127	4302920.5761819627	2840.2256704508983	2694.570327687848	2683.302404258136	2694.726097920254	9.4278672017835	7.004810759	
639	245579	50138.8586730335	10.0857310250766	36.65100260689926	-00.621495	360684.125600913	4302927.949750086	2815.762138	2682.78295327329	2684.532100987962	2687.6717230932917	8.25070528436708	5.111717324279545	
640	245580	50798.8586730335	10.0857310250766	36.650996863450936	-00.6191526	361085.029629556	4302935.373706383	2813.567473343936	2691.076107173387	2684.0122555040357	2687.3795825811267	6.93028736331358	3.692487596260381	
641	245581	51458.8586730335	10.0857310250766	36.65099513074919	-00.6168102	361286.066860385	4302937.32628055	2811.378148998075	2689.2457	2683.409903308124	2686.603745959957	5.835796341127661	2.6415901618830044	
642	245582	52118.8586730335	10.0857310250766	36.65099157979407	-00.6144678	361487.0723995604	4302927.61499447	2808.1715306372	2687.48280917358	2683.5427911337592	2686.30307696488	5.395489735967504	1.4152105748	
643	245583	52718.8586730335	10.0857310250766	36.65098765858584	-00.6121253	361688.075984774	4302927.303701199	2806.7204871765841	2685.765678715874	2683.95802651225	2686.95802651225	4.82851083051186	1.861009926713063	
644	245584	53438.8586730335	10.0857310250766	36.6509843212373	-00.6097929	361888.97776931	4302929.29776931	2799.521489034644	2684.050874300725	2684.472152712338	2685.521455759594	0	0	
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646	245586	54758.8586730335	10.0857310250766	36.65097692	-00.6050981	362290.917072683	4302921.271586122	2788.1098778912	2680.672353989878	2679.564281156527	2679.784025024956	1.082258742253545	0.8883247399221545	
647	245587	55418.8586730335	10.0857310250766	36.65097314621794	-00.6027557	362491.8874745083	4302927.263231195	2781.781719296165	2679.010869	2676.382083286261	2676.449008235067	2.12678587266175	2.5618610413166607	
648	245588	56078.8586730335	10.0857310250766	36.6509693274268	-00.6004132	362692.8571176963	4302943.25185787	2774.833409420086	2677.39138927703	2673.3175689638345	2673.2997048407027	4.05196938585668	4.069430506567642	
649	245589	56738.8586730335	10.0857310250766	36.65096546601404	-00.5980708	362883.626654307	4302929.24147205	2767.885162637502	2675.747662378502	2670.338748802145	2670.338748802145	5.048914456705356	5.09883156745502	
650	245590	57398.8586730335	10.0857310250766	36.65096154330209	-00.5957284	363094.7960096945	4302925.211888317	2760.93688432656	2674.146750912806	2667.451891439404	2667.311151155216	6.04784017333692	6.05359751484488	
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653	245593	59378.8586730335	10.0857310250766	36.65094935236634	-00.5887011	363697.703	4302923.204485262	2756.492637360463	2669.47229033044	2661.4944712815145	2661.54438687931	7.9825774882499	7.938284220413212	
654	245594	60038.8586730335	10.0857310250766	36.65094543857131	-00.5863587	363898.671962689	4302919.19502233	2756.829673574043	2667.963787078204	2660.345661965949	2660.40350302955	7.566477377325261	7.566477377325261	
655	245595	60698.8586730335	10.0857310250766	36.65094129932266	-00.5840163	364099.6049186774	4302915.18745089	2757.59125166354	2666.48611	2659.47816220378	2659.538506065427	7.09335434062004	6.947645361297418	
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657	245597	62038.8586730335	10.0857310250766	36.650932968629	-00.5793185	364501.572495454	4302919.18716644	2758.526390271437	2663.94928727285	2657.494028727285	2657.494028727285	5.33148077868338	5.33148077868338	
658	245598	62678.8586730335	10.0857310250766	36.6509281065757	-00.5769891	364702.5450356696	4302903.16327506	2746.706178038993	2662.157558171802	2657.5562755245107	2657.45292672611	4.800216747191441	4.84212889509004	
659	245599	63398.8586730335	10.0857310250766	36.65092429	-00.5746466	364903.5145068213	430199.15727298	2734.26382804824	2660.7817346216143	2657.259972524264	2657.330023202292	3.52176207350347	3.45171589319075	
660	245600	63998.8586730335	10.0857310250766	36.650919924281176	-00.5723042	365104.4825822305	430195.148444124	2734.31094458595	2659.40712962327	2657.06520402615	2657.1669885791303	2.7482035622035	2.24014082626803	
661	245601	64658.8586730335	10.0857310250766	36.65091551351315	-00.5699618	365305.4505	430191.14130493	2732.3551850626	2658.050382	2657.30155836149	2657.364273660163	0.42923926209771	0.686108630072562	
662	245602	65318.8586730335	10.0857310250766	36.65091105674918	-00.5656717	365506.418423233	4301917.13443386	2726.340176667827	2657.1070392123857	2657.914758300126	2657.914758300126	0.56741815760394	0	
663	245603	65978.8586730335	10.0857310250766	36.65090656271795	-00.5625474	365707.386820348	4301912.17811394	2725.5811675676	2655.9881767676	2656.727550195785	2656.727550195785	0.70392370472747	0	
664	245604	66598.8586730335	10.0857310250766	36.650902069845	-00.5598162	365908.353671307	430191.71138509	2724.053507127992	2654.0350401399	2654.0350401399	2654.0350401399	0.545651581385	0	
665	245605	67298.8586730335	10.0857310250766	36.650897417908695	-00.5569922	366109.3012712852	430197.51184533	2724.540509060103	2652.7930072619456	2652.241942634079	2652.473661733396	0	0	
666	245606	67958.8586730335	10.0857310250766	36.650892780874585	-00.55482497	366310.28831913834	430191.10529423	2725.0182791048555	2651.5170433388134	2654.177667028232	2654.5066408882977	0	0	
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669	245609	69938.8586730335	10.0857310250766	36.6508785625311	-00.5481229	366913.1894858923	4301919.9926374355	2721.57053881044	2647.795873634718	2650.854651040225	2651.138360467422	0	0	
670	245610	70598.8586730335	10.0857310250766	36.6508747802629	-00.5458981	367114.152495454	430191.87165644	2722.82190274254	2647.494028727285	2657.494028727285	2657.494028727285	0.545651581385	0	
671	245611	71258.8586730335	10.0857310250766	36.650868169031	-00.5435277	367315.1293138866	430191.05183	2724.55306951025	2647.795873634718	2650.854651040225	2651.138360467422	0	0	
672	245612	71918.8586730335	10.0857310250766	36.6508640035318	-00.5414915	367516.089451455	430147.07895724	2714.916412269835	2644.02998285952	2653.125897420257	2652.74759471084	0	0	
673	245613	72578.8586730335	10.0857310250766	36.6508590544445	-00.5418528	367717.0556218177	430193.67389758	2708.95164352136	2642.873899911333	2652.1631799994384	2651.778217873757	0	0	
674	245614	73238.8586730335	10.0857310250766	36.6508540548508	-00.5395104	367918.0252455286	430191.306952972	2704.842091643557	2641.6676958380147	2652.081313963587	2651.8127613412303	0	0	
675	245615	73898.8586730335	10.0857310250766	36.6508490117254	-00.5373168	368118.9884046613	430191.356581875	2701.724399991233	2640.488094854237	2650.0293109328495	2650.7698937098	0	0	
676	245616	74558.8586730335	10.0857310250766	36.650843921606935	-00.5348206	368319.9546347213	430191.316192294	2700.5264414785474	2639.276232020496	2646.776013880884	2654.77129822625	0	0	
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678	245618	75878.8586730335	10.0857310250766	36.65083360711456	-00.5301408	368721.881235003	430191.05509627	2698.1305245509627	2639.51580867107	2659.81580867107	2659.81580867107	0.545651581385	0	
679	245619	76538.8586730335	10.0857310250766	36.6508283139155	-00.5277984	368922.8517786314	430191.052065624	2696.175989	2637.5329006418	2655.934637	2656.797121256314	0	0	
680	245620	77198.8586730335	10.0857310250766	36.650823110813626	-00.525456	369123.817085347	430191.054923899	2693.468776903436	2634.60783748094	2648.13677933436	2648.76306480241	0	0	
681	245621	77858.8586730335	10.0857310250766	36.65081774982665	-00.5231136	369324.7821341155	430191.0466743	2690.75360194984	2633.48254593711	2640.8514254577254	2641.1582956457923	0	0	
682	245622	78518.8586730335												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
21	333	245701	-357741.1413	1011517.310250766	36.46629808945535	-102.0609704	236654.7678511967	3390303.339356303	3534.8029785114336	3534.8029785114336	3485.8185986571385	3485.8185986571385	48.9443799429514	49.2096172048161
22	333	245702	-357681.1413	1011517.310250766	36.46632250475826	-102.0662728	236855.8600038747	339299.3861701634	3532.75738139236	3532.75738139236	3485.44730947869	3485.44730947869	47.6130337327425	47.6130337327425
23	333	245703	-357621.1413	1011517.310250766	36.46634753454205	-102.0643683	237056.8520080078	339295.9511983391	3531.66387	3531.66387	3484.2703733364	3484.2703733364	46.4186212706645	46.7302177687867
24	333	245704	-357561.1413	1011517.310250766	36.46637146759066	-102.0620442	237258.04369713512	339129.0803031	3531.5225405100164	3531.5225405100164	3484.75084996832	3484.75084996832	47.16719054	46.951458589172944
25	333	245705	-357501.1413	1011517.310250766	36.46639583648491	-102.0597021	237459.1351	339129.0803031	3531.3822617473455	3531.3822617473455	3484.338621272744	3484.338621272744	46.0541437864738	46.264196625471994
26	333	245706	-357441.1413	1011517.310250766	36.46642016013701	-102.0573601	237660.2262930781	339129.0803031	3531.20296139187	3531.20296139187	3528.13389255024716	3528.13389255024716	44.8150839283708	44.59186416008106
27	333	245707	-357381.1413	1011517.310250766	36.46644444	-102.0550518	237861.3172012642	339129.0803031	3531.032632328251	3531.032632328251	3525.825115076687	3525.825115076687	43.18521521411499	43.358358748824824
28	333	245708	-357321.1413	1011517.310250766	36.46646871774516	-102.0526759	238062.4074986685	3392974.741465496	3534.2388951623679	3534.2388951623679	3480.912568430665	3480.912568430665	42.614772162530096	42.79640159467408
29	333	245709	-357261.1413	1011517.310250766	36.46649265963985	-102.0503338	238265.498289068	339295.9511983391	3538.28530298447	3538.28530298447	3521.209657603336	3521.209657603336	42.9631686925514	42.9631686925514
30	333	245710	-357201.1413	1011517.310250766	36.4665170023228	-102.0479191	238464.5883915685	339295.9511983391	3538.317456237	3538.317456237	3518.908924177755	3518.908924177755	42.7452072222407	42.7452072222407
31	333	245711	-357141.1413	1011517.310250766	36.46654109977535	-102.0456497	238665.6704321713	3392962.017295836	3534.34864281652	3534.34864281652	3468.195002229209	3468.195002229209	42.4274020543111	42.39964386138986
32	333	245712	-357081.1413	1011517.310250766	36.466565119573434	-102.0433076	238866.7692555573	339295.9511983391	3531.356011898416	3531.356011898416	3514.3599997100255	3514.3599997100255	43.83465033817835	43.96637858264694
33	333	245713	-357021.1413	1011517.310250766	36.46658915892904	-102.0409566	239067.8573	339295.9511983391	3531.237038040495	3531.237038040495	3446.9237981766873	3446.9237981766873	44.35212398638076	44.35212398638076
34	333	245714	-356961.1413	1011517.310250766	36.46661312064211	-102.0386235	239268.96440179418	339294.565134296	3531.07379119443	3531.07379119443	3509.974935256717	3509.974935256717	43.54089279882287	43.73429967525398
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36	333	245716	-356841.1413	1011517.310250766	36.46666090334045	-102.0339303	239671.12381846298	339294.565134296	3531.258652867554	3531.258652867554	3505.91815501798	3505.91815501798	43.60550480152385	43.60550480152385
37	333	245717	-356781.1413	1011517.310250766	36.46668473432563	-102.0315972	239872.212401376	339295.9511983391	3531.228140869042	3531.228140869042	3504.03607614269	3504.03607614269	43.63940035	43.63940035
38	333	245718	-356721.1413	1011517.310250766	36.4667081506806	-102.0292551	240073.3002047465	339293.966	3531.197628585	3531.197628585	3502.3207789267375	3502.3207789267375	44.00421451419014	44.22542191923294
39	333	245719	-356661.1413	1011517.310250766	36.4667325506757	-102.0269131	240274.380111008	339292.81629123	3532.348766045789	3532.348766045789	3500.483805627509	3500.483805627509	43.38976602982197	43.6027026977918
40	333	245720	-356601.1413	1011517.310250766	36.46675640824626	-102.024571	240475.4575660246	339292.81629123	3532.348766045789	3532.348766045789	3500.483805627509	3500.483805627509	43.38976602982197	43.6027026977918
41	333	245721	-356541.1413	1011517.310250766	36.46677958586724	-102.0222289	240676.56283647224	339292.81629123	3532.348766045789	3532.348766045789	3500.483805627509	3500.483805627509	43.38976602982197	43.6027026977918
42	333	245722	-356481.1413	1011517.310250766	36.46680315590974	-102.0198868	240877.645899771	339291.63692414	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
43	333	245723	-356421.1413	1011517.310250766	36.46682730578781	-102.0175874	241078.2415584953	339291.63692414	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
44	333	245724	-356361.1413	1011517.310250766	36.466850249423025	-102.0152026	241279.8231777865	339290.073045923	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
45	333	245725	-356301.1413	1011517.310250766	36.4668737136513	-102.0128605	241489.906006795	339291.63692414	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
46	333	245726	-356241.1413	1011517.310250766	36.46689713226415	-102.0105184	241681.9954714915	339289.77408918	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
47	333	245727	-356181.1413	1011517.310250766	36.46692050520034	-102.0081763	241883.08122775374	339288.562932102	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
48	333	245728	-356121.1413	1011517.310250766	36.466943834172225	-102.0058342	242084.16672756338	339287.402886071	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
49	333	245729	-356061.1413	1011517.310250766	36.466967107310755	-102.0034962	242285.2519726298	339286.24358146	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
50	333	245730	-356001.1413	1011517.310250766	36.4669905429347	-102.00115	242486.398054296	339285.18898235	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
51	333	245731	-355941.1413	1011517.310250766	36.4670135471135	-101.9988079	242687.42169782915	339284.03233593	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
52	333	245732	-355881.1413	1011517.310250766	36.4670376495091	-101.9964568	242888.506	339283.8906091	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
53	333	245733	-355821.1413	1011517.310250766	36.4670597904704	-101.9941237	243089.5904051903	339282.75	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
54	333	245734	-355761.1413	1011517.310250766	36.4670828389976	-101.9917816	243290.67343743715	339281.604055904	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
55	333	245735	-355701.1413	1011517.310250766	36.4671058859894	-101.9894399	243491.78994934545	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
56	333	245736	-355641.1413	1011517.310250766	36.46712883197461	-101.9870874	243692.9415584953	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
57	333	245737	-355581.1413	1011517.310250766	36.4671517529671	-101.9847552	243893.947899556	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
58	333	245738	-355521.1413	1011517.310250766	36.4671742887514	-101.9824131	244095.0077260754	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
59	333	245739	-355461.1413	1011517.310250766	36.4671974595095	-101.980071	244296.090430119	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
60	333	245740	-355401.1413	1011517.310250766	36.4672202489102	-101.9777289	244497.127808074	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
61	333	245741	-355341.1413	1011517.310250766	36.467242205848315	-101.9753988	244698.2507915314	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
62	333	245742	-355281.1413	1011517.310250766	36.4672656795187	-101.9730447	244899.3372047736	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
63	333	245743	-355221.1413	1011517.310250766	36.46728897445564	-101.9707044	245099.4038177044	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
64	333	245744	-355161.1413	1011517.310250766	36.4673109380271	-101.9683304	245299.5001591442	339280.4582416	3537.347123527887	3537.347123527887	3495.914090362513	3495.914090362513	42.6138979891597	42.6138979891597
65	333	245745	-355101.1413	1011517.31										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
147	33	245827	-274581.1413	1011517.310250766	36.49042937622286	-101.739593	261990.4013483164	4320482.046800161	3631.8996305147896	3391.9486213746747	3299.452599	3302.615136954201	49.742725261132471	89.33468424072388
148	33	245828	-273921.1413	1011517.310250766	36.49048018000487	-101.716171	262191.462425322595	4320481.522295959	3634.174345367728	3391.2258961978359	3298.1767025708073	3302.3053015532484	83.04919362705186	88.07453464641073
149	33	245829	-273261.1413	1011517.310250766	36.4904693583917	-101.702749	262392.52307153276	4320473.7948211603	3636.4523655541714	3390.48723963517	3298.5271296173373	3304.0691194622983	83.9601924813878	86.4211318121872
150	33	245830	-272601.1413	1011517.310250766	36.49048565182637	-101.761612	263093.5834523245	4320469.67477689	3638.7304259133077	3389.731183236415	3302.92413330415	3302.92413330415	84.9332675922242	86.89003306507297
151	33	245831	-271941.1413	1011517.310250766	36.490410319866204	-101.7645904	262794.64329911113	4320465.551	3638.7641553370227	3388.96223191172	3292.908572355411	3302.05214232723508	86.05366084	88.01091081882112
152	33	245832	-271281.1413	1011517.310250766	36.49412294625817	-101.7622482	262995.703888805	4320461.427779555	3638.615537182876	3388.173645103277	3290.893467986513	3299.9634693475136	97.280717711710936	86.121077151404
153	33	245833	-270621.1413	1011517.310250766	36.49414152020362	-101.7599059	263196.7638	4320457.305	3634.4462259722735	3387.366928511572	3289.44420530465	3298.119582627929	97.280717711710936	86.121077151404
154	33	245834	-269961.1413	1011517.310250766	36.494160062501145	-101.757537	263397.82340701914	4320453.181901499	3637.2270397862584	3386.5418975466982	3287.479256017575	3295.656005	98.06224152912308	90.88592412736844
155	33	245835	-269301.1413	1011517.310250766	36.4941763955117	-101.7552514	263598.862765956	4320449.5938072	3638.615537182876	3385.689811118127	3296.388413	3293.049231293567	101.3291846022024	95.64837884
156	33	245836	-268641.1413	1011517.310250766	36.49419699135365	-101.752972	263799.941891722	4320444.937	3634.4462259722735	3384.572352050436	3282.737317343328	3290.36177670711	102.099577610711	94.4751642321227
157	33	245837	-267981.1413	1011517.310250766	36.4921537790584	-101.7505389	264001.7004852555	4320441.8109428	3628.248543033326	3383.967026951494	3280.71264754359	3286.754669843813	102.342734079054	96.3023058180084
158	33	245838	-267321.1413	1011517.310250766	36.49232372921583	-101.7481947	264202.0594445654	4320436.69205738	3627.071302323935	3383.057451368436	3278.2468327416615	3285.074343339384	104.81061412677445	98.050168345244
159	33	245839	-266661.1413	1011517.310250766	36.4925203527549	-101.7458524	264403.117872058	4320432.517231305	3623.751369332896	3382.391049415556	3275.3383339704255	3282.542573311031	108.0070971113050	99.5967471002024
160	33	245840	-266001.1413	1011517.310250766	36.492702060952	-101.7435102	264604.1761671407	4320428.44975149	3618.28965	3381.20235534701	3272.85966464803917	3280.464237349868	108.3246690370927	100.7330113753274
161	33	245841	-265341.1413	1011517.310250766	36.49288511660735	-101.7417679	264805.3341301412	4320424.329	3612.892731361291	3380.248734717429	3270.1665791688524	3278.1246883366054	110.08176800595954	101.7236788203732
162	33	245842	-264681.1413	1011517.310250766	36.49303669197721	-101.739287	265006.2918612094	4320420.20758604	3607.360212374403	3379.27737310473	3270.334989181695	3270.03863220241	111.6423236976407	100.23871985941787
163	33	245843	-264021.1413	1011517.310250766	36.49324281	-101.7364834	265207.349056548	4320416.06883525	3605.250955515127	3378.20987872145	3265.18222499105	3281.993951640301	113.10875457610298	96.2970272391346
164	33	245844	-263361.1413	1011517.310250766	36.4934208686676	-101.7341412	265408.4066283656	4320411.963830242	3598.5076083572	3377.290264482713	3262.988233921198	3277.3076770561573	115.3023825270716	89.9152916869847
165	33	245845	-262701.1413	1011517.310250766	36.4936021439744	-101.7317989	265609.463648678	4320407.84601358	3594.42203668159	3376.290560715295	3261.298394725116	3297.681168295487	114.99271624278358	78.6324378754655
166	33	245846	-262041.1413	1011517.310250766	36.4937891076487	-101.7294567	265810.5204070205	4320403.72594396	3590.33685178081	3375.30114697256	3260.2295369166773	3260.23549193289	115.0716087957677	76.063465335694
167	33	245847	-261381.1413	1011517.310250766	36.4939685484204	-101.7271144	266011.5770447515	4320399.606	3583.445564158263	3374.312853485466	3259.394425973252	3259.42846980703	114.9184278689603	79.683592328153
168	33	245848	-260721.1413	1011517.310250766	36.494147357126	-101.7247121	266212.5335855455	4320395.48651012	3577.74893397147	3373.310756784574	3258.756120573763	3288.334270217574	114.5759651046943	84.9758019528198
169	33	245849	-260061.1413	1011517.310250766	36.49432697525436	-101.722361	266423.6381061485	4320391.83118137	3568.021772285817	3372.36073386517	3257.86772238571	3287.546772238571	115.2214933301162	87.103103301162
170	33	245850	-259401.1413	1011517.310250766	36.4945041555556	-101.7200676	266614.7454	4320387.2490626	3554.355646127375	3371.294923331145	3257.0426857334193	3277.355837859366	113.889067995518	83.9366545477482
171	33	245851	-258741.1413	1011517.310250766	36.4946817867078	-101.7177454	266815.801078064	4320383.710930581	3547.620541671426	3370.271128503275	3256.530134167946	3271.729777992156	113.7409970353292	98.991505111893
172	33	245852	-258081.1413	1011517.310250766	36.49485896507805	-101.7154031	267016.8564087566	4320379.01309581	3543.847359728034	3369.24260946225	3255.777412676457	3266.81823173913	113.469203361941	102.424392106654
173	33	245853	-257421.1413	1011517.310250766	36.4950356909761	-101.7130608	267217.9116542783	4320371.9335949	3540.074174	3368.207448980226	3254.8708611092497	3260.711035877357	113.3363637887721	108.0300692066546
174	33	245854	-256761.1413	1011517.310250766	36.4952119643742	-101.7107186	267418.9668182227	4320370.73300177	3536.309905574164	3367.16454203358	3253.728486817241	3256.20448882484266	113.4350551862671	110.9596371888133
175	33	245855	-256101.1413	1011517.310250766	36.4953977852982	-101.7083763	267620.923291474	4320369.68514518	3532.692149700048	3366.117392591072	3252.46754598175	3252.633535697315	113.64893646293338	113.4640432686977
176	33	245856	-255441.1413	1011517.310250766	36.49557856517523	-101.7059184	267822.0758655878	4320367.70584873	3529.3770484973	3365.740190349075	3250.41903944075	3249.74875320484	115.94149299451	113.731033301162
177	33	245857	-254781.1413	1011517.310250766	36.495738097023	-101.7036818	268022.103135323	4320358.420413064	3527.719955140461	3364.019161483092	3249.6382925157615	3245.2160876134612	115.3023825270716	89.9152916869847
178	33	245858	-254121.1413	1011517.310250766	36.49591253179036	-101.7013495	268223.1841835214	4320354.30170875	3525.042177564467	3362.969847847588	3247.921322183014	3243.1029482692861	115.04581162928661	119.8605341962331
179	33	245859	-253461.1413	1011517.310250766	36.49609085	-101.6990072	268424.23800327466	4320350.18603397	3523.558953067796	3361.9187235421487	3246.087637587347	3238.2951365742028	115.8310859484124	122.6323696812589
180	33	245860	-252801.1413	1011517.310250766	36.4962601026829	-101.6966649	268625.291594794	4320346.09184601	3523.272973234055	3360.869196024563	3244.1107695247595	3242.822733112125	115.758072076945	128.0464660432489
181	33	245861	-252141.1413	1011517.310250766	36.49643208307084	-101.6943227	268826.3466582986	4320342.356258079	3522.890961961035	3359.62124340179	3242.0837498254751	3236.587964957448	117.7349356760244	133.2384400080088
182	33	245862	-251481.1413	1011517.310250766	36.49660398252504	-101.691904	269027.39093399	4320337.83118137	3522.692149700048	3358.740190349075	3240.74875320484	3234.94149299451	115.94149299451	113.731033301162
183	33	245863	-250821.1413	1011517.310250766	36.4967781	-101.6896381	269228.4510020854	4320333.72	3521.477026299486	3357.7343171132	3238.05611092626	3231.758407128135	115.29175405160542	137.5757154403164
184	33	245864	-250161.1413	1011517.310250766	36.4969498118787	-101.6872595	269429.503682780	4320329.604	3519.213475059818	3356.69533104826	3237.150838599447	3229.651101750127	115.54670071103556	131.7645376503584
185	33	245865	-249501.1413	1011517.310250766	36.4971211079563	-101.6849536	269630.561362852	4320325.48399933	3517.015381	3355.65219784592	3236.049194532296	3224.9611485242247	127.6823576519086	127.6823576519086
186	33	245866	-248841.1413	1011517.310250766	36.4972919515659	-101.6826113	269830.60832605	4320321.273232475	3514.7992359194623	3354.6389049197	3235.095860360323	3228.651190176877	129.5457289657492	125.74959172482033
187	33	245867	-248181.1413	1011517.310250766	36.4974623426804	-101.680269	270032.6603625475	4320317.25994525	3512.613097543828	3353.619265754057	3234.1106795247595	3226.16626840166	116.5534913273792	124.2529815801819
188	33	245868	-247521.1413	1011517.310250766	36.4976327810087	-101.6779227	270233.712371687	4320313.14286441	3510.451677756888	3352.508128	3232.97330123399	3224.9611485242247	115.634798171108	123.2481728873917
189	33	245869	-246861.1413	1011517.310250766	36.49780370811049	-101.6756576	270437.6827134578	4320309.62190145	3508.26290175317	3351.79624162885	3231.79400879328	3224.9611485242247	115.634798171108	123.2481728873917
190	33	245870	-246201.1413	1011517.310250766	36.4979780811049	-101.6734221	270635.815003165	4320304.91359576	3506.1462189048	3350.615622887002	3231.0967451393044	3228.2087308607368	115.5186776739834	122.4069190221893
191	33	245871	-245541.1413	1011517.310										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
273	333	245953	-191421.1413	1011517.3170250766	36.651042319428285	-101.478829	287322.30679131387	4319164.205953479	3380.2903546723555	3324.0906901663495	3117.271520188867	3113.4207542861923	115.1916991748267	128.6693520015172
274	333	245954	-190761.1413	1011517.3170250766	36.651055421734966	-101.4784687	287523.339650831	4319160.10675997	3370.9537518306537	3316.6499424203607	3113.363191728993	3114.7866695957005	128.6704520714145	128.6704520714145
275	333	245955	-190501.1413	1011517.3170250766	36.65106817890981	-101.4781463	287724.37270141805	4319161.920089985	3370.7453698929845	3316.4812703212983	3113.363191728993	3114.7866695957005	128.6704520714145	128.6704520714145
276	333	245956	-189441.1413	1011517.3170250766	36.651081490773965	-101.4781019	287925.405347372616	4319159.810635322	3368.6018101636532	3328.169509301361	3114.012372250434	3114.9515982376934	124.671520489271	124.671520489271
277	333	245957	-188781.1413	1011517.3170250766	36.651094457338755	-101.4694596	288126.43777178105	4319162.82621064	3353.473478300028	3326.5509771770544	3109.2262103162734	3114.2134284798917	123.6743668607808	122.357454869716267
278	333	245958	-188121.1413	1011517.3170250766	36.651107378748335	-101.4671172	288327.47000388126	4319143.731865895	3348.336955014017	3324.941834912907	3101.261592556473	3113.0480482356430	123.680242356430	121.89376809815819
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
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432	333	246112	-86481.1413	1011517.3170250766	36.5232465757229	-101.1063842	121669.0346544035	4391316.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
433	333	246113	-85821.1413	1011517.3170250766	36.5232465757229	-101.1040418	121669.0346544035	4391312.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
434	333	246114	-85161.1413	1011517.3170250766	36.5232465757229	-101.101693	121669.0346544035	4391308.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
435	333	246115	-84501.1413	1011517.3170250766	36.5232465757229	-101.099358	121669.0346544035	4391304.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
436	333	246116	-83841.1413	1011517.3170250766	36.5232465757229	-101.097014	121669.0346544035	4391300.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
437	333	246117	-83181.1413	1011517.3170250766	36.5232465757229	-101.0946719	121669.0346544035	4391296.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
438	333	246118	-82521.1413	1011517.3170250766	36.5232465757229	-101.0923296	121669.0346544035	4391292.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
439	333	246119	-81861.1413	1011517.3170250766	36.5232465757229	-101.089987	121669.0346544035	4391288.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
440	333	246120	-81201.1413	1011517.3170250766	36.5232465757229	-101.0876445	121669.0346544035	4391284.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
441	333	246121	-80541.1413	1011517.3170250766	36.5232465757229	-101.085301	121669.0346544035	4391280.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934.725614950924	97.7060814042868	98.61395464
442	333	246122	-79881.1413	1011517.3170250766	36.5232465757229	-101.082956	121669.0346544035	4391276.28702275	3180.4250663905118624	3033.889105118624	2935.693627760315	2934		

ix	iy	x	Yr	Latitude	Longitude	UTM_Y	SurfElev_m	W.Lt.	BRLEveLogKrg.f	BRLEveBothKrg.f	SatHtBoth.f
525	333	246205	-2051.141133	1011517.310250766	36.65291296020043	-0.08885339	337976.5832178761	430939.3042	2889.861571979087	285.048755819356	281.16537401937267
526	333	246206	-24441.141133	1011517.310250766	36.65291464877057	-0.08861195	338177.5012583607	430935.362	2886.701987	285.626054503336	281.2938125967781
527	333	246207	-2371.141133	1011517.310250766	36.65291305056941	-0.088949	338375.56762126	430939.34471982	2887.866579214156	281.354313	281.332215728077
528	333	246208	-2321.141133	1011517.310250766	36.65291790905002	-0.08815065	338579.5437485793	430937.307371612	2893.365562407452	285.064161524536	281.4590133407025
529	333	246209	-2246.141133	1011517.310250766	36.6529147269033	-0.0879164	338780.5303	430993.27205397	2893.846533201347	285.674903375595	281.5724246463216
530	333	246210	-21801.141133	1011517.310250766	36.652920990175886	-0.08768215	338981.51665519667	430935.33621815	2905.336510713024	285.4116245268384	281.505967587492
531	333	246211	-2141.141133	1011517.310250766	36.6529224620668	-0.0874479	339182.5028741596	430935.196688952	2913.54121968227	285.034096469807	281.63435476148
532	333	246212	-20481.141133	1011517.310250766	36.6529338933269	-0.08721365	339383.4898734325	4309311.16024872	2908.676132797133	281.7980027171667	281.57913002536632
533	333	246213	-19821.141133	1011517.310250766	36.652935185491	-0.0869784	339584.4748452299	4309067.12403424	2947.287916347059	281.558747624626	281.1671158579684
534	333	246214	-19161.141133	1011517.310250766	36.65292650757037	-0.0867416	339785.4605775096	430935.0289491035	2958.259653847567	281.4558593	281.7974933791115
535	333	246215	-18501.141133	1011517.310250766	36.65291788878203	-0.08651091	339986.4641952071	430989.050891736	2964.287904791595	284.45103464999	281.591544704179
536	333	246216	-17841.141133	1011517.310250766	36.65292914473892	-0.0862766	340187.4136717896	430980.016753151	2961.346377133085	280.4109564246904	282.08116981408
537	333	246217	-17181.141133	1011517.310250766	36.65293034541014	-0.0860421	340388.416257199	430989.98415829	2968.381083436631	282.221687309948	282.113219984854
538	333	246218	-16521.141133	1011517.310250766	36.6529315008833	-0.08580816	340589.4020509201	430988.964373272	2955.456132187122	283.137687731122	282.37610182832354
539	333	246219	-15861.141133	1011517.310250766	36.652932100804	-0.08557391	340790.387038435	430982.911521631	2960.576169539388	283.2226071308086	282.5123246
540	333	246220	-15201.141133	1011517.310250766	36.65293367018556	-0.08533967	340991.3719	430987.817689991	2953.08574480783	283.024902906722	282.485816117129
541	333	246221	-14541.141133	1011517.310250766	36.65293469570149	-0.08510542	341192.35653498967	430987.844289074	2952.4453602193	282.780977430694	282.78964745432642
542	333	246222	-13881.141133	1011517.310250766	36.65293567012961	-0.08487117	341393.3451027215	430980.78082131	2941.8934927235975	282.573631948994	282.851540158925
543	333	246223	-13221.141133	1011517.310250766	36.6529365993024	-0.0846362	341594.3254173047	430986.77438003	2955.73071569372	282.945667859812	283.2942850513928
544	333	246224	-12561.141133	1011517.310250766	36.65293783231245	-0.08440267	341795.306281297	430986.764066045	2960.5208148	283.181854394756	283.658757919224
545	333	246225	-11901.141133	1011517.310250766	36.6529382188557	-0.08416842	341996.2937814052	430988.70714588	2972.274089	281.128164457043	283.50114168157305
546	333	246226	-11241.141133	1011517.310250766	36.65293911524444	-0.08393417	342197.2776914057	430985.67891133	2980.517473189804	283.5154138774653	281.501542252666
547	333	246227	-10581.141133	1011517.310250766	36.65294037058761	-0.08369948	342404.1697671547	430982.640874551	2983.673047088277	283.673047088277	281.501542252666
548	333	246228	-9921.141137	1011517.310250766	36.652940565347816	-0.0834568	342599.254043804	430984.69004768	2981.62591160571	281.029873382376	283.919785268787
549	333	246229	-9261.141137	1011517.310250766	36.6529412399227	-0.0832143	342800.228482488	430984.575481835	2979.687653729848	280.712002816945	281.947455317044
550	333	246230	-8601.141137	1011517.310250766	36.65294183638192	-0.0829718	343001.2118	430983.54312578	2977.692519620828	280.4218663274974	284.0574744650904
551	333	246231	-7941.141137	1011517.310250766	36.65294203451676	-0.08272693	343202.1943295753	430983.451099643	2973.389058412805	280.617818350262	284.08755796285
552	333	246232	-7281.141137	1011517.310250766	36.652942925396798	-0.08250828	343403.17792538	430983.47909345	2966.687338552628	280.134710203995	283.917482733655
553	333	246233	-6621.141137	1011517.310250766	36.6529438452319676	-0.0822943	343604.1697671547	430982.640874551	2960.517473189804	283.5154138774653	281.501542252666
554	333	246234	-5961.141137	1011517.310250766	36.6529443393273	-0.0820618	343805.143411656	430982.415969349	2953.34389855903	279.75037859978	283.919785268787
555	333	246235	-5301.141137	1011517.310250766	36.65294421950795	-0.0818293	344006.125996723	430981.38474729	2949.915951834484	279.5452727696394	283.2804507050826
556	333	246236	-4641.141137	1011517.310250766	36.652944536038724	-0.08159168	344207.10838528996	430981.3435751878	2947.7426897014	279.361670457654	281.19382931058
557	333	246237	-3981.141137	1011517.310250766	36.65294485597466	-0.08135744	344408.0962331583	430980.32283288	2948.56836015446	279.1308448182867	281.2370981378477
558	333	246238	-3321.141137	1011517.310250766	36.6529451032579	-0.08112319	344609.292411572	430980.62944153	2949.380937485073	278.924989153758	280.678015871257
559	333	246239	-2661.141137	1011517.310250766	36.65294531142207	-0.0808894	344810.5485485715	430980.262	2947.423648778954	278.7321296065815	280.136984158121
560	333	246240	-2001.141137	1011517.310250766	36.65294547126357	-0.0806548	345011.034261295	430978.22308086	2943.77174531343	278.3953824540513	279.1308448182867
561	333	246241	-1341.141137	1011517.310250766	36.65294561283504	-0.0804204	345212.0181	430978.9202176382	2939.9256167184	278.7321296065815	279.1308448182867
562	333	246242	-681.1413269	1011517.310250766	36.65294565518207	-0.0801819	345412.99652559	430970.172541474	2936.105948914814	278.1662746193065	278.179550395978
563	333	246243	-21.14132693	1011517.310250766	36.65294567925911	-0.07995194	345613.9800916706	430976.14313278	2937.873721145853	276.943430509066	276.940512025796
564	333	246244	638.85867303514	1011517.310250766	36.65294568081315	-0.07971769	345814.9620916847	430978.113951783	2937.420055078796	276.138025987626	276.1027066624022
565	333	246245	1298.85867303514	1011517.310250766	36.65294569	-0.07948345	346015.9431328061	430978.08496979	2922.82914893228	276.467087265652	275.8054316637298
566	333	246246	1958.85867303514	1011517.310250766	36.652945719691275	-0.0792492	346216.940254228	430970.745620881	2918.232361923574	275.83345354204	275.8393824540513
567	333	246247	2618.85867303514	1011517.310250766	36.65294574281904	-0.0790178	346417.9681979	430971.4309871678	2914.3098747616	275.4309871678	275.4309871678
568	333	246248	3278.85867303514	1011517.310250766	36.6529451028195	-0.0787842	346615.85346879	430975.99494241	2910.486101937374	274.77180229	273.9397106055105
569	333	246249	3938.85867303514	1011517.310250766	36.65294487373003	-0.07854465	346819.8658	430976.91444518	2910.4861019374	274.77180229	273.9397106055105
570	333	246250	4598.8586730351	1011517.310250766	36.6529448066332	-0.0783122	347028.861122406	430975.973632049	2912.8167578903	274.77180229	273.9397106055105
571	333	246251	5258.8586730351	1011517.310250766	36.6529448066332	-0.07807795	347221.8263	430975.91602222	2916.7616385897408	277.167167882907	277.167167882907
572	333	246252	5918.8586730351	1011517.310250766	36.652943948544	-0.0778437	347422.8026897444	430974.89	2910.0846593473	276.65005367473	274.0545007005026
573	333	246253	6578.8586730351	1011517.310250766	36.652943948544	-0.0776096	347623.7981263715	430974.89	2910.0846593473	276.65005367473	274.0545007005026
574	333	246254	7238.8586730351	1011517.310250766	36.65294295728832	-0.07737571	347828.7658	430974.89	2910.0846593473	276.65005367473	274.0545007005026
575	333	246255	7898.8586730351	1011517.310250766	36.6529423830752	-0.07714098	348025.754002496	430973.80791513	2908.32808384534	281.0485147943015	281.004292697136
576	333	246256	8558.8586730351	1011517.310250766	36.65294187104191	-0.07690671	348226.724714573	430973.781453373	2874.6322961505	276.245737145199	276.174939947564
577	333	246257	9218.8586730351	1011517.310250766	36.65294124548168	-0.07667246	348427.740876194	430973.57521801	2861.9433898416657	281.015926621946	281.703178919595
578	333	246258	9878.8586730351	1011517.310250766	36.6529409836264	-0.07643821	348628.683118771	430973.72920911	2855.264404482806	276.7046627481592	280.38443455462
579	333	246259	10538.8586730351	1011517.310250766	36.6529409836264	-0.07620396	348829.6621901252	430973.70347589	2849.67804850546	276.011375910385	276.011375910385
580	333	246260	11198.8586730351	1011517.310250766	36.652939164581378	-0.07596971	349030.641022567	430973.717727132	2827.18561920063	275.92434533816	276.74611694515
581	333	246261	11858.8586730351	1011517.310250766	36.65293830747171	-0.07573457	349231.6170941233	430973.65253244	2816.09194008696	275.87819296754707	275.87819296754707
582	333	246262	12518.8586730351	1011517.310250766	36.6529373830724	-0.07550122	349432.599050624	430970.627440061	2796.2701671586796	275.7577971128124	274.635329527396
583	3										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevKgr.ft	BR/ElevBothKgr.ft	SatThKLog.s	SatThBoth.ft
651	333	246331	58058.8586730335	1011517.310250766	36.65277059037634	-100.5933088	363299.7748537722	4390430.4211973467	2762.6075835909155	2671.630954382484	2679.4348952020222	2680.53648607585	0	0
652	333	246332	58119.8586730335	1011517.310250766	36.65276657678443	-100.5913014	363300.7473252878	4390428.32707214	2762.590718548941	2670.105859036927	2676.0876771628987	2677.0942867870006	0	0
653	333	246333	58183.8586730335	1011517.310250766	36.65275254283930	-100.5898689	363301.423866474	4390430.423866474	2763.208119388967	2668.803830758715	2669.498263827142	2669.498263827142	0	0
654	333	246334	58038.8586730335	1011517.310250766	36.65275843383175	-100.5863534	363302.6846881928	4390420.41852437	2763.5083827575993	2664.271913256483	2664.5121242526856	2580996703632441	2.614978602962765	2.614978602962765
655	333	246335	58098.8586730335	1011517.310250766	36.65275424484188	-100.5840109	364103.6531719926	4390416.4063963997	2761.401534666952	2665.674272491347	2661.495279947296	2661.55056654550175	4.718994303638069	4.12370874117192
656	333	246336	58138.8586730335	1011517.310250766	36.65275010987212	-100.5816768	364304.621526312	4390412.406739012435	2766.8785855345	2664.247913565043	2659.4849560478956	2659.59006294312685	4.739013816435111	4.61929453782956
657	333	246337	58201.8586730335	1011517.310250766	36.652745880007934	-100.579326	364505.5897483161	4390408.38974649	2762.3736382246	2662.83476382246	2658.1083028217895	2658.219411022416	4.73913816435111	4.61929453782956
658	333	246338	58267.8586730335	1011517.310250766	36.65274164889286	-100.5769835	364706.5574852523	4390404.381193539	2747.85967326257	2661.4546860215697	2657.1566178138837	2657.2476623692472	4.73913816435111	4.61929453782956
659	333	246339	58338.8586730335	1011517.310250766	36.6527378451625	-100.574641	364907.5258074296	4390403.74168513	2748.212781038368	2660.89103745991	2656.420371186194	2656.512603451788	4.73913816435111	4.61929453782956
660	333	246340	58398.8586730335	1011517.310250766	36.6527329188875	-100.5722586	365108.4834258985	4390403.367709313	2738.423041575981	2658.74417765328	2655.94542503697	2656.04526084946	4.73913816435111	4.61929453782956
661	333	246341	58468.8586730335	1011517.310250766	36.65272850800687	-100.5699561	365309.4613462234	4390392.59475857	2733.65310212554	2657.4156820311	2656.0040313215127	2656.020382389201	4.145536818920246	1.395185812410032
662	333	246342	58518.8586730335	1011517.310250766	36.65272401870585	-100.567136	365510.4289256226	4390388.35468634	2728.873206494417	2656.109943729824	2656.4067117026125	2656.497451371310	0	0
663	333	246343	58578.8586730335	1011517.310250766	36.65271955047915	-100.5652711	365711.39637390024	4390384.254868734	2724.296246448143	2654.818079235056	2657.2805148420243	2657.362589167103	0	0
664	333	246344	58638.8586730335	1011517.310250766	36.65271500383484	-100.5629287	365912.36393636	4390380.39130846	2728.909453499515	2653.5430905555586	2658.467867735081	2658.575541463106	0	0
665	333	246345	58698.8586730335	1011517.310250766	36.65271041193543	-100.5606962	366113.3306851224	4390376.32300767	2727.526890554906	2652.28345963674	2658.7570821776117	2659.359448643487	0	0
666	333	246346	58758.8586730335	1011517.310250766	36.6527057478163	-100.5582437	366314.297944751	4390372.32686482	2732.14426700929	2651.03160917432	2660.9400234583723	2661.163587700485	0	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevKgr.ft
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75	334	246495	-32301.1413	1012177.3170250766	36.44936945906345	-101.9426255	247517.517365234	433929.06337298	3591.82148422966	3461.958786983657	3420.01528034869	3431.79864889803	41.5430532069654	42.1619368133257	42.1619368133257
76	334	246496	-32241.1413	1012177.3170250766	36.44939152111843	-101.9402833	247718.609647384	433929.761081188	3591.82148422966	3461.958786983657	3420.01528034869	3431.79864889803	41.5430532069654	42.1619368133257	42.1619368133257
77	334	246497	-32181.1413	1012177.3170250766	36.4494135379777	-101.9379411	247919.6879034804	433929.761081188	3591.82148422966	3461.958786983657	3420.01528034869	3431.79864889803	41.5430532069654	42.1619368133257	42.1619368133257
78	334	246498	-32121.1413	1012177.3170250766	36.449439505949149	-101.9355989	248120.765926636	433929.694971156	3591.82148422966	3461.958786983657	3420.0				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtKilos.ft	SatHtBoth.ft
134	34583	-264021.1413	1012177.3170250766	36.55113771523421	-101.7365068	265211.48023351736	4392617.39399157	3599.4614939601253	3371.0310589113726	3263.7060376514446	3277.467209451237	114.10702215992796	100.348590301355	
164	34584	-263631.1413	1012177.3170250766	36.55115557952163	-101.7341645	265412.53725871764	4392613.27346303	3594.227173428512	3376.804176907524	3261.162947	3280.604134718439	116.61425959182226	96.2006242931325	
166	34585	-262701.1413	1012177.3170250766	36.5512383594603	-101.7318222	265613.5945352695	4392609.152729378	3588.952334461122	3375.79233231362346	3259.356476669635	3280.435874669635	116.6201711007804	85.35456797302091	
164	34586	-262041.1413	1012177.3170250766	36.55119182034903	-101.7294799	265814.6505163396	4392610.343434959	3583.7590431356587	3374.782027	3258.3564354673948	3298.093535673948	116.62549103667525	76.6884726201315	
167	34587	-261381.1413	1012177.3170250766	36.5512096488956	-101.7271376	266015.70684729243	4392609.913724555	3576.316762893943	3373.770374565366	3258.063566253735	3293.767432437793	115.70107139939931	80.00302514158739	
164	34588	-260721.1413	1012177.3170250766	36.55122766418072	-101.7247952	266216.7684384947	4392609.79254407	3566.664147338343	3372.752193635474	3257.64826231413	3287.127001932471	115.6759313216093	85.62541744010241	
164	34589	-260061.1413	1012177.3170250766	36.55124581822265	-101.7224529	266417.8189192137	4392592.672943378	3557.016046489234	3371.729916198613	3257.2052379306036	3281.739155292487	115.5246732596036	90.59076250612577	
170	34590	-259401.1413	1012177.3170250766	36.55126333	-101.7201106	266618.8749592645	4392593.53573526	3547.06365858431	3370.702635462471	3256.6867729407862	3278.32346246965	114.016362516851	94.07529281550613	
171	34591	-258741.1413	1012177.3170250766	36.55128108	-101.7177683	266819.9289704285	4392584.434433333	3540.960354059155	3369.68984525834	3256.2072442186172	3276.5066739665147	114.05260130877836	92.16417156187936	
172	34592	-258081.1413	1012177.3170250766	36.55129880583515	-101.7154726	267020.9651052913	4392580.51523314	3537.800903107408	3368.613227200801	3255.211257253749	3265.526551506997	113.4109604705187	102.70467569470111	
173	34593	-257421.1413	1012177.3170250766	36.55131648	-101.7130838	267222.0401013747	4392576.394336697	3537.586673617399	3364.1884308705303	3254.1884308705303	3261.6336151186556	113.3982477647593	105.9530548658417	
174	34594	-256761.1413	1012177.3170250766	36.5513401969369	-101.7107413	267423.0948	4392572.078	3531.480748383792	3366.536207339285	3253.03645925873	3257.5364510188474	113.4997120721366	106.9975635203473	
175	34595	-256101.1413	1012177.3170250766	36.5513682239935	-101.708399	267624.1493149147	4392567.960173459	3528.891720866277	3365.481729470597	3251.738053435933	3253.552733986275	113.592369831266	111.9289889778822	
176	34596	-255441.1413	1012177.3170250766	36.55139922936755	-101.7060567	267825.203576021	4392563.842	3526.889793189721	3364.426458480606	3250.29495902091	3249.599911095273	114.1339625780151	114.8265473833031	
177	34597	-254781.1413	1012177.3170250766	36.5513661258415	-101.7037143	268026.2651722396	4392559.74423778	3524.882465511397	3363.379598841652	3248.77965902079	3245.5842481689503	114.5912994768503	117.78895175213419	
178	34598	-254121.1413	1012177.3170250766	36.55140416836209	-101.701372	268227.3114	4392555.60880382	3522.875137636608	3362.315625729139	3247.078987765647	3242.820847260854	115.2386569634716	119.4947779030535	
179	34599	-253461.1413	1012177.3170250766	36.551428993005	-101.6990297	268428.3649516173	4392551.48994204	3521.626114588414	3361.260953436236	3245.150784159687	3238.099180021284	116.1101811748454	125.35178531346853	
180	34600	-252801.1413	1012177.3170250766	36.55143893	-101.6966873	268629.41344117137	4392547.373	3521.135357687843	3360.20768214898	3243.041132408114	3232.1594514582134	116.16647580678136	128.0481567566839	
181	34601	-252141.1413	1012177.3170250766	36.5514662327864	-101.694345	268830.4714651694	4392543.25668476	3520.644674908667	3359.156316274447	3240.867115577321	3230.5582858497503	116.28920125012382	133.6054909776044	
182	34602	-251481.1413	1012177.3170250766	36.5514730307411	-101.6920027	269031.5243583671	4392539.139704714	3520.135961820987	3358.107866052696	3238.7139	3228.27023633215	116.42936923419571	136.3429697324957	
183	34603	-250821.1413	1012177.3170250766	36.55149072362847	-101.6896603	269232.675703966	4392535.02695138	3519.207628258567	3357.0636367144	3236.90565574954	3228.738278760157	120.15815087221017	137.1333577870025	
184	34604	-250161.1413	1012177.3170250766	36.5515087882885	-101.687318	269433.6296427167	4392529.99983538	3517.8062791	3356.024371801293	3235.746318319433	3225.898728927465	120.2706339497427	139.334492772045	
185	34605	-249501.1413	1012177.3170250766	36.551526978581	-101.685022	269634.339836525	4392524.304592478	3516.4935205524	3354.923298711588	3234.646811662028	3225.45462628127	120.456235985824	142.189074279169	
186	34606	-248841.1413	1012177.3170250766	36.55154211370486	-101.682333	269835.7336572459	4392522.675	3515.001387082725	3353.907286256955	3234.151098841005	3224.44119063209	119.8096267455685	152.516535949058	
187	34607	-248181.1413	1012177.3170250766	36.5515591331675	-101.680291	270036.78541452734	4392518.55947578	3513.911980251725	3352.93727515573	3233.287760203151	3228.755194841436	119.6499125484052	162.45839255417	
188	34608	-247521.1413	1012177.3170250766	36.5515761476330	-101.6779486	270237.836452384	4392514.4254832	3510.971127723685	3351.921716104031	3232.32502605968	3228.755194841436	119.5991000806349	162.316800124165	
189	34609	-246861.1413	1012177.3170250766	36.55159306846564	-101.6756063	270438.882	4392510.32926385	3509.9314616922265	3350.9134616922265	3231.320785479241	3228.711095	119.5991000806349	162.316800124165	
190	34610	-246201.1413	1012177.3170250766	36.5516100042681	-101.673264	270639.9393275903	4392506.21445771	3508.92378113192	3349.913826781765	3230.424240370172	3226.295496579222	119.4895657074634	162.316800124165	
191	34611	-245541.1413	1012177.3170250766	36.551626959378	-101.6707616	270840.9691800458	4392502.09983538	3507.970787889158	3348.970787889158	3229.468811662028	3225.45462628127	120.456235985824	142.189074279169	
192	34612	-244881.1413	1012177.3170250766	36.55164367	-101.6683962	271042.04584427	4392497.8556562	3507.02516599627	3347.94156599627	3228.45462628127	3225.45462628127	120.456235985824	142.189074279169	
193	34613	-244221.1413	1012177.3170250766	36.55166044039165	-101.6662389	271243.091075342	4392493.87515428	3506.0674621819378	3346.9674621819378	3226.52093631253	3224.455259301025	120.446525769394	152.516535949058	
194	34614	-243561.1413	1012177.3170250766	36.551677163193504	-101.6638496	271444.1148318563	4392489.75694735	3504.440087841703	3346.001717	3225.1702186676	3223.348451	120.82779470932428	122.6532651268501	
195	34615	-242901.1413	1012177.3170250766	36.55169384074532	-101.6615522	271645.191370473	4392485.64	3503.391794684631	3345.039518782789	3223.8489323260227	3222.74842515654	121.1908554576621	122.7646727193097	
196	34616	-242241.1413	1012177.3170250766	36.55171047304708	-101.6592099	271846.2410593326	4392481.53083638	3501.4698930746717	3344.0747363983965	3222.544901166531	3221.4268077110254	121.5303523186554	122.6532651268501	
197	34617	-241581.1413	1012177.3170250766	36.5517260066213	-101.6568678	272047.29066201314	4392477.41522918	3500.636066808756	3343.1336807385	3221.375953129007	3220.7828187883512	121.7429229363478	122.330664283423	
198	34618	-240921.1413	1012177.3170250766	36.5517436119027	-101.654525	272248.339836525	4392473.304592478	3500.7913202570784	3342.144037106544	3220.4170395574	3219.45462628127	120.456235985824	142.189074279169	
199	34619	-240261.1413	1012177.3170250766	36.551760009851625	-101.6521828	272449.38888788	4392469.192	3500.368349377736	3341.16774424273	3219.634858343283	3219.45462628127	120.456235985824	142.189074279169	
200	34620	-239601.1413	1012177.3170250766	36.55177649572796	-101.6494805	272650.347716749	4392465.07419987	3500.341680632593	3340.183542523503	3221.228652463837	3221.5459262766	119.584969769565	116.63949490267247	
201	34621	-238941.1413	1012177.3170250766	36.55179255803764	-101.6474881	272851.486280793	4392461.857187725	3498.350163281434	3339.190964860807	3219.339631866654	3219.45462628127	119.584969769565	116.63949490267247	
202	34622	-238281.1413	1012177.3170250766	36.55180931661258	-101.6451558	273052.534801707	4392456.8551669	3502.3483520233285	3338.190418553847	3217.247472735053	3217.362018428991	120.924581879376	120.8240012395852	
203	34623	-237621.1413	1012177.3170250766	36.5518265216296	-101.6428134	273253.58298525147	4392452.83382693	3500.440895737328	3337.18138445313	3215.390579079419	3215.424862781512	121.790275378939	121.6999691817	
204	34624	-236961.1413	1012177.3170250766	36.55184194303763	-101.640471	273454.630911369	4392448.61831945	3500.343843444863	3336.134848205647	3213.310814816763	3213.300210548673	121.5353053868059	121.6999691817	
205	34625	-236301.1413	1012177.3170250766	36.5518572575191	-101.638178	273655.68298525147	4392444.61831945	3500.343843444863	3335.134848205647	3212.310814816763	3212.310814816763	121.5353053868059	121.6999691817	
206	34626	-235641.1413	1012177.3170250766	36.55187303712056	-101.6357683	273856.7009401806	4392440.49417913	3512.01589540973	3334.100719138422	3211.3170347039486	3211.3170347039486	121.8471538008754	120.422219613744	
207	34627	-234981.1413	1012177.3170250766	36.55189048186085	-101.633444	274057.73355519	4392436.298556133	3511.741576189645	3333.05491652768	3211.3170347039486	3211.3170347039486	121.8471538008754	120.422219613744	
208	34628	-234321.1413	1012177.3170250766	36.551910653119455	-101.631									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
28	24670	-180861.1413		1012177.3170250766	36.53059494824476	-101.4413671	90542.9117268317	4320099.989148036	381.600368786282	3127.652342321464	3101.713488904249	3101.2383906796604	115.9388513789748	116.41395255428608
290	24671	-180201.1413		1012177.3170250766	36.53037185358836	-101.4390247	90543.94078170323	4320095.897323272	3384.9137271363024	3216.201344568114	3100.2977846117225	3100.2977846117225	115.9028487120789	115.82349845072395
291	24671	-179881.1413		1012177.3170250766	36.53039841970009	-101.4386823	90544.8707899171	4320101.805140568	3388.1896771388714	3214.75860715584	3098.90089111128	3098.90089111128	115.858436982434	115.8730903861507
292	24671	-178881.1413		1012177.3170250766	36.53039648517578	-101.4433438	90545.2911497106723	4320087.71430315	3385.458229156096	3213.93719871919	3097.495687784048	3098.21085774225	115.8201871467409	115.1134176614401
293	24671	-178221.1413		1012177.3170250766	36.5303708206494	-101.4319974	90547.2028625111	4320083.63262704	3384.716828691467	3211.892139262356	3095.052352305126	3097.0189048545479	114.8734877464083	114.8734877464083
294	24671	-177561.1413		1012177.3170250766	36.5312092571783	-101.4296549	90548.05647646204	4320081.233231	3383.975404667325	3210.4615625734477	3094.677296706573	3095.7092129027904	114.753820129027904	114.753820129027904
295	24671	-176901.1413		1012177.3170250766	36.53037380178183	-101.4273125	90549.08522661	4320075.46169482	3383.280127702286	3209.029579040343	3093.413661249825	3094.347171	115.56120129136044	114.68240807398297
296	24671	-176241.1413		1012177.3170250766	36.53145198256555	-101.42429	90550.1136015914	4320071.351254469	3383.31268453025	3209.919658724115	3092.048861785574	3092.804701	115.54310269385405	114.719793518131
297	24671	-175581.1413		1012177.3170250766	36.5315724716016	-101.422678	90551.151252449	4320069.259104351	3381.982319180417	3208.1437996971554	3090.855172237856	3078.10712569382	115.2887624466825	115.2887624466825
298	24671	-174921.1413		1012177.3170250766	36.5316925381854	-101.420285	90552.169401741	4320063.17016154	3381.333899104524	3208.2028617748	3089.307398947538	3089.236515773713	115.3254667322993	115.44665089095027
299	24671	-174261.1413		1012177.3170250766	36.5318123519061	-101.4179427	90553.1971034821	4320059.01830592	3383.721488814043	3204.80314655678	3088.09958481971	3086.64852888332	115.1089481937072	115.6503873763461
300	24670	-173601.1413		1012177.3170250766	36.5319316132646	-101.4156003	90554.2246640375	4320054.919784761	3388.1466758911024	3201.720428061486	3086.723489891262	3084.329734831457	114.9969362043205	117.3470457585484
301	24671	-172941.1413		1012177.3170250766	36.5320504229336	-101.4132578	90555.2518026958	4320050.04290007	3384.571862968105	3200.27934577534	3085.490191346775	3081.48729132075873	114.9071320375873	117.307400226108
302	24672	-172281.1413		1012177.3170250766	36.5321688	-101.409154	90556.1278843133	4320046.74248273	3399.907500545218	3198.702613410927	3084.254235326104	3080.0745951834574	114.448282848134574	116.8280146726531
303	24673	-171621.1413		1012177.3170250766	36.5322868216094	-101.4089729	90557.303573057	4320042.4342587	3400.180780575147	3197.742328	3083.0071352107916	3079.638448434037	114.6170273733661	117.5357891073653
304	24674	-170961.1413		1012177.3170250766	36.5324041333992	-101.4062205	90558.3327424094	4320038.638	3398.129948559483	3195.63236920455	3081.73610246734	3079.338684	113.8962366819064	116.29107288263468
305	24675	-170301.1413		1012177.3170250766	36.53252113210726	-101.403888	90559.35880212395	4320030.459401285	3390.0768158435627	3194.0787303028183	3080.01656638234	3078.93478085452	113.6680736645843	115.14396548739648
306	24676	-169641.1413		1012177.3170250766	36.532635767828435	-101.4015456	90560.3805306304	4320030.454621485	3385.023685271197	3192.5122882050186	3079.0151793655964	3078.370282	113.47170083943226	114.014060469886
307	24677	-168981.1413		1012177.3170250766	36.53273577193054	-101.3992031	90561.4111054569	4320027.31531704	3380.658267499677	3190.933712112278	3077.983757918182	3077.983757918182	112.9499414200392	113.17320016078656
308	24678	-168321.1413		1012177.3170250766	36.5328694130761	-101.3968607	90562.4360452838	4320026.2382406	3376.980559219987	3189.3426764402575	3077.30902463008	3076.76518711645	112.03365180944827	112.3570082861248
309	24679	-167681.1413		1012177.3170250766	36.532988406162915	-101.3945182	90563.462583491	4320018.19637784	3372.30248692701	3187.76406859019	3076.747069749883	3076.20350253783	110.99359878931214	110.99359878931214
310	24679	-167001.1413		1012177.3170250766	36.53333993	-101.3921758	90564.74480202875	4320014.19144489	3369.625140133009	3186.72831282303	3076.061054529657	3076.061054529657	110.58892592233706	110.58892592233706
311	24679	-166321.1413		1012177.3170250766	36.53346812640365	-101.3904814	90565.913255877	4320010.9221238	3368.7092584173871	3185.51078942428	3075.17778943978	3075.17778943978	110.5513203135357	110.5513203135357
312	24673	-165681.1413		1012177.3170250766	36.5333274521889	-101.3874099	90565.16382045205	4320005.93546692	3368.24965570045	3182.83861763307	3074.7027216513145	3074.5025375844143	108.15514013221627	108.15514013221627
313	24673	-165021.1413		1012177.3170250766	36.533404306445	-101.3851484	90567.3631242607	4320001.84881274	3368.584119716132	3182.2467414349	3074.012919	3072.2378238544897	106.82486746040752	106.82486746040752
314	24674	-164361.1413		1012177.3170250766	36.5335537565675	-101.382806	90568.58775746764	4320007.62500033	3368.9032578457197	3179.6046042800685	3073.43800878106	3073.849177345674	106.1658040196242	105.7554269343401
315	24675	-163701.1413		1012177.3170250766	36.5336662299579	-101.3804365	90569.76121902929	4320003.961421263	3368.392107037977	3177.9528205742255	3073.118898725715	3073.118898725715	106.1658040196242	105.7554269343401
316	24678	-163041.1413		1012177.3170250766	36.5337782505149	-101.378121	90569.70364222404	4320001.95052848	3367.050682957557	3176.29437420284	3072.698197313484	3073.1409398746403	103.59914897134016	103.59914897134016
317	24677	-162381.1413		1012177.3170250766	36.5338891819806	-101.376078	90570.664562155	4320000.99552848	3366.7092584173871	3175.4387424246157	3072.6787316618325	3072.6787316618325	103.59914897134016	103.59914897134016
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320	24670	-160401.1413		1012177.3170250766	36.534211	-101.3687512	90574.7313559205	4320003.24940248	3362.05997363122	3169.605429	3070.71153641092	3070.71153641092	94.3338921733819	94.3338921733819
321	24671	-159741.1413		1012177.3170250766	36.534331356709916	-101.3664087	90575.7549076534	4320001.64689421	3360.953422725553	3167.932859936397	3070.06414893762	3070.2349167603294	90.8597109874259	90.8597109874259
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323	24673	-158421.1413		1012177.3170250766	36.534494972587475	-101.3617238	90577.8004638776	4320000.99552848	3353.77197888373	3164.555895124473	3070.749910534885	3070.749910534885	87.9066755598795	87.9066755598795
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326	24676	-156441.1413		1012177.3170250766	36.5348736	-101.3546964	90580.8678710833	4320001.94472138	3350.6201382411	3159.513697330545	3066.378048092346	3066.378048092346	85.3364924311095	85.3364924311095
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRIEveLogskg.ft	BRIEveBothkg.ft	SatHtLogskg.ft	SatHtBoth.ft
415	34	248835	-97701.14133	10117277.3170250766	36.54526282540149	-101.1462147	115871.07912873234	4319586.222	3158.2541958837296	2041.8467894824474	2946.446094536966	2946.0573186394942	95.40089194548141	95.7898476
416	34	248836	-97041.14133	10117277.3170250766	36.54526955116598	-101.1387232	116072.0844848311	4319582.159470102	3165.270229	2040.902633766378	2945.3620436285017	2944.9513017075848	95.40238937644	95.94395301
417	34	248837	-96381.14133	10117277.3170250766	36.5457163257266	-101.1451297	116173.08696141024	4319578.6781889	3172.28673898935	2039.862810932814	2944.3396281631084	2943.8906581631086	95.6306234928627	96.0668186627839
418	34	248838	-95721.14133	10117277.3170250766	36.54522871873212	-101.1391872	116474.0944576294	4319570.34146376	3170.30229548682	2039.004488781966	2943.301970782027	2942.879623125184	95.7285230969592	95.1508665739814
419	34	248839	-95061.14133	10117277.3170250766	36.54528926	-101.1368447	116675.09917589725	4319567.891826708	3178.6222441622877	2038.106894795764	2942.2613179901728	2941.8910471550633	95.6566680740363	95.21930728
420	34	248840	-94401.14133	10117277.3170250766	36.54529575525999	-101.1345021	116876.10371541907	4319565.909357156	3179.16018617848	2037.1921786851954	2941.221364734326	2940.4601159754443	95.7038130986652	95.7632270975106
421	34	248841	-93731.14133	10117277.3170250766	36.5453020564795	-101.1321596	117077.1080764016	4319561.847872134	3176.769972173908	2036.284815403276	2940.2691641779857	2939.932496	95.610561122529018	95.8226215606559
422	34	248842	-93081.14133	10117277.3170250766	36.54530861077651	-101.1298171	117278.11225905313	4319557.78623765	3174.3538361778969	2035.3835214844997	2939.3655926289503	2938.4689484417754	95.617321954944	95.91473219407428
423	34	248843	-92421.14133	10117277.3170250766	36.54531487052638	-101.1274746	117479.1532785698	4319553.725	3176.67133698935	2034.466289740496	2938.414611	2937.511680150817	95.6745873039801	96.074763940806
424	34	248844	-91761.14133	10117277.3170250766	36.5453212852754	-101.1251321	117680.1209018555	4319549.63549699	3178.7224745793703	2033.5919734168085	2937.197010840514	2936.2551721020847	95.74547531459583	96.3949259
425	34	248845	-91101.14133	10117277.3170250766	36.5453275453783	-101.1227895	117881.1237390517	4319542.06289882	3185.7736127176708	2032.698205757873	2935.8768018676524	2935.305671687223	96.82140386	96.4476540705595
426	34	248846	-90441.14133	10117277.3170250766	36.5453377674802	-101.120447	118082.12721042463	4319541.54197869	3190.824749760526	2031.8031340230247	2934.566261053314	2935.22125423925	97.23687377692067	95.58198140729953
427	34	248847	-89781.14133	10117277.3170250766	36.545339957602886	-101.1181045	118283.10304049255	4319535.481	3193.3580155934915	2030.904938	2932.8990641177875	2934.001422114404	95.60857834276217	95.60391456605638
428	34	248848	-89121.14133	10117277.3170250766	36.545343609	-101.115762	118484.133621465	4319531.421214006	3187.373667629996	2030.030922017067	2931.030202642407	2930.030226716361	95.6928956	96.3938545834571
429	34	248849	-88461.14133	10117277.3170250766	36.54535217954742	-101.1134195	118885.136651544	4319529.36171546	3183.3982581633446	2029.985819230104	2930.4712390045	2930.4712390045	96.26044114354	96.96273434081
430	34	248850	-87801.14133	10117277.3170250766	36.5453582223685	-101.111077	118986.139243095	4319525.301364321	3179.40479703096	2028.180701012508	2928.6535487996207	2928.6535487996207	96.71050915789367	94.5351521388177
431	34	248851	-87141.14133	10117277.3170250766	36.54536420471024	-101.1087344	119087.141911852	4319521.241781518	3178.280156144426	2027.270810739869	2927.5045255203254	2927.3665508909272	96.73665550904536	94.742120930697
432	34	248852	-86481.14133	10117277.3170250766	36.5453710350005	-101.1063919	119288.143224902	4319517.182426738	3176.2015329097066	2026.3423857293327	2927.0322644001933	2927.0322644001933	96.811021123919875	94.283205237057526
433	34	248853	-85821.14133	10117277.3170250766	36.545376080373744	-101.104094	119489.1486	4319513.123999675	3175.55446837952	2027.6895183467195	2931.2898146461067	2931.2898146461067	97.40490618875374	94.10460989
434	34	248854	-85161.14133	10117277.3170250766	36.5453819424224	-101.1017069	119690.14861577016	4319509.00441199	3183.485596833054	2025.422958384356	2931.109636571498	2931.109636571498	97.40490618875374	94.10460989
435	34	248855	-84501.14133	10117277.3170250766	36.54538775925548	-101.0993643	119891.1504988242	4319505.005704025	3181.2575934400744	2025.404640867617	2930.1137178188937	2929.834087977498	97.3132269877749	93.587909880795
436	34	248856	-83841.14133	10117277.3170250766	36.54539301381342	-101.0970128	120092.150624847	4319500.347287634	3175.065440108277	2024.02596545077	2930.518505170631	2929.879701760157	96.884913464601	94.50626584819568
437	34	248857	-83181.14133	10117277.3170250766	36.545406891716104	-101.0944295	120298.152378789	4319495.80872317	3174.017687707187	2023.9135273901505	2929.86208282392	2929.86208282392	96.884913464601	94.50626584819568
438	34	248858	-82521.14133	10117277.3170250766	36.545404094	-101.0923368	120494.15509511614	4319492.83105981	3172.684133435504	2020.2684116902055	2935.045026181076	2935.045026181076	96.884913464601	94.50626584819568
439	34	248859	-81861.14133	10117277.3170250766	36.545410738558	-101.0899943	120695.1527860115	4319488.73273069	3170.653886023152	2019.15519038566	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
440	34	248860	-81201.14133	10117277.3170250766	36.54541614492325	-101.0876517	120896.1572864575	4319484.7596162	3168.436394139163	2018.01305897216	2936.95857953755	2936.95857953755	97.1571913804069	94.1295262124543
441	34	248861	-80541.14133	10117277.3170250766	36.545421709773764	-101.0853092	121097.1581199108	4319480.658481735	3174.340074040268	2016.8160465423895	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
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443	34	248863	-79221.14133	10117277.3170250766	36.5454326947062	-101.0806242	121499.158246381	4319472.544570897	3169.812457303732	2014.829723703732	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
444	34	248864	-78561.14133	10117277.3170250766	36.5454380749692	-101.0782817	121700.15957578307	4319468.487791792	3167.9105845737172	2014.02968331177	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
445	34	248865	-77901.14133	10117277.3170250766	36.54544338346054	-101.0759391	121901.1597136095	4319464.31560947	3165.923551199207	2013.8135178240595	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
446	34	248866	-77241.14133	10117277.3170250766	36.54544876	-101.0735966	122102.159678044	4319460.3539701	3163.82903511607	2013.403631	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
447	34	248867	-76581.14133	10117277.3170250766	36.5454530109994	-101.071254	122303.159469249	4319456.319461597	3161.7882191198108	2013.009747393115785	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
448	34	248868	-75921.14133	10117277.3170250766	36.5454592595381	-101.0689115	122504.159087567	4319452.627353082	3159.8261284746523	2012.583077631546	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
449	34	248869	-75261.14133	10117277.3170250766	36.545464442432264	-101.066589	122705.1585330814	4319448.208274245	3157.8747652907424	2012.163744046963	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
450	34	248870	-74601.14133	10117277.3170250766	36.54546983749864	-101.064225	122906.157800929	4319444.153022376	3155.928723703732	2011.829723703732	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
451	34	248871	-73941.14133	10117277.3170250766	36.54547457352914	-101.0618839	123107.15690575	4319440.2978268	3153.981149501472	2011.0232302371177	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
452	34	248872	-73281.14133	10117277.3170250766	36.54547972101508	-101.0595414	123308.1554339835	4319436.03	3151.774781682305	2010.663155038853	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
453	34	248873	-72621.14133	10117277.3170250766	36.545484723231796	-101.0571989	123509.15459147084	4319431.98863895	3149.073622330836	2010.004802295635	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
454	34	248874	-71961.14133	10117277.3170250766	36.54548968019303	-101.0548564	123710.1531762014	4319427.934293415	3147.8260447278364	2009.497653215688	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
455	34	248875	-71301.14133	10117277.3170250766	36.545494981898825	-101.0525138	123911.15158935	4319423.880180762	3146.59177107183823	2009.071462374305	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
456	34	248876	-70641.14133	10117277.3170250766	36.5454995834913	-101.0501713	124112.149831259	4319419.826295927	3144.9173149501472	2008.5712291661947	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
457	34	248877	-70001.14133	10117277.3170250766	36.54550498349864	-101.047828	124313.149831259	4319415.826295927	3143.68173149501472	2008.0712291661947	2937.014288086568	2937.014288086568	97.734204117792723	94.1295262124543
458	34	248878	-69321.14133	10117277.3170250766	36.545509055473264	-101.0454862	124514.158018126	4319411.71209083	3142.445780813662	2007.590928297332				

ix	iy	x	y	X.Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SatTLog.f	SatTBoth.f
541	334	246961	-14541.14133	1012177.310250766	36.5647478605348	-00.85105655	341196.396208347	409170.677862053	2943.1315121697003	2828.327114304328	2828.327114304328	2820.320319117339	0	5.656090926843712	
542	334	246962	-13891.14133	1012177.310250766	36.564748671506795	-00.8487129	341397.38048620083	4091072.043337626	2943.4996764751284	2823.459860251194	2823.459860251194	2819.09260406046725	0	5.36316210521589	
543	334	246963	-13221.14133	1012177.310250766	36.56474960070489	-00.8463704	341589.3610004069	409068.9004069	2948.50717259144	2822.045352511923	2821.163317444146	2817.438514872816	0	4.690203380378752	
544	334	246964	-12561.14133	1012177.310250766	36.564750486454005	-00.8440278	341799.34858412085	409033.97570881	2958.155514872647	2819.6140660218494	2815.5229561415276	2815.602038366387	0	4.0338982155010672	
545	334	246965	-11901.14133	1012177.310250766	36.564571323331176	-00.8416853	342000.332500441	409105.941925951	2967.803532068214	2817.250163085492	2833.9874170174295	2813.6178603919484	0	3.63323026935438065	
546	334	246966	-11241.14133	1012177.310250766	36.5645712670534	-00.8393427	342201.3161565627	409105.908510077	2971.45118949568	2814.87593208022	2835.430263482315	2811.42411780434728	0	3.4518114403478238	
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549	334	246969	-9261.14133	1012177.310250766	36.564574960251275	-00.8323151	342804.26624770416	4091043.809624679	2977.6438256599383	2807.8789606599383	2838.7446148432955	2807.224024355882	0	1.656023671529267	
550	334	246970	-8601.14133	1012177.310250766	36.56457453791823	-00.8299725	343005.249040854	4091039.777116927	2975.709052309776	2805.5984553615885	2838.875557780994	2804.336704650592	0	1.251784965254784	
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587	334	247007	15818.858673033514	1012177.310											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLog.Kg74	BRLEvLog.Kg78	SatThkLog.s	SatThkBoth.f
673	34	247087	68618.8586730335	1012177.3170250766	36.554514067896136	-105.558952	366959.274401067155	4309569.5384045085	2738.96297346462	2649.3629098016722	2657.6877124679368	2658.1088150927308	0	0
668	34	247088	68627.8586730335	1012177.3170250766	36.55450595991162	-105.55935426	366720.2405979733	4309556.532632102	2735.59056284194	2648.17769493021	2656.910389630257	2658.4785478823424	0	0
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671	34	247091	68654.8586730335	1012177.3170250766	36.55449490520554	-105.546525	367323.10992305	4309553.516632528	2725.86475716493	2644.69226687241	2652.400611345313	2652.823864	0	0
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673	34	247093	68672.8586730335	1012177.3170250766	36.55448504215412	-105.54184	367725.070264877	4309545.502107294	2720.67491447952	2642.423456011216	2650.703984205345	2650.707492482316	0	0
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698	34	247118	68897.8586730335	1012177.3170250766	36.5534842606772	-105.4832769	372749.1798003636	4309445.4620805	2663.67300990367	2594.5342363078713	2593.28896867634	2593.28896867634	23.7542630230892	21.7542630230892
699	34	247119	68906.8586730335	1012177.3170250766	36.55343035190617	-105.4809344	372950.1251339944	4309441.465247197	2661.262165310417	2592.164650403189	2592.64784396325	2608.500512453243	3.5166600445572917	4.46389784645572
700	34	247120	68915.8586730335	1012177.3170250766	36.5534310590424	-105.4789187	373151.1051052795	4309437.465872007	2662.9051751487497	2591.375540830542	2612.4585773456997	2613.740459020304	0	0
701	34	247121	68924.8586730335	1012177.3170250766	36.55337954739538	-105.4762943	373352.067	4309433.465842491	2664.1493648941218	2590.726520488321	2607.001152592427	2607.001152592427	23.75678610782117	21.75678610782117
702	34	247122	68933.8586730335	1012177.3170250766	36.553326807346	-105.4739097	373553.02935212	4309429.470438337	2665.24704383337	2589.82683222913	2598.9383222913	2598.9383222913	23.908057051641	21.908057051641
703	34	247123	68942.8586730335	1012177.3170250766	36.553275552276	-105.4716243	373754.7932156485	4309425.472650439	2666.24059781958	2589.43672694822	2590.726520488321	2607.001152592427	23.75678610782117	21.75678610782117
704	34	247124	68951.8586730335	1012177.3170250766	36.55320919575926	-105.4692218	373954.954265007	4309421.47470082	2666.696175795081	2604.8563415785134	2583.5423574654024	2611.313696458252	23.91910530668	21.91910530668
705	34	247125	68960.8586730335	1012177.3170250766	36.55316021734448	-105.4668793	374155.9162555807	4309417.47407861	2667.15411967967	2603.807348565122	2577.685774003459	2577.685774003459	23.75678610782117	21.75678610782117
706	34	247126	68969.8586730335	1012177.3170250766	36.5531116859791	-105.4645367	374356.878125233	4309413.480279665	2667.660820479691	2602.8326304205925	2572.268337702551	2572.268337702551	23.91910530668	21.91910530668
707	34	247127	68978.8586730335	1012177.3170250766	36.5530697716275	-105.4621942	374557.8389752286	4309409.483	2668.230940145559	2600.47648774474	2567.176004295875	2567.176004295875	23.75678610782117	21.75678610782117
708	34	247128	68987.8586730335	1012177.3170250766	36.5530191195335	-105.4598517	374758.80150577397	4309405.486533918	2669.055719408373	2599.1646367194083	2566.214454207474	2566.214454207474	23.91910530668	21.91910530668
709	34	247129	68996.8586730335	1012177.3170250766	36.5529692736867	-105.4575167	374959.724409337	4309401.47370158	2669.81731163143	2598.036324901133	2565.16038248491487	2565.16038248491487	23.75678610782117	21.75678610782117
710	34	247130	68995.8586730335	1012177.3170250766	36.552919575926	-105.4551667	375160.724409337	4309397.40339168	2668.671545451337	2597.04151395367	2564.93672694822	2607.001152592427	23.91910530668	21.91910530668
711	34	247131	69004.8586730335	1012177.3170250766	36.5528692338988	-105.4528242	375361.6856276734	4309393.49765726	2669.055719408373	2596.02407383216	2563.28896867634	2593.2889686763		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgrg.ft	BRfElevBothKgrg.ft	SatfBoth.ft	
53	35	24713	-336621.1413	101.28373107250766	36.50685488055644	-101.9941833	243097.90587637548	4393273.41680439	3582.8600657481124	37.45.5068148970045	3436.4213280024598	3477.832393703933	39.0852868945488	37.67367516661125
54	35	24714	-335961.1413	101.28373107250766	36.50708556090626	-101.9918411	243298.9855987644	4393269.270332127	3586.7815391706317	3474.203196894517	3435.6578068487543	3436.42589105451	34.583399950291	37.7770353083636
55	35	24715	-335301.1413	101.28373107250766	36.50713156889262	-101.9884869	243500.0726895684	4393264.124196832	3588.8423667186437	3475.3683976627278	3434.8332705437592	3438.400766762369	38.10220810351868	37.92711885080374
56	35	24716	-334641.1413	101.28373107250766	36.5074536435943	-101.9871566	243701.15556715342	439304.043513921464	3589.0043113921464	3471.7045116519224	3434.0013125186388	3437.70197846043	37.70330423328345	35.9874071762807
57	35	24717	-333981.1413	101.28373107250766	36.5077475875093	-101.9848144	243902.23280966803	4393256.832637883	3589.245735066496	3470.507975067908	3433.040319	3435.4414221142084	37.4676573883795	35.0665245388247
58	35	24718	-333321.1413	101.28373107250766	36.5080033809976	-101.9824722	244103.3207612045	4393245.8627205013	3589.4471178193513	3469.3546282873503	3432.1945709612223	3434.754619288254	37.15105732621	34.5097576476201
59	35	24719	-332661.1413	101.28373107250766	36.5083231672302	-101.98013	244304.20478938657	4393244.350203326	3586.132839	3468.21640971565	3431.11825980264	3434.37217285816	37.0282399913004	34.048769685748994
60	35	24720	-332001.1413	101.28373107250766	36.50845956418975	-101.9777787	244505.4848425677	4393244.347023358	3583.7632879	3467.117504265396	3430.1091402786597	3434.372328127945	37.0083639816795	32.73918144774507
61	35	24721	-331341.1413	101.28373107250766	36.50876699510894	-101.974545	244706.6685540054	4393240.25292927	3577.857295506231	3466.046876	3429.0837415236813	3433.448812366323	37.0157032328688	32.58976394755174
62	35	24722	-330681.1413	101.28373107250766	36.5089139158663	-101.9713102	244907.5481	4393236.108	3576.7625077381	3465.03344892948	3427.8111564810837	3432.280361133357	37.19224844424	32.7228086115234
63	35	24723	-330021.1413	101.28373107250766	36.5091404241422	-101.970761	245108.7293194335	4393321.363506903	3558.208139712614	3463.9635152385804	3426.8359369899487	34313254551177956	33.0104536855963	
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65	35	24725	-328701.1413	101.28373107250766	36.5095920833267	-101.9660765	245510.8909672805	4393216.67545109	3541.888993067387	3462.0255283318256	3423.493307278527	3426.07341208335	35.9480552291851	
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67	35	24727	-327381.1413	101.28373107250766	36.51004193256587	-101.961392	245913.0516225553	4393215.38677484	3528.02662	3460.142078849434	3418.7460141185065	3421.3960431548157	34.39606431336544	38.836300160186855
68	35	24728	-326721.1413	101.28373107250766	36.51026917862504	-101.9590498	246114.1315741585	4393211.245585218	3528.180673	3459.240363521177	3416.043300203343	3419.643751020336	43.1807273287454	39.5802851177904
69	35	24729	-326061.1413	101.28373107250766	36.5104897721351	-101.9567075	246315.2112709529	4393207.10699375	3524.334726	3458.316009128678	3413.0537188138246	3413.943576363685	45.26226031485354	46.07343176849275
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71	35	24731	-324741.1413	101.28373107250766	36.5110362017519	-101.952023	246717.36991204327	439318.617604521	3525.402186957646	3455.6179390785224	3412.234704	3412.38417617620753	44.28323513992245	44.13376280625146
72	35	24732	-324081.1413	101.28373107250766	36.5111586378619	-101.9496808	246918.4586857508	4393194.67406295	3523.12889562149	3455.6215516709062	3411.764032814004	3412.3798074849544	43.657185890260	43.2417442231181
73	35	24733	-323421.1413	101.28373107250766	36.51138062159594	-101.9473385	247119.52755117553	439315.03439065	3540.8376240471	3442.72688267044	3407.672938815024	3411.649334857303	40.04992945646927	43.9533241474209
74	35	24734	-322761.1413	101.28373107250766	36.5116021570533	-101.9449693	247320.605947838	4393186.391700759	3546.55415573295	3453.6193635047874	3409.356671716307	3410.834055852582	44.46914884335844	42.07861761562912
75	35	24735	-322101.1413	101.28373107250766	36.51184592015094	-101.94254	247526.5781238108	4393140.269195484	3548.903878147	3452.317917915162	3407.67456225108	3408.25819736496	44.0320173463391	
76	35	24736	-321441.1413	101.28373107250766	36.5120343875474	-101.9403118	247722.762234707	4393178.108291195	3568.99812849067	3451.99328003269	3406.4756564195875	3407.528157424885	45.45571155128129	44.0526162189803
77	35	24737	-320781.1413	101.28373107250766	36.5122640315213	-101.9379765	247923.8393012906	4393167.86777862	3568.208139712614	3451.99328003269	3406.4756564195875	3407.528157424885	45.45571155128129	44.0526162189803
78	35	24738	-320121.1413	101.28373107250766	36.5124837528281	-101.9356272	248124.91737623048	4393169.82706458	3591.128013767426	3450.137143	3402.2102074127276	3401.981052173174	47.926395319737524	48.1560697876329
79	35	24739	-319461.1413	101.28373107250766	36.512703301661	-101.933285	248325.9945732964	4393165.6864808	3599.354069703582	3449.1983719702616	3400.4649097051883	3400.881899627026	48.34762265073285	49.0167234323582
80	35	24740	-318801.1413	101.28373107250766	36.5129213383032	-101.9309427	248527.07152151833	4393161.54613376	3604.741239167504	3448.2599606015224	3402.5247192818883	3402.2215926767464	45.7312767968338	48.03404318285816
81	35	24741	-318141.1413	101.28373107250766	36.51314520319343	-101.9286065	248726.1581818877	4393178.408014027	3581.12848638996	3447.319004638996	3401.561782211163	3401.232878932255	45.75125828	
82	35	24742	-317481.1413	101.28373107250766	36.513361133639	-101.925952	248926.2246772335	4393156.125614202	3614.37283770548	3447.319004638996	3401.561782211163	3401.232878932255	45.75125828	
83	35	24743	-316821.1413	101.28373107250766	36.5135757523229	-101.9239159	249130.3068572196	4393149.12646799	3568.99812849067	3445.43376310537	3397.182496442635	3396.77750649131	45.2383967002414	48.6588951622224
84	35	24744	-316161.1413	101.28373107250766	36.5137925788114	-101.9215736	249331.37087315227	4393144.947040914	3604.657374469107	3444.50373190253916	3394.344272067127	3393.99519629189	50.15800931917888	50.1142733057045
85	35	24745	-315501.1413	101.28373107250766	36.51400931828335	-101.9192314	249532.4525372787	4393140.48	3595.6272693095	3443.586588382883	3390.902617328038	3390.483591877116	48.366839054845495	53.1026424565763
86	35	24746	-314841.1413	101.28373107250766	36.51422523437375	-101.9168891	249733.5279960474	4393136.708880047	3588.588230640893	3442.678590945258	3386.889360322935	3386.4189903272336	55.7864897222336	56.25686871255084
87	35	24747	-314181.1413	101.28373107250766	36.51444409	-101.9145488	249934.6032083988	4393132.551045825	3588.616924501625	3441.7759094026244	3382.38683339161	3381.85840889848	59.2892623465546	59.9175007
88	35	24748	-313521.1413	101.28373107250766	36.51465920175094	-101.9122404	250135.5781238108	439314.851642747	3605.308781719152	3442.72688267044	3407.67456225108	3408.25819736496	44.0320173463391	
89	35	24749	-312861.1413	101.28373107250766	36.51487940471671	-101.9098623	250336.75289184475	4393124.29374017	3581.12848638996	3440.00788881904	3371.862651418335	3384.234456213293	58.3943245673631	58.3943245673631
90	35	24750	-312201.1413	101.28373107250766	36.5150851158307	-101.90752	250537.827303322	4393120.155329855	3636.293004961873	3439.135776823895	3365.323346656197	3365.03741070044	73.0123401677202	74.096721234534
91	35	24751	-311541.1413	101.28373107250766	36.515298550116	-101.9051777	250738.9015876514	4393110.5718357	3588.2706153161466	3438.135965857324	3362.2706153161466	3362.2706153161466	80.5702536239356	80.5702536239356
92	35	24752	-310881.1413	101.28373107250766	36.5155124371855	-101.9028354	250939.9755659309	4393110.87998315	3644.8057662445	3437.4091557764827	3350.04627401969	3350.04627401969	87.48042837451357	87.9868791060514
93	35	24753	-310221.1413	101.28373107250766	36.5157257295908	-101.9004832	251141.0492801021	4393107.72897205	3645.39196224534	3365.549840126079	3341.06089891955	3340.275617065475	85.40457512065240	96.2742236002135
94	35	24754	-309561.1413	101.28373107250766	36.51593775770834	-101.8981509	251342.1278416227	4393105.40471669	3645.93301512444	3342.22760779695	3331.02425778066	3330.4655047414594	90.4655047414594	90.4655047414594
95	35	24755	-308901.1413	101.28373107250766	36.51615361393766	-101.895854	251543.1962157172	4393103.00807963	3645.93301512444	3342.22760779695	3331.02425778066	3330.4655047414594	90.4655047414594	90.4655047414594
96	35	24756	-308241.1413	101.28373107250766	36.516361393766	-101.893463	251744.269	4393100.3102857	3626.1205652422	3433.967249254407	3322.1886353266	3322.854477255105	90.7443040551468	90.711282153309213
97	35	24757	-307581.1413	101.28373107250766	36.5165724881265	-101.891124	251945.341728844	4393091.195620489	3612.7319772592314	3433.009014218026	3331.02425778066	3331.02425778066		

ix	iy	ic3n	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgm.f	BREIElevBothKgm.f	SatHtElevKgm.f	LatBoth	LonBoth
179	35	24339	-253461.1413	101.28373	3170250766	36.653234486974846	-01.69690521	268432.49222984697	4392752.793381258	3518.748883080853	3246.313304030056	3246.5066443333045	3238.59880680636527	12.05625999700109	122.01475966658283
180	35	24340	-252801.1413	101.2837	3170250766	36.65325184372165	-01.69677907	268633.54533576884	4391248.676800705	3518.2006486851127	3359.505719804848	3234.0379309740303	117.18884202523016	125.5170788360045	121.884202523016
181	35	24341	-252141.1413	101.28373	3170250766	36.65326915521717	-01.69647362	268833.59821404476	4392744.559205284	3518.6632192648708	3358.500019848088	3238.97131341081	117.52742857401972	125.89484841708493	121.884202523016
182	35	24342	-251481.1413	101.28373	3170250766	36.6532864216301	-01.69620249	269035.65086452523	4393740.442192285	3518.120374396362	3357.448703717294	327.42090382616	126.16871	130.2799036216923	125.89484841708493
183	35	24343	-250821.1413	101.28373	3170250766	36.653303642547495	-01.68986286	269236.7302871446	4393736.258967131	3517.302060318225	3356.408078575594	3235.199466274819	125.82446270806216	120.2137460077513	130.5566137953324
184	35	24344	-250161.1413	101.28373	3170250766	36.65332081820113	-01.68734024	269437.75482891284	4393732.302912733	3516.208264018434	3345.16878463785	3234.5178048016246	121.8014319713373	126.5417931819173	125.89484841708493
185	35	24345	-249501.1413	101.28373	3170250766	36.65333974869391	-01.68498798	269638.76458172491	4393718.093074064	3515.114474689262	3354.236038740873	3234.108250926534	122.929252696534	120.2137460077513	125.89484841708493
186	35	24346	-248841.1413	101.28373	3170250766	36.653355033935775	-01.6826554	269839.85912960586	4393723.737162855	3514.020684579826	3348.29794342942	3229.5308742809364	122.97176654112754	119.77919132637875	124.1100902166673
187	35	24347	-248181.1413	101.28373	3170250766	36.65337001522171	-01.680313	270048.05912007013	4393715.981486899	3512.42005117937	3352.2698107715465	3228.786985989664	122.97176654112754	119.77919132637875	124.1100902166673
188	35	24348	-247521.1413	101.28373	3170250766	36.65338906866667	-01.67779706	270241.3619652382	4393715.748	3510.25398111103	3351.23938914587	3231.9314973942	122.97176654112754	119.77919132637875	124.1100902166673
189	35	24349	-246861.1413	101.28373	3170250766	36.65340601815562	-01.6756282	270443.0130569176	4393711.630074191	3508.12237102303	3350.224570190639	3230.9141377998676	122.97176654112754	119.77919132637875	124.1100902166673
190	35	24350	-246201.1413	101.28373	3170250766	36.65342292335324	-01.673258	270644.063924532	4393707.51581978	3505.98180410042	3349.216534040545	3229.96451150004	122.97176654112754	119.77919132637875	124.1100902166673
191	35	24351	-245541.1413	101.28373	3170250766	36.65343978138034	-01.6709434	270845.114502409	4393703.01405457	3503.20503353588	3348.216055170562	3228.8676045700625	122.97176654112754	119.77919132637875	124.1100902166673
192	35	24352	-244881.1413	101.28373	3170250766	36.6534569511609	-01.668601	271046.16485911	4393699.28623156	3499.77645990391	3347.2230264968607	3227.581011315165	122.97176654112754	119.77919132637875	124.1100902166673
193	35	24353	-244221.1413	101.28373	3170250766	36.65347336	-01.666258	271247.2150442576	4393692.71221963	3496.39689436503	3346.236827694974	3226.5256953741602	122.97176654112754	119.77919132637875	124.1100902166673
194	35	24354	-243561.1413	101.28373	3170250766	36.653490968341	-01.6639162	271448.2640772594	4393691.058	3492.93458972073	3345.251984761637	3225.298201448948	122.97176654112754	119.77919132637875	124.1100902166673
195	35	24355	-242901.1413	101.28373	3170250766	36.6535067841638	-01.6615737	271649.314685158	4393689.94309868	3490.748348592938	3344.285905503592	3224.103536	122.97176654112754	119.77919132637875	124.1100902166673
196	35	24356	-242241.1413	101.28373	3170250766	36.6535233754737	-01.6592313	271850.364181478	4393682.33069852	3488.415897096158	3343.315305382577	3223.00348755047	122.97176654112754	119.77919132637875	124.1100902166673
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198	35	24358	-240921.1413	101.28373	3170250766	36.6535565275556	-01.6545465	272252.4624602259	4393674.06147347	3484.933156578233	3341.363145600578	3221.01754970187	122.97176654112754	119.77919132637875	124.1100902166673
199	35	24359	-240261.1413	101.28373	3170250766	36.65357302423268	-01.6522041	272453.5112697254	4393670.491246643	3482.9987846412396	3340.372744540073	3221.782915793063	122.97176654112754	119.77919132637875	124.1100902166673
200	35	24360	-239601.1413	101.28373	3170250766	36.65358994578594	-01.6498617	272654.559851432	4393666.738555919	3481.05188925615	3339.34805409103	3221.5256989695	122.97176654112754	119.77919132637875	124.1100902166673
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202	35	24362	-238281.1413	101.28373	3170250766	36.6536224363635	-01.6451789	273056.654548803	4393655.13596278	3477.19850126379	3337.374000772206	3221.064588586626	122.97176654112754	119.77919132637875	124.1100902166673
203	35	24363	-237621.1413	101.28373	3170250766	36.6536385963528	-01.6428345	273257.70436888036	4393648.02364	3475.2642954147305	3336.3764290542	3214.8594427214107	122.97176654112754	119.77919132637875	124.1100902166673
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216	35	24376	-229041.1413	101.28373	3170250766	36.65382645493754	-01.612383	275871.307146195	4393602.69048239	3449.589591173318	3322.409006218765	3197.139918	122.97176654112754	119.77919132637875	124.1100902166673
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218	35	24378	-227721.1413	101.28373	3170250766	36.653857869011254	-01.6076981	276273.396403312	4393592.38452994	3445.811179673084	3320.148907245017	3192.6946155311616	122.97176654112754	119.77919132637875	124.1100902166673
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221	35	24381	-225741.1413	101.28373	3170250766	36.6539061907678	-01.600671	276876.5269179847	4393580.19876457	3440.589591173318	3316.728460767843	3186.17816822201	122.971		

ix	iy	Xc	Yc	Lat	Long	UTM-X	UTM-Y	SurElev	W.Lt	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtKgr.f
305	35	247465	-173030.1413	101.28373170250766	36.65056057749925	-101.4039031	293763.4555247169	4392235.824769827	3193.523157054075	3080.3345276115665	3079.678602793992	113.18862294250395	113.84845246007844
306	35	247466	-169641.1413	101.28373170250766	36.65057632471777	-101.4015066	293964.48512597225	4392231.7841633925	3387.633452266611	3191.332124863197	3079.642426710709	112.78378175202978	113.504498954656
307	35	247467	-165021.1413	101.28373170250766	36.65059032492024	-101.3982181	294165.7035777396	4392227.5485291185	3383.7874502490716	3190.326845089074	3079.635069384607	112.43831472661307	112.2662585891398
308	35	247468	-16321.1413	101.28373170250766	36.65059090491984	-101.3968756	294368.53639	4392223.560409195	3378.8745751702067	3188.7193201439067	3078.971232099667	107.76785670616218	111.72605142774283
309	35	247469	-167661.1413	101.28373170250766	36.6511122564879	-101.3945331	294567.55832012754	4392219.4742748165	3375.9614525769724	3187.08759046149	3076.217763450336	107.76624040683717	110.86682701116312
310	35	247470	-167001.1413	101.28373170250766	36.6511229694895	-101.3921906	294748.768351509343	439215.385	3372.0479335367376	3185.4526173429063	3075.787918285749	107.6646909517567	110.31444407818197
311	35	247471	-166341.1413	101.28373170250766	36.65113432819593	-101.3898481	294963.68068088613	4392211.298114459	3370.25092301662267	3183.010216962267	3075.092034200098	108.71818294216291	109.5212098937805
312	35	247472	-165681.1413	101.28373170250766	36.6514571158852	-101.3875055	295170.6330163374	4392207.271114264	3370.578503720835	3182.161733594489	3074.810625237347	107.75090087075412	108.3004485791618
313	35	247473	-165021.1413	101.28373170250766	36.6515704972671	-101.3851633	295371.7659782632	4392203.154287243	3370.90332743313	3180.5685249092166	3074.382014507688	107.71348957252878	108.96852014048982
314	35	247474	-164361.1413	101.28373170250766	36.6515834281048	-101.3832025	295572.682058203	4392199.0738274035	3371.22814372691	3178.9456118655794	3072.752773982636	107.71696312185724	109.6664464870670
315	35	247475	-163701.1413	101.28373170250766	36.6517064706024	-101.380478	295773.7064760624	4392194.35511967818	3372.734252283313	3177.123255826336	3072.29119716556335	107.66276690521326	104.5065305300596
316	35	247476	-163041.1413	101.28373170250766	36.6519079261466	-101.3781355	295974.7304666253	4392190.865504191	3368.4218681303953	3175.495680210527	3072.05807593662	107.6713747427484494	103.138308039362
317	35	247477	-162381.1413	101.28373170250766	36.6520194973503	-101.375793	296175.7542578275	4392186.791721808	3368.104113033584	3173.812096103637	3071.9834760272626	107.7152656257448	101.8286207869107
318	35	247478	-161721.1413	101.28373170250766	36.65213061600875	-101.3734505	296376.7778489733	4392182.681415654	3366.796953904142	3172.1228611390316	3072.3120238020246	107.753938823014	99.7938256730304
319	35	247479	-161061.1413	101.28373170250766	36.6522412821223	-101.371079	296577.80124056747	4392178.608745455	3364.885495340617	3172.2865540187	3072.8865540187	107.72460611	97.953084398527095
320	35	247480	-160401.1413	101.28373170250766	36.652255131	-101.3687564	296778.82433281834	4392174.523054014	3362.30918289711	3168.732887101945	3072.65140743646	107.7598055627807	95.08147685826846
321	35	247481	-159741.1413	101.28373170250766	36.65246125671205	-101.3664229	296978.8474203316	4392170.438694589	3359.854821220234	3167.03914274906	3071.74140411936243	107.941901707	92.9167308128146
322	35	247482	-159081.1413	101.28373170250766	36.6525705651883	-101.3640804	297180.87022011285	4392166.354012824	3357.340455956278	3165.332746272897	3075.263512299367	107.805828880004	90.02679512600272
323	35	247483	-158421.1413	101.28373170250766	36.6526794211183	-101.3613739	297381.8928155673	4392162.269690156	3351.8228872371	3163.6322246657687	3074.1123001298806	107.7429627494968	89.5919245
324	35	247484	-157761.1413	101.28373170250766	36.6527784250175	-101.3593953	297582.9152125028	4392158.18536577	3343.3021738219326	3161.382173623118	3071.909139916745	90.2088403938466	90.0203371
325	35	247485	-157011.1413	101.28373170250766	36.65299577333919	-101.3570528	297783.934111248	4392154.101342085	3344.37813214899475	3160.235034016058	3068.4866011645036	107.74843289	91.49454139
326	35	247486	-156441.1413	101.28373170250766	36.65303727352916	-101.3547103	297944.9594116373	4392150.10756665	3336.26530593673	3158.54230710707	3064.813815484644	106.526127106303	91.3613954225531
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329	35	247489	-1545461.1413	101.28373170250766	36.65347262259914	-101.3476827	298588.2402259914	4392137.76754782	3315.19367733324	3153.550091123885	3054.153910684593	105.9252036732455	95.9738137007532
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331	35	247491	-153141.1413	101.28373170250766	36.6537303789237	-101.3429977	298990.06548973835	4392129.620183391	3309.8893057861227	3149.7501968863127	3048.7838114721028	105.9252036732455	95.9738137007532
332	35	247492	-152481.1413	101.28373170250766	36.6538337599288	-101.3406551	299191.087365935	4392125.51979257	3307.6333771815385	3148.54730610881	3048.06569696952	105.9252036732455	95.9738137007532
333	35	247493	-151821.1413	101.28373170250766	36.65397430933854	-101.3383126	299392.1076147027	4392121.4376931	3305.81978744642	3147.3158993661348	3046.7874311710254	105.9252036732455	95.9738137007532
334	35	247494	-151161.1413	101.28373170250766	36.65403846623034	-101.3359701	299593.1268405432	4392117.3359701	3303.144003581135	3145.29061081135	3044.152018033154	104.7307033805214	97.45408064574
335	35	247495	-150501.1413	101.28373170250766	36.65413950396537	-101.3336276	299794.14863536495	4392113.73392933	3299.264372266143	3143.690581360854	3043.119428441717	104.7307033805214	97.45408064574
336	35	247496	-149841.1413	101.28373170250766	36.6542053366447	-101.331285	299995.1687	4392109.192517828	3293.82479250786	3142.087903246677	3036.659684394362	104.7307033805214	97.45408064574
337	35	247497	-149181.1413	101.28373170250766	36.6542515886726	-101.3289425	300196.18850107386	4392105.11271709	3288.385187482656	3140.521956882046	3033.87358780778	104.7307033805214	97.45408064574
338	35	247498	-148521.1413	101.28373170250766	36.6542579544393	-101.3266	300397.2804503752	4392102.94502569	3282.945641962374	3138.962040735041	3031.230884630365	104.7307033805214	97.45408064574
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341	35	247501	-146541.1413	101.28373170250766	36.6545441422801	-101.3197524	301000.2586853005	4392096.788576346	3274.124382032999	3134.7932580894	3024.9038148439923	104.7307033805214	97.45408064574
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343	35	247503	-145221.1413	101.28373170250766	36.6547615047577	-101.3148873	301402.34095874	4392090.629	3258.841192978184	3131.38842829766	3033.08034010338	104.7307033805214	97.45408064574
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345	35	247505	-143901.1413	101.28373170250766	36.6549595707339	-101.3102022	301804.340155802845	4392090.742	3216.75189107134847	3128.4759284172684	3035.5693516733895	104.7307033805214	97.45408064574
346	35	247506	-143241.1413	101.28373170250766	36.655055082	-101.3078597	302005.363676722	4392088.39357746	3198.70749031134	3127.045407188302	3035.5726535657903	104.7307033805214	97.45408064574
347	35	247507	-142581.1413	101.28373170250766	36.655120310695	-101.305719	302206.438296367	4392086.3269771	3186.173924877533	3125.474509165899	3034.737896165899	104.7307033805214	97.45408064574
348	35	247508	-141921.1413	101.28373170250766	36.6551734113168	-101.3031746	302407.398188295	4392084.33675721	3174.214382032999	3124.2328574134	3034.884046	104.7307033805214	97.45408064574
349	35	247509	-141261.1413	101.28373170250766	36.65523008397526	-101.3008321	302608.41131973597	4392082.514767373	3188.525346759994	3122.8497336304185	3035.563905233636	104.7307033805214	97.45408064574
350	35	247510	-140601.1413	101.28373170250766	36.65524474680252	-101.2984896	302809.4286	4392080.57906359	3186.414585356956	3121.4795060227882	3044.1999616428393	104.7307033805214	97.45408064574
351	35	247511	-139941.1413	101.28373170250766	36.6553453626377	-101.296147	303010.454724243	4392077.9876222	3182.571429438482	3120.120088404195	3055.05304718783	104.7307033805214	97.45408064574
352	35	247512	-139281.1413	101.28373170250766	36.655393846409	-101.2938045	303211.4626643831	4392074.905202948	3180.71477991				

ix	iy	X	Y	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLogKrg.f	SatHtBothKrg.f	
431	335	247991	-87141.14133	101.28373170250766	36.56617721346386	-01.1087422	319901.20820032334	3197.722495406011	3170.4067583702662	2924.4359580896135	2932.762158519645	101.74332367897296	93.41712325	
432	335	247992	-86484.14133	101.28373170250766	36.56618316619646	-01.1063994	319922.21037050046	3197.718435876715	3172.5491263179498	2921.1381398137664	2925.2764251606754	101.3833905071064	93.03222511271406	
433	335	247993	-85821.14133	101.28373170250766	36.56618907380769	-01.1040467	319943.2126372646	3197.714378637426	3174.6893583331303	2924.266272380574	2931.867651186747	101.363527238652	92.96900231268452	
434	335	247994	-85161.14133	101.28373170250766	36.5661949494	-01.1017144	319964.2148154538	3197.710717502733	3176.829026314658	2923.414374	2941.501636569996	2931.498369765728	101.89126013136389	91.9357203443185
435	335	247995	-84501.14133	101.28373170250766	36.56620072555866	-01.0993718	319985.21562371346	3197.70528656025	3175.014072000462	2922.4476558200836	2931.682440558667	2931.318175710268	111.76521526141642	91.12948011845765
436	335	247996	-83841.14133	101.28373170250766	36.5662052456279	-01.0970292	320096.2172904116	3197.70200041497	3169.213169	2922.4546125766537	2936.5538515893736	2930.5164558740618	90.9315666824799	91.9070056824799
437	335	247997	-83181.14133	101.28373170250766	36.56621225101328	-01.0948667	320297.2185819322	3196.81641653142	3163.451869728067	2920.4331519056523	2922.330917436684	2929.425113	118.1022234366684	91.0080393487223
438	335	247998	-82521.14133	101.28373170250766	36.56621793220729	-01.0923441	320498.2197	3196.81640349248	3167.672564172824	2919.381363660512	2899.359475819004	2922.32266991598	102.102215784150063	106.53867
439	335	247999	-81861.14133	101.28373170250766	36.5662256814484	-01.0900415	320699.2264030176	3196.802556908	3168.09718710427	2918.2991558917546	2899.288737678468	2933.46148537546	119.0104188436886	91.81767051892575
440	335	247800	-81201.14133	101.28373170250766	36.56622916	-01.0876589	320900.2214070511	3196.8059761013	3164.70468974053	2917.1899575058653	2900.901453017748	2900.092744708477	116.28549359210774	117.0942129013794
441	335	247801	-80541.14133	101.28373170250766	36.5662340425047	-01.0853163	321101.2219995653	3196.81190312858	3171.3222078730856	2916.0435714519735	2902.638505252953	2928.0737605975	118.0102090200327	118.0102090200327
442	335	247802	-79881.14133	101.28373170250766	36.56624020418545	-01.0829738	321302.2221418001	3196.817553133632	3172.87059838644	2916.467099094308	2904.43620911086	2903.42253493108	110.7234951031918	118.82378734466999
443	335	247803	-79221.14133	101.28373170250766	36.56624565933009	-01.0806312	321503.222662461	3196.81739611246	3173.951661262041	2913.6556845431352	2905.321523674937	2933.8411475619823	119.7900638910192	119.7900638910192
444	335	247804	-78561.14133	101.28373170250766	36.5662510689513	-01.0782886	321704.22273306875	3196.81739322735	3183.68291700515	2912.406622517282	2906.270982064987	2909.17956279446	121.3273972291483	121.3273972291483
445	335	247805	-77911.14133	101.28373170250766	36.56625643336361	-01.075948	321965.2226308734	3196.81667629445	3185.301671756789	2911.11820427402	2907.095133233357	2938.736200170873	104.02200570406694	104.02200570406694
446	335	247806	-77241.14133	101.28373170250766	36.5662617525254	-01.0736034	322106.222537244	3196.81661628	3186.9324655891367	2909.789265689138	2907.890291013894	2899.333057865897	101.8989657564452	120.45620080244884
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449	335	247809	-75261.14133	101.28373170250766	36.56627473841197	-01.0665757	322709.2204864037	3196.81548787163	3183.2630107351116	3005.572498	2911.6764205533927	2900.802611859434	93.896077051723	104.76888571547607
450	335	247810	-74601.14133	101.28373170250766	36.56628257657263	-01.0642331	322910.2185187525	3196.814603364271	3181.4665089897816	3004.1020255452668	2910.370126344486	2900.26029597499	91.0319920700577	98.87812495
451	335	247811	-73941.14133	101.28373170250766	36.5662876933669	-01.0618905	323111.2183739061	3196.81348169434	3179.360962893299	3002.6007300252136	2914.400526915513	2909.04478667927	88.1942031089828	93.19025136
452	335	247812	-73281.14133	101.28373170250766	36.56629271699913	-01.0599479	323312.2170606116	3196.8137293	3175.9436691753784	3001.6932604589594	2912.8652869571297	2918.750505617297	85.1910617593273	88.1942031089828
453	335	247813	-72621.14133	101.28373170250766	36.566298353485	-01.0576263	323513.2184637866	3196.81348169434	3173.9324655891367	3003.133694647621	2913.63964647621	2918.750505617297	85.1910617593273	88.1942031089828
454	335	247814	-71961.14133	101.28373170250766	36.56630257642416	-01.0545627	323714.219257875	3196.812936315	3172.1008518214343	2907.910050771124	2912.319053051188	2912.513796909247	84.7274003	85.40420816736989
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456	335	247816	-70641.14133	101.28373170250766	36.56631246183266	-01.0501776	324116.210090414	3196.81210576161	3166.311947749628	2904.64377340678	2908.7659246121602	2907.588182200384	87.484787946178	87.0558931859476
457	335	247817	-69981.14133	101.28373170250766	36.5663172615193	-01.047835	324317.2079294314	3196.81067	3163.33509147747	2906.701440590145	2905.3057482493594	2905.2549017562005	87.5684444938763	87.5684444938763
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459	335	247819	-68661.14133	101.28373170250766	36.56632678302206	-01.0431265	324719.2108337893	3196.8104178765	3157.874217341887	2909.4629621127826	2903.0619871484837	2901.460651137682	86.428674486561	86.428674486561
460	335	247820	-68001.14133	101.28373170250766	36.5663314668721	-01.0408072	324920.20048779617	3196.8104178765	3156.022101019198	2909.7801736173917	2907.7801736173917	2905.7801736173917	85.1910617593273	85.1910617593273
461	335	247821	-67341.14133	101.28373170250766	36.566336108864544	-01.0384646	325113.19764224250	3196.8106708168	3154.17899070215	2905.811182540014	2900.1700050778623	2908.2373435488252	85.7121371613916	87.65408370517616
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463	335	247823	-66021.14133	101.28373170250766	36.56634535267952	-01.0337794	325523.1914276199	3196.81567503734	3149.2130956830033	2902.941880673376	2907.1122507314735	2905.24730101173	85.7121371613916	87.65408370517616
464	335	247824	-65361.14133	101.28373170250766	36.56634975820189	-01.0314368	325724.18806560396	3196.81567503734	3144.821714678122	2905.7140116809154	2905.7140116809154	2905.7140116809154	84.5958015461782	86.37040560548336
465	335	247825	-64701.14133	101.28373170250766	36.566354217467594	-01.0290492	325925.1845341181	3196.81567503734	3140.403452789444	2907.4840542544098	2904.444976222887	2908.082349463042	83.9604491220425	85.7907588186688
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467	335	247827	-63381.14133	101.28373170250766	36.5663630022872	-01.0244091	326327.1786953676	3196.81567503734	3136.240759685832	2904.53076994548	2901.176738223234	2908.082349463042	83.9604491220425	85.7907588186688
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469	335	247829	-62061.14133	101.28373170250766	36.56637166196283	-01.0197239	326729.168716747	3196.81567503734	3130.82971990534	2902.607268424952	2907.61407619277	2907.61407619277	82.926507497017	82.926507497017
470	335	247830	-61401.14133	101.28373170250766	36.5663765849474	-01.0173813	326930.1643	3196.81567503734	3129.64306817	2902.612336778245	2906.324738519724	2905.364231646956	82.926507497017	82.926507497017
471	335	247831	-60741.14133	101.28373170250766	36.5663810266986	-01.0150387	327131.1597979071	3196.81567503734	3128.06494788028	2906.627527373254	2905.885308	2905.885308	81.60671395340023	81.60671395340023
472	335	247832	-60081.14133	101.28373170250766	36.56638416513824	-01.0126861	327332.1550589191	3196.81567503734	3126.565119471775	2906.6427905205583	2904.47318152307	2903.346753709673	80.2043150534843	80.2043150534843
473	335	247833	-59421.14133	101.28373170250766	36.56638891913824	-01.0103715	327533.1550589191	3196.81567503734	3125.076338462	2906.6427905205583	2904.47318152307	2903.346753709673	79.3501277897146	79.3501277897146
474	335	247834	-58761.14133	101.28373170250766	36.5663931234054	-01.0081009	327734.1515866234	3196.81567503734	3123.58411609799	2906.6427905205583	2904.47318152307	2903.346753709673	78.450456120118094	78.450456120118094
475	335	247835	-58101.14133	101.2837317025										

ix	iy	X.Rt	Y.Rt	Latitude	Longitude	UTM.Y	SurfElev.T	W.Lt	BRIElevKgrg.T	BRIElevBothrg.T	SatThLog.s	SatThBoth.r		
55	35	247717	-3981.141327	101.2837310250766	39.566570860742185	-00.13813571	344416.1624584594	4391212.78908108	2960.00757456361936	2789.7434368632741	2809.892433912264	2794.049311	0	
558	358	247718	-3321.141327	101.2837310250766	39.56657111110624	-00.18123235	344817.1441	4391208.75823993	2961.2307138615756	2787.736078572083	2804.5631276609044	2792.57355669836	0	
559	359	247719	-3961.141327	101.2837310250766	39.56657316213125	-00.108889	346204.1252646618	4391204.7352418189	2969.516676284161	2785.7686424934152	2790.686849059494	2790.2877914601484	0	
560	360	247720	-2001.141327	101.2837310250766	39.56657147606288	-00.8005473	340015.10683278576	4391207.3549713414	2973.8339126432207	2790.354911443524	2790.354911443524	2790.354911443524	0	
561	361	247721	-1341.141327	101.2837310250766	39.566571590655446	-00.8042046	345220.08799122035	4391166.667075788	2943.1617175396123	2781.9655766244534	2784.6199002975086	2782.3031508471429	0	
562	362	247722	-681.1413269	101.2837310250766	39.56657166599907	-00.801862	345421.069	4391192.637	2935.4851671565611	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
563	363	247723	-21.14132693	101.2837310250766	39.5665716860915	-00.7995194	345622.0489898217	4391188.604735813	2935.4851671565611	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
564	364	247724	638.85867303514	101.2837310250766	39.56657166289026	-00.7917768	345823.3030703969	4391184.5775966462	2932.459732109745	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
565	365	247725	1298.85867303514	101.2837310250766	39.56657166289026	-00.7917768	345823.3030703969	4391184.5775966462	2932.459732109745	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
566	366	247726	1958.85867303514	101.2837310250766	39.56657166289026	-00.7917768	345823.3030703969	4391184.5775966462	2932.459732109745	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
567	367	247727	2618.85867303514	101.2837310250766	39.56657166289026	-00.7917768	345823.3030703969	4391184.5775966462	2932.459732109745	2780.1188370110867	2773.4287341966647	2772.395587282023	6.690102814422062	7.722277282684445
568	368	247728	3278.85867303514	101.2837310250766	39.56657112560312	-00.7878064	346265.919260053	4391168.462309778	2928.981439537944	2780.2249513480987	2764.778110529897	2764.921836660424	5.44680419062491	5.303114687427296
569	369	247729	3938.85867303514	101.2837310250766	39.5665708138474	-00.7854638	346827.9318942637	4391164.43965744	2929.648565665651	2768.7584116030185	2769.430744120695	2768.99107023241	0	0
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571	371	247731	5258.8586730351	101.2837310250766	39.56657024743768	-00.7807786	347229.894	4391156.37598875	2925.825472	2766.0975451006616	2778.059554108561	2778.059554108561	0	0
572	372	247732	5918.8586730351	101.2837310250766	39.56656986420153	-00.778408	347430.8709177646	4391152.35029522	2916.22971197198709	2764.851754411158	2783.881610284097	2783.4932640825396	0	0
573	373	247733	6578.8586730351	101.2837310250766	39.56656945370827	-00.7760934	347631.8502906986	4391148.32258985	2908.6166839240767	2763.6708199448153	2789.6671386441076	2789.6671386441076	0	0
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576	376	247736	8558.8586730351	101.2837310250766	39.5665678685514	-00.7690656	348234.7875439178	4391130.2611941039	2880.684053453785	2760.4872343098674	2800.249577693614	2800.32743694628	0	0
577	377	247737	9218.8586730351	101.2837310250766	39.566567269163624	-00.766723	348438.7663517514	4391126.3152386052	2883.006632563953	2759.564117701297	2794.737012665807	2794.737012665807	0	0
578	378	247738	9878.8586730351	101.2837310250766	39.5665661435458	-00.764304	348636.745	4391128.18905031	2865.332595836328	2758.6116537474927	2798.769964497951	2798.8170217009481	0	0
579	379	247739	10538.8586730351	101.2837310250766	39.56656492434842	-00.7619748	348834.7234792969	4391124.183010473	2868.5648897003084	2757.8180523541918	2774.83821523283	2774.83821523283	0	0
580	380	247740	11198.8586730351	101.2837310250766	39.56656516905509	-00.7596952	349038.7018	4391120.137163861	2863.395108974073	2757.00404853177	2763.46157722236	2763.46157722236	0	0
581	381	247741	11858.8586730351	101.2837310250766	39.56656437850465	-00.7573526	349239.68004026986	4391116.11534991	2818.0011657496139	2756.243137543333	2752.2638058244083	2752.2638058244083	3.9800797826951	4.3009013266537295
582	382	247742	12518.8586730351	101.2837310250766	39.5665634269702	-00.75501	349440.5810259077	4391112.086	2800.603420811296	2755.517978	2742.373011888759	2741.945327172536	1.31476662612117	1.31476662612117
583	383	247743	13178.8586730351	101.2837310250766	39.56656261632286	-00.7526673	349641.63601974316	4391108.06984135	2790.854180739657	2754.8242364295848	2734.928485103867	2734.928485103867	19.89574925861902	20.42629748615991
584	384	247744	13838.8586730351	101.2837310250766	39.56656173531038	-00.7503247	349842.6131919323	4391104.03604743	2788.75115737173	2754.1577320107663	2731.1359235622435	2730.6479486744014	23.01804848522734	23.05978136364826
585	385	247745	14498.8586730351	101.2837310250766	39.56656076371358	-00.7478621	350043.9151936246	4391100.1332325	2786.5648897003084	2753.818648773356	2728.4914277662828	2724.02252505104287	24.545970733612195	24.545970733612195
586	386	247746	15158.8586730351	101.2837310250766	39.56655991695918	-00.7454569	350244.5699024316	4391096.68549631	2785.08754974844	2752.818075478553	2725.9805728	2725.9805728	25.9831329	25.9831329
587	387	247747	15818.8586730351	101.2837310250766	39.56655888	-00.7432969	350445.54620477666	4391091.963	2794.9021002509805	2752.68792326355	2730.033571	2730.033571	27.9599782042874	27.9599782042874
588	388	247748	16478.8586730351	101.2837310250766	39.5665577450926	-00.7409543	350646.5235305757	4391087.93854086	2791.715632756137	2751.681930433994	2736.521221	2736.521221	29.5681585866367	29.5681585866367
589	389	247749	17138.8586730351	101.2837310250766	39.5665564284333	-00.7386117	350847.5005855346	4391083.91749121	2804.5642904260825	2750.04966270854	2740.916929573569	2742.22722761617	31.17800405351627	31.17800405351627
590	390	247750	17798.8586730351	101.2837310250766	39.5665552697865	-00.7362691	351048.4779426674	4391079.91171022	2863.342678703233	2750.514021116526	2743.364022000807	2745.445749310184	33.199916445088	33.199916445088
591	391	247751	18458.8586730351	101.2837310250766	39.5665539836683	-00.7339265	351249.4542554748	4391075.8679175	2875.957807709586	2749.334662292496	2744.4594841540506	2747.674002158773	34.5717828194985	34.5717828194985
592	392	247752	19118.8586730351	101.2837310250766	39.5665527195468	-00.731639	351452.4039736375	4391071.84496365	2878.352510635248	2748.352510635248	2747.674002158773	2747.674002158773	35.781192463032	35.781192463032
593	393	247753	19778.8586730351	101.2837310250766	39.56655136	-00.7292413	351651.40732214814	4391067.821779765	2870.762023384525	2747.363291819203	2744.60667344003	2743.674002158773	36.9824152486927	36.9824152486927
594	394	247754	20438.8586730351	101.2837310250766	39.5665499248626	-00.7268987	351852.3837	4391063.791270536	2867.167162033696	2746.162843597683	2744.247085645747	2747.86715970837	39.51578311935605	39.51578311935605
595	395	247755	21098.8586730351	101.2837310250766	39.5665485879833	-00.7245561	352063.3596772045	4391059.776831273	2865.20565563699	2747.547238810441	2743.900845470855	2747.86715970837	40.9489243965739	40.9489243965739
596	396	247756	21758.8586730351	101.2837310250766	39.5665470939092	-00.7222135	352254.3359258885	4391055.754	2858.95220645452	2746.912811952489	2743.781804749644	2745.665435728486	41.9740775245265	41.9740775245265
597	397	247757	22418.8586730351	101.2837310250766	39.56654557472639	-00.7198709	352455.318322864	4391051.732	2852.6738573272055	2746.2561897254827	2742.3642715666794	2742.3642715666794	42.9826881588033185	42.9826881588033185
598	398	247758	23078.8586730351	101.2837310250766	39.56654401480476	-00.7175213	352656.2875960277	4391047.77101263	2846.39507709586	2744.534484849727	2743.791597957835	2743.791597957835	43.9716289698196	43.9716289698196
599	399	247759	23738.8586730351	101.2837310250766	39.5665425924044	-00.7151939	352863.1138853255	4391043.67942454	2843.926951812613	2743.8117786516	2742.3642715666794	2742.3642715666794	44.9832948117244	44.9832948117244
600	400	247760	24398.8586730351	101.2837310250766	39.566540719910214	-00.7128431	353056.2386991547	4391039.667965446	2846.713255964544	2744.125375245436	2741.849758112767	2741.849758112767	45.9913199991533	45.9913199991533
601	401	247761	25058.8586730351	101.2837310250766	39.5665390439729	-00.7105005	353259.2140391236	4391035.466782239	2865.6845164610203	2743.84869042877	2742.026350342873	2741.849758112767	46.9913199991533	46.9913199991533
602	402	247762	25718.8586730351	101.2837310250766	39.566537322547265	-00.7081579	353460.							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
683	335	247843	79178.85867307335	-01.28373170250766	36.56624600725412	-00.1584077	36978.73027479724	430706.68878969	2707.4430271190326	2622.123566447342784	2627.705793918285	2662.64137432784	44177.71361300025	44177.71361300025
684	335	247844	79838.85867307335	-01.28373170250766	36.5662405525189	-00.1516851	36939.63694590171	430702.68649017	2708.697579955232	2631.198645854524695	2627.465739978951	2622.465739978951	75309.0343280041	75309.0343280041
685	335	247845	80488.85867307335	-01.28373170250766	36.5662405525189	-00.1516851	36939.63694590171	430702.68649017	2708.697579955232	2631.198645854524695	2627.465739978951	2622.465739978951	75309.0343280041	75309.0343280041
686	335	247846	81188.85867307335	-01.28373170250766	36.5662405525189	-00.1516851	36939.63694590171	430702.68649017	2708.697579955232	2631.198645854524695	2627.465739978951	2622.465739978951	75309.0343280041	75309.0343280041
687	335	247847	81818.85867307335	-01.28373170250766	36.56622383	-00.5090374	37054.5867920695	4309060.681	2708.8857741173965	2628.42664387898	2611.358294063247	2611.358294063247	10665.0732465006	15.651137789356
688	335	247848	82478.85867307335	-01.28373170250766	36.562182462799	-00.5060948	37043.5506119284	430906.67982732	2702.983926073227	2627.42715399635	2608.4657379543664	2609.90962190933	17.06093745266033	17.56305320101834
689	335	247849	83188.85867307335	-01.28373170250766	36.56621262	-00.5043522	370944.51430854324	430906.67982732	2697.0802440409	2626.488901220606	2605.838481941303	2607.2749278907	20.65048077535416	19.2133971315416
690	335	247850	83798.85867307335	-01.28373170250766	36.56620689281266	-00.5020096	371145.477	430906.677482391	2691.19664540403	2626.462181551663	2603.3446351194933	2604.966055029905	22.11745635609295	20.49612652178049
691	335	247851	84488.85867307335	-01.28373170250766	36.566201123874554	-00.499667	371346.4413343484	430906.677482391	2697.302345811174	2630.279845898198	2617.918802358198	2617.918802358198	21.64458508330965	21.64458508330965
692	335	247852	85118.85867307335	-01.28373170250766	36.5661953091053	-00.4972435	371547.4040617893	430906.677482391	2685.40111152204	2623.240029437125	2599.2745319579663	2600.771650511253	23.96637707020763	22.45904282537368
693	335	247853	85778.85867307335	-01.28373170250766	36.56618458505007	-00.4949819	371748.367653839	430906.676027883	2683.31787957425	2622.0346653145693	2597.645319579663	2598.991423145693	24.384373463018	23.04324175789393
694	335	247854	86438.85867307335	-01.28373170250766	36.5661834601318	-00.4926393	371940.3048287616	430906.675994738	2681.6256475963845	2636.37226038026	2596.3917639028914	2597.531771775811	24.3714201001123	23.2314652799184
695	335	247855	87098.85867307335	-01.28373170250766	36.566177996179884	-00.4902967	372150.2939003697	430906.67815713	2679.429244508575	2619.429424508575	2595.5583695186688	2596.547193587471	24.37072289906224	22.952248991114005
696	335	247856	87758.85867307335	-01.28373170250766	36.5661761009191	-00.4879541	372351.256479295	430906.676061919	2674.81601951868	2618.03593130842	2595.4394251259	2595.4394251259	22.9993558162518	21.97698574036462
697	335	247857	88418.85867307335	-01.28373170250766	36.5661655074127	-00.4856116	372552.2196850523	430906.6871	2670.90171154828	2616.5864731695174	2596.106402170777	2596.54702089058	20.39407130444936	19.203477310444936
698	335	247858	89078.85867307335	-01.28373170250766	36.566159475141706	-00.483269	372753.1820075416	430906.681721127	2668.9960275778	2615.00062607251	2596.04638330593	2596.15140889696	17.044023736579	16.67651170555106
699	335	247859	89738.85867307335	-01.28373170250766	36.5661533428291	-00.4809264	372954.144531247	430906.682176375	2665.957860213967	2613.555188192953	2601.118820185938	2601.5553660467968	12.43639800715052	11.99982126156444
700	335	247860	90398.85867307335	-01.28373170250766	36.56614716816774	-00.4785838	373155.106884907	430906.683059374	2667.786674475623	2611.9904428758628	2603.2593135845116	2603.2593135845116	8.46174126163972	7.46174126163972
701	335	247861	91058.85867307335	-01.28373170250766	36.56614046796285	-00.4762413	373356.6901206263	430906.68207833	2668.615444299033	2610.4086175667385	2600.587671486355	2601.0619353466545	8.20294600383692	9.34668222003949
702	335	247862	91718.85867307335	-01.28373170250766	36.56613468017647	-00.4738987	373557.0312	430906.683168145	2671.448429491905	2608.823475890504	2595.120512668522	2595.55126611837	13.7263432264117	13.26834932816975
703	335	247863	92378.85867307335	-01.28373170250766	36.5661238628436	-00.4715651	373757.992322788	430906.68681753	2672.1939354473264	2607.250093537128	2598.0118500438007	2598.2930598188212	13.75078551830694	12.75078551830694
704	335	247864	93038.85867307335	-01.28373170250766	36.5661220114395	-00.4692135	373958.959045792	430906.689893325	2671.86477242665	2605.70432896444	2598.0986706506	2598.29378155534	12.50054583	12.20744784
705	335	247865	93698.85867307335	-01.28373170250766	36.5661192747027	-00.4668175	374159.828388792	430906.691823878	2671.47460759324	2604.90141296177	2597.84537628816	2597.84537628816	12.50054583	12.20744784
706	335	247866	94358.85867307335	-01.28373170250766	36.5661106109427	-00.4645284	374360.874675926	430906.693216175	2671.47460759324	2604.90141296177	2597.84537628816	2597.84537628816	12.50054583	12.20744784
707	335	247867	95018.85867307335	-01.28373170250766	36.5661026818503	-00.4621858	374561.838988224	430906.69169282	2668.411579110525	2601.40948144975	2597.84537628816	2597.84537628816	12.50054583	12.20744784
708	335	247868	95678.85867307335	-01.28373170250766	36.56609613001953	-00.4598432	374762.8014	430906.696	2668.1526433976	2601.01286659444	2593.9446292248924	2593.9446292248924	13.86657451913	13.86657451913
709	335	247869	96338.85867307335	-01.28373170250766	36.5660894559782	-00.4575007	374963.7625297446	430906.70202892	2662.89371087214	2598.9389286855872	2598.0752115631963	2597.663921480268	14.071177119221	14.071177119221
710	335	247870	96998.85867307335	-01.28373170250766	36.5660829719185	-00.4551178	375164.723806304	430906.70183375	2659.63477352624	2597.828995407373	2593.6641864071	2592.989131452225	14.1633719030378	14.1633719030378
711	335	247871	97658.85867307335	-01.28373170250766	36.5660769247027	-00.4528155	375365.684616066	430906.70183375	2659.63477352624	2597.828995407373	2593.6641864071	2592.989131452225	14.1633719030378	14.1633719030378
712	335	247872	98318.85867307335	-01.28373170250766	36.5660692479355	-00.4504729	375569.657579157	430906.70183375	2659.63477352624	2597.828995407373	2593.6641864071	2592.989131452225	14.1633719030378	14.1633719030378
713	335	247873	98978.85867307335	-01.28373170250766	36.5660627603487	-00.4481304	375767.6065576654	430906.71829433	2650.3483165454	2594.894374923526	2542.767054855557	2541.912586676622	13.2720006797023	13.2720006797023
714	335	247874	99638.85867307335	-01.28373170250766	36.566055064607	-00.4457878	375967.56652735438	430906.72726958	2647.28003254984	2594.073864785363	2539.714796287488	2539.714796287488	13.2720006797023	13.2720006797023
715	335	247875	100298.85867307335	-01.28373170250766	36.56604909587216	-00.4434452	376169.5277971002	430906.734272222	2639.3474927606	2593.144823506516	2534.222777732474	2533.121492468255	13.2720006797023	13.2720006797023
716	335	247876	100958.85867307335	-01.28373170250766	36.56604214568736	-00.4411026	376370.48830487919	430906.734272222	2639.3474927606	2593.144823506516	2534.222777732474	2533.121492468255	13.2720006797023	13.2720006797023
717	335	247877	101618.85867307335	-01.28373170250766	36.56603524999765	-00.4387601	376571.44866715383	430906.737569535	2639.3474927606	2593.144823506516	2534.222777732474	2533.121492468255	13.2720006797023	13.2720006797023
718	335	247878	102278.85867307335	-01.28373170250766	36.566028259747027	-00.4364175	376767.167956263	430906.737569535	2639.3474927606	2593.144823506516	2534.222777732474	2533.121492468255	13.2720006797023	13.2720006797023
719	335	247879	102938.85867307335	-01.28373170250766	36.5660212328985	-00.4340749	376973.3696775543	430906.749	2592.952527536129	2598.723033665433	2542.705181660033	2542.705181660033	13.2720006797023	13.2720006797023
720	335	247880	103598.85867307335	-01.28373170250766	36.566015414204738	-00.4317324	377174.32842562	430906.754	2598.83047013046	2588.83224436697	2523.466320281541	2522.62836724163	13.2720006797023	13.2720006797023
721	335	247881	104258.85867307335	-01.28373170250766	36.5660071555178	-00.4293898	377375.2880051046	430906.7546572	2586.7744558051218	2586.7744558051218	2523.466320281541	2522.62836724163	13.2720006797023	13.2720006797023
722	335	247882	104918.85867307335	-01.28373170250766	36.5659994380015	-00.4270472	377576.248514934	430906.76754038	2583.6654190893374	2583.6654190893374	2517.95185041514	2517.95185041514	13.2720006797023	13.2720006797023
723	335	247883	105578.85867307335	-01.28373170250766	36.565992679247	-00.4247047	377777.2806716046	430906.77326971	2583.6654190893374	2583.6654190893374	2517.95185041514	2517.95185041514	13.2720006797023	13.2720006797023
724	335	247884	106238.85867307335	-01.28373170250766	36.56598534528746	-00.4223621	377978.167956263	430906.78	2583.6654190893374	2583.6654190893374	2517.95185041514	2517.95185041514	13.2720006797023	13.2720006797023
725	335	247885	106898.85867307335	-01.28373170250766	36.5659780478984	-00.4200175	378179.167956263	430906.78	2583.6654190893374	2583.6654190893374	2517.95185041514	2517.95185041514	13.2720006797023	13.2720006797023
726	335	247886	107558.85867307335	-01.28373170250766	36.565970742322	-00.417677	378380.083641448	430906.78	2583.6654190893					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SurfKhtKrg.ft	SurfBothKrg.ft
70	336	24790	-320601.1413	1013497.310250766	36.5286185938795	-101.9567364	246319.36551133785	4393408.423466183	3521.118842	3456.5537671470865	3411.556428289894	3411.587863	44.939073717661	
70	336	24790	-325401.1401	1013497.310250766	36.5286185938795	-101.9543941	246320.44471558327	4393404.29561158	3516.6985	3455.676891729562	3404.7720297501616	3404.2655077895015	45.4046687588005	
71	336	24791	-324781.1413	1013497.310250766	36.5292648331018	-101.950818	246721.5236514152	4393400.146815642	3518.77031820367	3454.8037319237465	3409.475892691033	3409.475892691033	45.1561435862691	
72	336	24792	-324081.1401	1013497.310250766	36.5292672768622	-101.9497095	246802.8632621552	4393396.00444735	3527.335058	3453.900810303737	3409.9307308406216	3401.18362388225	44.9117091	
73	336	24793	-323241.1401	1013497.310250766	36.52926906262349	-101.9437362	247123.680801710183	4393391.862233093	3535.8982635605837	3450.0546462749594	3407.375813159587	3409.8205713398818	44.67706495900745	
74	336	24794	-322761.1401	1013497.310250766	36.52927308032394	-101.9450249	247324.75917769175	4393392.72025093	3544.46339952357	3452.171487439067	3407.65813208493	3409.27543509463	44.2293161889422	
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93	336	24793	-310221.1401	1013497.310250766	36.5333854	-101.9005206	251145.1976925713	4393309.06654077	3638.907139131868	3435.304164	3338.043727111645	3337.290574544895	97.2607916208353	
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96	336	24796	-308241.1401	1013497.310250766	36.53344901370633	-101.8934396	251748.1468352537	4393296.05193921	3617.80592741552	3432.8512252334515	3312.896078833296	3312.896078833296	120.0316085805365	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	SatHtKgr.f	SatHtBoth.f
196	38	248095	-242901.1413	101.349737310250766	36.55531986042115	-101.6618953	271653.4827555457	3498.2888244796678	3490.688506477907	333.535857211737	3224.068684672604	3221.601597270312	119.46897253913312	121.93425994138579
196	38	248096	-242224.1413	101.349737310250766	36.55533623581413	-101.6595226	271854.48751570226	3498.2888131	3489.6272518108453	334.555933701422	3222.039619	3221.602155847996	119.46321520060115	120.95377722342402
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198	38	248098	-240921.1413	101.349737310250766	36.5553694414468	-101.6545679	272256.5853211527	3498.2888131	3485.50472790643	334.555933701422	3220.757913036984	3221.266626357633	119.4632073338482	119.13271944144123
199	38	248099	-240261.1413	101.349737310250766	36.55538596154758	-101.6522254	272457.6338887947	3498.2888131	3480.54472790643	333.593432344073	3221.4515291164407	3221.335585700865	118.194932079666	118.25784657432087
200	38	248100	-239601.1413	101.349737310250766	36.5554024369795	-101.6498829	272658.6823213972	3498.2888131	3477.6140808279623	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
201	38	248101	-238941.1413	101.349737310250766	36.5554181059575	-101.6475405	272859.7303501259	3498.2888131	3474.80727968203	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
202	38	248102	-238241.1413	101.349737310250766	36.55543517224908	-101.645158	273060.7783	3498.2888131	3471.9470181115537	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
203	38	248103	-237521.1413	101.349737310250766	36.55545168941674	-101.6428555	273261.787015847	3498.2888131	3469.03825059294	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
204	38	248104	-236801.1413	101.349737310250766	36.55546775978158	-101.640513	273462.8734650945	3498.2888131	3466.1258756295	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
205	38	248105	-236081.1413	101.349737310250766	36.5554838666679	-101.6381706	273663.9206090434	3498.2888131	3463.2168176783	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
206	38	248106	-235361.1413	101.349737310250766	36.55550016630305	-101.6358281	273864.967928735	3498.2888131	3460.3025892744	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
207	38	248107	-234641.1413	101.349737310250766	36.555516301685076	-101.6334856	274066.0147270834	3498.2888131	3457.3913721296593	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
208	38	248108	-233921.1413	101.349737310250766	36.55553238191407	-101.6311431	274267.061301167	3498.2888131	3454.480280849	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
209	38	248109	-233201.1413	101.349737310250766	36.5555484669024	-101.6288006	274468.1073653041	3498.2888131	3451.56926162572	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
210	38	248110	-232481.1413	101.349737310250766	36.555564543631357	-101.6264552	274669.15347847634	3498.2888131	3448.65817614473	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
211	38	248111	-231761.1413	101.349737310250766	36.55558063968402	-101.6241157	274870.196368398	3498.2888131	3445.74719233074	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
212	38	248112	-231041.1413	101.349737310250766	36.55559629901566	-101.6217372	275071.2540396003	3498.2888131	3442.836182947605	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
213	38	248113	-230321.1413	101.349737310250766	36.55561213666619	-101.6194307	275272.2904879643	3498.2888131	3440.00042188826	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
214	38	248114	-229601.1413	101.349737310250766	36.55562836227784	-101.6170882	275473.2357131394	3498.2888131	3437.16239591187	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
215	38	248115	-228881.1413	101.349737310250766	36.55564437556361	-101.6147457	275674.380723134	3498.2888131	3434.24734372522	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
216	38	248116	-228161.1413	101.349737310250766	36.55566048374213	-101.6124033	275875.425057439	3498.2888131	3431.33267488079	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
217	38	248117	-227441.1413	101.349737310250766	36.55567659139427	-101.6099585	276076.469815847	3498.2888131	3428.42007488079	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
218	38	248118	-226721.1413	101.349737310250766	36.55569269149215	-101.6077183	276277.5141400175	3498.2888131	3425.50736849492	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
219	38	248119	-226001.1413	101.349737310250766	36.55570873654055	-101.6055758	276478.558057385	3498.2888131	3422.5946130414	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
220	38	248120	-225281.1413	101.349737310250766	36.5557249633748	-101.603333	276679.6024474333	3498.2888131	3419.6845081317	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
221	38	248121	-224561.1413	101.349737310250766	36.55574113453785	-101.601098	276880.661293616	3498.2888131	3416.76944373519	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
222	38	248122	-223841.1413	101.349737310250766	36.55575720200684	-101.5988348	277081.689943939	3498.2888131	3413.8593272512084	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
223	38	248123	-223121.1413	101.349737310250766	36.555773294536354	-101.5965933	277282.7390293531	3498.2888131	3410.94827344015	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
224	38	248124	-222401.1413	101.349737310250766	36.55578937947474	-101.5943563	277483.7776777885	3498.2888131	3408.03719212495	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
225	38	248125	-221681.1413	101.349737310250766	36.55579900301634	-101.5921308	277684.8186743935	3498.2888131	3405.126118187255	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
226	38	248126	-220961.1413	101.349737310250766	36.55581213666619	-101.5898783	277885.8612634714	3498.2888131	3402.21330126667	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
227	38	248127	-220241.1413	101.349737310250766	36.55582836227784	-101.5876358	278086.903369403	3498.2888131	3400.3025892744	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
228	38	248128	-219521.1413	101.349737310250766	36.55584437556361	-101.5854293	278287.9547861064	3498.2888131	3397.3913721296593	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
229	38	248129	-218801.1413	101.349737310250766	36.55586048374213	-101.5831958	278488.9877201754	3498.2888131	3394.480280849	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
230	38	248130	-218081.1413	101.349737310250766	36.55587659139427	-101.5809585	278689.9294363531	3498.2888131	3391.56926162572	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
231	38	248131	-217361.1413	101.349737310250766	36.55589269149215	-101.5787183	278890.9704874474	3498.2888131	3388.65817614473	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
232	38	248132	-216641.1413	101.349737310250766	36.55590873654055	-101.5764923	279092.112158626	3498.2888131	3385.74719233074	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
233	38	248133	-215921.1413	101.349737310250766	36.5559249633748	-101.5742808	279293.1532796064	3498.2888131	3382.836182947605	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
234	38	248134	-215201.1413	101.349737310250766	36.55594113453785	-101.5720383	279494.194126234	3498.2888131	3379.926118187255	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
235	38	248135	-214481.1413	101.349737310250766	36.55595720200684	-101.5697883	279695.2347861064	3498.2888131	3377.00736849492	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
236	38	248136	-213761.1413	101.349737310250766	36.555973294536354	-101.5675453	279896.2890293531	3498.2888131	3374.094827344015	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
237	38	248137	-213041.1413	101.349737310250766	36.55598937947474	-101.5653033	279896.2890293531	3498.2888131	3371.1818725512084	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
238	38	248138	-212321.1413	101.349737310250766	36.55599900301634	-101.5630583	279896.2890293531	3498.2888131	3368.2704827344015	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
239	38	248139	-211601.1413	101.349737310250766	36.55601523666619	-101.5608128	279896.2890293531	3498.2888131	3365.359326162572	333.591527	3220.7847654672705	3220.7847654672705	117.792804932955	117.792804932955
240	3													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
319	336	248221	-159741.1413	1013497.310250766	36.6570909617032	-101.3664371	396983.9405	439237.1712925303	3357.253229709687	3166.134822286837	3071.7431250328495	3071.3651291501837	34.9136972538733	94.76969313665313
320	336	248222	-159801.1413	1013497.310250766	36.65707002730009	-101.3640495	297184.963475447	439236.6280476935	3352.296657013567	3164.416977634411	3071.5175605267217	3071.5175605267217	92.89041671	93.0619274466445
321	336	248223	-159821.1413	1013497.310250766	36.65706989131704	-101.3631719	297385.9651726494	439235.9433989275	3348.7676517	3152.8164587477023	3070.4386181058574	3070.5363131364707	92.9030832545584	92.9030832545584
322	336	248224	-159761.1413	1013497.310250766	36.65709175372293	-101.3594049	297587.0075332392	439235.9496226834	3343.65621017387	3160.962232502768	3068.4779062127	3068.81479416198	92.9028473	92.16805578657022
323	336	248225	-15701.1413	1013497.310250766	36.65710254915457	-101.3570667	297788.02948992245	439235.3575	3338.5448884712333	3159.268704593842	3065.851652139464	3066.437677995735	94.3170524543778	92.8430936
324	336	248226	-156441.1413	1013497.310250766	36.657113299261084	-101.3547242	279890.5112485006	439235.3120083108	3337.4335757173303	3157.56001487966217	3062.86509305651	3063.7945109665277	94.694326	93.765403313382
325	336	248227	-155781.1413	1013497.310250766	36.65712400411172	-101.3523816	298190.072809195	439234.720708885	3329.0897811508003	3155.8583881953	3056.7297028426347	3061.1310579058183	96.12869103935054	94.72733597615388
326	336	248228	-155121.1413	1013497.310250766	36.65713466317047	-101.350039	298391.0941712792	439234.123599414	3325.81344473033	3154.1659606618433	3056.66833080351	3058.6027954897436	97.492758259253	95.562362
327	336	248229	-154621.1413	1013497.310250766	36.65714522945306	-101.3476664	298692.115337169	439233.884	3325.8164587477023	3152.8164587477023	3054.73712559517	3054.73712559517	96.71925919644	96.318874988284
328	336	248230	-153901.1413	1013497.310250766	36.65715584712823	-101.3453538	298793.1363596106	439233.978704414	3318.369312	3150.807425571486	3050.975954002757	3054.087234831214	96.83147516	96.7201974
329	336	248231	-153141.1413	1013497.310250766	36.65716637	-101.3430112	298984.157177006	439233.947644414	3315.767765971457	3148.3346695379	3048.413214738727	3051.971318865196	97.225651214776	96.225651214776
330	336	248232	-152481.1413	1013497.310250766	36.6571768495317	-101.3406687	299195.1777513722	439232.761979377	3314.15805052558	3147.4896405872414	3045.795079578921	3050.45478197379235	97.0349140800795	97.0349140800795
331	336	248233	-151821.1413	1013497.310250766	36.65718728246344	-101.3382621	299396.1891290248	439232.7995323	3312.548315140598	3145.848417124603	3044.03704380481	3049.281775794473	96.6296413282861	96.6296413282861
332	336	248234	-151161.1413	1013497.310250766	36.6571976709031	-101.3359835	299597.21810210226	439232.8167396035	3310.93358	3144.2210326827423	3041.7411298940574	3048.15279645274	96.068546	96.068546
333	336	248235	-150501.1413	1013497.310250766	36.657208013708264	-101.3336409	299798.232951847	439231.544595166	3306.7919712386704	3142.809815205674	3039.43884833982	3048.131291752922	94.9732345275199	94.9732345275199
334	336	248236	-149841.1413	1013497.310250766	36.657218311255136	-101.3312983	299999.258041017	439231.463381281	3300.126313125458	3141.011297167805	3037.1059824023423	3047.608643239436	93.90812738546291	93.90812738546291
335	336	248237	-149181.1413	1013497.310250766	36.65722856345885	-101.3289557	300020.27767118653	439230.38229233	3293.4547138641265	3139.4326376809164	3034.523476809164	3040.485160003586	94.90857664100349	94.9134744808096
336	336	248238	-148521.1413	1013497.310250766	36.6572387508071	-101.3266131	300421.2970476439	439230.301182357	3286.31940462794	3137.869324085165	3032.2062522742654	3047.67981083929	95.10189448125733	95.10189448125733
337	336	248239	-147861.1413	1013497.310250766	36.65724832359316	-101.3242705	300602.3167266818	439229.220410643	3280.5562391911023	3136.342718475495	3030.092853898615	3048.809327426496	95.2188789151345	95.2188789151345
338	336	248240	-147201.1413	1013497.310250766	36.6572590488181	-101.3219279	300803.3352305434	439229.12340508	3279.3029629051	3134.79716388735	3028.709154032018	3028.009413	96.08876235671687	96.08876235671687
339	336	248241	-146541.1413	1013497.310250766	36.6572691204817	-101.3198584	301004.3540953167	439229.05827685	3269.023506	3133.281326713364	3028.5905839144298	3049.9004964471777	94.697548769906	94.697548769906
340	336	248242	-145881.1413	1013497.310250766	36.657279114015834	-101.317428	301210.205372	439229.595	3263.25502504949	3131.794338437938	3028.866675971165	3041.67789600481	94.91274624653817	94.91274624653817
341	336	248243	-145221.1413	1013497.310250766	36.657289126912781	-101.3149444	301406.2911347429	439229.87854053	3261.89147678038	3129.84047470198	3028.2907159293	3040.50736402843	94.8698973733894	94.8698973733894
342	336	248244	-144561.1413	1013497.310250766	36.6572990241617	-101.3125576	301607.4039627668	439229.781375285	3257.065817289251	3127.858286458676	3023.03556749037	3036.72778848748	92.628696930783	92.628696930783
343	336	248245	-143901.1413	1013497.310250766	36.6573088265107	-101.310215	301808.4273936603	439227.731291396	3251.5302149946857	3124.81643527229	3031.596790205466	3032.2124321	95.81964632176233	95.81964632176233
344	336	248246	-143241.1413	1013497.310250766	36.6573187973697	-101.3078724	302009.452346706	439226.659752615	3246.996127096873	3125.922843586667	3032.424468	3032.207149610511	93.56841593571653	93.56841593571653
345	336	248247	-142581.1413	1013497.310250766	36.65732896396205	-101.3055298	302210.462882557	439226.58004937	3240.987272901883	3124.588898806636	3033.003664795403	3032.838452916255	91.7500535150113	91.7500535150113
346	336	248248	-141921.1413	1013497.310250766	36.65733835183881	-101.3031872	302441.489335053	439226.51068354	3237.62959320832	3123.2014746620102	3033.195217383376	3032.8756703039378	90.22290758087247	90.22290758087247
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348	336	248250	-140561.1413	1013497.310250766	36.6573587219714024	-101.298502	302813.1666025435	439226.3454342	3233.14932660248	3120.47035996248	3030.9447660248	3042.2052015449912	78.12213380814793	78.12213380814793
349	336	248251	-139941.1413	1013497.310250766	36.657367347119216	-101.2961594	303015.51333331624	439224.268305078	3231.453937841254	3119.1229560339393	3031.1796675507653	3035.4782702376	76.673428848	76.673428848
350	336	248252	-139281.1413	1013497.310250766	36.65737691716665	-101.2938168	303215.5482136336	439224.26301791	3218.9517611628432	3117.786318236335	3059.291470182034	3061.01318930083	58.7849093056607	58.7849093056607
351	336	248253	-138621.1413	1013497.310250766	36.6573864535773	-101.2914742	303416.56470141985	439224.111	3170.73308444814	3116.459083838473	3063.7173777956	3065.417337260918	52.74260258808264	52.74260258808264
352	336	248254	-137961.1413	1013497.310250766	36.65739593	-101.2891316	303617.580996874	439223.02385344	3160.3725678054457	3115.15408960487	3062.5788703323915	3057.534603404654	51.7621710303415	51.7621710303415
353	336	248255	-137301.1413	1013497.310250766	36.65740536597007	-101.286789	303818.5971002677	439222.955670184	3150.48111050521	3113.818963463248	3057.95668684786	3057.95668684786	50.63270269425066	50.63270269425066
354	336	248256	-136641.1413	1013497.310250766	36.65741475382404	-101.284444	304019.61301162024	439222.87584503	3141.058446562587	3112.459071783628	3056.2907159293	3061.7917716868016	47.7552368645476	47.7552368645476
355	336	248257	-135981.1413	1013497.310250766	36.65742404555788	-101.2821038	304220.6287313224	439222.801728944	3130.874163823173	3111.668183253557	3060.832822743535	3063.952052787232	46.28863603100217	46.28863603100217
356	336	248258	-135321.1413	1013497.310250766	36.657433047466776	-101.2797612	304421.64425952017	439222.75098844	3122.310670706	3109.832150328203	3041.89314749693	3062.8707871444017	43.939658	43.939658
357	336	248259	-134661.1413	1013497.310250766	36.65744266411967	-101.2774186	304622.6599641885	439221.648699752	3117.5550134748833	3108.4906587222795	3037.398025	3029.87682488078	71.0926337454692	71.0926337454692
358	336	248260	-134001.1413	1013497.310250766	36.65745187551513	-101.275076	304823.67447224004	439221.52529652	3117.661494616708	3111.41406836329	3033.51727696732	3032.4183667901	65.8466214787843	65.8466214787843
359	336	248261	-133341.1413	1013497.310250766	36.65746101645453	-101.2727334	305024.6899714263	439220.845885173	3117.76719496753	3105.783196167696	3028.7176989190316	3031.6446905	70.0609579773794	70.0609579773794
360	336	248262	-132681.1413	1013497.310250766	36.65747016253741	-101.2703908	30525.705	439220.40876415	3117.874457875244	3104.47107273852	3030.580488134894	3031.761263893129	63.6460119296139	63.6460119296139
361	336	248263	-132021.1413	1013497.310250766	36.6574793816372	-101.268168	305479.7193814164	439220.328791763	3118.016147673028	3112.459071783628	3056.2907159293	3061.7917716868016	47.7552368645476	47.7552368645476
362	336	248264	-131361.1413	1013497.310250766	36.657488245853345	-101.2657056	305627.734186332	439220.1967139069	3114.81095506058	3101.662484277993	3032.1691164322488	3037.30719288873	70.612630555053	70.612630555053
363	336	248265	-130701.1413	1013497.310250766	36.65749735646575	-101.263363	305828.7476120661</							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatHtLogKgr.f	SatHtBoth.f
437	436	248347	-76581.14133	101.34973710250766	36.56800802326218	-101.0712676	322131.28452298825	4391858.821399489	3184.284602303894	2907.7672057034547	2908.9298196722516	2891.19273385066	84.83738603	116.5744727184964
448	436	248348	-75921.14133	101.34973710250766	36.568056520252997	-101.068425	322152.36594813	4391854.76349692	3182.39057567623	2906.963726	2908.959624050259	2895.770224193478	91.46567213840457	110.6055737316218
449	436	248349	-75361.14133	101.34973710250766	36.56803042531769	-101.066982	322173.262321494	4391857.36928897	3181.68307393724	2906.951404873173	2910.983770341637	2899.8920148195937	93.9707235186027	104.9583968379935
450	436	248350	-74601.14133	101.34973710250766	36.568059557	-101.0642397	322194.281414001	4391856.6333294	3182.72496628007	2903.48226847343	2911.900424236964	2898.92255915048	91.5871836637339	99.665767229456
451	436	248351	-73941.14133	101.34973710250766	36.56810067	-101.061897	323115.28	4391842.59867334	3178.278553	2902.0022727946328	2912.6466501720297	2907.515396806414	89.3555774729813	94.48683213991399
452	436	248352	-73281.14133	101.34973710250766	36.56810571450354	-101.059554	323316.27847994317	4391838.53429917	3178.394695219506	3000.47915346299	2912.90370066579	2909.81343725017	90.665737071587	90.665737071587
453	436	248353	-72621.14133	101.34973710250766	36.5681071697853	-101.0572118	323517.27675471315	4391834.48820731	3175.21038942021	2998.94284983045	2912.3277279260956	2909.8134371630897	89.3555774729813	94.48683213991399
454	436	248354	-71961.14133	101.34973710250766	36.568115671419566	-101.054891	323718.2748577576	4391830.433879165	3169.628196262914	2917.3404855863914	2910.9715338911374	2909.8667795950678	86.36931169525405	87.47413599131505
455	436	248355	-71301.14133	101.34973710250766	36.568120586155015	-101.0529265	323919.27278928115	4391826.73087395	3168.2575313	2904.86116527131	2909.983770341637	2899.8920148195937	86.36931169525405	87.47413599131505
456	436	248356	-70641.14133	101.34973710250766	36.56812545265657	-101.050138	324120.270549491	4391822.35162472	3164.45250861054	2904.0720586114	2907.374218307416	2906.28516698281	86.71987555695894	87.7905871783326
457	436	248357	-69981.14133	101.34973710250766	36.56813027403005	-101.047812	324321.268138919	4391819.271166128	3162.91782728238	2902.391849382951	2905.46381267615	2904.47074904387	86.927481153302	87.98437844
458	436	248358	-69321.14133	101.34973710250766	36.56813500466166	-101.045485	324522.26556579063	4391814.21379969	3159.479885074113	2903.6737471814376	2902.630810217136	2906.4010222369	88.024369043159	88.024369043159
459	436	248359	-68661.14133	101.34973710250766	36.56813978141658	-101.0431559	324723.262904206	4391810.16358992	3157.377855490429	2908.923565048019	2902.112277025305	2900.759171597171	88.16128021222369	88.16128021222369
460	436	248360	-68001.14133	101.34973710250766	36.56814446708673	-101.0408132	324924.25998122094	4391806.11054417	3155.660747681622	2907.143327568316	2900.871960257723	2899.763479565611	86.2713671059318	87.9753926
461	436	248361	-67341.14133	101.34973710250766	36.56814970149905	-101.0384706	325125.2668794884	4391802.057	3153.943786475022	2905.347320303179	2899.334609399311	2897.652604121525	86.000425899607	87.6820288165401
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465	436	248365	-64701.14133	101.34973710250766	36.568167216695224	-101.0291	325929.2428161384	4391785.84740762	3138.505417366193	2977.850353	2893.716980858814	2892.2079042758	84.13337165595567	84.13337165595567
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477	436	248377	-56781.14133	101.34973710250766	36.568217199020015	-101.0009882	328341.184405011	4391737.29145805	3075.938278120446	2954.033487505052	2881.590338600294	2881.590338600294	73.4148188175971	73.4148188175971
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevLogs.fg	BRrElevBoth.fg	SatThLogs.f	SatThBoth.f
573	248473	6578.85867303351	1013497.310250766	36.658382440365735	-100.7760928	347635.8826077683	43193.4953872389	2906.468571534771	2762.7494655754135	2786.462504	2786.136310715271	0	0	
574	248474	6578.85867303351	1013497.310250766	36.6583819668808	-100.7730501	347636.48615988377	43193.52651641	2907.079373088827	2761.601723048552	2790.1183415184196	2789.816141303529	0	0	
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613	248513	32978.85867303351	1013497.310250766	36.6583281883704	-100.6823863	355674.7896769946	43193.18836757272	2879.53466589737	2728.94374963375	2729.427495326247	2729.427495326247	9.16911234172266	9.16911234172266	
614	248514	33638.85867303351	1013497.310250766	36.65832594203235	-100.680043	355875.9031506923	43193.1841647742	2883.183631417923	2727.638903560768	2728.129595170924	2728.129595170924	9.5158425463934	9.5158425463934	
615	248515	34298.85867303351	1013497.310250766	36.658323691414	-100.677758	356076.7829619584	43193.17937198497	2884.71937198497	2727.638903560768	2728.129595170924	2728.129595170924	9.5158425463934	9.5158425463934	
616	248516	34958.85867303351	1013497.310250766	36.65832120033908	-100.675434	356277.8492937584	43193.1756207368	2887.70511151945	2724.9043930028	2726.736770917565	2726.736770917565	11.12122708	8.60267814858461	
617	248517	35618.85867303351	1013497.310250766	36.6583187046256	-100.6730157	356478.821636703	43193.17256021523	2889.5010708970624	2724.9772964871	2724.60745225815	2724.60745225815	8.8733941242336	8.41330925329503	
618	248518	36278.85867303351	1013497.310250766	36.65										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHLogsKrg.ft	SatHBothKrg.ft
69	326	248599	89738.8586730335	101.34973170250766	36.65796633819963	-100.4809189	72958.146685786	4390384.893237031	2668.5028947173582	14.201734824051	2593.190688021795	2593.183826398246	21.01066021871557	21.01790842805217
700	326	248600	90388.8586730335	101.34973170250766	36.65796011625209	-100.4789578	73159.1086002249	4390389.939467181	2670.623191740995	16.21476193732964	2594.6247597799729	2594.7769631512483	18.049405332667437	17.899105017148052
701	326	248601	91038.8586730335	101.34973170250766	36.65786390428387	-100.4762332	73360.0707937805	4390385.89593445	2672.75542712321	18.13366365404572	2593.8122318151428	2593.828540404875	17.3238454049246	17.3238454049246
702	326	248602	91718.8586730335	101.34973170250766	36.65764773603445	-100.4738096	73569.032666878	4390381.8975114273	2674.8815667102517	20.093560180211738	2590.7521446800636	2590.869891623126	18.84415337411092	18.84415337411092
703	326	248603	92378.8586730335	101.34973170250766	36.6579413156538	-100.4715479	73761.9944191252	4390387.899302577	2675.632766900714	20.068.074212308356	2586.4466157935917	2586.679055888288	21.62380534234846	21.39946534190767
704	326	248604	93038.8586730335	101.34973170250766	36.6579350425188	-100.4692053	73962.9505042518	4390383.901495917	2678.51392125202	20.076.071392125202	2581.7984997280246	2581.7985456043924	22.77282397177202	22.77282397177202
705	326	248605	93698.8586730335	101.34973170250766	36.6579286	-100.4668627	74163.9175634227	4390389.1936730335	2673.80411966730335	20.065.13076622197	2577.304243785014	2577.16414158506	20.8883243475834	20.8883243475834
706	326	248606	94358.8586730335	101.34973170250766	36.6579231537051	-100.46452	74364.87895573326	4390385.903681693	2672.996290505936	20.073.5898930326	2572.71593494133	2572.549109430659	19.956165040167327	19.956165040167327
707	326	248607	95018.8586730335	101.34973170250766	36.657891966079367	-100.462174	74565.84022869	4390381.909135392	2674.931868954228	20.023.3435658018254	2568.220647265023	2568.24505	34.1473203361912	34.1473203361912
708	326	248608	95678.8586730335	101.34973170250766	36.65790912	-100.4598348	74766.8013816081	4390387.912171448	2676.64029743816	20.01.089378	2564.377983197148	2563.5762229179108	37.5127452932947	37.5127452932947
709	326	248609	96338.8586730335	101.34973170250766	36.6579205386675	-100.4574921	74967.762156018	4390380.91540368	2664.384645667288	20.059.88445667288	2558.484576854564	2558.07513202461	41.39969971	41.39969971
710	326	248610	96998.8586730335	101.34973170250766	36.657889911869	-100.4551495	75168.723303575	4390379.945801829	2661.057510522584	20.074.7082740391	2554.003695691	2553.27907238216	45.46771317121605	45.46771317121605
711	326	248611	97658.8586730335	101.34973170250766	36.65788923591226	-100.4528069	75369.688126355	4390375.922551049	2656.746211321594	20.059.7671180601056	2550.302717202196	2549.5444037687804	47.3684634	47.3684634
712	326	248612	98318.8586730335	101.34973170250766	36.65788251654844	-100.4504462	75570.6480428695	4390379.92642831	2651.141499514742	20.056.683941464265	2545.874287579438	2545.8741361426605	51.57410683877424	51.57410683877424
713	326	248613	98978.8586730335	101.34973170250766	36.6578751927229	-100.4481216	75717.6053634363	4390379.93000565	2648.083179979794	20.056.61587605913	2544.644009398065	2544.6258778119038	51.0258776962638	51.0258776962638
714	326	248614	99638.8586730335	101.34973170250766	36.6578694248076	-100.445779	75972.5658043874	4390378.934064237	2640.752627732818	20.054.72961277475	2541.18911233362	2540.3196789682894	53.5404330281299	54.40990758118566
715	326	248615	100298.8586730335	101.34973170250766	36.6578626896912985	-100.4434363	76173.5261273489	4390379.93963784	2632.627259	20.053.71939548785	2534.196385879074	2533.180562543036	59.61438537571146	60.301691771
716	326	248616	100988.8586730335	101.34973170250766	36.65785519	-100.4410937	76374.8642341188	4390375.945363781	2624.694306458944	20.053.1417331378825	2528.3090544913496	2528.3090544913496	62.921323406127	62.921323406127
717	326	248617	101618.8586730335	101.34973170250766	36.65784028406593	-100.4387511	76575.4546260135	4390377.949480818	2615.765977628249	20.052.02389237334	2527.0937340817695	2526.22068161744	64.9086551961434	65.7793211149175
718	326	248618	102388.8586730335	101.34973170250766	36.6578412495818	-100.4364084	76767.40649023425	4390376.945619159	2606.834945465426	20.051.084924465426	2524.768509041648	2523.92544115599	66.3298342	67.103513086142
719	326	248619	102938.8586730335	101.34973170250766	36.65783241793196	-100.4340568	76977.3663432863	4390376.9601693945	2600.85898118247	20.050.1860998630	2522.754264409997	2521.862292692704	68.403424903232	68.403424903232
720	326	248620	103598.8586730335	101.34973170250766	36.6578215237089	-100.4317322	77177.738261	4390376.96588516	2597.82931150666	20.049.256272811504	2520.45167639533	2519.6558393732224	69.8758373835147	69.8758373835147
721	326	248621	104298.8586730335	101.34973170250766	36.657772324	-100.429025	77391.7501289056	4390374.006896127	2594.78689919435	20.048.93017220247	2517.00032951904	2516.93017220247	71.756893954562	71.756893954562
722	326	248622	104918.8586730335	101.34973170250766	36.6578128335478	-100.4270379	77580.2450149257	4390375.978004373	2591.77035448454	20.047.333591254433	2514.000716696973	2513.3272327010338	73.24335244	74.0063841
723	326	248623	105578.8586730335	101.34973170250766	36.65780561656059	-100.4249853	77781.2045879207	4390374.884	2590.030751236173	20.046.327956645603	2510.120071107746	2509.406897133328	75.92312853132216	75.92312853132216
724	326	248624	106238.8586730335	101.34973170250766	36.65779835410941	-100.4225527	77982.163852273	4390374.9931	2589.580535712513	20.045.299754895402	2505.8711714812976	2504.92829238043	80.0186261235922	80.0186261235922
725	326	248625	106898.8586730335	101.34973170250766	36.65779104601044	-100.4200011	78183.1201259115	4390379.99782068	2588.1303755149125	20.044.25024577	2501.9968889060624	2501.7802001146156	82.305612385807	82.305612385807
726	326	248626	10758.8586730335	101.34973170250766	36.65778693454778	-100.4176674	78384.08205122815	4390376.00445033	2588.18817653024	20.043.128412818476	2499.9675848778284	2499.9169994087187	83.16082794319123	83.16082794319123
727	326	248627	10828.8586730335	101.34973170250766	36.6577826321278	-100.4152828	78585.604764324	4390376.00445033	2588.18817653024	20.043.128412818476	2499.9675848778284	2499.9169994087187	83.16082794319123	83.16082794319123
728	326	248628	10898.8586730335	101.34973170250766	36.6577781712389	-100.4129253	78785.867123096	4390376.00445033	2588.18817653024	20.043.128412818476	2499.9675848778284	2499.9169994087187	83.16082794319123	83.16082794319123
729	326	248629	10958.8586730335	101.34973170250766	36.6577736299506	-100.4106396	78986.958478274	4390376.00445033	2588.18817653024	20.043.128412818476	2499.9675848778284	2499.9169994087187	83.16082794319123	83.16082794319123
730	326	248630	11018.8586730335	101.34973170250766	36.6577329001805	-100.4082969	79187.017052619	4390370.03501362	2580.107978207763	20.042.707978207763	2504.7810972644	2504.7810972644	84.4090438033492	84.4090438033492
731	326	248631	11088.8586730335	101.34973170250766	36.657746249750566	-100.4059543	79388.875156945	4390376.0437060	2568.451868237507	20.041.6437060	2506.4785430217	2506.4785430217	85.7095762742808	85.7095762742808
732	326	248632	11158.8586730335	101.34973170250766	36.6577386254226	-100.4036117	79589.8336428456	4390376.015213627	2560.274349712705	20.040.753941169727	2501.48899717173	2501.48899717173	86.959136974984	86.959136974984
733	326	248633	11218.8586730335	101.34973170250766	36.657730554788	-100.4012991	79790.7920958584	4390370.061	2556.89452061659	20.039.7920958584	2500.862297774853	2500.862297774853	88.164889394668	88.164889394668
734	326	248634	11288.8586730335	101.34973170250766	36.65772234	-100.3989205	79991.7501289056	4390374.006896127	2551.14675495104	20.038.93017220247	2501.9968889060624	2501.7802001146156	89.8758373835147	89.8758373835147
735	326	248635	113498.8586730335	101.34973170250766	36.6577168417491	-100.3965838	80192.70822515397	4390370.0775238	2547.0376398093	20.037.476398093	2501.7501289056	2501.7501289056	90.9237207069585	90.9237207069585
736	326	248636	114158.8586730335	101.34973170250766	36.657707463839	-100.3942142	80393.661717033	4390366.08017265	2546.961520340567	20.036.107429429604	2501.429051730326	2501.429051730326	91.94083129405986	91.94083129405986
737	326	248637	114818.8586730335	101.34973170250766	36.6576998238448	-100.3918986	80594.623897041	4390367.09765015	2545.28421411025	20.035.645601765424	2501.993730262879	2501.993730262879	92.945811366351	92.945811366351
738	326	248638	115478.8586730335	101.34973170250766	36.65769193	-100.389556	80795.5816	4390368.10744848	2543.94093125707	20.034.94093125707	2501.7501289056	2501.7501289056	93.945811366351	93.945811366351
739	326	248639	116138.8586730335	101.34973170250766	36.657683986486774	-100.3872134	80996.5931158909	4390364.1175467	2543.94093125707	20.033.94093125707	2501.7501289056	2501.7501289056	94.945811366351	94.945811366351
740	326	248640	116798.8586730335	101.34973170250766	36.65767959922776	-100.3848704	81197.496555432	4390360.17692549	2543.94093125707	20.032.94093125707	2501.7501289056	2501.7501289056	95.945811366351	95.945811366351
1	327	248641	117398.8586730335	101.41573170250766	36.65767234	-100.3825011	81398.74616973	4390358.10744848	2543.94093125707	20.031.94093125707	2501.7501289056	2501.7501289056	96.945811366351	96.945811366351
2	327	248642	370281.1413	101.41573170250766	36.65765719									

ix	iy	cl	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR Elev.Kg.f	BR Elev.Both.Kg.f	SurfElev.Kg.f
83	337	248725	-315501.1413	10.411517	3170250766	36.65502666	-10.19192873	249540.7534858229	4393343.499826135	3583.1707839512346	3404.560336821867	3388.678779777527	3388.3234633033122
86	337	248726	-314841.1413	10.411517	3170250766	36.65504826589598	-10.19126480	249741.62845803894	43933539.3673717	3579.2520763297067	3431.68493361211	3385.00447265306992	354.6548132921924
87	337	248727	-314181.1413	10.411517	3170250766	36.65506982461563	-10.19166929	249892.93201386793	43933535.31	3581.718096114298	3438.962273512428	3381.1729019584993	371.7429019584993
88	337	248728	-313521.1413	10.411517	3170250766	36.65509135538726	-10.19166929	249892.93201386793	43933535.31	3581.718096114298	3438.962273512428	3381.1729019584993	371.7429019584993
89	337	248729	-312861.1413	10.411517	3170250766	36.65511230094891	-10.19099177	250345.0518912045	43933526.94320512	3614.0195904978254	3420.20268267102	3371.6149223228887	3371.6149223228887
90	337	248730	-312201.1413	10.411517	3170250766	36.65513826118006	-10.19075753	250546.1258751288	43933522.805	3636.207433168466	3436.402534168466	3365.619604	3365.619604
91	337	248731	-311541.1413	10.411517	3170250766	36.65515654620194	-10.19052329	250747.1996124939	43933526.065283	3642.241294120209	3435.613679048696	3358.389240930628	3358.389240930628
92	337	248732	-310881.1413	10.411517	3170250766	36.65517695897106	-10.19028905	250948.2710331044	43933514.528455347	3637.342591706854	3434.632704901664	3349.532717106406	3349.532717106406
93	337	248733	-310221.1413	10.411517	3170250766	36.65519628193928	-10.19008481	251149.2465438215	43933510.381	3638.422655461298	3438.16873799923	3338.7165248974607	3438.16873799923
94	337	248734	-309561.1413	10.411517	3170250766	36.6552195297888	-10.18982057	251550.4192471757	43933506.2511768	3627.514701711395	3433.287495366075	3326.971256472398	3325.727707708334
95	337	248735	-308901.1413	10.411517	3170250766	36.6552303791951	-10.18958633	251551.4921005217	43933502.157496935	3618.076478327215	3432.517002793787	3313.918099534867	3313.918099534867
96	337	248736	-308241.1413	10.411517	3170250766	36.6552189256424	-10.18932029	251752.5646020716	4393497.9786139259	3609.411955739937	3431.740675249137	3314.4379867461334	3314.4379867461334
97	337	248737	-307581.1413	10.411517	3170250766	36.65523006807004	-10.18911785	251953.63807056382	4393481.8471709219	3599.114732320088	3430.953079391561	3336.7181944708836	3336.7181944708836
98	337	248738	-306921.1413	10.411517	3170250766	36.65530047435977	-10.18888361	252154.7088878132	4393489.70530785	3582.7222910614957	3430.149749705984	3352.7904290088066	3352.7904290088066
99	337	248739	-306261.1413	10.411517	3170250766	36.65532505736253	-10.18864837	252355.78066015794	4393485.568935499	3583.327963063135	3429.327963063135	3357.211607384758	3357.211607384758
100	337	248740	-305601.1413	10.411517	3170250766	36.65534607155194	-10.18841513	252556.8521878034	4393481.432248495	3612.88205400898	3429.485209745536	3359.8462498845506	3359.8462498845506
101	337	248741	-304941.1413	10.411517	3170250766	36.6553670707776	-10.18818089	252757.92347095543	4393477.296402922	3632.4417207133624	3422.62129403669	3361.682549	3362.282507163315
102	337	248742	-304281.1413	10.411517	3170250766	36.6553788495014	-10.18794665	252958.945063917	4393477.296402922	3652.00173102562	3426.735999822848	3362.9011665134794	3362.9011665134794
103	337	248743	-303621.1413	10.411517	3170250766	36.65540873697235	-10.18771241	253160.06530460756	4393469.025136795	3625.880368981616	3425.830635103152	3363.717319024794	3363.717319024794
104	337	248744	-302961.1413	10.411517	3170250766	36.65542953374431	-10.18747817	253361.1358555201	4393464.888499999	3665.066501303368	3424.907311560878	3363.768886589195	3363.768886589195
105	337	248745	-302301.1413	10.411517	3170250766	36.65546026256959	-10.18724392	253562.2602162747	4393460.754794765	3637.0170555561	3423.96801948176	3363.5601564754835	3363.5601564754835
106	337	248746	-301641.1413	10.411517	3170250766	36.65547095157337	-10.18700668	253753.7262564822	4393456.619706777	3669.516841171569	3423.019433048847	3363.0584296879624	3363.0584296879624
107	337	248747	-300981.1413	10.411517	3170250766	36.65548265555939	-10.18677534	253954.6404707775	4393452.845877723	3682.422655461298	3422.962273512428	3363.1729019584993	3363.1729019584993
108	337	248748	-300321.1413	10.411517	3170250766	36.65551227	-10.186542	254165.4156254474	4393448.351051596	3657.86801711594	3421.1032007805643	3361.5112496270012	3361.5112496270012
109	337	248749	-299661.1413	10.411517	3170250766	36.65553284	-10.18630696	254366.48495919653	4393442.216885191	3649.368626960076	3420.1440358753064	3360.377310732345	3360.377310732345
110	337	248750	-299001.1413	10.411517	3170250766	36.65553364118894	-10.18607271	254567.55405119903	4393440.0286598	3640.86425640259	3419.189091182636	3359.28867312365	3359.28867312365
111	337	248751	-298341.1413	10.411517	3170250766	36.655573844138075	-10.18583847	254768.622900771963	4393435.949	3633.2860267387523	3418.2402286830034	3358.0625231762438	3358.0625231762438
112	337	248752	-297681.1413	10.411517	3170250766	36.65559427890671	-10.18560423	254969.69150812118	4393431.815879721	3626.63107555561	3417.29452732628	3356.5972739142244	3356.5972739142244
113	337	248753	-297021.1413	10.411517	3170250766	36.65561469424775	-10.18538998	255170.79867344528	4393427.68673427	3616.914362554	3416.35146199707438	3356.1584296879624	3356.1584296879624
114	337	248754	-296361.1413	10.411517	3170250766	36.65563501202918	-10.18513574	255374.72779490775	4393423.058977723	3632.544211746613	3415.42142196026	3355.24041216324	3355.24041216324
115	337	248755	-295701.1413	10.411517	3170250766	36.65565531170891	-10.1849015	255572.8956788955	4393419.486440109	3609.134213451337	3414.4802146720826	3352.015681131588	3352.015681131588
116	337	248756	-295041.1413	10.411517	3170250766	36.65567556547494	-10.18467678	255783.96351941716	4393415.21640102	3607.415273874512	3413.5662321502507	3350.418395671784	3350.418395671784
117	337	248757	-294381.1413	10.411517	3170250766	36.6556957400025	-10.18443302	255975.031086967	4393411.152156954	3605.696334601184	3412.640880961404	3349.1790804953407	3349.1790804953407
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119	337	248759	-293061.1413	10.411517	3170250766	36.65573605527851	-10.18396453	256377.1659405273	4393402.88628968	3606.676125777135	3410.035915635876	3351.142057167124	3351.142057167124
120	337	248760	-292401.1413	10.411517	3170250766	36.65575612804108	-10.18373029	256578.7017159757	4393398.756927237	3615.739827336778	3409.954510152885	3350.09381227059	3350.09381227059
121	337	248761	-291741.1413	10.411517	3170250766	36.65577615555293	-10.18349604	256789.622822447	4393394.623394075	3609.087933775817	3409.087933775817	3350.869730218194	3350.869730218194
122	337	248762	-291081.1413	10.411517	3170250766	36.65579613781386	-10.1832618	256980.3640469077	4393390.494212605	3628.03568549066	3408.224113169344	3359.342016138516	3359.342016138516
123	337	248763	-290421.1413	10.411517	3170250766	36.65581607482376	-10.18302755	257181.4306120303	4393386.36316186	3617.313460069157	3407.386866247966	3359.88101617077	3359.88101617077
124	337	248764	-289761.1413	10.411517	3170250766	36.65583966582664	-10.18279331	257382.4960779682	4393382.223	3634.814625640259	3406.56706963126	3357.367635463843	3357.367635463843
125	337	248765	-289101.1413	10.411517	3170250766	36.65585813090504	-10.18259097	257583.5615551923	4393378.10212869	3638.95757310324	3405.766330945685	3352.747979930129	3352.747979930129
126	337	248766	-288441.1413	10.411517	3170250766	36.6558761437723	-10.18232482	257784.623930248	4393373.73201948	3618.0986666708	3404.864037513072	3347.00605734481	3347.00605734481
127	337	248767	-287781.1413	10.411517	3170250766	36.65589515081107	-10.1820913	257985.623930248	4393368.91925929	3638.95757310324	3403.954510152885	3346.4715196378	3346.4715196378
128	337	248768	-287121.1413	10.411517	3170250766	36.65591548712725	-10.18185633	258186.7565163364	4393365.79205498	3622.069023046926	3403.84334983327	3344.3915211297127	3344.3915211297127
129	337	248769	-286461.1413	10.411517	3170250766	36.655934746610455	-10.18162029	258387.8210728069	4393361.58273064	3617.0314674869175	3402.763908272293	3336.77257478554	3336.77257478554
130	337	248770	-285801.1413	10.411517	3170250766	36.6559543686243	-10.18138784	258588.885354229	4393357.45341022	3607.94406334427	3402.064360334427	3334.889490107753	3334.889490107753
131	337	248771	-285141.1413	10.411517	3170250766	36.65597394	-10.1811536	258789.9493973304	4393353.34462629	3601.92890725608	3341.32890725608	3331.1517226833185	3331.1517226833185
132	337	248772	-284481.1413	10.411517	3170250766	36.655993471612426	-10.18091395	258991.0120354742	4393348.196	3605.972772950544	3400.7162054508	3328.506387999424	3328.506387999424
133	337	248773	-283821.1413	10.411517	3170250766	36.656011296	-10.1806851	259202.677407138	4393345.967	3615.86255425562	3400.09381227059	3326.98246246245	3326.98246246245
134	337	248774	-283161.1413	10.411517	3170250766	36.6560232935695	-10.1804598	259433.7407192703	4393343.9870255	3624.74785074529	3399.421735915315	3323.2952885019	3323.2952885019
135	337	248775	-282501.1413	10.411517	3170250766	36.6560517893520							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRfElevLog.f	BRfElevLog.kg.f	SatHLog.f	SatHLog.kg.f	
217	337	248851	-223241.1413	10.415157	3170250766	36.65739332455366	-10.6241363	27478.4	71991.10317	43930023.78249901	3504.8862707880994	3236.230825558391	3214.742634161929	12.2800196374942	11.4488191396423
212	337	248852	-231681.1413	10.415157	3170250766	36.6574092340617581	-10.6217367	27505.367373	763915	4393019.638	3505.615437143647	3236.176370334236	3202.459238359399	3214.781390044089	11.504931328014662
213	337	248853	-231021.1413	10.415157	3170250766	36.65742509835686	-10.6194162	27523.764994325816	71991.10317	4393023.78249901	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
214	337	248854	-230361.1413	10.415157	3170250766	36.65744075849173581	-10.6170184	27547.454827490567	439301.11	7197554.34	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
215	337	248855	-229701.1413	10.415157	3170250766	36.657456691114161	-10.6147661	27567.4991	71991.10317	4393023.78249901	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
216	337	248856	-229041.1413	10.415157	3170250766	36.65747261	-10.6124235	27587.954423323844	4393003.1786	70663.1987	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
217	337	248857	-228281.1413	10.415157	3170250766	36.65748810291058	-10.610081	27608.58855516056	4393299.089544652	4393299.089544652	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
218	337	248858	-227121.1413	10.415157	3170250766	36.6575033971403172	-10.6077785	27628.613265572578	4393494.9056164	4393494.9056164	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
219	337	248859	-227061.1413	10.415157	3170250766	36.6575193336254	-10.605389	27648.62767140596	4393693.7180836	4393693.7180836	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
220	337	248860	-226401.1413	10.415157	3170250766	36.65753584115708	-10.603034	27668.72011990305	4393896.73286519	4393896.73286519	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
221	337	248861	-225741.1413	10.415157	3170250766	36.6575503393726	-10.6007108	27688.7636413302	4393926.5449384	4393926.5449384	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
222	337	248862	-225081.1413	10.415157	3170250766	36.65756580430306	-10.5983683	27705.80663252108	4393978.5463252	4393978.5463252	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
223	337	248863	-224421.1413	10.415157	3170250766	36.65758125211445	-10.5960257	27726.8486638796	4394031.94310035	4394031.94310035	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
224	337	248864	-223761.1413	10.415157	3170250766	36.65759671859141	-10.5936832	27747.892601332	4393970.31499065	4393970.31499065	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
225	337	248865	-223101.1413	10.415157	3170250766	36.65761159381382	-10.5913046	27768.93521496153	4393966.224128528	4393966.224128528	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
226	337	248866	-222441.1413	10.415157	3170250766	36.657627211578193	-10.58898	27789.975611032	4393921.11687698	4393921.11687698	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
227	337	248867	-221781.1413	10.415157	3170250766	36.65764244649539	-10.586655	27809.119688708	4393901.00771361	4393901.00771361	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
228	337	248868	-221121.1413	10.415157	3170250766	36.65765763195431	-10.5843129	27829.2615980231	4393953.9033796	4393953.9033796	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
229	337	248869	-220461.1413	10.415157	3170250766	36.6576727715869	-10.5819704	27849.1032862504	4393949.79664658	4393949.79664658	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
230	337	248870	-219801.1413	10.415157	3170250766	36.65768786110491	-10.5796278	27869.144726924	4393945.691	4393945.691	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
231	337	248871	-219141.1413	10.415157	3170250766	36.657770292	-10.5772852	27885.196673378	4393941.58473649	4393941.58473649	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
232	337	248872	-218481.1413	10.415157	3170250766	36.65771721243915	-10.5749427	27906.2210547175	4393937.47897426	4393937.47897426	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
233	337	248873	-217821.1413	10.415157	3170250766	36.6577623026981	-10.5726047	27923.6774740596	4393934.6147501	4393934.6147501	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
234	337	248874	-217161.1413	10.415157	3170250766	36.6577473436064	-10.5702576	27949.308412804	4393928.28148349	4393928.28148349	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
235	337	248875	-216501.1413	10.415157	3170250766	36.6577623036884	-10.567915	27969.3486830134	4393925.163	4393925.163	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
236	337	248876	-215841.1413	10.415157	3170250766	36.657774664583	-10.5655724	27990.38	4393921.05824177	4393921.05824177	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
237	337	248877	-215181.1413	10.415157	3170250766	36.65779236246966	-10.5632299	2801.01428995114	4393925.9332636	4393925.9332636	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
238	337	248878	-214521.1413	10.415157	3170250766	36.65780699753675	-10.5608373	28032.46873031167	4393927.84525048	4393927.84525048	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
239	337	248879	-213861.1413	10.415157	3170250766	36.65782322165026	-10.558447	28053.5582519885	4393928.02235806	4393928.02235806	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
240	337	248880	-213201.1413	10.415157	3170250766	36.65783832759572	-10.5560232	28074.6417831497	4393924.6147501	4393924.6147501	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
241	337	248881	-212541.1413	10.415157	3170250766	36.657850902472796	-10.5536896	28095.5864680904	4393925.37499424	4393925.37499424	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
242	337	248882	-211881.1413	10.415157	3170250766	36.65786574663495	-10.551517	28110.6252289304	4393926.4041472	4393926.4041472	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
243	337	248883	-211221.1413	10.415157	3170250766	36.657887998	-10.5491745	281307.3662	4393928.3301833	4393928.3301833	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
244	337	248884	-210561.1413	10.415157	3170250766	36.65789844465423	-10.5468319	281508.706271396	4393928.228	4393928.228	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
245	337	248885	-209901.1413	10.415157	3170250766	36.6578988078851	-10.5444893	28171.70495950704	4393924.75062229	4393924.75062229	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
246	337	248886	-209241.1413	10.415157	3170250766	36.65790232165026	-10.5421467	281910.7789215546	4393928.02235806	4393928.02235806	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
247	337	248887	-208581.1413	10.415157	3170250766	36.65793575277744	-10.5398042	28211.8177303257	4393925.92001232	4393925.92001232	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
248	337	248888	-207921.1413	10.415157	3170250766	36.657951857393224	-10.5374616	28231.2543597242	4393927.81123846	4393927.81123846	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
249	337	248889	-207261.1413	10.415157	3170250766	36.6579660724588	-10.535119	282513.8917	4393927.71627635	4393927.71627635	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
250	337	248890	-206601.1413	10.415157	3170250766	36.657980265297334	-10.5327764	28274.12988914288	4393928.6146592805	4393928.6146592805	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
251	337	248891	-205941.1413	10.415157	3170250766	36.65799441	-10.5304338	282915.96386646	4393929.53	4393929.53	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
252	337	248892	-205281.1413	10.415157	3170250766	36.6580055653642	-10.5280913	283117.0025691677	4393925.4114924	4393925.4114924	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
253	337	248893	-204621.1413	10.415157	3170250766	36.658019594772875	-10.5256847	28332.678423231	4393926.7187803	4393926.7187803	3506.073526719047	3232.982318583917	319.71744233651834	123.23164752828234	108.1162742438113
254	337														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRElevKgr.f	BRElevKgr.ft	SatHtKgr.f	SatHtBoth.ft
327	337	248977	-149181.1413	10.415157	310250766	36.59504153959496	-01.3289689	00024.36706123856	4392507.653739885	328.42024098832955	338.324524525248	3036.7713177829146	40.55323464233334	92.38578245844064
338	337	248978	-148521.1413	10.415157	310250766	36.59505174752772	-01.3286263	00045.3862163452	4392503.572336082	329.6205872229602	336.7586427169783	3033.7631025232417	40.5595149373454	91.40348477036666
339	337	248979	-147691.1413	10.415157	310250766	36.59509189229864	-01.3244386	00066.409116287325	4392491.9616287325	330.21984484982384	335.2128898492384	3032.00303361385	40.571230852297328	89.3116330376824
340	337	248980	-147201.1413	10.415157	310250766	36.595072062062285	-01.321941	00087.42394139175	4392485.014218942	331.682108189376	333.6669648605916	3030.877760561432	40.6403631677722	92.80920429654898
341	337	248981	-146541.1413	10.415157	310250766	36.595082760780625	-01.3195983	00108.42451116813	4392491.329504393	326.924296189276014	332.1806048633958	3028.287393538171	40.40480314507339	91.80926353278725
342	337	248982	-145841.1413	10.415157	310250766	36.595090212	-01.3172557	00109.260868814897	4392487.240919176	325.2244512961827	331.609032031925	3030.4837318402678	40.437701929987	90.2035601916279
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345	337	248985	-143901.1413	10.415157	310250766	36.5951218114035	-01.3102227	00112.5146447635	4392475.008839496	322.750882954534	330.2141498	3031.071268994477	40.322401984	89.48789175167275
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384	337	249024	-118161.1413	10.415										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.ft	BR ElevBothKgr.ft	SurfElev.ft	SurfBoth.ft
463	337	249103	-66021.14133	10.415157	370250766	36.59997125263025	-0.10337911	325531.3091355541	3149.77833633259	3148.77833633259	2891.082733124944	2895.589690788057	2894.423087266235	85.6599487327105
464	337	249104	-65361.14133	10.415157	370250766	36.59997576	-0.10314848	325732.30529157503	3149.918114800053	3148.767936	2891.799823723923	2894.367589242852	2893.136305847473	86.06261773292195
465	337	249105	-64701.14133	10.415157	370250766	36.59998971211592	-0.10291057	325953.3012781425	3148.5838194441	3147.5838194441	2891.785216997782	2890.785216997782	84.3074625748753	85.50726991382169
466	337	249106	-64041.14133	10.415157	370250766	36.599989845145074	-0.1026763	326134.2970945442	3149.983140355059	3148.40174335032	2891.36716578296	2891.4827881180936	2890.35680828508	83.84852653973604
467	337	249107	-63381.14133	10.415157	370250766	36.59999890042848	-0.10244203	326335.2927347145	3149.978192	3127.150004470002	2891.4232662178577	2889.877790420813	2888.86975760408	83.5447716964365
468	337	249108	-62721.14133	10.415157	370250766	36.59999303241474	-0.10220776	326536.2882231911	3149.97404013813	3119.5816489560212	2891.45713498207	2888.284692605389	2887.5341785139847	83.25043984222414
469	337	249109	-62061.14133	10.415157	370250766	36.5999976	-0.10197349	326737.2833340936	3149.97888766	3120.22365157884	2890.480523238613	2886.250470719063	2885.064523468507	83.0979511679071
470	337	249110	-61401.14133	10.415157	370250766	36.60001835807165	-0.10173922	326938.27867404043	3149.966347390203	3104.4556319894	2896.488470829828	2885.068390304244	2883.071245453422	82.47774642780542
471	337	249111	-60741.14133	10.415157	370250766	36.60002692171595	-0.10159495	327139.2755658486	3149.96276420811	3098.723495962814	2894.012156181455	2883.006361014653	81.47417889417542	81.58818970856275
472	337	249112	-60081.14133	10.415157	370250766	36.60001016643073	-0.10127068	327340.2895	3149.95817567968	3097.871704765352	2893.477157686756	2883.251762352804	2883.075140571113	80.4010034965474
473	337	249113	-59421.14133	10.415157	370250766	36.60001426538324	-0.1010364	327641.2630551179	3149.95485166821	3091.016558201356	2891.462022430478	2882.798728348486	2882.513035203083	78.632975455262
474	337	249114	-58761.14133	10.415157	370250766	36.60001831601777	-0.10080213	327742.2556588264	3149.956434882202	3094.004263941814	2890.4540042521	2882.410895788968	2882.701249243897	77.01435046863435
475	337	249115	-58101.14133	10.415157	370250766	36.6000223229225565	-0.10056786	327943.2519	3149.949156349634	3091.63947312476	2891.4295322507787	2882.189689164313	2881.39427826865	75.2938409
476	337	249116	-57441.14133	10.415157	370250766	36.6000265486225	-0.10033395	328144.240054426	3149.942134593765	3085.5159050212805	2891.519050219114	2881.877447847546	2881.828212146493	73.5873838504513
477	337	249117	-56781.14133	10.415157	370250766	36.60003020954715	-0.1000932	328345.2396746863	3149.938448597373	3088.95956453128	2893.406139	2881.805135838717	2881.7969226429	71.620466756499
478	337	249118	-56121.14133	10.415157	370250766	36.60003407208204	-0.0998605	328546.2377077973	3149.933430628046	3083.171123143463	2891.40111543445	2881.543833448708	2881.72163901972	69.85728197
479	337	249119	-55461.14133	10.415157	370250766	36.6000378789750176	-0.09963078	328747.2274129422	3149.93036886242	3079.18732327373	2894.005559341074	2881.463390132725	2881.7142580178945	67.93074638083495
480	337	249120	-54801.14133	10.415157	370250766	36.60004175859125	-0.09939561	328942.208824417	3149.926317867237	3073.83675058753	2894.4050834701484	2881.434995603943	2881.709631725475	65.970276600505
481	337	249121	-54141.14133	10.415157	370250766	36.600045413809825	-0.09916224	329149.2148578475	3149.92228980127	3068.5548648382	2895.420871225258	2881.383818996313	2881.731589586376	63.6828164
482	337	249122	-53481.14133	10.415157	370250766	36.60004910399984	-0.09892796	329350.2323171766	3149.918124081192	3063.27284860112	2893.4511854870122	2881.3820185163136	2881.795488848407	62.0916653802325
483	337	249123	-52821.14133	10.415157	370250766	36.6000527488308	-0.09869389	329551.2002948246	3149.914192590488	3061.432197833394	2891.447391378382	2881.444624752646	2881.873213300578	60.05270722573596
484	337	249124	-52161.14133	10.415157	370250766	36.60005634840301	-0.09845842	329752.1931003532	3149.91014487636	3059.03285498115	2893.58733816708	2881.585643653563	2881.973044339724	57.5859398212175
485	337	249125	-51501.14133	10.415157	370250766	36.60006028715874	-0.0982185	329953.1857417082	3149.905349630381	3056.723495962814	2893.744545222384	2881.759474522678	2881.872281261145	54.7899143215435
486	337	249126	-50841.14133	10.415157	370250766	36.60006411716963	-0.0979908	330154.1782173582	3149.90203267101	3056.23416808767	2893.744545222384	2881.872281261145	2881.872281261145	52.4706676701453
487	337	249127	-50181.14133	10.415157	370250766	36.60006875564105	-0.09775561	330355.1705280858	3149.908101948496	3053.7412575032	2893.828547	2883.6749479560417	2884.3526143144773	48.15338972594808
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489	337	249129	-48861.14133	10.415157	370250766	36.60007366737534	-0.09728807	330757.1545650195	3149.903897979205	3044.919726304392	2893.032148839049	2881.6819698351123	2886.40613544075	38.2912504798701
490	337	249130	-48201.14133	10.415157	370250766	36.600076995392075	-0.09705739	330958.1464736205	3149.901851361322	3036.078176848926	2892.21225408355	2890.020881871158	2886.30518784838	33.19137337677464
491	337	249131	-47541.14133	10.415157	370250766	36.600080827814956	-0.09681952	331159.13812590716	3149.9018112590716	3028.74127936632	2892.3410515143357	2888.230233869808	2881.973213580898	31.3071287176233
492	337	249132	-46881.14133	10.415157	370250766	36.60008477155772	-0.09659725	331350.129511205	3149.901777589	3025.01422477853	2892.5190158905922	2881.546802578982	2881.707407837893	28.4570723
493	337	249133	-46221.14133	10.415157	370250766	36.6000887078669	-0.09636598	331561.1209	3149.901777589	3023.68461104926	2892.687123232006	2890.8970470334752	2886.2438251595	25.2006528972539
494	337	249134	-45561.14133	10.415157	370250766	36.60009854863634	-0.09611671	331762.1102106903	3149.901677	3020.351500744294	2892.867098689247	2898.83016716637	2885.18513811955	21.73681821028745
495	337	249135	-44901.14133	10.415157	370250766	36.6000985658672	-0.09588244	331963.1031014715	3149.901651615688	3038.505914642835	2891.05474642835	2894.8550956553595	2885.77395228981	19.2307389646055
496	337	249136	-44241.14133	10.415157	370250766	36.6000961304782	-0.09564817	332164.093371799	3149.901651568204	3034.291497423154	2891.251985329275	2889.8511209129074	2885.30032909826	17.4008641367761
497	337	249137	-43581.14133	10.415157	370250766	36.60009902424961	-0.09541389	332365.0846102656	3149.901571311695	3029.97439585157	2891.45735362172	2884.58826726784	2887.545734048827	15.39179913834504
498	337	249138	-42921.14133	10.415157	370250766	36.60010198913209	-0.09517862	332566.0172021654	3149.901563490381	3025.70728911558	2891.572172936632	2888.230233869808	2881.973213580898	13.424381989267886
499	337	249139	-42261.14133	10.415157	370250766	36.60010408705726	-0.09494635	332766.0172021654	3149.901563490381	3025.70728911558	2891.572172936632	2888.230233869808	2881.973213580898	11.424381989267886
500	337	249140	-41601.14133	10.415157	370250766	36.600107766299136	-0.09471108	332968.055635473	3149.90145769706	3015.7313011902165	2891.1017342433564	2870.527830576122	2889.053435982939	9.4609195574415
501	337	249141	-40941.14133	10.415157	370250766	36.60011061646367	-0.09447861	333169.0456769154	3149.901341363	3010.2701695235	2890.324349430767	2866.5051618126805	2885.121314368282	7.174083130407234
502	337	249142	-40281.14133	10.415157	370250766	36.6001134017027	-0.09424254	333370.0356384573	3149.90131954499	3005.27413216291	2890.5607181865152	2886.8234838302054	2881.371188440215	4.92269398426289
503	337	249143	-39621.14133	10.415157	370250766	36.6001164101616	-0.09400828	333571.02538346075	3149.901327587412	2999.599692	2890.761449315138	2883.7587468014	2884.5963907701847	2.5630405407922
504	337	249144	-38961.14133	10.415157	370250766	36.6001188540268	-0.09377399	333772.0146770443	3149.90123435315	2997.94772047487296	2892.964257377237	2886.5871779566433	2883.961145123598	0.487961723
505	337	249145	-38301.14133	10.415157	370250766	36.6001212508715828	-0.09354635	333973.02538346075	3149.90123435315	2997.94772047487296	2892.964257377237	2886.5871779566433	2883.961145123598	0.487961723
506	337	249146	-37641.14133	10.415157	370250766	36.6001240837771	-0.09330345	334173.934707771	3149.901146237059	2991.233016738299	2891.341128715338	2885.0229616964852	2881.8710553122	0.473142950310154
507	337	249147	-36981.14133	10.415157	370250766	36.60012664700621	-0.09307118	334374.862526338	3149.901134749909	2987.514523	2890.568341248377	2889.24317862024	2884.59488793652305	0.482803428285854
508	337	249148	-36321.14133	10.415157	370250766	36.6001291603555	-0.09283931	334575.97142130523	3149.90110605076	2976.674563	2895.673691038763	2889.5991465728057	2884.660824730466	0.47544544302563
509	337	249149	-35661.14133	10.415157	370250766	36.6001326845136	-0.09260263	334776.960158772	3149.90109186544	2975.67529792965	2893.8187881873123	2889.		

ix	iy	x	y	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIEVELogsKrg	BRIEVEBothKrg	SatHLogsKrg	SatHBothKrg
588	537	249222	17138.85867307335	-0.014157310250766	39.660182430529526	-0.01386087	350855.5576954724	4391486.327345697	282107198764382	2748.097096		2735.0085928348103	2736.473256080828	10.680502871129549	11.623839055111941
590	537	249230	17198.85867307335	-0.014157310250766	39.660181237102975	-0.0136205	351056.5341223374	4391476.348479852	2851472835070165	2746.45426487637	2736.9742904503166	2738.980580471599	10.679974513620252	8.473684505237998	5.78984696
591	537	249231	18458.85867307335	-0.014157310250766	39.66017986391696	-0.01359323	351257.5105606968	4391478.32481247	2851472835070165	2746.81349725534	2738.38532922851	2740.833412	8.428739043	5.78984696	5.78984696
592	537	249232	19115.85867307335	-0.014157310250766	39.660177501741495	-0.0135105	351458.4895	4391473.301429875	2851472835070165	2746.1275647935858	2738.6279654902697	2741.76717759444	10.679974513620252	4.727812817913353	0.6324874642893784
593	537	249233	19778.85867307335	-0.014157310250766	39.660177371766586	-0.01292378	351689.46252472346	4391470.27825728	2850.83829238967	2744.8241813485227	2739.8945661869325	2742.8542343380584	5.62961516190029	2.6686507100143115	0.6324874642893784
594	537	249234	20438.85867307335	-0.014157310250766	39.66017598280195	-0.01268951	351860.4383968032	4391466.25528788	2850.66394054037	2744.564526340371	2740.3045251161047	2744.11334039768	5.62961516190029	0.750585943	0.6324874642893784
595	537	249235	21098.85867307335	-0.014157310250766	39.66017456857836	-0.01245524	352061.41148100203	4391462.32259505	2849.025719376106	2744.189223387394	2740.406883883955	2743.5505989	3.44853550343877	0.6324874642893784	0.6324874642893784
596	537	249236	21758.85867307335	-0.014157310250766	39.6601730909059	-0.01222096	352262.3896717215	4391458.21066521	2848.023275604932	2743.494296589484	2741.176657023902	2743.404296589484	5.62961516190029	0.6324874642893784	0.6324874642893784
597	537	249237	22418.85867307335	-0.014157310250766	39.660171584252376	-0.0119669	352463.3651037354	4391454.18781174	2847.042754167114	2742.782611718778	2740.967037302851	2742.843731050789	5.62961516190029	0.6324874642893784	0.6324874642893784
598	537	249238	23078.85867307335	-0.014157310250766	39.6601700	-0.01175242	352684.304388361	4391450.16573003	2839.552752348475	2742.032047750895	2741.302225028011	2742.302225028011	5.62961516190029	0.6324874642893784	0.6324874642893784
599	537	249239	23738.85867307335	-0.014157310250766	39.66016841908862	-0.01151815	352865.315531094	4391446.43912005	2841.186153693003	2741.2591587795937	2741.519101549212	2742.101906988325	5.62961516190029	0.6324874642893784	0.6324874642893784
600	537	249240	24398.85867307335	-0.014157310250766	39.6601667856758	-0.0112838	353066.29053216975	4391442.1228116	2840.456074425166	2741.001771049188	2741.322077749634	2741.322077749634	5.62961516190029	0.6324874642893784	0.6324874642893784
601	537	249241	25058.85867307335	-0.014157310250766	39.6601650278708	-0.0110446	353267.26539180044	4391438.10095478	2839.6220181422005	2740.1449975863056	2740.31844749804	0	0	0	0
602	537	249242	25718.85867307335	-0.014157310250766	39.66016333174721	-0.0108153	353468.2401	4391434.07981103	2838.42434296201	2739.75606627593	2739.121242864237	2739.32710106671	0	0	0
603	537	249243	26378.85867307335	-0.014157310250766	39.66016154544785	-0.01058106	353689.214687547	4391430.05899523	2836.23453256286	2737.868938168902	2737.9973495261207	2738.177901105671	0	0	0
604	537	249244	27038.85867307335	-0.014157310250766	39.66015971389911	-0.01034679	353870.1891240573	4391428.038	2834.227574115957	2736.924226615935	2736.8107782286124	2736.947760814383	1.01166444329810473	0.70961613	0.70961613
605	537	249245	27698.85867307335	-0.014157310250766	39.6601580737093	-0.01011252	354071.1634	4391422.01776073	2831.61718897264	2735.9615765278805	2735.002562102745	2735.002562102745	1.0301391178680576	0.9065409538985956	0.9065409538985956
606	537	249246	28358.85867307335	-0.014157310250766	39.66015591493354	-0.00987284	354272.173754679	4391417.99752013	2827.80438033946	2734.968743962115	2733.1163551060237	2733.07998469611	1.845192319870789	1.787898524140504	1.787898524140504
607	537	249247	29018.85867307335	-0.014157310250766	39.6601539466376	-0.00964397	354473.1115907443	4391413.97752013	2824.82664402816	2733.918550128794	2733.111657	2731.05103634262	2.80019803291340395	2.867513733073238	2.867513733073238
608	537	249248	29678.85867307335	-0.014157310250766	39.660151930596	-0.0094097	354674.0854601457	4391409.95774183	2821.8013092395	2732.40538967336	2729.073841788565	2728.991371646285	3.766691778770753	3.8490018026537048	3.8490018026537048
609	537	249249	30338.85867307335	-0.014157310250766	39.660149877204155	-0.00917543	354875.05920148734	4391405.93819439	2818.5056735818544	2731.7248579925517	2726.97259996337	2726.97259996337	4.762452599	4.762452599	4.762452599
610	537	249250	30998.85867307335	-0.014157310250766	39.66014774740894	-0.00894116	355076.0239773643	4391401.918871677	2816.46041433774	2730.5719665837404	2724.6215717542316	2724.6215717542316	5.950379140687349	5.789914786600548	5.789914786600548
611	537	249251	31658.85867307335	-0.014157310250766	39.6601456719179	-0.00870325	355277.0239773643	4391387.9898942	2814.03677460133	2729.562098415714	2720.78190230263	2720.78190230263	6.97123411030363	6.97123411030363	6.97123411030363
612	537	249252	32318.85867307335	-0.014157310250766	39.6601434200034	-0.00847261	355477.9795711639	4391383.88004727	2811.197532020401	2728.156987484484	2721.0651673006137	2720.89373289207	7.05121487348174	7.267615905294678	7.267615905294678
613	537	249253	32978.85867307335	-0.014157310250766	39.66014119318693	-0.00823834	355678.95274949656	4391389.86265272	2807.09407408313	2726.891831	2719.2719824192338	2719.2719824192338	8.1265247632605	7.471952440171972	7.471952440171972
614	537	249254	33638.85867307335	-0.014157310250766	39.6601389093417	-0.00800047	355879.92578905943	4391385.84351356	2804.98058442035	2725.914708472765	2718.176835033997	2718.307343957384	9.14635813279347	8.221096452	8.221096452
615	537	249255	34298.85867307335	-0.014157310250766	39.66013679622034	-0.00776798	356080.989605079	4391381.426	2802.15042010845	2724.2509050261033	2717.08572	2717.08572	9.14635813279347	8.221096452	8.221096452
616	537	249256	34958.85867307335	-0.014157310250766	39.66013420459034	-0.00753533	356281.8145269813	4391377.80730397	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
617	537	249257	35618.85867307335	-0.014157310250766	39.66013219239074	-0.00730615	356482.9407718474	4391373.789898942	2800.1722973831004	2721.40688617923	2715.187042332176	2715.187042332176	6.67113741344002	6.21906858498719	6.21906858498719
618	537	249258	36278.85867307335	-0.014157310250766	39.66013019823904	-0.00707693	356683.81620172905	4391369.72463484	2800.1722973831004	2721.40688617923	2715.187042332176	2715.187042332176	6.67113741344002	6.21906858498719	6.21906858498719
619	537	249259	36938.85867307335	-0.014157310250766	39.6601280934773	-0.00684721	356884.7891252645	4391365.75184021	2800.1722973831004	2721.40688617923	2715.187042332176	2715.187042332176	6.67113741344002	6.21906858498719	6.21906858498719
620	537	249260	37598.85867307335	-0.014157310250766	39.66012625367075	-0.00659844	357085.7611237911	4391361.73811539	2803.023710035954	2721.8670989650447	2712.216792215215	2712.216792215215	6.67113741344002	6.21906858498719	6.21906858498719
621	537	249261	38258.85867307335	-0.014157310250766	39.66012462702436	-0.00636417	357286.7339772654	4391357.23106033	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
622	537	249262	38918.85867307335	-0.014157310250766	39.6601230047473	-0.0061299	357487.70513453095	4391353.705	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
623	537	249263	39578.85867307335	-0.014157310250766	39.660121381496773	-0.00589562	357688.676934414	4391349.68335909	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
624	537	249264	40238.85867307335	-0.014157310250766	39.66011975821348	-0.00566195	357889.5485976116	4391345.672191272	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
625	537	249265	40898.85867307335	-0.014157310250766	39.660118	-0.00542478	358090.621423934	4391341.65273573	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
626	537	249266	41558.85867307335	-0.014157310250766	39.660110797	-0.00519281	358291.5915	4391337.641	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
627	537	249267	42218.85867307335	-0.014157310250766	39.6601059644636	-0.00495854	358492.562768598	4391333.62118626	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
628	537	249268	42878.85867307335	-0.014157310250766	39.660102178662726	-0.00472427	358693.533873536	4391329.60982031	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
629	537	249269	43538.85867307335	-0.014157310250766	39.660099215619795	-0.00448899	358894.504070684	4391325.59497202	2800.6789896972	2722.87448892414	2716.262074	2716.654320369155	6.67113741344002	6.21906858498719	6.21906858498719
630	537	249270	44198.85867307335	-0.014157310250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	WdL	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThLogs.kg.ft	SatThBoth.kg.ft
715	737	249355	100298.8567307335	10414157.310250766	36.59697507968046	-100.4434274	376177.5248308087	43090981.151894758	2627.897769264793	254.5157189837872	253.8583574001879	253.9453939139705	60.56322154	61.5773097816688
716	737	249356	100598.8567307335	10414157.310250766	36.59696817910575	-100.4414048	376738.4846491237	43090977.1655680415	2622.841186868705	253.5454984379146	252.87301759548031	252.701127259098	63.8123698883525	64.85386190881495
717	737	249357	101618.8567307335	10414157.310250766	36.596961232246564	-100.387421	376769.44446786317	43090973.1618148177	2617.784689114364	252.65407611698645	252.674732309867	252.674732309867	60.56433924174	61.5773097816688
718	737	249358	102786.8567307335	10414157.310250766	36.59695454218777	-100.4363994	376980.6564218777	43090969.166626298	2612.78027350542	253.64763538470133	252.28417638470133	252.28417638470133	60.066657273541	68.78001763231993
719	737	249359	103298.8567307335	10414157.310250766	36.59694720584112	-100.4340667	376981.368343406	43090965.17200364	2608.724866390067	250.6965115693097	251.013329200599	250.1993143043046	68.6821396521052	70.4962762605007
720	737	249360	103598.8567307335	10414157.310250766	36.59694012423603	-100.431714	377182.323405509	43090961.177600484	2605.7751314200195	250.9732654566589	251.082220766589	251.082220766589	71.64139782	72.38512119665342
721	737	249361	104258.8567307335	10414157.310250766	36.5969323797322	-100.4293713	377383.28272101504	43090957.183	2602.83262785883	251.47146341224216	251.0414851293846	251.0414851293846	70.189926365478	74.68547256549855
722	737	249362	104918.8567307335	10414157.310250766	36.59692525250615	-100.427028	377884.214984391	43090953.18948318	2598.875695692045	258.7217304015485	251.1378031900886	251.04262492137	76.583923485993	77.2964679036476
723	737	249363	105578.8567307335	10414157.310250766	36.59691860787032	-100.424686	377895.20113255254	43090948.1957611775	2596.49836114364	258.6584914385787	257.9922542295454	257.9922542295454	76.583923485993	77.2964679036476
724	737	249364	106238.8567307335	10414157.310250766	36.5969113252165	-100.422343	377966.160163795	43090942.20264935	2595.696431859709	258.612395708693	257.9525054378999	257.9525054378999	76.583923485993	77.2964679036476
725	737	249365	106858.8567307335	10414157.310250766	36.59690403733464	-100.4200068	378187.1179501671	43090941.208997128	2588.85932728714	258.4519037517321	2498.855848754885	2498.855848754885	76.583923485993	77.2964679036476
726	737	249366	107558.8567307335	10414157.310250766	36.5969068417926	-100.4176579	378388.0776935252	43090937.21596345	2585.090627269919	258.3386063	2495.438222218696	2495.438222218696	76.583923485993	77.2964679036476
727	737	249367	108218.8567307335	10414157.310250766	36.59690828755584	-100.4153152	378589.0366255464	43090933.23136677	2584.129606373216	258.218562321626	2492.482047129614	2492.482047129614	76.583923485993	77.2964679036476
728	737	249368	108878.8567307335	10414157.310250766	36.5969018420356	-100.4129725	378789.99513261934	43090929.21	2586.016057881203	2492.635060748324	2491.9712265794574	2491.9712265794574	76.583923485993	77.2964679036476
729	737	249369	109538.8567307335	10414157.310250766	36.5969435316324	-100.4106299	378990.9536	43090928.28180039	2587.891349730237	257.781037750247	2495.6197128702597	2495.6197128702597	76.583923485993	77.2964679036476
730	737	249370	110198.8567307335	10414157.310250766	36.59694691897464	-100.4082872	379191.9119	43090921.24640759	2588.72212459943	257.8305201850147	2500.412359502176	2500.412359502176	76.583923485993	77.2964679036476
731	737	249371	110858.8567307335	10414157.310250766	36.59695623957745	-100.4059445	379392.8714851534	43090917.254	2592.63684338826	257.1981194692153	2504.232883	2504.232883	76.583923485993	77.2964679036476
732	737	249372	111518.8567307335	10414157.310250766	36.596951614822004	-100.4036018	379593.822596394	43090913.2642011	2596.484768813924	257.5754805254703	2509.4702277179004	2509.4702277179004	76.583923485993	77.2964679036476
733	737	249373	112178.8567307335	10414157.310250766	36.59695434885924	-100.4012591	379794.786255148	43090909.27097873	2600.33273234204	257.4840376525153	2511.2179673543783	2511.2179673543783	76.583923485993	77.2964679036476
734	737	249374	112838.8567307335	10414157.310250766	36.59695362296373	-100.3989165	379995.7441366575	43090905.279734305	2604.180847616004	257.37086411402264	2512.25528784509	2512.25528784509	76.583923485993	77.2964679036476
735	737	249375	113498.8567307335	10414157.310250766	36.596952847	-100.3965738	380196.701904264	43090901.28873314	2607.591602707887	257.16282864673	2512.884233296084	2512.884233296084	76.583923485993	77.2964679036476
736	737	249376	114158.8567307335	10414157.310250766	36.596952063419784	-100.3942211	380397.6595562096	43090897.29676526	2610.5751514595468	257.10779988113203	2512.7181816689	2512.7181816689	76.583923485993	77.2964679036476
737	737	249377	114818.8567307335	10414157.310250766	36.59694913242564	-100.3918884	380598.617886869	43090893.2996524524	2613.909296512454	256.910161818982	2510.8363413386	2510.8363413386	76.583923485993	77.2964679036476
738	737	249378	115478.8567307335	10414157.310250766	36.5969504916169205	-100.3895457	380799.54255933	43090889.317069084	2616.35352032265	256.16602559805	2513.952453791796	2513.952453791796	76.583923485993	77.2964679036476
739	737	249379	116138.8567307335	10414157.310250766	36.596949674566676	-100.3872031	381000.5318401373	43090883.26895073	2619.222035067225	256.622845666285	2513.07469415567	2513.07469415567	76.583923485993	77.2964679036476
740	737	249380	116798.8567307335	10414157.310250766	36.59694898786014	-100.384804	381201.489041497	43090881.330705145	2621.6097664584	256.0455652	2511.48709868694	2511.48709868694	76.583923485993	77.2964679036476
1	338	249381	-370941.1413	10414157.310250766	36.5969486259724414	-102.1160755	323653.7272321414	43090877.38271152	3681.390965745684	357.9362222350333	351.514973505473	351.514973505473	64.5168479803036	65.5891080103036
2	338	249382	-370281.1413	10414157.310250766	36.596948801025384	-102.1137332	323654.8189787892	43090869.228051802	3688.95945676979	357.77060342469217	351.3169960432047	351.3169960432047	64.5168479803036	65.5891080103036
3	338	249383	-369621.1413	10414157.310250766	36.59694913242564	-102.094964	323655.17942105236	43090865.98124524	3698.2999518656284	357.565713178628	351.02606518691	351.02606518691	64.5168479803036	65.5891080103036
4	338	249384	-368961.1413	10414157.310250766	36.5949387	-102.109348	323656.106770075	43090860.1042308	3695.422912749952	357.3734359469506	351.0619440782352	351.0619440782352	64.5168479803036	65.5891080103036
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6	338	249386	-367641.1413	10414157.310250766	36.59498928070218	-102.1043639	323659.2013102323	43090872.59375034	3641.668807729054	356.9790543278744	350.7706547278744	350.7706547278744	64.5168479803036	65.5891080103036
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12	338	249392	-363681.1413	10414157.310250766	36.5951394986106	-102.090309	324865.7669971028	43090847.69	3615.543129557295	355.507269275502	349.656042964513	349.656042964513	64.5168479803036	65.5891080103036
13	338	249393	-363021.1413	10414157.310250766	36.5951638371994	-102.087976	325066.860724145305	43090843.492614119	3599.947974887177	349.5761464633976	349.5761464633976	349.5761464633976	64.5168479803036	65.5891080103036
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17	338	249397	-360381.1413	10414157.310250766	36.5952638371994	-102.078694	325871.269975027	43090827.1561283	3587.947188571234	350.441561283	349.474389754172	349.474389754172	64.5168479803036	65.5891080103036
18	338	249398	-359721.1413	10414157.310250766	36.5952884031627	-102.076259	326064.73202935346	43090823.71350147	3592.944027771					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	AsfElevLogsKrg.	SatHBothKrg.
100	339	249481	-304941.1413	101.481731370250766	36.65717980978198	-101.8818359	252762.07043670907	393678.618885001	3626.7236858427177	3246.724324262982	3362.2676976287353	3362.9708072779097	34.5466266342673	63.7535163503722
102	338	249482	-304281.1413	101.481731370250766	36.65720077853049	-101.8794534	252963.14123168983	393674.4126779135	3626.7147120827725	3246.7236959500121	3363.3947501464434	3364.2143852763705	60.42719444	61.6553103675005
103	338	249483	-303621.1413	101.481731370250766	36.6572219513366	-101.877151	253164.1217625946	393670.347141474	3626.707568681949	3246.711927464078	3363.3827941671443	3363.6529741671443	61.1538334682722	60.3381195849894
104	338	249484	-302961.1413	101.481731370250766	36.657241846239	-101.8748095	253365.2820983215	393661.216717341	3600.8941322572864	3242.0913822572864	3363.378039630692	3365.11462620996	60.4250208953098	58.773133112429
106	338	249485	-302301.1413	101.481731370250766	36.65726317	-101.872466	253566.35215301052	393662.076232153	3664.58073626944	3242.173553421481	3363.32400742909	3365.313209825103	59.810714826261	57.86034359762515
106	338	249486	-301641.1413	101.481731370250766	36.6572827372552	-101.8701236	253767.42197293191	393663.941	3668.26774996014	3242.241957601405	3362.4220650453067	3366.50672897917	59.82013071483379	55.7354766637307
107	338	249487	-300981.1413	101.481731370250766	36.6573034388796	-101.8677811	253968.49154960513	393663.80643719	3666.309238241534	3242.3109647336646	3361.490983	3367.4551571695268	59.8110714826261	53.8468069777784
108	338	249488	-300321.1413	101.481731370250766	36.657325155162555	-101.8654386	254169.56088323603	393663.491832758	3666.7065930141	3242.3070911952529	3360.131324286276	3368.127471292747	59.820776697531	51.2296190317744
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110	338	249490	-299001.1413	101.481731370250766	36.65736625203316	-101.8607358	254571.69882219638	393641.40328113	3667.013948381949	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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113	338	249493	-297021.1413	101.481731370250766	36.657425792135	-101.8537262	255173.903128258	393629.002	3614.9439432644085	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
114	338	249494	-296361.1413	101.481731370250766	36.6574497071389	-101.8513877	255375.917296938	393624.689	3605.30415752928	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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116	338	249496	-295041.1413	101.481731370250766	36.65748845643355	-101.8466987	255778.108275292	393616.603356594	3597.89904660316	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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119	338	249499	-293061.1413	101.481731370250766	36.65754849780807	-101.8396713	256381.30767135895	393604.2605489	3590.33024847406	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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123	338	249503	-290421.1413	101.481731370250766	36.6576289951882	-101.8303915	257190.404674257	393585.93693994	3630.30274249909	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
124	338	249504	-289761.1413	101.481731370250766	36.65764886179125	-101.8279588	257396.6374539183	393583.549697162	3635.075262406953	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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127	338	249507	-287781.1413	101.481731370250766	36.65770826709472	-101.8209313	257989.832185894	393571.15837195	3632.350278684858	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
128	338	249508	-287121.1413	101.481731370250766	36.65772797835791	-101.8185888	258190.89693470314	393567.028412903	3618.36287386673	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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130	338	249510	-285801.1413	101.481731370250766	36.65776740327146	-101.8139038	258593.025105113	393559.2800144331	3599.2800144331	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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133	338	249513	-283821.1413	101.481731370250766	36.6578258588736	-101.8068762	259196.2193877013	393546.3806102296	3599.60362160056	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
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137	338	249517	-281181.1413	101.481731370250766	36.65790384334567	-101.7970562	260000.4666258752	393529.869	3634.204971288846	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
138	338	249518	-280521.1413	101.481731370250766	36.65792260210252	-101.7951367	260201.5290090466	393525.743128995	3634.32655761061	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
139	338	249519	-279861.1413	101.481731370250766	36.65794181558745	-101.7928212	260402.5900025466	393521.613951147	3638.588877	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
140	338	249520	-279201.1413	101.481731370250766	36.65796098381954	-101.7904786	260603.6526777604	393517.464750383	3634.9376424854727	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
141	338	249521	-278541.1413	101.481731370250766	36.65798010798885	-101.7881361	260804.71399677623	393513.35970703	3631.2884080910553	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
142	338	249522	-277881.1413	101.481731370250766	36.65799945425253	-101.7857396	261005.77672098	393509.233042298	3627.630713969638	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
143	338	249523	-277221.1413	101.481731370250766	36.6580189436137	-101.7834915	261206.845484817	393505.288699361	3625.925625864328	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
144	338	249524	-276561.1413	101.481731370250766	36.65803720421931	-101.7811086	261407.8966838386	393500.90250956	3618.9517184247	3242.311927464078	3362.466601400266	3370.0547219749876	60.4589696719652	49.35522989
145	338	249525	-275901.1413	101.4817										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvLogKgr.ft	BRLEvLogKgr.ft	SatThkLog.ft	SatThkBoth.ft
227	338	249607	-221781.1413	1041817.310250766	36.59945338333946	-101.5866751	278085.1397945357	433193.5940033035	3487.6987372381495	3307.009420156767	3181.6712435358586	3198.7539022172546	3181.38717686209113	108.25551814882212
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229	338	249609	-220661.1413	1041817.310250766	36.59945338333946	-101.5861989	278487.2190878722	433151.090474861	3500.219853896643	3295.5738901707554	3181.0294173835856	3194.18973689366	3124.4445303945991	114.4549042308978
230	338	249610	-219801.1413	1041817.310250766	36.599500810114485	-101.5796473	278698.2603201716	433176.983451255	3506.6330770957310	3303.347597	3180.76332302031	3185.8961543413347	3177.445143454545	117.145413454545
231	338	249611	-219141.1413	1041817.310250766	36.5995158602033	-101.5773047	278899.3013237797	433142.487838053	3510.090482772284	3302.1711994541864	3180.015683676387	3182.22994110139	3172.105157757477	119.8872583527878
232	338	249612	-218481.1413	1041817.310250766	36.59953086503075	-101.574962	279100.3421729631	433138.3772	3510.7001671861033	3300.882375442417	3179.2412619671536	3181.66892482723	3121.641107770806	119.13134451577086
233	338	249613	-217821.1413	1041817.310250766	36.59954852460264	-101.5726194	279301.3807868645	433136.666261815	3511.30984799923	3299.643006	3177.758418454883	3181.2315356562515	3121.89033120975182	118.4236946898986
234	338	249614	-217161.1413	1041817.310250766	36.599560738918624	-101.5702768	279502.4230667215	433130.5006017665	3511.919518173047	3298.401665673013	3177.1259681498163	3177.090678	3121.2569747819689	121.30498813114309
235	338	249615	-216501.1413	1041817.310250766	36.599575697978774	-101.5678342	279703.4632701287	433126.26455	3511.4085278581517	3297.154957	3177.1469383625456	3174.78179863366	3120.00817965735474	114.4549042308978
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243	338	249623	-211221.1413	1041817.310250766	36.5996929124241	-101.5491932	281311.7765810748	433093.621368078	3489.37272910748	3286.8476116799166	3172.4265957941943	3172.1688349162164	3115.42101588572232	114.678767607012
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247	338	249627	-208581.1413	1041817.310250766	36.5997506073399	-101.5398226	282115.928199818	433077.20991302	3486.19427893155	3281.367189200409	3170.1403191699033	3170.1787326783838	3112.288703305574	111.8845652202526
248	338	249628	-207921.1413	1041817.310250766	36.59976479	-101.53748	282316.5654535924	433073.17026344	3485.5654297101814	3279.9686126406	3169.904168831074	3170.70472231207	3110.056047159251	109.257039368978
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250	338	249630	-206601.1413	1041817.310250766	36.59979321315628	-101.5327947	282719.035894567	433064.903741048	3478.3144302371033	3277.065211202503	3168.890520464545	3168.251061192549	3108.27540555583	108.87051000505807
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255	338	249635	-203301.1413	1041817.310250766	36.598634633896	-101.5210816	283734.22087067054	433044.3268939935	3469.66163876157	3269.819657541597	3165.743434160174	3163.623268989814	3103.8703116904331	105.7903826849899
256	338	249636	-202641.1413	1041817.310250766	36.59877440718037	-101.5187389	283925.26665825	433040.297017707	3466.14219858336	3267.9046817036	3164.78112131504	3162.73490148273	3103.502059553196	105.335130278509
257	338	249637	-201981.1413	1041817.310250766	36.598981277500634	-101.5163962	284126.2903413136	433036.30197	3463.18235914515	3266.5104384344443	3163.5014115386605	3165.598004855393	3103.0000145478382	109.9124597890496
258	338	249638	-201321.1413	1041817.310250766	36.5990510566663	-101.5140336	284327.3272475905	433032.097412928	3459.9427918514943	3265.37349902039	3161.9167643012397	3163.588916466553	3103.016986073062	111.3444884354579
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260	338	249640	-200001.1413	1041817.310250766	36.59933262622888	-101.5093863	284729.3970302416	433023.898132895	3455.281962177933	3261.74005308597	3157.9854579980156	3161.3473081762503	3102.7541317097365	114.6403713073925
261	338	249641	-199341.1413	1041817.310250766	36.5994831825504	-101.5070275	284930.43167174097	433019.79883314	3453.18648350094	3260.31696394579	3155.4816719935275	3163.980678876983	3104.640024395647	116.151085972567
262	338	249642	-198681.1413	1041817.310250766	36.599634633896	-101.504678	285131.465847841	433015.9077331	3451.12727482225	3258.51702867928	3154.53419878228	3163.9030712887067	3104.191355454595	115.52101781571537
263	338	249643	-198021.1413	1041817.310250766	36.5997635674732	-101.5023044	285325.33001	433011.608908985	3450.31138571835	3256.89748316794	3154.0556320489328	3163.2252850389633	3103.8418511281147	112.85178980417527
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265	338	249645	-196701.1413	1041817.310250766	36.600006004	-101.4976551	285734.56782022895	433003.40360627	3450.2759336075213	3253.64579	3140.7391027681033	3162.5624983295925	3102.90686862544	126.0834712349376
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267	338	249647	-195381.1413	1041817.310250766	36.60027522610999	-101.4929968	286179.3970302416	432993.898132895	3449.61490251011	3250.38417620177933	3135.741405308597	3162.47932274939137	3102.9437221455857	125.4804241739428
268	338	249648	-194721.1413	1041817.310250766	36.6004089629904	-101.4906271	286337.6671851005	432991.10218692	3448.776084551764	3250.31696394579	3155.4816719935275	3163.980678876983	3104.640024395647	116.151085972567
269	338	249649	-194061.1413	1041817.310250766	36.6005518256186	-101.4882918	286539.705278197	432987.623284987	3447.942819121237	3250.31696394579	3154.0556320489328	3163.2252850389633	3103.8418511281147	112.85178980417527
270	338	249650	-193401.1413	1041817.310250766	36.6006761367316	-101.485918	286739.7333040772	432982.915541611	3445.2984125519077	3249.4912475571047	3153.930			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
333	338	24733	-138621.1413	1014817.310250766	36.61001240787846	-101.2914988	303424.7359297917	439263.647328047	319.9234036769267	114.50436063671437	3049.799693079832	3049.236435481145	64.7040705916048	65.2678708989895
354	338	24734	-137961.1413	1014817.310250766	36.61002189130274	-101.2891561	303625.7517411489	439263.594604014	318.275448410463	3113.208769811256	3049.799693079832	3049.236435481145	64.7040705916048	65.2678708989895
355	338	24735	-137301.1413	1014817.310250766	36.6100313044668	-101.287154	303826.670092914	439263.5410917067	318.26947105776	3113.010471307375	3027.745027210406	3027.745027210406	63.861133973457	65.62931823717054
356	338	24736	-136641.1413	1014817.310250766	36.610040722735034	-101.2844706	304027.78277374306	439263.514240614	318.2684235452423	3044.814112536749	3042.408269813964	3042.408269813964	65.9208120696307	68.1900254215782
357	338	24737	-135981.1413	1014817.310250766	36.6100500702302	-101.2821279	304228.79802337894	439262.3731008235	318.2643256319657	3109.2967470256303	3041.288215666014	3037.629848333485	68.0085313633183	71.66689869214542
358	338	24738	-135321.1413	1014817.310250766	36.6100593741219	-101.2797852	304429.8130675345	439263.26005049	317.6204691195453	3107.9787258152414	3037.583269164394	3037.583269164394	70.3853295734756	75.7964659768753
359	338	24739	-134661.1413	1014817.310250766	36.61006862954256	-101.2774425	304630.8279204039	439263.19228861	316.6232727	3106.6517943671734	3033.90959893152	3025.93739148805	72.74219451402132	80.85841521383846
360	338	24740	-134001.1413	1014817.310250766	36.6100784141408	-101.2750998	304831.8425821962	439263.10688165	312.4661101449963	3015.5102598537308	3029.22556978313	3017.817522329348	74.3246991702248	87.4975306068038
361	338	24741	-133341.1413	1014817.310250766	36.6100870802673	-101.272757	305032.85705311666	439263.030346125	318.26947105776	3113.010471307375	3027.745027210406	3027.745027210406	72.228052083129	78.5689743
362	338	24742	-132681.1413	1014817.310250766	36.6100961239353	-101.2704143	305233.8713337115	439262.954275767	317.6204691195453	3107.9787258152414	3037.583269164394	3037.583269164394	70.3853295734756	75.7964659768753
363	338	24743	-132021.1413	1014817.310250766	36.61100521	-101.2680716	305434.8854	439262.876418682	310.77032603537	3011.2412913765872	3022.552109411871	2989.942834316782	76.88918196441791	111.2470079433417
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365	338	24745	-130701.1413	1014817.310250766	36.611232271888424	-101.2633862	305836.9133021392	439259.7427387017	301.33846352857814	3009.46280018956	3011.995637708697	79.78525473	86.2647703108622	97.4867703108622
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367	338	24747	-129381.1413	1014817.310250766	36.6114015726569	-101.2587707	306238.9398818674	439259.577274497	300.699569504338	3005.703506635057	3015.2905244884035	3014.960605127744	80.42126216452913	80.42126216452913
368	338	24748	-128721.1413	1014817.310250766	36.6114990706584	-101.256358	306439.953	439259.502526473	300.67195549407	3004.310187108035	3014.006789863284	3014.006789863284	80.30338047437514	80.30338047437514
369	338	24749	-128061.1413	1014817.310250766	36.61158711607015	-101.2540153	306640.956978167	439257.8402879563	300.72374215485234	3002.914371674028	3013.032484932178	3012.37470745745	78.98188674	83.906421674431
370	338	24750	-127401.1413	1014817.310250766	36.6116747089916	-101.2516725	306841.9787361616	439257.7433825954	300.780747546236	3001.5411905797903	3012.289624238944	3012.289624238944	80.236611992599	80.236611992599
371	338	24751	-126741.1413	1014817.310250766	36.6117648412264	-101.2493296	307042.991309668	439257.279801638	300.640095746998	3000.100000557198	3013.186875111977	3013.186875111977	80.454384384406	80.454384384406
372	338	24752	-126081.1413	1014817.310250766	36.6118485367635	-101.2469871	307244.003646255	439256.260060615	300.317351275592	3008.6973379791402	3011.342779540215	3007.622814111449	79.78525473	86.2647703108622
373	338	24753	-125421.1413	1014817.310250766	36.611934718137	-101.2446443	307445.015991554	439256.132	300.8934358919604	3007.2835471150133	3010.913678696576	3007.47952242996	76.36987924094588	79.80402748001737
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376	338	24756	-123441.1413	1014817.310250766	36.61219076140504	-101.2376162	308048.0514523355	439255.8191171196	300.393064162814	3003.043151	3008.27581545797	3005.28136442966	77.3745517801933	77.3745517801933
377	338	24757	-122781.1413	1014817.310250766	36.6122571861461	-101.2352734	308249.06297297	439255.705203548	300.895750230545	3008.83327218263	3008.9091984991996	3004.572305430298	77.27412871903617	77.0611217692731
378	338	24758	-122121.1413	1014817.310250766	36.6123591582404	-101.2329307	308450.07415495714	439255.578	300.7104539745516	3008.267498361107	3008.041040491159	3001.54128754827	79.185703449516	86.8724622871344
379	338	24759	-121461.1413	1014817.310250766	36.6124467774296	-101.230588	308651.0825241489	439255.376958576	300.7111030824624	3008.7824284	3006.5302375625406	3006.6295462501455	78.21245393074444	78.21245393074444
380	338	24760	-120801.1413	1014817.310250766	36.6125257446633	-101.2282452	308852.9608908243	439255.323897743	300.7120716914837	3007.426814593403	3004.863540545332	2999.7931494792238	76.536638360726	77.6336611381763
381	338	24761	-120141.1413	1014817.310250766	36.6126050797976	-101.2258025	309053.108695696	439255.225165936	300.52136559131	3004.8391362429486	3007.981927419458	3007.1217419186	81.88042750584272	81.88042750584272
382	338	24762	-119481.1413	1014817.310250766	36.6126850209916	-101.2235598	309255.1173589168	439255.140369255	300.516133185415	3004.751288243592	3009.102263185415	2999.012263185415	74.905344003186	73.6393957195589
383	338	24763	-118821.1413	1014817.310250766	36.612772298333	-101.221217	309455.1276397645	439255.0430939927	300.674286313471	3007.37673372721	2996.3480778820017	2998.004490596515	76.92849540971934	75.2724787620584
384	338	24764	-118161.1413	1014817.310250766	36.6128643873534	-101.2188743	309656.1377770597	439254.93385713	300.71103169370215	3007.91103169370215	2992.82640135745	2996.664475374473	76.92849540971934	75.2724787620584
385	338	24765	-117501.1413	1014817.310250766	36.61293429032476	-101.2165316	309857.1477293193	439254.83128	300.6466596	3007.5548516021884	2989.529623083167	2996.587053108095	81.02522852431275	73.9677068005898
386	338	24766	-116841.1413	1014817.310250766	36.6130146416812	-101.2141888	310058.151964451303	439254.719684416	300.675170468199	3009.207501583037	2986.5211818277903	2986.5211818277903	72.19248214514073	72.19248214514073
387	338	24767	-116181.1413	1014817.310250766	36.6130945	-101.2118461	310259.167	439254.612688121	300.6351309159034	3007.686820593108	2988.109864422095	2988.109864422095	80.4130313368589	79.7959666810623
388	338	24768	-115521.1413	1014817.310250766	36.61317398516587	-101.2095034	310464.1782172548	439254.510648015	300.52136559131	3004.8391362429486	3007.981927419458	3007.1217419186	81.88042750584272	81.88042750584272
389	338	24769	-114861.1413	1014817.310250766	36.6132591582404	-101.2071696	310661.1858814347	439254.40969566291	300.522466623526	3005.270702934715	2979.042868344212	2981.625361190035	78.3313938989922	83.6017107028852
390	338	24770	-114201.1413	1014817.310250766	36.613335121772	-101.2048179	310862.19470670702	439249.917	300.326434612816	3003.926052801395	2977.02089941041	2979.060109501367	86.434386192049	84.6591906
391	338	24771	-113541.1413	1014817.310250766	36.613409609567	-101.2024752	311063.206342914	439248.847452822	300.4406205707884	3002.64062746509	2975.39464958701	2976.370841404226	81.02522852431275	81.02522852431275
392	338	24772	-112881.1413	1014817.310250766	36.61348724536474	-101.2001324	311264.212203391	439248.78241828	300.4386514428163	3001.379056638289	2973.894749270423	2973.894749270423	81.02522852431275	81.02522852431275
393	338	24773	-112221.1413	1014817.310250766	36.61356438456786	-101.1977897	311465.2260752129	439248.709	300.4212403148437	3000.7112926708	2972.571813806395	2972.571813806395	81.02522852431275	81.02522852431275
394	338	24774	-111561.1413	1014817.310250766	36.61364115917865	-101.195447	311666.2286629345	439248.64500776	300.328519691173	3005.87447703303	2971.236366579134	2969.435775371934	81.02522852431275	81.02522852431275
395	338	24775	-110901.1413	1014817.310250766	36.6137210696871	-101.193269	311867.271068475	439248.573196871	300.23518692015	3004.751288243592	2970.84932944962	2970.84932944962	81.02522852431275	81.02522852431275
396	338	24776	-110241.1413	1014817.310250766	36.6138032621677	-101.191075	312068.244867701	439248.503698925	300.1456478119627	3004.6547823129407	2969.834033513156	2969.834033513156	81.02522852431275	81.02522852431275
397	338	24777	-109581.1413	1014817.310250766	36.6138836343925	-101.1884187	31226							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKft.	BRIElevBothKft.	SatHtLogs.	SatHtBoth.
47	ix	248859	-55461.14133	1014817.3170250766	39.66185890162811	-100.9963127	32875.128267755936	4392131.633031066	3900.7803705964005	2981.7319720459122	2881.5169927770664	2881.558393567649	67.2158792688476	67.1736148326302
480	ix	248860	-54801.14133	1014817.3170250766	39.66185462324356	-100.993899	32862.2759056191	4392132.573695058	3084.132785367139	2946.715687820385	2881.2140271763473	2881.233044844749	65.6059615569121	65.48635403765939
481	ix	248861	-54411.14133	1014817.3170250766	39.6618584177069	-100.9816723	32915.350968467	4392133.09698487	3977.4852306169767	2947.48269178367	2881.01063126293	2880.92700478763	63.8038992584587	63.8038992584587
482	ix	248862	-53481.14133	1014817.3170250766	39.66187017966705	-100.9892894	32935.2618644723	4392119.4846	3070.837615879235	2946.7304328256	2880.63587827585	2880.74076262031	60.2009476226043	60.0082647709454
483	ix	248863	-52821.14133	1014817.3170250766	39.6618652582176	-100.9869416	32955.2545947688	4392115.48079405	3068.1716613610	2940.75643036561	2880.415430586087	2880.465489802707	63.4040997675376	60.29094046295313
484	ix	248864	-52161.14133	1014817.3170250766	39.6618693525727	-100.984598	32975.26472	4392111.389912406	3048.54008157173	2938.799779193	2880.223407208208	2880.202081821926	65.50772550094475	58.5976978272633
485	ix	248865	-51501.14133	1014817.3170250766	39.6618720696196	-100.9822561	32995.2396595963	4392107.314737555	3076.855616068713	2880.1432346195356	2879.93246040626	2879.93246040626	65.51236897435674	56.9262154294314
486	ix	248866	-50841.14133	1014817.3170250766	39.66187641610627	-100.9799133	33015.8123719388104	4392103.29423449	3072.1166883072	2934.324446029647	2881.047552641387	2881.0313579759305	53.8499225855604	54.8007623734243
487	ix	248867	-50161.14133	1014817.3170250766	39.6618796796917	-100.977705	33059.22369348725	4392095.246781474	3068.48436944681	2933.01949458974	2880.3241211228225	2880.2671835497746	49.78513729743915	49.5843742819778
488	ix	248868	-49521.14133	1014817.3170250766	39.66188358613645	-100.9752278	33056.0125768326	4392095.195578215	3059.912256559813	2931.11969384101	2885.6120692232	2881.4652553095456	45.50771556126894	49.6537339539123
489	ix	248869	-48861.14133	1014817.3170250766	39.6618867197671	-100.972885	33061.2075807804	4392091.152502484	3051.33680195043	2929.23244	2888.09846133316	2881.4288237596083	41.13309743523744	47.80411890723147
490	ix	248670	-48201.14133	1014817.3170250766	39.6618900070138	-100.9750422	33062.19048848163	4392055.10705457	3042.7599018202345	2927.35734624447	2890.645908669893	2880.92176155523	61.74465893953045	46.9251583969531
491	ix	248671	-47541.14133	1014817.3170250766	39.66189328291596	-100.9681994	331163.1905	4392083.059136726	3038.287088640663	2925.4922790617056	2893.027190962782	2877.812695193692	32.4650809892384	47.68000945239565
492	ix	248672	-46881.14133	1014817.3170250766	39.66189652	-100.9658567	331364.1817	4392079.017296287	3040.716406527474	2923.6389862876044	2894.890517742327	2877.924914021261	28.7484685427232	50.7140722632164
493	ix	248673	-46221.14133	1014817.3170250766	39.66189971284756	-100.9635138	331565.1722947694	4392049.7467	3042.5481927619394	2921.797667309863	2886.7498623591068	2886.02952526281	26.0478485072775	55.76831204724034
494	ix	248674	-45561.14133	1014817.3170250766	39.6619028598564	-100.9617111	331766.16375045845	4392070.920002404	3044.178446875414	2919.867107781483	2895.05524702456	2895.528915045344	24.91134558927268	61.43775573613947
495	ix	248675	-44901.14133	1014817.3170250766	39.66190586168608	-100.9588283	331967.1545	4392066.875144621	3042.1742148354049	2918.1463389453243	2892.040736121812	2896.235734770413	28.10560623251072	60.0160471491144
496	ix	248676	-44241.14133	1014817.3170250766	39.6619109002	-100.9564856	332168.145102332	4392062.891771261	3039.534601765606	2916.3534093769738	2887.2387243002095	2886.2996207316186	29.90369346952875	60.0324073319141
497	ix	248677	-43581.14133	1014817.3170250766	39.66191202950516	-100.9541428	332369.13563463726	4392058.784518143	3035.894891457374	2914.5313988409088	2882.1745165494393	2857.03732784291	32.3564829314888	57.49404615669709
498	ix	248678	-42921.14133	1014817.3170250766	39.6619149552468	-100.9518	332570.125803739	4392054.739647268	3032.25537525951	2912.738100625508	2877.416530456068	2857.792612540202	35.170176999599	54.9454817530631
499	ix	248679	-42261.14133	1014817.3170250766	39.66191761628355	-100.9494573	33271.1159105165	4392050.69404621	3028.85646848714	2910.96271032576	2873.0657899024815	2885.275437174333	38.6683819401576	52.6763335145288
500	ix	248680	-41601.14133	1014817.3170250766	39.661920719178135	-100.9471145	332972.105545907	4392046.65020196	3027.548175964978	2909.167001	2869.104065358768	2886.3599251894466	40.0559457437152	50.8279719208632
501	ix	248681	-40941.14133	1014817.3170250766	39.66192392071881	-100.9448157	33315.3465235257	4392042.653743963	3025.623051571739	2907.4265671078913	2864.006915680943	2881.781546895441	38.181545895401	49.78513729743915
502	ix	248682	-40281.14133	1014817.3170250766	39.6619264059745	-100.9422489	333374.0854	4392038.561394369	3025.3818581142073	2905.590331645217	2862.23655665319	2855.7679433841	43.5533759879242	49.82953711235272
503	ix	248683	-39621.14133	1014817.3170250766	39.66192914671409	-100.9400862	333575.0761699047	4392034.518114113	2998.4741581290262	2903.7951407951136	2859.161113809114	2853.68023659884	40.1499241449996	50.88690122524958
504	ix	248684	-38961.14133	1014817.3170250766	39.66193184117015	-100.9377344	333776.0614158924	4392030.475	2994.7043213675	2901.992179642035	2856.47317038605	2852.54433396108	45.9109025732192	49.4474570592674
505	ix	248685	-38301.14133	1014817.3170250766	39.66193430436574	-100.9354006	333977.0533	4392026.4131390895	2990.1599011078615	2900.18447740309	2854.063566156377	2850.881699109883	46.1168804535728	49.29937796312606
506	ix	248686	-37641.14133	1014817.3170250766	39.66193709430088	-100.9330378	334178.042263771	4392017.39799387	2985.502758999368	2898.36984845874	2852.105592104094	2855.345192501474	46.23309271177974	48.0134924848267
507	ix	248687	-36981.14133	1014817.3170250766	39.661939625975356	-100.9307151	334379.031409771	4392013.545676718	2983.758175964978	2896.5241976717681	2850.184476	2850.184476	47.8789259410412	47.8789259410412
508	ix	248688	-36321.14133	1014817.3170250766	39.66194206789395	-100.9287372	334580.192897382	4392012.3027967	2984.920151065781	2894.290517608438	2849.29682749938	2849.29682749938	49.291001161476	46.4250878
509	ix	248689	-35661.14133	1014817.3170250766	39.66194463	-100.9260295	334781.0801886207	4392008.259269285	2982.048125481984	2892.8017131938414	2848.4071780815952	2847.523322122516	44.4098351122613	45.293691071328794
510	ix	248690	-35001.14133	1014817.3170250766	39.6619470457358	-100.9236867	334981.9965	4392006.212964299	2987.2481018981875	2890.743118838065	2847.583118027165	2847.0346254764913	43.9381935664172	43.9066847375159
511	ix	248691	-34341.14133	1014817.3170250766	39.661949435068294	-100.9213439	335182.9846956245	4392002.175899743	2985.22921066546	2889.497233000125	2846.81923388327	2846.291248112882	42.2304894171008	42.7584572174559
512	ix	248692	-33681.14133	1014817.3170250766	39.66195176744018	-100.9190012	335383.9270792833	4391998.13319319	2980.4271767867896	2887.141296141115	2846.035549346997	2845.483676669305	41.6755294718013	41.6755294718013
513	ix	248693	-33021.14133	1014817.3170250766	39.6619540545152	-100.9168584	335584.960634471	4391994.02365507	2974.8258942635007	2884.5190223359314	2844.5882488801718	2840.1236777905266	40.6286523705294	40.6286523705294
514	ix	248694	-32361.14133	1014817.3170250766	39.66195632971358	-100.9143156	335785.946523597	4391990.051047438	2973.62830274566	2883.29017574566	2844.006915680943	2844.006915680943	39.181545895401	39.181545895401
515	ix	248695	-31701.14133	1014817.3170250766	39.6619584829523	-100.9119758	335985.935793247	4391986.095962679	2972.165622768475	2882.304708269331	2842.790770256065	2842.790770256065	38.181545895401	38.181545895401
516	ix	248696	-31041.14133	1014817.3170250766	39.6619604432222	-100.9096301	336187.9237086513	4391981.969	2952.510752138957	2879.3189985136846	2841.237762345457	2840.43851348544	38.181545895401	38.181545895401
517	ix	248697	-30381.14133	1014817.3170250766	39.6619627509133	-100.9072873	336388.9103661315	4391977.928452698	2942.835814918034	2877.3170250766	2839.02112245334	2838.421675415535	38.22044042331666	38.89048029127086
518	ix	248698	-29721.14133	1014817.3170250766	39.661964811199844	-100.9049445	336589.89474810725	4391973.888040498	2941.013108530165	2875.28223049129	2836.26530084072	2835.13685804964	39.0134901055669	40.16833712738225
519	ix	248699	-29061.14133	1014817.3170250766	39.66196682674781	-100.9026017	336790.8843492478	4391969.87469483	2938.055395754633	2872.291248569277	2833.409017534774	2832.126042979458	39.82019732253149	41.0317187739794
520	ix	248690	-28401.14133	1014817.3170250766	39.66196877035196	-100.900259	336981.87109227468	4391965.80713207	2937.5190296574372	2871.1526903594343	2830.4714522993	2829.054062073667	40.68151608	41.94707716277585
521	ix	248691	-27741.14133	1014817.3170250766	39.6619702261984	-100.8981517	337183.9441047991	4391962.72893778	2936.42831247873	2870.42831247873	2829.054062073667	2829.054062073667	39.82019732253149	41.0317187739794
522	ix	248692	-27081.14133	1014817.3170250766	39.661971720182225	-100.8957374	337393.841047991	4391957.72893778	2935.24616217512	2866.93312060497	2823.090374504419	2822.22678447749	40.68151608	41.94707716277585
523	ix	248693	-26421.14133	1014817.3170250766	39.6619744633378									

ix	iy	ic	X	Y	Y.R	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.	BR/ElevBothKrg.	SurfBothKrg.	SatHBothKrg.
59	324985	2768.8586730335	141817.310250766	36.61697084354324	-0.0017011227	354075.18836118403	43191623.244618523	2858.2522387954987	273.0070406496385	2733.9653071231005	2733.9653071231005	0.042633527	0.091862054	0.091862054	
606	324986	2628.8586730335	141817.310250766	36.616968921718135	-0.00679979	354276.162765501	43191619.224246707	2873.1975303479365	2732.3638401021318	2732.4132963498746	2732.327320041331	0.051252688872195	0.051252688872195	0.051252688872195	
607	324987	2618.8586730335	141817.310250766	36.6169666433033	-0.00684974	354477.13695171195	43191618.1101181	2873.373116180873	2731.9235327425848	2730.766953810766	2730.6589762987517	0.158672985378315	0.158672985378315	0.158672985378315	
608	324988	2676.8586730335	141817.310250766	36.6169464168199	-0.00640044	354476.1096687803	43191611.18418441	2868.778996230007	2730.8320882080425	2728.158003532575	2728.715232835087	0.150568755684993	0.150568755684993	0.150568755684993	
609	324989	3038.8586730335	141817.310250766	36.6169268377305	-0.00617516	354879.0818322545	43191607.164432974	2864.184876401279	2729.7044227795113	2726.8027204671343	2726.83141133109	0.290170231276993	0.290170231276993	0.290170231276993	
610	324990	3099.8586730335	141817.310250766	36.616970607033	-0.00689048	355080.056538076	43191603.154002474	2859.590756211773	2728.543076	2726.813650512372	282.7709133109	0.345544231	0.345544231	0.345544231	
611	324991	3165.8586730335	141817.310250766	36.6169586321746	-0.00687066	355291.029754577	43191595.12796831	2860.3655622771867	2727.348629912366	2722.608477312304	2722.40667434553	0.471181030044	0.471181030044	0.471181030044	
612	324992	3213.8586730335	141817.310250766	36.6169564384283	-0.00647233	355482.00283116965	43191591.70678631	2866.505656371787	2726.1196254984633	2722.48592484222	2730.705073754243	0.5637706544117685	0.5637706544117685	0.5637706544117685	
613	324993	3297.8586730335	141817.310250766	36.616941955136917	-0.00623286	355692.8797699905	43191591.308	2872.6534730044177	2726.1765205434	2718.89718843978217	2718.9927456981817	0.9632918570123365	0.9632918570123365	0.9632918570123365	
614	324994	3326.8586730335	141817.310250766	36.61695195131989	-0.00600377	355883.9456947917	43191587.09453937	2879.737854730872	2725.55577078174	2718.3162975803186	2718.43508638343	0.52394110127495	0.52394110127495	0.52394110127495	
615	324995	3429.8586730335	141817.310250766	36.616949459	-0.00677849	356084.021230434	43191583.05112453	2882.465740730823	2722.2203456471298	2717.7340291641613	2718.0195077648177	0.8461642629505	0.8461642629505	0.8461642629505	
616	324996	3495.8586730335	141817.310250766	36.616947111174786	-0.00675352	356285.8937503304	43191579.03208165	2883.652628	2720.851184973236	2716.94659854572	2717.3253861658627	0.9456427530416	0.9456427530416	0.9456427530416	
617	324997	3561.8586730335	141817.310250766	36.61694479	-0.00673004	356486.86613750015	43191570.05156077	2884.841485852375	2719.491713843652	2716.214640721951	2715.1851831480083	0.3205699217012182	0.3205699217012182	0.3205699217012182	
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649	325029	5673.8586730335	141817.31025076												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatTbLogKrg.ft	SatTbBothKrg.ft
730	339	250111	110858.65867307335	1014817.3170250766	36.6617223084836	-100.4059347	797936.8964659589	4391118.464779935	2576.819182	2504.2417572343197	2503.700380824305	72.5774422158028	73.1161012159517
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25	339	250145	120961.3411	1015477.3170250766	36.56727286	-102.0598098	323682.1572540502	438194.6732272455	3554.554759211887	3524.778972372974	3484.282913144898	63.8875982437246	63.8875982437246
26	339	250146	120961.3411	1015477.3170250766	36.56729712456521	-102.0574585	323683.2145712056	438190.018198272	3551.2019428567	3522.155802172863	3484.221421495703	63.8875982437246	63.8875982437246
27	339	250147	120961.3411	1015477.3170250766	36.56732146425515	-102.055206	323684.3009603967	438186.96369359	3537.11565428177	3519.8328548947015	3484.221421495703	63.8875982437246	63.8875982437246
28	339	250148	120961.3411	1015477.3170250766	36.5673457154519	-102.0528636	323685.3940862947	438182.911589135	3530.071627801753	3517.14583345162	3484.28373262308	63.8875982437246	63.8875982437246
29	339	250149	120961.3411	1015477.3170250766	36.567369831551	-102.0505212	323686.4881815522	438178.358880133	3522.927803764547	3514.64011643547	3483.343674347957	63.8875982437246	63.8875982437246
30	339	250150	120961.3411	1015477.3170250766	36.5673904396373	-102.0481788	323687.5671774794	438174.20523789	3515.833925972084	3512.124113451466	3481.280435843333	63.8875982437246	63.8875982437246
31	339	250151	120961.3411	1015477.3170250766	36.567418140821264	-102.0458364	323688.66018507324	438170.33327266	3511.388709957987	3509.71063327081583	3477.68314724228	63.8875982437246	63.8875982437246
32	339	250152	120961.3411	1015477.3170250766	36.56744219673474	-102.0434398	323689.748335164	438165.90078473	3508.9520164808376	3507.9582052034734	3477.917126122608	63.8875982437246	63.8875982437246
33	339	250153	120961.3411	1015477.3170250766	36.56746712740301	-102.0413891	323690.8239350965	438161.596572043	3508.9962951737	3502.191462039531	3458.796141827332	63.8875982437246	63.8875982437246
34	339	250154	120961.3411	1015477.3170250766	36.56751403014214	-102.0364666	323691.912285888	438153.44819997	3507.486041448657	3499.787958	3451.035775328293	63.8875982437246	63.8875982437246
35	339	250155	120961.3411	1015477.3170250766	36.567537967384	-102.0341242	323692.98610342106	438149.29325781	3507.466769045485	3497.571956168147	3444.8065271961254	63.8875982437246	63.8875982437246
36	339	250156	120961.3411	1015477.3170250766	36.56756177961308	-102.0317818	323693.188971802214496	438145.14003934	3505.439396604937	3495.48225204724	3441.9296011959314	63.8875982437246	63.8875982437246
37	339	250157	120961.3411	1015477.3170250766	36.56758602503793	-102.0294393	323694.2718025814	438140.92434235	3503.61024416332	3493.4650980419733	3440.791063379304	63.8875982437246	63.8875982437246
38	339	250158	120961.3411	1015477.3170250766	36.5676096211304	-102.0274688	323695.3682244554	438136.28198714	3				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKgr.ft	BRELEVLogKgr.ft	SatHLogKgr.ft	SatHLogKgr.ft
117	339	250327	-294381.1413	1015477.3170250766	36.59932515871651	-101.8443823	559883.3174033527	49339813.78975909	3591.00816490777693	3411.3432273339682	3338.2151918683157	3373.462002	37.12808177	37.881271760028085
118	339	250328	-293721.1413	1015477.3170250766	36.59934172302191	-101.8420398	556184.3804371911	49339809.657232075	3588.294728	3410.460261050523	3338.450065563826	3364.3515725414886	37.00061954222611	46.10054356436366
119	339	250329	-293061.1413	1015477.3170250766	36.59936181985496	-101.8389672	556365.4295369848	49339805.52484643	3583.165225216777	3409.587281971773	3337.4092272656398	3357.4092272656398	46.592924238915	52.1760363769864
120	339	250330	-292401.1413	1015477.3170250766	36.599381915873134	-101.8373547	556586.516692325	49339801.39287907	3580.619642190482	3408.725122	3336.9192784219323	3356.7400311332085	46.80504431332085	51.98481131
121	339	250331	-291741.1413	1015477.3170250766	36.59940194418924	-101.8350121	556787.58264179682	49339797.126046395	3513.074059164414	3407.8753189134563	3354.9704094299586	3360.37399564262	46.90409349347904	47.501132329142426
122	339	250332	-291081.1413	1015477.3170250766	36.59942192771141	-101.8326696	556988.64835052198	49339793.191606296	3523.5284761384114	3407.043093114736	3364.703648896655	3367.6159348171612	46.932304304312035	39.4282304304312035
123	339	250333	-290421.1413	1015477.3170250766	36.59944186575058	-101.830327	557189.718930078	49339788.98	3528.27305943017917	3406.236839017917	3373.768281601137	3374.768281601137	46.9580230654726	31.4807118990252416
124	339	250334	-289761.1413	1015477.3170250766	36.59946175853638	-101.8279845	557390.7794835579	49339784.66696305	3530.370954717797	3405.442352515406	3372.094033935257	3372.278374386021	46.9833156682839	33.16397191355164
125	339	250335	-289101.1413	1015477.3170250766	36.59948166068812	-101.8256149	557591.8440378892	49339780.73605404	3534.342899	3404.698615614295	3363.7170086	3363.7170086	46.9997595129416	41.15807530210441
126	339	250336	-288441.1413	1015477.3170250766	36.59950140834779	-101.8232993	557792.90578803012	49339776.60593987	3537.377652969388	3403.915723	3355.270567780982	3355.270567780982	47.0460612	47.983200967812075
127	339	250337	-287781.1413	1015477.3170250766	36.599521165373306	-101.8209568	557993.9732916456	49339772.47054748	3525.84780236429	3350.116284279358	3349.825341714784	3350.06585565694325	47.0575821686706	53.7528521686706
128	339	250338	-287121.1413	1015477.3170250766	36.59954087714531	-101.8186142	558195.0375173391	49339768.274476976	3511.833405210357	3402.4683725158135	3345.0570848286443	3344.699545152947	47.07182778637405	53.798782710209358
129	339	250339	-286461.1413	1015477.3170250766	36.59956054363744	-101.8162177	558396.10160481153	49339764.214770658	3507.79228587347	3401.776053864565	3340.7363729897347	3340.479967370477	47.03980878398485	61.29614721751709
130	339	250340	-285801.1413	1015477.3170250766	36.59958016492806	-101.8139291	558597.1653999615	49339760.00502514	3583.751166534914	3401.1056921939363	3337.0156254057347	3336.74666290437	46.9009678203079	64.5702598432044
131	339	250341	-285141.1413	1015477.3170250766	36.59960094939848	-101.8115985	558798.22895647192	49339756.955811809	3581.951253542428	3400.45209793739	3335.3239587884045	3333.327366262844	46.933316319953346	97.875727246104572
132	339	250342	-284481.1413	1015477.3170250766	36.5996211985496	-101.8092618	559000.4295369848	49339752.48464096	3580.748354903618	3399.821476854456	3330.2157491408384	3330.943836621152	46.90572771	88.87764023330174
133	339	250343	-283821.1413	1015477.3170250766	36.59964675201286	-101.8069014	559200.353557881	49339747.69718411	3602.634834031471	3399.20362671798	3327.70006591681563	3327.82737262923	46.9272654363972	71.37889484953131
134	339	250344	-283161.1413	1015477.3170250766	36.59966819745144	-101.8045588	559418.98119884852	49339743.56835708	3612.996525785505	3398.60356236358	3323.80472012672	3323.80472012672	47.9456961	73.92135325429263
135	339	250345	-282501.1413	1015477.3170250766	36.5996975924477	-101.8022163	559602.4800844333	49339739.43770318	3620.682342180173	3398.009094565885	3320.609575	3320.676315450917	47.9403442661843	77.73454400249683
136	339	250346	-281841.1413	1015477.3170250766	36.5997266419302	-101.7998737	559803.5431727631	49339735.314132425	3625.725520086385	3397.4303823662062	3317.132998833508	3317.121223	46.9073833	80.2181409097051
137	339	250347	-281181.1413	1015477.3170250766	36.5997462667901	-101.7975311	600004.6053043882	49339731.18327488	3630.75763287394	3396.8597605183753	3313.319585173619	3313.0471984475232	83.539048508545183	83.539048508545183
138	339	250348	-280521.1413	1015477.3170250766	36.5997555091381	-101.7951885	600265.7619484876	49339727.10532691	3638.7597766664	3396.59567985769	3308.95017666737	3308.67533683304	83.4550023003195	87.42099461634875
139	339	250349	-279861.1413	1015477.3170250766	36.59977511985496	-101.7928417	600480.4295369848	49339723.48464096	3637.748354903618	3395.748354903618	3307.4117373280458	3307.4117373280458	83.4550023003195	92.775727246104572
140	339	250350	-279201.1413	1015477.3170250766	36.59979301	-101.7905034	600607.7907761277	49339718.80029785	3631.052881407211	3395.13740331167	3303.0524181562304	3304.003242078685	92.12198473658925	91.1703983
141	339	250351	-278541.1413	1015477.3170250766	36.59981301	-101.7881608	600808.851462741418	49339714.63	3626.2100838215195	3394.680038215195	3302.00228332407	3304.5324422087047	92.60780148911226	90.07559726128042
142	339	250352	-277881.1413	1015477.3170250766	36.59981209031395	-101.7858182	601009.9121184513	49339710.546127995	3621.38235080133	3394.035879142244	3301.411987469536	3304.536213981702	92.891604468781	89.497339232523
143	339	250353	-277221.1413	1015477.3170250766	36.59983112378195	-101.7834756	601210.9312514138	49339706.419389787	3616.761142102035	3393.44710260176	3300.196165947891	3304.571719206217	92.82587597	88.68757000808418
144	339	250354	-276561.1413	1015477.3170250766	36.59985011098889	-101.7811331	601412.0360262006	49339702.29828390	3612.352571529177	3392.8345728331883	3299.0480119662975	3305.002657341822	83.7307068590801	87.83281549033609
145	339	250355	-275901.1413	1015477.3170250766	36.59986953454528	-101.7782364	601613.0846181885	49339698.16607318	3608.70581096567	3391.898927016257	3298.624267979784	3305.141920456787	83.244774620915	92.775727246104572
146	339	250356	-275241.1413	1015477.3170250766	36.59988795064778	-101.7754477	601814.13585219548	49339694.04029431	3603.539665254638	3391.331741157889	3298.792349318	3305.41316052079	83.244774620915	86.11672463719107
147	339	250357	-274581.1413	1015477.3170250766	36.59990805205953	-101.7741053	602015.21362429362	49339689.9147997	3600.842832589153	3390.826912147618	3298.462736474806	3304.2741193195225	83.6477567	86.5527928209353
148	339	250358	-273921.1413	1015477.3170250766	36.59992560928979	-101.7717627	602216.2731616075	49339685.78916783	3602.9042372259157	3390.081684603227	3294.30138190591583	3301.5249563805196	86.7777940116443	88.5566620780212
149	339	250359	-273261.1413	1015477.3170250766	36.59994330772941	-101.7694201	602417.3324643632	49339681.63687166	3600.178818626705	3389.2944773347674	3293.7612831580095	3298.4972696301	85.533491376691	90.7972008248752
150	339	250360	-272601.1413	1015477.3170250766	36.5999630691466	-101.7670775	602618.39153217174	49339679.33697614	3612.31728649976	3388.46373912836	3292.1185488168476	3297.19514063058	86.742505909368	91.2711387
151	339	250361	-271941.1413	1015477.3170250766	36.59998157845555	-101.764735	602819.4503695193	49339675.341309561	3610.97287218335	3387.6005653080794	3290.409102251406	3297.1747801632903	97.1914627865758	91.82578467505907
152	339	250362	-271281.1413	1015477.3170250766	36.59999953353123	-101.7623841	603020.508971586	49339671.250215251	3618.748740103997	3386.70581096567	3288.4267979784	3296.782312192224	92.775727246104572	92.775727246104572
153	339	250363	-270621.1413	1015477.3170250766	36.60001896	-101.7600498	603221.5627163263	49339665.147628326	3616.90229104035	3385.7704596137326	3286.9586261546	3293.0547748217684	90.934522512794	92.756848
154	339	250364	-269961.1413	1015477.3170250766	36.600037499111695	-101.7577072	603422.6456459025	49339661.00431581	3618.234971621504	3384.8143779118673	3284.820397127998	3290.2646394106	99.993807836912	94.5519130776669
155	339	250365	-269301.1413	1015477.3170250766	36.6000598902476	-101.7553646	603623.6833662073	49339656.61565804	3616.636331409996	3382.768374625876	3289.066272136336	3291.0679347941787	94.94719813663227	94.94719813663227
156	339	250366	-268641.1413	1015477.3170250766	36.6000744368326	-101.753002	603824.74103268294	49339652.79325358	3612.1582398144056	3382.839402436885	3280.61496349234	3285.48050394043	102.17790068765108	95.9593434248199
157	339	250367	-267981.1413	1015477.3170250766	36.60009338072726	-101.7506794	604025.7946623236	49339648.69933472	3607.6933684304	3381.82520638816	3278.258536427663	3282.843347	103.5666991599	98.89185984
158	339	250368	-267321.1413	1015477.3170250766	36.6001118727655	-101.7483136	604226.8556677929	49339644.546664216	3603.22797917819	3380.76834348867	3278.526904711624	3280.113089817524	104.9636313706304	100.68317403116544
159	339	250369	-266661.1413	1015477.3170250766	36.60013093353123	-101.7459618	604427.9129432544	49339640.4029431	3601.331741157889	3379.824267979784	3277.4117373280458	3277.4117373280458	104.9636313706304	101.7328081598
160	339	250370	-266001.1413	1015477.3170250766	36.60014757978029	-101.7436516	604628.956796173263	49339636.15021534	3600.790459647296	3378.702584867296				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThKgr.ft	SatThBoth.ft
243	339	250363	-211221.1413	1015477.3170250766	39.66150580875412	-101.5492119	281133.8892081209	4393294.9121478945	3917.01225972559	3268.039620488433	3172.0117462370625	3170.1574325376378	114.02784781475043	115.88218749699515
244	339	250364	-210561.1413	1015477.3170250766	39.66152034262916	-101.5498862	281516.92716662306	4393290.26872854	3490.842655650525	3284.69675897243	3171.322113815104	3171.899557917167	113.3746467423906	112.7972007
245	339	250365	-209901.1413	1015477.3170250766	39.66153475916749	-101.5512695	281717.961	4393286.1054373961	3408.613305157485	3274.339648278146	3170.2103811100194	3171.18719819657	112.13378171881286	111.76738795900
246	339	250366	-209241.1413	1015477.3170250766	39.66154913317547	-101.542138	281919.025	4393282.60253788	3409.384345	3281.9673611503267	3170.9623230252542	3172.78240235641	111.0050372177725	110.6806284797033
247	339	250367	-208681.1413	1015477.3170250766	39.661563457732036	-101.5398411	282120.0396542223	4393278.499850186	3488.825643217478	3280.579677	3170.8406743055984	3171.043394300502	109.73900281640135	109.53573282149955
248	339	250368	-207921.1413	1015477.3170250766	39.6615753777383114	-101.5374984	282321.0749548528	4393274.3937324505	3485.937237452405	3279.176096186273	3170.7411009874384	3169.459548842556	108.43499548842556	108.8675028324055
249	339	250369	-207261.1413	1015477.3170250766	39.66159169477275	-101.5351557	282522.113841528	4393270.29058518	3483.0487579022465	3276.76638045111	3170.175142747753	3169.854784789242	107.58120495375803	107.87075197258673
250	339	250370	-206601.1413	1015477.3170250766	39.66160616525682	-101.532813	282723.1505144634	4393266.139104332	3480.160315	3276.3202903947054	3170.165835830965	3169.54749874574027	106.7545456374027	106.777194689107
251	339	250371	-205941.1413	1015477.3170250766	39.66162031083395	-101.529679	282924.167	4393262.91241943	3477.4225116463847	3274.867921801515	3170.117791769606	3169.18971716454384	104.75913003196247	104.8716348560747
252	339	250372	-205281.1413	1015477.3170250766	39.66163441062539	-101.5281726	283125.2221919436	4393257.98956594	3474.844344	3273.99356575383	3170.0849580435913	3167.5662029	103.31445653297914	103.8333635157305
253	339	250373	-204621.1413	1015477.3170250766	39.66164845646376	-101.5257489	283326.25952524496	4393253.888	3472.263177568335	3271.914669818523	3169.70382038623	3169.39982898833	102.2101418025953	102.5150409258976
254	339	250374	-203961.1413	1015477.3170250766	39.661662475031753	-101.5234422	283527.2590728546	4393249.787205335	3469.682101295761	3270.147949154267	3169.052956103165	3164.863393869696	101.36718390511015	103.55045497202101
255	339	250375	-203301.1413	1015477.3170250766	39.66167649331365	-101.5210995	283728.3306801501	4393245.868	3466.7427271152	3268.894561356903	3168.4274047598724	3164.907653309698	100.36120517581795	103.99189046792317
256	339	250376	-202641.1413	1015477.3170250766	39.66169036	-101.5187568	283929.360749347	4393241.586796338	3463.445461005892	3267.380026603361	3167.3654232339723	3168.517611205194	100.0260363928169	104.8206748284155
257	339	250377	-201981.1413	1015477.3170250766	39.66170423215283	-101.5164141	284130.4012574173	4393237.485242419	3460.18414983696	3265.8196387526555	3166.153134006698	3169.24237152271089	99.6650474296739	106.5074834815864
258	339	250378	-201321.1413	1015477.3170250766	39.6617180065582	-101.5140714	284331.4362778034	4393233.305484986	3458.830386946628	3264.25480219218	3164.8472265386405	3165.29716733312	99.4076936417751	109.0240223948674
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260	339	250380	-200001.1413	1015477.3170250766	39.661745581928514	-101.509396	284733.5055311106	4393225.185397451	3451.858385373968	3261.05983532654	3161.5522880250564	3164.9248448447047	99.530954500514	114.1611386879446
261	339	250381	-199341.1413	1015477.3170250766	39.66175927467816	-101.5070433	284934.538684448	4393221.085850569	3449.59683020593	3259.49017597913	3159.421599582658	3144.031104754366	100.06841807132469	115.47789128434923
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263	339	250383	-198021.1413	1015477.3170250766	39.66178654043915	-101.5023579	285336.6079055023	4393212.8873811	3446.67987296338	3256.280192959445	3153.6798614140553	3163.06800023275	102.6003314539042	119.4767249537077
264	339	250384	-197361.1413	1015477.3170250766	39.66180008137995	-101.5000152	285537.601701673915	4393208.78672543	3447.5728901706235	3254.668022103447	3149.99362603506	3158.324711144306	102.473430359367	126.3431059867856
265	339	250385	-196701.1413	1015477.3170250766	39.66181373309812	-101.497679	285738.690399122	4393204.969144411	3446.8458215972878	3253.18267187516	3148.8218751645285	3154.187182715568	102.473430359367	126.3431059867856
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269	339	250389	-194061.1413	1015477.3170250766	39.6618676739093	-101.4883017	286542.806626487	4393188.298123438	3431.316579604888135	3246.5694067888135	3129.9508324648555	314.349730393315	116.6183232641792	105.763785143682
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271	339	250391	-192741.1413	1015477.3170250766	39.66189371289181	-101.483616	286944.7163385054	4393180.10349474	3431.961806746594	3243.331571637323	3124.3119851325967	3130.540252765403	116.936318667589	126.8476280172343
272	339	250392	-192081.1413	1015477.3170250766	39.66190697010751	-101.4817235	287145.903552146	4393177.805025145	3430.7180930415248	3241.7180491350106	3122.737447178701	3122.737447178701	117.4495851398796	112.4405139389796
273	339	250393	-191421.1413	1015477.3170250766	39.66192005755503	-101.4798308	287346.9354272131	4393171.909781758	3399.574213189564	3240.1100716013575	3119.8571338386673	3128.726478	120.2503776269918	111.3835496374743
274	339	250394	-190761.1413	1015477.3170250766	39.6619331650756	-101.4765881	287547.9670770962	4393167.813278764	3397.27749595641	3238.5084222407696	3117.217185026821	3129.184969907384	109.85736871394874	109.348525003135
275	339	250395	-190101.1413	1015477.3170250766	39.66194624108828	-101.4742544	287748.998473358	4393163.710006195	3396.2004582	3236.9140439531743	3115.128928631845	3130.9125033329164	121.78511532132916	109.1540619429274
276	339	250396	-189441.1413	1015477.3170250766	39.661959234967625	-101.4719026	287950.029612909	4393159.620572245	3391.728420060437	3235.327412763887	3112.059753063104	3130.41410623174543	100.91719134861496	109.91719134861496
277	339	250397	-188781.1413	1015477.3170250766	39.6619723588746	-101.4695599	288151.06040116041	4393155.25135058	3384.452257521297	3233.749571740222	3108.437076817228	3131.4224115929204	95.32640244861796	95.32640244861796
278	339	250398	-188121.1413	1015477.3170250766	39.66198512695162	-101.4673712	288352.1014172684	4393151.429471544	3381.517026501845	3232.178208719365	3104.3192497190303	3127.754217550588	98.4762801723453	98.4762801723453
279	339	250399	-187461.1413	1015477.3170250766	39.66199801	-101.4647485	288553.1219757527	4393147.34190438	3384.9261639452494	3230.613498410248	3100.5745881850613	3124.961162	100.0391980575878	100.0391980575878
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281	339	250401	-186141.1413	1015477.3170250766	39.66202362549047	-101.460189	288955.182482514	4393139.144	3380.47861813219	3227.5069358428736	3096.365074607655	3121.9149050625	131.1418613351825	96.79454228881245
282	339	250402	-185481.1413	1015477.3170250766	39.66203636782009	-101.4578463	289156.21242417383	4393135.049500808	3380.25530217062	3225.966059302088	3096.8219174902115	3129.246313004837	129.14441418289127	96.79454228881245
283	339	250403	-184821.1413	1015477.3170250766	39.66204960489133	-101.4555036	289357.2421591151	4393131.059053698	3380.356771047874	3224.4338462916703	3098.784016914497	3125.127641777735	99.3068051	99.3068051
284	339	250404	-184161.1413	1015477.3170250766	39.66206271541456	-101.4531609	289580.321687196	4393126.860567489	3384.7333925953426	3222.914040151332	3101.74463042391	3121.667484299483	101.10853271184913	101.10853271184913
285	339	250405	-183501.1413	1015477.3170250766	39.66207594704164	-101.450921	289789.344984184	4393122.696198414	3383.5616379654	3221.78208719365	3104.6176929719863	3124.94398719863	100.0391980575878	100.0391980575878
286	339	250406	-182841.1413	1015477.3170250766	39.66208884576541	-101.4484754	289960.33012450126	4393118.6173						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBotKgr.f	SzTfthKgr.f	SzTfthBot.f
369	339	254089	-128061.1413	1015477.3170250766	36.626971889960384	-101.2540266	306645.0480175158	43927.79.693800132	3095.0664023450035	3092.01658236548283	3011.743449429791	3011.743436309891	80.27313312	80.43427623839216
370	339	254090	-127401.1413	1015477.3170250766	36.626980455949688	-101.2513683	306846.06563760415	43927.75.61936025	3093.862124126186	3090.6172813343624	3011.743449429791	3011.743449429791	80.27313312	80.43427623839216
371	339	254091	-126741.1413	1015477.3170250766	36.626990122716784	-101.248915	307047.07668989864	43927.71.545137408	3092.355614910697	3089.216821688798	3010.8519240572419	3010.8519240572419	80.27313312	80.43427623839216
372	339	254092	-126081.1413	1015477.3170250766	36.6269979841704644	-101.2469892	307248.085	43927.67.4171262685	3090.5429637860295	3087.761473023943	3010.755061777404	3010.755061777404	80.27313312	80.43427623839216
373	339	254093	-125421.1413	1015477.3170250766	36.63006047	-101.2446555	307409.096658659	43927.63.397424604	3086.37632665928	3086.367269114113	3010.615306637653	3010.615306637653	80.27313312	80.43427623839216
374	339	254094	-124761.1413	1015477.3170250766	36.6301540390397	-101.2423127	307650.10883189715	43927.59.332000383	3086.9177215435884	3086.9470220031358	3009.917320304344	3009.917320304344	80.27313312	80.43427623839216
375	339	254095	-124011.1413	1015477.3170250766	36.6302367171107	-101.2399699	307851.1204102663	43927.55.256067639	3088.055555022723	3083.5264671048393	3008.833684700823	3008.833684700823	80.27313312	80.43427623839216
376	339	254096	-123441.1413	1015477.3170250766	36.63032307	-101.2376271	308052.131800382	43927.51.175444338	3089.0571545422004	3082.106474980175	3008.647609720577	3008.647609720577	80.27313312	80.43427623839216
377	339	254097	-122781.1413	1015477.3170250766	36.630405301545	-101.2352545	308253.1430017084	43927.47.107109493	3089.087655821158	3080.8765892901287	3008.474288113354	3008.474288113354	80.27313312	80.43427623839216
378	339	254098	-122121.1413	1015477.3170250766	36.6304890517063	-101.2329415	308454.1504185975	43927.43.032	3093.11612520957	3079.2714495197884	3008.050118443585	3008.050118443585	80.27313312	80.43427623839216
379	339	254099	-121461.1413	1015477.3170250766	36.630557323652	-101.2305987	308655.16486468563	43927.39.959731072	3011.68825821825	3007.1339927571033	3007.1339927571033	3007.1339927571033	80.27313312	80.43427623839216
380	339	255000	-120801.1413	1015477.3170250766	36.6305556424206	-101.2282558	308856.175481931	43927.34.88565492	3076.1890513374024	3076.491459144491	3006.97097434821	3006.97097434821	80.27313312	80.43427623839216
381	339	255001	-120141.1413	1015477.3170250766	36.63073825887224	-101.2259132	309057.185942739	43927.30.816678314	3071.9078175145074	3069.057034261503	3006.068102905666	3006.068102905666	80.27313312	80.43427623839216
382	339	255002	-119481.1413	1015477.3170250766	36.63082042272016	-101.2235704	309258.1962108173	43927.26.73482634	3071.04175857007436	3073.647364566163	3002.35402730049	3002.35402730049	80.27313312	80.43427623839216
383	339	255003	-118821.1413	1015477.3170250766	36.63090231396416	-101.2212276	309459.2062592591	43927.22.67512167	3071.04175857007436	3073.647364566163	3002.35402730049	3002.35402730049	80.27313312	80.43427623839216
384	339	255004	-118161.1413	1015477.3170250766	36.6309833926038	-101.218848	309660.216181169	43927.18.01	3071.04175857007436	3073.647364566163	3002.35402730049	3002.35402730049	80.27313312	80.43427623839216
385	339	255005	-117501.1413	1015477.3170250766	36.63106419863944	-101.216542	309861.225897782	43927.14.530298537	3071.04175857007436	3073.647364566163	3002.35402730049	3002.35402730049	80.27313312	80.43427623839216
386	339	255006	-116841.1413	1015477.3170250766	36.6311445520706	-101.2141992	301062.23542174266	43927.10.519452981	3068.1396793231315	3068.6201340190514	2991.28339968254	2991.28339968254	80.27313312	80.43427623839216
387	339	255007	-116181.1413	1015477.3170250766	36.6312245289716	-101.2118564	310263.2447601928	43927.06.388893892	3068.1396793231315	3068.6201340190514	2991.28339968254	2991.28339968254	80.27313312	80.43427623839216
388	339	255008	-115521.1413	1015477.3170250766	36.63123003911895	-101.2095136	310464.25391334225	43927.02.13678835	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
389	339	255009	-114861.1413	1015477.3170250766	36.631382987938	-101.2071708	310656.262881973	43926.98.249	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
390	339	255010	-114201.1413	1015477.3170250766	36.6314614391476	-101.204828	310866.2176456426	43926.94.17845759	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
391	339	255011	-113541.1413	1015477.3170250766	36.6315985678769	-101.202488	311279.32738716466	43926.90.6966666	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
392	339	255012	-112881.1413	1015477.3170250766	36.631671716557	-101.2001424	311268.2887705644	43926.86.03729989	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
393	339	255013	-112221.1413	1015477.3170250766	36.631694353115	-101.1977996	311469.29696793	43926.81.97056017	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
394	339	255014	-111561.1413	1015477.3170250766	36.63177010857415	-101.1954568	311670.3049524677	43926.77.01631455	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
395	339	255015	-110901.1413	1015477.3170250766	36.63184736572596	-101.193114	311871.3128	43926.73.83262134	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
396	339	255016	-110241.1413	1015477.3170250766	36.63192319310478	-101.1907172	312072.3204948569	43926.69.74450099	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
397	339	255017	-109581.1413	1015477.3170250766	36.63201985678769	-101.1884284	312279.32738716466	43926.65.96666	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
398	339	255018	-108921.1413	1015477.3170250766	36.6320933926038	-101.1860584	312474.335825147	43926.62.185851	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
399	339	255019	-108261.1413	1015477.3170250766	36.6321479596062	-101.1837428	312675.3424	43926.57.56037618	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
400	339	255020	-107601.1413	1015477.3170250766	36.6322219765559	-101.1814	312876.349372702	43926.53.42938642	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
401	339	255021	-106941.1413	1015477.3170250766	36.6322955490024	-101.1790572	313077.3561356933	43926.48.45208098	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
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403	339	255023	-105621.1413	1015477.3170250766	36.632324413	-101.1743716	313479.3961	43926.41.29315417	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
404	339	255024	-104961.1413	1015477.3170250766	36.6323518183006	-101.1720288	313690.253910089	43926.37.22489592	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
405	339	255025	-104301.1413	1015477.3170250766	36.6323857227189	-101.169686	313881.38136557089	43926.33.158482251	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
406	339	255026	-103641.1413	1015477.3170250766	36.63236557353016	-101.1673432	314082.3872185538	43926.29.0296917	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
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408	339	255028	-102321.1413	1015477.3170250766	36.632378183298	-101.1626576	314484.398305559	43926.20.96182873	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
409	339	255029	-101681.1413	1015477.3170250766	36.6328677618179	-101.1603148	314885.4038999395	43926.16.895122943	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
410	339	255030	-101001.1413	1015477.3170250766	36.6329075269796	-101.157924	314886.4088186643	43926.12.829595339	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
411	339	255031	-100341.1413	1015477.3170250766	36.6329317304043	-101.1552864	315093.4387769738	43926.08.45465048	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
412	339	255032	-99681.1413	1015477.3170250766	36.6329784786343	-101.1532984	315288.418354279	43926.04.70009088	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
413	339	255033	-99021.1413	1015477.3170250766	36.6331430906006	-101.1509436	315489.4231221394	43926.00.63403164	3065.427780592328	3065.427780592328	2983.04933	2983.04933	80.27313312	80.43427623839216
414	339	255034	-98361.1413	1015477.3170250766	36.6332106901372	-101.1486008	315690.427529742	43925.96.51709855	3065.427780592328					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogs.fg	BRElevBoth.fg	Sat33Elev.fg	Surf33Both.fg
496	339	250615	-44901.14133	1015477.317025076	36.66371896833211	-00.9588323	331971.2060883172	4322628.118901457	3048.358002717771	2717.238460263434	2889.0053034855173	2861.2066857969915	28.23315677191652	56.0317746474226
496	339	250616	-44241.14133	1015477.317025076	36.66372202451035	-00.9564849	332172.19644170586	4322624.07312027	3044.805734012097	2715.418599112574	2883.811494135757	2858.425913818778	31.80680475500277	56.99552364379255
497	339	250617	-43581.14133	1015477.317025076	36.66372535930968	-00.95641467	332323.1866322495	4322930.027861034	3023.242071364849	2713.603834667115	2870.0215719883915	2852.3632971914985	34.58978477332791	56.2554373329367
498	339	250618	-42201.14133	1015477.317025076	36.66372802043033	-00.9561803	332574.1766015843	4322555.982819147	3011.60058085077	2711.80080607853	2874.655991654005	2857.1963954581076	37.14204762176295	54.1611135
499	339	250619	-42261.14133	1015477.317025076	36.663730923237914	-00.949461	332775.1665262681	4322551.937913415	3031.917554072707	2710.015740901442	2873.835592951197	2857.680988443736	38.180111950244736	52.61576005670613
500	339	250620	-41601.14133	1015477.317025076	36.663733788120256	-00.9471182	332976.1562288711	4322541.9837236269	3023.924916351466	2708.224700024305	2867.351912387452	2857.68203841269	40.5427616583036	50.5427616583036
501	339	250621	-40941.14133	1015477.317025076	36.66373662912095	-00.9447753	333177.1457700918	4322433.48791322	3015.932277889505	2706.4230950528975	2864.1438588282352	2857.68309528975	42.2882362147503	48.748504760071125
502	339	250622	-40021.14133	1015477.317025076	36.66373941717134	-00.9424325	333378.135249141	432239.805	3007.939641440344	2704.636968861303	2861.343891055027	2856.149032031081	43.2973780627596	48.4960383022224
503	339	250623	-3961.14133	1015477.317025076	36.66374215385958	-00.9400897	333579.1246721026	4322368.76358824	3002.240100426849	2702.70654338924	2858.5822309130657	2851.889556217998	42.25410052519575	56.2554373329367
504	339	250624	-38961.14133	1015477.317025076	36.663744848434	-00.9377485	333780.1135236044	432231.7181774	2996.83396576384	2701.029830282595	2856.096476	2850.933556142293	44.9321539672594	50.0497174044281
505	339	250625	-38011.14133	1015477.317025076	36.6637479774834	-00.9355404	333981.1004188046	432227.67323882	2995.427225438373	2699.211970171917	2853.845634	2850.904250424693	45.36323669413732	48.748504760071125
506	339	250626	-37641.14133	1015477.317025076	36.66375017015063	-00.9330612	334182.09115031364	432223.69789582	2991.70279234431	2697.384579657357	2851.9260212794047	2850.5314687018213	45.45855859973955	46.853111735741
507	339	250627	-36981.14133	1015477.317025076	36.66375260491234	-00.9307183	334383.0797264334	432219.586801537	2991.2017268522977	2691.381862840045	2850.381862840045	2849.1375681040025	46.71723024508853	48.748504760071125
508	339	250628	-36321.14133	1015477.317025076	36.66375517939166	-00.9283755	334584.0681	432211.54005284	2992.073003217499	2693.69283772013	2848.90626724989	2848.9673683687	47.1127215119249	45.80556544034245
509	339	250629	-35681.14133	1015477.317025076	36.663757642187385	-00.9260327	334786.056917447	432207.154040461	2994.7384	2691.828951425916	2847.725020234024	2846.86735593347	44.10162498918265	44.87415954021653
510	339	250630	-35001.14133	1015477.317025076	36.66376005114293	-00.9236989	334986.044640471	432207.459040461	2996.50654594	2689.946292144876	2846.53353877983	2846.045084018507	43.90120233087	44.87415954021653
511	339	250631	-34341.14133	1015477.317025076	36.66376248236735	-00.921347	335187.0324163824	432203.41687915	2994.5834871822096	2688.90504644656	2845.609494661233	2845.170316290981	42.930700034228	42.87930176183442
512	339	250632	-33681.14133	1015477.317025076	36.66376475756884	-00.9190042	335388.201889705	432199.3914741369	2998.968983256432	2686.131835993134	2844.530376266905	2844.1291671757594	41.6086073026458	42.0802184157692
513	339	250633	-33021.14133	1015477.317025076	36.663767062463924	-00.9166613	335589.007802005	432195.332324286	2998.354283980394	2684.260739638674	2843.406609913593	2842.886867853546	40.8002295451452	41.31975173327774
514	339	250634	-32361.14133	1015477.317025076	36.6637693	-00.9143185	335789.9952569635	432191.291754456	2997.739685450484	2682.257767	2842.1758487393354	2842.5235555986	40.082282937481	40.73235437760413
515	339	250635	-31701.14133	1015477.317025076	36.6637715099483	-00.9119757	335990.985052025	432187.25050494	2990.444013720658	2680.289344988487	2840.78301050632	2839.9627600534	39.5070130105632	40.326829935005
516	339	250636	-31041.14133	1015477.317025076	36.66377352300044	-00.9096328	336191.965859717	432183.126048772	2985.4561848776	2678.305868861394	2838.083523187354	2838.083523187354	39.5070130105632	40.326829935005
517	339	250637	-30381.14133	1015477.317025076	36.6637755369781	-00.9073219	336393.9810741314	432179.8610741314	2980.47168629584	2676.41848629584	2836.02454076947	2836.02454076947	39.5070130105632	40.326829935005
518	339	250638	-29721.14133	1015477.317025076	36.66377819356226	-00.9049471	336593.9438114224	432175.12813134	2974.457919849846	2674.258772	2834.0771024531	2832.4251582491	40.1806171924915	41.82305217688036
519	339	250639	-29061.14133	1015477.317025076	36.66378194365275	-00.9026043	336794.9301412046	432171.078756985	2968.964017116223	2672.3946017116223	2831.368150318075	2830.24218211557	40.83060482	41.9620671224734
520	339	250640	-28401.14133	1015477.317025076	36.6637818053034	-00.9002615	336995.916631584	432163.07476508	2962.937491318883	2670.12789691301	2828.2814200087128	2827.218375416785	41.8464767380829	42.90502970730257
521	339	250641	-27741.14133	1015477.317025076	36.66378373038008	-00.8979186	337196.90288721043	432159.0776558	2958.9859531555	2668.031792568249	2825.4719443171994	2824.1041338194	41.559848251049516	43.172322035408
522	339	250642	-27081.14133	1015477.317025076	36.66378561	-00.8955798	337397.881735658	432151.58148289	2949.9698040222	2665.91419379479	2822.28041076503	2820.99268477703	43.6300859438591	44.92773811077574
523	339	250643	-26421.14133	1015477.317025076	36.6637876447804	-00.89323	337598.875024313	432143.3988718322	2948.339854781442	2663.777897711442	2819.883213104375	2817.6077977442	43.6300859438591	44.92773811077574
524	339	250644	-25761.14133	1015477.317025076	36.6637894303906	-00.8909897	337799.8610741314	432139.508925226	2945.016895226	2661.61841170837	2817.405239653727	2815.405239653727	43.6300859438591	44.92773811077574
525	339	250645	-25001.14133	1015477.317025076	36.6637909780654	-00.8885473	338000.846785155	432134.850533921	2940.6933392136	2659.43703861133	2812.013411689607	2811.222481505274	47.4323271739367	48.21455745633921
526	339	250646	-24411.14133	1015477.317025076	36.66379267683622	-00.8862045	338201.8323641471	432124.481184209	2937.234003232131	2656.799663834013	2808.77964334013	2808.77964334013	48.43433489	48.56530176476383
527	339	250647	-23781.14133	1015477.317025076	36.66379433034218	-00.8838616	338402.817741106	432120.737302314	2936.370992427288	2655.7067567158778	2806.039521710069	2805.682786	48.9702350058082	49.32697067796791
528	339	250648	-23121.14133	1015477.317025076	36.66379593858633	-00.8815188	338603.802991614	432114.35018772	2934.1347018772	2653.76078126151	2804.122912470527	2803.918682603425	48.8473659181961	49.32697067796791
529	339	250649	-22481.14133	1015477.317025076	36.66379759158673	-00.8791799	338804.788	432110.069634015	2928.018160435297	2650.504265881394	2802.63213228854	2803.66194447613	48.8621273683502	49.32697067796791
530	339	250650	-21801.14133	1015477.317025076	36.6637992603681	-00.8768321	339005.733120556	432106.174428176	2924.126549	2648.22541914878	2801.0753100054	2800.429893	41.1466573008494	49.32697067796791
531	339	250651	-21141.14133	1015477.317025076	36.663800049	-00.8744903	339206.757768442	432102.821537128	2922.85245726547	2646.0321263754	2800.57117183946	2800.566933817877	41.1466573008494	49.32697067796791
532	339	250652	-20481.14133	1015477.317025076	36.66380191894523	-00.8721474	339407.74240914616	432101.584166205	2920.5507907267	2643.621457281935	2805.121559049695	2805.095440048762	38.4999823494707	38.5005679432645
533	339	250653	-19821.14133	1015477.317025076	36.6638033088049	-00.8699846	339608.726874371	432104.5470231616	2918.24504042397	2641.299070319594	2805.2196941824195	2804.49522542096	36.079376171468	36.079376171468
534	339	250654	-19161.14133	1015477.317025076	36.66380463753966	-00.8676418	339809.711845035	432101.51018754	2916.845179178103	2638.96518149433	2804.0108959792383	2805.04596904974	33.9542851509485	33.9102142328575
535	339	250655	-18501.14133	1015477.317025076	36.66380592896564	-00.8651189	340010.6953395497	432106.47342208	2918.488256197912	2638.46215624204	2803.6981959283	2804.1688520503074	32.402700833197	32.452700833197
536	339	250656	-17841.14133	1015477.317025076	36.66380717511551	-00.8627617	340211.6743987843	432102.43696376	2916.885642844202	2634.269717710243	2802.939742333757	2802.4673941262913	31.80237161865074	31.80237161865074
537	339	250657	-17181.14133	1015477.317025076	36.66380839061	-00.8604325	340418.64676375	432103.94034711	2914.8325420478	2632.42962994618	2801.6929949618	2801.6929949618	31.80237161865074	31.80237161865074
538	339	250658	-16521.14133	1015477.317025076	36.6638095316287	-00.8580904	340623.768785442	432104.963471171	2912.84516132949	2629.5331106843	2805.85300123851	2804.393945117417	32.6005105058197	25.159161792158
539	339	250659	-15861.14133	1015477.317025076	36.66381064199437	-00.8557476	340814.6304136916	43210						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatThLogs.ft	SatThBoth.ft
619	320748	42538.8586730335	105477.3170250766	36.66374765992957	-00.66634938	357294.7755424535	391760.170902158	2872.1334011533463	271.617847171537	271.173582967396	271.2508896726885	0	0	
622	320742	40918.8586730335	105477.3170250766	36.66374501956526	-00.6612921	357485.7470008832	391756.154	2868.067432237394	270.1056617049223	270.1056617049223	270.1056617049223	0	0	
623	320743	40918.8586730335	105477.3170250766	36.66374501956526	-00.6612921	357485.7470008832	391756.154	2868.067432237394	270.1056617049223	270.1056617049223	270.1056617049223	0	0	
624	320744	4028.8586730335	105477.3170250766	36.663739591051595	-00.6656044	357897.6890534913	391748.12086234	2858.66464109917006	270.702485	270.542935785045	270.776339848745	0	0	
625	320745	40898.8586730335	105477.3170250766	36.66373680890226	-00.6542636	358088.6605501984	391744.104670791	2853.7539359703037	270.546714386623	270.9340020058474	270.948734299627	0	0	
626	320746	41558.8586730335	105477.3170250766	36.663733919126	-00.6519207	358299.6314604369	391740.870870266	2848.841731244817	270.8933300981885	270.1059767343513	270.276795731599	0	0	
627	320747	42218.8586730335	105477.3170250766	36.663733110881862	-00.6495779	358500.6023246542	391738.072969049	2844.8054919372544	270.2309959826843	270.8399118352331	270.8399118352331	0	0	
628	320748	42878.8586730335	105477.3170250766	36.66372819888343	-00.6472351	358701.57287297363	391732.057459134	2841.645218035617	270.715845210757	270.448160881426	270.62871799467676	0	0	
629	320749	42538.8586730335	105477.3170250766	36.66374765992957	-00.66634938	357294.7755424535	391760.170902158	2872.1334011533463	271.617847171537	271.173582967396	271.2508896726885	0	0	
630	320750	44198.8586730335	105477.3170250766	36.6637221922927	-00.6425494	359103.5139427636	391724.07119167	2835.246702232418	269.750392715853	269.656537344613	269.83284218719	0.843599813717221	0	
631	320751	44858.8586730335	105477.3170250766	36.6637191551003	-00.6402068	359304.4804746685	391720.012291098	2831.046391392752	269.5819710930777	269.671346831711	269.8339108607172	5.220442025886269	1.9567052025886269	
632	320752	45518.8586730335	105477.3170250766	36.6637160662591	-00.6378637	359505.5441515644	391715.983	2825.650109	269.4278397555566	269.659353478659	8.65290300286745	3.709044476997361	2.73505145643812	
633	320753	46178.8586730335	105477.3170250766	36.6637129228667	-00.6355209	359706.42413361947	391711.983	2820.253266401675	269.2665644	268.915425195	268.858415425195	3.707260527918415	3.707260527918415	
634	320754	46838.8586730335	105477.3170250766	36.66370732782564	-00.6331781	359907.34	391707.961170436	2814.85745396326	269.10553452723087	269.7850595299665	268.680301158705	11.27023742421451	2.73505145643812	
635	320755	47498.8586730335	105477.3170250766	36.6637064801686	-00.6308352	360108.3635540286	391703.955	2810.5076570769384	268.94425620070	268.724629321785	268.9058853915473	27.04796227860257	0.24340422856621006	
636	320756	4818.8586730335	105477.3170250766	36.66370317198953	-00.6284892	360309.3332127945	391699.941559129	2807.20146592015	268.780171481468	267.311609411627	268.51246432778	0.53910284033258	0	
637	320757	48818.8586730335	105477.3170250766	36.6636988927016	-00.6261498	360510.3026	391695.9280949095	2803.900674635272	268.626937479298	267.87782516676	268.907202044724	8.8281121235709	0	
638	320758	49478.8586730335	105477.3170250766	36.66366022150104	-00.6238067	360711.27192847873	391691.915	2800.59718360405326	268.468038403526	267.8442777890105	268.567113536892	1.6376114522055	0	
639	320759	50138.8586730335	105477.3170250766	36.66368311	-00.6214639	360912.24108581006	391687.902	2800.596198813641	268.311493633046	267.8517569848485	268.0574500947336	7.495673684547595	0	
640	320760	50798.8586730335	105477.3170250766	36.66364562434	-00.6191211	361113.210197381	391683.89064277	2797.78971438478	268.1555214	267.65954391488	267.755400463778	2.859760712610215	0	
641	320761	51458.8586730335	105477.3170250766	36.6636188392911	-00.6167783	361314.1790047445	391679.876504455	2797.0192319551	268.0127621556535	267.9109131286109	268.480685651064	0.9221449894045592	0	
642	320762	52118.8586730335	105477.3170250766	36.663628732321	-00.6144354	361515.1477522195	391675.86417978	2796.24748527352	267.7842564385174	267.912407158247	268.389239563903	0	0	
643	320763	52718.8586730335	105477.3170250766	36.6636281156166	-00.6121654	361729.1853239084	391671.715	2795.00909593916	267.651913207163	267.8239469697	268.247393469697	0	0	
644	320764	53438.8586730335	105477.3170250766	36.6637348354026	-00.6097498	361917.084875718	391667.84020391	2793.074915705381	267.4790962536704	267.5293164740754	268.054198362844	0	0	
645	320765	54098.8586730335	105477.3170250766	36.663716697259	-00.6074069	362118.052355885	391663.82856778	2792.706489705867	267.4002354752072	267.8251896839024	267.9588369348854	0	0	
646	320766	54758.8586730335	105477.3170250766	36.6636792832959	-00.6050641	362319.01463411	391659.81736726	2791.446482266923	267.254026983621	267.714666087902	267.958481875824	0	0	
647	320767	55418.8586730335	105477.3170250766	36.6636415042508	-00.6027213	362519.98955933296	391655.805340805	2790.88993401338	267.11058984988	267.5879399170166	267.9588369348854	0	0	
648	320768	56078.8586730335	105477.3170250766	36.6636032725059	-00.6003785	362720.9575234156	391651.795	2790.978723114715	266.9959928667194	267.2934273393777	267.34522211372906	0	0	
649	320769	56738.8586730335	105477.3170250766	36.663564683148	-00.5985656	362926.925366254	391647.784293826	2791.087565282499	266.907565282499	267.2934273393777	267.34522211372906	0	0	
650	320770	57398.8586730335	105477.3170250766	36.6636254142426	-00.5956289	363129.93772742	391643.73772742	2790.30072	266.81932387854	267.2934273393777	267.34522211372906	0	0	
651	320771	58058.8586730335	105477.3170250766	36.66348586191854	-00.59335	363323.86062742537	391639.73344252	2788.47171549893	266.5808905661247	267.78537395084	266.44751936714	0	0	
652	320772	58718.8586730335	105477.3170250766	36.6634458197962	-00.5910071	363524.820666679	391635.7338549	2787.91210600413	266.253638192495	266.5227455817	266.430533439293	0	0	
653	320773	59378.8586730335	105477.3170250766	36.6634053260285	-00.5886643	363725.79537506634	391631.73455521	2787.32266941827	266.2506758261038	266.2478699743065	266.2455773721145	0.594788562884124	0.594788562884124	
654	320774	60038.8586730335	105477.3170250766	36.66336437712174	-00.5863215	363926.355530072	391627.7393122527	2771.79341823227	266.1672978100877	266.0193717625195	266.091757028446	1.4792804756976289	1.5812023980324739	
655	320775	60698.8586730335	105477.3170250766	36.6633632	-00.5839387	364127.7290063048	391623.742576055	2767.678282499874	266.0419350524774	265.8277096278886	265.8810104843873	2.132464666785252	2.338246466785252	
656	320776	61338.8586730335	105477.3170250766	36.6632811251686	-00.5816734	364329.98191575	391619.715	2765.00909593916	265.951913207163	265.844112119827	265.844112119827	3.14207393469697	3.14207393469697	
657	320777	62018.8586730335	105477.3170250766	36.663238189747	-00.579293	364527.963353755	391615.70564785	2762.33827379946	265.873925934655	265.932526347864	265.932526347864	4.0094758451968	3.97121448	
658	320778	62678.8586730335	105477.3170250766	36.663190621665	-00.5769502	364730.62963701	391611.69789376	2759.690454819786	265.8021186448	265.9177039152361	265.9177039152361	4.8974240036714	4.8974240036714	
659	320779	63338.8586730335	105477.3170250766	36.663152517437	-00.5746074	364931.5964921355	391607.68910348	2758.2313687548	265.639398418851	264.9714279198833	264.984673711241	5.2923191200781	5.79260760736514	
660	320780	63998.8586730335	105477.3170250766	36.663109188706	-00.5722645	365132.5628912883	391603.68110058	2757.4313056443	265.498807755553	264.824402273638	264.943080871345	6.55579308971345	6.55579308971345	
661	320781	64658.8586730335	105477.3170250766	36.6630650730557	-00.5699217	365333.5292	391599.67306544	2757.8293173984243	265.37779946909	264.69495643254	264.69495643254	6.98209231283545	6.9891178039508	
662	320782	65318.8586730335	105477.3170250766	36.6630250504790	-00.5676789	365534.490259615	391595.66529492	2756.782691602037	265.277415315981	264.657406103431	264.6588427505087	6.509737416502515	6.38871566437175	
663	320783	65978.8586730335	105477.3170250766	36.6629844399113	-00.5654384	365739.576547518	391591.68110058	2755.94809593916	265.186833930658	264.6484112119827	264.6484112119827	7.492804756976289	7.492804756976289	
664	320784	66638.8586730335	105477.3170250766	36.662933	-00.5628932	365936.427199178	391587.65043638	2754.765153507658	265.103457139315	264.6519005625345	264.617189518631	8.439198720244	8.439198720244	
665	320785	67298.8586730335	105477.3170250766	36.6628840483112	-00.5605504	366137.3929550404	391583.63402127	2755.390770305815	264.99324008628	264.93130820823	264.9352777857057	7.321937194	3.139962036082283	
666	320786	67958.8586730335	105477.3170250766	36.66337705594	-00.5582076	366338.358627785	391579.636410555	2754.53627803816	264.943080871345	264.943080871345	264.943080871345	8.12149007401913	2.4030510208992	
667	320787	68618.8586730335	105477.3170250766	36.663706742561	-00.5558648	366539.3240827109	391575.62786843	2752.043081937645	264.760381937645	264.57892899271	264.57892899271	8.79231940829	1.77337095505598	
668	320788	69278.8586730335	105477.3170250766	36.663743590081	-00.5535219	366740.2849550095	391571.62343571	2751.05216961816	264.670414111923	264.6800905815365	264.488714028218	2.213928303965478	1.168874127893526	
669	32078													

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatHtElev.f	SatHtBoth.f
15	340	250867	-369881.1413	1016137.3170250766	36.558640054220506	-102.1020866	233868.63809974464	3494471.127950104	36589.813126	356.612362393119	3505.331619272384	3504.4981642550197	60.280743.12073477	61.11148138099255
8	340	250868	-366321.1413	1016137.3170250766	36.55865156716568	-102.0997442	234089.73107625808	3494466.96396949455	3654.017903873593	3563.412121	3503.4851816174799	3502.50084070882	59.94782854156094	60.762126145478305
9	340	250869	-365701.1413	1016137.3170250766	36.5586592405931616	-102.0974471	234270.62486895654	3494462.8116213923	3648.222581198634	3561.2901469322432	3501.2830458267969	3499.3083267242259	59.89016283593732	60.89916283593732
10	340	250870	-365001.1413	1016137.3170250766	36.55871534610744	-102.0959453	234471.91879650486	3494456.639054948	3554.9755380304673	3498.6670921343793	3499.5952316463736	3497.5934087679676	59.8030638409373	60.7823638409373
11	340	250871	-364341.1413	1016137.3170250766	36.55874035	-102.0927168	234673.01200912934	3494454.49622111	3632.94238658727	3556.377084743644	3498.3007950687147	3498.1090241918564	58.4369134056495	58.6288426250795
12	340	250872	-363681.1413	1016137.3170250766	36.55876315	-102.0903744	234874.1051	3494450.83881127	3619.7614673200713	3554.4589645147067	3496.96309543053	3496.92482904451	56.33115347069126	57.135147069126
13	340	250873	-363021.1413	1016137.3170250766	36.55879023074783	-102.0880319	235075.1978080328	3494441.81752533	3606.592358026757	3552.219595826757	3495.8778301077814	3495.741798	56.2716618975456	56.47779826431679
14	340	250874	-362621.1413	1016137.3170250766	36.5588151017795156	-102.0856895	235276.29057340843	3494442.024966318	3593.417614275655	3549.39789830072	3494.7067247328164	3494.22502293271	55.2330639725576	55.3835683380109
15	340	250875	-362101.1413	1016137.3170250766	36.5588299759269	-102.083347	235477.36290301763	3494437.689214482	3598.302591198634	3547.847183963924	3493.71685879314	3493.361059646369	53.91548780786181	54.2961240382671387
16	340	250876	-361041.1413	1016137.3170250766	36.5589470814036	-102.0810405	235678.4769207147	3494433.71791013	3598.147534210704	3545.3409843721147	3492.451361890735	3492.4072005345455	52.8372526221	53.29376383756921
17	340	250877	-360381.1413	1016137.3170250766	36.55889443438106	-102.0786621	235879.5667701912	3494430.05901908	3587.359287555667	3540.01857105669	3490.980001260894	3490.44482882242	52.8077881742675	52.5478821742675
18	340	250878	-359721.1413	1016137.3170250766	36.55891413348591	-102.0763196	236080.6582311518	3494425.23965158	3615.57039866621	3546.6788566621	3489.4126315654476	3488.768445835516	51.262542113173355	51.91043986110526
19	340	250879	-359061.1413	1016137.3170250766	36.55893787828372	-102.0739772	236281.749604656	3494421.234207655	3615.170950971289	3538.323604253515	3487.998651408505	3487.9600114495453	50.63324504449576	50.63324504449576
20	340	250880	-358401.1413	1016137.3170250766	36.55896377831476	-102.0716347	236482.8043671409	3494417.08846897	3598.157967477183	3535.952502	3486.860343513416	3486.5730356791416	49.7901780595652	49.7901780595652
21	340	250881	-357741.1413	1016137.3170250766	36.5589795212913	-102.0699222	236683.9313874219	3494413.33186988	3597.145868781439	3533.563551894785	3486.097285189252	3485.764378124585	49.4602675035342	49.7791750823289
22	340	250882	-357081.1413	1016137.3170250766	36.55901244117666	-102.0669498	236885.0218875587	3494408.778	3598.13294849079	3531.15751520083	3485.531681346109	3485.222582234513	48.6253837477274	48.6253837477274
23	340	250883	-356421.1413	1016137.3170250766	36.55903694073966	-102.064073	237086.11271217136	3494404.623	3579.618816856766	3528.734002710894	3485.344345862692	3484.854752128466	47.6956864823154	47.6956864823154
24	340	250884	-355761.1413	1016137.3170250766	36.55905132352107	-102.0622648	237287.20110538132	3494403.848787326	3571.73236672203	3526.2936401647216	3485.2733567769124	3484.824686937028	47.4220382790286	47.4220382790286
25	340	250885	-355101.1413	1016137.3170250766	36.5590659668178	-102.0599223	237488.291825338	3494436.31453263	3565.265651650672	3523.836414664567	3485.4600132716287	3485.019478192737	38.7340169	38.7340169
26	340	250886	-354441.1413	1016137.3170250766	36.55911004864304	-102.0575799	237689.3812484365	3494392.16355102	3555.873036341233	3521.2624648473203	3485.92849455765	3485.481699592727	35.473797391555345	35.88094725433016
27	340	250887	-353781.1413	1016137.3170250766	36.55913404766038	-102.0552374	237890.47048377225	3494388.006489232	3547.788171688613	3518.816734308963	3486.5771716	3486.277156683202	32.9960728562683	32.9960728562683
28	340	250888	-353121.1413	1016137.3170250766	36.5591585452605	-102.0528493	238091.5594256658	3494385.632559549	3538.54505851417	3516.36919343259	3487.444932439596	3487.194785050977	29.9174871583394	29.9174871583394
29	340	250889	-352461.1413	1016137.3170250766	36.55918291076181	-102.050524	238292.7484446704	3494379.649454341	3534.1196429854967	3514.924533651428	3487.440935045497	3487.194785050977	27.9168355447728	27.9168355447728
30	340	250890	-351801.1413	1016137.3170250766	36.55920384545695	-102.048209	238493.7365255506	3494375.542635306	3531.02877065197	3511.32897059322	3486.6234057190373	3486.901193693676	24.7052007628455	24.7052007628455
31	340	250891	-351141.1413	1016137.3170250766	36.5592309635196	-102.0458675	238694.8248773718	3494371.93346469	3527.04501721828	3508.8052124853943	3481.63302777347	3481.384310319878	21.76209708047267	21.76209708047267
32	340	250892	-350481.1413	1016137.3170250766	36.55925504	-102.043525	238895.912691427	3494367.240641952	3523.239512396717	3506.285027398681	3475.5461762943167	3474.634121069437	20.3788511036231	20.3788511036231
33	340	250893	-349821.1413	1016137.3170250766	36.559279054188225	-102.0411825	239097.0003636145	3494359.88196698	3509.4340075792493	3503.72036733417	3469.117772134096	3468.76545932865	18.574435932865	18.574435932865
34	340	250894	-349161.1413	1016137.3170250766	36.55930302	-102.03884	239298.0877234925	3494358.59392964	3506.62850729872	3501.347782717177	3462.16370743827	3459.28532920427	18.18407537380064	18.18407537380064
35	340	250895	-348501.1413	1016137.3170250766	36.55932694102162	-102.036534	239498.7754446704	3494354.763921874	3504.1196429854967	3504.1196429854967	3461.94293544628	3461.94293544628	17.42093544628	17.42093544628
36	340	250896	-347841.1413	1016137.3170250766	36.5593508165621	-102.034155	239700.26712318094	3494350.632146315	3504.895438199652	3496.7036530742	3464.5220100651522	3464.5220100651522	17.161453341698	17.161453341698
37	340	250897	-347181.1413	1016137.3170250766	36.55937464685186	-102.0318215	239901.34833640422	3494346.48002978	3502.800230094281	3494.51984873074	3445.910803398475	3438.708182083924	16.80005483322643	16.80005483322643
38	340	250898	-346521.1413	1016137.3170250766	36.55939843189066	-102.02947	240102.4347	3494342.329291853	3506.460221991955	3494.40743841286	3443.99833301055	3443.99833301055	16.4136054023802	16.4136054023802
39	340	250899	-345861.1413	1016137.3170250766	36.55942217617853	-102.0271275	240303.5208	3494338.178213927	3505.36285858271	3490.355671948321	3442.91932894703	3432.9702359308805	16.4736249955106	16.4736249955106
40	340	250900	-345201.1413	1016137.3170250766	36.5594458621539	-102.024785	240504.0660321992	3494334.0726218	3508.884026193228	3488.346456780557	3442.378830918129	3441.311139964087	15.70253136164695	15.70253136164695
41	340	250901	-344541.1413	1016137.3170250766	36.55946951501264	-102.0224475	240705.6922165988	3494329.67571587	3511.9047572581487	3488.3781663749405	3441.947914145876	3440.3031672634106	15.4403229266499	15.4403229266499
42	340	250902	-343881.1413	1016137.3170250766	36.55949319530616	-102.02017	240906.7754446704	3494325.726393547	3514.924533651428	3504.895438199652	3461.94293544628	3461.94293544628	15.161453341698	15.161453341698
43	340	250903	-343221.1413	1016137.3170250766	36.55951667837105	-102.017725	241107.8651592183	3494321.5762197	3516.4744470559238	3482.56421955643	3441.947914145876	3441.947914145876	14.9347889559104	14.9347889559104
44	340	250904	-342561.1413	1016137.3170250766	36.55954019185215	-102.015415	241308.94743117344	3494317.462301208	3516.551618607447	3516.7254004872875	3441.08218933065	3425.106103026116	14.6622101523266	14.6622101523266
45	340	250905	-341901.1413	1016137.3170250766	36.55956366013343	-102.0130725	241510.03199032074	3494313.27651358	3517.6287915142114	3478.933824845256	3440.655482553946	3423.31669704314	13.92378981886139	13.92378981886139
46	340	250906	-341241.1413	1016137.3170250766	36.55958708316444	-102.01073	241711.1162936793	3494309.12716719	3518.705961703648	3477.916767173852	3443.915944144753	3442.154060389675	13.7375327563239	13.7375327563239
47	340	250907	-340581.1413	1016137.3170250766	36.5596104699241	-102.0083875	241912.20034141984	3494309.977490123	3520.591694202978	3475.0516964202978	3439.264529640219	3422.397111059136	13.6255296462631	13.6255296462631
48	340	250908	-339921.1413	1016137.3170250766	36.55963793049693	-102.006045	242113.2841337482	3494303.826668433	3523.285419035554	3473.963454664945	3438.7240677796153	3437.955195444477	13.3936685329714	13.3936685329714
49	340	250909	-339261.1413	1016137.3170250766	36.55966170530768	-102.00378	242314.369170530768	3494300.193668433	3526.4196429854967	3526.4196429854967	3437.95519544477	3437.95519544477	13.161453341698	13.161453341698
50	340	250910	-338601.1413	1016137.3170250766	36.5596832277005	-102.00136	242515.40595290048	3494302.53166488	3527.63242803698	3470.783560310033	3437.95519544477	3437.95519544477	12.9347889559104	12.

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SurfAtkBoth.f	SurfBoth.f
132	340	250993	-283821.1413	1016137.3170250766	39.661451860054155	-101.8069269	259204.4905253541	4393949.012572365	3597.3512500182615	3397.7495222107787	3327.534588915712	3327.4845664802588	71.2140332950666	71.26495353051989
134	340	250940	-283161.1413	1016137.3170250766	39.66147111008615	-101.8048389	259405.5576	4393944.883203041	3607.377252170487	3398.164956581324	3324.131901	3325.1395197031953	74.03305596287316	73.02508502873416
136	340	250965	-283501.1413	1016137.3170250766	39.66148040639769	-101.8023413	259606.6189575404	4393940.754699698	3615.246402319886	3397.684462181886	3320.1996977822746	3320.831996651642	76.9626333324294	76.9626333324294
138	340	250986	-281941.1413	1016137.3170250766	39.66150984652322	-101.7998897	25987.8621099748	4393936.3662110081	3607.942639150343	3397.126532537198	3317.057055518623	3317.126525327198	79.03305831836943	79.01005149183684
137	340	250997	-281814.1413	1016137.3170250766	39.66152915153228	-101.797556	260008.7439971481	4393932.497753391	3626.643917514586	3396.4885928142176	3313.2971135612806	3313.3889058096414	83.19147925236392	83.12964220457616
138	340	250988	-280521.1413	1016137.3170250766	39.66154841126425	-101.7952134	260209.80564748074	4393928.366927392	3632.3451034292331	3395.948009338195	3309.31739867381	3309.4941714857709	86.453610664348	86.453610664348
139	340	250989	-279861.1413	1016137.3170250766	39.66156756274115	-101.7928708	260410.8670181	4393924.241732876	3631.7959882173247	3395.411906854896	3305.9982599732707	3306.295487512242	89.1614364688	89.1614364688
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BR ElevLogKrg.f	BR ElevLogKrg.f	SatHtLogKrg.f	SatHtBoth.f	
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296	340	25156	-176241.1413	1016137.310250766	39.66402297573436	-101.4250637	291974.7010414523	4393320.79425709	3307.347632418653	3205.010290348496	3091.674515677842	3094.129463306936	113.33577470612181
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298	340	25158	-174921.1413	1016137.310250766	39.6640470589056	-101.4203781	292376.7630704591	4393315.845284915	3375.128266277534	3202.0930705846254	3089.7291585128455	3089.7291585128455	112.36391207177985
299	340	25159	-174261.1413	1016137.310250766	39.66405930304362	-101.4180354	292577.779793907	4393326.755	3374.25698978324	3200.579899731322	3088.5129655793124	3089.611703763839	110.9624814042067
300	340	25160	-173601.1413	1016137.310250766	39.66407081120676	-101.4159826	292788.781528490716	4393314.66144624	3374.25698978324	3200.579899731322	3088.5129655793124	3089.611703763839	110.9624814042067
301	340	25161	-172941.1413	1016137.310250766	39.66408291439824	-101.413705	292993.6468275874	4393312.6468275874	3374.25698978324	3200.579899731322	3088.5129655793124	3089.611703763839	110.9624814042067
302	340	25162	-172281.1413	1016137.310250766	39.6641068511376	-101.411007	293178.8664864525	4393352.483	3375.6528215640596	3195.73817301625	3084.5085702972	3089.493312	110.3024567118027
303	340	25163	-171621.1413	1016137.310250766	39.66410674316254	-101.4086642	293381.89028291203	4393320.93534632	3378.39634709615	3194.066878950463	3082.95423834883	3082.95423834883	111.11639597420799
304	340	25164	-170961.1413	1016137.310250766	39.664128203598	-101.4063214	293582.172767629	4393346.30355112	3381.431506519733	3192.365172953065	3081.601026951123	3087.24628404875	105.1148465624799
305	340	25165	-170301.1413	1016137.310250766	39.66412992204243	-101.4039786	293783.4226821326	4393322.4123778845	3388.4373691888	3190.68311568827	3080.241175687313	3080.241175687313	107.40173587209051
306	340	25166	-169641.1413	1016137.310250766	39.66414518	-101.4016358	293984.9675747105	4393328.12968487	3383.4544071315302	3190.683095060664	3079.22854876		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	W.Lt.f	SurfElev.f
35	340	25125	-117501.1413	1016137.3170250766	3966491941224259	-101.165524	309865.3042637818	4329315.7933293498	3167.204334775027	3686.448487234586	2993.8139923976254	2993.8139923976254	72.57131219966979
386	340	25126	-116841.1413	1016137.3170250766	39664947744779316	-101.2142906	310066.3154543196	4329511.722430523	3174.9975280721474	3067.0678145844073	2990.3139252965374	2990.3139252965374	75.295363567
387	340	25127	-116181.1413	1016137.3170250766	39664952493208162	-101.218667	311473.3733409554	4329527.451617734	3188.267540263954	3055.8972615248442	2974.8912271524844	2974.8912271524844	76.147411230473
388	340	25128	-115521.1413	1016137.3170250766	3966494338314906	-101.2095238	310648.3155223005	4329303.551121489	3177.984371360724	3064.3550736606565	2985.045285311507	2985.045285311507	77.2919550314708
389	340	25129	-114861.1413	1016137.3170250766	39664951282875094	-101.207181	310669.34027795173	4329289.510860180	3210.71120254068	3062.990437076116	2981.8163600555004	2981.8163600555004	81.87949507
390	340	25130	-114201.1413	1016137.3170250766	3966495173779086	-101.2048381	310870.3488187936	4329305.440625072	3203.436334574116	3061.656437890876	2979.32208537591	2979.32208537591	81.7823287040689
391	340	25131	-113541.1413	1016137.3170250766	3966496694662138	-101.2024953	311071.3577149601	4329381.37	3228.948143122775	3060.37956216142	2977.1296803737007	2977.1296803737007	82.3688090769251
392	340	25132	-112881.1413	1016137.3170250766	39664974710601946	-101.2001524	311272.3655487963	4329387.3014452895	3227.241531180174	3059.366678895244	2975.22712843106	2975.22712843106	82.71309447
393	340	25133	-112221.1413	1016137.3170250766	39664982493208162	-101.1976096	311473.3733409554	4329527.451617734	3188.267540263954	3055.8972615248442	2974.8912271524844	2974.8912271524844	83.3688090769251
394	340	25134	-111561.1413	1016137.3170250766	396649910277779	-101.1854667	311674.3811374719	4329378.162982987	3223.8283729492162	3056.4743655649	2971.921458178477	2971.921458178477	84.371973780125
395	340	25135	-110901.1413	1016137.3170250766	396649973097337	-101.1931239	311785.38875070126	4329375.04095934	3222.63950237915	3055.2210488607	2970.384259083047	2970.384259083047	85.871797765916
396	340	25136	-110241.1413	1016137.3170250766	396650031390697	-101.190781	312076.3961928524	4329371.05434849	3221.9665434519	3053.97578880657	2969.06374834984	2969.06374834984	86.01749197
397	340	25137	-109581.1413	1016137.3170250766	3966501128517883	-101.1884382	312277.403453285	4329365.02104348	3222.739150159885	3052.86881600507	2967.753825105723	2967.753825105723	86.8583257635715
398	340	25138	-108921.1413	1016137.3170250766	3966502034	-101.1860953	312478.41051454504	4329362.888811891	3220.626635323767	3051.52760684625	2966.9974662507143	2966.9974662507143	87.0419461350552
399	340	25139	-108261.1413	1016137.3170250766	3966502779113735	-101.1837524	312679.4174007319	4329358.502681994	3220.942596973294	3050.569607698329	2966.517093575823	2966.517093575823	87.90038627
400	340	25140	-107601.1413	1016137.3170250766	3966503519302357	-101.1814096	312880.4210409996	4329354.7513103145	3222.246783846605	3049.14316356022	2965.906383300363	2965.906383300363	88.7982091781235
401	340	25141	-106941.1413	1016137.3170250766	3966504254964817	-101.1790667	313081.4306439554	4329350.26831288	3223.5503673357484	3047.978903488265	2965.457926175002	2965.457926175002	89.820771382471
402	340	25142	-106281.1413	1016137.3170250766	3966504861109194	-101.1767239	313282.436621986	4329346.61832155	3224.8545095227814	3046.8345095227814	2965.013292251557	2965.013292251557	90.3072902709793
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405	340	25145	-104301.1413	1016137.3170250766	396650715232793	-101.1699953	313885.458585467	4329334.417846314	3219.324980587804	3043.5267500721093	2962.759689113582	2962.759689113582	91.8070809582746
406	340	25146	-103641.1413	1016137.3170250766	3966507856384325	-101.1673524	314086.4064602074	4329330.351483169	3216.85971918025	3042.4664442041962	2961.567866795958	2961.567866795958	92.8166724323819
407	340	25147	-102981.1413	1016137.3170250766	396650859208761	-101.1650096	314245.4693781836	4329328.526819348	3214.92365320414	3041.42365320414	2960.523290745176	2960.523290745176	93.6505475509307
408	340	25148	-102321.1413	1016137.3170250766	3966509027865776	-101.1626667	314488.4711742046	4329322.21945041	3205.810228858404	3040.410878103047	2958.889454656597	2958.889454656597	94.48326621474845
409	340	25149	-101661.1413	1016137.3170250766	3966509973217177	-101.1603238	314689.4762414953	4329318.153770041	3209.413678958237	3039.413678958237	2957.656027548913	2957.656027548913	95.788330984904
410	340	25170	-101001.1413	1016137.3170250766	3966510672248465	-101.157981	314890.4811279984	4329314.08324004	3192.7556468095	3038.437991010726	2956.533857039318	2956.533857039318	96.31533535
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412	340	25172	-99681.1413	1016137.3170250766	39665112009	-101.1532953	315292.4903595431	4329305.958121191	3182.623921725582	3036.5400420502683	2954.4046234700677	2954.4046234700677	98.1354178802009
413	340	25173	-99001.1413	1016137.3170250766	396651127897158	-101.1516096	315493.4987409998	4329303.3636356	3178.0703863597	3035.602567795958	2954.04639168424	2954.04639168424	99.03064978535958
414	340	25174	-98361.1413	1016137.3170250766	396651127897158	-101.1486095	315694.498057761	4329297.1486095	3172.9167505397	3034.67310245125	2953.2774769226	2953.2774769226	99.811059167649
415	340	25175	-97701.1413	1016137.3170250766	39665107989199	-101.1462667	315855.502656132	4329293.76436391	3168.31726297810	3033.723702876025	2950.970370434367	2950.970370434367	100.51289329
416	340	25176	-97041.1413	1016137.3170250766	396651476579072	-101.1439238	316096.506724982	4329297.700447649	3165.458336230939	3032.786826518893	2949.715406842924	2949.715406842924	101.0671477864473
417	340	25177	-96381.1413	1016137.3170250766	396651510002405	-101.1415809	316297.510389413	4329285.636244275	3161.603904286944	3031.863382850216	2948.4592000435296	2948.4592000435296	102.400182804464
418	340	25178	-95721.1413	1016137.3170250766	39665116009	-101.1392381	316498.513837288	4329287.6302414	3177.74947491899	3030.92738394985	2947.2035601734924	2947.2035601734924	103.7492381249726
419	340	25179	-95081.1413	1016137.3170250766	396651627	-101.1368952	316699.517102228	4329277.509831674	3153.65146898978	3030.695279790555	2946.04639168424	2946.04639168424	104.012062121114
420	340	25180	-94401.1413	1016137.3170250766	39665117375151	-101.134262	316900.532911836	4329274.6147925	3149.30982045472	3029.183215155696	2944.825407162109	2944.825407162109	104.8167479941372
421	340	25181	-93741.1413	1016137.3170250766	39665118018	-101.1328952	317001.5231020157	4329278.332506465	3148.39258256854	3028.244012342462	2943.627702358239	2943.627702358239	105.74016988112276
422	340	25182	-93081.1413	1016137.3170250766	3966519628359484	-101.129666	317302.5258416574	4329275.32089136	3140.62670919639	3027.482148459296	2942.4171265054384	2942.4171265054384	106.0502195475969
423	340	25183	-92421.1413	1016137.3170250766	3966519294120236	-101.1275237	317503.5289370308	4329271.258623148	3132.127405599328	3026.65450599363	2941.232209972741	2941.232209972741	107.845298962447
424	340	25184	-91761.1413	1016137.3170250766	39665195971886	-101.1251809	317704.5307745306	4329275.19612076	3124.47043442313	3025.84319953026	2940.97782021496	2940.97782021496	108.8200507
425	340	25185	-91011.1413	1016137.3170250766	396652055	-101.122838	317905.5329743613	4329273.131455908	3114.81434621788	3025.043386931383	2939.79593851824	2939.79593851824	109.746274973
426	340	25186	-90441.1413	1016137.3170250766	39665211708	-101.120494	318106.534967884	4329274.07398973	3114.56421525633	3024.250717155893	2937.52296156332	2937.52296156332	110.3546402068399
427	340	25187	-89781.1413	1016137.3170250766	396652146949165	-101.118581	318245.53841836	4329272.58178747	3114.56421525633	3024.250717155893	2937.52296156332	2937.52296156332	111.057401799413
428	340	25188	-89121.1413	1016137.3170250766	396652046949165	-101.116094	318508.538998793	4329272.58178747	3114.56421525633	3024.250717155893	2937.52296156332	2937.52296156332	112.74016988112276
429	340	25189	-88461.1413	1016137.3170250766	396652015877936	-101.1134665	318709.54000111227	4329273.888423475	3116.143931907556	3021.94276499566	2936.057852671615	2936.057852671615	113.8401405
430	340	25190	-87801.1413	1016137.3170250766	396652362	-101.111236	318910.5413156817	4329272.32763387	3113.07031700555	3021.18753116012	2930.744329563408	2930.744329563408	114.823225560374
431	340	25191	-87141.1413	1016137.3170250766	3966524021568184	-101.1087088	319111.54253313	4329276.768324875	3110.58456012064	3020.435219	2928.44389657302	2928.44389657302	115.9889293885406
432	340	25192	-86481.1413	1016137.3170250766	3966524815506925	-101.1064379	319312.5434151747	4329274.707	3111.483531	3019.818680357915	2926.065191023417	2926.065191023417	117.8166710723275
433	340	25193	-85821.14										

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThkLog.ft	SatThkBot.ft
511	34131	-34341.14133	1016137.3170250766	39.66657545215389	-100.92135	335191.0803071572	4329040.658292039	2999.214642750757	2887.064024268417	2844.403476882003	2843.743350774185	42.66054738635421	43.289869190998615
512	34132	-33681.14133	1016137.3170250766	39.66557778464621	-100.9190071	335392.0676383697	4324004.816	2991.9247088112268	2885.147590331297	2843.253600312039	2842.684767081237	41.893900195256126	42.462823250059955
513	34133	-33021.14133	1016137.3170250766	39.6655802747151	-100.9166647	335859.923190729	4323936.374331842	2984.5374776971748	2883.2131871841587	2841.8698915314408	2841.3185187147426	41.34418239015622	41.89535184161722
514	34134	-32613.14133	1016137.3170250766	39.665582313842215	-100.9194214	335974.0244242395	4323935.62994485	2977.3448441172765	2881.26194847191	2840.4332405558545	2839.82873257577	40.9324778923713	41.43310324814133
515	34135	-32170.14133	1016137.3170250766	39.66558451054884	-100.9119785	335995.02947654656	4323934.491285609	2970.2964596804823	2879.290913461894	2838.8957665177263	2838.136749799309	40.39514684416812	41.15416366258563
516	34136	-31041.14133	1016137.3170250766	39.6655866198666	-100.9096356	336196.0245645205	4323938.450120527	2963.4987316693916	2877.299903	2837.099624209456	2836.285280372335	40.2000440967462	41.0173533358664
517	34137	-30381.14133	1016137.3170250766	39.66558876164504	-100.9072927	336397.0310552644	4323930.489153267	2956.697907123018	2875.2881010947003	2834.738220309768	2834.3227040788306	40.54987803932135	40.9658035822616
518	34138	-29727.14133	1016137.3170250766	39.6655902907946	-100.9049488	336597.989682597	4323976.36428795	2943.789720372118	2873.254807617106	2832.637755296617	2830.949660844303	40.61705184140419	40.751011586725626
519	34139	-28961.14133	1016137.3170250766	39.6655928472151	-100.9026869	336798.9671013596	4323972.327834749	2946.07162411381	2871.20135338986	2829.852618344265	2828.362333702296	41.3488915626971	42.818019678398654
520	34140	-28401.14133	1016137.3170250766	39.6655945112065	-100.900254	336999.96236202354	4323982.26789153	2942.2211761191	2869.12352530733	2826.997403176516	2825.642939	42.13085032078723	43.485042583337
521	34141	-27741.14133	1016137.3170250766	39.665596740246876	-100.8979211	337200.948647942	4323964.27426987	2933.70752112041	2867.306032126517	2823.946833201482	2822.69977984896	40.89019097469545	43.3656431872622
522	34142	-27081.14133	1016137.3170250766	39.6655986201115	-100.8955782	337401.9340987075	4323960.207820241	2936.502864623902	2864.923817881357	2820.953722583216	2819.6324002418926	43.9700952873451	45.29157136346311
523	34143	-26421.14133	1016137.3170250766	39.6656004541052	-100.8932353	337602.9201974733	4323976.18823908	2931.691052836114	2862.79108899615	2817.7263669675265	2816.63801681659706	45.0647200406855	46.31291883
524	34144	-25761.14133	1016137.3170250766	39.66560224679573	-100.8908924	337803.9058278031	4323932.128889358	2924.787161505793	2860.639576459733	2814.405104611843	2813.3213719	46.23185303413038	47.30976062776335
525	34145	-2501.14133	1016137.3170250766	39.66560398812249	-100.8889458	338004.89130010572	4323948.969761452	2917.9152607917796	2858.4614381917747	2811.0384252063688	2810.435698960601	47.2306985640612	48.295676331173834
526	34146	-24441.14133	1016137.3170250766	39.6656056693406	-100.8862066	338205.7168174487	4323344.050953065	2911.0433342288984	2856.2647504183374	2807.633289389584	2806.955747472092	48.63146150967896	49.30900294624533
527	34147	-23781.14133	1016137.3170250766	39.665607340482694	-100.8838367	338408.86177718075	4323940.012	2910.11580835826	2854.041341128524	2804.702755166425	2803.704417627338	49.87715869296904	50.34301468514454
528	34148	-23211.14133	1016137.3170250766	39.66560895	-100.8815208	338607.846780462	4323935.97375148	2890.2197804117145	2851.813508289534	2801.4005094164893	2801.006174917959	50.4177414264176	50.80517603719454
529	34149	-22661.14133	1016137.3170250766	39.66561051179112	-100.8791779	338808.83762749617	4323931.93567108	2878.6262424289004	2849.5575554248358	2801.542104003312	2801.313623	48.01545142512372	48.243932058575865
530	34150	-21801.14133	1016137.3170250766	39.66561209550395	-100.876835	339009.8163184915	4323927.89756429	2867.032344460718	2847.286960127785	2802.546488182677	2802.461548306364	48.41641045107654	44.82537329742081
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532	34152	-20481.14133	1016137.3170250766	39.66561495261674	-100.8721482	339431.785231827	4323919.52240885	2866.901727635595	2842.700219687695	2804.10410761759	2804.027451437372	38.6751890161068	38.6751890161068
533	34153	-20041.14133	1016137.3170250766	39.66561631252581	-100.869881	339639.764572924	4323915.78489654	2864.37486729264	2840.82687	2803.9302430505144	2803.537532845146	41.6102944305712	41.62436214905698
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546	34166	-11241.14133	1016137.3170250766	39.66563017545095	-100.8393447	342225.5179405096	4323923.5038345	2945.29343430845	2809.82478430845	2835.0502621698	2824.4218358581185	41.6102944305712	41.62436214905698
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatElevLogKrg.ft	SatThBoth.ft
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683	241643	79178.8586730335	1016137.310250766	39.66531004239015</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatThKrg.ft	SatThBoth.ft
23	341	25123	-356421.1413	1016797.3170250766	39.6068497403028	-102.0646389	23790.278964562	3494065.9657202025	3586.267992175908	32.02878881720047	3485.6796449107087	3485.190921416668	34.29733680936595	42.88596030340659
24	341	25124	-355761.741	1016797.3170250766	39.6068741662708	-102.0622963	237291.36869874748	3494061.81	3579.635917778032	35.62582951767337	3485.62359535745	3485.115290798047	40.00599440961196	40.5131791705
25	341	25125	-355111.1413	1016797.3170250766	39.606891438341824	-102.0598838	237492.45817277804	3494597.66923041	3573.034673389156	32.7331638942389156	3485.016768543447	3485.04063611325	37.2469235041356	37.763001763048
26	341	25126	-354641.1413	1016797.3170250766	39.60692286880115	-102.0576113	237693.5473865547	3495053.50161102	3566.455889827032	35.02016128889694	3486.024863962705	3486.076124177505	34.005764342333	34.680164721238
27	341	25127	-353781.1413	1016797.3170250766	39.60694715233104	-102.0552687	237894.63634119625	3495489.74382152	3558.460698	35.1818378	3487.68568141296	3487.294966803303	34.498068411774208	30.888810496317223
28	341	25128	-353121.1413	1016797.3170250766	39.60697139040234	-102.0529262	238095.72530600144	3495455.19345678	3549.0743820467	35.15167759063775	3489.321323208526	3489.248757404236	34.5047155524627	26.42303801931625
29	341	25129	-352461.1413	1016797.3170250766	39.6069958332204	-102.0505837	238296.81347714772	3495481.04201981	3538.688035118834	35.1148304798594	3491.682449416425	3492.126515254571	21.46545913821683	21.0217882882824
30	341	25130	-351801.1413	1016797.3170250766	39.6101973099001	-102.0482411	238497.90164731018	3495476.86867014	3530.31665203301	35.101671889163467	3491.900471343766	3492.5040118296684	18.71841871970185	18.07697986678346
31	341	25131	-351141.1413	1016797.3170250766	39.610369143831624	-102.0458988	238698.9896523074	3495476.733879003	3527.0041714471567	35.058367419871805	3494.1715347288373	3494.258923242593	23.01528835054423	24.64434207545616
32	341	25132	-350481.1413	1016797.3170250766	39.6105789058269	-102.043556	238900.07723250918	3495458.580722378	3516.87803816684	35.0656995171013	3477.08895188858	3475.1566717755233	24.917132824525	30.410047359759648
33	341	25133	-349821.1413	1016797.3170250766	39.6107920495315	-102.0412135	239101.16472418624	3495454.42798195	3511.072692186007	35.0033693515212623	3470.305379681968	3476.3979554445924	32.76455152509425	30.6772307665994
34	341	25134	-349161.1413	1016797.3170250766	39.611158691507	-102.0388709	239302.25186611564	3495456.72506453	3505.258376009184	35.00813556956745	3463.7620156286425	3465.05028664774	34.85154132703014	41.11027011
35	341	25135	-348501.1413	1016797.3170250766	39.6113979056489	-102.0365284	239503.3381999505	3495456.123264137	3502.3447214212941	35.05766973096373	3452.03384602033	3452.03384602033	36.48544914815806	46.17547395270822
36	341	25136	-347841.1413	1016797.3170250766	39.611636667215	-102.0341858	239704.42537919225	3495451.97122045	3502.3303949863	35.05.845361555565	3452.7803152829563	3445.294804644686	43.104220325997176	50.5896437
37	341	25137	-347181.1413	1016797.3170250766	39.61187185	-102.0318433	239955.5117441932	3495451.874254769	3502.31650250821	34.9934215565555	3449.068002626519	3449.068002626519	34.59365139330678	54.018757643727895
38	341	25138	-346521.1413	1016797.3170250766	39.61211282379385	-102.029507	240106.597850058	3495453.667367815	3502.302415617678	34.991426673202893	3446.301222400515	3434.991236004025	45.1253521238024	56.4353517040978
39	341	25139	-345861.1413	1016797.3170250766	39.612350236007	-102.0271582	240307.88370854167	3495453.516534037	3502.27109735871678	34.989.283446604367	3444.824002	3431.365172524599	44.4550049905861	57.1892407764365
40	341	25140	-345201.1413	1016797.3170250766	39.6125871828601	-102.0248156	240508.7695003205	3495453.365437675	3503.5415152337215	34.987188209225337	3443.720604132669	3428.007303134283	44.767655096467	59.1804740505406
41	341	25141	-344541.1413	1016797.3170250766	39.6128236872494	-102.0224731	240709.854466468	3495451.215	3504.37207081465	34.985.138953608804	3424.56689786909	3424.56689786909	40.59119510077426	
42	341	25142	-343881.1413	1016797.3170250766	39.613097336901	-102.0201305	240910.9737765942	3495452.073639374	3505.20613805591	34.983.135676782746	3442.031710434563	3420.662347	41.1035703204255	62.4732067018463
43	341	25143	-343221.1413	1016797.3170250766	39.6132953270032	-102.0177788	241112.02455421138	3495452.91339245	3505.904170105173	34.981.1817497014026	3441.6489480028627	3416.515737690963	39.4320016885397	64.66601209233977
44	341	25144	-342561.1413	1016797.3170250766	39.61335046905084	-102.0154454	241313.10712453133	3495451.763371481	3506.47653721399	34.979.28025543572	3440.820235560686	3440.820235560686	38.4602017703046	69.6554370884191
45	341	25145	-341901.1413	1016797.3170250766	39.6134935878781	-102.0131694	241512.2632023284	3495451.43486216	3507.0484213771774	34.976.45453461227	3459.384711428266	3442.027862593924	34.7131625463317	74.1492511137789
46	341	25146	-341241.1413	1016797.3170250766	39.61359939422076	-102.0110763	241715.2749730152	3495451.04373021	3507.621337229507	34.975.646540339767	3439.692619321003	3409.94966	35.9540211022726	65.551903430676
47	341	25147	-340581.1413	1016797.3170250766	39.6142331780428	-102.0084717	241916.36130016312	3495450.314262312	3508.39404855783	34.973.9151468519	3438.814452587318	3412.807368624297	35.1306281207931	65.11104634498212
48	341	25148	-339921.1413	1016797.3170250766	39.6144665093304	-102.0060751	242171.4448476211	3495450.16502338	3512.366920704162	34.972.246226	3438.2010814813034	3415.412124	34.04604091162582	65.8250167
49	341	25149	-339261.1413	1016797.3170250766	39.6146993811077	-102.0037326	242318.5213887956	3495451.06017198	3515.339792850903	34.970.630897128086	3437.51079943967	3437.51079943967	33.11997118411904	52.25944609618633
50	341	25150	-338601.1413	1016797.3170250766	39.6149318143559	-102.001319	242519.6112	3494483.967244179	3518.3126649977594	34.969.09929	3436.8509356746968	3421.80890824917	32.7183540002346	47.26013621803305
51	341	25151	-337941.1413	1016797.3170250766	39.6151837807458	-101.9998474	242726.6395916487	3494483.71802778	3520.2948717713774	34.967.59927273682	3436.58992736894	3426.59469839531	33.4620012084367	49.90439178381085
52	341	25152	-337281.1413	1016797.3170250766	39.6153953092664	-101.9967409	242912.774857707	3494483.7039396	3521.2846219477359	34.966.094494747359	3432.027962055137	3425.85033081991	30.71464891603254	35.23391356947595
53	341	25153	-336621.1413	1016797.3170250766	39.6156236779306	-101.9943263	243122.85876102865	3494481.423216895	3522.277960481526	34.964.888840550043	3433.5615284451683	3429.816888813554	29.1278214087482	34.58927466968772
54	341	25154	-335961.1413	1016797.3170250766	39.6158569406714	-101.9920197	243323.9407803803	3494477.274427399	3523.269516482519	34.963.326080533717	3435.252818223775	3429.3191612666483	28.07326212969424	34.01426806723415
55	341	25155	-335301.1413	1016797.3170250766	39.6160871576753	-101.9896771	243525.02254577138	3494473.127	3523.620900494296	34.962.00940398143	3433.196484522678	3429.8164125233294	26.84745587548918	32.19578718281368
56	341	25156	-334641.1413	1016797.3170250766	39.6163136868754	-101.9873345	243726.1045740068	3494473.978480265	3523.3321217936746	34.960.739190193826	3434.8809481916837	3431.240258	25.85824027224919	29.49883760505238
57	341	25157	-333981.1413	1016797.3170250766	39.61654612710501	-101.984892	243927.1853154943	3494473.83232569	3523.043365279198	34.959.514688599074	3433.255814640081	3431.0342613104986	24.2905519625413	25.981519523138
58	341	25158	-333321.1413	1016797.3170250766	39.6167740332596	-101.9824944	244126.2632023284	3494460.5817721	3523.754534361227	34.958.38911428266	3434.027148822715	3429.3191612666483	23.7131625463317	29.49883760505238
59	341	25159	-332661.1413	1016797.3170250766	39.6167740332596	-101.9806308	244326.3077018472	3494460.5817721	3523.754534361227	34.958.38911428266	3434.027148822715	3429.3191612666483	23.7131625463317	29.49883760505238
60	341	25160	-332001.1413	1016797.3170250766	39.6172318777644	-101.9779642	244530.4257052643	3494452.292328216	3524.246771660548	34.956.105438977145	3429.6402845626476	3428.51378167464	24.46515420560685	27.59165732294059
61	341	25161	-331341.1413	1016797.3170250766	39.6174588362057	-101.9756216	244731.507816838	3494452.292328216	3524.246771660548	34.956.105438977145	3429.6402845626476	3428.51378167464	24.46515420560685	27.59165732294059
62	341	25162	-330681.1413	1016797.3170250766	39.6176856321034	-101.973279	244932.5878099273	3494444.10078192	3521.762235335563	34.954.0300702232043	3426.205113748854	3425.6800024080184	27.82556438318927	28.4226781158963
63	341	25163	-330021.1413	1016797.3170250766	39.61791217456934	-101.9709364	245133.667510526	3494453.95432048	3522.175170311393	34.953.075308086784	3425.527915713588	3425.527915713588	27.91562029058908	27.91476850205985
64	341	25164	-329361.1413	1016797.3170250766	39.6181381	-101.9688399	245334.704704077	3494453.80802807	3522.175170311393	34.953.075308086784	3425.527915713588	3425.527915713588	27.91562029058908	27.91476850205985
65	341	25165	-328701.1413	1016797.3170250766	39.618364090415	-101.966974	245535.74030612366	3494453.80802807	3522.175170311393	34.953.075308086784	3425.527915713588	3425.527915713588	27.91562029058908	27.91476850205985
66	341	25166	-328041.1413	1016797.3170250766	39.6185819	-101.9650037	245736.9052646734	3494427.518	3543.23139834728	34.950.30905833937	3423.9525218849	3431.0342613104986	24.2905519625413	25.981519523138
67	341													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLgKrg.ft	BRLEvBothKrg.ft	SatThLgKrg.ft	SatThBoth.ft
149	341	25149	-272361.1413	1016797.3170250766	39.66357019375573	-101.7694688	262425.6042214625	3404804.287	3597.594385919462	3388.9483972064622	3291.3281598380368	3288.096101	97.62023736842548	100.852296075822
150	341	25150	-272601.1413	1016797.3170250766	39.66358891090738	-101.7671299	262626.66222225697	3404901.161965008	3601.16335028569	3388.08711802008	3289.842466842177	3287.9693698001435	98.244445959068	99.11732272
151	341	25151	-272841.1413	1016797.3170250766	39.66369782030764	-101.7647831	262877.211682156	340476.038818725	3602.4443876702535	3377.127884515123	3288.1967042196245	3289.937236765235	98.9808172	97.272377709884
152	341	25152	-272181.1413	1016797.3170250766	39.66362620940455	-101.7624404	263028.7798203025	3404750.1140023	3369.2260434166348	3387.533446037941	3287.9693698001435	3287.9693698001435	98.6926273762292	98.71171898911502
153	341	25153	-272621.1413	1016797.3170250766	39.66364479082191	-101.7600977	263229.83372	3404607.786520968	3604.0125871699152	3384.20193570115	3285.80457557658	3286.9521616664083	98.289762373952653	98.289762373952653
154	341	25154	-269691.1413	1016797.3170250766	39.6636326946555	-101.75775	263430.8948	3404363.618619329	3599.39844842173706	3384.0044118795677	3283.13576656906	90.2643059180291	91.09513084077994	101.09513084077994
155	341	25155	-269301.1413	1016797.3170250766	39.66368181781436	-101.7554123	263631.9214266623	3404369.5374493245	3596.416294139507	3383.1987621610437	3282.04881539611	90.144995382031066	101.144995382031066	101.144995382031066
156	341	25156	-268641.1413	1016797.3170250766	39.663700263425206	-101.7530696	263833.0039266137	3404505.413	3591.4660133813787	3382.1499654343697	3280.1345250219038	90.281404541892846	102.01544012465894	102.12592024580513
157	341	25157	-267891.1413	1016797.3170250766	39.66371968379186	-101.750728	264034.0663834506	3404515.28930399	3588.5145763624254	3381.068905704517	3278.1671042196245	90.21898015566272	102.01544012465894	102.12592024580513
158	341	25158	-267321.1413	1016797.3170250766	39.66370187687005	-101.7483842	264235.12305102276	3404407.16557884	3581.56540666631	3379.55450666631	3278.929732361243	90.21898015566272	102.01544012465894	102.12592024580513
159	341	25159	-266661.1413	1016797.3170250766	39.66375328126556	-101.7460414	264436.1796	3404307.184207405	3575.199327108946	3378.929732361243	3278.929732361243	90.21898015566272	102.01544012465894	102.12592024580513
160	341	25160	-266001.1413	1016797.3170250766	39.6637393330833	-101.7436987	264637.2359793211	3404308.918250636	3567.41373313463	3377.832652687424	3271.032709255502	90.21898015566272	102.01544012465894	102.12592024580513
161	341	25161	-265341.1413	1016797.3170250766	39.66379181263422	-101.741356	264838.291894131	3404307.95789552	3559.63347759388	3376.7421885131407	3269.019732786826	90.2906265746713	102.01544012465894	102.12592024580513
162	341	25162	-264681.1413	1016797.3170250766	39.66380996703086	-101.7390133	265039.34767872386	3404306.673	3551.853357830493	3375.604266292074	3266.90415	90.2906265746713	102.01544012465894	102.12592024580513
163	341	25163	-264021.1413	1016797.3170250766	39.66382891	-101.7368706	265240.0432039581	340426.505422444	3548.7880288496348	3374.535287905435	3264.984530261147	90.2906265746713	102.01544012465894	102.12592024580513
164	341	25164	-263361.1413	1016797.3170250766	39.663846119009034	-101.734278	265441.4585172304	340422.428	3544.43060600252	3373.426043782785	3263.1905934818496	90.2906265746713	102.01544012465894	102.12592024580513
165	341	25165	-262701.1413	1016797.3170250766	39.663862423736667	-101.7319851	265642.5136412253	340418.305881298	3542.069422175603	3373.31326033581	3261.70019742874	90.2906265746713	102.01544012465894	102.12592024580513
166	341	25166	-262041.1413	1016797.3170250766	39.6638223040679	-101.7296424	265843.568968079	3404114.18410745	3538.7420241246453	3371.1971332460175	3260.37653184574	90.2906265746713	102.01544012465894	102.12592024580513
167	341	25167	-261381.1413	1016797.3170250766	39.66390017818962	-101.7272997	266044.6231	3404051.062466059	3536.944729572636	3370.08775015602	3258.1996532518483	90.2906265746713	102.01544012465894	102.12592024580513
168	341	25168	-260721.1413	1016797.3170250766	39.66391800871154	-101.7249569	266245.67521258	3404005.941055635	3533.6914573924351	3368.9647440058948	3258.129683480108	90.2906265746713	102.01544012465894	102.12592024580513
169	341	25169	-260061.1413	1016797.3170250766	39.66393593798337	-101.7226142	266446.7317	3404018.91867665	3530.45062985615	3367.85523835234	3257.08279533094	90.2906265746713	102.01544012465894	102.12592024580513
170	341	25170	-259401.1413	1016797.3170250766	39.6639357	-101.7202715	266647.7856770079	3403997.698923141	3527.203805767979	3366.75858195996	3256.195574309761	90.2906265746713	102.01544012465894	102.12592024580513
171	341	25171	-258741.1413	1016797.3170250766	39.66397153574761	-101.718738	266843.6838219355	3403947.288713955	3527.453747495451	3365.7438982751566	3255.45807138989	90.2906265746713	102.01544012465894	102.12592024580513
172	341	25172	-258081.1413	1016797.3170250766	39.6639823824358	-101.715586	267049.8209809606	3403989.458	3523.36300540648	3364.54124806259	3254.129495823555	90.2906265746713	102.01544012465894	102.12592024580513
173	341	25173	-257421.1413	1016797.3170250766	39.6640091448209	-101.7132433	267250.4565552266	3403985.337	3521.8847405081557	3363.439502075431	3252.93825825852	90.2906265746713	102.01544012465894	102.12592024580513
174	341	25174	-256761.1413	1016797.3170250766	39.66402454546308	-101.7109006	267451.9990739392	3403981.21743536	3520.406485509863	3362.34601576588	3251.685611036956	90.2906265746713	102.01544012465894	102.12592024580513
175	341	25175	-256101.1413	1016797.3170250766	39.66402451318654	-101.7085578	267653.0518621555	3403977.07925634	3518.015979260123	3361.23820139138	3250.4302957800483	90.2906265746713	102.01544012465894	102.12592024580513
176	341	25176	-255441.1413	1016797.3170250766	39.6640597165242	-101.7062151	267854.1044217037	3403972.971810391	3517.110525290227	3360.134473171148	3249.03390260474	90.2906265746713	102.01544012465894	102.12592024580513
177	341	25177	-254781.1413	1016797.3170250766	39.6640771698985	-101.7038723	268055.16675181175	3403951.068629497	3515.4057928918497	3359.1526861088515	3247.554222545725	90.2906265746713	102.01544012465894	102.12592024580513
178	341	25178	-254121.1413	1016797.3170250766	39.66405461681127	-101.701528	268254.2098546646	3403954.73860115	3513.701422578158	3358.9455674748	3246.944505791414	90.2906265746713	102.01544012465894	102.12592024580513
179	341	25179	-253461.1413	1016797.3170250766	39.664112021504224	-101.6991869	268457.2607	3403960.620181273	3512.5677840915046	3356.855819	3244.290003732073	90.2906265746713	102.01544012465894	102.12592024580513
180	341	25180	-252801.1413	1016797.3170250766	39.66412938093495	-101.6968441	268658.3127245165	3403956.502181187	3512.005647611556	3355.76289838249	3242.651022968379	90.2906265746713	102.01544012465894	102.12592024580513
181	341	25181	-252141.1413	1016797.3170250766	39.6641467	-101.6945014	268859.387978934	3403952.38779969	3511.442365430088	3354.68509366643	3240.975252170674	90.2906265746713	102.01544012465894	102.12592024580513
182	341	25182	-251481.1413	1016797.3170250766	39.6641639403662	-101.6921586	269060.415	3403948.26580839	3510.87926501044	3353.600870446403	3239.361771917376	90.2906265746713	102.01544012465894	102.12592024580513
183	341	25183	-250821.1413	1016797.3170250766	39.66418116789849	-101.6898159	269251.4659414281	3403944.71698532	3508.550102521697	3352.52963530003	3237.794119590835	90.2906265746713	102.01544012465894	102.12592024580513
184	341	25184	-250161.1413	1016797.3170250766	39.6641953610252	-101.6874732	269462.5167123737	3403940.02981469	3507.453747495451	3351.45679674584	3236.4302957800483	90.2906265746713	102.01544012465894	102.12592024580513
185	341	25185	-249501.1413	1016797.3170250766	39.6642155	-101.6851304	269663.561783819	3403937.184284741	3506.387369647415	3350.37819187140256	3235.01102474854	90.2906265746713	102.01544012465894	102.12592024580513
186	341	25186	-248841.1413	1016797.3170250766	39.664235267136915	-101.6827787	269864.6174643095	3403931.79523394	3503.261193742134	3349.322423805724	3233.922851054998	90.2906265746713	102.01544012465894	102.12592024580513
187	341	25187	-248181.1413	1016797.3170250766	39.6642496767234	-101.680449	270065.667518215	3403927.67822522	3501.61931425277	3348.2612845095728	3232.770939403196	90.2906265746713	102.01544012465894	102.12592024580513
188	341	25188	-247521.1413	1016797.3170250766	39.6642662713954	-101.6781022	270266.7175459524	3403923.561442476	3500.432264582764	3347.2038122398687	3231.679804531416	90.2906265746713	102.01544012465894	102.12592024580513
189	341	25189	-246861.1413	1016797.3170250766	39.66428352935855	-101.6757594	270467.769646688	3403919.44891006	3499.245175202525	3346.147302020226	3230.6388324666115	90.2906265746713	102.01544012465894	102.12592024580513
190	341	25190	-246201.1413	1016797.3170250766	39.664316646611012	-101.6734167	270688.8163216525	3403915.28537038	3498.058009457238	3345.05629687048	3229.29970510391	90.2906265746713	102.01544012465894	102.12592024580513
191	341	25191	-245541.1413	1016797.3170250766	39.66433416048376	-101.671078	270909.813145458	3403912.128715458	3496.92137145458	3344.02182719458	3228.16889196968	90.2906265746713	102.01544012465894	102.12592024580513
192	341	25192	-244881.1413	1016797.3170250766	39.66433416048376	-101.6687312	271070.9134626135	3403907.06624339	3495.763176731616	3343.071817410256	3227.031			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR/ElevLogs.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
25	241	251875	-190101.1413	1016797.3170250766	39.66657215	-101.4742791	287757.2088359728	4393566.285930115	3387.9760407573362	3325.868318759711	3128.0196281756844	102.8628702288406	107.84869040042646
276	341	251876	-189441.1413	1016797.3170250766	39.66585616203336	-101.4719362	287988.2395	4393562.18947277	3380.393534402212	3324.290658096167	3111.8809728150313	3132.2407199444501	107.84869077811357
277	341	251877	-188291.1413	1016797.3170250766	39.66585613132414	-101.4688634	288159.7826987125	4393558.993246693	3381.06644047236	3320.720492728615	3130.5198453359965	123.99652456256754	107.84869077811357
278	341	251878	-188121.1413	1016797.3170250766	39.6656110553455	-101.4672506	288360.3051375076	4393553.997294969	3381.157379684308	3305.6550178602026	3129.0139984463771	125.50203758828041	107.84869077811357
279	341	251879	-187461.1413	1016797.3170250766	39.66562380412398	-101.4649077	288561.3304	4393549.901	3356.7948437120695	3329.599808435931	3302.89491988787	126.37013164471411	107.84869077811357
280	341	251880	-186801.1413	1016797.3170250766	39.66563676763295	-101.4625469	288762.360231645	4393545.805949431	3347.5118141474054	3328.0486342329872	3300.7304625529396	131.26604733249733	107.84869077811357
281	341	251881	-186141.1413	1016797.3170250766	39.6656495588123	-101.4602222	288963.3499	4393541.710645327	3338.2287545027413	3326.50401108245	3099.503089	132.12233496471577	107.84869077811357
282	341	251882	-185481.1413	1016797.3170250766	39.6656222986887	-101.4587932	289144.419812151	4393537.1651571634	3324.96754898077	3324.96790110208	3093.018899197275	132.3627298515726	107.84869077811357
283	341	251883	-184821.1413	1016797.3170250766	39.6656479958575	-101.4558564	289355.468697125	4393532.92728515	3325.82654587476	3323.4397568395967	3098.1576504527345	131.191815689472345	107.84869077811357
284	341	251884	-184161.1413	1016797.3170250766	39.66565794961915	-101.4531395	289566.47771564	4393529.42	3323.16548575039	3321.6202987140647	3097.77602309897	131.1787330535164	107.84869077811357
285	341	251885	-183501.1413	1016797.3170250766	39.6657002565732	-101.4508507	289767.5065064885	4393525.331733989	3320.746312554402	3320.408957302054	3100.438997732254	115.6840623897488	119.9707799791419
286	341	251886	-182841.1413	1016797.3170250766	39.6657182181977	-101.4485078	289968.531356318	4393521.23376618	3332.32411874805	3318.910062047396	3100.776586074041	118.13349397695492	105.5810131967827
287	341	251887	-182181.1413	1016797.3170250766	39.6657253489576	-101.446165	290169.563587127	4393517.14361686	3331.3243843017825	3317.4217260854	3100.804114460724	116.1058058089857	106.51558388189708
288	341	251888	-181521.1413	1016797.3170250766	39.66573780632498	-101.4438221	290370.5918762694	4393510.490969319	3334.762201995516	3315.945227149398	3099.9693345302404	115.988915661534	106.3560196079665
289	341	251889	-180861.1413	1016797.3170250766	39.6657502248706	-101.4414793	290571.61898991914	4393508.96509314	3368.199585956287	3314.484383359948	3099.252136793943	115.926637818194	106.3560196079665
290	341	251890	-180201.1413	1016797.3170250766	39.66576261338929	-101.4391364	290772.6476927863	4393504.863280234	3381.629729926014	3312.037711463436	3098.0946918711443	112.8003145802036	115.926637818194
291	341	251891	-179541.1413	1016797.3170250766	39.66577490492816	-101.4367398	290973.6729255595	4393500.770281472	3387.632929375454	3311.604328697732	3096.771150552527	109.76819587680496	107.84869077811357
292	341	251892	-178881.1413	1016797.3170250766	39.66577824	-101.4344508	291174.7026887115	4393496.617531218	3386.2055643036875	3310.183347182204	3095.5317688619953	110.16157548522512	109.4157545152527
293	341	251893	-178221.1413	1016797.3170250766	39.66579944542645	-101.4321079	291375.7299	4393482.584967454	3384.778199	3308.7225570625794	3093.299558211	114.3769975046793	109.740603017865
294	341	251894	-177561.1413	1016797.3170250766	39.66581166438391	-101.4297651	291576.756652321	4393482.06822606	3383.35034160693	3307.366909718763	3093.487439831108	109.745662044057	110.16157548522512
295	341	251895	-176901.1413	1016797.3170250766	39.66582383890636	-101.4274222	291777.783647098	4393484.400954131	3381.48134798501	3305.96573574908	3092.288625949672	109.745662044057	110.16157548522512
296	341	251896	-176241.1413	1016797.3170250766	39.66583584815982	-101.4250794	291978.8102233657	4393480.308745135	3378.67140770046	3304.558389113906	3091.167175491	109.745662044057	110.16157548522512
297	341	251897	-175581.1413	1016797.3170250766	39.66584722890276	-101.422784	292179.65974553	4393478.17129308	3376.812589141525	3303.54181997625	3090.07833442428	109.745662044057	110.16157548522512
298	341	251898	-174921.1413	1016797.3170250766	39.6658900120353	-101.4203936	292380.8627645739	4393472.12	3374.546525149611	3301.665341733752	3089.864228976452	109.745662044057	110.16157548522512
299	341	251899	-174261.1413	1016797.3170250766	39.66587200475577	-101.4180508	292581.88873219595	4393463.84059028	3372.26634595858	3300.1470985468586	3088.77922519363103	117.34197918137	111.888790070688
300	341	251900	-173601.1413	1016797.3170250766	39.6658839034689	-101.4157079	292782.914494439	4393463.93645652	3372.01937353049	3300.196328957754	3088.627066276873	109.745662044057	110.16157548522512
301	341	251901	-172941.1413	1016797.3170250766	39.66589816076876	-101.4133651	292983.9405535752	4393457.2907536	3372.771087255739	3300.924097091919	3086.14727326349598	109.745662044057	110.16157548522512
302	341	251902	-172281.1413	1016797.3170250766	39.66590763345686	-101.4110222	293184.9654	4393445.76206933	3372.5242411532927	3300.222994004434	3084.65442670993	109.745662044057	110.16157548522512
303	341	251903	-171621.1413	1016797.3170250766	39.6659145791622504	-101.4087674	293385.9196259108	4393438.727237376	3374.78181997625	3303.54181997625	3090.07833442428	109.745662044057	110.16157548522512
304	341	251904	-170961.1413	1016797.3170250766	39.66593119359974	-101.4053285	293584.755270995	4393430.499073968	3391.7798150521	3302.150564592621	3097.1887100570766	110.15005401672717	109.745662044057
305	341	251905	-170301.1413	1016797.3170250766	39.665942955844	-101.4039037	293788.4026018535	4393443.49249838	3384.307878	3300.034313298466	3090.19460209979	109.745662044057	110.16157548522512
306	341	251906	-169641.1413	1016797.3170250766	39.66594552308854	-101.401658	293989.06407943	4393439.40266678	3389.074856239633	3308.2765798271316	3079.145826236496	109.745662044057	110.16157548522512
307	341	251907	-168981.1413	1016797.3170250766	39.665966167731536	-101.3993079	294190.0891524904	4393433.312465111	3390.691406384937	3308.156688581213	3078.091471973953	109.745662044057	110.16157548522512
308	341	251908	-168321.1413	1016797.3170250766	39.665976133	-101.3969651	294391.113294387	4393431.254396326	3388.169506365735	3308.173459467	3076.6604304180537	108.0291525265352	102.581331402586
309	341	251909	-167661.1413	1016797.3170250766	39.665985692591294	-101.3946222	294592.137295104	4393427.15371315	3387.64714898087	3307.964634589165	3075.37627950246	108.0291525265352	102.581331402586
310	341	251910	-167001.1413	1016797.3170250766	39.6659972659164	-101.392274	294793.16974553	4393424.07102971	3386.12589141525	3307.1211350063	3074.0792574827486	108.0291525265352	102.581331402586
311	341	251911	-166341.1413	1016797.3170250766	39.66601215708986	-101.3899865	294984.185120356	4393405.705856	3385.058162288975	3307.432868327	3072.800246720488	108.0291525265352	102.581331402586
312	341	251912	-165681.1413	1016797.3170250766	39.6660234216494	-101.3875936	295195.207850141	4393414.87042581	3384.3782351382	3307.176559451051407	3071.5373883300747	108.0291525265352	102.581331402586
313	341	251913	-165021.1413	1016797.3170250766	39.6660346206442	-101.3852508	295396.2308666203	4393410.782613458	3383.9187932734984	3307.176559451051407	3071.5373883300747	108.0291525265352	102.581331402586
314	341	251914	-164361.1413	1016797.3170250766	39.66604617669259	-101.3829079	295597.2532267678	4393406.68941402	3383.201773795785	3307.04056221682	3069.845909343535	108.0291525265352	102.581331402586
315	341	251915	-163701.1413	1016797.3170250766	39.66605742066424	-101.38065	295798.276856375	4393402.80746572	3381.482915658628	3307.304734514964	3069.845909343535	108.0291525265352	102.581331402586
316	341	251916	-163041.1413	1016797.3170250766	39.666065800174422	-101.3783222	295999.299193309	4393398.52	3379.6324685731	3307.1051666	3068.176059322481	108.0291525265352	102.581331402586
317	341	251917	-162381.1413	1016797.3170250766	39.666076319559	-101.3759162	296199.492967663	4393394.1991158	3378.4341328196184	3306.9341328196184	3067.045909343535	108.0291525265352	102.581331402586
318	341	251918	-161721.1413	1016797.3170250766	39.6660909025717	-101.3735364	296401.343655089	4393390.34641362	3377.0781464087	3306.97707499847	3066.0881960607	108.0291525265352	102.581331402586
319	341	251919	-161061.1413	1016797.3170250766	39.66610170935905	-101.3711396	296602.36501394	4393386.259738605	3369.75185451477	3306.12824427548	3065.04434	108.0291525265352	102.581331402586
320	341	251920	-160401.1413	1016797.3170250766	39.6661129399998	-101.3688507	296803.3733905985	4393382.17566456	3366.027401328425	3305.324061313535	3059.23818208713	108.0291525265352	102.581331402586
321	341	251921	-159741.1413	1016797.3170250766	39.66612397180246	-101.3665078	297004.408779912	4393378.0874979	3362.300484115087	3305.122529300847	3057.0525240862507	108.0291525265352	102.581331402586
322	341	251922	-159081.1413	1016797.3170250766	39.66613490434334	-101.364165	297205.4032162						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRELEVLogKrg.ft	BRELEVOrthKrg.ft	SatHtLogKrg.ft	SatHtOrth.ft
401	341	252001	-106941.1413	101679.7310250766	39.66685554675549	-101.7790762	313085.055	4393051.945049040	3223.250955274533	4636.6208148425417	2965.2915752380273	2958.28059658326846	81.32906246226687	88.33949088508706
402	341	252002	-106281.1413	101679.7310250766	39.666825830703	-101.776333	313266.51140337764	4393047.878443355	3226.237683348578	4635.4956898703928	2964.793399720263	2959.45549117575	80.2962569963647	86.00510458281757
403	341	252003	-106221.1413	101679.7310250766	39.666870124589526	-101.774904	313487.517	4393041.81211819	3228.622177238493	4634.712328495335	2964.5173258289973	2958.7232895973	79.44485371	84.19226349893754
404	341	252004	-104961.1413	101679.7310250766	39.6668734562098	-101.776034	313688.523045287996	4393046.742710087	3234.4044369328799	4634.200741717247	2964.2023116419296	2958.198857216704	79.9894303751363	80.0184409556777
405	341	252005	-104301.1413	101679.7310250766	39.66688452138339	-101.697405	313889.5289921596	4393031.67437857	3222.18669635214	4634.103771015414	2963.077117170726	2957.894987998905	79.02659989978474	84.20876307152088
406	341	252006	-103641.1413	101679.7310250766	39.66689165188272	-101.673616	314090.53367596	4393030.6189925165	3219.968953312795	4634.02875194399	2961.70996926898	2957.58452582382	79.01424087650092	83.4962144660184
407	341	252007	-102981.1413	101679.7310250766	39.666898737118956	-101.650187	314291.5931000000	4393027.545	3215.89172568142758	4634.098989649837	2957.0588404934697	2957.47667512	82.91671216282870	79.72961343857332
408	341	252008	-102321.1413	101679.7310250766	39.6669057709208	-101.626758	314492.544160375	4393023.74899876	3209.954864829645	4634.035864287916	2956.48752626894	2956.216625080243	79.4533380189742	83.04469314863732
409	341	252009	-101661.1413	101679.7310250766	39.66691721780296	-101.603739	314693.5489852334	4393019.6182684692	3207.932222193215	4634.016286485335	2956.342572778162	2956.528922416001	79.53898494140301	84.0226987518357
410	341	252010	-101001.1413	101679.7310250766	39.66691572148995	-101.578969	314894.553252421	4393015.347020401	3198.01525698034	4634.03767854538	2957.2557052296	2957.852459251176	79.6898428425459	79.09025129252615
411	341	252011	-100341.1413	101679.7310250766	39.66692655432744	-101.55647	315095.580920045	4393011.28162592	3183.215348842739	4634.0357822682495	2956.073839800206	2957.6826057294456	79.869266516693	78.2901733808384
412	341	252012	-99681.1413	101679.7310250766	39.6669334435333	-101.533041	315296.5623712956	4393007.21646023	3184.019642154515	4634.037604024655	2954.9980248802625	2956.61869589160	80.01957913202026	78.3989813789953
413	341	252013	-99021.1413	101679.7310250766	39.6669402801076	-101.509612	315497.5664792195	4393003.15152489	3185.623935466904	4634.029755566244	2953.930567304062	2956.428889453325	80.142408305623	78.11068062
414	341	252014	-98361.1413	101679.7310250766	39.66694706044994	-101.486182	315698.5704023806	4392999.07	3181.82227871283267	4634.033405111391	2952.7733529176953	2953.233689131554	80.205219369549	78.9130219823546
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416	341	252016	-97041.1413	101679.7310250766	39.66696046740717	-101.439324	316100.5778	4392990.95802483	3172.498602516379	4634.0328240680523	2950.25971985524	2951.504889165042	81.0222678852298	79.6873511501046
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419	341	252019	-95061.1413	101679.7310250766	39.6669802943125	-101.369036	316703.5874240674	4392978.767	3160.15705626027	4634.02891309476551	2946.5818579114803	2947.27490172801	82.00945156507078	81.3164082060681
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421	341	252021	-93741.1413	101679.7310250766	39.6669931779767	-101.322178	317105.5924376854	4392970.64	3149.669314850195	4634.01862298193	2944.5171260253	2943.9449219250415	82.7602486739996	81.9357403169135
422	341	252022	-93081.1413	101679.7310250766	39.6669995049599	-101.298748	317306.594	4392965.77428596	3144.425531445296	4634.01628648576	2943.0193172445747	2943.210635444525	83.0346732692262	82.8440690417509
423	341	252023	-92421.1413	101679.7310250766	39.6670054110867	-101.275313	317507.515740124	4392961.51	3142.529915127883	4634.014082892497	2942.045140836993	2942.58371273948	83.17802032172963	84.5784137172942
424	341	252024	-91761.1413	101679.7310250766	39.6670122687266	-101.25189	317708.59983205	4392958.45237625	3140.93536950524	4634.0148559	2940.733183830933	2941.52843684477	83.715243007736	82.9209477623151
425	341	252025	-91101.1413	101679.7310250766	39.6670183710335	-101.228461	317909.60194346	4392953.39019436	3138.563203988537	4634.0158221917	2939.568847411998	2940.421762624257	84.1024108099212	83.2465517600018
426	341	252026	-90441.1413	101679.7310250766	39.6670245660075	-101.205031	318110.603628894	4392950.32841792	3136.2704094615	4634.016547372	2938.379132755646	2939.357404730378	84.52520825	83.5486704399443
427	341	252027	-89781.1413	101679.7310250766	39.6670370395777	-101.181602	318311.052237423	4392945.26819854	3135.5691910037867	4634.0145413617375	2937.143931882237	2938.29660294176	84.8990212795015	83.8348012066156
428	341	252028	-89121.1413	101679.7310250766	39.6670371286074	-101.158173	318512.6064955224	4392942.20504295	3133.496635220041	4634.0139943122843	2935.7831665519393	2937.2394965740355	85.6162696	84.1599303828485
429	341	252029	-88461.1413	101679.7310250766	39.66704316021049	-101.134783	318710.5789852514	4392938.143760861	3131.3700789584912	4634.012635173823	2934.5704818103812	2936.5769273402787	85.67829376988137	84.69263376988137
430	341	252030	-87801.1413	101679.7310250766	39.66704974072049	-101.111314	318914.60897086724	4392934.08727567	3129.427619252544	4634.019787485964	2933.05167353948	2933.980219129963	84.8453142983946	84.7870436958968
431	341	252031	-87141.1413	101679.7310250766	39.66705520383082	-101.087885	319151.60966784	4392930.01201115	3126.747631377937	4634.012635173823	2931.9126371022048	2931.94374673055	84.82530350745013	84.82530350745013
432	341	252032	-86481.1413	101679.7310250766	39.66706115748563	-101.064456	319316.6105848175	4392925.361349343	3123.80178939887	4634.01496805019868	2927.254620970706	2931.301261858706	85.124284049156	85.1954316160838
433	341	252033	-85821.1413	101679.7310250766	39.66706707	-101.041026	319517.6113016534	4392921.90097138	3120.85526624531	4634.017789839043	2924.88919091586	2932.319263284408	82.8849740654734	85.45563051363843
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436	341	252036	-83841.1413	101679.7310250766	39.6670845142049	-100.970739	320120.6117072053	4392909.121332841	3118.126362371054	4634.0157627513823	2919.4204519034647	2920.933022173883	87.192005369693	84.5784137172942
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439	341	252039	-81861.1413	101679.7310250766	39.66710155589284	-100.90005	320723.610707547	4392897.53732554	3112.301740771534	4634.01303346891387	2913.6247437961033	2925.4965356128014	89.4084030573241	87.5366117230433
440	341	252040	-81201.1413	101679.7310250766	39.66710716	-100.877021	320924.61	4392893.4849108	3110.44907217094	4634.0121836953655	2912.621620740181	2920.6949110000414	89.51696132788452	84.412325494
441	341	252041	-80541.1413	101679.7310250766	39.6671170352363	-100.853592	321125.6091790727	4392889.842479823	3109.561687370254	4634.01204473458336	2911.768871837905	2914.761468859391	89.4356016124313	94.46282656498966
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444	341	252044	-78561.1413	101679.7310250766	39.66712970793415	-100.783304	321728.6055577613	4392877.25213181	3103.855500279459	4634.017957849856	2908.75654267916	2907.361703538883	89.193517000045	95.7850767587741
445	341	252045	-77901.1413	101679.7310250766	39.66713440329267	-100.759874	321929.604036919							

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREVELogKgr.f	BREVEBothKgr.f	SatThkBoth.f	SatThkBoth.ft
53	341	252253	59378.8586730335	10.6719737310250766	39.667266546395446	-00.5886538	33733.82292029454	4320304.185351841	2780.3796630593592	2600.920567320964	2660.672744410224	2661.013870893291	0.2982291074004024
534	341	252254	60038.8586730335	10.6719737310250766	39.66726245144897	-00.5863108	36334.78981774666	4320300.175485707	2775.484829581027	2659.684677996263	2658.8058819452076	2658.9058514866496	0.7443271071756863
535	341	252255	60688.8586730335	10.6719737310250766	39.66725801123889	-00.5836978	36435.75614904455	4320326.16341927	2785.81900878723	2658.716629018633	2658.815472689546	2658.917768877932	1.53037721284646
536	341	252256	61358.8586730335	10.6719737310250766	39.66725412576463	-00.5811625	36572.236219736	4320312.16457015	2771.59613048532	2657.353455178274	2656.728323487537	2656.956533712971	2.620519313132824
537	341	252257	62018.8586730335	10.6719737310250766	39.66724898502675	-00.579282	364537.688921592	43203018.172451919	2770.635212814229	2656.219076112327	2656.725559869399	2656.303861077233	3.537067755233224
538	341	252258	62678.8586730335	10.6719737310250766	39.6672451902511	-00.5769391	3647.385516066784	4320314.13825506	2769.67424930327	2655.108373572617	2650.4132860581294	2649.65154208289	3.848112613214194
539	341	252259	63338.8586730335	10.6719737310250766	39.66724179759695	-00.5745961	364839.6211547038	4320310.12966603	2768.4557318186493	2654.026193380004	2648.672456059105	2647.9387755233962	4.534692879474229
540	341	252260	63998.8586730335	10.6719737310250766	39.66723693123051	-00.5722532	365140.5870734757	4320306.112604995	2762.947308340379	2652.95470810375	2647.7522702676282	2646.54530298947	5.20248737486673
541	341	252261	64658.8586730335	10.6719737310250766	39.66723201194755	-00.5697102	365341.5526831678	4320302.17296987	2765.493234884238	2651.809811758274	2646.855095184022	2646.438474163385	5.87493718691924
542	341	252262	65318.8586730335	10.6719737310250766	39.66722802339001	-00.5673673	365542.5185240475	4320298.105	2764.071301274734	2650.986045178274	2644.807621370905	2645.33818118733	6.57224750202421
543	341	252263	65978.8586730335	10.6719737310250766	39.6672235600640	-00.5652244	365743.480562576	4320294.09624031	2762.958106325241	2649.839076187754	2644.660345825	2643.971389726857	5.436905052182938
544	341	252264	66638.8586730335	10.6719737310250766	39.66721912476316	-00.5628814	365944.444602063	4320290.9833209	2761.24852678006	2648.91486282857	2643.108289	2643.8384894022824	5.9719692517202
545	341	252265	67298.8586730335	10.6719737310250766	39.66721451962843	-00.5605385	366145.417435587	4320287.931	2760.89951034731	2647.93946245913	2642.3101070450186	2642.93380400845395	4.86171010292729
546	341	252266	67958.8586730335	10.6719737310250766	39.66720978151687	-00.5581955	366346.3739803157	4320282.07430311	2758.5457333984764	2646.998581370406	2641.623473274675	2641.67338489373843	4.54796312141189
547	341	252267	68618.8586730335	10.6719737310250766	39.66720509814158	-00.5558526	366547.3440027931	4320279.106752127	2756.9400776989467	2646.073204953564	2640.8333761791998	2641.80262681913073	5.139828162
548	341	252268	69278.8586730335	10.6719737310250766	39.66720036930295	-00.5535097	366748.3097347075	4320274.161237401	2754.213083373114	2645.1679951243256	2639.94451054591	2641.222278686644	5.22245548973454
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551	341	252271	71258.8586730335	10.6719737310250766	39.6671859120035	-00.5464808	367351.20370731904	4320262.05253509	2747.6364078190095	2642.5586922327	2637.744466957757	2637.8313545220684	6.41129965470132
552	341	252272	71918.8586730335	10.6719737310250766	39.6671810230399	-00.5441379	367552.168090927	4320258.031	2746.688185	2641.7292516522216	2637.5570100564746	2637.05012602424	6.16824600474934
553	341	252273	72578.8586730335	10.6719737310250766	39.66717667350111	-00.541795	367753.1324479153	4320253.03123878	2745.739240196547	2640.94219695477	2636.6458055051094	2637.121290342764	4.25841190367603
554	341	252274	73238.8586730335	10.6719737310250766	39.66717104712913	-00.539452	367954.0657585463	4320249.125914248	2744.791678431252	2640.10339706028	2635.5387642952573	2636.194594747926	4.58641396758854
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556	341	252276	74558.8586730335	10.6719737310250766	39.66716010963314	-00.5347692	368355.02461594152	4320241.01563513	2743.1165853791025	2638.55534880954	2633.614570072497	2633.673030307376	5.428042453
557	341	252277	75218.8586730335	10.6719737310250766	39.6671557488447	-00.5324232	368556.98821434844	4320239.01319131	2742.8163805754263	2637.8089521152525	2633.5149136060797	2632.611416968603	6.265025105
558	341	252278	75878.8586730335	10.6719737310250766	39.66715053690044	-00.5300803	368765.9518415414	4320234.06089187	2741.2145135689276	2637.074692212004	2629.363874493115	2630.57230057402	7.107107463
559	341	252279	76538.8586730335	10.6719737310250766	39.66714536707001	-00.5277373	368959.9154337995	4320230.0272648	2739.368538341327	2636.358638341327	2628.6007336413345	2628.6200189017604	8.759072192797701
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563	341	252283	79178.8586730335	10.6719737310250766	39.66712400827826	-00.5183856	369792.7681013035	4320213.9169667008	2736.34169667008	2623.44392479257	2618.491201253246	2618.491201253246	15.152480420649806
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565	341	252285	80498.8586730335	10.6719737310250766	39.66711306	-00.5133678	370164.693734901	4320205.9824455	2730.4528598564	2622.350429381114	2617.31312074827	2617.44189541703	18.04008605052258
566	341	252286	81158.8586730335	10.6719737310250766	39.6671071391726	-00.5111368	370365.6563611146	4320201.9782047	2728.506241047525	2621.71162953871	2616.91225421036	2616.91225421036	19.82696759430645
567	341	252287	81818.8586730335	10.6719737310250766	39.66710152596999	-00.5088938	370566.618870225	4320197.74744354	2727.9153396428	2621.04942541624	2616.87179530585	2616.87179530585	22.0084727374462
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570	341	252290	83798.8586730335	10.6719737310250766	39.6670848774491	-00.5019651	371169.0504605765	4320185.97110405	2725.200437807961	2620.1344227138936	2610.736192639195	2620.2276879157	27.398264250598305
571	341	252291	84458.8586730335	10.6719737310250766	39.66707911804564	-00.4996221	371370.467627068	4320181.92054353	2724.06369897512	2620.3043668232	2599.5278273426084	2599.5278273426084	29.760733913381
572	341	252292	85118.8586730335	10.6719737310250766	39.667073	-00.4972792	371571.4236536685	4320177.96902743	2723.0448101140964	2620.212236321422	2596.85026965309	2596.85026965309	32.993733269586
573	341	252293	85778.8586730335	10.6719737310250766	39.6670674285276	-00.4949833	371772.391321542	4320173.08802299	2722.0429803276	2620.948377850754	2594.046521951902	2594.046521951902	35.13424003
574	341	252294	86438.8586730335	10.6719737310250766	39.66706157301164	-00.4925933	371963.967246912	4320169.10362585	2721.0150362585	2620.41945293033	2593.251317	2591.981299683046	3.3684321085341
575	341	252295	86998.8586730335	10.6719737310250766	39.66705561666166	-00.4903068	372174.3149353066	4320165.34989068	2720.08534989068	2619.53459849068	2592.53459849068	2592.53459849068	32.648848461257274
576	341	252296	87758.8586730335	10.6719737310250766	39.6670497538177	-00.4874075	372375.27594833	4320161.9613779	2719.065496277645	2621.8943961177	2598.01786139703	2598.01786139703	35.6882049046765
577	341	252297	88418.8586730335	10.6719737310250766	39.6670434930503	-00.4855646	372576.237175485	4320157.96822315	2718.013696328115	2620.5166613230126	2583.8713760746573	2584.48582675083	36.63524853352
578	341	252298	89078.8586730335	10.6719737310250766	39.66703746276075	-00.4832216	372777.198346965	4320153.96416102	2716.913465740034	2582.14126434365	2582.530480473068	2582.530480473068	36.963531076571
579	341	252299	89738.8586730335	10.6719737310250766	39.66703133	-00.4808787	372978.1597276685	4320149.76677008	2715.87175834				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRLEvLogsKrg.ft	BRLEvBothKrg.ft	Ats1984Krg.ft	SurT1Both.ft
1	342	25237	-345861.1413	101.745737310250766	39.66304787271967	-102.0271888	24031.8486995808	43947.048550787	3497.556658072825	3728.2789690721467	3446.3267133502977	3429.60648916467	41.9519847218493	59.2117438049998
2	342	25238	-345201.1413	101.745737310250766	39.66311752979895	-102.0248462	24051.9322502597	43947.3677030972	3497.199024954124	3486.096343563302	3444.69650431483	3424.713799883944	61.92174665507605	61.92174665507605
31	342	25231	-344661.1413	101.745737310250766	39.66309623448677	-102.025936	24077.4173454191	43947.9215317386	3498.916931681121	3483.963175048319	3443.1584819887514	40.1584819887514	64.737326	64.737326
42	342	25232	-343881.1413	101.745737310250766	39.66311880274045	-102.0200161	24095.1028329646	43947.2840173082	3496.470743424004	3481.879497	3442.765451280955	41.2337951864287	61.159622056361	68.64154215
43	342	25233	-343221.1413	101.745737310250766	39.66314238874027	-102.0178184	24111.1867647272	4394.735712508293	3496.337671550075	3479.8517382184455	3441.707719516387	3406.211397740817	61.941870230677	73.64034117
44	342	25234	-342561.1413	101.745737310250766	39.663163094386785	-102.0154758	24137.217010893413	4394.720.10065446	3490.401458220374	3477.884246510974	3440.88702309586	3399.66247844293	36.9927127138814	78.2217577614495
45	342	25235	-341901.1413	101.745737310250766	39.66318937297974	-102.0131331	24158.35189152014	4394.751.95048048	3496.461394815748	3475.981394815748	3440.05311279006	3397.987388295417	54.92820343	77.940065295322
46	342	25238	-341241.1413	101.745737310250766	39.66321279721911	-102.0170095	24179.43897249285	4394.71.00802896	3496.53683156034	3474.145357219904	3439.45335378221	3400.585768810338	62.920434376944	73.55895891145247
47	342	25237	-340581.1413	101.745737310250766	39.66326176204855	-102.008478	24190.52253025915	4394.72.00802896	3496.53683156034	3472.27613270753	3439.458148122536	3403.990436975944	62.920434376944	73.55895891145247
48	342	25238	-339921.1413	101.745737310250766	39.66326951	-102.0051053	24211.0253259153	4394.73.01320087	3501.448450457684	3470.67741758518	3437.762456433517	3407.0272341164876	62.920434376944	73.55895891145247
49	342	25239	-339261.1413	101.745737310250766	39.6632827984152	-102.0037628	24232.6888797964	4394.74.00256976	3504.700255842935	3469.027045299397	3436.91406059175	3409.86211159162	62.920434376944	73.55895891145247
50	342	25239	-338601.1413	101.745737310250766	39.6633061613681	-102.00142	24253.7216719812	4394.695.203	3507.9522047191717	3461.441727390636	3436.298093430098	3411.920438229402	55.52128916123411	73.55895891145247
51	342	25239	-337941.1413	101.745737310250766	39.6632923961054	-101.9990774	24272.8542093832	4394.691.0523855	3512.02361331334	3465.901111782256	3435.905032719766	3411.920438229402	55.52128916123411	73.55895891145247
52	342	25239	-337281.1413	101.745737310250766	39.663325322741	-101.9967347	24295.3964292132	4394.686.90596552	3517.124966734073	3464.430938354463	3435.0367592176	3411.920438229402	55.52128916123411	73.55895891145247
53	342	25239	-336621.1413	101.745737310250766	39.66337549979038	-101.9943921	24327.01852607137	4394.686.90596552	3522.305129133816	3463.003719052074	3434.595326774425	3411.920438229402	55.52128916123411	73.55895891145247
54	342	25234	-335961.1413	101.745737310250766	39.66339851999365	-101.9920495	24338.1020496948	4394.678.90927947	3527.396021753354	3461.625508713574	3433.9184046951336	3422.698235747044	57.70170218	78.927711265299
55	342	25239	-335301.1413	101.745737310250766	39.66342158	-101.9897768	24358.1818153163	4394.674.61419545	3529.86017553259	3460.296717526487	3433.221576411233	3424.38055499893	57.70170218	78.927711265299
56	342	25239	-334641.1413	101.745737310250766	39.66344550655385	-101.9873642	243730.2630819513	4394.670.73192327	3530.057175259026	3459.01542988102	3426.2114111233	3426.2114111233	57.70170218	78.927711265299
57	342	25237	-333981.1413	101.745737310250766	39.66346747102266	-101.9850216	243931.3440949504	4394.666.16637343	3530.1352455832783	3457.781093071747	3432.912862604375	3427.890899371968	57.70170218	78.927711265299
58	342	25238	-333291.1413	101.745737310250766	39.66349035829503	-101.9826789	244132.4248546701	4394.662.01923413	3530.212766270434	3456.943627707815	3431.8567989797843	3428.19282751918	57.70170218	78.927711265299
59	342	25239	-332681.1413	101.745737310250766	39.66351319423316	-101.9803263	24433.50336125398	4394.657.47230498	3532.411001663984	3452.773497239635	3429.684435821386	3426.57474702788	57.70170218	78.927711265299
60	342	25240	-332001.1413	101.745737310250766	39.66353946417985	-101.977936	24454.58561491562	4394.653.75007405	3536.726562065039	3454.35158800308	3427.41463604309	3424.532877060178	57.70170218	78.927711265299
61	342	25240	-331321.1413	101.745737310250766	39.66356170359811	-101.975651	24479.4249165886	4394.649.6214213	3538.521763987424	3450.307154203619	3424.532877060178	3424.532877060178	57.70170218	78.927711265299
62	342	25240	-330681.1413	101.745737310250766	39.66358143	-101.9733093	24496.7534629197	4394.645.43209653	3545.374144447818	3452.26858654443	3424.342791115713	3421.385652705104	57.70170218	78.927711265299
63	342	25240	-330021.1413	101.745737310250766	39.6636040544536	-101.9709567	245137.824604151	4394.641.28609419	3546.471668475266	3451.283383538895	3421.88536358895	3420.461125136949	57.70170218	78.927711265299
64	342	25240	-329361.1413	101.745737310250766	39.66362695112406	-101.968623	24533.9841045278	4394.637.14116101	3546.552228313446	3450.3357611932097	3420.6711834946	3419.753261522075	57.70170218	78.927711265299
65	342	25240	-328701.1413	101.745737310250766	39.6636492595205	-101.9662804	245539.9830959166	4394.632.99606195	3544.420993931027	3449.423861	3419.161534	3418.786255048508	57.70170218	78.927711265299
66	342	25240	-328041.1413	101.745737310250766	39.6636717786319	-101.9638377	245741.06183770418	4394.628.46033944	3543.17448348921	3443.174483121385	3418.48010205984	3415.583555966275	57.70170218	78.927711265299
67	342	25240	-327381.1413	101.745737310250766	39.6636942528679	-101.9619815	245942.580232584	4394.625.173867854	3548.521763987424	3447.73973819986	3410.179911331379	3410.179911331379	57.70170218	78.927711265299
68	342	25241	-326721.1413	101.745737310250766	39.66371266172583	-101.9595254	246134.2186573214	4394.620.55034366	3547.42025548344	3446.910885427138	3408.154103073138	3408.154103073138	57.70170218	78.927711265299
69	342	25240	-326061.1413	101.745737310250766	39.663739064630256	-101.9569098	24634.29655036452	4394.616.41785529	3547.02268526597	3446.130019806896	3404.32950283556	3406.889862406476	57.70170218	78.927711265299
70	342	25240	-325401.1413	101.745737310250766	39.66376142770035	-101.9545671	246545.34726143	4394.612.74150568	3548.340572809775	3445.39037494549	3401.25101606048	3405.192801315461	57.70170218	78.927711265299
71	342	25241	-324741.1413	101.745737310250766	39.6637839655513	-101.9522245	246746.4517712688	4394.608.12723795	3548.886308156038	3444.673986014251	3400.20717599611	3400.20717599611	57.70170218	78.927711265299
72	342	25242	-324081.1413	101.745737310250766	39.66380594328549	-101.9498818	246947.5200594717	4394.603.93365242	3549.043356759324	3443.9763952417	3399.6625666435475	3404.204124917082	57.70170218	78.927711265299
73	342	25243	-323421.1413	101.745737310250766	39.663828145696102	-101.9475391	247148.6059038552	4394.599.84	3549.18026899949	3443.277397133407	3399.34289040232	3404.4073752416647	57.70170218	78.927711265299
74	342	25243	-322761.1413	101.745737310250766	39.66384922715334	-101.945195	247349.6280274228	4394.595.09824204	3549.256914276428	3442.543643437878	3399.423463437878	3404.4073752416647	57.70170218	78.927711265299
75	342	25243	-322101.1413	101.745737310250766	39.66387241465806	-101.942838	247559.759305203	4394.591.55301072	3549.317723912805	3441.774027358811	3399.376924358811	3404.4073752416647	57.70170218	78.927711265299
76	342	25246	-321441.1413	101.745737310250766	39.66389446129554	-101.9405111	247751.8355447704	4394.587.41005707	3549.020585173297	3440.911311	3399.024475079391	3400.657304396467	57.70170218	78.927711265299
77	342	25247	-320781.1413	101.745737310250766	39.6639165062552	-101.9381685	247952.9152881785	4394.583.26704668	3549.097523333853	3398.347612046071	3399.689533156908	3401.928158731432	57.70170218	78.927711265299
78	342	25248	-320121.1413	101.745737310250766	39.66393847872648	-101.9358258	248153.98726615147	4394.579.12789943	3549.38283646285	3397.105016628184	3397.105016628184	3401.928158731432	57.70170218	78.927711265299
79	342	25249	-319461.1413	101.745737310250766	39.6639604957239	-101.9334813	248355.0673348162	4394.574.98250759	3549.36977269559	3397.98207118952	3396.453793648437	3396.2802896237	57.70170218	78.927711265299
80	342	25240	-318801.1413	101.745737310250766	39.6639825917635	-101.9311404	248556.13799216103	4394.570.84054718	3549.353753943602	3396.453793648437	3396.453793648437	3401.928158731432	57.70170218	78.927711265299
81	342	25241	-318141.1413	101.745737310250766	39.6640036179525	-101.928651	248759.68196446	4394.565.10821954	3549.345612935184	3396.453793648437	3396.453793648437	3401.928158731432	57.70170218	78.927711265299
82	342	25242	-317481.1413	101.745737310250766	39.664025930576324	-101.9264551	248958.2772538234	4394.561.50570476	3549.33757628	3396.453793648437	3396.453793648437	3401.928158731432	57.70170218	78.927711265299
83	342	25243	-316821.1413	101.745737310250766	39.6640476804848	-101.9241124	249159.36221691033	4394.558.415700835	3549.35469396540	3396.453793648437	3396.4537936			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtLog.f	SatHtBoth.f
165	342	252055	-262701.1413	101.745737310250766	39.66657715878617	-101.7320084	265646.645993180	432943.61914488127	3538.889312847777	371.787991055653	3262.219045716436	3264.7352034214705	109.5894933281695	107.05278763218255
166	342	252056	-262004.1413	101.745737310250766	39.666595152229083	-101.7294966	265847.7600072736	432942.4591	3536.627676253226	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
167	342	252057	-261881.1413	101.745737310250766	39.66659198955769	-101.7272228	266045.75499622953	432942.11370520022	3534.0121951096403	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
168	342	252058	-260721.1413	101.745737310250766	39.666571300352484	-101.7296801	266249.8091431137	432942.24884963	3531.0348634167794	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
169	342	252059	-260601.1413	101.745737310250766	39.666574886	-101.7226373	266450.8631	432942.0132480416	3528.057057312997	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
170	342	252060	-259401.1413	101.745737310250766	39.66657673724825	-101.720245	266651.1576572692	432942.0030037008	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
171	342	252061	-258741.1413	101.745737310250766	39.66657440493697	-101.7179517	266852.90721020484	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
172	342	252062	-258081.1413	101.745737310250766	39.666580216	-101.7156089	267046.0234513275	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
173	342	252063	-257421.1413	101.745737310250766	39.66657440493697	-101.7133661	267255.764534849	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
174	342	252064	-256761.1413	101.745737310250766	39.6665747102163	-101.710523	267456.1292	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
175	342	252065	-256101.1413	101.745737310250766	39.66655506	-101.7085805	267657.187108863	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
176	342	252066	-255441.1413	101.745737310250766	39.66657259811787	-101.7062377	267858.234058212	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
177	342	252067	-254781.1413	101.745737310250766	39.66658000377786	-101.7038949	268059.2681719624	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
178	342	252068	-254121.1413	101.745737310250766	39.6665907441903	-101.7015521	268260.33029561	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
179	342	252069	-253461.1413	101.745737310250766	39.66659249321234	-101.6992093	268461.3896876744	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
180	342	252070	-252801.1413	101.745737310250766	39.6665942309247	-101.6968665	268662.441058173	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
181	342	252071	-252141.1413	101.745737310250766	39.66659662823932	-101.6945237	268863.492239103	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
182	342	252072	-251481.1413	101.745737310250766	39.6665976803194866	-101.6921809	269064.5431752504	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
183	342	252073	-250821.1413	101.745737310250766	39.6665994117301466	-101.6898381	269265.539860534	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
184	342	252074	-250161.1413	101.745737310250766	39.6666112961404	-101.6874953	269466.6438651363	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
185	342	252075	-249501.1413	101.745737310250766	39.66662042973759	-101.6851525	269667.696498471	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
186	342	252076	-248841.1413	101.745737310250766	39.6666455180701	-101.6828097	269868.7446842593	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
187	342	252077	-248181.1413	101.745737310250766	39.66667105076784	-101.6804662	270069.7845943424	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
188	342	252078	-247521.1413	101.745737310250766	39.66669755894584	-101.6781241	270270.8471	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
189	342	252079	-246861.1413	101.745737310250766	39.66669611500555	-101.6757813	270471.893435909	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
190	342	252080	-246201.1413	101.745737310250766	39.66671341870383	-101.6734385	270672.4256676161	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
191	342	252081	-245541.1413	101.745737310250766	39.666731028082689	-101.6710957	270873.9914716389	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
192	342	252082	-244881.1413	101.745737310250766	39.66674076011176	-101.6687529	271075.04015063076	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
193	342	252083	-244221.1413	101.745737310250766	39.666753898116104	-101.666401	271276.0283454155	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
194	342	252084	-243561.1413	101.745737310250766	39.66676505717174	-101.6640772	271477.1306327973	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
195	342	252085	-242901.1413	101.745737310250766	39.6667797636769	-101.6617244	271678.1846363446	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
196	342	252086	-242241.1413	101.745737310250766	39.66679131014794	-101.6593816	271879.2326148502	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
197	342	252087	-241581.1413	101.745737310250766	39.66680305282216	-101.6570388	272080.28016870003	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
198	342	252088	-240921.1413	101.745737310250766	39.6668214780013	-101.654696	272281.32749810064	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
199	342	252089	-240261.1413	101.745737310250766	39.6668354718957	-101.6523531	272482.3740022987	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
200	342	252090	-239601.1413	101.745737310250766	39.66684900245784	-101.650013	272683.4214843784	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
201	342	252091	-238941.1413	101.745737310250766	39.66686244178673	-101.647675	272884.468116679	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
202	342	252092	-238281.1413	101.745737310250766	39.66687727608458	-101.6453247	273085.51467527356	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
203	342	252093	-237621.1413	101.745737310250766	39.6668920050464	-101.6429818	273286.560855205	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
204	342	252094	-236961.1413	101.745737310250766	39.6669343686605	-101.640639	273487.6087255557	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
205	342	252095	-236301.1413	101.745737310250766	39.66693187905674	-101.6382962	273688.652635859	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
206	342	252096	-235641.1413	101.745737310250766	39.66693778020674	-101.6359354	273889.6817781483	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255
207	342	252097	-234981.1413	101.745737310250766	39.66694300245784	-101.633591	274090.724694324	432942.0188563434	3525.082003121369	371.787991055653	3262.037369968872	3264.7352034214705	109.5894933281695	107.05278763218255

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtLogK.f	SatHtBoth.f	
291	342	256231	-175941.1413	10.745737310250766	39.667858791973635	-101.4368095	290977.77891020976	3387.02051833669	3385.167154	321.0013808	3095.255462991493	3102.17752669533	115.8284994411678	106.90373526017656
292	342	256232	-178881.1413	10.745737310250766	39.66760021040308	-101.4344666	29177.7848046199774	3394.367476581738	3209.96173431195	304.251816626787	3093.975559347173	115.4101572144236	109.6884719984233	
293	342	256233	-178221.1413	10.745737310250766	39.66731245891501	-101.4321227	29137.81931081054	3393.863124683	3384.7673603364	308.33667960496	3094.716873603364	114.917603929202	109.640907711149	
294	342	256234	-177561.1413	10.745737310250766	39.6672656050766	-101.4297808	291580.85715639	3383.80717359643	3209.86100281186	300.268043637175	3097.53103062604	114.12959197476866	109.7345952458224	
295	342	256235	-176901.1413	10.745737310250766	39.6673681099495	-101.427439	291781.8842895373	3383.6851883389	3387.26678924615	3205.472626257927	3091.686188	3096.211570415105	113.7866437330269	109.26105584822186
296	342	256236	-176241.1413	10.745737310250766	39.6674682061587	-101.425075	291982.9106233415	3383.68158929127	3384.0366287181517	3091.144781240534	3094.3149039621444	112.938816376163	109.7687589160073	
297	342	256237	-175581.1413	10.745737310250766	39.6676089053187	-101.4227521	292183.9367530433	3383.6774974811	3376.37878709833	3202.68043694329	3090.691553324177	3092.413285254304	112.9373540187547	110.26986951008974
298	342	256238	-174821.1413	10.745737310250766	39.66767300415554	-101.4204092	292384.3667898136	3383.6734089007	3374.37478602347	3201.73827643363	3090.044641135246	3091.2378694759406	111.913236501081171	114.58474681009264
299	342	256239	-174261.1413	10.745737310250766	39.66787486916965	-101.418666	292585.9884013584	3383.6727748151878	3384.271781618691	308.6129867	3087.620245207765	3087.79874662383	110.591915240301	110.153366912556
300	342	256240	-173601.1413	10.745737310250766	39.66796905611609	-101.4157233	292787.013200113306	3383.66522409339	3371.618748824005	3198.11273895524	3087.93039	3087.833629862593	110.122423711723	110.276875662901
301	342	256241	-172941.1413	10.745737310250766	39.66770878955289	-101.413804	292988.0382	3383.661132515454	3370.356267367331	308.64285	3087.6907305408226	309.9981100036129	108.7603318528075	
302	342	256242	-172281.1413	10.745737310250766	39.667720628027396	-101.4113075	293189.0643448462	3383.657401852196	3369.386660743564	308.8195292818065	308.849159254702196	308.8195292818065	106.7122042477319	106.7122042477319
303	342	256243	-171621.1413	10.745737310250766	39.6677324208354	-101.408946	293390.0892583031	3383.651485914953	3371.1664859243562	3194.932044229507	308.8239062540917	308.8239062540917	106.7907118821494	106.7907118821494
304	342	256244	-170961.1413	10.745737310250766	39.6677441638299	-101.4063517	293591.1136565726	3383.648166121517	3375.674754152997	3191.16709	308.15943116141075	308.15943116141075	106.7907118821494	106.7907118821494
305	342	256245	-170301.1413	10.745737310250766	39.66775587057664	-101.4040087	293792.1384704466	3383.6471246802	3370.181018762432	3189.398916180235	308.10126427493	308.10126427493	106.7907118821494	106.7907118821494
306	342	256246	-169641.1413	10.745737310250766	39.66776772710159	-101.4016658	293993.1627731479	3383.6401851052405	3384.687283411867	3187.60832930337	307.85042941643	308.4129840719124	106.758490889422	101.19934909274859
307	342	256247	-168981.1413	10.745737310250766	39.6677913846409	-101.3993229	294194.1868737857	3383.636519949482	3385.8256953117364	3185.8256953117364	307.54659436226	307.54659436226	106.7907118821494	106.7907118821494
308	342	256248	-168321.1413	10.745737310250766	39.66779070596412	-101.39698	294395.2017727389	3383.632502710335	3387.068030992324	3184.0041146122495	307.4564028008226	308.2831584918006	107.58371181142684	106.7549972042459
309	342	256249	-167661.1413	10.745737310250766	39.66778022720164	-101.3946371	294596.2347023736	3383.628413666187	3387.148936604043	3182.251013884301	307.451513368957	308.163212181599	107.1486565470515	106.7189170270185
310	342	256250	-167001.1413	10.745737310250766	39.6678137	-101.3922242	294797.2576628546	3383.6243847638	3387.23296626028	3180.45815995972	307.3718059483471	307.3718059483471	106.740546875760914	106.740546875760914
311	342	256251	-166341.1413	10.745737310250766	39.66782513388913	-101.3899512	294988.281261182	3383.622509637	3386.715287789033	3178.663740924277	307.46622431854	307.46622431854	106.717499657307	106.96186662898
312	342	256252	-165681.1413	10.745737310250766	39.667835193912	-101.387003	295199.304551382	3383.61617490271	3385.595296484983	3176.86469674998	307.425624009365	307.425624009365	106.841242404952	106.9137522682891
313	342	256253	-165021.1413	10.745737310250766	39.667845912684	-101.384075	295401.325773584	3383.61258773584	3384.671258773584	3175.84698696978	307.41258773584	307.41258773584	106.841242404952	106.9137522682891
314	342	256254	-164361.1413	10.745737310250766	39.667859154451236	-101.3822525	295601.349491408	3383.6107188273	3383.6107188273	3174.353221767326	3173.264526550191	307.41258773584	106.841242404952	106.9137522682891
315	342	256255	-163701.1413	10.745737310250766	39.6679044011339	-101.3805795	295802.372343139	3383.6087848213007	3381.500112714534	3171.4624958611607	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
316	342	256256	-163041.1413	10.745737310250766	39.667881068512684	-101.378236	296034.392756628	3383.605977976749	3378.902653601756	3169.658013014168	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
317	342	256257	-162381.1413	10.745737310250766	39.66789277	-101.3758937	296204.416818002	3383.603597957279	3376.85252543715	3167.849745892274	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
318	342	256258	-161721.1413	10.745737310250766	39.667903881523858	-101.3735058	296405.4376103285	3383.601493163285	3373.707826169454	3166.037431114851	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
319	342	256259	-161061.1413	10.745737310250766	39.667914650135284	-101.3712078	296606.4690376514	3383.60025984948	3371.251274891320	3164.291378978295	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
320	342	256260	-160401.1413	10.745737310250766	39.66792581681042	-101.368849	296807.49341199	3383.59849341199	3369.471258773584	3163.731488261718	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
321	342	256261	-159741.1413	10.745737310250766	39.6679369515695	-101.366522	297008.50319235935	3383.59579363	3368.9242891050	3160.5828954388	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
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324	342	256264	-157761.1413	10.745737310250766	39.66796961425109	-101.3594932	297611.5659	3383.587105929139	3362.550813969773	3155.120706629	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
325	342	256265	-157101.1413	10.745737310250766	39.66798041125948	-101.3571503	297812.58638462056	3383.58302123214	3361.8289456053335	3154.304388741926	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
326	342	256266	-156441.1413	10.745737310250766	39.66799116305774	-101.3548073	298013.06697057	3383.58035100611	3361.10774136897	3151.4916726375	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
327	342	256267	-155781.1413	10.745737310250766	39.6680018955671	-101.3524644	298216.7617915965	3383.57845800221	3359.27110884399	3149.694937541176	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
328	342	256268	-155121.1413	10.745737310250766	39.66801253012845	-101.3501215	298415.64895851377	3383.57503551005	3358.021402899913	3147.899602408533	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
329	342	256269	-154461.1413	10.745737310250766	39.6680231479604	-101.3477785	298616.66640799232	3383.572651081098	3356.4651091098	3146.11615675033	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
330	342	256270	-153801.1413	10.745737310250766	39.668033717516295	-101.3454356	298817.68592024065	3383.570425968209	3349.72090090156	3144.347511958959	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
331	342	256271	-153141.1413	10.745737310250766	39.66804422478816	-101.3430927	299018.7053	3383.568112901433	3348.41698482416	3142.599520539738	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
332	342	256272	-152481.1413	10.745737310250766	39.66805477	-101.3407487	299219.743477883	3383.56534428	3347.935173474043	3140.858510638202	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
333	342	256273	-151821.1413	10.745737310250766	39.6680654191042	-101.3384073	299420.84535349	3383.5624535349	3347.46145848724	3139.471923133923	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
334	342	256274	-151161.1413	10.745737310250766	39.6680754777269	-101.3360393	299621.762100907	3383.5603526234764	3346.938107376376	3137.44417347256	306.7515936057193	306.7515936057193	106.841242404952	106.9137522682891
335	342	256275	-150501.1413	10.745737310250766	39.6680889217792									

ix	iy	ix	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBotKrg.ft	SurfThtLgts.ft	SurfThtBot.ft
417	342	252757	-96381.14133	1017457.3170250766	36.6887015115115	-11.141598	116305.6522	3343188.1517529935	3176.817603540164	3228.8395196791395	2949.6181430333386	2950.4393858858299	79.221364580092	78.40023172084057
418	342	252758	-96721.14133	1017457.3170250766	36.68876669	-11.139259	116306.6551255993	3343184.008	3172.096335668509	3227.564187332129	2948.4110814545265	2949.513271534371	79.5432372760266	78.7629197696835
419	342	252759	-96719.14133	1017457.3170250766	36.688793231309664	-11.136912	116307.6576363554	3343185.001966	3166.662545196784	3227.06803319988	2947.2945315962127	2948.7938515962127	79.13172578106	78.791372578106
420	342	252760	-94001.14133	1017457.3170250766	36.688799728232285	-11.135691	116308.6605420284	334317.9561	3160.655356548486	3206.321475259395	2944.01436925832	2946.7271304371	80.221373495737	79.508412520811
421	342	252761	-93041.14133	1017457.3170250766	36.68880618001044	-11.1322261	117109.662698345	3343171.8972691	3154.370454877233	3205.404831775792	2948.764294064785	2945.581421896377	80.62234131100695	79.8236887885427
422	342	252762	-93781.14133	1017457.3170250766	36.68881259	-11.1298831	117310.6652175875	3343182.34222024	3148.224382501282	3204.592138258383	2943.6557315929405	2946.936448699248	80.20349347380087	79.6344673780087
423	342	252763	-92421.14133	1017457.3170250766	36.68881894765345	-11.1275401	117511.662781648	3343163.71405876	3143.18639371302	3203.797413505736	2942.53382765032	2946.196735187825	81.2625858554168	80.6012616279119
424	342	252764	-91761.14133	1017457.3170250766	36.6888256357824	-11.1251971	117512.6691808844	3343159.70881485	3138.2483048735926	3203.021258260374	2941.388762142484	2942.026637	81.6324961117327	80.9946115647145
425	342	252765	-91101.14133	1017457.3170250766	36.6888352426852	-11.1228541	117513.6708994654	3343155.66	3133.21297075883	3202.2698958166	2940.26456167876	2940.830006167876	81.3778689547585	81.3778689547585
426	342	252766	-90441.14133	1017457.3170250766	36.6888375963433	-11.1205111	118114.6743356723	3343151.58422338	3131.3775587123924	3201.5157251239824	2939.191344495794	2939.811016850259	82.2238162718836	81.934153895292
427	342	252767	-89781.14133	1017457.3170250766	36.6888433976561	-11.1181682	118183.6738	3343147.52243366	3128.84720279645	3200.783573658473	2938.118052300788	2938.7275945414	82.65657941	82.05307343
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430	342	252770	-87801.14133	1017457.3170250766	36.6888622057224	-11.1111392	118198.6168713699	3343135.3115894	3125.47073029454	3200.6599124010067	2933.2283255672303	2935.708927604293	83.1458683371404	82.95084979
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438	342	252778	-82561.14133	1017457.3170250766	36.68890953374837	-11.092393	120256.6771195935	3343102.56671076	3102.477703943465	3200.3157594582524	2916.517639439796	2933.930457213314	96.41956814469224	79.101523421305
439	342	252779	-81911.14133	1017457.3170250766	36.6889157070478	-11.0899843	120257.677047051	3343104.04959516	3100.41735044235	3200.323236327	2916.181951358477	2933.930457213314	97.181951358477	83.4820275868614
440	342	252780	-81201.14133	1017457.3170250766	36.68892016239105	-11.0877093	120258.675443367	3343094.73864336	3105.71079833123	3200.3172719762194	2913.904804915483	2930.020895916567	97.3636292407111	91.26129000825
441	342	252781	-80541.14133	1017457.3170250766	36.6889258822975	-11.0853663	121129.6743426956	3343094.96987569	3146.610551110855	3200.31817031865	2912.986381808798	2916.915972181827	97.3636292407111	91.26129000825
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443	342	252783	-79221.14133	1017457.3170250766	36.6889366588264	-11.0806803	121531.671623288	3343082.652774895	3145.87659	3200.409413860341	2910.65041753725	2914.8754018	97.3636292407111	91.26129000825
444	342	252784	-78561.14133	1017457.3170250766	36.6889420751645	-11.0783373	121732.6760200894	3343078.5052018	3148.68109295282	3200.418563427502	2909.11042069504	2923.4497374666184	98.3501347324624	83.96882067018179
445	342	252785	-77901.14133	1017457.3170250766	36.6889478421838	-11.0759813	121933.6680273581	3343074.447514088	3150.7447514088	3200.418563427502	2909.11042069504	2923.4497374666184	98.3501347324624	83.96882067018179
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447	342	252787	-76581.14133	1017457.3170250766	36.68895803825416	-11.0713083	122335.664081155	3343066.32668497	3160.14625729216	3200.34077150817	2905.62069132395	2907.44491491310	98.3501347324624	83.96882067018179
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456	342	252796	-70641.14133	1017457.3170250766	36.688993475804	-11.0502214	124144.637010533	3343029.827219484	3178.474746274384	3200.34077150817	2905.62069132395	2907.44491491310	98.3501347324624	83.96882067018179
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459	342	252799	-68661.14133	1017457.3170250766	36.688998178421278	-11.0431944	124747.62917808748	3343017.458926363	3190.474746274384	3200.34077150817	2905.62069132395	2907.44491491310	98.3501347324624	83.96882067018179
460	342	252800	-68001.14133	1017457.3170250766	36.68899224905838	-11.0408044	124948.6207244335	3343013.609	3192.7140317947	3200.34077150817	2905.62069132395	2907.44491491310	98.3501347324624	83.96882067018179
461	342	252801	-67341.14133	1017457.3170250766	36.6889927131765226	-11.0385064	125149.6115920							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBoth.f	SatThkLogs.ft	SatThkBoth.ft	
543	342	252883	-1321.141327	101.74573170250766	39.66925366748258	-00.8463797	341630.68402734096	4392677.898101833	2945.0818439436903	215.2073731838504	2842.2026735066624	2839.613385959155	0	0	
544	342	252884	-12961.141133	101.74573170250766	39.66925456150651	-00.8463307	341831.6660725015	4392673.8630097015	2938.94585412145	287.017865597167	2837.017865597167	2832.450091832425	0	0	
545	342	252885	-1190.141133	101.74573170250766	39.66925390465494	-00.8461897	342059.5489547624	4392680.828144171	2934.80826144171	283.0242635788803	2831.4262635788803	2827.1264635788803	0	0	
546	342	252886	-1124.141133	101.74573170250766	39.669256184058774	-00.8460357	342233.6290413345	4392685.7933092054	2929.672156540055	2808.199752	2829.6919042540055	2823.0918361514273	0	0	
547	342	252887	-1058.141133	101.74573170250766	39.66925693238667	-00.8370077	342434.6113913506	4392661.759102924	2931.585510745289	2805.889971418185	2827.952626805895	2820.353874160158	0	0	
548	342	252888	-992.1411327	101.74573170250766	39.66925765345932	-00.8346647	342635.5928260699	4392657.72425186	2940.548763063027	2803.59467678116	2826.804970765522	2819.1237481462367	0	0	
549	342	252889	-926.1411327	101.74573170250766	39.6692586939316	-00.8322216	342836.51	4392653.690976019	2949.51200993316	2801.324813565285	2826.506664	2826.506664	2826.506664	0	0
550	342	252890	-860.1411327	101.74573170250766	39.66925890577855	-00.8299786	343037.5552338197	4392648.667254241	2958.4752596173294	2799.0743217802915	2826.7325972711456	2814.9333931297789	0	0	
551	342	252891	-794.1411327	101.74573170250766	39.66925964794518	-00.8276356	343238.5362	4392645.8237633815	2966.186954814678	2796.847464294811	2827.4484455334837	2816.296482769891	0	0	
552	342	252892	-728.1411327	101.74573170250766	39.66925990546474	-00.8252526	343439.5170458996	4392641.59049893	2969.67707585551	2794.644803860539	2827.2461201784217	2818.4115009590734	0	0	
553	342	252893	-662.1411327	101.74573170250766	39.66926047178243	-00.8229498	343640.497721245	4392637.557464944	2974.157089836947	2792.465225842146	2826.066481465652	2818.28548382432	0	0	
554	342	252894	-596.1411327	101.74573170250766	39.6692609325308	-00.8206066	343841.4782472702	4392633.525	2978.673171793838	2790.310932409552	2823.33067890341	2816.276195824395	0	0	
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556	342	252896	-464.1411327	101.74573170250766	39.6692616303983	-00.8159206	344243.43884514086	4392625.459731259	2976.302396640354	2786.07858613892	2814.794751276894	2809.0738523183154	0	0	
557	342	252897	-398.1411327	101.74573170250766	39.669261956072984	-00.8135775	344758.12425891798	4392621.427610593	2973.2522575447856	2784.022662444647	2808.6402610692785	2804.5538051141343	0	0	
558	342	252898	-321.1411327	101.74573170250766	39.66926217648229	-00.8112345	344645.39884115884	4392617.395718021	2970.202275421536	2781.9907275350592	2804.4212717920575	2800.0447473394667	0	0	
559	342	252899	-266.1411327	101.74573170250766	39.66926281626264	-00.8088915	344846.3788139817	4392613.364054138	2967.132596593334	2779.943384573075	2799.6822665103828	2797.347188434456	0	0	
560	342	252900	-200.1411327	101.74573170250766	39.66926354154587	-00.8065485	345047.3582369713	4392609.332618736	2964.0453183423167	2778.035687604182	2794.112569850311	2791.35993731419	0	0	
561	342	252901	-134.1411327	101.74573170250766	39.669262666118164	-00.8042055	345248.3377103106	4392605.3041141806	2960.9573410331222	2776.1168578409063	2789.590097045741	2787.51778350711	0	0	
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563	342	252903	-1.14132693	101.74573170250766	39.66926275495875	-00.7995195	345650.296028098	4392597.23983326	2954.627329983326	2772.406327395826	2781.367494	2780.77122528777	0	0	
564	342	252904	23.886770733514	101.74573170250766	39.66926272836014	-00.7971764	345851.2752	4392591.690917157	2951.218394750402	2770.618070999161	2778.05684352693	2784.453383472085	0	0	
565	342	252905	107.858677073351	101.74573170250766	39.6692627891785	-00.7947474	346059.80584171	4392584.78886824	2948.578361435848	2767.710897358493	2776.08132587923	2782.69132587923	0	0	
566	342	252906	195.8586770733514	101.74573170250766	39.66926255024057	-00.7924904	346253.233839545	4392585.148903293	2944.404658732328	2767.182407332443	2775.4487695904018	2775.4949741548567	0	0	
567	342	252907	261.8586770733514	101.74573170250766	39.6692623832585	-00.7901474	346454.211419489	4392581.11896742	2938.4609724141255	2765.573191839827	2774.7384869680878	2774.770670575	0	0	
568	342	252908	327.8586770733514	101.74573170250766	39.669262190981804	-00.7878044	346655.18985112145	4392577.08937509	2929.89769150326	2763.940382398105	2774.2371340416553	2774.427487415862	0	0	
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570	342	252910	459.858677073351	101.74573170250766	39.66926165069767	-00.7831184	347057.1462706209	4392569.038029223	2912.77112562277	2760.890837999443	2774.4345484474177	2774.0721053553784	0	0	
571	342	252911	528.858677073351	101.74573170250766	39.66926131	-00.7806733	347258.12425891798	4392565.402	2904.811534660657	2759.437988647125	2774.263186855045	2772.82722211967	0	0	
572	342	252912	597.858677073351	101.74573170250766	39.6692609352519	-00.7784232	347453.105299799	4392561.37321211	2897.45304384541	2757.4301059411813	2774.0171375191481	2774.0171375191481	0	0	
573	342	252913	657.858677073351	101.74573170250766	39.66926059071848	-00.7760893	347660.079793531	4392556.944746264	2890.096985	2756.6720929325826	2773.581166158909	2772.8896616436191	0	0	
574	342	252914	723.858677073351	101.74573170250766	39.6692602694541	-00.7737463	347861.05734030413	4392552.9165080671	2882.743765354966	2755.362379691042	2772.544733217171	2771.901465440534	0	0	
575	342	252915	789.858677073351	101.74573170250766	39.6692595784401	-00.7714033	348062.0347	4392548.8884984285	2879.8460041910525	2754.101108242363	2770.6628155100084	2770.455918968692	0	0	
576	342	252916	858.858677073351	101.74573170250766	39.66925894347731	-00.7696063	348263.011993783	4392544.881	2881.406401203687	2752.886967906654	2767.535223434777	2768.346514	0	0	
577	342	252917	928.858677073351	101.74573170250766	39.66925833584924	-00.7667173	348483.989100021	4392540.833	2882.965798216322	2751.7138958461644	2765.7280447276096	2765.7280447276096	0	0	
578	342	252918	997.858677073351	101.74573170250766	39.669257789478	-00.7637474	348693.80584171	4392536.80584171	2880.5125717177945	2750.5125717177945	2762.89132587923	2762.89132587923	0	0	
579	342	252919	1053.858677073351	101.74573170250766	39.669256978785164	-00.7602312	348885.942689314	4392532.77874578	2878.25787562353	2749.51805875107619	2759.1908452624055	2759.1908452624055	0	0	
580	342	252920	1119.858677073351	101.74573170250766	39.669256233574	-00.7596882	349066.915642506	4392528.75187155	2867.1589523121213	2748.46973986732	2754.9079605195375	2755.3785435025437	0	0	
581	342	252921	1185.858677073351	101.74573170250766	39.6692545466378	-00.7573452	349267.896070497	4392524.725238826	2855.095892595174	2747.4656211440756	2751.14475394155	2751.611667502174	0	0	
582	342	252922	1251.858677073351	101.74573170250766	39.6692546	-00.7550022	349468.87248533	4392520.68827845	2849.640350591306	2746.469617929798	2747.504177742528	2748.008992802828	0	0	
583	342	252923	1317.858677073351	101.74573170250766	39.66925373	-00.7526592	349669.848819117	4392516.67245051	2831.875601377273	2745.56308978594	2745.1039177085312	2745.1039177085312	0	0	
584	342	252924	1383.858677073351	101.74573170250766	39.66925279891785	-00.7503162	349870.8247308336	4392512.647	2827.80465174395	2744.662693147655	2744.1884190200314	2742.29638073089	0	0	
585	342	252925	1449.858677073351	101.74573170250766	39.66925218272715	-00.7479123	350085.93181917	4392508.82621	2821.4368184197	2743.76218886856	2743.76218886856	2743.76218886856	0	0	
586	342	252926	1515.858677073351	101.74573170250766	39.6692501021719	-00.7456301	350272.7765134429	4392505.5466322	2801.663046173015	2742.964888707335	2738.957410311164	2738.957410311164	0	0	
587	342	252927	1581.858677073351	101.74573170250766	39.6692497493194	-00.7432871	350473.75216844084	4392503.507196591	2792.741956065576	2742.133062722362	2737.0073945079885	2737.0073945079885	0	0	
588	342	252928	1647.858677073351	101.74573170250766	39.66924864038082	-00.7409441	350674.7277926456	4392496.5541573094	2787.075095668576	2741.3384171031444	2735.4531226995	2735.7389441029684	0	0	
589	342	252929	1713.858677073351	101.74573170250766	39.669247487564895	-00.7386011	350875.7031463096	4392492.520339822	2777.199231	2740.562584909182	2733.428914964087	2733.428914964087	0	0	
590	342	252930	1779.858677073351	101.74573170250766	39.6692469	-00.7362581	351076.6784	4392488.496	2768.472707145925	2739.801030386264	2731.6193725714825	2731.993579557636	0	0	
591	342	252931	1849.858677073351	101.74573170250766	39.6692459613773	-00.7338151	351277.634869014	4392484.47387927	2760.1265524998						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatThLog.f	SatThBoth.f
659	342	253009	69938.85867730335	10717457.310250766	39.6690080303963	-105.5111605	366693.248692205	4392171.2739453185	7576.769951706716	2643.849094377338	2637.366672	2638.6917809797573	6.4428371857138332	5.15713379765297
670	342	253010	70598.85867730335	10717457.310250766	39.690030783749034	-105.5488175	367154.2491	4392167.26758892	7574.736553721667	2643.022810302006	2636.6071713812515	2637.50148248706	6.415686853949019	5.092661786494773
671	342	253011	71288.85867730335	10717457.310250766	39.68699193193406	-105.5464295	367355.213343294	4392139.22961267	7573.193313031823	2642.214397248991	2635.9014772383258	2637.508961872781	6.312919966135359	5.1545672719888055
672	342	253012	71918.85867730335	10717457.310250766	39.66900409372495	-105.5441315	367556.175705665	4392159.255558153	7574.791127466167	2641.423363024007	2635.70976739629	2636.29408343978	6.313506085390019	5.173904927229984
673	342	253013	72578.85867730335	10717457.310250766	39.66898042528205	-105.5417885	367751.146192176	4392155.2488254	7574.014887874416	2640.649404223582	2634.8227753388237	2635.347148926413	6.311726684758475	5.304612713403033
674	342	253014	73238.85867730335	10717457.310250766	39.669405393509	-105.5394455	367958.105059497	4392151.24443604	7574.01601097276	2639.835976776487	2633.661675	2634.272148678125	6.31291273579585	5.622114709371845
675	342	253015	73898.85867730335	10717457.310250766	39.66879908232001	-105.5371025	368159.0693	4392147.2392170075	7573.00552522859	2639.1556136591516	2632.430235334058	2633.260549179082	6.312758325093516	5.895207940062392
676	342	253016	74558.85867730335	10717457.310250766	39.66897391744021	-105.5347595	368360.3023171506	4392143.234	7572.021704172341	2638.433972160526	2630.910448246696	2631.937088059247	7.5252339133864705	6.455868101
677	342	253017	75218.85867730335	10717457.310250766	39.668968181296066	-105.5324166	368590.9694	4392139.22961267	7572.193313031823	2642.214397248991	2635.9014772383258	2637.508961872781	6.312919966135359	5.1545672719888055
678	342	253018	75878.85867730335	10717457.310250766	39.6689639986964	-105.5300736	368761.9638109675	4392134.2246534	7571.0739759534	2637.0377895534	2627.717989169045	2632.91564555389	6.3207750949893	6.18270415167244
679	342	253019	76538.85867730335	10717457.310250766	39.66895837312845	-105.5277306	368962.9320747035	4392131.2056123035	7571.69927283224	2636.35031256113	2625.97176584236	2626.93650882988	10.3876541377033	9.371308373125248
680	342	253020	77198.85867730335	10717457.310250766	39.66895310127412	-105.5253676	369163.860208218	4392127.21633342	7722.37136573076	2635.706971272219	2623.893199482324	2624.93440000364	11.8771778963665	10.772531271855314
681	342	253021	77858.85867730335	10717457.310250766	39.6894778407065	-105.5230446	369364.2400202385	4392121.216287857	7722.37136573076	2635.0332026276	2623.931999303729	2622.6173820232425	13.1313271789678	12.4897503033387
682	342	253022	78518.85867730335	10717457.310250766	39.689424160246	-105.5207016	369565.8121069304	4392119.209051766	7735.715515363365	2634.432739945879	2619.554942748917	2619.734945425541	14.87779017186367	14.151393304
683	342	253023	79178.85867730335	10717457.310250766	39.68937013899545	-105.5183586	369768.7746990994	4392115.20562062	7737.425624261233	2633.81712854837	2617.91195882166	2617.880258535477	16.9355794037175	15.93351250068711
684	342	253024	79838.85867730335	10717457.310250766	39.6893115608719	-105.5161016	369967.7375069155	4392111.202	7741.137678136752	2633.2045116112127	2614.6586134548947	2615.48921668709	18.4589215722893	17.7152474312414
685	342	253025	80498.85867730335	10717457.310250766	39.68926006	-105.5136728	370168.7002069406	4392107.2	7743.9701729	2632.80590750889	2612.55860490856	2613.229041128902	20.40278016321052	19.37686677696976
686	342	253026	81158.85867730335	10717457.310250766	39.68920502	-105.5112396	370369.6624015313	4392103.196817166	7747.6987817167	2632.07131672833	2610.2483348394103	2610.7935844432314	21.7697968346034	21.2253472266179
687	342	253027	81818.85867730335	10717457.310250766	39.689149302903	-105.5088966	370570.6246766625	4392099.19426914	7748.0780636714	2631.43660380446	2607.910254063842	2608.146653360395	23.95264931660395	23.01969801045347
688	342	253028	82478.85867730335	10717457.310250766	39.6891026234574	-105.5064636	370771.58681931486	4392090.1290379	7748.885059224014	2630.862248059393	2605.666751476685	2605.113462413057	25.1954916582704	24.74878039
689	342	253029	83138.85867730335	10717457.310250766	39.68906361691357	-105.5043006	370972.548360333	4392091.10208412	7749.118310404965	2630.289985682463	2603.527804150915	2603.69166973457	26.7621871136679	26.3981388891103
690	342	253030	83798.85867730335	10717457.310250766	39.6889785221294	-105.501876	371173.51373495013	4392087.188202152	7749.341110248525	2629.715276400901	2601.7246938451	2601.83742129626	28.4302964250686	28.0781321871234
691	342	253031	84398.85867730335	10717457.310250766	39.6889129834896	-105.4991558	371395.64745523	4392081.1867189	7749.341110248525	2629.715276400901	2601.7246938451	2601.83742129626	29.763096724344	29.461910322679
692	342	253032	85118.85867730335	10717457.310250766	39.6888637636281	-105.4972717	371575.434159032	4392079.15	7749.635481107554	2627.873671872895	2598.5038572844233	2596.911683650162	31.30681693587205	30.99190513138916
693	342	253033	85778.85867730335	10717457.310250766	39.68880405	-105.4948287	371776.395687324	4392074.184159207	7749.7127735394	2626.542177338467	2593.358664272653	2594.133699410983	33.040511102153	32.4035512436956
694	342	253034	86438.85867730335	10717457.310250766	39.68874541339214	-105.4925857	371977.357093361	4392071.183260142	7749.7127735394	2625.2008016203354	2590.712389101234	2591.44253143595	34.0854251910153	33.7582701483031
695	342	253035	87098.85867730335	10717457.310250766	39.68868590430556	-105.4902427	372178.318377319	4392067.18258835	7749.7127735394	2623.893199482324	2588.046497230022	2588.845239680734	35.8089841857016	35.0092475667202
696	342	253036	87758.85867730335	10717457.310250766	39.68862594257284	-105.4878997	372379.2796342993	4392063.182	7749.7127735394	2622.500654244937	2588.046497230022	2588.845239680734	36.82718325197086	36.0780418903442
697	342	253037	88418.85867730335	10717457.310250766	39.6885655281947	-105.4856567	372580.2465789024	4392057.18193655	7749.7127735394	2621.4468294486622	2587.1468294486622	2587.1468294486622	37.8821394738395	37.0457198889493
698	342	253038	89078.85867730335	10717457.310250766	39.68850416611712	-105.4834917	372781.272589315	4392048.18193655	7749.7127735394	2620.289985682463	2585.191774182324	2585.191774182324	38.9587157602154	38.1676837476422
699	342	253039	89738.85867730335	10717457.310250766	39.6884433415021	-105.4808077	372982.1629674406	4392041.18217374	7749.7127735394	2619.831899749983	2580.023238891923	2580.023238891923	39.4155008505959	39.92706783560434
700	342	253040	90398.85867730335	10717457.310250766	39.6883815691879	-105.4785278	373183.122935294	4392037.18263289	7749.7127735394	2618.902055275403	2578.759009172722	2578.759009172722	40.7262700234497	39.7192369329670
701	342	253041	91058.85867730335	10717457.310250766	39.6883193442286	-105.4761848	373384.08352949645	4392034.18423996	7749.7127735394	2617.936106678453	2577.724400292185	2577.891704186629	41.880122220153	41.3844012220153
702	342	253042	91718.85867730335	10717457.310250766	39.6882656626386	-105.4738418	373585.034964835	4392030.18328791	7749.7127735394	2616.97269104525	2576.703127317287	2576.703127317287	42.78454488787475	42.37891456675634
703	342	253043	92378.85867730335	10717457.310250766	39.688195363547	-105.4714788	373786.0407296025	4392025.18534983	7749.7127735394	2615.936106678453	2575.738202815157	2575.738202815157	43.761362620679	43.3691098484031
704	342	253044	93038.85867730335	10717457.310250766	39.688129834896	-105.4691558	373987.64745523	4392019.1867189	7749.7127735394	2614.915276400901	2574.97107171394	2574.97107171394	44.763096724344	44.361910322679
705	342	253045	93698.85867730335	10717457.310250766	39.68806919717417	-105.4668128	374187.924540385	4392015.1886938	7749.7127735394	2613.941677497474	2573.825676805406	2573.825676805406	45.809575625237	45.390114908498345
706	342	253046	94358.85867730335	10717457.310250766	39.6880014297585	-105.4644698	374388.8845042765	4392003.19012626	7749.7127735394	2612.9692950969945	2570.126937087636	2570.126937087636	46.93507695949245	46.39705101586209
707	342	253047	95018.85867730335	10717457.310250766	39.68793348893006	-105.4621269	374589.8433666254	4392019.19225109	7749.7127735394	2611.835998307403	2567.158291470047	2567.158291470047	47.9346166624988	47.50969818401474
708	342	253048	95678.85867730335	10717457.310250766	39.6878710954586	-105.4597839	374790.8405567127	4392015.19433065	7749.7127735394	2610.862248059393	2567.0256212217	2567.0256212217	48.9082333497301	48.495445854573
709	342	253049	96338.85867730335	10717457.310250766	39.6878029493424	-105.4574089	374991.7637	4392011.19042184	7749.7127735394	2609.831737599537	2566.299337352414	2566.299337352414	49.89134213660334	49.38194224360334
710	342	253050	96998.85867730335	10717457.310250766	39.687739850527	-105.4550479	375199.198778435	4392005.19615673	7749.7127735394	2608.960301516573	2565.5041934517	2565.5041934517	50.8796244887259	50.4076442887259
711	342	253051	97658.85867730335	10717457.310250766	39.68767198917804	-105.4527817	375400.8497	4391999.2058323825	7749.7127735394	2607.936106678453	2564.5276924486622	2564.5276924486622	51.8697197248915	51.3907197248915
712	342	253052	98318.85867730335	10717457.310250766</										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	Surf.Elev.	W.S.E.	BREIEvgsKrg.ft	BREIEvbothKrg.ft	SatH.Logs.ft	SatH.Thoots
53	343	253135	-335031.1413	1018117.3170250766	39.665234443682145	-101.9897366	243533.34135446473	4394875.795203064	3518.764741521616	3458.2614608068663	3431.9469909453474	3418.646034826829	40.1573738003736
56	343	253136	-334641.1413	1018117.3170250766	39.66525471597622	-101.9873398	243734.42225757857	4394871.648528327	3518.490394377835	3457.327996157688	3431.337095839357	3420.5078714577758	25.99000273731313
57	343	253137	-333981.1413	1018117.3170250766	39.66523034391151	-101.9866152	243856.5031435917	4394867.500681667	3521.3214452468137	3456.624907976658	3430.439370976658	3421.91792357281392	34.16489281279839
58	343	253138	-333321.1413	1018117.3170250766	39.6652324729855	-101.9827205	2441.9647358505753	4394856.235726708	3520.9647358505753	3458.8622362710011	3428.96452266672131	3422.2853923827866	35.70170929519193
59	343	253139	-332661.1413	1018117.3170250766	39.66523606132672	-101.9803568	244337.66391393955	4394859.206999584	3523.5016769639827	3453.735398103013	3426.9437406188326	3421.440272318176	32.2863257848366
60	343	253140	-332001.1413	1018117.3170250766	39.66524858259951	-101.9780231	244538.3743782225	4394850.059155722	3527.8420481797606	3452.62706090615	3424.520977966113	3419.941896	28.106082129902006
61	343	253141	-331341.1413	1018117.3170250766	39.66527915986185	-101.9758803	244739.823683534	4394850.914644181	3532.1824913968534	3511.559454328923	3422.077728185738	3418.241250194989	32.7863213439241
62	343	253142	-330681.1413	1018117.3170250766	39.665349923878725	-101.9733376	244940.90318674933	4394846.755526627	3536.522896613022	3450.330674471645	3419.636155853414	3416.35589653047	39.89481819623197
63	343	253143	-330021.1413	1018117.3170250766	39.66541695486599	-101.9709488	245141.96243765297	4394842.191718973	3538.951270374688	3458.54046754705	3417.27910261531	3414.789898827729	30.801557575
64	343	253144	-329361.1413	1018117.3170250766	39.6654395513358	-101.9686522	245343.061434713	4394838.473705282	3541.3816895699055	3448.5872719372824	3417.7702825682	3413.126611734529	35.4696012007979
65	343	253145	-328701.1413	1018117.3170250766	39.66546213013107	-101.9663095	245544.104183408	4394832.72024212	3538.461199456970726	3447.61199456970726	3411.5573209779553	3411.454591132	36.11396347742355
66	343	253146	-328041.1413	1018117.3170250766	39.6654649870635	-101.9639686	245745.21678565825	4394830.182375735	3538.80429293175	3446.7924590244556	3406.82808901268	3406.183451580673	39.96436972
67	343	253147	-327381.1413	1018117.3170250766	39.66550071243549	-101.9616241	245946.2969224336	4394826.307059846	3542.5847462102255	3445.5749814070262	3402.5749814070262	3402.702614400635	43.281260438911886
68	343	253148	-326721.1413	1018117.3170250766	39.66552953526216	-101.9592814	246147.3749149561	4394821.891976541	3519.6881592067236	3445.189104229663	3401.4398302628792	3402.983055173702	43.70908016010708
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77	343	253157	-320781.1413	1018117.3170250766	39.6657209013133	-101.9381674	247949.154892239	4394782.659616172	3508.28194	3427.754147119182	3397.344654740354	3401.753138729055	50.61832720967955
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85	343	253165	-315501.1413	1018117.3170250766	39.665903063021	-101.919455	249595.66263433882	4394781.461136576	3568.8861107784473	3430.8740743952667	3379.765327712616	3379.765327712616	51.15647709387
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101	343	253181	-304941.1413	1018117.3170250766	39.6662443293738	-101.881971	252782.890158424	4394780.23465711	3607.458092897015	3422.385170837924	3386.824762084134	3386.824762084134	40.998462436749754
102	343	253182	-304281.1413	1018117									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	LatBothKgr.f	SurfBoth.f
181	343	253261	-252141.1413	101817.13170250766	36.66777250488586	-01.6945461	268667.6209180851	434364.993831584	350.1099355108327	334.0431688316193	3241.5907983290913	3227.680413813772	11.843737060252801	125.7537517718478
182	343	253262	-251481.1413	101817.13170250766	36.66779692390004	-01.6922302	269068.6716189642	434350.3872142439	3508.239638082296	3352.3446629127329	3238.985252689634	3230.1758981555194	112.35961064872729	112.5627776171688
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184	343	253264	-250161.1413	101817.13170250766	36.66782423	-01.6875175	269470.7723331584	434342.63867684	3505.41252	3352.74836216262	3238.909002138945	3232.2485268164296	113.1835600273132	117.9263040011626
185	343	253265	-249501.1413	101817.13170250766	36.66784135777354	-01.6857176	269671.8223257022	434338.3052653681	3504.28622621956	3349.0413908752	3235.738994340605	3232.347064556664	113.35514564692176	116.747405453086285
186	343	253266	-248841.1413	101817.13170250766	36.6678565404216	-01.6828318	269872.87214917043	434334.4030565641	3500.910499705318	3348.0164083150785	3234.5025845142677	3231.7849545899691	116.21345434080896	116.21345434080896
187	343	253267	-248181.1413	101817.13170250766	36.6678754905464	-01.6804889	270073.92171442765	434330.28567004	3499.251075353103	3346.9417446624557	3233.258702728105	3231.217480432217	113.6830243246452	115.73000414923398
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189	343	253269	-246861.1413	101817.13170250766	36.66790944529446	-01.6759033	270476.6841653833	434322.851	3497.121414073758	3344.8015236917568	3230.554282570384	3229.3657622413007	114.2470978137279	115.447616450451
190	343	253270	-246201.1413	101817.13170250766	36.66792635302384	-01.6734602	270677.0690519894	434317.346236557	3496.056602	3343.734013811457	3229.4158263911586	3228.31093252087	114.31874202029	115.42309178293479
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192	343	253272	-244881.1413	101817.13170250766	36.66796003	-01.6687746	271079.16614725394	434309.701792753	3491.132537681474	3341.6025598954297	3227.160597802774	3226.32039990024	114.44196209265556	115.27571990540582
193	343	253273	-244221.1413	101817.13170250766	36.66797680464932	-01.6664317	271280.21435657308	434306.58572798	3488.204764587823	3340.5386237418793	3226.102257661635	3225.37838180317	114.4183979571583	115.1683972384757
194	343	253274	-243561.1413	101817.13170250766	36.66799353136855	-01.6640888	271481.26230432633	434301.49898489	3485.276918951051	3339.457812917665	3225.019762936015	3224.298382186244	114.4560498916057	115.17473075202243
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196	343	253276	-242241.1413	101817.13170250766	36.668020484930204	-01.6594031	271883.3576337452	434293.238910824	3484.61624562209	3337.356831713723	3222.669114315102	3222.245238189007	114.6892973062084	115.1159891282229
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200	343	253280	-239601.1413	101817.13170250766	36.66809240989306	-01.6500316	272687.45525852326	434276.779734996	3484.671226702166	3333.1390584323968	3217.1753015656516	3218.306344932215	115.7637576853536	114.83271134917526
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214	343	253294	-230361.1413	101817.13170250766	36.668318560338456	-01.6172311	275502.1751329779	434219.20179063	3509.47065114664	3317.834417713004	3197.283671156516	3211.321501586997	120.55074655478438	106.5112756200606
215	343	253295	-229701.1413	101817.13170250766	36.6683343654787	-01.6148882	275703.21843054916	434215.960227395	3495.197179136314	3316.704761174542	3195.890769	3211.358707008902	120.85599200126176	105.34050413608965
216	343	253296	-229041.1413	101817.13170250766	36.6683500674939	-01.612545	275904.301545949	434212.90008094	3498.287511023396	3315.57141223385	3210.47544434325	3210.8372197321653	114.6269777961028	105.76939109065
217	343	253297	-228381.1413	101817.13170250766	36.66836557318306	-01.6102824	276105.3047432145	434206.869670528	3493.8778024989296	3314.43625433131	3209.63263293351	3210.1900429507803	109.74650744604064	105.34050413608965
218	343	253298	-227721.1413	101817.13170250766	36.66838133360878	-01.6078955	276306.3470137158	434202.759	3481.468138824292	3313.297705719708	3191.81042055127	3210.57356567336	118.4222502204438	105.34050413608965
219	343	253299	-227061.1413	101817.13170250766	36.66839699	-01.6055166	276507.389431052	434198.0249624237	3481.980263834374	3312.146903	3190.359455240872	3210.7477471753782	105.34050413608965	105.34050413608965
220	343	253300	-226401.1413	101817.13170250766	36.6684125867631	-01.6031377	276708.43163235093	434194.539	3486.91408985738	3310.930286839476	3188.938173981365	3210.0628686129	120.05521470258282	104.81194978181
221	343	253301	-225741.1413	101817.13170250766	36.66842804318066	-01.6008308	276909.4783127275	434190.429834754	3481.980263834374	3309.8426535011	3188.484475024878	3211.697394311539	121.3497903202273	103.1368710435677
222	343	253302	-225081.1413	101817.13170250766	36.6684435269842	-01.5984879	277110.5153761074	434186.104900675	3486.781813	3308.676424842434	3210.272886576326	3208.8737385415465	121.4379546207806	99.7941033008965
223	343	253303	-224421.1413	101817.13170250766	36.6684591691728	-01.5961829	277312.061596931	434182.19399031	3485.94563183347	3307.498451085638	3207.482810710760	3210.47544434325	118.4222502204438	105.34050413608965
224	343	253304	-223761.1413	101817.13170250766	36.6684742567842	-01.5938021	277510.523560587	434178.102	3493.8778024989296	3306.31627110234	3210.581841509933	3210.746710240		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtKrg.ft	SatHtBoth.ft
300	343	25387	-169881.1413	101817.3170250766	39.66699211670788	-101.3993379	294198.28481022513	4393387.870571787	381.6869850465678	15.1083864879083	307.72789027998306	308.7268034	307.789042738960212	97.8403529768833
308	343	25388	-168321.1413	101817.3170250766	39.6669935305059	-101.3993499	294399.3085	4393383.781093617	382.625738809328	13.304071	307.828765	308.4905089141464	307.4753061525972	97.8943849045608
309	343	25389	-167061.1413	101817.3170250766	39.66691532047165	-101.3984519	294600.321441166	4393382.691845212	383.561482572088	10.81474824846426	307.8750117323027	308.51662388612	308.621541071323027	98.0808265781263
310	343	25390	-167001.1413	101817.3170250766	39.66692668131303	-101.3982309	294801.3557118806	4393385.0260295625	384.053246334549	19.7868555965675	307.4897833614084	308.191724575561	308.1976031451911	98.2688012006697
311	343	25391	-166341.1413	101817.3170250766	39.66693811232069	-101.389966	295002.3782220092	4393382.5140439567	384.4648042218973	17.8777452498292	307.123976931445	307.79920914814823	305.7534755668465	98.5784376834602
312	343	25392	-165681.1413	101817.3170250766	39.6669449806465	-101.387623	295203.40170136026	4393371.425484894	383.44916623324	13.760462220202894	307.687251497165	307.1371159487407	305.37697052312433	98.93206253285871
313	343	25393	-165021.1413	101817.3170250766	39.66696038548564	-101.38528	295404.4237232676	4393373.382	382.433254254572	17.2488428007448	306.924918880828	306.9980592004538	306.19980591985286	99.3504070260868
314	343	25394	-164361.1413	101817.3170250766	39.66697213	-101.382937	295605.4641724111	4393381.299	381.41789205909	17.4217337320438	307.3364724144396	307.638053	305.09526311760419	99.79368297369365
315	343	25395	-163701.1413	101817.3170250766	39.6669836371396	-101.380541	295806.46842123545	4393385.161207356	380.9534880223297	19.87526398140713	306.57720138602608	307.03385402639508	304.8406258354607	99.7329956512116
316	343	25396	-163041.1413	101817.3170250766	39.66694588402784	-101.3782511	296007.4904956507	4393371.03757055	387.890480128338	13.6872447556906	306.198743569096	306.979100748842	304.6057410546923	100.1014593657102
317	343	25397	-162381.1413	101817.3170250766	39.66970574827777	-101.3750801	296208.521318765	4393379.968174372	375.874719363338	13.6667959750531	306.42334896701	306.58439515641701	305.171373235085	
318	343	25398	-161721.1413	101817.3170250766	39.66971686198845	-101.3735651	296409.533676755	4393372.890902577	373.864386068043	15.6514262478396	306.0495227703624	306.498796782114	305.6932012353346	101.0546369619184
319	343	25399	-161061.1413	101817.3170250766	39.66972793886225	-101.3712221	296610.5554174953	4393372.0622632	372.2671125700845	13.63115913818424	305.6812412331389	306.1076117688923	305.691790504535	102.02380091496005
320	343	25400	-160401.1413	101817.3170250766	39.6697385451959	-101.3688791	296811.5767	4393378.725	371.085681250624	16.4177305883101	305.6165082619036	305.626304706555	305.3122223640653	104.82425711246005
321	343	25401	-159741.1413	101817.3170250766	39.6697499328504	-101.366381	297012.5971795889	4393370.63837947	368.904249940042	13.599441465904533	305.3417196	305.5392150344747	305.2242702469527	106.1231558975837
322	343	25402	-159081.1413	101817.3170250766	39.66976085945454	-101.3641932	297273.8186	4393376.5525733	368.722186250186	13.5157039379155	305.595186905416	305.613753570351	305.210603945039	107.489041095448
323	343	25403	-158421.1413	101817.3170250766	39.66977175383616	-101.3618502	297414.839251867	4393372.46660817	367.384115007756	15.55978087260803	305.022479390289	304.6791501197563	305.04840790051148	108.29893741140401
324	343	25404	-157761.1413	101817.3170250766	39.66977256413675	-101.3595972	297615.6596804217	4393370.381	365.8813908253	15.51436467710352	305.048010314981	305.1788673718075	303.95636739537103	103.9575977280026
325	343	25405	-157101.1413	101817.3170250766	39.6697933372724	-101.3571462	297816.67993471	4393374.29524666	364.3861321687504	15.5120372114809	305.060821	305.308194106314	303.6945055145894	101.994780085949
326	343	25406	-156441.1413	101817.3170250766	39.669804177776	-101.3548212	298017.6999639184	4393370.20939307	362.896187242458	13.5104732862493165	305.0335844966298	305.3051960663243	303.10374177668675	100.376717968675
327	343	25407	-155781.1413	101817.3170250766	39.66981485256227	-101.3524782	298218.719857499	4393376.124844271	360.7929336440137	13.46843498016377	304.63373726193	304.9861096241307	303.97960142008934	99.968338030326
328	343	25408	-155121.1413	101817.3170250766	39.66982551	-101.3501352	298419.7356709712	4393370.59798545	358.082403237225	14.46834774681594	304.850974225573	304.8897189768453	303.979781688453	97.93648577970316
329	343	25409	-154461.1413	101817.3170250766	39.66983702567861	-101.3478212	298629.7581971145	4393374.6546232	356.871482572088	14.45030711	304.874948155887	304.7463491371967	303.979781688453	97.93648577970316
330	343	25410	-153801.1413	101817.3170250766	39.66984671013426	-101.3454492	298821.7782558258	4393373.80760293	355.621367726915	14.43420039018504	304.72715715016815	304.8124540104971	303.979781688453	97.93648577970316
331	343	25411	-153141.1413	101817.3170250766	39.66985727068602	-101.3431062	299022.7794782514	4393379.78671823	354.3881178702534	14.41466636197336	304.62557614923217	304.900610358362	303.979781688453	97.93648577970316
332	343	25412	-152481.1413	101817.3170250766	39.6698677053354	-101.3407632	299223.816025384	4393375.70266063	345.52520355539	13.3970962807817	304.3025017315863	304.61878007743	303.979781688453	97.93648577970316
333	343	25413	-151821.1413	101817.3170250766	39.66987814	-101.3384202	299424.834809176	4393371.76284123	343.716292441453	13.317933261786587	304.997573775702	304.60785959562974	303.979781688453	97.93648577970316
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335	343	25415	-150501.1413	101817.3170250766	39.669898877242525	-101.3337233	299826.8771486988	4393374.452383267	333.4118944869484	13.34375112352487	304.9252710788516	304.675849914087	303.979781688453	97.93648577970316
336	343	25416	-149841.1413	101817.3170250766	39.66990917675133	-101.3311933	300077.8898334858	4393373.3366812047	332.3336681270457	13.3202759230945	304.931269138971786	304.671296938017	303.979781688453	97.93648577970316
337	343	25417	-149181.1413	101817.3170250766	39.66991943089528	-101.3290483	300228.90377325047	4393375.28657418	332.247826044488	13.313003116628494	304.918961900535	304.6663827159946	303.979781688453	97.93648577970316
338	343	25418	-148521.1413	101817.3170250766	39.66992963977491	-101.3267053	300429.9254030479	4393371.20401516	331.8197489640652	13.29781432993165	303.8791022900874	304.78310391762	303.979781688453	97.93648577970316
339	343	25419	-147861.1413	101817.3170250766	39.66993803390236	-101.3243623	300630.3423402217	4393370.12687186	331.84258946672996	13.28157824408887	303.836437920483	304.71133653259	303.979781688453	97.93648577970316
340	343	25420	-147201.1413	101817.3170250766	39.6699492174128	-101.3220193	300831.96021419324	4393370.0389473	330.2798623697	13.2672086136825	303.7909441984194	303.754711036268	303.979781688453	97.93648577970316
341	343	25421	-146541.1413	101817.3170250766	39.66995988425798	-101.3196783	301032.973548886	4393370.567722626	330.17566880294	13.25206110737396	303.713562159653	304.259208647319	303.979781688453	97.93648577970316
342	343	25422	-145881.1413	101817.3170250766	39.66997002569613	-101.3173233	301233.9427300915	4393370.479055555	328.204704749214	13.23777105212246	303.621245084096	303.675849914087	303.979781688453	97.93648577970316
343	343	25423	-145221.1413	101817.3170250766	39.66998001	-101.3149903	301435.010967487	4393369.795	329.0810871043586	13.22285809810387	303.432771767278	303.6890753627996	303.979781688453	97.93648577970316
344	343	25424	-144561.1413	101817.3170250766	39.66999942501914	-101.3126473	301636.02750698	4393368.71330606	328.67336995496	13.21207351082397	303.35094522202953	303.8013454258925	303.979781688453	97.93648577970316
345	343	25425	-143901.1413	101817.3170250766	39.66999983453111	-101.3103403	301837.0436612582	4393368.63255849	328.1675512266336	13.19696441793415	303.2799467508267	303.979781688453	303.979781688453	97.93648577970316
346	343	25426	-143241.1413	101817.3170250766	39.67000968129587	-101.3079613	302038.0600025204	4393367.58154356	327.9746275777716	13.18380963788228	303.2412504589057	303.674687111702	303.979781688453	97.93648577970316
347	343	25427	-142581.1413	101817.3170250766	39.67001482796619	-101.3056182	302298.079500612	4393367.41935922	327.1268989610473	13.171036214504378	303.2656566569048	303.648487926184	303.979781688453	97.93648577970316
348	343	25428	-141921.1413	101817.3170250766	39.6700239032007	-101.3033752	302440.970408954	4393367.391105341	326.13259960145	13.15835913350286	303.240647680333	303.109627263139	303.979781688453	97.93648577970316
349	343	25429	-141261.1413	101817.3170250766	39.67003302569613	-101.3011233	302651.070408954	4393367.391105341	325.13259960145	13.145835913350286	303.240647680333	303.109627263139	303.979781688453	97.93648577970316
350	343	25430	-140601.1413	101817.3170250766	39.67004861571032	-101.2985892	302842.12634278518	4393367.3128897	324.165118359118	13.133446829652	303.240647680333	303.109627263139	303.979781688453	97.93648577970316
351	343	25431	-139941.1413	101817.3170250766	39.67005823615272	-101.2962462	303043.1378071055							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft
433	343	253513	-8521.14133	101817.3170250766	36.70690375672496	-101.10411778	319525.74585481784	4333324.010959107	3106.2865741205806	2015.398630222782	2927.095132664596	2932.067292713696	88.3049396	83.3306517914217
434	343	253514	-8516.14133	101817.3170250766	36.70695893910326	-101.107748	319726.74543005994	4333320.35049351	3098.62719806299	2014.781874010248	2924.930005057784	2930.625264962786	89.812762323635	84.12256244474611
435	343	253515	-8490.14133	101817.3170250766	36.7070475726823	-101.0984317	319822.7461382262	4333316.658756753	3100.632626	2014.924271127175	2922.889646753757	2929.1780476168	91.1943707469272	84.90616844398512
436	343	253516	-8384.14133	101817.3170250766	36.7070510316745	-101.097087	32022.74687008165	4333323.20	3112.2836076623917	3103.40121	2920.974000584362	2927.603484119592	92.42811095	85.7986276121802
437	343	253517	-8318.14133	101817.3170250766	36.7071627800855	-101.0947456	320329.744	4333308.7475286	3123.9410133411834	3102.697288623014	2919.2070422324627	2926.056393934448	93.49024638872743	86.59144868865694
438	343	253518	-8252.14133	101817.3170250766	36.70721914016847	-101.0924026	320530.7432084761	4333304.111	315.5984170319975	3101.5647802040492	2917.603547418968	2920.1232778552395	87.8791754960684	86.8791754960684
439	343	253519	-8186.14133	101817.3170250766	36.7072757727021	-101.0900595	320731.742251424804	4333300.561161891	3011.988506208777	3101.988506208777	2915.948688911787	2920.342008	95.2498917090906	90.856843
440	343	253520	-8120.14133	101817.3170250766	36.7073319910618	-101.0877165	320932.7410476261	4333295.952244407	3104.12264342563307	3101.3949106560779	2914.775722654784	2919.6596673826015	91.690800128549	93.435133683
441	343	253521	-8054.14133	101817.3170250766	36.70738157166268	-101.0857304	321133.739705587563	4333291.933666988	3009.5497369211388	3103.22288461162	2912.82288461162	2919.6596673826015	91.690800128549	93.435133683
442	343	253522	-7989.14133	101817.3170250766	36.7074421169602	-101.0830304	321334.7382	4333287.875	3138.383339	3100.875617576636	2912.95067175695	2914.725476591129	95.7071440204919	93.93234120056907
443	343	253523	-7922.14133	101817.3170250766	36.7074967301891	-101.0806873	321535.73649975035	4333283.816400045	3007.7132007872306	3101.8973102677397	2923.267582787385	2916.8158873243082	94.5551205004827	94.5551205004827
444	343	253524	-7856.14133	101817.3170250766	36.7075500379141	-101.078343	321736.7343599005	4333279.758472261	3006.71058348136	3100.922120083217	2923.0691266157482	97.78846336	74.64158462238768	74.64158462238768
445	343	253525	-7790.14133	101817.3170250766	36.70760449239805	-101.0760012	321937.7325897076	4333275.700533376	3005.646029	3100.193268070203	2920.8516765599283	94.536677242275	84.7943239370168	84.7943239370168
446	343	253526	-7724.14133	101817.3170250766	36.7076576935877	-101.0736582	322138.730388099	4333271.64284131	3105.15765221339	3104.5161988731366	2905.7026967010493	2913.99527	88.3135020820873	90.5167216521652
447	343	253527	-7658.14133	101817.3170250766	36.7077104451361	-101.0713151	322339.72800437943	4333267.585344538	3003.5189791269524	3104.474849509588	2904.474849509588	2914.78915204946	96.84412958957386	94.712976046776
448	343	253528	-7592.14133	101817.3170250766	36.70776274222526	-101.0689721	322540.7254475496	4333263.528094566	3157.53755803005	3102.053093707256	2903.419073301358	2905.86169672513	96.83372609036764	96.83372609036764
449	343	253529	-7526.14133	101817.3170250766	36.70781078146	-101.066629	322741.72227	4333259.471074217	3160.205628426401	3000.7265740134644	2902.8407993016435	2904.0293230416966	97.8857741192049	96.697347197176676
450	343	253530	-7460.14133	101817.3170250766	36.7078657984255	-101.064286	322942.719616101	4333255.541283841	3003.785127168045	2999.3442125329852	2903.527242	2904.0293230416966	97.8857741192049	96.697347197176676
451	343	253531	-7394.14133	101817.3170250766	36.707916715363	-101.0619429	323143.7167425021	4333251.357223485	3161.583319189095	2997.909563366594	2903.3571241043067	2904.146639392	94.5518392628665	93.76345672666139
452	343	253532	-7328.14133	101817.3170250766	36.7079674038785	-101.0599999	323344.713496311	4333247.301390186	3156.4263037378799	2902.2104500902167	2902.851734274273	2904.146639392	94.5518392628665	93.76345672666139
453	343	253533	-7262.14133	101817.3170250766	36.7080177437798	-101.0572568	323545.707802453	4333243.25888973	3151.08825895847	2994.8981647133846	2901.29627067680536	2901.286429692442	93.996080208455	93.61173502094243
454	343	253534	-7196.14133	101817.3170250766	36.7080671091916	-101.0549137	323746.704885075	4333239.18461506	3154.80848194524	2993.2393573565	2899.678030232756	2899.678030232756	93.625945028944	93.4526191161397
455	343	253535	-7130.14133	101817.3170250766	36.708117472383	-101.0526182	323947.702773051	4333235.702773051	3154.80848194524	2993.2393573565	2899.678030232756	2899.678030232756	93.625945028944	93.4526191161397
456	343	253536	-7064.14133	101817.3170250766	36.708168231962	-101.0502276	324148.7698748458	4333231.07364085	3140.3767481915657	2989.07820567178	2898.3723597496966	2898.358731	91.7061808121163	91.72014951194814
457	343	253537	-6998.14133	101817.3170250766	36.708213043684	-101.0478486	324349.6496913318	4333227.032716811	3088.3973184429979	2987.87851728875	2897.87851728875	2897.87851728875	90.6808116052462	90.42678309339416
458	343	253538	-6932.14133	101817.3170250766	36.7082601680434	-101.0455415	324550.69041697215	4333222.962228605	3138.5895102726813	2986.681075880752	2897.280140858142	2897.335470694394	89.4003502	89.3456051833772
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460	343	253540	-6800.14133	101817.3170250766	36.7083549996678	-101.040854	324962.6814564526	4333214.859001014	3153.06662319494	2931.1531624884525	2895.6011592182807	2895.5472364817195	87.6058909048301	87.6058909048301
461	343	253541	-6734.14133	101817.3170250766	36.7084014123778	-101.0385124	325153.6786707924	4333210.804725475	3148.68267398341	2928.35477320233	2894.68051462871	2894.68051462871	86.8641349696537	86.8641349696537
462	343	253542	-6668.14133	101817.3170250766	36.708447722688	-101.0361693	325349.707717151077	4333206.70969451	3142.72762393744	2927.915446510962	2893.411906338545	2893.411906338545	86.0303451289255	86.0303451289255
463	343	253543	-6602.14133	101817.3170250766	36.7084928794183	-101.0338262	325555.6658960446	4333202.69689239	3133.067060734927	2927.64826404069	2892.075416	2892.063613215458	85.5728453145202	85.5728453145202
464	343	253544	-6536.14133	101817.3170250766	36.708537393475	-101.0314832	325756.6612943931	4333208.634315904	3130.987081373256	2925.761028314527	2890.585493821825	2895.282967161288	85.1755349	85.1755349
465	343	253545	-6470.14133	101817.3170250766	36.7085825335158	-101.0291401	325957.6558299774	4333204.58968366	3128.9080606001394	2923.84906330324	2889.098719746236	2888.962873970097	84.7104335309055	84.8607551091445
466	343	253546	-6404.14133	101817.3170250766	36.708626685023	-101.0267971	326158.6591962627	4333200.358605039	3126.82982063021	2921.91266376833	2887.68185264311	2887.49640225344	84.230811320165	84.4159237139662
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469	343	253549	-6206.14133	101817.3170250766	36.7087561466802	-101.0197679	326761.6328219907	4333188.47389221	3120.748	2919.92709292411	2886.346311821242	2886.411808	77.6284811026862	77.52227177
470	343	253550	-6140.14133	101817.3170250766	36.7087987524356	-101.0174248	326962.625964943	4333174.326572997	3118.729405943912	2923.963415865183	2889.6040050747197	2889.8332631409	74.3373448189864	74.1060224252352
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472	343	253552	-6008.14133	101817.3170250766	36.70889270438644	-101.0127387	327364.6128523509	4333166.223	3116.71283986824	2919.848670662843	2888.70384203641	2888.947976918317	71.14483032518317	71.00699014699052
473	343	253553	-5942.14133	101817.3170250766	36.7089320349657	-101.0103956	327565.600400172	4333162.17148812	3116.04922893032	2917.819602846678	2886.74679580134	2886.74679580134	70.3117448355342	70.3117448355342
474	343	253554	-5876.14133	101817.3170250766	36.7089765828385	-101.0080626	327766.599003137	4333158.12616084	3109.90016892324	2915.70068626297	2885.36754548728	2885.267128589672	70.3344173776696	70.3344173776696
475	343	253555	-5810.14133	101817.3170250766	36.7090236831386	-101.0057915	327967.5896439425	4333154.270239744	3108.942693974	2914.72762393744	2884.68051462871	2884.68051462871	69.863303875415	69.863303875415
476	343	253556	-5744.14133	101817.3170250766	36.70907432077426	-101.003365	328168.5845985396	4333150.01829297	3114.623061194627	2913.517688432915	2883.0319894755945	2883.0319894755945	68.8484728203061	68.8484728203061
477	343	253557	-5678.14133	101817.3170250766	36.70909240566705	-101.0010234	328369.5711724105	4333145.96794885	3114.349727860425	2912.4890453				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.ft	W.Lt	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
55	343	25639	-2661.141327	1018117.310250766	36.6707539717425	-100.8088917	344850.41540746804	4392814.598745469	2964.698356267784	2779.12101610031	2800.1180034241393	2796.514657210332	0
560	343	25640	-2601.141327	1018117.310250766	36.6707559	-100.8065487	345051.3947888428	4392810.567160439	2962.351129732257	2777.1521665549647	2794.6134514285977	2792.4028219644671	0
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562	343	25642	-6641.1413269	1018117.310250766	36.6707510420996	-100.8018265	345453.3310290457	4392802.504676393	2957.6566767841095	2773.3343637951616	2783.74118812098335	2784.9841417066447	0
563	343	25643	-21.14132693	1018117.310250766	36.6707575160245	-100.7995195	345654.33203600463	4392798.743777305	2954.40092760340377	2771.489038699646	2782.384670742707	2781.898304170226	0
564	343	25644	638.856677033514	1018117.310250766	36.6707574329227	-100.7971764	345855.3102609131	4392794.443106881	2950.261701024534	2769.688182042224	2779.660137612007	2793.51563964364	0
565	343	25645	1298.856677033514	1018117.310250766	36.6707567747326	-100.7948333	346056.2894553993	4392790.412665094	2946.111022628696	2767.93019557614	2777.875433904052	2777.728884	0
566	343	25646	1958.856677033514	1018117.310250766	36.67075626815	-100.7924902	346257.2679420483	4392796.382451928	2941.966551017285	2766.22468988805	2776.348324	2777.6884291492496	0
567	343	25647	3218.856677033514	1018117.310250766	36.670756974716	-100.7901472	346459.2462933307	4392796.000369583	2938.7981435995583	2764.563931455007	2775.6658728010884	2775.6658728010884	0
568	343	25648	3278.856677033514	1018117.310250766	36.6707570502489	-100.7878041	346659.2244704239	4392796.322711419	2937.608905	2762.962052030257	2774.8916493064285	2775.123472089333	0
569	343	25649	3938.856677033514	1018117.310250766	36.6707495900093	-100.785461	346860.205215333	4392774.293184063	2919.41959368203	2761.382369092943	2774.6986731951642	2774.6986731951642	0
570	343	25650	4598.85667703351	1018117.310250766	36.6707466226815	-100.7831179	347061.1804066555	4392770.26385927	2911.230426999502	2759.8615815380745	2773.8602951465546	2774.1893501747063	0
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572	343	25652	5918.85667703351	1018117.310250766	36.6707394862705	-100.7784318	347463.1375302016	4392762.205973484	2897.9258273994637	2756.9653199765416	2773.260714600345	2773.096071754945	0
573	343	25653	6578.85667703351	1018117.310250766	36.6707351628091	-100.7760887	347684.11320525698	4392758.177390428	2891.785840735762	2755.573737134841	2772.6901302389374	2772.2277658259916	0
574	343	25654	7238.85667703351	1018117.310250766	36.670730423281	-100.7737457	347865.0905105377	4392754.14897918	2885.645854	2754.239276	2771.56305698191	2771.136257101686	0
575	343	25655	7898.85667703351	1018117.310250766	36.670732531781	-100.7714026	348066.0676997056	4392750.12081952	2883.78464805695	2752.961974526467	2768.1951235443	2769.559478412575	0
576	343	25656	8558.85667703351	1018117.310250766	36.6707195893651	-100.7690595	348257.0446810619	4392746.09292523	2884.9836373777	2751.706223295747	2766.93870557249	2767.675218792495	0
577	343	25657	9218.85667703351	1018117.310250766	36.6707139734882	-100.7667164	348468.0215467186	4392742.06519369	2886.58899606989	2750.5138113006783	2765.289402721703	2765.228507413574	0
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579	343	25659	10538.85667703351	1018117.310250766	36.67070944919362	-100.7620303	348869.9749836427	4392734.010481351	2883.294518966078	2748.2482208385663	2758.871373366858	2759.1869504583805	0
580	343	25660	11188.85667703351	1018117.310250766	36.6706924874638	-100.7598872	349074.9015671232	4392729.384367973	2871.890113	2747.1759061910783	2755.386440072592	2757.112950504895	0
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582	343	25662	12518.85667703351	1018117.310250766	36.6706762205323	-100.7550011	349472.9038715566	4392721.90126676	2849.051303650032	2745.124855060307	2748.64036	2749.052847622005	0
583	343	25663	13178.85667703351	1018117.310250766	36.6706674080556	-100.752568	349673.8796791181	4392717.903798741	2838.67160684837	2744.180427	2745.5876497022177	2745.9947030586917	0
584	343	25664	13838.85667703351	1018117.310250766	36.67065814292334	-100.7503149	349874.85552618693	4392713.87769273	2829.256620197	2743.251945275544	2743.189014	2743.503045154506	0.00590636
585	343	25665	14498.85667703351	1018117.310250766	36.6706484	-100.7479719	350075.831225858	4392709.85182258	2819.8416518396	2742.354937	2740.854708265024	2741.132902992747	1.058182713217603
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589	343	25669	17128.85667703351	1018117.310250766	36.6706050272826	-100.7385996	350879.732695204	4392705.70526575	2778.2756494293924	2739.0285616799956	2732.59800121845	2732.8036236038935	4.630415581504045
590	343	25670	17798.85667703351	1018117.310250766	36.6705930461136	-100.736265	351088.7067774263	4392698.726	2767.295652713737	2738.281459945523	2730.139431803718	2730.139431803718	5.7934723192227031
591	343	25671	18458.85667703351	1018117.310250766	36.67058061237495	-100.7339134	351281.6825158153	4392685.701397241	2764.55459364386	2737.479739436424	2727.891092473905	2728.07689795293	5.98861444715905
592	343	25672	19118.85667703351	1018117.310250766	36.670567725942	-100.7315704	351482.65712114015	4392673.172571272	2761.014965371072	2737.173828392023	2726.16885423273	2726.3441747973881	6.17323466326594
593	343	25673	19778.85667703351	1018117.310250766	36.6705543986083	-100.7292273	351683.6317634224	4392677.653081482	2757.48427009934	2735.95358580318	2725.35846847628	2725.62850874284	10.5991873749375
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595	343	25675	21098.85667703351	1018117.310250766	36.6705263506832	-100.7245411	352085.5804968044	4392678.969569228	2748.7935269567228	2738.381506071263	2726.160811228264	2726.75024255105	11.28126320212378
596	343	25676	21758.85667703351	1018117.310250766	36.6705116534739	-100.7221981	352296.554664078	4392665.5826582	2747.931624046537	2735.94802537158	2726.9405956223695	2727.1180947128173	6.60920947478501
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598	343	25678	23078.85667703351	1018117.310250766	36.6704809012607	-100.7175119	352688.7368361466	4392657.532682181	2826.256168547472	2731.7508164737033	2725.920718028043	2726.154354447811	5.80030445669051
599	343	25679	23738.85667703351	1018117.310250766	36.6704654848156	-100.7151689	352889.476084741	4392653.613914951	2830.635294321516	2730.7828241164375	2725.2746944223273	2725.494742896209	5.239576932166256
600	343	25680	24398.85667703351	1018117.310250766	36.670448338399	-100.7128158	353090.449641313	4392649.491169711	2828.4517319476	2729.720265547466	2725.063245290605	2725.063245290605	4.712004249037727
601	343	25681	25058.85667703351	1018117.310250766	36.670431778675	-100.7099623	353291.423568027	4392645.8257287	2826.488551192324	2728.7484819236983	2724.189179236983	2724.189179236983	4.081353145792
602	343	25682	25718.85667703351	1018117.310250766	36.670413946413	-100.7078936	353492.3933106766	4392641.447	2823.7243331109486	2727.68266724837	2724.630644065522	2724.630644065522	3.805220180114702
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604	343	25684	27038.85667703351	1018117.310250766	36.6703779	-100.7034535	353894.32445667706	4392634.603781181	2824.753542373483	2725.1622466337108	2725.13343451456	0.3431076400374877	0.1870108582500155
605	343	25685	27698.85667703351	1018117.310250766	36.6703590095836	-100.7011104	354095.31530852127	4392629.382368057	2824.2508505717766	2724.390663139105	2725.742046661708	2725.875393637218	0
606	343	25686	28358.85667703351	1018117.310250766	36.670337958316	-100.6987674	354296.2880200114	4392625.361292574	2821.7593479368124	2723.2598709927466	2726.6048729918216	2726.371989354367	0
607	343	25687	29018.85667703351	1018117.310250766	36.6703201081346	-100.6964245	354497.265915227	4392621.34					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREVELogsKgf.f	BREVEBothKgf.f	SatThLogs.f	SatThBoth.f
65	343	253765	80498.8586730335	1018117.3170250766	36.67039069472035	-105.1366595	470172.7064389504	4329308.416898473	2732.7187703254904	2632.808389793378	2611.4288445387795	2611.7294838741723	21.37854405583147	21.07895018202658
66	343	253766	81158.8586730335	1018117.3170250766	36.67033525801865	-105.1313224	470733.666891867	4393204.314055648	2728.410125259786	2632.258731786533	2609.175361259716	2609.703662349115	22.55490794406236	22.55490794406236
67	343	253767	81818.8586730335	1018117.3170250766	36.67072863966772	-105.08974	470874.6308148337	4393204.314055648	2724.486681811842	2631.703454868195	2607.000970178835	2607.207728704984	24.70246750135388	24.4687319753388
68	343	253768	82378.8586730335	1018117.3170250766	36.67072230266403	-105.0506633	471075.7232516967	4392396.409	2707.834222069882	2615.7536234148	2604.808779177421	2604.80874411861	26.34680468072744	26.14680468072744
69	343	253769	83138.8586730335	1018117.3170250766	36.67071662319636	-105.0542293	470976.5542956787	4392292.406892396	2712.719834861497	2630.6044718309527	2602.6946523730786	2602.838521824185	27.90951945787412	27.76495008083417
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71	343	253771	84518.8586730335	1018117.3170250766	36.67070513	-105.0499672	471377.4747484604	4392284.03254483	2711.15159126812	2629.341782474354	2598.446416688428	2598.591387189811	30.8953018800743	30.740826068524387
72	343	253772	85118.8586730335	1018117.3170250766	36.6706993119855	-105.0497264	471579.4389494256	4392280.40177679	2708.855266999043	2628.245454389693	2598.529729111251	2598.52971491971063	32.5712527444173	32.2296239
73	343	253773	85778.8586730335	1018117.3170250766	36.67069362396772	-105.0498411	471780.4004767567	4392280.400496986	2708.564949	2627.97786651108	2593.245849496938	2593.366775011403	33.37279804125428	33.6411688178631
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81	343	253781	91058.8586730335	1018117.3170250766	36.67064438855416	-105.0476167	473388.0681017364	4392244.3981373036	2696.6315733366105	2616.4629678875076	2577.107484988724	2576.5558997548138	39.9550291878374	39.90706813297584
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97	343	253797	101618.8586730335	1018117.3170250766	36.6705392202182	-105.043868	476603.4349893378	4392184.430557784	2651.6065878113027	2596.68121868044	2531.20012388733	2530.529163871027	43.76602309562797	43.76602309562797
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101	343	253801	104258.8586730335	1018117.3170250766	36.6705107993467	-105.0429318	477407.26074629668	4392154.47841564	2646.53136255115	2592.03038715124	2508.0842149711224	2508.0842149711224	43.865145105686	43.865145105686
102	343	253802	104918.8586730335	1018117.3170250766	36.67050380671054	-105.0426979	477608.2252871444	4392160.463	2642.216073623793	2590.7952286034	2502.19514025363	2501.205324341574	43.89007806065671	43.89007806065671
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104	343	253804	106238.8586730335	1018117.3170250766	36.67048932444189	-105.0422368	478010.105066674	4392152.475552034	2626.226765296275	2588.2681693531165	2494.486027570522	2494.486027570522	43.92814176	43.92814176
105	343	253805	106898.8586730335	1018117.3170250766	36.67048021541889	-105.0419437	478211.098088209	4392148.40587609	2617.006654559625	2587.046350246146	2493.961635080313	2493.961635080313	43.94766338114655	43.94766338114655
106	343	253806	107558.8586730335	1018117.3170250766	36.67047466112429	-105.0417007	478412.55043111276	4392144.46863286	2607.784564	2586.64212433097618	2488.233902767313	2487.25732789084	43.9682416677875	43.9682416677875
107	343	253807	108218.8586730335	1018117.3170250766	36.670467136431	-105.0414691	478613.988513907	4392140.46863286	2606.781885133672	2585.73618507784	2488.233902767313	2488.233902767313	43.98907806065671	43.98907806065671
108	343	25												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLogsKrg.	BRIEVBothKrg.	SatThLogs.f	SatThBoth.f
71	34	253891	-324741.1413	1018777.3170250766	36.66740994535281	-101.952282	246754.7632687868	4395010.789194989	3468.5112538056146	3441.2200278276746	3396.8347464589714	3404.5355994076876	34.385281412803124	36.6842486498982
72	344	253892	-324081.1413	1018777.3170250766	36.66731694120206	-101.949932	246955.8400125026	4395006.644797268	3489.4036	3440.584432	3397.0860750843162	3405.4757904737045	34.49836597919397	35.10870444455704
73	344	253893	-323421.1413	1018777.3170250766	36.66743386750486	-101.947869	247156.9168622768	4394922.500633268	3498.290685659748	3439.98429297296	3397.0778019153826	3423.95533146829216	35.82606378979560	36.78906795607486
74	344	253894	-322761.1413	1018777.3170250766	36.66747605529995	-101.945237	247375.982056773	439396.566698744	3471.1884279706017	3439.303697167096	3477.07908317187	3403.212327513198	34.115578886	36.18034985
75	344	253895	-322101.1413	1018777.3170250766	36.66748816837705	-101.942910	247559.0688474207	439435.212999607	3466.53426582428	3438.72406725885	3397.524127866557	3400.8107407436088	34.20027883	37.91343196227065
76	344	253896	-321441.1413	1018777.3170250766	36.66752023668813	-101.940581	247760.144589182	4394090.095831589	3460.34069433784	3397.818360438524	3397.733766407348	3400.4072781717565	38.0855403182205	36.0854303182205
77	344	253897	-320781.1413	1018777.3170250766	36.667542259181275	-101.938225	247961.2200423864	439436.962998484	3566.728038296948	3396.725452244384	3396.823969697401	3400.026643117266	38.34547146608447	36.34547146608447
78	344	253898	-32021.1413	1018777.3170250766	36.667562641711	-101.9358285	248162.2953005966	4394981.783298487	3526.1356312534955	3435.60707586175	3398.4271012043597	3396.4564997130215	40.13497487	35.190152616
79	344	253899	-319641.1413	1018777.3170250766	36.66758616639552	-101.933597	248363.7302896477	4394977.54503184	3531.02205365168	3443.51430238063	3398.34765388999	3398.875785686417	41.768389516382	36.458406242114
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81	344	253901	-318141.1413	1018777.3170250766	36.6676289580011	-101.9288542	248765.5196545555	4394969.35691651	3530.854045988304	3432.457629545466	3387.15001589258	3387.2045152477277	43.3200436528845	45.23101700881888
82	344	253902	-317481.1413	1018777.3170250766	36.6676169278617	-101.9265114	248966.5932659778	4394965.218624103	3530.77041262194	3381.54281294302	3383.487551152155	3383.41103420138	48.0526179174694	48.129045276372
83	344	253903	-316821.1413	1018777.3170250766	36.667673443734685	-101.924168	249167.66782867207	4394961.07178325	3537.4629376648	3430.670087467822	3379.825608276534	3379.596405553393	50.4804541253297	51.09094541253297
84	344	253904	-316161.1413	1018777.3170250766	36.6676951942559	-101.9218258	249368.74135836754	4394956.30178907	3550.932732494527	3429.857862106654	3376.877362428506	3376.4996071429637	50.98351378215678	51.236969077017
85	344	253905	-315501.1413	1018777.3170250766	36.6677168085891	-101.919483	249569.8150909458	4394952.788069469	3564.40257523845	3429.105802652924	3376.306813396223	3375.9007684573028	52.798831050470126	53.20530410775473
86	344	253906	-314841.1413	1018777.3170250766	36.66773840250453	-101.9171402	249770.88035067427	4394948.467767035	3577.872322153432	3428.412796049232	3376.641064114638	3378.267172300505	49.708356276608	50.1251831947377
87	344	253907	-314181.1413	1018777.3170250766	36.66775994945343	-101.914794	249971.961305658	4394944.50676092	3586.089836399147	3427.77107863812	3382.0147733241683	3376.7716572247	49.762334596439	46.0039129156494
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89	344	253909	-312861.1413	1018777.3170250766	36.6678029901343	-101.9101118	250374.1066462992	4394936.22564013	3587.056803716696	3426.66716880089	3387.9118768369276	3387.8368413216373	38.75529214316157	38.75529214316157
90	344	253910	-312201.1413	1018777.3170250766	36.667824433159474	-101.907769	250575.1789123497	4394932.05843917	3588.049253166648	3426.1865701573265	3390.0426625730897	3390.199782514441	36.14300758423678	35.98678494188562
91	344	253911	-311541.1413	1018777.3170250766	36.667847205624612	-101.9054262	250777.25094332713	4394927.94548344	3584.31128313328	3425.749713333728	3391.2554085787956	3391.540345586814	34.39003475853251	34.13667888164673
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93	344	253913	-310221.1413	1018777.3170250766	36.667887153382694	-101.900638	251178.2944353742	4394918.66203277	3574.9492484026	3424.98474748943	3391.189757865936	3391.189757865936	51.538326756447894	51.538326756447894
94	344	253914	-309561.1413	1018777.3170250766	36.66790971715837	-101.898378	251379.46554158675	4394915.52628458	3558.93157575754	3424.63892495076	3390.947512874587	3381.650544721304	49.76914118517198	42.9875875754523
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96	344	253916	-308241.1413	1018777.3170250766	36.66795209	-101.8937121	251781.607381328	4394907.24060447	3567.396863907506	3423.9696753017506	3373.469207920404	3374.5092873184713	50.500467381346245	50.500467381346245
97	344	253917	-307581.1413	1018777.3170250766	36.66797302494821	-101.891393	251982.6778286104	4394903.110438383	3575.860134902532	3423.079159256547	3371.2144557187106	3376.981802395453	52.93458474384846	51.20873568810932
98	344	253918	-306921.1413	1018777.3170250766	36.66799427026555	-101.8890265	252183.7482339332	4394898.972	3584.32823937373	3423.200954547604	3369.91775762041	3371.609973801282	53.283197711964	51.5909023624783
99	344	253919	-306261.1413	1018777.3170250766	36.6680153382694	-101.8868127	252384.81829435742	4394894.83491972	3591.428923818138	3422.93823325	3371.189757865936	3371.189757865936	51.538326756447894	51.538326756447894
100	344	253920	-305601.1413	1018777.3170250766	36.668036284154595	-101.884409	252594.98911011574	4394890.6913426	3597.17699197827	3421.778915134812	3370.9611065477	3371.101065477	52.93458474384846	51.0184340810504
101	344	253921	-304941.1413	1018777.3170250766	36.66805722172015	-101.88198	252786.95786184326	4394885.58458662	3602.9242670374077	3421.544183	3369.218357450891	3371.040037824963	52.9225588959516	50.5032455133588
102	344	253922	-304281.1413	1018777.3170250766	36.66807811276742	-101.8796552	252988.027008500	4394882.421	3608.669142801914	3420.8317487265917	3368.6206372800234	3369.53290289973	53.2251144665834	51.30782782669609
103	344	253923	-303621.1413	1018777.3170250766	36.668098858556314	-101.8773124	253189.09609153474	4394878.283881721	3614.170898734232	3420.052757426524	3367.00529626821	3367.00529626821	53.40246473702465	53.04602692348124
104	344	253924	-302961.1413	1018777.3170250766	36.66811976	-101.8749696	253390.16493073764	4394874.19268231	3619.42742	3419.222441901613	3364.8760855006	3364.83035	54.3426355365317	54.39187603201136
105	344	253925	-302301.1413	1018777.3170250766	36.66814054358825	-101.8726628	253591.235263714	4394870.01020749	3624.884648494277	3418.355901422668	3362.634985960618	3363.45089818927	55.72090635824861	54.9046127053397
106	344	253926	-301641.1413	1018777.3170250766	36.66816124372726	-101.870383	253792.3018787452	4394865.87317917	3629.941427387035	3417.4647709157875	3361.86914656429	3361.86914656429	57.0276764647791	57.0276764647791
107	344	253927	-300981.1413	1018777.3170250766	36.66818188917327	-101.8679411	253993.9689742038	4394861.73746385	3633.63697556122	3416.560232675687	3361.9890584713947	3367.47480801817	58.02184282521102	56.08191479643955
108	344	253928	-300321.1413	1018777.3170250766	36.6682050862384	-101.865593	254194.4378533794	4394857.601440792	3638.71170507299	3415.650640904732	3355.33229799568	3356.28240070246	60.31835109514642	59.3624012
109	344	253929	-299661.1413	1018777.3170250766	36.6682280826167	-101.863255	254395.50457645238	4394853.46565007	3638.9064354483236	3414.7418717881827	3352.65550488517	3352.350301579602	62.211446581	62.211446581
110	344	253930	-299001.1413	1018777.3170250766	36.66824361184086	-101.8609126	254596.5728570807	4394849.33091836	3638.641164095736	3413.8340729814668	3349.9440545563015	3350.38545232557	63.89002741838216	63.89002741838216
111	344	253931	-298341.1413	1018777.3170250766	36.66826049556135	-101.858598	254797.6399525126	4394845.391	3635.56971738032	3412.93885855448	3347.9338799819	3352.7343278413764	65.95412506	60.194181014072456
112	344	253932	-297681.1413	1018777.3170250766	36.668284540230094	-101.856227	254988.7069912434	4394841.059872472	3637.620594911221	3412.02841070414	3343.606217769644	3347.9338799819	67.005467525065	67.005467525065
113	344	253933	-297021.1413	1018777.3170250766	36.66830527517029	-101.85391	255189.88911011574	4394836.1913426	3639.43697556122	3411.1156477093498	3342.93823325	3342.93823325	68.0276764647791	68.0276764647791
114	344	253934	-296361.1413	1018777.3170250766	36.66832572517029	-101.8515413	255400.8399575142	4394832.79103456	3631.93684951956	3410.2557074644815	3341.635349091323	3341.635349091323	69.053135	67.0857235517823
115	344													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
197	344	254017	-241581.1413	1018777.3170250766	39.6698657863934	-01.65708716	272088.5299653474	3434490.425990358	3484.4362472085813	3235.562352	3221.3085483879763	3221.134580517357	114.2538038972382	114.42771775854326
198	344	254018	-240921.1413	1018777.3170250766	39.66987620471174	-01.6547387	272289.5767967892	3434486.104067074	3484.662319602845	3334.500505212268	3219.812641437479	3219.8480823747892	114.68770087478892	114.6522678378742
199	344	254019	-240261.1413	1018777.3170250766	39.6698945252221	-01.6532897	272490.524130331	3434482.16562897	3485.038981340067	3335.43529337569	3218.425293784865	3218.425293784865	115.062604122892	115.0219135477051
200	344	254020	-239601.1413	1018777.3170250766	39.66990581071024	-01.6505028	272691.6690052436	3434480.980970826	3485.566219429085	3322.3700631	3216.9900475539104	3217.826563177353	115.34031498882623	114.5439703507728
201	344	254021	-238941.1413	1018777.3170250766	39.669922291357814	-01.6477708	272892.7159738636	3434483.966426847	3486.039350755925	3321.30232438172694	3215.6237754570084	3216.564616205737	115.6785432426098	114.73786316069209
202	344	254022	-238281.1413	1018777.3170250766	39.6699366390784	-01.6453469	273093.7620183608	3434489.852258411	3486.62079596355	3330.2315230465	3214.07918553293	3215.554171635996	116.1523346771723	114.84730175676964
203	344	254023	-237621.1413	1018777.3170250766	39.669954916153655	-01.643024	273294.807373973925	3434495.73827802	3486.9234969112240	3329.1580534023266	3212.373599611232	3214.120512115665	116.7849434310949	115.03754092666168
204	344	254024	-236961.1413	1018777.3170250766	39.6699712506454	-01.640681	273495.8532379192	3434461.624584965	3487.016227682004	3328.081244468695	3210.718375196603	3213.145139443169	117.3737404969621	114.9361002270076
205	344	254025	-236301.1413	1018777.3170250766	39.66998747989331	-01.6383381	273696.8985151073	3434457.51041893	3487.07874685327	3326.89720399379	3209.22698338729	3212.745417892736	117.768100905889	115.0219135477051
206	344	254026	-235641.1413	1018777.3170250766	39.6700036387014	-01.6359591	273897.9345655004	3434453.39776574	3487.15874502253	3325.90520163065	3208.088813896964	3212.21656947574	117.8162303278787	113.688519830819
207	344	254027	-234981.1413	1018777.3170250766	39.6700198254825	-01.6336522	274098.9885933224	3434459.284723008	3510.950073645553	3324.805729853266	3206.30610083493	3211.354923898604	118.4549279697722	113.4135486646617
208	344	254028	-234321.1413	1018777.3170250766	39.6700358960372	-01.6313092	274300.0300778007	3434445.17931101	3510.95463549207	3323.702430099554	3205.002429484223	3210.818177534296	118.7000006531171	112.8842342461274
209	344	254029	-233661.1413	1018777.3170250766	39.67005194422778	-01.6289663	274501.73773806214	3434441.05991381	3509.9662175842504	3322.594846371465	3203.6824961883355	3210.622358729643	119.0123051831136	111.7547826252097
210	344	254030	-233001.1413	1018777.3170250766	39.67006795	-01.6266233	274702.1216	3434436.94687277	3509.46869435946	3321.482606871774	3202.3944094797497	3209.814172466106	119.0886198969942	112.0685434516341
211	344	254031	-232341.1413	1018777.3170250766	39.6700839	-01.6242804	274903.16459254867	3434432.34966887	3507.339997427315	3320.3445049695072	3201.4458990595072	3209.416759801078	119.542009520917	110.542009520917
212	344	254032	-231681.1413	1018777.3170250766	39.67009981727554	-01.6219174	275104.2092129681	3434428.722981148	3503.572940351408	3319.244781787576	3200.145878044524	3209.845120315616	119.120130953052	109.3996144814161
213	344	254033	-231021.1413	1018777.3170250766	39.67011568467225	-01.6195495	275305.25721146405	3434424.613297197	3499.808406156058	3318.119214283813	3198.8232135292055	3210.280166519077	119.2960075460576	107.8396477643464
214	344	254034	-230361.1413	1018777.3170250766	39.6701315024638	-01.6172515	275506.2959891841	3434420.449093825	3496.040827951404	3316.9859452757482	3197.456328042502	3210.2728491480284	119.5332172324643	106.7169617271984
215	344	254035	-229701.1413	1018777.3170250766	39.67014728	-01.6149086	275707.33904579526	3434416.386716537	3492.705007373219	3315.85606826033	3197.3917014847803	3210.460710862733	119.4643644412526	106.0950950362973
216	344	254036	-229041.1413	1018777.3170250766	39.670163421766	-01.6125656	275908.381881622	3434412.27775871	3489.935927383523	3314.71900923477867	3195.1178831783585	3209.1486253408586	119.6011260871291	105.5691839362912
217	344	254037	-228381.1413	1018777.3170250766	39.670178030969	-01.6102227	276109.424970528	3434408.1701878	3487.1213398438613	3313.5783045993313	3193.8782532093979	3207.8339898384	119.95005224833043	105.9946371458282
218	344	254038	-227721.1413	1018777.3170250766	39.67019434	-01.6078797	276310.4686921117	3434404.06537409	3484.30655889519	3312.4336174759919	3192.51675738457	3202.159562049615	119.826843300204	110.2745412781624
219	344	254039	-227061.1413	1018777.3170250766	39.670209870681	-01.6054861	276511.505081954	3434398.289594928	3482.9369627856935	3311.28962677856935	3191.623247489296	3201.7972423162996	121.42989917537	105.9946371458282
220	344	254040	-226401.1413	1018777.3170250766	39.670225487011116	-01.6031938	276712.5510212228	3434395.83242362	3490.057016959247	3310.130983485424	3190.157625269093	3200.95152506	119.9732581794351	105.9946371458282
221	344	254041	-225741.1413	1018777.3170250766	39.6702409203245	-01.6008058	276913.59275748755	3434391.72642484	3494.846860209174	3308.96935179138	3189.066557201916	3200.963964944667	119.9732581794351	105.9946371458282
222	344	254042	-225081.1413	1018777.3170250766	39.6702565183284	-01.5985079	277114.632733669	3434387.61874233	3494.625819	3307.801787969321	3187.746779	3200.494066045795	120.355272935416	105.9946371458282
223	344	254043	-224421.1413	1018777.3170250766	39.67027186634984	-01.5961649	277315.6755695954	3434383.57376285	3502.447110467058	3306.628279337733	3187.2338648363214	3201.8758156276992	120.355272935416	105.9946371458282
224	344	254044	-223761.1413	1018777.3170250766	39.670287235604206	-01.593882	277516.716474098	3434379.398	3503.31073544104	3305.449327590717	3186.340315959436	3199.099581123396	119.1000011631214	106.4394816351355
225	344	254045	-223101.1413	1018777.3170250766	39.6703028996974	-01.5914978	277717.757081954	3434375.3330409	3504.1743642268	3304.265833516775	3185.4682969964	3198.712228919964	117.972423699694	105.9946371458282
226	344	254046	-222441.1413	1018777.3170250766	39.67031838320595	-01.589119	277918.7981461748	3434371.180917471	3505.77653040096	3303.472724230078	3184.5320573274877	3185.750092029465	105.951423555215	105.9946371458282
227	344	254047	-221781.1413	1018777.3170250766	39.67033370719143	-01.5867391	278119.835676909	3434367.072507288	3505.14060534658	3301.8840954831056	3183.608173814808	3190.6545525181784	118.2706848162481	111.2393432492718
228	344	254048	-221121.1413	1018777.3170250766	39.67034825995066	-01.584401	278320.787709087	3434363.64326892	3504.482221169431	3300.68863536896	3182.881120123095	3187.5100214724807	118.7075113380097	111.78143644153
229	344	254049	-220461.1413	1018777.3170250766	39.670363402935955	-01.5821071	278521.91875523933	3434358.856381679	3503.6238366894529	3299.488232	3182.133092369031	3184.8349044035185	117.3551400914189	114.6532324060315
230	344	254050	-219801.1413	1018777.3170250766	39.6703785061045	-01.5797462	278722.9582355554	3434354.79	3503.164520940505	3298.284681435597	3181.1258739796345	3181.578239796345	116.70351046089545	116.70351046089545
231	344	254051	-219141.1413	1018777.3170250766	39.6703935029252	-01.5774212	278923.9980734434	3434350.64182365	3502.1679041835668	3297.075989470353	3180.420967238617	3178.0758418521305	116.65491321271763	118.9982979494084
232	344	254052	-218481.1413	1018777.3170250766	39.67040850181774	-01.5750871	279125.03450875	3434346.5330409	3501.265335156175	3295.86335156175	3178.0286158052	3174.370345691	116.65491321271763	118.9982979494084
233	344	254053	-217821.1413	1018777.3170250766	39.67042352021956	-01.5727352	279326.076509537	3434342.426908284	3499.48406195666	3294.87287059565	3176.354951007073	3176.354951007073	116.65491321271763	118.9982979494084
234	344	254054	-217161.1413	1018777.3170250766	39.67043838697936	-01.5703923	279527.1154109087	3434338.32	3498.1575693554	3293.425879797263	3177.636996546762	3173.23578649509	115.7889352050113	121.19009294816487
235	344	254055	-216501.1413	1018777.3170250766	39.67045331006165	-01.5680493	279728.1541004235	3434334.213662732	3496.37296377852	3292.1902308	3176.7528046722264	3171.854473	115.44541435068285	120.355272935416
236	344	254056	-215841.1413	1018777.3170250766	39.67046814	-01.5657063	279929.192565133	3434330.107236212	3494.7481636904267	3290.93648769576	3176.027242891139	3171.1981950613475	114.93660587843715	119.7656370823255
237	344	254057	-215181.1413	1018777.3170250766	39.67048291700016	-01.5633634	280130.23081349564	3434326.011517050	3492.92066643001	3289.728066414424	3175.3781287502507	3170.9136023323	114.93660587843715	119.7656370823255
238	344	254058	-214521.1413	1018777.3170250766	39.6704976575489	-01.5610204	280331.268454686	3434321.895	3491.09513595575	3288.4692934241603	3174.901115602622	3169.161090890623	113.60918276200704	119.7656370823255
239	344	254059	-213861.1413	1018777.3170250766	39.67051284980814	-01.5586861	280532.3184980814	3434317.684246986	3490.21218395706	3287.351071589	3174.901115602622	3169.161090890623	113.60918276200704	119.7656370823255
240	344	254060	-213201.1413	1018777.3170250766	39.6705269783102	-01.556334	280733.346222474	3434313.684246986	3490.21218395706	3287.351071589	3174.901115602622	3169.1		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRELEVLogKrg.	BRELEVBothKrg.	SatHtLogKrg.	SatHtBoth.	
323	344	254143	-158421.1413	1018777.3170250766	36.67158473272305	-101.3618642	297418.73345797796	43939373.742259798	3398.280237679121	314.95994966610453	3050.563575621015	3050.224271785552	104.4339920400304	104.7752238749334
324	344	254144	-157761.1413	1018777.3170250766	36.6715958012989	-101.3599212	297419.753687583	43939661.650271707	3341.712561487753	314.7179057337874	3050.4192057017407	3050.459695373433	102.74598916364266	103.0342191664441
325	344	254145	-157101.1413	1018777.3170250766	36.6716037222306	-101.3571781	297420.7370085113	4393965.720526846	3368.54272618474	3151.296719744683	3049.8329611148353	3049.8329611148353	101.02030349660753	101.36373498625478
326	344	254146	-156441.1413	1018777.3170250766	36.67161173004926	-101.3548351	298021.7951121314	4393691.4850054008	3363.691208687503	3149.44768078839	3050.06718626108	3049.61423423730657	97.983006452773067	98.03362417017315
327	344	254147	-155781.1413	1018777.3170250766	36.67162783711152	-101.352482	298222.8133355866	4393957.399715578	3361.486315515505	3147.6041826735336	3049.519360139142	3049.062190963316	98.08482253	98.5419917821754
328	344	254148	-155121.1413	1018777.3170250766	36.6716384890828	-101.350149	298423.8325336643	4393933.31465555	3358.93496944672	3145.76258362843	3048.742235739679	3048.3113130277978	97.45635746509743	97.45635746509743
329	344	254149	-154461.1413	1018777.3170250766	36.6716491543981	-101.3478059	298624.8511775713	4393949.22982332	3356.39026536797	3143.941910840525	3047.9230846510804	3047.653674677651	96.882241894455	96.882241894455
330	344	254150	-153801.1413	1018777.3170250766	36.6716596670604	-101.3454629	298825.8700809114	4393945.15230897	3353.843428	3142.12849685128	3047.371661025088	3047.148716569812	94.7668371503781	94.68032195661408
331	344	254151	-153141.1413	1018777.3170250766	36.6716702112233	-101.3431198	299026.88972869527	4393941.969826217	3350.77128158924	3140.3514641710357	3046.555043498153	3046.555043498153	93.7689567893194	93.6768697784279
332	344	254152	-152481.1413	1018777.3170250766	36.6716795089	-101.3407768	299227.905803511	4393936.97672331	3347.1745218747396	3138.5521852014993	3045.700452891494	3047.415306805192	92.85172241	91.91370849262974
333	344	254153	-151821.1413	1018777.3170250766	36.67169112891806	-101.3384837	299428.9267951044	4393928.88221217	3343.57776603241	3137.94898821317	3045.4247219793237	3046.901497144086	91.3207624119335	89.8934262773037
334	344	254154	-151161.1413	1018777.3170250766	36.6717015912297	-101.3360907	299629.9450334646	4393928.809	3339.981082454798	3135.064503	3044.555043960267	3046.449444	90.51415878	88.61505896
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360	344	254180	-134001.1413	1018777.3170250766	36.67195578	-101.275171	304856.35097240866	4393822.714583077	3203.425213924754	3100.0061	3028.722871232776	3027.904155876003	81.2232869	72.1019448035695
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367	344	254187	-129381.1413	1018777.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BREIElevKgr.ft	BREIElevBotKgr.ft	SatHtKgr.ft	SatHtBotKgr.ft
433	44	254269	-75261.14133	1018777.3170250766	36.67259446817862	-101.066637	322745.7863231441	4393460.72363361	3156.638118534424	2900.138737419115	2902.0758005420503	2904.0652040731214	98.06236897706466	96.0731646599351
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452	344	254272	-73201.14133	1018777.3170250766	36.6726075030662	-101.059604	323348.7767285745	4393455.55340713	3153.6305566151987	2995.847396765694	2901.275037196908	2903.575905706874	94.57287076861623	93.81271180618103
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456	344	254276	-70641.14133	1018777.3170250766	36.67262949	-101.0502339	324152.760700631	4393432.32937011	3135.81228592904	2899.487850329676	2898.14215366138	2898.643784381354	91.314569603	90.84466001142382
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458	344	254278	-69321.14133	1018777.3170250766	36.6726390234966	-101.045477	324554.7518373889	4393424.215235345	3130.82932047787	2896.08502999912	2896.7450574755284	2897.3871651258124	90.23740327554556	89.6785879470986
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466	344	254286	-64041.14133	1018777.3170250766	36.67267609611288	-101.0268027	326162.7096756237	4393391.78613285	3122.501386174926	2887.341386174926	2887.3489760611281	2887.15579574615	83.863856812921	84.15040557746466
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479	344	254299	-55461.14133	1018777.3170250766	36.6727286624121	-100.9963422	328775.6178909149	4393339.11472641	3110.6896116223243	2944.4834135773535	2879.884563205357	2879.656600082676	64.6990756	64.8281356089597
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483	344	254303	-52821.14133	1018777.3170250766	36.6727443098646	-100.9869837	329579.5840917388	4393321.915804458	3097.176223858068	2936.04684616145	2875.121063182241	2874.24974844653	60.9382143	61.84493767145206
484	344	254304	-52161.14133	1018777.3170250766	36.67274841100293	-100.984629	329780.57025227	4393317.03294554	3094.2310329454	2873.6822726242	2872.645436579224	2872.460231	60.2540251	62.0022092858
485	344	254305	-51501.14133	1018777.3170250766	36.67275259586472	-100.9822385	329978.555433036	4393314.87177528	3089.288426040585	2932.00266718511	2872.73072883571	2872.07378863571	59.54033434507374	60.6582874940016
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487	344	254307	-50181.14133	1018777.3170250766	36.67275759309366	-100.9775972	330383.5455484825	4393307.20568612	3082.00554734038	2927.99097534038	2869.58965647707	2867.072416263785	58.190717633015	60.91851717076509
488	344	254308	-49521.14133	1018777.3170250766	36.672761358246575	-100.9752541	330584.5380064676	4393302.67233391	3079.290580185923	2926.0170501805505	2868.1297710587382	2864.932440418173	57.88729172	61.0930960924327
489	344	254309	-48861.14133	1018777.3170250766	36.67276473213233	-100.972911	330785.5286976154	4393328.62347648	3075.75559842963	2924.049726599463	2866.523391630285	2862.9632710136444	57.45161349891776	61.4317016403912
490	344	254310	-48201.14133	1018777.3170250766	36.6727680075087	-100.9705878	330986.5184225055	4393324.76551374	3073.860611210689	2922.133371958065	2864.71567860827	2860.2148410340473	57.1470823587337	61.91853713819184
491	344	254311	-47541.14133	1018777.3170250766	36.67277134410293	-100.968263	331188.54904662	4393320.9394642	3071.9246231	2920.483243956904	2862.743421382794	2860.043243956904	56.77603235378	62.77603235378
492	344	254312	-46881.14133	1018777.3170250766	36.67277458218051	-100.965916	331388.489180473	4393318.47177528	3070.1433095511925	2918.3251195025	2859.61901305112	2854.0072140044624	56.70502911836123	64.31788575410104
493	344	254313	-46221.14133	1018777.317025										

ix	iy	x	Yr	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRIElevLogKrg	BRIElevBothKrg	SatThkLog.s	SatThkBoth
575	344	254395	7988.858673073351	101877.7310250766	36672885540348304	-700.7714019	348070.10075379646	4329251.353370178	2789.0744024680296	2789.0714210450464	2769.2390597902729	0
576	344	254396	8558.858673073351	101877.7310250766	36672884975952435	-100.7690586	348271.0325405959	4329247.256296227	2891.042378307064	2761.5013233245301	2766.8170210636394	2767.501684380271
577	344	254397	8518.858673073351	101877.7310250766	36672884975952435	-100.7690586	348271.0325405959	4329247.256296227	2891.042378307064	2761.5013233245301	2766.8170210636394	2767.501684380271
578	344	254398	9678.858673073351	101877.7310250766	366728831357771	-700.7643725	348673.03062591975	4329239.269364481	2887.718204260299	2748.106195	2762.390146726656	2767.501684380271
579	344	254399	10538.858673073351	101877.7310250766	366728830115882	-700.7620294	348874.0068578539	4329235.242446659	2882.38509	2746.9647971521113	2759.3002313934835	2759.4370780051023
580	344	254400	11198.858673073351	101877.7310250766	366728825692316	-100.7596862	349073.841034771	4329231.51287537	2873.38062945872447	2756.1132874138393	2756.267245920025	0
581	344	254401	11858.858673073351	101877.7310250766	366728818495811	-100.7573431	349275.9592	4329227.188357097	2864.376003070359	2744.798084088921	2752.5037229101426	2752.3483017857614
582	344	254402	12158.858673073351	101877.7310250766	366728806398521	-100.755	349476.830802231	4329223.16155331	2855.3711771253474	2743.71306714137	2748.27020386735	2749.752624
583	344	254403	12518.858673073351	101877.7310250766	366728797578673	-100.752656	349677.0306355484	4329219.1514667498	2846.41514667498	2742.798452616394	2746.27061314346	2746.423586670113
584	344	254404	13838.858673073351	101877.7310250766	366728785314955	-700.7503137	349878.9864399977	4329215.1083772	2841.524478538345	2743.823946341192	2744.183346231407	0
585	344	254405	14498.858673073351	101877.7310250766	3667287785344716	-100.7479706	350079.8618967664	4329211.08221999	2828.591566672309	2740.89561	2741.0232421461337	2741.532461263614
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590	344	254410	17798.858673073351	101877.7310250766	3667287231305235	-100.7362549	351084.1731750136	4329190.95270477	2778.976321063807	2728.4608670465442	2728.45087786993	8.21834017316465
591	344	254411	18458.858673073351	101877.7310250766	3667287107789447	-100.7339118	351285.1713455114	4329185.91626393	2773.9439192103064	2725.896818957221	2725.407722	2725.36367125782
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593	344	254413	19778.858673073351	101877.7310250766	366728684552700	-100.7292255	351687.660490171	4329178.966996716	2774.353727065582	2741.439087801065	2725.15313051592	12.9881842465163
594	344	254414	20438.858673073351	101877.7310250766	366728670676045	-100.7268824	351888.6346669278	4329174.85906444	2774.6779809485677	2733.5751706474375	2721.593146392926	11.9091450081446
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597	344	254417	22118.858673073351	101877.7310250766	3667286289422411	-100.7199323	352491.04202974581	4329162.78861914	2768.0488969733991	2732.7914981210419	2721.907304673752	2721.907304673752
598	344	254418	23078.858673073351	101877.7310250766	3667286110525556	-100.7175099	352692.529914471	4329158.7551793	2761.5263532704863	2731.060489845655	2721.299494	2721.97196673485
599	344	254419	23738.858673073351	101877.7310250766	3667285950093765	-100.7151668	352893.0337128213	4329154.7022166	2761.0963710257837	2729.07116403136	2720.673154712669	2720.910790732054
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601	344	254421	25058.858673073351	101877.7310250766	3667285615406735	-100.7104805	353295.4486904414	4329146.69775645	2761.84247223948	2726.964407366654	2721.10513822241	2721.10513822241
602	344	254422	25718.858673073351	101877.7310250766	366728544121271	-100.7081374	353496.4422931495	4329142.67563515	2761.8970243227314	2725.8509212129734	2721.362430249966	2721.399956701625
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604	344	254424	27038.858673073351	101877.7310250766	3667285104300584	-100.7034512	353898.36535488	4329134.50305111	2762.05194526718	2723.91510498485	2722.633772140354	2722.633772140354
605	344	254425	27698.858673073351	101877.7310250766	36672848917403204	-100.701108	354099.341462533	4329130.6106955	2761.970190178765	2722.457967342044	2723.56903232037	2723.56903232037
606	344	254426	28358.858673073351	101877.7310250766	366728469461816	-100.6987469	354300.31613008	4329126.58939017	2761.415006917371	2721.32546007379	2724.75502083073	2724.692997
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610	344	254430	30938.858673073351	101877.7310250766	366728389232411	-100.6893232	355104.202974581	4329110.581910452	2761.55104539472	2723.25814440969	2725.80730473752	2725.80730473752
611	344	254431	31658.858673073351	101877.7310250766	3667283673047913	-100.6870092	355305.1736684054	4329106.48673644	2761.8537965686	2723.9152361684	2726.74876699774	2726.74876699774
612	344	254432	32318.858673073351	101877.7310250766	36672834509448585	-100.6847061	355506.145500425	4329102.4698048	2761.855428419	2723.0932653291165	2734.745034563979	0
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614	344	254434	33638.858673073351	101877.7310250766	366728299558481	-100.6800198	355908.08848547	4329094.47788485	2761.827313461207	2721.500125737214	2726.6532859485	2727.083916593493
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616	344	254436	34958.858673073351	101877.7310250766	3667282528	-100.6753336	356310.036424954	4329087.38972939	2761.8454117159975	2720.853935143233	2721.729024339094	2721.729024339094
617	344	254437	35618.858673073351	101877.7310250766	3667282301382844	-100.6730092	356511.04202974581	4329084.79812316	2761.87917812	2721.919437515283	2721.919437515283	2721.919437515283
618	344	254438	36278.858673073351	101877.7310250766	3667282034546564	-100.6706743	356712.738450256	4329080.375613408	2761.906049776834	2721.963257770396	2721.9990733719	2721.9990733719
619	344	254439	36938.858673073351	101877.7310250766	3667281788374134	-100.6683402	356912.9430482085	4329077.34366436	2761.958958849782	2721.973366883203	2721.503654095744	2721.569723319487
620	344	254440	37598.858673073351	101877.7310250766	36672815272571415	-100.6659611	357113.913574901	4329073.31647806	2761.95245750556	2721.302392737944	2721.734718146534	0
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623	344	254443	39578.858673073351	101877.7310250766	3667280786745407	-100.6588817	357716.82432715634	4329058.263861869	2761.9698917136764	2720.963625810402	2721.7168682572323	0
624	344	254444	40238.858673073351	101877.7310250766	366728056212996	-100.6565886	357917.7943110039	4329054.58565508	2761.945408	2720.945095178539	2721.819582579498	0
625	344	254445	40998.858673073351	101877.7310250766	366728038770044	-100.6542544	358181.7815430765	4329050.22967446	2761.854665396227	2720.961489828875	2720.7022546	2720.7022546
626	344	254446	41558.858673073351	101877.7310250766	366727990							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	W.Lt	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatThKLog.ft	SatThBoth.ft
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702	344	254522	91178.858677037335	10.87773170250766	36.6745167675478	-100.4738259	373933.0487566317	4329041.615002083	2698.632322179643	257.164824510633626	2574.002334801566	25.7425238376754	41.3610736205996
703	344	254523	92338.858677037335	10.87773170250766	36.674353440948	-100.4714824	373784.609693263	4329047.615894428	2698.461684974637	257.1646841935527	2572.82496323967	25.7181368632	41.3674632070988
704	344	254524	93038.858677037335	10.87773170250766	36.67423904788615	-100.4691293	373984.9683047632	4329033.617031413	2696.78892545098163	257.16330050949183	2571.689264862913	25.7176178273553	41.3705700826698
705	344	254525	93698.858677037335	10.87773170250766	36.6742600903966	-100.4667962	374195.9278986475	4329029.618	2694.117962743827	257.16270519324328	2570.709283810425	25.707627138841504	41.36123066292704
706	344	254526	94358.858677037335	10.87773170250766	36.67426151752575	-100.4644531	374396.8874	4329025.61979649	2691.1018248381305	2569.382720676395	2569.26134704360795	25.71430276149076	41.44338060525276
707	344	254527	95018.858677037335	10.87773170250766	36.67421965733436	-100.46211	374597.8467273108	4329021.62789007	2686.03698326424	2569.57493830236436	2567.0937930258844	25.686339830258844	42.6375906255674
708	344	254528	95678.858677037335	10.87773170250766	36.67421311764936	-100.4597669	374798.805625047	4329017.62389061	2677.890622774259	2567.34776548468	2563.2320981928166	25.61156673018222	45.5085488725674
709	344	254529	96338.858677037335	10.87773170250766	36.67420655269783	-100.4574238	374999.7650785439	4329013.62696362	2668.742653201783	2567.1268135244602	2557.72340172061126	25.571268135244602	48.1638957860965
710	344	254530	96998.858677037335	10.87773170250766	36.674209901247916	-100.4550807	375200.7240756315	4329009.62891767	2661.59198725917	2555.06198725917	2553.06673589894	25.52241635110817	53.4974521430339
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712	344	254532	98318.858677037335	10.87773170250766	36.6732965024204	-100.4503495	375602.6417138084	4329004.63264543	2656.0004126927156	2603.5221487964434	2542.928268052028	25.42160943424795	60.5938071742069
713	344	254533	98978.858677037335	10.87773170250766	36.67329740223434	-100.4480514	375803.6003552988	4329037.637442183	2649.002711278493	2602.3327347	2537.723608	25.40698613848036	65.98216173
714	344	254534	99638.858677037335	10.87773170250766	36.67327298938124	-100.4457083	376004.558876645	4329033.604874312	2641.00910746289	2601.147631252799	2532.6789414258487	25.42827563744678	68.4686892695014
715	344	254535	100298.858677037335	10.87773170250766	36.6732660738614	-100.4435852	376205.517894123	4329039.344479922	2634.85116154123	2599.961391246178	2528.3337151638174	25.427690686144245	71.27052510475369
716	344	254536	100958.858677037335	10.87773170250766	36.67325917504505	-100.4410221	376406.475617482	4329035.384338016	2626.567402489055	2598.7715013277652	2524.4390000850203	25.4257289196211243	74.02498171
717	344	254537	101618.858677037335	10.87773170250766	36.6732522347873	-100.438679	376607.4388419772	4329031.6524559	2618.62434419967	2597.547812810043	2520.804356782638	25.42007295619868	76.73124544756502
718	344	254538	102298.858677037335	10.87773170250766	36.6732453112678	-100.4363359	376808.3919840984	4329027.65674058	2610.76474385918	2596.368369443762	2517.255231265079	25.41653091732235	79.11313568
719	344	254539	102938.858677037335	10.87773170250766	36.67323819308175	-100.4339828	377009.3486307457	4329023.616	2608.888903	2595.149464668142	2513.505197626956	25.412379056401781	82.8415502776047
720	344	254540	103598.858677037335	10.87773170250766	36.673231110622984	-100.4316497	377210.3076	4329029.666052864	2603.28318043162	2593.91570712297	2509.580446	25.4083504662544	84.3353045967304
721	344	254541	104258.858677037335	10.87773170250766	36.67323096821205	-100.4293068	377411.2653519609	4329026.610502	2602.666267880148	2592.6653630102	2505.432602829175	25.40439955766084	87.233004471707
722	344	254542	104818.858677037335	10.87773170250766	36.67321680505728	-100.4269636	3776122.59727497	4329021.674267186	2591.36707704344	2591.463916693165	2505.545261338	25.40359310126891	90.5178321105313
723	344	254543	105378.858677037335	10.87773170250766	36.67320658036781	-100.424698	377813.180274662	4329017.190274662	2589.6802891918	2590.5802891918	2504.5802891918	25.402603402544925	93.6765407966495
724	344	254544	105938.858677037335	10.87773170250766	36.6732023546104	-100.4227274	378014.137670233	4329023.67406314	2587.62690034768	2588.00061090628	2493.81115893134	25.40290878258901	94.9897454
725	344	254545	106688.858677037335	10.87773170250766	36.672290517198394	-100.4199433	378215.0949893177	4329018.679331419	2587.466846787434	2586.879415683707	2490.60172744349	25.4006201446631	97.40669404313485
726	344	254546	107558.858677037335	10.87773170250766	36.6722866713835	-100.4175912	378416.0521	4329015.694477037	2586.123822327337	2586.106486665734	2488.804260002993	25.407869192038546	97.3021987358043
727	344	254547	108218.858677037335	10.87773170250766	36.67228026296765	-100.4152481	378617.090126533	4329011.79461176658	2580.179461176658	2488.4761810592913	2487.673624982913	25.402328012	99.2426067836652
728	344	254548	108878.858677037335	10.87773170250766	36.67227817945206	-100.412905	378817.9660180052	4329017.12398372	2611.0167470702537	2584.731249352032	2495.995381548396	25.402687015287855	93.3104401604945
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731	344	254551	110858.858677037335	10.87773170250766	36.6722502112369	-100.4058757	379420.830023684	4329025.73329498	2610.73295268028	2578.9117407884346	2525.6732565217385	25.4061042882077	97.23384462966015
732	344	254552	111518.858677037335	10.87773170250766	36.6722458521006	-100.4035326	379621.792434177	4329021.74102748	2577.3990628262515	2579.12136943252	2526.81741687638	25.4027698199968	102.1307900578757
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735	344	254555	113498.858677037335	10.87773170250766	36.67221943536156	-100.3965304	380224.6614072817	4329029.76896787	2574.471700077848	2572.727891303448	2518.48033553473	25.401728913052	54.247565740920215
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737	344	254557	114818.858677037335	10.87773170250766	36.6722037759716	-100.3918172	380626.528872515	4329031.76189194	2568.070547769787	2568.070547769787	2509.80248338027	25.401728913052	59.26821440951735
738	344	254558	115478.858677037335	10.87773170250766	36.67219587811544	-100.3894741	380827.526375023	4329027.79073105	2567.857381615376	2567.857381615376	2509.725140277137	25.401728913052	62.56939315281446
739	344	254559	116138.858677037335	10.87773170250766	36.6721859316738	-100.387131	381028.482476776	4329033.79886073	2568.127674809423	2568.127674809423	2509.789996761883	25.401728913052	65.98216173
740	344	254560	116798.858677037335	10.87773170250766	36.67217949653015	-100.3847879	381229.4397990818	4329028.890712945	2556.6334997071917	2556.6334997071917	2510.304020608152	25.401728913052	68.4686892695014
1	345	254561	-37094.1413	10.94337170250766	36.6675654	-102.1163056	32682.93006372305	379505.8025	3595.989501891365	3587.8878096420817	3595.989501891365	35.8562492186843	73.1938
2	345	254562	-37028.1413	10.94337170250766	36.6675762080446	-102.11369	32684.0264748217	3795029.76896787	3574.471700077848	3572.727891303448	3570.727891303448	35.8562492186843	74.02498171
3	345	254563	-36972.1413	10.94337170250766	36.66758319294725	-102.110918	32686.527861165	3795033.182174785	3568.377918236242	3568.377918236242	3568.377918236242	35.8562492186843	75.02498171
4	345	254564	-36896.1413	10.94337170250766	36.6675971959084	-102.109274	32688.2130940808	3795040.342485828	3563.23400482106	3563.23400482106	3563.23400482106	35.8562492186843	76.02498171
5	345	254565	-36830.1413	10.94337170250766	36.66758301135694	-102.1069347	32688.30687732	3795046.18222142	3564.05812221967	3567.273915623683	3499.461139769806	3499.15345680167	67.8127587
6	345	254566	-36764.1413	10.94337170250766	36.667567904	-102.104592	32688.40029734187	3795042.02190068	3565.08356323511	3499.278558329942	3499.0643634503	3499.0643634503	68.4686892695014
7	345	254567	-36698.1413	10.94337170250766	36.6677042866322	-102.1022492	32688.9453030791	3795047.87629237	3563.76297839776	3562.912636793174	3498.874023871843	3498.874023871843	69.4686892695014
8													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtLogKgr.ft	SatHtBoth.ft
87	345	254647	-314181.1413	19149337.310250766	36.96957288117075	-101.9148252	249976.1138281161	33951.48534172066	3579.1403834897365	3422.0514904273827	3381.993201479494	3381.782958249598	44.23252372384854	44.23252372384854
88	345	254648	-313521.1413	19149337.310250766	36.9695693063673	-101.9124824	250177.1861018626	33951.4811693	3579.365170328916	3425.56227782764	3385.8407504962495	3385.79166986114	36.63476733014636	36.63476733014636
89	345	254649	-312861.1413	19149337.310250766	36.9696158863475	-101.9101395	250378.25573468865	33951.4735573587	3582.581150271927	3424.5636808814813	3388.253662987816	3388.253662987816	36.75281758366914	36.75281758366914
90	345	254650	-312021.1413	19149337.310250766	36.96963732104174	-101.9077967	250579.3302041708	33951.331412123973	3579.816534191125	3424.563680882085	3389.373254143113	3389.498679385754	35.9190353093264	35.9190353093264
91	345	254651	-311541.1413	19149337.310250766	36.969668710480725	-101.9054538	250780.4021804086	33951.2921272	3575.5618285500364	3424.191602012292	3389.41317143469007	3389.6249580296965	34.7844856860147	34.7844856860147
92	345	254652	-310881.1413	19149337.310250766	36.9696805466058	-101.9031109	250981.473731731512	33951.2131922611	3566.827033866198	3424.191602012292	3387.836353897072	3388.229854981664	36.02249501162942	36.02249501162942
93	345	254653	-310221.1413	19149337.310250766	36.96970135358132	-101.9007881	251182.54500092656	33951.1092927138	3558.0922391872027	3423.2656215	3384.856218	3385.366232764243	38.71219714653899	38.71219714653899
94	345	254654	-309661.1413	19149337.310250766	36.96972261	-101.8984252	251383.6160422496	33951.0295217437	3549.374445057867	3423.3025619280413	3381.22038004911	3381.8635014244724	40.08219392313049	41.4390600356918
95	345	254655	-308981.1413	19149337.310250766	36.96974381584525	-101.8969623	251584.58683789327	33951.1213366511	3559.268951652354	3423.357744897202	3377.65001867871	3378.6961523819546	45.36272251524733	45.36272251524733
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100	345	254660	-305601.1413	19149337.310250766	36.96984918767414	-101.88438	252590.0373111288	33950.90202	3594.05886859065	3421.323144780071	3389.194417906349	3372.002672199462	49.3204725806002	49.3204725806002
101	345	254661	-304941.1413	19149337.310250766	36.96987011561384	-101.8820251	252791.10644006500	33950.869786238874	3598.3872807851133	3421.701462351555	3388.419099130629	3372.553524837666	52.2923651792605	49.3574199398889
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103	345	254663	-303621.1413	19149337.310250766	36.9699118532726	-101.8773393	253193.244832726	33950.7904648214	3608.1428635486373	3419.217170525884	3376.038678656066	3374.5337565119776	53.188139761959	51.68341454070787
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105	345	254665	-302301.1413	19149337.310250766	36.96995341040318	-101.8726536	253595.3813272574	33950.7138080415	3621.189037974246	3417.501978912553	3361.9812400811975	3362.9648448	55.52073683135541	54.51752851555284
106	345	254666	-301641.1413	19149337.310250766	36.96997412095152	-101.8703107	253796.4494340708	33950.6719632844	3627.7126476432074	3416.604766432074	3359.77658165597	3358.8280961071812	56.85200826691024	55.6073536069521
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111	345	254671	-298341.1413	19149337.310250766	36.97007639479692	-101.8585962	254801.7863233377	33950.4651004393	3638.21343132038	3411.026886386983	3346.963502050569	3346.963502050569	65.0518433917373	69.6624729995192
112	345	254672	-297681.1413	19149337.310250766	36.97009743786474	-101.8562533	255002.8529745137	33950.4213113619	3650.5584483028687	3410.217798502315	3343.942433633492	3349.125521	67.2303216882055	62.0472717244755
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115	345	254675	-295701.1413	19149337.310250766	36.97015847919515	-101.8492245	255606.0514759587	33950.29578618968	3598.3524381786853	3408.54847864584	3337.036579781706	3344.634296611331	75.75874218967	70.984943791364
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117	345	254677	-294381.1413	19149337.310250766	36.97019894483434	-101.8445389	256008.1827023356	33950.2017095144	3581.93182473476	3406.8681852684767	3332.698240547769	3332.719271510589	81.1699472070792	81.15520811051282
118	345	254678	-293721.1413	19149337.310250766	36.97021216	-101.842196	256209.2490269008	33950.157154	3573.7360341408786	3406.049070379309	3320.48913105829	3320.48913105829	85.5993819487597	85.5993819487597
119	345	254679	-293061.1413	19149337.310250766	36.97023923944284	-101.8398531	256410.3128654473	33950.1340036135	3568.240227325654	3405.263349876314	3318.885747953022	3317.693396359422	87.700730332516	87.55013863168915
120	345	254680	-292401.1413	19149337.310250766	36.97025933151775	-101.8375102	256611.3757815837	33950.104643163	3564.49999205837	3404.45163843123	3321.1513638337765	3321.1513638337765	88.789347393745	88.789347393745
121	345	254681	-291741.1413	19149337.310250766	36.97027934800058	-101.8351673	256812.4426652644	33950.071381259	3562.657907	3403.67676372398	3320.020176403204	3320.020176403204	77.65688716919415	79.0039620535345
122	345	254682	-291081.1413	19149337.310250766	36.9702993438986	-101.832845	257013.506296324	33950.04007517	3560.243081411964	3402.0230981411964	3317.781025117321	3317.781025117321	79.181213255454	79.181213255454
123	345	254683	-290421.1413	19149337.310250766	36.9703197551682	-101.8304814	257214.57003713175	33950.0078362424	3557.878263953207	3400.921068966777	3316.987795363134	3335.98481790473	80.265113161642	86.208767091946
124	345	254684	-289761.1413	19149337.310250766	36.9703391738461	-101.8281385	257415.6160775957	3394.99275729586	3556.69104228701	3401.489924935163	3314.256193254733	3314.256193254733	80.2297992040305	81.30266424738025
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126	345	254686	-288441.1413	19149337.310250766	36.97037882378766	-101.8234527	257817.7609	3394.94510918389	3553.915487411012	3400.3149624744	3314.0851098273476	3314.0851098273476	83.344295911903	83.344295911903
127	345	254687	-287781.1413	19149337.310250766	36.97039859	-101.821098	258018.8239136568	3394.98037073468	3553.812614	3399.49403205391	3314.0851098273476	3314.0851098273476	85.5993819487597	85.5993819487597
128	345	254688	-287121.1413	19149337.310250766	36.9704183225908	-101.8187619	258218.9877179088	3394.97247460991	3553.96452632398	3398.874518251083	3314.0851098273476	3314.0851098273476	87.700730332516	87.700730332516
129	345	254689	-286461.1413	19149337.310250766	36.970438323986	-101.8164285	258419.9877179088	3394.964718614278	3553.96452632398	3398.874518251083	3314.0851098273476	3314.0851098273476	89.805730393427	89.805730393427
130	345	254690	-285801.1413	19149337.310250766	36.97045759120954	-101.8140681	258622.0160965472	3394.95784394094	3553.96452632398	3398.874518251083	3314.0851098273476	3314.0851098273476	91.781213255454	91.7

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThLogKrg.ft	SatThBoth.ft	
23	345	25473	-23201.1413	1914937.3170250766	36.6719286314866	-101.619615	275309.3740047014	349426.2509881304	3498.196653920919	317.2739317242123	3198.698937	312.005485143317	118.58967540757294	107.72246613
214	345	25474	-23036.1413	1914937.3170250766	36.67194445376045	-101.617272	275510.410708023536	349421.79824305	3495.174590788945	3316.145485771954	3197.5692237674373	312.1532572695387	118.57566204480316	105.922504480316
215	345	25475	-22970.1413	1914937.3170250766	36.6719286314866	-101.614828	275711.4589821834	349491.1745873736	3492.200427369833	3315.008148120356	3198.336849842592	312.005485143317	118.58967540757294	105.922504480316
216	345	25476	-22904.1413	1914937.3170250766	36.67197596249141	-101.612859	275912.5024833974	349458.355626221	3490.58433654521	3316.145485771954	3195.1684559732026	312.005485143317	118.58967540757294	105.922504480316
217	345	25477	-22883.1413	1914937.3170250766	36.67199164888856	-101.6102429	276113.5448540479	349460.944719608	3486.848547529677	3312.720909371856	3192.024898212568	312.005485143317	118.58967540757294	105.922504480316
218	345	25478	-22771.1413	1914937.3170250766	36.672002292200	-101.607899	276314.5870044969	349455.354008846	3487.145747784623	3311.5759026374984	3192.840069582074	312.005485143317	118.58967540757294	105.922504480316
219	345	25479	-22706.1413	1914937.3170250766	36.67202288619196	-101.6055569	276515.6283947834	349461.233289941	3488.0597695327	3310.42792084366	3191.6811990686356	312.005485143317	118.58967540757294	105.922504480316
220	345	25480	-22640.1413	1914937.3170250766	36.67203836898927	-101.6032139	276716.67064520787	349459.132328882	3489.221143432915	3309.267024780295	3190.5549651047486	312.005485143317	118.58967540757294	105.922504480316
221	345	25481	-22574.1413	1914937.3170250766	36.67205394234083	-101.6008709	276917.7121358317	349453.026873983	3489.458368349028	3308.103115540553	3189.522202691029	312.005485143317	118.58967540757294	105.922504480316
222	345	25482	-22508.1413	1914937.3170250766	36.67206940251969	-101.5985278	277118.753071772	349458.913484254	3502.469824236903	3305.933715789978	3188.211473532374	312.005485143317	118.58967540757294	105.922504480316
223	345	25483	-22442.1413	1914937.3170250766	36.67208481743475	-101.596148	277319.794451459	349460.83032688	3506.76710095007	3303.957114855396	3187.706142428951	3195.5641388546158	118.58967540757294	105.922504480316
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226	345	25486	-22241.1413	1914937.3170250766	36.67213079057204	-101.5891557	277922.916301492	3504.674668817	3504.672090591458	3302.208085936643	3184.665031319381	3191.8032895423264	118.58967540757294	105.922504480316
227	345	25487	-22181.1413	1914937.3170250766	36.67214602445704	-101.5868127	278123.9564743576	3504.56838044453	3504.572090591458	3301.071205078495	3183.839690904431	3189.4473502372564	118.58967540757294	105.922504480316
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243	345	25503	-21122.1413	1914937.3170250766	36.67238361003038	-101.5493242	281340.569768397	3495.05261671537	3495.797938486152	3283.2118978731524	3172.910240498527	3167.4249138246	118.58967540757294	105.922504480316
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254	345	25514	-20396.1413	1914937.3170250766	36.67254022829964	-101.5235507	283551.959635025	3494.527732336	3464.806387743243	3266.109435058078	3176.7826736163	3168.07186453867	118.58967540757294	105.922504480316
255	345	25515	-20330.1413	1914937.3170250766	36.672554318329867	-101.5212049	283752.9126019847	3494.39436383901	3464.806387743243	3265.109435058078	3176.7826736163	3168.07186453867	118.58967540757294	105.922504480316
256	345	25516	-20264.1413	1914937.3170250766	36.672568811648474	-101.518846	283956.072016103	3494.7680383901	3464.806387743243	3264.109435058078	3176.7826736163	3168.07186453867	118.58967540757294	105.92250

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREVELogsKtm.f	BREVEBothKtm.f	SatHtLogs.f	SatHtBoth.f
339	345	254899	-147861.1413	1914937.3170250766	36.67356657049866	-101.3243885	300639.12384671345	334109.667	3321.6749381679238	3125.695937176835	3041.2748784654077	3044.57686436579	41.024105871142712	81.1190728302585
340	345	254900	-147201.1413	1914937.3170250766	36.67357969072234	-101.3235454	300840.1406672548	3314.050435075	3318.066951	3124.209183456963	3040.5244834365906	3043.5467172306826	83.684996976418	80.562411715
341	345	254901	-146861.1413	1914937.3170250766	36.67359726972034	-101.3197922	30161.1572993557	3343.45896446657	3343.45896446657	3122.77107265784	3038.8161133581865	3043.389726981445	83.354961989734	79.3817603376691
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344	345	254904	-144561.1413	1914937.3170250766	36.67361592	-101.3126729	301644.200020607	334099.25691492	3310.126325785916	3120.7371023395	3036.79385415589	3037.358495961264	81.93686170084582	81.35236023780603
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357	345	254917	-135981.1413	1914937.3170250766	36.67374098440808	-101.2822123	304257.3968582585	334036.217652903	3225.029819274927	3102.971813521253	3024.587478960346	3028.45511808912	77.3839656251833	74.51649482342802
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369	345	254929	-128061.1413	1914937.3170250766	36.67384965563294	-101.2540497	306669.5445000512	333987.29203526	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
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371	345	254931	-126741.1413	1914937.3170250766	36.67386713209696	-101.2494084	307071.5664351833	333979.14066519	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
372	345	254932	-126081.1413	1914937.3170250766	36.673876970242811	-101.2470653	307272.5717198181	333975.120269763	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
373	345	254933	-125421.1413	1914937.3170250766	36.67388642746504	-101.2447222	307473.5876161056	333970.992100038	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
374	345	254934	-124761.1413	1914937.3170250766	36.67389610722925	-101.242379	307674.680421775	333967.14162291	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
375	345	254935	-124101.1413	1914937.3170250766	36.67390154122275	-101.2400359	307875.6804438174	333962.843056582	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
376	345	254936	-123441.1413	1914937.3170250766	36.67391003108434	-101.2376927	308076.618076872	333958.76888146	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
377	345	254937	-122781.1413	1914937.3170250766	36.67391847507099	-101.2353496	308277.6278218438	333954.694369393	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
378	345	254938	-122121.1413	1914937.3170250766	36.67392687	-101.2330065	308468.6374	333950.621223096	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
379	345	254939	-121461.1413	1914937.3170250766	36.67393622726654	-101.230663	308679.6457003267	333946.5457739785	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
380	345	254940	-120801.1413	1914937.3170250766	36.67394353545526	-101.228302	308880.659336855	333942.474487055	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
381	345	254941	-120141.1413	1914937.3170250766	36.673952178354614	-101.225918	309087.176003157	333938.136814699	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
382	345	254942	-119481.1413	1914937.3170250766	36.67396001640424	-101.2236339	309282.673741057	333934.32687301	3200.111171561261	3089.1071561261	3000.50911415612	3000.50911415612	74.0153418025364	73.9065877267028
383	345	254943	-118821.1413	1914937.3170250766	36.67396819	-101.2212908	309483.682362176	333930.261122645</						

ix	iy	x	Y.f	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SathtkLog.f	SathtkBoth.f
465	345	250205	-64001.14133	1914937.3170250766	36.674448278132795	-10.0291516	325965.7754530903	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
466	345	250206	-64001.14133	1914937.3170250766	36.67448695326181	-10.0268084	326166.7693	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
467	345	250207	-63991.14133	1914937.3170250766	36.67448695326181	-10.0268084	326166.7693	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
468	345	250208	-64271.14133	1914937.3170250766	36.674487377773394	-10.0221121	326568.7656597604	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
469	345	250209	-62601.14133	1914937.3170250766	36.6745061167143	-10.0197789	326769.7490653163	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
470	345	250210	-61401.14133	1914937.3170250766	36.67450599119246	-10.0174357	326970.741705431	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
471	345	250211	-60001.14133	1914937.3170250766	36.6745100999907	-10.0150925	32711.7362085466	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
472	345	250202	-60081.14133	1914937.3170250766	36.6745143353716	-10.0127484	32732.7292335716	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
473	345	250203	-59421.14133	1914937.3170250766	36.67451633180677	-10.0104063	32837.7634663967	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
474	345	250204	-58761.14133	1914937.3170250766	36.67452238407915	-10.008063	32774.7145181076	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
475	345	250205	-58001.14133	1914937.3170250766	36.67452363025405	-10.0057198	32795.70663031	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
476	345	250206	-57441.14133	1914937.3170250766	36.67453036	-10.0033766	328176.698836704	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
477	345	250207	-56781.14133	1914937.3170250766	36.6745342220032	-10.0010335	32837.7634663967	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
478	345	250208	-56121.14133	1914937.3170250766	36.67453814	-10.0098903	328578.67836656	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
479	345	250209	-55481.14133	1914937.3170250766	36.67454197765974	-10.0066347	32879.7674484104	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
480	345	250210	-54801.14133	1914937.3170250766	36.67454575176016	-10.0040403	328960.660180459	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
481	345	250211	-54141.14133	1914937.3170250766	36.6745494829752	-10.0016607	329181.6573859035	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
482	345	250202	-53481.14133	1914937.3170250766	36.6745519175047	-10.0093176	329382.648587537	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
483	345	250203	-52821.14133	1914937.3170250766	36.6745568247587	-10.0069744	329583.636621347	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
484	345	250204	-52161.14133	1914937.3170250766	36.6745603450414	-10.0046312	329784.6304949464	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
485	345	250205	-51501.14133	1914937.3170250766	36.6745639007965	-10.0022828	329985.621000467	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
486	345	250206	-50841.14133	1914937.3170250766	36.67456749897604	-10.0099448	330186.61740944	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
487	345	250207	-49281.14133	1914937.3170250766	36.67457119373594	-10.0071473	330300.4629152324	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
488	345	250208	-48521.14133	1914937.3170250766	36.67457373628246	-10.0057525	330588.5923275146	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
489	345	250209	-47881.14133	1914937.3170250766	36.6745774760117	-10.0027915	330789.5823740056	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
490	345	250210	-47201.14133	1914937.3170250766	36.67458016730546	-10.0070571	330990.57256381	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
491	345	250211	-47541.14133	1914937.3170250766	36.674584359741196	-10.0068289	331191.5619746041	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
492	345	250202	-46881.14133	1914937.3170250766	36.67458797908025	-10.0065885	331392.5515290733	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
493	345	250203	-46281.14133	1914937.3170250766	36.67459079080673	-10.0063496	331593.5409189885	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
494	345	250204	-45561.14133	1914937.3170250766	36.67459393435754	-10.0061194	331794.5301472807	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
495	345	250205	-44901.14133	1914937.3170250766	36.67459704077975	-10.0058562	331995.5192114763	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
496	345	250206	-44241.14133	1914937.3170250766	36.6746001	-10.0056513	332196.5801126666	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
497	345	250207	-43581.14133	1914937.3170250766	36.67460319714205	-10.0054169	332397.4968510596	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
498	345	250208	-42921.14133	1914937.3170250766	36.6746070626946	-10.0051827	332598.45426632	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
499	345	250209	-42281.14133	1914937.3170250766	36.67460989755604	-10.0049483	332799.4750428276	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
500	345	250210	-41581.14133	1914937.3170250766	36.67461119373594	-10.0047143	333000.4629152324	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
501	345	250211	-40941.14133	1914937.3170250766	36.67461470432267	-10.0044791	333201.4580187007	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
502	345	250202	-40281.14133	1914937.3170250766	36.67461748903025	-10.0042453	333402.4832082054	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
503	345	250203	-39621.14133	1914937.3170250766	36.67462023001711	-10.0040107	333603.4267414814	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
504	345	250204	-38961.14133	1914937.3170250766	36.67462232	-10.0037765	333804.4135787385	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
505	345	250205	-38031.14133	1914937.3170250766	36.67462574638485	-10.0035424	334005.412021802	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
506	345	250206	-37641.14133	1914937.3170250766	36.674628179040616	-10.0033081	334206.3805406793	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
507	345	250207	-36961.14133	1914937.3170250766	36.67463130250415	-10.0030789	334407.3521061511	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
508	345	250208	-36321.14133	1914937.3170250766	36.674633204615	-10.0028348	334608.3623876712	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
509	345	250209	-35661.14133	1914937.3170250766	36.67463572064586	-10.0026016	334809.3491885846	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
510	345	250210	-35001.14133	1914937.3170250766	36.67463814397684	-10.0023784	335010.33582937694	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
511	345	250211	-34341.14133	1914937.3170250766	36.674640522039084	-10.0021363	335211.302120567	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
512	345	250202	-33681.14133	1914937.3170250766	36.67464258463205	-10.0019021	335412.3021	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
513	345	250203	-33021.14133	1914937.3170250766	36.67464514257344	-10.0016789	335613.2947931019	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
514	345	250204	-32361.14133	1914937.3170250766	36.674647473	-10.0014357	335814.280754807	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
515	345	250205	-31701.14133	1914937.3170250766	36.67464981680025	-10.00119925	336015.26663781	3393597.08998908	3118.1790140254616	2792.639375291369	2889.717854105299	2889.67592195627336
516	345	250206	-31041.1413									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevKthKrg.ft	SatHtKthKrg.ft	SatHtBoth.ft
593	345	255151	18458.8586730335	19437.310250766	36.74684060110134	-100.7339102	351289.741105681	4393088.126089606	2783.34245356173	2734.2928085261637	2723.317351380935	2723.196342233212	10.97545445228479	11.09646535929175
592	345	255152	18119.8586730335	19437.310250766	36.7468260733845	-100.731967	351480.7153178825	4393078.17326698	2778.3560652991	2733.510571	2719.951035	2719.331287800874	14.174441879792539	14.174441879792539
591	345	255153	18738.8586730335	19437.310250766	36.7468147341798	-100.729239	351681.6899282545	4393076.1965899	2776.448879698699	2732.7383041846	2717.223006193377	2717.249186894995	15.03241652541183	14.987121184932635
594	345	255154	20438.8586730335	19437.310250766	36.7468000416872	-100.728166	351892.6317281212	4393076.089	2768.50231309626	2717.0928195114657	2717.3912591490527	14.86711543000224	14.53906476044211	14.53906476044211
596	345	255155	21098.8586730335	19437.310250766	36.74677866965064	-100.7245374	352093.6370963504	4393076.02255826	2770.4244473977196	2731.16485	2717.263352711891	2718.176681536261	13.9014973011917	12.98816625674934
596	345	255156	21758.8586730335	19437.310250766	36.7467719986375	-100.7221942	352294.6197374903	4393080.041578717	2779.2154426307	2730.325076107375	2719.180854925339	2720.945612398629	11.14422142398629	9.330507441228747
597	345	255157	22418.8586730335	19437.310250766	36.74677568480819	-100.719851	352495.5842364264	4393064.018163587	2788.005841284554	2729.41165732323855	2717.5700345291357	2720.945612398629	11.8416273942826	10.4411246167192
598	345	255158	23078.8586730335	19437.310250766	36.7467412444364	-100.717978	352696.5575933681	4393059.94947718	2796.796373973823	2728.415727	2718.181687369708	2717.756344181833	13.23403994422622	12.659382916346658
599	345	255159	23788.8586730335	19437.310250766	36.7467195189307	-100.7151647	352897.5308082545	4393055.972018503	2806.150147276815	2732.748879698699	2715.414026	2720.945612398629	15.03241652541183	14.987121184932635
600	345	255160	24398.8586730335	19437.310250766	36.7457708682832	-100.7126215	353098.503820912	4393051.94290351	2807.066273308258	2726.2503694382826	2716.9289271115555	2716.166553022744	10.334224520006296	10.092814060006296
601	345	255161	25058.8586730335	19437.310250766	36.7456917897506	-100.7104783	353299.47681426384	4393047.926700263	2810.983192322263	2725.1406498091756	2716.931025214053	2717.09128756413	8.20944595130208	8.0312625276655
602	345	255162	25718.8586730335	19437.310250766	36.7467430497905	-100.7081351	353500.4405603667	4393043.945018685	2814.897155345137	2724.00897817717	2717.927819527389	2718.077636202854	6.95521290439438	5.85521290439438
603	345	255163	26378.8586730335	19437.310250766	36.7467586432952	-100.7057919	353701.4222553653	4393038.88247935	2819.7867106334017	2722.8067106334017	2718.9019102285596	2718.9019102285596	3.681519604820847	3.681519604820847
604	345	255164	27038.8586730335	19437.310250766	36.7466381189236	-100.7034487	353902.34861764608	4393035.860616175	2825.51670070515	2721.76114115126	2720.084163	2720.945612398629	1.631950713185963	1.6019815330753772
605	345	255165	27698.8586730335	19437.310250766	36.7466193486642	-100.701055	354103.367134064	4393031.839076023	2831.289183285753	2720.56649573171	2720.981848378407	2720.981848378407	0.330507441228747	0.330507441228747
606	345	255166	28338.8586730335	19437.310250766	36.7466001221174	-100.6987623	354304.3396180465	4393027.817719131	2837.06166585791	2719.381633473075	2722.5065434131297	2722.5065434131297	0.330507441228747	0.330507441228747
607	345	255167	29018.8586730335	19437.310250766	36.7465804	-100.6964192	354505.3114505099	4393023.797	2842.033775310276	2718.20898056381	2724.113526	2722.5065434131297	0.330507441228747	0.330507441228747
608	345	255168	29678.8586730335	19437.310250766	36.7465603145607	-100.694076	354706.2833983799	4393019.75691283	2846.225312820016	2717.01440763919	2726.176727104813	2726.09826016772	0.330507441228747	0.330507441228747
609	345	255169	30338.8586730335	19437.310250766	36.74653973175104	-100.6917328	354907.2552067027	4393015.75	2850.407250329757	2715.804333264743	2728.8355267497386	2728.8355267497386	0.330507441228747	0.330507441228747
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611	345	255171	31658.8586730335	19437.310250766	36.7464972096926	-100.687064	355309.194057871	4393007.714362247	2856.141284813957	2713.334484817007	2733.76872644597	2733.76872644597	0.330507441228747	0.330507441228747
612	345	255172	32318.8586730335	19437.310250766	36.7464745271069	-100.6847032	355510.196794246	4393003.694379087	2858.05412323682	2712.07465172334	2737.706918369713	2731.37628833475	0.330507441228747	0.330507441228747
613	345	255173	32978.8586730335	19437.310250766	36.7464519736375	-100.68239	355720.747329004	4393000.74822552	2860.1026383808895	2711.1440253812434	2742.02323815	2742.02323815	0.330507441228747	0.330507441228747
614	345	255174	33638.8586730335	19437.310250766	36.7464340027398	-100.6800168	355912.112611896	4392995.65	2852.8915491437396	2709.509433755905	2741.81525027385	2742.571178342094	0.330507441228747	0.330507441228747
615	345	255175	34298.8586730335	19437.310250766	36.746408724565	-100.6776737	356113.08313725	4392993.75639225	2860.1026383808895	2708.198989049554	2721.7402735253736	2722.260288859306	0.330507441228747	0.330507441228747
616	345	255176	34958.8586730335	19437.310250766	36.746382978332	-100.6753305	356314.035919714	4392987.61672422	2854.9044024162745	2706.8716741312032	2719.806481584922	2720.2823674832	0.330507441228747	0.330507441228747
617	345	255177	35618.8586730335	19437.310250766	36.746358775266	-100.6729873	356515.0246701391	4392983.97882179	2856.6071452279884	2705.582196822086	2718.04213477993	2718.571128133952	0.330507441228747	0.330507441228747
618	345	255178	36278.8586730335	19437.310250766	36.7463431	-100.6706441	356715.9952304289	4392979.57208468	2858.30800839702	2704.170115	2716.418312657315	2716.936362327414	0.330507441228747	0.330507441228747
619	345	255179	36938.8586730335	19437.310250766	36.7463193058481	-100.6682908	356917.9652510485	4392975.72000189224	2862.7220081259717	2702.9683808895	2714.6217807516025	2715.38514623674	0.330507441228747	0.330507441228747
620	345	255180	37598.8586730335	19437.310250766	36.74629344347816	-100.6659777	357145.74277919	4392971.84507764904	2864.845348725679	2701.4146767901	2714.64507764904	2713.31013027827	0.330507441228747	0.330507441228747
621	345	255181	38258.8586730335	19437.310250766	36.7462574284212	-100.6636146	357318.906806983	4392967.524798625	2865.94831032753	2700.0190351793417	2710.953620494196	2711.278968	0.330507441228747	0.330507441228747
622	345	255182	38918.8586730335	19437.310250766	36.746230606773	-100.6612714	357519.870696413	4392957.50709048	2849.08644565102	2698.610668714206	2708.771642070445	2709.0565898206	0.330507441228747	0.330507441228747
623	345	255183	39578.8586730335	19437.310250766	36.7462040042464	-100.6589282	357720.8450790367	4392959.489627977	2846.919937009635	2697.1885888254787	2706.37404564015	2706.60227279352	0.330507441228747	0.330507441228747
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626	345	255186	41558.8586730335	19437.310250766	36.7461219736375	-100.651989	358323.7547329004	4392947.43585175	2842.55647289498	2692.85481322483	2697.33054656246	2697.33054656246	0.330507441228747	0.330507441228747
627	345	255187	42218.8586730335	19437.310250766	36.74609818	-100.6495418	358524.721055683	4392943.00228582	2840.0024228582	2691.390828825768	2693.52899272562	2693.52899272562	0.330507441228747	0.330507441228747
628	345	255188	42878.8586730335	19437.310250766	36.7460624779044	-100.6472123	358725.6933	4392939.4059999115	2836.350340772215	2689.92207334325	2689.287128483312	2689.3487717834184	0.330507441228747	0.330507441228747
629	345	255189	43538.8586730335	19437.310250766	36.7460303112392	-100.6448691	358926.6623526533	4392935.36996993	2838.493523366525	2684.731838259438	2684.750785181804	2684.750785181804	0.330507441228747	0.330507441228747
630	345	255190	44198.8586730335	19437.310250766	36.7460029219866	-100.6425259	359127.631343858	4392931.3725204	2820.045111	2686.95048	2679.84014823234	2679.870082873443	7.1355574056644	7.10509742005728
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632	345	255192	45518.8586730335	19437.310250766	36.7459413854514	-100.637839	359521.5686215005	4392923.34267674	2826.74942891901	2684.0362689505	2674.457878317	2671.500041131299	12.0886817322625	12.5366287367595
633	345	255193	46178.8586730335	19437.310250766	36.7459147197913	-100.635498	359723.617006746	4392919.327817198	2824.55647289498	2682.85481322483	2679.33054656246	2679.33054656246	0.330507441228747	0.330507441228747
634	345	255194	46838.8586730335	19437.310250766	36.7458780381708	-100.6331532	359931.5057117716	4392915.3253095	2824.0024228582	2681.390828825768				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
717	345	25527	101618.85867307335	1019437.3170250766	36.67415622829302	-100.43867	376611.43281958054	4329582.8663401455	2665.638281	2598.347941627238	2520.68154760051006	2519.6271724003666	79.66639406713739	78.72092421871135
718	345	25528	102278.85867307335	1019437.3170250766	36.674158235760466	-100.4362609	376812.3906319682	4329578.870563131	2665.940363970121	2597.11382751171006	2516.9705881949117	2515.8973123218895	81.12670327461214	80.79136037461214
719	345	25529	102938.85867307335	1019437.3170250766	36.67415197891611	-100.4363827	37703.3428370684	4329574.8142697653	2665.8611522788603	2596.8611522788603	2517.2880019741456	2511.89802446694181	83.86687978513545	83.86687978513545
720	345	25530	103578.85867307335	1019437.3170250766	36.6741441489199	-100.4363609	37724.70189053951	4329573.9618711005	2665.791796463890825	2596.791796463890825	2517.00223130643	2507.8313054803756	85.76073690116926	85.76073690116926
721	345	25531	104258.85867307335	1019437.3170250766	36.6741368655611	-100.4292974	377415.263367047	4329566.8484989575	2648.8051405189153	2593.7315554704653	2505.264048983325	2503.523330217782	80.953055077141	80.953055077141
722	345	25532	104918.85867307335	1019437.3170250766	36.67412981295246	-100.4269543	37766.2120712292	4329562.886996354	2592.01580906519423	2590.9633859148416	2506.38359148416	2499.404080855334	91.0324315005563	92.6117217996305
723	345	25533	105578.85867307335	1019437.3170250766	36.67412280481055	-100.4246111	377817.1779411507	4329558.8895	2635.29733827574	2590.69392565472	2496.6012838171587	2495.601568	94.0927844831327	95.0922447633187
724	345	25534	106238.85867307335	1019437.3170250766	36.6741152399415	-100.4222679	378018.1330540172	4329554.9	2629.025277272808	2589.3507476279974	2492.781026107014	2491.914362361307	96.2921752098342	97.4361113916698
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726	345	25536	107558.85867307335	1019437.3170250766	36.6741005658065	-100.4175618	378240.04893240565	4329546.912198717	2616.481008712717	2588.74074933749	2489.79302830921	2488.15253599318	98.432124343114	98.432124343114
727	345	25537	108218.85867307335	1019437.3170250766	36.6740336591846	-100.4152385	378421.0056983395	4329542.815245265	2614.5982480410663	2585.16651831748802	2489.894504079626	2489.3861247489317	95.72720142388395	95.7803365897028
728	345	25538	108878.85867307335	1019437.3170250766	36.67400852	-100.4128953	378621.9623409141	4329538.9250145046	2617.104718611408	2583.719606529855	2494.0542254690304	2493.61735545097	99.8655318395515	90.10250480788964
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730	345	25540	110198.85867307335	1019437.3170250766	36.6740707448593	-100.408209	379223.8753055071	4329530.936841012	2622.117662320914	2580.7341079390	2514.6937504050556	2515.22946013701	60.0969029874306	65.5242038
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734	345	25544	112838.85867307335	1019437.3170250766	36.67404019882298	-100.3988365	380027.6996448926	4329514.968624217	2588.113235686679	2574.550828	2520.93899076737	2520.8462750639574	53.6118375832795	53.70455338652616
735	345	25545	113498.85867307335	1019437.3170250766	36.67403246746174	-100.3964933	380228.6556947305	4329510.97688832	2581.098848103853	2572.9481392120547	2516.7276259924426	2516.40651	56.2205312	56.5412963455145
736	345	25546	114158.85867307335	1019437.3170250766	36.67403246746174	-100.3941502	380426.914309813	4329506.9486887	2577.146779337031	2571.326394904567	2512.496305442637	2512.102678036753	58.000445245914	59.223721450756784
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3	346	25533	369621.1413	1020937.3170250766	36.669416029851234	-102.1116529	323089.2922407332	4329465.851572572	3709.860248266165	3571.1298876195265	3497.9418975381213	3497.486027520578	73.187990014531	73.603638394992
4	346	25534	368961.1413	1020937.3170250766	36.66944135716984	-102.1093101	323290.3859917677	4329461.009817076	3696.37386273385	3568.974973182366	3492.73424758149	3495.883696	72.74262543	73.09127173283667
5	346	25535	368301.1413	1020937.3170250766	36.66944135716984	-102.1069673	323481.474972076	4329459.33029519	3689.9733029519	3568.974973182366	3492.73424758149	3495.883696	70.152277813232	70.152277813232
6	346	25536	367641.1413	1020937.3170250766	36.669416029851234	-102.1042618	323693.37000914	4329453.7000914	3569.63917598397	3497.017047562136	3496.7432143508045	3496.7432143508045	67.89824710730971	67.89824710730971
7	346	25537	366981.1413	1020937.3170250766	36.66951706817605	-102.1022818	323893.6566214573	4329450.20952326	3656.344292543307	3562.457894851263	3497.097019715545	3496.7824307445273	65.3608927973118	65.6754608
8	346	25538	366321.1413	1020937.3170250766	36.66954214616165	-102.099939	324094.7583058414	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	63.857915121509905	63.857915121509905
9	346	25539	365661.1413	1020937.3170250766	36.6695673179978	-102.0975962	324295.85079055082	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	61.79014695724086	61.79014695724086
10	346	25540	365001.1413	1020937.3170250766	36.66959237	-102.0952534	324496.842959159	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	60.2705162736116	60.2705162736116
11	346	25541	364341.1413	1020937.3170250766	36.6696173232797	-102.0929208	324698.0366905374	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	59.0754750566232	59.0754750566232
12	346	25542	363681.1413	1020937.3170250766	36.6696424781989	-102.090567	324899.126595052	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	57.0451179126314	57.0451179126314
13	346	25543	363021.1413	1020937.3170250766	36.6696676796787	-102.088229	325100.217890338	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	55.744074884006	55.744074884006
14	346	25544	362361.1413	1020937.3170250766	36.669714286822	-102.0858821	325301.309087078	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	54.5839279694341	54.5839279694341
15	346	25545	361701.1413	1020937.3170250766	36.6697169711665	-102.0835393	325502.3986050223	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	53.4396609728718	53.4396609728718
16	346	25546	361041.1413	1020937.3170250766	36.6697417568982	-102.0811965	325703.940529988	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	52.34704781279616	52.34704781279616
17	346	25547	360381.1413	1020937.3170250766	36.66976649607289	-102.0788537	325904.5807917893	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	51.02582303967596	51.02582303967596
18	346	25548	359721.1413	1020937.3170250766	36.66979118909508	-102.0765109	326105.6706627118	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	49.82698814825381	49.82698814825381
19	346	25549	359061.1413	1020937.3170250766	36.66981944817492	-102.0742823	326307.85027026665	4329450.7583058414	3649.7583058414	3562.457894851263	3497.097019715545	3496.7824307445273	48.695270604852	48.695270604852
20	346	25550	358401.1413	1020937.3170250766	36.6698404417492	-102.0721823	326509.85027026665	4329450.7583058414	3					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
103	346	255403	-308621.1413	1020997.3170250766	36.67172475	-101.8773662	253197.3929	439280.931260099	3602.1148283630428	3118.357018499732	3364.955179968792	3368.813979521144	34.0148383094004	49.54303988
104	346	255404	-302661.1413	1020997.3170250766	36.6714555165289	-101.8750233	253388.4612823358	439627.679330094	3609.904794	3471.489495798321	3363.244785625817	3366.785294548557	34.01476992525036	50.714269428485094
105	346	255405	-302021.1413	1020997.3170250766	36.67363163	-101.8726803	253599.9269069036	439572.7456824279	3617.6947848651836	3416.8107638978463	3363.53242485925	3365.15693823689125	34.014698215869129	51.8250215489149
106	346	255406	-301641.1413	1020997.3170250766	36.6718701908009	-101.8703734	253800.572940506284	439571.65915760754	3625.484725017865	3415.705118730519	3359.359113547129	3361.105197481478	34.0146331964595	52.71462393206294
107	346	255407	-300981.1413	1020997.3170250766	36.67186784860238	-101.8679845	254001.6648660229	4395624.383	3631.0288787246864	3414.792985786223	3356.923184213225	3359.465829267201	34.01460912799631	53.154705758
108	346	255408	-300321.1413	1020997.3170250766	36.67182831	-101.8656515	254202.7324099228	4395260.246422346	3634.327250586726	3413.8813048661136	3354.50102554419	3356.333873482274	34.0145820341169459	57.54736738383963
109	346	255409	-299661.1413	1020997.3170250766	36.6718848076424	-101.8633086	254403.79937315728	4395256.110177447	3637.6552448547558	3412.9743293474053	3351.566809640057	3352.52104118011796	34.014561707348456	60.46231262262599
110	346	255410	-299091.1413	1020997.3170250766	36.67188801083744	-101.8609656	254804.8662677913	4395251.974154417	3640.923904	3412.070263	3349.21606785231	3345.357437411427	34.0145419977048456	67.12825111094296
111	346	255411	-298341.1413	1020997.3170250766	36.67186989558176	-101.8586827	254805.8329100835	4395274.638364235	3648.85701076804	3411.17163899742234	3347.164563787837	3340.48816808598	34.01452367743524	70.82321603665685
112	346	255412	-297681.1413	1020997.3170250766	36.6719103350953	-101.8562797	255006.9955107403	4395243.703	3625.424816945183	3410.280454726205	3344.595134	3344.009101886624	34.014503704059	76.2714625567913
113	346	255413	-297021.1413	1020997.3170250766	36.67193072935583	-101.8538368	255208.05648717925	4395239.567	3613.9927526629917	3409.39856413589	3341.9125814288004	3343.869562386706	34.01447238478866	85.6299040428523
114	346	255414	-296361.1413	1020997.3170250766	36.67195107835094	-101.851938	255409.1313995827	4395235.23477478	3602.56023621463	3408.531225984595	3339.221497840557	3339.5855682507	34.01445871044382	96.68756640599242
115	346	255415	-295701.1413	1020997.3170250766	36.671971738	-101.8492509	255610.19707893302	4395231.497314	3593.58551006931	3407.67273237592	3336.4132044215803	3338.7068912491336	34.01443881801158	108.9693818485828
116	346	255416	-295041.1413	1020997.3170250766	36.67191914055762	-101.8469079	255811.2625179114	4395227.162842897	3587.06741195138	3406.836382956422	3333.044041977338	3335.595847943368	34.014423743739804	116.23774374339804
117	346	255417	-294381.1413	1020997.3170250766	36.6720118537912	-101.844465	256012.3271506624	4395224.8384835	3580.549313841845	3406.23529562628	3329.9404141001214	3331.97061438073	34.014412716220663	130.740247453155494
118	346	255418	-293721.1413	1020997.3170250766	36.67203302172044	-101.842222	256213.3927714653	4395218.804269232	3574.031215732203	3405.204532739157	3327.151759105296	3328.402567151594	34.014402767026	147.80195122760296
119	346	255419	-293061.1413	1020997.3170250766	36.672052414418046	-101.839879	256414.45748714227	4395214.76333624	3567.18838018515	3404.4014481403315	3325.331576430483	3325.057808105669	34.01439729049728318	179.35264030462227
120	346	255420	-292401.1413	1020997.3170250766	36.67207221284546	-101.8375361	256610.5512962302	4395210.6268087	3560.020830695382	3403.630664133844	3325.679780805327	3324.73817515649	34.014389705231153	187.89194670230315
121	346	255421	-291741.1413	1020997.3170250766	36.67209225401146	-101.8351931	256816.586197134	4395206.49315769	3552.85233734944	3402.8688216482133	3328.121053640034	3327.0768364086134	34.0143776800817826	195.75198323959985
122	346	255422	-291081.1413	1020997.3170250766	36.672112240115986	-101.8328501	257017.0561919004	4395202.35991053	3545.68716052517	3402.1292962299553	3331.8853428460056	3330.74526022181	34.0143652022181	210.74383020777423
123	346	255423	-290421.1413	1020997.3170250766	36.6721321825904	-101.8309072	257218.71394675263	4395188.226914007	3541.71822902458	3401.4124245894688	3335.9636304	3334.8735231437934	34.0143549142183	226.653809427
124	346	255424	-289761.1413	1020997.3170250766	36.67215078940535	-101.8281627	257478.1774619144	4395194.0411267	3540.950142938505	3400.718133264761	3333.808318532653	3333.6712359710170	34.014346092427573	240.6408388574934
125	346	255425	-289101.1413	1020997.3170250766	36.672169006284824	-101.8259136	2576827.5416225425	4395195.17158739	3538.5491678099628	3399.4348370179255	3331.63863673911	3331.4947722485495	34.01433740010538971	258.7504105388971
126	346	255426	-288441.1413	1020997.3170250766	36.67219135781874	-101.8234783	257821.9037399007	4395185.8294039	3539.415768299127	3399.395734341296	3334.00532423222	3334.9537387407404	34.01432411200783	275.4538368765686
127	346	255427	-287781.1413	1020997.3170250766	36.67221149651584	-101.8211353	258022.9665173202	4395181.69721935	3537.76291424859	3398.767926196574	3334.3965548167425	3334.9519733897104	34.014313713983291	331.176888
128	346	255428	-287121.1413	1020997.3170250766	36.6722321185047	-101.8187923	258224.0291297838	4395173.56537761	3534.786373	3398.12659643094	3346.57542286646	3345.989462279203	34.01430514431961	352.1731341167113
129	346	255429	-286461.1413	1020997.3170250766	36.67225088192374	-101.8164494	258425.0914658924	4395174.837768	3546.95574370711	3397.580526016236	3345.379605113302	3344.53873323155	34.0142950156832376	353.041728284013
130	346	255430	-285801.1413	1020997.3170250766	36.67227056735245	-101.8141064	258626.15330304274	4395169.302	3542.152175933422	3397.0217953274364	3342.7940394781167	3341.8646451888043	34.0142875584931969	355.157150138832094
131	346	255431	-285141.1413	1020997.3170250766	36.672290066284824	-101.8117634	258827.5416225425	4395163.17158739	3538.5491678099628	3396.4348370179255	3331.63863673911	3331.4947722485495	34.01427940010538971	372.7504105388971
132	346	255432	-284481.1413	1020997.3170250766	36.6723090295311	-101.8094204	259028.2789771177	4395160.14037308	3532.1549214533334	3395.8313512132	3330.05582336053	3331.63863673911	34.014271258330274	391.61873376707184
133	346	255433	-283821.1413	1020997.3170250766	36.6723291059878	-101.8070775	259229.3383463532	4395156.90965672	3535.78851039703	3395.46208	3330.6975566878955	3329.693723309987	34.014267645238	408.65780150529048
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135	346	255435	-282501.1413	1020997.3170250766	36.672367891864935	-101.8023915	259631.460381487	4395148.6900141	3530.1841833994131	3394.5318522466468	3322.505894995927	3321.178589260258	34.01425072507167	435.7336298162042
136	346	255436	-281841.1413	1020997.3170250766	36.67238730510506	-101.8000485	259832.5210312225	4395145.61920041	3524.609945433697	3393.18194418	3321.319150304088	3321.319150304088	34.0142417550129607	453.75079415129607
137	346	255437	-281181.1413	1020997.3170250766	36.67240661306315	-101.7977958	260003.5814410854	4395140.389233995	3519.495016535217	3392.64726738015	3321.319150304088	3321.319150304088	34.01423266812705	472.794476206812705
138	346	255438	-280521.1413	1020997.3170250766	36.67242587579515	-101.7954831	260214.5257172041	4395136.17158739	3518.901416733387	3391.34481382148	3321.319150304088	3321.319150304088	34.01422372485495	491.821400105388971
139	346	255439	-279861.1413	1020997.3170250766	36.6724450392311	-101.7930196	260435.7015668247	4395132.13	3517.488911953142	3390.2611862465084	3321.319150304088	3321.319150304088	34.014214372485495	509.85255674150453
140	346	255440	-279201.1413	1020997.3170250766	36.6724642544489	-101.7906766	260636.76127500526	4395128.01426684	3516.558576841176	3392.4943776485657	3320.569602681555	3320.569602681555	34.014205341012	527.6991155425738
141	346	255441	-278541.1413	1020997.3170250766	36.67248339234495	-101.7883336	260837.820740043	4395123.87609715	3515.62861706133	3392.142074764725	3320.569602681555	3320.569602681555	34.0141961308	545.9025115081155
142	346	255442	-277881.1413	1020997.3170250766	36.672502474041885	-101.7859906	261038.8798302748	4395119.74402536	3514.6964692691	3391.00684895061	3320.569602681555	3320.569602681555	34.014187306343292	563.8974638343292
143	346	255443	-277221.1413	1020997.3170250766	36.67252151047034	-101.7836476	261239.938832809	4395115.6576371	3513.79115152563	3391.465227152271	3320.569602681555	3320.569602681555	34.0141789294185607	581.91295944185607
144	346	255444	-276561.1413	1020997.3170250766	36.67254055150849	-101.7813046	261440.9974175705	4395111.44755464	3512.96473436293	3391.126217329823	3320.569602681555	3320.569602681555	34.0141701501604	600.934192091500673
145	346	255445	-275901.1413	1020997.3170250766	36.6725596984975	-101.7789616	261643.1441744875	4395107.32011414	3512.13578719142	3390.83437186407	3320.569602681555	3320.569602681555	34.0141613081012	619.8694963896585
146	346	255446	-275241.1413	1020997.3170250766	36.672578757835	-101.7766186	261843.1441744875	4395103.32011414	3511.305					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	SatHtElev.f	SatHtKgr.f	SatHtBoth.f
229	346	25529	-220461.1413	1020997.310250766	36.67398931138848	-101.5821462	278530.15380309645	434761.446827192	3500.9041302382957	3297.760442002478	3182.222679	3182.2063625051136	3182.2063625051136	115.556579659736451
230	346	25530	-219801.1413	1020997.310250766	36.67400440964841	-101.5798031	278731.1931090056	434759.133885164	3498.72682363747	3296.564165688267	3181.5442856333524	3179.041052012475	3175.0203039154329	117.54225634563162
231	346	25531	-219181.1413	1020997.310250766	36.674019483039615	-101.57746	278852.23216845947	434753.2301733896	3498.422636858347	3295.963768191923	3180.7840090918167	3175.2014637674	3174.5717482619815	120.156867281555
232	346	25532	-218481.1413	1020997.310250766	36.6740347096662	-101.575711	279137.1712011244486	434750.120945156	3497.002342426903	3294.165313610248	3179.0609330991602	3174.466252043313	3175.104383103741	122.69906414933303
233	346	25533	-217821.1413	1020997.310250766	36.67404943329214	-101.5727739	279334.30963825673	434745.019648303	3495.05769981204624	3292.9602559033703	3178.2645956761194	3178.06541552376266	3174.69746022761052	124.47054066610372
234	346	25534	-217161.1413	1020997.310250766	36.674064351026345	-101.5704308	279534.30484701718	434740.95483403503	3494.151536681257	3291.754863381257	3177.5035062306065	3176.9484738765486	3174.23606294218584	120.6380970470818
235	346	25535	-216501.1413	1020997.310250766	36.674079223158245	-101.5680877	279736.382390495	434736.801450568	3493.075426361317	3290.5425792011247	3176.582606518263	3176.6923846186965	3175.95997268286146	122.8501945066610372
236	346	25536	-215841.1413	1020997.310250766	36.674094065002481	-101.5657446	279937.4242	434732.64994944	3492.335164	3289.3230577948057	3175.78937618798	3176.68054184072403	3175.5331201760074	120.717639387402823
237	346	25537	-215181.1413	1020997.310250766	36.67410883162607	-101.5634815	280136.4619735948	434728.5816843947	3491.597856358587	3288.963564968262	3175.12789115505	3176.6916196890489	3175.96575555894	120.5165680144002
238	346	25538	-214521.1413	1020997.310250766	36.6741235678157	-101.5610584	280339.4591648305	434724.481983219	3490.8460831604	3287.853595913744	3174.51697536651	3176.296757515925	3172.33965277022427	118.57104107144491
239	346	25539	-213861.1413	1020997.310250766	36.6741382593247	-101.5587153	280540.5368430547	434720.375837897	3491.33012509309	3285.063426472246	3173.609592701422	3176.224070241861	3171.9139733622042995	117.73735622042995
240	346	25540	-213201.1413	1020997.310250766	36.67415290483755	-101.5563722	280741.573954557	434716.270014549	3492.9964021113	3284.3247107388345	3173.0688454503982	3176.8017217218055	3171.2738653789621	116.54143910702896
241	346	25541	-212541.1413	1020997.310250766	36.67416751	-101.5540291	280942.6105801771	434712.164228995	3494.6653753112867	3283.071206801966	3172.59912879386	3176.6172381194632	3170.87278820148	115.45825845568345
242	346	25542	-211881.1413	1020997.310250766	36.6741820661376	-101.551686	281143.64703343966	434708.059033028	3496.330574051481	3281.78819310516	3172.3342903206396	3176.5143092543970	3170.4539028510928	114.47288454573434
243	346	25543	-211221.1413	1020997.310250766	36.6741965706006	-101.5494329	281344.6839955674	434704.953633579	3496.766171394785	3280.439362502089	3172.0585839159016	3176.22826599462	3170.4394190041675	113.24667592550716
244	346	25544	-210561.1413	1020997.310250766	36.67421105540319	-101.546998	281545.7202457414	434699.84903402	3495.9705635733394	3279.187067001115	3171.864594948957	3176.071179	3170.3220058511576	112.11642712501028
245	346	25545	-209901.1413	1020997.310250766	36.67422554588796	-101.5446567	281746.7563811369	434695.744373233	3495.174953951297	3277.8698905426183	3171.91915636752	3176.518411548575	3170.94898978786614	110.37338760434
246	346	25546	-209241.1413	1020997.310250766	36.67423982099925	-101.5423136	281947.7922027075	434691.64	3494.37934327062	3276.5396525113483	3171.902100038006	3176.51323876234211	3170.02641374775612	109.02641374775612
247	346	25547	-208581.1413	1020997.310250766	36.674254158046296	-101.5399705	282148.8270869804	434687.535740478	3491.5406377182685	3275.1962948487826	3172.15809003884	3176.67868157	3170.03820475488974	107.31960599138482
248	346	25548	-207921.1413	1020997.310250766	36.67426944172704	-101.5376274	282349.8630212011	434683.541717839	3488.66538014221	3273.8391229251928	3172.55948477562	3176.082314859985	3170.27638150130573	105.7105402363277
249	346	25549	-207261.1413	1020997.310250766	36.674282801211	-101.5352843	282550.9898790666	434679.320390517	3487.177703031734	3272.467702189247	3172.347334569345	3176.73984013145	3170.2206671989014	103.68851817761288
250	346	25550	-206601.1413	1020997.310250766	36.67429687329148	-101.5329412	282761.9333447148	434675.2435001	3485.9262395756	3271.06246122189	3174.042864	3176.091013073454	3170.5966979980584	102.08101313873515
251	346	25551	-205941.1413	1020997.310250766	36.67431091175106	-101.530587	282967.989691327	434671.1212563499	3484.912325638991	3269.93826195841	3173.076291980489	3175.91054967732471	3170.512658015687	100.912658015687
252	346	25552	-205281.1413	1020997.310250766	36.67432512373036	-101.528255	283154.0023462497	434667.81215361	3486.90844047764	3268.268533111979	3175.952536555976	3176.658046492458	3170.2759655602251	100.6124061
253	346	25553	-204621.1413	1020997.310250766	36.6743398114516	-101.5259118	283355.0389593182	434663.951405717	3481.87789585471	3266.83994742411	3176.7921257257285	3176.6505751356346	3170.40768746682662	100.01634311606504
254	346	25554	-203961.1413	1020997.310250766	36.674353193231504	-101.523568	283556.07107149845	434658.818227853	3485.84731	3265.3971259205373	3177.0764402878654	3176.3290858754502	3170.8206856376194	100.01790460351
255	346	25555	-203301.1413	1020997.310250766	36.674367716005199	-101.5212257	283757.10497101396	434654.784187156	3482.291081	3263.900276973856	3177.4455043016437	3176.09159712551429	3170.3458241425681	102.3458241425681
256	346	25556	-202641.1413	1020997.310250766	36.67438108160626	-101.5188826	283958.1368506076	434650.608	3448.20918298672	3261.48349423255	3177.9873206964646	3175.2845257574822	3170.4152345620628	105.18432166377268
257	346	25557	-201981.1413	1020997.310250766	36.6743959489839	-101.5165395	284159.1721386897	434645.3684838	3444.127285076764	3259.766171394785	3175.85478972447616	3175.85478972447616	3170.4152345620628	105.18432166377268
258	346	25558	-201321.1413	1020997.310250766	36.67440978918214	-101.5141963	284362.0439562768	434640.453748339985	3443.024537170554	3259.485024638977	3176.054528158689	3175.8307221240494	3170.796347302008	103.796347302008
259	346	25559	-200661.1413	1020997.310250766	36.67442257467513	-101.5118532	284561.2384653104	434638.303	3443.583525042228	3257.978274534004	3183.090417829527	3174.809329598112	3174.8824561	110.16349748528854
260	346	25560	-200001.1413	1020997.310250766	36.674436315160555	-101.5095101	284762.7212858112	434634.202227528	3424.7418707738	3256.499810711336	3186.49014806382	3176.1884963264813	3170.2617890040715	110.2617890040715
261	346	25561	-199341.1413	1020997.310250766	36.67445001030999	-101.507167	284963.393136599	434630.101271878	3415.90159042613	3255.92106	3191.2046655143045	3176.46416460352425	3176.3163404729535	108.50454563617632
262	346	25562	-198681.1413	1020997.310250766	36.6744636034993	-101.5048239	285164.336302845	434626.005047944	3407.058447511777	3253.38623128558	3197.150329270604	3176.52341920148619	3170.471885626	104.75801701885626
263	346	25563	-198021.1413	1020997.310250766	36.67447726504281	-101.502408	285365.368539397	434621.300505714	3401.72673860364	3251.84546696671	3204.707403989575	3176.17612004338	3170.471885626	104.75801701885626
264	346	25564	-197361.1413	1020997.310250766	36.67449092446915	-101.5001377	285566.405100919	434617.739175183	3400.92834213038	3250.9631305841	3191.10263122462	3176.4916884571	3170.471885626	104.75801701885626
265	346	25565	-196701.1413	1020997.310250766	36.674505433883034	-101.4977455	285763.432148684	434613.69976341	3398.083262197166	3248.746244417636	3188.3386154716336	3176.4587384711532	3170.471885626	104.75801701885626
266	346	25566	-196041.1413	1020997.310250766	36.674517807524936	-101.4954514	285968.463886831	434609.59969189	3396.26102600424	3247.18859569007	3190.97861263555	3176.50563289778	3170.471885626	104.75801701885626
267	346	25567	-195381.1413	1020997.310250766	36.67453123115337	-101.4931083	286169.495252878	434605.50403703	3393.478017838294	3245.6259012340283	3173.796101859077	3176.5229734855681072	3170.471885626	104.75801701885626
268	346	25568	-194721.1413	1020997.310250766	36.67454546095156	-101.4907652	286376.526405974	434601.041069892	3389.71474	3244.0587981290546	3176.2104306817762	3176.558457802207	3170.471885626	104.75801701885626
269	346	25569	-194061.1413	1020997.310250766	36.674559794261171	-101.4884221	286571.5573947457	434597.3019716735	3385.957329726698	3242.48797840654	3176.062782621238	3175.660894781386	3170.471885626	104.75801701885626
270	346	25570	-193401.1413	1020997.310250766	36.674574123044155	-101.4860789	286772.5880640183	434593.30037231	3382.199945	3240.94121153524	3174.75257670566	3174.233587467197	3170.471885626	104.75801701885626
271	346	25571	-192741.1413	1020997.310250766	36.674588496981913	-101.4837827	286979.7973731834	434589.3471689282	3379.320185576839	3239.32279442676	3176.40411798256	3176.1216819618956	3170.471885626	104.75801701885626
272	346	25572	-192081.1413	1020997.310250766	36.6745937030246	-101.4813927	287148.642965505	434585.00051147	3377.380752937485	3237.764040909001	3176.73045	3171.92		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ld.	BREIEvLogsKgf	BREIEvBothKgf	SurfElev.f.t	SurfBoth.f.t
354	356	255655	-137301.1413	102099.7310250766	36.675535245398635	-101.2869107	303859.45665621106	3429425.644951807	3246.176363150543	310.4519339076327	3027.3916240042745	77.6888345	77.1603903393821	
356	356	255656	-136641.1413	102099.7310250766	36.67544644024605	-101.2848476	304060.4700442086	3429421.565973782	3240.173767900549	310.379714638199	3025.274276302656	78.0726721	76.9852696	
357	346	255657	-136861.1413	102099.7310250766	36.67553599692531	-101.2822343	304551.4635299624	3429422.565973782	3244.08924924527	310.21316985089106	3023.582972209037	77.72630171669	74.4878093203235	
358	356	255658	-135231.1413	102099.7310250766	36.67532694136402	-101.2798811	304462.4964	342933.409	3226.0608749697438	310.383498464178	3021.273190009577	76.600155	74.2933435075918	
359	356	255659	-134661.1413	102099.7310250766	36.67572553179364	-101.277538	304663.509324601	3429329.3043425429	3225.313179902398	309.6354632562156	3019.011884234473	76.425829903464	80.62359702174244	
360	360	255660	-134001.1413	102099.7310250766	36.6755817695413	-101.2751948	304864.5220593604	342925.25237191	3223.71769052923	308.356663268481	3016.7309236469746	76.323963950626	84.3406609543142	
361	366	255661	-133341.1413	102099.7310250766	36.67559093546066	-101.2728516	305065.5348554955	3429221.174654588	3225.4921821129137	308.50632604334	3013.9759632779796	76.03223536034846	83.08049132635433	
362	362	255662	-132681.1413	102099.7310250766	36.6756005869699	-101.2705984	305266.5468211338	3429217.09657001	3225.67240417291	3095.7352441446433	3011.104357382327	76.0273063536	84.6308661	
363	364	255663	-132021.1413	102099.7310250766	36.6756093699699	-101.2681653	305467.559663178	3429213.098462527	3224.345017893333	3084.29678152602	3008.2205270674	76.017429292188	76.35834912892306	
364	364	255664	-131361.1413	102099.7310250766	36.67561816937085	-101.265822	305668.571021307	3429208.924663455	3225.510023	3093.040524867552	3005.657565753012	76.01142620370879	81.8985304597356	
365	366	255665	-130701.1413	102099.7310250766	36.6756271568044	-101.2634788	305869.5827863106	3429204.8630036	3226.675028840033	3091.6677196586274	3003.878816802302	76.0360979673053	87.77880286	
366	366	255666	-130041.1413	102099.7310250766	36.6756308996965	-101.2611356	306070.594361537	3429200.7889498	3226.840330414892	3090.278830650092	3003.31082719105	76.0426313809961	86.9477814590437	
367	367	255667	-129381.1413	102099.7310250766	36.675645	-101.2587924	306271.60574717796	3429196.71	3196.2963463991467	3088.875340991467	3005.551662	76.0326793346283	85.0152176	
368	366	255668	-128721.1413	102099.7310250766	36.67565387495205	-101.2564492	306472.616943457	3429192.632502042	3192.043595777201	3047.45990196327	3004.325587	76.0424220242766	83.17512034284917	
369	369	255669	-128061.1413	102099.7310250766	36.6756625385546	-101.2541661	306673.6279505689	3429188.56273867	3187.91585165005	3066.03302981203	3005.718008	76.0502179762061	80.85501251179312	
370	364	255670	-127401.1413	102099.7310250766	36.67567114194734	-101.2517629	306874.63876972626	3429184.04582344	3183.5392047537084	3084.595244598317	3005.88622915893	76.063180214717	76.6313991151024	
371	364	255671	-126741.1413	102099.7310250766	36.67568013077085	-101.2494197	307075.64381326	3429180.49041071	3175.111452	3083.147621057336	3006.45726952605	76.06631564307	76.6234641432283	
372	364	255672	-126081.1413	102099.7310250766	36.67568801325975	-101.2470765	307276.6598399345	3429176.73374036	3162.508328	3081.690103044223	3006.925788012351	76.76493510372723	74.7524737283517	
373	364	255673	-125421.1413	102099.7310250766	36.675697462612665	-101.2447333	307477.6709151564	3429172.25867632	3149.95024	3080.220887394915	3007.2272151	76.07972768150017	72.9938375	
374	364	255674	-124761.1413	102099.7310250766	36.6757060066319	-101.2423391	307678.68055282866	3429168.138362235	3137.302081509497	3078.739978177297	3007.418029147128	76.081321751140918	71.08080754543749	
375	366	255675	-124101.1413	102099.7310250766	36.67571451384964	-101.2400469	307879.890132299	3429164.109262454	3123.734424094641	3077.247485125905	3007.77250037499	76.081647804765	69.4741759	
376	364	255676	-123441.1413	102099.7310250766	36.67572303086881	-101.2377037	308080.6986210356	3429160.243042091	3120.222240486741	3075.745145896054	3007.7765404913472	76.08101503	67.96830317025818	
377	364	255677	-122781.1413	102099.7310250766	36.67573173404713	-101.2351303	308287.763403827	3429157.32894141	3104.618792562114	3054.544131049495	3001.624023765471	76.0901426510443	69.4741759	
378	364	255678	-122121.1413	102099.7310250766	36.67573987402351	-101.2330713	308462.718631926	3429151.8863753	3100.137830241665	3077.716941803366	3003.31184003632	76.09057445094043	65.35855411568473	
379	366	255679	-121461.1413	102099.7310250766	36.6757482769935	-101.2306741	308683.7273050553	3429147.810257059	3072.36822188931	3071.7694898724	3006.7733091617924	76.09155494015656	64.4238582893174	
380	360	255680	-120801.1413	102099.7310250766	36.67575653610666	-101.2283309	308884.7367029357	3429143.736652405	3071.365993	3069.672263803563	3005.804266	76.0932408119278	63.6869604731655	
381	361	255681	-120141.1413	102099.7310250766	36.67576479924545	-101.2259877	309085.74545616366	3429139.6868068	3070.362164274494	3068.14820808965	3004.384719855986	76.0969679215606	63.7384815297868	
382	364	255682	-119481.1413	102099.7310250766	36.67577301711954	-101.2236445	309286.75402291294	3429134.35	3069.358456477085	3066.624778	3002.750330336036	76.0951638779973	63.87394484864626	
383	364	255683	-118821.1413	102099.7310250766	36.6757819171256	-101.2213103	309487.763403827	3429131.32894141	3078.41087803026	3065.104132342686	3001.621257654196	76.0914257654196	63.87394484864626	
384	364	255684	-118161.1413	102099.7310250766	36.67578971705025	-101.2189581	30968.779597788	3429128.44872734	3091.51979196214	3074.234518276852	3008.125040949896	76.093790529074	63.87394484864626	
385	364	255685	-117501.1413	102099.7310250766	36.675797399114714	-101.2166149	309889.7786632924	3429123.36	3106.628705805565	3062.077422769456	2995.450787356679	76.0991682244667	62.62664441277684	
386	364	255686	-116841.1413	102099.7310250766	36.675805054	-101.2142717	310090.78642911904	3429119.30399109	3121.73761862571	3060.5742283006457	2992.72542412265	76.0986705197276	62.74884809	
387	364	255687	-116181.1413	102099.7310250766	36.67581342743766	-101.2119285	310291.794	3429115.232168975	3136.769579539845	3059.07844648881	2989.97339947016	76.09841271700223	61.10504751	
388	368	255688	-115521.1413	102099.7310250766	36.67582173369617	-101.2095853	310492.801518006	3429111.10577649	3151.725126	3057.981624097286	2987.193793471786	76.09887151752	70.7393790945111	
389	368	255689	-114861.1413	102099.7310250766	36.6758292	-101.2072421	310683.8087859343	3429107.089217025	3166.680491598756	3056.1138001548816	2984.4241747206743	76.09128704382194	71.68995245	
390	366	255690	-114201.1413	102099.7310250766	36.67583731404713	-101.204889	310804.815892523	3429103.019	3158.65971211416	3054.544131049495	2981.684023765471	76.0901426510443	69.4741759	
391	366	255691	-113541.1413	102099.7310250766	36.67584784085658	-101.2025557	311055.8225769067	342909.9487	3184.25077176273	3053.184085547126	2987.0211622661546	76.091373864125	74.16292631	
392	364	255692	-112881.1413	102099.7310250766	36.67585271	-101.2002125	31126.6294741507	3429094.87519265	314.5291503841495	3051.734911280673	2976.390205318794	76.09110104363004	75.34470596187324	
393	364	255693	-112221.1413	102099.7310250766	36.6758604255832	-101.1978693	311497.83680818913	3429090.8068139	3050.298985176817	2973.840797201851	2990.033102132848	76.0954787496622	60.29567216442329	
394	364	255694	-111561.1413	102099.7310250766	36.6758681006455	-101.1955261	311698.4824353121	3429086.76	3155.08329691903	3048.878381329687	2971.523018062736	76.0974587524192796	73.3553700469504	
395	366	255695	-110901.1413	102099.7310250766	36.67587572996204	-101.1931828	311899.848514283	3429082.665997511	3156.01329691405	3047.474550745735	2968.923696113384	76.09853257494258	61.49063371368911	
396	366	255696	-110241.1413	102099.7310250766	36.67588331400772	-101.1908336	312100.8549420757	3429076.596151538	3167.5962018765313	3046.067905	2966.793790379562	76.098423788002219	76.2582573511768	
397	364	255697	-109581.1413	102099.7310250766	36.67589237226715	-101.1874432	312367.8957193054	3429070.828982341	3184.25077176273	3053.184085547126	2987.0211622661546	76.091373864125	74.16292631	
398	366	255698	-108921.1413	102099.7310250766	36.67589834651054	-101.1861352	312502.8658973168	3429070.45151358	3170.762026307585	3043.36197	2963.3939674164136	76.09510975482479	76.09247007343283	
399	366	255699	-108261.1413	102099.7310250766	36.67590957480405	-101.18381	312703.871325379	3429066.382972462	3200.359167973095	3042.039129	2963.521192769015	76.098545142185047	76.2582573511768	
400	364	255700	-107601.1413	102099.7310250766	36.67591319783752	-101.1814668	312904.8765066435	3429062.314734995	3040.7920590305874	3040.79204073557	2964.030475887106	76.0982618254516	58.48972512123634	
401	365	25701	-106941.1413	102099.7310250766	36.67592555662013	-101.1791236	31305.81861633398	3429058.25088132	3215.581947000195	3039.424298584686	2964.91613664035	76.09793495143082	60.0258416467683	
402	364	25702	-106281.1413	102099.7310250766	36.67592786808787	-101.1767804	313306.88651374134	3429054.125818588	3232.193281325571	3038.178913631764	2966.0336876073425	76.0971690356971	74.1522620424151	
403	364	25703	-105621.1413	102099.7310250766	36.67593519332475	-101.1744372	313507.8917							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
434	346	255781	-5411.14133	102097.3170250766	36.7636250459677	-100.9916655	329185.713801817	433937.3509893489	3099.277929254864	2876.499645175794	2876.227279926304	62.19269947	62.445515626137654	
482	346	255782	-53481.14133	102097.3170250766	36.7636195545064	-100.9893221	329386.7045392329	433937.2449891754	3096.33541960479	2936.561211995121	2875.15706707016	61.40481929	61.7540061290	
483	346	255783	-52821.14133	102097.3170250766	36.76363841222625	-100.9869179	329687.6953361875	433937.2510209687	3091.288115195234	2924.4525365030855	2874.271138999263	60.8020473006072	61.18141390183366	
484	346	255784	-52161.14133	102097.3170250766	36.7637344163243	-100.9846358	329785.6859605231	433721.36720806	3097.135948496579	2932.365762040506	2873.057624876426	60.5487422575338	60.79530130633085	
485	346	255785	-51501.14133	102097.3170250766	36.763769696714	-100.9822926	329989.676423178	433737.311	3082.985372696937	2930.302246766687	2869.753201434746	60.0213800330969	60.548971752312355	
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ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThKLog.s	SatThBoth.ft
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645	346	259405	54098.8586730335	1020997.3170250766	36.76362741242955	-100.6073734	362146.165561824	4393072.386279424	2816.6500493062913	2664.560049324959	2671.7210954517973	2671.102024015182
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653	346	259503	59378.8586730335	1020997.3170250766	36.7633160831891	-100.5886275	363753.8941841785	4393040.2936903	2790.491865212246	2655.3872059003856	2656.618487427383	2657.615134532199
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657	346	259507	62018.8586730335	1020997.3170250766	36.7631495479881	-100.5792545	364557.7584	4393024.253	2790.9687314554294	2649.765911245243	2650.598171673381	2651.16783899903203
658	346	259508	62678.									

ix	iy	ix	iy	X.Y.T	Y.T	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIElevKgs.Ft	BRIElevbothKgs.Ft	SatHtboths.Ft	SatHtBoth.Ft
734	346	256033	11278.85867307335	12009097.310250766	3667586091898835	-100.4011697	379830.7391311555	4392720.17305281	2605.157382292278	25.76.1440504243915	2520.6443138152135	2520.652327693267	55.769736609177926	55.76167171214564	
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737	346	256037	11481.85867307335	12009097.310250766	366758729126654	-100.3317968	380634.561340474	4392704.205303014	2580.306302402851	2569.868195605168	2508.996025991828	2508.996025991828	60.8960705078582	61.5691213817929	
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1	347	256041	120941.1415	1202757.310250766	366717289139854	-102.116374	326891.2776830071	4395955.5232313089	3724.82197178964824	3574.86701971695054	3502.10782559157419	3501.8685643478277	72.85919457	73.08645514671778	
2	347	256042	120281.1415	1202757.310250766	366717348592482	-102.1140285	326892.3198717608	4395991.3671224748	3720.057954344833	3572.8510417310504	3497.772015339966	3497.772015339966	75.0588409736383	75.1701373252466	
3	347	256043	120621.1415	1202757.310250766	3667122886920026	-102.1116857	323093.46566704083	4395897.2	3710.52133892224284	3570.86176558038	3493.962538429114	3493.931980542062	76.17715112653	77.29418602	
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5	347	256045	120981.1415	1202757.310250766	3667127948018413	-102.107	323495.652134301	4395888.879933458	3679.508271878974	3567.575808381614	3494.435361814704	3494.04982	75.47002193234571	75.72576058	
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8	347	256048	120961.1415	1202757.310250766	366713505722551	-102.099974	324049.0305520225	439587.3679758019	3640.91849250575	3559.84285714865	3495.796104060713	3495.36548441171	64.0467514261385	64.4763080014125	
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15	347	256055	120961.1415	1202757.310250766	366715289139854	-102.083114	325120.7244895762	4395847.154929235	3632.47423863915	3530.2012185672167	3485.1177629195928	3484.69446881912	57.12787133462	58.1621682246	
16	347	256056	120961.1415	1202757.310250766	3667155404560467	-102.0812285	325370.6068031507	4395843.125551958	3653.421183963494	3541.900175740583	3490.356640934724	3489.5754473473937	51.5432853396143	52.32630225151636	
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22	347	256062	120961.1415	1202757.310250766	366717023433986	-102.0671713	326914.0192880423	4395818.11212429	3618.36722455013	3527.810116944237	3482.5100525142	3483.63521727698	43.9685917633566	44.7302980157391	
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25	347	256065	120961.1415	1202757.310250766	366717763238052	-102.0601426	327517.46205915575	4395805.712	3607.625961828807	3520.51206390984	3480.6754618145865	3480.297183	39.83662011639744	40.2149849578398	
26	347	256066	120961.1415	1202757.310250766	366717996572417	-102.0577997	327718.5497963297	4395805.56238104	3604.3539894811847	3518.05092718152	3479.391571863813	3478.93121903627	38.6432058433484	39.1318781488943	
27	347	256067	120961.1415	1202757.310250766	3667182425295952	-102.0554568	327918.637248041	4395797.40089629	3598.629219253544	3515.3359148077	3477.81803629616	3476.853120381583	37.7108436728897	38.682794862819	
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29	347	256069	120961.1415	1202757.310250766	3667187269150364	-102.0507711	328321.8179580157	4395789.09117492	3573.759628417929	3510.478314896718	3474.341996615298	3473.981782581953	36.1318406624837	37.4891112266213	
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32	347	256072	120961.1415	1202757.310250766	366719450996682	-102.0437424	328925.070888531	4395786.62007488	3556.052153122729	3502.736742141491	3466.550210177406	3463.2873437842203	33.863196405134	39.48008036	
33	347	256073	120961.1415	1202757.310250766	366719690259969	-102.0413995	329126.156	4395772.741772084	3553.82464728684	3500.172711723654	3463.82464728684	3463.82464728684	32.960205515881	41.46962513133584	
34	347	256074	120961.1415	1202757.310250766	3667198299597348	-102.0394056	329327.2448233216	4395780.71740723	3555.60774649896	3507.77263974867	3459.79915919929	3453.54715728815	37.70983134	43.86022001123186	
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36	347	256076	120961.1415	1202757.310250766	366720040909445	-102.0345078	329724.1043345082	4395780.01047437	3540.509014889656	3492.204357509624	3454.2514969618734	3454.2514969618734	34.934832947504	49.73204377949066	
37	347	256077	120961.1415	1202757.310250766	3667206463554415	-102.0320279	329930.49793765543	4395785.661766397	3530.516403303163	3489.61148183263					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElln	WdL	BRElevKgr.f	BRElevBothKgr.f	SatHtElev.f	SatHtBoth.f
119	347	256159	-239061.1413	1020757.3170250766	36.6738605184645	-01.839905	256418.602366523	4395416.081	5988.911261193983	330.541177962665	3330.580495281256	3330.5804952927774	72.9600841510502	72.562414
120	347	256160	-292401.1413	1020757.3170250766	36.673865129752396	-01.837562	256619.6665959419	4395411.346735865	3598.234030916761	3402.773651579902	3328.925462775046	3328.4031747225101	73.8481263045589	74.07404080739042
121	347	256161	-297181.1413	1020757.3170250766	36.67390516247584	-01.835219	256820.7306580587	4395410.83100005	3548.557621931184	3328.7880137790744	3328.9253121917675	72.9737085895858	73.02077685895858	
122	347	256162	-291081.1413	1020757.3170250766	36.67393514989648	-01.8328759	257021.7943340772	4395388.0795657272	3701.2980926132177	3301.252549572283	3331.3152549572283	73.737373701557	73.8481263045589	69.8250691226185
123	347	256163	-290421.1413	1020757.3170250766	36.6739450205455	-01.8305329	257222.8574263058	4395395.546314274	3334.064867842095	3300.5954043631912	3333.583942779602	73.3445897038197704	73.601146206128942	66.00570081542082
124	347	256164	-289761.1413	1020757.3170250766	36.6739649884993	-01.828189	2574329.9112105118	4395365.41310526	3332.121907708771	3309.914481582234	3339.022796957463	73.33730932196956	60.9186462348779	61.9835866652476
125	347	256165	-289011.1413	1020757.3170250766	36.67398484058255	-01.8258469	257624.9841426187	4395362.28035673	3330.17525261347	3309.255617539941	3342.238018739744	73.3414530205151	70.07598800166525	58.11031033836034
126	347	256166	-288441.1413	1020757.3170250766	36.67400464695241	-01.8235038	257826.0489333145	4395391.71499562	3328.226455524234	3308.618989531154	3340.0102070381154	73.344067344673415	53.6087824959104	54.55164389734064
127	347	256167	-287781.1413	1020757.3170250766	36.67402448059845	-01.821168	258027.1094864708	4395383.01727988	3328.916611655578	3308.046217422711	3347.088996938765	73.345564627181959	53.6358578605234	54.55164389734064
128	347	256168	-287112.1413	1020757.3170250766	36.67404412390363	-01.8188178	258228.1717977205	4395378.86381224	3335.0667410198307	3307.4103695402696	3348.164545121963	73.347793758149303	49.248233294433	49.6192582569928
129	347	256169	-286461.1413	1020757.3170250766	36.6740639448489	-01.8164748	258429.2338718437	4395374.752	3540.27431558844	3306.84425870693	3347.421320084387	73.347163074514303	43.230537863061	49.6807513276062
130	347	256170	-285801.1413	1020757.3170250766	36.67408341980324	-01.8141317	258630.2957075163	4395370.6201749	3545.4821221518573	3306.299393176216	3344.541024195098	73.34399192054445	51.7583698911811	52.3074725917697
131	347	256171	-285141.1413	1020757.3170250766	36.67410299858604	-01.8117887	258831.3573049519	4395364.88478318	3554.958600275057	3305.775086	3340.2987531396316	73.33935956259825	56.4738326743835	56.18143816816025
132	347	256172	-284481.1413	1020757.3170250766	36.67412253465097	-01.8094457	259032.418664365	4395362.32670314	3568.7020832127896	3305.1693642931	3335.508303907281	73.334798742564134	73.51152441943796	60.4771030271758
133	347	256173	-283821.1413	1020757.3170250766	36.6741420418031	-01.8071028	259233.4793959302	4395358.754790134	3582.446621780034	3304.763986073597	3308.750870098925	73.33081149836322	64.7752244887956	
134	347	256174	-283161.1413	1020757.3170250766	36.67416148844635	-01.8047596	259434.5406068995	4395354.09052564	3598.190237583356	3304.31708557077	3326.391776570713	73.32510190059856	67.91832998499435	68.81579919812209
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137	347	256177	-281181.1413	1020757.3170250766	36.674221952666374	-01.7977305	260037.7219808092	4395341.76412529	3593.860119579956	3303.62666286832	3341.4313042084569	73.314192424771857	75.89525786118274	78.8341154
138	347	256178	-280521.1413	1020757.3170250766	36.67423879287989	-01.7953874	260238.7818	4395337.57669034	3590.194062770394	3302.6389974948597	3311.17338	73.31125773271189	81.512952236699	
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141	347	256181	-278541.1413	1020757.3170250766	36.6742910580783	-01.788473	260845.962215427	4395323.860172988	3568.386211476877	3300.362112470877	3304.180002000996	73.304543007477	90.1297126077295	
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143	347	256183	-277221.1413	1020757.3170250766	36.6743342099774	-01.7836722	261244.07766625	4395316.830430025	3560.1899272385115	3300.8588228561163	3298.1856059210345	73.297502683790066	92.06027636	93.48031606609698
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146	347	256186	-275241.1413	1020757.3170250766	36.67439129107727	-01.776643	261847.2528180825	4395304.546081048	3561.8148777390495	3300.09227	73.293126557483597	73.293122351	96.96571227	96.8689100289038
147	347	256187	-274581.1413	1020757.3170250766	36.674410124995696	-01.774373	262048.3106371758	4395300.19483041	3561.896614664316	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
148	347	256188	-273921.1413	1020757.3170250766	36.6744295352919	-01.7719658	262249.36976968	4395296.291101807	3562.106214952376	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
149	347	256189	-273261.1413	1020757.3170250766	36.6744477	-01.7696138	262450.425555102	4395292.163826343	3562.54849646146	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
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160	347	256200	-266001.1413	1020757.3170250766	36.67465115191398	-01.7438402	264662.0410239351	4395246.78017941	3542.832517665305	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
161	347	256201	-265341.1413	1020757.3170250766	36.67467193407305	-01.7415473	264863.1511914944	4395242.819882713	3542.832517665305	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
162	347	256202	-264681.1413	1020757.3170250766	36.674693730947935	-01.739154	265064.1498845001	4395235.150179147	3539.151579665305	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
163	347	256203	-264021.1413	1020757.3170250766	36.6747056258726	-01.736811	265265.203672299	4395234.307663404	3537.03966458157	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
164	347	256204	-263361.1413	1020757.3170250766	36.67472375	-01.7344679	265466.2578185195	4395230.3639467	3534.65630432575	73.293126557483597	73.293122351	96.96571227	96.8689100289038	
165	347	256205	-26270											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgs.f	BRElevBothKgs.f	SatHtElev.f	SatHtBoth.f
245	347	256285	-209901.1413	1020757.3170250766	36.7603841844879	-101.5446753	281750.8703485071	4394897.036642425	394.8422210542094	37.1747104335	3171.443275660813	3165.717346121428	106.16505897154875	111.38998851420213
246	347	256286	-209241.1413	1020757.3170250766	36.76052793032027	-101.5432332	281951.905054253623	4394892.311999662	3493.8301464086725	3275.787530345536	3171.460921151862	3165.76594090341495	104.2178190267151	110.2141623044017
247	347	256287	-208681.1413	1020757.3170250766	36.76067122244866	-101.539899	282152.9412862567	4394891.682589821	3480.9615400274456	3274.4408480029687	3171.552244674104	3162.88404333217831	108.5050376188673	110.2141623044017
248	347	256288	-207921.1413	1020757.3170250766	36.76081406398225	-101.5376459	282353.9764387442	4394884.731401197	3486.1825277761085	3273.0939071661085	3171.84306809083	3165.84506607309	101.245005280303	107.24674604879944
249	347	256289	-207261.1413	1020757.3170250766	36.76096594518107	-101.5353027	282555.01136794594	4394880.619634824	3481.413515391334	3271.7241381108133	3172.4235062237963	3166.1161129	99.30063188701706	105.60501166483826
250	347	256290	-206601.1413	1020757.3170250766	36.7610983869705	-101.5329595	282756.0406876265	4394875.615478468	3476.6445028558533	3270.3449718011924	3173.060672918426	3163.964358533373	104.48150724958139	104.48150724958139
251	347	256291	-205941.1413	1020757.3170250766	36.7612389694162	-101.5306164	282957.0808941716	4394872.412266047	3471.8505735291633	3268.951689732711	3173.9161301018494	3165.9259813086183	94.03559693086183	103.0257030806183
252	347	256292	-205281.1413	1020757.3170250766	36.7613808992629	-101.5282732	283158.1148874402	4394868.39015311	3467.03172181623	3264.542280459943	3174.4323537417947	3163.9061056205095	93.1117430419952	103.08841224548473
253	347	256293	-204621.1413	1020757.3170250766	36.7615214764363	-101.525958	283359.1486976384	4394864.205969621	3462.212680610887	3258.1225615090895	3175.145921760074	3162.9574683675903	90.7657468308232	103.08841224548473
254	347	256294	-203961.1413	1020757.3170250766	36.7616610001738	-101.5235389	283560.1283496758	4394860.103209772	3457.3400345405554	3254.2867315024097	3176.584450046938	3160.05531596809	89.10228145546989	104.04317395560653
255	347	256295	-203301.1413	1020757.3170250766	36.7618010277301	-101.5212437	283761.2164895368	4394856.005054446	3452.57026378477989	3252.7624193205891	3176.22193205891	3157.236380042487	87.0129327	106.0004053742026
256	347	256296	-202641.1413	1020757.3170250766	36.7619404918725	-101.5189005	283962.24993185786	4394851.898	3447.742952339744	3250.772834379475	3177.1065706436564	3154.212116698709	84.6662372761812	107.65071740426538
257	347	256297	-201981.1413	1020757.3170250766	36.76207925834426	-101.5165574	284163.907818296	4394847.796241158	3442.95181227786	3246.90012239138	3178.427890480805	3151.25420355488	81.887127582433	109.0780028365004
258	347	256298	-201321.1413	1020757.3170250766	36.76221757145056	-101.5142142	284364.31791796085	4394843.69428174	3438.087409187718	3258.804898563797	3180.18471781	3147.955376735638	78.6617813	110.84811312072588
259	347	256299	-200661.1413	1020757.3170250766	36.7623554327515	-101.511871	284565.348896575	4394839.5975126	3437.04110830572	3257.298470104397	3182.698163800924	3145.216089419173	74.64036030437315	112.0240064867967
260	347	256300	-200001.1413	1020757.3170250766	36.7624928417336	-101.5095728	284766.38158032824	4394835.491359998	3422.916286171694	3255.782339116646	3185.970457084622	3143.0330267793574	69.8118821320237	112.7282771180825
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262	347	256302	-198681.1413	1020757.3170250766	36.7627663006356	-101.5048415	285168.4413520475	4394827.28935483	3405.9063653877	3252.73276486070	3190.4349530143873	3148.1173282441	59.87191727	104.615426
263	347	256303	-198021.1413	1020757.3170250766	36.7629023510785	-101.5024893	285369.48076902704	4394823.18866079	3400.262530194649	3251.1990323448424	3198.2849607202924	3147.594105915291376	52.91412562453206	102.18911731566887
264	347	256304	-197361.1413	1020757.3170250766	36.7630374884847	-101.5001551	285570.508640446	4394818.00808565	3397.4791415129628	3249.689851572985	3195.4249651206845	3147.2454613466315	42.3131216069217	103.1312609217
265	347	256305	-196701.1413	1020757.3170250766	36.76317330934676	-101.497812	285771.513484657	4394810.98726941	3394.69572896103	3248.112837153068	3188.5221956722075	3147.005447479885	39.6057299331576	105.95057299331576
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268	347	256308	-194721.1413	1020757.3170250766	36.7635758132017	-101.4907824	286374.63472121004	4394802.6854792	3386.442169209878	3243.42169209878	3171.598586041426	3151.31637691097	74.831010404515	112.12580211790959
269	347	256309	-194061.1413	1020757.3170250766	36.7637091476063	-101.4884393	286575.654413045	4394798.93829126	3383.72856022666	3241.875793	3169.043683257997	3167.655505939425	71.8234516700308	74.22024026
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272	347	256312	-192081.1413	1020757.3170250766	36.7641064347524	-101.4814097	287178.756282012	4394786.293	3376.2180227467675	3237.160980557623	3132.929139429158	3136.514429637579	104.2184911470707	100.6465542004402
273	347	256313	-191421.1413	1020757.3170250766	36.76423795944826	-101.4796667	287378.7861440965	4394782.19434262	3374.051918975154	3235.587162774144	3132.0758226154573	3133.0133256246874	103.5891969167596	103.5891969167596
274	347	256314	-190761.1413	1020757.3170250766	36.764369285147	-101.4775723	287578.7869295147	4394780.709175825	3371.6440170430493	3234.07174423012	3132.074429551803	3132.074429551803	101.254651406103	104.2184911470707
275	347	256315	-190101.1413	1020757.3170250766	36.7644996478715	-101.4743802	287781.8452	4394783.998258163	3370.113618182146	3232.440504896387	3131.722205067376	3132.71619021732942	115.12634249209113	104.8300233572445
276	347	256316	-189441.1413	1020757.3170250766	36.7646298135533	-101.472037	287982.87447867496	4394769.90537206	3369.338248420291	3230.88342840291	3132.783730182555	3125.52317401402033	105.1351091420035	105.1351091420035
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279	347	256319	-187461.1413	1020757.3170250766	36.76500175942545	-101.4650074	288588.960401573	4394757.60807808	3366.367923	3226.214123703537	3098.0742313083347	3115.61142459781	101.37108349916	110.5998777265491
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281	347	256321	-186141.1413	1020757.3170250766	36.7652538518199	-101.460321	288988.017542833	4394749.416	3363.767882797827	3222.417765184526	3104.611032478645	3111.59107762832	101.37108349916	110.5998777265491
282	347	256322	-185481.1413	1020757.3170250766	36.76540130144325	-101.4579778	289189.0453410574	4394745.31392076	3325.143410097467	3221.037088597277	3090.653923456576	3107.7913468491	100.919516470103	113.835953127599
283	347	256323	-184821.1413	1020757.3170250766	36.7655282983892	-101.4556346	289390.03731804227	4394741.22350638	3320.03665596926	3220.03665596926	3107.955745029898	3107.955745029898	100.919516470103	113.835953127599
284	347	256324	-184161.1413	1020757.3170250766	36.7656544625679	-101.4532915	289591.100995309	4394737.17423733	3318.034863579933	3218.560135907689	3090.187012817962	3107.442124560801	100.919516470103	113.835953127599
285	347	256325	-183501.1413	1020757.3170250766	36.7657857809	-101.4509483	289792.128626082	4394733.032	3316.981916252757	3089.8585046010535	3106.30247649903	3122.1238710242221	100.919516470103	113.835953127599
286	347	256326	-182841.1413	1020757.3170250766	36.76590505731618	-101.4486051	289993.154300062	4394728.3366304	3315.939776190628	3215.464357981206	3089.26850204778	3104.69142776772	100.919516470103	113.835953127599
287	347	256327	-182181.1413	1020757.3170250766	36.76602439823431	-101.446264	290194.1635453259	4394724.01682142	3314.907382797827	3214.417765184526	3104.611032478645	3111.59107762832	100.919516470103	113.835953127599
288	347	256328	-181521.1413	1020757.3170250766	36.7661549031718	-101.4439187	290395.20924159631	4394720.76443698	3313.67089821807	3212.455718175375	3087.29612513391	3104.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.ft	W.Lt.	BRIEValKgr.ft	BRIEValBothKgr.ft	SatThBothKgr.ft
371	347	256411	-126741.1413	1020757.310250766	36.6774931390663	-101.2494309	307079.7325636627	4394381.6762914555	31.24128193	3062.334742327817	3006.710562351665	3007.0496762214056	75.62418008111672
372	347	256412	-126801.1413	1020757.310250766	36.6750186285725	-101.2470877	30780.7470535323	4394377.600821798	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	73.86789012640364
373	347	256413	-126421.1413	1020757.310250766	36.67519428196305	-101.2447444	30781.7526970126	4394375.525345143	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	72.72043535428063
374	347	256414	-124761.1413	1020757.310250766	36.6751900843936	-101.2424011	30782.7626890087	4394369.5504573493	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	70.5342706053245
375	347	256415	-124011.1413	1020757.310250766	36.67527543409624	-101.2400579	30783.7722319017	4394365.375796678	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	69.1028011
376	347	256416	-123441.1413	1020757.310250766	36.6753603311027	-101.2377146	308084.781766631	4394361.301251261	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	67.740782075941
377	347	256417	-122781.1413	1020757.310250766	36.6754447754123	-101.2353714	308285.7910239585	4394357.26286363	31.61523017120717	3007.866935968315	3006.99913	3007.0360963684036	66.1220639805269
378	347	256418	-122121.1413	1020757.310250766	36.6755287670255	-101.2330281	308486.800939335	4394353.125862991	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	65.18190544875379
379	347	256419	-121461.1413	1020757.310250766	36.6756123594165	-101.2306486	308687.8068768155	4394349.079003253	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	64.18408177996107
380	347	256420	-120891.1413	1020757.310250766	36.6756953921609	-101.2283416	308888.8176720955	4394345.05379922	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	64.18408177996107
381	347	256421	-120141.1413	1020757.310250766	36.67577802568315	-101.2259983	309089.8261821157	4394340.93187884	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	63.1261281883994
382	347	256422	-119481.1413	1020757.310250766	36.675796025050786	-101.2236551	309290.83504504916	4394336.85828904	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	62.15617242757
383	347	256423	-118821.1413	1020757.310250766	36.67579419343635	-101.2213118	309491.8426515132	4394332.785899252	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	61.1495681419915
384	347	256424	-118161.1413	1020757.310250766	36.6776023100649	-101.2189686	309692.85059201426	4394328.713201336	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	60.2927490204874
385	347	256425	-117501.1413	1020757.310250766	36.6761043527917	-101.2166253	309893.8598365616	4394324.60734352	30.89505935	3071.8048859757782	3006.226505270245	3006.343590328941	59.3734075453034
386	347	256426	-116841.1413	1020757.310250766	36.6761844023605	-101.214282	31004.8693534553	4394320.56840898	31.08430247914638	3059.484563796489	2992.20527580217	2998.581204113757	60.89643385113344
387	347	256427	-116181.1413	1020757.310250766	36.6762634021669	-101.211888	310295.8732919263	4394316.496	31.24160287278337	3057.963156790330	2989.666716419216	2999.055682094	58.4758106128225
388	347	256428	-115521.1413	1020757.310250766	36.6763743784004	-101.2095955	31046.8005374977	4394312.424718784	31.40409401873072	3056.485328139254	2987.100325499415	2992.10755624094	54.273016481075956
389	347	256429	-114861.1413	1020757.310250766	36.6764279674366	-101.2072523	310687.88756077073	4394308.35175525	31.65685158983103	3043.641494838021	2984.256776806313	3007.407367899126	70.68472208
390	347	256430	-114201.1413	1020757.310250766	36.6765013598455	-101.204909	310898.9436291265	4394304.28186309	31.72907629835483	3053.441035698716	2981.4822461627896	3007.499624186055	45.9414018981635
391	347	256431	-113541.1413	1020757.310250766	36.6765765265244	-101.2026567	311099.9010530406	4394300.21704841	31.75935767184233	3051.9497798482287	2978.7320436425967	3007.3034968137	42.7165564203697
392	347	256432	-112881.1413	1020757.310250766	36.676651163695	-101.2002225	311300.367524499	4394296.139393712	31.86742927663304	3050.470141249484	2976.70406361736067	2996.781710138362	40.6455052558993
393	347	256433	-112221.1413	1020757.310250766	36.6767269175136	-101.1978792	31147.878460184	4394292.38810945	31.87615468991754	3049.244681575565	2974.918516686814	2996.781710138362	38.48014165844347
394	347	256434	-111561.1413	1020757.310250766	36.6768011055956	-101.1955359	311702.919088482	4394287.99821831	31.85453724871342	3047.5542732733616	2970.830270900447	2988.839167128574	37.16214671
395	347	256435	-110901.1413	1020757.310250766	36.6768873617043	-101.1931927	311903.9258262486	4394283.762366315	31.67419947077373	3046.121030292119	2967.783073967113	2986.631167349613	35.9726653240075
396	347	256436	-110241.1413	1020757.310250766	36.67769630247503	-101.1908494	312104.9315600593	4394279.85836327	31.59363184097535	3044.76012608805	2965.654237715837	2985.052170530081	30.795102437
397	347	256437	-109581.1413	1020757.310250766	36.67770385909705	-101.1885061	312305.937110489	4394273.89139825	31.564271194909	3043.30916758465	2963.526477996123	2983.81234114019	79.083299734405
398	347	256438	-108921.1413	1020757.310250766	36.6777113327439	-101.1861629	312506.94477323	4394271.72	31.85474658141714	3041.932831	2962.3323048157	2981.865194152507	79.5500009
399	347	256439	-108261.1413	1020757.310250766	36.677718801769586	-101.1838196	312707.9476620073	4394267.67662073	31.87615468991754	3040.244681575565	2961.918516686814	2996.781710138362	61.57386513460233
400	347	256440	-107601.1413	1020757.310250766	36.6777697679375	-101.1814763	312907.825016375	4394263.581435196	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	58.4758106128225
401	347	256441	-106941.1413	1020757.310250766	36.6777336294854	-101.1791331	313109.958248566	4394231.62169255	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	56.1719671169904
402	347	256442	-106281.1413	1020757.310250766	36.67774481430478	-101.1767898	313310.9621190594	4394225.44119438	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	54.273016481075956
403	347	256443	-105621.1413	1020757.310250766	36.6777481430478	-101.1744645	313511.965735046	4394251.37807731	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	52.675263919754
404	347	256444	-104961.1413	1020757.310250766	36.6777535361921	-101.1721033	313712.970864104	4394247.30772694	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	50.960562281382
405	347	256445	-104301.1413	1020757.310250766	36.6777625026665	-101.169976	313913.974936789	4394234.23967618	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	48.7447049888327
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407	347	256447	-102981.1413	1020757.310250766	36.67777676	-101.1650735	314315.9825739425	4394236.10868526	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	44.7447049888327
408	347	256448	-102321.1413	1020757.310250766	36.67778301069445	-101.1627302	314516.9610273227	4394231.07310588	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	42.7165564203697
409	347	256449	-101661.1413	1020757.310250766	36.6777907686348	-101.1603869	314717.9894861843	4394226.9703834	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	40.6455052558993
410	347	256450	-101001.1413	1020757.310250766	36.67779747387366	-101.1580436	314918.9926717926	4394222.904	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	38.48014165844347
411	347	256451	-100341.1413	1020757.310250766	36.67780465241086	-101.1557004	31519.9796768163	4394218.83721126	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	36.1719671169904
412	347	256452	-99681.1413	1020757.310250766	36.6781152506461	-101.1535371	315310.958060703	4394214.71	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	34.7447049888327
413	347	256453	-99021.1413	1020757.310250766	36.678126296781	-101.1513792	31549.9796768163	4394214.71	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	32.7165564203697
414	347	256454	-98361.1413	1020757.310250766	36.6781372069471	-101.1496708	315723.036095921	4394210.63908005	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	30.795102437
415	347	256455	-97701.1413	1020757.310250766	36.6781382095414	-101.1463273	315924.0589433685	4394202.574065004	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	28.7447049888327
416	347	256456	-97041.1413	1020757.310250766	36.6781382095414	-101.143984	316115.0890955165	4394208.50765055	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	26.719671169904
417	347	256457	-96381.1413	1020757.310250766	36.67814513349274	-101.1416407	316326.010255429	4394194.34686898	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	24.7447049888327
418	347	256458	-95721.1413	1020757.310250766	36.6781571284561	-101.1392975	316527.0117274994	4394190.378817976	31.85453724871342	3039.241682116584	2962.921028187955	2974.918516686814	22.7165564203697
419	347												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BREIEWtKg.frt	BREIEWtKg.frt	SatHtLg.frt	SatHtBoth.frt	
497	347	256537	-43581.14133	102575.7310250766	36.7822914754647	-100.9541776	332405.601643433	433869.9837545865	3059.6097557034586	2506.3936159096443	2855.612198	2852.359132572136	50.78141811770409	54.0344833750839
498	347	256538	-43592.14133	102575.7310250766	36.7823211425598	-100.9518343	332606.595374465	433869.9837	3061.94619313697	2506.3936159096443	2855.736872021176	2855.689268330674	48.83366750569486	51.88070119619442
499	347	256539	-43603.14133	102575.7310250766	36.78235095620495	-100.948481	332807.577611184	433869.9837	3062.948118692404	2506.3936159096443	2856.720293997989	2856.50033997989	47.03179087262096	50.25427798134136
500	347	256540	-43614.14133	102575.7310250766	36.7823791185904	-100.9471477	33309.565466177	433857.8451584075	3063.285918213627	2500.944064620496	2855.5124055508902	2852.989785124051	45.9451920056189515	47.94654837390959
501	347	256541	-43624.14133	102575.7310250766	36.7824074275454	-100.9484804	333209.5530314664	433863.7994232635	3061.735848492098	2899.132626471024	2855.0746386716182	2854.3689204148324	45.0798827548415	47.94654837390959
502	347	256542	-43634.14133	102575.7310250766	36.782433283042	-100.9424611	333410.5407184455	433849.3935104212	3061.811258874608	2897.2160408056306	2854.371046456875	2854.005060909746	42.94589434934046	41.3068017603269965
503	347	256543	-43644.14133	102575.7310250766	36.7824586238735	-100.9401178	333611.52785208856	433845.708639383	3058.744554539665	2895.49523758609	2853.32567460381	2851.796292961232	42.16996262317136	43.6989442959688
504	347	256544	-43654.14133	102575.7310250766	36.7824893816294	-100.9377745	333812.514970094	433841.633699905	3044.20505556966	2893.665111221563	2851.842760132942	2848.951266720372	41.82225108862096	47.13844511898934
505	347	256545	-43664.14133	102575.7310250766	36.7825161927715	-100.9352419	334013.5019268717	433837.81776872	3048.087146663749	2894.826433942158	2848.743121971006	2847.062747788795	42.06821551710955	45.76324061553623
506	347	256546	-43674.14133	102575.7310250766	36.7825421816804	-100.9330379	334214.4887256193	433833.574190695	3045.77435705293	2899.077403811358	2847.752442556581	2844.54579519899	42.72259791517447	45.43160396124675
507	347	256547	-43684.14133	102575.7310250766	36.7825678	-100.9307446	334415.475361747	433829.52833668	3040.71146607303	2881.1896933822	2844.577961937655	2844.281464898045	40.500176316543	45.8348272834149
508	347	256548	-43694.14133	102575.7310250766	36.7825929143565	-100.9284012	334616.461837364	433825.485170834	3040.90621873305	2886.24996147885	2842.077360442847	2840.1748755658664	41.72901505037164	46.075086382018526
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510	347	256550	-43714.14133	102575.7310250766	36.7826413183065	-100.9237146	335014.30434767965	433817.398145426	3023.302973604527	2882.491761234633	2837.8704842559114	2836.451063814816	44.60898197	46.02756927664472
511	347	256551	-43724.14133	102575.7310250766	36.782666190421	-100.9213713	335219.4200319077	433813.354708771	3017.6838841113267	2880.57439364666	2836.054156175346	2834.79731	45.811280286747	45.7811280286747
512	347	256552	-43734.14133	102575.7310250766	36.7826889471824	-100.919028	335420.4061388122	433809.3115510774	3012.24852959211	2878.66611979787	2834.805963970088	2833.372331381785	45.8607480970073	45.29407819783366
513	347	256553	-43744.14133	102575.7310250766	36.7827118236162	-100.9166847	335622.3918149488	433805.269	3006.813147404796	2876.742764204947	2833.025273871614	2832.737682774934	43.7174804223336	45.0099982749531
514	347	256554	-43754.14133	102575.7310250766	36.7827342473315	-100.9134314	335822.3733181013	433801.225777946	3001.37781950527057	2831.422196412826	2830.136201171912	2830.382140808795	44.66997327139346	44.66997327139346
515	347	256555	-43764.14133	102575.7310250766	36.78275621834004	-100.9119981	336023.3626895905	433797.18260695	2998.834582132657	2872.85519676643	2829.48077722553	2828.5011713480962	43.0476219540912	44.359483254672
516	347	256556	-43774.14133	102575.7310250766	36.78277777366375	-100.9096548	336224.3748885197	433793.731	2996.1827910119645	2870.889357489642	2828.14779206232	2826.809181498584	42.7415784960246	44.08023943010589
517	347	256557	-43784.14133	102575.7310250766	36.7827980222222	-100.9073115	336425.332987877	433789.08919566	2996.53123260043	2868.907489424765	2826.72995034866	2825.0365874310846	42.17896959738745	43.8711591139185
518	347	256558	-43794.14133	102575.7310250766	36.7828291511001	-100.9049862	336623.3170105094	433785.05708789	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
519	347	256559	-43804.14133	102575.7310250766	36.782850972684	-100.9026419	336820.298341574	433781.05217278	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
520	347	256560	-43814.14133	102575.7310250766	36.782850972684	-100.9002816	337028.207956776	433776.574	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
521	347	256561	-43824.14133	102575.7310250766	36.7828785374617	-100.8979383	337229.2157036237	433772.92832938	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
522	347	256562	-43834.14133	102575.7310250766	36.7828973394934	-100.895595	337430.2557547124	433778.82	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
523	347	256563	-43844.14133	102575.7310250766	36.7829155888141	-100.8932517	337631.2388504707	433774.851395813	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
524	347	256564	-43854.14133	102575.7310250766	36.7829335842376	-100.8909804	337832.2337584621	433770.81046717	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
525	347	256565	-43864.14133	102575.7310250766	36.7829510282224	-100.8886218	338024.311785459	433766.17377374	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
526	347	256566	-43874.14133	102575.7310250766	36.7829692405965	-100.8863875	338224.311785459	433762.17377374	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
527	347	256567	-43884.14133	102575.7310250766	36.7829865858956	-100.8841875	338425.1746504522	433758.4861	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
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529	347	256569	-43904.14133	102575.7310250766	36.7830162778041	-100.8791919	338827.31114174285	433750.612147322	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
530	347	256570	-43914.14133	102575.7310250766	36.7830314581461	-100.8768486	339028.1342107094	433746.570367638	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
531	347	256571	-43924.14133	102575.7310250766	36.7830461857799	-100.8745053	339229.0648685115	433742.534235927	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
532	347	256572	-43934.14133	102575.7310250766	36.7830614092967	-100.872162	339427.0495241572	433738.495421294	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
533	347	256573	-43944.14133	102575.7310250766	36.7830742894064	-100.8698187	339624.0716233078	433734.45267176	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
534	347	256574	-43954.14133	102575.7310250766	36.7830876524017	-100.8674753	339824.055437395	433730.419090713	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
535	347	256575	-43964.14133	102575.7310250766	36.7831005691867	-100.865132	340024.0367574504	433726.3812681	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
536	347	256576	-43974.14133	102575.7310250766	36.7831130332601	-100.8627887	340224.0182241573	433722.343	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
537	347	256577	-43984.14133	102575.7310250766	36.7831250462255	-100.8604454	340425.00273274283	433718.306012794	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
538	347	256578	-43994.14133	102575.7310250766	36.78313560327305	-100.8581021	340625.0648685115	433714.37351177103	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
539	347	256579	-44004.14133	102575.7310250766	36.7831461857799	-100.8557618	340825.0648685115	433710.44007177103	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
540	347	256580	-44014.14133	102575.7310250766	36.7831583623939	-100.8534155	341025.0648685115	433706.500135158	2996.879656183367	2866.9130414008753	2824.792311655931	2823.021210688344	42.18002556257875	43.88910332
541	347	256581	-44024.14133	102575.7310250766	36.7831686259574	-100.8								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevWt.kg.f	SatThkLog.s	SatThkBoth.f
623	347	256663	39576.85867307335	1020757.3170250766	36.78246444	-100.6589212	357928.8896869666	4393361.942325071	2843.3680535533545	2693.367407	2705.6198905702354	2705.7899189544713	0	0
624	347	256664	40238.85867307335	1020757.3170250766	36.7824370527972	-100.6566579	357929.8589408061	4393357.544533096	2842.23366462025	2691.3678077484207	2702.3152152269607	2702.4852000682393	0	0
625	347	256665	40898.85867307335	1020757.3170250766	36.7824972529814	-100.6542436	358130.6289579783	4393373.90749602781	2845.09867373271	2690.3938486077949	2698.92246777949	2698.92246777949	0	0
626	347	256666	41558.85867307335	1020757.3170250766	36.782380405477765	-100.6518913	358331.707309619	439349.8904764	2845.96048623675	2691.1448704877396	2691.61555660733	2695.633325731766	0	0
627	347	256667	42218.85867307335	1020757.3170250766	36.78235223111546	-100.649548	358532.76588413806	439335.873657393	2844.89452377177	2687.684023858416	2691.7683087309956	2691.8877215442385	0	0
628	347	256668	42878.85867307335	1020757.3170250766	36.7823230774035	-100.6472047	358733.7459341587	4393341.857055688	2841.89705827616	2686.249169944363	2687.923011063608	2688.16703385012	0	0
629	347	256669	43538.85867307335	1020757.3170250766	36.7822933896608	-100.6448614	358934.70316710084	4393337.8408331855	2838.899664215646	2684.812531262546	2684.298278655016	2684.5290843662503	0.514225067301248	0.283446259614601
630	347	256670	44198.85867307335	1020757.3170250766	36.7822632986535	-100.6425181	359126.6717052981	4393333.8424537337	2835.902721564268	2683.7362327448974	2680.733709100655	2681.0569593159435	0.5426135742426595	0.2319367358636973
631	347	256671	44898.85867307335	1020757.3170250766	36.7822352353511	-100.6401746	359330.6060084119	4393329.908622207	2834.067165471103	2681.9436397986164	2677.75583	2678.004865529835	0.5426135742426595	0.2319367358636973
632	347	256672	45518.85867307335	1020757.3170250766	36.78220175913898	-100.6378315	359537.50817564043	4393325.79236091	2835.014331761796	2680.5157779794245	2677.8190325263	2675.84874712093	0.506574953801446	0.45673007845534
633	347	256673	46178.85867307335	1020757.3170250766	36.7821703102173	-100.6354882	359835.5762099165	4393321.747748683	2834.021153867249	2679.0945631761256	2674.043841	2674.623635278033	0.505072223558415	0.446819764834567
634	347	256674	46838.85867307335	1020757.3170250766	36.782138408587	-100.6331449	359939.5441087173	4393317.762250067	2835.828257563719	2677.681215009642	2673.400531222093	2674.285674	0.28063687549299	0.395540918952065
635	347	256675	47498.85867307335	1020757.3170250766	36.7821060504445	-100.6308016	360140.158173263	4393317.742520528	2835.956613	2676.2771271340007	2673.433602928704	2674.097473982675	0.2863424025286733	0.3679891513249648
636	347	256676	48158.85867307335	1020757.3170250766	36.7820723471939	-100.6284583	360341.479603455	4393309.372	2835.8051989192318	2674.884488053314	2673.531702965071	2674.4948644166245	1.352745840260468	0
637	347	256677	48818.85867307335	1020757.3170250766	36.7820399874338	-100.626115	360542.4469997989	4393305.717368911	2835.6537849144843	2673.504533642001	2673.9164146994533	2675.40325848822	0	0
638	347	256678	49478.85867307335	1020757.3170250766	36.7820063	-100.6237717	360743.1418264003	4393301.70323839	2835.50237099777	2672.138851884912	2674.09383098908	2675.69188126299	0	0
639	347	256679	50138.85867307335	1020757.3170250766	36.7819721097852	-100.6214284	360944.381591487	4393297.689638196	2835.274234795363	2670.7898952998785	2671.0410264788702	2675.54250915562	0	0
640	347	256680	50798.85867307335	1020757.3170250766	36.7819419718969	-100.6190851	361145.3486872076	4393295.75682592	2829.027842623783	2669.4600808476803	2674.04209468287	2675.189503310316	0	0
641	347	256681	51458.85867307335	1020757.3170250766	36.7819024212994	-100.6167418	361346.3156488234	4393289.660255299	2824.761962	2668.1502907681474	2673.848023937904	2674.6974973276701	0	0
642	347	256682	52118.85867307335	1020757.3170250766	36.7818668979976	-100.6143985	361547.28247852065	4393285.648656728	2820.49608912577	2666.861556	2673.2150993241507	2674.6544611403304	0	0
643	347	256683	52778.85867307335	1020757.3170250766	36.781818309	-100.6120562	361748.2941765071	4393281.63486872	2818.507303893286	2665.798320334261	2672.380844165116	2672.5455571428665	0	0
644	347	256684	53438.85867307335	1020757.3170250766	36.781794325251	-100.6097119	361949.2154098828	4393277.622545721	2816.79653054846	2664.3796175797	2671.4054744391315	2671.143335	0	0
645	347	256685	54098.85867307335	1020757.3170250766	36.7817681181815	-100.6073687	362150.1821731871	4393273.509847213	2815.921427111815	2670.484732176874	2670.616759138924	2671.7508273587278	0.108170530505454	0
646	347	256686	54758.85867307335	1020757.3170250766	36.781720277659	-100.6050253	362351.14847253695	4393269.59734509	2819.374833966479	2661.92402017339	2668.952787392374	2668.150582710523	0	0
647	347	256687	55418.85867307335	1020757.3170250766	36.781682490245	-100.602682	362552.11464145535	4393265.585094424	2816.46269659607	2660.747687137666	2667.363904731801	2666.472272300287	0	0
648	347	256688	56078.85867307335	1020757.3170250766	36.78164425126425	-100.6003387	362753.0806779729	4393261.57306011	2810.361114158026	2659.5958581851	2665.647714179343	2664.726741093835	0	0
649	347	256689	56738.85867307335	1020757.3170250766	36.781605589955	-100.5979954	362954.0658830128	4393257.561270258	2804.255968978976	2658.469482	2663.4689083835337	2663.097542837073	0	0
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651	347	256691	58038.85867307335	1020757.3170250766	36.7815285633215	-100.5933088	363355.8725967837	4393249.4358	2794.854519148687	2656.295198302672	2659.835818025672	2659.5819325672	0	0
652	347	256692	58698.85867307335	1020757.3170250766	36.781486750579	-100.5910045	363545.1821133757	4393245.203655184	2794.362803655184	2655.2435182024	2657.62480518254	2656.56658509729	0	0
653	347	256693	59378.85867307335	1020757.3170250766	36.78144626283236	-100.5886222	363757.08992533	4393241.516356882	2793.88167670337	2654.226912173645	2655.565515542567	2656.798101870811	0	0
654	347	256694	60038.85867307335	1020757.3170250766	36.78144053	-100.5862789	363968.8741432801	4393237.505711097	2795.2337482755584	2654.1593278397368	2655.082785108011	2655.082785108011	0	0
655	347	256695	60698.85867307335	1020757.3170250766	36.78136339	-100.5839356	364159.83062378906	4393234.49528126	2794.48073430681	2652.2683990103424	2652.48266124512	2653.480966313227	0	0
656	347	256696	61358.85867307335	1020757.3170250766	36.781323277756	-100.5815923	364360.804254591	4393229.485	2794.07407113109	2651.304166934596	2650.819614622436	2651.6972423886727	0.5106002710235771	0
657	347	256697	62018.85867307335	1020757.3170250766	36.7812797232423	-100.5794249	364561.78914400236	4393225.4751818965	2793.63248473941	2649.0198083210836	2648.1488304320205	2649.88068390746	1.720248683905522	0.438391922
658	347	256698	62678.85867307335	1020757.3170250766	36.781236549914	-100.5770597	364762.733495231	4393219.46537587	2796.2542517303703	2649.5349777714	2647.48289	2649.47021778303	0.5106002710235771	0
659	347	256699	63338.85867307335	1020757.3170250766	36.7811937374329	-100.5759258	364963.6984475227	4393217.458687124	2794.352181832403	2648.675487796812	2645.905268012872	2645.905268012872	0.2217094177389205	0
660	347	256700	63998.85867307335	1020757.3170250766	36.781150056289	-100.5722192	365164.6629	4393213.44685042	2792.011536421627	2647.842954756392	2643.8185049295757	2644.498307948956	0.4244867263567	0.33441232074358
661	347	256701	64658.85867307335	1020757.3170250766	36.781105045223	-100.5698759	365365.6627232966	4393209.47529532	2792.078708101727	2647.0373768139	2641.663506067278	2642.60583794366	0.537817615	0.44315043308721
662	347	256702	65318.85867307335	1020757.3170250766	36.78106164	-100.5675326	365566.591	4393205.42710357	2787.33024508983	2646.256436902301	2639.555271081464	2640.595511148019	0.7007205208731	0.60047994
663	347	256703	65978.85867307335	1020757.3170250766	36.7810163326663	-100.5651893	365767.5556387256	4393201.42011695	2786.2154250818835	2645.499519052979	2637.490079113305	2637.490079113305	0.00092394	0.602590425824834
664	347	256704	66638.85867307335	1020757.3170250766	36.780970489768	-100.562846	365988.51962147495	4393197.41173203	2786.32642909537	2644.760332737382	2636.307147719587	2641.00540658222	0.42895706	0
665	347	256705	67298.85867307335	1020757.3170250766	36.7809265542708	-100.560449	366202.26364712356	4393189.358975921	2784.62541525595	2643.64547825255	2634.58087782553	2634.58087782553	0.176827354443893	0
666	347	256706	67958.85867307335	1020757.3170250766	36.780878256705	-100.5581594	366430.4407552304	4393189.39564919	2786.584382076923	2643.668559491744	2631.600022384624	2631.600022384624	0.177716907505272	0
667	347	256707	68618.85867307335	1020757.3170250766	36.7808316850564	-100.5558161	366571.402601648	4393185.38001529	2785.535337788874	2642.699840154061	2630.001410638765	2630.386581365602	0.126849251782376	0.123125878850661
668	347	256708	69278.85867307335	1020757.3170250766	36.7807843913472	-100.5534728	366772.374071252	4393183.3804628	2784.023621961541	2628.43404820153	2629.425814614297	2631.9137148179	0.126491683113128	0
669	347	256709	69938.85867307335											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
1	348	256789	-365661.1413	102.14173.310250766	36.67319300296179	-102.097861	234304.1949650917	4396073.585	3633.6236698073375	3577.2560073115915	3495.244141225389	3494.8018219414307	62.01186608020265	62.4541857016078
2	348	256790	-365601.1413	102.14173.310250766	36.67321800016295	-102.0953181	234505.29664132184	4396069.42543937	3626.500913716014	3550.65391714842	3484.879231445954	3484.283857	60.76073507336195	61.7405789
11	348	256791	-365611.1413	102.14173.310250766	36.673239307676	-102.0939751	234706.3780545682	4396061.35081358	3628.927808914816	3552.89136775234	3494.245314102091	3493.633480516947	58.594325382711056	59.2034171405789
12	348	256792	-365681.1413	102.14173.310250766	36.67323980384833	-102.096332	234907.64080947878	4396061.106517321	3640.865024913704	3553.617072484335	3493.517019259421	3492.48418803451	57.12026361382276	57.12026361382276
13	348	256793	-366302.1413	102.14173.310250766	36.6732926029245	-102.0882893	235108.56009281607	4396066.54734059	3652.80754083959	3548.3747593486687	3492.6445586130058	3492.5768058242624	55.73302073566295	55.79795346616629
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22	348	256802	-357081.1413	102.14173.310250766	36.6735121662423	-102.0672029	236918.3663003021	4396019.525392362	3625.174054937164	3527.5514683280103	3483.4396723475683	3483.022662	44.1159590844196	44.52880651628038
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29	348	256809	-352461.1413	102.14173.310250766	36.673685841827985	-102.0508023	238325.9757433345	4395990.43254011	3578.1958678251164	3510.27158921164	3473.107546672986	3473.107546672986	37.1454035	37.6083891
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52	348	256832	-337281.1413	102.14173.310250766	36.674229540587216	-101.996911	242950.9021982874	4395894.922320691	3468.821582190816	3455.5740439621307	3430.80426689686	3430.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgs.ft	BRiElevBothKgs.ft	SurfElev.Kgs.ft	SatBothKgs.ft
132	348	256915	-282501.1413	1021417.310250766	36.7599378368794	-101.8024164	259639.7425148121	4395551.282339837	3592.9696264151607	3331.1689602724776	3321.688622679627	3321.0984071050904	71.48006739285074	72.0702192718716
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163	348	256943	-264021.1413	1021417.310250766	36.7651892581894	-101.7368434	265284.39826041397	4395434.317789208	3535.618177894942	3369.618177894942	3268.569878707458	3268.569878707458	71.44464576520079	81.343151404012085
164	348	256944	-263361.1413	1021417.310250766	36.7653677815757	-101.7344912	265470.39188963175	4395430.059635647	3533.81076495784	3367.81076495784	3266.769597074589	3266.769597074589	71.44464576520079	81.343151404012085
165	348	256945	-262701.1413	1021417.310250766	36.76555472074414	-101.7321481	265671.4542604327	4395427.47036923	3531.5674537014456	3365.305802760694	3265.408152799594	3265.408152799594	71.44464576520079	81.343151404012085
166	348	256946	-262041.1413	1021417.310250766	36.765741727103731	-101.729805	265872.4980474215	4395423.34691409	3529.5405301144546	3363.124219825914	3263.920490199136	3263.920490199136	71.44464576520079	81.343151404012085
167	348	256947	-261381.1413	1021417.310250766	36.76593590864655	-101.7274618	266073.5513200074	4395419.22369138	3527.435205224113	3361.08649	3262.614941885493	3262.614941885493	71.44464576520079	81.343151404012085
168	348	256948	-260721.1413	1021417.310250766	36.766080573826705	-101.7251187	266274.6040192926	4395415.10017051	3525.2447707400533	3359.8869165732	3261.258556754247	3261.258556754247	71.44464576520079	81.343151404012085
169	348	256949	-260061.1413	1021417.310250766	36.7662645423223	-101.7227798	266478.6564538723	4395411.77944428	3523.0543918183992	3358.69820040258	3259.91804687551	3259.91804687551	71.44464576520079	81.343151404012085
170	348	256950	-259401.1413	1021417.310250766	36.7664524054422	-101.7204324	266676.708	4395408.854201397	3521.564214121013	3357.564214121013	3258.764509345082	3258.764509345082	71.44464576520079	81.343151404012085
171	348	256951	-258741.1413	1021417.310250766	36.7666201951961	-101.7188838	266877.706664253	4395402.73128985	3519.85856410104	3356.433136037902	3257.4453023736902	3257.4453023736902	71.44464576520079	81.343151404012085
172	348	256952	-258081.1413	1021417.310250766	36.76679474211938	-101.7157462	267078.8124280819	4395398.61107016	3517.278304226208	3354.2014114151447	3256.2641471586573	3256.2641471586573	71.44464576520079	81.343151404012085
173	348	256953	-257421.1413	1021417.310250766	36.7669742	-101.713403	267279.8639601696	4395394.48924123	3515.61819435102	3353.196416785313	3255.21964880232	3255.21964880232	71.44464576520079	81.343151404012085
174	348	256954	-256761.1413	1021417.310250766	36.7671567821916	-101.7110599	267480.915262893	4395390.367610025	3513.95798447582	3351.0698771003313	3254.093429885364	3254.093429885364	71.44464576520079	81.343151404012085
175	348	256955	-256101.1413	1021417.310250766	36.7673326672463	-101.7087167	267681.9633647225	4395386.2990552	3513.0709991110078	3350.986991110078	3253.986991110078	3253.986991110078	71.44464576520079	81.343151404012085
176	348	256956	-255441.1413	1021417.310250766	36.76751019036158	-101.7063736	267883.0171811002	4395382.12613603	3512.957687177854	3350.986991110078	3253.986991110078	3253.986991110078	71.44464576520079	81.343151404012085
177	348	256957	-254781.1413	1021417.310250766	36.76769119483556	-101.7040324	268087.708	4395380.854201397	3512.957687177854	3350.986991110078	3253.986991110078	3253.986991110078	71.44464576520079	81.343151404012085
178	348	256958	-254121.1413	1021417.310250766	36.76786181483074	-101.7017678	268285.1181433074	4395373.86306134	3512.729526	3350				

ix	iy	Xc	Y.r	Latitude	Longitude	UTM.Y	Surf.Elev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatHtKgs.f	SatHtBoth.f		
261	348	257041	-199341.1413	1021417.310250766	36.6780975949771554	-01.5072023	264871.52423565125	4395032.679249167	314.287576348403	3325.59884194873265	3186.649406157894	312.508398975906	66.94943579043229	121.09044297323048
262	348	257042	-198681.1413	1021417.310250766	36.67809800403566	-01.5048819	28512.5561624899	4395028.517110055	3406.915196783082	3252.075681206965	3189.482766448437	312.423743823746	62.59480171225274	119.65362344381068
263	348	257043	-198681.1413	1021417.310250766	36.67810336573384	-01.5029169	28323.56767626814	4395024.47730398	3350.580158677731	3190.7534881547256	3140.400259917235	318.787152307407	61.848458606965	119.65362344381068
264	348	257044	-197361.1413	1021417.310250766	36.678116765958706	-01.5001726	28550.61769354057	4395020.376259458	3309.537729674684	3249.016375	3189.9014142062434	314.83421621571195	60.11460651488735	105.18215841110226
265	348	257045	-196701.1413	1021417.310250766	36.67813208081759	-01.4987824	28575.65067773545	4395016.27680755	3396.743490790576	3247.09202994868	3184.5823130399636	314.7796304556493	62.89398605488438	96.6779543837504
266	348	257046	-196041.1413	1021417.310250766	36.6781475404801	-01.4954862	28589.67816717824	4395012.175767255	3345.929455862045	3179.5189744045847	3151.287485804245	316.057009171163	64.9419587701163	94.619587701163
267	348	257047	-195381.1413	1021417.310250766	36.67815717272997	-01.4931429	28617.71263556123	4395008.07988459	3391.984763461644	3244.3774032927	3174.9414202880816	315.5513925282802	61.983520421552	88.8634500401692
268	348	257048	-194721.1413	1021417.310250766	36.678170553733374	-01.4907797	28637.7432995647	4395004.93152244	3380.849754546348	3242.819644509574	3170.841747944754	316.0947452432319	61.9780985023042	82.6239719266053
269	348	257049	-194061.1413	1021417.310250766	36.67818368756826	-01.4886541	28657.73797536796	4394999.877	3381.574474747625	3241.257278289372	3168.183448585385	3162.048640883216	61.9781487239872	75.1187487239872
270	348	257050	-193401.1413	1021417.310250766	36.67819717608458	-01.4861132	28678.9039862532	4394995.77735593	3388.57935044166	3239.6902291614433	3156.580897198746	315.464691732775	61.9781487239872	83.2453742269633
271	348	257051	-192741.1413	1021417.310250766	36.67821041933231	-01.48377	28698.8134	4394991.8305861	3385.91823020485	3238.120342	3147.222608481567	315.9234122290774	60.8480812633929	93.8480812633929
272	348	257052	-192081.1413	1021417.310250766	36.67822361731142	-01.4814267	28712.8639559479	4394987.57487791	3371.70799972323	3236.5492020710244	3136.186627174336	314.2441751240917	60.3625748966833	96.36502604993268
273	348	257053	-191421.1413	1021417.310250766	36.67823677	-01.4790835	28733.8934766819	4394983.894091739	3377.50517470381	3237.50517470381	3129.264255	314.2441751240917	60.3625748966833	100.19661243058954
274	348	257054	-190761.1413	1021417.310250766	36.67824974673685	-01.4767403	28754.2822808515	4394979.3824276915	3373.3023504107286	3233.46892091255	3123.482473680473	3131.49477695427	60.924545263914	101.9121152543702
275	348	257055	-190101.1413	1021417.310250766	36.67826295963682	-01.4743397	28775.765362	4394975.28424659	3368.682539429626	3231.837621	3118.27122983519	3128.609441962387	61.924545263914	102.1261892517238
276	348	257056	-189441.1413	1021417.310250766	36.6782758664122	-01.4720538	28786.9610765393	4394971.186353599	3368.64572506465	3230.2704015026	3113.321486937325	3125.75487622765	61.9403251266348	104.1516151275309
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280	348	257060	-186801.1413	1021417.310250766	36.6783275747109	-01.4626808	28879.01049631355	4394954.797	3343.9713713978	3224.031652944026	3093.068906295055	3112.72653444024	60.924545263914	104.1516151275309
281	348	257061	-186141.1413	1021417.310250766	36.67834036203151	-01.4603375	28892.12291665084	4394950.70066992	3332.92687630483	3222.48936231043	3088.722507811705	3110.58468706349	60.924545263914	104.1516151275309
282	348	257062	-185481.1413	1021417.310250766	36.678353107233076	-01.4579943	28919.150662004	4394946.604064952	3325.767358264875	3220.94859352983	3088.800142466933	3110.034852939677	60.924545263914	104.1516151275309
283	348	257063	-184821.1413	1021417.310250766	36.67836594074574	-01.4556811	28940.39007000371	4394942.680000371	3317.588210619212	3219.944278038954	3088.800142466933	3110.034852939677	60.924545263914	104.1516151275309
284	348	257064	-184161.1413	1021417.310250766	36.67837846	-01.4533078	28955.205340749	4394938.412	3315.07104602567	3217.867019633223	3088.066675794904	3107.947610341303	60.924545263914	104.1516151275309
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287	348	257067	-182181.1413	1021417.310250766	36.678416154747026	-01.446278	29009.298198285	4394926.125054305	3312.1960245892693	3212.8675849724711	3100.8258939876	3106.787290381294	60.924545263914	104.1516151275309
288	348	257068	-181521.1413	1021417.310250766	36.678428628431035	-01.4439348	29039.39129011045	4394922.02949516	3310.031928	3214.813185053247	3087.94578884037	3104.23199066836	60.924545263914	104.1516151275309
289	348	257069	-180861.1413	1021417.310250766	36.67844106	-01.4415918	29060.3390331482	4394918.733507654	3308.64572506465	3213.817621	3118.27122983519	3128.609441962387	61.924545263914	102.1261892517238
290	348	257070	-180201.1413	1021417.310250766	36.678453474574	-01.4392483	29081.3665786155	4394914.7842477	3312.71538	3212.8675849724711	3100.8258939876	3106.787290381294	60.924545263914	104.1516151275309
291	348	257071	-179541.1413	1021417.310250766	36.6784657785016	-01.436905	29102.002391	4394909.760161575	3308.4741819282	3207.304517247855	3082.377875868827	3096.52630767594	60.924545263914	104.1516151275309
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294	348	257074	-177561.1413	1021417.310250766	36.678502519847314	-01.4298752	291605.467364248	4394897.464174439	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
295	348	257075	-176901.1413	1021417.310250766	36.6785145765413	-01.427532	291806.4927094297	4394893.70890759	3306.088182519613	3201.403047059315	3081.85745614541	3101.522995274366	60.924545263914	104.1516151275309
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297	348	257077	-175581.1413	1021417.310250766	36.67853895442181	-01.422854	292208.5424189545	4394885.18418891	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
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301	348	257081	-172941.1413	1021417.310250766	36.67858667	-01.4134724	293012.638863265	4394884.81456928	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
302	348	257082	-172281.1413	1021417.310250766	36.678598565070053	-01.4111291	293213.66251139244	4394884.723	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
303	348	257083	-171621.1413	1021417.310250766	36.67861046390462	-01.4088781	293414.84410912	4394884.53976921	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
304	348	257084	-170961.1413	1021417.310250766	36.678622050670784	-01.4064248	293615.791846854	4394884.53976921	3302.943023020723	3204.841753190897	3080.215299292416	3101.522995274366	60.924545263914	104.1516151275309
305	348	257085	-170301.1413	1021417.310250766	36.6786337547172	-01.4040993	293816.7322							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtBoth.ft
37	251767	-116181.1413		121417.310250766	36.979439437257386	-101.2119491	101029.9527867932	4394517.76094064	5016.9157490154694	366.8452323409244	2989.331982136563	2988.3911512934764	61.57124127268076	58.52410811576376
388	348	251768	-115521.1413	121417.310250766	36.9794473632664	-101.209058	101050.9597510117	4394513.689	5125.3011509890392	305.296724207683	2986.765650732388	3001.0505932985378	58.5330747527016	54.247799091201581
389	348	251769	-114861.1413	121417.310250766	36.9794526832446	-101.193205	111009.0033313539	4394509.43262164	5134.689526896928	305.759859296928	2984.005154877036	2994.2289902902035	59.75434498	49.53236820197961
390	348	251770	-114201.1413	121417.310250766	36.97946314154548	-101.204191	110502.97312457487	4394505.545767808	5136.118812511202	304.750276953772	2987.3727597972	2997.584524635636	57.73444048	48.603311
391	348	251771	-113541.1413	121417.310250766	36.97947095230768	-101.2025758	111031.9796334327	4394501.744503876	5166.547522666095	305.703956486336	2978.350499447748	3001.713383134854	72.3531962008558	48.9903125137397
392	348	251772	-112881.1413	121417.310250766	36.97947871789239	-101.2002325	111304.0857596845	4394504.04710014	5194.192803197457	305.754738240778	2998.263428902314	2998.764198203974	50.6647820913747	50.6647820913747
393	348	251773	-112221.1413	121417.310250766	36.9794843820623	-101.1978982	111055.9918006339	4394493.32669187	5147.9790094928734	307.6895952125318	2972.7605523907302	2992.819710715528	74.92990282180153	54.876848059742315
394	348	251774	-111561.1413	121417.310250766	36.979494113248985	-101.1954548	111706.96579888	4394492.62069417	5138.2447595078234	304.6721389008014	2970.139205505473	2989.4735843059898	56.74091274152834	56.74091274152834
395	348	251775	-110901.1413	121417.310250766	36.97950174302067	-101.193205	111809.0033313539	4394491.19758698	5136.118812511202	304.750276953772	2987.3727597972	2997.584524635636	57.73444048	48.603311
396	348	251776	-110241.1413	121417.310250766	36.979509327521195	-101.1905692	121109.089	4394481.12262495	5133.1155241202	304.750276953772	2987.3727597972	2997.584524635636	57.73444048	48.603311
397	348	251777	-109581.1413	121417.310250766	36.97951686675005	-101.1885159	121310.0147254296	4394477.051722399	5136.118812511202	304.750276953772	2987.3727597972	2997.584524635636	57.73444048	48.603311
398	348	251778	-108921.1413	121417.310250766	36.979523406070889	-101.1861725	121511.0192507783	4394472.98212543	5179.6655540407696	304.750276953772	2987.3727597972	2997.584524635636	57.73444048	48.603311
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WtLs	BRrElevLogsKrg.	BRrElevBothKrg.	SurfBothKrg.	SatBothKrg.	
513	548	257293	-3201.14133	-102.1417310250766	36.80080420425822	-100.9166877	335625.44057915045	3430406.511456726	3011.082319352493	2875.901196291911	2831.5627856918395	2830.1887846221675	44.33841060007171	45.71241166974369
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518	548	257298	-2972.14133	-102.1417310250766	36.8008046368492	-100.9049709	335630.3653594397	3430396.29219015	3000.781525050834	2866.107854508344	2823.9290162493467	2821.9057628318	42.17869201496784	44.2024068252558
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551	548	257331	-794.14133	-102.1417310250766	36.80013798173814	-100.8276398	335663.02709986127	3430253.0282222	2898.89949351128	2792.015421302655	2806.414902730582	2806.02553133865	0	0
552	548	257332	-728.14133	-102.1417310250766	36.80013812256024	-100.8252965	335664.03577278584	3430249.08511793	2937.03671765532086	2789.750198184215	2814.304979340103	2814.37339626024	0	0
553	548	257333	-662.14133	-102.1417310250766	36.800138890968555	-100.8229531	335665.0295972263	3430245.94571063	2932.0336713434	2787.050407882226	2813.22853921234	2813.750407882226	0	0
554	548	257334	-596.14133	-102.1417310250766	36.800139020603356	-100.8206097	335666.0295972263	3430241.9406031	2941.1053708552624	2785.27708552624	2813.321455665264	2813.5196217321355	0	0
555	548	257335	-530.14133	-102.1417310250766	36.80013969789731	-100.8182669	335667.0295972263	3430237.978045134	2948.36307778045134	2784.36307778045134	2813.321455665264	2813.5196217321355	0	0
556	548	257336	-464.14133	-102.1417310250766	36.80013974786133	-100.8158023	335668.0295972263	3430233.978045134	2948.36307778045134	2784.36307778045134	2813.321455665264	2813.5196217321355	0	0
557	548	257337	-398.14133	-102.1417310250766	36.80014004	-100.8135797	335669.0295972263	3430229.978045134	2948.36307778045134	2784.36307778045134	2813.321455665264	2813.5196217321355	0	0
558	548													

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevKsg.f	BRIElevBothK.f	SatThLg.f	SatThBoth.f
639	348	254719	50138.8586730335	1021417.310250766	39.68001023096451	-00.6214239	360948.3997934073	4303498.914025236	2836.133197	2674.7327369254017	2675.6784974038826	0	0
640	348	254720	50138.8586730335	1021417.310250766	39.68000676909627	-00.6191808	361149.3666471193	4303494.300035119	2832.2407633401676	2674.067357976696	2674.9734739310616	0	0
641	348	254721	50138.8586730335	1021417.310250766	39.68000318103691	-00.6167572	361350.3336775869	4303490.8898371944	2836.5788818144074	2673.9037791	2674.9734739310616	0	0
642	348	254722	50118.8586730335	1021417.310250766	39.709997051347	-00.6143398	361551.2999546653	4303456.872741654	2834.45895500247	2665.3176789195633	2672.91023331467	0	0
643	348	254723	50278.8586730335	1021417.310250766	39.7999961181895	-00.6126055	361752.2664104729	4303482.859	2822.252568868306	2667.079008301136	2671.5038180239003	0	0
644	348	254724	50348.8586730335	1021417.310250766	39.9699246885255	-00.6097071	361953.232739382	4303478.84636323	2821.731470331711	2662.860595324759	2670.361438735947	0	0
645	348	254725	54098.8586730335	1021417.310250766	39.9998878061371	-00.6073638	362154.1988232022	4303474.82001559	2821.222564749525	2661.666481415872	2669.381188512632	0	0
646	348	254726	54758.8586730335	1021417.310250766	39.79995874010299	-00.6050204	362355.1648811361	4303470.828091529	2820.74717919257474	2660.496487747224	2667.8415216346953	0	0
647	348	254727	55418.8586730335	1021417.310250766	39.99987126320525	-00.6026771	362556.138075989	4303466.80819741	2817.7984873002026	2659.3009808717924	2666.23558930884	0	0
648	348	254728	56078.8586730335	1021417.310250766	39.9797744426543	-00.6003337	362757.09670271184	4303462.7963547865	2817.485393122534	2658.230035476555	2657.97509695755	0	0
649	348	254729	56738.8586730335	1021417.310250766	39.7973757453859	-00.5979904	362958.06263528687	4303458.784424687	2807.1730325454466	2657.13721627111	2662.246536976556	0	0
650	348	254730	57098.8586730335	1021417.310250766	39.79996690339744	-00.595647	363159.027897138	4303454.77273423	2801.862127	2656.07257351081	2660.637341211813	0	0
651	348	254731	58058.8586730335	1021417.310250766	39.996570046886	-00.5933037	363359.9923979367	4303450.76125019	2799.048518616754	2655.030357378758	2658.65180324163	0	0
652	348	254732	58718.8586730335	1021417.310250766	39.999166532594	-00.5909603	363560.5986718475	4303446.75007427	2798.735096682745	2654.017759	2656.4725416889878	0	0
653	348	254733	59378.8586730335	1021417.310250766	39.79957644491103	-00.5886169	363761.92370718915	4303442.738996257	2796.4207711690912	2653.02539377161	2654.70354648459	0	0
654	348	254734	60038.8586730335	1021417.310250766	39.79953449224116	-00.5862706	363962.8897160525	4303438.728026097	2798.106327	2652.075100918717	2653.365041824255	0	0
655	348	254735	60698.8586730335	1021417.310250766	39.7994940826526	-00.5838302	364163.853594687	4303430.71749452	2797.9483575098	2651.146921546183	2651.762272911583	0	0
656	348	254736	61358.8586730335	1021417.310250766	39.7994522203437	-00.5815896	364364.8183423977	4303430.73177193	2797.938325725876	2650.246123269937	2650.164213044099	0	0
657	348	254737	62018.8586730335	1021417.310250766	39.799400953152	-00.5792435	364565.782620853	4303426.697221589	2797.9311200840686	2649.372748699935	2648.55279496933	0	0
658	348	254738	62678.8586730335	1021417.310250766	39.79939671	-00.5769002	364766.7474512586	4303422.68735078	2797.923914433856	2648.526357566077	2646.623640233002	0	0
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661	348	254741	64238.8586730335	1021417.310250766	39.798621182057	-00.5694	365395.2922180057	4303410.505211001	2794.421422791787	2646.1496823581876	2643.0013255582616	0	0
662	348	254742	65318.8586730335	1021417.310250766	39.79919153337966	-00.5675268	365570.6041159243	4303406.50155095	2793.032645468547	2645.4014064705	2638.76703452282	0	0
663	348	254743	65978.8586730335	1021417.310250766	39.7991465080345	-00.56551834	365771.567960113	4303402.614281019	2791.938671656213	2644.6957674270075	2636.48655517950714	0	0
664	348	254744	66638.8586730335	1021417.310250766	39.7991010239075	-00.5628401	365972.5316759255	4303398.63292965	2791.741797442624	2644.004792968055	2634.0487975250403	0	0
665	348	254745	67298.8586730335	1021417.310250766	39.6995008718726	-00.5604967	366173.4952635354	4303394.62466022	2790.357023295472	2643.7023295472	2632.19151328639	0	0
666	348	254746	67958.8586730335	1021417.310250766	39.799008976848	-00.5581534	366374.4587	4303390.61691079	2789.564249933733	2642.6917539523233	2629.4621736028785	0	0
667	348	254747	68198.8586730335	1021417.310250766	39.798961854837	-00.555881	366575.2922180057	4303388.58982824	2787.340819253643	2642.516334128796	2628.9630273183	0	0
668	348	254748	685978.8586730335	1021417.310250766	39.798915652374	-00.5534667	366785.362594968	4303382.601232555	2784.42912879156584	2640.956903107993	2626.752487737696	0	0
669	348	254749	69098.8586730335	1021417.310250766	39.7988661286504	-00.5511233	366977.3483364984	4303378.5968362	2780.07240537967	2640.878845896114	2625.795143786304	0	0
670	348	254750	69598.8586730335	1021417.310250766	39.79878181248795	-00.54878	367178.3113	4303374.53861326	2776.3704961162829	2640.311003659878	2625.857759953136	0	0
671	348	254751	71258.8586730335	1021417.310250766	39.79876959392	-00.5464366	367379.2741028067	4303370.57984455	2769.7589758958354	2639.7589679064085	2626.09958018177	0	0
672	348	254752	71918.8586730335	1021417.310250766	39.7987203853779	-00.5440933	367580.2368054714	4303366.57157638	2760.193607819828	2638.702391437723	2626.4256054298016	0	0
673	348	254753	72588.8586730335	1021417.310250766	39.7986712950209	-00.5417498	367781.1994730527	4303362.566733563	2759.627040045096	2638.19028487489	2626.376081779268	0	0
674	348	254754	73238.8586730335	1021417.310250766	39.798621182057	-00.539581	367985.2922180057	4303358.505211001	2741.061422791787	2637.916334128796	2626.9630273183	0	0
675	348	254755	73898.8586730335	1021417.310250766	39.7985708198012	-00.5370632	368183.1242560454	4303354.55453867	2737.748808987177	2637.692179105083	2626.31329621727	0	0
676	348	254756	74558.8586730335	1021417.310250766	39.798493311384	-00.5347199	368384.0842692515	4303350.54872424	2737.217679759042	2636.757143786304	2625.518168	0	0
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678	348	254758	75878.8586730335	1021417.310250766	39.7984167115861	-00.5300332	368786.7014032627	4303342.537611915	2746.823455454083	2636.2840348326952	2622.71347108863	0	0
679	348	254759	76538.8586730335	1021417.310250766	39.79836434675474	-00.5278699	368986.9722474927	4303338.532992548	2740.193607819828	2635.837410351356	2620.3621627417314	0	0
680	348	254760	77198.8586730335	1021417.310250766	39.7983117018748	-00.5253465	369187.9330733827	4303334.528652475	2735.9452473981273	2635.29072551791	2621.7520968251657	0	0
681	348	254761	77818.8586730335	1021417.310250766	39.798261182057	-00.5230638	369389.8594892291	4303330.51059017	2730.7074061457323	2634.5029145212212	2621.01905118404	0	0
682	348	254762	78518.8586730335	1021417.310250766	39.798204895187	-00.5205598	369589.8569423931	4303326.15908107	2726.974808987177	2633.692179105083	2620.31329621727	0	0
683	348	254763	79178.8586730335	1021417.310250766	39.798150102081	-00.5183165	369790.8182580175	4303322.514903612	2726.152773699448	2634.05707366721	2629.527441140287	0	0
684	348	254764	79838.8586730335	1021417.310250766	39.798096271708	-00.5159731	369991.7794	4303318.510777525	2726.17845393167	2633.605802951735	2627.130024036536	0	0
685	348	254765	80498.8586730335	1021417.310250766	39.798041280639	-00.5136298	370192.7046168886	4303314.503811602	2721.225613934746	2632.61766279521	2620.78570186946	0	0
686	348	254766	81158.8586730335	1021417.310250766	39.797985367742	-00.5112864	370393.701460431	4303310.50818162	2716.75639394746	2632.61766279521	2620.78570186946	0	0
687	348	254767	81818.8586730335	1021417.310250766	39.7979328491655	-00.5089431	370594.6628	4303306.508712975	2716.75639394746	2632.61766279521	2620.78570186946	0	0
688	348	254768	82478.8586730335	1021417.310250766	39.797873593689	-00.5065998	370795.527826299	4303302.49755944	2716.75639394746	2632.61766279521	2620.78570186946	0	0
689	348	254769	83188.8586730335	1021417.310250766	39.797816788879	-00.5042564	370996.58350071	4303298.4477168	2716.75639394746	2632.61766279521	2620.78570186946	0	0
690	348	254770	83798.8586730335	1021417.310250766	39.7977595341592	-00.5019131	371197.5440028684	4303294.42922611	2716.75639394746	2632.61766279521	2620.78570186946	0	0
691	348	254771	84458.8586730335	1021417.310250766	39.7977018261405	-00.4995967	371398.5043768086	4303290.48999011	2716.75639394746	2632.61766279521	2620.78570186946	0	0
692	348	254772	85118.8586730335	1021417.310250766	39.797643665								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoths.kg.ft	LatHtLogs.ft	SurfHtBoths.ft
25	345	25745	-35501.1413	102277.3170250766	36.675403360701	-102.0602056	237528.798986243	3492608.299360242	3608.119372	3520.124387598307	3478.422998386257	3478.20069	41.7000877986108	41.92399748
26	345	25746	-35444.1413	102277.3170250766	36.6754267676754	-102.0578626	237726.891491349	3496204.242893144	3598.169211872016	3517.6704758613264	3477.6601606896243	3477.633630101156	40.01305117170213	40.03651285121077
27	345	25747	-35379.1413	102277.3170250766	36.67544986370767	-102.0565166	237827.9371286336	3496200.986799896	3592.281270202344	3515.190337877541	3476.183306973673	3476.183306973673	39.7658337024785	39.7658337024785
28	345	25748	-35312.1413	102277.3170250766	36.67547020385856	-102.0531766	238129.058966429	3496203.93008062	3597.05691704319	3512.68372091642	3473.681580476295	3473.4444781733465	39.01695813412425	39.23804414129543
29	345	25749	-35261.1413	102277.3170250766	36.67548840630357	-102.0508336	238330.1463243726	3496191.77515765	3582.6312070641425	3510.149075798996	3471.4913751344056	3471.502248014466	38.657700664590266	38.79882757627306
30	345	25750	-35180.1413	102277.3170250766	36.67552258960426	-102.0484906	238531.232530347	3496186.931714689	3577.880728054665	3507.257288058499	3469.284765714035	3468.87214014778	38.30225244463796	38.31751304273416
31	345	25751	-35114.1413	102277.3170250766	36.6755466636783	-102.0461676	238732.3186827705	3496184.64505563	3576.324665763427	3504.9881164208825	3466.027966777916	3465.554554843899	38.7068147340804	38.94262304018844
32	345	25752	-35048.1413	102277.3170250766	36.6755707280228	-102.0438045	238933.4042739933	3496179.30935205	3578.18413100425	3502.382301987365	3462.574500328756	3461.9965074790597	38.9086969547859	39.04387343960347
33	345	25753	-34982.1413	102277.3170250766	36.67559474537557	-102.0414616	239134.6970656033	3496175.15793448	3580.041663474215	3499.7410714482408	3458.132070733963	3457.9269698498014	40.6909440964225	41.018464159813
34	345	25754	-34916.1413	102277.3170250766	36.67561781696764	-102.039118	239355.5748809717	3496170.00228383	3581.90337774149	3497.07603943512	3456.465600177187	3456.0073028917705	40.41630297	40.4857865174145
35	345	25755	-34850.1413	102277.3170250766	36.675642433384	-102.0367758	239536.6597973547	3496166.80473074	3583.640228341951	3494.3980204125877	3453.938662038657	3448.2561610128971	40.4503540329677	40.1328959774195
36	345	25756	-34784.1413	102277.3170250766	36.6756662402795	-102.0344325	239737.745458932	3496162.6919802	3570.25405806408	3491.6818899095	3451.4522922063397	3442.63353304017	40.22969764555314	40.4965554869792
37	345	25757	-34718.1413	102277.3170250766	36.6756903602576	-102.0320895	239938.828865036	3496158.38177067	3567.886934381346	3488.564208676247	3449.3247441406047	3447.91510089454	40.0637672702002	51.49931717817052
38	345	25758	-34652.1413	102277.3170250766	36.67571415	-102.0297464	240139.9130029005	3496154.38407988	3553.483723462222	3486.2412117870726	3447.7465880542425	3447.7465880542425	39.445594594675	38.74672373
39	345	25759	-34586.1413	102277.3170250766	36.6757379	-102.0274034	240340.9968695903	3496150.22772588	3548.382793536644	3483.4566792508671	3446.692223999138	3447.0506722249456	36.76445251723575	36.40580702991615
40	345	25760	-34520.1413	102277.3170250766	36.675761596171895	-102.0250604	240542.0805158183	3496146.078171426	3531.567036760354	3480.8817920896	3446.1197718627598	3421.981659241773	34.56540734207304	34.77207132847868
41	345	25761	-34454.1413	102277.3170250766	36.67578550956416	-102.0227174	240743.1638827388	3496141.925304108	3519.753084187458	3477.901263132881	3445.517968330168	3447.3470617625244	38.3232768	38.65542013076562
42	345	25762	-34388.1413	102277.3170250766	36.675806047483	-102.0203743	240944.2470041305	3496137.76770235	3507.938229607902	3475.106565233021	3444.9285940929153	3441.9731983111401	30.177791140105456	33.668576921597
43	345	25763	-34322.1413	102277.3170250766	36.67583242473387	-102.0180313	241145.32968359738	3496132.00271266	3500.574187246025	3472.3078415987043	3443.928620392506	3406.291332366545	37.2893221206198054	36.0150636204977
44	345	25764	-34256.1413	102277.3170250766	36.67585649373122	-102.0156883	241346.4124688043	3496129.46810751	3497.669932	3469.5427895624503	3442.3439505313636	3442.7832319696347	29.19839031086635	36.7659515956052
45	345	25765	-34190.1413	102277.3170250766	36.67587941746687	-102.0133453	241547.9484181548	3496125.316714919	3494.477684389267	3467.14779682615	3440.207041	3442.2028139670842	26.9637340071504	64.94498017553062
46	345	25766	-34124.1413	102277.3170250766	36.6759028459407	-102.0110022	241748.5769051714	3496121.361476396	3497.43476162544	3467.3645891584527	3403.561271665098	3403.561271665098	37.34375447150563	61.672421
47	345	25767	-34058.1413	102277.3170250766	36.6759262054105	-102.0086191	241956.6587416857	3496117.93102378	3496.242678109119	3445.19202546384	3401.380220191678	3402.412095157659	34.82083613680456	47.77207301648417
48	345	25768	-33992.1413	102277.3170250766	36.67594957	-102.0063162	242150.7402329412	3496112.86178256	3483.288327218048	3451.531373772945	3432.854955253767	3398.67188667566	26.8719170509176	47.58882453275385
49	345	25769	-33926.1413	102277.3170250766	36.675972869791294	-102.0039731	242351.8216471576	3496108.170785917	3485.961997157079	3459.70001672949	3431.9854453219427	3389.6847080905122	37.1755605051447	70.01530067379813
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51	345	25771	-33794.1413	102277.3170250766	36.6760193038199	-101.999287	242753.9835304328	3496100.496491705	3470.420967052588	3456.105451341613	3430.9330747237495	3433.8475020348602	25.1744061786575	72.6259499301314
52	345	25772	-33728.1413	102277.3170250766	36.67604246623424	-101.996944	242955.0649527315	3496096.25901748	3468.321724593697	3454.3694614858497	3430.018671705254	3385.5243300959346	24.336946736927	68.8441308854858
53	345	25773	-33662.1413	102277.3170250766	36.6760658577924554	-101.994601	243156.14440218524	3496092.141141181	3466.224378426358	3452.8973891287195	3428.889391287195	3389.5897748687287	24.336946736927	68.8441308854858
54	345	25774	-33596.1413	102277.3170250766	36.67608944675265	-101.9922579	243345.2244549777	3496085.95341464	3461.93307716903	3451.1302947336114	3427.053842134094	3404.7621672995123	23.6032167095123	76.7285043204956
55	345	25775	-33530.1413	102277.3170250766	36.67611166451857	-101.9899149	243558.30425385782	3496083.909721586	3463.33955278646	3449.608483994964	3425.8013168676717	3398.09862732123	23.80531702794677	77.52882152375385
56	345	25776	-33464.1413	102277.3170250766	36.6761364172229	-101.9875718	243759.3837909297	3496079.66032546	3463.880173439636	3448.199675813145	3423.7815539314997	3404.7621672995123	23.81421861614752	47.42968147474354
57	345	25777	-33398.1413	102277.3170250766	36.676157571863754	-101.9852288	243960.4630907007	3496070.51223337	3464.402874030267	3446.889497	3421.16006854505	3402.60787486271	25.7094304510467	44.2616819248724
58	345	25778	-33332.1413	102277.3170250766	36.67618045179821	-101.9828857	244161.54212907862	3496061.56235497	3464.9615347310173	3445.601169604022	3418.2580692038166	3404.7621672995123	24.336946736927	42.0804916626977
59	345	25779	-33266.1413	102277.3170250766	36.67620327259589	-101.9805427	244362.6209143678	3496057.21888369	3465.768802730138	3444.291376951293	3405.05108425452	3404.7621672995123	24.336946736927	42.0804916626977
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61	345	25781	-33134.1413	102277.3170250766	36.67624884160906	-101.9758568	244762.7175755075	3496058.917	3467.919536919857	3447.055418223843	3403.9627002971966	3404.7621672995123	24.336946736927	42.0804916626977
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63	345	25783	-33002.1413	102277.3170250766	36.67629424902526	-101.9717104	245165.3638287776	3496046.01396033	3471.9428611587033	3439.7649007965447	3398.962501641094	3404.7621672995123	24.336946736927	42.0804916626977
64	345	25784	-32936.1413	102277.3170250766	36.67631861865689	-101.9688274	245368.0110517248	3496046.437007446	3476.772652429357	3438.664637050806	3398.716935304684	3387.0541010588196	44.947728401106815	44.2616819248724
65	345	25785	-32870.1413	102277.3170250766	36.67633938714867	-101.9664843	245569.0883282233	3496042.36625093	3481.602843822787	3437.585177478356	3398.2180438049233	3389.5897748687287	55.4047469389791	57.13419109
66	345	25786	-32804.1413	102277.3170250766	36.67636191077786	-101.9641413	245770.16532427942	3496038.719631523	3486.433034	3436.528372093605	3396.88495671255	3375.930494310435	59.93474134152049	60.5934773260997
67	345	25787	-32738.1413	102277.3170250766	36.6763846902104778	-101.9618413	245972.24432494023	3496034.438440293	3484.242678109119	3445.19202546384	3401.380220191678	3402.412095157659	34.82083613680456	47.77207301648417
68	345	25788	-32672.1413	102277.3170250766	36.67640682104778	-101.9595451	246172.3186270983	3496029.886200627	3483.288327218048	3451.531373772945	3432.854955253767	3398.67188667566	26.8719170509176	47.58882453275385
69	345	25789	-32606.1413	102277.3170250766	36.676429208488756	-101.9571								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.f	BR/ElevbthKrg.f	SeAtKbthKrg.f	SeAtBth.f	
151	349	257671	-271941.1413	102.277317310250766	36.878110945434454	-101.7646786	262860.8143206929	4395668.5364734195	354.67779675405216	3324.323410358779	3287.9883393989864	3281.807680570248	96.925057636	102.51572978850373
152	349	257672	-272181.1413	102.277317310250766	36.878129575921214	-101.7626328	263061.8705	4395662.450823808	3550.436839571321	3326.752407506742	3281.9142277058941	3286.5380425036358	101.762247284591	102.51572978850373
153	349	257673	-272621.1413	102.277317310250766	36.87814816114183	-101.7602086	263352.926976979	4395653.3274381725	3546.189712	3328.7699236164851	3287.79766877528	36.8237821193384	101.0843132638988	102.51572978850373
154	349	257674	-269961.1413	102.277317310250766	36.8781601109645	-101.7575964	263463.982706767	4395647.156338908	3541.9545836219159	3380.6514422168273	3283.099539104633	3269.630529239176	95.5514703063408	101.17024717750971
155	349	257675	-269301.1413	102.277317310250766	36.878185195784764	-101.7556033	263665.0375	4395670.90003794	3540.097167191674	3379.4611301414635	3283.53776433087	3276.5443294024056	95.9083657483768	102.901806805176
156	349	257676	-268641.1413	102.277317310250766	36.878205420689	-101.7532601	263866.09273761796	4395640.300401559	3540.624812963365	3324.0074101103396	3282.004731842766	96.2434897811584	97.96686604417886	102.901806805176
157	349	257677	-267981.1413	102.277317310250766	36.87822204936272	-101.7509169	264067.1477125922	4395661.77825027	3377.05607254262	3279.90820823077	3280.4284171598587	97.14668643118512	96.62609080427556	102.901806805176
158	349	257678	-267321.1413	102.277317310250766	36.87824048825265	-101.7489737	264268.205	4395657.66756547	3541.6792041117596	3375.8703721026827	3277.9608965220034	97.92025748	96.84462418	102.901806805176
159	349	257679	-266661.1413	102.277317310250766	36.87825678187455	-101.7462256	264469.25699178403	4395653.3274381725	3541.072854838795	3374.689134268574	3276.018904121265	96.8872538238862	96.8872538238862	102.901806805176
160	349	257680	-266001.1413	102.277317310250766	36.87827699241135	-101.7438874	264670.114	4395649.40236111	3539.4940236111	3373.51123249142	3274.037648470384	96.76550544525566	96.474477788158	96.84750579627607
161	349	257681	-265341.1413	102.277317310250766	36.878295221333175	-101.7415442	264871.3654239472	4395645.27515072	3377.589064383542	3372.111385519769	3273.002037491917	100.72727806964508	96.90349585	102.901806805176
162	349	257682	-264681.1413	102.277317310250766	36.878313891155704	-101.739201	265072.419255704	4395641.152901394	3535.861693341258	3371.1681142912143	3274.426557656473	100.8774007789679	96.74156725565126	102.901806805176
163	349	257683	-264021.1413	102.277317310250766	36.878331523713204	-101.7368578	265273.472864848	4395637.028502771	3534.162682710801	3369.998226216214	3268.6335861085845	101.36623852829206	96.6969998	102.901806805176
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165	349	257685	-262701.1413	102.277317310250766	36.8783635032981	-101.7321714	265675.57653508174	4395623.70498748	3530.8485456823365	3367.667340689753	3265.7396848537694	97.11091483195247	101.92746583236594	102.901806805176
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167	349	257687	-261381.1413	102.277317310250766	36.87840360127769	-101.727485	266077.684892976	4395623.5328645	3527.204848510565	3365.34924118884	3262.980809188647	97.1185895818	96.3123127019053	93.1810253070068
168	349	257688	-260721.1413	102.277317310250766	36.87842157050224	-101.7251418	266278.73334143	4395616.01411136	3526.902475513766	3364.2023233136505	3261.596914	3267.273462139413	102.6054007586607	96.928860247925
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170	349	257690	-259401.1413	102.277317310250766	36.87845718415133	-101.7204554	266680.841566906	4395608.16	3520.288754592031	3361.923434592031	3258.871000301594	3260.0581458887179	99.871054548887179	99.871054548887179
171	349	257691	-258741.1413	102.277317310250766	36.878474955747534	-101.7181122	266881.893262758	4395604.01984752	3519.220588232145	3360.0019929441364	3257.698354596493	3260.581110839095	103.1055546476432	100.2269100268216
172	349	257692	-258081.1413	102.277317310250766	36.87849259773336	-101.715769	267042.784708854	4395571.070119759	3516.391177142339	3359.67404412917	3256.49064591337	100.19882100718015	100.2598448517989	102.51572978850373
173	349	257693	-257421.1413	102.277317310250766	36.8785103024156	-101.7133854	267249.686934316	4395553.3274381725	3514.561785160484	3358.684742068912	3255.4984742068912	96.47821338956	100.1587333411977	102.51572978850373
174	349	257694	-256761.1413	102.277317310250766	36.8785279424009	-101.7110626	267485.047121235	4395591.675713198	3512.7338575776	3357.4390103455426	3254.438395777814	3257.5647302336475	100.07107767112	99.87427831185907
175	349	257695	-256101.1413	102.277317310250766	36.8785458360517	-101.7087394	267688.097948904	4395567.554128617	3512.066805872398	3356.3202119638077	3253.438929	3256.706652	100.8812830307768	99.87427831185907
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177	349	257697	-254781.1413	102.277317310250766	36.8785806265185	-101.704053	268088.19897178437	4395513.91658808	3510.3650382856506	3354.075730306854	3251.250898504379	3255.3852374792627	100.7369711968163	98.70236232379783
178	349	257698	-254121.1413	102.277317310250766	36.878598080074636	-101.7017098	268289.2490592037	4395575.0772567	3510.151889484565	3353.978548548376	3250.098568328383	3255.465325731327	100.7276892008777	97.5103307705013
179	349	257699	-253461.1413	102.277317310250766	36.8786154883879	-101.699346	268490.299	4395571.070119759	3510.151889484565	3353.978548548376	3250.098568328383	3255.465325731327	100.7276892008777	97.5103307705013
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181	349	257701	-252141.1413	102.277317310250766	36.878651069140866	-101.6946802	268892.3811445016	4395562.829512068	3508.757005352968	3349.6490757762645	3249.377850505425	3252.4991405183374	100.7271252697819	97.5103307705013
182	349	257702	-251481.1413	102.277317310250766	36.87867461162872	-101.692337	269093.447434447	4395558.70958847	3506.1735455615781	3348.50426650113	3248.50444422711	100.9597451524728	100.0369182423961	100.0369182423961
183	349	257703	-250821.1413	102.277317310250766	36.87869646884914	-101.6899938	269294.4964364434	4395554.58937691	3503.935391784136	3347.430831450567	3247.66554561118	100.7640758985794	101.8904750575233	100.0369182423961
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186	349	257706	-248841.1413	102.277317310250766	36.878736817659594	-101.6829802	269898.6148019734	4395541.52263628	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
187	349	257707	-248181.1413	102.277317310250766	36.87875312552605	-101.6806209	270098.6098358894	4395538.113281935	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
188	349	257708	-247521.1413	102.277317310250766	36.87877012594354	-101.6782777	270299.738	4395533.99471577	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
189	349	257709	-246861.1413	102.277317310250766	36.878787806156137	-101.6759345	270500.7859254354	4395529.6164071272	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
190	349	257710	-246201.1413	102.277317310250766	36.87880389191101	-101.6735912	270701.833007387	4395525.78310217	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
191	349	257711	-245541.1413	102.277317310250766	36.87882086993278	-101.6712148	270902.88097172873	4395521.64045207	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
192	349	257712	-244881.1413	102.277317310250766	36.878837617659594	-101.6689048	271103.92710951	4395517.52263628	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
193	349	257713	-244221.1413	102.277317310250766	36.878854418019734	-101.6665464	271304.96710951	4395513.40471272	3500.2484218010866	3345.2084218010866	3245.4424673711755	100.946047305791	100.7614537109984	100.0369182423961
194	349	257714	-243561.1413	102.277317310250766	36.8788718	-101.6642184	271506.0204165103	4395509.						

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt.	BRiEveLogskrg.f	BRiEveLogskrg.f	SatHkLogsk.f	SatHkLogsk.f		
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278	349	25798	-188121.1413	1022077.310250766	36.88011453196074	-101.467384	288393.147463824	3353.35198102733065	3326.517673815348	3103.863723716265	3120.482789592017	122.65349482251	106.03489482251	106.03489482251
279	349	25799	-187601.1413	1022077.310250766	36.8801277113391608	-101.465607	288694.172309492	3348.68635379148	3324.564882426781	3117.844882426781	3125.2541356825704	126.2541356825704	107.1346642034748	107.1346642034748
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281	349	25801	-186141.1413	1022077.310250766	36.88015330443326	-101.460354	288966.285102549	3351.95188573018	3321.648984380332	3221.846912310465	3089.5094013101103	311.5482016638375	110.2977100634578	110.2977100634578
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284	349	25804	-184161.1413	1022077.310250766	36.88019414495958	-101.4533241	289599.3103924134	3351.95188573018	3321.07145650696	3217.20787869577	3089.070793511674	312.883433818255	111.7081941422514	111.7081941422514
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321	349	25841	-159741.1413	1022077.310250766	36.88062785439665									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogsKrg.ft	BRiElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
529	349	258049	-22461.14133	102277.3170250766	36.891827267	-100.87919599	338845.2310291085	43941.0393221578	2598.645942552886	2842.2748115477474	2802.2209831924383	38.216004217062074	40.053283503906	
530	349	258050	-21801.14133	102277.3170250766	36.891529162656	-100.876524	339046.21353941234	43941.395334212	2935.069971080247	2840.056055207062	2802.8957255240585	37.15874271612074	38.9925757991072	
531	349	258051	-21141.14133	102277.3170250766	36.8918369565746	-100.874509	339247.19889396165	43941.5014882902	2927.1071282011667	2837.82174651431	2803.01974121681501	35.788204731500846	37.68932714300361	
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533	349	258053	-19821.14133	102277.3170250766	36.8913347552368	-100.8698822	339649.16037669904	43941.2637070214	2904.426023587024	2833.2860955933384	2801.1317336808065	38.0529120284655	32.15436191253184	34.3931835648814
534	349	258054	-19161.14133	102277.3170250766	36.891481254243	-100.8674877	339850.142025105	43941.2886909109	2893.0851472125645	2830.995768065995	2808.163984	37.86550795252835	30.14068713113025	
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536	349	258056	-17841.14133	102277.3170250766	36.891373075946	-100.8627919	340252.10532751594	43941.142237577	2870.73225075597	2826.374407145846	2808.068379350973	37.98858016712663	27.3303680748624	27.522308303182854
537	349	258057	-17161.14133	102277.3170250766	36.8916385185774	-100.8604485	340456.03867818377	43941.1073465715	2864.2425467497676	2824.0425467497676	2808.1689973277257	37.98858016712663	24.862480158896813	
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563	349	258083	-21.14132693	102277.3170250766	36.89153889121253	-100.7995195	345698.55053310866	43940.0638270448	2938.377703104844	27.6543728726208	27.9454067889155	27.97817642785104	0	
564	349	258084	68.896730733514	102277.3170250766	36.8915475610516	-100.797176	345879.5278611334	43940.051707708	2941.1478282071355	27.631748282071355	27.96179254873933	27.9783593314512	0	
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566	349	258086	1958.8586730733514	102277.3170250766	36.891539273232	-100.7924892	346281.4819751636	4393.993778929376	2915.6623059719623	27.60047148726314	27.922690961205658	27.92222336830724	0	
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568	349	258088	3278.8586730733514	102277.3170250766	36.8915333434457	-100.7878023	346683.5449561815	4393.98572751486	2915.7441050211887	27.565859192335406	27.69896290675972	27.698973082	0	
569	349	258089	3938.8586730733514	102277.3170250766	36.8915380589041	-100.7854589	346884.4121	4393.981437370025	2918.322573758285	27.584902996826	27.698711690606783	27.698711690606783	0	
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571	349	258091	5258.858673073351	102277.3170250766	36.8915295495157	-100.780776	347286.525495157	4393.9691797276	2923.14782821835	27.561848511718539	27.691891371729889	27.691891371729889	0	
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573	349	258093	6578.858673073351	102277.3170250766	36.8915164238614	-100.7760852	347688.316622415	4393.965577674755	2922.144598163223	27.4856227805637	27.68455606702374	27.68455606702374	0	
574	349	258094	7238.858673073351	102277.3170250766	36.8915169016855	-100.7737418	347889.2982139953	4393.9651549	2922.08432373281	27.4709887392763	27.67161457664021	27.67161457664021	0	
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576	349	258096	8558.858673073351	102277.3170250766	36.8915005835258									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
1	350	258301	-344541.1413	102273.7310250766	36.67598118091936	-102.0227479	407047.3288	4396343.265145232	3477.560094411386	3447.560094411386	3447.560094411386	3447.560094411386	3447.560094411386	3447.560094411386
42	350	258302	-343881.1413	102273.7310250766	36.67712728234414	-102.020448	409484.4116358888	4396338.1122617945	351.95193252993275	3471.711959561627	3446.0699216465277	3418.400548769209	346.31074730963481	56.31067107695344
43	350	258303	-343221.1413	102273.7310250766	36.67647625079613	-102.018617	411149.485226872	4396334.959612478	3507.169971761137	3451.951677289095	3445.93767963417674	3414.091217337569	56.45392144692738	51.822455192136055
44	350	258304	-342561.1413	102273.7310250766	36.6776688126949575	-102.0157187	41550.57668077	4396330.8079712765	3504.033277760472	3469.073314245632	3443.7811779965767	3417.21355504968209	52.26116717307656	58.25876195663974
45	350	258305	-341901.1413	102273.7310250766	36.6776922703695	-102.0133756	41551.658709150774	4396326.505661185	3500.867483429812	3466.543489	3411.342363785001	3411.3411110906844	52.29175240348965	55.2637772803514
46	350	258306	-341241.1413	102273.7310250766	36.6777151611596	-102.0110325	41752.7405333072	4396323.63069191	3507.76516891197	3464.589631640682	3438.012338859933	3413.92167201524	56.78816907808863	50.66794125625791
47	350	258307	-340581.1413	102273.7310250766	36.6777391	-102.008884	41953.8214295282	4396318.35136294	3493.209489123246	3462.6756370641	3434.60357412149	3415.838205428794	52.7017429425208	46.8375023215656
48	350	258308	-339921.1413	102273.7310250766	36.6776243848501	-102.006363	42154.90347672082	4396314.199877482	3487.381648961972	3460.76335766227	3431.995321095582	3412.069892533036	28.76891467124081	48.69404371351902
49	350	258309	-339261.1413	102273.7310250766	36.6776243848501	-102.004039	42355.9465534392	4396310.94683272	3486.556971183705	3458.856701183705	3431.634762297517	3412.069892533036	51.87708781949837	45.87708781949837
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53	350	258313	-336621.1413	102273.7310250766	36.67878452303105	-101.9946308	42460.30632250055	4396294.464	3464.4956605123845	3451.3383872624	3428.6717195517193	3383.924248477137	22.8991232090463	59.58141502491026
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58	350	258318	-333321.1413	102273.7310250766	36.6799345343881	-101.9829153	424165.70281543175	4396272.697267516	3456.496011087963	3444.28432758255	3418.027674664407	3403.5805690768148	26.25675903843475	40.74056368144045
59	350	258319	-332661.1413	102273.7310250766	36.67801617519557	-101.9805722	424366.7813394625	4396268.549058252	3456.316282499316	3443.052492544223	3417.775685322775	3403.7748669613	28.276808811945335	39.2246374609815
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61	350	258321	-331341.1413	102273.7310250766	36.67806172071835	-101.975889	424704.07637255818	4396260.25195191	3468.4544921778186	3440.6578721826	3407.0522277141987	3400.90778897407	33.60359504071164	39.7487032086865
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63	350	258323	-330021.1413	102273.7310250766	36.67830451191025	-101.971071	424775.07887202	4396251.98387892	3454.71984229897	3424.947064372167	3402.38425116148	3398.03306203923	37.0895105	41.45075924125675
64	350	258324	-329361.1413	102273.7310250766	36.67812969552074	-101.968556	42537.1705252506	4396247.80004487	3465.012718095716	3437.175693993345	3391.392719862144	3399.789375972068	45.78240013179038	47.3585239627769
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68	350	258328	-326721.1413	102273.7310250766	36.678219742040824	-101.959441	446176.4584597143	4396231.21948484	3472.32726553034	3435.757949489487	3383.648514349854	3386.96046722509	49.90173745	45.7953724899678
69	350	258329	-326061.1413	102273.7310250766	36.6782429822295	-101.957141	446377.55280502413	4396227.07288301	3474.3869710726978	3431.707102133004	3382.8941220254396	3381.931218176142	50.1782359342117	53.01309924
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72	350	258332	-324081.1413	102273.7310250766	36.67830898473326	-101.9501116	446980.7794181438	4396214.63594349	3471.098035902436	3428.71647494951	3392.080194	3401.4359957300828	36.63340917470835	27.821649064122576
73	350	258333	-323421.1413	102273.7310250766	36.678331319169617	-101.947785	447181.854319114	4396210.48865414	3469.776264039054	3427.7588621569403	3392.5707849648434	3392.5707849648434	35.1807719	25.56337995
74	350	258334	-322761.1413	102273.7310250766	36.67835333403992	-101.9454253	447382.9293021067	4396206.354367389	3468.4544921778186	3426.802637189354	3392.9514247657497	3401.7042717449633	33.85048962180372	25.098365434397132
75	350	258335	-322101.1413	102273.7310250766	36.67837546984039	-101.9430322	447584.0038195897	4396202.19408216	3465.834625240907	3424.834625240907	3392.911686242894	3400.834721048884	32.9223699808048	25.00035138021552
76	350	258336	-321441.1413	102273.7310250766	36.67839741101925	-101.9407391	447785.07887202	4396198.05387892	3464.7064372167	3424.947064372167	3392.911686242894	3392.911686242894	27.73569173700047	27.73569173700047
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78	350	258338	-320121.1413	102273.7310250766	36.67844154755816	-101.9360528	448187.2256747498	4396189.764325985	3462.223753490229	3422.864260697365	3390.783593402678	3392.465107596322	32.06230135739543	30.38109101431255
79	350	258339	-319461.1413	102273.7310250766	36.678463482835356	-101.9337097	448388.2993496913	4396185.62013614	3464.65019490629	3421.867336731573	3389.12145172265	3389.12145172265	32.14455195	32.14455195
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81	350	258341	-318141.1413	102273.7310250766	36.67850701789644	-101.9290234	448790.4568490182	4396177.33250537	3450.13047740531	3420.920158166338	3387.423456807544	3388.351217195133	33.03550590039306	32.5780088110656
82	350	258342	-317481.1413	102273.7310250766	36.678529017480244	-101.9266802	448991.5184641671	4396173.18826416	3450.8953711739647	3419.216339948967	3385.9484243542385	3384.616081319347	32.5780088110656	32.5780088110656
83	350	258343	-316821.1413	102273.7310250766	36.67855091709687	-101.924337	449192.6269696274	4396169.68359128	3450.8953711739647	3418.247378737973	3385.9484243542385	3384.616081319347	32.5780088110656	32.5780088110656
84	350	258344	-316161.1413	102273.7310250766	36.67857248055114	-101.921939	449393.6630960573	4396164.902	3451.15499304155646	3417.9113006397	3381.876515837655	3382.411598139477	35.3296617	35.3296617
85	350	258345	-315501.1413	102										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRIElevLogsKt	BRIElevBothKt	SatHtLogsKt	SatHtBothKt
167	350	258427	-261381.1413	102273.7310250766	36.860216556050786	-101.7275982	666081.8187237669	4395821.843198288	3526.983711687417	3364.6975011693207	3263.342740592713	3274.1492257891595	31.54476057660753	90.5482573116125
168	350	258428	-260721.7413	102273.7310250766	36.860234442737934	-101.7251649	666262.8709137943	4395817.71975171	3524.560328296504	3363.503746151508	3261.8872473479432	3267.606056252405	31.68562726715478	95.8924750268756
169	350	258429	-260061.1413	102273.7310250766	36.86025320415763	-101.7229417	666483.9228734404	4395813.69434316	3522.136962601455	3362.136962601455	3260.42726256848	3263.4897189205274	31.8293346416158	95.8993640469028
170	350	258430	-259401.1413	102273.7310250766	36.8602710303963	-101.7204784	666694.9746023093	4395809.437652955	3519.7136035204354	3357.2847083701117	3259.484394340334	3261.276964	32.075489359783	100.0080142343513
171	350	258431	-258741.1413	102273.7310250766	36.86028789	-101.7181352	666886.0261043307	4395805.3506282781	3517.5025093302829	3360.1592009511937	3257.965419106736	3260.273689606136	32.36274814052013	99.8856040442256
172	350	258432	-258081.1413	102273.7310250766	36.8603051680763	-101.7157919	667087.077321818	4395801.22813947	3515.305396238257	3359.038661291652	3256.594712718508	3259.3329465787965	32.44394857314319	99.7057417
173	350	258433	-257421.1413	102273.7310250766	36.86032329715517	-101.7134487	667288.1284127327	4395797.106044303	3513.5053136937144	3357.921136937144	3255.60480190196	3258.45654782408	32.2706330532137	99.4543891310956
174	350	258434	-256761.1413	102273.7310250766	36.86034093254681	-101.7111054	667489.122722836	4395792.984002403	3511.506678709573	3356.035952252735	3254.7009926522735	3257.599117714748	32.10259596274818	99.402700108961
175	350	258435	-256101.1413	102273.7310250766	36.8603586524061	-101.7087821	667690.2298436381	4395787.8892	3511.062621899356	3355.86669	3253.85489111572	3256.68734005457	32.18116887126818	95.8993640469028
176	350	258436	-255441.1413	102273.7310250766	36.8603766564861	-101.7064189	667891.2801571172	4395784.74061743	3510.714455105474	3354.570105604714	3252.977803398744	3255.848870242584	32.1522022283326	99.721258621072
177	350	258437	-254781.1413	102273.7310250766	36.8603935556461	-101.7040756	668092.3303	4395780.3303	3513.283669108734	3353.4563708764395	3251.9887561273424	3254.68486967485	32.145761474909705	98.7698721769099
178	350	258438	-254121.1413	102273.7310250766	36.86041109871705	-101.7017323	668293.3801772806	4395776.49816048	3514.384192566642	3352.34518627633	3251.0320071742935	3253.3903171142935	32.13136117583629	98.9548587833948
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206	350	258466	-235641.1413	102273.7310250766	36.860881330368585	-101.6361025	673922.684095374	4395661.2073014	3523.444554845267	3321.0630381143137	3204.9421284424305	3205.015950125167	32.161209132718818	97.07391597198306
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatHtKlog.f	SatHtBoth.f
293	350	258554	-178221.1413	102273.7310250766	36.68211626392009	-101.4322601	19142.6478831904	439530.3412600818	3319.8678279303813	3022.768972168044	3077.392699999551	3095.5999913471903	3125.37690216849296	107.209890738537
294	350	258554	-177561.1413	102273.7310250766	36.682128486613806	-101.4299067	291613.6726695157	439530.3004943228	3326.794824	3024.2440094045896	3078.1274474679586	3106.768729814704	124.57671089178542	107.209890738537
295	350	258555	-178091.1413	102273.7310250766	36.68214096434916	-101.4278633	291814.6972522257	439530.2633546747	3333.1155263535467	3027.178693710781	3080.817268214054	3117.710608611735	118.8979861567444	82.002365303536
296	350	258556	-176241.1413	102273.7310250766	36.68215766186625	-101.42522	292015.7216304057	439530.2819441327	3338.892195101917	3198.169137122219	3082.24136670888	3128.693674480034	119.9200545133103	69.4755166413563
297	350	258557	-175681.1413	102273.7310250766	36.68216428306571	-101.4228766	292216.7548064227	439528.748533006	3344.544383662964	3196.605425016753	3083.319008852163	3125.404568414468	113.4864611645525	56.0648020228527
298	350	258558	-174921.1413	102273.7310250766	36.6821764467321	-101.4205332	292417.7697751681	439525.2847751681	3350.25847751681	3195.013899618257	3083.47207999773	3152.816392905257	42.9981136695297	42.9981136695297
299	350	258559	-174261.1413	102273.7310250766	36.68218882100306	-101.4181898	292618.7935420788	439527.956273777	3353.944852514169	3083.605471119485	3083.605471119485	3127.4022894007	19.78305402212254	27.6611222462781
300	350	258560	-173601.1413	102273.7310250766	36.68220077703914	-101.4158464	292819.8171056317	439525.94695286	3356.20630017035	3191.7248508732737	3083.336152307337	3163.8183605263313	108.3869852252527	27.90630246942414
301	350	258561	-172941.1413	102273.7310250766	36.68221267865974	-101.4136031	293020.4469250343	439527.17716516	3358.260569702285	3184.203697502285	3082.7155478191	3151.0802485625016	107.30894361853074	38.843361853074
302	350	258562	-172281.1413	102273.7310250766	36.68222447836677	-101.4111597	293221.863234877	439526.284900333	3358.91833	3188.29022776189	3080.632442339158	3141.609638725465	107.6587176123692	46.6808404072225
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309	350	258569	-167661.1413	102273.7310250766	36.68230609442399	-101.394756	294629.020605035	439523.645579474	3345.732321	3173.672340344632	3071.66434297088	3099.294913249301	104.008986	76.373271
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322	350	258582	-159081.1413	102273.7310250766	36.682451781165	-101.3643291	297242.2647744504	43951.3744511204	3364.7557778576	3154.25317	3054.8557511204	3073.79704613924	99.7074621391507	96.4708079358741
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329	350	258589	-154461.1413	102273.7310250766	36.682527059673085	-101.3478881	298649.4129146107	43951.368169845	3359.05766001148	3137.558758930894	3051.15624396895	3050.72728392	86.04254162	90.0248830769749
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331	350	258591	-153141.1413	102273.7310250766	36.682546816021556	-101.3432013	299051.4473947757	43951.48710314443	3355.286206776017	3133.620473	3049.7988604328434	3049.20033	83.8216126657367	84.4201676225991
332	350	258592	-152481.1413	102273.7310250766	36.6825564257567	-101.3408579	299252.4506998084	43951.4625015863	3353.423726	3131.6713602894916	3049.203852330936	3048.1142775595117	81.4625079584133	83.557027283793
333	350	258593	-151821.1413	102273.7310250766	36.6825670966344	-101.3385145	299452.4802682976	43951.3539492191	3351.5653847646427	3129.747652809136	3048.048624193393	3040.782812	82.9431973	82.9431973
334	350	258594	-151161.1413	102273.7310250766	36.68257874747884	-101.3361711	299654.4806402294	43951.36145114481	3348.70733311956	3127.86118886789	3047.466779909414	3047.466779909414	82.006768279048	82.006768279048
335	350	258595	-150501.1413	102273.7310250766	36.68258954585848	-101.3338213	299859.5116611661	43951.2812601745	3347.68173	3126.9420722854	3046.451589662681	3046.451589662681	80.939094974309	80.939094974309
336	350	258596	-149841.1413	102273.7310250766	36.6826000119294242	-101.3314842	300065.53179621126	43951.2812601745	3348.70733311956	3124.241125179338	3044.751111203207	3041.85086793816	77.4091306721142	82.3830263490393
337	350	258597	-149181.1413	102273.7310250766	36.68261037529057	-101.3291408	300257.54789							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskrg.ft	BREIEvBothkrg.ft	SanthBothkrg.ft
419	350	258679	-9501.14133	1022737.3170250766	36.8329730333438	-11.1369795	316740.228662572	434790.090973068	1198.609729302497	313.6361781764685	2952.654930107883	2954.0251337888316	60.818124807
420	350	258680	-9440.14133	1022737.3170250766	36.8333038165972	-11.134636	316941.22651861745	434796.7860502367	3194.2714580425422	3012.6787465023464	2953.2596868700431	2951.6124849651381	59.61905783290058
421	350	258681	-9374.14133	1022737.3170250766	36.8331025471125	-11.1322828	317142.2298686857	434791.961364596	3188.9331867525877	3012.15484934974256	2952.393797512637	2951.18034304750176	58.8175047448896
422	350	258682	-9301.14133	1022737.3170250766	36.8331666248896	-11.1294961	317343.23029933847	434797.8269071127	3185.5949155226335	3011.463135	2950.195026519344	2951.132146725341	61.26082966278835
423	350	258683	-9242.14133	1022737.3170250766	36.8332304298289	-11.1270656	317544.23042196687	434797.7833	3182.2175494586217	3010.80416841178	2948.992513591734	2949.6362482908922	61.1815932494433
424	350	258684	-9176.14133	1022737.3170250766	36.83329342222976	-11.1256262	317745.23033668477	434797.686889896	3179.8008178407245	3010.1770228449586	2947.2767239760933	2947.860323704252	62.9002868686532
425	350	258685	-9110.14133	1022737.3170250766	36.83333561	-11.1229187	317946.2301341127	434795.705	3177.384177905864	3009.581924560927	2945.426153963584	2945.37938251609127	63.83441190984022
426	350	258686	-9040.14133	1022737.3170250766	36.833414806159	-11.1205753	318147.2297239937	434796.641389336	3174.9673711108942	3009.01830079663	2943.37795198879	2943.291709728357	65.6500560077407
427	350	258687	-8976.14133	1022737.3170250766	36.8334982	-11.118218	318348.229136596	434797.75807805	3171.07425	3008.4853356401583	2941.97684859425	2942.647107670723	66.5088640458913
428	350	258688	-8912.14133	1022737.3170250766	36.833541584047	-11.1158684	318549.2287324259	434793.515017424	3163.114727885706	3007.5277880544	2940.4059323177116	2941.75409437509	67.637811205532
429	350	258689	-8846.14133	1022737.3170250766	36.8336024926544	-11.1135449	318750.2274138846	434794.452	3156.01676	3007.51133951516	2938.623160882308	2940.764157823357	68.6880390267062
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431	350	258691	-8714.14133	1022737.3170250766	36.833723	-11.108858	319152.2259189381	434794.128592931	3142.133889299937	3006.60317340603	2934.9042902373724	2938.144525109017	71.75603873420351
432	350	258692	-8648.14133	1022737.3170250766	36.83375250204186	-11.1065145	319353.2235497398	434797.265047283	3135.6650945068316	3006.275180915032	2932.975339593814	2936.78986334019865	73.29864496112784
433	350	258693	-8582.14133	1022737.3170250766	36.8338415999555	-11.1041711	319554.22319036805	434793.3021325251	3125.1943015196678	3005.107410149488	2931.0371217103707	2934.8825048095735	74.88236709117744
434	350	258694	-8516.14133	1022737.3170250766	36.8339002446033	-11.1018276	319755.2208191945	434792.701448919	3122.725507176657	3005.5747833225814	2930.087685762487	2934.18321714169317	76.48711474433276
435	350	258695	-8450.14133	1022737.3170250766	36.8339584367747	-11.0994842	319856.2180846101	434795.07996835	3116.850940240545	3005.2488810798575	2925.891967115941	2932.57328692483	79.356732869642
436	350	258696	-8384.14133	1022737.3170250766	36.8340161762063	-11.0971407	320157.2159	434792.017847938	3111.703077404296	3004.5826328239585	2923.989510277504	2931.3993745934575	80.3731821
437	350	258697	-8318.14133	1022737.3170250766	36.8340736248982	-11.0947973	320358.2136642293	4347916.958	3106.51304622102	3004.60528159819	2922.1046760183676	2931.190605140695	82.5005921455135
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439	350	258699	-8186.14133	1022737.3170250766	36.8341866780611	-11.0901103	320760.20834420086	434798.83497038	3096.795614712939	3003.39893989261	2919.316752486073	2929.1538371272304	84.623321318832
440	350	258700	-8120.14133	1022737.3170250766	36.834242065333	-11.0877669	320980.25407233446	434794.7016199857	3092.503801212926	3003.380870122652	2917.1324320302615	2926.80676184478	86.448347
441	350	258701	-8054.14133	1022737.3170250766	36.8342982564	-11.0854384	321126.2024821919	434795.163132371	3089.6595614798	3002.489248572757	2915.892458688463	2924.915302716763	88.3279118929229
442	350	258702	-7989.14133	1022737.3170250766	36.8343531052557	-11.08306	321363.1920502851	434796.65289623	3085.201176955168	3002.758574588467	2914.940424265567	2928.317190502074	90.8181020190046
443	350	258703	-7922.14133	1022737.3170250766	36.8344076755061	-11.0807365	321564.1958117959	434796.59694554	3084.196221596233	3002.588117590376	2908.58374918238	2928.621664314846	93.67506384
444	350	258704	-7856.14133	1022737.3170250766	36.834617930159	-11.078393	321765.1924399095	434796.5321504	3086.05112344191	3001.666567044686	2904.31209789153	2924.98303273451	97.35440701295552
445	350	258705	-7790.14133	1022737.3170250766	36.8346515457853	-11.0760496	321966.1885027163	434797.1945725	3080.952195846794	3000.952195846794	2908.96058984167	2907.588987857757	101.902108603268
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447	350	258707	-7658.14133	1022737.3170250766	36.83469214	-11.0713871	322368.1895	434796.6588402	3086.744689134785	2999.588954834795	2894.545454888463	2904.7874801297032	104.51806981658
448	350	258708	-7592.14133	1022737.3170250766	36.834767356474	-11.0694138	322592.172401303	434792.172401303	3086.1073213051	2998.865952964	2897.81793247457	2905.933546312779	110.763541424884
449	350	258709	-7526.14133	1022737.3170250766	36.8347255894527	-11.0666757	322770.171807487	434796.624	3116.41935492035	2996.595743671333	2898.201272230843	2897.078107493811	98.3584713239209
450	350	258710	-7460.14133	1022737.3170250766	36.834776909165	-11.0643233	322971.16720151936	434796.641853417	3112.712555614195	2995.3330584137	2899.09293547877	2898.499613765563	96.431293434376
451	350	258711	-7394.14133	1022737.3170250766	36.834782338394	-11.0619888	323172.162423756	434796.612817809	3129.21169981460	2993.628581209277	2899.730548186713	2898.78719293796	93.89803302
452	350	258712	-7328.14133	1022737.3170250766	36.834878434207	-11.0599453	323373.157473969	434796.67052854	3123.91766061025	2992.667564641124	2900.1103343482387	2899.291584603287	91.9534198
453	350	258713	-7262.14133	1022737.3170250766	36.8349284772608	-11.0573019	323574.1525226573	434796.613398615	3118.62303586256	2990.463436737025	2900.259894529733	2899.62203468958	90.20354814
454	350	258714	-7196.14133	1022737.3170250766	36.8349782972587	-11.0549584	323775.147091519	434796.479526309	3113.328958551671	2989.850421571162	2899.28958221447	2898.988221514918	91.8319484471345
455	350	258715	-7130.14133	1022737.3170250766	36.835027650077	-11.0526149	323976.14159449755	434796.68962937	3107.128326572331	2987.174180292075	2899.890253187436	2899.85625125187	92.78329710497155
456	350	258716	-7064.14133	1022737.3170250766	36.8350788933004	-11.0502715	324177.1395866191	434796.63943	3108.4857339718407	2985.49733560478	2899.59749951007	2899.57456318329	85.899635397093
457	350	258717	-6998.14133	1022737.3170250766	36.8351241212028	-11.047928	324378.130518289	434796.6378469037	3083.796907363935	2899.20276337812	2899.20276337812	2899.20276337812	84.6096150409983
458	350	258718	-6932.14133	1022737.3170250766	36.8351719003339	-11.0455845	324579.1241742063	434796.631	3087.89367	2982.800739435024	2898.6994703208034	2898.6994703208034	83.38126911422609
459	350	258719	-6866.14133	1022737.3170250766	36.835219267459	-11.0432411	324780.181259125	434796.627440537	3084.31322142218	2898.195203834258	2898.254739599886	2898.254739599886	82.0384857239232
460	350	258720	-6800.14133	1022737.3170250766	36.8352661003924	-11.040876	324981.118073256	434796.623619	3086.60815539027	2978.58122353967	2897.523677145183	2897.5749647073315	81.006783233552
461	350	258721	-6734.14133	1022737.3170250766	36.835319250766	-11.0385438	325192.1260444	434796.623619	3088.7885804993	2978.58122353967	2897.523677145183	2897.5749647073315	80.026712280595
462	350	258722	-6668.14133	1022737.3170250766	36.8353548495815	-11.0362107	325383.098598418	434796.5108095895	3086.185503801253	2978.58122353967	2897.523677145183	2897.5749647073315	79.0505439138029
463	350	258723	-6602.14133	1022737.3170250766	36.835400404777	-11.0338672	325584.09183135745	434796.61143341	3085.465455349681	2973.16781680945	2895.296774291527	2895.296774291527	77.871309517887
464	350	258724	-6536.14133	1022737.3170250766	36.835449067544	-11.0315237	325785.0848331796	434796.63839941	3087.716879015481	2971.313807	2894.564953	2894.564959471877	76.7442069748247
465	350	258725	-6470.14133	1022737.3170250766	36.8354936774846	-11.0291803	325986.078693026	434796.63839941	3089.088740448791	2969.431216782279	2893.909172732817	2893.909172732817	75.50936252110978
466	350	258726	-6404.14133	1022737.3170250766	36.83553378	-11.0268368	326167.070329401	434796.623619	3087.5123599566	2967.5188122577842	2893.41678720156	2893.41678720156	74.10221499
467	350	258727	-6338.14133	1022737.3170250766	36.8355915381287	-11.0244833	326368.16262394						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt	BR ElevKgs.fg	BR ElevBothKgs.fg	SatThKgs.fg	SatThBoth.fg
543	550	258805	-11901.14133	102273.7	3170250766	3683759580423	-00.8417021	342064.9740327622	3429479.729	2792.36753084047	2792.107267278988	12.1074932481963	12.371032391918561
546	550	258806	-11241.14133	102273.7	3170250766	368376030	-00.839387	342265.963832814	348476.753279247	2876.963206983178	2802.16631730174305	9.52770738213553	9.799112796
547	550	258807	-10981.14133	102273.7	3170250766	3683710024015	-00.8370152	342466.9334765467	348476.753279247	2876.963206983178	2802.16631730174305	6.855500653157095	7.0558013607866555
548	550	258808	-9261.14133	102273.7	3170250766	368376246138523	-00.8322822	342688.89231733396	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
549	550	258809	-8261.14133	102273.7	3170250766	368376246138523	-00.8322822	342688.89231733396	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
551	550	258810	-8601.14133	102273.7	3170250766	368376246138523	-00.8322822	342688.89231733396	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
552	550	258811	-7941.14133	102273.7	3170250766	3683763641427646	-00.8276413	343370.8560477719	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
553	550	258812	-7281.14133	102273.7	3170250766	368376416333682	-00.8252578	343471.8294	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
554	550	258813	-6661.14133	102273.7	3170250766	368376564	-00.8229454	343672.8081725024	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
555	550	258814	-6061.14133	102273.7	3170250766	368376507	-00.8206108	343873.768752595	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
556	550	258815	-5301.14133	102273.7	3170250766	36837654821623	-00.8182673	344074.7651931497	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
557	550	258816	-4641.14133	102273.7	3170250766	3683765799226684	-00.8159238	344275.744737522	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
558	550	258817	-3981.14133	102273.7	3170250766	36837660496241	-00.8135804	344476.72161147476	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
559	550	258818	-3321.14133	102273.7	3170250766	368376634542346	-00.8112369	344677.6999522726	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
560	550	258819	-2661.14133	102273.7	3170250766	368376659050894	-00.8088894	344878.747829963	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
561	550	258820	-2001.14133	102273.7	3170250766	368376671052148	-00.8064949	345079.6551129885	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
562	550	258821	-1341.14133	102273.7	3170250766	368376682515847	-00.8040264	345280.6326474089	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
563	550	258822	-681.14133	102273.7	3170250766	36837669452076	-00.8018629	345481.610324637	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
564	550	258823	-21.14133	102273.7	3170250766	368376697860356	-00.7995195	345682.58726835897	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
565	550	258824	638.58677303514	102273.7	3170250766	368376689740123	-00.797176	345883.56435516261	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
566	550	258825	1298.58677303514	102273.7	3170250766	368376683095248	-00.7948325	346084.541293495	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
567	550	258826	1988.58677303514	102273.7	3170250766	368376679169231	-00.792489	346285.5180831481	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
568	550	258827	2688.58677303514	102273.7	3170250766	368376662211815	-00.7900452	346486.5176564525	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
569	550	258828	3378.58677303514	102273.7	3170250766	36837663952598	-00.7878021	346687.471765255	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
570	550	258829	4068.58677303514	102273.7	3170250766	368376611236542	-00.7854586	346888.4477652154	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
571	550	258830	4758.5867730351	102273.7	3170250766	368376581953018	-00.7831151	347089.4237606142	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
572	550	258831	5448.5867730351	102273.7	3170250766	36837656142027	-00.7807716	347290.3980104946	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
573	550	258832	6138.5867730351	102273.7	3170250766	36837653904855	-00.7784281	347491.3717322167	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
574	550	258833	6828.5867730351	102273.7	3170250766	368376509876345	-00.7760814	347692.3514688525	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
575	550	258834	7518.5867730351	102273.7	3170250766	3683764819544242	-00.7737412	347893.3277615447	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
576	550	258835	8208.5867730351	102273.7	3170250766	3683764581623374	-00.7713977	348094.3025	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
577	550	258836	8898.5867730351	102273.7	3170250766	3683764317150324	-00.7690542	348295.2778519464	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
578	550	258837	9588.5867730351	102273.7	3170250766	368376402199227	-00.7667107	348496.2503448246	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
579	550	258838	10278.5867730351	102273.7	3170250766	3683763718469593	-00.7643672	348697.2280477016	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
580	550	258839	10968.5867730351	102273.7	3170250766	3683763414665213	-00.7620238	348898.2029525045	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
581	550	258840	11658.5867730351	102273.7	3170250766	3683763114665213	-00.7596803	349099.1776564525	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
582	550	258841	12348.5867730351	102273.7	3170250766	368376281021327	-00.7573368	349300.1522429857	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
583	550	258842	13038.5867730351	102273.7	3170250766	3683762510471824	-00.7549933	349501.126683935	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
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585	550	258844	14418.5867730351	102273.7	3170250766	368376196993945	-00.7503063	349903.07513106335	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
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587	550	258846	15798.5867730351	102273.7	3170250766	368376139943944	-00.7456194	350305.0229962897	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
588	550	258847	16488.5867730351	102273.7	3170250766	36837610943944	-00.7432715	350506.0000000000	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
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590	550	258849	17868.5867730351	102273.7	3170250766	368376043570324	-00.7385889	350907.9432126967	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
591	550	258850	18558.5867730351	102273.7	3170250766	3683760135045114	-00.7362455	351108.9170170797	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
592	550	258851	19248.5867730351	102273.7	3170250766	368375981513802	-00.733902	351309.8902507563	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
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594	550	258853	20628.5867730351	102273.7	3170250766	368375921507005	-00.729215	351711.8671049646	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
595	550	258854	21318.5867730351	102273.7	3170250766	368375891507005	-00.7269715	351912.9082160144	348476.753279247	2876.963206983178	2802.16631730174305	3.8068553001908185	3.76779908456725
596	550												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREVELogKrg.ft	BREVEBothKrg.ft	SatHtLogKrg.ft	SatBothKrg.ft
57	351	295007	-333981.1413	1023397.3170250766	36.79873236930014	-101.985288	243968.7852262211	3496478.183190328	3455.7655189231374	3444.3931167742902	3421.1919986239814	3404.8833591212397	34.1711815030887	39.45576576305057
58	351	295008	-333321.1413	1023397.3170250766	36.79660621344147	-101.9829448	244169.86377061915	3496474.034	3453.424724416159	3443.9677589723156	3418.6132684959633	3405.2169282237034	34.254771081272635	37.8518369494817
59	351	295009	-332661.1413	1023397.3170250766	36.7962659489265	-101.9806817	244370.9426524317	3496469.884639434	3453.02041284678	3441.530840289476	3415.251665756454	3405.033728527474	34.367941123401633	36.7951123401633
60	351	295060	-320001.1413	1023397.3170250766	36.79835185067026	-101.972585	244572.021009044	3496465.7357371235	3451.7689650574635	3440.6034104114914	3411.806307274635	3404.82543726823	34.5784818268064	35.778026615651765
61	351	295061	-331341.1413	1023397.3170250766	36.7987460138756	-101.9759153	24477.097886639	3496461.587054411	3451.4466887766616	3439.387222968704	3407.958406078924	3403.4004107158787	34.42767628877937	36.3453115880971
62	351	295062	-330681.1413	1023397.3170250766	36.79873908400226	-101.9735721	244974.1742951678	3496460.843605941	3451.123926015614	3438.1724264293994	3403.6525774053903	3404.97406881009	34.763901954749881	37.69301954749881
63	351	295063	-330021.1413	1023397.3170250766	36.79919960727594	-101.9712929	245175.25270180232	3496463.290391612	3452.80480638626	3436.964347865376	3409.142098037634	3407.958406078924	34.782224551032384	37.69345315880971
64	351	295064	-329361.1413	1023397.3170250766	36.7994289156027	-101.9688858	24537.329713104285	3496449.12411451	3456.4892177125084	3437.261182271728	3404.5912586532946	3407.958406078924	34.782224551032384	37.69345315880971
65	351	295065	-328701.1413	1023397.3170250766	36.79965156180881	-101.9669426	24557.40654684626	3496444.936	3460.1378756	3434.567441750787	3406.535801988974	3409.38112051418	34.8313894192367	37.69345315880971
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68	351	295068	-326721.1413	1023397.3170250766	36.8003258899105	-101.9595131	246180.633316992	3496432.552323315	3465.521956748904	3421.06112	3408.76815063492	3408.328532229594	34.82292697770278	37.69345315880971
69	351	295069	-326061.1413	1023397.3170250766	36.800549755853	-101.9571699	246381.711032804	3496428.40622896	3465.402918796404	3420.92507490901	3408.95426143188084	3409.38112051418	34.82292697770278	37.69345315880971
70	351	295070	-325401.1413	1023397.3170250766	36.80077230209086	-101.9548627	246582.786621349	3496424.5947458	3465.283808419258	3420.8214307274056	3409.1955026706824	3409.38112051418	34.82292697770278	37.69345315880971
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72	351	295072	-324081.1413	1023397.3170250766	36.8011215717884	-101.9501403	246984.03891617745	3496415.96909004	3464.861834984874	3420.577176185927	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
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75	351	295075	-322101.1413	1023397.3170250766	36.8018835861439	-101.9431108	247588.16057681857	3496403.30080654	3464.85441919017	3422.5863034246866	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
76	351	295076	-321441.1413	1023397.3170250766	36.8021043035479	-101.9407676	247789.2345976404	3496399.34800945	3464.80240912841	3422.566507048081	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
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78	351	295078	-320121.1413	1023397.3170250766	36.802543003911	-101.9360812	248191.38191141132	3496391.036029168	3464.6152964239	3420.56649054789	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
79	351	295079	-319461.1413	1023397.3170250766	36.8027622082624	-101.933768	248392.6586826978	3496386.9895868769	3464.483027470094	3420.4315254132378	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
80	351	295080	-318801.1413	1023397.3170250766	36.802982456121	-101.9313498	248593.521819358	3496382.80566717	3464.35046275655	3418.663427347805	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
81	351	295081	-318141.1413	1023397.3170250766	36.8032011007381	-101.9290516	248794.600654828	3496378.662567187	3464.2261852080038	3417.7914055263022	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
82	351	295082	-317481.1413	1023397.3170250766	36.8034191022074	-101.9267804	248995.6749324538	3496374.518800795	3464.102463984965	3416.983215755103	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
83	351	295083	-316821.1413	1023397.3170250766	36.8036366510195	-101.9243652	249196.74572788303	3496370.2353473	3464.00243523735	3416.240751569415	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
84	351	295084	-316161.1413	1023397.3170250766	36.803863747117375	-101.922022	249397.817044068	3496366.213719092	3464.010202551545	3415.589439	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
85	351	295085	-315501.1413	1023397.3170250766	36.80407639676783	-101.919678	249598.8686826242	3496362.008209341	3510.1811681727575	3415.051254132378	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
86	351	295086	-314841.1413	1023397.3170250766	36.80429150814825	-101.9173359	249799.96112513748	3496357.94057435	3464.010202551545	3414.582175245033	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
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89	351	295089	-312861.1413	1023397.3170250766	36.80493243806644	-101.9103059	250403.17425173352	3496345.518988477	3516.748874924414	3413.596556	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
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91	351	295091	-311541.1413	1023397.3170250766	36.8053607458053	-101.9056198	250805.3515	3496337.234534734	3522.9511740641374	3413.3985132318185	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
92	351	295092	-310881.1413	1023397.3170250766	36.8055742208765	-101.903378	251006.38518710774	3496329.400272516	3528.4191052323786	3413.451753661753	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
93	351	295093	-310221.1413	1023397.3170250766	36.8057872	-101.9009331	251207.4549680297	3496325.982814848	3538.0888182212911	3413.50705521362835	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
94	351	295094	-309561.1413	1023397.3170250766	36.8059998124549	-101.898598	251408.5243195566	3496320.411856333	3542.3569501522975	3413.6562283345093	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
95	351	295095	-308901.1413	1023397.3170250766	36.8062119293476	-101.8962466	251609.598302545	3496320.671137162	3548.9167203268086	3413.789633826086	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
96	351	295096	-308241.1413	1023397.3170250766	36.806423593577	-101.8939034	251810.6623209176	3496316.5306411255	3548.9167203268086	3413.789633826086	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
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99	351	295099	-306261.1413	1023397.3170250766	36.8070570367817	-101.886935	252413.86373623	3496304.902809341	3576.92056726847	3415.01622656506	3409.38112051418	3409.38112051418	34.82292697770278	37.69345315880971
100	351	295100	-305601.1413	1023397.3170250766	36.8072657238361	-101.8845305	252614.764762339	3496300.971017785	3584.05545149593	3415.01622656506	3409.38112051418	3409.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.f	BREIEvBothKrg.f	SatHLogs.f	SatHBoth.f
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184	351	259184	-250161.1413	1023397.3170250766	36.68327373213717	-01.6878049	269303.8046463436	4395953.062888227	3500.850149983793	3345.037553085157	3240.7585948436575	3241.492918	104.27896414685258	104.5407344222457
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190	351	259190	-246201.1413	1023397.3170250766	36.68242968370695	-01.6736349	270710.0896020515	4395928.26787552	3490.34863362578	3338.26906452728	3233.5894525469556	3232.562580162105	104.6765679077227	104.7065240331944
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226	351	259226	-222441.1413	1023397.3170250766	36.68300570874915	-01.5892741	277947.6031103267	4395760.25064547	3500.4654984578165	3300.51294951597	3200.19621162027			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtLogKgr.ft	SatHtBothKgr.ft
299	351	259309	-167661.1413	1023397.3170250766	36.88411908474505	-01.39473708	294633.1192255191	4395439.9326	3340.9505240117023	3174.785017530191	3071.225152280998	3100.486107910238	103.55866524919308	74.29809061995125
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336	351	259336	-149841.1413	1023397.3170250766	36.88441311721038	-01.3314879	300060.6243702115	4395329.560695967	3386.0529881614334	3123.0730249160465	3047.560259098133	3042.423931133575	73.15020900723225	80.6496318024894
337	351	259337	-149181.1413	1023397.3170250766	36.8844233747352	-01.3291457	300268.6407671979	4395325.476334173	3384.71374784823	3121.328861948747	3046.444967577653	3046.417409442934	74.9686245972389	80.816525523415
338	351	259338	-148521.1413	1023397.3170250766	36.884433644436	-01.3268106	300462.321434464	4395321.9234464	3382.31749293131	3119.639271311044	3046.3757393102438	3045.689757933278	74.2780819875067	81.0719951767109
339	351	259339	-147861.1413	1023397.3170250766	36.88444370178936	-01.3244671	300663.671580252	4395317.30866829	3383.392938	3118.076944646543	3044.34455272635	3036.3947432203935	73.73249419	81.1420623137774
340	351	259340	-147201.1413	1023397.3170250766	36.884453870621155	-01.3221237	300864.6869212107	4395313.225	3384.760941642524	3116.8919425180768	3043.305677515453	3035.62692737173	73.3914737666245	81.0505193035965
341	351	259341	-146541.1413	1023397.3170250766	36.88446394578971	-01.3197802	301065.7027094982	4395309.314527751	3383.151449914645	3115.5004640303514	3041.1954504001929	3041.58538613074	73.40503150422226	80.6488776
342	351	259342	-145881.1413	1023397.3170250766	36.8844739568455	-01.3174367	301266.717043094	4395305.058356293	3377.5214338376671	3114.415302808853	3040.019679	3034.296724268926	73.3958009	80.1187801999273
343	351	259343	-145221.1413	1023397.3170250766	36.884483960305658	-01.3150933	301467.731812004	4395301.934761875	3371.605684683971	3113.371362192344	3038.839805	3032.629952130935	73.5330646780523	79.7425870925188
344	351	259344	-144561.1413	1023397.3170250766	36.8844938961374	-01.3127498	301668.743073046	4395298.82070495	3370.4011504574803	3112.328861948747	3046.3757393102438	3045.689757933278	74.2780819875067	81.0719951767109
345	351	259345	-143901.1413	1023397.3170250766	36.88450379372954	-01.3104063	301869.760777958	4395292.810234138	3368.75926242051	3111.310122	3038.775936638777	3029.847391382028	74.534185391382028	81.46272291978729
346	351	259346	-143241.1413	1023397.3170250766	36.88451364252604	-01.3080628	302070.7744564867	4395288.72599084	3366.903503841026	3110.2179505297523	3035.0054277081636	3028.891261841926	75.2704758935942	81.38464354560033
347	351	259347	-142581.1413	1023397.3170250766	36.8845234460524	-01.3057194	302271.7888479196	4395284.64997475	3391.7572133148	3109.235695646165	3033.714518042495	3028.891261841926	75.2704758935942	81.38464354560033
348	351	259348	-141921.1413	1023397.3170250766	36.8845320430476	-01.3033759	302472.8027476978	4395280.56420152	3389.49620630468	3108.19138074857	3032.504204705272	3026.65247881806	75.6889573428462	81.538919299627
349	351	259349	-141261.1413	1023397.3170250766	36.88454291728318	-01.3010324	302678.815342249	4395276.482582825	3387.25699090909	3107.14137765166	3032.048098061117	3025.694862849325	75.89276787	81.23545120884093
350	351	259350	-140601.1413	1023397.3170250766	36.8845525486769	-01.2986889	302874.829767119	4395272.40133479	3385.6845474988154	3107.0832562795445	3032.749635388806	3024.779635244859	76.17177199	81.3062529468543
351	351	259351	-139941.1413	1023397.3170250766	36.8845623951874	-01.296391	303088.829767119	4395268.438927028	3383.71374784823	3106.0328861948747	3046.3757393102438	3045.689757933278	74.2780819875067	81.0719951767109
352	351	259352	-139281.1413	1023397.3170250766	36.88457178451575	-01.294002	303284.950616383	4395264.23940272	3382.284540829224	3103.934176171376	3032.71960730858	3022.52883194737	76.17123948	81.4052529029797
353	351	259353	-138621.1413	1023397.										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.	BRElevBothKrg.	SatHLogKrg.	SatHBothKrg.
431	351	259435	-84501.141313	1023397.3170250766	36.68520886215557	-101.0994917	319960.2863943787	439426.337	3122.0123879538196	3003.773240685131	2926.601957366367	2932.214976	77.17128331876933	71.55826429272086
436	351	259436	-83841.141313	1023397.3170250766	36.68521463624795	-101.0971482	320161.28397737467	439422.715182121	3116.8552686552793	3003.501918	2924.3081309923236	2931.6937864635415	78.19376969456137	71.80381317
437	351	259437	-83181.141313	1023397.3170250766	36.68520365796765	-101.094946	320362.38138262611	439418.2140183621	3111.6892651267654	3003.238711708229	2922.40276374886254	2931.038178288914	80.7871423	72.19753304041632
438	351	259438	-82521.141313	1023397.3170250766	36.68520648607018	-101.0924611	320563.7868182426	439414.115305867	3106.54111384255	3003.773240779311	2920.755448025019	2931.613080273634	82.74196509560156	71.35736800494174
439	351	259439	-81861.141313	1023397.3170250766	36.68521366874026	-101.0901176	320764.275652652	439410.092382467	3104.018265504504	3002.700393935053	2919.324102704565	2931.053504120337	83.76292123003802	69.59954032364649
440	351	259440	-81201.141313	1023397.3170250766	36.68522779865274	-101.0877741	320965.2727379865274	439406.031914639	3095.200338449604	3002.4180721360376	2917.4516975561464	2931.034329705127	84.73673460423017	70.484721626391
441	351	259441	-80581.141313	1023397.3170250766	36.68524827582194	-101.0854306	321166.26902698236	439401.97186838	3088.563264322774	3002.1153157226615	2915.154096746873	2931.3741724569	86.96122505	70.74059828009285
442	351	259442	-79891.141313	1023397.3170250766	36.68524830023434	-101.083087	321367.2658052532	439397.911668365	3083.517366419571	3001.776358744738	2913.350343906246	2930.980265298977	88.426018349057	70.79603435
443	351	259443	-79221.141313	1023397.3170250766	36.685230365379	-101.0807438	321568.2671680844	439393.852	3086.84426923687	3001.578662517865	2910.7790217763104	2930.106335861867	90.59964074155475	71.27170865989828
444	351	259444	-78561.141313	1023397.3170250766	36.6852591990301	-101.0784	321769.2505469284	439389.7324695	3081.3400116456223	3000.9873077021	2907.556348930026	2930.4320051181	93.3104357	70.4543730961098
445	351	259445	-77901.141313	1023397.3170250766	36.68526456556598	-101.076065	321970.254369171	439385.73033109	3081.8356113662053	3000.265528302973	2905.665922507789	2931.42138	96.966515	87.8703783152303
446	351	259446	-77241.141313	1023397.3170250766	36.68526986703261	-101.073713	322171.2502102874	439387.673504249	3082.331056783884	2999.4610326132465	2901.618997708195	2901.6464271415152	99.24413284	97.81460547173128
447	351	259447	-76581.141313	1023397.3170250766	36.68527516310125	-101.0713684	322372.2458784077	439388.71	3080.6026668017	2998.458177626222	2899.017113393836	2897.500233235835	97.16563102941387	90.05785408786888
448	351	259448	-75921.141313	1023397.3170250766	36.6852803939109	-101.0690259	322573.2417336845	439389.5476832	3077.666012	2997.291054330954	2899.0478504259254	2896.790424329548	98.2130203502842	90.0476300120761
449	351	259449	-75261.141313	1023397.3170250766	36.68528558	-101.066824	322742.2369652285	439389.49809495	3074.904081954874	2995.304061954874	2897.59517532955	2897.079682300406	96.53588684219185	98.62472389
450	351	259450	-74601.141313	1023397.3170250766	36.6852907194463	-101.0643389	322975.213465334	439389.439011524	3071.7804216142368	2994.430695909022	2899.0541710932305	2898.4411617712425	94.4020420579163	95.9953402177766
451	351	259451	-73941.141313	1023397.3170250766	36.6852961460875	-101.061954	323176.228635147	439389.38200477	3070.58232564248	2992.894023786478	2899.362946804046	2898.72538712534	92.917770243014	94.16926337384226
452	351	259452	-73281.141313	1023397.3170250766	36.68530084297346	-101.0596158	323377.22163048276	439389.323430936	3069.435719481976	2991.303487280508	2900.6751954761356	2899.309267	90.623377	91.9142273191365
453	351	259453	-72621.141313	1023397.3170250766	36.68530886710635	-101.0573083	323578.2162646314	439389.26844055	3067.72551324654	2990.679540137423	2900.7397142010036	2900.033900448972	88.9382653041931	89.645396884509
454	351	259454	-71961.141313	1023397.3170250766	36.68531088	-101.0549648	323779.2107717995	439389.20911108	3067.6062668017	2998.040304	2900.868410523686	2900.180285958117	87.16563102941387	87.8530819699282
455	351	259455	-71301.141313	1023397.3170250766	36.6853157122654	-101.0526213	323980.250183248	439485.153	3104.81388104001	2986.37492763208	2900.534301987297	2900.125014412719	85.8387943	86.24748321108927
456	351	259456	-70641.141313	1023397.3170250766	36.68532061011962	-101.0502777	324118.1991387244	439484.095376683	3104.81721025665	2986.26822395357	2900.2648195711037	2900.256556700004	84.4314087873324	84.7605707863278
457	351	259457	-69981.141313	1023397.3170250766	36.68532542710152	-101.047846	324319.250183248	439479.32301614	3086.40559	2985.04016104447	2899.1230145457	2899.22408027	82.11644750473	86.6492877
458	351	259458	-69321.141313	1023397.3170250766	36.68533021146504	-101.0455907	324583.186955145	439482.92868947	3103.203895485928	2981.294941321019	2899.514544173123	2899.24442003286	81.7790471478951	82.050072818307
459	351	259459	-68661.141313	1023397.3170250766	36.68533404410046	-101.0432472	324784.1805729313	439483.09653419	3099.63544134945	2979.57367169517	2898.851864385527	2898.655046341885	80.71551403389004	80.91231658
460	351	259460	-68001.141313	1023397.3170250766	36.68533963189623	-101.0409306	324985.1740162236	439482.810619705	3093.1030920521	2977.82175259241	2898.171864799188	2898.0258540323	79.64991046005571	79.819189559101
461	351	259461	-67341.141313	1023397.3170250766	36.68534421405656	-101.0385601	325186.167723216	439482.815462427	3086.545407790605	2976.056334401788	2897.438341907884	2897.500233235835	78.68149365109628	78.7668689509621
462	351	259462	-66681.141313	1023397.3170250766	36.68534871041512	-101.0362166	325387.16037434025	439481.76061592	3079.990514497162	2974.26930825529	2898.683259276052	2898.7542429377	77.5859454632372	77.72194343639171
463	351	259463	-66021.141313	1023397.3170250766	36.68535322710152	-101.0338791	325588.1532169976	439481.76061592	3078.035698222378	2972.581364675862	2898.683259276052	2898.7542429377	76.54952877	76.6492877
464	351	259464	-65361.141313	1023397.3170250766	36.6853579209517	-101.0315298	325789.1460595312	439481.76061592	3077.02673003921	2970.620197843123	2894.919279037413	2894.919279037413	75.399777569297	75.70087242907998
465	351	259465	-64701.141313	1023397.3170250766	36.68536330019388	-101.029186	325990.1386479798	439480.955293025	3083.28302554729	2968.75222665473	2894.503565557626	2894.484054529104	74.18356610881165	74.2688513546369
466	351	259466	-64041.141313	1023397.3170250766	36.6853660072172	-101.0268425	326191.130761316	439480.54083342	3085.90903246246	2968.85444716543	2894.0835714723157	2893.962173506134	72.8701306969892	72.8701306969892
467	351	259467	-63381.141313	1023397.3170250766	36.68537118	-101.024499	326392.123317247	439476.94860395	3087.11416414226	2966.9229198482876	2893.597373616828	2893.481137589995	71.32556423145961	71.4347860828909
468	351	259468	-62721.141313	1023397.3170250766	36.685375186726	-101.0221554	326593.1153994114	439476.42860515	3086.896307068782	2962.55564149027	2893.2738953053234	2893.071571702782	69.8615936157315	69.8386704624248
469	351	259469	-62061.141313	1023397.3170250766	36.685379781874126	-101.0198119	326794.1701325814	439476.78830806	3086.678450259301	2960.561862657205	2892.760195918375	2892.679584761298	68.914967545959	68.7270907919268
470	351	259470	-61401.141313	1023397.3170250766	36.68538420019421	-101.0174684	326995.0905714245	439474.225301614	3086.40559	2959.01105	2892.298461740927	2892.22408027	67.914967545959	67.914967545959
471	351	259471	-60741.141313	1023397.3170250766	36.68538820656142	-101.0151248	327196.0906341944	439470.271996146	3086.32748545428	2956.832748544598	2891.7147204678963	2891.7147204678963	66.91182057378585	66.1580570081942
472	351	259472	-60081.141313	1023397.3170250766	36.68539230414884	-101.0127813	327397.0820340531	439476.718921664	3087.018407852315	2954.71703408622	2891.072151693516	2890.937010954804	64.6448821510589	63.780029537413
473	351	259473	-59421.141313	1023397.3170250766	36.68539644914681	-101.0104378	327598.0723842267	439476.216987184	3084.766210680227	2952.56587851083	2890.11075900441	2889.93147704966	62.44542176064205	62.339018
474	351	259474	-58761.141313	1023397.3170250766	36.6854005277622	-101.0080943	327799.06453790774	439476.11346594	3056.135409231344	2950.396844895046	2888.85619119512	2888.67702112497	61.5176537	61.702623270707376
475	351	259475	-58101.141313	1023397.3170250766	36.685405113016	-101.0057057	328000.05562543013	439476.01083995	3055.167716099535	2948.161105928491	2887.28978	2887.214064200314	60.871326558075	60.9470417246403
476	351	259476	-57441.141313	1023397.3170250766	36.68540847420853	-101.0034077	328201.04600336	439476.0083344	3051.862547041694	2945.918717105726	2885.741711616035	2885.59734724758	60.32097631466877	60.32097631466877
477	351	259477	-56781.141313	1023397.3170250766	36.68541290710152	-101.0011248	328402.04600336	439476.0083344	3051.862547041694	2945.918717105726	2885.741711616035	2885.59734724758	59.8143175383393	59.8143175383393
478	351	259478	-56121.141313	1023397.3170250766	36.68541626	-100.9987201	328603.026818893	439475.90532438	3051.25408006135	2941.36771357102	2882.142895809028	2882.01893	59.27477613755	59.8676097051765
479	351	259479	-55461.141313	1023397.3170250766	36.68542009179048	-100.9963766	328804.071							

ix	iy	ic	X.Lt	Y.Lt	Latitude	Longitude	UTM.X	SurfElev.	W.Lt	BRIElevLogs.Kr.ft	BRIElevBothKrg.ft	SatThtLogs.ft	SatThtBoth.ft
501	259561	-1341.141327	1023397.3170250766	36.685579853222986	-100.8042066	345284.6702295284	4394416.419325569	2923.902280073273	2767.573812297813	2778.4997180129512	2778.294233987629	0	0
502	259562	-481.1413269	1023397.3170250766	36.685579853225647	-100.78183	345485.6474	4394412.387040244	2926.106714912627	2765.554573355338	2776.757667279559	2776.489697288791	0	0
503	259563	-1341.1413269	1023397.3170250766	36.68557914041083	-100.78618	345666.524	4394408.354913114	2928.3174533380407	2763.877756758991	2774.818483483185	2774.818483483185	0	0
504	259564	638.85677303514	1023397.3170250766	36.68557992504876	-100.780179	345687.6012078506	4394404.32305179	2918.5344113309365	2761.643961842625	2772.9638110593327	2772.9638110593327	0	0
505	259565	1298.85677303514	1023397.3170250766	36.68557989023555	-100.7948324	346088.5779027294	4394400.291421421	2910.751447323473	2759.752517600013	2771.072673517906	2770.860677847967	0	0
506	259566	1958.85677303514	1023397.3170250766	36.6855797428419	-100.792488	346289.5544904763	4394396.26020034	2902.964531331607	2757.9023051879176	2768.9748538308384	2768.7537424449946	0	0
507	259567	3218.85677303514	1023397.3170250766	36.68557950026896	-100.7901453	346490.5308470949	4394392.228850411	2901.96986539788	2756.092719414201	2766.961537	2766.961537	0	0
508	259568	6278.85677303514	1023397.3170250766	36.68557936977786	-100.787818	346691.507096929	4394388.198	2907.756869948166	2754.3243326661	2766.049738945931	2765.749744249946	0	0
509	259569	9338.85677303514	1023397.3170250766	36.68557914041083	-100.7856487	346892.4831989762	4394384.16720018	2914.5415074458446	2752.897088685684	2766.4532427899453	2766.293732986693	0	0
510	259570	1258.8567730351	1023397.3170250766	36.6855784756814	-100.7831147	347093.4591532506	4394380.136720015	2919.327379048735	2750.91079617331	2766.752521642101	2766.752521642101	0	0
511	259571	2528.8567730351	1023397.3170250766	36.68557850944945	-100.7807711	347294.34396002036	4394376.106470171	2921.707040978133	2749.2624338372605	2767.0442289564035	2767.03809085445	0	0
512	259572	5918.8567730351	1023397.3170250766	36.68557812605494	-100.7784276	347495.4016194396	4394370.07645033	2920.682336026622	2747.65324	2766.5175725817226	2766.605331369485	0	0
513	259573	6578.8567730351	1023397.3170250766	36.68557768738456	-100.7760841	347696.38613187475	4394364.66660083	2919.6570679561123	2746.081605494568	2765.9877081418604	2766.19052838869	0	0
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522	259582	12518.8567730351	1023397.3170250766	36.6855718015771	-100.7549822	349505.19515871784	4394331.76907662	2901.230522486701	2733.6199779561894	2747.71716384586	2748.684573131458	0	0
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524	259584	13838.8567730351	1023397.3170250766	36.68556993802434	-100.7503051	349907.1071188464	4394323.7315963	2898.09096775269	2731.249608611896	2742.716392867203	2742.14012635464	0	0
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526	259586	15158.8567730351	1023397.3170250766	36.6855604236700	-100.745618	350309.05400123013	4394315.680331683	2872.5357758516116	2729.0131686640507	2737.572508262194	2737.654155973015	0	0
527	259587	15818.8567730351	1023397.3170250766	36.685565694204804	-100.7432745	350510.028	4394311.65376277	2865.485864	2727.944688843935	2734.8983428885617	2734.9321967684724	0	0
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533	259593	19778.856773035	1023397.3170250766	36.68555916048096	-100.7292133	351715.865907396	4394287.49175584	2826.7534438182	2722.08655482135	2718.3270869250296	2718.40128886979	3.795956851763643	3.665365724142957
534	259594	20438.856773035	1023397.3170250766	36.6855582658503	-100.726897	351916.833874337	4394280.204716989	2820.2054481389573	2721.157178004834	2715.287045385875	2715.407267829731	5.759575741460842	5.68734997752621
535	259595	21098.856773035	1023397.3170250766	36.685558184611	-100.724582	352171.8107083139	4394279.44987136	2792.55498438987	2720.245685731326	2721.2369197457388	2721.625647300894	7.88191902728561	7.88191902728561
536	259596	2178.856773035	1023397.3170250766	36.685558184611	-100.722162	352318.762930724	4394275.424870323	2776.3449840108	2720.245685731326	2721.2369197457388	2721.625647300894	9.96330879053227	9.96330879053227
537	259597	22418.856773035	1023397.3170250766	36.68555830254854	-100.7198391	352519.754937139	4394271.007471809	2760.17516956383	2718.207350801457	2720.16353366609	2720.7653307616843	12.061966513636848	12.061966513636848
538	259598	23078.856773035	1023397.3170250766	36.68555265974515	-100.7174956	352720.7268390466	4394267.376678286	2743.985342565556	2717.1183924486296	2720.674178671341	2720.4219674821573	14.364733808215963	12.899717663052447
539	259599	23738.856773035	1023397.3170250766	36.6855506013236	-100.715152	352921.686959342	4394263.32686444	2735.00319560016	2715.881590284774	2720.2190655330085	2720.5996386354334	13.86243718243140526	13.86243718243140526
540	259600	24388.856773035	1023397.3170250766	36.68554900914416	-100.7128085	353122.6702181081	4394259.32828447	2734.44341	2714.81378634758	2720.349492705527	2720.1854082286178	13.46429492320618	12.95970534857904
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542	259602	25718.856773035	1023397.3170250766	36.6855457095109	-100.708124	353524.613	4394251.26281213	2802.28421527506	2712.434803007748	2720.0452652738085	2720.95866754422558	10.38614302693758	10.38614302693758
543	259603	26418.856773035	1023397.3170250766	36.6855434878204	-100.7058719	353725.5842272003	4394247.325827719	2802.4574722472805	2711.249608611896	2720.16353366609	2720.7653307616843	12.061966513636848	12.061966513636848
544	259604	27038.856773035	1023397.3170250766	36.68554157178458	-100.703443	353926.5552819825	4394243.327167252	2806.15625841021	2710.029367285986	2720.371853713264	2720.8862680336295	7.63219112860233	7.63219112860233
545	259605	27698.856773035	1023397.3170250766	36.68554007428766	-100.701908	354127.52619614	4394239.21836416	2802.4574722472805	2708.810092889147	2720.743545697477	2720.2328627553913	6.446463591345707	5.59402653323447
546	259606	28358.856773035	1023397.3170250766	36.68554015114955	-100.6987473	354328.9649700443	4394235.193	2798.67521296205	2707.602373845244	2720.902765313013	2720.36325385401	4.699960632231045	4.23854859842911
547	259607	29008.856773035	1023397.3170250766	36.6855401664307	-100.6964037	354529.46760390745	4394231.178692382	2806.382500309583	2707.996939577315	2722.722729300645	2722.722729300645	3.582836132867464	3.51530079
548	259608	29678.856773035	1023397.3170250766	36.685534170142176	-100.694062	354730.481	4394227.14096439	2812.817312001523	2705.1569253492426	2720.35581	2720.722729300645</		

ix	iy	ix	iy	X.1ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatBTHLog.f	SatBTHBoth.f
591	352	259687	81818.85867730335	102.3397	3170250766	36.685232046543994	-100.5089213	70660.6828656932	4393910.156786941	72682.9876387182458	23.622,11427777781	2596.290193584173	2597.965491571171	38.222793.1684277	34.14686126690525
598	351	259688	82478.85867730335	102.3397	3170250766	36.68526411177966	-100.506878	70807.6428727034	439396.15382502	2748.810059158250	26.31523,60912711004	2596.3737125876584	2597.00706894075	35.244863355192	35.6170272303546
599	351	259689	83788.85867730335	102.3397	3170250766	36.68526702053617	-100.504243	71009.6208740696	439392.15025434	2744.611914522454	26.31523,60912711004	2596.3737125876584	2597.00706894075	35.244863355192	35.6170272303546
600	351	259690	83798.85867730335	102.3397	3170250766	36.68521500461949	-100.501809	71209.56238500447	439398.152937241	2740.49128018076	26.31523,60912711004	2596.3737125876584	2597.00706894075	35.244863355192	35.6170272303546
601	351	259691	84458.85867730335	102.3397	3170250766	36.6852092324767	-100.4995473	71410.5129999476	439394.144598844	2737.32274682926	26.29,8896042741176	2590.519251451213	2589.87351037056	35.2305322290435	40.01605323706144
602	351	259692	85118.85867730335	102.3397	3170250766	36.68520342	-100.4972038	71611.481878029	439380.14212852	2735.27077072027	26.29,8896042741176	2590.519251451213	2589.87351037056	35.2305322290435	40.01605323706144
603	351	259693	85778.85867730335	102.3397	3170250766	36.6851955218586	-100.4948602	71812.400635327697	439386.139887718	2733.962035945174	26.28,49005853942	2585.876414224725	2585.498265437232	42.6136434171702	42.99179312202601
604	351	259694	86438.85867730335	102.3397	3170250766	36.6851914820138	-100.4925167	72013.440069575	439382.137878884	2730.932031851878	26.27,7176983670734	2583.740581144923	2583.31370351935	43.9771102525814	44.4046783521517
605	351	259695	87098.85867730335	102.3397	3170250766	36.68519076559304	-100.490173	72214.25918130265	439379.13693957	2727.51722247757	26.26,811989077476	2581.428303740831	2581.094327682684	45.3385135685823	46.769239585817
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609	351	259699	89738.85867730335	102.3397	3170250766	36.68516143388874	-100.4807991	73018.194156351	439362.131251807	2707.720483471178	26.23,201121289765	2572.009976763075	2571.69090118267	51.61292010749822	51.61922010749822
700	351	259700	90398.85867730335	102.3397	3170250766	36.6851552532116	-100.4784556	73219.15292127027	439358.130613747	2703.33693219686	26.22,339603820667	2569.448258608724	2569.126401173434	52.904671156229	53.22750521684384
701	351	259701	91058.85867730335	102.3397	3170250766	36.685149013178415	-100.4761121	73420.11111111111	439354.130205051	2696.342966253100	26.22,339603820667	2567.230697277806	2567.230697277806	54.14893432	55.13295440860374
702	351	259702	91718.85867730335	102.3397	3170250766	36.6851427611605	-100.473768	73621.10695703847	439350.13	2689.15405211249	26.20,3874648569285	2562.90177795789	2562.853818024295	57.48567706113529	57.53364832820074
703	351	259703	92378.85867730335	102.3397	3170250766	36.685136476787	-100.4714251	73822.02727	439346.1304701155	2683.088208350127	26.19,378228740593	2559.817382220793	2559.742061387895	59.86361752664415	60.17001752664415
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705	351	259705	93698.85867730335	102.3397	3170250766	36.685112368	-100.4667381	74223.9436241354	439338.130895925	2670.2040485628	26.17,309243732514	2553.458284849324	2553.295027602523	63.8546148875165	64.01673811
706	351	259706	94358.85867730335	102.3397	3170250766	36.68511228.3957	-100.4643496	74424.9014263851	439334.131594715	2665.25095430423	26.16,248905549829	2550.240183	2550.016227804943	65.86076768716898	66.0327270887719
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708	351	259708	95678.85867730335	102.3397	3170250766	36.68511046719015	-100.4597075	74826.8165658837	439326.137353004	2664.30211952953	26.14,0783334191833	2548.0161952124	2548.0161952124	70.02673470508	70.02673470508
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710	351	259710	96998.85867730335	102.3397	3170250766	36.685090978519014	-100.4550025	75226.8165658837	439318.137	2667.050522705056	26.11,83381535052	2538.578551	2537.730606904696	73.2552642824207	74.10314953852823
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712	351	259712	98318.85867730335	102.3397	3170250766	36.6850779652004	-100.4503335	75630.6456258654	439310.14081024	2679.75097161324	26.09,496903187121	2533.945732796549	2532.502572906238	76.5511703905227	76.5511703905227
713	351	259713	98978.85867730335	102.3397	3170250766	36.685071261897	-100.44779	75831.6028166114	439306.14315162	2677.762426142152	26.08,287566015172	2531.54779042089	2529.98560775887	78.3019634282678	78.3019634282678
714	351	259714	99638.85867730335	102.3397	3170250766	36.6850640000992	-100.445465	76032.5594158164	439302.1457209615	2696.773876152871	26.07,47906314982	2529.105726758636	2527.430676811047	79.74218009311828	79.74218009311828
715	351	259715	100298.85867730335	102.3397	3170250766	36.685057142307855	-100.443083	76233.5161	439298.13	2697.7638149	26.06,7798989231104	2527.948162857398	2526.8195286839	81.0962714102483	81.0962714102483
716	351	259716	100958.85867730335	102.3397	3170250766	36.68505023927376	-100.440695	76434.103832053	439294.151530077	2694.470582330757	26.04,47171876703	2525.448114039255	2525.102781609353	82.65586242311538	82.65586242311538
717	351	259717	101618.85867730335	102.3397	3170250766	36.6850432085858	-100.438616	76635.42931132996	439290.157922357	2686.89532200703	26.03,131450410875	2521.050594805666	2521.19119511122906	82.80085561	83.836342958445
718	351	259718	102278.85867730335	102.3397	3170250766	36.68503629727936	-100.4362725	76836.3856751702	439286.1572446	2680.465629439	26.01,7578179935495	2517.7045861327297	2517.618220277316	83.836342958445	85.5799727
719	351	259719	102938.85867730335	102.3397	3170250766	36.685029583805	-100.433929	77037.3419219813	439282.16198533	2677.4049327349245	26.00,3504448128647	2514.315805	2512.7836373040487	86.9343684871489	87.5668074281598
720	351	259720	103698.85867730335	102.3397	3170250766	36.685022174221935	-100.4315854	77238.29805196926	439278.159625011	2663.971835305503	25.99,91033505503	2511.0043092017713	2509.51393169689	87.90602610371362	89.3960413381402
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722	351	259722	104918.85867730335	102.3397	3170250766	36.685007905539	-100.426984	77640.208625043	439270.17440939	2662.7638149	25.96,526578113486	2508.32602710383	2507.948162857398	92.088907246229	93.604571402483
723	351	259723	105678.85867730335	102.3397	3170250766	36.6850005607496	-100.424549	77841.1673405347	439266.171916689	2661.059927872054	25.94,098907832593	2507.948162857398	2507.948162857398	94.00700177254484	95.7674850550528
724	351	259724	106238.85867730335	102.3397	3170250766	36.68499338	-100.4222114	78042.121407701	439262.1839741	2645.709731621272	25.92,852546307627	2496.1100774119823	2494.751054967957	96.7424684	98.1374913796487
725	351	259725	106898.85867730335	102.3397	3170250766	36.68498607426915	-100.4198679	78243.076567668	439258.18901547	2641.97372164085	25.91,237372164085	2492.985933439405	2491.68891763974	98.2877872033485	99.583034227116
726	351	259726	107558.85867730335	102.3397	3170250766	36.68497818455305	-100.4175244	78444.032901379	439254.1949371	2635.00039839347	25.89,670546100595	2491.36967020336	2490.185914115534	99.84619849748	101.33987281643
727	351	259727	108218.85867730335	102.3397	3170250766	36.6849713136603	-100.4151809	78644.987	439250.13980803	2633.93063296908	25.88,04741340642	2491.7496082156138	2490.78207156138	99.2691330952795	99.2691330952795
728	351	259728	108878.85867730335	102.3397	3170250766	36.684963871020054	-100.4128374	78845.2491030847	439246.20567744	2632.5370840423	25.86,300525279071	2490.603770054945	2490.78207156138	99.2691330952795	99.2691330952795
729	351	259729	109538.85867730335	102.3397	3170250766	36.6849563976339	-100.4104854	79046.208625043	439242.17440939	2631.4738149	25.85,5265				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.	BRElevBothKrg.	SatHvegLog.s	SatHBothH.
73	352	259813	-323241.1413	1024057.3170250766	36.68195669851611	-101.9478258	247190.16920320457	4396613.153514374	357.597876415683	332.5518029421514	3393.0309387512048	3398.619758032763	30.52086419049668	24.93204043888424
74	352	259814	-322761.1413	1024057.3170250766	36.68197912315087	-101.9454826	247391.243576119506	4396609.007623615	3458.5007912078577	342.4540674845045	3392.586155289423	3396.8071765920414	29.867917175317542	25.6955955493916
75	352	259815	-322191.1413	1024057.3170250766	36.68200124894985	-101.9431383	247592.512489516842	4396604.86181192	3461.495253481226	3421.377121248995	3391.88837323247	3393.845510425719	29.48892617657876	27.422101823217417
76	352	259816	-321441.1413	1024057.3170250766	36.682023321258654	-101.9407761	247739.391371812065	4396600.716567048	3468.5812031577827	3420.320453453609	3391.108770595426	3391.27776954346	29.21164547064615	28.5926549917279
77	352	259817	-320781.1413	1024057.3170250766	36.68204534830258	-101.9384528	247994.46697541494	4396596.561387169	3471.667173	3419.2868198908313	3390.159755818606	3390.688722336093	29.12706472225494	28.5980975437816
78	352	259818	-320121.1413	1024057.3170250766	36.68206733007965	-101.9361096	248195.5381727548	4396587.427461151	3476.7514206712614	3418.2823664351524	3388.971263464921	3389.213270509149	28.94266772021571	28.5980975437816
79	352	259819	-319461.1413	1024057.3170250766	36.682109666593095	-101.9337663	248396.6119962033	4396580.427370369	3482.338347717408	3417.315057626763	3387.56461	3387.71156330606793	28.94266772021571	28.5980975437816
80	352	259820	-318801.1413	1024057.3170250766	36.68211157834116	-101.931423	248597.683765398	4396584.172313098	3488.42278695305	3416.39411993625	3386.33846844643	3387.184556139393	28.94266772021571	28.5980975437816
81	352	259821	-318141.1413	1024057.3170250766	36.682130811131	-101.9290768	248796.7458316584	4396579.983010185	3494.5014259102532	3415.528892747033	3385.1442394803158	3385.8201890728014	28.94266772021571	28.5980975437816
82	352	259822	-317481.1413	1024057.3170250766	36.68215480542127	-101.9267285	248999.5276726167	4396575.849001537	3500.1565442101	3414.72859565047	3384.0054420525	3385.76392912233	28.94266772021571	28.5980975437816
83	352	259823	-316821.1413	1024057.3170250766	36.68217656	-101.9243933	249009.9008183386	4396571.70027112	3503.67157554564	3414.001043014383	3383.1200930934707	3384.43868089956	28.94266772021571	28.5980975437816
84	352	259824	-316161.1413	1024057.3170250766	36.68219827014079	-101.92205	249401.9726035003	4396567.561869092	3503.746176959299	3413.35296684274	3382.3454745270833	3384.100964	28.94266772021571	28.5980975437816
85	352	259825	-315501.1413	1024057.3170250766	36.68221993500509	-101.9197067	249603.0441404627	4396563.41838901	3503.651038916312	3412.7910353970437	3381.803680300512	3383.05907354548	28.94266772021571	28.5980975437816
86	352	259826	-314841.1413	1024057.3170250766	36.68224154692396	-101.9173635	249804.154292975	4396562.273091045	3503.8589936936	3412.184910141067	3381.116905911855	3381.1695812593383	28.94266772021571	28.5980975437816
87	352	259827	-314181.1413	1024057.3170250766	36.68226312906762	-101.9150022	250055.1844710766	4396559.132	3504.470412786113	3411.338323214575	3380.530004	3381.103945393999	28.94266772021571	28.5980975437816
88	352	259828	-313521.1413	1024057.3170250766	36.68228465817574	-101.912679	250206.2572672022	4396550.9898608	3505.5445782405	3411.651945201838	3379.67866540341	3380.487242732275	28.94266772021571	28.5980975437816
89	352	259829	-312861.1413	1024057.3170250766	36.68230610241677	-101.9103337	250407.327815211	4396545.47885484	3506.61840450538	3411.4569062409087	3379.113715949241	3379.3204901895033	28.94266772021571	28.5980975437816
90	352	259830	-312201.1413	1024057.3170250766	36.68232758059057	-101.9079094	250608.3891166936	4396542.705637905	3507.69291	3411.3501764340486	3378.311901834423	3378.363371592264	28.94266772021571	28.5980975437816
91	352	259831	-311541.1413	1024057.3170250766	36.68234897389715	-101.9056471	250809.46817205433	4396538.3642696	3513.03079944074	3411.327281346813	3377.384688716875	3376.9618663838	28.94266772021571	28.5980975437816
92	352	259832	-310881.1413	1024057.3170250766	36.68237012303645	-101.9033038	251010.5378080812	4396534.241796158	3512.2633123037975	3411.282630106982	3376.241481202599	3376.194100805966	28.94266772021571	28.5980975437816
93	352	259833	-310221.1413	1024057.3170250766	36.68239316247088	-101.9009068	251211.6075436854	4396530.28033675	3512.234027	3411.52116	3374.88842902519	3374.888414507098	28.94266772021571	28.5980975437816
94	352	259834	-309561.1413	1024057.3170250766	36.68241288	-101.8986173	251412.6166605905	4396526.13916131	3513.57186729823	3411.57186729823	3373.731501164592	3373.731501164592	28.94266772021571	28.5980975437816
95	352	259835	-308901.1413	1024057.3170250766	36.682431889406	-101.8968113	251627.6215959159	4396524.185092031	3514.172325438797	3411.29638282509	3374.19584689224	3374.19584689224	28.94266772021571	28.5980975437816
96	352	259836	-308241.1413	1024057.3170250766	36.68245526122055	-101.8939307	251814.8147577497	4396517.85470052	3515.552737768174	3412.2283535460976	3373.69052428167	3373.69052428167	28.94266772021571	28.5980975437816
97	352	259837	-307581.1413	1024057.3170250766	36.68247638312255	-101.8915874	252015.883338744	4396513.71697459	3516.50426256435	3412.5043366268748	3373.69052428167	3373.69052428167	28.94266772021571	28.5980975437816
98	352	259838	-306921.1413	1024057.3170250766	36.68249746	-101.8892442	252216.9516740075	4396509.5712663	3516.50426256435	3412.5043366268748	3373.69052428167	3373.69052428167	28.94266772021571	28.5980975437816
99	352	259839	-306261.1413	1024057.3170250766	36.68251849072467	-101.8869099	252418.0197648135	4396505.43688432	3516.50426256435	3412.5043366268748	3373.69052428167	3373.69052428167	28.94266772021571	28.5980975437816
100	352	259840	-305601.1413	1024057.3170250766	36.6825394762349	-101.8845576	252619.0871101664	4396501.269891103	3514.54223956557	3412.723877587796	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
101	352	259841	-304941.1413	1024057.3170250766	36.68257051343536	-101.8821143	252820.15821281943	4396497.157313445	3514.54223956557	3412.723877587796	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
102	352	259842	-304281.1413	1024057.3170250766	36.68260131202776	-101.879871	253021.22279428	4396493.018005193	3514.54223956557	3412.723877587796	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
103	352	259843	-303621.1413	1024057.3170250766	36.68260216271744	-101.8775277	253222.28984051	4396487.78914442	3515.3021307308952	3411.20989798095	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
104	352	259844	-302961.1413	1024057.3170250766	36.68262296754634	-101.8751844	253423.3565538945	4396484.70054701	3516.15868661401	3410.4924656017665	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
105	352	259845	-302301.1413	1024057.3170250766	36.68264372171045	-101.8728411	253624.42318016308	4396480.64133705	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
106	352	259846	-301641.1413	1024057.3170250766	36.68266441400771	-101.8704793	253825.4895635035	4396476.46304425	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
107	352	259847	-300981.1413	1024057.3170250766	36.68268511026064	-101.8681548	254026.5587026054	4396472.725	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
108	352	259848	-300321.1413	1024057.3170250766	36.68270573418336	-101.8658113	254227.6215959159	4396468.185092031	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
109	352	259849	-299661.1413	1024057.3170250766	36.68272631267304	-101.863468	254428.6672536297	4396464.052808465	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
110	352	259850	-299001.1413	1024057.3170250766	36.682746845894535	-101.8611247	254629.7526512646	4396459.91187716	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
111	352	259851	-298341.1413	1024057.3170250766	36.6827673338403	-101.8587814	254830.81784328704	4396455.77468611	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
112	352	259852	-297681.1413	1024057.3170250766	36.68278777653341	-101.8564381	255001.882761318	4396451.63762315	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
113	352	259853	-297021.1413	1024057.3170250766	36.682808017395068	-101.8540948	255232.94744642838	4396447.09507428	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
114	352	259854	-296361.1413	1024057.3170250766	36.682828520599811	-101.8517515	255434.0118892226	4396443.36435534	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
115	352	259855	-295701.1413	1024057.3170250766	36.68284901267862	-101.8494078	255635.12792795	4396439.2787925	3516.98904001384103	3409.722917676687	3374.04983667019	3374.04983667019	28.94266772021571	28.5980975437816
116	352	259856	-295041.1413	1024057.3170250766	36.68286904530441	-101.8470468	255836.1450052263	4396435.09202113	3516.98904001384103	3409.722917676687	3374.04983667019	3374.049836670		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.f	W.Lt	BRfElevKgr.f	BRfElevBotKgr.f	SatHtLogBot.f	SatHtBot.f
199	352	259939	-240261.1413	10.405737310250766	36.8443929999849	-01.6525661	272523.62818048295	34690262.61476189	3483.6738035912067	3217.9742890171487	3217.4014839642503	10.4151877394866	99.9660814847415
200	352	259940	-239601.1413	10.405737310250766	36.8444049586479	-01.6502227	2727.244726083113	3469008.49465136	3485.840392210763	3326.261159135677	3216.183475937008	10.2506321331507	10.01736337655944
201	352	259941	-238841.1413	10.405737310250766	36.84442587232368	-01.6478793	2728.9257168127683	3469006.990397435	3488.000692630308	3325.131061327582	3214.0013893080757	11.13021233254631	10.038349384647
202	352	259942	-238281.1413	10.405737310250766	36.844436240714104	-01.6455539	2731.7626780892327	3469012.3503611029	3490.1754894467	3323.99989120013	3212.13206374342	11.7595947868507	11.2239304313321
203	352	259943	-237621.1413	10.405737310250766	36.844458563877044	-01.6431925	2733.277604849803	3469076.15058999	3496.943808482926	3322.866303254708	3210.294294090576	10.3107478688931	11.27533435135057
204	352	259944	-236961.1413	10.405737310250766	36.8444784174131	-01.6404841	2735.288.8481839925	3469035.35102292	3501.35359287439	3321.7315003671315	3208.448761760554	10.2723366058464	11.40250890051722
205	352	259945	-236301.1413	10.405737310250766	36.844491074334254	-01.6389057	2737.299.891495066	3469067.91984708	3514.682920805267	3320.954512198515	3206.6611415728135	10.25739319140214	11.319342736812315
206	352	259946	-235641.1413	10.405737310250766	36.845076165574	-01.6361623	2739.303.5458340823	3469063.040426305	3524.0525998308745	3319.49586391424	3205.3596791714326	10.21074772739862	11.53238093307031
207	352	259947	-234981.1413	10.405737310250766	36.8456294	-01.6338168	2741.31.877482256	3469075.990397435	3538.01039438086	3318.3191515793017	3203.723889	11.58525893042178	11.51528116893574
208	352	259948	-234321.1413	10.405737310250766	36.845539004839	-01.6314754	2743.333.020927225	3469055.57548478	3520.55631418557	3317.178691340965	3202.450715671792	11.711675691595	11.6561793498872
209	352	259949	-233661.1413	10.405737310250766	36.8455555199145	-01.629132	2745.334.0625141068	3469051.46116384	3515.1022339802303	3316.035023310555	3201.597398209776924	11.43762364895119	11.69087255541313
210	352	259950	-233001.1413	10.405737310250766	36.84571558226985	-01.6267886	2747.35.1071358366	3469047.240705471	3508.64617393499	3314.8877496340897	3200.399748553036	11.48800917775924	11.670872348915427
211	352	259951	-232341.1413	10.405737310250766	36.8458759191904	-01.6244452	2749.36.146691399	3469035.320322028	3506.32073373739	3313.736853640293	3199.7628391791524	11.39057916445116	11.6722933175219672
212	352	259952	-231681.1413	10.405737310250766	36.846033488331	-01.6221018	2751.37.18844764377	3469039.12	3505.153992473543	3312.583222054708	3199.095789937026	11.39605657622988	11.675479311640097
213	352	259953	-231021.1413	10.405737310250766	36.846193053404	-01.6197583	2753.38.2299623678	3469035.006211329	3503.97912108743	3311.4265790847684	3198.442123991226	11.398454059613023	11.674749940483415
214	352	259954	-230361.1413	10.405737310250766	36.8463513	-01.6174149	2755.39.2712965153	3469030.3030545	3502.797831473953	3310.265818017419	3197.7088940339517	11.40963308346728	11.683575141117783
215	352	259955	-229701.1413	10.405737310250766	36.8465091033049	-01.6150175	2757.40.12389592	3469026.780134825	3502.571442806859	3309.10425880929	3196.411409797841	11.393307387603324	11.68901638083806
216	352	259956	-229041.1413	10.405737310250766	36.8466664403614	-01.6127281	2759.41.350219592	3469022.66744628	3503.296745289474	3307.3311631095284	3195.025737647116	11.395716687690948	11.67574451866288
217	352	259957	-228381.1413	10.405737310250766	36.8468232347003	-01.6103847	2761.42.393138654	3469018.554991253	3504.02409777208	3306.7593260558483	3193.661392964147	11.3954717805389	11.675016780250454
218	352	259958	-227721.1413	10.405737310250766	36.8469797832104	-01.6080412	2763.43.43413555	3469014.44276928	3504.747333	3305.584570859544	3192.435193021949	11.394851075251608	11.6722933175219672
219	352	259959	-227061.1413	10.405737310250766	36.8471357112246	-01.6059578	2764.44.745511546	3469010.33070505	3505.226722155573	3304.408821155773	3319.29862194654	11.391946401399726	11.6722933175219672
220	352	259960	-226401.1413	10.405737310250766	36.847397104095	-01.6035544	2766.45.154887114	3469006.219020516	3505.460167145548	3303.22644877484	3190.2175641418903	11.39187538847947	11.6722933175219672
221	352	259961	-225741.1413	10.405737310250766	36.8476593886751	-01.60109	2768.46.578243774	3469002.198	3498.27967116228	3302.0911923072897	3189.0601823072897	11.39187538847947	11.6722933175219672
222	352	259962	-225081.1413	10.405737310250766	36.847910186218	-01.5986765	2771.47.5938736787	3469007.959213512	3497.027036805051	3300.8413916783005	3190.3692111932205	11.390725847048255	11.6722933175219672
223	352	259963	-224421.1413	10.405737310250766	36.8477551956491	-01.5963241	2773.48.3602714026	3469003.9885	3505.15569276185	3300.647588014768	3189.112922008973	11.39187538847947	11.6722933175219672
224	352	259964	-223761.1413	10.405737310250766	36.847809195596	-01.5939807	2775.49.6723215836	3469009.77433726	3503.382278	3298.436004170873	3187.7076419675946	11.39187538847947	11.6722933175219672
225	352	259965	-223101.1413	10.405737310250766	36.848062191548	-01.5916372	2777.50.1712175125	3469001.685745083	3501.607865835275	3297.232404204773	3186.31798277677	11.39187538847947	11.6722933175219672
226	352	259966	-222441.1413	10.405737310250766	36.8482150120414	-01.5892398	2779.51.74989424075	3469001.53388598	3499.83364	3296.0308454232877	3184.772002024493	11.39187538847947	11.6722933175219672
227	352	259967	-221781.1413	10.405737310250766	36.8484630765583	-01.5869564	2781.52.7682688684	3469001.93062529	3498.27967116228	3295.03645846835	3183.552459495556	11.39187538847947	11.6722933175219672
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229	352	259969	-220461.1413	10.405737310250766	36.8486707506908	-01.5822635	2785.56.8645174223	3469002.23718005	3495.61166306271	3292.484334918002	3181.074202300248	11.39187538847947	11.6722933175219672
230	352	259970	-219801.1413	10.405737310250766	36.84882175867465	-01.5799201	2787.55.90240406	3469005.11249072	3491.3274457498414	3179.8043793604074	3178.6581786501356	11.51230664	11.6722933175219672
231	352	259971	-219141.1413	10.405737310250766	36.84897231393656	-01.5775766	2789.56.4000749534	3469001.005103254	3492.690218726026	3290.1788315965296	3178.3633716509964	11.51230664	11.6722933175219672
232	352	259972	-218481.1413	10.405737310250766	36.8491122164768	-01.5752332	2791.57.977377121575	3469001.96455515	3490.854511282724	3289.03816996417	3177.27682164614	11.51230664	11.6722933175219672
233	352	259973	-217821.1413	10.405737310250766	36.849272065944	-01.5728897	2793.59.0145297477	3469002.78420047	3489.01700393492	3287.88971588809	3176.2041465887262	11.51230664	11.6722933175219672
234	352	259974	-217161.1413	10.405737310250766	36.8494212633395	-01.570543	2795.60.4514537704	3469004.57829439	3488.27967116228	3286.74179119086	3175.390242506312	11.51230664	11.6722933175219672
235	352	259975	-216501.1413	10.405737310250766	36.849570077618	-01.5682029	2797.61.0884182297	3469005.570670118	3487.851712253137	3285.58678686863	3174.342603251518	11.51230664	11.6722933175219672
236	352	259976	-215841.1413	10.405737310250766	36.84971820941084	-01.5658594	2799.62.12468538	3469040.46254676	3488.019429638163	3284.42215644907	3174.3118561648925	11.51230664	11.6722933175219672
237	352	259977	-215181.1413	10.405737310250766	36.84986613833665	-01.5635316	2801.63.1609751244	3469003.45453409	3488.019429638163	3283.245157645325	3173.4534123639123	11.51230664	11.6722933175219672
238	352	259978	-214521.1413	10.405737310250766	36.850013245348	-01.5611725	2803.64.1970423503	3469002.24729402	3490.533433062627	3282.50429685336	3172.891234254783	11.51230664	11.6722933175219672
239	352	259979	-213861.1413	10.405737310250766	36.8501604850164	-01.5588291	2805.65.2329	3469002.139989056	3491.527196139426	3280.849013016667	3171.871231240786	11.51230664	11.6722933175219672
240	352	259980	-213201.1413	10.405737310250766	36.8503069387701	-01.556486	2807.66.2685344701	3469004.03284785	3492.2537015012694	3279.635616207147	3170.112124847504	11.51230664	11.6722933175219672
241	352	259981	-212541.1413	10.405737310250766	36.850451462487614	-01.5541178	2809.67.29438459889	3469005.93061489	3491.527196139426	3278.635616207147	3169.7831914680474	11.51230664	11.6722933175219672
242	352	259982	-211881.1413	10.405737310250766	36.85059445210344	-01.5515787	2811.68.1364538696	3469005.115178878	3490.871712253137	3277.149733031346	3170.066755403933	11.51230664	11.6722933175219672
243	352	259983	-211221.1413	10.405737310250766	36.8507436646823	-01.5494553	2813.69.341561893	3469011.71293377	3493.051324594346	3275.88916418368	3169.57518857359	11.51230664	11.6722933175219672
244	352	259984	-210561.1413	10.405737310250766	36.8508833435005	-01.5471118	2815.70.408342103	3469007.68328297	3490.734045054794	3274.815284507694	3168.681033885407	11.51230664	11.6722933175219672
245	352	259985	-209901.1413	10.405737310250766	36.851035117336	-01.5447884	2817.71.4345963717	3469003.00028287	3488.019429638163	3273.327999526234	3168.4339658144143	11.51230664	11.6722933175219672
246	352	259986	-209241.1413	10.405737310250766	36.851176311735	-01.5424249	2819.7						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogskrg.ft	BREIEvBothkrg.ft	SatHtLogsk.ft	SatHtBoth.ft
325	352	260065	-157101.1413	10240557.3170250766	36.68110306752326	-101.3572895	297853.53139214947	4395575.781	3056.5478103895083	314.6622083114707	3054.475144	3054.8774036727323	88.18706432	88.78480483873848
326	352	260066	-156441.1413	1024057.3170250766	36.68612106130188	-101.3543486	298054.54925012065	4395571.693845005	3063.7129803300052	314.68009505313245	3054.306378157495	3054.6075639818586	87.3722611557501	87.07334176946657
327	352	260067	-155781.1413	1024057.3170250766	36.68813170276881	-101.3536929	298255.5689103146	4395577.608897238	3061.619127376213	313.6864311583086	3054.05466126072	3054.228046198422	85.317752092394	85.317752092394
328	352	260068	-155121.1413	1024057.3170250766	36.68614234547729	-101.350259	298356.5483729405	4395563.102381823	3055.6967740502956	313.6967740180065	3053.9181477301	3053.9181477301	83.9648476964147	83.9648476964147
329	352	260069	-154461.1413	1024057.3170250766	36.68613056	-101.3479155	298657.6016	4395559.433998761	3356.9137358372257	313.663387596002	3053.2009411918475	3047.734546226751	82.4624664415433	87.9288413692513
330	352	260070	-153801.1413	1024057.3170250766	36.6861632675427	-101.3455719	298858.61870630225	4395563.34784038	3354.56053404104	3054.029217870205	3046.936283641594	3046.936283641594	86.7025274331835	86.7025274331835
331	352	260071	-153141.1413	1024057.3170250766	36.68617415436005	-101.3432284	299059.6357	4395551.261927617	3352.921271391686	313.6014158373896	3053.061732277706	3048.8651024533957	85.2852385	80.7487719401027
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333	352	260073	-151821.1413	1024057.3170250766	36.68619507544965	-101.3388414	299461.6869965158	4395543.907897805	3351.2040672715107	312.7800327915107	3045.306641216157	3045.306641216157	76.2996637898502	76.2996637898502
334	352	260074	-151161.1413	1024057.3170250766	36.686205467817395	-101.3361979	299662.6811117564	4395539.05566367	3350.1554020881707	312.554489446343	3050.3761655005696	3046.595622245973	75.2732249054607	75.2732249054607
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336	352	260076	-149841.1413	1024057.3170250766	36.68622611669801	-101.3315108	300064.717080617	4395530.83520383	3346.300175010686	312.282002028809	3048.161651012607	3043.1820553679813	73.82042921548236	73.82042921548236
337	352	260077	-149181.1413	1024057.3170250766	36.68623637322618	-101.3291673	300265.737798299	4395526.751296523	3344.041551	312.2023446436912	3047.116992339717	3041.13560913982	73.11545402195327	73.09684452220017
338	352	260078	-148521.1413	1024057.3170250766	36.68624658447955	-101.3268238	300466.7842780911	4395522.66700339	3341.78270988611	311.8151478398017	3046.044247796692	3039.31768881165	72.4710356013792	79.20270951784232
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352	352	260092	-139281.1413	1024057.3170250766	36.68638479	-101.2940143	303280.944640734	4395465.11236113	3272.495624640522	310.32089117608817	3026.8716237994	3021.758444412994	76.3174940301751	81.45046534383775
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357	352	260097	-135981.1413	1024057.3170250766	36.6864319605739	-101.2822927	304286.0058725716	4395445.109522403	3242.52932706385	309.7595446	3018.836705811395	3017.4922954116923	78.75874018525502	80.1035055795763
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361	352	260101	-133341.1413	1024057.3170250766	36.68646894742015	-101.2729225	305085.051251842	4395428.792	3223.004408112283	3092.925447732965	3013.715544201024	3013.715544201024	79.46789712	79.9343384150408
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364	352	260104	-131361.1413	1024057.3170250766	36.68649418555226	-101.2658919	305693.083246858	4395416.55680044	3203.607309391617	3088.674953796972	3011.58219236519	3009.080274334307	77.09276060633256	79.5948036392536
365	352	260105	-130701.1413	1024057.3170250766	36.68650517437905	-101.2635844	305894.036821403	4395412.4888038	3200.66342534293	3087.300537396874	3011.255089933024	3006.94379147555	76.8541663313616	80.8072509789188
366	352	260106	-130041.1413	1024057.3170250766	36.68651411795055	-101.2612408	306095.103689589	4395408.40191282	3194.6637208744134	3085.9007374715635	3010.3429319422492	3006.43757506197	76.3367342526092	79.49809363536647
367	352	260107	-129381.1413	1024057.3170250766	36.68652365007681	-101.258901	306296.125056478	4395404.31906124	3189.45425871539	3084.714229760216	3010.154527602916	3006.43757506197	76.3367342526092	79.49809363536647
368	352	260108	-128721.1413	1024057.3170250766	36.6865318692075	-101.2565177	306497.123369123	4395400.2403791	3171.755801744531	3083.0239992740406	3010.17412511265	3007.17918718952	75.2987637313954	76.3367342526092
369	352	260109	-128061.1413	1024057.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevKgr.ft	SatHtKgr.ft	SatHtBothKgr.ft	
432	352	26191	-7394.14133	10.405737	310250766	36.68710883690533	-101.062019	323180.1429403612	4395062.636	3110.2526940519297	2962.0840291102595	2901.240148959619	2999.9028164033916	80.4388015064042	92.1812170868788
432	352	26192	-7329.14133	10.405737	310250766	36.68711386672444	-101.059683	323381.2859696618	4395058.75195568	3110.183568712467	2990.4617822756896	2901.460633450186	2990.6164986696203	90.4044357596928	90.4443357596928
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt	BR Elev.Logs.kg.ft	BR Elev.Logs.kg.ft	SatThk.Logs.ft	SatThk.Both.ft
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612	352	360352	32318.858677303351	1024057.3170250766	36.687338922429	-100.6843823	355538.340498953	4394412.293	2829.7158073559	2698.21026869126	2697.4334812833	2697.4334812833	6.219633664525
613	352	360353	32978.858677303351	1024057.3170250766	36.68733652652626	-100.6822396	355739.3216561383	4394408.27630006	2809.947874179315	2698.964783146393	2698.324452723448	2698.324452723448	0
614	352	360354	33638.858677303351	1024057.3170250766	36.6873416752464	-100.679996	355940.2828023384	4394404.25128236	2811.0685196051127	2695.6757668439	2701.342284394063	2701.342284394063	0
615	352	360355	34298.858677303351	1024057.3170250766	36.6873381320964	-100.6776524	356141.2525257055	4394402.31856399	2807.386123484083	2694.390928597204	2706.201748684303	2706.08644887063	0
616	352	360356	34958.858677303351	1024057.3170250766	36.687329461818106	-100.6753088	356342.221396385	4394396.21814486	2809.2893731162217	2693.0949530356497	2713.3819120503213	2713.520767033207	0
617	352	360357	35618.858677303351	1024057.3170250766	36.6873270074948	-100.6729652	356543.19230080816	4394392.192002489	2811.2186227460394	2691.7882079621418	2712.0223069	2722.5999545622896	0
618	352	360358	36278.858677303351	1024057.3170250766	36.68732457403384	-100.6706216	356744.1952613605	4394388.13240593	2813.1433723804954	2690.471270433069	2728.72748	2729.862519900374	0
619	352	360359	36938.858677303351	1024057.3170250766	36.68732208318151	-100.6683737	356945.14863287651	4394384.1386327651	2815.26871436927	2690.263674342279	2730.239198910878	2730.239198910878	0
620	352	360360	37598.858677303351	1024057.3170250766	36.6873195064819	-100.6659344	357139.13945093	4394382.13240593	2817.8539651927	2698.906859875284	2724.566315015947	2725.7120038309	0
621	352	360361	38258.858677303351	1024057.3170250766	36.68731690450598	-100.6635908	357347.0602659165	4394376.1150534805	2827.01949414787	2686.466738646128	2718.226412283458	2718.274592728805	0
622	352	360362	38918.858677303351	1024057.3170250766	36.6873145252865	-100.6612742	357548.033407442	4394372.09639027	2832.18494001223	2685.11686585995	2711.691786470426	2712.022604592964	0
623	352	360363	39578.858677303351	1024057.3170250766	36.68731156472291	-100.6589036	357749.05101581114	4394368.078	2837.62382785216	2683.761340244714	2705.342709123346	2705.58718940242	0
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
703	352	260443	92378.85867307335	10240557.310250766	39.6869494584634	-100.4714169	373826.030980036	349040.4732990205	2885.395216899272	219.9850357825635	2558.2620538249053	2558.2068691349927	61.72281985774829	61.7763466769083
704	352	260444	93038.85867307335	10240557.310250766	39.68694311	-100.4690733	374026.983759562	349040.434745295	2880.053675151925	218.967007059484	2554.671706870714	2554.687103948745	64.3090089874985	64.3091587169172
705	352	260445	93698.85867307335	10240557.310250766	39.6869370705914	-100.4667294	374227.946012814	349037.343539891	2871.269217291435	251.181503328163	2551.0787010815489	2551.0787010815489	66.8172370496538	66.8172370496538
706	352	260446	94358.85867307335	10240557.310250766	39.6869352022147	-100.4643862	374428.9039419105	349035.348454197	2867.378667043703	216.1961779567004	2547.969007103267	2547.969007103267	69.0006885293376	69.5290065147686
707	352	260447	95018.85867307335	10240557.310250766	39.6869235446603	-100.4620426	374629.861366565	349031.352079067	2867.4722272264053	215.9160872334214	2544.4919177	2544.966126216397	71.1044210922711	71.94969012112464
708	352	260448	95678.85867307335	10240557.310250766	39.68691271342416	-100.4596991	374830.818668654	349027.350571011	2868.995192564075	214.850628646615	2541.766028294283	2541.766028294283	73.08403450233234	73.80056570594098
709	352	260449	96338.85867307335	10240557.310250766	39.686910627111445	-100.4573555	375031.7758285963	349018.35372032	2870.52415990422	213.76277634863	2538.901962449555	2538.19591956374	75.1850718530798	75.56675767848801
710	352	260450	96998.85867307335	10240557.310250766	39.6869039592254	-100.4550119	375232.73291820474	349019.351203165	2876.32162447293	212.602058811712	2536.6214678807716	2536.6208081701817	76.0287042039958	76.70312541098951
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712	352	260452	98318.85867307335	10240557.310250766	39.6869030516509	-100.4503248	375634.4569628736	349011.357	2870.33933247452	210.33933247452	2533.7996501376547	2533.7996501376547	77.538982378007	78.20007181042656
713	352	260453	98978.85867307335	10240557.310250766	39.68688320909638	-100.4479812	375835.60340274323	349007.359170131	2869.354185143398	209.315187788628	2530.835106932558	2529.0173001008	78.30001148269464	80.11837976877496
714	352	260454	99638.85867307335	10240557.310250766	39.68687701640622	-100.4456377	376036.5599455036	349003.36167182	2867.41258734015	207.864997587326	2528.6756781339673	2526.890828436107	79.21931945333881	81.00596864307755
715	352	260455	100298.85867307335	10240557.310250766	39.68687015843076	-100.4432941	376237.516468513	348999.364212384	2867.9260581919287	206.6710665692828	2526.20581629496	2524.495621875007	80.4164884	82.1214449492086
716	352	260456	100958.85867307335	10240557.310250766	39.68686355188385	-100.4409505	376438.4729243731	348995.367196417	2869.192503018268	205.300112704973	2524.578157492876	2521.991271584072	80.7219546	83.30798512090087
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718	352	260458	102278.85867307335	10240557.310250766	39.68684931269924	-100.436354	376840.3652852095	348987.373398381	2870.922732244908	202.541422847597	2517.8725400141134	2516.731491502028	84.8756027064632	85.166509372395
719	352	260459	102938.85867307335	10240557.310250766	39.68684227	-100.4339198	377041.341289948	348983.377285904	2872.67842038566	201.11451779859	2515.0904614753276	2513.780433934717	86.0260263163118	87.3068368228712
720	352	260460	103598.85867307335	10240557.310250766	39.68683519944754	-100.4315763	377242.291777809	348979.381106914	2864.186546981474	200.464389555034	2511.963576340266	2511.963576340266	88.00656252371417	88.80486512371417
721	352	260461	104258.85867307335	10240557.310250766	39.6868205982241	-100.4292327	377443.252400947	348975.385156995	2865.696925878413	199.83994729147	2509.047680067875	2507.7713080472224	89.0237416612272	90.36868659448625
722	352	260462	104918.85867307335	10240557.310250766	39.68682084821346	-100.426891	377644.208033311	348971.384304041	2867.2056222748497	198.6302082033412	2505.7974249184613	2504.610763044224	89.806517145092	91.9931855994826
723	352	260463	105578.85867307335	10240557.310250766	39.6868136674435	-100.4245456	377845.161764435	348967.39340403	2865.40072067817	197.59038634730575	2503.764392881346	2501.884023987305	92.1634049496263	93.5518178489236
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725	352	260465	106898.85867307335	10240557.310250766	39.6867982989847	-100.419839	378247.0429319487	348959.408316922	2863.29168298952	195.48829168298952	2498.5820360485	2496.5820360485	94.881717135861	95.739642036986
726	352	260466	107558.85867307335	10240557.310250766	39.68679173255799	-100.4175149	378448.030632164	348955.40841687	2862.53902754855	194.7091032644627	2496.271772738085	2494.871814725556	95.919568708107	95.27884791907081
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729	352	260469	109538.85867307335	10240557.310250766	39.6867693828883	-100.4104842	379050.9849456233	348943.42579958	2860.010633892804	191.584856317997	2497.936648748274	2496.880587	97.21821661352533	88.2742853169957
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731	352	260471	110858.85867307335	10240557.310250766	39.6867540298947	-100.405819	379452.9429319487	348935.436926394	2859.274044845978	189.4692474084598	2498.97882656813	2498.97882656813	95.7286173135861	93.1381748402835
732	352	260472	111518.85867307335	10240557.310250766	39.6867465473725	-100.403453	379653.987523317	348931.444817523	2858.3712503501384	188.4958203341962	2498.58022603485	2498.58022603485	97.1154917417598	81.379642036986
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735	352	260475	113498.85867307335	10240557.310250766	39.68672349110367	-100.3964229	380256.6216717592	348931.465985222	2856.099757154276	185.2744454621513	2502.42927151532	2501.711532809733	72.21457407020934	72.93301342145423
736	352	260476	114158.85867307335	10240557.310250766	39.68671566234096	-100.3940793	380457.5766439667	348931.473378802	2855.1956340514276	184.2578051105368105	2504.1059464293967	2503.30406202665	68.746140171378	69.54607794354937
737	352	260477	114818.85867307335	10240557.310250766	39.68670782630257	-100.3917398	380658.52959978891	348931.481691211	2854.1062922337533	183.27144487362597	2503.36959940246	2504.431864401285	68.746140171378	69.54607794354937
738	352	260478	115478.85867307335	10240557.310250766	39.68670002958947	-100.3893957	380859.4948139216	348931.490024672	2853.197604526394	182.2592744084598	2503.36959940246	2504.431864401285	68.746140171378	69.54607794354937
739	352	260479	116138.85867307335	10240557.310250766	39.68669198439864	-100.3870048	381060.431257483	348931.49702463	2852.405290825482	181.2556658167222	2503.36959940246	2504.431864401285	68.746140171378	69.54607794354937
740	352	260480	116798.85867307335	10240557.310250766	39.6866839453318	-100.3847051	381261.39072053035	348931.50501295	2851.201507283972	180.25671988340283	2502.2957466213265	2505.92610213845	58.27645221270177	58.27645221270177
1	353	260481	-370941.1413	1024717.310250766	39.68205513258737	-102.1165687	323216.32728137064	349173.612360339	2862.244705	355.7704221855655	3503.1267997702003	3503.1267997702003	68.65886762	68.65886762
2	353	260482	-370281.1413	1024717.310250766	39.6820505516152	-102.1142255	323217.4198324217	349170.04161	367.3751941420604	350.5991933227605	3501.359506807562	3501.359506807562	69.2368724519864	67.9045214748452
3	353	260483	-369621.1413	1024717.310250766	39.6821059324712	-102.1118823	323181.51211885107	349170.529860229	368.09399764813	356.4881622570065	3501.316092824275	3501.316092824275	71.7209943	66.72893192191016
4	353	260484	-368961.1413	1024717.310250766	39.68213142561614	-102.1095391	323339.6104406554	349170.135526849	366.4014131383684	356.127812086099	3498.631193936394	3498.631193936394	71.73996603222481	67.4369164310738
5	353	260485	-368201.1413	1024717.310250766	39.68216900598947	-102.1068169	323539.6299598947	349170.248649472	364.5914839173063	355.9482916714378	3498.039271743671	3498.039271743671	72.818717135861	68.746140171378
6	353	260486	-367641.1413	102										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRIElevKgr.f	BRIElevKgr.ft	SatHLog.s	SatHLog.ft
93	353	260569	-312861.1413	1024717.3170250766	36.884119041789224	-101.9103614	55041.48614137598	4396748.176235894	3496.4886089857323	3455.253995862624	3378.4841367176114	3378.746086541399	30.7125989601278	30.509310041225035
92	353	260570	-312201.1413	1024717.3170250766	36.884140480916916	-101.9080181	55061.55169583638	4396744.04	3496.652745024953	3409.17530954055176	3377.5369342841077	3377.5369342841077	31.538396264095927	31.528490731910237
91	353	260571	-311541.1413	1024717.3170250766	36.88416164747624	-101.9056747	55068.62160353228	4396739.891771849	3495.1104248166213	3409.182489242278	3376.51534281788	3376.4891335241135	32.68378752735946	32.68378752735946
90	353	260572	-310881.1413	1024717.3170250766	36.8841832336711	-101.9033314	55014.6910513067	4396735.749817109	3451.8550052524502	3409.27091433376	3375.300765748177	3375.31675804061	33.970148568558216	33.9543352041946
93	353	260573	-310221.1413	1024717.3170250766	36.88420542669456	-101.9009881	55121.5763086865	4396731.608	3528.579696	3403.3473990955173	3373.9857310897587	3373.9857310897587	34.08606005758614	35.45214470744226
94	353	260574	-309561.1413	1024717.3170250766	36.88422578474333	-101.8986447	55146.8294501244	4396727.40670056	3541.31419339364	3409.60354020444	3372.535478112324	3372.9170599246254	37.124875908119975	37.12479409818178
95	353	260575	-308901.1413	1024717.3170250766	36.88424699572855	-101.8963014	55167.98802744852	4396723.32546633	3548.303488210625	3409.68311631349	3371.074234595691	3371.074234595691	38.859370538775	37.96270617906739
96	353	260576	-308241.1413	1024717.3170250766	36.88426816505434	-101.8939581	55181.9668314432	4396719.14582629	3549.547165050605	3410.2294991522126	3369.78773359569	3370.98055215743	40.176159623569	39.980929346865
97	353	260577	-307581.1413	1024717.3170250766	36.88428928733336	-101.8916147	55200.631658584	4396715.043791544	3559.79041968385	3410.5142889787823	3368.095788735228	3368.095788735228	42.48467742544584	41.25637876472563
98	353	260578	-306921.1413	1024717.3170250766	36.8843103427277	-101.8892714	55221.1032750119	4396710.90320498	3552.034517529451	3410.7420151188703	3366.72750942951	3366.72750942951	43.9822888252633	40.1450517250294
99	353	260579	-306261.1413	1024717.3170250766	36.8843313956344	-101.886928	55242.1711	4396706.70332697	3550.948913977209	3410.8556708897363	3365.117094436304	3367.408748637933	45.7430614410574	43.7195405429496
100	353	260580	-305601.1413	1024717.3170250766	36.884352362425324	-101.8845847	55262.2387175568	4396702.622991216	3547.5340755245958	3410.805026549588	3363.76548667426	3366.998340262363	40.4474778116613	43.80668682359581
101	353	260581	-304941.1413	1024717.3170250766	36.8843732359841	-101.8822413	55282.3060272804	4396698.48193025	3544.119511173284	3410.56992216602	3362.2722726005	3362.2722726005	40.774472439071	43.8478472350865
102	353	260582	-304281.1413	1024717.3170250766	36.884394219502636	-101.879988	55302.57318718229	4396694.342991125	3540.7710394619638	3410.311558110571673	3361.104697517004	3361.104697517004	40.91201989	43.0573613102588
103	353	260583	-303621.1413	1024717.3170250766	36.88441501073966	-101.8775547	55326.24	4396690.20429471	3547.3599554719244	3409.6336639221	3359.70503993187	3368.623654175085	49.0120864610252	41.00960112714695
104	353	260584	-302961.1413	1024717.3170250766	36.88443587530406	-101.8752113	55347.50667187778	4396686.05	3544.0816212218	3409.02772831227	3358.24832467798	3371.396486320197	50.75420163428978	37.6067381100715
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115	353	260595	-295701.1413	1024717.3170250766	36.88466175	-101.8493434	55569.239140243	4396640.55061411	3572.20923895818	3400.46116760526	3333.502829301895	3334.05749	67.1302874139676	67.38716279371596
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117	353	260597	-294381.1413	1024717.3170250766	36.88470222578755	-101.8447476	55601.357772608	4396632.324790215	3578.02463239167	3394.2514463239167	3324.38457193312	3324.38457193312	69.70287179958532	70.12857179958532
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121	353	260601	-291741.1413	1024717.3170250766	36.88478264055886	-101.8353742	55685.6026012638	4396615.736	3552.28894645996	3395.154828212113	3331.89633563983	3331.53120710225	74.2589318522186	64.62372811098612
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128	353	260608	-287121.1413	1024717.3170250766	36.88492163252679	-101.8189705	55825.0331206206	4396586.79713641	3490.205490390428	3392.065970550463	3334.610289643682	3334.292366549240	81.948504102098	57.7736084035078
129	353	260609	-286461.1413	1024717.3170250766	36.88494129175717	-101.8166271	55844.9339239159	4396582.66392519	3490.388497280353	3391.560175236525	3333.702484157097	3333.5813836155	83.18992685	58.4021367269469
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132	353	260612	-284481.1413	1024717.3170250766	36.88499005457486	-101.809597	55905.274729309	4396570.56516371	3506.45794565273	3390.1525767026	3330.127100183729	3330.1525767026	82.451124844153	63.3240453925668
133	353	260613	-283821.1413	1024717.3170250766	36.88501953897881	-10								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIElev.Kg.ft	BREIElev.Kg.ft	SatHtElev.ft	SatHtElev.ft
215	353	260695	-227901.1413	1024717.3170250766	39.68646376866175	-101.6150919	275744.4351133864	4396228.080073867	350.2476518401195	338.2617901515828	3196.155998296764	3191.1670198018387	112.759178518186	117.09477034974407
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217	353	260697	-228381.1413	1024717.3170250766	39.68648531	-101.6104049	276146.1544843713	4396219.8544983065	350.5195841933065	335.918541933065	3192.053369266	3192.053369266	112.4856450024035	118.895650024035
218	353	260698	-227721.1413	1024717.3170250766	39.6865109390406	-101.6080614	276347.5563300076	4396215.74029239	350.5751472066457	330.473998741591	3192.214720606847	3191.415901125773	112.5323871190641	113.3276012901138
219	353	260699	-227061.1413	1024717.3170250766	39.6865263909742	-101.6057179	276548.596252572	4396211.628958489	350.573031508831	330.356810066701	3191.0770992190505	3190.2134284906	112.4810016476954	113.3267614382102
220	353	260700	-226401.1413	1024717.3170250766	39.6865420301775	-101.6033744	276749.6304061666	4396210.717884852	350.62372554	330.2732554	3190.22005542268	318.8839105095414	112.1525481554817	113.3164271910839
221	353	260701	-225741.1413	1024717.3170250766	39.68655760166507	-101.601031	276950.675563451	4396203.406	350.61329815901545	330.17943176078636	3189.801589238836	3188.874736078636	111.37378429815695	112.4691480014004
222	353	260702	-225081.1413	1024717.3170250766	39.68657306503929	-101.5986875	277115.7148726495	4396199.294643926	350.634284841565	329.97355558413	3189.2448395465026	3188.421161663197	110.73451601153374	112.4581938844768
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224	353	260704	-223761.1413	1024717.3170250766	39.68660355698414	-101.5940005	277352.792278039	4396191.07234695	350.6592690895	329.75623849344	3187.411381075176	3187.341138246843	110.4214557055836	110.2170336024966
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229	353	260709	-220461.1413	1024717.3170250766	39.6866804101035	-101.582223	278558.9839902232	4396170.52067405	350.7496188718543	329.591183282484	3180.961202373493	3180.961202373493	110.6850634991902	110.586152753966
230	353	260710	-219801.1413	1024717.3170250766	39.686695142119814	-101.579935	278760.121448558	4396164.11010059	350.813494594673	329.4041357329896	3179.5300417818064	3179.5300417818064	110.910940211832	110.844938
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232	353	260712	-218481.1413	1024717.3170250766	39.68672521	-101.5752525	279162.0959127324	4396158.9194933	350.82819169	328.819169	3176.018032476848	3171.34599461413	111.17711370521544	116.8359147115072
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234	353	260714	-217161.1413	1024717.3170250766	39.68675509	-101.570565	279564.169058248	4396149.34793317	350.873678964464	328.5134433373795	3174.847656981702	3174.847656981702	111.068773205077	127.385924736948
235	353	260715	-216501.1413	1024717.3170250766	39.6867799690415	-101.568222	279765.205980463	4396145.8662351	350.8951258185	328.4167473258185	3173.883387784438	3175.200137139146	110.880694044645	127.385924736948
236	353	260716	-215841.1413	1024717.3170250766	39.6867947809516	-101.565878	279965.24236696	4396141.75084694	350.916755210547	328.3164170723813	3173.571921729116	3175.200137139146	110.880694044645	127.385924736948
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239	353	260719	-213861.1413	1024717.3170250766	39.6868490259223	-101.558848	280569.349707776	4396129.434771163	350.9943418777638	328.004678872268	3171.51680049552	3154.63598312877	108.5479283231287	125.3811995384969
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243	353	260723	-211221.1413	1024717.3170250766	39.686946583782	-101.549474	281376.4989633395	4396113.2861961	351.11681724197097	327.58146141727097	3167.8146141727097	3153.2509867409153	106.6984043914229	123.1331742078877
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256	353	260736	-202641.1413	1024717.3170250766	39.6871548026414	-101.519023	283986.922022532	4396059.46240444	351.548053784219	326.491465273305	3160.514565784215	3150.8381972738097	106.6984043914229	123.1331742078877
257	353	260737	-201981.1413	1024717.3170250766	39.68718003690865	-101.5167313	284188.036921418	4396055.15847198	351.5811548026414	326.41258139623	3160.039891547296	3150.8381972738097	106.6984043914229	123.1331742078877
258	353	260738	-201321.1413	1024717.3170250766	39.68720539405414	-101.514323	284388.985036063	4396051.43556907	351.614258784219	326.331722001854426	3159.558035127813	3150.8381972738097		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKt97	BRIElevLogKt97	SatHLogKt97	SatHBoth.ft
341	353	260821	-145641.1413	1024717.3170250766	36.880949896353	-101.3198602	301073.88533139665	4395711.689742263	3157.4571489396358	3043.204193565783	3035.2108119092927	3073.449814020556	78.3678789869585	
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343	353	260823	-146221.1413	1024717.3170250766	36.8810996451386	-101.3182191	301275.914693425	4395793.323664604	3128.454981684031	3111.678945930111	3030.675709433768	3043.189273874826	78.4817300428453	
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362	353	260842	-132681.1413	1024717.3170250766	36.8829107964296	-101.2705907	305255.14869472815	4395625.36386015	3205.495045457499	3090.705721397174	3012.669530716626	78.5154251350088	78.03624955537481	
363	353	260843	-132021.1413	1024717.3170250766	36.8830069257684	-101.2682485	305458.1581292894	4395621.581929394	3204.45666672984	3090.838068195429	3012.7030575894736	78.94480254575792	78.94480254575792	
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368	353	260848	-128721.1413	1024717.3170250766	36.8834487816798	-101.2565291	306501.20843978075	4395601.51531575	3173.921883031177	3082.361272151626	3010.9942919953232	78.363758918181	78.753682971582	
369	353	260849	-128061.1413	1024717.3170250766	36.8835368612087	-101.254185	306702.217342051	4395597.438613323	3173.555836812896	3081.55836812896	3010.9942919953232	78.94480254575792	78.94480254575792	
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373	353	260853	-125421.1413	1024717.3170250766	36.88388465167485	-101.2448111	307506.253024098	4395581.31226339	3174.864785454262	3074.7024383474762	3010.14223565731	78.045551955516	78.65620478174514	
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378	353	260858	-122121.1413	1024717.3170250766	36.8843092	-101.2330931	308511.23007761	4395560.75239967	3175.981554662093	3066.540107845143	3008.6967170128897	78.01174227193	80.28003064	
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380	353	260860	-120801.1413	1024717.3170250766	36.8844759	-101.2284059	308913.307650349	4395562.60325096	3145.0313715673035	3063.170938131236	2998.387254768557	78.99658913918304	78.47388415	
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384	353	260864	-118161.1413	1024717.3170250766	36.884803722533	-101.2191034	309717.3146971034	4395538.30668393	3075.59817949195226	3056.324844717268	2988.211313699393	78.610384210606	68.25973118796239	
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386	353	260866	-116841.1413	1024717.3170250766	36.884964400097	-101.2143442	310119.3470151593	4395525.15975475	3051.8547639407025	3051.8547639407025	2983.91991203631	78.963067682395	67.3747274	
387	353	260867	-116181.1413	1024717.3170250766	36.8850448697385	-101.2120068	310320.3530384634	4395520.08651084	3051.6618903535	3051.6618903535	2982.185253433059	78.963067682395	67.3747274	
388	353	260868	-115521.1413	1024717.3170250766	36.8851123466932	-101.209657	310521.3558	4395520.08651084	3051.6618903535	3051.6618903535	2982.185253433059	78.963067682395	67.3747274	
389	353	260869	-114861.1413	1										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatHtKgr.f	SatHtBoth.f
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498	353	260948	-62721.14133	1024717.310250766	39.68900155215271	-101.0221665	326601.23643658554	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
499	353	260949	-62661.14133	1024717.310250766	39.6890036291491	-101.005761	326801.728786715407	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
470	353	260950	-60041.14133	1024717.310250766	39.68901006733105	-101.0174793	326901.29911711566	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
471	353	260951	-60041.14133	1024717.310250766	39.68901425700351	-101.0151356	327204.21020507083	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
472	353	260952	-60081.14133	1024717.310250766	39.68901840139811	-101.012792	327405.2015211027	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
473	353	260953	-59421.14133	1024717.310250766	39.689022500514895	-101.0104483	327606.1966718701572	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
474	353	260954	-58761.14133	1024717.310250766	39.68902565435383	-101.0081407	327807.18246234884	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
475	353	260955	-58101.14133	1024717.310250766	39.6890305291491	-101.005761	328001.728786715407	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
476	353	260956	-57441.14133	1024717.310250766	39.68903452198114	-101.0034174	328209.153133535	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
477	353	260957	-56781.14133	1024717.310250766	39.6890384420346	-101.0010737	328410.1523142527	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
478	353	260958	-56121.14133	1024717.310250766	39.68904231693094	-100.9987301	328611.1433132291	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
479	353	260959	-55461.14133	1024717.310250766	39.68904614438054	-100.9963864	328812.1328919527	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
480	353	260960	-54801.14133	1024717.310250766	39.68904992655223	-100.9940428	329013.122466395	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
481	353	260961	-54141.14133	1024717.310250766	39.6890536344601	-100.9918961	329214.118847184	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
482	353	260962	-53481.14133	1024717.310250766	39.68905735501905	-100.9893355	329415.117127685	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
483	353	260963	-52821.14133	1024717.310250766	39.68906101339885	-100.9870119	329616.092242025	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
484	353	260964	-52161.14133	1024717.310250766	39.68906460245995	-100.9846682	329817.0791	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
485	353	260965	-51501.14133	1024717.310250766	39.68906815824205	-100.9823246	330018.067902477	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
486	353	260966	-50841.14133	1024717.310250766	39.68907166874626	-100.9799809	330219.0564933706	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
487	353	260967	-50181.14133	1024717.310250766	39.68907513397251	-100.9776373	330420.40491990636	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
488	353	260968	-49521.14133	1024717.310250766	39.6890785352082	-100.9752936	330621.0331818546	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
489	353	260969	-48861.14133	1024717.310250766	39.68908192577589	-100.9729818	330822.064244271	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
490	353	260970	-48201.14133	1024717.310250766	39.6890855796356	-100.9706063	331023.092128225	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
491	353	260971	-47541.14133	1024717.310250766	39.68908854209799	-100.9686227	331223.998825233	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
492	353	260972	-46881.14133	1024717.310250766	39.689091780934426	-100.965919	331424.984587292	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
493	353	260973	-46221.14133	1024717.310250766	39.6890947449291	-100.9635754	331625.970303039	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
494	353	260974	-45561.14133	1024717.310250766	39.6890981277338	-100.9612317	331826.9593080425	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
495	353	260975	-44901.14133	1024717.310250766	39.68910125777589	-100.9588818	332027.064244271	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
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497	353	260977	-43581.14133	1024717.310250766	39.68910729594685	-100.9542008	332429.9201670244	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
498	353	260978	-42921.14133	1024717.310250766	39.68911026311533	-100.9518571	332630.9067945333	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
499	353	260979	-42261.14133	1024717.310250766	39.68911380057905	-100.9495134	332831.892596174	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
500	353	260980	-41601.14133	1024717.310250766	39.68911606161824	-100.9471698	333032.8796621681	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
501	353	260981	-40941.14133	1024717.310250766	39.68911889255263	-100.9448821	333233.8657031474	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
502	353	260982	-40281.14133	1024717.310250766	39.68912168	-100.9424825	333434.817830159	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
503	353	260983	-39621.14133	1024717.310250766	39.68912447198785	-100.9401388	333635.8376091604	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
504	353	260984	-38961.14133	1024717.310250766	39.68912711528901	-100.9377952	333836.82525752813	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
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507	353	260987	-36981.14133	1024717.310250766	39.68913490391252	-100.9307642	334439.7793	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
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509	353	260989	-35661.14133	1024717.310250766	39.689139741965	-100.9260948	334841.754594174	439518.9899540006	3562.167899955226	2363.5967932066637	2894.577200715338	2894.512255184401	69.0199247512559	69.0843800226268
510	353	260990	-35001.14133	1024717.310250766	39.68914235451464	-100.9237333	335042.7338211681	439518.98995400						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatThkLog.s	SatThkBoth.ft	
593	353	261703	19778.8586730335	1024717.310250766	36.98918567584934	-100.7292097	17323.92596332985	43489.9662986187	2814.8189953486726	2718.249115223382	2722.7842194781806	2722.73587485943237	0	0	
594	353	261704	20438.8586730335	1024717.310250766	36.989184259631484	-100.726881	151924.894758027	43046.9537740926	2800.535741630071	2717.237875158498	2720.4009864624787	2720.49371201689445	0	0	
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597	353	261707	22418.8586730335	1024717.310250766	36.98917868602488	-100.7198351	1535227.813	43046.783386938	2756.9963386938	2714.1126405466134	2708.7702415025077	2709.123075703515	4.332399044	4.899564643098378	
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599	353	261709	23738.8586730335	1024717.310250766	36.989176194701	-100.7151478	152929.725673841456	43046.8149601214	2741.08983753288	2711.8971084000214	2699.630566769881	2699.922695702915	12.266541630140182	11.974413179481871	
600	353	261800	24398.8586730335	1024717.310250766	36.98917506826741	-100.7128042	153130.7266686981	43046.811905445	2752.94344654502	2710.7384545042	2697.614558439356	2697.919224398914	13.13878710106594	13.75917871006594	
601	353	261801	25058.8586730335	1024717.310250766	36.98917337178988	-100.7104695	153331.699786767054	43046.774021129	2764.805494889269	2709.5930837921693	2696.980035721603	2697.340860504384	12.713003705866174	12.713003705866174	
602	353	261802	25718.8586730335	1024717.310250766	36.989171630026415	-100.708118	153532.6807704724	43046.744010958	2778.65325471699	2708.418903507263	2696.863200072663	2697.484270334298	11.555997269647	10.5643030163324	
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605	353	261805	27688.8586730335	1024717.310250766	36.98916613307896	-100.701859	154135.58041181916	43046.675241205	2787.763968313091	2704.83259438819145	2697.80039	2698.4218358911945	7.203254785857263	6.410754813525871	
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612	353	261902	32318.8586730335	1024717.310250766	36.98915172213386	-100.6846803	155542.3694881915	43046.1352699712	2826.431613466396	2696.245487783418	2697.338037365053	2697.498053863629	0	0	
613	353	261903	32978.8586730335	1024717.310250766	36.98914948231057	-100.6823636	155743.338799999	43046.091828722	2815.670233954077	2694.964221439453	2698.046282782073	2697.909594349576	0	0	
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619	353	261909	36938.8586730335	1024717.310250766	36.9891350526214	-100.6682747	156949.1518	43045.8538143523	2808.3342118713226	2687.196001928594	2735.197091366106	2736.66014359487	0	0	
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621	353	261911	38258.8586730335	1024717.310250766	36.989129637333245	-100.6636874	157351.0885157955	43045.77343148485	2816.7343148485	2684.527155	2718.181371635522	2718.26831420718905	0	0	
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623	353	261913	39578.8586730335	1024717.310250766	36.98912459383222	-100.6589001	157753.042308071	43045.6937074828	2836.4814382516415	2681.8337105932433	2704.0812174315897	2704.04644898623	0	0	
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626	353	261916	41558.8586730335	1024717.310250766	36.989116244365316	-100.6518692	158357.12404365317	43045.5712444984	2855.57490953211	2677.762895076544	2685.79998	2686.092466911267	0	0	
627	353	261917	42218.8586730335	1024717.310250766	36.98911337053562	-100.649525	158586.894693633	43045.532739508	2867.657431464542	2676.40337	2680.42486870553	2693.93593486302	0	0	
628	353	261918	42878.8586730335	1024717.310250766	36.9891105163898	-100.6471818	158757.161949336	43045.49216157301	2875.04513818478	2675.04513818478	2697.5818314	2697.809369164	0	0	
629	353	261919	43538.8586730335	1024717.310250766	36.989108748739515	-100.6448832	158958.8290547364	43045.454199	2884.671205002741	2673.690484688206	2672.01232136733	2672.786534882596	1.4896143510877654	0.9042829885610297	
630	353	2619110	44198.8586730335	1024717.310250766	36.9891047488886	-100.6424945	159159.7961470804	43045.4118223435	2884.178092	2672.307409505610	2669.5982464372	2670.152493725794	2.75831927129724	2.1883003707534	
631	353	261111	46178.8586730335	1024717.310250766	36.98910142035215	-100.6401509	159360.7629940156	43045.3715493532	2890.97978310439783	2668.239515895773	2668.64445	2.475531548204104	2.193366471928439	0	0
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634	353	261114	46838.8586730335	1024717.310250766	36.98909196858052	-100.633119	159963.662776337	43045.2511668337	2894.836150729617	2667.03441128251	2671.775289105262	2671.501491327	0	0	
635	353	261115	47498.8586730335	1024717.310250766	36.9890875096001	-100.630788	160173.10087314281	43045.210087314281	2897.6434381491923	2665.784258454528	2670.784258454528	2670.784258454528	0	0	
636	353	261116	48158.8586730335	1024717.310250766	36.9890854969736376	-100.628438	160365.59521126095	43045.1708524985	2898.147153486126	2664.471110825163	2673.61343865383	2673.7592751019	0	0	
637	353	261117	48818.8586730335	1024717.310250766	36.98908214	-100.626089	160566.5612521275	43045.1307	2896.76810341071	2663.28886754046	2679.95421086649	2680.058054429093	0	0	
638	353	261118	49478.8586730335	1024717.310250766	36.98907871747506	-100.6237453	160767.5271593072	43045.09504283018	2897.66373961955	2661.981715600914	2676.946803824797	2677.555814312084	0	0	
639	353	261119	50138.8586730335	1024717.310250766	36.98907535442747	-100.621									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRIElevLogs.ft	BRIElevLogs.ft	SurfElevLogs.ft	SurfElevLogs.ft
719	353	261199	102938.85867307335	1024717.3170250766	36.8886529077846	-100.4339107	377045.340724822	434184.893	2671.2788156727893	2601.8800965130013	2516.403176182583	2517.403176182583	2517.403176182583	2517.403176182583
720	353	261200	103598.85867307335	1024717.3170250766	36.888648206246235	-100.4319671	377246.2964278965	434180.596521657	2664.395076226513	2600.380594396247	2513.16512693415966	2512.439567979432	2512.439567979432	2512.439567979432
721	353	261201	104258.85867307335	1024717.3170250766	36.888641067639645	-100.4302268	377447.2519627487	434176.80043368	2611.157896815825	2598.632594405684	2511.106869012744	2509.768529444664	2509.768529444664	2509.768529444664
722	353	261202	104658.85867307335	1024717.3170250766	36.8886333333333	-100.4268768	377647.26073692198	434172.601641244	2560.072660442251	2597.273231	2508.378666643763	2507.07327068152	2507.07327068152	2507.07327068152
723	353	261203	105278.85867307335	1024717.3170250766	36.888616098966815	-100.4245362	377849.1626655037	434168.690902623	2648.0262163419624	2595.67343919624	2506.003656818314	2504.4642173330712	2504.4642173330712	2504.4642173330712
724	353	261204	106588.85867307335	1024717.3170250766	36.888619415346174	-100.4221926	378050.1178454064	434164.613623424	2621.0577046136696	2594.07510632076	2503.669555530225	2502.024237	2502.024237	2502.024237
725	353	261205	106898.85867307335	1024717.3170250766	36.888612104428444	-100.4198949	378251.0729013031	434160.618471713	2656.387687684524	2592.358607143314	2501.69841256424152	2500.684464120713	2500.684464120713	2500.684464120713
726	353	261206	107588.85867307335	1024717.3170250766	36.888604782338	-100.417954	378452.0278592883	434156.6249126	2629.014824713216	2590.72034274528	2500.581176235044	2498.959491206344	2498.959491206344	2498.959491206344
727	353	261207	108278.85867307335	1024717.3170250766	36.888597346781895	-100.4156119	378652.962928623	434152.62885852	2689.66597898815	2589.023180678059	2498.951531854156	2498.951531854156	2498.951531854156	2498.951531854156
728	353	261208	108978.85867307335	1024717.3170250766	36.8885900011306	-100.4128181	378853.937113158	434148.634392179	2655.17309220502	2587.00659645775	2500.085953215017	2498.0337680168	2498.0337680168	2498.0337680168
729	353	261209	109538.85867307335	1024717.3170250766	36.88858204796723	-100.4104745	379054.8920147989	434144.601415599	2650.6592190302633	2585.728027966707	2500.31808856482	2499.060343594975	2499.060343594975	2499.060343594975
730	353	261210	110198.85867307335	1024717.3170250766	36.8885747068441	-100.4081309	379255.8465	434140.64149806	2646.205430884273	2583.823235574367	2500.764524081328	2499.39372986064	2499.39372986064	2499.39372986064
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732	353	261212	111518.85867307335	1024717.3170250766	36.888559602747	-100.403436	379657.751375949	434132.659	2631.13971603842	2578.7643286428	2500.631598860747	2499.728930542152	2499.728930542152	2499.728930542152
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751	353	261231	125748.85867307335	1024717.3170250766	36.8884397561102	-100.3594317	383479.4616372654	434056.83127557	2607.8510971232757	2554.38268286517	2518.998401890835	2518.998401890835	2518.998401890835	2518.998401890835
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756	353	261236	130048.85867307335	1024717.3170250766	36.8884173281102	-100.3479622	384479.9976525554	434036.83127557	2602.8510971232757	2549.38268286517	2523.998401890835	2523.998401890835	2523.998401890835	2523.998401890835
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760	353	261240	133488.85867307335	1024717.3170250766	36.8884000000000	-100.3387866	385279.9976525554	434020.83127557	2598.8510971232757	2545.38268286517	2527.998401890835	2527.998401890835	2527.998401890835	2527.998401890835
761	353	261241	134348.85867307335	1024717.3170250766	36.8883961250000	-100.3364927	385479.9976525554	434016.83127557	2597.8510971232757	2544.38268286517	2528.998401890835	2528.998401890835	2528.99	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogsKt	BR/ElevBothKt	SatHtLogsKt	SatHtBothKt
105	354	261325	-302301.1413	102537.73170250766	36.686269545661375	-101.8728948	253632.72318061016	396883.251479337	3575.631792854492	3368.831333601389	3366.384344857544	3369.048272965054	34.06826882045194	37.7831051033358
106	354	261326	-301641.1413	102537.73170250766	36.68626951025054	-101.8705513	253633.78950090062	396879.112614902	3591.2481187760936	3366.129400511362	3354.47272869749565	3364.72867296260214	31.40211136340531	37.46768085340339
107	354	261327	-300971.1413	102537.73170250766	36.68631926111852	-101.8654174	253634.6547142591	396879.973884902	3594.265105	3365.38905891652	3352.72133838894	3365.58905891652	38.79936598712186	37.99365898712186
108	354	261328	-300321.1413	102537.73170250766	36.68633155594172	-101.8658465	253635.8310211656997	396884.672409334	3584.682764790394	3364.0248485495505	3350.85155642826	3360.891223518011	53.800732847279316	43.73024974740451
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117	354	261337	-294381.1413	102537.73170250766	36.686515142192326	-101.8447377	256045.49738985272	396833.631	3558.9501663715932	3397.772201	3321.799897840207	3325.280219537422	75.3595654273	77.49018193
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120	354	261340	-292401.1413	102537.73170250766	36.6865732618115	-101.8377428	256648.68616954	396821.19312345	3552.03902978005	3395.0965149016	3331.680811238708	3331.558437632656	64.01574025130822	64.13811385736062
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123	354	261343	-290421.1413	102537.73170250766	36.68663549584201	-101.8307132	257251.87223845097	396808.78780395	3537.313942130167	3393.799063691705	3332.390373383153	3332.288802239203	61.40599082321704	61.51026145216747
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137	354	261357	-281181.1413	102537.73170250766	36.68690993806004	-101.797905	260066.7121341815	396750.502059961	3515.36576503936	3387.88328576041	3310.143590474853	3309.460543512842	77.7402381	78.42228406319024
138	354	261358	-280521.1413	102537.73170250766	36.6869292479331	-101.795615	260267.77034150597	396746.79293883	3506.960781	3386.719345018336	3301.596765862413	3300.841748999514	85.136791595232	85.8877591191823
139	354	261359	-279861.1413	102537.73170250766	36.68694847210917	-101.7932781	260468.82831489848	396742.661562007	3502.848936033237	3386.3602939305	3298.072975004182	3298.1559805308106	87.28731833	87.2704835449906
140	354	261360	-279201.1413	102537.73170250766	36.68696774735313	-101.7910474	260689.1689719515	396738.53064125	3502.848936033237	3386.3602939305	3298.072975004182	3298.1559805308106	87.28731833	87.2704835449906
141	354	261361	-278541.1413	102537.73170250766	36.68698677824366	-101.7885312	260870.94355314885	396734.310697131	3500.8116927531284	3384.2285342691486	3298.072975004182	3298.1559805308106	87.28731833	87.2704835449906
142	354	261362	-277881.1413	102537.73170250766	36.6870058635767	-101.7861777	261072.008182377	396730.26951518	3506.2147136578387	3383.2522279881454	3291.785391605216	3290.6570746852	84.3388629762376	84.565180195346
143	354	261363	-277221.1413	102537.73170250766	36.68702460491793	-101.7838442	261273.0578476091	396726.13376373	3504.81181705946	3382.16753662713	3287.69378378292	3286.653271467492	97.117133686045	97.117133686045
144	354	261364	-276561.1413	102537.73170250766	36.68704389265376	-101.7815008	261474.11464146935	396722.004153965	3504.81181705946	3382.16753662713	3287.69378378292	3286.653271467492	97.117133686045	97.117133686045
145	354	261365	-275901.1413	102537.73170250766	36.68706380961725	-101.7791573	261675.1712002033	396718.718988575	3504.626713476977	3381.880537446798	3284.5614323410553	3282.895673332664	99.13010495574266	100.9849630353154
146	354	261366	-275241.1413	102537.73170250766	36.68708315366339	-101.7769139	261876.2725347856	396713.75019596	3504.414373	3381.358545402097	3282.717520303636	3280.078103899798	100.618137237371	103.7557031242104
147	354	261367	-274581.1413	102537.73170250766	36.6871032618115	-101.7746032	262078.3684263612943	396709.158119612	3503.98989	3380.420343489844	3281.170781184928	3280.078103899798	100.618137237371	103.7557031242104
148	354	261368	-273921.1413	102537.73170250766	36.6871194268014	-101.7721269	262278.3384753195	396705.491912986	3503.98989	3380.420343489844	3281.170781184928	3280.078103899798	100.618137237371	103.7557031242104

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevBothKrg.f	BRiElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
231	354	261451	-219141.1413	1025377.3170250766	39.68852316640505	-101.5776195	278965.1778023635	4396363.598337109	440.7430943313902	328.05401726147755	3177.374053	3175.9292033935344	112.0761196065053	112.25112527524109
232	354	261452	-218481.1413	1025377.3170250766	39.68853819	-101.5752719	279166.2147	4396359.488651165	348.614242065196	327.3354526262937	3177.7792042303835	3169.024715933713	111.55644236230117	118.25292932927805
233	354	261453	-217821.1413	1025377.3170250766	39.68854379189955	-101.5729234	279367.251439613	4396355.739627174	348.6178478691176	326.21710383791	3176.7008317343207	3161.084818	111.209131218413	125.13168594011103
234	354	261454	-217161.1413	1025377.3170250766	39.68856038378905	-101.5705848	279568.287817421	4396351.208951745	348.6138077532607	325.01779905562	3174.242530030076	3156.25720300076	110.78471809535676	128.835920524868
235	354	261455	-216501.1413	1025377.3170250766	39.688582938876536	-101.5682412	279769.3240077905	4396347.162022525	348.611966804464	323.9576020326285	3173.1626562517745	3155.010290659216	110.79494578085405	128.946681066643
236	354	261456	-215841.1413	1025377.3170250766	39.68859778807876	-101.5658977	279970.360173063	4396343.5705372227	348.612109412978683	3172.8822378574264	3154.7291384982	3149.927034404196	128.08122727288674	128.946681066643
237	354	261457	-215181.1413	1025377.3170250766	39.6886125346445	-101.5635541	280171.39581048986	4396338.94	348.6167017838803	321.6501159513476	3172.143276912593	3154.095992581025	109.50283182311705	127.5541619827371
238	354	261458	-214521.1413	1025377.3170250766	39.68862729284636	-101.5612106	280372.431875765	4396343.837552546	348.6104935638484	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
239	354	261459	-213861.1413	1025377.3170250766	39.68864186985353	-101.558987	280572.4687487076	4396330.728802783	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
240	354	261460	-213201.1413	1025377.3170250766	39.6886563578594	-101.5565234	280774.5019842017	4396326.62228647	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
241	354	261461	-212541.1413	1025377.3170250766	39.68867123934335	-101.5541799	280975.5368	4396325.15003844	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
242	354	261462	-211881.1413	1025377.3170250766	39.68868576762633	-101.5518363	281176.5715383704	4396318.407954465	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
243	354	261463	-211221.1413	1025377.3170250766	39.68870031063424	-101.5494927	281377.6060384273	4396314.301348497	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
244	354	261464	-210561.1413	1025377.3170250766	39.6887147363727	-101.5471492	281578.6403231281	4396310.18550344	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
245	354	261465	-209901.1413	1025377.3170250766	39.6887250082527	-101.5448506	281779.674493904	4396306.044207342	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
246	354	261466	-209241.1413	1025377.3170250766	39.68874357801574	-101.542462	281980.703846601	4396301.982088999	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
247	354	261467	-208581.1413	1025377.3170250766	39.68875790992303	-101.5401185	282181.7419898693	4396297.87065675	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
248	354	261468	-207921.1413	1025377.3170250766	39.688772196557146	-101.5377749	282382.774172173	4396283.72055714	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
249	354	261469	-207261.1413	1025377.3170250766	39.6887964379132	-101.5354313	282583.808630216	4396289.665141006	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
250	354	261470	-206601.1413	1025377.3170250766	39.6888003339949	-101.5330878	282784.8161033836	4396285.55959621	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
251	354	261471	-205941.1413	1025377.3170250766	39.68881478480555	-101.5307442	282985.8746171046	4396281.045501685	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
252	354	261472	-205281.1413	1025377.3170250766	39.68882889039653	-101.5284006	283186.9106989079	4396277.25025905	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
253	354	261473	-204621.1413	1025377.3170250766	39.68884325078765	-101.5259562	283387.9584896213	4396273.035812538	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
254	354	261474	-203961.1413	1025377.3170250766	39.68885758558003	-101.5237135	283588.9751	4396269.124	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
255	354	261475	-203301.1413	1025377.3170250766	39.68887094	-101.5213699	283790.0034317876	4396265.07548302	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
256	354	261476	-202641.1413	1025377.3170250766	39.6888846597197	-101.5190263	283991.0515400383	4396260.93766009	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
257	354	261477	-201981.1413	1025377.3170250766	39.68889873887682	-101.5166827	284192.06666407	4396258.60217021	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
258	354	261478	-201321.1413	1025377.3170250766	39.6889125727586	-101.5143391	284393.09796213044	4396252.76901331	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
259	354	261479	-200661.1413	1025377.3170250766	39.6889263136507	-101.5118965	284594.1298482385	4396248.523818827	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
260	354	261480	-200001.1413	1025377.3170250766	39.68894014067304	-101.509652	284795.15992330716	4396244.50039698	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
261	354	261481	-199341.1413	1025377.3170250766	39.68895380275046	-101.5073084	284996.1905864059	4396240.41833963	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
262	354	261482	-198681.1413	1025377.3170250766	39.68896745553249	-101.5049648	285197.1223355596	4396236.315971383	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
263	354	261483	-198021.1413	1025377.3170250766	39.68898106303751	-101.5026212	285398.2512797454	4396232.213820258	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
264	354	261484	-197361.1413	1025377.3170250766	39.68899462526712	-101.5002776	285599.28130101816	4396228.21905078	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
265	354	261485	-196701.1413	1025377.3170250766	39.6890081	-101.4979341	285800.31130106925	4396224.012231605	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
266	354	261486	-196041.1413	1025377.3170250766	39.68902161399975	-101.4954958	286001.3077375164	4396218.91077356	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
267	354	261487	-195381.1413	1025377.3170250766	39.689034003371	-101.4930268	286202.3701302713	4396215.80752701	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
268	354	261488	-194721.1413	1025377.3170250766	39.68904842143082	-101.4909033	286403.3992580593	4396211.706574053	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
269	354	261489	-194061.1413	1025377.3170250766	39.68906217528291	-101.4885597	286604.4283626895	4396207.60562418	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
270	354	261490	-193401.1413	1025377.3170250766	39.68907504785943	-101.4862161	286805.4570851206	4396203.50530738	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
271	354	261491	-192741.1413	1025377.3170250766	39.68908829316034	-101.4838729	287006.486394455	4396199.450203851	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
272	354	261492	-192081.1413	1025377.3170250766	39.6891014831659	-101.481528	287207.5193127336	4396189.340793501	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
273	354	261493	-191421.1413	1025377.3170250766	39.68911464789781	-101.479181	287408.5596144444	4396179.1148673	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
274	354	261494	-190761.1413	1025377.3170250766	39.68912775491091	-101.4768417	287609.5700844325	4396167.105572339	348.612109412978683	320.474653839426	3171.403121	3154.02460891348	110.7715233330324	126.2314927997974
275	354	261495	-190101.1413	1025377.31702										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	Surflev.ft	W.Lt	BRElevLogsKt	BRElevBothKt	SatHtLogsKt	SatHtBothKt
337	354	161577	-135981.1413	1025377.3170250766	36.90065801039044	-101.28232208	304294.1816801281	4395847.6521552112	3229.806803058781	3076.299256913616	3014.3120717505403	78.237848072619	81.987185307554
338	354	161578	-135231.1413	1025377.3170250766	36.90065711624926	-101.2799771	304495.1925047014	4395843.57129416	3217.866830412735	3015.955209529224	3014.3120717505403	78.1576720478211	81.9748117395466
339	354	161579	-134661.1413	1025377.3170250766	36.90065765781864	-101.2770373	304696.203768615	4395840.49238108	3208.136842543005	3011.684926308917	3011.684926308917	78.324459308917	82.213645741718
360	354	161580	-134001.1413	1025377.3170250766	36.900658793261254	-101.2752898	304897.21542787204	4395841.6117725925	3205.61681329113735	3092.65641	3013.73554545717177	78.10245552500077	78.92086469026455
361	354	161581	-133341.1413	1025377.3170250766	36.900658436636086	-101.2729462	305098.2259563422	4395841.333446957	3198.096741290414	3091.386532246144	3013.084623110437	78.13010913570686	80.85218050203615
362	354	161582	-132681.1413	1025377.3170250766	36.900140088787315	-101.2706025	305299.23547256263	4395827.254	3192.56754967907	3090.09341012769	3012.699923278446	77.38941861492458	77.35841830308451
363	354	161583	-132021.1413	1025377.3170250766	36.90011316863397	-101.2682589	305500.2456588483	4395823.17548786	3187.18675899619024	3088.7657999619024	3012.4661275620824	76.29993239981958	76.28421373865063
364	354	161584	-131361.1413	1025377.3170250766	36.90012220320299	-101.2659152	305701.2556552984	4395819.09686735	3181.92689987221	3087.414811221282	3012.3714439113627	76.3047831818954	76.3076730991926
365	354	161585	-130701.1413	1025377.3170250766	36.900131192048404	-101.2633715	305892.2654618218	4395815.01458236	3186.677006	3086.65565628927	3012.0151814879525	76.00036338644295	76.37449480233457
366	354	161586	-130041.1413	1025377.3170250766	36.90014013508113	-101.2611279	306103.2757058245	4395810.94022198	3177.4017112788058	3084.62752568259	3011.809433870505	75.9993321085679	75.8210917376871
367	354	161587	-129381.1413	1025377.3170250766	36.90014904	-101.2588842	306304.2845059108	4395806.86235836	3171.21407811833	3083.1896336801487	3011.5738563427744	75.9157373349262	75.82894171019338
368	354	161588	-128721.1413	1025377.3170250766	36.900157888702586	-101.2565406	306505.29347388815	4395802.784657325	3176.078907	3081.722217589183	3011.529329155018	75.9128843000044	75.8023952009641
369	354	161589	-128061.1413	1025377.3170250766	36.900166988327	-101.2541989	306706.307927637	4395798.7018586327	3180.96175102339	3080.2252870162706	3011.50012266681	75.82516436	75.8067959272256
370	354	161590	-127401.1413	1025377.3170250766	36.90017456978623	-101.2518532	306907.311	4395794.65929135	3185.835629419607	3078.101828994134	3011.463151108293	76.0237788845175	75.86954881990232
371	354	161591	-126741.1413	1025377.3170250766	36.90018417741166	-101.2495906	307188.32032403105	4395792.52581482	3188.982805219767	3077.1525746008307	3011.347211476708	76.00383253289873	75.895053471
372	354	161592	-126081.1413	1025377.3170250766	36.900192487558915	-101.2473619	307309.3280869338	4395791.64176537	3190.4035084159195	3076.57389127127	3011.187736062333	76.0413917665479307	75.9424951183285
373	354	161593	-125421.1413	1025377.3170250766	36.90020148	-101.2448222	307510.371013622	4395782.39683713	3191.824181627684	3078.982196535241	3010.884487040395	76.047829074437614	76.039770949
374	354	161594	-124761.1413	1025377.3170250766	36.9002105862478	-101.2424786	307711.34530773736	4395784.2489042349	3072.36352	3010.322432282719	3010.4860262179153	76.0180281305074	76.182192472385463
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389	354	161609	-114861.1413	1025377.3170250766	36.9003333215735	-101.2073236	310726.4464760978	4395717.2060406	3058.809209576892	3046.495887776807	2976.7206466706307	76.00456817312027	76.0975211
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398	354	161618	-108921.1413	1025377.3170250766	36.90040423581561	-101.1862305	312535.4839773038	4395680.1127931985	3031.267057801298	2966.061734046015	2971.7285741113938	76.00453971155653	75.1817475993578
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402	354	161622	-106281.1413	1025377.3170250766	36.9004319655042	-101.1768558	313339.4968	4395664.280147115	3025.134400389935	2982.360490951252	2988.146676240215	76.00453971155653	75.1817475993578
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404	354	161624	-104961.1413	1025377.3170250766	36.90044658130474	-101.1721684	313741.5020703827	4395660.12136091					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	BRIElevKgr.f	SurElevKgr.f
434	354	261703	-52821.14133	102537.73170250766	36.9087403044192	-100.9670165	329620.14734134777	4395335.397131125	3031.9516099354864	2927.3998104995812	2874.740198909814	2874.8477612701963	52.65998118897635	52.5504202383492
484	354	261704	-52611.14133	102537.73170250766	36.9087463159502	-100.9646478	329621.1327861086	4395331.364334393	3029.80507966437	2925.1670252614613	2873.1600554710853	2873.4081141348356	52.026699790375915	51.778911246626404
488	354	261705	-51501.14133	102537.73170250766	36.9088187469066	-100.9632291	330022.12452891365	4395327.387071917	3023.7041405996308	2923.0461177813673	2873.0461177813673	2872.1100770432463	51.42443236193231	50.94868470180174
484	354	261706	-50044.14133	102537.73170250766	36.9088468063075	-100.9799654	330223.1128761086	4395323.245	3019.585304029558	2920.05125619288	2870.085463746934	2870.3837386244857	50.90529052459442	50.0773699480269
487	354	261707	-50181.14133	102537.73170250766	36.908888163379775	-100.9774417	330424.10105842648	4395319.195330487	3015.88959993834	2919.0243214727343	2868.7478491140378	2869.8319613179237	50.27642735869654	49.19236015481056
484	354	261708	-49521.14133	102537.73170250766	36.908901953416466	-100.975298	330625.0890758615	4395315.15446598	3026.3151599911135	2917.1002276520339	2867.424781443015	2868.9627652344644	49.675446202737476	48.13815129754478
489	354	261709	-48861.14133	102537.73170250766	36.9089496817403	-100.9729543	330826.0708	4395311.09526575	3023.1758162833473	2915.218662990992	2866.1798234794683	2868.400151361313	49.03903916630946	46.818847348363
490	354	261710	-48021.14133	102537.73170250766	36.9089887652548	-100.9706106	331027.0646	4395307.04417964	3038.0364415562933	2913.378698	2864.998494814162	2867.424781443015	48.7320364758807	45.1191224453317
491	354	261711	-47541.14133	102537.73170250766	36.9089915718519	-100.9685869	331228.05214247317	4395302.9972411	3038.690304798652	2911.537424266613	2863.926889127607	2864.998494814162	47.70773512	43.0463587220991
492	354	261712	-46891.14133	102537.73170250766	36.9090491077192	-100.9655232	331429.0365035634	4395306.48529625	3035.12751971041	2909.71909448115	2862.672053707045	2868.70536884717	47.0478470431041	40.7459376333769
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496	354	261715	-44901.14133	102537.73170250766	36.9091425585746	-100.958892	332032.0006663798	4395306.802850714	3040.8269615881589	2904.279940471407	2859.2374184566697	2866.35085	37.3629092501075	32.969022501075
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497	354	261717	-43581.14133	102537.73170250766	36.9092032619531	-100.9542406	332433.9739	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
498	354	261718	-42921.14133	102537.73170250766	36.9092329343044	-100.9518609	332634.9602424637	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
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501	354	261721	-40941.14133	102537.73170250766	36.90931932490844	-100.9448298	333237.918185087	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
502	354	261722	-40281.14133	102537.73170250766	36.9093470962055	-100.9424861	333438.9042531524	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
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524	354	261744	-25761.14133	102537.73170250766	36.90984548796244	-100.890924	337850.5495949445	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
525	354	261745	-25101.14133	102537.73170250766	36.909861098055	-100.8885787	338051.5278109804	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	38.89379213270058
526	354	261746	-24441.14133	102537.73170250766	36.90988799227575	-100.886237	338252.51391888084	4395302.785	3040.969993626254	2902.492870266256	2858.3045151419133	2863.5990781335554	44.18835124342706	

id	ty	lc	X	Y	Y.R	Latitude	Longitude	UTM_X	UTM_Y	Sur/Elev	W.Lt	BRElevLoskyr	BRElevBoskorp	Sat/LtHosk	SRH46636868
610	354	161830	30090.8586730335	102537.7310207676	39.69091120147508	-0.6917098	35444.3870790633	434026.816628758	218.66576254038	2697.932214646005	2695.9882101144369	2697.932209779148	2005011350137010	0.9448662366857655	
611	354	161830	30090.8586730335	102537.7310207676	39.6909097468117	-0.6936949	35514.44663575703	43402.749814545	233.252891284316	2696.76733619135	2696.49154286671	2697.300491556051	0.275832993742998	0	
611	354	1831	31658.8586730335	102537.7310207676	39.69090969481797	-0.6872011	35545.4250992121	43401.8713510511	2695.53272400402	2697.046678410031	2697.046678410031	2697.544619916004	0	0	
612	354	18132	32318.8586730335	102537.7310207676	39.69096475320504	-0.6864774	35546.3911563636	43402.7422699125	233.147623579093	2694.289323715707	2697.524886469176	2697.791167166698	0	0	
613	354	18132	32318.8586730335	102537.7310207676	39.69096251364374	-0.6862337	35547.3541832303	43401.73010511	2694.289323715707	2697.524886469176	2697.791167166698	2697.791167166698	0	0	
614	354	18132	32318.8586730335	102537.7310207676	39.69096251364374	-0.6862337	35547.3541832303	43401.73010511	2694.289323715707	2697.524886469176	2697.791167166698	2697.791167166698	0	0	
615	354	1833	34298.8586730335	102537.7310207676	39.6909578805251	-0.6776463	35614.30192076296	43406.8269931012	2703.002667403707	2690.47436110467	2698.220071399485	2697.269313066344	0	0	
616	354	1836	34954.8586730335	102537.7310207676	39.69095522379694	-0.6762968	35630.2705511205	43408.766610814	2705.7275804594	2688.1918053411	2705.442617286269	2704.72761869895	0	0	
617	354	1836	34954.8586730335	102537.7310207676	39.69095310344225	-0.6729589	356551.2399	43407.9446920181	2704.1648920181	2687.8831792955	2720.116237196272	2720.4413458136	0	0	
618	354	1836	36278.8586730335	102537.7310207676	39.69095035071422	-0.6706152	35662.7204607407	43409.762963116	2716.12325267022	2686.568712804025	2733.0136305062	2733.3862412087	0	0	
619	354	1838	36589.8586730335	102537.7310207676	39.6909494817	-0.6682714	35655.175849842	43407.766310511	2709.9597020055	2686.2489480121	2733.24710310486	2733.24710310486	0	0	
620	354	1838	36589.8586730335	102537.7310207676	39.6909494817	-0.6682714	35655.175849842	43407.766310511	2709.9597020055	2686.2489480121	2733.24710310486	2733.24710310486	0	0	
621	354	1841	36258.8586730335	102537.7310207676	39.690942657682	-0.6658384	35651.11550947	43407.751486993	2717.90309778121	2682.58807543946	2717.125231264803	2717.4655861562	0	0	
622	354	1842	36918.8586730335	102537.7310207676	39.69094031718686	-0.6612403	35755.679578341	43407.755215511	2682.996983170404	2681.248803146742	2709.284771705814	2709.19826105814	0	0	
623	354	1843	36918.8586730335	102537.7310207676	39.69093762451777	-0.6589866	35757.0472788925	43407.753823151	2683.390485107	2679.90495695107	2702.23774179312	2702.2005845432	0	0	
624	354	1844	40238.8586730335	102537.7310207676	39.6909348656938	-0.6565529	35795.8148	43407.7651543692	2681.01194231115	2678.571513126666	2695.2217781513	2695.34787863937	0	0	
625	354	1845	40898.8586730335	102537.7310207676	39.69093243148115	-0.6542092	35818.9822408134	43407.76709702	2680.8933979156	2677.20047862687	2688.60072985104	2688.401524176043	0	0	
626	354	1846	41408.8586730335	102537.7310207676	39.69093027292995	-0.6528011	35840.7127293032	43407.768370317	2680.8933979156	2677.20047862687	2688.60072985104	2688.401524176043	0	0	
627	354	1847	42218.8586730335	102537.7310207676	39.69092640140670	-0.6495218	35850.816680302	43407.7641296579	2681.85325056617	2674.503413	2676.53402389677	2676.92176485336	0	0	
628	354	1848	42218.8586730335	102537.7310207676	39.69092438198316	-0.647178	35851.8836779304	43407.7504343591	2683.17286	2671.53405482819	2671.3780245713521	2671.871154173521	1.7765162514715485	1.282965449982398	0.4298158
629	354	1849	43583.8586730335	102537.7310207676	39.69092051763957	-0.6448343	35892.850525271	43407.74624412765	2687.160394915418	2671.809654013572	2667.012925691262	2667.800712425655	4.73234751678907	1.178462588	
630	354	1849	44198.8586730335	102537.7310207676	39.69091750801435	-0.6424906	35916.8137191282	43407.7424093164	2681.47193296209	2671.0017029345	2664.116414	2664.739047467567	6.335758696234465	5.790792278789065	0
631	354	1851	44858.8586730335	102537.7310207676	39.690914681	-0.6404189	35934.769951956	43407.738359250724	2680.878302688327	2669.138149861163	2662.872959688997	2663.2478	6.268728023202652	5.8910270466238	0
632	354	1851	44858.8586730335	102537.7310207676	39.690914681	-0.6404189	35934.769951956	43407.738359250724	2680.878302688327	2669.138149861163	2662.872959688997	2663.2478	6.268728023202652	5.8910270466238	0
633	354	1853	46178.8586730335	102537.7310207676	39.690908744884	-0.6354595	35976.617684816	43407.7349049846	2683.635435224	2669.138149861163	2662.872959688997	2663.2478	6.268728023202652	5.8910270466238	0
634	354	1854	46838.8586730335	102537.7310207676	39.69090516728635	-0.6331158	35997.6829829514	43407.7263124851	2685.905830054194	2665.21626886514	2667.0599323215	2667.530348010857	0	0	
635	354	1855	47498.8586730335	102537.7310207676	39.69090178070923	-0.6307721	36016.8490635754	43407.723728954	2684.83667308966	2663.941602169104	2670.26512236807	2670.540505927147	0	0	
636	354	1856	48184.8586730335	102537.7310207676	39.6908984941075	-0.6284284	36030.614915916375	43407.718131574643	2684.67157909566	2662.884085802693	2670.474560140474	2673.80613717263	0	0	
637	354	1857	48518.8586730335	102537.7310207676	39.69089517283509	-0.6260847	36057.580792866	43407.7180898535	2684.402388428414	2661.45267155114	2674.40549570899	2674.795688789105	0	0	
638	354	1858	49138.8586730335	102537.7310207676	39.6908925167613	-0.6240135	36084.7505157631	43407.7180898535	2684.402388428414	2661.45267155114	2674.40549570899	2674.795688789105	0	0	
639	354	1859	50138.8586730335	102537.7310207676	39.690888384004	-0.6219372	36117.251198909	43407.7201651073	2689.94425009367	2659.051271157794	2671.704341251348	2671.9458064897	0	0	
640	354	1860	50798.8586730335	102537.7310207676	39.69088482142541	-0.6190355	36173.7743040486	43407.7021501053	2695.6565669026	2657.88578138882	2669.91127255306	2671.9198878096	0	0	
641	354	1861	51458.8586730335	102537.7310207676	39.69088141373125	-0.6167098	36174.424648403	43407.6982634517	2693.27486309119	2656.745273059534	2668.427672904255	2668.49505086394	0	0	
642	354	1862	52118.8586730335	102537.7310207676	39.6908778079807	-0.6143661	36175.4077297358	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
643	354	1863	52798.8586730335	102537.7310207676	39.6908752120224	-0.6117632	36177.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
644	354	1864	53418.8586730335	102537.7310207676	39.69087169152407	-0.609335	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
645	354	1865	54098.8586730335	102537.7310207676	39.69086930163736	-0.6073925	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
646	354	1866	54518.8586730335	102537.7310207676	39.6908613967417	-0.6049913	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
647	354	1867	55418.8586730335	102537.7310207676	39.69085941670551	-0.6026476	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
648	354	1868	56078.8586730335	102537.7310207676	39.69085592057177	-0.6003039	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
649	354	1869	56798.8586730335	102537.7310207676	39.69085172210115	-0.5979602	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
650	354	1870	57498.8586730335	102537.7310207676	39.6908483464003	-0.5959229	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
651	354	1871	58098.8586730335	102537.7310207676	39.6908384664003	-0.5937815	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
652	354	1872	58718.8586730335	102537.7310207676	39.6908346676425	-0.5917098	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
653	354	1873	59398.8586730335	102537.7310207676	39.69083057	-0.5898554	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
654	354	1874	60038.8586730335	102537.7310207676	39.6908169331157	-0.5862417	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
655	354	1875	60698.8586730335	102537.7310207676	39.6908125171063	-0.5838979	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
656	354	1876	61498.8586730335	102537.7310207676	39.69080819326714	-0.5817098	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521454137	2667.6644101584137	2667.05488615997	0	0	
657	354	1877	62018.8586730335	102537.7310207676	39.6908119326714	-0.5792105	36178.3277774	43407.698422171354	2691.490169512446	2655.6309521					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
734	354	261955	114348.68567307335	102537.73170250766	36.9034952050284	-100.3964027	8026.64126968857	4394321.893	2625.2744832962476	25.75.116271216641	2504.60156801032472	2503.665121000317	75.4703191321373	71.45975911642927
736	354	261956	114458.85867307335	102537.73170250766	36.9034171133665	-100.3940591	80465.5665320674	4394321.893	2626.682346983946	25.73.2719871938634	2505.613540020206	2504.6595736	67.65644759654852	68.61529169004335
737	354	261957	114618.85867307335	102537.73170250766	36.90336836891678	-100.3917154	80696.51989071474	4394313.908182922	2628.092106717417	25.71.4198731010087	2506.581971938766	2505.6450979666778	64.827370847328482	65.7404340440348
738	354	261958	114758.85867307335	102537.73170250766	36.9032595671681	-100.3937717	80867.6314731662404	4394309.916	2629.498074359499	25.69.25185746334	2505.819554796364	2505.690878618897	63.655515987059	63.65146307344506
739	354	261959	116138.85867307335	102537.73170250766	36.90318012169385	-100.387028	81068.4265384962	4394305.92333371	2627.788620558682	25.67.698351273577	2506.571046658308	2506.77449123157	61.122788563667156	60.914324389818656
740	354	261960	116708.85867307335	102537.73170250766	36.90310200189095	-100.3846844	81269.3796496878	4394301.932002827	2622.961486290224	25.65.821131968909	2508.545657954276	2508.055804053673	57.36547041018284	57.76879519640923
1	355	261961	-370941.1431	102603.73170250766	36.885686803	-102.1166345	32272.6479368583	43927.01340517526	3572.1003043504564	3501.397678780947	3502.7250942364662	70.0262465960368	69.37520912758914	
2	355	261962	-370281.1431	102603.73170250766	36.88576054061806	-102.1142912	32325.7713945015	43975.1216239834	3664.78217498129	3570.009448162673	3503.987671934381	70.0262465960368	67.95073121749347	
3	355	261963	-369621.1431	102603.73170250766	36.88576156268283	-102.1149478	323126.8631947862	43975.0739990645	3665.813747798533	3501.988033854316	3501.784586842323	68.72454412420161	67.95073121749347	
4	355	261964	-369091.1431	102603.73170250766	36.88577697	-102.1090405	32337.954710637398	439703.83	3658.55127587944	3565.812914243546	3498.7330968393045	3499.023283994173	67.07972141454114	
5	355	261965	-368301.1431	102603.73170250766	36.8857822412504	-102.1076212	323359.4027272369	439749.6973181315	3656.828961980384	3563.7607199315698	3500.1776318515283	3499.706144845303	63.529188080412	64.0005714826684
6	355	261966	-367641.1431	102603.73170250766	36.88580746994502	-102.1049179	323730.1366991478	4397495.4515079985	3655.106174652314	3561.5969293625517	3498.977314445084	3498.05549639397	62.719491304328	62.714334
7	355	261967	-366981.1431	102603.73170250766	36.8858326449857	-102.1025746	323931.2277077658	4397491.3482123403	3650.5653049	3559.4827604751945	3498.322634765946	3498.0961013778483	61.1504969895992	61.3686909734618
8	355	261968	-366321.1431	102603.73170250766	36.8858784678515	-102.1002312	324132.318171403395	4397487.186028464	3673.167993036048	3557.36313677142	3498.2887657182093	3497.61716911803	59.07466158843734	59.74469635332722
9	355	261969	-365661.1431	102603.73170250766	36.8858829380489	-102.0978979	324333.4088308593	4397483.02186858	3685.78293893038	3555.238623103336	3495.926697135504	3495.3737624262384	59.91196664729692	59.86299156409723
10	355	261970	-365001.1431	102603.73170250766	36.8859001155714	-102.095446	324534.4982345692	4397478.96232681	3698.39789251413	3553.108108274164	3495.20357020503	3494.59537472116	57.81452112481105	58.5127335304086
11	355	261971	-364341.1431	102603.73170250766	36.8859330204244	-102.0932013	324755.5890054087	4397474.701101623	3704.128865702327	3550.971563266569	3494.54329026271	3493.7486147574058	56.428273	57.22948511610866
12	355	261972	-363681.1431	102603.73170250766	36.8859800320567	-102.0908579	324936.7674234407	4397470.539119179	3702.975945325474	3548.8286587998473	3493.766075423436	3493.7293313074562	55.1074724917916	
13	355	261973	-363021.1431	102603.73170250766	36.88598292921148	-102.0885146	325137.7657885447	4397466.37895762	3701.8023736729625	3546.679032084835	3492.7674064212415	3492.594900628052	53.91162563639296	54.08413145672841
14	355	261974	-362361.1431	102603.73170250766	36.8860780989508	-102.0861713	325338.8554719625	4397462.18236803	3700.67006819376	3544.725278627378	3492.201591876647	3492.04701162359	52.32086679622255	53.045810514234
15	355	261975	-361701.1431	102603.73170250766	36.88603264531136	-102.0838279	325539.941029284	4397453.075748565	3698.374196537467	3542.35740597432	3490.994792007145	3489.944733992677	51.361483968088	52.41320660475903
16	355	261976	-361041.1431	102603.73170250766	36.8860574554026	-102.0814846	325714.03247196774	4397453.897505396	3696.907271984248	3540.18549048184765	3490.013755543206	3489.7735242596023	50.179148415595	51.6825616245346
17	355	261977	-360381.1431	102603.73170250766	36.88607818034174	-102.0791743	325856.2425140136	4397453.78728943	3693.249123595653	3538.00629030773	3489.651461284547	3489.651461284547	47.6272794868	
18	355	261978	-359721.1431	102603.73170250766	36.8861087955573	-102.0767979	326143.20842507796	4397445.57172555	3693.03859247133	3535.82063409922	3489.9675961236994	3486.300151476645	48.8330372892273	48.9204742195767
19	355	261979	-359061.1431	102603.73170250766	36.88613153403221	-102.0744546	326344.2900956521	4397441.4187170862	3666.0905564133	3533.682818929194	3485.285378621865	3484.6309743773456	48.043424077049	48.9745845184848
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21	355	261981	-357741.1431	102603.73170250766	36.8861807701942	-102.0697679	326746.40739542184	4397436.93979125	3648.188257993125	3529.2207556033304	3481.5133082473955	3481.293213306906	47.9275423833381	
22	355	261982	-357081.1431	102603.73170250766	36.88620522573608	-102.0674245	326947.5571972106	4397428.940566227	3640.737093559357	3527.001130073131	3479.7598724994123	3479.503731904603	47.241257371894	47.49773394
23	355	261983	-356421.1431	102603.73170250766	36.88622969011946	-102.0658918	327148.6739235454	4397424.7891426564	3634.787941426564	3524.767941426564	3478.035292510254	3478.035292510254	46.7469484461824	
24	355	261984	-355761.1431	102603.73170250766	36.88625971942	-102.0637278	327349.7300195371	4397420.624	3623.681083983123	3523.681083983123	3476.07101978427	3476.07101978427	46.5565397839521	
25	355	261985	-355101.1431	102603.73170250766	36.88627850976045	-102.0603495	327550.8160449273	4397416.46589621	3615.132843635802	3520.238904203247	3474.213466046554	3474.181919272336	46.02542815577863	46.057043901004
26	355	261986	-354441.1431	102603.73170250766	36.8863024723294	-102.0580511	327751.90180157957	4397413.70760924	3606.581734454047	3517.9405018503663	3472.6164987701013	3472.6164987701013	45.520072160409	45.5072085393908
27	355	261987	-353781.1431	102603.73170250766	36.8863213943752	-102.0550778	327952.9873030082	4397408.150030134	3605.145869785956	3515.611145138257	3470.60734823146	3470.741250293749	45.037706966793	44.869824342197
28	355	261988	-353121.1431	102603.73170250766	36.88633136337418	-102.0533644	328154.0725449626	4397403.982974546	3601.826327266347	3513.243447	3468.585611971691	3468.585611971691	44.6537341742919	44.35454717759664
29	355	261989	-352461.1431	102603.73170250766	36.8863755880482	-102.0510211	328355.15527170231	4397399.835884152	3616.5007776584037	3510.829450597749	3466.68419526831	3466.590917005144	44.18102557081834	43.8783329323477
30	355	261990	-351801.1431	102603.73170250766	36.88639214444343	-102.0486777	328556.2425140136	4397403.78728943	3609.349123595653	3507.940761284547	3465.52132540222	3465.52132540222	42.872043498014	42.75890711811338
31	355	261991	-351141.1431	102603.73170250766	36.8864235858791	-102.0463344	328757.326812157	4397392.52008847	3612.339225970047	3505.829475383455	3463.1668178228297	3463.1668178228297	42.6620897158182	42.6553489106649
32	355	261992	-350481.1431	102603.73170250766	36.886447245228	-102.043991	328958.41102244507	4397387.365251991	3613.9627581790604	3503.25086309758	3460.58454636168	3460.74034392311	42.6503539538994	42.4947192
33	355	261993	-349821.1431	102603.73170250766	36.8864719420485	-102.0416476	329159.4949702538	4397380.22972299	3605.88621262472	3500.576874199514	3457.74689730832	3457.913776891382	42.6655756524094	42.6655756524094
34	355	261994	-349161.1431	102603.73170250766	36.88649591736384	-102.039043	329360.7586958484	4397379.05327673	3599.209824345845	3497.8657454063905	3454.88499832589	3454.88499832589	42.98074657	42.956197580506
35	355	261995	-348501.1431	102603.73170250766	36.886519847436074	-102.036969	329561.69209143682	4397374.6897478393	3593.104948515965	3495.0048519363	3452.009074276334	3451.7040194203893	42.98074657	42.956197580506
36	355	261996	-347841.1431	102603.73170250766	36.88654372272473	-102.0348175	329762.74525265147	4397370.741934144	3586.746636771934	3492.306454	3448.120454584377	3448.700059342445	43.18599308918234	43.605444960441
37	355	261997	-347181.1431	102603.73170250766	36.8865679269715041	-102.032618	329967.8361944343	4397365.823764132	3584.621934860154	3490.481934860154	3446.1934860154	3446.1934860154	43.18599308918234	43.605444960441
38	355	261998	-346521.1431	102603.73170250766	36.88659136004876	-102.030308	330173.6190422282	4397362.415105108	3571.736462762594	3488.3286829898214	3444.335681774835	3443.568097174835	43.18599308918234	43.605444960441
39	355	261999	-345861.1431	102603.73170250766	36.8866151499109	-102.0275								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
121	355	262081	-291741.1413	1026037.3170250766	39.6884087909282	-101.8354259	256853.894660593	4397018.173960693	3545.170445501364	3393.890344436602	3331.7009767408736	3331.873159312855	62.1893676957238	62.0171853274691
122	355	262082	-291081.1413	1026037.3170250766	39.68842847064482	-101.8330264	257054.9565339076	4397014.244011923	3544.306274943777	3393.204717759242	3331.5635624426264	3331.823720696903	61.7065853011579	61.43742705
123	355	262083	-290421.1413	1026037.3170250766	39.68848416104814	-101.8307388	257256.011713622	4397010.108891686	3539.96272333854	3389.5715604275187	3331.4890916084564	3331.728032000427	61.81806316085469	60.8444122709183
124	355	262084	-289761.1413	1026037.3170250766	39.68846831793277	-101.8283954	257457.079467232	4397005.97011923	3523.24514847815	3392.09405655922	3330.09405655922	3330.803836531193	61.2250257534773	61.2901724080272
125	355	262085	-289101.1413	1026037.3170250766	39.6884881736682	-101.8260519	257658.140523378	4397001.83927675	3509.42543536467	3391.533471017279	3330.5802156756769	3330.516553272673	60.95325534	61.0197477471192
126	355	262086	-288441.1413	1026037.3170250766	39.68850798413255	-101.8237084	257859.2013403257	4396997.76041922	3496.739702294147	3390.982401593676	3329.967786924036	3329.792146663551	61.0224614663551	61.01694771
127	355	262087	-287781.1413	1026037.3170250766	39.688542775	-101.8213649	258060.2619191302	4396993.07585653	3489.734623001182	3390.461978229345	3329.239702079486	3328.936444363176	61.02227615	61.526532586677916
128	355	262088	-287121.1413	1026037.3170250766	39.6885474994324	-101.8190214	258261.3222583854	4396989.437	3491.07423669768	3389.952367960545	3328.492012768915	3328.195641047702	61.46034519113937	61.7567198123266
129	355	262089	-286461.1413	1026037.3170250766	39.68856714389033	-101.8166778	258462.362591544	4396985.03484941	3489.467079077005	3389.467079077005	3328.546019151612	3328.546019151612	61.81468871152676	60.8444122709183
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131	355	262091	-285141.1413	1026037.3170250766	39.688603376764	-101.8119908	258864.5018457279	4396977.03425074	3480.67474231427	3389.6275641691757	3320.2817367010823	3319.8187706073508	68.74887469	
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133	355	262093	-283821.1413	1026037.3170250766	39.68864538975553	-101.8073039	259266.6203803673	4396968.77051805	3519.978024061497	3387.651762071047	3317.7345486724484	3317.15335847265	74.93822623781958	74.93822623781958
134	355	262094	-283161.1413	1026037.3170250766	39.68864834080185	-101.8049604	259467.67929122178	4396964.638	3529.643165152117	3387.234567632993	3310.343904134391	3309.649303873756	76.89062350490748	77.5853647
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136	355	262096	-281841.1413	1026037.3170250766	39.68867035987938	-101.8002734	259869.7940110634	4396956.371749827	3544.959677686724	3386.431181456354	3304.963591527289	3304.25176277748	81.47152661859742	82.1799411788722
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138	355	262098	-280521.1413	1026037.3170250766	39.688742174856906	-101.7955864	260271.9125631036	4396948.11025074	3558.917271022434	3385.6667465911282	3309.83794966725	3309.444562073975	85.629676440337	86.22641551715303
139	355	262099	-279861.1413	1026037.3170250766	39.68876140037946	-101.7932429	260472.0702892173	4396943.978955474	3560.428264955715	3385.2867793433347	3308.142176132225	3308.099178810784	87.14460273011218	87.14460273011218
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142	355	262102	-277881.1413	1026037.3170250766	39.688818794511036	-101.7862123	261076.14205039252	4396931.586274378	3555.904096732773	3384.106635005889	3300.12241438195303	3300.945263045255	93.042620659685	95.2013705053314
143	355	262103	-277221.1413	1026037.3170250766	39.68883753437724	-101.7838777	261277.19883214882	4396927.5381494941	3553.94359127528	3383.76767487181	3300.259134344887	3300.259134344887	94.193047344887	96.390778815082
144	355	262104	-276561.1413	1026037.3170250766	39.6888558309163	-101.7815253	261478.2578387676	4396923.35650786	3547.64257487456	3383.2128016502302	3304.43273383131	3302.719635074847	98.780323120943	100.493581426553
145	355	262105	-275901.1413	1026037.3170250766	39.688875781187654	-101.7791818	261679.3116901612	4396919.19510726	3542.751455293427	3382.7042957473823	3303.8182549734125	3302.10774945807	102.59384779924615	
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147	355	262107	-274581.1413	1026037.3170250766	39.6889134594107	-101.7744984	262081.42360753367	4396910.39649086	3532.871811208413	3381.320627533607	3302.2683495720044	3302.2683495720044	104.5537723227614	
148	355	262108	-273921.1413	1026037.3170250766	39.68893234004344	-101.7721512	262282.4874140992	4396906.07236887	3532.7860691624	3380.8292017873455	3302.62361255557	3302.62361255557	104.205600517886	104.919723969880
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150	355	262110	-272601.1413	1026037.3170250766	39.68896933472592	-101.7674674	262684.5897240122	4396900.5443229	3531.6145849370217	3380.9742940317844	3302.7325369313066	3302.7325369313066	104.5917254937423	105.9187254937423
151	355	262111	-271941.1413	1026037.3170250766	39.688988532172154	-101.7651207	262885.6446277544	4396894.420881396	3531.1876314842515	3378.335343306976	3302.4209597783774	3302.739175427457346	104.9332455523015	98.98181358
152	355	262112	-271281.1413	1026037.3170250766	39.68900716554723	-101.7627771	263086.6992976296	4396890.29596472	3524.385513288422	3377.417584301763	3300.336590200918	3300.336590200918	104.9868828167112	97.2612320920218
153	355	262113	-270621.1413	1026037.3170250766	39.68902536492004	-101.7604336	263287.75373394485	4396886.16482573	3520.594711725923	3376.44195467849	3300.1191075605802	3300.1191075605802	104.9868828167112	97.2612320920218
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155	355	262115	-269301.1413	1026037.3170250766	39.68906279	-101.7557485	263689.86190534535	4396877.509280029	3538.0744558796031	3374.0439921617787	3301.1194891738664	3301.1194891738664	104.9868828167112	97.2612320920218
156	355	262116	-268641.1413	1026037.3170250766	39.68908174061484	-101.753403	263890.915624291	4396873.781541457	3537.40359127528	3373.35391217258	3300.76253021903	3300.76253021903	104.9868828167112	97.2612320920218
157	355	262117	-267981.1413	1026037.3170250766	39.6891095332501	-101.7510958	264091.9691465235	4396869.5469285	3536.738417856507	3372.280776072016	3300.8488515455672	3302.931322064297	104.9868828167112	97.2612320920218
158	355	262118	-267321.1413	1026037.3170250766	39.68911801506706	-101.7487159	264293.022417484	4396865.50087369	3534.071034737516	3371.208278982324	3300.06909161103	3300.6505352319387	104.9868828167112	97.2612320920218
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160	355	262120	-266001.1413	1026037.3170250766	39.68915460272126	-101.7440289	264695.128362991	4396857.274464218	3532.623697392297	3369.02131837621	3300.148442996887	3301.8785416882142	104.9868828167112	97.2612320920218
161	355	262121	-265341.1413	1026037.3170250766	39.6891728286368	-101.7416883	264896.1809374048	4396853.148	3532.362136713528	3367.971904058874	3300.159591696733	3300.159591696733	104.9868828167112	97.2612320920218
162	355	262122	-264681.1413	1026037.3170250766	39.68919105927895	-101.7393418	265097.2332801201	4396849.02228047	3531.804711329126	3366.907652172533	3300.77068100119	3300.77068100119	104.9868828167112	97.2612320920218
163	355	262123	-264021.1413	1026037.3170250766	39.6892104478756	-101.7369777	265298.284478756	4396845.0442291	3530.76381967943	3365.98493848743	3300.20898404731	3300.20898404731	104.9868828167112	97.2612320920218
164	355	262124	-263361.1413	1026037.3170250766	39.6892273424267	-101.734547	265499.337	4396840.71036743	3527.704321792258	3364.57176785844	3300.645922906996	3302.643802119664	104.98	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.f	W.Lt.	BRIEVEKgr.f	BRIEVEBothKgr.f	SatHtKms.f	LatHtBothKms.f
243	255	262207	-208581.1413	1026037.3170250766	36.90057088583774	-101.540137	282185.8572870101	349649.169780145	3479.45851560719955	3688.508343164936	3164.462582388134	3147.202249698009	104.5047607986055	121.30609311693076
248	255	262208	-207921.1413	1026037.3170250766	36.90058517285619	-101.537793	282386.8904676204	349649.063921312	3476.656812765436	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
249	255	262209	-207761.1413	1026037.3170250766	36.90059941458304	-101.536487	282587.9234333996	349649.063921312	3475.8419666581273	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
250	255	262210	-206601.1413	1026037.3170250766	36.90061361103245	-101.5331061	282678.955623055	349649.063921312	3474.0251262571	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
251	255	262211	-205941.1413	1026037.3170250766	36.90062776	-101.5307624	282899.9887	349649.063921312	3472.74524531	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
252	255	262212	-205281.1413	1026037.3170250766	36.900641868103704	-101.5284188	283191.0120537127	349649.063921312	3471.4678426019	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
253	255	262213	-204621.1413	1026037.3170250766	36.90065593	-101.5260752	283392.0617671806	349649.063921312	3470.28354233	3267.197101167875	3163.913633283686	3146.116428648286	104.5047607986055	121.30609311693076
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatThkLog.f	SatThkBoth.f
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377	355	262337	-122781.1413	1026037.3170250766	36.962048546512545	-101.2354585	308318.4517944775	4359567.363702171	317.6584149566076	3066.5917748741984	3007.9483092204972	3004.5724121714962	63.464346574470119	64.13465379929828
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404	355	262364	-104961.1413	1026037.3170250766	36.96225947769962	-101.1721777	313745.5787330284	4359857.405114977	3127.88739667477	3020.431507619462	2983.05069593624	2985.659683028282	37.970077941218	34.771871706366
405	355	262365	-104301.1413	1026037.3170250766	36.96226666	-101.169834	313946.580660609	4359853.33828095	3129.08165899667	3019.0102283323502	2979.960712818035	2981.527511570924	39.0442110169842	34.78216752577744
406	355	262366	-103641.1413	1026037.3170250766	36.96227379	-101.1674903	314147.582817528	4359849.268773514	3127.29271301065	3017.620641223292	2975.66140829263	2974.2567778072053	47.2328631699232	41.96801519706332
407	355	262367	-102981.1413	1026037.3170250766	36.9622808769575	-101.1651485	314348.584877533	4359845.19761323	3126.289457793145	3016.289457793145	2974.94289627028	2968.23368485875	48.3464675226941	47.055788717339275
408	355	262368	-102321.1413	1026037.3170250766	36.96228793144555	-101.162809	314549.5817269075	4359852.8259	3124.44779184356	3014.902492696253	2968.190249696253	2974.94289627028	51.8017613963363	45.0067471328478
409	355	262369	-101661.1413	1026037.3170250766	36.962295416695815	-101.160459	314750.5816695815	4359850.106700328	3123.73876255466	3013.73876255466	2965.95766942787	2967.157164099175	55.8197144472991	44.60285854317
410	355	262370	-101001.1413	1026037.3170250766	36.9622918685662	-101.1581153	314951.588813019	4359852.99287089	3123.4807082	3012.53238138633	2953.194118390914	2954.458477668314	53.3269217173158	48.07391074002161
411	355	262371	-100341.1413	1026037.3170250766	36.962300775337885	-101.1557716	315152.588660289	4359848.249849015	3124.89582522383	3011.374901	2950.8500996311497	2952.073702776312	50.52480141522028	59.30119830057866
412	355	262372	-99681.1413	1026037.3170250766	36.962315636739615	-101.1534278	315353.5907727103	4359824.857323865	3149.5362195503868	3009.267364	2949.748009038634	2950.168409038634	59.2437139693318	56.186409038634
413	355	262373	-99023.1413	1026037.3170250766	36.9623232861845	-101.1510841	315554.5941432773	4359820.78989537	3099.2098187540646	2949.769036553773	2951.0234921441015	2951.0234921441015	59.4849252163872	54.1662969693414
414	355	262374	-98361.1413	1026037.3170250766	36.9623292370449	-101.1487403	315755.59192151856	4359816.722988978	3146.02972163546	3008.1995059174	2950.481712485363	2951.0234921441015	57.70209410370664	56.3781081466587
415	355	262375	-97701.1413	1026037.3170250766	36.96233592076767	-101.146385	315958.5941432773	4359812.5941432773	3146.02972163546	3008.1995059174	2950.481712485363	2951.0234921441015	57.70209410370664	56.3781081466587
416	355	262376	-97041.1413	1026037.3170250766	36.9623423570449	-101.1440258	316157.594297185	4359808.9060672	3126.313727745691	3006.323991713673	2953.543061905759	2955.1281731012896	52.7009413	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevBoth.fg	SatThLogs.f	SatThBoth.f
494	355	262459	-42261.14133	1026037.3170250766	36.68273924736525	-100.9495209	332839.9998398456	4395471.858947861	3020.0234481528664	2896.339344514192	2855.02081	2853.470713169879	41.18534325989179	42.86233094531289
500	355	262460	-41601.14133	1026037.3170250766	36.682742712412638	-100.9471772	333040.95655360135	4395467.811692711	3014.522243432542	2894.52882899502	2853.70232141014	2852.9493738999687	40.82605579807793	42.03444999912517
501	355	262461	-40941.14133	1026037.3170250766	36.682744991670186	-100.9448334	333241.9713094637	4395463.764669971	3020.141020712971	2893.71784654578	2852.9633251308142	2847.673869606484	40.354551523761074	45.044007048091316
502	355	262462	-40281.14133	1026037.3170250766	36.68274744180892	-100.9424896	333442.956955555	4395459.717847495	3025.6099807	2890.90264919435	2850.6830927691526	2846.083805	40.1814543592724865	0
503	355	262463	-39621.14133	1026037.3170250766	36.682750482272892	-100.9401459	333643.9422242587	4395455.673124265	3022.6585673701275	2889.107687382716	2848.6720096677313	2840.303608015896	40.4096671484849	43.97831758112625
504	355	262464	-38961.14133	1026037.3170250766	36.68275317383652	-100.9378021	333844.927913916895	4395451.62480504	3028.0117031847534	2887.2551164823732	2846.1073537864336	2843.75455657097	41.1747269629874	43.5005662987454
505	355	262465	-38301.14133	1026037.3170250766	36.68275582827275	-100.9354583	334045.91238905636	4395447.57887399	2999.3760383249407	2885.42668	2843.118507387194	2841.4556641235233	42.30615919634056	43.9690138053659
506	355	262466	-37641.14133	1026037.3170250766	36.68275833806574	-100.9331146	334246.89123456204	4395443.535	2987.7347708023474	2881.99177886031175	2839.6274999496975	2838.356643041164	43.5005662987454	45.23436818995345
507	355	262467	-36981.14133	1026037.3170250766	36.68276093620501	-100.9307768	334447.86128241376	4395438.827297713	2986.540358991868	2881.7576773007377	2838.5818835706226	2834.838946281896	46.125763743711054	45.044007048091316
508	355	262468	-36321.14133	1026037.3170250766	36.68276358012301	-100.928427	334648.8664528162	4395434.81198308	2992.67333625044	2879.923110272757	2831.164602640512	2830.860488279412	45.05665007411	49.0526214482844
509	355	262469	-35661.14133	1026037.3170250766	36.68276597736564	-100.9260832	334849.8805168086	4395431.396811184	2999.8461305817984	2878.0882971785654	2827.388341880454	2826.955971196403	50.6999553829132	51.1320024
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511	355	262471	-34341.14133	1026037.3170250766	36.68277077999462	-100.9213957	335251.8190564505	4395423.30716195	3003.8643939716017	2874.451439473867	2826.29388907262	2825.14873308707	48.1214850406083	48.6376756169809
512	355	262472	-33681.14133	1026037.3170250766	36.68277311330909	-100.9190519	335452.802050782	4395419.26284079	2990.379664515565	2872.574614	2826.105765324086	2825.454662248909	46.4903747512157	47.119952024639545
513	355	262473	-33021.14133	1026037.3170250766	36.682775401509184	-100.916782	335653.7866753361	4395415.218437863	2976.859800159503	2870.728086379967	2825.4375769940375	2824.676655740458	45.9905989592545	45.8514306753975
514	355	262474	-32361.14133	1026037.3170250766	36.68277784	-100.9143644	335854.7702413808	4395411.71423035	2963.4121155133543	2868.873947711884	2824.681397484416	2823.962206831215	44.19008022442525	44.880720788702574
515	355	262475	-31701.14133	1026037.3170250766	36.68278184189749	-100.9120206	336055.7368448193	4395407.13063918	2957.97565895868	2867.101262629016	2823.725320202143	2822.904685360039	43.28494271880163	44.1055775668701
516	355	262476	-31041.14133	1026037.3170250766	36.68278199	-100.9096768	336256.736966955	4395403.807807567	2956.1314115566704	2865.133687909197	2822.840151704465	2821.554041393111	42.927170864456	43.5792873780846
517	355	262477	-30381.14133	1026037.3170250766	36.682784101166275	-100.9073331	336457.719896306	4395399.304766888	2963.171916421	2863.2431933247323	2821.486638132413	2820.2573275691093	41.75475521521912	42.98406577852302
518	355	262478	-29721.14133	1026037.3170250766	36.682786162880026	-100.9049893	336658.7029175634	4395385.000667753	2965.772617784527	2861.330593531363	2820.001793758531	2818.841581243779	41.2827657	42.4889780
519	355	262479	-29061.14133	1026037.3170250766	36.68278817931329	-100.9026455	336859.6886960491	4395390.958	2965.768230954218	2859.393927590275	2816.364395920275	2816.663363504797	41.03508315820318	42.7362029245289596
520	355	262480	-28401.14133	1026037.3170250766	36.68279015046611	-100.9003018	337010.6880557445	4395385.9151299915	2963.15834244842	2857.4463621970505	2816.805895400534	2814.959425459988	40.640467916131	42.45330674
521	355	262481	-27741.14133	1026037.3170250766	36.68279215378461	-100.8979886	337161.702837846	4395380.542739713	2962.54037635458	2856.107199148747	2815.93737380354	2814.959425459988	40.640467916131	42.45330674
522	355	262482	-27081.14133	1026037.3170250766	36.68279365930366	-100.8956142	337362.6330628472	4395378.80363757	2957.9400408259375	2853.44955707236	2813.906709138475	2811.109406749628	39.50924266567808	42.359054891455345
523	355	262483	-26421.14133	1026037.3170250766	36.68279592241179	-100.8932704	337663.6150252612	4395374.788701123	2952.695221362475	2851.44477020908	2812.056234581855	2809.1905321786827	38.9844724	42.25418384
524	355	262484	-25761.14133	1026037.3170250766	36.68279758227275	-100.8909267	337864.5971905205	4395370.746998901	2946.414979146614	2849.3916645778036	2809.758760208085	2809.758760208085	36.6320454971502	42.31961258125557
525	355	262485	-25101.14133	1026037.3170250766	36.68279972072324	-100.8885829	338065.5790188361	4395365.929972979	2936.93473926753	2847.3110201738223	2807.638426876993	2804.89708512902	36.6320454971502	42.31961258125557
526	355	262486	-24441.14133	1026037.3170250766	36.6828010264322	-100.8862191	338266.5606904129	4395362.664291049	2929.05494708892	2845.202533	2805.1766844853936	2802.731077873536	40.0258478370041	42.67082449074035
527	355	262487	-23781.14133	1026037.3170250766	36.68280368628746	-100.8838656	338467.5420254568	4395358.232836808	2924.9624704369957	2843.9624704369957	2804.9624704369957	2804.9624704369957	41.00252374089152	42.67082449074035
528	355	262488	-23121.14133	1026037.3170250766	36.682806325561725	-100.8815516	338658.5235641725	4395348.5235641725	2921.7405811716	2840.545146346825	2803.9624704369957	2803.9624704369957	41.00252374089152	42.67082449074035
529	355	262489	-22461.14133	1026037.3170250766	36.682808955232034	-100.8792078	338869.50476678164	4395340.511662542	2919.5042606195366	2838.7169213313346	2795.9336815229477	2794.9624704369957	42.7805561183681	44.3303015735403
530	355	262490	-21801.14133	1026037.3170250766	36.68280737	-100.876864	339070.48581344774	4395335.501648903	2917.2620115632316	2836.504572	2791.161116323164	2791.161116323164	42.9324562732624	45.3067111648287
531	355	262491	-21141.14133	1026037.3170250766	36.682808844635955	-100.8745203	339271.4667	4395342.461566512	2912.3104629490458	2834.268369824057	2789.3389449588323	2788.1830761227084	44.92942036822478	46.085293701348746
532	355	262492	-20481.14133	1026037.3170250766	36.68281027243004	-100.8721765	339472.4474398965	4395340.511662542	2904.655003159514	2832.093451128564	2786.864730139648	2786.864730139648	45.1446149732026	46.1147042
533	355	262493	-19821.14133	1026037.3170250766	36.68281164529562	-100.8698327	339673.4282005704	4395334.36206452	2898.959437733335	2829.7286476733562	2785.5266886837587	2784.710408335895	44.20195903959652	45.01824728981025
534	355	262494	-19161.14133	1026037.3170250766	36.68281298215556	-100.8674689	339874.4084515744	4395330.24270619	2894.344083591757	2827.427082545605	2784.69229702746	2784.69229702746	42.73461297131428	42.67082449074035
535	355	262495	-18501.14133	1026037.3170250766	36.68281428410112	-100.8651452	339973.3835153156	4395328.903548286	2892.052597077334	2825.1075874747956	2783.967105920784	2784.0161675318695	41.1405527271721	41.09084121292608
536	355	262496	-17841.14133	1026037.3170250766	36.68281553076219	-100.8628014	340276.368830472	4395322.26463019	2886.12508380464	2822.770242838309	2782.9282757400033	2782.9444985853163	39.8196714305505	39.82534402549254
537	355	262497	-17181.14133	1026037.3170250766	36.68281673215082	-100.8604576	340477.34879188915	4395318.225629747	2884.0164850402312	2821.617933693555	2781.7217655102477	2781.7217655102477	38.798911326456	38.7047051316429
538	355	262498	-16521.14133	1026037.3170250766	36.682817888254844	-100.8581138	340678.328596655	4395314.1874408	2880.270057274351	2818.048762762267	2780.945224208095	2780.968511032718	37.103383585472	37.0802517295487
539	355	262499	-15861.14133	1026037.3170250766	36.68281989897838	-100.8558771	340879.38952513799	4395310.731923373	2881.398073743281	2816.6675929291296	2781.984733524013	2781.984733524013	36.6320454971502	36.6320454971502
540	355	262500	-15201.14133	1026037.3170250766	36.6828206462137	-100.8534263	341080.2875023896	4395306.111228487	2826.491616917505	2813.373096545022	2783.326181099963	2783.326181099963	36.6320454971502	36.6320454971502
541	355	262501	-14541.14133	1026037.3170250766	36.68282216483836	-100.8510919	341281.2650947896	4395302.54782491	2824.97658245484	2812.056234581855	2782.056234581855	2782.056234581855	36.6320454971502	36.6320454971502
542	355	262502	-13881.14133	1026037.3170250766	36.68282320596582	-100.8487387	341482.24628773109	4395306.1052913529	2816.738058259413	2808.43589514				

ix	iy	ic	X.fff	Y.fff	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogskg.f	BREIEvBothkg.f	SatThkLog.s	SatThkBoth.f
625	62585	4089.85867307335	1026037.3170250766	36.69274513546278	-100.6542059	558163.0048471368	434963.725107035	2850.1078346811655	2675.2882873832885	2685.2939920241306	2685.4974603293943	0	0	
626	62586	4155.85867307335	1026037.3170250766	36.69274231	-100.6518168	558363.9715885038	434959.70665362	2857.481598608454	2673.4289491442344	2678.581738948516	2678.860400233445	0	0	
627	62587	4218.85867307335	1026037.3170250766	36.6927394532266	-100.649818	558454.3836787041	434955.69363818	2857.582558172418	2672.5995653819237	2672.4673002940357	2672.463663665278	0	317164587739346	
628	62588	4278.85867307335	1026037.3170250766	36.69273561388205	-100.6477142	558576.905533071	434951.67133012	2850.4800115558943	2671.2589471314153	2666.1590048158796	2666.1535230635075	5.09116687535764	4.644475803	
629	62589	4338.85867307335	1026037.3170250766	36.69273334946106	-100.6448305	558696.872180439	434947.63587977	2843.2377529371	2668.922062114378	2660.9859332313454	2661.600519905482	13.99021918002394	8.32154250595676	
630	62590	4419.85867307335	1026037.3170250766	36.69273053975827	-100.6424867	559167.8379735214	434943.36641964	2836.04925922847	2668.5919530393266	2657.55826311793	2657.680973527908	11.836612012313521	10.4945865482678	
631	62591	4485.85867307335	1026037.3170250766	36.69272748477695	-100.6401429	559388.9051366595	434939.6190449	2835.579216063466	2667.2701222581195	2656.20486791584	2656.485404511904	11.065254324305707	10.78471788392102	
632	62592	4551.85867307335	1026037.3170250766	36.69272438541457	-100.6377592	559569.713650545	434935.603	2841.770363	2656.96080313505	2656.622770981586	2656.329116830414903	9.380291231352603	9.039120872014337	
633	62593	4618.85867307335	1026037.3170250766	36.6927212897221	-100.6354564	559770.734557542	434931.5863826	2847.9449465384	2654.665955147702	2654.6557239	2654.8197014739277	6.00872648042205	5.74726379774155	
634	62594	4683.85867307335	1026037.3170250766	36.69271804814852	-100.6331116	559971.7031195004	434927.57018249	2845.1592461787	2653.3870515267904	2651.490538282585	2651.8223342420376	1.899628985319105	1.65110524758229	
635	62595	4749.85867307335	1026037.3170250766	36.69271481024652	-100.6307679	560172.669323805	434923.55308132	2853.1367117858	2652.17696937437	2654.627604003057	2654.9704132607616	0	0	
636	62596	4815.85867307335	1026037.3170250766	36.6927115366321	-100.6284241	560373.634921731	434919.53808445	2844.886179686212	2650.88770095736	2647.630587383615	2647.8022513002416	0	0	
637	62597	4881.85867307335	1026037.3170250766	36.6927082039957	-100.6260803	560574.6004756718	434915.52246023	2836.65588184576	2650.6716215032125	2649.061091609186	2649.2657008093836	0	0	
638	62598	4947.85867307335	1026037.3170250766	36.69270483205564	-100.6237366	560775.56595964	434907.50979105	2828.41759682397	2650.4770621581415	2649.252861729492	2649.621226095936	0	0	
639	62599	5013.85867307335	1026037.3170250766	36.69270141453143	-100.6213298	560976.5318278995	434903.492	2825.02908987851	2657.306037209385	2648.62525444374	2648.7439349219826	0	0	
640	62600	5079.85867307335	1026037.3170250766	36.6926978522091	-100.619049	561177.4983353569	434903.47690277	2826.495684620214	2656.1590440112198	2647.61753101885	2647.755805730803	0	0	
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667	62627	6861.85867307335	1026037.3170250766	36.692590736837024	-100.5558211	566603.528947954	434791.134698384	2789.242468750374	2636.327816521683	2633.9895177016	2631.82044804812	5.055645218190422	5.45719335752848	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBoth.f	SatHtLog.f	SatHtBoth.f
1	356	262711	-363431.1413	10266937.310250766	36.86774588969637	-102.0932336	234739.7192792388	4397676.048989637	373.8040931	3550.794453290654	3548.8003157425293	59.941393432469	56.7928758635111
12	356	262712	-363681.1413	10266937.310250766	36.8677708155972	-102.0980024	234940.8514255978	4397671.8884441815	370.8705106	3548.66562722767293	3543.911604459215	54.7540671517417	55.70576825345451
13	356	262713	-363921.1413	10266937.310250766	36.8678367815486	-102.0984668	235141.3409498668	4397667.7277342298	370.7871929	3548.631211948034	3548.2299135128736	48.93129843869028	53.4146618103341
14	356	262714	-362631.1413	10266937.310250766	36.86782066948114	-102.0962034	235343.02869402	4397663.566213677	370.0506321	3544.3907598012142	3491.01906513477	54.7907182756551	52.54087932904515
15	356	262715	-361701.1413	10266937.310250766	36.86784505539165	-102.08386	235544.11707702308	4397659.4055207977	369.6046015330956	3542.2439617295376	3490.689026317282	54.20926994	51.5747372684339
16	356	262716	-361041.1413	10266937.310250766	36.8678702632862	-102.0815166	235745.205197191	4397655.425017302	369.1601453813035	3540.0940480355936	3489.7684670589376	34.89032202977386	51.02718747665592
17	356	262717	-360381.1413	10266937.310250766	36.8678950418499	-102.0791732	235946.2930566648	4397651.084749282	368.5988232124076	3537.931376247375	3488.3720154940634	49.55936013067412	49.74219291230884
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19	356	262719	-358961.1413	10266937.310250766	36.8679438705822	-102.0744684	236548.467890214	4397642.764819268	366.589925861798	3533.80058676787	3484.8216585810058	48.7880029578118	48.96189109203908
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21	356	262721	-357471.1413	10266937.310250766	36.8679798	-102.0697998	236750.6418795477	4397634.064041783	364.8576281789035	3529.2468093014086	3480.9463329327363	48.73007437304536	48.2987210387536
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24	356	262724	-355761.1413	10266937.310250766	36.86806969297081	-102.0627694	237353.3907576494	4397621.964577745	3625.163201440035	3522.6403670436097	3475.4338659616874	47.47563704347343	47.40649451
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39	356	262739	-345861.1413	10266937.310250766	36.868429062954	-102.027618	240376.1682572461	4397561.8111012	3501.917252003043	3485.06396182968	3449.734115552798	42.451198958274644	35.900627425861785
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41	356	262741	-344541.1413	10266937.310250766	36.8684753366004	-102.0229312	240772.32379348023	4397551.308839109	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
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52	356	262752	-337281.1413	10266937.310250766	36.868722155906	-101.9971533	242984.204427683	4397505.623652327	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
53	356	262753	-336621.1413	10266937.310250766	36.8687367815486	-101.9948749	243185.367815486	4397501.812020929824	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
54	356	262754	-335961.1413	10266937.310250766	36.868757801976	-101.9924664	243386.3618737967	4397497.302309288	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
55	356	262755	-335301.1413	10266937.310250766	36.8688018271559	-101.990123	243587.4390946457	4397493.16877614	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
56	356	262756	-334641.1413	10266937.310250766	36.8688248017639	-101.9877795	243788.5177	4397489.017887557	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
57	356	262757	-333981.1413	10266937.310250766	36.86884741907075	-101.9854361	243989.59527727665	4397484.807632627	3500.3668177702	3478.5117268756603	3447.812020929824	42.451198958274644	35.900627425861785
58	356	262758	-333321.1413	10266937.310250766	36.8688703137527	-101.9830926	244190.6725835958	4397480.716428718	3500.3668177702	3478.511726875			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIElev.Kg.f	BREIElev.Kg.f	SatH.Kg.f	SatHBoth.f
137	356	262837	-28181.1413	10266937.310250766	36.90053584100802	-101.797548	600740.9973212218	4397153.560003924	3549.65938293746	334.944663398094	3300.230282442345	3299.896207575144	84.71438091389526	85.04784264057935
138	356	262838	-280521.1413	10266937.310250766	36.90055510870111	-101.796113	600726.0550362741	4397148.428175165	3567.6602136259853	3384.557760360877	3298.230569880298	3298.141189959676	86.2365337805793	86.41657170232158
139	356	262839	-279861.1413	10266937.310250766	36.90057433112041	-101.793877	600477.11351479716	4397145.296409595	3584.1704962132385	3298.02389022453	3295.720481857875	85.14740719078554	88.40007192078554	88.40007192078554
140	356	262840	-272001.1413	10266937.310250766	36.9005935082565884	-101.7909241	600676.1679569499	4397141.165	3559.17037168287	3383.783612824546	3293.6046415923192	3292.924407242725	90.71371969013539	90.85392100818217
141	356	262841	-278541.1413	10266937.310250766	36.900613400413749	-101.7885086	600879.2263763045	4397137.034063995	3553.5147024184633	3383.735881494758	3290.88837346191	3298.989979134567	92.4868441485669	93.38590236019081
142	356	262842	-277881.1413	10266937.310250766	36.900631726735184	-101.786237	601080.28363324297	4397133.303205055	3555.855209288394	3382.965209288394	3288.316661156008	3294.3793457657	94.639597283119	95.606726983701
143	356	262843	-277221.1413	10266937.310250766	36.90065076805896	-101.7838934	601281.2400677054	4397128.725500474	3552.38622275303	3382.21663275303	3285.212340737686	3283.96324534347	95.3203298556242	96.0638239855627
144	356	262844	-276561.1413	10266937.310250766	36.90066976410875	-101.7815498	601482.3964	4397124.621427846	3547.10459304533	3382.053748480552	3282.00674032333	3280.319562033365	96.0350743762192	96.0350743762192
145	356	262845	-275901.1413	10266937.310250766	36.90068871484516	-101.779563	601683.4543034167	4397120.511841952	3541.82657861684	3381.516962208597	3278.959888722453	3278.570481857875	96.5688707381991	96.5688707381991
146	356	262846	-275241.1413	10266937.310250766	36.9007072038923	-101.776527	601884.5062589213	4397116.381989716	3538.541105854747	3380.947025220293	3276.3243757400474	3275.755652750773	96.6255057173491	96.19433301712207
147	356	262847	-274581.1413	10266937.310250766	36.90072648061386	-101.7745191	62085.56385263224	4397112.522720015	3531.22665270031	3380.32419448626	3274.68542303065	3273.474407960302	96.68715679414	96.68715679414
148	356	262848	-273921.1413	10266937.310250766	36.9007452955673	-101.7721755	62226.6121166454	4397108.122788909	3525.87439927596	3379.6420286122902	3274.216575759855	3275.075626787247	96.45826593552477	96.45826593552477
149	356	262849	-273261.1413	10266937.310250766	36.90076405524671	-101.7698319	622487.674332293	4397103.993504134	3520.532253382725	3378.8998337447707	3274.7219425247986	3274.2961588598131	96.41789124999716	96.41789124999716
150	356	262850	-272601.1413	10266937.310250766	36.90078279651855	-101.7674884	622688.79226354	4397095.946525966	3515.185067	3378.0979237126853	3275.832625208474	3276.302459434344	96.2668979183789	96.2668979183789
151	356	262851	-271941.1413	10266937.310250766	36.90080146876278	-101.7651448	622888.78388278425	4397091.75748301	3515.8712495963016	3377.246654480575	3275.970910773675	3277.1481953435305	96.07257437	96.07257437
152	356	262852	-271281.1413	10266937.310250766	36.90082010223943	-101.7628012	623090.8330518764	4397091.6071127	3522.462144710076	3376.347202856428	3275.05114717041	3277.930208135583	96.297054338705	96.297054338705
153	356	262853	-270621.1413	10266937.310250766	36.90083869122177	-101.7604576	623291.892493488	4397087.478980441	3529.0417084755128	3375.408433633097	3278.699772954623	3279.329294279744	96.7096616917675	96.7096616917675
154	356	262854	-269961.1413	10266937.310250766	36.90085723452977	-101.758114	623492.8644492746	4397083.505142335	3535.653820241196	3374.4707983084	3278.906781596463	3279.7273438213	96.829627024784	94.7083436297105
155	356	262855	-269301.1413	10266937.310250766	36.90087573256397	-101.7557704	623694.0001713723	4397079.229724955	3538.2436379562	3373.419451523077	3278.315599	3279.989623522544	94.9238162777114	93.4407819783295
156	356	262856	-268641.1413	10266937.310250766	36.900894185322584	-101.7534268	623895.03660479	4397075.90536221	3372.4194507368798	3277.544947926597	3277.337707618	3279.83707618	94.86947504422008	93.08174311872062
157	356	262857	-267981.1413	10266937.310250766	36.9009129820735	-101.7510382	624096.186917064	4397070.79929404	3535.7692190913	3371.38103896513	3276.124735003233	3278.261441722919	95.2576640685	93.1919971835941
158	356	262858	-267321.1413	10266937.310250766	36.90093050051763	-101.7487396	624297.15940435904	4397066.40564035	3533.94571022398	3370.37241582836	3274.519175193133	3278.1750311526	95.80082691292243	92.15391721331964
159	356	262859	-266661.1413	10266937.310250766	36.900948127195638	-101.7463787	624498.12316027	4397062.13804288597	3532.713804288597	3369.2611275480957	3273.452681934842	3275.98305348442	96.20051655176745	96.20051655176745
160	356	262860	-266001.1413	10266937.310250766	36.90096754362396	-101.7440025	624699.26539053044	4397058.58727852	3530.6566829209	3368.14611763525	3271.058703416713	3266.01512757793	97.12545894072619	96.158264904742619
161	356	262861	-265341.1413	10266937.310250766	36.90098577001025	-101.7417089	624900.371775525	4397054.46084395	3531.276367467023	3367.08806931671	3269.535151910017	3266.522994216448	97.56290902165438	96.5075667152541
162	356	262862	-264681.1413	10266937.310250766	36.9010036112222	-101.7393653	625101.3689129674	4397050.34264247	3530.49604474177	3366.004017	3267.9278191697726	3266.17446005025	96.076192809752	99.8259569
163	356	262863	-264021.1413	10266937.310250766	36.9010220869591	-101.7370217	625302.461766234	4397046.20862668	3528.70906547012	3364.902495402776	3266.426689720467	3266.00460006667	96.076192809752	99.8259569
164	356	262864	-263361.1413	10266937.310250766	36.90104072229218	-101.7346781	625503.473089496	4397042.08244775	3525.8911186476075	3363.795541118678	3264.919502366299	3265.9084498149784	96.8760373238913	97.88707420369974
165	356	262865	-262701.1413	10266937.310250766	36.90105917212968	-101.7323345	625704.5247711144	4397037.94477435	3523.881271610938	3362.93683092893	3263.435890282963	3265.737991829262	96.8760373238913	97.88707420369974
166	356	262866	-262041.1413	10266937.310250766	36.9010778222309	-101.7299879	625905.576222309	4397033.142483125	3521.874899307324	3361.574899307324	3262.91788504457107	3262.718504457107	96.5569716316452	96.5569716316452
167	356	262867	-261381.1413	10266937.310250766	36.90109417756139	-101.7276473	626106.6268197626	4397029.707155618	3518.349646580765	3360.46465580765	3260.338334851095	3262.357834466923	94.23368213	94.23368213
168	356	262868	-260721.1413	10266937.310250766	36.90111297024855	-101.7253037	626307.3677526662	4397025.58261321	3517.314074819372	3359.368921613156	3258.86383102633	3265.68142486932	96.5075287802895	93.68024967468364
169	356	262869	-260061.1413	10266937.310250766	36.90112995121345	-101.72296	626508.7280072307	4397021.458701395	3516.279123644084	3358.27418154812	3257.38378948342	3262.8307550398417	96.4407861783295	95.4604631497045
170	356	262870	-259401.1413	10266937.310250766	36.90114770172175	-101.7206164	626709.778	4397017.3347826	3515.244173474954	3357.178483995112	3255.931349424659	3260.701964732513	96.4407861783295	95.4604631497045
171	356	262871	-258741.1413	10266937.310250766	36.90116554	-101.7182728	626910.8282741653	4397013.20834808	3513.5259717869575	3356.08943608414	3254.5835219510423	3258.4221228197510	96.5089146573717	96.5089146573717
172	356	262872	-258081.1413	10266937.310250766	36.9011832712968	-101.7159222	627111.878062345	4397009.08527734	3511.13335730346	3355.040193924957	3254.452681934842	3257.98305348442	96.20051655176745	96.20051655176745
173	356	262873	-257421.1413	10266937.310250766	36.90120055218456	-101.7135856	627313.9276221885	4397004.961905195	3509.37778840194	3353.921857201209	3252.457024585785	3255.847183108248	96.46337246302	96.46337246302
174	356	262874	-256761.1413	10266937.310250766	36.90121859303217	-101.711242	627513.97895218126	4396993.38316984	3506.342290094927	3352.842420978866	3251.673232336193	3254.3042178225023	96.191866474281	96.53820315563631
175	356	262875	-256101.1413	10266937.310250766	36.90123618557008	-101.7088984	627715.026503404	4396986.71563096	3505.076812	3351.763852861574	3251.142249436257	3253.421561854734	96.62160342710013	96.34279668
176	356	262876	-255441.1413	10266937.310250766	36.901253732834376	-101.7065548	627916.074825079	4396982.59243322	3504.941518096516	3350.683069	3250.5629568310956	3250.5629568310956	96.120011761633455	96.0248378438242
177	356	262877	-254781.1413	10266937.310250766	36.90127123482276	-101.7042112	628117.123568288	4396984.489758251	3503.897693539386	3349.679953624783	3251.800694325017	3250.495696008032	97.8003544968793	97.8003544968793
178	356	262878	-254121.1413	10266937.310250766	36.9012889153958	-101.7018763	628318.1719837077	4396984.347307281	3504.67093	3348.900030049484	3248.151776894834	3250.3283625001066	96.368210068099	96.368210068099
179	356	262879	-253461.1413	10266937.310250766	36.9013071290767	-101.699521	628519.22026964	4396982.23026964	3503.51777	3348.026181647	3247.974781643	3247.974781643	96.191866474281	96.191866474281
180	356	262880	-252801.1413	10266937.310250766	36.90132439313577	-101.6971803	628720.2861	4396980.73108206	3502.5327212165102	3346.35183031085	3245.83599301435	3247.8418108248	96.4047861783295	96.4047861783295
181	356	26												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	SattThLofts.f	SattThBoht.f
263	356	262963	-198021.1413	1026997.3170250766	39.692607028006705	-101.5026564	285406.4742071977	3969634.79452517	3427.6108756462645	3245.308140610555	3153.293629473822	3129.5366905895397	92.0144751373293	115.7714902010152
264	356	262964	-197361.1413	1026997.3170250766	39.692602509537345	-101.5003126	285607.50344735534	3969630.96195299	3429.9179832155482	3243.806134678553	3151.772320346528	3100.3065894492516	92.0381432892510	113.4995482282169
265	356	262965	-196701.1413	1026997.3170250766	39.692634103590918	-101.4937869	285608.5330790782	3969635.9009969738	3433.225929694832	3242.947494114897	3148.891524778301	3130.899750798434	92.0431246319285	111.34989881305967
266	356	262966	-196041.1413	1026997.3170250766	39.6926475809521	-101.4856252	286009.5621877255	3969622.488326485	3434.772301571256	3241.7767865115445	3131.0748523986536	3109.964145453986536	92.0644164571164	109.8947775840232
267	356	262967	-195381.1413	1026997.3170250766	39.692661008062395	-101.48322815	286210.59109345125	3969618.286521033	3435.028928900066	3239.239892935166	3144.8978132795633	3131.603252890166	92.04347996	107.6363699550014
268	356	262968	-194721.1413	1026997.3170250766	39.69267438981695	-101.4909378	286411.619789171225	3969614.2852712133	3437.3178355958125	3237.636215852547	3142.185585750276	3131.4560901191917	95.50308305	107.6363699550014
269	356	262969	-194061.1413	1026997.3170250766	39.6926877262314	-101.4885941	286612.68672626373	3969610.184050334	3438.058928900113	3236.139313140362	3138.9898148203037	3131.5289526023676	97.1440983200674	104.60469053799443
270	356	262970	-193401.1413	1026997.3170250766	39.69270110766662	-101.4862504	286813.676531317	3969606.03121729	3441.0939491951133	3234.3617085549566	3136.2407993913616	3130.79530504765	98.32000913659493	103.7786130501917
271	356	262971	-192741.1413	1026997.3170250766	39.692714638721165	-101.4836967	287014.7046	3969601.88247581	3443.979102276322	3232.9784802237614	3135.9234622645827	3129.755964991037	100.05577795970768	102.788372465766
272	356	262972	-192081.1413	1026997.3170250766	39.692727463470736	-101.481163	287215.7324797298	3969597.881966559	3445.05264	3231.385725815655	3129.584739675019	3128.59925938077	101.8017730954536	102.788372465766
273	356	262973	-191421.1413	1026997.3170250766	39.692740619803935	-101.4792193	287416.60215621025	3969593.78179308	3448.128592018527	3229.766277828465	3126.205109665173	3129.073194382147	101.8017730954536	102.788372465766
274	356	262974	-190761.1413	1026997.3170250766	39.6927532996088	-101.4767556	287617.7875706244	3969589.881745213	3452.0847886734	3228.181417989653	3122.8297364682503	3127.396470639642	105.3516815214025	107.846719527106
275	356	262975	-190101.1413	1026997.3170250766	39.69276679483438	-101.4745319	287818.8148032404	3969585.881984872	3456.27771069276	3226.5731376202716	3119.497422015831	3125.964724737212	107.846719527106	107.846719527106
276	356	262976	-189441.1413	1026997.3170250766	39.69277981442981	-101.4721862	288019.8148276096	3969581.482480755	3457.027239155484	3224.962682512059	3116.482735	3124.131498333963	108.4799479453385	108.4932678669508
277	356	262977	-188781.1413	1026997.3170250766	39.69279279874715	-101.469844	288220.8688439182	3969577.383168417	3458.2920120476532	3223.351474994534	3115.5553878319142	3122.56878888796	109.790871626201	109.790871626201
278	356	262978	-188121.1413	1026997.3170250766	39.692805717786364	-101.4676007	288421.89525273238	3969573.301450588	3459.311623530535	3221.74066250355	3110.496001177893	3120.920293817305	111.24566003249465	101.8017730954536
279	356	262979	-187461.1413	1026997.3170250766	39.69281860154741	-101.465157	288622.92165318212	3969565.18578877	3460.259696418247	3220.313700477754	3107.5973185546545	3119.21480605909	112.53405151222887	100.0398799168236
280	356	262980	-186801.1413	1026997.3170250766	39.69283144003028	-101.462813	288823.9478651656	3969565.087	3461.336203690447	3218.532389911253	3105.036202738408	3118.485909786953	114.871831728451	100.0476172435791
281	356	262981	-186141.1413	1026997.3170250766	39.692844233234986	-101.4604696	289024.9738268795	3969560.988326992	3462.38012710986856	3216.915484175829	3102.524533915265	3118.7506016852903	114.3010738042303	96.1649405943973
282	356	262982	-185481.1413	1026997.3170250766	39.692856981161455	-101.4581259	289225.9966117976	3969556.89	3463.0891826192525	3115.3082540839528	3100.349382017645	3114.958872012367	114.958872012367	96.1649405943973
283	356	262983	-184821.1413	1026997.3170250766	39.69286986380964	-101.4557821	289427.0521840384	3969552.6949034	3464.0996843096873	3213.70214626003	3098.09356540740	3105.461748782694	115.6088971037698	98.3409837746347
284	356	262984	-184161.1413	1026997.3170250766	39.69288234117957	-101.4534384	289628.0505497557	3969549.69040372	3465.3300090969874	3212.907438945432	3097.872695371233	3111.925187	116.254260570712	100.18265164005512
285	356	262985	-183501.1413	1026997.3170250766	39.692894981498157	-101.4511923	289829.0570981857	3969545.972891857	3466.5682735872667	3211.9507871833497	3096.7389286872922	3111.7879775280294	118.7579726814751	100.7579726814751
286	356	262986	-182841.1413	1026997.3170250766	39.69290752006453	-101.448751	290030.100620806	3969540.50003342	3467.61405588777	3208.9240065483	3091.538201255668	3104.7378011809515	117.342540330169	100.1456594753139
287	356	262987	-182181.1413	1026997.3170250766	39.69292004161949	-101.4464073	290231.1254	3969535.400705918	3468.6914979183415	3207.97160813063	3089.5878886159564	3104.2703844229415	117.70384746534228	106.0201788268478
288	356	262988	-181521.1413	1026997.3170250766	39.69293521788227	-101.4440635	290432.1500503453	3969532.30681878	3469.341287235935	3205.690676316844	3087.0474675019	3098.068021416955	116.619914242653	107.6228465149885
289	356	262989	-180861.1413	1026997.3170250766	39.69294844886044	-101.4417198	290633.1743860406	3969529.209865675	3470.155015840135	3204.085366538356	3085.552671809719	3095.43625578801	118.5356547521467	106.8521109851346
290	356	262990	-180201.1413	1026997.3170250766	39.692961735460205	-101.4393761	290834.1858163545	3969524.114	3471.048273828493	3203.484817950393	3084.367930534352	3093.910104515049	118.11688268748449	108.5741343889713
291	356	262991	-179541.1413	1026997.3170250766	39.692974691498157	-101.4370231	291035.224414149714	3969519.05781497	3472.604114118529	3202.587817833497	3083.7869288972922	3117.7879775280294	118.7579726814751	100.7579726814751
292	356	262992	-178881.1413	1026997.3170250766	39.692987190124234	-101.4346868	291226.2461671473	3969515.92178258	3473.601103594513	3201.98833118636	3082.94545998611	3112.3247113254021	118.7579726814751	100.7579726814751
293	356	262993	-178221.1413	1026997.3170250766	39.69299421996872	-101.4323449	291437.2696770942	3969511.82625218	3474.602660865742	3200.933661606917	3081.963970103692	3104.73319825874	118.6824642569954	95.91964633481348
294	356	262994	-177561.1413	1026997.3170250766	39.69300642547557	-101.4300012	291638.292087605	3969507.730008802	3475.6019328430963	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
295	356	262995	-176901.1413	1026997.3170250766	39.69301858388135	-101.4276575	291839.3160944803	3969503.638099373	3476.604978778543	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
296	356	262996	-176241.1413	1026997.3170250766	39.693030697910594	-101.4253137	292040.3398969608	3969495.504252382	3477.6062592758474	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
297	356	262997	-175581.1413	1026997.3170250766	39.69304276690748	-101.42297	292241.3616953073	3969486.44823206	3478.6075097728405	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
298	356	262998	-174921.1413	1026997.3170250766	39.693054701732294	-101.420623	292442.3841902057	3969481.351937402	3479.608874262478	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
299	356	262999	-174261.1413	1026997.3170250766	39.69306683825251	-101.4183285	292643.4064812236	3969475.277799605	3480.6098777799605	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
300	356	263000	-173601.1413	1026997.3170250766	39.69307801239465	-101.4159388	292844.425691064	3969463.16356578	3481.607469934047	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
301	356	263001	-172941.1413	1026997.3170250766	39.69309058887055	-101.4135951	293045.4505838714	3969451.070165137	3482.6083597516915	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
302	356	263002	-172281.1413	1026997.3170250766	39.6931023123192	-101.4112513	293246.4713573508	3969443.976730773	3483.609619961695	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
303	356	263003	-171621.1413	1026997.3170250766	39.69311428310066	-101.4089076	293447.4936149245	3969438.8383669	3484.6107757463323	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
304	356	263004	-170961.1413	1026997.3170250766	39.69312598011904	-101.4065639	293648.5148911091	3969433.70492525	3485.61169902536	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
305	356	263005	-170301.1413	1026997.3170250766	39.69313769450768	-101.4042194	293849.5368148719	3969428.25495823	3486.612809784673	3200.042214056434	3080.5754900668173	3109.4924066140945	109.4723992761373	85.6401948453993
306	356	263006	-169641.1413	1026997.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevWtKrg.ft	SatHtA30m	SatHtBoth.ft
390	356	263089	-114861.1413	1026697.3170250766	39.63939587027824	-101.2073439	107734.6053645563	4396119.738226498	3069.010465344633	401.0784425168	2973.468414069983	2979.534980340926	70.54943046	64.48228640277554
390	356	263090	-114201.1413	1026997.3170250766	39.639397244779048	-101.2050001	103035.609998484	4396115.665217908	3066.30256921190	404.185435759993	2972.340078187584	2979.1726697548906	69.85452157242892	63.0578200310225
391	356	263091	-113641.1413	1026997.3170250766	39.639401707776021	-101.2036564	1111365.444782603	4396111.592342484	3064.907064358178	400.3621495207144	2970.9241202539447	68.57041196347773	61.1412627347773	54.696383
392	356	263092	-112881.1413	1026997.3170250766	39.6393822444034	-101.2001261	113337.818712842	4396103.50026963	3064.523905798074	403.551338176316	2969.6404334313964	2979.4008203362285	68.90600379	59.14313428433706
393	356	263093	-112221.1413	1026997.3170250766	39.63939054635032	-101.1979868	115338.6227937157	4396103.447802605	3064.240837166431	403.764294380955	2968.130079	2977.068744640314	68.6247705555654	56.3568030477966
394	356	263094	-111561.1413	1026997.3170250766	39.63938022297767	-101.195625	117139.6266905455	4396109.37577147	3063.957378659942	406.873938393155	2977.088786110096	68.0440473396265	57.5869895846276	51.66609895846276
395	356	263095	-110901.1413	1026997.3170250766	39.6400585432898	-101.1932812	119440.630	4396095.30386279	3063.21727341827	406.5899578801166	2975.019692033063	67.6257959520603	58.1930253912633	55.1983025912633
396	356	263096	-110241.1413	1026997.3170250766	39.64013440397576	-101.1909374	121241.6339335585	4396091.322	3063.587311632468	407.4312026128154	2976.471566770855	2974.603183760643	67.6153449136063	56.8701088212114
397	356	263097	-109691.1413	1026997.3170250766	39.6401769776021	-101.1885836	123242.6372893454	4396087.16011025	3063.768074868787	408.7673916145505	2976.26867783158	64.8523081046862	54.496383	50.835551584856
398	356	263098	-108921.1413	1026997.3170250766	39.6402847659334	-101.1862498	125243.5404432005	4396083.98011025	3063.967122569837	408.7673916145505	2976.26867783158	64.8523081046862	50.835551584856	50.835551584856
399	356	263099	-108261.1413	1026997.3170250766	39.64033592692048	-101.183906	127244.6434	4396079.10144533	3117.22781388696	406.20543175877484	2966.9573281866092	2979.173777277407	59.44713555190912	46.234982097767
400	356	263100	-107601.1413	1026997.3170250766	39.640433186703	-101.1815622	129245.6462211293	4396074.854815486	3118.605002215602	402.743856066386	2969.0680710303473	2977.752796717807	55.70631457629134	47.021888895792
401	356	263101	-106941.1413	1026997.3170250766	39.6405089153306	-101.1792184	131146.6488364084	4396070.878	3118.98219054238	402.737639	2971.733235444457	2978.782354876337	51.430670041446	44.34805357319647
402	356	263102	-106281.1413	1026997.3170250766	39.6405800591852	-101.1768746	133347.651262943	4396066.0795006	3121.359378728745	402.611639966273	2974.2680259379244	2979.8034352130258	47.34361404702875	41.80624703671504
403	356	263103	-105621.1413	1026997.3170250766	39.64065275032426	-101.1745308	13548.63502010797	4396062.78032357	3123.636693991078	402.081304908453	2978.969951187188	2979.282231148676	47.2415337126507	40.0989375977718
404	356	263104	-104961.1413	1026997.3170250766	39.64072489847724	-101.172187	137470.655894074	4396058.63824261	3120.81403371569	401.5879969292546	2975.4569233067593	2978.49745787802	47.1323716858922	40.0912309517257
405	356	263105	-104301.1413	1026997.3170250766	39.640767739143	-101.1698432	13956.557476308	4396054.59888193	3119.991407501363	401.7134557898634	2972.551501047649	2974.38605544493	45.57305894198215	42.7480524569802
406	356	263106	-103641.1413	1026997.3170250766	39.640810654504	-101.1674994	141511.65918213397	4396052.95624264	3119.168781287034	401.5722993516225	2967.666070061193	2969.3111297327838	45.47366885450316	45.91864176478145
407	356	263107	-102981.1413	1026997.3170250766	39.640938863964	-101.1651556	143522.6607669406	4396046.46062826	3120.882624539607	401.354489735023	2961.94166550324	2963.166406167675	45.21822423123903	51.18808356734644
408	356	263108	-102321.1413	1026997.3170250766	39.641009413877	-101.1628118	14553.6620503035	4396042.392	3125.1239372419677	401.330595521667	2965.194843645214	2967.290885828572	56.83575187727196	55.7397069
409	356	263109	-101681.1413	1026997.3170250766	39.641079387593	-101.16048	14754.6632128725	4396038.32331739	3129.383249995033	401.7529421471133	2961.2518274616293	2967.248972193996	50.730794058202	59.5044493313154
410	356	263110	-101011.1413	1026997.3170250766	39.64114850040416	-101.1581243	14955.6641949093	4396034.25013373	3133.635626958994	401.55029899105	2961.524689	2968.690570493596	62.9003214713469	61.8344349
411	356	263111	-100341.1413	1026997.3170250766	39.6412180797981	-101.155816	15156.6549611416	4396030.18691416	3138.921698619138	401.5491168100176	2965.121158146987	2968.790533488176	65.0451165820419	64.661383825491
412	356	263112	-99681.1413	1026997.3170250766	39.641285933329	-101.153467	15357.665617839	4396025.119102704	3137.727888614765	400.825308295417	2945.345624111919	2964.604833339063	62.87981397172291	61.5385454962686
413	356	263113	-99021.1413	1026997.3170250766	39.6413547563767	-101.1510929	15558.6660592585	4396022.051496038	3146.6232189	400.7152537154422	2946.2516013485824	2969.075988832499	60.9008357686335	59.5816339126274
414	356	263114	-98361.1413	1026997.3170250766	39.64142246655325	-101.1487491	15759.666320105	4396017.984	3150.968496606026	400.712336877367	2947.811372525904	2969.28075925409	63.198576478617	56.8475276196756
415	356	263115	-97701.1413	1026997.3170250766	39.6414897239224	-101.1464052	15960.6664027589	4396013.917	3158.08210948258	400.563983584624	2960.019269	2965.931790123034	55.14112681	53.2296902722593
416	356	263116	-97041.1413	1026997.3170250766	39.641556285171	-101.1440614	16161.6646022215	4396009.05068757	3168.76865248183	400.239637991985	2962.514396	2964.5415447244159	51.752324160353487	49.8241904786549
417	356	263117	-96381.1413	1026997.3170250766	39.64162892214	-101.1417138	16368.6661285779	4396005.78339187	3180.862358031168	400.186295543875	2965.26993496989	2967.104323689937	50.730794058202	46.261336882491
418	356	263118	-95721.1413	1026997.3170250766	39.641698777924	-101.1393738	16563.6661929479	4396001.71670005	3191.978914871	400.2545919216445	2965.095282193066	2969.30514039597707	44.1389973283836	42.56742587376
419	356	263119	-95061.1413	1026997.3170250766	39.64175422535515	-101.13703	16764.66563853584	4395997.560734804	3197.7891540470136	400.717628058093	2961.736988068007	2962.73573851611	43.9043398478665	39.0358923764811
420	356	263120	-94401.1413	1026997.3170250766	39.6418192186855	-101.1346862	16965.6661	4395993.5847594	3198.11268950545	400.544159592545	2964.071827141536	2965.365540704503	47.0268367844092	35.6877988214177
421	356	263121	-93741.1413	1026997.3170250766	39.6418837592072	-101.132424	17166.66323419614	4395989.51900752	3198.83327473963	400.3634165875133	2965.929386	2967.1903344115995	44.30403096431166	33.1730821591808
422	356	263122	-93081.1413	1026997.3170250766	39.641947869211	-101.129998	17367.662064063	4395985.43492485	3199.35456993727	400.269737409665	2966.347158658677	2967.647233618134	43.37981508	32.0794071915316
423	356	263123	-92421.1413	1026997.3170250766	39.6420118812636	-101.127658	17568.6607178283	4395981.38209771	3198.140801551268	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
424	356	263124	-91761.1413	1026997.3170250766	39.642076392214	-101.12531	17769.6591919636	4395977.12315409	3198.162926543875	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
425	356	263125	-91101.1413	1026997.3170250766	39.642138722115	-101.1229672	17970.6758429485	4395973.28341388	3197.2377888614765	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
426	356	263126	-90441.1413	1026997.3170250766	39.642199669607	-101.1206234	18171.65560911567	4395969.194	3198.28626560527	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
427	356	263127	-89781.1413	1026997.3170250766	39.6422614933612	-101.1182796	18372.65335851805	4395965.12402338	3198.0835945071925	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
428	356	263128	-89121.1413	1026997.3170250766	39.642322864227	-101.1159358	18573.65137171995	4395961.0652182	3182.62941692707	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
429	356	263129	-88461.1413	1026997.3170250766	39.642387822749	-101.113592	18774.64806836	4395957.0139252	3197.175383872213	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
430	356	263130	-87801.1413	1026997.3170250766	39.6424447519761	-101.1112482	18975.6451944515	4395952.37736114	3197.217260747233	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
431	356	263131	-87141.1413	1026997.3170250766	39.642506259761	-101.109046	19176.6591919636	4395948.67411971	3198.162926543875	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
432	356	263132	-86481.1413	1026997.3170250766	39.64256381957185	-101.106586	19377.64061594375	4395943.81112019	3197.479189792525	400.234789562596	2964.763192597509	2966.267444831267	43.3684070719924	32.8677443589717
433	356	263133	-85821.1413	1026997.3170250766	39.6426222629307	-101.1042168	19578.6350024687	4395940.74865191						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	BRrElevKgr.f	BRrElevKgr.f	SatTKgns.f	SatTKBoth.f
515	536	263215	-31701.14133	1026697.317025766	36.9456287649567	-100.120234	336659.8032792003	4395608.375102801	2943.996508	2866.411536036982	2823.6889393823475	42.72299712	43.45335334393692
516	536	263216	-31041.14133	1026697.317025766	36.945659503	-100.5096796	336260.7682628313	4395604.311392711	2946.665095313837	2864.561796228315	2822.468917232701	42.084424995614326	42.95518203388105
517	536	263217	-30981.14133	1026697.317025766	36.945691713874565	-100.8937268	336165.7691274582	4395596.3807411898	2948.335302697884	2862.574155891407	2821.4437911804347	42.084424995614326	42.5415946119051126
518	536	263218	-29721.14133	1026697.317025766	36.9456919764159	-100.9049199	336662.7518139122	4395596.244667225	2952.004700521315	2860.7798268132004	2815.755329147034	42.084424995614326	42.5415946119051126
519	536	263219	-29601.14133	1026697.317025766	36.9460621124126955	-100.9026481	336683.73434219066	4395592.26105841	2951.3367160590424	2868.862841419269	2818.139363456676	42.084424995614326	42.5415946119051126
520	536	263220	-28601.14133	1026697.317025766	36.9460318533075	-100.9003403	337064.7167125122	4395588.158867024	2947.331349279176	2856.9227950381322	2816.993578	42.084424995614326	42.5415946119051126
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546	536	263246	-11241.14133	1026697.317025766	36.9463854276732	-100.839346	342290.2036911428	4395483.172726095	2811.77279630663	2808.099966689994	2777.299232404375	42.084424995614326	42.5415946119051126
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560	536	263260	-2001.14133	1026697.317025766	36.946449	-100.806551	345103.8844571258	4395427.3723449	2806.30976128448	2784.567213438672	2783.120261423365	42.084424995614326	42.5415946119051126
561	536	263261	-1341.14133	1026697.317025766	36.9464501716815	-100.8042071	345304.806825651	4395422.63975219	2803.41687925129	2782.4007157312403	2782.301928	42.084424995614326	42.5415946119051126
562													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevLogs.ft	BRIElevBothKrg.	SatThkLogs.ft	SatThkBoth.ft
631	356	26341	15458.8586770335	1026697.310250766	39.644507476932984	-106.16167007	361382.4802072507	439510.688396991	2823.02635	2653.317117420254	2664.4942792656175	2664.641637192325	0
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643	356	26343	52738.8586770335	1026697.310250766	39.6449033748002	-106.16201191	361784.404	439502.658997141	2825.37048458324	2651.2028933993627	2662.8898931647917	2662.8898931647917	0
644	356	26344	52438.8586770335	1026697.310250766	39.6449668161795	-106.16165699	361985.373413597	439508.645254465	2824.383801914712	2650.191124522383	2661.692635112326	2661.693510369383	0
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668	356	26368	69278.8586770335	1026697.310250766	39.64395647933298	-105.5343175	366808.4796	439499.234990995	2781.691107651517	2635.822114371632	2629.571660917551	2629.338932553173	6.250436544
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671	356	26371	71728.8586770335	1026697.310250766	39.64381184830625	-105.463861	367411.3626666364	439498.35034423	2769.015448302462	2633.51589447277	2627.223834275044	2627.10028340644	7.90077617223236
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674	356	26374	73238.8586770335	1026697.310250766	39.64363314194525	-105.393546	368014.2446510345	439498.328147626	2762.92912652775	2634.56019087493	2625.2076483542064	2625.2076483542064	0
675	356	26375	73898.8586770335	1026697.310250766	39.6436126675429	-105.3570708	368215.020586771	439498.321146375	2762.3425383112084	2634.3817298132037	2625.18656883022	2625.18656883022	0
676	356	26376	74538.8586770335	1026697.310250766	39.64359617405287	-105.3469714	368416.1652768527	439498.321146375	2762.3425383112084	2634.3817298132037	2625.18656883022	2625.18656883022	0
677	356	26377	75218.8586770335	1026697.310250766	39.6435104	-105.323222	368617.1254012094	439498.30784339	2773.94141210884	2634.034207088492	2624.7055415563544	2624.7055415563544	0
678	356	26378	75878.8586770335	1026697.310250766	39.643458274661	-105.299794	368818.085400148	439498.30152341	2778.439269758196	2633.85816292875	2624.490536185203	2624.490536185203	0
679	356	26379	76538.8586770335	1026697.310250766	39.64340624817156	-105.276356	369019.052738547	439498.2542782	2782.05641006714	2633.6780940576887	2624.165269564962	2624.165269564962	0
680	356	26380	77198.8586770335	1026697.310250766	39.6433353033581	-105.2525917	369220.050255576	439494.29	2783.6885566947667	2633.49331475434	2609.824146	2609.824146	0
681	356	26381	77898.8586770335	1026697.310250766	39.6433003120873	-105.2229479	369420.9646448	439494.283971901	2785.32070322414	2633.301060506097	2607.5387997991805	2607.5387997991805	0
682	356	26382	78518.8586770335	1026697.310250766	39.6432486040054	-105.200041	369621.324145743	439498.275841579	2786.954599007525	2633.084359740597	2605.30266519	2605.30266519	0
683	356	26383	79178.8586770335	1026697.310250766	39.6432108714812	-105.175163	369823.052738547	439498.275841579	2786.954599007525	2633.084359740597	2605.30266519	2605.30266519	0
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685	356	26385	80498.8586770335	1026697.310250766	39.64308301889635	-105.135727	370224.801890763	439498.26391741	2772.33684414668	2632.39192576833	2598.3660209613528	2598.3660209613528	0
686	356	26386	81158.8586770335	1026697.310250766	39.643027653706	-105.112289	370425.7609010307	439498.25931155	2766.1636847467	2632.108456733741	2596.24694574589	2596.24694574589	0
687	356	26387	81818.8586770335	1026697.310250766	39.643027653706	-105.088851	370626.7197804092	439498.256081221	2762.124083013133	2631.79376918057	2594.25930913971	2594.25930913971	0
688	356	26388	82478.8586770335	1026697.310250766	39.6429152944896	-105.065812	370827.6786	439498.251071338	2761.207482	2631.451204144507	2592.1902809311828	2592.1902809311828	0
689	356	26389	83138.8586770335	1026697.310250766	39.6428584877338	-105.041974	371028.337162767	439498.2478791	2760.331167104868	2631.061061142785	2590.14378	2590.14378	0
690	356	26390	83798.8586770335	1026697.310250766	39.6428012141675	-105.018536	371229.595617638	439498.2471688	2758.47630062413	2630.63040462273	2589.24077171617	2589.24077171617	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThkBoth.kg.ft	SatThkBoth.ft	
27	357	26347	-357871.1413	-102.7357	3170250766	36.989952876678966	-102.0557705	237961.3275676313	4397810.839966365	3626.817677315104	3516.15451948167733	3469.941533	3470.038793153145	46.2036618206338	46.10640168163172
28	357	26348	-357121.1413	-102.7357	3170250766	36.98997712486872	-102.0534271	238162.412128476	4397806.8620325885	3627.09144331795	3513.8714442748483	3468.417541006537	3468.502663195736	45.393032649545	45.3680057524771
29	357	26349	-356461.1413	-102.7357	3170250766	36.99003132778814	-102.0519638	238354.9692629627	4397802.524337294	3627.9621951736	3511.5486546277588	3468.006399811667	3468.973738	45.374485446460207	45.374485446460207
30	357	26350	-351801.1413	-102.7357	3170250766	36.9900548543718	-102.0487401	238564.58102577366	4397796.366774474	3627.856904	3509.1597107294923	3466.041136845175	3466.00056354516	43.0955675947486	43.1593427
31	357	26347	-351141.1413	-102.7357	3170250766	36.99004949872776	-102.0463606	238765.66509386123	4397794.20965115	3623.26125104673	3506.688534359003	3464.3573972730203	3464.263888727307	42.3313171288004	42.42464537196609
32	357	26342	-350481.1413	-102.7357	3170250766	36.990073694358	-102.0440532	238966.7369435803	4397794.05262465	3614.1632013190673	3504.125600352491	3462.5865639407386	3462.7589026231824	41.53903101752526	41.36574012303056
33	357	26343	-349821.1413	-102.7357	3170250766	36.99009786673484	-102.0417097	239167.83225474955	4397785.89593028	3605.074785038628	3501.4740437055675	3460.6817006414476	3461.01300222964	40.79234036119905	40.46274348
34	357	26344	-349161.1413	-102.7357	3170250766	36.990121633430506	-102.0393662	239368.59144738295	4397781.39197398	3598.398636883066	3498.74810163148	3459.065894261325	3459.319877338124	39.8220736863105	39.42282429817355
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36	357	26346	-347841.1413	-102.7357	3170250766	36.99016940956282	-102.0346792	239771.0105940872	4397773.4271063167	3578.07151200559	3493.1742645065259	3457.285150685259	3457.341899	35.862473084295	35.8057255440823
37	357	26347	-347181.1413	-102.7357	3170250766	36.9901833241177116	-102.0323357	239972.16347894561	4397769.271252173	3565.82446645646	3490.300770839763	3457.3719426423363	3457.4356874061344	33.0565296604055	32.867420892841
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39	357	26349	-345861.1413	-102.7357	3170250766	36.990240867115534	-102.0276488	240374.3275460932	4397760.33673355	3544.025619748887	3484.6089796797205	3461.0413810857326	3461.2984985938789	29.269429765568214	29.269429765568214
40	357	26340	-345201.1413	-102.7357	3170250766	36.99026457	-102.0253053	240575.40911941246	4397756.05232276	3562.671890794665	3471.7793836989313	3464.7376180236106	3464.674121285804	17.03636575320667	17.0945708408471
41	357	26341	-344541.1413	-102.7357	3170250766	36.99028921729597	-102.0229818	240776.4906583967	4397752.650336134	3570.1169970179867	3478.958004417517	3468.3752972053995	3468.472323652144	11.074407468125957	11.074407468125957
42	357	26342	-343881.1413	-102.7357	3170250766	36.99031194613078	-102.0206183	240977.5717201173	4397748.4057295835	3578.962256410254	3476.17084444108	3470.436706909193	3468.6140455005743	5.733975739130005	5.756638943331852
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44	357	26344	-342561.1413	-102.7357	3170250766	36.99035830911948	-102.0159313	241379.732073833	4397741.871691335	3570.857965301034	3470.713726713434	3467.6654581127505	3467.6654581127505	7.87451235442782	7.87451235442782
45	357	26345	-341901.1413	-102.7357	3170250766	36.99038247177023	-102.0135878	241580.8135870505	4397736.03242288	3574.3958861985	3468.054981104524	3463.87137328689	3457.40525982862	1.835887716374355	1.835887716374355
46	357	26346	-341241.1413	-102.7357	3170250766	36.9904058102386	-102.0112443	241781.8936976322	4397731.879550272	3571.42148223807	3465.448926135947	3459.330608226997	3459.330608226997	15.33459547017307	15.33459547017307
47	357	26347	-340581.1413	-102.7357	3170250766	36.990429390693	-102.0089088	241982.9735527075	4397727.726094572	3567.3710094586	3462.880873384293	3464.738327897075	3464.686413349905	7.992854505	7.992854505
48	357	26348	-339921.1413	-102.7357	3170250766	36.99045258	-102.0065373	242184.0515247615	4397723.757387387	3563.67024397929	3460.59275080422	3465.603544972543	3466.322689191095	5.756725633168822	5.756725633168822
49	357	26349	-339261.1413	-102.7357	3170250766	36.990474271143683	-102.0042197	242397.14782174823	4397719.1988843012	3561.60742434689	3462.862374345778	3463.088949949454	3463.25786342142	20.80761141912278	20.80761141912278
50	357	26340	-338601.1413	-102.7357	3170250766	36.990494911578306	-102.0018703	242586.211586879	4397715.26713829	3555.547303468843	3455.40474100548	3464.316129	3438.379716082073	12.26918334738215	10.751057804701
51	357	26341	-337941.1413	-102.7357	3170250766	36.9905233853868	-101.9995268	242787.2904219442	4397711.114624420	3550.816255880087	3453.0276616297924	3440.013256041724	3440.013256041724	18.84715808782452	18.84715808782452
52	357	26342	-337281.1413	-102.7357	3170250766	36.99054550022767	-101.9971832	242988.3690025468	4397706.962345476	3543.511672863005	3446.83531951013	3437.1972791738185	3437.1972791738185	13.94252777194295	13.94252777194295
53	357	26343	-336621.1413	-102.7357	3170250766	36.99056816645216	-101.9948397	243189.4473288263	4397702.103019195	3536.841720145918	3448.431354058503	3434.652065479123	3428.0905776090484	7.37922976738007	7.37922976738007
54	357	26344	-335961.1413	-102.7357	3170250766	36.99059167719129	-101.9924862	243390.52540105634	4397698.6584937675	3531.17167428357	3446.320433535863	3442.3758235553696	3425.4496775924293	13.944608798196696	13.944608798196696
55	357	26345	-335301.1413	-102.7357	3170250766	36.99061471368683	-101.9901572	243598.1367982487	4397694.5682910112	3521.60695813867	3444.2862378424384	3443.088949949454	3443.25786342142	24.89762574142	24.89762574142
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59	357	26349	-332661.1413	-102.7357	3170250766	36.99070636	-101.9807786	244395.9119584358	4397677.902883163	3482.531224662031	3437.71536795163	3422.02520793806	3418.07515553831	15.69015984675284	15.69015984675284
60	357	26350	-332001.1413	-102.7357	3170250766	36.9907291369414	-101.9784351	244596.088104943	4397673.752587033	3481.247614182923	3436.110645343523	3420.4761318583264	3415.634746842421	16.563497620586	16.563497620586
61	357	26350	-331341.1413	-102.7357	3170250766	36.99075191820862	-101.9760146	244798.0640989248	4397670.42247409	3477.16265895948	3434.43563795893	3418.869964521014	3416.8347958789026	15.62366731887898	17.65880473886617
62	357	26350	-330681.1413	-102.7357	3170250766	36.990774627114783	-101.9737481	244999.1408570858	4397665.452502231	3467.8117576307	3432.857230370477	3417.115062350014	3415.425697405657	13.78326908917072	13.78326908917072
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64	357	26350	-329361.1413	-102.7357	3170250766	36.9908199031087	-101.969061	245401.2912944825	4397657.15335786	3455.871154500761	3429.514708108794	3414.61640897481	3414.61640897481	14.89292911318317	15.02896372199551
65	357	26350	-328701.1413	-102.7357	3170250766	36.9908424862775	-101.9667175	245602.3468889508	4397653.004138704	3448.56521748333	3429.505149083821	3413.3805797639197	3412.51824795036	14.24569319901366	14.24569319901366
66	357	26350	-328041.1413	-102.7357	3170250766	36.990865010532624	-101.964374	245803.44255367	4397648.85154842	3443.2513584805	3426.07305034719	3412.14761078142	3412.14761078142	13.92529581026744	13.92529581026744
67	357	26350	-327381.1413	-102.7357	3170250766	36.99088749296542	-101.9620304	246004.57131345218	4397644.70460827	3438.24058148656	3424.308151194503	3411.221409113254	3411.221409113254	13.944608798196696	13.944608798196696
68	357	26350	-326721.1413	-102.7357	3170250766	36.990909300315615	-101.9599689	246205.59185053733	4397640.57890339	3434.738413177135	3422.55291400714	3408.1321131726922	3408.1321131726922	13.420801134025169	13.420801134025169
69	357	26350	-326061.1413	-102.7357	3170250766	36.99093167297481	-101.9578092	246409.1408570858	4397636.452502231	3427.8117576307	3432.857230370477	3417.115062350014	3415.425697405657	13.78326908917072	13.78326908917072
70	357														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
153	357	263593	-270621.1413	10273757.310250766	36.926516306757	-101.7604816	263296.0315022495	4397288.79326604	3527.488705219435	37.16312396599865	3276.684501	3276.614361344995	97.67673877	97.94448931499095
154	357	263594	-269961.1413	10273757.310250766	36.926267017415481	-101.758138	263497.0852096667	4397284.660221718	3534.503694303765	3373.420765218545	3276.695770012848	3276.9641699032427	96.723065090067	96.55809361861178
155	357	263595	-269691.1413	10273757.310250766	36.92636987266651	-101.755743	263698.1386825804	4397280.337152418	3537.412071485193	3272.4568738022306	3276.8108475847616	3276.9108475847616	96.3053039686711	95.54512804355498
156	357	263596	-268641.1413	10273757.310250766	36.92677012502611	-101.7534507	263899.1919256347	4397276.469317314	3536.2138367585181	3371.466636385181	3274.80433603444	3274.8241906377666	96.021199153676	96.6424575
157	357	263597	-267981.1413	10273757.310250766	36.927255386311	-101.751107	264100.244934027	4397272.278176662	3535.01560232058	3370.4568620774383	3274.228023111933	3271.5706429676816	96.2276607550533	98.88503910795669
158	357	263598	-267321.1413	10273757.310250766	36.9274358654796	-101.7487634	264301.297701656	4397268.154351054	3533.81763702242	3369.427237213128	3272.903937567676	3263.876799437816	95.5520965445152	95.55043771933204
159	357	263599	-266661.1413	10273757.310250766	36.92762201	-101.7464197	264502.3503	4397264.027198785	3532.6424121837376	3368.3888483558	3271.424665528638	3261.6117325036573	96.9414025987027	106.7721597988293
160	357	263600	-266001.1413	10273757.310250766	36.92780421	-101.744076	264703.402655051	4397259.903212815	3531.4973666212815	3367.327662410793	3269.8983352532	3262.12637676533	97.4132640581746	105.2012864302604
161	357	263601	-265341.1413	10273757.310250766	36.9280697295725	-101.7417234	264904.457444442	4397255.763959355	3530.7839961140519	3365.26036049444	3268.53240255327	3267.4242670175984	97.2588645381557	106.2163767713596
162	357	263602	-264681.1413	10273757.310250766	36.92826819	-101.739897	265105.506592001	4397251.447223042	3529.1873859189053	3363.183151620675	3267.073197523011	3262.5067473038703	98.10956409766747	102.6754043179312
163	357	263603	-264021.1413	10273757.310250766	36.928303084512	-101.7370051	265306.550580810504	4397247.521003934	3527.1003329501033	3364.0972906535134	3265.588953546726	3263.235243814762	98.1035056164079	100.8637662712713
164	357	263604	-263361.1413	10273757.310250766	36.92835312187527	-101.7347014	265507.6099278385	4397243.395901225	3524.077910525935	3363.035986962525	3264.119608731611	3263.482117161913	98.8838125401409	99.5214728291206
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166	357	263606	-262041.1413	10273757.310250766	36.928898168107854	-101.7300141	265909.7116684733	4397235.144	3518.033095847733	3360.807928148027	3261.064558	3264.306872442294	99.24323511200323	96.9911414505737
167	357	263607	-261381.1413	10273757.310250766	36.9290712331017	-101.7276704	266110.7623606971	4397231.018614408	3516.091254700783	3359.71381205383	3259.5218011669924	3263.176272811964	100.1922111969947	94.5421805294679
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180	357	263620	-252801.1413	10273757.310250766	36.93131642	-101.6972027	268724.400544329	4397177.412	3501.950649164274	3345.714217950646	3243.77226626378	3243.77226626378	100.9744438743179	100.2089724377766
181	357	263621	-252141.1413	10273757.310250766	36.93148672914671	-101.6948628	268925.44733017	4397163.7329	3500.79457745958	3344.62713268102	3241.937629833	3243.031826478989	100.9744438743179	100.2089724377766
182	357	263622	-251481.1413	10273757.310250766	36.93166289681	-101.6925154	269126.495188888	4397159.16742906	3499.458193071414	3343.532196723513	3240.19762365163	3242.19762365163	100.9744438743179	100.2089724377766
183	357	263623	-250821.1413	10273757.310250766	36.9318824896752	-101.6901717	269327.4522168408	4397165.06440776	3497.660237337038	3342.41734677319	3238.680751089136	3243.361677166277	100.7252065840522	100.8506206809141
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ix	iy	X	Y	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BR ElevLogKrg.f	BR ElevBothKrg.f	SatThvLog.f	SatThvBoth.f
28	357	263719	-187461.1413	1027357.3170250766	369468439186576	-11.4651738	288627.0296051324	439670.4728879215	3393.8042565934784	3129.3981877921337	3108.1714569338787	3119.65899530916576	11.22763103825491	99.73923448047603
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289	357	263721	-186141.1413	1027357.3170250766	3694684522421582	-11.4604661	289029.08118841774	439670.6273526849	3388.4447176189962	3126.16311783752	3103.198454	3118.123804	11.18123804	98.038313701918
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284	357	263724	-184161.1413	1027357.3170250766	369469053314359	-11.4534548	289632.1571648672	439670.4981024508	3375.1350858607	3211.362898198215	3096.954320568034	3116.5529533416075	11.81420675153458	98.79267348241404
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286	357	263726	-182841.1413	1027357.3170250766	369470751207116	-11.4487672	290034.2067836629	439670.4786020074	3328.0913965678715	3209.0913965678715	3092.7705979451493	3105.5105771704717	11.81420675153458	97.06268871556476
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287	357	263728	-181521.1413	1027357.3170250766	369474551114503	-11.4440796	290436.2556787259	439670.3319022115	3346.73008250545	3204.867812426777	3089.605414498304	3099.3510345135755	11.2526770720847	105.517677292016
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302	357	263742	-172281.1413	1027357.3170250766	369491542888645	-11.411266	293250.5743039471	439667.259479156	3314.588953670405	3171.73894287221	3083.248015900151	3132.0453724746617	95.825678310595	49.73023181255396
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315	357	263755	-163701.1413	1027357.3170250766	36950803502645	-11.380873	295863.83469649	439662.033187429	3327.630585395748	3158.70179276585	3080.7895889356487	3083.248015900151	95.825678310595	91.1854893605916
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319	357	263759	-161061.1413	1027357.3170250766	3695119826314734	-11.371422	296667.907661462	439660.7303074474	3315.6303074474	3153.6303074474	3085.329169424627	3093.641701670281	97.8332193356314	93.2206870392488
320	357	263760	-160401.1413	1027357.3170250766	369512085339616	-11.3690782	296868.925862467	439660.61380117	3314.4814871607434	3149.4195712413924	3084.07740102119	91.1854893605916	91.1854893605916	91.1854893605916
321	357	263761	-159741.1413	1027357.3170250766	36951316822864	-11.366791	297069.9430121137	439660.524584942	3313.828516318743	3148.053015668748	3080.7895889356487	3083.248015900151	95.825678310595	91.1854893605916
322	357	263762	-159081.1413	1027357.3170250766	369514273338134	-11.3643006	297270.902723854	439660.435370943	3313.28321526784	3147.82148139276	3080.54589626205	3087.189959587405	91.1854893605916	91.1854893605916
323	357	263763	-158421.1413	1027357.3170250766	36									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.f	BR ElevBothKrg.f	SatHtLog.f	SatHtBoth.f
406	357	263845	-104301.1413	1027357.3170250766	36.6958927030601	-101.169825	313954.7349779095	3496255.8621192835	311.812629303764	3015.2290957199034	2966.1125053300848	2967.9924905460134	41.165903281882	47.23660517389894
406	357	263846	-103641.1413	1027357.3170250766	36.695896963375494	-101.167308	314155.7373965844	3496251.92760015	311.044830843086	3013.7850463956336	2961.3668050871565	2962.918705	52.41824130487308	50.86630407917567
407	357	263847	-102981.1413	1027357.3170250766	36.695906969191916	-101.165164	314356.7249695973	3496247.73382428	311.717223	3015.2290957199034	2963.7850382302183	2964.933915221883	56.6783093201883	55.47289896381983
408	357	263848	-102321.1413	1027357.3170250766	36.6959139640303	-101.162609	314557.738159424	3496243.56557521	311.839436730682	3014.7518237369016	2964.10712238407377	2965.3216071269885	61.2820617269885	60.3216071269885
409	357	263849	-101661.1413	1027357.3170250766	36.69592096240504	-101.1604771	314758.739327167	3496239.58682278	311.677400443825	3009.7306717322664	2964.4547947994252	2965.251214379495	67.2766973801434	64.7490332577144
410	357	263850	-101001.1413	1027357.3170250766	36.695929147725225	-101.1581332	314959.7379768627	3496235.157379996	311.624260243976	3008.4798485262186	2964.78078268	2965.670806643245	66.840813	64.840813
411	357	263851	-100341.1413	1027357.3170250766	36.695934281763544	-101.1557894	315160.7403245886	3496231.489129764	312.54737496715897	3007.283258238633	2963.958243318604	2964.0343555814839	67.7018492102893	66.8490813
412	357	263852	-99681.1413	1027357.3170250766	36.69594168352002	-101.1534455	315361.7400700976	3496227.381114279	313.018559161648	3006.1419296043027	2964.2322746056425	2964.1228423533474	69.9095496966024	64.9130500545545
413	357	263853	-99021.1413	1027357.3170250766	36.695946999495	-101.1511016	315562.7408958975	3496223.33327826	314.453636662284	3005.354710032407	2964.281394	2964.255797381955	69.79891505008892	64.9130500545545
414	357	263854	-98361.1413	1027357.3170250766	36.69595527118725	-101.1487578	315763.740111227	3496219.245775764	315.908715757654	3004.021049077657	2964.415394136024	2964.481342	70.0556571773329	67.53707004090568
415	357	263855	-97701.1413	1027357.3170250766	36.6959619709803	-101.1464139	315964.7401	3496215.718	316.52010589942097	3003.040708106893	2964.5309902303645	2964.0383870719856	55.9097178132479	52.8583740490731
416	357	263856	-97041.1413	1027357.3170250766	36.6959687773021	-101.1440701	316165.7405	3496211.11367573	317.342018172178	3002.113610590893	2964.578023641954	2964.578023641954	61.5182026489145	60.43304783356381
417	357	263857	-96381.1413	1027357.3170250766	36.695975370770085	-101.1417262	316366.74	3496207.44533755	318.1482977350146	3001.2376448161053	2964.79702320916	2965.932404894986	64.460871487089185	64.3671076616574
418	357	263858	-95721.1413	1027357.3170250766	36.6959819031426	-101.1393823	316567.7392800807	3496202.97897178	318.68236948178575	3001.401320470545	2965.8792212375984	2966.574447162049	64.53383482946496	64.39375715949592
419	357	263859	-95061.1413	1027357.3170250766	36.69598749725054	-101.1370385	316768.7339856528	3496198.911507259	319.04089627035428	2999.638791039367	2962.88815252918	2964.389153816313	66.7500384918994	64.29493740250746
420	357	263860	-94401.1413	1027357.3170250766	36.69599494742055	-101.1346946	316969.7341505716	3496184.845346319	319.8418115876434	2998.913462180259	2966.8712889533	2966.25740451827	67.2766973801434	66.7500384918994
421	357	263861	-93741.1413	1027357.3170250766	36.69600140164506	-101.1323507	317170.736103908	3496180.79422445	319.672494049247	2998.259397488001	2970.2336430126543	2971.5245616185373	68.0023456435456	66.7500384918994
422	357	263862	-93081.1413	1027357.3170250766	36.69600781	-101.1300069	317371.7346885909	3496176.79442235	319.6400382222157	2997.60539377657	2971.50390904357	2972.789831	68.26144897221356	66.7500384918994
423	357	263863	-92421.1413	1027357.3170250766	36.6960147423713	-101.127663	317572.733095323	3496182.684227365	319.6583045052803	2997.002700790484	2969.3005148711304	2970.690608472487	68.2710591935373	66.7500384918994
424	357	263864	-91761.1413	1027357.3170250766	36.696020426101	-101.1253192	317773.731324318	3496178.7583	319.7412715891086	2996.48072858026	2964.5733671651296	2971.3907301468016	68.3199917166767	66.7500384918994
425	357	263865	-91011.1413	1027357.3170250766	36.6960267657017	-101.1229753	317974.729357944	3496170.45052478	319.3227027793697	2996.30482125502	2969.016448455	2971.318529	68.3567370007135	64.6657518401821
426	357	263866	-90441.1413	1027357.3170250766	36.696029550999	-101.1206314	318175.7274259283	3496170.45052478	319.3227027793697	2996.30482125502	2969.016448455	2971.318529	68.3567370007135	64.6657518401821
427	357	263867	-89871.1413	1027357.3170250766	36.69603281763544	-101.1181724	318369.7401	3496165.718	319.652010589942097	3003.040708106893	2964.5309902303645	2964.0383870719856	69.9095496966024	64.9130500545545
428	357	263868	-89211.1413	1027357.3170250766	36.69604531328164	-101.1159437	318577.7246270293	3496162.340659248	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
429	357	263869	-88461.1413	1027357.3170250766	36.69605140524433	-101.1135998	318778.7198104104	3496158.246209427	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
430	357	263870	-87801.1413	1027357.3170250766	36.69605745192496	-101.111256	318979.7169773864	3496154.96192181	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
431	357	263871	-87141.1413	1027357.3170250766	36.6960634333245	-101.1089121	319180.7136786027	3496150.132973178	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
432	357	263872	-86481.1413	1027357.3170250766	36.69606940939815	-101.1065862	319381.7107823431	3496146.06907013	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
433	357	263873	-85821.1413	1027357.3170250766	36.69607532	-101.1042814	319582.7401	3496142.04963876	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
434	357	263874	-85161.1413	1027357.3170250766	36.69608115582619	-101.1018805	319783.703838521	3496137.45372082	319.8160861725959	2994.41325	2964.342921671616	2965.8926649147757	69.9095496966024	64.9130500545545
435	357	263875	-84501.1413	1027357.3170250766	36.69609070069164	-101.0995366	319984.700712924	3496133.881	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
436	357	263876	-83841.1413	1027357.3170250766	36.69609271083034	-101.0971298	320155.6962348316	3496129.81466958	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
437	357	263877	-83181.1413	1027357.3170250766	36.69609851078957	-101.0948489	320366.6922057054	3496125.75623056	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
438	357	263878	-82521.1413	1027357.3170250766	36.6961042	-101.092505	320587.687828217	3496121.69401579	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
439	357	263879	-81861.1413	1027357.3170250766	36.696119845345248	-101.0901612	320788.685740224	3496117.63255221	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
440	357	263880	-81201.1413	1027357.3170250766	36.696134281327	-101.0878174	320989.7389357945	3496113.71045873	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
441	357	263881	-80541.1413	1027357.3170250766	36.69612097679008	-101.0854734	321190.674424481	3496109.059771628	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
442	357	263882	-79881.1413	1027357.3170250766	36.69612648006486	-101.0831295	321391.6692873839	3496105.484772777	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
443	357	263883	-79221.1413	1027357.3170250766	36.69613193809699	-101.0807857	321592.66417844425	3496101.38720309	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
444	357	263884	-78561.1413	1027357.3170250766	36.69613735082709	-101.0784418	321793.658895848	3496097.327342321	315.3139075571403	2993.25228039775	2992.5788831762065	2992.744888138675	69.9095496966024	64.9130500545545
445	357	263885	-77901.1413	1027357.3170250766	36.6961472	-101.0760979	321994.63499116	3496093.26969499	308.8402339634743	2990.730364941528	2991.086953033348	2991.086953033348	69.9095496966024	64.9130500545545
446	357	263886	-77241.1413	1027357.3170250766	36.6961480440448	-101.0737541	322195.63740172557	3496089.20686411	308.8402339634743	2990.730364941528	2991.086953033348	2991.086953033348	69.9095496966024	64.9130500545545
447	357	263887	-76581.1413	1027357.3170250766	36.6961538409138	-101.0714098	322396.63740172557	3496085.20686411	308.8402339634743	2990.730364941528	2991.086953033348	2991.086953033348	69.9095496966024	64.9130500545545
448	357	263888	-75921.1413	1027357.3170250766	36.6961584549247	-101.069063	322597.63740172557	3496081.07354689	308.8402339634743	2990.730364941528	2991.086953033348	2991.086953033348	69.9095496966024	64.9130500545545
449	357	263889	-75261.1413	1027357.3170250766	36.69616373524342	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThKLog.ft	SatThKBoth.ft
531	357	263971	-121.141133	102.7357	3170250766	-100.874524	339279.5582993625	439574.945714327	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
532	357	263972	-20481.14133	102.7357	3170250766	-100.8721801	339480.538452362	4396740.30553307	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
533	357	263973	-19821.14133	102.7357	3170250766	-100.8698762	339881.5186336395	439726.365829129	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
534	357	263974	-19161.14133	102.7357	3170250766	-100.8674023	339882.4985713579	439732.65829129	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
535	357	263975	-18501.14133	102.7357	3170250766	-100.8651484	340083.47835201246	439724.784529496	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
536	357	263976	-17841.14133	102.7357	3170250766	-100.8628406	340284.547978034	439574.7242561	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
537	357	263977	-17181.14133	102.7357	3170250766	-100.8604607	340485.4324853955	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
538	357	263978	-16521.14133	102.7357	3170250766	-100.8581168	340686.417666248	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
539	357	263979	-15861.14133	102.7357	3170250766	-100.8557729	340887.3959306654	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
540	357	263980	-15201.14133	102.7357	3170250766	-100.853429	341088.5749357593	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
541	357	263981	-14541.14133	102.7357	3170250766	-100.8510851	341289.357952387	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
542	357	263982	-13881.14133	102.7357	3170250766	-100.8487412	341490.3249578196	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
543	357	263983	-13221.14133	102.7357	3170250766	-100.8463973	341691.3110467075	439570.60222361	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
544	357	263984	-12561.14133	102.7357	3170250766	-100.8440534	341892.289428169	439569.411685034	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
545	357	263985	-11901.14133	102.7357	3170250766	-100.841769	342093.2677860259	439568.40323403	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
546	357	263986	-11241.14133	102.7357	3170250766	-100.8393656	342294.24587672413	439568.40323403	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
547	357	263987	-10581.14133	102.7357	3170250766	-100.8370127	342495.22381502733	439568.40323403	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
548	357	263988	-9911.14137	102.7357	3170250766	-100.8346779	342696.2016011416	439567.3924	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
549	357	263989	-9261.14137	102.7357	3170250766	-100.832334	342897.17932520736	439567.258244984	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
550	357	263990	-8601.14137	102.7357	3170250766	-100.8299901	343098.15671762184	439567.258244984	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
551	357	263991	-7941.14137	102.7357	3170250766	-100.8276462	343299.1340440056	439566.18649013	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
552	357	263992	-7281.14137	102.7357	3170250766	-100.8253023	343500.112278148	439566.18649013	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
553	357	263993	-6621.14137	102.7357	3170250766	-100.8229582	343701.1759617168	439565.15650956	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
554	357	263994	-5961.14137	102.7357	3170250766	-100.8206145	343902.051333534	439565.081	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
555	357	263995	-5301.14137	102.7357	3170250766	-100.8182706	344103.0145899173	439565.05475651	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
556	357	263996	-4641.14137	102.7357	3170250766	-100.8159267	344304.0138439264	439564.01153135	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
557	357	263997	-3981.14137	102.7357	3170250766	-100.8135828	344504.99461607834	439564.01153135	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
558	357	263998	-3321.14137	102.7357	3170250766	-100.8112389	344705.9713714344	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
559	357	263999	-2661.14137	102.7357	3170250766	-100.808886	344906.94726627617	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
560	357	264000	-2001.14137	102.7357	3170250766	-100.806515	345107.9232389635	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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563	357	264003	-21.14132693	102.7357	3170250766	-100.7995195	345710.8502701833	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
564	357	264004	638.85867303514	102.7357	3170250766	-100.7971756	345911.8256420712	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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566	357	264006	1958.85867303514	102.7357	3170250766	-100.7924478	346319.75295	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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569	357	264009	3938.85867303514	102.7357	3170250766	-100.7854561	346916.730184523	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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571	357	264011	5258.8586730351	102.7357	3170250766	-100.7807683	347318.6195110276	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
572	357	264012	5918.8586730351	102.7357	3170250766	-100.7784245	347519.6234545574	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
573	357	264013	6578.8586730351	102.7357	3170250766	-100.7760787	347719.58794761	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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581	357	264021	11858.8586730351	102.7357	3170250766	-100.7573294	349328.385315248	439565.342638332	2871.582147	2383.335416799637	2783.892351349477	48.3984171437365	49.4430654051979
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ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatThKLog.f	SatThKBoth.f
657	357	264097	62016.85867307335	7027357.3170250766	36.966258225016706	-100.579194	364601.9137994284	4395237.70687897	2810.6156568138517	2638.8358373955302	2641.159988830857	2641.315904331536	0	0
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664	357	264104	66638.85867307335	7027357.3170250766	36.96622723697464	-100.5627689	366008.647095947	4395209.6347107073	2803.5717954547518	2636.0114324444843	2638.8505470885207	2638.8099919296174	0	0
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670	357	264110	70598.85867307335	7027357.3170250766	36.96619908198017	-100.5487236	367214.4137062035	4395185.58089381	2776.969231943657	2634.6170630431362	2627.4170403541676	2627.1545702613134	7.13669592052232	7.456136083
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675	357	264115	73898.85867307335	7027357.3170250766	36.96617249694767	-100.5370403	368219.2157293317	4395165.54302213	2766.8003243035	2633.8536052057557	2620.748090143595	2620.69109698055	1.317296062196934	1.316235357700467
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679	357	264119	76538.85867307335	7027357.3170250766	36.9661513084516	-100.527698	369023.9809317705	4395149.18822193	2760.59298174086	2633.294616229134	2615.2167624749584	2615.2167624749584	22.74382359848461	22.74382359848461
680	357	264120	77198.85867307335	7027357.3170250766	36.96614837965929	-100.5252849	369224.0140586116	4395145.10328988	2760.531727816362	2633.17052162362	2615.2167624749584	2615.2167624749584	24.09685592271183	24.09685592271183
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687	357	264127	81818.85867307335	7027357.3170250766	36.96611019407964	-100.5088778	370630.727559672	4395117.4453262	2761.928701801466	2632.039671801466	2612.507917117069	2612.507917117069	42.1316803024894	42.1316803024894
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690	357	264130	83798.85867307335	7027357.3170250766	36.96609314951262	-100.5018462	371233.60277278462	4395105.46373013	2759.161311251707	2630.634295842375	2612.507917117069	2612.507917117069	51.83250775317463	51.83250775317463
691	357	264131	84458.85867307335	7027357.3170250766	36.96608737472582	-100.4994923	371434.56607148556	4395101.46028205	2758.950109817583	2630.209652016712	2612.507917117069	2612.507917117069	54.796741418379534	54.796741418379534
692	357	264132	85118.85867307335	7027357.3170250766	36.9660813205682	-100.497158	371635.51892259	4395097.451072473	2758.825928174086	2630.045285736176	2612.507917117069	2612.507917117069	57.73235146519127	57.73235146519127
693	357	264133	85778.85867307335	7027357.3170250766	36.9660756974057	-100.4948148	371836.4767913728	4395093.45089858	2758.72831006404	2629.958321421484	2612.507917117069	2612.507917117069	60.8665828333438	60.8665828333438
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695	357	264135	87098.85867307335	7027357.3170250766	36.96606382625705	-100.4901269	372238.3922277771	4395085.448812469	2758.61752578842	2628.73182589819	2612.507917117069	2612.507917117069	67.1064965626211	67.1064965626211
696	357	264136	87758.85867307335	7027357.3170250766	36.966057837759504	-100.4877783	372439.34975581436	4395081.446514948	2758.5741424795413	2628.73182589819	2612.507917117069	2612.507917117069	70.23221349827454	70.23221349827454
697	357	264137	88418.85867307335	7027357.3170250766	36.9660517939788	-100.4854391	372640.3071673436	4395077.44445666	2758.5377788019663	2628.73182589819	2612.507917117069	2612.507917117069	73.35240277344877	73.35240277344877
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699	357	264139	89738.85867307335	7027357.3170250766	36.9660395025682	-100.480769	373042.316205682	4395069.442632397	2758.464307734874	2628.73182589819	2612.507917117069	2612.507917117069	79.606741418379534	79.606741418379534
700	357	264140	90398.85867307335	7027357.3170250766	36.966033909487	-100.4784075	3732							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvLogKrg.ft	SatThLog.s	SatThLog.s
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44	358	264224	-342561.1413	1028017.3170250766	36.69217162053651	-102.0191871	24138.89953961546	4397943.29027427	3586.695883291477	3471.21083473565	3471.959942938759	3467.070559567317	0	1.40275906033665
45	358	264225	-341901.1413	1028017.3170250766	36.69216259270682	-102.0196617	24184.9786517172	4397943.73869007	3579.810845601375	3468.544651818865	3467.2502242912058	3460.724122288592	1.294427228654976	7.847255847597894
46	358	264226	-341241.1413	1028017.3170250766	36.69221873370308	-102.0127475	24176.05951930146	4397943.219952246	3571.325701821072	3465.92111231044	3462.153761941434	3454.091244966317	3.7683549611601848	11.85209715687549
47	358	264227	-340581.1413	1028017.3170250766	36.69224212325369	-102.008931	241987.1391257441	4397929.06	3567.365222532465	3463.3424825135553	3457.1536805966894	3447.711139347147	1.68889011685941	15.631347166382521
48	358	264228	-339921.1413	1028017.3170250766	36.69225645573049	-102.0065874	24218.218476425	4397942.91780655	3567.129526318313	3460.80439341406	3452.46698894791	3442.50342454741	6.18880194437299	18.300971916382521
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51	358	264231	-337941.1413	1028017.3170250766	36.69233524228384	-101.9996567	24279.14550006817	4397916.06584804	3563.452509729795	3445.452509729795	3437.150815918987	3426.2525065153562	16.30169376582704	30.130169376582704
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87	358	264267	-314181.1413	1028017.3170250766	36.69314054453705	-101.9151874	250030.116335704	4397763.111	3463.231043217399	3398.07				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREVElevKgr.f	BREVElevKgr.f	SurfElevKgr.f	SatElevKgr.f
295	356	24476	-176901.1413	1028017.3170250766	39.69664457643693	-101.4276888	291847.5241129549	3369906.204384049	3307.026147529738	3192.613718726161	3093.4489848963854	3105.363660936853	39.1644382977574	87.2600577892584
296	356	24476	-176241.1413	1028017.3170250766	39.696666666109191	-101.425345	252048.5445	3969602.109	3296.6342311771183	3190.3662901365437	3096.448926163496	3113.2725493743414	39.1541353595	77.68903676220334
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327	356	24507	-155781.1413	1028017.3170250766	39.69700979	-101.3526854	298280.141069678	396975.720209095	3331.682847091645	3135.397691012223	3062.697295020896	3061.890646807346	39.172005952198277	73.5072423153778
328	356	24508	-155121.1413	1028017.3170250766	39.6970251559901	-101.3503415	298481.1570552309	396971.184226918	3345.3499047101054	3133.40602946171	3063.0491758662473	3061.0419758662473	39.17843255143292	75.7839097303184
329	356	24509	-154461.1413	1028017.3170250766	39.6970371979159	-101.3479977	298682.172843247	396976.096678065	3338.07158315242943	3131.581275275764	3063.79900730132	3061.477246441574	39.17843255143292	70.0410136342164
330	356	24510	-153801.1413	1028017.3170250766	39.697047617676252	-101.3456338	298893.1884458104	396976.30362807	3323.762192698212	3129.376917489262	3060.762916762837	3060.762916762837	39.1804759088739	93.6185250498844
331	356	24511	-153141.1413	1028017.3170250766	39.69705217878759	-101.3433099	299084.20382971254	396972.92279017	3331.354586	3127.641685	3062.9075670740544	3060.30737868517	39.17843255143292	70.0410136342164
332	356	24512	-152481.1413	1028017.3170250766	39.697062610452	-101.340966	299285.2191262216	396974.83540747	3334.78839	3125.72693878176	3061.919119688712	3058.91042741062	39.1804759088739	93.6185250498844
333	356	24513	-151821.1413	1028017.3170250766	39.6970731006530	-101.3386222	299486.234727347	396973.818819598	3331.211284	3123.82949	3060.428469310744	3057.09689	39.1804759088739	93.6185250498844
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335	356	24515	-150501.1413	1028017.3170250766	39.6970938349679	-101.3339344	299888.2635045999	396974.6267848	3346.7256438243177	3120.3110731367365	3057.0871728817756	3055.96439130932	39.1804759088739	93.6185250498844
336	356	24516	-149841.1413	1028017.3170250766	39.6971044693756	-101.3315905	300089.27953367	396974.803272905	3347.17276764014	3118.682056	3055.214234199126	3049.3545613945	39.1804759088739	93.6185250498844
337	356	24517	-149181.1413	1028017.3170250766	39.69711446814848	-101.3292636	300290.3459240959	396974.83540747	3348.230857354847	3117.629176826194	3054.7249517903465	3054.84768362376	39.1804759088739	93.6185250498844
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339	356	24519	-147861.1413	1028017.3170250766	39.697134785208235	-101.324								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKtgr.ft	BRIElevKtgr.ft	SurfElev.ft	LatBoth.ft
421	358	264601	-9371.14313	1028017.3170250766	36.98781442895258	-110.132591	3117174.8091632677	4396392.04008072	3192.421115324253	2966.0636779786231	2974.50290524111	2975.9187987390345	21.5677071452119752	20.14379885885634
422	358	264602	-93081.14133	1028017.3170250766	36.98782084	-110.1300715	3117375.8071504425	4396387.574201161	3193.4452678480333	2996.4382009453124	2977.771750290774	2979.0256952653636	17.6600259245506	16.412545022758877
423	358	264603	-92421.14133	1028017.3170250766	36.9878272347882	-110.1278712	3117676.80666238135	4396383.90864686	3194.646074587978	2994.688027235804	2978.5398269286014	2979.2394264286014	21.3302632332117	19.620847428981284
424	358	264604	-91761.14133	1028017.3170250766	36.98783362041115	-110.1252373	3119777.8036456305	4396379.843164306	3195.012532778653	2996.98335933454	2968.929161	2968.406275452135	22.9862225495494	25.92115573857635
425	358	264605	-91101.14133	1028017.3170250766	36.9878397366426	-110.1229834	3119788.8041514574	4396375.777994975	3192.4036630012363	2993.8392576012366	2960.6733684910864	2967.6847542175	33.16588911051051	31.160610054021618
426	358	264606	-90441.14133	1028017.3170250766	36.98784602	-110.1206395	318179.799079306374	4396371.713	3191.280377142631	2994.2341832539866	2955.937528846936	2957.51132939866	37.4568953562654	35.88229484
427	358	264607	-89781.14133	1028017.3170250766	36.987852204320874	-110.1182955	318380.7965303437	4396367.68454735	3189.985458280637	2992.9910304340206	2951.16849	2953.091349803017	41.821540848200584	39.89783545370983
428	358	264608	-89211.14133	1028017.3170250766	36.98785834172429	-110.1159816	318891.7930446975	4396363.584	3187.013719	2992.628888184956	2946.97340266337	2949.2990432634063	45.64934636	43.3294950208932
429	358	264609	-88461.14133	1028017.3170250766	36.9878644384468	-110.1136077	318792.7980182047	4396359.19844796	3184.941858149575	2992.3078784	2945.0398865635367	2945.8594126214225	48.9879719689012	46.44787164
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432	358	264612	-86481.14133	1028017.3170250766	36.98788243950538	-110.1065759	319385.7811359982	4396347.28	3173.921801147522	2993.85190625062	2933.441669520448	2937.8554257664446	51.1452110461373	53.72773785961774
433	358	264613	-85821.14133	1028017.3170250766	36.98788834945245	-110.104232	319586.7775286668	4396343.265017596	3171.015699902422	2991.45116917815	2933.168175175246	2937.8554257664446	50.24689102566036	55.501327885858924
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439	358	264619	-81861.14133	1028017.3170250766	36.98792286446482	-110.0901684	320792.7520275777	4396318.89005274	3142.7441620211	2990.966694	2920.9341615417777	2920.9341615416103	70.0323254804213	70.0323254804213
440	358	264620	-81201.14133	1028017.3170250766	36.9879284584648	-110.0878245	320993.7473700426	4396314.632376885	3126.054952639097	2990.940313685949	2919.4744232272883	2918.724891483126	71.46589045866085	72.651087765098
441	358	264621	-80541.14133	1028017.3170250766	36.98793407018865	-110.0854806	321194.7423639077	4396310.7693008705	3117.3351482959703	2990.9157828938315	2918.0027302406804	2913.389190114574	72.529424311516	75.52695918824059
442	358	264622	-79881.14133	1028017.3170250766	36.98793951052545	-110.0831366	321395.37318217295	4396306.70515883	3108.615603	2990.891044101979	2916.728746718584	2914.5004592075064	74.192075921704	76.4504523951358
443	358	264623	-79241.14133	1028017.3170250766	36.98794581767437	-110.0807927	321596.7382744254	4396302.64734254	3100.821754185658	2990.871754185658	2915.587194185658	2914.5004592075064	75.4504523951358	76.4504523951358
444	358	264624	-78561.14133	1028017.3170250766	36.9879503814898	-110.0784488	321797.7262984017	4396305.5365197	3096.8512069171262	2990.67913711048	2913.113025291094	2906.875481470801	75.7537047193875	79.2801465540247136
445	358	264625	-77901.14133	1028017.3170250766	36.98795574923575	-110.0761048	321988.7290971358	4396294.253468704	3093.912069712823	2990.40419513026	2911.151695857314	2905.6227392729418	76.5227392729418	80.4781460200618
446	358	264626	-77241.14133	1028017.3170250766	36.987961071538714	-110.0737609	322199.74172113056	4396296.403184764	3087.002558303193	2989.90682309646	2900.22118970345	2913.505254581386	80.658393320099	84.015685880741
447	358	264627	-76581.14133	1028017.3170250766	36.987966348558396	-110.071471	322400.7846133369	4396290.40313369	3080.848676	2989.179469151107	2907.6124958794417	2921.405432289412	81.8056510356991	87.7125146256994
448	358	264628	-75921.14133	1028017.3170250766	36.9879715802462	-110.0690371	322601.7024334413	4396282.3431513	3073.470396478047	2988.061058968945	2906.5905188678935	2914.4248059372496	81.4705041	73.6320030264848
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450	358	264630	-74601.14133	1028017.3170250766	36.98798219716556	-110.064379	323003.094233578	4396274.32473478	3059.713847325094	2987.4104274289015	2905.74104274289015	2914.4248059372496	81.4705041	73.6320030264848
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453	358	264633	-72621.14133	1028017.3170250766	36.987997059723455	-110.0573534	323606.668164122	4396262.07707945	3051.8144228081756	2986.0434682496	2907.72753403246	2908.141185133212	74.5696911921453	74.5296911921453
454	358	264634	-71961.14133	1028017.3170250766	36.98800202	-110.0550095	323807.6611516283	4396257.98928418	3050.530782331793	2979.854682572907	2908.83043936447	2908.83043936447	75.10538399692	75.10538399692
455	358	264635	-71301.14133	1028017.3170250766	36.98800593	-110.0526685	324008.6540870913	4396253.91052854	3048.92000717242	2978.42586047884	2908.671291888526	2908.671291888526	76.0735847226178	76.0735847226178
456	358	264636	-70641.14133	1028017.3170250766	36.9880109837657	-110.0503216	324209.5469141363	4396249.684709027	3047.9105262458	2978.42586047884	2908.671291888526	2908.671291888526	76.0735847226178	76.0735847226178
457	358	264637	-69981.14133	1028017.3170250766	36.98801628163174	-110.0478777	324410.6387248308	4396245.91507595	3046.95209137364	2978.42586047884	2908.671291888526	2908.671291888526	76.0735847226178	76.0735847226178
458	358	264638	-69321.14133	1028017.3170250766	36.9880214706423	-110.0456337	324611.6307875037	4396241.7913651	3046.137556160426	2974.144514	2907.347806395585	2907.19831	76.979707507162	76.96420446
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460	358	264640	-68001.14133	1028017.3170250766	36.9880302801793	-110.0409459	325013.6145014076	4396232.36421068	3040.17201495931	2971.74028648846	2904.07428909714	2903.86804862228	67.163480115516	67.163480115516
461	358	264641	-67341.14133	1028017.3170250766	36.98803547206824	-110.0386919	325214.6081	4396229.58624308	3038.810493396447	2969.736302	2902.2109900428886	2901.957055	67.5258118581137	67.80654730520973
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463	358	264643	-66021.14133	1028017.3170250766	36.98804589219761	-110.033912	325616.584724024	4396221.09369524	3036.42586047884	2967.4104274289015	2902.2109900428886	2901.957055	67.5258118581137	67.80654730520973
464	358	264644	-65361.14133	1028017.3170250766	36.98804913	-110.0315701	325817.57698737	4396217.41762013	3035.56107457585	2967.4104274289015	2902.2109900428886	2901.957055	67.5258118581137	67.80654730520973
465	358	264645	-64701.14133	1028017.3170										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThKLog.s	SatThKBoth.ft	
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548	558	264728	-9921.141327	1028017.31070250766	36.68626607106387	-100.8346877	342700.2434810596	4395887.544	2701.2542930014197	2791.5748053447356	2768.5148342366043	27.359962448692386	24.117963348697922	
549	558	264729	-9261.141327	1028017.31070250766	36.68266729133131	-100.8323448	342891.2208702084	4395873.3908326	2838.8405356491764	2799.57015309178952	2767.0389401709852	21.587766400925123	22.33231198410831	
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551	558	264731	-7941.141327	1028017.31070250766	36.6826790941968	-100.8276469	343303.17519340327	4395865.428507669	2860.9702781971027	2784.3625603571268	2766.037335	27.65545689041416	18.325225427176974	18.81691416982546
552	558	264732	-7281.141327	1028017.31070250766	36.6826841363671	-100.8253029	343504.1521726621	4395861.39016949	2862.470923624196	2781.3602233813134	2765.623852194773	27.6551220435506	16.23917014354037	16.74037798280733
553	558	264733	-6621.141327	1028017.31070250766	36.6826890856981	-100.822959	343705.1289116715	4395857.355	2863.971569512883	2779.03891440764	2765.634665041117	27.65478253171986	13.7357237396469	14.9577890209494
554	558	264734	-5961.141327	1028017.31070250766	36.6826934021884	-100.820615	343906.1054532764	4395853.31901782	2867.422441738283	2776.88280233493	2765.07247394579	27.65430222334133	11.8110283891389	12.45766779994064
555	558	264735	-5301.141327	1028017.31070250766	36.6826972558384	-100.8182711	344107.06202514843	4395852.95451578	2872.722208	2774.42693246054	2760.43580303939	27.652897841	9.796302711517	11.4235817183886
556	558	264736	-4641.141327	1028017.31070250766	36.68270075982707	-100.8159271	344308.0556352362	4395845.257605905	2878.724505468826	2771.07330850521	2761.505375	27.65034523634934	11.02285954027504	10.4679332174094
557	558	264737	-3981.141327	1028017.31070250766	36.6827036346169	-100.8135832	344509.0345369971	4395841.215237408	2878.7258926585	2769.551307878695	2758.71717976964	27.58213054760265	8.033581107029124	11.32025311843357
558	558	264738	-3321.141327	1028017.31070250766	36.6827061397453	-100.8112392	344710.0105673763	4395837.181	2883.727248301761	2767.161507168683	2755.4795473702243	27.5530911980170818	11.68210346643999	12.070452699786529
559	558	264739	-2661.141327	1028017.31070250766	36.6827081920332	-100.8088953	344910.984483592	4395833.1468858225	2883.1815476527287	2752.013394499936	2751.7422847801728	27.5422847801728	13.06926292250455	
560	558	264740	-2001.141327	1028017.31070250766	36.6827099194806	-100.8065513	345111.0621793722	4395829.11305405	2876.2074302431165	2762.5073664106935	2768.678977153328	27.6421989725198428	13.088289257365416	14.28749715767508
561	558	264741	-1341.141327	1028017.31070250766	36.6827109380874	-100.8042074	345312.3377608873	4395825.966858	2868.268919431716	2760.2549035373568	2744.897241904828	27.65002821904828	15.00008273652678	15.35794362016668
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593	558	264773	19778.58673073351	1028017.31070250766	36.68250									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.ft	W.Lt.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtKilos.ft	SatHtBothKrg.ft
673	358	264853	72578.8586730335	1028017.3170250766	36.9799779834358	-100.54168586	367821.306632321	4935374.779896662	2771.9739469349547	2633.4977482734075	2622.621950544392	2622.6728007545435	10.87579772901563	10.824947518864064
674	358	264854	72328.8586730335	1028017.3170250766	36.9799779834358	-100.54168586	368022.36607763153	4935370.727383376	2768.6851720447004	2633.307082505704	2620.734005451399	2620.8141866443509	12.563097706454059	12.582989583211504
675	358	264855	72088.8586730335	1028017.3170250766	36.9799779834358	-100.54168586	368223.2265657675	4935374.726434455	2769.268766868979	2633.003641878296	2618.61831188932284	2618.738414607296	14.417388232760397	14.46882388636347
676	358	264856	74558.8586730335	1028017.3170250766	36.979822357395	-100.5346538	368424.1862383456	4935372.75102467	2776.2548551260247	2633.17670619946	2623.043432612817	2626.072900177183	16.82607476215736	17.13351294026536
677	358	264857	75218.8586730335	1028017.3170250766	36.979770471747	-100.5323098	368625.1456652404	4935378.35170828	2778.265455223622	2633.110930483666	2614.200961366079	2613.63635815455	18.90996911758705	19.47439196621095
678	358	264858	75878.8586730335	1028017.3170250766	36.97979191320085	-100.5299569	368826.1054766876	4935374.74473175	2782.75526412389	2633.0122517820528	2611.845673197813	2611.463578540174	21.566875804713	21.566875804713
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681	358	264861	77898.8586730335	1028017.3170250766	36.97962725872468	-100.522941	369428.3692366604	4935374.735	2790.268766868979	2632.603696688143	2605.6136383703046	2604.73751296953873	27.07015729653873	27.8463630581463
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701	358	264881	90798.8586730335	1028017.3170250766	36.97839751400148	-100.476056	373448.140101558	4935262.857	2713.342758382016	2624.34758382016	2563.698731927154	2563.494731927154	60.71262506	60.71262506
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712	358	264892	98318.8586730335	1028017.3170250766	36.9776872956693	-100.4502725	375658.65571950586	4935218.65863431	2693.61128603462	2615.372543426224	2527.50484678195	2526.229020804464	110.8226037478024	108.058846254533
713	358	264893	98978.8586730335	1028017.3170250766	36.9776196110026	-100.4479285	375859.61809174604	4935214.660162077	2692.46522518853	2614.21139013617	2528.5159736511814	2527.130530469686	115.65854168	107.014721752212
714	358	264894	99638.8586730335	1028017.3170250766	36.9775517339555	-100.4455846	376060.561542384	4935210.61890926	2691.031929768347	2613.03085916865	2527.50484678195	2527.50484678195	116.55854168	107.014721752212
715	358	264895	100298.8586730335	1028017.3170250766	36.977483950281	-100.4432909	376261.518975183	4935206.61890926	2690.04327123627	2611.94327123627	2526.5994327123627	2526.5994327123627	117.65854168	107.014721752212
716	358	264896	100958.8586730335	1028017.3170250766	36.9774135195									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRELEVLogKgr.f	BRELEVBothKgr.f	LatBothKgr.f	SatBothKgr.f	
59	359	264979	-323661.1413	1026677.3170250766	36.9443214691153	-101.9808376	244404.23740798165	33080.8057777231	3502.5092080106717	3427.6300808957173	3424.661356107678	3421.1795640909867	12.96865258809391	16.45044404904533
60	359	264980	-323001.1413	1026677.3170250766	36.94434549	-101.978484	24405.5136425975	4380.764268449	3496.5116918	3435.82111880827	3420.5432561801166	3420.5432561801166	12.332717210376503	15.91592628510316
61	359	264981	-323181.1413	1026677.3170250766	36.944370320964	-101.978673	24406.9636921216	4380.723903408	3496.5116918	3435.82111880827	3420.5432561801166	3420.5432561801166	12.332717210376503	15.91592628510316
62	359	264982	-323061.1413	1026677.3170250766	36.9443404117341	-101.9738067	245007.4684184763	4380.631156101	3512.611451366876	3427.1971156779036	3421.5099911359907	3421.5099911359907	12.332717210376503	15.91592628510316
63	359	264983	-323021.1413	1026677.3170250766	36.944423078045666	-101.9714631	245208.50411263011	4380.60379436524	3483.968414122922	3420.3364243	3420.819683878997	3419.841734385504	8.536738682	10.60116110009041
64	359	264984	-323061.1413	1026677.3170250766	36.944456976346	-101.9691194	245409.61515828984	4380.5542490066	3474.8379146824957	3428.4897272491003	3420.286375039285	3419.4134701793204	8.536738682	10.60116110009041
65	359	264985	-328701.1413	1026677.3170250766	36.9444686196736	-101.9667758	245610.68995215834	4380.5517680524	3465.7064179429684	3426.5927762085924	3419.8846465025545	3419.248094057406	6.180132026139897	7.3429217011868481
66	359	264986	-328701.1413	1026677.3170250766	36.944490801016705	-101.9644322	245811.764944466	4380.5512630096	3456.475492120293	3426.5927762085924	3419.8846465025545	3419.248094057406	6.180132026139897	7.3429217011868481
67	359	264987	-327281.1413	1026677.3170250766	36.94451328479156	-101.9620885	246012.63876539573	4380.54737076349	3448.8326915767087	3422.7089276858963	3418.765474381462	3418.6988187959078	6.180132026139897	7.3429217011868481
68	359	264988	-326721.1413	1026677.3170250766	36.94453572329218	-101.9597449	246213.91262510092	4380.54229643022	3443.442039905155	3420.70787232057	3417.72747870469	3417.88118543489	4.370803951598024	3.21268868767862
69	359	264989	-326061.1413	1026677.3170250766	36.94455812	-101.9574012	246414.89661388233	4380.539079	3437.723177953024	3418.683458395328	3414.58300348310095	3414.800311199812	3.10041008523276	3.883333404720702
70	359	264990	-325401.1413	1026677.3170250766	36.94500464446972	-101.9550575	246610.6601015902	4380.53479076256	3421.63232275413	3416.63832275413	3410.445007668847	3410.64338111959	6.180132026139897	7.3429217011868481
71	359	264991	-324741.1413	1026677.3170250766	36.94602767146678	-101.9527139	246817.1334383082	4380.53078246924	3422.611737907092	3414.587297904594	3405.356422809436	3405.555482299436	9.230875211	9.902712683455496
72	359	264992	-324081.1413	1026677.3170250766	36.94642502454901	-101.9503702	247018.2064765129	4380.5263440891	3424.520376102029	3412.568547142894	3400.6566118570577	3401.036740574079	11.5315726312053	12.1531726312053
73	359	264993	-323421.1413	1026677.3170250766	36.9464272667671	-101.9480266	247219.2765307098	4380.52448884196	3421.4335525524027	3410.66140186088	3397.233367899317	3397.945097625101	14.42803337131865	12.700472700418588
74	359	264994	-322761.1413	1026677.3170250766	36.946904903540715	-101.9456829	247420.3519005235	4380.5183390309	3418.32634340442	3408.977225160126	3394.822028	3395.907801158267	14.42803337131865	12.700472700418588
75	359	264995	-322101.1413	1026677.3170250766	36.9469152511886	-101.943393	247621.4241878357	4380.511936985	3417.856783300534	3397.553895910126	3393.115780103396	3394.91693111458	14.42803337131865	12.700472700418588
76	359	264996	-321441.1413	1026677.3170250766	36.9471361102245	-101.9409596	247822.49625567248	4380.5044521918	3410.441168150074	3406.2925098431715	3391.768814205038	3393.56142505815	14.42803337131865	12.700472700418588
77	359	264997	-320781.1413	1026677.3170250766	36.947335625107	-101.9386519	248023.5680119926	4380.50389769373	3422.12756799583	3405.1006603913713	3390.47446443058	3392.68037981709	14.42803337131865	12.700472700418588
78	359	264998	-320121.1413	1026677.3170250766	36.94757618204854	-101.9363083	248224.6365309368	4380.5017993231	3424.33047278948	3403.933862	3388.6190266581816	3382.732370326596	15.31484123799828	11.21078986620266
79	359	264999	-319461.1413	1026677.3170250766	36.94877955868373	-101.9339646	248425.71086412904	4379.997805	3428.093053108887	3402.77858737033	3397.03068117891	3392.112363962	10.6752773947292	10.6752773947292
80	359	265000	-318801.1413	1026677.3170250766	36.94880143887764	-101.9316209	248624.781885398	4379.9543840736	3411.637628	3385.8763363959	3389.47095712936	3389.47095712936	12.700472700418588	12.700472700418588
81	359	265001	-318141.1413	1026677.3170250766	36.948834581293	-101.9297174	248824.6365309368	4379.9543840736	3411.637628	3385.8763363959	3389.47095712936	3389.47095712936	12.700472700418588	12.700472700418588
82	359	265002	-317481.1413	1026677.3170250766	36.9489451084707	-101.9269336	249028.9232243092	4379.9517663215	3414.199003502969	3384.051675310334	3387.140470899697	3387.140470899697	12.700472700418588	12.700472700418588
83	359	265003	-316821.1413	1026677.3170250766	36.948968784828	-101.9245899	249229.9935213197	4379.9512947956	3417.365043	3386.451755076557	3383.3267176410322	3385.8037889839	15.31484123799828	10.6752773947292
84	359	265004	-316161.1413	1026677.3170250766	36.9489885185129	-101.922463	249431.0637043245	4379.951670617245	3418.339627068516	3387.56843695513	3382.556575100726	3384.76462470673	10.6752773947292	10.6752773947292
85	359	265005	-315501.1413	1026677.3170250766	36.94910205701594	-101.9199026	249632.1337189276	4379.951731064335	3418.2968240643	3386.8037889839	3381.854958672602	3384.25144447237	14.42803337131865	12.700472700418588
86	359	265006	-314841.1413	1026677.3170250766	36.94931874334834	-101.9175859	249833.2029259978	4379.9568456	3450.262802106835	3396.1857384133	3380.966663814467	3382.963451616032	15.22008745958646	13.22240332499788
87	359	265007	-314181.1413	1026677.3170250766	36.9494543581293	-101.9151152	250029.4722292368	4379.9544179239	3458.795415264744	3395.70834328623	3379.812878192215	3389.230633766818	15.89923669467275	15.89923669467275
88	359	265008	-313521.1413	1026677.3170250766	36.94957949175517	-101.9126715	250235.3421293809	4379.95271985155	3458.695749751575	3394.392173719778	3387.10710706507	3387.10710706507	10.00421319487114	15.61703219487114
89	359	265009	-312861.1413	1026677.3170250766	36.94969647334319	-101.9105279	250436.4101026818	4379.951543033315	3456.957629307475	3395.2251816289212	3397.0672238310787	3397.723526396022	11.76510798742488	17.50165276934747
90	359	265010	-312201.1413	1026677.3170250766	36.94971917953034	-101.9081482	250637.47867152896	4379.95261	3446.095721282514	3395.172888680352	3375.50759376078	3375.50759376078	19.42635694348241	19.42635694348241
91	359	265011	-311541.1413	1026677.3170250766	36.9500393291799	-101.9058405	250838.5469913076	4379.9547602555	3456.224098705594	3395.238210530021	3397.38862505221095	3397.38862505221095	21.40751646822961	21.40751646822961
92	359	265012	-310881.1413	1026677.3170250766	36.95006064873225	-101.9030498	251039.6150649702	4379.954732767784	3395.30374867884	3395.4144965699616	3372.123874153789	3371.891505654647	23.29062214171652	23.29062214171652
93	359	265013	-310221.1413	1026677.3170250766	36.95008191489895	-101.9011315	251240.288269256	4379.95397964451	3511.537437465208	3395.698616782154	3370.470288008804	3369.873243433962	25.2932670941494	25.2932670941494
94	359	265014	-309561.1413	1026677.3170250766	36.9502032291799	-101.8987915	251458.429827919	4379.9543840736	3511.537437465208	3395.698616782154	3370.470288008804	3369.873243433962	25.2932670941494	25.2932670941494
95	359	265015	-308901.1413	1026677.3170250766	36.950124448891684	-101.8964568	251642.817060516	4379.9529451605	3510.402295735199	3396.57568540858	3386.844035002123	3385.615520489523	29.2932670941494	29.2932670941494
96	359	265016	-308241.1413	1026677.3170250766	36.95014562	-101.8941221	251843.8840149617	4379.95271985155	3512.58194583206	3397.149042178423	3395.581620972749	3384.65660309836	31.5674824053917	31.5674824053917
97	359	265017	-307581.1413	1026677.3170250766	36.950176542617	-101.8917784	252044.9517471513	4379.95103964727	3397.73432558906	3394.205196882142	3382.79823042387	3382.79823042387	35.492405656713	35.492405656713
98	359	265018	-306921.1413	1026677.3170250766	36.9501824549383	-101.8894347	252246.0183478299	4379.9518763179	3497.16612461792215	3394.06280381681	3382.9316641195804	3382.9316641195804	35.492405656713	35.492405656713
99	359	265019	-306261.1413	1026677.3170250766	36.950208806473225	-101.887091	252447.8087407323	4379.95178315915	3498.2683	3399.201671376837	3391.07952327017	3391.07952327017	35.492405656713	35.492405656713
100	359	265020	-305601.1413	1026677.3170250766	36.95022960116864	-101.8847473	252648.158150508	4379.95178315915	3509.70687	3399.8868714943	3390.57470421977	3390.57470421977	35.492405656713	35.492405656713
101	359	265021	-304941.1413	1026677.3170250766	36.9502508116864	-101.882473	252849.26407329	4379.95178315915	3510.70687	3399.8868714943	3390.57470421977	3390.57470421977	35.492405656713	35.492405656713
102	359	265022	-304281.1413	1026677.3170250766	36.95027163712694	-101.880059	253050.2823047288	4379.95178315915	3511.537437465208	3395.698616782154	3370.470288008804	3369.873243433962	29.2932670941494	29.2932670941494
103	359	265023	-303621.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevKgrg.ft	BRRElevKgrg.ft	SatHtKgrg.ft	SatHtKgrg.ft
185	359	265105	-249501.1413	1026677.3170250766	36.96684849	-101.6855286	269737.8984847259	4397559.41986549	3491.843116875802	3328.847748226037	3229.744871338391	3229.0479058766873	108.102678861761264	108.79984234931635
186	359	265106	-248841.1413	1026677.3170250766	36.966855305285	-101.6831484	269934.9434353005	4397555.296442172	3488.376863255195	3327.64072025194	3228.79685421613	3228.5256996762473	108.35275176530255	108.79114023846447
187	359	265107	-248181.1413	1026677.3170250766	36.96686262	-101.680841	270139.8696062396	4397551.17343846	3486.894335517333	3326.427597832648	3228.832953513875	3227.909433513875	108.6070037172226	108.79118644397635
188	359	265108	-247521.1413	1026677.3170250766	36.9668953892162	-101.6784972	270341.0353587286	4397546.296446145	3484.395532551202	3335.2140168284172	3225.1017665208	3226.9013352246244	108.96300916320934	108.3126630192828
189	359	265109	-246861.1413	1026677.3170250766	36.9669168982912	-101.6767154	270542.0805373562	4397542.9321320405	3487.96272585271	3334.0027208887946	3227.552132964187	3226.71408297396	108.450508792460759	108.7826126093955
190	359	265110	-246201.1413	1026677.3170250766	36.966933513647174	-101.6738096	270743.1245747567	4397538.815819406	3481.37950619239	3327.95091225818	3226.7323479319	3225.5443042806	107.7245267464991	107.820832031216
191	359	265111	-245541.1413	1026677.3170250766	36.9669303808804	-101.6714658	270944.1701969981	4397536.69570557	3478.0861807112834	3331.59183993097	3225.893631687806	3225.05225324671	107.7014782431638	108.898146874422
192	359	265112	-244881.1413	1026677.3170250766	36.96696720724975	-101.669122	271145.214916655	4397530.576	3477.944803414034	3330.39323946474	3224.288526644626	3223.3213528270308	106.10477120028236	107.0179637714583
193	359	265113	-244221.1413	1026677.3170250766	36.966938613228	-101.6667781	271346.2598699614	4397526.45637171	3476.898868115238	3329.198534183554	3223.70564815974	3221.61623766426	105.897268026247	107.558363219306
194	359	265114	-243561.1413	1026677.3170250766	36.9670071973558	-101.6644343	271547.37514937	4397522.337	3475.8717568164	3328.011571304706	3222.99813492254	3221.2758416416277	105.0133769224521	106.7357296307893
195	359	265115	-242901.1413	1026677.3170250766	36.9670174080592	-101.6620295	271748.34682429023	4397518.1278222	3474.8701898194756	3326.82527912708	3221.714269150424	3220.03071613424	104.711425804119472	106.7977810557013
196	359	265116	-242241.1413	1026677.3170250766	36.9670304110437	-101.6597467	271949.3904	4397514.09827766	3474.8112557351219	3325.650643215923	3220.3539910207396	3218.815937009933	105.29662519278968	107.131251253602
197	359	265117	-241581.1413	1026677.3170250766	36.9670506488683	-101.6574029	272150.4337886246	4397509.98	3484.117416507596	3324.478330407224	3218.905783435486	3217.083813865169	105.2705058923588	107.3920201395353
198	359	265118	-240921.1413	1026677.3170250766	36.967067201355935	-101.6550591	272351.47693418164	4397505.86186196	3486.722756639067	3323.308979566284	3217.486981467389	3216.913672073874	105.18219080892351	108.34767038268017
199	359	265119	-240261.1413	1026677.3170250766	36.96708370856266	-101.6527153	272552.1596953168	4397501.74394992	3481.93812687789	3322.144344677597	3216.010192526346	3215.031740895891	105.13400170141368	108.00470763816082
200	359	265120	-239601.1413	1026677.3170250766	36.967100311293	-101.650349	272749.349897209	4397498.9583718075	3482.422076826984	3325.7494387912983	3214.93789129863	3213.01818656348	105.0883239622817	108.17454276304532
201	359	265121	-238941.1413	1026677.3170250766	36.96711658713784	-101.6480276	272954.050269132	4397493.907973399	3507.091813240623	3319.82046489376	3212.7407170283345	3210.866797654433	104.08267467104128	107.7884674284238
202	359	265122	-238281.1413	1026677.3170250766	36.9671329581436	-101.6456838	273155.6477371329	4397489.30448405	3514.71856569676604	3318.659578666044	3211.3317413747886	3208.63171135782	103.73252164918151	106.0257730202239
203	359	265123	-237621.1413	1026677.3170250766	36.96714928460322	-101.64334	273356.6890441106	4397485.273225485	3518.7865344027	3317.4921750871455	3209.970514443849	3208.606281220094	103.5216603426603	108.89188736513609
204	359	265124	-236961.1413	1026677.3170250766	36.9671658541255	-101.6409962	273557.731270999	4397481.156215176	3519.2608506799	3316.2608506799	3208.65454109711	3206.44883473238	107.711343996876	108.8717363631601
205	359	265125	-236301.1413	1026677.3170250766	36.9671818	-101.6386624	273758.727788977	4397477.039	3519.8043654436	3315.1586304137943	3207.3797945662364	3206.12899186924	107.7788358555789	108.11202212435705
206	359	265126	-235641.1413	1026677.3170250766	36.9671979119245	-101.6363085	273959.8147412854	4397473.52288451	3520.3132707900834	3313.989763463496	3205.726477737242	3204.79177989633	107.1857917789633	107.1630282625607
207	359	265127	-234981.1413	1026677.3170250766	36.9672140031629	-101.634049	274169.8683718075	4397469.8583718075	3521.4312685450683	3312.70117746718	3204.7917746718	3203.7917746718	106.918656348	107.17454276304532
208	359	265128	-234321.1413	1026677.3170250766	36.9672302355382	-101.6318209	274361.891966541	4397464.6904267	3518.903625196677	3311.647319350407	3203.3636226537	3202.361970021137	106.2836280650735	107.1185818339033
209	359	265129	-233661.1413	1026677.3170250766	36.9672462026497	-101.6292771	274562.938881536	4397460.57486297	3517.776629197889	3310.47524841118	3202.202466	3201.9432741847403	106.17255415696776	107.122541533637765
210	359	265130	-233001.1413	1026677.3170250766	36.9672622939641	-101.6269332	274763.9737737835	4397456.45903867	3516.660190176057	3309.295373098549	3200.9154221275367	3200.793084789369	106.379905701239	107.11859150349107
211	359	265131	-232341.1413	1026677.3170250766	36.9672786234807	-101.6245884	274965.017605705	4397451.36466043	3517.366197190386	3308.158238668487	3200.455709222	3200.140431268615	106.2943681774168	107.1179753926180377
212	359	265132	-231681.1413	1026677.3170250766	36.9672941819956	-101.6222456	275165.0576322773	4397448.22853383	3519.896431580267	3306.933921627018	3200.331558335327	3200.112346844827	106.30076579342548	107.115521746821355
213	359	265133	-231021.1413	1026677.3170250766	36.9673100611293	-101.6198168	275367.0974375674	4397444.11381819	3522.422076826984	3305.7494387912983	3200.7494387912983	3200.7494387912983	106.3156977769816	107.11454276304532
214	359	265134	-230361.1413	1026677.3170250766	36.967325952422	-101.617579	275579.1272183	4397439.99	3524.95145136509	3304.6394278467	3200.1584721335939	3200.1584721335939	106.3247174463294	107.11454276304532
215	359	265135	-229701.1413	1026677.3170250766	36.9673416558567	-101.6152141	275769.176385259	4397435.845110303	3524.307215063704	3303.377421456342	3200.377421456342	3200.377421456342	106.3347919317648	107.115521746821355
216	359	265136	-229041.1413	1026677.3170250766	36.96735740330899	-101.6128703	275970.2152506052	4397431.70390236	3520.190212754508	3302.190212754508	3200.190212754508	3200.190212754508	106.34500787422856	107.115521746821355
217	359	265137	-228381.1413	1026677.3170250766	36.96737309584148	-101.6105264	276171.254504556	4397427.65294025	3516.673131501833	3301.032906300653	3200.190212754508	3200.190212754508	106.35400787422856	107.115521746821355
218	359	265138	-227721.1413	1026677.3170250766	36.967388742373974	-101.6081826	276372.2915253607	4397423.46049047	3512.856064941515	3299.8182771995935	3200.826504328007	3200.826504328007	106.3636367697272	107.115521746821355
219	359	265139	-227061.1413	1026677.3170250766	36.9674043396647	-101.6058388	276573.3316347164	4397419.428111408	3510.3695261471256	3298.6352897307944	3200.256239978543	3200.256239978543	106.37305271955166	107.115521746821355
220	359	265140	-226401.1413	1026677.3170250766	36.9674199031629	-101.603494	276774.39897209	4397415.31584732	3509.212685450683	3297.451017746718	3200.7494387912983	3200.7494387912983	106.382392951250648	107.115521746821355
221	359	265141	-225741.1413	1026677.3170250766	36.96743541137136	-101.601151	276983.0749399424	4397411.20281909	3508.056120824009	3296.26484112838	3200.642148931815	3200.642148931815	106.3915108255945	107.1172188687401
222	359	265142	-225081.1413	1026677.3170250766	36.96745087714368	-101.5988072	277176.4547630453	4397407.00024632	3506.895953	3295.06976061707	3200.077401657477	3200.077401657477	106.4007954420325	107.115521746821355
223	359	265143	-224421.1413	1026677.3170250766	36.96746627635856	-101.5964634	277377.48336763924	4397403.77464791	3505.467023862125	3293.8683692653476	3200.077401657477	3200.077401657477	106.4107954420325	107.115521746821355
224	359	265144	-223761.1413	1026677.3170250766	36.96748167	-101.5941196	277578.52075290075	4397398.861394835	3505.78533291579	3292.66134136664	3200.077401657477	3200.077401657477	106.4207954420325	107.115521746821355
225	359	265145	-223101.1413	1026677.3170250766	36.96749702777975	-101.5917772	277779.551939393	4397394.73048697	3502.050425393787	3291.45157348113	3200.077401657477	3200.077401657477	106.4307954420325	107.115521746821355
226	359	265146	-222441.1413	1026677.3170250766	36.967512289319	-101.5894319	277978.594673087	4397390.64119243	3500.341515899623	3290.245375729557	3200.077401657477	3200.077401657477	106.4407954420325	107.115521746821355
227	359	265147	-221781.1413	1026677.3170250766	36.9675278535337	-101.587091	278179.659639534	4397386.19639534	3500.077401657477	3290.077401657477	3200.077401657477	3200.077401657477	106.4507954420325	107.115521746821355
228	359	265148	-221121.1413	1026677.3170250766	36.9675431137136	-101.5847442	278382.681083681	4397382.4181393						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEVatKg.ft	BREIEVbothKg.ft	SatHtKgs.ft	SatHtBoth.ft
311	359	26231	-166341.1413	1026677.3170250766	36.68649586	-101.390022	36667.9586781502	4397041.989734986	398.34834261891734	316.13789040167	3063.010543806783	3075.6048721810614	31.10382731333895	78.1390672215057
312	359	26232	-166581.1413	1026677.3170250766	36.68656737116516	-101.3787851	35628.97100718086	4397037.898017887	3296.273909	3061.0327118835494	3072.283795968805	31.05486371812403	90.2638901851292	90.2638901851292
313	359	26233	-166821.1413	1026677.3170250766	36.686687162342495	-101.365141	35649.68923638459	4397033.906534825	3160.763159	3068.077335871171	3068.8671168192782	31.09242487026834	91.86826745420967	91.86826745420967
314	359	26234	-166431.1413	1026677.3170250766	36.68680016221552	-101.3831702	35671.0148474941	4397029.7158210187	3158.971563749013	3057.1995075984805	3088.598415984804	31.17726439201342	93.38273691641734	93.38273691641734
315	359	26235	-163701.1413	1026677.3170250766	36.6869127082595	-101.3808263	356872.0331699343	4397025.624696665	3131.7963411457444	3157.169266822553	3065.3015871126936	3062.57533	101.86767851556169	94.58373243858545
316	359	26236	-163041.1413	1026677.3170250766	36.68702604814786	-101.3748424	356903.0129238055	4397021.53347878	3308.399289260272	3155.356690306993	3043.00058470736	3059.9080614485342	101.3266105604257	95.44867025457
317	359	26237	-162831.1413	1026677.3170250766	36.6871364418721	-101.3761385	3569274.0692150401	4397017.442329979	3305.00237374812	3153.543152810987	3065.3032171738346	3067.9480514037093	101.329129810726414	95.56847018
318	359	26238	-161721.1413	1026677.3170250766	36.6872476294399	-101.3737945	3569475.0869381177	4397013.352652536	3301.60115834982	3151.7029444073783	3063.39419	3056.833704321107	108.3087549271835	94.86987079
319	359	26239	-161081.1413	1026677.3170250766	36.68735882641819	-101.3714568	3569676.1046161896	4397009.362545109	3306.743377	3149.862901931262	3063.971663787447	3056.526708496635	88.8918381937581	94.33688124362273
320	359	26240	-160401.1413	1026677.3170250766	36.687486460978	-101.3691057	356977.121786359	4397005.172908459	3321.4288126775055	3148.01779679331	3055.0584813163614	3056.9173222756387	95.8913515626935	91.0954772
321	359	26241	-159741.1413	1026677.3170250766	36.6875784571873	-101.3667628	3569781.3891192458	4397001.03835852	3326.110248980103	3146.1546874014557	3056.1053487383	3056.1053487383	93.2854031266288	98.3254801631267
322	359	26242	-159081.1413	1026677.3170250766	36.68767875145035	-101.3644188	356979.1558387377	4396996.93706467	3340.27353318695	3144.2882530416955	3058.02684044718	3058.983761627045	106.661689997728	85.304414146503
323	359	26243	-158421.1413	1026677.3170250766	36.6877977478866	-101.3620749	3569780.127567004	4396982.904561104	3342.4139278720313	3059.682745833489	3060.24937758494	82.731825335322	82.1645502743712	71.95102407541
324	359	26244	-157761.1413	1026677.3170250766	36.687905254597	-101.359731	356981.189096258	4396985.81654947	3348.4241955241805	3140.532334773324	3061.5684579417684	3061.5684579417684	78.923634	78.923634
325	359	26245	-157101.1413	1026677.3170250766	36.6880126327796	-101.3573871	356982.20548970875	4396984.72	3348.616725059436	3138.644371160435	3062.95994628856	3062.6774981927565	75.6744228158065	95.48867296768005
326	359	26246	-156441.1413	1026677.3170250766	36.68811208282324	-101.3550431	356983.2115625501	4396980.639	3350.80925484431	3136.75034112335	3064.1629165331706	3063.59920208935	72.5874275791689	71.1514202570451
327	359	26247	-155781.1413	1026677.3170250766	36.6882270430595	-101.3526992	3569824.237498688	4396976.550317035	3347.82796246594	3134.849738125848	3065.199313694376	3064.271838942948	69.6528675641043	70.7578918296339
328	359	26248	-155121.1413	1026677.3170250766	36.6883345995658	-101.3503553	3569845.2532729415	4396972.462340358	3324.95155371907	3065.783789228095	3064.687962510151	67.15715192691735	68.2571982175581	68.2571982175581
329	359	26249	-154461.1413	1026677.3170250766	36.68844080613014	-101.3480114	356986.287878583	4396968.347597321	3333.51773584492	3131.0404723221927	3065.95299020297	67.05048219821557	66.82624239359707	66.82624239359707
330	359	26250	-153801.1413	1026677.3170250766	36.6885465597372	-101.3456674	3569887.28412277653	4396962.280708014	3336.366247243197	3129.141544099142	3065.4907053432958	3063.551945184102	65.8899205204027	65.8899205204027
331	359	26251	-153141.1413	1026677.3170250766	36.68865186064005	-101.3433235	356988.29998989887	4396960.11980365	3328.29420216634524	3127.256697750164	3064.790293510032	62.4664042313236	64.5313798926826	64.5313798926826
332	359	26252	-152481.1413	1026677.3170250766	36.688757068259	-101.3409796	356989.2154250581	4396958.12768432	3324.384575005428	3125.3971524734798	3064.54706142377	60.105241695924207	64.3430633	64.3430633
333	359	26253	-151821.1413	1026677.3170250766	36.6888747965381	-101.3386512	356990.6134948167	4396956.2338048	3323.6247373735	3123.91587276906	3065.72050926954	60.72852368546565	63.78965265981375	63.78965265981375
334	359	26254	-151161.1413	1026677.3170250766	36.68895954611085	-101.3362917	356991.3436	4396947.93385578	3327.955017188935	3121.11773307352	3060.952622010904	60.5824496527803	61.9852611055453	65.3890790456588
335	359	26255	-150501.1413	1026677.3170250766	36.689058356095	-101.3339478	356992.3579942566	4396943.88034462	3338.88707663584	3120.11776314918	3068.919494583857	60.535872749085	61.086237130681	66.549028683293
336	359	26256	-149841.1413	1026677.3170250766	36.6891715722786	-101.3316038	356993.3721601358	4396939.768370512	3342.619923688134	3118.501054826417	3066.7651564418184	60.50470191775808	61.7358940082332	67.7969451240991
337	359	26257	-149181.1413	1026677.3170250766	36.68929741511834	-101.3292599	356994.30029438130534	4396934.66037152	3338.94677040384	3116.959277412889	3065.507746022723	60.42191991602611	62.451313901661	69.7400888013052
338	359	26258	-148521.1413	1026677.3170250766	36.68937628712805	-101.326916	356995.39990511024	4396931.59	3338.476617779534	3115.488087448134	3062.3329264337567	60.40026759908157	63.15516091307472	71.4854077560177
339	359	26259	-147861.1413	1026677.3170250766	36.689477965381	-101.324672	356996.477953381	4396928.35972	3338.23672338048	3114.9127358276906	3063.974327358545	60.378965265981375	63.78965265981375	63.78965265981375
340	359	26260	-147201.1413	1026677.3170250766	36.6895719065734	-101.3222472	356997.4266980157	4396923.42484551	3332.23471673735	3112.74814488113	3064.149305982173	60.43938929172	64.9242458	74.9242458
341	359	26261	-146541.1413	1026677.3170250766	36.6896769631765	-101.3198842	356998.4005870714	4396919.33905934	3328.229251416499	3111.4634608495635	3065.147031703557	60.35385462330016	67.7910919100659	76.70779856368182
342	359	26262	-145881.1413	1026677.3170250766	36.6897802826504	-101.3175402	356999.3102945303692	4396915.29599384	3324.22435455625	3110.2408923679004	3064.1629165331706	60.40416102680451	61.0846437910951	77.8247896744908
343	359	26263	-145221.1413	1026677.3170250766	36.6898801497227	-101.3151963	357000.455004852671	4396911.171	3319.187571626837	3109.036030285541	3061.2385188068747	60.3106495762224	67.82484147866626	77.99850452337102
344	359	26264	-144561.1413	1026677.3170250766	36.6899795637495	-101.3128524	357001.70147846016	4396907.08489505	3313.11899917651	3107.918666367594	3060.1314241452318	60.30184532604858	67.7827421652136	77.7341307190065
345	359	26265	-143901.1413	1026677.3170250766	36.6900758524949	-101.3105824	357002.90487229425	4396903.0284706	3307.0053482126583	3106.7911705661	3057.731791787337	60.2816334189827	68.049287768402	78.6347888617474
346	359	26266	-143241.1413	1026677.3170250766	36.6901747953381	-101.3081769	357003.9181713478	4396900.151713479	3305.92136578906	3105.830257483711	3060.732050926954	60.27161582741927	71.0781652417806	71.0781652417806
347	359	26267	-142581.1413	1026677.3170250766	36.6902750888414	-101.3058025	357004.551164017	4396904.83175812	3307.06124521784	3104.5975288952513	3061.047423263114	60.25931193976534	69.8082954967599	79.0743374975799
348	359	26268	-141921.1413	1026677.3170250766	36.69037269154225	-101.3034766	357005.526947332	4396900.751876995	3306.28897443134	3103.506307457924	3062.300558831318	60.24022470228304	71.2056519647433	79.48383762
349	359	26269	-141261.1413	1026677.3170250766	36.6904689	-101.3011326	357006.538862751	4396906.68880132	3293.51563468585	3102.419595119435	3060.93329242786	60.2247452914506	71.94546236634747	71.94546236634747
350	359	26270	-140601.1413	1026677.3170250766	36.6905665384479	-101.2987787	357007.5001628417	4396902.58965104	3301.744132593697	3100.233758626036	3062.7950745083126	60.1897723803317	72.5813032711097	80.4360348
351	359	26271	-139941.1413	1026677.3170250766	36.6906627865214	-101.296448	357008.561624763	4396903.53036063	3298.54938833644	3100.240668559374	3062.633040400783	60.17212628158678	81.9040573	81.9040573
352	359	26272	-139281.1413	1026677.3170250766	36.69076578420408	-101.2941008	357009.572442312	4396904.25996145	3293.93233347475	3099.15567584967	3025.70540690978	60.1565181365831	81.5904941128385	81.5904941128385
353	359	26273	-138621.1413	1026677.3170250766	36.6908718125629	-101.2917653	357010.644398807	4396905.859389378	3293.7633443546	3098.194231424265	3061.452683489797	60.145834869797	79.7285377441762	79.7285377441762
354	359	26274	-137961.1413	1026677.3170250766	36.6909757862092	-101.2894129	357011.5398373729	4396906.246906195	3294.69839245335	3096.95875798475	3021.50279183845	60.139276798067	75.4557399115466	82.581617017277
355	359	26275	-137301.1413	1026677.3170250766	36.69104332114234									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtLog.ft	SatHtBoth.ft
437	359	265357	-83181.14133	1026677.3170250766	36.69972457201065	-01.0948637	320394.83065493884	3436528.272194313	3150.3556531770208	2988.90521993711	2924.593163257451	2927.333354788671	64.31205667416986	61.5718514304021
438	359	265358	-82521.14133	1026677.3170250766	36.69973026727996	-01.0925197	320595.8256251958	3436524.209876705	3142.35345185554	2988.56418228105	2922.931341332928	2925.5699971771455	65.9234049684725	63.28418511
439	359	265359	-81861.14133	1026677.3170250766	36.69973589616074	-01.0901757	320766.921028185	3436520.791791768	3138.726984210382	2988.908752533562	2923.9306629754063	2924.968958181913	67.8897890715364	64.7489763464693
440	359	265360	-81201.14133	1026677.3170250766	36.69974149030094	-01.0878317	320967.8159240149	3436516.086	3127.63166815886	2988.762209886254	2919.421090491467	2925.5554175383354	68.3111949534872	63.290244848998
441	359	265361	-80541.14133	1026677.3170250766	36.699747039172735	-01.0854877	321188.0168888796	3436512.024320324	3117.5187248	2988.7025874918	2917.8914024029297	2931.488230469273	68.058572888814	62.9192828604503
442	359	265362	-79881.14133	1026677.3170250766	36.6997524275177	-01.0831437	321399.8052619429	3436507.962303773	3111.887448	2988.62899625586	2916.546094830374	2936.630528382173	70.2085107	51.99836791436883
443	359	265363	-79221.14133	1026677.3170250766	36.69975800104639	-01.0807997	321600.7997	3436503.031779992	3105.92293537326	2988.503499	2914.851403114117	2938.044663213277	73.6849585953824	50.09835513492304
444	359	265364	-78561.14133	1026677.3170250766	36.69976341405635	-01.0784557	321801.7939	3436499.84085879	3100.52228698047	2988.29584818323	2913.131018303123	2937.431151646445	75.1644898019975	50.46413166196791
445	359	265365	-77901.14133	1026677.3170250766	36.69976886187168	-01.076118	322002.7879387768	3436495.790170719	3096.92984210382	2987.36732303266	2911.3101635868603	2935.196833421414	75.7698789685313	52.7698789685313
446	359	265366	-77241.14133	1026677.3170250766	36.6997740422245	-01.0737678	322203.7817721131	3436491.91751211	3091.3307395379569	2987.437555961264	2909.6527787676136	2927.517866589695	77.74477193467	60.1227652390874
447	359	265367	-76581.14133	1026677.3170250766	36.699779381378555	-01.0714238	322404.7552765916	3436487.659429384	3084.785372	2986.701262967025	2908.4140293237665	2920.361289250245	78.2910637290594	66.34405701767798
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452	359	265372	-73281.14133	1026677.3170250766	36.6998050788938	-01.0597708	323409.7414659265	3436467.381869377	3052.942089225174	2980.304720732173	2909.2138114192104	2909.35469901315	79.6904581350492	71.54957167140037
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455	359	265375	-71301.14133	1026677.3170250766	36.69981968379785	-01.0526719	324012.7186866985	3436455.12669881	3048.571472443336	2976.917219249114	2909.701266534815	2912.10438429638	82.667220318	
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458	359	265378	-69321.14133	1026677.3170250766	36.69983441130778	-01.0456399	324615.69493121095	3436441.02400359	3043.610042551093	2972.857921116401	2908.915128862567	2909.3199171313808	82.6639722536434	63.53800962502024
459	359	265379	-68661.14133	1026677.3170250766	36.69983921750487	-01.043369	324820.6256573324	3436435.65487798	3042.05929198794	2971.484384217	2908.55896978657	2908.55896978657	82.6649473295824	64.51309471969171
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461	359	265381	-67341.14133	1026677.3170250766	36.699848506675416	-01.0386079	325218.6695	3436430.840804569	3038.305317894564	2968.80792265786	2902.217950419882	2902.7843752935867	82.6649473295824	65.16282105
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465	359	265385	-64701.14133	1026677.3170250766	36.69986692574074	-01.0292819	326022.6286529375	3436414.815029493	3032.7340029297787	2986.55896978657	2986.55896978657	2986.55896978657	82.6649473295824	67.37232107
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475	359	265395	-58101.14133	1026677.3170250766	36.6999086155553	-01.005792	328032.5299952163	3436374.067710951	2990.3698642635	2944.588915	2985.698676119466	2985.698676119466	82.6649473295824	67.37232107
476	359	265396	-57441.14133	1026677.3170250766	36.6999127005344	-01.003448	328233.5188	3436370.014233965	2991.137073045673	2944.2105651226226	2983.9547616742944	2983.9547616742944	82.6649473295824	67.37232107
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481	359	265401	-54141.14133	1026677.3170250766	36.6999318602964	-00.991728	329238.460714884	3436349.75036182	2988.4304751526175	2928.203331106155				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgsKrg.ft	BRIElevBothKrg.ft	SatKtLgns.ft	SatKtBoth.ft
563	359	265483	-21.14123693	1028677.3170250766	39.70008427979026	-100.7995195	345718.9268049211	4396018.250755595	274.3713862019436	2754.797642	2726.974750528958	2726.689640334796	27.82289141931873	28.108001713474096
564	359	265484	-23.8586730733514	1028677.3170250766	39.700084206787004	-100.791775	345919.901733016	4396016.217740494	2848.623576595272	2774.313802072729	2774.813802072729	27.42400456249525	27.90041600547629	28.3111637170459
565	359	265485	-12.981866730733514	1028677.3170250766	39.70008420392975	-100.7948519	346120.8785	4396013.0	3849.87679681181	2750.94128636155	2750.811823362657	27.25365321199518	25.0780323135974	25.4048683799762
566	359	265486	-1958.8586730733514	1028677.3170250766	39.700084205847295	-100.7924875	346321.8510620641	4396006.15297871	2851.172957125672	2748.718443051055	2729.096863710027	27.9133845582028	18.7914746810288	19.00459458253514
567	359	265487	-2618.8586730733514	1028677.3170250766	39.70008387	-100.7901434	346522.8250653727	4396002.11942133	2855.683478	2746.7903215720034	2737.0395705831374	27.3448443152033	9.576075898866002	9.742878149790519
568	359	265488	-3278.8586730733514	1028677.3170250766	39.7000369166666	-100.7877994	346723.799602085	4395998.087181095	2863.572392515895	2744.8899748276126	2746.20347	27.46414317185804	0	0
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570	359	265490	-4598.8586730733514	1028677.3170250766	39.7000312864517	-100.7831114	347125.74795018573	4395990.02465102	2879.33003452609	2741.20688033958	2761.814903797337	27.7648628269823	0	0
571	359	265491	-5258.8586730733514	1028677.3170250766	39.7000279045658	-100.7807874	347326.7102878968	4395985.992836124	2876.977860271767	2739.3996532	2763.8437865844476	27.95436739103803	0	0
572	359	265492	-5918.8586730733514	1028677.3170250766	39.7000240598277	-100.7784234	347527.655085426	4395981.96163816	2881.355021595224	2737.617096	2760.9154867763026	27.90485477255946	0	0
573	359	265493	-6578.8586730733514	1028677.3170250766	39.70001878223736	-100.7760794	347728.66906708316	4395977.930671166	2845.812063770238	2735.8593100239485	2757.6593423742367	27.91719606202659	0	0
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575	359	265495	-7898.8586730733514	1028677.3170250766	39.7000084850025	-100.7713914	348130.617543201	4395969.669436812	2828.13773753873	2732.41695860982	2752.755911257832	27.952115962873988	0	0
576	359	265496	-8558.8586730733514	1028677.3170250766	39.7000042023536	-100.7690474	348331.588626295	4395965.839	2834.53796975019	2730.734124582578	2751.3557739047437	27.963975012976	0	0
577	359	265497	-9218.8586730733514	1028677.3170250766	39.7000798103546	-100.7667304	348532.568613579	4395961.809126993	2840.9381819619066	2729.07624215468	2750.357004	27.949879194450288	0	0
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598	359	265518	-23168.8586730733514	1028677.3170250766	39.7000574155464	-100.7174792	352752.960590533	4395877.021730851	2759.763767578659	2701.051792221665	2730.916071183084	27.9345909133316	0	0
599	359	265519	-23838.8586730733514	1028677.3170250766	39.70005494	-100.7151352	352953.930758825	4395873.20684908	2751.7571159271997	2699.9383	2702.0593909993103	27.93452586222397	0	0
600	359	265520	-24398.8586730733514	1028677.3170250766	39.70005323921015	-100.7127912	353154.9004256402	4395869.182133909	2747.17816873644	2698.80032515283	2697.6395277200626	26.99754152843641	1.16050513175701	1.31048466213942045
601	359	265521	-25058.8586730733514	1028677.3170250766	39.700051587176446	-100.7104472	353355.86995117343	4395865.1575611	2732.639255786229	2697.660651567567	2695.325522424338	26.995121293540604	2.335129125183352	2.449367213506775
602	359	265522	-25718.8586730733514	1028677.3170250766	39.70004984514672	-100.7081032	353556.8336356696	4395861.13393918	2730.0232888714	2696.513810942395	2693.6277791734697	26.9926553706782	2.886031768026413	2.8167527356146593
603	359	265523	-26378.8586730733514	1028677.3170250766	39.7000480878183	-100.7057592	353757.8085792976	4395857.01939869	2720.2967687114404	2695.35960233237	2693.69253164802035	26.9936753028851504	3.3364573028851504	3.3104380349186704
604	359	265524	-27038.8586730733514	1028677.3170250766	39.700046225231704	-100.7034151	353958.77682015	4395853.08591308	2721.224132353059	2694.1985304757464	2690.6708804273448	26.990671985303011639	4.13126393011639	4.126365017098257
605	359	265525	-27738.8586730733514	1028677.3170250766	39.7000445243486	-100.7010921	354159.748642124	4395846.934543427	2722.257675787859	2693.1825324384695	2689.848425384695	26.987885266330728	4.53898663319518	4.53898663319518
606	359	265526	-28388.8586730733514	1028677.3170250766	39.70004242176274	-100.6987271	354360.7154672196	4395843.0873039	2723.078823362407	2691.85719263509	2688.300427765926	26.98630024309907	4.604789197556955	4.556967559518853
607	359	265527	-29018.8586730733514	1028677.3170250766	39.70004045572081	-100.6963831	354561.6841485743	4395841.051613855	2723.06319804071	2690.673997792737	2683.075308859693	26.98333973	7.598647041763342	6.734274922556878
608	359	265528	-29678.8586730733514	1028677.3170250766	39.7000384198019	-100.6940391	354762.652692041	4395836.99275701	2723.9257019138197	2689.4818913279464	2681.37021698285	26.982470435801763	8.1048329657941	7.407547347770105
609	359	265529	-											

ix	iy	x.ft	y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfLen.L	W.Ln.	BREIELogKgr.f	BREIEBothKgr.f	SatThKgr.f	SatBth.f
589	356609	83138.8586730335	1028677.3170250766	39.69972493575235	-100.5041753	371040.6594392089	4395511.90833121	176.284978642714193	20.971745227993	2587.639805352381	2587.420591159323	43.271398761169	43.439710474969785
590	356610	83758.8586730335	1028677.3170250766	39.69971921045699	-100.5181313	371241.6172170047	4395510.304408376	2765.284452609121	2630.060872345498	2586.098411285157	2585.038162635707	44.50140110603388	45.562705959747325
591	356611	84488.8586730335	1028677.3170250766	39.69971436971251	-100.5348473	371442.5748736296	4395509.761681	2763.234669192344	2630.058097363244	2584.106621929653	2583.031916537171	46.14421894	47.2774384423873
592	356612	85178.8586730335	1028677.3170250766	39.69970762004149	-100.4971434	371643.53240710613	4395509.87	2766.838514054927	2629.96682047855	2582.135938071567	2580.884731069803	47.300815696925	48.98209047563026
593	356613	85778.8586730335	1028677.3170250766	39.69970175444724	-100.4847994	371844.48981823993	4395508.8402365	2764.0423239	2629.483832849544	2579.8549689790744	2578.1529482540736	49.5940234588005	50.29968557089078
594	356614	86438.8586730335	1028677.3170250766	39.69969740890496	-100.4924554	372045.44710727234	4395509.81901235	2765.054262375326	2628.996479174389	2577.8710044470863	2575.152850155088	51.154264702730244	51.8423629130126
595	356615	87098.8586730335	1028677.3170250766	39.6996898985829	-100.4901114	372246.3413	4395508.8852394	2765.070438700584	2628.511705061443	2576.264909138767	2574.87269079106	52.26471688	53.691237307521
596	356616	87758.8586730335	1028677.3170250766	39.6996839687763	-100.4877674	372447.36131965195	4395508.88751394	2764.12485824781	2627.99612	2574.2905077000128	2572.9790882911	53.7026117187302	55.1202109053074
597	356617	88418.8586730335	1028677.3170250766	39.6996778527585	-100.485424	372648.3830481166	4395508.88381166	2766.542679617556	2627.455913271895	2573.6112615121046	2571.631981588875	54.65526983369	56.1931981588875
598	356618	89078.8586730335	1028677.3170250766	39.69967176340957	-100.4830795	372849.2705494931	4395507.88132995	2767.105009913304	2626.67539739832	2569.6233645040424	2569.0202861615874	57.183973153207	57.847051812395875
599	356619	89738.8586730335	1028677.3170250766	39.69966562874799	-100.4807385	373050.2317	4395507.87492061	2727.580393920465	2626.275632761544	2567.48908634138	2567.30583065128	58.7854784195565	58.9689943020857
600	356620	90398.8586730335	1028677.3170250766	39.69965940892059	-100.4783915	373251.18828884314	4395507.87762089	2722.910747023483	2625.64710868737	2565.620151240514	2565.512033192479	60.0269578222226	60.1350756295866
701	356621	91058.8586730335	1028677.3170250766	39.69965322	-100.4760475	373452.144728932	4395507.87645432	2718.278501020243	2624.995832509313	2563.894303968835	2563.664812	61.10152851422467	61.313020803013
702	356622	91718.8586730335	1028677.3170250766	39.6996469530863	-100.4737035	373653.101048549	4395509.87319277	2713.56522451556	2624.34395456438	2562.026290679696	2562.02677675683	62.298104758738646	62.2537178288967
703	356623	92378.8586730335	1028677.3170250766	39.6996403726006	-100.4713595	373854.057247927	4395509.874393614	2707.77078658078	2623.632213182943	2560.233424144946	2560.5812993679672	63.050389184868346	63.050389184868346
704	356624	93038.8586730335	1028677.3170250766	39.699634276177136	-100.4691156	374055.013272566	4395501.87396438	2706.873349615815	2622.91871244208	2558.3920974441007	2559.317455821708	64.5266148978942	64.5266148978942
705	356625	93698.8586730335	1028677.3170250766	39.6996278698068	-100.4666716	374255.9692687528	4395507.8733793	2703.96946665094	2622.183835043303	2551.324876381933	2552.175218336881	70.8580712239744	70.0081651744953
706	356626	94358.8586730335	1028677.3170250766	39.699621418158266	-100.4642376	374456.952126415	4395507.872999506	2701.06593166602	2621.428913595946	2554.13119205454	2553.75839595824	72.936993114353	73.67649505228067
707	356627	95018.8586730335	1028677.3170250766	39.6996148212232	-100.4619836	374657.88048705215	4395507.87295729	2699.435220826231	2620.6408248979684	2519.444046	2518.016741064846	101.1947283705848	102.124734331038
708	356628	95678.8586730335	1028677.3170250766	39.6996083790025	-100.4596397	374858.83484482702	4395507.873	2699.0778317982	2619.821448803267	2518.106123869429	2516.714921368675	101.1947283705848	102.124734331038
709	356629	96338.8586730335	1028677.3170250766	39.6996017149751	-100.4572957	375059.79193047446	4395501.87369512	2698.71975449272	2618.97152598667	2517.421008014924	2516.2028562606906	97.5590724490317	98.7070959168644
710	356630	96998.8586730335	1028677.3170250766	39.69959515870767	-100.4549817	375260.747236957	4395507.87347055	2698.36276714827	2618.088472	2516.4284	2516.33738796297	99.604194146502	99.74358417
711	356631	97658.8586730335	1028677.3170250766	39.699588935528	-100.4527181	375461.702581166	4395507.87347055	2698.36276714827	2618.088472	2516.4284	2516.33738796297	99.604194146502	99.74358417
712	356632	98318.8586730335	1028677.3170250766	39.6995817527813	-100.4502367	375662.51657050124	4395507.87347055	2698.36276714827	2618.088472	2516.4284	2516.33738796297	99.604194146502	99.74358417
713	356633	98978.8586730335	1028677.3170250766	39.6995748883651	-100.4479198	375863.612673027	4395507.87347055	2698.36276714827	2618.088472	2516.4284	2516.33738796297	99.604194146502	99.74358417
714	356634	99638.8586730335	1028677.3170250766	39.69956817410656	-100.4455758	376064.567563492	4395501.87941233	2698.46412018597	2617.837340711775	2530.615691031762	2529.034708294309	83.2576973941568	84.836324713862
715	356635	100298.8586730335	1028677.3170250766	39.69956131550524	-100.4432318	376265.5223359384	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
716	356636	100958.8586730335	1028677.3170250766	39.6995544100273	-100.4409878	376466.477097027	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
717	356637	101618.8586730335	1028677.3170250766	39.69954746122435	-100.438748	376667.4516280076	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
718	356638	102238.8586730335	1028677.3170250766	39.699540466117	-100.4365199	376868.38845527	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
719	356639	102938.8586730335	1028677.3170250766	39.69953325814664	-100.4338559	377069.3405319403	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
720	356640	103598.8586730335	1028677.3170250766	39.6995263018361	-100.4315119	377270.24053858116	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
721	356641	104258.8586730335	1028677.3170250766	39.6995192095842	-100.429168	377471.2480680679	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
722	356642	104918.8586730335	1028677.3170250766	39.6995123069105	-100.426824	377672.205624374	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
723	356643	105578.8586730335	1028677.3170250766	39.699504811556678	-100.42448	377873.156400066	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
724	356644	106238.8586730335	1028677.3170250766	39.6994974481814	-100.4221381	378074.110217691	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
725	356645	106898.8586730335	1028677.3170250766	39.69949232736636	-100.4197291	378275.0637	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
726	356646	107558.8586730335	1028677.3170250766	39.6994827543082	-100.4174481	378476.0171282214	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
727	356647	108218.8586730335	1028677.3170250766	39.69947547281108	-100.4151041	378676.9705938324	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
728	356648	108878.8586730335	1028677.3170250766	39.69946802	-100.4127602	378877.9239	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
729	356649	109538.8586730335	1028677.3170250766	39.6994603311945	-100.4104162	379078.978969602	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
730	356650	110198.8586730335	1028677.3170250766	39.6994528029796	-100.4080732	379279.830320796	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
731	356651	110818.8586730335	1028677.3170250766	39.6994479481917	-100.405848	379480.78616453	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
732	356652	111518.8586730335	1028677.3170250766	39.6994379345474	-100.403843	379681.7357	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
733	356653	112178.8586730335	1028677.3170250766	39.69943016012813	-100.401403	379882.68843417	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862
734	356654	112838.8586730335	1028677.3170250766	39.6994223652037	-100.3989694	380083.6410081825	4395507.88126087	2698.36276714827	2618.088472	2516.4284	2516.33738796297	83.2576973941568	84.836324713862

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg	BRELEVBothKrg	LatBothKrg	SurfBothKrg
75	360	265735	-322101.1413	1029337.3170250766	36.9665042800061	-101.9433678	247625.58333420	438215.52558396	341.117313640437	346.0050924030461	3393.6023069752277	3394.432381838998	12.402771732523425	11.572642641074023
76	360	265736	-321441.1413	1029337.3170250766	36.96652650487468	-101.9410204	247626.5512201613	438211.378	341.2681486801775	3404.7967660487362	3397.5536305113276	3398.2203092414574	12.122700394374599	11.574565831496216
77	360	265737	-320781.1413	1029337.3170250766	36.96654563427277	-101.9388694	24802.7652620042	438192.621	341.8561637116224	3403.6045101507484	3391.83013389854	3392.0176805686272	11.8012629320923	11.58661688322129
78	360	265738	-320121.1413	1029337.3170250766	36.96657052274836	-101.9363367	24822.6057274836	438193.038326645	341.642718765968	3402.368412903901	3389.8776502265556	3391.6281715135027	12.576268084507	10.7702737798272
79	360	265739	-319461.1413	1029337.3170250766	36.96659246384082	-101.9339929	248429.8689942907	438198.937	342.1961422269374	341.177402054782	3388.044113650122	3390.8875843073664	13.13588946056566	10.1898177414518
80	360	265740	-318801.1413	1029337.3170250766	36.9661435961068	-101.9316492	248630.9387972744	438194.709911055	342.5909054121074	3399.9640258810075	3386.562669112515	3393.7657768492536	9.87092957043011	9.87092957043011
81	360	265741	-318141.1413	1029337.3170250766	36.9663621010439	-101.9293055	248832.010317082	438190.964728994	342.895796620907	3398.734305	3385.3660202783353	3387.49692891035	13.3489043434963	11.237362116997807
82	360	265742	-317481.1413	1029337.3170250766	36.9665801532189	-101.9269618	249033.080620117	438196.4982771	342.9587962729175	3397.553630501832	3384.2046587606785	3386.2816705273187	13.347891769504715	11.27119697801454
83	360	265743	-316821.1413	1029337.3170250766	36.9666797526313	-101.924618	249224.1506761954	438192.357072217	343.6151897525066	3396.4111414265367	3383.37225123749	3385.596951165921	13.69893631636807	11.64536309846534
84	360	265744	-316161.1413	1029337.3170250766	36.966701493661	-101.9222743	249435.2207458736	438191.762075949	343.985293134567	3395.438294370976	3382.68475402387	3384.623495789282	12.75560689126	10.81294811693739
85	360	265745	-315501.1413	1029337.3170250766	36.96672315316726	-101.9199308	249636.2900291419	438193.652385822	343.45406974448	3394.579664239385	3382.01785833951	3384.202156301181	12.5601002586770	10.37750112277578
86	360	265746	-314841.1413	1029337.3170250766	36.96674433428976	-101.9175868	249837.35933434304	438199.6172552181	344.023823814548	3393.895730432699	3381.3507650576175	3383.0313972955983	12.544606537081574	10.86433171700587
87	360	265747	-314181.1413	1029337.3170250766	36.9667663226482	-101.9152431	250038.4239231904	438195.775758751	344.6763892615496	3393.895105074184	3380.1852248619017	3380.2048588781669	12.204285887460678	10.62588656740678
88	360	265748	-313521.1413	1029337.3170250766	36.9667879	-101.9128994	250239.4972023538	438161.628056131	345.679148016206	3394.07277152681	3378.581264615226	3379.4734154510432	14.466021357455299	13.373962367327855
89	360	265749	-312861.1413	1029337.3170250766	36.9668093417078	-101.9105556	250440.56576736114	438157.483760145	346.182981178447	3392.9493456250323	3377.178403303767	3377.3919543715438	15.470025086533068	15.470025086533068
90	360	265750	-312201.1413	1029337.3170250766	36.9668308711344	-101.9082119	250641.6340848491	438153.39098987	347.3730788	3392.79426154904	3375.562905605304	3375.228031499566	17.216530549473444	17.517136300447234
91	360	265751	-311541.1413	1029337.3170250766	36.96685224843205	-101.905881	250842.7021592178	438149.1958753485	348.161681173105	3392.827473024161	3373.288270979372	3373.266984627904	19.09854582223778	19.56048836626915
92	360	265752	-310881.1413	1029337.3170250766	36.9668737729634	-101.9035244	251043.7698078756	438145.052	349.345966485258	3372.01412964853	3372.01412964853	3372.01412964853	20.97452503	21.53497083772345
93	360	265753	-310221.1413	1029337.3170250766	36.96689484472826	-101.9011807	251244.8375565251	438140.9088339	350.076745858207	3393.26120034643	3370.23824606993	3369.62016	23.08226632353122	23.342958751704304
94	360	265754	-309561.1413	1029337.3170250766	36.96691615	-101.8988369	251445.9048927168	438136.785165706	350.876575251006	3393.653439167165	3368.30472916622504	3367.81308327287	25.384072916622504	25.384072916622504
95	360	265755	-308901.1413	1029337.3170250766	36.9669373629955	-101.8964932	251646.9719802035	438132.62293423	350.958103381986	3393.31119693434	3366.38036045338	3365.9213738293684	27.33484481095965	28.23181861
96	360	265756	-308241.1413	1029337.3170250766	36.96695554341817	-101.894194	251848.0382270024	438128.40828192	352.0963151580384	3394.7511952421	3364.753139535964	3363.72749920287	30.004672016474615	30.004672016474615
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98	360	265758	-306921.1413	1029337.3170250766	36.96700074120383	-101.8894619	252250.1717718268	438120.195701313	352.901158723845	3394.02158723845	3362.308866219234	3358.521175367787	33.32329250416814	37.7199734696765
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102	360	265762	-304281.1413	1029337.3170250766	36.96708461160476	-101.8800698	253054.4473434544	438103.62936031	352.9207925467306	3398.832770372637	3358.0094933796645	3342.635551455797	49.8734743287232	56.2478625243951
103	360	265763	-303621.1413	1029337.3170250766	36.96710560122045	-101.8777413	253255.49963585152	438099.048983458	352.981671878447	3398.978611923434	3356.18762156389	3341.97382156389	51.4016819666884	51.4016819666884
104	360	265764	-302961.1413	1029337.3170250766	36.96712627422142	-101.8754994	253456.0175013107	438095.347603111	353.016005440276	3397.744899343253	3354.9214332756587	3341.97382156389	52.928746585451	52.928746585451
105	360	265765	-302301.1413	1029337.3170250766	36.967143899568	-101.8730556	253657.6239039505	438091.20707823	352.9738087481943	3397.0967848853	3355.076060606143	3343.941787760626	54.2021833470997	47.45582052790245
106	360	265766	-301641.1413	1029337.3170250766	36.9671677571975	-101.8707119	253858.6937272085	438087.06678695	352.81157023129663	3396.45681939635	3354.4620570107083	3341.528440580611	49.19916342885492	44.9280413150215
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109	360	265769	-299661.1413	1029337.3170250766	36.9672294516588	-101.8638086	254461.8853793198	438078.44733358	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	45.939590561695	45.939590561695
110	360	265770	-299001.1413	1029337.3170250766	36.96725017910375	-101.861388	254662.948622225	438075.50796118	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	47.3427268419389	47.3427268419389
111	360	265771	-298341.1413	1029337.3170250766	36.96727067129332	-101.858993	254864.0124537065	438068.36874458	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	48.4552368305688	48.4552368305688
112	360	265772	-297681.1413	1029337.3170250766	36.9672911820546	-101.8566493	255065.07092434	438062.22998347	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	49.9106217301477	49.9106217301477
113	360	265773	-297021.1413	1029337.3170250766	36.96731152	-101.8543055	255266.1379463558	438058.501357792	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	50.9386452721493	50.9386452721493
114	360	265774	-296361.1413	1029337.3170250766	36.96733187619724	-101.8519617	255467.2002551666	438053.95252789	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	51.69426910471706	51.69426910471706
115	360	265775	-295701.1413	1029337.3170250766	36.96735218776834	-101.8496179	255668.262474238	438049.841783331	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	52.721681769025	52.721681769025
116	360	265776	-295041.1413	1029337.3170250766	36.96737245307884	-101.8472742	255869.3244520512	438045.67	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	53.93412557649674	53.93412557649674
117	360	265777	-294381.1413	1029337.3170250766	36.96739285736132	-101.8449274	256069.38687458	438041.4849857	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	54.98374641460898	54.98374641460898
118	360	265778	-293721.1413	1029337.3170250766	36.9674124850906	-101.842586	256267.4477847028	438037.40166086	350.07471162144592	3394.5966263130426	3349.050325562391	3349.050325562391	55.20632916170235	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	SatHtKosKrg.ft	SatHtBoth.ft
200	360	265861	-238941.1413	1029337.3170250766	36.988929552705486	-01.6480488	27958.732685892	3497984.813	3510.983877390291	319.072043794922	3212.20675709511	3208.8139896194702	316.6852867	110.2580517455189
202	360	265862	-238281.1413	1029337.3170250766	36.98894542505251	-01.645705	273159.774696508	3519.307604945269	3519.307604945269	317.3063964834647	3210.8830617319692	3205.738553718623	107.0233371114055	112.1280431160244
203	360	265863	-237621.1413	1029337.3170250766	36.9889525918555	-01.645811	273560.614709184	3525.862637728393	3525.862637728393	316.739497404688	3209.696474	3205.717227630493	107.1330273687884	110.2717487763984
204	360	265864	-236961.1413	1029337.3170250766	36.98897532246294	-01.6410172	273156.858208245	3519782.460174785	3519.782460174785	320.7372203555756	3204.700023555756	3204.700023555756	109.194451748	110.8713121385018
205	360	265865	-236301.1413	1029337.3170250766	36.988994768195774	-01.6386733	273762.89963580493	3497678.343146707	3520.47161026751	331.4041818407645	3207.172709877048	3204.330485965386	107.22913196371655	110.0713585745097
206	360	265866	-235641.1413	1029337.3170250766	36.9901098864434	-01.6363294	273963.040746056	3519.276331665135	3519.276331665135	331.231027012862	3205.674069273815	3203.573683253295	107.3548014041	106.65734375965708
207	360	265867	-234981.1413	1029337.3170250766	36.99021740252316	-01.6339856	274164.881299348	3497670.109489319	3518.814770000000	331.025886155536	3204.51891577581	3199.60258737742	107.539457795852	112.4054971624222
208	360	265868	-234321.1413	1029337.3170250766	36.9904320435939	-01.6316417	274366.0223993895	3517.89622378979	3517.89622378979	331.0849917412345	3203.28798995067	319.658080628111	107.599681147856	112.5425921718337
209	360	265869	-233661.1413	1029337.3170250766	36.9905625918555	-01.6289783	274567.062742925	35197651.877491324	3519.7651877491324	330.714585702883	3202.1485117795065	319.1264344711287	107.56138115837393	110.5716584667512
210	360	265870	-233001.1413	1029337.3170250766	36.9907525873084	-01.6265838	274768.1026455096	3497657.761664578	3518.529430257277	330.8258139737903	3200.8529437349653	318.894382009799	107.6157474	116.8883653599123
211	360	265871	-232341.1413	1029337.3170250766	36.99090123295194	-01.62481	274969.1426645264	3517.64291456644	3517.64291456644	330.7346571106926	319.751235	318.93130129979445	107.59533801645239	118.0452731124609
212	360	265872	-231681.1413	1029337.3170250766	36.99107151978566	-01.622661	275170.1827403892	3497649.503715545	3519.450420651034	330.6162716588496	319.55253342289	319.0071726373657	107.6101832462068	116.14499020112999
213	360	265873	-231021.1413	1029337.3170250766	36.991230680976	-01.6199223	275371.222000411	3497645.41593248	3521.8468598362	330.4796803632406	319.7338800742188	319.1602733547702	107.6380032105245	114.8139758052334
214	360	265874	-230361.1413	1029337.3170250766	36.9913864102365	-01.6175784	275572.261636665	3497641.300705751	3523.943761700221	330.789381079421	319.6039213688272	319.03636322573	107.7501673114937	113.9367174848423
215	360	265875	-229701.1413	1029337.3170250766	36.9915484	-01.6152345	275737.3007521515	3497637.186033048	3523.836971065522	330.210502246549	319.6852716975858	318.9316236979222	107.91622605975222	113.9367174848423
216	360	265876	-229041.1413	1029337.3170250766	36.99170375101964	-01.6128986	275974.3396470001	3497633.071633132	3521.513984073857	330.471309026573	319.04781007608	318.9569404224823	107.9332005050477	111.8439507017506
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218	360	265878	-227721.1413	1029337.3170250766	36.9920171477909	-01.6082028	276376.417755632	3497624.843503621	3516.868010092663	329.9032185960043	319.017400854003	318.672726801937	107.9280100580171	111.915095050571
219	360	265879	-227061.1413	1029337.3170250766	36.9921731699292	-01.6058589	276577.55500992663	3497620.72970061	3516.625721918905	329.8374534	318.863565162834	318.651600137508	107.9487725459367	111.9313282373234
220	360	265880	-226401.1413	1029337.3170250766	36.9923287372754	-01.603515	276778.4930243804	3516.2464130359394	329.670870378607	318.765523695023	318.5436727308	318.46346728308	107.99035346531484	111.2362455052023
221	360	265881	-225741.1413	1029337.3170250766	36.99248385180915	-01.6011711	276979.5308192537	3497612.503067059	3510.30253957899	329.5487340458006	318.5005216148613	318.35253299992	107.91282179887732	111.991715837787
222	360	265882	-225081.1413	1029337.3170250766	36.9926535135304	-01.5988272	277190.568347484	3497608.30067095	3508.1409467740384	329.29443470384	318.175096851448	318.162739712576	111.423747236957	111.5166540546534
223	360	265883	-224421.1413	1029337.3170250766	36.9928237048003	-01.596419	277394.7523213516	3497604.27728363	3508.0427328363	329.0427328363	317.98238168888	318.062418714295	107.725363069498	112.27257019716
224	360	265884	-223761.1413	1029337.3170250766	36.9929454785337	-01.5941394	277582.842884348	3497600.16743153	3504.09565202683	329.1019056354772	318.1571576627334	318.0034601418964	110.3337765304484	111.564915161036
225	360	265885	-223101.1413	1029337.3170250766	36.993097876155	-01.5917955	277783.6780070379	3497595.43247965	3502.121006424062	329.0714222495785	318.1247358976271	317.9790277893665	107.9467063237076	111.1694132129239
226	360	265886	-222441.1413	1029337.3170250766	36.993256322831	-01.5894516	277984.7166070886	3497591.940367148	3500.1453476452616	328.921449	318.01034025516	317.7325545331297	107.110490905403	112.1959035842023
227	360	265887	-221781.1413	1029337.3170250766	36.993405029365	-01.5871077	278185.75288798	3497587.82381698	3497.5877443758	328.834155630392	318.0186761689204	317.5126647595363	107.151653873876	113.21719808348923
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229	360	265889	-220461.1413	1029337.3170250766	36.993709486003	-01.5824198	278587.8252979955	3497582.96562411	3494.0416782625	328.615214232417	317.9023630694813	317.658241157163	107.7253630694813	115.818745474088
230	360	265890	-219801.1413	1029337.3170250766	36.9938512506007	-01.580076	278784.961125113	3497581.40432487	3494.08100827922	328.698865410666	317.7134750519338	317.38093233909	107.7639314913303	120.5717543077307
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233	360	265893	-217821.1413	1029337.3170250766	36.994309967452	-01.5730443	279391.9673054763	3497563.16245309	3480.26432570693	328.156727066312	317.31984616351874	314.8791034717572	107.368815431224	113.6564827487457
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237	360	265897	-215181.1413	1029337.3170250766	36.9949041016314	-01.5636868	280166.10584228113	3497546.723080748	3473.81723140495	327.69091058358	316.40563696171	314.48490405237943	107.6633781920721	128.578302818538
238	360	265898	-214521.1413	1029337.3170250766	36.9950515813026	-01.5613247	280397.139350389	3497542.61306218	3484.621588223635	327.5751040989367	317.3235514278304	314.877728128972	107.5938535618534	127.140126961015
239	360	265899	-213861.1413	1029337.3170250766	36.9951984821716	-01.5589808	280598.1783134693	3497540.50240619	3482.675559813248	317.54107881116	316.304774265525	314.6630471369032	107.446635231865	128.1209314883872
240	360	265900	-213201.1413	1029337.3170250766	36.9953449937452	-01.5566369	280799.2074754656	3497539.364202051	3487.688215523407	327.57313710757213	316.387401811374	314.46169721408706	107.4619132643473	127.10419566077042
241	360	265901	-212541.1413	1029337.3170250766	36.9954901514044	-01.554293	281000.2409	3497530.287	3485.73692234645	327.3723674661684	316.2482891555162	314.4617130454676	107.8478731	126.1995420700782
242	360	265902	-211881.1413	1029337.3170250766	36.99563537	-01.5519491	281201.241525264	3497526.719	3485.00479444444	327.16744138354	316.2379819481343	314.52651205366361	107.8676719	125.643001990231
243	360	265903	-211221.1413	1029337.3170250766	36.995782343526	-01.549619	281402.107320281	3497522.97307281	3484.0416782625	327.0416782625	316.054338216148657	314.48490405237943	107.7253630694813	122.7257019716
244	360	265904	-210561.1413	1029337.3170250766	36.9959256502043	-01.5472612	281603.339704916	3497517.93225242	3483.008071944444	326.8705747021417	316.1733117813877	314.4617130454676	107.8478731	126.1995420700782
245	360	265905	-209901.1413	1029337.3170250766	36.9960									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtLog.f	SatHtBoth.f
329	360	265987	-155781.1413	1029337.3170250766	39.700653803712295	-101.352713	298288.3341739301	4397177.828858453	5342.5194426072547	313.3438653817463	3067.820739887107	3067.240717184902	60.57191369463945	67.0979423984425
329	360	265988	-155721.1413	1029337.3170250766	39.70064647	-101.350381	298489.34562937504	4397173.74084704	5334.49029580003	3132.4678426293092	3068.70768278970917	3067.7896278970917	63.67814183221753	64.67814183221753
329	360	265989	-154661.1413	1029337.3170250766	39.7006570063969	-101.348025	298690.3649	4397165.1300334625	5338.478617067051	3131.803689161813	3068.0752832748083	3067.52832748083	61.8213225473776304	62.8213225473776304
330	360	265990	-153801.1413	1029337.3170250766	39.7006766647471	-101.353681	29881.300205523	4397165.50504113	5318.458240605499	3138.723666865459	3068.754452	3067.007758012033	59.98921448813023	61.73605028673626
331	360	265991	-153141.1413	1029337.3170250766	39.7006781968362	-101.343337	299002.395026218	4397161.477527321	5317.0892285146224	3126.9047552775824	3067.943989826457	3065.88140734761	58.83035629	61.0234744282143
332	360	265992	-152481.1413	1029337.3170250766	39.700678881905966	-101.340931	299293.0497040808	4397162.7330228	5322.377128148132	3116.004117216181	3066.5471262698406	3064.019392296479	58.4969004634043	61.0747291770204
333	360	265993	-151821.1413	1029337.3170250766	39.70068912169157	-101.338649	299494.4242316055	4397163.2335309	5327.6541370822722	3123.3086262002084	3065.3313953013036	3061.5514783718784	57.78951162078101	61.769187218906154
334	360	265994	-151161.1413	1029337.3170250766	39.700709516193005	-101.336305	299696.4386417647	4397163.266674465	5332.936368147	3121.5963867473265	3063.513913868725	3068.921652	58.2770248866009	62.6774272250276
335	360	265995	-150501.1413	1029337.3170250766	39.70071965410484	-101.333811	299896.4556559946	4397165.1300334625	5338.468987250615	3131.803689161813	3068.0752832748083	3067.52832748083	59.98921448813023	61.73605028673626
336	360	265996	-149841.1413	1029337.3170250766	39.7007301693483	-101.331671	30007.466571753	4397161.477527321	5333.25593	3118.22026531721	3058.293527755974	3062.3852755974	60.043653911302	65.4576675
337	360	265997	-149181.1413	1029337.3170250766	39.7007404795928	-101.329273	300288.408928938	4397163.266674465	5335.03296657414	3116.7922059332184814	3055.7148991697577	3061.0721673	61.91587843643693	
338	360	265998	-148521.1413	1029337.3170250766	39.70075041358006	-101.326921	300499.483529533	4397162.7330228	5337.105340048912	3115.318090457205	3053.26680720439	3044.8497875893464	60.4721737367601	70.4683018678537
339	360	265999	-147861.1413	1029337.3170250766	39.70076080438826	-101.324582	30070.50715838873	4397163.266674465	5338.865480712986	3113.9352628697304	3050.91564462014	3041.06853	62.98830640775623	72.83542265191045
340	360	266000	-147201.1413	1029337.3170250766	39.7007709323548	-101.322242	30090.520957274	4397164.70078089	5329.139620233303	3112.547040450414	3048.674209	3037.3996813633603	63.8728118325376	75.14735908174362
341	360	266001	-146541.1413	1029337.3170250766	39.700780109747935	-101.319872	301102.533835305	4397162.015739825	5325.518655789518	3112.7479355701903	3045.572892504747	3045.591911903506	65.6794282	77.1384267
342	360	266002	-145881.1413	1029337.3170250766	39.70079014917616	-101.317532	301303.545962681	4397165.1300334625	5331.84707003317	3110.00038220799	3043.46059866919	3031.084251518125	65.5304135417996	78.91521307
343	360	266003	-145221.1413	1029337.3170250766	39.700801028920104	-101.315092	301504.55853978335	4397164.46179072	5317.181731564533	3108.7945544803914	3045.43606274005	3029.380436330405	67.3404421638655	79.4141174708964
344	360	266004	-144561.1413	1029337.3170250766	39.70081005797975	-101.312852	301705.570899081	4397108.362	5311.53165023715	3107.8219771743145	3040.277499704516	3029.81703782495	73.4744774668263	77.8408739181951
345	360	266005	-143901.1413	1029337.3170250766	39.7008206669518	-101.310521	301906.583064382	4397104.27532418	5305.8473581381768	3037.845898959572	3028.51438955304	3028.627717424281	77.9593028287337	77.9593028287337
346	360	266006	-143241.1413	1029337.3170250766	39.70083071804629	-101.308172	302107.59653587894	439710.193991377	5300.232260273238	3105.243713985217	3036.0418666683277	3030.18652137019404	77.263151208718	78.91521307
347	360	266007	-142581.1413	1029337.3170250766	39.70084052385303	-101.305832	302308.0681873224	439709.19682857	5296.5962374568385	3104.122363137624	3034.094260435242	3031.089867228548	77.3913899126406	77.3913899126406
348	360	266008	-141921.1413	1029337.3170250766	39.70085043437542	-101.303489	302508.618396271	4397092.2658198	5294.877239171718	3103.111746145242	3032.35016145242	3025.568680424266	70.760631776075	75.5424472877631
349	360	266009	-141261.1413	1029337.3170250766	39.70086173400691	-101.301143	302709.627895206	4397092.2658198	5292.92819407266	3102.345948924417	3030.52416253883	3024.7804562713394	72.02135078894	72.02135078894
350	360	266010	-140601.1413	1029337.3170250766	39.70086956957155	-101.298912	302911.640879916	4397083.86	5292.02770271658	3100.903879118133	3028.800041546077	3022.492915492439	72.0958752570553	73.995391937446
351	360	266011	-139941.1413	1029337.3170250766	39.7008792423641	-101.296452	303112.6519935812	4397077.278658	5288.681105967076	3099.80424963518	3027.269567964863	3020.6998061501	72.843681033153	79.1051632470169
352	360	266012	-139281.1413	1029337.3170250766	39.7008887362124	-101.294113	303313.626806085	4397075.67426841	5284.7225117639564	3098.70393602907	3025.7438473729912	3018.8741682282316	72.9614622995161	79.8292537467524
353	360	266013	-138621.1413	1029337.3170250766	39.70088877621262	-101.291762	303514.6734	4397071.61240789	5282.763917561757	3097.60668349951	3023.749651888437	3016.845448842207	73.851031310733	80.6540945
354	360	266014	-137961.1413	1029337.3170250766	39.7009078965375	-101.2894252	303715.683558016	4397067.530308473	5276.80523730396	3096.49277448801	3021.685152660387	3014.886089532744	74.8075248276328	81.6065879347258
355	360	266015	-137301.1413	1029337.3170250766	39.7009173400691	-101.287017	303916.68494978	4397063.54884978	5272.05824989177	3095.37458924417	3020.57458924417	3012.434962727312	75.88061624063296	82.67742787631
356	360	266016	-136641.1413	1029337.3170250766	39.70092738115964	-101.284732	304117.0473712185	4397059.147	5269.50471	3094.245251312947	3019.807597524391	3009.807597524391	76.8039852349609	83.9039852349609
357	360	266017	-135981.1413	1029337.3170250766	39.70093691278415	-101.282392	304318.173990528	4397055.2843497	5260.965013108763	3093.092318094765	3015.2947622204974	3015.112466672805	77.7975558742675	86.9771334408318
358	360	266018	-135321.1413	1029337.3170250766	39.70094538956314	-101.280049	304519.723652074	4397051.24027958	5255.420653910866	3091.91582405507	3013.532665282453	3010.429163035003	78.805547726135	90.4866370200681
359	360	266019	-134661.1413	1029337.3170250766	39.70095646134969	-101.277705	304720.731233717	4397047.123351882	5248.14268172737	3089.14184212336672	3013.036717605348	3009.058311453604	77.6789945304929	96.6554005
360	360	266020	-134001.1413	1029337.3170250766	39.700963878458474	-101.275361	304921.742403213	4397043.02611551	5242.04605700637	3089.483784860263	3013.278139950521	3008.445448842207	76.2054605989549	105.2404133834169
361	360	266021	-133341.1413	1029337.3170250766	39.70097350022568	-101.273071	305122.751492566	4397038.2602485	5234.97127229956	3088.2234045854034	3013.5888949360574	3007.48422918187	74.8345095843483	113.7421809866174
362	360	266022	-132681.1413	1029337.3170250766	39.700982176822226	-101.270741	305323.763913365	4397034.98181414	5232.05824989177	3086.324594924417	3012.892117445453	3007.48422918187	74.8345095843483	120.226534363038
363	360	266023	-132021.1413	1029337.3170250766	39.7009912807666	-101.268329	305524.7690975405	4397030.01992387	5228.923243712254	3085.09434370552	3014.2477574313402	3006.77690491817	75.1616853921163	120.8333427871056
364	360	266024	-131361.1413	1029337.3170250766	39.70100029404739	-101.265981	305725.7776181134	4397026.72236577	5222.04605700637	3084.25140306647	3014.582161809652	3006.9228150043186	69.6932623568247	116.3296150239057
365	360	266025	-130701.1413	1029337.3170250766	39.70100928437529	-101.263641	305926.78665906	4397022.64714379	5217.1598248514557	3082.855389203722	3010.007232383847	3007.133535431566	67.6476559088738	109.7418536056929
366	360	266026	-130041.1413	1029337.3170250766	39.701018230134295	-101.261297	306170.749085397	4397018.56432786	5212.375073823466	3081.4184212336672	3010.96439031274	3007.854841935712	66.5882119032357	102.575304009554
367	360	266027	-129381.1413	1029337.3170250766	39.70102713	-101.258931	306328.802403727	4397018.443830778	5212.5987482122525	3079.937848348083	3010.549253215059	3008.768407615727	64.6580113302414	94.1714736
368	360	266028	-128721.1413	1029337.3170250766	39.70103559	-101.256609	306529.8097947627	4397012.45853028	5218.33601678442	3078.415165519265	3010.563290724504	3009.51024877685	62.84753858	88.1964415417599
369	360	266029	-128061.1413	1029337.3170250766	39.70104532969	-101.254317	306730.819532969	4397008.38181414	5216.9284240481943	3077.424594924417	3010.424594924417	3007.48422918187	74.8345095843483	95.0849786816897
370	360	266030	-127401.1413	1029337.3170250766	39.7010538919225	-101.251921	306932.474279631	4397002.48080723	5212.215585429068	3075.217880394703	3010.831369609385	3007.935461	58.3865107448745	77.2824184
371	360	266031	-126741.1413	1029337.3170250766	39.70106227786859	-101.249577	30							

ix	iy	ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	UTM-Z	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	AttkHLogKrg.ft	SatHBothKrg.ft
434	360	266113	-72621.14133	1029337.3170250766	39.701623182539225	-101.0573663	323614.799649452205	3496664.5586908954	3057.4451836989966	2977.803930486877	2911.400098	2911.7239929209504	64.3038386507721	66.0799421299666		
454	360	266114	-71961.14133	1029337.3170250766	39.70162608688157	-101.0550222	323815.79194516086	30660.499466011	3058.22775341764	2976.56594842424	2911.0725767004745	65.7699529131697	65.4934178767932			
455	360	266115	-73101.14133	1029337.3170250766	39.7016303056767	-101.0526782	324016.79403347096	306632.969168686	3047.5164653269254	2975.216786205213	2910.10084042741	2910.459816505144	64.8561639736878			
456	360	266116	-70441.14133	1029337.3170250766	39.7016378355912	-101.0503341	324127.7759445861	3066.036180516921	3056.936105881067	2974.056948047524	2909.68407708131	2909.68407708131	64.7329057639302	64.0917366050631		
457	360	266117	-69981.14133	1029337.3170250766	39.7016406799077	-101.0479901	324418.767685927	306648.32495151	3055.81535127044	2972.7874816733	2909.45607381695	2909.69652756286	63.3127500147839	63.0907515600474		
458	360	266118	-69321.14133	1029337.3170250766	39.70164477138934	-101.045646	324619.75925648864	306647.2617119224	3054.694595333076	2971.505411708603	2908.9937948598328	2902.20342100449	62.511648877031	62.30217501008086		
459	360	266119	-68601.14133	1029337.3170250766	39.70165221100354	-101.043302	324820.7580	306640.209516714	3052.8104331603	2970.2910818	2906.8211736014246	2907.089187	64.3429048776856	63.1226810873691		
460	360	266120	-68001.14133	1029337.3170250766	39.70165689957985	-101.0409579	325021.71419862143	306636.152105844	3050.126293513404	2968.89636236612	2904.352141451956	2904.69183725995	64.5322699441625	64.20527851061661		
461	360	266121	-67341.14133	1029337.3170250766	39.7016615478021	-101.0386138	325222.7330459768	306632.969168686	3047.5164653269254	2975.216786205213	2910.10084042741	2910.459816505144	65.50163722	64.8561639736878		
462	360	266122	-66681.14133	1029337.3170250766	39.7016661407455	-101.0362698	325423.7233565724	306620.28	3044.86718437007	2966.1917845039056	2909.957384986117	2900.426534074416	65.231945704389	65.7955530846397		
463	360	266123	-66021.14133	1029337.3170250766	39.7017068359313	-101.0339258	325624.7146557555	306623.981447389	3042.806435331587	2964.8043504151	2908.0726933413443	2908.51852834103	63.73214170002674	62.6823067040477		
464	360	266124	-65361.14133	1029337.3170250766	39.70167501025694	-101.0315817	325825.705206379	306619.825010133	3041.337913366014	2963.7259838929	2906.425269133974	2906.60326988105	65.972322593175	66.56932804115269		
465	360	266125	-64701.14133	1029337.3170250766	39.7017966317223	-101.0292377	326026.69585773603	306619.825010133	3041.337913366014	2963.7259838929	2906.425269133974	2906.60326988105	65.972322593175	66.56932804115269		
466	360	266126	-64041.14133	1029337.3170250766	39.7018406003284	-101.0268396	326227.68800301	306611.81230911	3038.020773865265	2960.380409265367	2903.5910092520157	2903.7892505909704	66.7770316452021	66.579153452		
467	360	266127	-63381.14133	1029337.3170250766	39.7018845167045	-101.024549	326428.6748343945	306607.71701313	3036.021162711419	2958.781037378546	2902.405174418109	2902.732948484727	66.7366296046392	66.4998099801934		
468	360	266128	-62721.14133	1029337.3170250766	39.70192737789805	-101.022205	326629.6657182574	306603.701597311	3032.744653300712	2957.12912896995	2901.413087290308	2901.401228181655	65.7154415609144	65.7270067		
469	360	266129	-62061.14133	1029337.3170250766	39.7019705888071	-101.0198614	326830.554246036	306599.646255985	3029.46779900146	2955.40568789328	2900.914501944352	2900.793650896913	64.6759674496739	64.6120291803723		
470	360	266130	-61401.14133	1029337.3170250766	39.701702461533	-101.0175174	327031.6446627116	306595.051286004	3026.191076230174	2954.303968817286	2900.41862703351	2900.406085338634	63.1885341783772	63.14319034786513		
471	360	266131	-60741.14133	1029337.3170250766	39.7017054804594	-101.0151733	327232.63432378864	306591.53648032	3021.326711686002	2951.717005	2889.89856022633	2889.877916183141	61.8190198371259	61.7398868		
472	360	266132	-60081.14133	1029337.3170250766	39.70170963019052	-101.0128293	327433.6235303537	306587.481106802	3014.874891166092	2949.7404847652497	2889.067219409998	2889.134397392415	60.605487372008156	60.5487372008156		
473	360	266133	-59421.14133	1029337.3170250766	39.70171370049005	-101.0104852	327634.6125696723	306587.481106802	3014.874891166092	2949.7404847652497	2889.067219409998	2889.134397392415	59.88522831207183	59.87403981759034		
474	360	266134	-58761.14133	1029337.3170250766	39.7017178425161	-101.0081412	327835.614	306575.93475	3010.9760510263	2945.4974635354025	2885.9836787859	2885.930493772026	59.569565945359	59.569565945359		
475	360	266135	-58101.14133	1029337.3170250766	39.7017297339835	-101.0057971	328036.580139025	306563.198543438	3008.219843454233	2942.7540924701267	2885.45827317893	2885.45827317893	59.4697746968982	59.4697746968982		
476	360	266136	-57441.14133	1029337.3170250766	39.7017257590846	-101.003452	328237.578699141	306557.255397015	3008.9952756957	2940.854511158223	2882.0030077	2881.77747088725	58.851434120028	59.0767846740978		
477	360	266137	-56781.14133	1029337.3170250766	39.70172967622804	-101.001109	328438.5670313047	306551.21259952	3008.9952756957	2940.854511158223	2882.0030077	2881.77747088725	58.851434120028	59.0767846740978		
478	360	266138	-56121.14133	1029337.3170250766	39.70173375	-100.9967469	328635.5525357578	306553.198543438	3006.996716230637	2935.84643368894	2900.83433914304	2900.7890194679716	55.0120997476513	55.0484121419643		
479	360	266139	-55461.14133	1029337.3170250766	39.70173731893286	-100.9946209	328820.5840343	306550.16407556	3003.206179576156	2938.7671907018325	2979.821495641374	2979.821495641374	53.4534272578026	53.3991220934731		
480	360	266140	-54801.14133	1029337.3170250766	39.7017411649405	-100.9940768	329041.53113607306	306550.16407556	2992.425140963275	2930.52130148013	2878.549652813888	2878.61323	53.4534272578026	53.3991220934731		
481	360	266141	-54141.14133	1029337.3170250766	39.70174486919824	-100.9917284	329245.51883716874	306551.21259952	2992.425140963275	2930.52130148013	2878.549652813888	2878.61323	53.4534272578026	53.3991220934731		
482	360	266142	-53481.14133	1029337.3170250766	39.7017481039835	-100.989387	329443.5063752761	306551.21259952	2992.425140963275	2930.52130148013	2878.549652813888	2878.61323	53.4534272578026	53.3991220934731		
483	360	266143	-52821.14133	1029337.3170250766	39.7017523790116	-100.9870468	329644.49742727796	306552.489695156	2990.404785901965	2922.03958052636	2874.789318207882	2874.456743115153	47.61102623	47.5829374112064		
484	360	266144	-52161.14133	1029337.3170250766	39.7017558391287	-100.9847006	329845.4806470125	306553.845179361	2978.766378095975	2919.1167344581213	2873.7831361987	2873.4234247529	45.378120916234	45.28421210592164		
485	360	266145	-51501.14133	1029337.3170250766	39.7017593603844	-100.9823565	330046.4679859783	306554.793627416	2977.1235698709	2917.520373745293	2872.81311582066	2871.3381147184355	44.0665723694325	44.18262656093826		
486	360	266146	-50841.14133	1029337.3170250766	39.70176290177894	-100.9800125	330247.4546603152	306550.16407556	2975.49650118613984	2915.910256173987	2871.46028474194336	2869.589305924626	43.57174365396	43.22750452617175		
487	360	266147	-50181.14133	1029337.3170250766	39.7017663703122	-100.9778884	330448.44156991784	306556.291224695	2974.444794382506	2914.275170405022	2867.348012716296	2867.67289188955	43.5727811339237	43.6022785155068		
488	360	266148	-49521.14133	1029337.3170250766	39.7017697339835	-100.975344	330649.4281414921	306552.489695156	2972.744787474111	2912.6120859402287	2865.45827317893	2865.45827317893	43.5727811339237	43.6022785155068		
489	360	266149	-48861.14133	1029337.3170250766	39.70177352789434	-100.9729083	330850.41459574404	306558.58975028	2970.511027365042	2910.820807130505	2868.0451752833	2868.0451752833	43.5727811339237	43.6022785155068		
490	360	266150	-48201.14133	1029337.3170250766	39.7017769847295	-100.9706362	331051.400712329	306554.793627416	2973.04756684867	2909.222540523659	2866.925935	2869.45494988753	42.996095529339	42.97299503490576		
491	360	266151	-47541.14133	1029337.3170250766	39.7017978358299	-100.9682922	331252.386761153	306550.16407556	2970.47678398029	2865.95403456048074	2865.95403456048074	2865.95403456048074	42.996095529339	42.97299503490576		
492	360	266152	-46881.14133	1029337.3170250766	39.7017830305554	-100.9659481	331453.37265143336	306549.64294766	2965.601428028696	2904.709542471397	2848.861405648917	2848.861405648917	41.0468511374487	41.0468511374487		
493	360	266153	-46221.14133	1029337.3170250766	39.70178621714195	-100.9636041	331654.358396612	306549.64294766	2960.796078271	2900.50058935584	2883.404390016068	2883.404390016068	40.562295351454	40.562295351454		
494	360	266154	-45561.14133	1029337.3170250766	39.7017893699213	-100.96126	331855.34341894	306540.340150655	2955.995074143553	2902.2304645487883	2881.88964119023	2881.88964119023	40.340862458553	40.340862458553		
495	360	266155	-44901.14133	1029337.3170250766	39.701792939835	-100.9589138	332056.329241044	306540.340150655	2953.9427407211	2900.50058935584	2883.404390016068	2883.404390016068	40.340862458553	40.340862458553		
496	360	266156	-44241.1													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatThLogs.ft	SatThBoth.ft
579	360	266239	10538.85867303351	1029337.3170250766	-70.0189149682002	-70.7620144	448938.5419240683	436154.9854145526	2844.3843539946674	2724.405455149812	2747.0385127122822	2747.1524343561505	0	0
580	360	266240	11158.85867303351	1029337.3170250766	-70.01890751045205	-70.7596703	3491.915423206542	436150.95552402	2847.894086967447	2727.7448824335526	2748.058803354674	2748.455393950624	0	0
581	360	266241	11858.85867303351	1029337.3170250766	-70.018896396939	-70.7573319	4063.4096766834	436145.92666538	2851.403819978622	2712.21332628021557	2746.89855667583	2746.89855667583	0	0
582	360	266242	12518.85867303351	1029337.3170250766	-70.01889123634606	-70.7549282	4694.145837615815	436142.8790720115	2854.91325970989	2719.6613627858	2742.32544378672	2742.603801456706	0	0
583	360	266243	13178.85867303351	1029337.3170250766	-70.0188824200454	-70.7526381	3497.24302367137	436138.868685252	2855.46813321285	2718.14241	2738.57573906702	2738.7450127133966	0	0
584	360	266244	13838.85867303351	1029337.3170250766	-70.018873017837	-70.7502941	3499.4014043471	436134.84282844	2853.067561	2716.656713010569	2735.1599253364398	2735.4469290816746	0	0
585	360	266245	14498.85867303351	1029337.3170250766	-70.0188634287539	-70.74795	3501.44373505603	436130.811951787	2850.66868288675	2715.207437714392	2732.454983954666	2732.728560250313	0	0
586	360	266246	15158.85867303351	1029337.3170250766	-70.0188532538231	-70.7456509	3503.45426362467	436126.784	2848.266416	2713.769219645453	2730.263721618115	2730.520413178394	0	0
587	360	266247	15818.85867303351	1029337.3170250766	-70.018842662083	-70.7433619	3505.4962986954	436122.75384881	2846.923041591782	2712.420122665323	2728.445552389191	2728.761381687315	0	0
588	360	266248	16478.85867303351	1029337.3170250766	-70.0188315453643	-70.7409178	3507.47287430371	436118.72834071	2846.6267556117543	2711.081173540502	2727.1192160587057	2727.703131954443	0	0
589	360	266249	17138.85867303351	1029337.3170250766	-70.0188200118421	-70.7385737	3509.482584251593	436114.70042857	2845.377189631794	2709.77406573672	2726.491028334374	2726.693711608	0	0
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591	360	266251	18458.85867303351	1029337.3170250766	-70.0187955862056	-70.7338856	351350.2	436106.64826955	2841.05564746013	2707.2666466296007	2727.091699341468	2727.589671577443	0	0
592	360	266252	19118.85867303351	1029337.3170250766	-70.0187826940395	-70.7315415	351551.70	436102.620120583	2831.356381001713	2706.0540883921403	2726.6483531411535	2727.710224639583	0	0
593	360	266253	19778.85867303351	1029337.3170250766	-70.0187694911716	-70.7291975	351752.140854529	436098.593643196	2821.660797257414	2704.865408964184	2726.5357374961623	2730.54135128394	0	0
594	360	266254	20438.85867303351	1029337.3170250766	-70.018755511270	-70.7268534	351963.11122154	436094.567387473	2811.9650213513114	2703.6906963461746	2723.339278270943	2732.598686357052	0	0
595	360	266255	21098.85867303351	1029337.3170250766	-70.01874130057305	-70.7245093	352154.0183328384	436090.51383409	2802.50091639973	2702.5439911694393	2723.55890820577	2733.083523	0	0
596	360	266256	21758.85867303351	1029337.3170250766	-70.0187265970058	-70.7221653	352355.0513	436086.51600997	2793.29530582727	2701.4034252532515	2728.401228026208	2728.864761398647	0	0
597	360	266257	22418.85867303351	1029337.3170250766	-70.018701414	-70.7198212	352556.021881897	436082.490502255	2784.080739528481	2700.269534078467	2720.396257401603	2720.622885419034	0	0
598	360	266258	23078.85867303351	1029337.3170250766	-70.0186958312808	-70.7174771	352756.99093837	436078.46473101	2774.8661584742354	2699.138176515492	2712.141300751811	2712.51057619864	0	0
599	360	266259	23738.85867303351	1029337.3170250766	-70.0186797691233	-70.7151331	352957.9604570963	436074.439634579	2764.81246306357	2698.0088011007305	2705.6702394887355	2705.548861297405	0	0
600	360	266260	24398.85867303351	1029337.3170250766	-70.0186625410236	-70.712789	353158.928878039	436070.74147682	2753.91965452468	2696.8733720026345	2701.0299369138844	2700.995972387067	0	0
601	360	266261	25058.85867303351	1029337.3170250766	-70.0186459628179	-70.7104869	353360.890163284	436066.890163284	2743.788924821497	2695.738924821497	2695.738924821497	2695.738924821497	0	0
602	360	266262	25718.85867303351	1029337.3170250766	-70.0186299547026	-70.708109	353560.882989553	436062.365770985	2732.134037551293	2694.592331695808	2695.5032939416538	2695.6532919551034	0	0
603	360	266263	26378.85867303351	1029337.3170250766	-70.0186109918555	-70.7057568	353761.8372976708	436058.341609597	2726.07955578224	2693.423167844387	2693.1497551321436	2693.584176843487	0.2256165250490085	1.277406450102717
604	360	266264	27038.85867303351	1029337.3170250766	-70.018592653853	-70.7034127	353962.806157285	436054.317800212	2724.864513210508	2692.2864201328	2690.528460360483	2691.0089947530255	1.719408426449545	1.277406450102717
605	360	266265	27698.85867303351	1029337.3170250766	-70.01857388604786	-70.7010687	354163.778733625	436050.3999043721	2723.646999043721	2691.12289	2687.503521731753	2688.151837484968	3.619396472649516	2.9710521897022772
606	360	266266	28358.85867303351	1029337.3170250766	-70.0185546538472	-70.6987246	354364.7435078075	436046.27051371	2722.43368577033	2689.949672718537	2684.0935697770956	2684.3747694941077	5.856397447581005	5.215198227459865
607	360	266267	29018.85867303351	1029337.3170250766	-70.0185359472865	-70.6964869	354565.7118981862	436042.27298987	2720.434529178438	2688.7674589716573	2680.89019850713	2680.89019850713	8.489673947	7.871382846989235
608	360	266268	29678.85867303351	1029337.3170250766	-70.0185148305954	-70.6940325	354766.6801857916	436038.254771185	2718.6447918980044	2687.538924821497	2676.953531220296	2676.953531220296	10.100897760394764	10.16321310393874
609	360	266269	30338.85867303351	1029337.3170250766	-70.01849424006966	-70.6916924	354967.6483437949	436034.21050849	2718.396046475525	2686.3742167629384	2674.86071541457	2673.934395905858	12.301304482778	12.43926857082667
610	360	266270	30998.85867303351	1029337.3170250766	-70.018473017837	-70.6893484	355168.6163624075	436030.17896591	2717.047105737425	2685.156671383653	2676.0576209282394	2675.886457196456	15.99530460125909	9.249927566971919
611	360	266271	31658.85867303351	1029337.3170250766	-70.0184516998892	-70.6870043	355369.584218318	436026.15665809	2716.04884270667	2683.942590712767	2685.83612088884	2685.967188048744	0	0
612	360	266272	32318.85867303351	1029337.3170250766	-70.0184327505193	-70.6846602	355570.1581827614	436022.134579707	2715.95176752672	2682.6790990602335	2701.62813428735	2702.457405929032	0	0
613	360	266273	32978.85867303351	1029337.3170250766	-70.0184104827778	-70.6823216	355771.5195834959	436018.171234008	2714.798847237676	2681.421810518259	2720.210667283176	2720.210667283176	0	0
614	360	266274	33638.85867303351	1029337.3170250766	-70.0183948437138	-70.6798721	355972.4870470596	436014.191191798	2713.645529717438	2680.152977708164	2728.27232789581	2728.27232789581	0	0
615	360	266275	34298.85867303351	1029337.3170250766	-70.0183612	-70.677628	356175.514534717832	436010.06937017	2712.1961274778575	2678.87350740007	2719.708270335123	2719.708270335123	0	0
616	360	266276	34958.85867303351	1029337.3170250766	-70.018334243758	-70.675284	356374.421558356	436006.04858816	2710.9540435162535	2677.5844384710235	2712.2996173632294	2712.5830216530208	0	0
617	360	266277	35618.85867303351	1029337.3170250766	-70.0183132	-70.6729399	356575.388660959	436002.027666027	2710.774955546314	2676.286385650765	2707.207861847616	2707.12858644028	0	0
618	360	266278	36278.85867303351	1029337.3170250766	-70.01828854412746	-70.6705958	356776.3555	435998.006977695	2710.795076	2674.9809	2703.321265232854	2702.923455396493	0	0
619	360	266279	36938.85867303351	1029337.3170250766	-70.0182634247094	-70.6682518	356977.322212279	435993.98520808	2710.9329383212	2673.6607730743014	2699.549234377447	2699.292433721136	0	0
620	360	266280	37598.85867303351	1029337.3170250766	-70.018243742778	-70.6659077	357178.2889274134	435989.36526359	2710.724327529	2672.34734700717	2696.14345291182	2695.6953820884	0	0
621	360	266281	38258.85867303351	1029337.3170250766	-70.01821627285	-70.6634891	357389.343011341	435985.4301341	2710.42324230195	2671.02324230195	2695.738924821497	2695.738924821497	0	0
622	360	266282	38918.85867303351	1029337.3170250766	-70.01818534527966	-70.6611296	357580.2217880945	435981.92633739	2710.717256159202	2669.65438304076	2687.2764314374	2688.118724201984	0	0
623	360	266283	39578.85867303351	1029337.3170250766	-70.0181584181174	-70.6588755	357781.18801334005	435977.907007555	2710.8221862345035	2668.365261392436	2683.634031020875	2683.678906371502	0	0
624	360	266284	40238.85867303351	1029337.3170250766	-70.018130468126	-70.6565315	357982.1541020864	435973.88770768	2710.45068274493	2667.033253325399	2677.889657860996	2678.10268031585	0	0
625	360	266285	40898.85867303351	1029337.3170250766	-70.0181031980884	-70.6541874	358189.6806839376	435969.86829316	2710.108274039507	2665.7223041499713203	2671.631267728465	2671.631267728465	0	0
626	360	266286	41548.85867303351	1029337.3170250766	-70.0180749086333	-70.6518433	358384.0858706663	435965.848902367	27					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHBoth.f
700	36635	93698.85867307335		1029337.3170250766	36.70144090300284	-100.466663	374259.9730636383	4395649.092082476	2708.7439905171848	2550.690523394766	2551.202486287309	71.84842605498247
706	36636	94358.85867307335		1029337.3170250766	36.7014444848186	-100.464319	374480.928661949	4395645.091727024	2707.7345546890344	2538.9087308573553	2538.7495490327146	83.2050765239271
707	36637	95018.85867307335		1029337.3170250766	36.70144278511707	-100.461952	374861.8841380109	4395641.091802262	2708.4417517805416	2538.1308390303262	2538.5865203544324	92.86172498164466
708	36638	95678.85867307335		1029337.3170250766	36.70142140898855	-100.4596312	374862.839495815	4395637.091709005	2704.030232350277	2520.438323581174	2520.2604809087876	96.119048743124269
709	36639	96338.85867307335		1029337.3170250766	36.70148421313705	-100.4572871	375063.79473401594	4395633.09204441	2702.62488485014	2516.634052531406	2525.6888988568285	93.94515364757734
710	36640	96998.85867307335		1029337.3170250766	36.70140818835336	-100.4549431	375264.74963414	4395629.09216137	2701.212954	2518.7892353434536	2527.42618753465	96.40048517223414
711	36641	97658.85867307335		1029337.3170250766	36.70140511075954	-100.4529991	375465.74055428253	4395625.093	2698.92593697564	2517.8827663516047	2529.286834799423	98.7243244893645
712	36642	98318.85867307335		1029337.3170250766	36.7013947657639	-100.45025	375666.659766356	4395621.094437668	2697.161548427067	2516.929861	2530.863654050917	97.36000458
713	36643	98978.85867307335		1029337.3170250766	36.70138801775974	-100.447811	375867.6145008893	4395617.0926	2696.597119867477	2515.862866342084	2531.89361830775	95.237154657620349
714	36644	99638.85867307335		1029337.3170250766	36.7013812	-100.445567	376068.569741522	4395613.09718067	2695.423651320627	2514.732940127804	2533.559827890227	92.173123
715	36645	100298.85867307335		1029337.3170250766	36.7013744427026	-100.4432229	376269.52676545025	4395609.08801056	2688.631070598023	2513.46340050542	2532.706648	95.71922844197
716	36646	100958.85867307335		1029337.3170250766	36.70136744	-100.4408789	376470.47481864575	4395605.100584513	2684.194169607377	2512.06693565256	2532.55662238186	95.10071017
717	36647	101618.85867307335		1029337.3170250766	36.701360489635796	-100.4385348	376671.432408054	4395601.10303617	2681.544250560929	2510.544250560929	2531.6041705175076	81.53324634865302
718	36648	102278.85867307335		1029337.3170250766	36.70133464392215	-100.4361908	376872.3866547525	4395597.105	2679.319082090735	2508.910578841123	2530.3540268682673	91.7021268748195
719	36649	102938.85867307335		1029337.3170250766	36.701334543863316	-100.434868	377037.3407159528	4395593.10890065	2678.203714989778	2507.185881902538	2528.88315204307	78.30252986
720	36650	103598.85867307335		1029337.3170250766	36.70133936049084	-100.431928	377274.29465869104	4395589.11086291	2671.015089372674	2505.300262822946	2527.4727073485545	79.47420071169726
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727	36657	108218.85867307335		1029337.3170250766	36.701281357883255	-100.4150844	378689.68093564734	4395561.13726281	2649.05375867747	2503.98581424084	2518.951874678198	75.4249691943921
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17	36617	360381.1431		1029997.3170250766	36.6969937292137	-102.079633	32					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BREIElevKgr.f	BREIElevBothKgr.f	LatBothKgr.f	SatBoth.f
91	361	266491	-311541.1413	1029997.3170250766	36.98866513829259	-101.9059858	250846.8578227374	4398350.5295625785	347.0793035556353	339.4313760781756	3373.622037080345	3373.124864	16.809338997803764	17.30651231045512
92	361	266492	-310881.1413	1029997.3170250766	36.98866948129768	-101.903582	251047.9251582626	4398346.387123544	3483.538578633025	3390.599555	3371.9142682653	3371.56748487480747	16.84522631149725	19.24206061527553
93	361	266493	-310221.1413	1029997.3170250766	36.9887179922486	-101.8971483	251248.9624881533	4398342.3385304092	3488.997765371087	3390.805319824635	3370.134238917258	3369.355198224635	20.67172061142027	21.450763030534094
94	361	266494	-309561.1413	1029997.3170250766	36.98872906147436	-101.889864	251300.9562725238	4398330.952016132	3491.74774865114	3396.1954054151224	3371.396780280449	22.9570077389005	23.5760077200062362	
95	361	266495	-308801.1413	1029997.3170250766	36.988726078645846	-101.8865206	251561.12641077033	4398333.952016132	3491.74774865114	3396.1954054151224	3371.396780280449	22.9570077389005	23.5760077200062362	
96	361	266496	-308241.1413	1029997.3170250766	36.9887174505337	-101.8841768	251852.13903091854	4398320.952016132	3494.01076234217	3392.27689538774	3364.10414008645	3363.757586	28.5201032336341	
97	361	266497	-307581.1413	1029997.3170250766	36.98871751475876	-101.8819328	252053.29503189408	4398325.667	3490.2267598374148	3393.020074714835	3362.295095005483	3363.757586	31.67105246593514	31.67105246593514
98	361	266498	-306821.1413	1029997.3170250766	36.988135684327	-101.8849481	252254.32544549059	4398321.524102975	3486.44275741426	3393.628731046683	3361.82465911135	3368.0396725060986	32.00407173554822	35.78880345058447
99	361	266499	-306061.1413	1029997.3170250766	36.9881244551575	-101.8871453	252455.39153116214	4398317.382	3488.248740471027	3394.745302393175	3361.1559248941726	3354.33531312747654	33.5969749902609	46.49989111840893
100	361	266500	-305601.1413	1029997.3170250766	36.988555653335	-101.884015	252656.4562968904	4398312.23989307	3495.73800524177	3393.1255879171013	3360.932417128246	35.61122142502086	44.804323920306485	
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102	361	265502	-304281.1413	1029997.3170250766	36.9889753106107	-101.8801139	253058.58724145755	4398304.95806044	3517.43475766885	3396.99657355146	3357.71182284705161	39.28475453041165	47.5285634498514	
103	361	265503	-303621.1413	1029997.3170250766	36.9889183860074	-101.8777701	253259.6520275356	4398300.816	3521.27290069928	3396.34588327146	3356.60474982919	3348.771235892412	47.54758852	
104	361	265504	-302961.1413	1029997.3170250766	36.9889391956175	-101.8754263	253460.7164043202	4398296.67453197	3519.557776592473	3395.712973004617	3355.5132558512496	3337.3239605236	49.1995414423213	45.9795577
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107	361	265507	-300981.1413	1029997.3170250766	36.989001353011205	-101.8683348	254063.903927619	4398281.25996183	3516.218922636646	3393.941409076666	3353.6822980052484	3357.93894665018	49.29111002418194	40.45346954116485
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109	361	265509	-299661.1413	1029997.3170250766	36.98904256484246	-101.8637701	254466.03647855172	4398275.971316604	3508.136519071851	3392.817413951578	3349.331523092228	3349.469534880748	44.8589095848274	43.34787070828185
110	361	265510	-299001.1413	1029997.3170250766	36.98906310284036	-101.861363	254667.097	4398271.83332639	3496.8324352934418	3392.2648352615697	3347.37457659236	3347.499530993024	44.8877376	44.76574265845606
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117	361	265517	-294381.1413	1029997.3170250766	36.9892050103322	-101.8449565	256074.532437651	4398240.863043911	3388.4786913358703	3393.62228348139	3335.6924735048384	52.78654075451142	52.78654075451142	52.78654075451142
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121	361	265521	-291741.1413	1029997.3170250766	36.9892863243275	-101.8355812	256878.778928187	4398226.31366014	3513.93267664672	3386.27869407008	3330.8673476070055	3331.4430021930625	54.5112624036952	54.5112624036952
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125	361	265525	-289101.1413	1029997.3170250766	36.9893653093829	-101.826258	257683.1084942937	4398209.768959107	3500.402767881505	3384.44495257849	3325.676602597849	3325.676602597849	58.4675627682521	58.4675627682521
126	361	265526	-288441.1413	1029997.3170250766	36.98938592798373	-101.823916	257884.072224513	4398204.5826453	3503.3495117647384	3383.76780791047	3324.391820155537	3324.391820155537	59.2442390574665	59.2442390574665
127	361	265527	-287781.1413	1029997.3170250766	36.98940532	-101.821581	258085.1369114483	4398201.46696625	3508.09965361534	3383.1421763014514	3322.217915456939	3322.217915456939	60.521744477815	60.521744477815
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129	361	265529	-286461.1413	1029997.3170250766	36.9894447183741	-101.8168304	258487.25437314707	4398193.22622711	3475.071150044767	3382.66257932654	3320.284447475295	3320.284447475295	63.9262197292664	63.9262197292664
130	361	265530	-285801.1413	1029997.3170250766	36.98946432545654	-101.8144865	258688.3127463581	4398189.091	3459.034145219709	3381.7444549791303	3316.218412236163	3316.218412236163	65.5261325296737	65.5261325296737
131	361	265531	-285141.1413	1029997.3170250766	36.9894834139632	-101.812427	258889.3088814198	4398184.957	3462.331796397464	3381.03347595173	3313.4772563305303	3313.4772563305303	67.6546470702313	67.6546470702313
132	361	265532	-284481.1413	1029997.3170250766	36.98950343312627	-101.809788	259042.4877853377	4398180.122319534	3476.945319070667	3380.933719070667	3311.93367347723	3311.93367347723	69.30307224394	69.30307224394
133	361	265533	-283821.1413	1029997.3170250766	36.989523983773	-101.807465	259246.45691496	4398176.88147852	3481.7688147852	3380.933719070667	3311.93367347723	3311.93367347723	71.467891830468	71.467891830468
134	361	265534	-283161.1413	1029997.3170250766	36.9895423139575	-101.805111	259492.5435976784	4398172.55422785	3506.172912	3380.04359326244	3309.9727665527	3309.9727665527	72.443290574665	72.443290574665
135	361	265535	-282501.1413	1029997.3170250766	36.98956183716131	-101.8027673	259693.6014042927	4398168.421	3518.91600441733	3379.641524	3303.55338853082	3303.38722121980		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHtKgs.ft	SatHtBoth.ft
217	361	266617	-223881.1413	2029997.310250766	39.70099941462445	-10.1059669	276179.5024627476	439730.258791828	3521.7088791533683	3392.009375959439	3185.4327898957362	3185.4327898957362	114.0243779095816011	114.0243779095816011
218	361	266618	-223771.1413	2029997.310250766	39.70101469913367	-10.1068223	27630.5043526264	4397626.144477	3520.7995519107815	3392.268472594224	3190.386100331506	3184.464314747787	107.88327260105325	113.80412681944517
219	361	266619	-223661.1413	2029997.310250766	39.70103029158314	-10.1068789	276881.57861891604	4397816.1919702558	3518.8824943810389	3397.06248810389	3188.174544172421	3183.9476689161	108.9078827389717	113.27476794931164
220	361	266620	-223640.1413	2029997.310250766	39.701045848719306	-10.1063351	276782.616352289	4397817.917004235	3515.717522808115	3395.89720209065	3185.541100330965	3183.9476689161	112.69004455021487	112.69004455021487
221	361	266621	-223741.1413	2029997.310250766	39.70106136057435	-10.1061191	276983.616333195406	4397813.803550452	3512.5489633356693	3394.717716	3184.775414966694	3182.559195051167	109.94227325684584	112.15852046279278
222	361	266622	-225081.1413	2029997.310250766	39.70107762174632	-10.15988427	277184.69125951675	4397809.603270125	3508.939190952936	3382.750293183155	3181.76742343665	3180.7562591197906	110.7562591197906	111.7562591197906
223	361	266623	-224421.1413	2029997.310250766	39.7010922484381	-10.15965032	277385.7283651396	4397805.5776237514	3506.6732795114	3392.352722152304	3181.31827908485	3180.777219259605	111.0345142274551	111.0345142274551
224	361	266624	-223761.1413	2029997.310250766	39.70110744443284	-10.15941593	277886.7562557459	4397801.4645376903	3504.6714971132926	3391.167912386941	3181.2161004721384	3179.733512525612	109.9518191480287	111.43259731319923
225	361	266625	-223101.1413	2029997.310250766	39.70112265516782	-10.15918163	278687.90272556216	4397807.352057216	3508.191970255815	3395.863957103991	3180.935828072292	3178.384377446166	109.0489690897617	111.58965296637433
226	361	266626	-222441.1413	2029997.310250766	39.70113824002554	-10.15894713	279388.8339731896	4397792.23772533	3499.940123391561	3398.804219331561	3180.463745658294	3180.463745658294	108.34051448171	112.3366043456078
227	361	266627	-221781.1413	2029997.310250766	39.70115340876782	-10.15871274	278189.87461279676	4397789.127272748	3497.3599740548393	3387.63262	3179.791119037089	3174.0029532334897	108.4150108231006	113.6260696425301
228	361	266628	-222114.1413	2029997.310250766	39.7011687564534	-10.15847834	278390.910628723	4397785.015907487	3494.42446226441	3386.473442664801	3178.893872	3171.014669537202	107.57957131194098	115.0622732917901
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230	361	266630	-219801.1413	2029997.310250766	39.70119892950684	-10.15800955	278792.9820565372	4397776.79282682	3486.551368182044	3384.198201229423	3176.640594281072	3167.609720523896	107.55760694187029	120.5884060905753
231	361	266631	-219141.1413	2029997.310250766	39.7012138857961	-10.15777515	278984.0176077006	4397763.7818272398	3485.59164319398	3383.077484472878	3175.367201888636	3158.8017685877704	107.7104466925919	124.21746189951738
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233	361	266633	-217821.1413	2029997.310250766	39.7012439778885	-10.15730638	279396.0744049841	4397764.463963504	3479.564585123159	3380.84920680741	3172.8552034637125	3148.9454764040827	108.194003124284	132.43572824065817
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235	361	266635	-216501.1413	2029997.310250766	39.701273717866944	-10.15683757	279798.1566426405	4397756.23977957	3476.799333178284	3378.614051351548	3169.815312	3169.93965440158	108.79873901181782	134.800589113901
236	361	266636	-215841.1413	2029997.310250766	39.70128860448174	-10.15660317	279999.1902400886	4397752.129643978	3480.29152634678	3377.485192634678	3168.774164510767	3164.94292971	108.71010212369054	132.56222114361708
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239	361	266639	-213861.1413	2029997.310250766	39.70133303362638	-10.15589918	280600.2214689097	4397739.81444527	3489.326871308656	3374.029893153895	3165.4711286074	3165.4711286074	108.76225446737705	129.77762997196657
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241	361	266641	-212541.1413	2029997.310250766	39.70136208312024	-10.15543118	281004.359073329	4397731.584694458	3487.558878769032	3371.660246485996	3163.214807669257	3165.4711286074	108.76225446737705	129.77762997196657
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243	361	266643	-211221.1413	2029997.310250766	39.70139138148632	-10.15496239	281406.424824809	4397723.36865816	3488.453514965057	3369.235052112608	3161.5994831865057	3165.4711286074	108.76225446737705	129.77762997196657
244	361	266644	-210561.1413	2029997.310250766	39.7014056321421	-10.15472799	281607.457378081	4397719.25807868	3485.59152953438	3367.999303111535	3160.8251150776136	3164.3843484889066	107.714803392484	124.6147082256887
245	361	266645	-209901.1413	2029997.310250766	39.7014208602827	-10.15448539	281808.498817038	4397715.15983634	3482.74151991182	3366.7941591182	3160.043215815824	3163.4189886314	108.70810742436417	125.1541789951738
246	361	266646	-209241.1413	2029997.310250766	39.7014344474037	-10.1542592	282009.5219414207	4397711.0345942	3479.882558707758	3365.4826371095	3159.24832631096	3162.420076077484	108.70810742436417	125.1541789951738
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249	361	266649	-207261.1413	2029997.310250766	39.7014773772925	-10.153556	282612.617301249	4397698.722038274	3469.48401129849	3361.632474256575	3156.798129178086	3163.4189886314	108.70810742436417	125.1541789951738
250	361	266650	-206601.1413	2029997.310250766	39.7014915038121	-10.1533216	282813.648298896	4397684.61388047	3465.909551738187	3360.320299738187	3155.86732782976	3163.4189886314	108.70810742436417	125.1541789951738
251	361	266651	-205941.1413	2029997.310250766	39.70150569749884	-10.1530872	283014.6795542851	4397680.580974327	3462.39616545375	3358.94942604234	3154.954029524415	3163.4189886314	108.70810742436417	125.1541789951738
252	361	266652	-205281.1413	2029997.310250766	39.7015198783527	-10.1528421	283215.701964497	4397676.4618983	3459.8901352987	3357.91625198404	3154.071376369217	3163.4189886314	108.70810742436417	125.1541789951738
253	361	266653	-204621.1413	2029997.310250766	39.70153383053768	-10.15261841	283416.7028572304	4397662.29684918	3456.8344242619	3356.904392574965	3153.132496917397	3162.52754887321	108.70810742436417	125.1541789951738
254	361	266654	-203961.1413	2029997.310250766	39.70154784815609	-10.15238401	283617.771242187	4397678.91138653	3453.89079022413	3354.939316105605	3152.18577325876	3161.2102634712954	108.70810742436417	125.1541789951738
255	361	266655	-203301.1413	2029997.310250766	39.70156182039144	-10.15214961	283818.8014680897	4397674.05662796	3450.36510793327	3353.561188934657	3151.2266075807956	3160.93455315959	108.70810742436417	125.1541789951738
256	361	266656	-202641.1413	2029997.310250766	39.701575747343384	-10.15191521	284019.8314736366	4397669.98401627	3447.856776767081	3352.17033322807	3150.198111379097	3160.93455315959	108.70810742436417	125.1541789951738
257	361	266657	-201981.1413	2029997.310250766	39.70158963	-10.15168081	284220.8612170367	4397665.84515083	3445.34850400335	3350.766882406937	3148.135249519027	3160.93455315959	108.70810742436417	125.1541789951738
258	361	266658	-201321.1413	2029997.310250766	39.70160346359694	-10.1514464	284421.890784939	4397661.77083412	3443.840114433786	3349.245055617467	3147.5339791336314	3160.93455315959	108.70810742436417	125.1541789951738
259	361	266659	-200661.1413	2029997.310250766	39.70161742819644	-10.15121201	284622.910688644	4397657.61105893	3442.33697418109	3348.135249519027	3146.5339791336314	3160.93455315959	108.70810742436417	125.1541789951738
260	361	266660	-200001.1413	2029997.310250766	39.70163130231661	-10.15097762	284823.9483404093	4397653.46194312	3440.83597402					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIEVELogKg.ft	BRIEVEBothK.ft	SatThBothK.ft	SatThBoth.ft
343	361	266743	-145221.1413	1029997.3170250766	39.702614044455494	-101.3152221	301508.6514320385	4397313.722	3315.1757166902225	3014.52916573032	3041.5021730653957	3029.368716316492	67.04074350765632	79.17410340596015
344	361	266744	-144561.1413	1029997.3170250766	39.7026239663722	-101.312878	301709.6636670546	4397308.4407301	3308.943740739754	3017.344802963517	3040.377445334657	3029.58574250023	66.9674570806006	77.75832871345934
345	361	266745	-139941.1413	1029997.3170250766	39.70263338037061	-101.308539	301910.9754621179	4397305.355833438	3304.713904789385	3106.171408419733	3037.9489489707378	3024.62434802008	66.2314934802008	77.72708343534581
346	361	266746	-143241.1413	1029997.3170250766	39.70264373434928	-101.308189	302111.8671836525	4397301.468700336	3328.426683867157	3105.015689708895	3035.760675851633	3028.6810560772623	66.2545050772623	76.35526040194557
347	361	266747	-142581.1413	1029997.3170250766	39.70265354040958	-101.3058458	302312.6987	4397297.3847187	3296.066107186354	3103.872940734472	3034.0303279554487	3026.872148168496	66.8399127642554	77.00022591402467
348	361	266748	-141921.1413	102997.3170250766	39.70266330118434	-101.3030518	302513.7100543086	4397293.301095978	3294.465603900434	3102.739539613045	3032.359806030598	3024.24098275765	66.37973348354944	76.4971296850174
349	361	266749	-141261.1413	102997.3170250766	39.70267301667358	-101.301577	302714.7211984153	4397289.21644705	3290.584505928851	3101.6156047349327	3030.547516134754	3024.271649714571	66.0880860017873	76.90343977
350	361	266750	-140601.1413	102997.3170250766	39.70268266877225	-101.2988137	302915.732455593	4397285.17447352	3291.262479439387	3100.49912	3028.92704202686	3023.027438198352	66.1547196977073	77.471832982469
351	361	266751	-139941.1413	102997.3170250766	39.702692811795345	-101.2964698	303116.7429078054	4397281.051769125	3288.817425095698	3098.3680826236	3027.451101428481	3021.206185584225	66.13570796562717	77.818645685854
352	361	266752	-139281.1413	102997.3170250766	39.702701891427894	-101.2941255	303317.75437575	4397276.98369497	3285.512071191166	3097.25747900175	3025.39205479574	3020.39205479574	66.13570796562717	77.818645685854
353	361	266753	-138621.1413	102997.3170250766	39.70271142577474	-101.2917815	303518.7638472343	4397272.886178771	3282.212432404126	3097.163486754757	3024.059611218855	3016.3059644693257	66.10387465259018	80.85752210531414
354	361	266754	-137961.1413	102997.3170250766	39.702720914836014	-101.2894374	303719.747026586	4397268.803997041	3278.91225749327	3096.048524083074	3022.0853192785094	3013.916745244792	66.0320490456461	82.1317783828212
355	361	266755	-137301.1413	102997.3170250766	39.702730358611646	-101.2870933	303920.7804719594	4397264.71819497	3274.92413987397	3094.9280417036293	3020.1290476577283	3011.351818908258	66.0320490456461	83.5762228
356	361	266756	-136641.1413	102997.3170250766	39.70273975110158	-101.2847493	304121.7931562525	4397260.40305224	3269.735827396813	3093.7941106740825	3018.153479440435	3008.2393513125926	66.0320490456461	85.55479396
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358	361	266758	-135321.1413	102997.3170250766	39.70275841822441	-101.280612	304523.812635886	4397252.41710883	3259.69964420249	3091.4633287077114	3014.9733581697198	3004.1265023592805	66.4881722011913	93.3370241143093
359	361	266759	-134661.1413	102997.3170250766	39.7027676808572	-101.277771	304724.8220602993	4397248.39596493	3253.522218010105	3090.262526434196	3014.0478907215706	3002.910459331474	66.21463571	99.34848909105457
360	361	266760	-134001.1413	102997.3170250766	39.70277680820434	-101.2757373	304925.8310931045	4397244.311171948	3246.18518434926	3089.034325093985	3014.0029957647293	3002.910459331474	66.21463571	99.34848909105457
361	361	266761	-133341.1413	102997.3170250766	39.70277607	-101.273029	305126.839632114	4397240.2343231	3238.848150697487	3087.775976706055	3014.5342009385213	3002.910459331474	66.21463571	99.34848909105457
362	361	266762	-132681.1413	102997.3170250766	39.70278519704127	-101.2706849	305327.488586239	4397236.15406238	3231.551174052758	3086.4870880268	3014.5342009385213	3002.910459331474	66.21463571	99.34848909105457
363	361	266763	-132021.1413	102997.3170250766	39.702794027853015	-101.2683408	305528.8704815027	4397232.073832027	3223.175561871766	3085.16578054576	3014.8125399512875	3002.910459331474	66.21463571	99.34848909105457
364	361	266764	-131361.1413	102997.3170250766	39.70281331735052	-101.2659968	305725.986513953	4397227.95854974	3224.84195105638	3083.85065057058	3015.046657523328	3002.910459331474	66.21463571	99.34848909105457
365	361	266765	-130701.1413	102997.3170250766	39.702822750015983	-101.2637693	305929.8179137123	4397223.949808339	3218.890516977693	3082.91472723243	3015.046657523328	3002.910459331474	66.21463571	99.34848909105457
366	361	266766	-130041.1413	102997.3170250766	39.70283215125843	-101.261306	306131.881294855	4397218.34765948	3214.17354553363	3081.071805184091	3014.348803821655	3002.910459331474	66.21463571	99.34848909105457
367	361	266767	-129381.1413	102997.3170250766	39.70284051561389	-101.2589645	306332.888947088	4397215.75551087	3213.586125519742	3079.485367040967	3014.6533367380275	3002.910459331474	66.21463571	99.34848909105457
368	361	266768	-128721.1413	102997.3170250766	39.70284906692425	-101.2566205	306533.8965076026	4397211.67	3212.74573672637	3077.949063833355	3015.785868876025	3002.910459331474	66.21463571	99.34848909105457
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370	361	266770	-127401.1413	102997.3170250766	39.702868658095587	-101.2519323	306935.910966177	4397203.51919213	3226.049591446227	3074.7286016620316	3017.1059238481935	3002.910459331474	66.21463571	99.34848909105457
371	361	266771	-126741.1413	102997.3170250766	39.7028787350015983	-101.2498718	307135.8179137123	4397200.9820181	3217.23239822398	3073.01472723243	3015.046657523328	3002.910459331474	66.21463571	99.34848909105457
372	361	266772	-126081.1413	102997.3170250766	39.702887924075476	-101.2474242	307336.9234711915	4397196.3621288	3217.054454482	3071.30878189427	3015.046657523328	3002.910459331474	66.21463571	99.34848909105457
373	361	266773	-125421.1413	102997.3170250766	39.70289860270638	-101.2449001	307538.39132408855	4397191.28497367	3210.896342575538	3069.530017552186	3002.910459331474	3002.910459331474	66.21463571	99.34848909105457
374	361	266774	-124761.1413	102997.3170250766	39.70290118605554	-101.242556	307739.9377	4397187.2067298	3217.9364262058	3077.9054736489	3022.44132609423	3012.318822	66.258222706607	55.39072610999191
375	361	266775	-124101.1413	102997.3170250766	39.70290972411444	-101.240212	307940.3493166507	4397183.129993509	3186.8734386811265	3065.8503043667765	3024.7422540255284	3016.617498499087	66.258222706607	55.39072610999191
376	361	266776	-123441.1413	102997.3170250766	39.70291821688731	-101.2378679	308141.949293094	4397179.052585362	3182.3267241203666	3063.961199907275	3027.6134729555304	3021.4536346381193	66.258222706607	55.39072610999191
377	361	266777	-122781.1413	102997.3170250766	39.702926664371475	-101.2359238	308345.9654119605	4397174.97958042	3182.3267241203666	3063.961199907275	3027.6134729555304	3021.4536346381193	66.258222706607	55.39072610999191
378	361	266778	-122121.1413	102997.3170250766	39.7029356730015983	-101.2331797	308545.9613732254	4397170.8920181	3172.23239822398	3060.97147273243	3015.046657523328	3002.910459331474	66.258222706607	55.39072610999191
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380	361	266780	-120801.1413	102997.3170250766	39.70295173511837	-101.2284916	308945.970562096	4397162.746637598	3162.876692211632	3056.1049632177665	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
381	361	266781	-120141.1413	102997.3170250766	39.7029600146094	-101.2261475	309146.9771479218	4397158.671	3157.67822356357	3054.092203699166	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
382	361	266782	-119481.1413	102997.3170250766	39.7029682251736	-101.2238034	309347.982	4397154.59430426	3152.357977815494	3052.0641879273676	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
383	361	266783	-118821.1413	102997.3170250766	39.70297632887272	-101.2214594	309548.9887318567	4397150.519431652	3146.777372417904	3050.02489139276	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
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385	361	266785	-117501.1413	102997.3170250766	39.702992681381785	-101.2168281	309949.9912447675	4397142.02069077077	3137.0140868797573	3048.981923470543	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
386	361	266786	-116841.1413	102997.3170250766	39.702999338871875	-101.2144271	310151.997135952	4397138.294	3132.0037607656	3046.9531638217	3002.910459331474	3002.910459331474	66.258222706607	55.39072610999191
387	361	266787	-116181.1413	102997.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKgr.ft	SatHtKgr.ft
461	361	266869	-62061.14133	1029997.3170250766	39.70351009760144	-101.0198669	226834.7172217578	4396800.899482128	3038.60845481470367	2954.838856351934	2889.627659589145	2889.626539539687	65.2011967278864	65.2182719566571
470	361	266870	-61401.14133	1029997.3170250766	39.70351433342798	-101.0175228	227035.7605	4396756.444222324	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
471	361	266871	-60741.14133	1029997.3170250766	39.70351852269686	-101.0151787	227226.66591235	4396792.799	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
472	361	266872	-60081.14133	1029997.3170250766	39.703522669218316	-101.0128346	227437.68453835243	4396786.7345092029	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
473	361	266873	-59421.14133	1029997.3170250766	39.703526769182844	-101.0104905	227638.67381372067	4396784.68000261	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
474	361	266874	-58761.14133	1029997.3170250766	39.70353032386021	-101.0081464	227839.662002635	4396780.652727815	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
475	361	266875	-58101.14133	1029997.3170250766	39.70353483235016	-101.0058023	228040.5604564476	4396780.652727815	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
476	361	266876	-57441.14133	1029997.3170250766	39.70353879735322	-101.0034581	228241.6387432193	4396775.17877894	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
477	361	266877	-56781.14133	1029997.3170250766	39.703542761161881	-101.001114	228442.626852305	4396780.652727815	3035.8092592626	2953.101507786698	2889.248628250444	2889.3020843457887	63.7994243108107	63.7994243108107
478	361	266878	-56121.14133	1029997.3170250766	39.70354658993734	-100.9987789	228643.5148165071	4396754.410595465	3005.51608517499	2935.573033553605	2880.1279564961	2880.1279564961	63.7994243108107	63.7994243108107
479	361	266879	-55461.14133	1029997.3170250766	39.70355042	-100.9964258	228844.603635362	4396760.35784978	3005.51608517499	2935.573033553605	2880.1279564961	2880.1279564961	63.7994243108107	63.7994243108107
480	361	266880	-54801.14133	1029997.3170250766	39.70355420089244	-100.9940817	229054.59022449756	4396756.204927552	2996.354104400654	2930.25867885474	2878.083496153677	2878.083496153677	63.7994243108107	63.7994243108107
481	361	266881	-54141.14133	1029997.3170250766	39.703557938559086	-100.9917376	229245.57678939597	4396754.252727815	2996.354104400654	2930.25867885474	2878.083496153677	2878.083496153677	63.7994243108107	63.7994243108107
482	361	266882	-53481.14133	1029997.3170250766	39.703561630938495	-100.9893934	229447.54668537	4396748.199917211	2991.548309578803	2924.707679149634	2875.7740810815626	2875.7740810815626	63.7994243108107	63.7994243108107
483	361	266883	-52821.14133	1029997.3170250766	39.70356527803059	-100.9870493	229648.55209212963	4396744.147738678	2987.9148913806257	2921.765977720537	2874.690457254732	2874.690457254732	63.7994243108107	63.7994243108107
484	361	266884	-52161.14133	1029997.3170250766	39.70356937803541	-100.9847652	229849.5390537756	4396740.098	2984.567925	2919.377208297496	2873.605110414496	2873.605110414496	63.7994243108107	63.7994243108107
485	361	266885	-51501.14133	1029997.3170250766	39.70357243635297	-100.9823611	230050.5283448794	4396736.044080053	2981.22930879614	2917.376720464075	2872.618609519266	2872.618609519266	63.7994243108107	63.7994243108107
486	361	266886	-50841.14133	1029997.3170250766	39.7035754758321	-100.980017	230251.5124716647	4396731.992599942	2977.87394719439	2915.6341774841578	2871.468610002145	2871.468610002145	63.7994243108107	63.7994243108107
487	361	266887	-50181.14133	1029997.3170250766	39.70357941326215	-100.9776729	230452.4988351172	4396727.941326219	2975.6548055823985	2913.303666540799	2870.368123889754	2870.368123889754	63.7994243108107	63.7994243108107
488	361	266888	-49521.14133	1029997.3170250766	39.70358283418175	-100.9753287	230653.4852340502	4396724.00833076	2974.0062618907746	2912.229208734499	2869.2732584229534	2869.2732584229534	63.7994243108107	63.7994243108107
489	361	266889	-48861.14133	1029997.3170250766	39.70358629955009	-100.9729846	230854.4713686677	4396719.84	2971.056347858478	2910.516762766704	2868.142445088036	2868.142445088036	63.7994243108107	63.7994243108107
490	361	266890	-48201.14133	1029997.3170250766	39.7035895936102	-100.9706405	231055.4573917877	4396715.789	2971.056347858478	2910.516762766704	2868.142445088036	2868.142445088036	63.7994243108107	63.7994243108107
491	361	266891	-47541.14133	1029997.3170250766	39.70359314553048	-100.9682964	231256.4432617885	4396711.5881981015	2967.8414830771713	2907.60412331392	2865.605802825454	2865.605802825454	63.7994243108107	63.7994243108107
492	361	266892	-46881.14133	1029997.3170250766	39.7035963039095	-100.9659523	231457.48787028	4396707.68905748	2964.32727163824	2905.295939	2864.714907872203	2864.714907872203	63.7994243108107	63.7994243108107
493	361	266893	-46221.14133	1029997.3170250766	39.70359925814994	-100.9636802	231658.414268125	4396703.68756781	2961.2853334964	2903.534700463546	2863.447975380246	2863.447975380246	63.7994243108107	63.7994243108107
494	361	266894	-45561.14133	1029997.3170250766	39.70360240708156	-100.961264	231859.396	4396699.58913748	2958.298230910543	2901.75408925125	2861.899422623357	2861.899422623357	63.7994243108107	63.7994243108107
495	361	266895	-44901.14133	1029997.3170250766	39.70360570125815	-100.9589199	232060.38473733194	4396695.539734534	2956.298230910543	2901.75408925125	2861.899422623357	2861.899422623357	63.7994243108107	63.7994243108107
496	361	266896	-44241.14133	1029997.3170250766	39.7036085690272	-100.9565758	232261.3697275446	4396691.49000034	2954.20355244526	2898.173786519626	2859.009662	2859.009662	63.7994243108107	63.7994243108107
497	361	266897	-43581.14133	1029997.3170250766	39.70361195215224	-100.9542728	232462.3545256555	4396687.41680834	2947.8414830771713	2907.60412331392	2858.009662	2858.009662	63.7994243108107	63.7994243108107
498	361	266898	-42921.14133	1029997.3170250766	39.7036154493435	-100.9519284	232663.33202211	4396683.32999734	2945.26579461127	2905.15106717131	2856.18794565336	2856.18794565336	63.7994243108107	63.7994243108107
499	361	266899	-42261.14133	1029997.3170250766	39.7036174742915	-100.9495344	232864.3237229376	4396679.345321916	2943.40266794413	2903.677352150316	2854.788203517378	2854.788203517378	63.7994243108107	63.7994243108107
500	361	266900	-41601.14133	1029997.3170250766	39.70362034963654	-100.9471993	233065.3080370644	4396675.29631738	2945.374122276998	2890.893788169777	2853.445366279607	2853.445366279607	63.7994243108107	63.7994243108107
501	361	266901	-40941.14133	1029997.3170250766	39.70362331855652	-100.9448552	233266.292242636	4396671.2483218	2946.307600819637	2889.03880919381	2851.936314962086	2851.936314962086	63.7994243108107	63.7994243108107
502	361	266902	-40281.14133	1029997.3170250766	39.70362597	-100.9425111	233467.2763593494	4396667.20569703	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
503	361	266903	-39621.14133	1029997.3170250766	39.7036287053688	-100.9400167	233668.2602155993	4396663.15345854	2948.05410383176	2886.34847	2848.8346809874807	2848.8346809874807	63.7994243108107	63.7994243108107
504	361	266904	-38961.14133	1029997.3170250766	39.7036314553048	-100.9376228	233869.243910422	4396659.43910422	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
505	361	266905	-38301.14133	1029997.3170250766	39.7036340563362	-100.9354787	234070.22743927	4396655.09869709	2943.40266794413	2901.75408925125	2848.16817409033	2848.16817409033	63.7994243108107	63.7994243108107
506	361	266906	-37641.14133	1029997.3170250766	39.70363696184671	-100.9331346	234271.21061872525	4396651.011870132	2946.307600819637	2889.03880919381	2851.936314962086	2851.936314962086	63.7994243108107	63.7994243108107
507	361	266907	-36981.14133	1029997.3170250766	39.70363932224222	-100.9307905	234472.1904289441	4396646.95267807	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
508	361	266908	-36321.14133	1029997.3170250766	39.70364173695032	-100.9284463	234673.177080061	4396642.91816095	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
509	361	266909	-35661.14133	1029997.3170250766	39.703644206570964	-100.9261022	234874.15979142654	4396638.78278982	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
510	361	266910	-35001.14133	1029997.3170250766	39.70364663090474	-100.9237581	235075.1477040064	4396634.62896243	2948.05410383176	2886.34847	2848.8346809874807	2848.8346809874807	63.7994243108107	63.7994243108107
511	361	266911	-34341.14133	1029997.3170250766	39.70364912918814	-100.9214136	235276.1287178814	4396630.3812918814	2947.084546429024	2887.296006085027	2850.394875931164	2850.394875931164	63.7994243108107	63.7994243108107
512	361	266912	-33681.14133	1029997.3170250766	39.70365134730825	-100.9191609	235477.107681947	4396625.73579167	2948.05410383176	2886.34847	2848.8346809874807	2848.8346809874807	63.7994243108107	63.7994243108107</

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.ft	BRLEvBothKgr.ft	SatThkLog.s	SatThkBoth.ft
594	361	266995	21098.85867307335	1029997.310250766	39.70368717333843	-100.7245075	352158.1121831497	4396291.774981399	2817.5448920100075	2720.656272602497	2725.9099615934524	2726.095897162674	0	0
595	361	266996	21758.85867307335	1029997.310250766	39.70368570294389	-100.7221633	352359.0819267864	4396287.749056448	2808.6834736626365	2699.508732793726	2723.2065146225946	2723.2240161429306	0	0
597	361	266997	22418.85867307335	1029997.310250766	39.70368418728747	-100.7198192	352659.6152326565	4396283.7233633408	2798.8236853526346	2698.370017083218	2718.1215434	2718.0468997457206	0	0
598	361	266998	22378.85867307335	1029997.310250766	39.7036826269164	-100.71774513	352761.0208080217	4396279.967902154	2790.352102778934	2727.220102778934	2717.705329	2717.3314140443024	0	0
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640	361	267040	50798.8											

ix	iy	ic1	Xcft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f
721	361	27121	10425.85867307335	1029997.3170250766	39.703145266219465	-100.4291495	37479.2484851712	39576.381323318	2686.980429189867	267.017425108373	2527.9326500348875	2526.5261731775136	76.1690924798851	77.57559893339545	
722	361	27122	104618.85867307335	1029997.3170250766	39.7031380694594	-100.4268054	37680.2109500494	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
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725	361	27125	106888.85867307335	1029997.3170250766	39.70316288219035	-100.417731	37823.0616524151	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
726	361	27126	107558.85867307335	1029997.3170250766	39.70310800350335	-100.414729	37844.016454971	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
727	361	27127	108218.85867307335	1029997.3170250766	39.703101513	-100.4150849	37884.967542244	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
728	361	27128	108878.85867307335	1029997.3170250766	39.7030407921157	-100.4127409	37885.9203142956	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
729	361	27129	109539.85867307335	1029997.3170250766	39.7030655275659	-100.413698	37906.8728717375	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
730	361	27130	110198.85867307335	1029997.3170250766	39.7037004577461	-100.4080527	37927.52551473709	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
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732	361	27132	111518.85867307335	1029997.3170250766	39.70306383192296	-100.403345	37969.730256471	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
733	361	27133	112178.85867307335	1029997.3170250766	39.7030561584716	-100.4012024	37980.6825451326	4396.72430366947	2682.43240366947	2602.158271	2526.4342507592327	2525.002411338566	75.7420247429614	77.1558694497322	
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11	362	27151	-364341.1431	1005657.3170250766	39.6882360657257	-102.0934275	32476.81164541328	3898925.79	371.122235583175	355.005700482102	3503.540344042025	3503.540344042025	47.05473288019924	47.05473288019924	
12	362	27152	-363681.1431	1005657.3170250766	39.6884043430854	-102.0910837	32495.89932025765	3898925.79	373.895978441737	354.004110079329	3502.531644	3501.7922736040823	45.47246612449056	45.216142449056	
13	362	27153	-363021.1431	1005657.3170250766	39.68867297476908	-102.08874	32516.968323582	3898925.79	372.687733251564	354.557044876502	3500.99010753634	3500.99010753634	44.966804122678	44.966804122678	
14	362	27154	-36261.1431	1005657.3170250766	39.6889789595418	-102.086392	32536.8703826497	3898925.79	371.4708623953	354.309581421413	3498.7967892425895	3498.7967892425895	45.11292169945	45.11292169945	
15	362	27155	-361701.1431	1005657.3170250766	39.6892259663744	-102.0840258	32559.1677050502	3898925.79	370.816243749583	354.166195420424	3496.48119355058	3496.48119355058	45.0085918583618	45.0085918583618	
16	362	27156	-361041.1431	1005657.3170250766	39.6897474644971	-102.081768	32570.2472965038	3898925.79	370.4498927815	353.91390756298	3494.94259374709	3494.94259374709	45.701982111325	45.701982111325	
17	362	27157	-360381.1431	1005657.3170250766	39.689724385617	-102.07935	32599.3338	3898925.79	370.367852053396	354.122726194303	3491.46196200545	3491.46196200545	46.2220591346681	46.2220591346681	
18	362	27158	-359721.1431	1005657.3170250766	39.6897969473981	-102.0770212	32617.4196350502	3898925.79	370.3720055714566	348.94846819513397	3488.495176114329	3488.495176114329	46.22232620191	46.22232620191	
19	362	27159	-359061.1431	1005657.3170250766	39.68982160674592	-102.0746775	32637.50570546533	3898925.79	370.64212426575	353.6895006316063	3485.852387211984	3485.852387211984	46.214217100784	46.214217100784	
20	362	27160	-358401.1431	1005657.3170250766	39.689846220277204	-102.0723337	32657.915912861447	3898925.79	370.66846902464	353.651593229594	3482.804974936006	3482.804974936006	46.89611386588	46.89611386588	
21	362	27161	-357741.1431	1005657.3170250766	39.68987075	-102.06999	32675.67860570657	3898925.79	370.688594711525	352.6291151249017	3479.7787328011015	3479.7787328011015	46.9841779092915	46.9841779092915	
22	362	27162	-357081.1431	1005657.3170250766	39.6898931	-102.0674642	32697.7616647483	3898925.79	370.652227481848	352.6291151249017	3479.7787328011015	3479.7787328011015	46.9841779092915	46.9841779092915	
23	362	27163	-356421.1431	1005657.3170250766	39.689923190635	-102.0651288	32718.846453447	3898925.79	370.62430366947	352.6291151249017	3479.7787328011015	3479.7787328011015	46.9841779092915	46.9841779092915	
24	362	27164	-355761.1431	1005657.3170250766	39.68992421643035	-102.062957	32737.9310017036	3898925.79	370.604147100848	352.6291151249017	3479.7787328011015	3479.7787328011015	46.9841779092915	46.9841779092915	
25	362	27165	-355101.1431	1005657.3170250766	39.68996808795624	-102.0606149	32758.015280327	3898925.79	370.61149276683	352.6291151249017	3479.7787328011015	3479.7787328011015	46.98417790929		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBtkgr.f	SurfOnkms.f	SatHtkms.f	
107	362747	-300981.1413			1030657.3170250766	39.70081428	-101.8684215	254068.0190468691	4398485.579477933	3500.0400607042516	331.957077502571	3352.848976651024	3353.371645828394	39.10810085154708	38.58543191937149
108	362748	-300321.1413			1030657.3170250766	39.7008349582063	-101.8660776	254269.1251032712	4398481.49	3546.170603176505	3391.46867	3350.68826752282	3350.887587426728	40.780420292136206	40.58094847234746
109	362749	-299691.1413			1030657.3170250766	39.70084589492913	-101.8631327	254470.1877	4398472.299128668	3492.2011559311194	3390.67189833525	3349.248146740185	3349.4697120352974	41.723045629813395	41.489135208423507
110	362750	-299001.1413			1030657.3170250766	39.7007602815792	-101.8613898	254617.25061875892	4398473.159300822	3488.431703542353	3390.491468714693	3347.7483125453165	3347.7478943545128	42.74331225715294	42.74331225715294
111	362751	-298341.1413			1030657.3170250766	39.70089621440698	-101.859046	254872.31303196312	4398469.0179233185	3487.315745058637	3390.031731023546	3346.0420687466626	3346.5227450706598	43.9610435569199	43.9610435569199
112	362752	-297681.1413			1030657.3170250766	39.70091669376294	-101.8567021	255073.3757	4398464.880374517	3488.951400926574	3390.5144479113537	3344.203640649254	3344.367452799013	44.480963145247	44.480963145247
113	362753	-297021.1413			1030657.3170250766	39.70093737206576	-101.8543582	255274.4739523804	4398460.741261769	3487.90015981699276	3389.02418766531	3342.311519633175	3342.311519633175	46.42021367838713	46.42021367838713
114	362754	-296361.1413			1030657.3170250766	39.70095772947539	-101.8520143	255475.49991500584	4398456.2023734906	3492.228351870168	3391.3831790371686	3341.2422236984057	3341.38603498978	47.28955069876292	47.39439889190736
115	362755	-295701.1413			1030657.3170250766	39.70078641650514	-101.8496704	255676.5616361844	4398452.453743978	3489.084714649278	3389.35102407887	3339.747511269167	3339.747511269167	48.3003511497017	48.3003511497017
116	362756	-295041.1413			1030657.3170250766	39.7009393845494	-101.8473265	255877.6231112238	4398448.325338973	3493.1470559214495	3387.93497251785	3337.855053133284	3337.855053133284	49.6730441150106	49.6730441150106
117	362757	-294381.1413			1030657.3170250766	39.70101853003483	-101.8448288	256078.68454597457	4398444.187167831	3493.213995516893	3387.023646132196	3336.1724659096944	3336.2040787037566	50.58118073052519	50.78316282624805
118	362758	-293721.1413			1030657.3170250766	39.70103876324624	-101.8426387	256297.74545305062	4398440.429434653	3490.281955527006	3386.5064197148295	3335.20860423451	3335.0606663691456	51.2978159137867	51.454573535
119	362759	-293061.1413			1030657.3170250766	39.70105883733441	-101.8402488	256480.86021050802	4398435.91537382	3486.063465157352	3385.979880978025	3333.8475994875025	3333.9831279171908	52.132814905247	51.995903804604225
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122	362762	-291081.1413			1030657.3170250766	39.70111189	-101.8332631	257083.98704121492	4398423.498980005	3512.563372	3384.375234132448	3330.74645458768	3330.7087614598636	53.6388967369016	53.66647627584045
123	362763	-290421.1413			1030657.3170250766	39.70113808571219	-101.8309192	257285.46838252524	4398419.381071166	3515.57875621149	3383.82984301391	3329.49501876569	3329.470561876569	54.3679245732104	54.3679245732104
124	362764	-289761.1413			1030657.3170250766	39.701158138109	-101.8285753	257486.10639569084	4398415.226859297	3504.10945459678	3383.31629107147723	3327.360241525445	3327.360241525445	55.9560495513321	55.9560495513321
125	362765	-289101.1413			1030657.3170250766	39.70117872509755	-101.8262314	257687.167137675	4398411.090372808	3486.640338319384	3382.798018697147	3325.9032188053475	3325.236274727295	56.9497976436725	56.5643910968522
126	362766	-288441.1413			1030657.3170250766	39.701119849	-101.8238875	257888.22479265617	4398406.954521129	3482.171112671196	3382.29063431897	3324.2664733229044	3324.2664733229044	58.0239911889834	57.7358252687613
127	362767	-287781.1413			1030657.3170250766	39.70121825536063	-101.8215436	258098.2836327167	4398402.814850089	3481.71116667224	3381.795031145562	3322.755282696343	3322.8027607773215	59.03790419213356	58.93425237234743
128	362768	-287121.1413			1030657.3170250766	39.7012379781363	-101.819197	258290.342373332	4398398.65263631	3472.476254852256	3381.314923740304	3321.7563966657	3321.7563966657	60.01709645113769	60.01709645113769
129	362769	-286461.1413			1030657.3170250766	39.701257070078	-101.8169234	258491.400942276	4398394.540942276	3515.01122246573	3380.5448242233	3320.73529	3320.73529	61.78945545428	61.78945545428
130	362770	-285801.1413			1030657.3170250766	39.7012778994747	-101.8145119	258692.45872055313	4398390.412438555	3505.0050541211	3380.3954988789	3316.4776201467716	3316.55698940431	63.9219297141731	63.84256139387617
131	362771	-285141.1413			1030657.3170250766	39.70126877593606	-101.812168	258893.5166066214	4398388.277658738	3458.498497236973	3379.96058978184	3313.9599600256306	3314.274537782035	65.069993818782	65.1730121
132	362772	-284481.1413			1030657.3170250766	39.70131641995422	-101.8098241	259094.57425648618	4398382.12436632	3473.735954132412	3379.53305800551	3311.741029	3311.876341069366	67.8228294416126	67.6567169351468
133	362773	-283821.1413			1030657.3170250766	39.70133135970424	-101.8074802	259295.63166530171	4398378.008631221	3488.97435243553	3379.11668309606	3309.58579130851303	3309.58579130851303	69.7545629357454	69.7545629357454
134	362774	-283161.1413			1030657.3170250766	39.701353368486	-101.8051362	259496.6888362164	4398373.874381065	3508.940970149029	3378.710465134348	3307.221669102314	3307.717723	71.4887960320267	71.6927421601843
135	362775	-282501.1413			1030657.3170250766	39.7013736717692	-101.8027923	259697.7458	4398369.74045777	3516.814786178225	3378.54786978785	3304.670476744	3304.670476744	73.571789455428	73.571789455428
136	362776	-281841.1413			1030657.3170250766	39.701394361542	-101.8004844	259898.8047229713	4398356.96077919	3520.29005340434	3377.620290520436	3302.28059371566	3302.28059371566	75.5315614	75.5315614
137	362777	-281181.1413			1030657.3170250766	39.7014134525774	-101.7981045	260090.85893377782	4398361.47331436	3534.263531978325	3377.536534974341	3300.1352963374	3300.1352963374	77.40218203766712	77.35058989087592
138	362778	-280521.1413			1030657.3170250766	39.70143272355928	-101.795706	260309.3511587585	4398345.240633047	3377.152547426403	3397.680226236326	3297.7900825103915	3297.7900825103915	79.361684224876	79.361684224876
139	362779	-279861.1413			1030657.3170250766	39.70145194865994	-101.7934166	260501.9714711468	4398333.207102147	3548.197254800449	3376.767086344436	3295.007294531472	3295.5126542678595	81.7594110297173	81.2540436658411
140	362780	-279201.1413			1030657.3170250766	39.7014711287798	-101.7910727	260703.02899507507	4398324.054731528	3548.197254800449	3376.767086344436	3295.007294531472	3295.5126542678595	83.740418079613	83.740418079613
141	362781	-278541.1413			1030657.3170250766	39.701523953818865	-101.7887288	260940.082415273903	4398314.944	3550.07222310663	3375.97206370472	3289.60515324231	3289.67110502463	85.96989138054056	86.2049532
142	362782	-277881.1413			1030657.3170250766	39.70154335317692	-101.786349	261105.13795427874	4398304.80992302	3551.01122246573	3375.5448242233	3288.73529	3288.73529	87.91789455428	87.91789455428
143	362783	-277221.1413			1030657.3170250766	39.70152839745034	-101.784004	261306.192739793	4398307.67755482	3578.117428811275	3373.8227758491376	3284.06527376098	3284.06527376098	91.3600563918993	91.3600563918993
144	362784	-276561.1413			1030657.3170250766	39.7015473645031	-101.781697	261507.24754893122	4398325.545752375	3548.76159646092	3374.6594766339713	3281.157509991226	3281.2654067553436	93.93409689042765	93.93409689042765
145	362785	-275901.1413			1030657.3170250766	39.70156390516521	-101.7793531	261708.30217270163	4398318.414185983	3538.57197393471	3374.173205490553	3278.77624144625	3278.77624144625	95.9458725941484	95.9458725941484
146	362786	-275241.1413			1030657.3170250766	39.70158255899216	-101.7770092	261909.356414237	4398324.28525239	3533.332000418055	3373.666681823906	3276.980635497407	3276.980635497407	96.6886226264993	96.7402136776126
147	362787	-274581.1413			1030657.3170250766	39.70160412175209	-101.7746652	262110.4105653043	4398320.151760295	3525.68334478868	3373.61041081402	3276.22270245932	3276.22270245932	97.66872687546984	96.9083289
148	362788	-273921.1413			1030657.3170250766	39.701622593623848	-101.7723213	262311.4644355018	4398316.200900988	3515.571273310633	3372.584317159517	3276.502181104065	3276.545228931495	98.6122035354515	98.57872577880558
149	362789	-273261.1413			1030657.3170250766	39.7016412714425	-101.7698944	262512.181695307	4398311.61869537	3527.417087319457	3371.823068922718	3274.6206922718	3274.6206922718	100.48857875204603	100.48857875204603
150	362790	-272601.1413			1030657.3170250766	39.70166043952776	-101.7676334	262709.1474699737	4398307.67755482	3548.76159646092	3374.21403925472	3277.6566747657584	3277.6566747657584	102.95843781336	102.9584

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR/ElevLogs.kft	BR/ElevBoth/kft	SatHtLogs.kft	SatHtBoth.kft
232	362	26373	-217821.1413	1030657.3170250766	30.70356952489476	-101.5730829	279400.2078072623	4379695.75849777	3478.0750376756243	3280.1390614848956	3172.2136885470113	3179.9253729378428	130.46697159729578
234	362	26374	-217161.1413	1030657.3170250766	30.70317615050578	-101.5707389	279601.2422700083	4379761.847795402	3476.789573400564	3279.02705917378	3170.649172755639	3145.4743963214125	130.57125867590323
236	362	26375	-216541.1413	1030657.3170250766	30.703086754330874	-101.5683489	279802.276150741	4379825.880131132	3476.24664292116	3277.8984927156817	3168.081277856817	3143.321436219775	130.577872869595
236	362	26376	-215841.1413	1030657.3170250766	30.70310158733634	-101.5660508	279901.150158733634	4379953.427734732	3481.540565138984	3276.7645057637193	3177.931176	3144.8523661329718	130.8382745707641
237	362	26377	-215181.1413	1030657.3170250766	30.70316375050509	-101.5637068	280204.3443889894	43799437.14343418	3483.746660746045	3275.629976532215	3166.668135569494	3168.96184096276602	130.19107102084183
238	362	26378	-214521.1413	1030657.3170250766	30.703131171480766	-101.5613628	280405.3775962512	4379945.208	3489.926776360445	3274.4749091613924	3165.4757103234747	3146.677723639178	127.801682238355
239	362	26379	-213861.1413	1030657.3170250766	30.70314581462684	-101.5590188	280606.4113375618	4379941.98321798	3491.685405339505	3273.317617847624	3164.378600537343	3144.3904359311663	130.9389174
240	362	26380	-213201.1413	1030657.3170250766	30.70316046468878	-101.5566747	280807.4445034162	4379939.989104475	3491.004843639603	3272.1410552125867	3163.4261812369023	3170.7487397568444	128.8735472807548
241	362	26381	-212541.1413	1030657.3170250766	30.70316750766556	-101.5543307	281008.47745373653	4379952.880131132	3492.74664292116	3270.8517108975027	3162.234659786834	3143.88847188804	128.9323819545695
242	362	26382	-211881.1413	1030657.3170250766	30.70316963436015	-101.5519867	281209.5110898084	4379926.773827862	3489.643772258182	3269.74351244468	3141.42390164002236	3141.010825247084	128.93157144444149
243	362	26383	-211221.1413	1030657.3170250766	30.703204150369515	-101.5496428	281410.54270885005	4379924.66289357	3487.996808412454	3268.306288601414	3160.666872812907	3140.908395173204	127.6218811723056
244	362	26384	-210561.1413	1030657.3170250766	30.703218621046566	-101.5472986	281611.5750140806	4379920.554628911	3485.386955713284	3267.2999042846527	3159.907920623497	3140.8517851182347	126.46311916641798
245	362	26385	-209901.1413	1030657.3170250766	30.70323034654289	-101.5459546	281812.60724061793	4379916.456506376	3482.7759533650506	3266.0553578142703	3159.114954420056	3139.4805134513454	126.574842436878
246	362	26386	-209241.1413	1030657.3170250766	30.70324742696923	-101.5426105	282013.6390801815	4379912.3788623	3480.164951016863	3264.7974140738748	3158.3081861313583	3157.9717356813086	127.00562793849306
247	362	26387	-208581.1413	1030657.3170250766	30.70326176157144	-101.5402668	282214.6704280523	4379908.231223023	3477.42695834581197	3263.5269034581197	3157.465808983172	3136.373043187689	127.18987127376462
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln.	BRLEvLogKgr.ft	BRLEvBotKgr.ft	SatHLogKgr.ft	SatHBot.ft
359	362	267499	-134661.1413	1030657.3170250766	36.70458079156472	-112.277729	304728.9112004717	43794749.688872734	3257.9301498297427	3017.8282769261757	3015.3257778527483	2989.810585362245	50.191941405877	100.01713839951202
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401	362	267541	-106941.1413	1030657.3170250766	36.7049293538065	-112.1793408	313184.1187476258	4379278.50172837	3014.949914567158	3030.021541382724	2972.30246724629	2972.30246724629	50.6389134282719	50.6389134282719
402	362	267542	-106281.1413	1030657.3170250766	36.70493616	-112.1769132	313372.119442711	4379272.938227415	3010.495497240027	3030.21759513205	2962.312276250762	2962.3122762507		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BR/ElevLogKrg.ft	BR/ElevBothKrg.ft	Sat/BthKrg.ft	
485	362	26725	-15101.14133	1300657.3170250766	39.70538547825925	-100.9823657	330654.5838766693	4396397.29476878	2985.3093029239313	271.486222532215	2872.485699	2871.198238578527	45.000522783851466	
486	362	26726	-50841.14133	1300657.3170250766	39.7053889695035	-100.9800215	330655.075284695	4396393.24124332	2915.564563745298	2871.3327440114934	2869.47117048529	42.1519733504716	46.0924467	
487	362	26727	-62181.14133	1300657.3170250766	39.70541230074584	-100.977873	330656.5647555303	4396392.19173139	2938.4533147772014	2873.7483218482255	2867.607641656056	43.33004384726797	31.186192162643	
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490	362	26730	-48201.14133	1300657.3170250766	39.705402581979634	-100.9706448	331059.514	4396391.03878453	2918.105910853765	2908.421194	2866.805865260013	2859.827325901131	41.636329485095	48.164864072063
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492	362	26732	-46881.14133	1300657.3170250766	39.70540911	-100.9656954	331461.48509741214	4396398.58135243	2953.053569058435	2904.3985257263	2864.1554626591625	2863.105844895137	40.4522652080325	51.7954836212597
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502	362	26742	-40281.14133	1300657.3170250766	39.70543901148176	-100.9425146	333471.3320057061	4396378.49947329	2929.742651877092	2886.724651877092	2850.7514226698363	2851.123930615717	34.61322521087157	34.61322521087157
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515	362	26755	-31701.14133	1300657.3170250766	39.7054711371923	-100.9120403	336084.1064150624	4396385.846760277	2897.975538182306	2863.585108410014	2842.640197	2842.849397508681	33.0897100133289	32.73195145225879
516	362	26756	-31041.14133	1300657.3170250766	39.705473270043356	-100.9096961	336285.08614497504	4396381.802	2893.868663512395	2861.640902491784	2821.64141687459	2821.372371676994	32.2846816719325	40.4917725218403
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521	362	26761	-27741.14133	1300657.3170250766	39.70548403344456	-100.8979752	337289.9410262626	4396391.882304054	2880.02186772047	2852.725373708296	2816.127084565777	2816.127084565777	35.026768316235	39.8803706278927
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523	362	26763	-26421.14133	1300657.3170250766	39.70548707061031	-100.8932868	337691.95246218	4396380.49601242	2877.763596184538	2848.795548494538	2813.504374126882	2813.504374126882	35.026768316235	39.8803706278927
524	362	26764	-25761.14133	1300657.3170250766	39.7054889686524	-100.8909427	337892.9326943124	4396379.453	2877.54903524639	2846.7448881969	2811.798271850959	2811.798271850959	35.026768316235	39.8803706278927
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527	362	26767	-23781.14133	1300657.3170250766	39.7054941278154	-100.8839128	338495.65670111	4396372.336876541	2876.9145270278519	2841.763951382794	2842.811942963217	2842.811942963217	35.026768316235	39.8803706278927
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529	362	26769	-22461.14133	1300657.3170250766	39.7054971340972	-100.8792218	338897.8316821329	4396379.24						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatThvKrg.	SatThvBoth.
611	362771	31658.8586730335	1005657.310250766	39.70547125664676	-100.686987	355377.63820426207	4396428.619573236	2177.727197	2680.163046688028	2696.9801103541	2685.8727119007485	13.17703565288643	14.290334767279335	
612	362762	32318.8586730335	1005657.310250766	39.70546905159509	-100.684645	355578.6054529634	4396424.597217233	2718.0175159753435	2678.91532762491	2680.9643798409515	2680.689496	0	0	
613	362753	32978.8586730335	1005657.310250766	39.7054668212560645	-100.6823103	355779.572665676739	4396420.759391181	2718.3076345455566	2679.8532429135417	2684.0221452572	2692.42736406837122	0	0	
614	362754	33368.8586730335	1005657.310250766	39.7054453526241	-100.679961	3559.534453526241	439615.93825200862	2718.59835200862	2676.3834519534651	2698.353257778005	2697.783288772009	0	0	
615	362755	34298.8586730335	1005657.310250766	39.7054622470913	-100.677622	356181.5063726839	4396412.531540514	2726.368705864579	2675.100669	2699.6446887209104	2699.79935038961	0	0	
616	362756	34958.8586730335	1005657.310250766	39.7054598205326	-100.67527778	356387.4598205326	4396408.51	2741.6194532417347	2673.807371	2697.9587792472234	2697.87516632432	0	0	
617	362757	35618.8586730335	1005657.310250766	39.705457400875	-100.6729336	356583.498672362	4396404.48891535	2756.870286188903	2672.055276878297	2695.1413352628315	2694.857205952498	0	0	
618	362758	36278.8586730335	1005657.310250766	39.7054549022563	-100.6705894	356784.40607481825	4396406.467950543	2772.12106799046	2671.195062701288	2697.471362	2691.9036892134236	0	0	
619	362759	36938.8586730335	1005657.310250766	39.70545208153926	-100.6684562	356985.9273208765	4396418.2191464	2788.032841755667	2669.887144450074	2698.5902659811	2698.658121678995	0	0	
620	362760	37598.8586730335	1005657.310250766	39.70544967	-100.665011	357186.33479529	4396392.42716413	2798.33420390678	2668.553825540267	2698.44462052834	2698.08134161222	0	0	
621	362761	38258.8586730335	1005657.310250766	39.7054726814469	-100.6635569	357387.30448526016	4396388.40647707	2790.874295280476	2667.225459886094	2683.64581943388	2684.33708481135	0	0	
622	362762	38918.8586730335	1005657.310250766	39.70544462	-100.6612127	357588.270356925	4396384.386	2795.231816655418	2665.893630797851	2680.922639764448	2680.8546280438354	0	0	
623	362763	39578.8586730335	1005657.310250766	39.70544192698112	-100.6588685	357789.2360920276	4396370.387	2800.947671313022	2664.559723875946	2678.2226104254305	2678.396790370206	0	0	
624	362764	40238.8586730335	1005657.310250766	39.7054391846464	-100.6565243	357990.2016905176	4396373.747029878	2807.954993470884	2663.224846410851	2673.98423835154	2674.366351620141	0	0	
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626	362766	41558.8586730335	1005657.310250766	39.70543305	-100.651836	358392.13247900945	4396368.308577328	2821.969837786546	2660.564848698437	2660.71138240323	2661.198308265086	0	0	
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632	362772	45518.8586730335	1005657.310250766	39.70541659495046	-100.6377705	359597.9210889484	4396344.1987793	2795.35625337177	2652.807112052458	2638.117795583697	2635.8341035017568	13.69031853417402	14.1959008697847	
633	362773	46218.8586730335	1005657.310250766	39.7054143874754	-100.6354274	359798.86982374	4396338.18219464	2794.619843155828	2651.78077008062	2644.874724043264	2637.947128434264	13.1146653863434	0	
634	362774	46838.8586730335	1005657.310250766	39.70540931	-100.6330285	359999.8034119643	4396336.164034298	2795.8302953047	2650.343028967547	2642.489277776317	2644.87474693658	7.85153020437348	7.9555514509758	
635	362775	47498.8586730335	1005657.310250766	39.70540068	-100.6307384	360200.81442482904	4396332.1470100805	2808.84738312824	2649.149125036345	2644.873522630675	2644.803254179154	7.54540024078045	7.6855857289805	
636	362776	48158.8586730335	1005657.310250766	39.70540297	-100.628392	360401.778401464	4396328.130216915	2801.22591052889	2647.980928261557	2647.760459984973	2647.895169033467	0.2748822303696805	0.085759228	
637	362777	48818.8586730335	1005657.310250766	39.705399651601	-100.626045	360602.742245395	4396324.135655424	2793.6106712204914	2646.840861056305	2649.698064505267	2649.827517304335	0	0	
638	362778	49478.8586730335	1005657.310250766	39.7053960396182	-100.6237058	360803.7095938114	4396320.97325597	2785.9953141509586	2645.730882176962	2651.214473046856	2651.258143310265	0	0	
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640	362780	50738.8586730335	1005657.310250766	39.7053903128976	-100.6191775	361205.620379124	4396312.05360899	2784.0312972589179	2643.80912597736	2653.60772397	2653.60772397	0	0	
641	362781	51458.8586730335	1005657.310250766	39.7053870546832	-100.6166733	361406.5962821161	4396308.40726012	2784.348761	2642.599807620581	2654.348312451102	2654.00443	0	0	
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643	362783	52778.8586730335	1005657.310250766	39.70537851863625	-100.611985	361808.5220537653	4396300.01951109	2800.4160720274067	2640.695045	2653.7142885201497	2653.865509896073	0	0	
644	362784	53438.8586730335	1005657.310250766	39.70537491	-100.6094068	362009.4854153634	4396296.004211081	2797.957379793637	2639.8022043532274	2653.12719005237	2653.12719005237	0	0	
645	362785	54098.8586730335	1005657.310250766	39.70537121800593	-100.6072968	362210.4481951499	4396291.39	2795.4986757596623	2638.9504988379385	2651.72633145525	2652.593758454286	0	0	
646	362786	54758.8586730335	1005657.310250766	39.70536814914517	-100.6050524	362411.4109	4396287.07502612	2794.6770502612	2638.40205627419	2652.4019813715217	2652.4019813715217	0	0	
647	362787	55418.8586730335	1005657.310250766	39.705363702959284	-100.6028083	362633.9733908215	4396283.9637806562	2793.6158197454623	2637.7771747214	2653.3283863567	2650.290521100241	0	0	
648	362788	56078.8586730335	1005657.310250766	39.70535987755404	-100.6002641	362813.3524361246	4396279.7947	2791.226197979374	2636.6486323014515	2647.542624111028	2649.10756219707	0	0	
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650	362790	57398.8586730335	1005657.310250766	39.70535209	-100.5955757	363215.2601188825	4396271.919	2790.446553470453	2635.32512496924	2645.127853	2645.995301	0	0	
651	362791	58058.8586730335	1005657.310250766	39.70534812950719	-100.5932316	363416.2221100138	4396267.960115201	2791.5128703303163	2634.7268293755446	2643.475396210448	2643.54771739203	0	0	
652	362792	58718.8586730335	1005657.310250766	39.70534412291476	-100.590874	363617.1839704213	4396263.903277275	2794.034321937624	2633.718393949	2642.0623996318	2642.9148148257396	0	0	
653	362793	59418.8586730335	1005657.310250766	39.70534037170338	-100.588580	363818.2705109194	4396259.880171787	2793.045847145828	2632.645749137894	2640.471937817894	2640.471937817894	0	0	
654	362794	60038.8586730335	1005657.310250766	39.7053357398474	-100.586199	364019.1072998872	4396255.967347383	2790.077223518623	2631.791918699	2638.152967958671	2638.91577949876	0	0	
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656	362796	61358.8586730335	1005657.310250766	39.7053276436124	-100.5815107	364421.031089261	4396247.84299304	2789.83378774683	2632.347125723077	2634.976134748867	2634.976134748867	0	0	
657	362797	62018.8586730335	1005657.310250766	39.7053231062696	-100.5791665	364621.99311880153	4396243.831	2782.83863025027	2631.9822701045357	2634.231329	2634.666183	0	0	
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659	362799	63338.8586730335	1005657.310250766	39.70531498063804	-100.5744789	365023.919352862	4396235.90787743	2786.862330789743	2631.4043869623186	2637.041012169745	2637.041012169745	0	0	
660	362800	63998.8586730335												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt	BRiElevKgr.f	BRiElevBothKgr.f	SatHtLog.f	SatHtBoth.f
732	362	267877	114818.85867307335	1030657.3170250766	39.70483804477405	-100.3916339	380688.486356472	4395923.626	2650.4255625158034	25.72	25.6246425444937	25.6124198313803	54.2326421311337	54.41467183793974
736	362	267878	114788.85867307335	1030657.3170250766	39.70483013312112	-100.3892898	380899.4377241521	4395919.635689975	2661.7766039004043	25.70	25.6262425427283	25.6156716221333	54.3945523059917	53.6189475301618
739	362	267879	115136.85867307335	1030657.3170250766	39.704821186477408	-100.3868456	381100.38869846416	4395915.64	2656.78170571504	25.68	25.610224192417386	25.61301022210945	52.8991138518717	51.8480982624033
740	362	267880	115678.85867307335	1030657.3170250766	39.70481419454637	-100.3840051	381301.30416294114	4395917.68358	2646.740273568354	25.67	25.603522220214	25.61735252220214	51.7385252756339	48.92924520474796
1	363	267881	-370941.1413	1031317.3170250766	39.7001836321129	-102.1168977	323278.09883618413	4399127.143148727	3730.8762177125832	35.70	35.01924016317	35.0513609902735	67.0985068104728	64.9736109240277
2	363	267882	-370281.1413	1031317.3170250766	39.700209112356106	-102.1145539	323959.188897334	4399122.97753641	3730.150561714634	35.68	35.02693336377	35.05248373826795	65.40547122509728	62.82276273073274
3	363	267883	-369621.1413	1031317.3170250766	39.7002344622845	-102.1222101	323160.27896431201	4399118.812	3730.232625446641	35.66	35.021554266421	35.05183283232074	65.0861809680248	62.01168176017916
4	363	267884	-368961.1413	1031317.3170250766	39.70025983481741	-102.1098663	323361.368227894	4399114.647	3731.1006543881545	35.64	35.021462159973	35.056404878139457	65.40546339957048	61.74091731256682
5	363	267885	-368301.1413	1031317.3170250766	39.70028512813378	-102.1076225	323562.45749489645	4399110.482151227	3731.944686148895	35.62	35.02102961307	35.066745825826519	65.16255456308814	61.4254068262016
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7	363	267887	-366981.1413	1031317.3170250766	39.70033557883737	-102.1028349	323964.6523986127	4399103.13073066	3735.4211083081306	35.58	35.0413014152383	35.06470179522562	65.0557321620705	62.05712189265175
8	363	267888	-366321.1413	1031317.3170250766	39.70037036425196	-102.1004912	324165.7237168892	4399097.98	3739.655684578314	35.56	35.07030081917	35.05427141056373	65.04857473898564	62.0528618306077
9	363	267889	-365661.1413	1031317.3170250766	39.70038584863629	-102.0981474	324366.811930587	4399083.62944287	3743.910604918724	35.54	35.03818870754	35.05432114195385	65.047660767507	61.45417762
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11	363	267891	-364341.1413	1031317.3170250766	39.70045994	-102.0934598	324768.987688918	4399085.497762138	3748.09756530174	35.49	35.047105975806	35.053731403970893	65.0445804904229	61.40825959312573
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17	363	267897	-360381.1413	1031317.3170250766	39.70058512	-102.079397	325975.58018507094	4399060.521900293	3687.1635421471381	35.37	35.0675474060378	35.049216204261497	65.049137260241697	61.44859379888105
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20	363	267900	-358401.1413	1031317.3170250766	39.7006590470242	-102.072355	326576.746054602	4399048.03166612	3669.218776459533	35.31	35.02926141062	35.048319250225884	65.048319250225884	61.44850369579951
21	363	267901	-357741.1413	1031317.3170250766	39.7006836359301	-102.0700217	326797.8500303247	4399037.62367	3668.1237468290329	35.29	35.069044839523	35.048065501397254	65.048065501397254	61.44850369579951
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24	363	267904	-355761.1413	1031317.3170250766	39.7007509860427	-102.0629093	327383.1036768804	4399031.39470267	3666.26381615288	35.23	35.061146273847	35.047160554693445	65.047160554693445	61.44850369579951
25	363	267905	-355001.1413	1031317.3170250766	39.7007781488384734	-102.0606466	327584.1897	4399027.3758413141	3664.4516892301341	35.21	35.06975854329	35.04876554483218	65.04876554483218	61.44850369579951
26	363	267906	-354341.1413	1031317.3170250766	39.7008052889756	-102.058302	327774.2174408045	4399023.074902782	3663.2198456271	35.19	35.06944261844	35.047162618444	65.047162618444	61.44850369579951
27	363	267907	-353781.1413	1031317.3170250766	39.70083012611572	-102.0559588	327966.35488315564	4399019.14409185	3665.810731606383	35.17	35.070032785042	35.047776603130704	65.04776603130704	61.44850369579951
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29	363	267909	-352461.1413	1031317.3170250766	39.70087858	-102.0512712	328388.52122392318	4399010.595272401	3662.3210192723016	35.13	35.067919084171	35.04786368082313	65.04786368082313	61.44850369579951
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31	363	267911	-351141.1413	1031317.3170250766	39.70092862267075	-102.0468585	328790.68652741954	4399002.78402027	3607.882351784275	35.09	35.0639728276848	35.04752409599413	65.04752409599413	61.44850369579951
32	363	267912	-350481.1413	1031317.3170250766	39.70095321378855	-102.0442397	328991.76874153008	4398998.11540315	3607.127633557304	35.07	35.06975854329	35.04876554483218	65.04876554483218	61.44850369579951
33	363	267913	-349821.1413	1031317.3170250766	39.7009745667015	-102.0418658	329187.50960726882	4398993.9611277137	3602.02696342198	35.04	35.064313851847	35.047543043485858	65.047543043485858	61.44850369579951
34	363	267914	-349161.1413	1031317.3170250766	39.70099839585715	-102.039552	329393.9323944035	4398989.03250678	3569.02628212147	35.01	35.06420315176	35.04766403	65.04766403	61.44850369579951
35	363	267915	-348501.1413	1031317.3170250766	39.701002287	-102.0372082	329595.0138451451	4398986.6450919	3568.62840473266	35.00	35.0692927348994	35.048733619536689	65.048733619536689	61.44850369579951
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37	363	267917	-347181.1413	1031317.3170250766	39.701070808147674	-102.0325205	329997.17594062181	4398977.33091495	3592.752572325369	34.98	35.061874690056	35.047106919237912	65.047106919237912	61.44850369579951
38	363	267918	-346521.1413	1031317.3170250766	39.701075722215	-102.0301767	330198.2566077925	4398973.78118116	3584.614342516	34.96	35.063931109027	35.047333023613471	65.047333023613471	61.44850369579951
39	363	267919	-345861.1413	1031317.3170250766	39.70118162181926	-102.0274783	330401.14893781926	4398971.4248181926	3581.4248181926	34.95	35.06975854329	35.04876554483218	65.04876554483218	61.44850369579951
40	363	267920	-345201.1413	1031317.3170250766	39.7011418698371	-102.025489	330600.14710733964	4398964.86002466	3523.413024428846	34.93	35.061424028846	35.047543043485858	65.047543043485858	61.44850369579951
41	363	267921	-344541.1413	1031317.3170250766	39.701165533179996	-102.0231451	330801.4970665292	4398960.703692793	3611.7899592817155	34.92	35.0629323161106	35.0482150905892123	65.0482150905892123	61.44850369579951
42	363	267922	-343881.1413	1031317.3170250766	39.7011891524329	-102.0208013	331002.57670620424	4398956.547559773	3640.165544907447	34.91	35.06712602328	35.04821512421		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
123	363	268003	-290421.1413	1031317.310250766	39.702951842269336	-01.830945	25789.198401025083	4398620.6860523755	3362.3465547688398	3322.465951330968	3329.552394	3329.505606869032	3312.355687972782	52.96029460293957
124	363	268004	-289761.1413	1031317.310250766	39.70297174735258	-01.828001	25740.2540124158411	4398616.549305305	3493.926251067268	3340.5406952574373	3327.642158544022	3327.642158544022	54.59323436197465	54.29637274929344
125	363	268005	-289101.1413	1031317.310250766	39.702961602723486	-01.826257	25789.1813733544	4398612.412784747	3480.487747366595	3381.421932351556	3328.012965841756	3328.012965841756	55.30336485914156	55.30336485914156
126	363	268006	-288441.1413	1031317.310250766	39.703011421759589	-01.823911	25782.379021702001	4398608.726505004	3483.049643661224	3380.9114319204614	3327.817737143256	3326.903652061755	56.039652061755	56.039652061755
127	363	268007	-287781.1413	1031317.310250766	39.703031191074665	-01.821561	25800.43060774237	4398604.104613005	3475.4818324106675	3380.813427435003	3322.44842665981857	3322.44842665981857	57.96458473981738	57.46577941859687
128	363	268008	-287121.1413	1031317.310250766	39.70305092	-01.8192252	25829.448895970752	4398601.04653629	3467.785134069274	3379.3906144570646	3320.6179060219614	3321.096319434716	58.33045584825	58.83382125392976
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id	ic	X.R	Y.R	Latitude	Longitude	UTM.X	UTM.Y	SurElev	W.L.R	BRelevLogskg.R	SR1ElevAtm	SatElevLogskg	SatElevBoth.R	
249	263	28130	-207261.143	13.131717	105.070676	96.701503284765125	-11.535598	28220.85004719044	398.0713171793986	3473.394345430164	3260.268234877465	3154.690447140266	55.777773719929	128.533233239004
250	263	28130	-206601.143	13.131717	105.070676	96.70151484171346	-11.5352527	282821.8808194272	398.090724275512	3474.884841679747	3258.961500145473	315.919856219237	55.2939376336743	128.00951499232362
251	263	28131	-205941.143	13.131717	105.070676	96.70151638219375	-11.5301086	283022.9131738287	398.090789822244	3468.222655817924	3257.641643617903	315.6527011792497	55.32084295837081	128.05435182541853
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253	263	28133	-204621.143	13.131717	105.070676	96.70151589616216	-11.5262204	283434.9718567139	398.0888848390914	3462.5835928996322	3254.962418957534	315.5198167769294	31.58158218277378	128.04562311882397
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255	263	28135	-203301.143	13.131717	105.070676	96.7015187011773	-11.5213522	283827.031484131	398.0888848390914	3456.810295478974	3252.2206733812575	314.5845230417759	31.72830645942073	128.07052602100371
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258	263	28138	-201321.143	13.131717	105.070676	96.7052294486784	-11.5145999	284430.1193321367	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
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261	263	28141	-199341.143	13.131717	105.070676	96.705269755420565	-11.5072738	285043.23350218014	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
262	263	28142	-198681.143	13.131717	105.070676	96.70527995181161	-11.5045224	285256.2893204526	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
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264	263	28144	-197361.143	13.131717	105.070676	96.70531152057708	-11.5004352	285636.2893204526	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
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272	263	28152	-192081.143	13.131717	105.070676	96.70541841361137	-11.481623	287244.5041901567	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
273	263	28153	-191421.143	13.131717	105.070676	96.7054315117175	-11.4793828	287445.5030152988	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
274	263	28154	-190761.143	13.131717	105.070676	96.7054446117175	-11.477146	287646.5019152988	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
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276	263	28156	-189441.143	13.131717	105.070676	96.70546772886576	-11.4723058	288048.066	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
277	263	28157	-188781.143	13.131717	105.070676	96.70548375	-11.4696917	288249.363169074594	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
278	263	28158	-188121.143	13.131717	105.070676	96.7054968039107	-11.467175	288450.656566277	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
279	263	28159	-187461.143	13.131717	105.070676	96.705509596720265	-11.4647234	288651.6817341275	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
280	263	28160	-186801.143	13.131717	105.070676	96.70552407629304	-11.4622923	288862.760595059	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
281	263	28161	-186141.143	13.131717	105.070676	96.7055386129378	-11.4598491	289073.8289175278	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
282	263	28162	-185481.143	13.131717	105.070676	96.70555393224416	-11.458241	289295.4759355747	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
283	263	28163	-184821.143	13.131717	105.070676	96.7055686053807	-11.4558989	289548.77835616	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
284	263	28164	-184161.143	13.131717	105.070676	96.7055731819076	-11.4535258	289856.8014689139	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
285	263	28165	-183501.143	13.131717	105.070676	96.7055893256491	-11.4512086	289852.84895823	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
286	263	28166	-182841.143	13.131717	105.070676	96.705600165258	-11.4488645	290058.8481166392	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
287	263	28167	-182181.143	13.131717	105.070676	96.705610935788	-11.446517	290269.84814782	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
288	263	28168	-181521.143	13.131717	105.070676	96.70562530974444	-11.4441675	290480.8940450938	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
289	263	28169	-180861.143	13.131717	105.070676	96.70563937202216	-11.4418321	290691.616644075	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
290	263	28170	-180201.143	13.131717	105.070676	96.7056482514375	-11.439488	290890.3240023162	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
291	263	28171	-179541.143	13.131717	105.070676	96.70565667798455	-11.4371439	291063.96123543475	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
292	263	28172	-178881.143	13.131717	105.070676	96.7056729651647	-11.4347997	291264.983223636	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
293	263	28173	-178221.143	13.131717	105.070676	96.70568912742828	-11.4324556	291465.0060713347	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
294	263	28174	-177561.143	13.131717	105.070676	96.705705257078	-11.430167	291666.028902875	398.0686143629119	3458.391763846585	3249.475187156716	314.7128647486727	31.72830645942073	128.07052602100371
295	263	28175	-176901.143	13.131717	105.070676	96.70570959	-11.427767							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVEKgrg.ft	BRIEVEBothKgr.ft	LatElev.Kgr.ft	SurfBothKgr.ft
375	363	268255	-12401.1413	1031317.310250766	39.70653575247204	-101.240234	307949.1144825296	439785.670001907	3196.2920517798107	3064.595353128027	3023.5589090444575	3014.6501914921078	41.0346524835692	49.9451616391925
376	363	268256	-12344.1413	1031317.310250766	39.70654425845928	-101.237889	308150.1199945809	4397581.592493359	3196.747457015611	3062.60624101407864	3025.895015148936	3018.66776950338026	36.75022626195046	43.9384719090469
377	363	268257	-12278.1413	1031317.310250766	39.7065521636301	-101.235456	308351.125188489	4397573.515219307	3196.208625910434	3058.683634771486	3027.899024222048	3025.14339839867	32.89165106	37.96983830175265
378	363	268258	-12211.1413	1031317.310250766	39.7065611901833	-101.233204	308552.1304594067	4397573.4813791326	3194.658267	3058.533793434644	3028.734326730326	3025.48992734030326	29.7989050911803	33.7433004031814
379	363	268259	-12146.1413	1031317.310250766	39.70656947365274	-101.2308572	308753.1354065005	4397569.361373048	3195.4303675930315	3065.4605601748767	3026.3026708473344	3024.568673603885	30.17889327542307	31.89188675091574
380	363	268260	-12080.1413	1031317.310250766	39.70657778842377	-101.228513	308954.1041694104	4397565.284801026	3192.5820955968075	3054.367149684076	3018.22843332249	3017.3817623485456	36.1317815182163	37.00518715254995
381	363	268261	-12014.1413	1031317.310250766	39.706586506519383	-101.226168	309155.1447462008	4397562.24834063	3190.25329943367	3052.25329943367	3006.2429627308197	3004.256673027986	46.0123672125465	46.91932681538032
382	363	268262	-11948.1413	1031317.310250766	39.70659427665744	-101.223826	309356.1491366379	4397557.123891545	3186.719907120561	3050.12329357081875	2994.812736717433	2993.80620729798	51.3642203464419	52.3716841021466
383	363	268263	-11882.1413	1031317.310250766	39.706597062045	-101.221484	309557.1534049263	4397553.056489291	3184.938966265094	3047.962486978764	2986.532682176985	2986.532682176985	47.61458940690526	47.61458940690526
384	363	268264	-11816.1413	1031317.310250766	39.70661058373255	-101.219192	309758.1573597233	4397548.98053473	3150.19453139318	3045.84839545717	2987.3332552175	2980.488337126747	63.514620542228	65.390583303235
385	363	268265	-11750.1413	1031317.310250766	39.70661868983435	-101.216792	309959.1619181838	4397544.00541664	3141.81256362542	3040.9103064017357	2980.103064017357	2978.107132556993	63.59658918564219	65.5279063037001
386	363	268266	-11684.1413	1031317.310250766	39.70662670971706	-101.214478	310160.1648389703	4397540.83023892	3133.430544113766	3041.5497294020165	2976.502382050133	2977.12431070870083	65.0472435196321	64.42541931500818
387	363	268267	-11618.1413	1031317.310250766	39.706634704756176	-101.2121037	310361.13867	4397536.75530114	3123.89548015847	3039.38730855256	2976.0876587401517	2976.64497950203	63.31104511150141	62.751205905002736
388	363	268268	-11552.1413	1031317.310250766	39.70664265450672	-101.209759	310562.17157736496	4397532.68050347	3113.207162222147	3037.2481162222147	2975.76731506735	2976.376147273896	61.49138471587776	60.89044205
389	363	268269	-11486.1413	1031317.310250766	39.706650595897258	-101.2074193	310763.1746699972	4397528.068184577	3107.519265162222	3035.100131912447	2975.885191283917	2975.225087420477	59.21494062530326	59.87504449219332
390	363	268270	-11420.1413	1031317.310250766	39.70665841814214	-101.205071	310964.1775812234	4397524.1581793	3091.8311574851396	3032.36784150135	2975.60700207275	2974.9700764616	57.3572220572277	57.987072888977
391	363	268271	-11354.1413	1031317.310250766	39.7066662302696	-101.2027269	311165.1862684094	4397520.47649648	3082.739142832044	3030.824149190137	2975.753982255168	2974.63094887017	55.1071689634971	56.1940534031372
392	363	268272	-11288.1413	1031317.310250766	39.70667400062317	-101.2003827	311366.182836638	4397516.38491153	3075.243221207116	3028.700877	2974.985662576958	2973.9321456120083	53.75214317124264	54.76847728210719
393	363	268273	-11222.1413	1031317.310250766	39.70668172380785	-101.1980385	311567.18519103236	4397512.30672684	3071.72795810271	3026.590861426504	2974.5381115577184	2972.984325781754	52.82943656470567	53.6063566470567
394	363	268274	-11156.1413	1031317.310250766	39.70668940194971	-101.1956943	311768.1873613034	4397508.213361363	3060.2517179549395	3024.46916942165	2973.656738048205	2972.5511486168184	50.5043189734464	51.94502132346715
395	363	268275	-11090.1413	1031317.310250766	39.70669704368004	-101.1933501	311969.189347965	4397504.164393395	3049.140571326718	3022.418829487898	2973.46172295871	2972.851347428354	49.70176999527076	49.56748120508336
396	363	268276	-11024.1413	1031317.310250766	39.706704422126105	-101.1910508	312170.1915102196	4397500.91473558	3040.2248769581833	3020.360974447941	2973.650524947481	2973.313694400957	46.87005150045998	47.4728240234938
397	363	268277	-10958.1413	1031317.310250766	39.706712164274806	-101.1887162	312371.1989959136	4397500.17217853	3030.039168909162	3018.624869223587	2972.81990224563	2972.81990224563	42.785217157483	42.785217157483
398	363	268278	-10892.1413	1031317.310250766	39.706719661138834	-101.1863174	312572.1940276934	4397491.547	3020.854395425563	3016.31304697703	2971.4403973117152	2970.2561376118437	44.87235392367654	45.096585765493
399	363	268279	-10826.1413	1031317.310250766	39.70672711271438	-101.1839732	312773.1954616582	4397487.473949005	3020.404554213623	3014.3248291474	2969.7083304028174	2968.008019852294	44.61995110793495	56.24746165
400	363	268280	-10760.1413	1031317.310250766	39.70673451900119	-101.181629	312974.1965329753	4397483.80250433	3020.090865	3012.37608380777	2967.3152375420063	2961.509755824412	45.06004626577058	50.8663273834954
401	363	268281	-10694.1413	1031317.310250766	39.706741879999235	-101.1792848	313175.1974218568	4397479.38043963	3019.974776438965	3010.458849436562	2964.833814365204	2961.557838774345	46.00909656	48.9009656
402	363	268282	-10628.1413	1031317.310250766	39.70674919570875	-101.1769002	313376.1981258005	4397475.659418394	3018.864484245983	3008.579717466341	2960.080420245103	2960.080420245103	48.4988784186004	49.0763309814797
403	363	268283	-10562.1413	1031317.310250766	39.706756466129968	-101.1745817	313577.198631326	4397473.586289837	3018.05277103485	3006.65277103485	2959.71900224563	2959.71900224563	48.7308028422804	49.216984686985
404	363	268284	-10496.1413	1031317.310250766	39.70676391269476	-101.1722522	313778.1989959136	4397467.51721853	3016.34500452033	3004.905732657935	2958.473257175909	2958.473257175909	49.113577044985	49.113577044985
405	363	268285	-10430.1413	1031317.310250766	39.706770871103785	-101.169908	313979.1991571315	4397463.45645887	3014.032289744523	3003.209852455956	2956.572284301574	2956.46251928354	46.63756812	46.7465982632104
406	363	268286	-10364.1413	1031317.310250766	39.70677800565796	-101.1675368	314180.1991369243	4397459.37605979	3013.52472342777	2953.761531921954	2953.6837676599596	2952.7628191505816	47.7628191505816	47.84050483813128
407	363	268287	-10298.1413	1031317.310250766	39.7067850492327	-101.1652196	314381.1989355134	4397455.305804515	3017.412205375262	2999.897586256527	2947.500803133794	2947.1376822029893	52.39674549185884	52.75996624266346
408	363	268288	-10232.1413	1031317.310250766	39.70679213889974	-101.1628754	314582.1985631096	4397451.27267862	3016.9423325063	2947.27729808407	2941.399969	2941.0753246710543	56.3671429243244	56.3671429243244
409	363	268289	-10166.1413	1031317.310250766	39.706799137587375	-101.1595832	314787.1979699171	4397447.16959548	3016.753247175187	2996.839304113123	2950.02006898246	2950.02006898246	60.7402353305814	60.8032598485425
410	363	268290	-10100.1413	1031317.310250766	39.70680634962164	-101.157187	314984.197414405	4397443.09641727	3015.425180278322	2995.741732054358	2947.71892946258	2947.71892946258	62.0542110716971	62.0542110716971
411	363	268291	-10034.1413	1031317.310250766	39.70681299909614	-101.1550428	315185.1962319523	4397439.07121769	3014.931081205486	2994.62732657895	2947.633247295173	2947.633247295173	62.8249616674515	62.8249616674515
412	363	268292	-9968.1413	1031317.310250766	39.70681986	-101.1534985	315386.195216781	4397434.95036158	3014.935186710055	2992.050934930325	2951.528885153208	2951.862327776176	61.27620833962428	60.942751866564
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415	363	268295	-9770.1413	1031317.310250766	39.7068401786466	-101.1464659	315989.19082577265	4397422.75179914	3010.943876730174	2989.455624859378	2951.893465772876	2951.893465772876	55.1624958005285	55.1624958005285
416	363	268296	-9704.1413	1031317.310250766	39.70684686031504	-101.1441217	316190.198077553	4397418.06426879	3010.27298532038	2988.483599717369	2950.569451032407	2950.569451032407	57.914148792813	57.914148792813
417	363	268297	-9638.1413	1031317.310250766	39.7068534962164	-101.141878	316391.1981698404	4397414.03621967	3009.531831031967	2987.43104816825996	2949.83104816825996	2949.83104816825996	59.216984686985	59.216984686985
418	363	268298	-9572.1413	1031317.310250766	39.706860078777867	-101.1394333	316592.1849196821	4397410.54842613	3008.74176872165	2986.74176872165	2949.015972951005	2949.015972951005	61.4721330081526	61.4721330081526
419	363</													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtElev.f	SatHtBoth.f
500	363	268381	-4091.14133	30.713173170250766	39.70274926958745	-00.9448625	333274.40059904254	4397073.745	282.4712610184466	2888.155458	2852.471759869254	2854.18523231819515	32.67829824888577	33.702792594
502	363	268382	-40291.14133	30.713173170250766	39.702752505636554	-00.9425182	333475.3842235332	4397069.666262982	2924.200563220056	2886.290172207338	2851.0792304334873	2852.7670597665429	35.21094177380516	33.51511254009883
503	363	268383	-39621.14133	30.713173170250766	39.70275470785246	-00.940074	333676.3678627019	4397065.648818134	2921.415821348346	2884.089878019023	2850.32222367424	2851.191102298624	34.09875034347814	33.288927035020719
504	363	268384	-38961.14133	30.713173170250766	39.7027549044067	-00.9378207	333877.35078866535	4397061.601206323	2918.94767455377	2884.907771713557	2849.516837625377	2849.516837625377	30.05091240931625	32.9572789324235
505	363	268385	-38301.14133	30.713173170250766	39.7027614458712	-00.9354855	334078.332826622	4397057.536877534	2916.477087423318	2880.01098990421	2848.2869299996	2848.0674583822943	33.12722969043625	32.54251356747682
506	363	268386	-37641.14133	30.713173170250766	39.70276275	-00.9331413	334279.3167097948	4397045.506821596	2914.005054967294	2878.7045734755085	2846.129734097272	2846.4582093871245	32.578733782306315	32.255664803445547
507	363	268387	-36981.14133	30.713173170250766	39.70276531909271	-00.930797	334480.2943293745	4397049.45978891	2911.338409104594	2876.825444	2844.9144455934747	2845.2563054971147	31.019088237855438	31.56913834145547
508	363	268388	-36321.14133	30.713173170250766	39.7027672594085	-00.9284258	334681.2819885376	4397045.413089219	2908.472812238185	2874.963903287233	2843.97302195528	2844.2456246911573	31.00458247344197	30.7347641352947
509	363	268389	-35661.14133	30.713173170250766	39.702769259663	-00.9259198	334862.2640875566	4397041.3666421436	2905.67122715371783	2869.67122715371783	2843.96888275625	2843.96888275625	30.1198432556122	29.8382297116528994
510	363	268390	-35001.14133	30.713173170250766	39.7027727014765	-00.9237463	335083.2465265056	4397037.320429838	2902.741618053777	2871.495838	2841.984078337148	2841.975369132625	29.511769776977365	29.511769776977365
511	363	268391	-34341.14133	30.713173170250766	39.70277509931665	-00.9214201	335284.2287059417	4397033.274477806	2900.6769157314	2869.834221469875	2839.21341698643	2839.21341698643	30.626005160344448	30.5683215
512	363	268392	-33681.14133	30.713173170250766	39.70277431319567	-00.9190758	335485.210625733	4397029.22869939	2901.673490264073	2868.21000224075	2836.064919845137	2836.064919845137	32.1450603961486	32.14201381881139
513	363	268393	-33021.14133	30.713173170250766	39.70277972	-00.9167316	335686.1923650513	4397025.183185028	2901.916640299633	2866.58395049207	2832.7079959514135	2832.7079959514135	33.879630946842964	33.87963094793374
514	363	268394	-32361.14133	30.713173170250766	39.7027819650429	-00.9143874	335887.137987288	4397021.19793058	2902.1597179733727	2864.944340577225	2829.2403555946116	2829.2403555946116	35.70407849316539	35.76532672540452
515	363	268395	-31701.14133	30.713173170250766	39.70278416309324	-00.9120431	336088.1554285646	4397017.129240529	2900.19246208526	2863.281084185224	2825.589724244301	2825.589724244301	37.6914943623234	37.61800609290763
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521	363	268401	-27741.14133	30.713173170250766	39.7027964006561	-00.8979777	337294.0047717484	4396982.74231057	2882.20708910967	2852.51078155588	2816.95380950935	2816.95380950935	35.5528870579927	36.7202938447866
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545	363	268425	-11901.141											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTME	UTM.Y	SurfElev.	W.Lt.	BRrElevLogsKrg.ft	BRrElevBothKrg.ft	SatHtElevKrg.ft	SatHtBoth.ft
627	363	268507	42216.8586730335	1031317.310250766	39.70274374586061	-100.494948	35897.1209452318	3496565.519301036	2812.8835680124116	2657.348871474569	2653.7080028754617	2654.2722428	3.640886899107307	3.703644238482925
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630	363	268510	44198.8586730335	1031317.310250766	39.70273485075664	-100.4424553	35890.015066775	3496561.4267859532	2782.59151843953	2653.426878794242	2642.714690736789	2647.70278605832945	10.5769725847765	10.5769725847765
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671	363	268551	71258.8586730335	1031317.310250766	39.70270734311716	-100.3463148	367439.4472415456	3496388.912	2789.959575028944	2629.6945731814335	2617.706393	2617.876255220467	11.88810966338646	11.81830736938646
672	363	268552	71918.8586730335	1031317.310250766	39.70270672062809	-100.3439976	367640.40628572064	3496384.90348306	2801.0414941529427	2629.81945831097	2616.87451329427	2615.0095943347581	14.9339281051456	14.9339281051456
673	363	268553	72578.8586730335	1031317.310250766	39.70270625805405	-100.3416534	367841.3650339683	3496380.8991476	2789.703603120703	2629.9107346206105	2611.999060455342			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBotKgr.f	SatHtKgr.f	SatHtBotH.f
13	364	268633	-363021.1413	1037177.310250766	39.70229871624216	-102.0888044	235175.3738588418	4399278.512622991	3731.5195715402087	3554.847005162431	3504.0339504376213	3504.0339504389837	41.05700778621786	41.80335420343624
14	364	268634	-362631.1413	1037177.310250766	39.7023236	-102.086405	235376.42450888164	4399274.35806515	3723.11903727816	3543.82533058515	3501.47232891489	3501.47232891489	42.352102487966295	42.352102487966295
15	364	268635	-361701.1413	1037177.310250766	39.7023484390763	-102.087161	235577.5196983263	4399270.196825263	3713.962139113744	3541.804313541883	3498.42970181166	3498.42970181166	43.748117183329	43.748117183329
16	364	268636	-361041.1413	1037177.310250766	39.70237324	-102.081728	235778.59720219165	4399263.303218981	3744.028313412847	3539.784141096927	3495.922530014063	3495.922530014063	43.861611082896457	43.861611082896457
17	364	268637	-360381.1413	1037177.310250766	39.70239799046186	-102.0794289	235979.68288731633	4399261.870957709	3694.1325490145193	3537.767133344674	3493.06699959277	3492.8896367474	44.7005315119047	44.7005315119047
18	364	268638	-359721.1413	1037177.310250766	39.7024206582191	-102.0770851	236180.76849052166	4399258.708690456	3535.7555210342075	3490.051863240717	3489.044831208574	3489.044831208574	45.7036759	45.7036759
19	364	268639	-359061.1413	1037177.310250766	39.70244735590314	-102.0747412	236381.8538319434	4399253.540772155	3679.1578708983362	3533.748157700898	3486.658268655875	3486.5891499127	47.08986033310446	47.08986033310446
20	364	268640	-358401.1413	1037177.310250766	39.70247197077813	-102.0727937	236582.938931256122	4399245.364874892	3678.941152555705	3531.745367496761	3483.5136690764252	3483.5136690764252	48.138564419149296	48.138564419149296
21	364	268641	-357741.1413	1037177.310250766	39.702504681141	-102.0706358	236784.02397324622	4399240.123420746	3678.724916180735	3529.186319524998	3480.610869890105	3480.610869890105	49.30614724489822	49.30614724489822
22	364	268642	-357081.1413	1037177.310250766	39.7025210468117	-102.0677098	236985.1029148535	4399241.06295901	3550.50857491354	3527.79243713354	3477.03209157207	3477.03209157207	50.459820561477	50.459820561477
23	364	268643	-356421.1413	1037177.310250766	39.7025454350526	-102.0653657	237186.1925901156	4399236.3051125435	3675.435297567976	3525.76239028566	3474.117087944606	3474.117087944606	51.6450323836006	51.6450323836006
24	364	268644	-355761.1413	1037177.310250766	39.70256997714157	-102.0630218	237387.2766287643	4399232.14747959	3668.5047	3523.774662847597	3470.973516274407	3470.973516274407	52.8271970886093	52.8271970886093
25	364	268645	-355101.1413	1037177.310250766	39.702593435554236	-102.060678	237588.30644071426	4399228.2581	3663.574241674942	3521.788901612951	3468.0418518034885	3468.0418518034885	53.9662891868778	53.9662891868778
26	364	268646	-354441.1413	1037177.310250766	39.7026187068697	-102.058341	237789.43432579375	4399224.2088431	3657.6437137284156	3519.801673007397	3467.992510160456	3467.992510160456	55.1590426494103	55.1590426494103
27	364	268647	-353781.1413	1037177.310250766	39.70264305054461	-102.0559902	237990.527486907912	4399210.460947912	3648.981918274272	3517.906869837053	3468.2959504294456	3468.2959504294456	56.3108943235968	56.3108943235968
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29	364	268649	-352461.1413	1037177.310250766	39.70269146642098	-102.0513024	238392.8929439355	4399214.81785966	3615.922114600753	3513.75160073512	3468.415970013123	3468.415970013123	58.433379006396	58.433379006396
30	364	268650	-351801.1413	1037177.310250766	39.70271526841134	-102.0489585	238593.7746406085	4399207.783	3613.9435053996	3511.643976154385	3468.1791899576033	3468.1791899576033	59.4356780678326	59.4356780678326
31	364	268651	-351141.1413	1037177.310250766	39.70273945195075	-102.0466147	238794.85772904285	4399203.63266995	3601.43286126384	3509.420356136394	3468.165953721154	3468.165953721154	61.04226873030875	61.04226873030875
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33	364	268653	-349821.1413	1037177.310250766	39.70278784284249	-102.0419289	239197.01233889757	4399195.30603372	3584.569194030728	3504.4801231930146	3467.71539143363	3467.71539143363	63.6473717956517	63.6473717956517
34	364	268654	-349161.1413	1037177.310250766	39.70281162374811	-102.039383	239398.102846450914	4399191.10528278	3575.17146239717	3501.533150725877	3467.5573654061	3467.5573654061	64.765770616875	64.765770616875
35	364	268655	-348401.1413	1037177.310250766	39.7028359474781	-102.0367683	239599.1848139102	4399189.3639	3568.73729270171	3494.504240259833	3467.453511944843	3467.453511944843	65.7869203232214	65.7869203232214
36	364	268656	-347741.1413	1037177.310250766	39.7028594972292	-102.0348952	239800.254679107	4399182.832108179	3558.397065239617	3496.4231654421624	3468.046436949505	3468.1349214387315	66.7728592481868	66.7728592481868
37	364	268657	-347181.1413	1037177.310250766	39.702883436479197	-102.0325513	240001.34564233245	4399178.61472956	3548.737466209458	3493.703122384932	3468.817875501925	3468.817875501925	67.8825673558333	67.8825673558333
38	364	268658	-346521.1413	1037177.310250766	39.702907245832104	-102.0302074	240202.4620593326	4399170.517286145	3541.6783355054502	3490.783457458957	3470.1250358155933	3470.1250358155933	68.9623039302217	68.9623039302217
39	364	268659	-345861.1413	1037177.310250766	39.70293104909327	-102.0278635	240403.50621912587	4399163.7481548	3524.87597690774	3488.28109	3472.0170123529233	3471.7893599337	69.266203930302217	69.266203930302217
40	364	268660	-345201.1413	1037177.310250766	39.70295475832537	-102.0255196	240604.5861221735	4399162.3033257	3512.63489591378	3485.586958125803	3470.056526701966	3470.056526701966	70.3385849786016	70.3385849786016
41	364	268661	-344541.1413	1037177.310250766	39.7029784227943	-102.0231768	240805.965146712798	4399159.61671278	3502.807296	3482.807296	3470.03372297011	3470.03372297011	71.4238126323214	71.4238126323214
42	364	268662	-343881.1413	1037177.310250766	39.7030024095526	-102.0208118	241006.7581154998	4399150.1298777	3490.15931525856	3480.2440075668	3470.03372297011	3470.03372297011	72.5091273595093	72.5091273595093
43	364	268663	-343221.1413	1037177.310250766	39.70302561434711	-102.0184789	241207.8249158114	4399153.74833871	3488.399341829454	3477.6006294243507	3472.808013434583	3472.808013434583	73.62919591	73.62919591
44	364	268664	-342561.1413	1037177.310250766	39.703049142462646	-102.016164	241408.9031681967	4399154.87274607	3481.16448179304012124	3468.7579364072662	3466.53808220251	3466.53808220251	74.7819738024917	74.7819738024917
45	364	268665	-341901.1413	1037177.310250766	39.70307262529893	-102.0138001	241609.9817903743	4399154.42602214	3473.929621777521	3472.377603369295	3463.76551396328	3463.76551396328	75.8120944139675	75.8120944139675
46	364	268666	-341241.1413	1037177.310250766	39.70309606285991	-102.0114562	241811.0611513506	4399141.267	3526.69476175845	3469.802213416748	3458.4681050629115	3458.4681050629115	76.83042456833027	76.83042456833027
47	364	268667	-340581.1413	1037177.310250766	39.70311945513304	-102.0091212	242012.1326564243	4399141.11867789	3518.845148473126	3467.25357802599142	3449.875434884146	3449.875434884146	77.83696704376129	77.83696704376129
48	364	268668	-339921.1413	1037177.310250766	39.70314280213177	-102.0067683	242213.2161144625	4399139.97505128	3512.35979092071	3464.504240259833	3448.05581451465	3448.05581451465	78.7869203232214	78.7869203232214
49	364	268669	-339261.1413	1037177.310250766	39.703167198350556	-102.0044244	242414.2937214054	4399128.8027704	3506.9480970142217	3462.2450071632454	3446.064606500524	3446.064606500524	79.7869203232214	79.7869203232214
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51	364	268671	-337941.1413	1037177.310250766	39.70321257144965	-101.9997366	242816.4815869272	4399120.494	3592.55836272631135	3457.368824631135	3437.316563944414	3437.316563944414	81.7869203232214	81.7869203232214
52	364	268672	-337281.1413	1037177.310250766	39.70323573732982	-101.9973927	243017.52499297302	4399116.34	3583.139756536713	3454.861738430836	3434.936433477008	3434.936433477008	82.7869203232214	82.7869203232214
53	364	268673	-336621.1413	1037177.310250766	39.7032588793039	-101.9950487	243218.015747471	4399112.185748014	3575.082868531185	3452.6625936071013	3433.084835	3433.084835	83.7869203232214	83.7869203232214
54	364	268674	-335961.1413	1037177.310250766	39.703281933521304	-101.9927408	243419.6179024914	4399108.032067508	3564.2852016165652	3450.33623292304	3431.562508168601	3431.562508168601	84.7869203232214	84.7869203232214
55	364	268675	-335301.1413	1037177.310250766	39.70330748213177	-101.9904973	243620.168192424	4399104.968920245	3554.7841717087	3449.3784171087	3430.78633267992	3430.78633267992	85.7869203232214	85.7869203232214
56	364	268676	-334641.1413	1037177.310250766	39.703329748053946	-101.988017	243821.8297976169	4399109.7540337	3545.801016396701	3429.347803340493	3428.809430247801	3428.809430247801	86.7869203232214	86.7869203232214
57	364	268677	-333981.14											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	W.Lt.f	SatHBoth.f
133	364	268759	-279861.1413	103177.7310250766	36.750578778382763	-101.7934663	260510.2596991262	338758.545799763	3535.6068020208745	3734.075178686438	3296.854554464908	3297.057862498626	77.22062422153022	77.01731681781196
140	364	268760	-279201.1413	103177.7310250766	36.7505691074593304	-101.7911223	260711.31462277833	338675.112693026	3536.7011633433023	3734.7067853032963	3294.1986126764173	3294.3516824120907	79.35012626879056	79.35012626879056
141	364	268761	-278681.1413	103177.7310250766	36.75051615077679	-101.7881763	260912.3696403665	338670.572624416	3537.785524666785	3735.330042484814	3291.6475925842951	3291.6475925842951	81.85411336641289	81.85411336641289
142	364	268762	-277881.1413	103177.7310250766	36.750513524	-101.7864342	261113.4244209178	338678.948667926	3538.88985982657	3732.74073866087	3288.889595198534	3288.853957420206	84.05684214825326	83.98716846289607
143	364	268763	-277221.1413	103177.7310250766	36.75051266857493	-101.7840091	261314.4786681634	3386739.31889554	3538.329652320427	3732.5348154050107	3286.5641760909363	3286.595673307062	85.97063831404136	85.9394814042684
144	364	268764	-276561.1413	103177.7310250766	36.750517329	-101.7817461	261515.53327879027	338671.82127285	3536.427423690533	3732.10830558899	3284.577916064817	3284.616047370475	87.4302332194147	87.4302332194147
145	364	268765	-275901.1413	103177.7310250766	36.75051922412468	-101.779402	261716.58735417362	3386731.05010112	3534.416559548734	3731.65742453391	3283.23266887703	3283.2975195974955	88.42530737018069	88.4497542965457
146	364	268766	-275241.1413	103177.7310250766	36.750211192216868	-101.777058	261917.64119452334	338676.918311032	3532.405694786473	3731.1795171426351	3282.55786814041	3282.5892126581054	88.7318170061255	88.59304485546049
147	364	268767	-274581.1413	103177.7310250766	36.75023001748881	-101.774714	262118.6948003045	338677.756757367	3534.4656486769584	3730.87164187805	3282.65760391655	3282.746145720734	89.6163059716998	89.62548514707104
148	364	268769	-273921.1413	103177.7310250766	36.750248533338	-101.772369	262319.781709455	3386718.05543918	3531.591184024635	3730.13192539928	3283.467212372775	3283.613362396357	86.6454007	86.51856300232946
149	364	268769	-273261.1413	103177.7310250766	36.75056760719502	-101.7700259	262520.8013074305	3386714.52435267	3530.715801821778	3369.558615745835	3284.7835024682356	3285.065517	77.11328658147	84.840309859054517
150	364	268770	-272601.1413	103177.7310250766	36.75029633447278	-101.7676818	262721.8542097077	338670.3931174	3548.804223397174	3368.905361029396	3283.77648902862	3283.74142775241	85.17396708	85.0789233751855
151	364	268771	-271941.1413	103177.7310250766	36.75035001846698	-101.7653377	262922.9068779803	338670.262901741	3548.0632455583584	3368.306312630793	3282.229727238263	3282.043779507147	86.07658539252998	86.0625348604579
152	364	268772	-271281.1413	103177.7310250766	36.75032365617752	-101.7629397	263123.95931245765	338670.123528048	3546.3817181380993	3367.624440438446	3280.809048222184	3280.5568469343064	86.8163921622774	86.71075910413978
153	364	268773	-270621.1413	103177.7310250766	36.750342248940424	-101.760486	263325.011	3386968.02	3504.7010451174807	3366.911184	3275.521043172487	3279.274866739964	87.39201174	87.632721774
154	364	268774	-269961.1413	103177.7310250766	36.75037907574762	-101.7583056	263526.0634805165	338693.872	3513.023703097512	3356.1613691169	3276.29369414202	3276.19039913721	87.86786917495402	87.8706162542463
155	364	268775	-269301.1413	103177.7310250766	36.750379297670704	-101.7559615	263727.1152157196	338698.7428231845	3518.429523336815	3367.575697170386	3277.230178204846	3277.3345070731166	88.1473915119237	88.40306264299287
156	364	268776	-268641.1413	103177.7310250766	36.75037374182755	-101.7536175	263926.30774182755	338695.167615373	3520.928503746126	3364.560273246595	3276.382274266662	3276.623426074668	88.1776642799729	87.9368109719285
157	364	268777	-267981.1413	103177.7310250766	36.75041616547476	-101.7512734	264129.217985132	338681.484200032	3523.427484601932	3367.317605964329	3275.7616232634584	3275.932517761559	87.961827006775	87.87108820276975
158	364	268778	-267321.1413	103177.7310250766	36.75043451482645	-101.7489293	264330.26092116917	338677.355242463	3525.924652772284	3362.804458889643	3275.2046261775486	3275.6348321709427	87.42512303202547	87.42512303202547
159	364	268779	-266661.1413	103177.7310250766	36.750458282260826	-101.7465893	264531.319824845	338673.227	3526.73787093933	3361.9425661757086	3270.9889735843367	3271.1714061137	90.82515211457167	90.82515211457167
160	364	268780	-266001.1413	103177.7310250766	36.75047113	-101.744242	264732.3704965332	338670.989033247	3525.8717071295435	3361.0215171312341	3265.16435853973	3265.16435853973	95.54718547373719	95.6656804121941
161	364	268781	-265341.1413	103177.7310250766	36.75048387812934	-101.7418781	264933.2400938192	338672.9240938192	3524.985116363821	3359.16363821	3264.92172198538	3264.92172198538	96.6737398464393	96.6737398464393
162	364	268782	-264681.1413	103177.7310250766	36.7505075426842	-101.7395531	265134.470430302	338690.84176998	3524.10936317492774	3358.11365949177	3263.8964718216907	3264.3268537846915	95.2201642748513	94.7897820647072
163	364	268783	-264021.1413	103177.7310250766	36.75052358227287	-101.737209	265335.5202015418	338696.713992327	3522.0442311197774	3358.135699719646	3263.39706810934	3268.3511074899125	97.7379208713168	99.78418892973332
164	364	268784	-263361.1413	103177.7310250766	36.750543765770045	-101.734865	265536.57046518096	338682.58460305	3518.7903741696533	3351.38138837178	3262.664411270907	3265.539329197904	97.7379208713168	97.6045993294797
165	364	268785	-262701.1413	103177.7310250766	36.750561825597165	-101.7325209	265737.619879049	338684.591444835	3515.7304171041233	3356.1318423254498	3261.6358287708454	3265.539329197904	99.78418892973332	99.78418892973332
166	364	268786	-262041.1413	103177.7310250766	36.75057992333103	-101.730768	265938.66960210163	338684.32075007	3512.283346114408	3355.1200157917465	3260.513119653290	3268.3895643993007	96.3006139	96.3006139
167	364	268787	-261381.1413	103177.7310250766	36.750597767784824	-101.727878	266139.7810144883	338680.250	3507.385689794757	3354.1036850709473	3259.16586246303	3259.16586246303	98.6737398464393	98.6737398464393
168	364	268788	-260721.1413	103177.7310250766	36.75061709253915	-101.725487	266340.767672329	338670.3679843143	3507.76899450454	3353.037216385	3257.78291783987	3257.78291783987	95.54718547373719	95.54718547373719
169	364	268789	-260061.1413	103177.7310250766	36.75063356833593	-101.7231446	266541.81527775115	338683.952201938	3494.10600807344	3352.061036250748	3256.259376506421	3257.517084427561	90.6016977432703	94.54395181
170	364	268790	-259401.1413	103177.7310250766	36.75065139143505	-101.7208005	266742.863491977	338670.28154956	3487.6041905208163	3351.0362293961603	3254.738052543222	3258.868188429037	96.3042235383287	92.16741055325656
171	364	268791	-258741.1413	103177.7310250766	36.750669186749864	-101.7184564	266943.9152077075	338683.7	3485.50066157346	3349.089019069465	3253.26610507348	3252.439813964715	96.7430308217691	97.56993767299355
172	364	268792	-258081.1413	103177.7310250766	36.75068690078035	-101.7161124	267144.95932267525	338679.574610383	3487.879398	3348.98258080327	3251.811201	3248.759302737635	97.171302006930828	97.171302006930828
173	364	268793	-257421.1413	103177.7310250766	36.75070458752545	-101.7137683	267348.0089581186	338685.449191532	3490.258377618104	3347.9645472	3248.76918681184	3245.762769913807	97.56845089071672	97.56845089071672
174	364	268794	-256761.1413	103177.7310250766	36.75072220388915	-101.7098951	267547.0542383917	338671.324003981	3492.58116363821	3346.92170100598	3244.136585326123	3243.136585326123	98.6737398464393	98.6737398464393
175	364	268795	-256101.1413	103177.7310250766	36.75073882516562	-101.709801	267768.110324461	338697.19092668	3494.759113734777	3345.897285880357	3247.4205763711907	3247.4205763711907	104.87800909831554	104.87800909831554
176	364	268796	-255441.1413	103177.7310250766	36.750757376058216	-101.706736	267994.148237426	338690.07435138	3496.73160906471	3344.867958709304	3245.801518519633	3246.467623371944	99.061567894696	106.3811950137692
177	364	268797	-254781.1413	103177.7310250766	36.750774881666514	-101.704392	268150.149849409	338698.49867668	3498.668194383364	3344.061081537732	3236.022279779763	3237.7675736816082	97.71542912612986	97.71542912612986
178	364	268798	-254121.1413	103177.7310250766	36.75079234199026	-101.7020479	268351.24132263634	338694.765377485	3500.604599226574	3342.8041983799244	3242.1213920505784	3234.76143696246	100.6820652334602	100.6820652334602
179	364	268799	-253461.1413	103177.7310250766	36.7508097029456	-101.6997038	268582.287226543	338691.016234474	3500.6270497125034	3341.768068917873	3240.818994339347	3240.746223665885	101.7407462244028	102.87910060651017
180	364	268800	-252801.1413	103177.7310250766	36.750821726739364	-101.697397	268789.3334949475	338695.58	3498.74564364245	3340.724770446465	3237.79714001239	3232.301591028836	102.9326070337146	102.9326070337146
181	364	268801	-252141.1413	103177.7310250766	36.7508405423581	-101.6949816	268993.43543418	338692.36	3498.67473453287	3340.14557415569662	3234.14557415569662	3234.14557415569662	104.87800909831554	104.87800909831554
182	364	268802	-251481.1413	103177.7310250766	36.75086173043919	-101.692175	269154.2547553968	338673.31039627	3494.952263663353	3338.605920422725	3233.7024862522456	3232.7024862522456	105.1367380717129	105.1367380717129
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBthKgr.f	SatHtKgr.f	SatHtBth.f
26	364	26885	-196701.1413	103177.3170250766	39.70713803732377	-101.4981085	285841.4297865672	438236.319802242	3450.588958911826	327.2463225676704	3133.1079932398164	3129.6697502557	3133.29329385399	107.57634580811364
266	364	26886	-196041.1413	103177.3170250766	39.70715151248546	-101.4957464	286042.45692111005	438232.210895273	3452.979688755374	3235.70473052241	3127.986449394393	3129.7969196	3134.261280580711	105.973569005711
267	364	26887	-195821.1413	103177.3170250766	39.70716492595964	-101.4930933	286243.4838455887	438232.7120090923	3453.2289131213002	3224.527801144121	3128.69278	3129.62486237095	3134.52867489804114	105.6867528804114
268	364	26888	-194721.1413	103177.3170250766	39.70717832691673	-101.491076	286444.5106602905	438234.60865228	3449.8406013685367	3232.725473	3127.930504324908	3126.147105801762	3134.794669869194	106.57836733043814
269	364	26889	-194061.1413	103177.3170250766	39.70719166624716	-101.4887318	286645.5370651765	438232.5061553589	3446.950548849682	3231.104988321683	3126.140505800065	3124.91330551402735	3134.9643092310239	106.7361368198481
270	364	26890	-193401.1413	103177.3170250766	39.70720490259844	-101.4863787	286846.5634	438234.6015663288	3444.061329609573	3229.42045475157	3124.0889134116934	3123.00320582208	3134.7423420582208	106.4274743260980
271	364	26891	-192741.1413	103177.3170250766	39.707218209885246	-101.4840435	287047.5846681081	438232.121244577	3440.7390355738925	3227.7287077378878	3122.349650544572	3122.349650544572	3134.7907952786064	108.0270729930034
272	364	26892	-192081.1413	103177.3170250766	39.707231412423255	-101.4816993	287248.615324298	438236.1949112486	3436.9840833565625	3226.0194107884054	3120.4694960329475	3118.117876897818	3134.54991475455785	107.90562308698756
273	364	26893	-191421.1413	103177.3170250766	39.70724457057398	-101.4785551	287449.6409295517	438234.60865228	3438.2289131213002	3224.527801144121	3128.69278	3129.62486237095	3134.52867489804114	105.6867528804114
274	364	26894	-190761.1413	103177.3170250766	39.7072578343728	-101.477011	287650.56642543306	438239.995640269	3429.4714793007786	3222.502671753456	3128.0548569156434	3117.032247148024	3134.68704838001	105.5605146052185
275	364	26895	-190101.1413	103177.3170250766	39.7072705101314	-101.4746668	287851.6917083406	438318.954422116	3427.32468314296	3220.88025669564	3115.162406974902	3115.162406974902	3134.7184707177617	105.38884946138796
276	364	26896	-189441.1413	103177.3170250766	39.7072837330159	-101.4723226	288052.7167471086	438391.793079262	3426.983990665533	3219.1700712955085	3113.430518552603	3113.912615562801	3134.7395274022219	105.28745573270517
277	364	26897	-188781.1413	103177.3170250766	39.70729675	-101.4699784	288253.7416	438367.692145198	3425.6755289176123	3217.462793092166	3112.974813118187	3112.974813118187	3134.48186590597926	105.0938502323872
278	364	26898	-188121.1413	103177.3170250766	39.7073096201608	-101.4673432	288454.7662	438318.931	3426.17606583077	3215.799462223406	3111.209776273473	3111.209776273473	3134.54087319499337	104.93262289716313
279	364	26899	-187461.1413	103177.3170250766	39.707322568422068	-101.46529	288655.7905239394	438391.7949101196	3422.55873427993	3214.066635979848	3108.82542493847	3108.82542493847	3134.5781494716427	105.0381486997487
280	364	26900	-186801.1413	103177.3170250766	39.70733541	-101.462949	288856.8148417183	438373.79077847	3415.7449675856098	3212.36446057704	3108.0748304485775	3106.990570338587	3134.6213052548662	105.3674034320546
281	364	26901	-186141.1413	103177.3170250766	39.70734821	-101.4600617	289057.838470115	438371.29079157	3408.93262463314	3210.87722496133	3106.28342427332	3105.1347090546074	3134.638907530228	105.5425195066465
282	364	26902	-185481.1413	103177.3170250766	39.7073609599468	-101.4582575	289258.8626452763	438367.19103712	3402.12157107138	3208.990841182403	3104.735037996039	3102.976237598653	3134.6258031521603	106.01460354923893
283	364	26903	-184821.1413	103177.3170250766	39.70737631270346	-101.4559133	289459.8862367	438391.0512307	3398.24051857239	3207.366974896673	3103.334726909747	3101.7968424787105	3134.6271588963269	105.5107360208668
284	364	26904	-184161.1413	103177.3170250766	39.70738632	-101.4535691	289660.9062171135	438318.9	3397.832145717717	3205.6254908185665	3101.7820656396	3100.32362061274	3134.8342518786752	105.29912875735909
285	364	26905	-183501.1413	103177.3170250766	39.70739894	-101.4512249	289861.9328002914	438354.8931957	3397.234406302296	3203.946305171598	3100.117129265404	3100.117129265404	3134.82917590703873	105.62629778879
286	364	26906	-182841.1413	103177.3170250766	39.7074115057147	-101.4488807	290062.967277425	438350.743937269	3396.6547433171	3202.26949768088	3098.6044830487221	3100.546267538677	3134.82917590703873	105.62629778879
287	364	26907	-182181.1413	103177.3170250766	39.7074249249564	-101.4465361	290267.858270344	438350.743937269	3396.6547433171	3202.26949768088	3098.6044830487221	3100.546267538677	3134.82917590703873	105.62629778879
288	364	26908	-181521.1413	103177.3170250766	39.7074365033398	-101.4441294	290465.001195046	438342.549757597	3391.335870109264	3198.925316355152	3095.710785452333	3098.184754512129	3134.82917590703873	105.62629778879
289	364	26909	-180861.1413	103177.3170250766	39.707448841883346	-101.4418482	290666.023551918	438342.549757597	3391.335870109264	3198.925316355152	3095.710785452333	3098.184754512129	3134.82917590703873	105.62629778879
290	364	26910	-180201.1413	103177.3170250766	39.707461330151034	-101.439504	290867.04570511635	438341.401	3384.6352612244	3195.580093852099	3093.178205	3096.095904	3134.82917590703873	105.62629778879
291	364	26911	-179541.1413	103177.3170250766	39.70747367	-101.4371598	291068.0676492975	438330.30340581	3379.44345924167	3193.908882227577	3092.1682019607406	3094.4842386765537	3134.82917590703873	105.62629778879
292	364	26912	-178881.1413	103177.3170250766	39.70748597081095	-101.4348156	291269.089389314	438316.2043814	3372.4070087415557	3192.241639442923	3091.357962997381	3091.668197	3134.82917590703873	105.62629778879
293	364	26913	-178221.1413	103177.3170250766	39.7074982234434	-101.432474	291470.1109250344	438306.335491708	3368.3750278711545	3191.295444789363	3090.72222738504	3090.72222738504	3134.82917590703873	105.62629778879
294	364	26914	-177561.1413	103177.3170250766	39.7075104233194	-101.4301272	291671.11523328295	438301.11523328295	3358.3410123328295	3189.31423328295	3089.67107157579	3089.67107157579	3134.82917590703873	105.62629778879
295	364	26915	-176901.1413	103177.3170250766	39.70752292141856	-101.427783	291872.15338215564	438318.915640771	3348.3878557640087	3187.249103733289	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
296	364	26916	-176241.1413	103177.3170250766	39.70753471	-101.4254388	292073.174304491	438309.819178181	3335.51820374322	3185.584251875596	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
297	364	26917	-175581.1413	103177.3170250766	39.707546799282	-101.4230946	292274.1950229456	438305.572260522	3322.675489155375	3183.929243239763	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
298	364	26918	-174921.1413	103177.3170250766	39.7075580588139	-101.4207504	292475.2153573749	438301.61027	3318.9319695491027	3182.269011710613	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
299	364	26919	-174261.1413	103177.3170250766	39.7075707665519	-101.4184062	292676.23549497025	438299.331199968	3300.828872082976	3180.60570342261	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
300	364	26920	-173601.1413	103177.3170250766	39.70758271254449	-101.416092	292877.25582371896	438293.453671708	3298.702787711545	3178.295444789363	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
301	364	26921	-172941.1413	103177.3170250766	39.707594610228984	-101.4137182	293077.2786215562	438289.340890343	3290.577685349632	3177.271556343246	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
302	364	26922	-172281.1413	103177.3170250766	39.70760645683539	-101.4113738	293279.29556432867	438289.340890343	3285.42091971112	3175.59930279909	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
303	364	26923	-171621.1413	103177.3170250766	39.7076182635375	-101.4090294	293480.315063822	438280.15051768	3278.98168464024	3173.920880952933	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
304	364	26924	-170961.1413	103177.3170250766	39.7076300105839	-101.4066852	293681.3343069636	438277.05593414	3268.5099572774971	3172.237451241945	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
305	364	26925	-170301.1413	103177.3170250766	39.70764171952606	-101.404341	293882.3343069636	438277.05593414	3258.9319695491027	3170.53197538708	3089.612768840572	3089.612768840572	3134.82917590703873	105.62629778879
306	364	26926	-169641.1413	103177.3170250766	39.7076533814023	-101.401968	294083.3723486954	438268.96747175	3247.337490961673	3168.46677682716	307.1423519742993	307.1423519742993	3134.82917590703873	105.62629778879
307	364	26927	-168981.1413	103177.3170250766	39.7076650145784	-101.400000	294284.3965217235	438268.96747175	3235.42091971112	3166.8923044055	307.1423519742993	307.1423519742993	3134.82917590703873	105.62629778879
308	364	26928	-168321.1413	103177.3170250766	39.7076765748233	-101.3973084	294485.4095217235	438268.96747175	3224.527801144121	3165.46677682716	307.1423519742993	307.1423519742993	3134.82917590703873	105.62629778879
309	364	2692												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
391	364	269011	-113541.1413	1037177.317025766	39.708479263379304	-101.20227369	311169.26191940024	4397721.72539304	3097.53341380506	2976.424910695609	2976.3409421865576	2974.893322162076	43.9039685095183	54.531588353352
392	364	269012	-112881.1413	1037177.317025766	39.708479263379304	-101.20032927	31170.26421011893	4397717.716542346	3088.5739895460248	2972.256597452124	2975.9533575231294	2975.664813779866	51.204322311643	51.59238147
393	364	269013	-112221.1413	1037177.317025766	39.708479263379304	-101.188064	31127.266127144	4397713.72711821	3081.613765511865	2975.201136587984	2976.253841118624	2976.253841118624	48.871115728295	48.871115728295
394	364	269014	-111561.1413	1037177.317025766	39.708479263379304	-101.1957402	311772.2682394412	4397709.504234305	3079.69313456255	2972.698825136312	2976.090330675848	2976.090330675848	46.26989454784654	48.0716623508829
395	364	269015	-110901.1413	1037177.317025766	39.70851006680693	-101.1933569	311973.26987580003	4397705.35781003	3065.001811652094	2970.8359036844924	2977.5237230224949	2977.5237230224949	45.2812085594325	45.281208573478334
396	364	269016	-110241.1413	1037177.317025766	39.70851766444479	-101.1910156	312174.2154309953	4397701.35798168	3055.6737372353	2970.831051730609	2979.10754056612	2977.072307118123	36.323067339721	41.65875101232632
397	364	269017	-109581.1413	1037177.317025766	39.70852519679277	-101.1886714	312375.2729064458	4396987.28520656	3046.312491280712	2970.831647384	2980.234120926739	2976.1268365023974	36.12632646301064	41.65875101232632
398	364	269018	-108921.1413	1037177.317025766	39.70853269	-101.1863271	312576.2740957418	4396983.21265561	3036.980585112962	2970.831647384	2980.234120926739	2976.1268365023974	36.12632646301064	41.65875101232632
399	364	269019	-108261.1413	1037177.317025766	39.7085401456191	-101.183826	312777.2751022001	4396979.14035869	3028.752749	2970.831647384	2980.234120926739	2976.1268365023974	36.12632646301064	41.65875101232632
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435	364	269055	-84501.1413	1037										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvgs33.ft	BREIEvgs33.ft	SatTtHgs.ft	SatTtHgs.ft
517	364	269137	-30381.14133	39.07173170250766	39.7091140766461	-0.003073573	336649.16832868627	4397210.2494645305	2903.12576446677194	2898.6563780456727	2822.362853714163	2822.212393919293	37.293524331509616	37.44508142654341
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521	364	269141	-27241.14133	39.07173170250766	39.70910947692754	-0.00897801	337289.0093	4397104.072831692	2892.3657151137097	2852.3474837322734	2818.1091595226662	2816.995838	34.2383242006771	35.35164618
522	364	269142	-27081.14133	39.07173170250766	39.7091113287227	-0.00895638	337490.070350491	4397190.029	2889.465121435175	2850.406852003506	2816.776896989585	2815.935015682335	33.9065605049212	34.00596518017164
523	364	269143	-26241.14133	39.07173170250766	39.70911316464081	-0.00893295	337700.050282181	4397181.98504373	2888.95429531467	2851.422783304185	2815.422783304185	2814.031200088322	33.00074258924495	34.392362144019
524	364	269144	-25761.14133	39.07173170250766	39.70911495490334	-0.00890472	337991.0300567934	4397185.942843735	2890.84116497377	2846.3990122292767	2813.97191738326	2812.9606040806325	32.4070429054044	33.438407429464129
525	364	269145	-25101.14133	39.07173170250766	39.70911600054682	-0.00888029	338102.0099	4397187.899827369	2891.726380694978	2844.334313089147	2812.564776887407	2811.569321349862	31.766831106696	32.73689961194666
526	364	269146	-24441.14133	39.07173170250766	39.70911839930354	-0.00885258	338302.9891356129	4397173.857267485	2894.615596414786	2842.220571234547	2811.36387631244	2810.252472259297	30.8661839302043	31.978143941849794
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531	364	269151	-21541.14133	39.07173170250766	39.709126298246	-0.00874537	339307.8408982505	4397153.647663351	2887.23110807251	2831.1542832538987	2806.599442206615	2806.532792011517	28.45540203222625	28.45540203222625
532	364	269152	-20481.14133	39.07173170250766	39.7091274801182	-0.00872192	339508.8626	4397149.606318078	2888.1477205124193	2828.837762577303	2805.859125020593	2805.72526573639	28.27983755671051	28.27983755671051
533	364	269153	-19821.14133	39.07173170250766	39.7091290384012	-0.00869485	339709.8409398042	4397145.56535705	2887.783302175873	2826.491362900347	2804.154159853561	2804.045743817569	28.22455091437365	28.22455091437365
534	364	269154	-19161.14133	39.07173170250766	39.709130637737	-0.00867502	339910.8192090515	4397141.54256446	2889.379399217583	2824.115932347347	2804.35206583949	2800.503342546583	23.88772655	23.61209989071674
535	364	269155	-18501.14133	39.07173170250766	39.7091316606239	-0.00865159	340111.7973	4397137.48380072	2888.88337	2821.714797037575	2794.49474979564	2794.2564562456233	27.22073220580114	27.18530458134205
536	364	269156	-17841.14133	39.07173170250766	39.70913290757876	-0.00862816	340312.7151791937	4397134.4366649	2887.276521743113	2819.279721103248	2787.0919235731745	2786.48490720413	32.1877931510284	32.4308138976486
537	364	269157	-17181.14133	39.07173170250766	39.70913410242896	-0.00860473	340513.752926629	4397125.36819867	2885.669703829853	2816.822415887487	2778.167225297164	2778.737331959618	37.6551909324764	37.9486807278078
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539	364	269159	-15861.14133	39.07173170250766	39.709136426888	-0.00855822	340915.00766324	4397125.36739818	2882.947306148956	2777.047854919173	2764.261635722297	2764.780951403922	32.6431510426203	32.1241234157931
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543	364	269163	-13221.14133	39.07173170250766	39.709140381554	-0.00846055	341719.61620397936	4397105.167994561	2866.159480517527	2801.645614158042	2762.434950858266	2761.615535768319	42.19491479	43.13983790398064
544	364	269164	-12561.14133	39.07173170250766	39.70914125274226	-0.00844012	341920.5928033633	4397101.12954443	2864.7248562341	2799.403372717358	2763.1181177593	2761.9552814525264	35.9146098265216	35.9146098265216
545	364	269165	-11901.14133	39.07173170250766	39.70914206297833	-0.00841716	342121.5695030384	4397097.85125153	2862.051921076729	2798.426391291759	2763.17869717593	2763.34852863718495	32.4074839953361	32.4074839953361
546	364	269166	-11241.14133	39.07173170250766	39.70914289122826	-0.00839375	342322.0534704	4397093.0334704	2859.00377549167	2797.40777549167	2762.40777549167	2762.40777549167	31.1501432725497	31.1501432725497
547	364	269167	-10581.14133	39.07173170250766	39.70914363847626	-0.008370283	342523.025936341	4397089.01589208	2857.910283640962	2797.1788470561016	2761.452594184186	2760.5832565533324	29.7246873768302	30.5554705276916
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550	364	269170	-8601.14133	39.07173170250766	39.7091456930957	-0.00829954	343126.449837647	4397076.903731616	2809.51203967481	2782.38200921814	2752.6458820563173	2752.35193093352	30.922781316717676	30.8862620689898
551	364	269171	-7941.14133	39.07173170250766	39.70914617697936	-0.00827651	343327.4254830403	4397072.769891407	2806.215859556725	2780.57470979936	2748.550427461265	2748.18394739019	32.02367	32.390715068917048
552	364	269172	-7281.14133	39.07173170250766	39.7091469277067	-0.00825368	343528.4009944578	4397069.32142002	2803.74036148956	2777.047854919173	2746.261635722297	2746.780951403922	32.6431510426203	32.1241234157931
553	364	269173	-6621.14133	39.07173170250766	39.70914771762507	-0.00822925	343729.31627814705	4397064.739963043	2799.270166441202	2775.22969602825	2743.250341315838	2742.715798931427	31.975265686973	32.5180799
554	364	269174	-5961.14133	39.07173170250766	39.7091476080018	-0.00820612	343930.351376082	4397060.7524758	2797.799963732523	2772.5503101054214	2741.949863	2741.4636381461323	30.5554705276916	30.5554705276916
555	364	269175	-5301.14133	39.07173170250766	39.709147948426026	-0.00818279	344131.3268045076	4397056.71958758	2796.60141790474	2769.897916	2740.70557557658	2740.21317528362	29.16234051728066	29.77857186178067
556	364	269176	-4641.14133	39.07173170250766	39.7091483555991	-0.00815926	344332.3012	4397052.68623306	2794.671451961464	2767.182954509991	2738.883095169613	2738.43564444184	28.29904908137769	28.7473098091167
557	364	269177	-3981.14133	39.07173170250766	39.70914884614028	-0.008135983	344533.2794717306	4397045.60857859	2792.74760651979	2764.49515096971	2736.090520472034	2735.804337818085	28.40539566246685	28.691582172862603
558	364	269178	-3321.14133	39.07173170250766	39.709148881954384	-0.00811241	344734.2500543312	4397044.615808445	2790.827327116514	2761.908025086514	2732.352421465051	2732.1356247835256	29.4930809300387	29.6728774851254
559	364	269179	-2661.14133	39.07173170250766	39.7091494271584	-0.00808954	344935.1498291584	4397040.54600498	2788.403188847167	2760.430188847167	2730.352421465051	2730.352421465051	31.791094282836	31.791094282836
560	364	269180	-2001.14133	39.07173170250766	39.709149247184584	-0.00806524	345136.119916813	4397038.54580445	2786.45909318029	2756.4493801922	2731.495120587102	2731.30532823414	34.9542523404275	35.1384756810285
561	364	269181	-1341.14133	39.07173170250766	39.70914936186304									

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRiElevKgr.ft	BRiElevBothKgr.ft	SatThKLog.s	SatThBoth.ft
634	364	269263	52776.85867307335	1071977.3170250766	39.70900440410138	-0.001191756	361816.5613459154	4396702.472275574	2796.1441595509873	2637.034359923542	2651.550191384206	2651.4162411136903	0
644	364	269264	52438.85867307335	1071977.3170250766	39.70900959652781	-0.006963127	360001.59025328	4396698.450699161	2791.111345811379	2637.12705272765	2650.7361415802197	2651.2935259429614	0
645	364	269265	54088.85867307335	1071977.3170250766	39.70897735836363	-0.00468987	362216.496926992	4396944.440047289	2796.076321007281	2637.2547432238414	2649.311978485582	2650.311978485582	0
646	364	269266	54758.85867307335	1071977.3170250766	39.70899370808424	-0.00400427	362419.44812134298	4396960.452329726	2787.0451783393029	2634.5811382534764	2648.072012050958	2649.385353399258	0
647	364	269267	55418.85867307335	1071977.3170250766	39.70899904642551	-0.00202584	362620.4102388536	4396968.444841814	2779.878121	2633.8525577456144	2646.909788237303	2648.3038281488486	0
648	364	269268	56078.85867307335	1071977.3170250766	39.7089958482591	-0.00202541	362821.37213274784	4396982.400563314	2782.6147491698325	2633.1694790735824	2645.720418346631	2647.07198381127	0
649	364	269269	56738.85867307335	1071977.3170250766	39.708998209	-0.00597908	363022.338951716	4396987.38651675	2785.3383704325947	2632.532198186706	2644.558077858026	2645.9842651416784	0
650	364	269270	57398.85867307335	1071977.3170250766	39.70897817768032	-0.00595656	363223.2956276884	4396974.7327102139	2780.181994353077	2631.9408338087767	2643.2645238383683	2645.7640683072	0
651	364	269271	58068.85867307335	1071977.3170250766	39.70897422177442	-0.0046897	363424.2502720074	4396970.7059	2786.076321007281	2631.384964867816	2643.620715272719	2644.1895078867583	0
652	364	269272	58718.85867307335	1071977.3170250766	39.7089702093717	-0.00595677	363627.1382174027	4396966.3578705	2790.115841771751	2630.894036859213	2642.14755650045	2643.0517027192	0
653	364	269273	59378.85867307335	1071977.3170250766	39.708966157281395	-0.00588527	363826.1796364719	4396962.33249867	2790.57195	2630.437701292652	2640.905048963676	2647.9794685236	0
654	364	269274	60038.85867307335	1071977.3170250766	39.70896206	-0.00561884	364027.1074505744	4396968.319762938	2791.038548131768	2630.425484147442	2639.815596196008	2640.5807487573913	0
655	364	269275	60698.85867307335	1071977.3170250766	39.70895791722846	-0.00583441	364228.1017424569	4396970.307107903	2787.75710937481	2629.653438152316	2637.98790954053	2639.4680878392304	0
656	364	269276	61358.85867307335	1071977.3170250766	39.70895372926595	-0.00581498	364429.0625735292	4396960.29484761	2780.372876810385	2629.325847577338	2637.6149879648253	2637.614124400636	0
657	364	269277	62018.85867307335	1071977.3170250766	39.70894949601272	-0.00591555	364630.0232592521	4396965.26439498	2774.076847967216	2629.042894393893	2637.628545	2638.57752380137	0
658	364	269278	62678.85867307335	1071977.3170250766	39.708945217468795	-0.0058127	364830.9638923306	4396942.270534106	2786.68441723394	2628.8036187730025	2637.988082721937	2638.81408940352	0
659	364	269279	63398.85867307335	1071977.3170250766	39.7089408363418	-0.00574469	365031.9434434286	4396958.25808675	2787.090015376824	2628.6088253014328	2638.661194965294	2639.29754912933	0
660	364	269280	63998.85867307335	1071977.3170250766	39.70893654505891	-0.00571227	365232.9046750772	4396934.247	2774.925442235782	2628.451322551912	2639.271455541995	2639.643898567262	0
661	364	269281	64658.85867307335	1071977.3170250766	39.708932110092974	-0.00569784	365433.864778177	4396930.236	2782.760869095491	2628.335420696278	2638.65026624191	2639.705819089491	0
662	364	269282	65318.85867307335	1071977.3170250766	39.70892765038635	-0.00567431	365634.82495191466	4396966.225	2790.596259550943	2628.276225503626	2639.288202304006	2639.3674147345612	0
663	364	269283	65978.85867307335	1071977.3170250766	39.70892315	-0.00565098	365835.7848975705	4396962.2124149005	2795.56712941249005	2628.214789211622	2638.2551238078117	2638.401506737133	0
664	364	269284	66538.85867307335	1071977.3170250766	39.70891859510174	-0.00562745	366036.7447149904	4396968.12036456	2797.671296035956	2628.20338177173	2638.619645749536	2638.70367754746	0
665	364	269285	67198.85867307335	1071977.3170250766	39.70891359552286	-0.00561431	366237.7040427874	4396974.193210875	2798.734904789652	2627.220832978952	2638.3425986978319	2638.3425986978319	0
666	364	269286	67958.85867307335	1071977.3170250766	39.70891035853535	-0.00558059	366438.6336595493	4396910.18302525	2801.8855692133683	2628.265087422102	2631.557498945792	2631.713697792567	0
667	364	269287	68618.85867307335	1071977.3170250766	39.70890467249378	-0.005557126	366639.6233969875	4396933.2332298	2794.155161814919	2628.3340357194447	2628.6710370271003	2628.7649879659	0
668	364	269288	69278.85867307335	1071977.3170250766	39.70889941043406	-0.00553364	366840.582706434	4396962.16389112	2795.98629179154	2628.425427088712	2625.486571081954	2625.89040290257	2.93844980516352
669	364	269289	69938.85867307335	1071977.3170250766	39.708895164302454	-0.005510241	367041.54188576905	4396958.152817919	2791.352467540104	2628.3368430409793	2622.489796318415	2622.8218204	6.004766868378026
670	364	269290	70598.85867307335	1071977.3170250766	39.70889042270905	-0.00548679	367242.5003831046	4396950.145104077	2786.717942900656	2628.665161917816	2619.371767632117	2619.6545208711622	9.233934212966177
671	364	269291	71258.85867307335	1071977.3170250766	39.70888574848479	-0.00546949	367443.498963456	4396950.145104077	2784.123585375825	2628.805892685335	2618.3153897682058	2618.3153897682058	12.442278057984041
672	364	269292	71918.85867307335	1071977.3170250766	39.708880562336084	-0.00543913	367644.4186625007	4396950.145104077	2782.734904789652	2628.9110719871	2619.371767632117	2619.6545208711622	15.12819717757583
673	364	269293	72578.85867307335	1071977.3170250766	39.70887564430354	-0.00541649	367845.374350592	4396962.18595646	2783.0152045102733	2629.124487762359	2609.4400391033686	2609.4256101665924	19.6884845899032
674	364	269294	73238.85867307335	1071977.3170250766	39.70887060123653	-0.005393027	368046.3359814668	4396957.811708963	2782.014011077352	2629.29182623051	2606.663197606156	2606.663197606156	22.68363101703442
675	364	269295	73898.85867307335	1071977.3170250766	39.7088655257218	-0.005369584	368247.2940189374	4396957.811708963	2784.741173373502	2629.4598913628374	2604.804191562308	2604.804191562308	24.85869798993658
676	364	269296	74558.85867307335	1071977.3170250766	39.70886045897228	-0.005346141	368448.252965674	4396957.811708963	2785.85753737352	2629.62869629034	2603.671953216887	2603.671953216887	25.7567037435412
677	364	269297	75218.85867307335	1071977.3170250766	39.708855319718178	-0.00532268	368649.126095652	4396956.87487178	2784.970310351841	2629.7930592078	2603.2545822182194	2603.2545822182194	26.55198618204494
678	364	269298	75878.85867307335	1071977.3170250766	39.7088501555594	-0.00529925	368850.168044758	4396950.145104077	2786.076321007281	2629.9165613298	2602.49073298934	2602.49073298934	27.7277339829468
679	364	269299	76538.85867307335	1071977.3170250766	39.70884495059054	-0.005275812	369051.1262802894	4396958.072831136	2788.081025103895	2629.017859110915	2601.67589029316	2601.67589029316	28.84116834846313
680	364	269300	77198.85867307335	1071977.3170250766	39.708839630972626	-0.00525237	369252.0842169813	4396954.06907054	2800.2967849532164	2630.265482339623	2600.366955974478	2600.366955974478	29.9367765344412
681	364	269301	77788.85867307335	1071977.3170250766	39.70883431074525	-0.005228927	369453.024290632	4396954.06907054	2794.341398611733	2598.868147530673	2598.868147530673	2598.868147530673	32.1504614697132
682	364	269302	78518.85867307335	1071977.3170250766	39.7088284527739	-0.005205484	369653.998035049	4396546.03044574	2797.17430427485	2630.502806307759	2597.2389510584476	2597.2389510584476	34.36623602024458
683	364	269303	79178.85867307335	1071977.3170250766	39.7088233441909	-0.005182041	369854.957251274	4396957.811708963	2795.2403740686277	2630.590859	2596.4981918346575	2596.4981918346575	36.18460239
684	364	269304	79838.85867307335	1071977.3170250766	39.7088187820334	-0.00515858	370055.9145511092	4396548.04045106	2792.934671810915	2630.6659689584	2593.33470690493	2593.33470690493	37.91542957529428
685	364	269305	80498.85867307335	1071977.3170250766	39.70881369744679	-0.00513592	370256.1584753004	4396548.04045106	2794.076321007281	2630.79110811446	2592.918027688076	2592.918027688076	39.6404768
686	364	269306	81188.85867307335	1071977.3170250766	39.70881030251485	-0.005111713	370457.8277151124	4396548.04045106	2795.811025103895	2630.709707	2593.346818483155	2593.346818483155	40.992421447445
687	364	269307	81818.85867307335	1071977.3170250766	39.70880143828148	-0.00508827	370658.7857	4396548.04045106	2796.8154965844324	2630.69038931624	2592.42528239683	2592.42528239683	43.66648156540835
688	364	269308	82478.85867307335	1071977.3170250766	39.7087950102102	-0.005064827	370859.7249793397	4396522.02	2785.8515521892004	2630.632990444284	2585.688547809033	2585.688547809033	45.702484872361
689	364	269309	83188.85867307335	1071977.3170250766	39.70879011847018	-0.005041384	371060.69917641307	4396514.071479374	2788.0549471335576	2630.542147	2583.746756209964	2583.746756209964	46.79539102988346
690	364	269310	83798.85867307335	1071977.3170250766	39.7087843902898	-0.005017942	371261.6557320121	4396514.071479374	2787.685572400042	2630.413718271827	2581.748953293955</		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
29	365	269389	-352461.1413	102632637.3170250766	39.0454034968355	-102.0513337	238396.86490209948	4399413.2880482385	3611.044036478493	31.75384813	3469.1713332053814	3469.240570576890624	34.61447939449843	44.5375749481747
30	365	269390	-351801.1413	102632637.3170250766	39.045426512232963	-102.0489898	238957.54713333205	4399408.1285704474	3607.612248573747	31.75148889	3468.8203211190194	3469.1467925878521	42.828572767050959	42.602106587378876
31	365	269391	-351141.1413	102632637.3170250766	39.04542629703894	-102.0489898	238949.9280575027	4399404.969327763	3598.9442274141003	30.914119710608	3468.4489221295043	3468.9708298090965	40.964073982900965	40.61306851136785
32	365	269392	-350481.1413	102632637.3170250766	39.04547601791325	-102.0443019	239001.1109196145	4399403.810324235	3593.003790801328	30.70100185016811	3468.246280518038	3468.394889108662	38.11898498777234	38.70069091
33	365	269393	-349821.1413	102632637.3170250766	39.04760073	-102.0419579	239201.19237517187	4399396.651557816	3587.1357481719266	30.545915771628106	3467.774111990957	3467.892299	36.6992782345054	
34	365	269394	-349161.1413	102632637.3170250766	39.0462471012253	-102.039614	239402.27375254713	4399392.40349281	3581.214643538098	30.502306297068875	3467.248408881836	3467.401455426252	34.7871618069161	34.6347482623341
35	365	269395	-348501.1413	102632637.3170250766	39.0476486338819	-102.037722	239603.35451197487	4399388.354	3584.88805367199848	30.4496167199848	3466.8318987486025	3466.909292338462	32.9426846058295	32.51687488135896
36	365	269396	-347841.1413	102632637.3170250766	39.0476253733319	-102.0349261	239804.4319366017	4399384.176881129	3580.1054867110934	30.468745270021303	3466.40946717143057	3466.505435474705	30.3795928782457	30.279884274232573
37	365	269397	-347181.1413	102632637.3170250766	39.0469636818547	-102.0328621	240005.5186718164	4399381.923296153	3581.3222979373139	30.48413291658719	3466.141550380496	3466.0912389393746	27.988466656232195	26.43877736276172
38	365	269398	-346521.1413	102632637.3170250766	39.0472018324284	-102.0302281	240206.5957843456	4399375.661282087	3491.0709952124893	30.4661767755026	3466.132620182358	3466.132620182358	25.20505734086737	25.20505734086737
39	365	269399	-345861.1413	102632637.3170250766	39.0474338550266	-102.0278942	240407.6756943383	4399371.70301168	3634.716245574956	30.4841840361406	3467.2479543576165	3466.904282427297	21.566549638856	21.8543281266737
40	365	269400	-345201.1413	102632637.3170250766	39.047674838395354	-102.0255502	240608.75534712008	4399367.548611298	3641.8476551329872	30.4681658375609527	3466.649120417655	3468.279622612317	15.16771714329763	17.88621509972763
41	365	269401	-344541.1413	102632637.3170250766	39.04791312960246	-102.0230263	240809.8314731956	4399363.596931487	3648.980455222848	30.483268457473505	3469.478119884633	3467.4443848835518	14.0472588917389	14.4562978987907
42	365	269402	-343881.1413	102632637.3170250766	39.0481493224486	-102.0208623	241010.913827697	4399359.23	3656.112436304624	30.480054062873	3468.999921237829	3468.117480316217	11.90060316895419	12.78304409495878
43	365	269403	-343221.1413	102632637.3170250766	39.0483880624908	-102.018183	241211.99276604754	4399355.07832985	3655.455295	30.478298138225576	3467.023572	3465.795805595804	11.255665396340546	12.63540526676613
44	365	269404	-342561.1413	102632637.3170250766	39.0486203497296	-102.0161744	241413.017323265	4399350.502774284	3467.0105124540837	30.4674070841003	3463.703324402744	3461.847178647237	11.8903875052876	13.84689039367945
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46	365	269406	-341241.1413	102632637.3170250766	39.049085657937	-102.0114864	241815.227801731	4399342.609	3630.119696931272	30.47035429685414	3454.6595431719686	3452.235702737318	15.8903875052876	18.259940906156
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatElevKgr.f	SatElevBoth.f
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159	365	269519	-266661.1413	1032637.3170250766	36.70726580669645	-171.7466089	326435.4593231381	3498874.5421	3523.030320439843	3361.0057935552327	3272.6978463301323	3276.70159964283	80.780892222037	87.29993350904972
160	365	269520	-266001.1413	1032637.3170250766	36.70728042679135	-171.7442648	326437.3604591959	3498870.7403	3523.682362907758	3360.1009719797858	3268.818519652626	3269.39517207757	91.2842523148993	90.7052625901033
161	365	269521	-265341.1413	1032637.3170250766	36.70730231341901	-171.7419207	326439.5598353809	3498866.284344848	3524.335751775636	3359.17386350909	3266.5251361746555	3266.284693333317	92.6483824603333	92.88825301671768
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163	365	269523	-264021.1413	1032637.3170250766	36.70734865881881	-171.737224	326539.6590207825	3498858.028	3520.27355	3357.99979816846	3264.516983814347	3265.80126852673	92.728912685673	91.4555130396816
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193	365	269553	-244221.1413	1032637.3170250766	36.7078617825244	-171.6669081	3271371.041496485	3498734.298	3480.7317896371	3324.790841208855	3219.617673	3219.617673	104.7407852130555	105.6021259445765
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198	365	269558	-240921.1413	1032637.3170250766	36.707956120653754	-171.6552432	327257.29344027594	3498710.57261914	3519.646983013516	3317.6907005231456	3210.2528431761734	3207.9773319516992	10	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BRrElevLogsKrg.f	BRrElevBothKrg.f	SatHtLogs.f	SatHtBoth.f
285	26964	-186141.1413		102632637.3170250766	39.709161209107194	-101.4606182	289061.9479652334	4389372.79385034	3412.9887102359568	3209.8588498353984	3106.67131349674	3102.5232327887357	101.875364857242	107.33552194804133
282	26964	-185481.1413		102632637.3170250766	39.709173600000004	-101.4582739	289262.9151454906	439368.547986277	3407.421216392104	3208.1636720423257	3105.042775039587	3102.484128696476	101.2089700273873	105.69954618667817
283	26964	-184821.1413		102632637.3170250766	39.70918691	-101.4559186	289643.946578206	439393.479962264	3407.421216392104	3206.47254556183	3103.66198833469	3101.490517872637	102.3231545483721	106.00811150457032
284	26964	-184161.1413		102632637.3170250766	39.70919325911992	-101.4535785	289665.018	439360.2840476984	3404.761892463297	3204.761892463297	3103.32721002109	3102.484128649953	102.404913231246	106.06110138761636
285	26964	-183501.1413		102632637.3170250766	39.709211940946524	-101.4512412	289866.0402042022	439336.181226926	3403.484783296541	3203.095225	3100.792605620214	3107.952026514792	102.362189738357	105.9424925770506
286	26964	-182841.1413		102632637.3170250766	39.70922451068427	-101.448897	290067.063480023	439332.082212078	3403.027977515259	3201.411354871184	3099.320795971694	3107.465807812892	102.0905588948936	105.9459075280465
287	26964	-182181.1413		102632637.3170250766	39.70923073513316	-101.4465527	290268.0861660327	439347.98344327	3400.590314588501	3199.70340732072	3097.840409943267	3107.6201967165817	101.92589717626608	102.1028642079023
288	26964	-181521.1413		102632637.3170250766	39.70924951	-101.4442085	290468.1085781836	439343.88488951	3398.174845263371	3198.0516241291507	3096.30826530555	3107.11063461571	101.7333498595658	100.9480926762325
289	26964	-180861.1413		102632637.3170250766	39.70925124617032	-101.441864	290670.1306488716	439348.768576692	3391.75037942241	3195.37424338021	3095.021689949227	3096.258468456583	101.35267338797834	99.7446363005794
290	26965	-182021.1413		102632637.3170250766	39.709274336752365	-101.43952	290871.152586279	439335.689	3347.330695191113	3194.684346318686	3093.825387295594	3095.88343364248	100.704734528	98.8145912672033
291	26965	-179541.1413		102632637.3170250766	39.7092866005444	-101.4371757	291072.174282568	439331.591	3382.81278723537	3192.03808585974	3092.9215620506044	3095.155733584593	100.1023185299256	97.86814804742471
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294	26964	-177561.1413		102632637.3170250766	39.709323348190545	-101.430143	291675.2831424804	439319.29855704	3368.93365743133	3186.018065743133	3093.427814989617	3093.3063817369493	94.5889915846903	94.7102483736392
295	26965	-176901.1413		102632637.3170250766	39.70933550032747	-101.4277897	291876.2592027609	439315.210696245	3360.519937322223	3186.3539194089626	3092.016950882993	3092.111071587364	94.3327852369697	90.24018178269604
296	26965	-176241.1413		102632637.3170250766	39.709347717173305	-101.425454	292077.27894602	439311.10496456	3348.318335676305	3184.84003541197	3090.987681703357	3094.9503652483915	93.76113743	89.743610230544
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301	26966	-172941.1413		102632637.3170250766	39.70940702207713	-101.4137332	293082.3800902284	439290.62507717	3305.95398994447	3176.40417229166	3096.867774	3099.658767335676	79.3536081178643	76.7455449601688
302	26966	-172281.1413		102632637.3170250766	39.70941947	-101.411389	293283.3995	439290.62507717	3304.7285191907757	3174.74017229166	3096.867774	3099.658767335676	79.3536081178643	76.7455449601688
303	26966	-171621.1413		102632637.3170250766	39.70943124617032	-101.409048	293486.1487147416	439286.43487211	3282.454489	3171.515178113226	3096.867774	3099.658767335676	79.3536081178643	76.7455449601688
304	26964	-170961.1413		102632637.3170250766	39.70944032157459	-101.4067004	293685.4378	439287.78304154915	3265.9102423117	3171.388241756244	3090.200267197003	3079.14741867296	93.197665182128	92.5208055024823
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306	26966	-169641.1413		102632637.3170250766	39.70946634748056	-101.4020118	294087.4752542978	439280.751295295	3292.7195980857	3168.046261859448	3072.3923917712104	3071.01251973679	95.6538700737343	95.4650329270493
307	26967	-168981.1413		102632637.3170250766	39.70947801341426	-101.3996676	294288.493698286	439280.652710805	3287.1994279456294	3166.369780439648	3070.278409468837	3069.277830483356	96.3470879381104	91.97192649135912
308	26968	-168321.1413		102632637.3170250766	39.70948956971912	-101.397233	294489.5179379005	439281.963378586	3278.05430730888	3164.6817915416284	3067.9038329205768	3067.7560292387933	96.7833581849463	96.9356903435309
309	26969	-167661.1413		102632637.3170250766	39.70950111487863	-101.394879	294690.5289776079	439282.788976604	3276.90433181017	3163.011674813448	3066.981740381788	3067.1781382524701	97.1781358247201	97.4336289785934
310	26970	-167001.1413		102632637.3170250766	39.7095212587676	-101.3923248	294891.54781265	439283.7763961	3262.76443301346	3159.72941793906	3065.29041889525	3065.290316850213	98.0457962559839	98.0457962559839
311	26967	-166341.1413		102632637.3170250766	39.709524035185204	-101.3902095	295092.5654535148	439284.693259396	3257.644429112186	3159.654421839906	3061.638744258143	3061.1645175840354	98.00836714409148	98.48072425587043
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313	26963	-165021.1413		102632637.3170250766	39.70954677	-101.385602	295494.6001763391	439281.49790133	3253.504364785231	3156.2631416995387	3056.749233901766	3056.4578051223416	99.5139077736974	99.783761779704
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317	26967	-162381.1413		102632637.3170250766	39.7095917091527	-101.3762249	296387.9605970212	439282.129	3242.213237699228	3149.44108641473	3048.736443361477	3048.155937714743	102.7064412785835	102.85412721098
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322	26968	-159081.1413		102632637.3170250766	39.70964658670396	-101.3644305	297303.742599564	439284.04259471	3251.55180649844	3140.79936729587	3050.099991894037	3050.2880272098974	75.6997947	75.6997947
323	26968	-158461.1413		102632637.3170250766	39.709658122570245	-101.3618758	297509.650137676	439283.43941973	3242.5346831003523	3140.79936729587	3050.099991894037	3050.2880272098974	75.6997947	75.6997947
324	26968	-157761.1413		102632637.3170250766	39.7096700668	-101.359815	297705.7765151586	439282.129	3242.213237699228	3149.44108641473	3048.736443361477	3048.155937714743	102.7064412785835	102.85412721098
325	26968	-157101.1413		102632637.3170250766	39.7096794090204	-101.3574707	297906.7913905465	439281.04011387	3282.050513648834	3135.5952847817277	3051.51497304677	3050.7		

ix	iy	ix	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
405	365	269767	-102981.1413	102637.3170250766	39.7041116532843	-101.652379	314389.3544983456	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
406	365	269768	-102221.1413	102637.3170250766	39.70410820965628	-101.628393	314590.3536	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
407	365	269769	-101661.1413	102637.3170250766	39.70420520718674	-101.665492	314791.352146779	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
410	365	269770	-101001.1413	102637.3170250766	39.7043216247729	-101.582409	314992.3512752473	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
411	365	269771	-100341.1413	102637.3170250766	39.70439079444496	-101.558606	315193.348605744	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
412	365	269772	-99681.1413	102637.3170250766	39.70445594120465	-101.535162	315394.3482561736	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
413	365	269773	-99021.1413	102637.3170250766	39.704527200516	-101.511719	315595.3464722247	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
414	365	269774	-98361.1413	102637.3170250766	39.7045952459861	-101.488276	315793.3461183925	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
415	365	269775	-97701.1413	102637.3170250766	39.7046625190079	-101.464633	315997.34257962245	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
416	365	269776	-97011.1413	102637.3170250766	39.7047253314564	-101.441138	316198.3402	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
417	365	269777	-96381.1413	102637.3170250766	39.7047957034554	-101.417498	316399.336464222	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
418	365	269778	-95721.1413	102637.3170250766	39.7048612602676	-101.394503	316600.334988898	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
419	365	269779	-95051.1413	102637.3170250766	39.70492780199695	-101.371059	316801.332134205	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
420	365	269780	-94401.1413	102637.3170250766	39.7049920904526	-101.347616	317002.3291	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
421	365	269781	-93741.1413	102637.3170250766	39.7050596	-101.324713	317203.325896427	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
422	365	269782	-93091.1413	102637.3170250766	39.705107182740225	-101.300729	317404.322501036	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
423	365	269783	-92421.1413	102637.3170250766	39.705161849833834	-101.277288	317605.318932679	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
424	365	269784	-91761.1413	102637.3170250766	39.7052473516737	-101.253843	317806.3151875367	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
425	365	269785	-91101.1413	102637.3170250766	39.7053103308262	-101.2304	318007.312649514	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
426	365	269786	-90441.1413	102637.3170250766	39.70537326999885	-101.206956	318208.30716514837	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
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428	365	269788	-89121.1413	102637.3170250766	39.7054955320145	-101.16007	318610.296434828	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
429	365	269789	-88461.1413	102637.3170250766	39.70555623914256	-101.136789	318819.2932325989	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
430	365	269790	-87801.1413	102637.3170250766	39.70561726474594	-101.113183	319012.289897271	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
431	365	269791	-87141.1413	102637.3170250766	39.70567729911462	-101.089739	319213.284	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
432	365	269792	-86481.1413	102637.3170250766	39.70573768643616	-101.066296	319414.278550087	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
433	365	269793	-85821.1413	102637.3170250766	39.705796	-101.042853	319615.2732006524	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
434	365	269794	-85161.1413	102637.3170250766	39.7058546528573	-101.019439	319816.2680950465	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
435	365	269795	-84501.1413	102637.3170250766	39.70591576914256	-100.996166	320017.2623232589	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
436	365	269796	-83841.1413	102637.3170250766	39.7059769231578	-100.973253	320218.2564623525	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
437	365	269797	-83181.1413	102637.3170250766	39.70602790383914	-100.949079	320419.2504	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
438	365	269798	-82521.1413	102637.3170250766	39.706087943257	-100.925236	320620.2442	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
439	365	269799	-81861.1413	102637.3170250766	39.7061611974039	-100.902193	320821.327296365	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
440	365	269800	-81201.1413	102637.3170250766	39.70619741756625	-100.878749	321022.31269696	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
441	365	269801	-80541.1413	102637.3170250766	39.7062554448131	-100.855306	321223.253558247	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
442	365	269802	-79891.1413	102637.3170250766	39.7063273178027	-100.831862	321424.2172714942	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
443	365	269803	-79221.1413	102637.3170250766	39.7063622805581	-100.809419	321625.2105455103	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
444	365	269804	-78561.1413	102637.3170250766	39.7064164190563	-100.787497	321826.20392406	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
445	365	269805	-77901.1413	102637.3170250766	39.7064701046384	-100.761532	322027.1956614929	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
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447	365	269807	-76581.1413	102637.3170250766	39.7065761170534	-100.714645	322429.1804847535	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
448	365	269808	-75921.1413	102637.3170250766	39.70662843439615	-100.691022	322630.127	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
449	365	269809	-75261.1413	102637.3170250766	39.7066829378061	-100.667594	322831.042179042	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
450	365	269810	-74601.1413	102637.3170250766	39.7067317388012	-100.644315	323032.15612468036	4397857.035088892	305.407861979042	595.502616896184	2948.3867903680793	2948.1000022162493	41.1512652810603	47.4026146799305
451	365	269811	-73941.1413	102637.3										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
533	356	269893	-1921.14133	1026327.3170250766	39.109442080571684	-100.8698953	339713.88770570885	4397346.809051476	2986.1092547365793	2826.296078993607	2808.642782755853	2908.593518753996	17.65329623735693	17.70256039010326
534	356	269894	-19161.14133	1026327.3170250766	39.1094341814336	-100.8675059	339734.8656742527	4397342.768117676	2986.719062991598	2823.3047615628647	2806.059348244446	2906.319534824446	17.81205188050507	17.58482080420404
535	356	269895	-18581.14133	1026327.3170250766	39.1094471042317	-100.8651054	341321.707131155	4397328.72417021	2986.02364549781	2821.483851770657	2800.2237160557	2900.42706155979	21.2815801100113	21.051245614678464
536	356	269896	-17841.14133	1026327.3170250766	39.109456741061	-100.8628172	3403616.214714384	4397336.68949165	2986.230842112206	2919.035408497232	2792.741629044094	2929.632038	26.2613175483381	26.39624271955132
537	356	269897	-17181.14133	1026327.3170250766	39.109471591058	-100.8604729	340517.7886519006	4397330.64675142	2984.368738748804	2816.561164861507	2785.2918146714615	2784.937455821486	31.26935019046225	31.62370737359504
538	356	269898	-16521.14133	1026327.3170250766	39.1094831550879	-100.8581285	340718.7786	4397336.66713986	2982.506635	2816.026912091366	2778.6515153991304	2782.7519152784935	35.4117785	35.8107793
539	356	269899	-15861.14133	1026327.3170250766	39.109494266194	-100.8557841	340919.7531990745	4397322.56685767	2889.71681602615	2811.5412847633143	2773.068587129052	2784.1649849919125	38.4726973428949	38.9262997142906
540	356	269900	-1501.14133	1026327.3170250766	39.1095049243811	-100.8534398	3410.173202419018	4397318.521741049	2888.199663036305	2806.309725700477	2763.2532996645	2768.80956897400	40.1890377606140	40.1890377606140
541	356	269901	-14541.14133	1026327.3170250766	39.1095151296458	-100.8510564	341321.707131155	4397328.72417021	2986.02364549781	2821.483851770657	2800.2237160557	2900.42706155979	21.2815801100113	21.051245614678464
542	356	269902	-13891.14133	1026327.3170250766	39.1095248819465	-100.8487511	341522.638970547	4397310.4049	2976.5509668620962	2803.85727584737	2765.502227584737	2765.434581333743	27.3634952049972	28.4198715430945
543	356	269903	-13221.14133	1026327.3170250766	39.10953418143006	-100.8464607	341723.660448173	4397306.10420425	2870.87429249332	2801.2558337350815	2765.937610639756	2765.094007179948	35.3202035932891	36.1642558513331
544	356	269904	-12561.14133	1026327.3170250766	39.1095432078992	-100.8440623	341924.6387962096	4397302.371601596	2859.22536880134	2798.646417752343	2765.998087726135	2764.7072736995974	32.64668095272936	33.91341402574546
545	356	269905	-11901.14133	1026327.3170250766	39.10955142147775	-100.841718	342125.6132568575	4397286.33229976	2847.578356456336	2796.028833460454	2764.496585154504	2763.2917684761752	30.32132882272508	
546	356	269906	-11241.14133	1026327.3170250766	39.10955936212834	-100.8393736	342226.5898311162	4397294.290593428	2835.92771005538	2793.381928248671	2765.1649825344025	2768.164982786761	28.2184065904121	29.26440630142277
547	356	269907	-10581.14133	1026327.3170250766	39.1095668498571	-100.8370293	342327.5685331684	4397290.257189929	2828.11902955915	2790.734613713883	2764.3265823202614	2763.504462767227	26.40859950110865	27.23038369614129
548	356	269908	-9921.14137	1026327.3170250766	39.1095738846638	-100.8346489	342728.54171239256	4397286.33229976	2824.152230779173	2788.073873321771	2763.03873382131	2762.58021735744	25.04164989554014	25.48050154192997
549	356	269909	-9261.14137	1026327.3170250766	39.10958046654774	-100.8323405	342929.5168415522	4397282.18089204	2820.1854314031957	2785.42091296272	2761.32438401418934	2761.1384248997323	24.088611150978522	24.27366840343983
550	356	269910	-8601.14137	1026327.3170250766	39.1095928505593	-100.8299962	343130.49235806435	4397278.14477636	2816.218632427219	2782.736496171956	2758.396454965966	2758.49491616094026	23.435107797367	23.3015800713921
551	356	269911	-7941.14137	1026327.3170250766	39.1095922715484	-100.8276518	343331.4427396452	4397274.10706242	2813.1019667135003	2780.05237827209	2754.4169888075294	2753.51225515806	25.6354901967963	25.73771266894004
552	356	269912	-7281.14137	1026327.3170250766	39.1095974946651	-100.8253075	343532.4427396452	4397270.17167854	2807.73265561135591	2777.2625664116784	2750.6291456671242	2750.2825495054164	26.73324857516994	27.07997405175243
553	356	269913	-6621.14137	1026327.3170250766	39.1096022645936	-100.8229631	343733.4184	4397266.046598314	2808.580645998314	2774.6664843616404	2774.443811039791	2774.139496029097	27.2226323184947	27.52796745904965
554	356	269914	-5961.14137	1026327.3170250766	39.1096058213103	-100.8206187	343934.3925016183	4397261.986390509	2806.309725700477	2774.65365515594	2774.050266688273	2744.06580470403	26.735405447166713	27.35736510838976
555	356	269915	-5301.14137	1026327.3170250766	39.1096149648045	-100.8182762	344135.3612949842	4397262.565290311	2797.359168954408	2770.89112142392297	2764.8112142392297	2764.8112142392297	26.498581689898	26.9285884251352
556	356	269916	-4641.14137	1026327.3170250766	39.109613857009	-100.81593	344336.3242822317	4397253.92554417	2798.782074653381	2766.551749855677	2740.334351326207	2739.87862796373	26.21739763047323	26.67188616020439
557	356	269917	-3981.14137	1026327.3170250766	39.109618614119	-100.8135857	344537.316725628	4397249.580907083	2794.52301214174	2763.839442509395	2737.182353866016	2736.889802	26.55708867709364	26.9503602403509
558	356	269918	-3321.14137	1026327.3170250766	39.1096193219938	-100.8112413	344738.2910527408	4397245.85563012	2790.26572777586	2761.125981438891	2733.37660968236	2733.17673075986	27.74932047065476	27.945214068305082
559	356	269919	-2661.14137	1026327.3170250766	39.1096213746532	-100.8088989	344939.2652130738	4397241.00252243	2787.980852656436	2758.4132790146327	2728.741778413315	2728.693263086294	26.97150060131793	29.63549246855816
560	356	269920	-2001.14137	1026327.3170250766	39.1096227429047	-100.8065526	345140.23922731524	4397237.786	2787.669275848024	2755.7022814232508	2723.489846	2723.336490965056	32.2136353896097	32.36579077819488
561	356	269921	-1341.14137	1026327.3170250766	39.1096241743902	-100.8042862	345341.213949842	4397233.751006145	2787.359168954408	2755.879260470904	2721.172085334524	2721.172085334524	33.826265113548838	34.826265113548838
562	356	269922	-681.14137	1026327.3170250766	39.1096248150948	-100.8018633	345542.1867969789	4397229.716597124	2787.046132711988	2754.910765181847	2720.416590792597	2720.416590792597	33.7335490571026	34.7335490571026
563	356	269923	-21.14132963	1026327.3170250766	39.109625056058	-100.7995195	345743.16035994235	4397225.68244144	2786.05925	2748.3973208702614	2702.8187943784827	2702.8187943784827	45.578370843275	45.7902575189136
564	356	269924	638.85867303514	1026327.3170250766	39.1096248411276	-100.7971751	345944.13743740806	4397216.48474005	2786.04720205605	2746.414922616486	2697.32432	2696.890123179045	49.85269027867882	49.5247939435241
565	356	269925	1298.85867303514	1026327.3170250766	39.1096241792324	-100.7948308	346145.1073059674	4397213.61748287	2782.914311123781	2744.437801	2695.4748855451126	2695.96585427875	49.8629153194723	49.468215469172264
566	356	269926	1958.85867303514	1026327.3170250766	39.1096231	-100.7924864	346346.801650175015	4397217.5181	2781.323920440262	2742.435987566575	2697.294370120701	2696.9837221962117	45.1922864496655	45.5263272569455816
567	356	269927	2618.85867303514	1026327.3170250766	39.1096214907184	-100.7904121	346547.0552598824	4397209.4846688	2780.251398178626	2740.4922651329475	2701.42737152161	2701.038149314248	39.0645338078654	39.4541020152298
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569	356	269929	3938.85867303514	1026327.3170250766	39.1096169905593	-100.7854233	346968.9981659135	4397201.4832	2778.11718081898	2736.56478981913	2720.103802721322	2720.103802721322	36.35509167049304	36.45461302407185
570	356	269930	4598.8586730351	1026327.3170250766	39.1096140610216	-100.783109	347149.9145032984	4397197.494707575	2776.586170313912	2734.6411728138668	2714.03148994924	2714.03148994924	35.80239189454005	35.9474473051525
571	356	269931	5258.8586730351	1026327.3170250766	39.109610786109	-100.780746	347350.943522226	4397193.1397804	2775.769741833314	2732.665154087175	2717.326650552957	2717.326650552957	35.50353432178	35.4035404886992
572	356	269932	5918.8586730351	1026327.3170250766	39.109606842778	-100.7784203	347551.9154713737	4397189.385317679	2770.69189264048	2730.72640065233	2715.75245991687	2715.75245991687	39.79340673533889	39.104308921867414
573	356	269933	6578.8586730351	1026327.3170250766	39.109602550223	-100.776059	347752.887831482	4397185.35407397	2765.61435445688	2728.796118113385	2721.170102933464	2721.170102933464	37.72234187199205	37.72234187199205
574	356	269934	7238.8586730351	1026327.3170250766	39.10959978134443	-100.7737213	347953.8597763008	4397181.32185588	2760.53619426731	2726.875739	2721.519169126533	2721.50875312473	3.536621204336634	3.536621204336634
575	356	269935	7898.8586730351	1026327.3170250766	39.109596187438	-100.7713872	348154.8316661101	4397177.21598	2760.04901571768	2724.963015171768	2720.963015171768	2720.963015171768	3.882988911648793	3.882988911648793
576	356	269936	8558.8586730351	1026327.3170250766	39.10959277009	-100.7690428	348355.8032103094	4397173.29532511	2765.002212166029	2723.067381070463	2720.196117615153	2720.		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKth.f	SatThLog.f	SatThBoth.f		
59	35	20109	63338.8586730335	10263237.310250766	39.71075339489997	-105.744613	36055.9600464986	43968.39.484613389	27623.2346602933162	2627.1649318991967	2639.6253416712616	2640.3317466098433	0	0		
660	365	20200	63998.8586730335	10263237.310250766	39.71074956592183	-105.572117	36523.26013025488	43968.56.427862269	2770.4368074441160	2627.0497728572783	2638.9199068754733	2640.3317466098433	0	0		
661	365	20201	64018.8586730335	10263237.310250766	39.7107515471517	-105.569728	36547.8809897561	43968.57.438118443	2771.6309458982997	2628.9751138440165	2640.018745	2640.098674010943	0	0		
662	365	20202	64318.8586730335	10263237.310250766	39.71074904959063	-105.567423	36563.83981832664	43968.58.43422205	2784.81107144609	2626.93159480763	2638.3105088031089	2639.564858739916	0	0		
663	365	20203	64978.8586730335	10263237.310250766	39.7107361897587	-105.5650839	36583.99	43968.23.439620488	2790.055603606823	2626.8379090769504	2638.543061424805	2638.715989743051	0	0		
664	365	20204	66638.8586730335	10263237.310250766	39.71073163939028	-105.5627396	366040.75919053733	43968.24.438080488	2793.282539563613	2626.966991754139	2636.870608704063	2636.970354767015	0	0		
665	365	20205	67298.8586730335	10263237.310250766	39.7107234369291	-105.5603952	366241.718632696	43968.25.439620488	2796.500449062901	2627.0300781564165	2634.20289352067	2634.3271727698986	0	0		
666	365	20206	67958.8586730335	10263237.310250766	39.710722402703716	-105.5580509	366442.6779503446	43968.11.408	2798.736559549394	2627.1191309062087	2631.15661576741	2631.31102635306	0	0		
667	365	20207	68618.8586730335	10263237.310250766	39.710717716422784	-105.555706	366643.63713881443	43968.07.36810877	2798.4499269824474	2627.2358259391376	2627.9713087467174	2628.1620541964903	0	0		
668	365	20208	69227.8586730335	10263237.310250766	39.7107129845503	-105.5533622	366844.5961988094	43968.08.38334169	2792.6752051913	2627.31252669308	2625.0124863179	2.65266944242591	2.289972725592486	0	0	
669	365	20209	69838.8586730335	10263237.310250766	39.710708207985526	-105.5510179	367045.555137522	43967.99.37896424	2786.846211231382	2627.523258	2621.483105107565	2621.8211515517296	2.6623003261265301	2.71720657740729	0	0
670	365	20300	70598.8586730335	10263237.310250766	39.7107303582926	-105.5486735	367246.5139403641	43967.95.36940637	2781.04470400852	2627.804300300596	2618.097571875973	2618.146048289233	3.062721925	9.288198970976282	0	0
671	365	20301	71258.8586730335	10263237.310250766	39.71068851838125	-105.5463292	367447.4726207304	43967.96.36416796	2782.26119527222	2627.8948304283927	2614.7884548948895	2614.920446596623	3.103675479403141	12.97436556938783	0	0
672	365	20302	71918.8586730335	10263237.310250766	39.7106930564153	-105.5439848	367648.4311742494	43967.97.3514879	2778.49547195547	2628.01966489	2610.8525581957215	2610.864802726545	17.244131108638612	17.21389031705578	0	0
673	365	20303	72578.8586730335	10263237.310250766	39.71068864767057	-105.5416405	367849.3891012916	43967.98.32462929	2787.22776699304	2628.307264030115	2606.790486218205	2606.839481804455	21.67078223	21.67078223	0	0
674	365	20304	73238.8586730335	10263237.310250766	39.7106834242845	-105.5392962	368050.3480022716	43967.99.33458478	2778.964007142413	2628.310332766253	2603.33300747128	2603.085391712896	25.18802780537242	25.4365433638746	0	0
675	365	20305	73898.8586730335	10263237.310250766	39.7106785956942	-105.5368518	368251.36017729016	43967.75.31284374	2781.957100613879	2628.7380752491727	2601.2532335651057	2601.23099654872	27.15574168466925	27.49497564330817	0	0
676	365	20306	74558.8586730335	10263237.310250766	39.7106735176278	-105.5346075	368452.26425563274	43967.71.32645492	2786.318543827	2628.952645548024	2601.608500671234	2601.4648830351884	27.3647638	27.49038151961394	0	0
677	365	20307	75218.8586730335	10263237.310250766	39.7106836256447	-105.5326231	368653.2215027164	43967.76.31082141	2793.4603953240	2629.178915363044	2601.9071446779874	2601.9595508827992	27.274646565764	27.274646565764	0	0
678	365	20308	75878.8586730335	10263237.310250766	39.710663178074455	-105.5299188	368854.17994564506	43967.73.30917619	2799.2140059202617	2629.38470485892	2601.4893047688881	2601.4893047688881	27.295424971091916	27.295424971091916	0	0
679	365	20309	76538.8586730335	10263237.310250766	39.7106579482927	-105.5275744	369055.1376218525	43967.79.296173089	2801.72961806175	2629.5890671789393	2603.737996999904	2600.6072746703145	28.085146748	28.861820471484752	0	0
680	365	20400	77198.8586730335	10263237.310250766	39.710652673219464	-105.525201	369265.0561018904	43967.75.2891366	2801.01226502716	2629.794816176541	2599.4584951965527	2599.1316483247191	28.284529176989104	28.46778343	0	0
681	365	20401	77848.8586730335	10263237.310250766	39.71064744795451	-105.5228163	369459.4910408537	43967.72.251712988	2789.922574814634	2629.547208	2602.477892020395	2572.04304303029	44.3067347615702	44.3067347615702	0	0
682	365	20402	78518.8586730335	10263237.310250766	39.71064198719787	-105.5205144	369658.00982326	43967.74.25908478	2798.577569738679	2630.108304781329	2596.374596928574	2595.717567519346	33.737051527519	34.903731209444	0	0
683	365	20403	79178.8586730335	10263237.310250766	39.7106365762459	-105.5181971	369858.9670675836	43967.71.2969871292	2797.531851228888	2630.24003704837	2594.6363223886557	2593.930392	33.630783178818	36.31303857562702	0	0
684	365	20404	79838.8586730335	10263237.310250766	39.71063112000974	-105.5158527	370059.9241182634	43967.79.26357309	2795.353953912774	2630.356397910056	2592.47415087625	2591.882418642577	37.8822473038092	38.4739792747908	0	0
685	365	20405	80498.8586730335	10263237.310250766	39.71062618478254	-105.5135084	370260.881040496	43967.75.25774005	2797.2732662116	2630.42069438509	2590.381695655240	2590.1572702532326	40.060373828515	40.28479185818633	0	0
686	365	20406	81158.8586730335	10263237.310250766	39.710620071655185	-105.5111641	370461.8378480155	43967.73.21344682	2790.069926095316	2629.487859351766	2588.48549	2588.1991920846006	40.21235660478658	42.2996360567605	0	0
687	365	20407	81818.8586730335	10263237.310250766	39.7106142795178	-105.5088197	370662.7945275386	43967.72.246770759	2787.221542677079	2629.524238911373	2586.5851337478198	2572.04304303029	44.3067347615702	44.3067347615702	0	0
688	365	20408	82458.8586730335	10263237.310250766	39.71060842110854	-105.5064574	370863.7510354583	43967.73.21463831	2783.93145523045	2630.50546281745	2587.31399520984	2587.31399520984	45.89166774176135	46.29704165480825	0	0
689	365	20409	83138.8586730335	10263237.310250766	39.71060315943649	-105.5041311	371064.70571074776	43967.79.373623886	2790.5797883968	2630.4500343018736	2582.8292234156584	2582.8292236760227	49.42172039	50.4217710384675	0	0
690	365	20500	83798.8586730335	10263237.310250766	39.7105973144713	-105.5017867	371265.6638	43967.53.230269714	2777.0762161216107	2630.35737634816	2580.8627349810283	2580.079159241057	49.4931307	50.3475783375896	0	0
691	365	20501	84458.8586730335	10263237.310250766	39.71059165816623	-105.4994424	371466.620150343	43967.51.22763207	2774.6044940002993	2630.21888637188	2578.881626261954	2577.979934485006	51.3362641	52.23739451	0	0
692	365	20502	85118.8586730335	10263237.310250766	39.7105883959379	-105.497098	371667.5268032717	43967.70.23427855	2776.04150500022	2630.077290841757	2576.826669499654	2576.017305448189	53.210591134210245	54.20107604	0	0
693	365	20503	85738.8586730335	10263237.310250766	39.71057995752286	-105.494737	371868.53221858	43967.73.21845544	2771.4833699047455	2629.814241223449	2574.644221277109	2574.053274622039	55.1907529764001	55.76906590331005	0	0
694	365	20504	86438.8586730335	10263237.310250766	39.7105740547298	-105.492404	372059.4910408537	43967.72.215712988	2769.922574814634	2629.547208	2602.477892020395	2572.04304303029	57.023918303037	57.023918303037	0	0
695	365	20505	87098.8586730335	10263237.310250766	39.71056811272945	-105.490065	372270.435431458	43966.96.212	2767.538343570695	2629.238270040548	2570.661871904458	2570.115073491379	58.57638995517825	59.12139654874227	0	0
696	365	20506	87758.8586730335	10263237.310250766	39.7105621123896	-105.4877207	372471.3991205699	43966.90.20952020	2764.33086571254	2628.89025271212	2568.52555559488	2568.173192339054	60.3634071172397	60.7158263214666	0	0
697	365	20507	88418.8586730335	10263237.310250766	39.710556067359055	-105.4853764	372672.3545765638	43966.91.2885678625	2766.520237185055	2566.5827135112468	2567.5821563112468	2567.5821563112468	62.2297737356566	62.2297737356566	0	0
698	365	20508	89078.8586730335	10263237.310250766	39.7105499703769	-105.483032	372873.3099113343	43966.83.206306318	2757.9151331380628	2628.01733386028	2564.895434990070	2564.818697253043	63.186286780983	63.73986360750416	0	0
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700	365	20510	90338.8586730335	10263237.310250766	39.7105376052057	-105.478344	373275.2021802876	43966.75.198	2750.44863204017	2627.1488825461737	2561.1406817245853	2561.0535344624715	65.9842025158399	66.21353802	0	0
701	365	20601	91838.8586730335	10263237.310250766	39.71053143424864	-105.4759833	373469.3102509911	43966.72.215712988	2749.922574814634	2629.547208	2576.826669499654	2576.017305448189	67.58758848			

ix	yy	cc	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.f	BRELEVBothKrg.f	SatThkH.f	SatThkBot.f
171	366	2021	-258741.1413	1033297.3170250766	39.70929509085418	-107.1785024	66668.1747764553	4399026.325282912	3476.052307847063	3348.3855064091554	3266.141034881994	3246.004392834523	326.24447172716145	104.1311375462331
172	366	2021	-258081.1413	1033297.3170250766	39.709312623801748	-107.1761582	267153.2327	4399022.199732151	3479.8731771794643	3347.366670593003	3254.5593399375923	3245.5364268984326	327.00733055437371	104.1310320496547371
173	366	2021	-253461.1413	1033297.3170250766	39.70930551146263	-107.176124	267554.2791552557	4399018.073312011	3483.621751191185	3346.345187376084	3250.892769242592	3245.54439482111607	327.00733055437371	104.1310320496547371
174	366	2021	-256761.1413	1033297.3170250766	39.70934815383764	-107.171668	267555.3259973213	4399013.474800965	3487.406479642466	3345.300681965246	3250.994821862008	3243.6875653326209	327.00733055437371	104.1310320496547371
175	366	2021	-256101.1413	1033297.3170250766	39.70936570924028	-107.7091256	267756.3762157232	4399009.82226813	3490.5048896561157	3344.293736294349	3249.20367606780544	3241.6385675056307	327.00733055437371	104.1310320496547371
176	366	2021	-254441.1413	1033297.3170250766	39.70933037272462	-107.7067814	267957.41899901314	4399005.967127566	3491.50476476522	3343.263226	3247.4103391046506	3239.108682767369	327.00733055437371	104.1310320496547371
177	366	2021	-254781.1413	1033297.3170250766	39.709400809238275	-107.7044372	268158.4651586294	4399001.572205372	3495.32911338883	3342.284157502318	3245.6337398238127	3236.400500202525	327.00733055437371	104.1310320496547371
178	366	2021	-254121.1413	1033297.3170250766	39.70941727046511	-107.702093	268359.51108823296	4389997.47519332	3497.7412290326633	3341.1876890166983	3243.796487156824	3232.286808911367	327.00733055437371	104.1310320496547371
179	366	2021	-253461.1413	1033297.3170250766	39.7094566404956	-107.6897488	268650.55978742455	4389983.32069819	3498.1947511712022	3340.13859157376084	3241.892736982324	3227.00733055437371	104.1310320496547371	104.1310320496547371
180	366	2021	-252901.1413	1033297.3170250766	39.70945305705792	-107.6974046	268716.5023	4389981.19855393	3498.698498419169	3339.081737387126	3240.0615521565387	3227.00733055437371	104.1310320496547371	104.1310320496547371
181	366	2021	-252141.1413	1033297.3170250766	39.70947038242387	-107.6950604	268962.6475003397	4389895.074875652	3498.184618556316	3338.0110471343787	3238.4022892004577	3233.6794778894976	327.00733055437371	104.1310320496547371
182	366	2021	-251481.1413	1033297.3170250766	39.7094786	-107.6927162	269163.6925305383	4389890.951273243	3495.95752226483	3336.92540382753	3236.751530706084	3235.477012541587	327.00733055437371	104.1310320496547371
183	366	2021	-250821.1413	1033297.3170250766	39.70950489729468	-107.6903719	269364.7313422087	4389875.813736346	3492.206512257892	3335.81209580026	3234.7909141598807	3234.548579098549	327.00733055437371	104.1310320496547371
184	366	2021	-250161.1413	1033297.3170250766	39.7095220679951	-107.6880277	269565.781774604	4389872.704363671	3495.76498646028	3334.68188993327	3232.810706408425	3232.24420413028817	327.00733055437371	104.1310320496547371
185	366	2021	-249501.1413	1033297.3170250766	39.70953923101718	-107.6859483	269768.6262137266	4389868.381310087	3498.325330461073	3332.503330461073	3231.5099902504026	3230.96264143452515	327.00733055437371	104.1310320496547371
186	366	2021	-248841.1413	1033297.3170250766	39.7095632994772	-107.6833393	269967.8703222305	4389854.458134685	3497.883471418023	3332.36474851754	3229.292324162937	3229.252327119907	327.00733055437371	104.1310320496547371
187	366	2021	-248181.1413	1033297.3170250766	39.70957338391917	-107.680951	270168.9142061725	4389860.35947451	3498.336991785523	3331.186011371194	3228.3327186281283	3227.00733055437371	104.1310320496547371	104.1310320496547371
188	366	2021	-247521.1413	1033297.3170250766	39.709590391947216	-107.6786509	270369.9536726466	4389856.213565082	3498.685069128687	3329.99143051145	3226.931048578124	3227.2402651271234	327.00733055437371	104.1310320496547371
189	366	2021	-246861.1413	1033297.3170250766	39.70960735501614	-107.6763067	270571.0123202674	4389849.091562471	3493.03134847244	3328.808144474303	3225.48899466768	3225.5405361219537	327.00733055437371	104.1310320496547371
190	366	2021	-246201.1413	1033297.3170250766	39.70962427727974	-107.6739625	270772.0444971474	4389847.969710705	3491.3812808	3327.615412843819	3223.7971103614154	3223.847579839677	327.00733055437371	104.1310320496547371
191	366	2021	-245541.1413	1033297.3170250766	39.70964114529202	-107.6716812	27093.0784764874	4389843.848095079	3490.687438105505	3326.422480954804	3222.27719	3221.11239633471	327.00733055437371	104.1310320496547371
192	366	2021	-244881.1413	1033297.3170250766	39.70965774948974	-107.669274	27114.130229325	4389839.76715587	3490.98274593124	3325.2303234089488	3220.6410500567695	3219.768670672947	327.00733055437371	104.1310320496547371
193	366	2021	-244221.1413	1033297.3170250766	39.7096744541854	-107.667484	27135.271576578	4389835.652932211	3491.2541162129467	3324.891878769857	3219.851477358	3218.15351564237	327.00733055437371	104.1310320496547371
194	366	2021	-243561.1413	1033297.3170250766	39.70969149	-107.6654856	271575.215004597	4389831.48669437	3491.5527051917545	3322.851540705783	3217.186331145452	3215.962623389327	327.00733055437371	104.1310320496547371
195	366	2021	-242901.1413	1033297.3170250766	39.709708182354524	-107.663214	271777.257138345	4389827.3639933	3491.186730159475	3321.657746580306	3215.531456991288	3213.71946243289	327.00733055437371	104.1310320496547371
196	366	2021	-242241.1413	1033297.3170250766	39.709724854264	-107.6598972	271978.29899157607	4389823.2435879	3498.19697992293	3320.482724716398	3213.88697655568	3211.2379543012803	327.00733055437371	104.1310320496547371
197	366	2021	-241581.1413	1033297.3170250766	39.7097414292236	-107.6575925	272179.340620841	4389819.132398525	3498.1502646	3319.302654796525	3212.2995312545725	3209.322859789326	327.00733055437371	104.1310320496547371
198	366	2021	-240921.1413	1033297.3170250766	39.70975984740574	-107.6552087	272380.38202470384	4389815.00339701	3502.1356036579273	3318.125711	3210.557809120432	3208.641937	327.00733055437371	104.1310320496547371
199	366	2021	-240261.1413	1033297.3170250766	39.70977448929818	-107.6529646	272581.4220504141	4389809.50190346	3502.51467368675	3317.851879186857	3209.487787926857	3208.487787926857	327.00733055437371	104.1310320496547371
200	366	2021	-239601.1413	1033297.3170250766	39.70979007909	-107.6505203	272782.164115009	4389805.764179254	3502.51467368675	3317.851879186857	3209.487787926857	3208.487787926857	327.00733055437371	104.1310320496547371
201	366	2021	-238941.1413	1033297.3170250766	39.70980737942556	-107.648176	272983.5049492624	4389802.64404885	3503.766051551032	3314.617154692004	3206.875837233087	3206.8711284717	327.00733055437371	104.1310320496547371
202	366	2021	-238281.1413	1033297.3170250766	39.70982375	-107.6458318	273184.545053614	4389808.529904257	3503.766051551032	3314.617154692004	3206.875837233087	3206.8711284717	327.00733055437371	104.1310320496547371
203	366	2021	-237621.1413	1033297.3170250766	39.7098406828938	-107.6434876	273385.5857896345	4389804.47127124	3503.766051551032	3314.617154692004	3206.875837233087	3206.8711284717	327.00733055437371	104.1310320496547371
204	366	2021	-236961.1413	1033297.3170250766	39.70986366562	-107.6411413	273586.625525597	4389800.28557233	3502.4065518673	3312.254576069057	3205.425761726915	3204.7217346554	327.00733055437371	104.1310320496547371
205	366	2021	-236301.1413	1033297.3170250766	39.7098726505411	-107.6387991	273767.665692364	4389806.17024778	3518.9508139906708	3309.943441339952	3205.006496531184	3204.7217346554	327.00733055437371	104.1310320496547371
206	366	2021	-235641.1413	1033297.3170250766	39.7098978214784	-107.6364549	273968.705210375	4389802.55190346	3521.1241162129467	3308.703095150684	3204.362039290273	3203.7515351564237	327.00733055437371	104.1310320496547371
207	366	2021	-234981.1413	1033297.3170250766	39.70990456107656	-107.6341016	274189.7447054863	4389805.76381935	3520.577838317134	3307.5948908272157	3203.577838317134	3202.7479366234721	327.00733055437371	104.1310320496547371
208	366	2021	-234321.1413	1033297.3170250766	39.70992104871266	-107.6317664	274390.738783721	4389803.61749353	3512.15039974282	3306.41739603008	3202.565037759139	3201.8627911468969	327.00733055437371	104.1310320496547371
209	366	2021	-233661.1413	1033297.3170250766	39.7099371062976	-107.6294222	274591.8228282384	4389805.592504257	3514.6750516313915	3305.236536863872	3201.6356956422987	3201.64164679123	327.00733055437371	104.1310320496547371
210	366	2021	-233001.1413	1033297.3170250766	39.70995311805896	-107.6270779	274792.8615582398	4389805.58252733	3516.799783285507	3304.0524413446187	3200.627093198893	3200.627093198893	327.00733055437371	104.1310320496547371
211	366	2021	-232341.1413	1033297.3170250766	39.7099690480019	-107.6247337	274993.900557432	4389801.46558319	3518.6459296454	3302.86524499724	3200.5652555751934	3200.5652555751934	327.00733055437371	104.1310320496547371
212	366	2021	-231681.1413	1033297.3170250766	39.7099850625347	-107.6223899	275174.93459317942	4389805.44689986	3520.013750372552	3301.87536119362	3200.5652555751934	3200.5652555751934	327.00733055437371	104.1310320496547371
213	366	2021	-231021.1413	1033297.3170250766	39.709998241889	-107.620048	275355.98241889	4389802.55190346	3521.1241162129467	3300.875837233087	3200.5652555751934	3200.5652555751934	327.00733055437371	104.1310320496547371
214	366	2021	-230361.1413											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	SurfElevKgr.ft	SurfElevKgr.ft
297	366	270397	-175881.1413		33.023297310250766	36.71117279914135	-101.4231258	292282.4055230449	3389508.294481158	3349.5585478885187	3182.14477911038904	3088.5527197819515	3182.122268050615	33.59270130569484
298	366	270398	-174821.1413		33.023297310250766	36.71117279914135	-101.4207814	252483.4255062365	3389504.198205405	3338.011818981458	3180.4918620293149	3088.695831160409	3180.950082812954	33.59358581112554
299	366	270399	-174261.1413		33.023297310250766	36.71117279914135	-101.4184771	238864.4454	3389500.101867239	3331.06810510703	3178.8403053835503	3088.66126877655	3181.583535941232	33.59435658696836
300	366	270400	-173601.1413		33.023297310250766	36.71117279914135	-101.416028	228885.4649657587	3389496.050047423	3328.7075522475093	3177.1894225856593	3087.363453159944	3180.950082812954	33.59435658696836
301	366	270401	-172941.1413		33.023297310250766	36.71122063372161	-101.4137485	233086.4843736472	3389491.910252497	3326.3502344393556	3175.538334	3092.873811030885	3096.357193378573	33.59435658696836
302	366	270402	-172281.1413		33.023297310250766	36.711232479140705	-101.414042	232387.5035787079	3389487.818025448	3323.9944640434352	3173.8440075105572	3091.777205343332	3092.3816641768935	33.59435658696836
303	366	270403	-171621.1413		33.023297310250766	36.71124427296396	-101.4090599	233488.52258114173	3389483.178988866	3320.525490091194	3172.225450091194	3087.669148915839	3087.350082812954	33.59435658696836
304	366	270404	-170961.1413		33.023297310250766	36.71125603410757	-101.4067155	233689.541381119916	3389479.625	3316.516015680414	3170.562863848485	3082.089898	3087.33606029713	33.59435658696836
305	366	270405	-170301.1413		33.023297310250766	36.7112682161221	-101.4043719	233890.598978942	3389475.5298121216	3308.30517862616	3165.89126819147054	3076.951151847054	3076.950082812954	33.59435658696836
306	366	270406	-169641.1413		33.023297310250766	36.71127407915529	-101.4020229	234091.578747543	3389471.43535074	3308.10170081339	3167.2177910514	3072.950294218765	3071.7714502513788	33.59435658696836
307	366	270407	-168881.1413		33.023297310250766	36.71129102687926	-101.3998828	234292.5965687654	3389474.301407698	3301.3411602746383	3165.5653786174555	3070.342049472087	3067.45239660645	33.59435658696836
308	366	270408	-168231.1413		33.023297310250766	36.7113026055544	-101.397382	234493.614561173	3389469.274032454	3292.084538625743	3163.90159705175	3068.2442027558283	3067.5420915872073	33.59435658696836
309	366	270409	-167661.1413		33.023297310250766	36.71131412894104	-101.3949393	234694.632521957	3389464.153	3282.07295205543	3162.2329921497067	3065.7675835480268	3065.7375894118	33.59435658696836
310	366	270410	-167001.1413		33.023297310250766	36.711325612036056	-101.3924946	234895.649420357	3389450.95693023	3273.391307438447	3160.546809410754	3063.631068782952	3063.80246003398	33.59435658696836
311	366	270411	-166341.1413		33.023297310250766	36.71133704968407	-101.3903053	235096.667330041	3389450.95693023	3267.1959398624719	3158.89523247195	3061.443776984407	3061.443776984407	33.59435658696836
312	366	270412	-165681.1413		33.023297310250766	36.71134842452428	-101.3878909	235297.6845190036	3389446.872242623	3264.121822402828	3157.222268097973	3059.197823149227	3059.605154843083	33.59435658696836
313	366	270413	-165021.1413		33.023297310250766	36.71135978957734	-101.3856166	235498.7015065417	3389442.78032611	3261.0477805116437	3155.54565199407	3058.902602436508	3057.4549841013	33.59435658696836
314	366	270414	-164361.1413		33.023297310250766	36.71137109150978	-101.3832723	235699.7182937246	3389437.687730085	3257.973587730085	3153.8653946011086	3054.60384884422	3055.14055152955	33.59435658696836
315	366	270415	-163701.1413		33.023297310250766	36.71138235	-101.380928	235900.73480759	3389434.5953361	3252.993384965547	3152.181609848503	3052.353816264934	3052.8358122048163	33.59435658696836
316	366	270416	-163041.1413		33.023297310250766	36.7113935950225	-101.3785836	236101.7512678506	3389430.350178049	3246.108622034454	3150.493540247054	3050.66974446293	3051.0794530738183	33.59435658696836
317	366	270417	-162381.1413		33.023297310250766	36.71140475627794	-101.3762393	236302.7675	3389426.412155439	3239.2363733267136	3148.801343692285	3048.951250977015	3048.951250977015	33.59435658696836
318	366	270418	-161721.1413		33.023297310250766	36.71141584632315	-101.373895	236503.784343302	3389422.4194677	3232.33087165783	3147.10200590371	3046.6261523540523	3046.6261523540523	33.59435658696836
319	366	270419	-161061.1413		33.023297310250766	36.71142682151529	-101.3715479	236704.9281215328	3389418.7238115328	3224.71185434498	3145.144682467757	3044.5691158982	3044.5691158982	33.59435658696836
320	366	270420	-160401.1413		33.023297310250766	36.71143781959894	-101.3692033	236905.8148209154	3389414.135894017	3220.618449035923	3143.693320365453	3042.3715059134624	3042.3715059134624	33.59435658696836
321	366	270421	-159741.1413		33.023297310250766	36.71144883896002	-101.366862	237106.8302113873	3389410.954091849	3220.100425680514	3141.8842089260514	3040.569331070725	3040.569331070725	33.59435658696836
322	366	270422	-159081.1413		33.023297310250766	36.71145987560225	-101.3645176	237307.8450315473	3389405.95162798	3220.584551587973	3140.27346848306	3038.872172355424	3038.872172355424	33.59435658696836
323	366	270423	-158421.1413		33.023297310250766	36.71147107817605	-101.3621733	237508.803694224	3389401.86469859	3216.0710455154883	3138.5622809092904	3037.357270147361	3037.357270147361	33.59435658696836
324	366	270424	-157761.1413		33.023297310250766	36.711481819842104	-101.359829	237709.8751913814	3389397.372292923	3215.15652992324	3136.862125802483	3035.540713055485	3035.540713055485	33.59435658696836
325	366	270425	-157101.1413		33.023297310250766	36.71149281251583	-101.3574469	237910.885231583	3389393.847932923	3214.71185434498	3135.144682467757	3034.5691158982	3034.5691158982	33.59435658696836
326	366	270426	-156441.1413		33.023297310250766	36.71150316218262	-101.3551403	238111.4014187262	3389389.65	3213.26567557807	3134.191913741339	3033.26567557807	3033.26567557807	33.59435658696836
327	366	270427	-155781.1413		33.023297310250766	36.71151389516925	-101.352796	238312.918388633	3389385.50449055	3212.07185880274	3131.746914069803	3033.931671588351	3033.931671588351	33.59435658696836
328	366	270428	-155121.1413		33.023297310250766	36.71152456330615	-101.3504516	238513.9322944993	3389381.54161555	3208.82458028087	3130.0622336024173	3032.619357599175	3032.619357599175	33.59435658696836
329	366	270429	-154461.1413		33.023297310250766	36.7115351856029	-101.3481073	238714.9461991055	3389377.3269131	3207.67311173336	3128.3908410564904	3031.68959672624	3031.68959672624	33.59435658696836
330	366	270430	-153801.1413		33.023297310250766	36.71154576287898	-101.3457629	238915.9580965776	3389369.132764173	3206.32637376284	3127.35345376284	3030.6554576745	3030.6554576745	33.59435658696836
331	366	270431	-153141.1413		33.023297310250766	36.7115562487184	-101.3434186	239116.9735212816	3389359.194007361	3205.497193207125	3125.997193207125	3029.4631740963	3029.4631740963	33.59435658696836
332	366	270432	-152481.1413		33.023297310250766	36.711567213583	-101.3410471	239317.9665372417	3389355.061006139	3204.71185434498	3124.71185434498	3028.5816775534	3028.5816775534	33.59435658696836
333	366	270433	-151821.1413		33.023297310250766	36.71157723773865	-101.3387299	239518.995566947	3389350.97447795	3202.12324206207	3123.8832206207	3027.45211386454	3027.45211386454	33.59435658696836
334	366	270434	-151161.1413		33.023297310250766	36.7115876190824	-101.3363856	239720.0123803584	3389346.85	3201.115569029257	3123.0108928257	3026.444611245609	3026.444611245609	33.59435658696836
335	366	270435	-150501.1413		33.023297310250766	36.71159876991148	-101.3340412	239921.02500772837	3389342.797	3200.27147289387	3121.760964662693	3025.89687598483	3025.89687598483	33.59435658696836
336	366	270436	-149841.1413		33.023297310250766	36.71160875433595	-101.3316699	240112.074392804	3389338.70371096	3200.618449035923	3117.271631485414	3024.449267898186	3024.449267898186	33.59435658696836
337	366	270437	-149181.1413		33.023297310250766	36.71161853685456	-101.3293526	240323.967752237	3389334.21256873	3200.618449035923	3115.740714156437	3024.449267898186	3024.449267898186	33.59435658696836
338	366	270438	-148521.1413		33.023297310250766	36.71162870643034	-101.3270082	240534.6611757571	3389330.35161642	3200.618449035923	3114.273869674073	3024.449267898186	3024.449267898186	33.59435658696836
339	366	270439	-147861.1413		33.023297310250766	36.71163904565626	-101.3247598	240745.3611757571	3389326.493290936	3200.618449035923	3113.273869674073	3024.449267898186	3024.449267898186	33.59435658696836
340	366	270440	-147201.1413		33.023297310250766	36.71164904464634	-101.3223195	240956.0852114373	3389322.361892114	3200.618449035923	3112.273869674073	3024.449267898186	3024.449267898186	33.59435658696836
341	366	270441	-146541.1413		33.023297310250766	36.71165932373638	-101.3199752	241177.066969086	3389318.27690806	3200.618449035923	3111.273869674073	3024.449267898186	3024.449267898186	33.59435658696836
342	366	270442	-145881.1413		33.023297310250766	36.7116691572126	-101.3176308	241398.18952458	3389314.18952458	3200.618449035923	3110.273869674073	3024.449267898186	3024.449267898186	33.59435658696836
343	366	270443	-145221.1413		33.023297310250766	36.71167914601483	-101.3152865	241619.3152865	33893					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt	BRELEVLogKrg.f	BRELEVBothKrg.f	SatHtElevLog.f	SatHtBoth.f
423	366	270523	-92421.14133	332927.3170250766	39.12331480208064	-11.12773968	317609.390139404	4397993.9992744075	310.0698849956187	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
424	366	270524	-91791.14133	332927.3170250766	39.12337380051614	-11.1252384	317170.38902108755	4397989.332465953	3143.74458915469	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
425	366	270525	-91101.14133	332927.3170250766	39.12340476020276	-11.123649	3168.134465697695	4397985.863891777	3152.419133353197	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
426	366	270526	-90441.14133	332927.3170250766	39.12350303690696	-11.1207308	31812.180	4397981.799551672	3171.094028	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
427	366	270527	-89781.14133	332927.3170250766	39.1235664782675	-11.1183593	318413.3758785608	4397977.3346672481	3177.933363460038	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
428	366	270528	-89121.14133	332927.3170250766	39.1236262649993	-11.1160149	318614.31727708213	4397973.665754841	3177.933363460038	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
429	366	270529	-88461.14133	332927.3170250766	39.12368719880494	-11.1136705	318815.366093926	4397969.602	3177.94421412609	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
430	366	270530	-87801.14133	332927.3170250766	39.1237477968406	-11.1113261	319016.3613444102	4397965.336534794	3177.94421412609	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
431	366	270531	-87041.14133	332927.3170250766	39.123807707638	-11.108891	319217.3561152682	4397961.474061361	3178.34423479996	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
432	366	270532	-86491.14133	332927.3170250766	39.1238671	-11.106373	319418.350708233	4397957.4064163	3178.543134145405	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
433	366	270533	-85821.14133	332927.3170250766	39.1239264047625	-11.1042929	319619.3451072407	4397953.31741919	3177.272826	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
434	366	270534	-85161.14133	332927.3170250766	39.1239850739354	-11.1019485	319820.339659707	4397949.272365383	3170.002571740665	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
435	366	270535	-84501.14133	332927.3170250766	39.12404329018135	-11.0996041	320021.3334233634	4397945.21003343	3167.482028237955	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
436	366	270536	-83841.14133	332927.3170250766	39.124101053001	-11.0972957	320222.327323056	4397941.14903888	3164.71136242906	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
437	366	270537	-83181.14133	332927.3170250766	39.1241619363919	-11.0949153	320423.310397799	4397937.085224731	3161.94686621706	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
438	366	270538	-82521.14133	332927.3170250766	39.12422152213561	-11.0925709	320624.3148610835	4397933.02174106	3158.170185152216	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
439	366	270539	-81861.14133	332927.3170250766	39.1242716258932	-11.0902265	320825.307478791	4397928.95447465	3157.130868533395	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
440	366	270540	-81201.14133	332927.3170250766	39.1243273750264	-11.0878821	321026.3014315195	4397924.89538975	3155.823065	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
441	366	270541	-80541.14133	332927.3170250766	39.1243830761848	-11.0855377	321227.2941585865	4397920.832601233	3154.516221	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
442	366	270542	-79881.14133	332927.3170250766	39.1244381219394	-11.0831933	321428.280702898	4397916.79967437	3153.2084772821	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
443	366	270543	-79221.14133	332927.3170250766	39.1244927147668	-11.0808489	321628.2796347949	4397912.707088835	3149.293548789016	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
444	366	270544	-78561.14133	332927.3170250766	39.124546465452	-11.0785045	321830.271704559	4397908.54484935	3142.770351059828	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
445	366	270545	-77901.14133	332927.3170250766	39.1245972557951	-11.0761639	322034.2645491805	4397904.583494119	3140.381446716247	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
446	366	270546	-77241.14133	332927.3170250766	39.12465375677746	-11.0738157	322232.256644645	4397900.521937813	3132.723674001947	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
447	366	270547	-76581.14133	332927.3170250766	39.12470655612038	-11.0714713	322443.264224335	4397896.4605156705	3124.893731314621	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
448	366	270548	-75921.14133	332927.3170250766	39.124758	-11.0691269	322634.24042711576	4397892.398327614	3117.512622176897	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
449	366	270549	-75261.14133	332927.3170250766	39.1248107602356	-11.0667825	322835.2305947084	4397888.33873636	3116.911765423724	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
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451	366	270551	-73941.14133	332927.3170250766	39.1249151519653	-11.0620387	323237.2140874517	4397880.217167894	3114.381446716247	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
452	366	270552	-73281.14133	332927.3170250766	39.12496812084876	-11.0597483	323438.205849876	4397876.1527037	3112.3179005493177	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
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454	366	270554	-71961.14133	332927.3170250766	39.125063342598	-11.0550065	323840.1764069164	4397868.037	3110.19710776643	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
455	366	270555	-71301.14133	332927.3170250766	39.1251125	-11.0527161	324041.178226278	4397863.978	3107.817808671887	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
456	366	270556	-70641.14133	332927.3170250766	39.12516510205349	-11.0503717	324242.1686276863	4397859.918249287	3104.132864901204	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
457	366	270557	-69981.14133	332927.3170250766	39.1252094896118	-11.0480273	324443.1985240567	4397855.959167538	3100.448541715923	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
458	366	270558	-69321.14133	332927.3170250766	39.1252572557951	-11.045628	324644.14921371	4397851.8001987	3096.74218520444	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
459	366	270559	-68661.14133	332927.3170250766	39.1253046017507	-11.0433385	324845.130397971	4397847.74704318	3092.919302890027	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
460	366	270560	-68001.14133	332927.3170250766	39.1253514947882	-11.0409941	325046.128	4397843.68324653	3087.71567591693	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
461	366	270561	-67341.14133	332927.3170250766	39.1254039348979	-11.0386497	325247.118362792	4397839.652178691	3082.91142369038	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
462	366	270562	-66681.14133	332927.3170250766	39.1254543922077	-11.0363053	325448.1077465894	4397835.567262744	3078.107170404015	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
463	366	270563	-66021.14133	332927.3170250766	39.1254984563268	-11.0339609	325649.0970134083	4397831.50989488	3076.894701194957	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
464	366	270564	-65361.14133	332927.3170250766	39.1255435746435	-11.0316165	325850.068027303	4397827.452145679	3074.207401701594	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
465	366	270565	-64701.14133	332927.3170250766	39.1255934149638	-11.0293727	326052.052730335	4397823.21827984	3072.418253924764	29.716.129830313284	2939.079599610648	2937.475365701208	38.0500830696037	38.65423821320765
466	366	270566	-64041.14133	332927.3170250766	39.1256323414958	-11.0269777	326253.073139223	4397819.032645287	3069.264524852924	29.716.129830313284	2939.079599610648	2937.4753657		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatThKgs.f	SatThBoth.f
549	566	270649	-9.261,141327	33.02397	31.0250766	39.71277108399266	-00.8323414	34293.55976986885	4397483.42361373	226.7260752028187	274.96158959095	2766.4144612934547	2766.4107487643853	18.550644315246245
550	566	270650	-9.601,141327	33.02397	31.0250766	39.7127711131128	-00.8299689	3431.34.5353595966	4397479.38625796	282.9252251795597	276.250953481095	2764.871199382954	2764.871199382954	17.397005569350403
551	566	270651	-7.941,141327	33.02397	31.0250766	39.7127712052507	-00.8276285	34355.51.51582775	4397475.349153598	278.91902455480286	2778.76458901561	2789.7048699971215	2789.7048699971215	19.836515306
552	566	270652	-7.281,141327	33.02397	31.0250766	39.7127720125507	-00.8253001	34336.4851247696	4397471.31224034	281.9306761222256	2776.859404296214	2765.226738926479	2765.226738926479	21.9371187205342
553	566	270653	-6.621,141327	33.02397	31.0250766	39.71277327868625	-00.8229367	34337.45904062687	4397467.27589586	281.857602758422	2774.1464004475483	2751.3811444794455	2751.3811444794455	22.76526601813273
554	566	270654	-5.961,141327	33.02397	31.0250766	39.71277371002517	-00.8206193	34338.34346350569	4397463.329166681	281.80517739619	2771.429041853869	2748.201767959873	2748.201767959873	23.63509500700436
555	566	270655	-5.301,141327	33.02397	31.0250766	39.71277400647090	-00.8182748	34340.394091199147	4397459.229077038	280.8047983284037	2768.7078811335596	2745.3942133899606	2744.7985798663703	23.31346774490226
556	566	270656	-4.641,141327	33.02397	31.0250766	39.7127744372163	-00.8159304	34343.384383751	4397455.167020383	282.8963968157675	2768.93484937473	2745.49575888323	2741.905653783811	24.07788153661897
557	566	270657	-3.981,141327	33.02397	31.0250766	39.71277473347905	-00.8135986	34454.31.5679973387	4397451.311296877	2798.300195986149	2783.258971776887	2778.1062138793929	2778.1062138793929	24.13265388505893
558	566	270658	-3.321,141327	33.02397	31.0250766	39.71277498044354	-00.8112416	34472.31.73760891	4397447.099	2789.710751353213	2780.538365	2778.3845413278236	2775.0547308983493	25.1539242205658
559	566	270659	-2.661,141327	33.02397	31.0250766	39.71277518931564	-00.8088972	34493.3056545404	4397443.00530001	2787.628967500211	2780.538365	2778.3845413278236	2775.0547308983493	25.1539242205658
560	566	270660	-2.001,141327	33.02397	31.0250766	39.71277549234936	-00.8065528	34514.24.734938588	4397439.052520328	2785.878617772126	2785.136995204776	2776.539396	2776.539396	26.004609224777
561	566	270661	-1.341,141327	33.02397	31.0250766	39.7127756337787	-00.8042083	34535.253031932	4397435.990734236	2785.878617772126	2785.136995204776	2776.539396	2776.539396	26.004609224777
562	566	270662	-0.681,141329	33.02397	31.0250766	39.71277575336885	-00.8018639	34546.2261565893	4397430.59176374	2785.126341172334	2780.0389565051267	2715.571259125433	2715.571259125433	34.6086137680346
563	566	270663	-2.113132693	33.02397	31.0250766	39.71277555746643	-00.7995195	34547.19963435933	4397426.921156119	2782.82963778862	2778.937825196846	2740.9499990156846	2740.9499990156846	37.99973506810321
564	566	270664	6.8859673073514	33.02397	31.0250766	39.71277573627055	-00.7971751	34549.13753627055	4397422.887759052	2778.8184572370373	2775.736885802086	2705.69200064148	2705.69200064148	40.44487975590506
565	566	270665	12.9858567303514	33.02397	31.0250766	39.7127756978128	-00.7948307	34618.1460213775	4397418.853001373	2774.70377195071	2773.696596729093	2703.481843478847	2703.481843478847	42.5252647983962
566	566	270666	19.58567303514	33.02397	31.0250766	39.712775759056	-00.7924862	34635.1189918942	4397414.820275869	2770.5982917522044	2771.642527747225	2703.31167077965	2703.31167077965	38.5615803226945
567	566	270667	26.1858567303514	33.02397	31.0250766	39.71277520092245	-00.7901418	34655.0916142126	4397410.78683434	2767.940552526416	2773.6128984960137	2704.248542891822	2704.248542891822	35.23781113607902
568	566	270668	32.7858567303514	33.02397	31.0250766	39.71277548955288	-00.7877974	34675.2041858347	4397406.73724005	2767.940552526416	2773.6128984960137	2704.248542891822	2704.248542891822	31.352025711838
569	566	270669	39.3858567303514	33.02397	31.0250766	39.7127757088993	-00.785453	34693.306150758	4397402.721	2765.305201032737	2773.6128984960137	2704.248542891822	2704.248542891822	27.81340436272783
570	566	270670	45.985856730351	33.02397	31.0250766	39.712775753534	-00.7831086	34714.0108940328	4397398.68104444	2764.307407259044	2773.6128984960137	2704.248542891822	2704.248542891822	25.57677894575154
571	566	270671	52.585856730351	33.02397	31.0250766	39.71277571932011	-00.7806761	34850.6190317678	4397374.758775862	2768.05936778692	2773.6128984960137	2704.248542891822	2704.248542891822	23.64871246476738
572	566	270672	59.185856730351	33.02397	31.0250766	39.71277373614051	-00.7784197	34755.9330100278	4397390.63141962	2775.926236314894	2729.710730252385	2716.30909214706	2716.30909214706	13.32650944775454
573	566	270673	65.785856730351	33.02397	31.0250766	39.712773730387	-00.7760753	34775.6924847793	4397386.99142748	2757.58793293378	2727.749635778926	2717.582781128068	2717.582781128068	10.6691765808908
574	566	270674	72.385856730351	33.02397	31.0250766	39.71277283173794	-00.7737309	34795.89653817	4397382.59961538	2756.2486281190326	2725.790454679324	2717.7484201031407	2717.7484201031407	8.07639772
575	566	270675	78.985856730351	33.02397	31.0250766	39.712773175032	-00.7713865	34815.88680823125	4397380.1582133327	2754.874971939625	2723.840459354036	2716.770392401867	2716.770392401867	7.05116168084844
576	566	270676	85.585856730351	33.02397	31.0250766	39.7127717490342	-00.7690421	34839.83948010916	4397374.49683014	2754.874971939625	2723.840459354036	2716.770392401867	2716.770392401867	6.752490154322245
577	566	270677	92.185856730351	33.02397	31.0250766	39.71277171932011	-00.7666978	34850.6190317678	4397374.758775862	2768.05936778692	2773.6128984960137	2704.248542891822	2704.248542891822	5.44023382785292
578	566	270678	98.785856730351	33.02397	31.0250766	39.71277170433193	-00.7643529	34865.143405691	4397364.45406591	2768.05936778692	2773.6128984960137	2704.248542891822	2704.248542891822	4.540418687112285
579	566	270679	105.385856730351	33.02397	31.0250766	39.7127716937312255	-00.7620808	34886.75279749196	4397362.405402582	2762.64041225565	2771.612290362941	2712.368213	2712.368213	3.7658190444217325
580	566	270680	111.985856730351	33.02397	31.0250766	39.71276904	-00.7596644	34913.671319675	4397373.3986925	2761.041852404151	2771.612290362941	2712.368213	2712.368213	2.84920716115649
581	566	270681	118.585856730351	33.02397	31.0250766	39.71276824047744	-00.75732	34936.694281303	4397354.348565135	2771.612290362941	2771.612290362941	2712.368213	2712.368213	2.049460922477
582	566	270682	125.185856730351	33.02397	31.0250766	39.71276740957038	-00.754975	34965.6648051854	4397331.31395039	2775.87394772305	2770.626395367303	2712.95313767758	2712.95313767758	1.21548181004125
583	566	270683	131.785856730351	33.02397	31.0250766	39.71276652779961	-00.7526311	34976.63518433455	4397346.284	2776.709973397674	2770.626395367303	2712.95313767758	2712.95313767758	0.46023382785292
584	566	270684	138.385856730351	33.02397	31.0250766	39.71276570073543	-00.7502871	34989.6014781919	4397342.245	2783.057350465202	2771.0708940792023	2712.95313767758	2712.95313767758	0.0
585	566	270685	144.985856730351	33.02397	31.0250766	39.71276462837796	-00.7479423	34983.255687556	4397325.25664141	2786.40747851783	2770.38921281559	2711.019647289605	2711.019647289605	0.0
586	566	270686	151.585856730351	33.02397	31.0250766	39.71276361072687	-00.7455979	35039.545454367	4397334.196698318	2789.752101003237	2770.3189671075	2709.68222318658	2709.68222318658	0.0
587	566	270687	158.185856730351	33.02397	31.0250766	39.71276255	-00.7432534	35057.0515256387	4397330.17695392	2791.740332	2702.153701890538	2708.07301416161	2708.07301416161	0.0
588	566	270688	164.785856730351	33.02397	31.0250766	39.71276143954417	-00.740909	35077.148501366854	4397326.139434355	2792.3664543630213	2709.68222318658	2708.07301416161	2708.07301416161	0.0
589	566	270689	171.385856730351	33.02397	31.0250766	39.712760261298	-00.7385646	35097.2455277996	4397322.11196174	2799.169658647802	2709.68222318658	2708.07301416161	2708.07301416161	0.0
590	566	270690	177.985856730351	33.02397	31.0250766	39.71275906718838	-00.7362022	35117.4233986332	4397318.0831618	2792.67569334323	2697.75148439012	2702.340671369016	2702.340671369016	0.0
591	566	270691	184.585856730351	33.02397	31.0250766	39.712757943704	-00.7338414	35139.6329079616	4397314.4718494961	2794.439827810552	2700.439827810552	2702.340671369016	2702.340671369016	0.0
592	566	270692	191.185856730351	33.02397	31.0250766	39.712756830956	-00.7315314	35157.3620970816	4397310.027791819	2795.923633759767	2705.162087352583	2700.439827810552	2700.439827810552	0.0
593	566	270693	197.785856730351	33.02397	31.0250766	39.71275582195433	-00.7291869	35176.331514355	4397306.004456059	2825.0265829027	2693.928236847706	2701.497025750617	2701.497025750617	0.0
594	566	270694	204.385856730351	33.02397	31.0250766	39.71275483895618	-00.7268425	35197.2999052553	4397301.97353127	2827.403183193658	2692.730387	2702.643021248315	2702.643021248315	0.0
595	566	270695	210.985856730351	33.02397	31.0250766	39.7127541366466	-00.7244891	35217.2868664036	4397297.946480314	2834.969547083	2691.5611259056227	2703.3915902844274	2703.3915902844274	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatHLogKgr.f	SatHBoth.f
65	676	20775	73898.8586730335	1033297.3170250766	39.1249164018598	-100.5369453	368255.3180867982	4396976.550422815	2719.1730040742286	2627.9932054866774	2597.5796701944473	2597.011744049341	30.41388029230108	30.98150634733652
676	676	20776	74558.8586730335	1033297.3170250766	39.1248656147595	-100.5340089	368456.2769004444	4396972.542815096	2785.5619864292204	2628.259173180053	2599.5396354845004	2599.48459535302074	28.53027769554583	28.41335897797629
677	676	20777	75218.8586730335	1033297.3170250766	39.1248140816366	-100.5322565	368657.23366955125	4396968.534572464	2791.9500687456984	2628.5257919085456	2601.4336982222208	2601.6617328430484	27.9339189612482	26.86419477630177
678	676	20778	75778.8586730335	1033297.3170250766	39.1247662219226	-100.5290911	368858.19112132606	4396961.0589312904	2798.1265951293234	2628.78217797741	2601.583717256753	2601.2964180390457	27.70300739004805	27.400597097779927
679	676	20779	76538.8586730335	1033297.3170250766	39.12470992275314	-100.5275677	369059.1485889731	4396960.519650422	2801.588213	2629.02808661368	2600.0987093127007	2600.4336982222208	28.89430211153476	28.89430211153476
680	676	20780	77198.8586730335	1033297.3170250766	39.1246571706555	-100.5252233	369260.105589169704	4396955.512537495	2801.725734121104	2629.2752327156	2598.709200654297	2598.9363028936003	30.647166943355762	30.647166943355762
681	676	20781	77858.8586730335	1033297.3170250766	39.124630656298	-100.5228789	369461.063	4396952.506	2801.85234412361	2629.481035203905	2597.408356569397	2596.728902907875	32.7690188545081	32.7690188545081
682	676	20782	78518.8586730335	1033297.3170250766	39.12455030767565	-100.5205345	369662.0203200607	4396948.499	2801.98034874261	2629.703589645804	2598.7273947117	2594.95112327997847	33.9760513230865	34.72565704749569
683	676	20783	79178.8586730335	1033297.3170250766	39.1244619678376	-100.5189191	369867.23366955125	4396944.492989076	2809.620815469894	2629.9368027	2598.93630474578	2598.1004622685164	33.9769651721164	33.9769651721164
684	676	20784	79838.8586730335	1033297.3170250766	39.1244153293938	-100.5158547	370063.8338174908	4396940.48640192	2797.77329201733	2630.407767692807	2591.820225794117	2598.1004622685164	38.245562424447	38.245562424447
685	676	20785	80498.8586730335	1033297.3170250766	39.1243866	-100.5135013	370264.8904764094	4396934.05484321	2794.92586528738	2630.179248423695	2589.5004541447265	2589.4294167874807	40.74933164521417	40.74933164521417
686	676	20786	81158.8586730335	1033297.3170250766	39.1243311465807	-100.511569	370465.8470562257	4396932.474732657	2798.07704522525	2630.279236861524	2587.583122870475	2587.469637110683	42.68611381	42.8095957480478
687	676	20787	81818.8586730335	1033297.3170250766	39.1242722338976	-100.508125	370666.804902659	4396928.46923868	2798.6271511950819	2630.3447566347	2585.653649795464	2585.4852305	44.8621073027662	44.8621073027662
688	676	20788	82478.8586730335	1033297.3170250766	39.124218848473	-100.5064681	370867.75980103057	4396924.43887103	2784.573491405588	2630.370343309008	2583.936302334851	2583.471117072288	46.6793719905694	46.6793719905694
689	676	20789	83138.8586730335	1033297.3170250766	39.124162020194	-100.5041327	371068.71588973014	4396920.459862296	2784.573491405588	2630.370343309008	2583.936302334851	2583.471117072288	48.921527109613	48.921527109613
690	676	20790	83798.8586730335	1033297.3170250766	39.12411047389644	-100.501793	371269.6270535661	4396916.514169454	2776.468598351277	2630.28381127808	2580.197956410387	2579.29730143994	50.0595043867151	50.0595043867151
691	676	20791	84458.8586730335	1033297.3170250766	39.124047	-100.4994349	371470.876297545	4396912.449685074	2776.468598351277	2630.28381127808	2580.197956410387	2579.29730143994	51.6624867320416	51.6624867320416
692	676	20792	85118.8586730335	1033297.3170250766	39.123988171129	-100.4970905	371671.5838154755	4396908.45279644	2772.469019816589	2630.038969343865	2576.490480274257	2575.5712992403093	53.845297690476814	53.845297690476814
693	676	20793	85778.8586730335	1033297.3170250766	39.1239301769567	-100.4947461	371872.5356129619	4396904.441182651	2771.1549767059732	2629.842302610268	2573.766543091636	2573.175748163905	56.07575730104204	56.07575730104204
694	676	20794	86438.8586730335	1033297.3170250766	39.12387103871036	-100.4924017	372073.495084086	4396900.43715192	2769.84039735875	2629.5989521386048	2571.664934504769	2571.068430173353506	58.7262173310596	58.7262173310596
695	676	20795	87098.8586730335	1033297.3170250766	39.1238131	-100.4900573	372274.5504502035	4396904.43884542	2767.799654756138	2629.310605328975	2569.455141197294	2569.455141197294	60.77570906097603	60.77570906097603
696	676	20796	87738.8586730335	1033297.3170250766	39.123753153892765	-100.4877129	372475.4058740117	4396982.403283227	2765.0251401883167	2628.975757032744	2567.1471574807902	2567.1516220154244	61.8273935978254	61.8273935978254
697	676	20797	88498.8586730335	1033297.3170250766	39.123698670549	-100.4854815	372659.761045801	4396984.421713905	2762.631293195955	2628.975757032744	2565.043282248632	2565.043282248632	63.8443077691424	63.8443077691424
698	676	20798	89078.8586730335	1033297.3170250766	39.1236302	-100.4830241	372877.317333355	4396984.42	2758.477111052674	2628.203548690321	2564.186514184943	2563.132715139604	64.01703270545559	65.0562339
699	676	20799	89738.8586730335	1033297.3170250766	39.1235682456064	-100.4806797	373078.271142279	4396984.421470936	2757.6247637568	2627.76247637568	2561.958472590022	2561.958472590022	65.804208785654	66.1671235507714
700	676	20800	90398.8586730335	1033297.3170250766	39.123507139194	-100.4783353	373279.2258988204	4396984.421470936	2753.6166725719962	2627.0193667709	2560.258058	2559.7783071023805	67.03303562079934	67.03303562079934
701	676	20801	91058.8586730335	1033297.3170250766	39.1234447503519	-100.475991	373480.1807167465	4396984.421470936	2750.65655177982	2626.709768919635	2558.5595071986113	2558.5595071986113	68.31219969332281	68.31219969332281
702	676	20802	91718.8586730335	1033297.3170250766	39.1233830335876	-100.4736466	373681.1353	4396988.41745533	2747.634303699976	2626.264995636954	2556.831254320832	2556.831254320832	69.76271642	69.76271642
703	676	20803	92378.8586730335	1033297.3170250766	39.1233189443884	-100.4713022	373882.088698985	4396984.421470936	2745.182936895943	2625.715516703760	2555.043282248632	2554.77188387	70.8443077691424	70.8443077691424
704	676	20804	93038.8586730335	1033297.3170250766	39.1232552420951	-100.4690574	374083.1671808154	4396980.474112192	2743.63454963407	2625.043282248632	2553.043282248632	2553.043282248632	71.9322128855147	71.9322128855147
705	676	20805	93698.8586730335	1033297.3170250766	39.1231912	-100.4666134	374283.9842269765	4396985.41016771	2741.244829056836	2623.55322821883	2551.4532263732	2550.967481471255	73.5856078007565	73.5856078007565
706	676	20806	94358.8586730335	1033297.3170250766	39.123126386296	-100.464269	374488.954974964	4396982.49024171	2739.28612505933	2623.945817655607	2549.716502462049	2549.257169112414	74.2290973035176	74.2290973035176
707	676	20807	95018.8586730335	1033297.3170250766	39.1230651575086	-100.4619246	374685.906557439	4396984.408173383	2737.606759552846	2623.349182194277	2548.1877992386076	2547.73458559748	75.13720898	75.13720898
708	676	20808	95678.8586730335	1033297.3170250766	39.12299657	-100.4599802	374886.8604597253	4396984.407554396	2731.598103971255	2622.46026084343	2547.0759911996765	2546.465601029965	76.2265984537784	76.2265984537784
709	676	20809	96338.8586730335	1033297.3170250766	39.1229303354924	-100.4572598	375087.814255765	4396984.40716207	2727.125712781405	2622.56630872907	2546.78075967724	2546.0188844002754	77.623207412015	77.623207412015
710	676	20810	969978.8586730335	1033297.3170250766	39.12286396406	-100.4548915	375289.7671917197	4396984.40716207	2722.653129195955	2621.41438254138	2545.07102028184	2545.3238589639	78.705732615393	78.705732615393
711	676	20811	97658.8586730335	1033297.3170250766	39.1227972	-100.4525471	375489.72138907457	4396982.407088168	2718.0711607113327	2620.763341216015	2546.138904029056	2545.54073070944	79.6236837300391	79.6236837300391
712	676	20812	98318.8586730335	1033297.3170250766	39.12272958030126	-100.4502027	375690.674125773	4396982.407396304	2713.371973408348	2620.115940198864	2546.71981229335	2546.265572991408	80.336389952908	80.336389952908
713	676	20813	98978.8586730335	1033297.3170250766	39.122662593616	-100.4478583	375891.6281	4396982.417056195	2708.14639919873	2619.4369919873	2547.966575487542	2547.6851601122831	81.47971143317346	81.47971143317346
714	676	20814	99638.8586730335	1033297.3170250766	39.12259410776774	-100.4455139	376092.581286456	4396984.408707334	2703.995440823785	2618.052154692348	2549.892401500818	2549.9529130730234	82.690853684163	82.690853684163
715	676	20815	100298.8586730335	1033297.3170250766	39.122555032495	-100.4431695	376293.534666723	4396984.407554396	2700.58266419717873	2618.0561819717873	2552.65134957632147	2552.65134957632147	83.8456166857257	83.8456166857257
716	676	20816	100958.8586730335	1033297.3170250766	39.1224564	-100.4408251	376484.487386275	4396982.410543305	2698.446595252124	2616.728073667794	2548.76994986455	2548.934753617317	84.615862302446	84.615862302446
717	676	20817	101618.8586730335	1033297.3170250766	39.1223869393	-100.4384938	376689.3292198106	4396982.410543305	2695.84121141159	2615.84121141159	2548.76994986455	2548.934753617317	85.73829277154	85.73829277154
718	676	20818	10228.8586730335	1033297.3170250766	39.12231697711664	-100.4361354	376896.392298106							

id	lc	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt	BRElevLogsk.ft	BRElevBath.ft	SLatHtLog.ft	SLatHtBath.ft		
62	367	27902	-333141.143	10.393957	3170250766	79.0888905443074	10.976385	494.8937692492475	339682.97959101	357.157237565626	3436.711504360604	3428.392152274985	3427.983037648894	8.53232054619455	8.78846672701043
63	367	27902	-330681.143	10.393957	3170250766	79.0890362028704	10.974014	245000.77134770002	339678.82721377	357.35120124057403	3434.513966575384	3428.290517387495	3428.113058830748	6.2324489180412755	6.40091063495991
64	367	27902	-330021.143	10.393957	3170250766	79.0892689847405	10.9716973	245821.64867790906	339678.675065229	357.6758468629887	3434.516746798312	3428.438093707151	3428.670329026818	3.3817200912621	3.581460813
65	367	27904	-329361.143	10.393957	3170250766	79.089489411217	10.963032	2544.0214772561127	339670.52	356.2786727429598	3429.981592549677	3428.4448773364154	3428.7089213652	1.3367119185522824	1.260697983356045
66	367	27905	-328701.143	10.393957	3170250766	79.089714831172	10.967001	254562.0055214846	339666.37714857	356.2786727429598	3429.981592549677	3428.4448773364154	3428.7089213652	0	0
67	367	27906	-327961.143	10.393957	3170250766	79.0900461552225	10.963032	2545.0214772561127	339670.52	356.2786727429598	3429.981592549677	3428.4448773364154	3428.7089213652	0	0
68	367	27907	-327381.143	10.393957	3170250766	79.0901651552225	10.963032	2545.0214772561127	339670.52	356.2786727429598	3429.981592549677	3428.4448773364154	3428.7089213652	0	0
69	367	27908	-326721.143	10.393957	3170250766	79.090386934048	10.959976	254627.20470270593	339659.91784447	356.2845265373454	3428.906666931	3428.493830672337	0	0	0
70	367	27909	-326061.143	10.393957	3170250766	79.0906136520286	10.9576326	254648.2791935033	339649.67	356.29886600321	3418.489241347107	3427.520117434214	3427.50427839303	0	0
71	367	27910	-325401.143	10.393957	3170250766	79.0908371	10.955285	254649.307342229	339646.61667294	3484.30213036294	3416.8712284297	3424.36517549434	3424.764294102374	0	0
72	367	27911	-324741.143	10.393957	3170250766	79.091068181539	10.952444	254650.4220044238	339641.46624264	3413.896223009982	3420.400839635278	3420.400839635278	3420.400839635278	0	0
73	367	27912	-324021.143	10.393957	3170250766	79.091298421251	10.949251	254651.4220044238	339636.16634815	3413.896223009982	3420.400839635278	3420.400839635278	3420.400839635278	0	0
74	367	27913	-323241.143	10.393957	3170250766	79.091504948463	10.9458261	254652.555977404	339631.78024914	3413.896223009982	3420.400839635278	3420.400839635278	3420.400839635278	0	0
75	367	27914	-322761.143	10.393957	3170250766	79.091726663938	10.945912	254653.634349109	339629.01703934	3418.25024407922	3407.273502342778	3407.273502342778	3407.273502342778	0	0
76	367	27915	-322101.143	10.393957	3170250766	79.0919427448024	10.9435679	254654.7047438883	339624.867792467	3418.25024407922	3407.273502342778	3407.273502342778	3407.273502342778	0	0
77	367	27916	-321441.143	10.393957	3170250766	79.092168733194	10.9412237	254655.7748252096	339620.17822427	3417.797297	34				
78	367	27917	-320781.143	10.393957	3170250766	79.092398421251	10.938796	254656.84867790906	339615.46624264	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
79	367	27918	-320101.143	10.393957	3170250766	79.0926284	10.934913	254657.92349109	339610.273502342778	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
80	367	27919	-319461.143	10.393957	3170250766	79.0928684	10.9314913	254659.04867790906	339605.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
81	367	27920	-318801.143	10.393957	3170250766	79.0930473495258	10.9318472	254660.052549109	339600.12484399	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
82	367	27921	-318141.143	10.393957	3170250766	79.093265984038	10.9295031	254661.12246632	339595.97658789	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
83	367	27922	-317481.143	10.393957	3170250766	79.0934840758084	10.9271589	254662.198428109	339590.82934272	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
84	367	27923	-316821.143	10.393957	3170250766	79.0937017144777	10.9248148	254663.2694431177	339585.68462642	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
85	367	27924	-316161.143	10.393957	3170250766	79.093918421251	10.922515	254664.34067790906	339580.4399574	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
86	367	27925	-315501.143	10.393957	3170250766	79.0941353537993	10.9202185	254665.390045058	339575.18792439	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
87	367	27926	-314841.143	10.393957	3170250766	79.0943519137993	10.9177824	254666.4651557928	339570.241131757	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
88	367	27927	-314181.143	10.393957	3170250766	79.0945671421485	10.9154382	254667.528862845	339565.09467638	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
89	367	27928	-313521.143	10.393957	3170250766	79.0947831758394	10.9130941	254668.5993158224	339560.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
90	367	27929	-312861.143	10.393957	3170250766	79.0949903750924	10.9107499	254669.6647480874	339554.966874	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
91	367	27930	-312201.143	10.393957	3170250766	79.095207421251	10.908451	254670.730045058	339549.88467790906	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
92	367	27931	-311541.143	10.393957	3170250766	79.095425224056	10.9060616	254671.7956410324	339544.8005877	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
93	367	27932	-310881.143	10.393957	3170250766	79.0956400855768	10.9037175	254672.86017190683	339539.72370028	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
94	367	27933	-310221.143	10.393957	3170250766	79.09586319591824	10.9013733	254673.9257955062	339534.6395334	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
95	367	27934	-309561.143	10.393957	3170250766	79.0960851933399	10.8990291	254675.000313463	339529.567012638	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
96	367	27935	-308901.143	10.393957	3170250766	79.096279053221	10.896865	254676.07584762902	339524.489315786	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
97	367	27936	-308241.143	10.393957	3170250766	79.09647189303	10.894677	254677.15093732517	339519.41330935	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
98	367	27937	-307581.143	10.393957	3170250766	79.096671087469	10.8919967	254678.2260487928	339514.33631611	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
99	367	27938	-306921.143	10.393957	3170250766	79.0968915948284	10.8896525	254679.3012535734	339509.2599334	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
100	367	27939	-306261.143	10.393957	3170250766	79.097122348902	10.8873084	254680.3765570267	339504.1850224	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
101	367	27940	-305601.143	10.393957	3170250766	79.0973322884304	10.884962	254681.45175948	339500.0921588	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
102	367	27941	-304941.143	10.393957	3170250766	79.0975417598544	10.88262	254682.5268473102	339495.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
103	367	27942	-304281.143	10.393957	3170250766	79.0977513758394	10.88027	254683.60193732517	339490.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
104	367	27943	-303621.143	10.393957	3170250766	79.097959304263	10.8779317	254684.6770487928	339485.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
105	367	27944	-302961.143	10.393957	3170250766	79.0981675214328	10.875575	254685.752265812	339480.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
106	367	27945	-302301.143	10.393957	3170250766	79.0983875919489	10.8732434	254686.8273686	339475.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
107	367	27946	-301641.143	10.393957	3170250766	79.09860824	10.870928	254687.902471037	339470.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
108	367	27947	-300981.143	10.393957	3170250766	79.09882918121884	10.868655	254688.9775847928	339465.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
109	367	27948	-300321.143	10.393957	3170250766	79.099048733194	10.866376	254690.052549109	339460.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
110	367	27949	-299661.143	10.393957	3170250766	79.09926813743074	10.864093	254691.12765812	339455.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
111	367	27950	-299001.143	10.393957	3170250766	79.0994906785133	10.8618225	254692.20270593	339450.01703934	3416.8712284297	3416.8712284297	3416.8712284297	3416.8712284297	0	0
112	367	27951	-298341.143	10.											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRfElevLogs.f	BRfElevLogs.f	SatThkLogs.f	SatThkBoth.f	
187	367	271027	-248181.1413	10.339567	3170250766	39.71138635	-101.6810717	270713.04720492446	4399161.645529024	3486.020980113227	330.385334068439	3228.8951095972848	3230.506024663884	101.4902244711543	99.8793094045499
188	367	271028	-247521.1413	10.339567	3170250766	39.711403320611	-101.6786729	270734.09061183796	43991527373445	3484.219275374419	3329.209176343638	3327.272439913006	3228.0446111913234	101.93673634599732	101.16465615505979
189	367	271029	-246961.1413	10.339567	3170250766	39.7114203305374	-101.6763626	270675.13372921676	43991430044229	3482.4175697585104	3329.027811121699	3321.6145678985686	3230.34077652370082	101.4370424700032	101.6870237947986
190	367	271030	-246201.1413	10.339567	3170250766	39.711437244752685	-101.6739843	270716.176744054	43991492733145	3481.015964090528	3328.843456777994	3323.747601493266	3230.56425525498185	101.105996266753	102.2792012807564
191	367	271031	-245541.1413	10.339567	3170250766	39.7114541768354	-101.67164	270977.217947656944	439914515649798	3480.338262632177	3325.667127286296	3321.824919322103	3222.40780507712	103.83280246016648	103.18687080512746
192	367	271032	-244881.1413	10.339567	3170250766	39.71147094532568	-101.6692958	271178.262	439914103894578	3481.58425345355	3324.671795345315	3219.955407	3220.4406872641286	104.31172170991865	104.03121770991865
193	367	271033	-244221.1413	10.339567	3170250766	39.71148772767928	-101.6669515	271379.30425844714	4399139183036078	3482.8313680574925	3323.2865852553284	3218.2808969915604	3218.364875082822	105.00565126376796	104.94287317264616
194	367	271034	-243561.1413	10.339567	3170250766	39.71150446474429	-101.6646072	271580.345	439913279240308	3483.0719707696303	3323.10616702949	3321.410503608353	3216.3249707923	106.69211304211376	106.9573637620265
195	367	271035	-242901.1413	10.339567	3170250766	39.711521156520678	-101.6624626	271785.38813868394	4399127618511802	3482.50269790717	3323.0264668134547	3320.3264668134547	3217.119826985957	108.2449789854547	108.589867323118572
196	367	271036	-242241.1413	10.339567	3170250766	39.7115378300844	-101.6599186	271982.42934743753	439912455068515	3482.17353513962	3319.740427713363	3321.8303405479226	3212.293275917518	109.91010233417	107.4465150737346
197	367	271037	-241581.1413	10.339567	3170250766	39.711554404207526	-101.6575784	272183.4711256457	4399120430438117	3513.821770422873	3318.5628023636214	3321.0625325471233	3210.455681376806	108.51020861465808	108.1032098701272
198	367	271038	-240921.1413	10.339567	3170250766	39.71157096017386	-101.6552201	272384.5122737376	4399116130255696	3525.4704082249236	3317.3877434006267	3320.2449623171775	3208.94625864193	108.14275108344918	109.0805801420745
199	367	271039	-240261.1413	10.339567	3170250766	39.71158470773946	-101.6528588	272585.5520871037	439911219	3525.2499532749234	3316.2510565052074	3320.591313238157	3205.2854510557523	108.162471522827172	109.07336959456005
200	367	271040	-239601.1413	10.339567	3170250766	39.7116033907321	-101.6505415	272786.59391497134	439910807059971	3534.1616128317387	3315.0464441522963	3320.2572930518022	3320.611622257913	108.78915110040047	109.12282189438437
201	367	271041	-238941.1413	10.339567	3170250766	39.711620356116335	-101.6481972	272967.6345981734	439910351126051	3536.07327373679	3313.8816257296204	3320.391633886164	3320.0915946256728	113.23994371319261	113.23994371319261
202	367	271042	-238281.1413	10.339567	3170250766	39.7116367308795	-101.6458529	273186.7457578565	439909931886633	3537.9848319457944	3312.715081557893	3320.058253573212	3319.766946176818	107.6322156200581	107.64064638760834
203	367	271043	-237621.1413	10.339567	3170250766	39.7116530630595	-101.6435087	273389.7147945345	4399095121885508	3538.200582695127	3311.5512012510944	3320.948691357229	3319.934545200369	108.5820983985654	117.6034703072536
204	367	271044	-236961.1413	10.339567	3170250766	39.71166934452334	-101.6411644	273590.7546078056	4399091594120616	3527.7440691191596	3312.38231450015	3320.843199465469	3319.4927495243065	105.5031981463617	117.8844925079686
205	367	271045	-236301.1413	10.339567	3170250766	39.711685583411	-101.6388201	273791.79419842106	439908747591594	3520.279607323984	3309.2121006	3320.5680870428233	3319.66809723156883	104.6429190046662	112.4201288346159
206	367	271046	-235641.1413	10.339567	3170250766	39.7117017711128	-101.6364758	273992.8336645909	439908327595909	3512.81515464567	3308.07455973405	3320.4217301453638	3320.843322779617	104.6429190046662	104.19413310738782
207	367	271047	-234981.1413	10.339567	3170250766	39.7117179253781	-101.6341315	274193.8719233067	439907972939	3510.2624577379206	3306.86187734497	3320.603493196383	3318.961633339196	105.2534254433876	117.1999440087749
208	367	271048	-234321.1413	10.339567	3170250766	39.71173420343322	-101.6317672	274394.9116353095	439907512142352	3512.6271436504483	3305.86414362128	3320.69537540066	3318.4156989172008	105.9246592515217	119.2684454489719
209	367	271049	-233661.1413	10.339567	3170250766	39.71175067159865	-101.6294377	274596.023447861	439907130624169	3512.962697863774	3304.69013256453	3320.7119826985957	3318.71498729495	104.793765705373	119.2684454489719
210	367	271050	-233001.1413	10.339567	3170250766	39.7117660851896	-101.627098	274796.98816157	439906678491787	3517.3397150190505	3303.81864234819	3320.681855659325	3319.58216797491	102.6367775822705	111.75042645070156
211	367	271051	-232341.1413	10.339567	3170250766	39.7117820657313	-101.6247453	274988.0270405253	439906276938037	3519.00389891373	3302.313404919065	3319.305288882514	3319.7924541436805	102.8201605306538	106.95666507595
212	367	271052	-231681.1413	10.339567	3170250766	39.71179785738176	-101.62241	275199.0501106271	439905865250048	3519.962653016872	3301.6416963504504	3319.05831863038	3319.23860272372613	102.8833772461546	105.556691774304
213	367	271053	-231021.1413	10.339567	3170250766	39.711813861401	-101.6200657	275400.1265109271	4399054536	3520.9249149220583	3309.7499748220583	3319.76825109949	3319.6451696828417	108.26917728294368	108.1074273924362
214	367	271054	-230361.1413	10.339567	3170250766	39.7118299540051	-101.6177214	275601.14052034344	439905041962974	3521.8871790939406	3308.566744927614	3318.482529433394	3318.96908692519527	103.71871900040527	108.9485224071793
215	367	271055	-229701.1413	10.339567	3170250766	39.7118458159865	-101.6153771	275802.1778933867	439904640329619	3522.9673646118115	3308.214532328474	3318.5071532328474	3318.5071532328474	103.14738762961436	108.9485224071793
216	367	271056	-229041.1413	10.339567	3170250766	39.7118612130678	-101.6130328	276013.504069726	439904217635056	3524.250491927734	3307.169349305755	3318.10106953075	3318.10106953075	103.0562426604283	109.9145111099247
217	367	271057	-228381.1413	10.339567	3170250766	39.71187691752497	-101.6106885	276204.2519763486	43990380372	3525.50527410355	3304.97884908639	3319.819774750437	3318.78870566042613	105.1500743113552	106.2702860167538
218	367	271058	-227721.1413	10.339567	3170250766	39.7118925765446	-101.6083422	276405.2886921484	439903359621258	3526.7600670174487	3303.7919743169787	3319.697484179691	3318.747247611096	103.09908013728773	106.371071556991
219	367	271059	-227061.1413	10.339567	3170250766	39.7119081724545	-101.6059999	276606.3251847147	439902948009038	3525.157378135991	3329.609516602024	3318.440525805196	3318.68538714373476	103.16899079683026	105.923022855054
220	367	271060	-226401.1413	10.339567	3170250766	39.711923732045236	-101.6036556	276807.3614575733	439902572600411	3520.69213	33291432179551093	3318.300157871719	3318.52571671843916	103.1216008339302	105.923022855054
221	367	271061	-225741.1413	10.339567	3170250766	39.7119394360614	-101.6013131	277008.397106283	439902011524582	3520.67327048	33290260721708185	3318.271816355846	3318.47331038548	102.9652581423388	105.923022855054
222	367	271062	-225081.1413	10.339567	3170250766	39.7119551273045	-101.598976	277209.433447846	43990162983991	3520.9021548210525	3328.91321356453	3318.1317365463	3318.1317365463	102.93415454589	105.923022855054
223	367	271063	-224421.1413	10.339567	3170250766	39.7119710389666	-101.5966227	277410.4689592383	439901338242247	3520.78747182237	3327.92842255665144	3317.9077072282	3318.206142468613	102.8995152338414	104.40980928079636
224	367	271064	-223761.1413	10.339567	3170250766	39.7119857135476	-101.5942784	277611.50435554597	439900928420458	3520.7688162979134	3326.77112499219	3318.43438601	3318.629107669306	102.825236009091	103.8790137290854
225	367	271065	-223101.1413	10.339567	3170250766	39.71200260545674	-101.5919341	277812.5365275696	439900515461744	3520.75016077308	3325.621068334603	3318.268924512732	3318.268924512732	102.75202327828	104.8571757990874
226	367	271066	-222441.1413	10.339567	3170250766	39.71201613827045	-101.5895898	278013.574914607	439900104105097	3520.3415052468622	3324.4784400421286	3318.394511058534	3317.6848208549338	103.083298629518	105.7942314329551
227	367	271067	-221781.1413	10.339567	3170250766	39.71203138079453	-101.5872455	278214.6092	439899632711508	3520.304780252537	3323.48300486686	3318.961506339383	3317.92831723283095	103.4819237286031	106.3022483087708
228	367	271068	-221121.1413	10.339567	3170250766	39.71204657828954	-101.5849011	278415.637541975	43989854161398	3520.3418067604374	3322.61605299584	3318.271816355846	3318.271816355846	103.852648626055	113.14558287448354
229	367	271069	-220461.1413	10.339567	3170250766	39.712061786756	-101.582549	278616.670437846	439897819209415	3520.3418067604374	3322.616052				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatBothKrg.ft	SatBothHt.
313	367	21153	-165021.1413	31339567.310250766	367.31737281	-11.3856313	259052.8031	338844.063265242	3272.3578389164504	3154.8367816465347	3058.376414931397	3058.628014198823	364403667.151375	96.2087677471158
314	367	21154	-164361.1413	3133957.310250766	367.3173164066406	-11.3832639	2961703.819638474	338636.390432642	3268.600815100433	3153.744472444806	3056.393196868763	3056.7049685451257	364.7124827561032	96.4694766936933
315	367	21155	-163701.1413	3133958.310250766	367.3173196357684	-11.3804295	296904.8389671543	338635.8778453121	3262.404206831797	3151.50862649338	3054.64537817897	3055.8181153369	364.64537817897	96.4271517067031
316	367	21156	-163041.1413	3133959.310250766	367.31732567721796	-11.3785981	2965703.8511502336	338631.785497487	3254.37136677397	3149.84137657732	3053.372086598426	3053.79610839836	364.6680938517968	96.4045033537963
317	367	21157	-162381.1413	3133960.310250766	367.317321743567036	-11.3762537	296306.868053607	338627.69336931	3244.788793116607	3148.704634040175	3052.9055510185262	3053.288522910664	364.9247123855127	96.4819044074318
318	367	21158	-161721.1413	3133961.310250766	367.31732288642418	-11.3739093	296507.8837965775	338623.601448461	3235.58374051133	3146.48462853395	3053.561785348253	3053.353227106093	364.9269115051481	93.1412996304703
319	367	21159	-161061.1413	3133962.310250766	367.317323994038936	-11.3715649	296708.8993233968	338619.508935126	3220.2387193147206	3144.8141476	3055.3253252881696	3055.741867748076	364.8915031857041	89.697077566385
320	367	21160	-160401.1413	3133963.310250766	367.317325097062575	-11.3692205	296909.9146730267	338615.14842923	3227.5683113392206	3143.130765726536	3057.9387075249515	3057.666126381408	364.912062015849	85.4643639389332
321	367	21161	-159741.1413	3133964.310250766	367.31732616604737	-11.3668762	297110.8286147529	338611.327	3224.8879633837387	3141.446429816434	3061.7306286253423	3061.969868579347	364.9268876089176	82.0468698494933
322	367	21162	-159081.1413	3133965.310250766	367.31732728695225	-11.3645318	297311.94475777525	338607.23629468	3222.87546388249	3138.07579860933492	3065.677094338907	3065.677094338907	364.926876552322	74.0841910102379
323	367	21163	-158421.1413	3133966.310250766	367.317328379053016	-11.3621874	297512.95562031457	338603.14569024	3220.820779053414	3138.071129235265	3067.96471	3071.111419302347	364.1064193174844	66.5597039291803
324	367	21164	-157761.1413	3133967.310250766	367.317329463385176	-11.359843	297713.970485661	338599.051172355	3218.6237543593165	3136.387291521235	3074.238098252421	3074.4579552359532	364.937089970256	61.9277739167028
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326	367	21166	-156441.1413	3133969.310250766	367.317331620569054	-11.3551452	298116.002543705	338590.874779159	3262.265704971697	3133.026563770431	3079.47189215209	3079.47189215209	364.93602184	53.5546716182207
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328	367	21168	-155121.1413	313397.310250766	367.3173337584134311	-11.3504564	298518.0302548405	338582.695578174	3268.81268615376	3129.689567248466	3087.310300469576	3087.48376728581	364.92380211527294	42.2148743300635
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331	367	21171	-153141.1413	313397.310250766	367.317336932	-11.3434322	299121.0704375801	338570.428	3272.584549212357	3124.80354562194	3098.96100506844	3100.2197157897247	364.9284603549937	24.586386772469337
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353	367	21193	-138621.1413	313397.310250766	367.317358956754748	-11.2918563	303543.301	338480.533717244	3278.383506	3094.8717386460733	3022.590228641297	3021.58485287847	364.9105223357506	75.74298811818865
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357	367	21197	-135981.1413	313397.3102										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogskg.ft	BREIEvBothkg.ft	SatThgLogskg.ft	SatThgBoth.ft
437	367	21279	-81861.14133		10.339573170250766	367.1424020703939	-01.0902338	20829.378251870	438130.218054422	1158.19262222616	296.12003490357	2926.3895320763395	53.089268409364	42.74014298992115
440	367	21280	-82101.14133		10.339573170250766	367.1424580234509	-01.0578893	32100.37119646873	438126.158411779	1157.31716194134	294.4835355787356	2914.481061414941	54.4637049317814955	39.07966016400496
441	367	21281	-80841.14133		10.339573170250766	367.1425136325654	-01.0685307	32121.3633690406	438122.931818174	1158.48097396947	296.738944041821	2913.400273825746	53.3380169342766	37.18838915203575
442	367	21282	-79891.14133		10.339573170250766	367.1425680774566	-01.0832004	32142.356563378	438118.029047485	1155.63430373171	296.8105670749208	2917.737534	55.77314000748023	38.9130327277005
443	367	21283	-78221.14133		10.339573170250766	367.14262316486534	-01.080856	32163.34886125	438113.966516848	1155.1252135908634	296.8258642180523	2912.2086208716782	56.04003346384064	41.5193869518183
444	367	21284	-78561.14133		10.339573170250766	367.142677306284	-01.0785115	32183.3413253276	438109.904	1146.125207261896	296.795442207691	2911.866338	56.09403120781412	44.97370463
445	367	21285	-77901.14133		10.339573170250766	367.14273309944364	-01.076167	32205.33331118507	438105.842158478	1146.0625781661963	296.762317128277	2911.637891792847	56.094074323813	55.9884194
446	367	21286	-77241.14133		10.339573170250766	367.1427843030632	-01.0738226	32226.3252139186	438101.7803370	1145.0123454997203	296.7250231454867	2911.432672378145	56.119228307672453	49.02148244924141
447	367	21287	-76581.14133		10.339573170250766	367.14283370125429	-01.0714781	32247.31684372935	438097.781273075	1144.2697013355698	296.6824047478194	2911.078993322648	56.16155585572482	54.4772199740792
448	367	21288	-75921.14133		10.339573170250766	367.14288340292324	-01.0691337	32268.308500229	438093.65719137	1143.166962337157	296.63631318709	2910.655776	56.152208364594	51.5777374
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453	367	21293	-72621.14133		10.339573170250766	367.1431441956762	-01.0567414	32363.26370277454	438073.214294133	1140.98394325086	296.620088427631	2908.0288230256824	56.1492348539854	54.4772199740792
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456	367	21296	-70641.14133		10.339573170250766	367.1432917	-01.050378	32426.2347645449	438061.74379325	1140.87110191642	296.59509787	2905.31832993166	56.048732369	56.27127802651767
457	367	21297	-69981.14133		10.339573170250766	367.14332965208	-01.0480335	32447.2477647313	438057.116	1140.193197	296.601714409122	2903.8252634457003	56.0922506342172	56.1929381979706
458	367	21298	-69321.14133		10.339573170250766	367.14338773574566	-01.0456891	32468.21467174537	438053.05667091	1140.785893598415	296.6023569273367	2902.535627607876	57.588202710624204	56.1523950505096
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466	367	21306	-64041.14133		10.339573170250766	367.14373392096065	-01.0269334	32626.12730298923	438020.59296305	1139.04123058058	296.54298846379654	2890.9143275181937	56.090161208444954	63.34551683971719
467	367	21307	-63381.14133		10.339573170250766	367.1437875446211	-01.0246882	32646.1158	438016.81922713	1138.80418102773	296.5329895778367	2890.217747470893	56.074760814408	63.435729048957796
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469	367	21309	-62061.14133		10.339573170250766	367.143883631164	-01.01919	32685.99167736955	438008.423273653	1138.3601628	296.5146599788028	2888.637073008155	2888.5597003012196	62.9229057946967
470	367	21310	-61401.14133		10.339573170250766	367.143926	-01.0175555	32706.0796789126	438004.36730359	1138.1502478479186	2887.80413813754	2887.7678264685277	62.5506575368514	62.5912672009121
471	367	21311	-60741.14133		10.339573170250766	367.1439679084374	-01.0152111	32725.067181113	438000.310757514	1137.958203598585	2949.118755028392	2886.937826800268	2886.96197	62.18092702156355
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473	367	21313	-59421.14133		10.339573170250766	367.14405037480205	-01.0105221	32763.01518954965	437992.195913587	1137.546736963537	2884.12054744591	2885.104413484469	61.0508501102208	61.0604788682661
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475	367	21315	-58101.14133		10.339573170250766	367.144131027998	-01.0058323	32805.0161088614	437984.0826107	1137.0538168402	2882.273186743716	2882.77929103088	60.58779178396211	61.112090873341
476	367	21316	-57441.14133		10.339573170250766	367.1441706517154	-01.0034887	32826.0029	437980.30433098	1136.74573742914	2880.403712647225	2882.6886145463714	60.57350981008512	57.814915895185
477	367	21317	-56781.14133		10.339573170250766	367.14420968640965	-01.0011443	32846.8895515955	437975.97834707	1136.5756824916	2877.6997722080851	2881.5905381648367	60.510923412504875	56.46951348536977
478	367	21318	-56121.14133		10.339573170250766	367.14424861070476	-0.9987998	32867.97602306237	437971.92550001	1136.3595790938	2935.228421644682	2880.5029435444153	58.08023163894457	54.7254781026663
479	367	21319	-55461.14133		10.339573170250766	367.1442889905745	-0.9964553	32888.9623282023	437967.871394175	1136.1309916	2872.68995740035	2878.229707403055	58.0425054458774	53.64383683
480	367	21320	-54801.14133		10.339573170250766	367.14434237446706	-0.9941109	32909.9484667228	437963.817533791	1135.947639963537	2901.121008470138	2878.263482148963	57.928262327937	51.1965186904527
481	367	21321	-54141.14133		10.339573170250766	367.1443930198675	-0.9918249	32930.91392177	437959.43904296	1135.73398945213	2898.477839804513	2878.17398945213	57.8396461537446	60.7819367
482	367	21322	-53481.14133		10.339573170250766	367.1443990454768	-0.9894219	32947.9202477286	437956.71050142	1135.530713710177	2887.273186743716	2878.3090392335	58.4324041283164	49.112090873341
483	367	21323	-52821.14133		10.339573170250766	367.144433520338	-0.9867075	32967.905886273	437951.657336899	1135.328813003675	2922.53853312647	2875.786216	58.7473034235677	47.6080118770711
484	367	21324	-52161.14133		10.339573170250766	367.1444715467624	-0.984733	32987.8913662776	437947.6040234	1135.120838527733	2874.762149	2874.79320524537	58.7473034235677	46.3378518893244
485	367	21325	-51501.14133		10.339573170250766	367.1445071173708	-0.9823885	33007.478677401	437943.55170939	1134.9192802340054	2877.98802505025	2873.6012506544444	58.7473034235677	45.194128331251894
486	367	21326	-50841.14133		10.339573170250766	367.1445422	-0.9800044	33027.86182437045	437939.49	1134.755210331736	2915.56030049417	2872.46325941647	58.7473034235677	43.9

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKg.ft	BR/ElevBothKg.ft	SatThkLogs.ft	SatThkBoth.ft
565	367	271405	1298.858673033514	1033957.3170250766	39.1458852324082	-100.7948305	346153.1851613328	4397620.093	2775.788973776235	273.053062659477	2710.5429960319966	2710.396560916177	32.51006602748023	32.65650174329994
566	367	271406	1958.858673033514	1033957.3170250766	39.1458841145522	-100.7924691	346354.1577850448	4397616.05946805	2774.901080551075	2740.964818291447	2708.295352232327	2708.295255889381	31.87016240206594	31.87016240206594
567	367	271407	2618.858673033514	1033957.3170250766	39.1458835476045	-100.7901416	346655.1320594458	4397612.02595468	2776.4749824359997	2738.953528127024	2708.57232324444	2708.368340812808	30.51917999898655	30.51917999898655
568	367	271408	3367.858673033514	1033957.3170250766	39.1458802500245	-100.7877461	346756.1025581042	4397607.925962707	2764.9316041389093	2736.857116326205	2708.13265035676	2707.7896121353824	29.72475129066499	29.0675013098052
569	367	271409	3938.858673033514	1033957.3170250766	39.1458780433088	-100.7854526	346957.0747678626	4397603.959573905	2763.388224851479	2734.819438887315	2707.8826742234296	2707.5534046711305	26.9367616652834	27.266031217606724
570	367	271410	4598.85867303351	1033957.3170250766	39.1458771366915	-100.7831082	347158.04680004	4397599.923723355	2761.844584554219	2732.7905057025514	2709.280890751293	2708.94302631505	23.9696147442205	23.84130014046283
571	367	271411	5258.85867303351	1033957.3170250766	39.1458717310835	-100.7807367	347359.018684863	4397595.81750684	2758.7604314292444	2730.7693438497204	2712.1084989832633	2711.9371405113057	18.8629493596907	18.832296344314638
572	367	271412	5918.85867303351	1033957.3170250766	39.145867955522	-100.7784192	347559.904522567	4397591.861750965	2758.174117095364	2730.75564522337	2714.5719317517977	2714.4496383643325	14.16207342075965	14.306061157404429
573	367	271413	6578.85867303351	1033957.3170250766	39.1458636070747	-100.7762747	347760.930123315	4397587.82968268	2757.8589812114853	2730.7498353771516	2715.6228878736493	2715.603974989872	11.02108466567328	11.145411967164364
574	367	271414	7238.85867303351	1033957.3170250766	39.145859651446	-100.7737302	347961.9334571879	4397583.797101927	2757.672052350762	2724.750752853432	2715.356902444587	2715.341327102876	9.35394910973333	9.40429573
575	367	271415	7898.85867303351	1033957.3170250766	39.1458536712823	-100.7713589	3481262.904	4397579.760207199	2755.33091343905	2722.76023154025	2713.694004334101	2713.67609747383	9.06623082	9.064135406391852
576	367	271416	8558.85867303351	1033957.3170250766	39.14584802396736	-100.7690413	348363.875905676	4397575.733458555	2754.1346355405529	2720.7794225864022	2710.948401821097	2710.8864926450804	9.831020765305311	9.89292994582134
577	367	271417	9218.85867303351	1033957.3170250766	39.1458419237061	-100.7666986	348564.846106205	4397571.703	2752.9383576563814	2718.810289243101	2708.223936307265	2708.88186849307	10.2842074579512	10.72840274579512
578	367	271418	9878.85867303351	1033957.3170250766	39.14583573049975	-100.7643523	348765.817769649	4397567.614200755	2751.74208	2716.854299180233	2706.845352829438	2706.686422710427	10.008946351395025	10.167876426606199
579	367	271419	10538.85867303351	1033957.3170250766	39.1458284	-100.7620979	348966.7884829535	4397563.641696024	2750.7849497437835	2714.9134360350727	2706.8902539859395	2706.77293554568	10.023176644733212	10.4009506600466
580	367	271420	11198.85867303351	1033957.3170250766	39.1458200052487	-100.7596634	349167.7590574447	4397559.611	2750.016852330518	2712.9905780335128	2707.874803161389	2707.8325787343566	5.115772872	5.157907686204453
581	367	271421	11858.85867303351	1033957.3170250766	39.14581299320436	-100.7573189	349368.7247230355	4397555.580687352	2750.268812	2711.089174074114	2708.817072827404	2708.877796	2.2721071371373643	2.2112063788738346
582	367	271422	12518.85867303351	1033957.3170250766	39.145804621424	-100.7549744	349569.6997506167	4397551.550327315	2750.167559903808	2709.2140691411026	2709.18021345127	2709.748706234029	0.03356266	
583	367	271423	13178.85867303351	1033957.3170250766	39.1457956102785	-100.75263	349770.6688310905	4397545.521023199	2750.9673041055165	2707.9719476201945	2709.12408225311	2709.422148874492	0.00892994582134	0.107876426606199
584	367	271424	13838.85867303351	1033957.3170250766	39.1457863309704	-100.7502585	349973.7603791364	4397543.491446796	2750.6146241989263	2705.750548516548	2708.5482304531247	2708.8721745766707	0.00892994582134	0.107876426606199
585	367	271425	14498.85867303351	1033957.3170250766	39.14577881569975	-100.747941	350172.6097142465	4397539.46210394	2750.271884293335	2703.817891	2707.40914052406	2707.8860502366124	0.00892994582134	0.107876426606199
586	367	271426	15158.85867303351	1033957.3170250766	39.145766387968	-100.7459565	350373.594132827	4397535.42992389	2749.909148349337	2702.12297201449	2706.13099434816	2706.957699073215	0.00892994582134	0.107876426606199
587	367	271427	15818.85867303351	1033957.3170250766	39.1457539907779	-100.743914	350583.429692347	4397531.404116164	2749.63140413768	2701.818352472585	2704.618352472585	2704.618352472585	0.00892994582134	0.107876426606199
588	367	271428	16478.85867303351	1033957.3170250766	39.1457449	-100.7409076	350775.51497234	4397527.34705119	2749.350816573964	2708.9303303576716	2702.888540725703	2703.197323704129	0.00892994582134	0.107876426606199
589	367	271429	17138.85867303351	1033957.3170250766	39.14573339079784	-100.7385631	350976.487746729	4397523.37059143	2749.0861813369625	2708.6691389953933	2700.951576781496	2701.25622371166	0.00892994582134	0.107876426606199
590	367	271430	17798.85867303351	1033957.3170250766	39.1457214022417	-100.7362186	351177.4568703196	4397519.318881223	2747.841544	2696.04386717794	2698.96373038587	2699.106555741936	0.00892994582134	0.107876426606199
591	367	271431	18458.85867303351	1033957.3170250766	39.1457108607403	-100.7338741	351378.4258514854	4397515.209036356	2746.1629546278027	2704.700981765987	2696.9638920874772	2696.870368087566	0.00892994582134	0.107876426606199
592	367	271432	19118.85867303351	1033957.3170250766	39.1456990629304	-100.7315297	351579.3646892058	4397511.26324529	2746.001204129153302	2693.4210562911135	2696.6163832193743	2696.4119240611644	0.00892994582134	0.107876426606199
593	367	271433	19778.85867303351	1033957.3170250766	39.1456867189004	-100.7291852	351780.3632840885	4397507.2357457355	2745.819105786223	2692.7549688072514	2695.749688072514	2695.749688072514	0.00892994582134	0.107876426606199
594	367	271434	20438.85867303351	1033957.3170250766	39.1456739907779	-100.7268747	351983.429692347	4397503.28499625	2745.63140413768	2691.818352472585	2694.618352472585	2694.618352472585	0.00892994582134	0.107876426606199
595	367	271435	21098.85867303351	1033957.3170250766	39.1456654652783	-100.7244962	352182.30034617835	4397499.18487208	2745.450816573964	2689.83761	2699.438691951535	2699.28917701871	0.00892994582134	0.107876426606199
596	367	271436	21758.85867303351	1033957.3170250766	39.14564	-100.7221518	352383.268617969	4397496.15470548	2745.2839824723452	2688.698001369864	2700.58936	2700.1382510344542	0.00892994582134	0.107876426606199
597	367	271437	22418.85867303351	1033957.3170250766	39.14562479987435	-100.7198073	352584.23673940543	4397491.12816706	2745.1167278725916	2687.5668193897623	2700.986145848715	2700.641380165087	0.00892994582134	0.107876426606199
598	367	271438	23078.85867303351	1033957.3170250766	39.1456092	-100.7174628	352785.2047232109	4397487.102	2744.956252842598	2686.44121230781206	2701.577145042564	2701.212330738707	0.00892994582134	0.107876426606199
599	367	271439	23738.85867303351	1033957.3170250766	39.1455931226854	-100.7151183	352986.172655474	4397483.07561155	2744.780000888518	2685.371796589205	2702.503633446216	2702.066111145463	0.00892994582134	0.107876426606199
600	367	271440	24398.85867303351	1033957.3170250766	39.1455786046776	-100.712778	353187.1402652342	4397479.01924543	2744.618352472585	2684.19105786223	2695.749688072514	2695.749688072514	0.00892994582134	0.107876426606199
601	367	271441	25058.85867303351	1033957.3170250766	39.145563972114	-100.710494	353388.1075528639	4397475.02304989	2744.450816573964	2683.05095393	2705.47507727426	2705.26956264908	0.00892994582134	0.107876426606199
602	367	271442	25718.85867303351	1033957.3170250766	39.14554220981995	-100.708049	353589.0752451497	4397470.999	2744.2961027385403	2681.9218672415973	2707.911167802125	2708.041477122014	0.00892994582134	0.107876426606199
603	367	271443	26378.85867303351	1033957.3170250766	39.145523329731	-100.7057404	353790.042522392	4397466.93772634	2744.13001731477	2707.678202694904	2711.3808983195227	2711.3808983195227	0.00892994582134	0.107876426606199
604	367	271444	27038.85867303351	1033957.3170250766	39.1455060031808	-100.703396	353991.0066597016	4397462.949	2744.006621835251	2679.6158884060476	2707.051977616758	2707.681903017504	0.00892994582134	0.107876426606199
605	367	271445	27698.85867303351	1033957.3170250766	39.1454872204435	-100.701015	354191.976556645	4397458.934173518	2743.869432173518	2678.4471218316976	2698.8095890971514	2699.205789	0.00892994582134	0.107876426606199
606	367	271446	28358.85867303351	1033957.3170250766	39.1454679847612	-100.698707	354392.9453134416	4397454.899723341	2743.70293479505	2677.26699534203	2697.3744887801363	2697.50156089435	0.00892994582134	0.107876426606199
607	367	271447	29018.85867303351	1033957.3170250766	39.14544833074	-100.696339	354593.973869215	4397450.97896127	2743.5369842125074	2676.19105786223	2696.3744887801363	2696.3744887801363	0.00892994582134	0.107876426606199
608	367	27												

ix	iy	Kx	Ky	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.f	BRIElevBothKgr.f	SatTLogh.f	SatTLogh.f
691	367	21531	84458.85867307335	39.124717744303284	-100.4994274	471474.63610706845	43971.136181994	2771.589672187385	2500.153276297276	2577.7273505345834	2576.600148599227	52.425765769271	53.5531276904914	
692	367	21532	85118.85867307335	39.12471952542844	-100.4870269	471675.591	43971.09166737129	2770.435676119963	2630.031781	2576.12859727203	2574.120246748834	53.9080839	55.9115339081554	
693	367	21533	85788.85867307335	39.142306112626	-100.494788	47176.574614649	43971.0566314649	2768.277272693747	2569.28301165586524	2573.113805498117	56.0012779504339	57.7491264181704	58.7491264181704	
694	367	21534	86438.85867307335	39.1420051180142	-100.482394	472077.502460585	43971.0519571913	2768.1217005212634	2629.638401418845	2571.64002099091	2570.020418445896	59.48994305	59.6395705702955	
695	367	21535	87098.85867307335	39.171419704642	-100.4900446	472278.4576706351	43970.9705	2766.284974	2628.68747292285	2565.414331471032	56.831368621154	61.5659060687067	61.5659060687067	
696	367	21536	87758.85867307335	39.17141819699759	-100.4877705	472479.4127569706	43970.9618771555	2763.7637518145503	2629.054023622689	2567.41242918211	55.7669626352263	61.6418807	63.28705174726255	
697	367	21537	88418.85867307335	39.171421651487	-100.4853607	472680.3671278926	43970.9488489429	2761.2505495285303	2628.69747409285	2565.414331471032	56.831368621154	64.381368621154	64.381368621154	
698	367	21538	89078.85867307335	39.17162011882	-100.4830416	472881.3225656114	43970.98546	2763.732587	2628.300497102942	2562.89532429778	55.4054604396378	66.0857900165946	66.0857900165946	
699	367	21539	89738.85867307335	39.171699256224	-100.4806716	473062.221987367	43970.981843	2761.36258763879	2627.79423659923	2560.96223386459	56.850037	67.15859189599	67.15859189599	
700	367	21540	90388.85867307335	39.1716374385427	-100.4783273	473283.2319802536	43970.774001739	2754.139364052097	2627.390277269375	2559.62048930306	55.6841546097142	68.8141546097142	68.8141546097142	
701	367	21541	91058.85867307335	39.1715751734647	-100.4759829	473484.1863715904	43970.8733736808	2751.91634023747	2626.89988	2557.766749117056	55.6708826083364	69.1331463706738	69.8316250243569	
702	367	21542	91718.85867307335	39.17145124553494	-100.4736384	473685.1407325405	43970.96936	2749.69337445965	2626.370243999075	2556.2342024578	55.924292390712	70.1782115223907	70.1782115223907	
703	367	21543	92378.85867307335	39.1714498282966	-100.471294	473886.094973261	43970.9563705096	2745.55392326871347	2625.8197392301374	2554.7184877134478	55.120312526472	71.1002617668962	71.694478068962	
704	367	21544	93038.85867307335	39.1713856603067	-100.4689495	474087.0409941363	43970.6163027289	2745.4980149714693	2625.241121081789	2553.2113211418073	56.0606866004242	72.590279993980424	72.590279993980424	
705	367	21545	93698.85867307335	39.1714215833787	-100.4669051	474288.0359951828	43970.7057631	2744.62410667548	2624.641727198757	2552.54324960627	55.465068001948	73.0679470069432	73.17687059881207	
706	367	21546	94358.85867307335	39.1714257035143	-100.464206	474488.960676706	43970.5323077417	2741.38196381616	2624.040675164105	2550.490709861396	54.902803054338	73.533575501485	74.2212646207267	
707	367	21547	95018.85867307335	39.17141820707127	-100.4619162	474689.9107388074	43970.4824588	2738.163304029227	2623.9006917444	2549.422815030589	54.8838919202142	73.968151405558	75.0020471563718	
708	367	21548	95678.85867307335	39.1714126349744	-100.4595717	474890.8643817976	43970.40567268226	2733.773510594724	2622.744540671347	2547.630274468312	54.7652062914457	75.017525323225	75.017525323225	
709	367	21549	96338.85867307335	39.171406742993	-100.4572273	475091.8179058485	43970.401627	2732.327321680186	2622.08629416069	2547.331880755424	54.6691946295719	74.7451406064465	75.0943305203501	
710	367	21550	96998.85867307335	39.17140994466875	-100.4548828	475292.7713	43970.6327	2724.9939147415657	2621.416714157565	2547.228395983431	54.265176393	74.8831817	74.840320668046	
711	367	21551	97658.85867307335	39.17140927610139	-100.4525384	475493.729597332	43970.632688823	2720.341362740897	2620.7343810242553	2547.2361287458975	54.6814958373998	73.4982523	74.1194226685508	
712	367	21552	98318.85867307335	39.1714086265506	-100.450194	475694.677694193	43970.629740654	2716.020671651477	2620.033542647637	2546.89532425416	54.647104948	72.42821071462211	72.9285862104357	
713	367	21553	98978.85867307335	39.17140798480229	-100.447878	475895.62816769	43970.629740654	2712.745904801967	2619.2745904801967	2545.9279734989	54.647104948	72.42821071462211	72.9285862104357	
714	367	21554	99638.85867307335	39.1714254088778	-100.4455051	476096.5874520906	43970.6218119508	2708.954700142264	2618.476633416154	2549.226576031287	54.9193357987042	72.62000011032701	72.62000011032701	
715	367	21555	100298.85867307335	39.1714055925853	-100.4431066	476297.5366349445	43970.6290310314	2702.958541044254	2617.41973888644	2549.944516233436	2550.157799400092	74.4742266	76.27013895	
716	367	21556	100958.85867307335	39.17140586432244	-100.4408162	476498.48936107405	43970.63116903	2699.399966057	2615.877722100767	2548.302592305767	54.8437240166986	67.575129501053	67.53051793378108	
717	367	21557	101618.85867307335	39.17140571133182	-100.4384717	476699.4941	43970.634146494	2695.84139215073	2613.95324749469	2545.6739562014	54.2537364	68.2795291245511	68.5790571877915	
718	367	21558	102278.85867307335	39.1714047366058	-100.436173	476900.3944367633	43970.6330448	2692.282817951485	2611.8823661047147	2545.195711404208	54.6822798319153	68.9417498550668	69.2548086061093	
719	367	21559	102938.85867307335	39.17140369480229	-100.4334284	477162.2389791546	43969.673899445	2684.73313168992	2610.482610800953	2544.96824767125	53.98196822945	68.83178113419	69.4271320510864	
720	367	21561	104258.85867307335	39.1714023475314074	-100.429094	477503.251091885	43969.883174408	2680.886206	2605.484738658554	2537.103797738006	53.4561018806901	68.3800480359479	69.4395775995444	
721	367	21562	104918.85867307335	39.17140162967304	-100.4267495	477704.203088585	43969.8941682029	2677.038729189823	2604.384110263378	2535.254747071414	53.3642043384737	68.8006676509458	68.8006676509458	
722	367	21563	105638.85867307335	39.171400974653106	-100.4244051	477905.1549690717	43969.854442107	2673.29536770040	2601.209547498914	2533.9376379151963	53.26248971369393	67.7219068796905	68.56057342795611	
723	367	21564	106238.85867307335	39.1714018063209	-100.422066	478106.1067373344	43969.8547392045	2669.6543911293484	2599.080015959251	2532.6312843246053	53.26248971369393	67.7219068796905	68.56057342795611	
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725	367	21566	107558.85867307335	39.171393713559728	-100.4169884	478508.354029401	43969.754062603	2662.225110504187	2592.62679516393	2525.432103306927	52.976787934332	65.6692190597478	65.6692190597478	
726	367	21567	108218.85867307335	39.1713937973	-100.4150273	478708.961336478	43969.675698215	2661.380628021737	2592.732119841716	2528.834965385877	52.976787934332	65.6692190597478	65.6692190597478	
727	367	21568	108898.85867307335	39.1713922036335	-100.4128629	478909.9126379026	43969.6562	2663.073025291068	2590.626549139846	2527.9321384082056	52.976787934332	65.6692190597478	65.6692190597478	
728	367	21569	109538.85867307335	39.17139647852549	-100.4103385	479101.8638	43969.61665724085	2664.693705	2588.526900638585	2526.7693767281025	52.976787934332	65.6692190597478	65.6692190597478	
729	367	21570	110198.85867307335	39.17139574559394	-100.407994	479311.8149006307	43969.61665724085	2666.30371309724	2586.433615891726	2526.029056243326	52.976787934332	65.6692190597478	65.6692190597478	
730	367	21571	110858.85867307335	39.17139460626906	-100.4056496	479512.7658958346	43969.61665724085	2668.084652313947	2584.345051851033	2525.4849694132657	52.976787934332	65.6692190597478	65.6692190597478	
731	367	21572	111518.85867307335	39.1713942350775	-100.4033051	479713.7167051051	43969.61665724085	2669.225110504187	2582.26579516393	2525.432103306927	52.976787934332	65.6692190597478	65.6692190597478	
732	367	21573	112178.85867307335	39.171393713559728	-100.4010385	479914.203088585	43969.61665724085	2670.482610800953	2580.476633416154	2524.96824767125	53.98196822945	68.83178113419	69.4271320510864	
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734	367	21575	113498.85867307335	39.1713937973	-100.397218	480316.5685774426	43969.61665724085	2672.484717704505	2576.045417694445	2525.528097455235	52.976787934332	65.6692190597478	65.6692190597478	
735	367	21576	114158.85867307335	39.1713910542445	-100.3939274	480517.1845825575	43969.61665724085	2673.29536770040	2573.48294201198	2525.58684846763	52.976787934332	65.6692190597478	65.6692190597478	
736	367	21577	114818.85867307335	39.1713910542445	-100.391583	480718.4925595	43969.61665724085	2674.10673173984	2571.926026801398	2525.670313983103	52.976787934332	65.6692190597478	65.6692190597478	
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738	367	21579	116198.85867307335	39.17138952741636	-100.3869841	481120.2694156827	43969.61665724085	2675.038729189823	2567.038729189823	25				

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	LatHgtLogs.ft	SurfHgtBoth.ft	
77	36	21657	-320781.1413		1034617.310250766	39.71105182560011	-01.9389801	248061.0053862907	4399817.904660997	3476.3475365120894	3401.567125505715	3399.8044145290282	3399.99137	1.762710976667761	1.57575146775909
78	36	21658	-320721.1413		1034617.310250766	39.711073816470304	-01.9363639	24862.0746525216	4399813.76133569	3467.02890084265	3467.2262726276416	3397.201972600984	3397.314801409074	2.25518137	2.147471217374164
79	36	21659	-319461.1413		1034617.310250766	39.7110264655066	-01.9342197	248463.1437196782	4399809.6383403	3457.74327347176157	3397.3581226898695	3394.6314074508454	3394.451814508454	2.745803335	2.84049891347065
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81	36	21661	-318141.1413		1034617.310250766	39.7113951736809	-01.9295313	248865.2811	4399801.311	3434.654109912131	3383.127633192904	3389.4408201187703	3389.024868196806	3.4878132005241143	4.102947122709793
82	36	21662	-317481.1413		1034617.310250766	39.71161372902654	-01.9271871	248966.3493574716	4399797.163176089	3412.4515992128735	3391.024037727172	3386.847604874954	3386.769363287196	4.271281399271796	4.250537489741134
83	36	21663	-316821.1413		1034617.310250766	39.7118309153886	-01.9248429	249267.41740748737	4399783.015531191	3415.201592662255	3388.947420435323	3383.851046842724	3383.941204853062	5.06937352598866	5.00607835
84	36	21664	-316161.1413		1034617.310250766	39.71121401069578	-01.9224887	249468.4825042384	4399780.868127155	3386.9504175063894	3381.4624265126963	3380.234091036755	3378.990939393074	6.4700840827138956	6.4700840827138956
85	36	21665	-315501.1413		1034617.310250766	39.7112064655066	-01.9201265	249669.52276375622	4399784.720815155	3384.789106996784	3379.4562916854547	3376.286194589874	3376.286194589874	7.189110297724816	7.189110297724816
86	36	21666	-314841.1413		1034617.310250766	39.71124811315222	-01.9171613	249870.6201	4399780.574017708	3402.386711001404	3383.9603444691	3377.557167389586	3373.89534209567	8.58091677350118	9.47017501321184
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88	36	21668	-313521.1413		1034617.310250766	39.7112912446611	-01.9131219	250272.7539431907	4399772.28061911	3398.216635547634	3385.3457203395674	3375.825984245482	3372.247867541781	9.54763044985166	9.07852797786345
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90	36	21670	-312201.1413		1034617.310250766	39.7113347463635	-01.9084335	250674.8682859344	4399763.982695404	3397.735737358929	3374.630583479354	3374.46540620872975	3372.9860412037932	3.71050626037932	4.65001644011708
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96	36	21676	-308241.1413		1034617.310250766	39.7114619082303	-01.8943862	251881.2796783493	4399739.11772929	3398.571692096121	3373.770968	3368.010797	3367.453211280369	5.760711400660056	6.3177668445317
97	36	21677	-307581.1413		1034617.310250766	39.71148303872721	-01.892024	252082.34417783405	4399730.9256999	3422.008560761993	3374.3176897357	3366.801573484814	3365.678154118836	7.55819323057578	8.863614554921405
98	36	21678	-306921.1413		1034617.310250766	39.71150412367161	-01.8896797	252283.405321117	4399730.8318995	3401.0077605277	3375.123834744036	3365.600441868762	3365.05426121888	9.51978087525391	12.067400512515782
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100	36	21680	-305601.1413		1034617.310250766	39.71154518324225	-01.8849313	252685.53605673595	4399725.15857218	3447.467482411833	3376.728270455692	3362.932027631705	3365.253577939542	13.76057941386439	20.47471321710002
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102	36	21682	-304281.1413		1034617.310250766	39.71158081162688	-01.8803029	253087.6635041608	4399719.255342426	3450.1014465021023	3378.054008414574	3359.93340800017	3358.10760135285	21.18100004144031	21.9456384887248
103	36	21683	-303621.1413		1034617.310250766	39.7116088704856	-01.8779586	253288.7266369407	4399710.112443358	3451.5613182461275	3378.574928928375	3358.448176047297	3356.832985924392	20.09979314207767	21.751907665464583
104	36	21684	-302961.1413		1034617.310250766	39.71162968378379	-01.8756144	253489.7896263915	4399705.96978012	3453.165212606424	3378.927506035485	3356.918021	3355.3865511564226	22.009484811163475	23.540954815921782
105	36	21685	-302301.1413		1034617.310250766	39.7116495391768	-01.8733022	253690.8527196447	4399701.827356353	3454.789106996784	3379.21237104115	3365.386192170255	3363.822177513184	23.540954815921782	25.0948941598317
106	36	21686	-301641.1413		1034617.310250766	39.7116717473494	-01.8705259	253891.6174470227	4399697.68514651	3453.165212606424	3378.927506035485	3356.918021	3355.3865511564226	24.009484811163475	25.540954815921782
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109	36	21689	-299661.1413		1034617.310250766	39.711733730166131	-01.8638933	254495.10032355867	4399685.260191779	3459.01495595837	3379.46034543626	3350.4868931514134	3350.2811210595745	29.876201302212758	29.876201302212758
110	36	21690	-299001.1413		1034617.310250766	39.71175361337683	-01.861549	254696.16175491284	4399681.18779165	3454.2579857150083	3379.38616417835	3349.41203325729	3349.29543561578	30.0366476525709	30.0366476525709
111	36	21691	-298341.1413		1034617.310250766	39.71177410980596	-01.8592048	254897.2224403322	4399679.977775976	3459.205685836724	3379.27323211873	3347.759216746346	3347.68338795984	31.51401337640492	31.58984454590275
112	36	21692	-297681.1413		1034617.310250766	39.7117945439176	-01.8569428	255098.2839112302	4399674.93782004	3451.914414951655	3379.13083149172	3346.010472963936	3345.985119491162	32.025495432416	32.025495432416
113	36	21693	-297021.1413		1034617.310250766	39.71181456660771	-01.8545163	255299.3459638208	4399667.68648049	3450.6381641465778	3378.963401628904	3344.06194390747	3344.06389854167	32.45525905516	34.899327428701
114	36	21694	-296361.1413		1034617.310250766	39.71183573770956	-01.8521721	255500.4050060482	4399664.56187894	3449.356918	3378.7707708002	3342.136690345768	3342.16017145307	36.609759262949	36.609759262949
115	36	21695	-295701.1413		1034617.310250766	39.7118556425322	-01.8498278	255701.465282914	4399654.1328389	3448.578402160447	3378.501050718793	3340.243811	3339.237953903215	38.2405913394937	38.2405913394937
116	36	21696	-295041.1413		1034617.310250766	39.71187591	-01.8474836	255902.522633434	4399656.276314871	3451.302639301215	3378.2969591490935	3338.1877093732747	3338.2969591490935	40.0626724016563	40.0626724016563
117	36	21697	-294381.1413		1034617.310250766	39.71189613764135	-01.8451393	256103.5851033277	4399652.13731928	3453.026868	3378.093393893086	3337.294905	3337.17125072093	40.7144281888863	40.7144281888863
118	36	21698	-293721.1413		1034617.310250766	39.7119163178448	-01.8427651	256304.6446025844	4399647.97381116	3454.741096738549	3378.071208644644	3335.39766584936	3335.74727238236	41.8845420520064	41.8845420520064
119	36	21699	-293061.1413		1034617.310250766	39.71193653973634	-01.8404058	256506.762875977	4399643.82811278	3456.78239494334	3379.47424314722	3362.948560033224	3362.162443724303	42.6706741814678	42.6706741814678
120	36	21700	-292401.1413		1034617.310250766	39.71195653973634	-01.8381066	256706.762875977	4399643.82811278	3456.78239494334	3379.47424314722	3362.948560033224	3362.162443724303	43.5290818755931	

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBothKgr.f	SatH/Kgms.f	SatHBothKgr.f
203	368	21783	-237621.1413	1034617.310250766	39.134666039479506	-101.6435297	273933.8443650556	4399297.018886057	3535.294694557052	3204.5139617460986	3189.82600953659	31.4034966623662	120.99232236167609
204	368	21784	-236961.1413	1034617.310250766	39.1346232407807	-101.6411854	273954.883600121	4399292.989897258	3528.477149494234	3309.6015540394584	3204.67459235966	31.4075495436173	122.8530145276475
205	368	21785	-236201.1413	1034617.310250766	39.13469564814336	-101.638168	273765.9229410913	4399298.7811504248	3521.660144441783	3301.3698981397768	3198.65240869163	31.407343276154915	120.4581703303089
206	368	21786	-235641.1413	1034617.310250766	39.135147540486	-101.6364667	273690.96025091203	4399284.663290982	3514.842869334092	3307.30074849893	3204.28431896253	31.4061131844003	121.04717554862965
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatTKhLogs.ft	SatTKhBoth.ft
329	368	279109	-154641.1413		1034617.3170250766	39.7516212995845	-101.3481347	298723.141632624984	43879.7986289659	3252.1357238612804	3072.7165296665903	3087.287866229158	3087.625062706426	40.09146606164325
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337	368	279117	-149191.1413		1034617.3170250766	39.7512546835481	-101.329579	300351.2411931212	43879.4717883338	3286.270168	3115.5338813882665	3064.1515610713163	3067.656807166798	57.67524115867228
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360	368	279140	-134001.1413		1034617.3170250766	39.7514580105353	-101.2754563	304954.4567065069	43898.622881056	3258.254750707778	3086.1323944903753	3004.467854705133	3004.467854705133	90.68192907845545
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362	368	279142	-132681.1413		1034617.3170250766	39.75148638320342	-101.2707673	305356.4716281073	43898.605124872	3259.03482712945	3083.6327986754447	3008.03858645566	3008.03858645566	92.7534006086265
363	368	279143	-132021.1413		1034617.3170250766	39.75148946337368	-101.2684228	305557.8489637368	43898.60363446	3258.67038172687	3082.383765389727	3007.89426227062	3007.89426227062	93.6487336706594
364	368	279144	-131361.1413		1034617.3170250766	39.75150454017723	-101.2660783	305756.4648976724	43898.5934760	3257.7342398571	3081.673624481919	3005.73404491227	3005.73404491227	94.753262085438
365	368	279145	-130701.1413		1034617.3170250766	39.75151349672235	-101.2637539	305959.4912342619	43898.5821369992	3256.88480326988	3079.76530219809	3004.1950767898915	3004.7336947230684	95.7689482869242
366	368	279146	-130041.1413		1034617.3170250766	39.751522439475146	-101.2613894	306160.49739014154	43898.620574949	3259.973725756242	3078.672262067695	3007.249811303234	3002.5730048239852	96.112641490374055
367	368	279147	-129381.1413		1034617.3170250766	39.75153135593295	-101.2590449	306361.503566112	43898.646002347	3258.323683235697	3076.934310755436	3007.2475401429993	3002.1083117378510789	97.06860031243524
368	368	279148	-128721.1413		1034617.3170250766	39.75154020596735	-101.2567004	306562.5901338784	43898.6205710086	3254.865117392212	3075.40151675421405	3006.81890394804197	3002.6716197393257	98.0276173794344
369	368	279149	-128061.1413		1034617.3170250766	39.751545091396635	-101.2543599	306763.5147221469	43898.61496931545	3254.865117392212	3075.40151675421405	3006.81890394804197	3002.6716197393257	99.0276173794344
370	368	279150	-127401.1413		1034617.3170250766	39.751557700611059	-101.2520115	306964.52012162656	43898.61496931545	3254.865117392212	3075.40151675421405	3006.81890394804197	3002.6716197393257	100.0276173794344
371	368	279151	-126741.1413		1034617.3170250766	39.75156778433832	-101.2497833	307156.78433832	43898.61496931545	3254.865117392212	3075.40151675421405	3006.81890394804197	3002.6716197393257	101.0276173794344
372	368	279152	-126081.1413		1034617.3170250766	39.75157517631059	-101.2473225	307366.5303550372	43898.6406002347	3252.748381	3072.13296180163	3005.73404491227	3005.73404491227	102.0276173794344
373	368	279153	-125421.1413		1034617.3170250766	39.751583806503695	-101.244978	307567.531893818	43898.618665309	3252.748381	3072.13296180163	3005.73404491227	3005.73404491227	103.0276173794344
374	368	279154	-124761.1413		1034617.3170250766	39.75159231406865	-101.2426335	307768.539536796	43898.610297458	3252.748381	3072.13296180163	3005.73404491227	3005.73404491227	104.0276173794344
375	368	279155	-124101.1413		1034617.3170250766	39.75160093011256	-101.240289	307969.5443942978	43898.620574949	3252.748381	3072.13296180			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft	
456	368	272035	-71301.14133	1034617.310250766	39.7613734848145	-01.0527288	320409.311035012	438266.491515221	19.1108749804876	2960.143156	2905.82606770927	2906.02846647962	54.31714955	54.146898307872
456	368	272036	-70641.14133	1034617.310250766	39.7616421565094	-01.0503843	324250.3010385475	438262.41180445	19.289912955328	2959.5902603010	2904.67549918762	2904.79257208317	54.82936659	54.82936659
457	368	272037	-69861.14133	1034617.310250766	39.76167504194135	-01.0488097	324451.29802735853	438262.430240097	19.5654529255555	2958.36523969716	2903.352446693115	2903.352446693115	55.332742764662	55.332742764662
458	368	272038	-69321.14133	1034617.310250766	39.76165182117838	-01.0456592	324652.28035971445	438263.513204710	19.6444678735008	2958.36141406584	2902.112416100834	2902.112416100834	56.2480976575947	55.9872154003698
459	368	272039	-68661.14133	1034617.310250766	39.7616565602247	-01.0433507	324853.2699185413	438262.502540091	19.70522879691107	2957.748459	2900.835050387587	2900.835050387587	56.4734090528026	56.57081258336604
460	368	272040	-68001.14133	1034617.310250766	39.7616614556288	-01.0410062	325054.2591712213	438262.5619553268	19.7671274131494483	2899.485892724036	2899.654065129207	56.7413005201276	57.42780802	
461	368	272041	-67341.14133	1034617.310250766	39.7616689882006	-01.0386617	325255.24825384713	438262.1431708411	19.803828463735843	2956.48535773193	2898.082612572522	2898.254747588665	56.8159232006703	58.2447881943789
462	368	272042	-66681.14133	1034617.310250766	39.76171049	-01.0363711	325456.3217670406	438263.0118851909	19.86611167713717	2896.611167713717	2896.611167713717	56.8969844248145	59.24736068675985	58.99221244361146
463	368	272043	-66021.14133	1034617.310250766	39.7617504243641	-01.0339778	325657.255809168	438263.028337156	19.9254529255555	2895.167635835967	2895.408403586866	56.94601028791558	58.08461256464685	60.04601028791558
464	368	272044	-65361.14133	1034617.310250766	39.76176795	-01.0316281	325858.21448372316	438262.99305724	19.977430565617	2954.534650257678	2893.76887028991	2893.983293655896	60.77777096976	60.5551713639816
465	368	272045	-64601.14133	1034617.310250766	39.7618401387146	-01.0292838	326059.20288120064	438262.955124605	19.9826565735508	2953.876632725763	2892.7154854722364	2892.7154854722364	61.1611378003393	61.1611414484904
466	368	272046	-64041.14133	1034617.310250766	39.7618843164597	-01.0269391	326260.19112392765	438262.184203102	19.99413382040134	2953.7676096279225	2891.588755604497	2891.10067172046187	61.58734063192784	62.047822330385
467	368	272047	-63381.14133	1034617.310250766	39.76192804125136	-01.0245945	326461.17919073906	438262.1711244575	19.99804218124455	2952.4442185159496	2890.653814450949	2890.958758247364	61.79044005923405	62.3483432118674
468	368	272048	-62721.14133	1034617.310250766	39.7619713130984	-01.022225	326662.1670889656	438262.13734	19.99804218124455	2951.664812172031	2889.746176985704	2889.60156	61.91635186325436	62.0326571219204
469	368	272049	-62061.14133	1034617.310250766	39.76202141319737	-01.0199595	326863.15481812727	438262.097673679	19.99413382040134	2950.818691969396	2888.903084179432	2888.72599377747	62.04143213161867	62.04143213161867
470	368	272050	-61401.14133	1034617.310250766	39.7620564979042	-01.017561	327064.1423804836	438262.051299727	19.99413382040134	2949.872257098664	2888.01411926575	2887.990841136729	61.8811373320922	61.8811373320922
471	368	272051	-60741.14133	1034617.310250766	39.7620841088094	-01.0152164	327265.129774191	438262.051299727	19.99413382040134	2948.7918708257366	2887.1031739548953	2887.1031739548953	61.6886987084134	61.65993028781526
472	368	272052	-60081.14133	1034617.310250766	39.762136790937	-01.0128719	327466.1170014054	438261.9971509	19.99413382040134	2947.52834338403	2886.121408479276	2886.27064975677084	61.406874925677084	61.406874925677084
473	368	272053	-59421.14133	1034617.310250766	39.7621877797245	-01.0105274	327667.1040585329	438261.9345383525	19.99413382040134	2946.0364110556807	2885.1472323669034	2885.1472323669034	60.88917536514276	60.849140777008415
474	368	272054	-58761.14133	1034617.310250766	39.7622214003778	-01.0081829	327868.090495753	438261.89138146646	19.99413382040134	2944.28394083574	2884.24395053747	2884.26786348748	60.4444303985558	60.204303985558
475	368	272055	-58101.14133	1034617.310250766	39.7622612532475	-01.0058383	328069.077	438261.834240041	19.99413382040134	2943.1854295133	2883.2479639771	2883.348792548319	59.84878471472016	58.6987481943789
476	368	272056	-57441.14133	1034617.310250766	39.7623021	-01.003438	328262.064204411	438261.7675523	19.99413382040134	2942.0047175293445	2882.880072477027	2882.48014375051	59.18408617470054	57.63613841862161
477	368	272057	-56781.14133	1034617.310250766	39.76234307687	-01.0010474	328463.04300395	438261.745300395	19.99413382040134	2940.8194623044885	2881.94734862393	2881.94734862393	58.47496362393	57.187476906445
478	368	272058	-56121.14133	1034617.310250766	39.762371911900336	-0.9989408	328672.036843862	438261.731745117	19.99413382040134	2939.571259210453	2880.13790549232	2880.718213679135	58.2804947487077	54.5445760700595
479	368	272059	-55461.14133	1034617.310250766	39.76241740834654	-0.9964602	328873.0229017797	438261.724145789	19.99413382040134	2938.437221859774	2879.739116963635	2879.090679	58.2736613621041	53.5218958949566
480	368	272060	-54801.14133	1034617.310250766	39.7624552473486	-0.9941157	329074.080793601	438261.7044263	19.99413382040134	2937.30176893762	2878.439304646487	2878.019459324011	58.1592462402407	52.0123095438657
481	368	272061	-54141.14133	1034617.310250766	39.7624926281686	-0.9917712	329274.9945184373	438261.610648321	19.99413382040134	2936.1362214034014	2877.40698174296	2877.10263875869	58.147831185654	50.3402592842685
482	368	272062	-53481.14133	1034617.310250766	39.762529586479	-0.9894267	329475.980781119	438261.563307393	19.99413382040134	2935.081767699944	2877.077277779744	2877.047604529675	58.0793932054011	48.7772682059945
483	368	272063	-52821.14133	1034617.310250766	39.7625666361722	-0.9870761	329676.965272655	438261.516073396	19.99413382040134	2934.0419523044885	2876.944764868662	2876.944764868662	58.05096362393	46.212818
484	368	272064	-52161.14133	1034617.310250766	39.7626036172418	-0.9847374	329877.9654779	438261.46566039	19.99413382040134	2933.04706719524	2876.80441062463	2876.9370971961524	58.0401267919524	48.217801
485	368	272065	-51501.14133	1034617.310250766	39.7626373633565	-0.9823931	330078.935760034	438261.4347909412	19.99413382040134	2932.067168485179109	2876.75034047355	2876.75034047355	58.0173175996191	47.008868833445
486	368	272066	-50841.14133	1034617.310250766	39.7626727510161	-0.9800486	330279.920663471	438261.401712935	19.99413382040134	2931.0251196217717	2876.65020542665	2876.066381185513	47.23999698	43.42035903220425
487	368	272067	-50181.14133	1034617.310250766	39.76271047162055	-0.9777704	330480.905398212	438261.366827049	19.99413382040134	2930.048689018816	2876.531730058016	2876.965984	47.018057852626	42.2821299032044
488	368	272068	-49521.14133	1034617.310250766	39.7627416294016	-0.9753595	330681.889690194	438261.324662703	19.99413382040134	2929.0446680103	2876.24946540196	2876.07487313227	47.018057852626	41.0623662358318
489	368	272069	-48861.14133	1034617.310250766	39.762775389564	-0.9730705	330882.8473755997	438261.284948345	19.99413382040134	2928.0677889697	2876.07889526455	2868.649110296224	46.9718889437522	40.44766857043344
490	368	272070	-48201.14133	1034617.310250766	39.7628102896105	-0.970764	331083.585150723	438261.245300395	19.99413382040134	2927.06697101977	2876.94382197672	2876.94382197672	46.9718889437522	39.74776906445
491	368	272071	-47541.14133	1034617.310250766	39.7628415498725	-0.9683259	331284.842926735	438261.2049155261	19.99413382040134	2926.0607492	2876.16093557378	2876.07445720585	46.9718889437522	38.45678375313764
492	368	272072	-46881.14133	1034617.310250766	39.7628739059156	-0.9659581	331485.826067435	438261.164430328	19.99413382040134	2925.031387910524	2876.918765241939	2865.67176736391	46.9718889437522	37.8796202709399
493	368	272073	-46221.14133	1034617.310250766	39.76290868885	-0.9636369	331686.81053732874	438261.123931437	19.99413382040134	2924.00594456246	2876.785269924478	2863.4901753531	36.58253754	37.5964212074965
494	368	272074	-45561.14133	1034617.310250766	39.7629373930586	-0.9613292	331887.7930468735	438261.08389632	19.99413382040134	2923.013436302571	2862.39605923066	2861.08713691567	37.1140379	38.426326523741
495	368	272075	-44901.14133	1034617.310250766	39.762968439678	-0.9589478	332088.7739062644	438261.042807015	19.99413382040134	2922.06854291979	2861.674765414018	2861.38688393567	36.58253754	35.5737737268354
496	368	272076	-44241.14133	1034617.310250766	39.7629995204743	-0.9566033	332289.7605305126	438261.0038123	19.99413382040134	2921.085409142248	2860.12295365205	2860.587115342523	36.58253754	34.233856149119
497	368	272077	-43581.14133	1034617.310250766	39.763030612246	-0.9542784	332489.7605305126	438260.964831982	19.99413382040134	2920.1085409142248	2859.14734862393	2859.14734862393	36.58253754	33.0514369632398
498	368	272078	-42921.14133	1034617.310250766	39.763058844416	-0.9519142	332689.7605305126	438260.92581013	19.99413382040134	2919.17481540398	2858.221413688134	2858.221413688134	36.58253754	31.8209733513764
499	368	272079	-42261.14133	1034617.310250766	39.76308807465865	-0.9495967	332889.7605305126	438260.88632248	19.99413382040134	2918.241383479137	2857.304404302643	2858.32393729174	3	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Ln	BR ElevLogsKgf.ft	BR ElevBothKgf.ft	SatHtBothKgf.ft	SatHtBoth.ft
581	581	22161	11858.85867303351	1034617.310250766	39.1639435419708	-100.7537179	349372.7648200063	3937756.818129209	273.059622987382	270.7715182341854	2705.5863281053053	2705.586273254086	4181501.28835075	417499058876773
582	582	22162	1215.85867303351	1034617.310250766	39.1636351767943	-100.7549723	349973.734850500583	3937752.78241418	274.1841312455126	270.784154647952712	2706.339604226019	2706.405757927272	1.5017422535024707	1.4317789517943978
583	583	22163	11738.85867303351	1034617.310250766	39.1636362586904	-100.7526288	349734.70473812553	3937745.75786943	275.8033451821913	2705.94276071152	2706.189368525635	2706.558438660484	0	0
584	584	22164	13838.85867303351	1034617.310250766	39.1639170807606	-100.7502842	350176.6447705544	3937762.782657735	275.0581041155148	270.804364404643	2705.227255726473	2705.9783801697567	0	0
585	585	22165	14498.85867303351	1034617.310250766	39.1639073063402	-100.7479397	350176.644073165	3937740.698777898	276.02919781610424	270.274383059729	2704.4381318632954	2705.009641296646	0	0
586	586	22166	15158.85867303351	1034617.310250766	39.163971863641	-100.7455952	350377.61352571094	3937736.66952315	276.0233100832956	270.308620242375	2703.086202742375	2703.623528482726	0	0
587	587	22167	15818.85867303351	1034617.310250766	39.1638865563703	-100.7432506	350578.88283348	3937732.640520028	276.3739053	269.8480843810144	2701.5917114349247	2701.5913095125	0	0
588	588	22168	16478.85867303351	1034617.310250766	39.16387474741355	-100.7409061	350779.5521	3937728.611711969	276.27258079533167	269.7252801588338	2699.871392579568	2700.209089	0	0
589	589	22169	17138.85867303351	1034617.310250766	39.163896375049	-100.7385616	350889.521186553	3937724.583157194	269.5744841830785	269.81238512021863	2698.40527899534	2698.40527899534	0	0
590	590	22170	17798.85867303351	1034617.310250766	39.1638519496388	-100.735217	351181.489595364	3937720.554835671	276.1743627279025	269.42454382462	269.410510874726	269.615634390141	0	0
591	591	22171	18458.85867303351	1034617.310250766	39.16383506815	-100.7338725	351382.45872978354	3937716.52674391	276.814736474175	269.28234466025057	269.51782922279021	269.215149126524	0	0
592	592	22172	19118.85867303351	1034617.310250766	39.1638261203454	-100.731528	351583.42732070066	3937712.489892346	278.5357631289852	269.17083587689185	269.47754730992287	269.432995954386	0	0
593	593	22173	19778.85867303351	1034617.310250766	39.16381326429676	-100.7291834	351784.3957687927	3937704.47120531	280.1296527905929	269.0487753526944	269.52836406759798	269.510735942328	0	0
594	594	22174	20438.85867303351	1034617.310250766	39.16379946360135	-100.7268389	351985.36404742654	3937704.43881928	281.172345245212073	268.93089529327	269.6024146738107	269.57084919343	0	0
595	595	22175	21098.85867303351	1034617.310250766	39.1637802994884	-100.7244844	352186.3322732458	3937700.614728537	280.378745099797	268.8156875280894	269.6449292671787	269.613175523277	0	0
596	596	22176	21758.85867303351	1034617.310250766	39.1637705033392	-100.7221498	352387.300258174	3937696.389804343	283.703778628457	268.7022230139654	269.749947506898	269.713597817167	0	0
597	597	22177	22418.85867303351	1034617.310250766	39.16377552477225	-100.7198053	352588.268	3937692.363115341	283.4386921817126	268.587133388173	269.7860319875201	269.7861798441900	0	0
598	598	22178	23078.85867303351	1034617.310250766	39.163737912483	-100.7174608	352789.2358740857	3937688.336659522	283.803588457525	268.47754582535895	269.684931149837	269.6826859539597	0	0
599	599	22179	23738.85867303351	1034617.310250766	39.1637236657671	-100.7151162	352990.2046623475	3937684.310436872	283.684990649578	268.635435088868	269.69252047989147	269.6970301624948	0	0
600	600	22180	24398.85867303351	1034617.310250766	39.163710714732896	-100.7127177	353191.170952365	3937680.284	282.92720426471106	268.8258660080863	270.0212924636133	270.020265871092	0	0
601	601	22181	25058.85867303351	1034617.310250766	39.1636901759337	-100.7104272	353392.138236457	3937676.25891062	282.9617959678424	268.9732299611705	270.2169412892835	270.2169412892835	0	0
602	602	22182	25715.85867303351	1034617.310250766	39.1636771515815	-100.7080626	353593.105404831	3937672.23	281.62101374539743	268.902713600887	270.3447246018408	270.3404620387327	0	0
603	603	22183	26498.85867303351	1034617.310250766	39.16365928218	-100.7058192	353784.704742535	3937667.97078734	282.9441978732812	268.8140787267368	270.4338276820083	270.4338276820083	0	0
604	604	22184	27038.85867303351	1034617.310250766	39.1636354400595	-100.703936	353995.033202686	3937664.183	280.6730250257924	267.945014085094	270.106432010378	270.114515037184	0	0
605	605	22185	27698.85867303351	1034617.310250766	39.1636177607828	-100.701049	354196.008080529	3937657.15977125	280.273522968182	267.7734077263553	269.53756680407	269.515168323074	0	0
606	606	22186	28358.85867303351	1034617.310250766	39.1635925460255	-100.6987045	354396.972690642	3937652.13406439	279.77080567638	267.588997085137	268.9239064115306	268.928891	0	0
607	607	22187	29018.85867303351	1034617.310250766	39.1635788	-100.69636	354597.9396180157	3937656.109	279.2588843730307	267.34899920575564	268.3702902277567	268.37563963281364	0	0
608	608	22188	29678.85867303351	1034617.310250766	39.163558933722	-100.6940154	354798.9054912549	3937648.08423467	278.473795057359	267.317541287032	267.7492360220317	267.7492360220317	0	0
609	609	22189	30498.85867303351	1034617.310250766	39.1635396983218	-100.6916789	354999.816216359	3937640.61822963	278.473795057359	267.317541287032	267.7492360220317	267.7492360220317	0	0
610	610	22190	30998.85867303351	1034617.310250766	39.1635170591464	-100.6892384	355200.837745161	3937634.0	277.41984240157	267.17427723093	267.41984240157	267.41984240157	0	0
611	611	22191	31658.85867303351	1034617.310250766	39.1634954535086	-100.6869818	355401.803642277	3937636.01394372	276.5740372305203	266.944775599524	266.8174582486884	266.8174582486884	0	0
612	612	22192	32318.85867303351	1034617.310250766	39.1634735954303	-100.6846373	355602.769419781	3937631.99071575	275.278723703711473	266.717443588806	266.7004589442104	266.7015702401693	1.1707130148354015	0.7115236555226052
613	613	22193	32978.85867303351	1034617.310250766	39.1634511885344	-100.6822928	355803.730546359	3937627.9677801	274.6078784399725	266.6838054318044	266.5711438527987	266.5646282509074	1.172369903174194	1.172369903174194
614	614	22194	33638.85867303351	1034617.310250766	39.1634283287197	-100.6799482	356004.70055090204	3937624.550470184	272.8203505184373	266.528599860234	266.45473813269303	266.45473813269303	1.125215699031008	1.04438707569020153
615	615	22195	34298.85867303351	1034617.310250766	39.1634051152978	-100.6778037	356205.660959506	3937619.822578905	271.84900362535	266.358695991872	266.2524611063394	266.2524611063394	1.1394723944741071	1.04438707569020153
616	616	22196	34958.85867303351	1034617.310250766	39.16338107146902	-100.6756592	356406.31129335	3937615.9	271.53573300447	266.2421419175	266.18139246117	266.18139246117	1.129291518729415	1.04438707569020153
617	617	22197	35618.85867303351	1034617.310250766	39.16335703147946	-100.6729146	356607.59621113003	3937613.925396596	269.1606382	265.98166602329	265.5317881125473	265.5317881125473	1.080215846981329	1.080215846981329
618	618	22198	36278.85867303351	1034617.310250766	39.16332335982056	-100.6705701	356808.5611555204	3937607.8547967	270.1691985207654	266.026151836752	265.9478193464423	265.9478193464423	1.080215846981329	1.080215846981329
619	619	22199	36938.85867303351	1034617.310250766	39.1633027320464	-100.6682256	357009.52565067	3937603.83436955	268.98065473266196	265.73763779322	265.4301605112542	265.4301605112542	1.080215846981329	1.080215846981329
620	620	22200	37598.85867303351	1034617.310250766	39.1632816573362	-100.665881	357210.49063219584	3937598.913808529	272.1952453	265.747165393327	265.39272442316	265.39272442316	1.080215846981329	1.080215846981329
621	621	22201	38258.85867303351	1034617.310250766	39.1632586271043	-100.6635368	357411.4551642885	3937595.9133242	269.585400292743	265.584790795822	265.34902544006	265.34902544006	1.080215846981329	1.080215846981329
622	622	22202	38918.85867303351	1034617.310250766	39.1632291436198	-100.6611912	357612.4195606136	3937591.77611233	274.657151580296	265.420144257398	265.246116828845	265.246116828845	1.080215846981329	1.080215846981329
623	623	22203	39578.85867303351	1034617.310250766	39.16320317649802	-100.6589252	357813.51221165	3937587.822138861	275.83753211524	265.2421419175	265.17181907304	265.17181907304	1.080215846981329	1.080215846981329
624	624	22204	40238.85867303351	1034617.310250766	39.1631741877872	-100.6565929	358010.3479424536	3937583.700259596	269.438354369029	265.0916597413707	264.7635714117764	264.7635714117764	1.080215846981329	1.080215846981329
625	625	22205	40898.85867303351	1034617.310250766	39.163146975249	-100.6541584	358215.3119282916	3937579.740623587	270.309682036853	264.7558823328934	264.7804442635828	264.7804442635828	1.080215846981329	1.080215846981329
626	626	22206	41558.85867303351	1034617.310250766	39.16311868012134	-100.6518138	358416.27577936323	3937575.69025855	275.9244579567	264.57144900335	264.53674847561	264.53674847561	1.080215846981329	1.080215846981329
627	627	22207	42218.85867303351	1034617.310250766	39.1630898318569	-100.6494693	358617.234938496	3937571.67038446	276.02615723291					

ix	yy	X	Y	Lat	Long	UTM-X	UTM-Y	SurElev	W.Lt	BRElevLogsKrg	BRElevBothKrg	SatHLogsKrg	SatHBothKrg
93	99	272413	-310221.1413	103527.73170250766	36.7312311172496216	-11.9014284	251282.2413002546	4399952.883557402	3396.8240636529144	3372.271832265645	3371.6789671288616	3370.685997842722	3370.59866977028812
94	99	272414	-309561.1413	103527.73170250766	36.731322349344374	-11.8990841	251483.3064144966	4399948.738262043	3396.1769205567814	3371.308743732685	3370.7396632502584	3369.842182518984	3368.78012301012286
95	99	272415	-308901.1413	103527.73170250766	36.7313263690930345	-11.8967598	251684.3712534365	4399944.593244121	3404.4489825254585	3370.881723608087	3369.7037294886974	3368.5328199883635	3367.37234325726536
96	99	272416	-308241.1413	103527.73170250766	36.731327483717881	-11.8943955	251885.435874050478	4399944.593244121	3413.6324907463535	3371.3072025903548	3368.145676700005	3368.4815063998623	3367.3566923979
97	99	272417	-307681.1413	103527.73170250766	36.731329686165006	-11.8920215	252086.50019554482	4399936.330880664	3422.02158523814	3372.024251326583	3367.614821427316	3367.3157207956674	3366.204989926679
98	99	272418	-306921.1413	103527.73170250766	36.73133107	-11.889707	252287.56429912706	4399932.159554912	3429.008797287614	3372.890274087816	3366.5319644859746	3364.675018342201	3363.0510841515
99	99	272419	-306261.1413	103527.73170250766	36.731333084275515	-11.8873627	252488.62815800236	4399920.05466669	3433.85937919346	3373.71372086856	3365.3204515457896	3363.801610585739	3360.56632689572
100	99	272420	-305601.1413	103527.73170250766	36.731335908937915	-11.8850184	252689.6917273822	4399918.71615626	3435.373085	3374.5997468021897	3364.39691168882	3360.35674896973	3357.630733270752
101	99	272421	-304941.1413	103527.73170250766	36.73133809252357	-11.8826741	252890.75514246905	4399914.742283863	3438.89769687314	3375.239777281452	3362.502948869743	3359.788199883635	3356.8516867947602
102	99	272422	-304281.1413	103527.73170250766	36.731340095378414	-11.8803298	253091.8162658419	4399915.585	3438.40496180899	3375.97347558551	3360.94679059706	3359.3111856504	3356.82907152736
103	99	272423	-303621.1413	103527.73170250766	36.7313421803405314	-11.8778958	253292.881505708	4399911.44146736	3440.455918441732	3376.4937608488613	3359.54510621486	3358.147167290975	3356.20227375458
104	99	272424	-302961.1413	103527.73170250766	36.731344261071885	-11.8756413	253493.94378901273	4399907.258663285	3443.0530574749764	3376.903846708476	3358.1058517532157	3356.044674681337	3354.794955260040
105	99	272425	-302301.1413	103527.73170250766	36.731346339	-11.873297	253695.0061838948	4399903.199222834	3445.601956038263	3377.21406511736	3356.728665	3355.329674537248	3354.201430479568
106	99	272426	-301641.1413	103527.73170250766	36.731348410191281	-11.8709527	253896.06833569673	4399899.013495795	3448.247329223494	3377.4623729223494	3355.3786651669852	3354.1987218191816	3352.707755364172
107	99	272427	-300981.1413	103527.73170250766	36.731350476721316	-11.8686804	254097.1034445373	4399894.371306556	3449.617472587702	3377.567166109202	3354.329489367613	3353.522467442086	3352.2347126440065
108	99	272428	-300321.1413	103527.73170250766	36.7313525200369	-11.8662641	254298.1911016548	4399890.729	3449.7426074648664	3377.618624701602	3352.865119747992	3352.5037191056795	3351.15104970402625
109	99	272429	-299661.1413	103527.73170250766	36.73135460457038	-11.8639198	254499.25333332	4399886.58746009	3449.873742700314	3377.628397628683	3351.516990311859	3351.04191755389	3350.16679877
110	99	272430	-299001.1413	103527.73170250766	36.73135665498121	-11.8615755	254700.3154106915	4399882.446	3450.004877791965	3377.583297941126	3349.917317073133	3349.58061445650723	3348.7065970009267
111	99	272431	-298341.1413	103527.73170250766	36.731358704677609	-11.8592313	254901.3745525537	4399878.743029257	3450.124572	3377.506536403573	3348.385545081521	3348.2993904187715	3347.291325025305
112	99	272432	-297681.1413	103527.73170250766	36.73136075	-11.8568687	255102.4314905712	4399874.163023058	3447.2322839308026	3377.40062504554303	3346.420962879531	3346.05754590306	3345.097995579496236
113	99	272433	-297021.1413	103527.73170250766	36.731362790482991	-11.8545427	255304.496637207	4399870.023155067	3445.341076359485	3377.270839831074	3344.249550459525	3344.26470816887	3343.021588895079234
114	99	272434	-296361.1413	103527.73170250766	36.731364826592478	-11.8521984	255504.55681678365	4399865.862627073	3445.449328788168	3377.119243165173	3342.1442584794705	3342.134880408668	3341.077476406243
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116	99	272436	-295041.1413	103527.73170250766	36.73136885225022	-11.8475098	255906.6761890003	4399857.602282951	3445.8519502744655	3376.736985761023	3377.839355205891	3340.615655904082	3340.83355513187
117	99	272437	-294381.1413	103527.73170250766	36.731370907749077	-11.8451655	256107.736108371	4399851.46475841	3445.08475206445	3376.489275206445	3376.3889501470108	3336.889523424928	3336.71977374
118	99	272438	-293721.1413	103527.73170250766	36.731372925743004	-11.8428212	256308.795357004	4399849.32885677	3450.3166103700672	3376.186828996698	3363.064314926037	3335.49478326426	3334.407354564619
119	99	272439	-293061.1413	103527.73170250766	36.731374938208708	-11.8404768	256509.85436511436	4399835.13854247	3454.380498330673	3375.8154787281196	3334.181244878263	3334.076206627631	3333.45233809261
120	99	272440	-292401.1413	103527.73170250766	36.731376948145281	-11.8381325	256701.913132653	4399841.04439907	3460.275930435814	3375.304143545044	3333.7913145441175	3332.41427987387	3331.917168062662
121	99	272441	-291741.1413	103527.73170250766	36.731378958253025	-11.8358785	256911.3716644316	4399837.850577297	3466.171186955411	3377.048763110732	3342.04544647813	3341.958958982537	3340.9431848992463
122	99	272442	-291081.1413	103527.73170250766	36.73138094251924	-11.8334933	257113.0290455	4399832.76694258	3472.06820464732	3377.048763110732	3342.04544647813	3341.958958982537	3340.9431848992463
123	99	272443	-290421.1413	103527.73170250766	36.7313829471819985	-11.8310996	257314.0879959197	4399828.628505285	3468.963137179345	3373.688174722246	3332.031921290878	3331.5039997533395	3331.068618133679
124	99	272444	-289761.1413	103527.73170250766	36.73138493603224	-11.8287553	257515.1458042322	4399824.490394784	3465.86089393763	3373.072882796806	3331.01782841505	3330.65534554758	3330.2452438020415
125	99	272445	-289101.1413	103527.73170250766	36.73138692485601	-11.826411	257716.2037322974	4399820.352476677	3464.58486069515	3372.462191500633	3329.968926962875	3329.7192937908084	3329.452880435426
126	99	272446	-288441.1413	103527.73170250766	36.73138896659126	-11.8240667	257917.2607300384	4399816.215	3472.656047825205	3371.869120654961	3328.8161205686296	3328.575010696292	3328.3300068635954
127	99	272447	-287781.1413	103527.73170250766	36.731390885939574	-11.8217224	258118.3179401563	4399812.07735195	3470.37595885498	3371.301082169734	3327.293973752925	3327.076406327183	3326.470070044
128	99	272448	-287121.1413	103527.73170250766	36.731392856253025	-11.819378	258319.37464422775	4399808.145316	3470.37595885498	3371.301082169734	3327.293973752925	3327.076406327183	3326.470070044
129	99	272449	-286461.1413	103527.73170250766	36.73139484277556	-11.8170337	258520.4312599728	4399803.803175915	3470.37595885498	3371.301082169734	3327.293973752925	3327.076406327183	3326.470070044
130	99	272450	-285801.1413	103527.73170250766	36.73139678824635	-11.8146894	258721.467353224	4399799.66436392	3465.62547416475	3369.8004748460776	3321.313146430407	3321.03561413481	3320.823253670374
131	99	272451	-285141.1413	103527.73170250766	36.731398745348486	-11.8123451	258922.537617678	4399795.52949645	3463.07173	3369.2770904286	3318.77657035568	3318.43343889564	3318.09613591
132	99	272452	-284481.1413	103527.73170250766	36.731400702131815	-11.8100008	259123.59667202015	4399791.39369072	3470.594220423338	3368.978568	3316.085561008445	3316.07265265452	3315.8290745511357
133	99	272453	-283821.1413	103527.73170250766	36.73140265219564	-11.8076564	259324.6533333736	4399787.257670037	3377.187268007977	3368.6169475453127	3316.126481871893	3316.07265265452	3315.8290745511357
134	99	272454	-283161.1413	103527.73170250766	36.731404597262225	-11.8053121	259525.1707579715	4399783.12188465	3484.9683156708717	3368.2841750221805	3311.124516755963	3311.17415939971	3310.9168602621745
135	99	272455	-282501.1413	103527.73170250766	36.73140653919784	-11.8029785	259726.2464444444	4399779.6784847813	3490.37595885498	3371.301082169734	3327.293973752925	3327.076406327183	3326.470070044
136	99	272456	-281841.1413	103527.73170250766	36.731408475206716	-11.8006235	259927.8209843598	4399774.85103737	3493.14162167050376	3370.58570050376	3326.57850050376	3326.28963246051	3326.07700943233
137	99	272457	-281181.1413	103527.73170250766	36.731410407152626	-11.7982791	260128.6756077842	4399771.75968517	3496.194897927984	3367.451265114747	3324.079463230065	3304.2931678162316	3303.13566621
138	99	272458	-280521.1413	103527.73170250766	36.73141233459636	-11.7959348	260329.83008425675	4399766.581123251	3499.247998	3367.1538076011125	3302.074916333515	3302.05349604314	3301.6596776098
139	99	272459	-279861.1413	103527.73170250766	36.73141524757499	-11.7939395	260530.8432149242	4399762.447	3500.89186210545	3366.899186210545	3300.1084824193763	3299.951697855061	3298.700120162872
140	99	272460	-279201.1413	103527.73170250766	36.7314161758169574	-11.7912641	260732.03827887						

ix	iy	X.Y	X.Y	Y.Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev-T	W.L.	BRRElevKgrg-T	BRRElevKgrg-T	SatHtKgrg-T	SatHtKgrg-T
19	29	27259	-227061.1413	103527.73170250766	39.15553414555795	-01.6060402	276614.5799113305	4399342.446270187	3525.2350331813195	321.490293967093	3189.240193872701	3185.4671282623223	31.00883690439197	105.6843063683799
220	369	27250	-226401.1413	103527.73170250766	39.175549509713624	-01.6303698	276815.61168457504	4399428.330853467	3521.035552647663	329.973103284337	3188.1323446683694	3184.96315210374	31.00475861599256	105.0099607396259
221	369	27251	-227181.1413	103527.73170250766	39.1555620597686	-01.603154	277166.6472382999	4399424.15873233	3516.8367434213	329.804117472466	3187.168291675377	3183.967184	31.0183321858573	104.8363321858573
222	369	27252	-225081.1413	103527.73170250766	39.1755509074963	-01.5990909	27717.6826	4399420.10729498	3512.636593	329.736980393394	3186.114545900153	3182.91699	31.0184054091851	104.73264425824
223	369	27253	-224241.1413	103527.73170250766	39.15596115229744	-01.5966625	277418.71768800414	4399415.98662216	3508.992148447594	3286.47965521998	3185.524141	3181.68648642999	31.00955245	105.7913668789982
224	369	27254	-223761.1413	103527.73170250766	39.17561146441814	-01.5943181	277619.7526	4399411.85154121	3508.902738390156	3285.324608917312	3184.29794600937	3181.086459419713	31.02691478932502	105.2616235990083
225	369	27255	-223011.1413	103527.73170250766	39.1566282831463	-01.5919377	277820.7826209985	4399407.7537108	3507.81332844437	3284.1776024069303	3182.61474122672	3181.086459419713	31.05562128799581	106.1373664305929
226	369	27256	-222421.1413	103527.73170250766	39.1564211691917	-01.5896292	278021.8217131084	4399403.63319002	3506.727918252858	3283.072936989665	3181.331599181936	317.7303156684921	31.0706697148721	107.7081392145929
227	369	27257	-221781.1413	103527.73170250766	39.15657766023178	-01.5872486	278222.85566223746	4399399.52985776	3506.714796833234	3281.968114371508555	317.484522582646	3102.0853401981622	31.02653401981622	106.422254819836
228	369	27258	-221121.1413	103527.73170250766	39.1575255252438	-01.5849044	278423.8898950814	4399354.416032772	3507.785455115613	3280.782351176325	3178.340859504362	3169.4759511817	31.0241669133276	112.819359645167
229	369	27259	-220641.1413	103527.73170250766	39.1566771098106	-01.582596	278624.9238	4399391.30274408	3508.857100347898	3279.65121161548	3176.887418136362	3166.847803189896	31.023302158593	112.819379625519
230	369	27260	-219801.1413	103527.73170250766	39.1570281841763	-01.5802515	278825.9573734853	4399387.18999206	3508.928251800217	3278.553842209746	3175.279171704653	3164.02896447123	31.02746651032611	114.5248777622616
231	369	27261	-219141.1413	103527.73170250766	39.1571788056217	-01.5779071	279026.9907474084	4399383.076876344	3508.3784870405823	3277.447738001745	3173.58111368311	3161.4435227893213	31.038666834883397	116.00449021782379
232	369	27262	-218481.1413	103527.73170250766	39.1573289741413	-01.5755627	279228.0239996475	4399378.942907026	3507.27799337022	3276.34523840144	3171.742052872828	3157.248924102699	31.046031799673101	119.0962907375513
233	369	27263	-217821.1413	103527.73170250766	39.1574869974889	-01.5732182	279429.05683540774	4399375.951654122	3505.037185320522	3275.2419997982443	3169.787151779494	3153.523766335886	31.054844801875045	121.71896673486384
234	369	27264	-217161.1413	103527.73170250766	39.1576279524332	-01.5708738	279630.0895412975	4399370.739874569	3502.86417326278	3274.1364241125707	3167.700890907104	3148.549132644616	31.06477334554666	125.8861114810911
235	369	27265	-216501.1413	103527.73170250766	39.15777676218864	-01.5685293	279831.1220562292	4399362.51	3500.738231019657	3273.02597191711	3165.438965873807	3144.703526071148	31.06759105943318	128.3263551456474
236	369	27266	-215841.1413	103527.73170250766	39.1579251190273	-01.5661489	280032.1543	4399363.616	3498.62312848477	3271.906710231474	3162.977119814593	3138.530693711285	31.08049040850508	132.076269118867
237	369	27267	-215181.1413	103527.73170250766	39.1580730224924	-01.5638405	280233.18641132803	4399358.049436302	3496.5174382780074	3270.7805812565402	3160.359997736769	3136.785903462498	31.10420583519713	133.9346777404422
238	369	27268	-214521.1413	103527.73170250766	39.15820074739348	-01.561496	280434.2183	4399354.234963722	3494.417382263863	3269.63404258637	3157.839817823774	3135.9289041731765	31.118036642286382	133.714936049212
239	369	27269	-213861.1413	103527.73170250766	39.1583674720041	-01.5591516	280635.2490923827	4399350.18260598	3492.8726797591028	3268.49414477661	3156.572528539024	3140.918012594033	31.12488653960603	127.5866015290972
240	369	27270	-213201.1413	103527.73170250766	39.158531407115035	-01.5568071	280836.2813240451	4399346.072	3491.898924	3267.3402972002026	3156.400189067017	3142.243074054385	31.10501623318544	129.057298647907
241	369	27271	-208681.1413	103527.73170250766	39.158715827138815	-01.5544286	281027.4235103376	4399340.33689861	3489.202595198907	3266.719044734375	3156.58125477614	3141.965158558265	31.11418551010884	114.185551010884
242	369	27272	-211881.1413	103527.73170250766	39.1588057486718	-01.5521183	281238.345	4399337.85150424	3488.94511286426	3264.98351972673	3156.468113	3139.739633545663	31.1020238953713	125.2487125
243	369	27273	-211221.1413	103527.73170250766	39.15898053546335	-01.5497738	281439.3742983296	4399333.74152898	3487.749182734366	3263.79155590087	3156.145006426701	3137.300349	31.10654666401143	125.7650631460712
244	369	27274	-210561.1413	103527.73170250766	39.1590956649646	-01.5474294	281640.0460651724	4399329.631782627	3486.39474176538	3262.580993956983	3155.55306881439	3136.269781058067	31.10729251425949	126.3112128891598
245	369	27275	-209901.1413	103527.73170250766	39.159234399397	-01.5450849	281841.43530761624	4399325.52227313	3484.389962417541	3261.356794102375	3154.826642731013	3135.45622493297382	31.106501512313614	126.9020086263956
246	369	27276	-209241.1413	103527.73170250766	39.1593837766941	-01.5427405	282042.4654041485	4399321.41300311	3482.3015207293824	3260.118342570521	3153.910688624743	3131.8159838203414	31.10765388046468	128.3023587017934
247	369	27277	-208681.1413	103527.73170250766	39.15952715138815	-01.540326	282245.4935959163	4399318.293499163	3480.202595198907	3258.8589606272784	3152.04191312985	3128.0567783618906	31.1085677835439122	128.6777825439122
248	369	27278	-207921.1413	103527.73170250766	39.159670771181	-01.538016	282444.1290536563	4399313.15171146	3478.051296372046	3257.8999171428	3151.52409919219	3127.3297263304	31.1072310926201	129.07232832453
249	369	27279	-207261.1413	103527.73170250766	39.159812519427	-01.5357701	282645.5545545592	4399309.06805987	3475.90019198429	3256.313896137618	3150.426963577346	3133.07653169935	31.10724035602716	123.3585971382675
250	369	27280	-206601.1413	103527.73170250766	39.1599454578403	-01.5333627	282846.5838	4399304.97824299	3473.749161489623	3255.12072833417	3148.427290525675	3136.16483805176	31.105895167077413	115.3968234775655
251	369	27281	-205941.1413	103527.73170250766	39.1600961028117	-01.5310182	283047.612895995	4399300.870195266	3471.836287389405	3253.6275	3146.603532	3136.08580222871	31.109371754571976	119.06858073564905
252	369	27282	-205281.1413	103527.73170250766	39.160237230566	-01.5286738	283248.641746693	4399296.762	3470.161573892922	3252.3672919151204	3144.6743981922345	3132.798830207545	31.1073983228586	119.568461707535
253	369	27283	-204621.1413	103527.73170250766	39.1603778877945	-01.5263293	283448.670384651	4399292.654725995	3468.4988039814	3251.02269897888	3142.594011451525	3134.083622959568	31.10422557462384	119.5984046712966
254	369	27284	-203961.1413	103527.73170250766	39.16051892165	-01.5239848	283650.0895412975	4399288.4745567	3467.81214690323	3250.04174692374	3140.693220492985	3136.967141133911	31.11418551010884	114.185551010884
255	369	27285	-203301.1413	103527.73170250766	39.1606567834285	-01.521604	283851.7220292515	4399284.4021693	3464.9885194276	3248.28654194276	3138.210928	3134.05546878273	31.1075725272783	109.4904045106093
256	369	27286	-202641.1413	103527.73170250766	39.1607971417641	-01.519296	284052.750233914	4399280.33293761	3463.01426703377	3246.895987680187	3132.232927323225	3137.3443930739427	31.10726949296962	109.5510254904042
257	369	27287	-201981.1413	103527.73170250766	39.160935897118	-01.5169515	284253.7828117751	4399276.22622135	3461.035851071682	3245.4900908865084	3137.42253	3137.207317169275	31.106756136394824	109.608707723238
258	369	27288	-201321.1413	103527.73170250766	39.1610747936512	-01.514607	284454.0183826914	4399272.12018764	3459.060275438006	3244.068808088535	3136.570137438972	3132.882313669747	31.107498514698163	111.0864946137881
259	369	27289	-200661.1413	103527.73170250766	39.1612123	-01.5122626	284655.837303847	4399271.3987492	3457.69451055481	3242.632886246805	3135.617021722438	3131.001165939371	31.110165939371	111.0864946137881
260	369	27290	-200001.1413	103527.73170250766	39.161348905241	-01.5099181	284856.8649064297	4399263.90802441	3456.93657297818	3241.18075428298	3134.405269430704	3130.701264416428	31.112039024371	112.390924371807
261	369	27291	-199341.1413	103527.73170250766	39.16148202808	-01.507678	285085.9187951606	4399255.697	3455.425314834505	3240.35226825	3132.074641703457	3130.1509254375159	31.11203789091043	112.658671744766
262	369	27292	-198681.1413	103527.73170250766	39.1616234022808	-01.5052292	285295.9187951606	4399245.697	3454.50755016182	3239.3506320322	3129.993564	3127.047434488487	31.106739423094158	112.658671744766
263	369	27293	-198021.1413	103527.73170250766	39.16175984181	-01.5028847	285459.9450996744	4						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ld.	BR/ElevKgs.fg	BR/ElevBthKgs.fg	SatHtKgs.fg	SatHtBthKgs.fg
339	359	272665	-143091.1413	103527.73170250766	39.717138068780216	-101.3106361	301943.42207143037	3389915.76305287	3287.442738371141	311.05402839538066	3036.738654250897	3055.5885125591344	71.63156297209052	48.465717304672174
340	359	272666	-143201.1413	103527.73170250766	39.71714752146445	-101.3082916	302144.4318059058	3389911.6737925117	3285.653673065429	310.7261651253465	3034.3268836180514	3050.5017116422441	72.62133511102397	52.22153511102397
341	359	272667	-143281.1413	103527.73170250766	39.717151737172	-101.3059176	302345.4413546403	3389907.93949043	3283.166486196753	310.42700587205984	3032.1040198578913	3047.2067705726984	74.275493198087	54.275493198087
342	359	272668	-141921.1413	103527.73170250766	39.71716749304828	-101.3036205	302546.50467018275	3389903.5027172192	3282.9783953644805	310.01213892714137	3030.1739341391953	3040.805407782362	70.075682321839	57.4068645941511
343	359	272669	-141261.1413	103527.73170250766	39.71717210547824	-101.301258	302742.458664967	3389899.4222975613	3276.791172440084	308.9557203425404	3028.123029423864	3034.283453278357	70.8326904	60.6722806
350	359	272670	-140601.1413	103527.73170250766	39.71716688275465	-101.2989135	302948.486831026	3389905.3259759341	3277.0105652836389	307.7105652836389	3026.406055885134	3038.03415508174	71.0430094336113	63.70641367767803
351	359	272671	-139941.1413	103527.73170250766	39.717105966217	-101.2965689	303149.47760290874	3389891.250356689	3270.16612344730413	306.487721915723	3026.133474304134	3029.503504748315	71.7124746115888	66.92577071674077
352	359	272672	-139281.1413	103527.73170250766	39.717206091726914	-101.2942244	303350.4861832166	3389887.168789294	3266.477592562582	3056.259996361947	3026.633683382767	3020.63014342794903	72.6231296719718	67.4269293
353	359	272673	-138621.1413	103527.73170250766	39.71721562759966	-101.2916798	303551.4945712361	3389883.973477448	3265.789649490396	3054.052851037918	3020.7268418758788	3018.605271745896	73.23600915002558	71.1558293
354	359	272674	-137961.1413	103527.73170250766	39.71722517	-101.2895353	303752.5027671744	3389879.00961047	3259.100529018037	3027.855905125232	3019.130550138789	3014.5312116084383	73.7253459871232	78.32458904098348
355	359	272675	-137301.1413	103527.73170250766	39.71722546351113	-101.2871908	303853.5017123417	3389873.9471	3257.215484779946	3091.667267156258	3018.0062729747724	3017.81671827053	73.6690941845842	79.58964029024793
356	359	272676	-136641.1413	103527.73170250766	39.717243964758844	-101.2848463	304154.51858362556	3389870.834074544	3257.1339607760523	3089.4842297875225	3017.4777533760453	3009.7291861782983	73.00647641147725	80.75504366902243
357	359	272677	-135981.1413	103527.73170250766	39.71725331992549	-101.2828017	304355.526205451	3389866.75040454	3257.0542657721257	3089.294363928706	3017.036491	3008.8674655326767	80.04213983959383	81.49831983959383
358	359	272678	-135321.1413	103527.73170250766	39.71726262977007	-101.2801572	304556.53362412815	3389862.68129715	3256.9702897268154	3088.107645317629	3017.0320976857734	3009.532638368061	71.07554731855544	78.57401694596798
359	359	272679	-134661.1413	103527.73170250766	39.717271894319545	-101.2787127	304757.54067263416	3389859.58510047	3257.540885	3086.906851359889	3017.507351983823	3010.62890433615	69.3992938	76.27785092950762
360	359	272680	-134001.1413	103527.73170250766	39.717281113573904	-101.2764881	304958.5470206053	3389854.50126494	3258.702344726758	3085.8011961561504	3016.175166024795	3009.89165784119	67.55567946367901	75.8015382
361	359	272681	-133341.1413	103527.73170250766	39.71729028753313	-101.2731238	305159.5547777368	3389850.429077965	3259.083340335756	3084.46589906717	3018.2831641422463	3010.786588620015	68.1139484582565	73.67797037
362	359	272682	-132681.1413	103527.73170250766	39.7172994619725	-101.2707791	305360.5614444349	3389849.330606419	3258.1205303240578	3083.2215497127695	3018.31498342309	3011.745088	64.9005662426044	71.47646138198934
363	359	272683	-132021.1413	103527.73170250766	39.71730849966165	-101.2684345	305561.567920073	3389842.25748037	3261.66578512377	3082.19661863852	3018.218234733916	3010.2819019028393	63.7436621046027	71.6802498101258
364	359	272684	-131361.1413	103527.73170250766	39.71731753739914	-101.26609	305762.5742073582	3389838.17594621	3261.364949548148	3080.681395329972	3018.050368466223	3008.6242960736566	62.63102686474956	72.6804879873414
365	359	272685	-130701.1413	103527.73170250766	39.717326530418475	-101.2637455	305963.5803009476	3389834.094737559	3261.0642250811003	3079.37123183669	3017.5635387568686	3007.282601850898	61.8058073800264	72.0882989177983
366	359	272686	-130041.1413	103527.73170250766	39.71733547918016	-101.2614009	306164.58621102344	3389830.014	3260.763491621462	3078.019884152494	3017.79905996146	3007.389861344227	60.7260179654304	72.631205081265
367	359	272687	-129381.1413	103527.73170250766	39.71734483006993	-101.2591674	306369.5920080958	3389825.935029619	3260.5858135045897	3076.98924133045897	3017.689251935508	3007.508374328179	59.5872404341546	72.631205081265
368	359	272688	-128721.1413	103527.73170250766	39.71735324	-101.2567119	306566.5945710281	3389821.852582412	3256.244246190076	3075.116091111867	3016.822595501215	3005.231371580504	58.293497509715	69.847143063821
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374	359	272694	-124761.1413	103527.73170250766	39.717407271431	-101.242466	307772.769675	3389803.34761542	3240.734854571969	3064.289927571939	3013.538641958498	3006.673780549859	49.055328161303	56.11611540335
375	359	272695	-124101.1413	103527.73170250766	39.71741336696861	-101.2403001	307973.63079358605	3389793.25686795	3236.616160873452	3060.9653803488745	3012.547973032853	3006.358439881343	48.4170731602158	54.2299959596147
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377	359	272697	-122781.1413	103527.73170250766	39.71743091073369	-101.235611	308375.6388331073	3389785.10805407	3227.684467425969	3056.196711340203	3009.801112982828	3005.00401306516224	46.3958583737509	50.15456888047
378	359	272698	-122121.1413	103527.73170250766	39.71743931467311	-101.2332664	308576.6428490245	3389781.68645074	3223.210893926104	3053.783300330313	3008.098415687355	3005.200641956614	44.6884845	48.57926313636125
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385	359	272705	-117501.1413	103527.73170250766	39.71749687937593	-101.2168546	309983.6627932354	3389750.02009016	3210.988008083814	3038.929442036429	3007.758039548792	3004.481979604582	40.411979604582	46.29338130542515
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388	359	272708	-115521.1413	103527.73170250766	39.717520828171304	-101.209821	310566.687121304	3389740.29119176	3210.734854571969	3046.48997703212	3001.2538621041657	3002.43924289527	42	

ix	yy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
471	369	272791	-60071.14133	1035277.3170250766	39.1802288279731	-101.0512218	329269.19250872906	3480402.019796857	3066.7652746099144	2948.43548336085	2887.3186200560035	2887.290776044117	61.11592828081334	61.14377229196771
472	369	272792	-60081.14133	1035277.3170250766	39.1802703580563	-101.0128773	32470.174866529	4398396.36725018	3065.54456110674	2947.3456495562257	2886.315525499053	2886.4301485827386	61.03012105127247	60.915498373487026
473	369	272793	-59421.14133	1035277.3170250766	39.1803114	-101.016527	32781.166297038	4398394.377768457	3064.34352152113	2945.369371723148	2885.15341884959	2885.36269825542	60.6706282552519	61.17844217184252
474	369	272794	-56761.14133	1035277.3170250766	39.1803519523618	-101.008187	32872.1527400072	4398350.65287045	3063.103696149272	2944.3036883542	2884.381173450472	2884.429158504769	59.873618761763705	59.873618761763705
475	369	272795	-58101.14133	1035277.3170250766	39.18039420545597	-101.0058435	328073.318159688	4398386.596916215	3061.57574632655	2942.3014690440343	2883.504636324268	2883.746013045638	58.7967054116653	58.5845586947967
476	369	272796	-57441.14133	1035277.3170250766	39.1804037103917	-101.0034989	328274.1257439435	4398345.28172156	3059.7391712819656	2940.3071502519506	2883.268336031791	2882.4993540318175	58.79657891071565	57.53700548739047
477	369	272797	-56781.14133	1035277.3170250766	39.18040700005754	-101.0011543	328475.1186719534	4398378.487	3058.06528855525	2937.5925671592404	2881.9690293744393	2881.4662433497083	56.5233738480474	56.126323809353726
478	369	272798	-56121.14133	1035277.3170250766	39.180506433573	-100.9988098	328676.0974249313	4398314.432217299	3056.06560511154	2935.407810282684	2880.91348926094	2880.453813245099	54.13291282	54.591967186329526
479	369	272799	-55461.14133	1035277.3170250766	39.1805476303696	-100.996465	328877.0635252795	4398314.432217299	3054.74527764872	2934.45352152113	2879.915341884959	2879.1525882693542	53.7488144955457	53.6988487744685
480	369	272800	-54801.14133	1035277.3170250766	39.1805857170582	-100.9941206	329078.06925968095	4398336.22369071	3047.906767646775	2929.851723521637	2879.3173584567167	2879.518281082649	53.5343439595702	51.538941713389185
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483	369	272803	-52821.14133	1035277.3170250766	39.1806096655319	-100.9870868	329681.02523108874	4398354.57020139	3034.570820301478	2922.2496652742134	2876.203108430306	2875.2042113397905	46.0195568439041	47.04545387422904
484	369	272804	-52161.14133	1035277.3170250766	39.1807325906362	-100.9847422	329882.0102120569	4398350.19148217	3032.017671381414	2919.8304583459	2875.2125954555336	2874.1156230915154	45.7148209395035	45.7148209395035
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486	369	272806	-50841.14133	1035277.3170250766	39.1808032029662	-100.9800351	330283.978789828	4398342.0033334615	3028.971410140083	2915.21780298337	2872.692369738263	2871.871819566665	42.5271466251008	43.7467761716193
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488	369	272808	-49521.14133	1035277.3170250766	39.1808721632021	-100.9753639	330685.9484872658	4398333.898456027	3021.679773365930	2910.910144726314	2870.4590041936744	2870.911958421614	40.5114053263037	39.70818634072394
489	369	272809	-48861.14133	1035277.3170250766	39.1809005328698	-100.9730193	330886.9326443902	4398342.948366843	3016.9963301742282	2898.83399834052	2869.510293021774	2869.559387367496	39.3437053722778	38.30361103
490	369	272810	-48201.14133	1035277.3170250766	39.1809392313506	-100.9706747	331087.916365544	4398325.794515042	3014.9613011778825	2906.853406460623	2868.4317665387439	2868.4317665387439	36.9503416319181	36.9503416319181
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492	369	272812	-46881.14133	1035277.3170250766	39.181004488708	-100.965936	331489.884134499	4398317.61913044	3005.838817529334	2902.367473690229	2865.761153156616	2868.034382390935	36.705837462772	34.9531903117585
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494	369	272814	-45561.14133	1035277.3170250766	39.1810763737025	-100.9612964	331891.8507675413	4398305.594472997	2993.621246	2899.253808505036	2862.5978579438365	2865.04539603593	35.6557229070406	33.313126959317
495	369	272815	-44901.14133	1035277.3170250766	39.1810989755674	-100.9588518	332092.8345152476	4398303.785652833	2990.073607105687	2897.42255447286	2861.764806642157	2864.78140475177	36.657378079008	32.6410894976812
496	369	272816	-44241.14133	1035277.3170250766	39.1811296	-100.9566072	332293.817166451	4398301.4882183659	2989.0561236809745	2895.608456039027	2860.405431156175	2864.123386477596	35.2029129231517	31.485096514411
497	369	272817	-43581.14133	1035277.3170250766	39.1811597023951	-100.9542626	332494.800180421	4398297.408105682	2988.014887	2893.8067326547804	2859.1369933119806	2860.84642229907	34.26973734472764	29.6588948380766
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499	369	272819	-42261.14133	1035277.3170250766	39.18121861735305	-100.9498574	332896.736812953	4398290.969727129	2984.7213745976473	2889.245413896484	2856.19148446423	2859.38761226897	32.9197921226897	29.1658723211978
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502	369	272822	-40281.14133	1035277.3170250766	39.1813025925468	-100.9425397	333499.719141561	4398277.19052431	2976.443274471782	2884.853027839323	2853.72633629128	2854.865284464793	31.1293942279485	29.98747338643583
503	369	272823	-39621.14133	1035277.3170250766	39.1813301167126	-100.9401951	333700.693821487	4398263.917444825	2965.231291914676	2883.04641392513	2852.39972574872	2853.734552463474	30.64688815206107	29.67096129048593
504	369	272824	-38961.14133	1035277.3170250766	39.1813579782786	-100.9378505	333901.6754041552	4398260.793117412	2962.18423204096	2881.224713012682	2851.069214312527	2851.5234570727294	30.1459414204204	29.6225954
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506	369	272826	-37641.14133	1035277.3170250766	39.1814105112373	-100.9331613	334303.638952633	4398259.969727129	2966.126162846723	2875.51580961071	2847.281914846423	2849.38761226897	29.1658723211978	29.1658723211978
507	369	272827	-36981.14133	1035277.3170250766	39.181435849804	-100.9308167	334504.6193712911	4398256.3908167	2964.296324203836	2875.7996458236	2846.71044428307	2846.920171312314	28.8054672140052	28.8054672140052
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509	369	272829	-35661.14133	1035277.3170250766	39.1814861409226	-100.9261275	334906.581723347	4398248.854	2967.035139279535	2872.258864103452	2844.214383905326	2844.214383905326	28.0640701981264	28.0640701981264
510	369	272830	-35001.14133	1035277.3170250766	39.1815103	-100.9237829	335107.562479434	4398244.806681518	2966.40452809211	2870.6733555040196	2842.7154846350313	2842.7154846350313	27.9905706888826	27.9905706888826
511	369	272831	-34341.14133	1035277.3170250766	39.1815340578217	-100.9214284	335308.4530578073	4398240.76	2965.710692770824	2868.151668567507	2841.050124512142	2840.99220305054	28.10154134468094	28.10154134468094
512	369	272832	-33681.14133	1035277.3170250766	39.181560700234	-100.9194038	335509.52351261757	4398236.710310448	2965.9536761633017	2867.6454704185026	2839.2433667113565	2839.2433667113565	28.094595095926	28.094595095926
513	369	272833	-33021.14133	1035277.3170250766	39.181586376784	-100.9171678	335710.59460551	4398232.373984	2965.2257373984	2866.730645425294	2838.2433667113565	2838.2433667113565	28.08719943746023	28.08719943746023
514	369	272834	-32361.14133	1035277.3170250766	39.1816127751453	-100.9144068	335914.48339085214	4398229.3602316042	2964.239525941166	2864.569173340055	2837.55789544914	2837.55789544914	28.0817109432715	28.08171

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatThKgr.f	SatThBoth.f
597	227917	22418.8586730335	103527.7310250766	39.78188590372925	-100.7199033	352592.2996858264	4397983.598305352	2682.0669936544336	2684.2755972952265	2695.0461850293347	2694.5942808770137	0
598	227918	22418.8586730335	103527.7310250766	39.78187020900167	-100.7174587	35273.76271759161	4397889.51707481	2834.1155130606296	2683.15764516137	2695.493099810217	2694.98119704502	0
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647	227967											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatH/Logs.kg.ft	SatH/Both.ft
723	369	273043	105578.85867307335	103527.7310250766	39.1763515640636	-100.4243863	377913.1586474581	4397388.081816653	2665.3848403811268	260.771894022152	2535.695401289993	2534.568527387189	65.7046292115921	66.2033681469292
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9	370	273069	-365661.1413	103593.7310250766	39.1730759465064	-102.0983745	324396.05473071063	400503.28775564	3767.276853705	3553.581314109656	3505.52967461807	3505.52967461807	47.9651664784896	47.9651664784896
10	370	273070	-365001.1413	103593.7310250766	39.17310104	-102.0960303	324597.14092578128	400499.122075634	3752.285244411136	3551.5498383094696	3505.689209535427	3505.74191133677	45.9662368326294	45.9662368326294
11	370	273071	-364341.1413	103593.7310250766	39.17312696	-102.0937616	324798.22685797652	400495.988119375	3746.898136499294	3549.88231827563	3505.42527747885	3505.42527747885	43.830307284145	43.830307284145
12	370	273072	-363681.1413	103593.7310250766	39.1731510346846	-102.091347	324999.3127135215	400490.792	3747.0724022378	3547.617230065156	3504.217203651356	3504.217203651356	43.830307284145	43.830307284145
13	370	273073	-363021.1413	103593.7310250766	39.1731797866515	-102.0899796	325009.397345619	400486.626999228	3742.31060052324	3545.6532082478348	3502.771001	3502.997355355698	42.93167371494	42.6564517226504
14	370	273074	-362361.1413	103593.7310250766	39.17320086019694	-102.086534	325240.48307936586	400482.462450196	3726.448098082162	3540.80690921162	3501.361758692143	3501.361758692143	42.93167371494	42.6564517226504
15	370	273075	-361701.1413	103593.7310250766	39.173225714067995	-102.0843092	325602.5679621186	400478.218913969	3721.4262134060527	3541.729584085625	3498.3198004399183	3498.3198004399183	42.93167371494	42.6564517226504
16	370	273076	-361041.1413	103593.7310250766	39.173250138317	-102.0819165	325803.6528303162	400474.13406672	3718.190222001282	3539.769422662848	3496.767017457576	3496.767017457576	43.00231129786523	43.111617788523
17	370	273077	-360381.1413	103593.7310250766	39.1732583097	-102.0796208	326004.73682450412	400469.97232308	3714.954203581005	3537.81454068968	3494.37254025392	3494.37254025392	43.00231129786523	43.111617788523
18	370	273078	-359721.1413	103593.7310250766	39.1732979750319	-102.0772766	326205.8210407474	400464.9536308112	3711.71823240439	3535.859430822618	3495.973910211452	3495.973910211452	43.00231129786523	43.111617788523
19	370	273079	-359061.1413	103593.7310250766	39.173322464111525	-102.0749233	326406.90467676673	400461.937729925	3708.3475314238493	3533.908206238625	3493.717343903193	3490.05201819484	43.00231129786523	43.111617788523
20	370	273080	-358401.1413	103593.7310250766	39.17334926003473	-102.0725881	326607.9884523665	400457.480158094	3695.8421071875405	3531.95967324878	3487.862277462754	3487.862277462754	43.00231129786523	43.111617788523
21	370	273081	-357741.1413	103593.7310250766	39.1733733372785	-102.0702439	326809.07176715904	400453.317276360	3688.33668294222	3530.011511574516	3485.8821795373073	3485.8821795373073	43.00231129786523	43.111617788523
22	370	273082	-357081.1413	103593.7310250766	39.17338361425625	-102.0678997	327010.1548213465	400449.159227378	3676.81325869923	3528.060624022885	3484.074100710049	3484.074100710049	43.00231129786523	43.111617788523
23	370	273083	-356421.1413	103593.7310250766	39.1734228419319	-102.0655555	327211.23761513748	400445.943372753	3673.011398198444	3526.107056161708	3482.375427723987	3482.375427723987	43.00231129786523	43.111617788523
24	370	273084	-355761.1413	103593.7310250766	39.17344721753485	-102.0632212	327412.3014873513	400440.83	3665.900841947956	3524.1467184976	3480.148877897305	3480.148877897305	43.00231129786523	43.111617788523
25	370	273085	-355101.1413	103593.7310250766	39.1734729772405	-102.0608916	327619.8871588872	400436.984130922	3663.859430822618	3522.059430822618	3478.158781984867	3478.158781984867	43.00231129786523	43.111617788523
26	370	273086	-354441.1413	103593.7310250766	39.173496020783306	-102.0585228	327814.4843618586	400432.50643993	3661.7307314238493	3520.1927813239	3478.172103150515	3478.172103150515	43.0023112978	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRLEvLogsKrg.f	BRLEvBothKrg.f	SatThrsfLogs.f	SatThBoth.f		
109	370	21918	-299661.1413		1035937.3170250766	39.1535894507628	-101.8639464	254503.40660115323	4400067.915491047	3454.656079708079	3375.8398048836275	3352.7500661152667	3352.3861027048692	23.08738768360603	23.45370217875825
110	370	21917	-299001.1413		1035937.3170250766	39.1537937854443	-101.8610201	2547.0467351104863	4400003.774	3445.751766948484	3375.8197145736994	3350.96010591957	3350.6406934213674	24.85703138736363	25.17902115328005
111	370	21917	-298481.1413		1035937.3170250766	39.1538096537656	-101.8599272	2549.05328719787	4400079.0030089	3445.0484861707977	3375.763527724237	3348.1953184381928	3346.5700373423902	26.37238135505843	26.81358135505843
112	370	21917	-297681.1413		1035937.3170250766	39.15420444	-101.8569134	2545.156588645762	4400075.401062074	3445.0693073669497	3375.683094580493	3346.9464002497225	3346.7379034876783	28.1475067186613873	28.1475067186613873
113	370	21917	-297021.1413		1035937.3170250766	39.1544084454516	-101.8545469	2553.074688682713	4400071.35006672	3445.0438687573237	3375.582568715272	3344.666506779254	3344.4346477683143	31.115918037346546	31.147920046957584
114	370	21914	-296361.1413		1035937.3170250766	39.1541620675666	-101.8522247	255508.7083044614	4400067.209269337	3437.541737774335	3375.643244440826	3342.00940240482	3342.020484974197	33.4424342000566	33.4424343966294
115	370	21915	-295701.1413		1035937.3170250766	39.1544512240793	-101.8498803	2557.0976885131428	4400063.069	3437.6603097208717	3375.526292132387	3339.664660368885	3339.720085411779	36.169199174550196	35.6055430417005
116	370	21916	-295041.1413		1035937.3170250766	39.15501739450905	-101.8473359	255910.8203097248	4400058.928	3440.0126215871247	3375.163393206533	3337.367932769294	3337.489566486858	37.3561392690388	36.073738758778
117	370	21917	-294381.1413		1035937.3170250766	39.1552081921467	-101.8451876	2561.18736968555	4400054.768428292	3448.141698	3375.06327742237	3336.167407038463	3336.915916589854	38.76553148977184	36.87115592764046
118	370	21916	-293721.1413		1035937.3170250766	39.1554211967485	-101.8428472	2563.123463674921	4400050.648136275	3447.702682740115	3374.4748532752782	3334.041506326782	3334.271746463381	39.86073210746545	39.86073210746545
119	370	21917	-293061.1413		1035937.3170250766	39.15563343653665	-101.8405029	2565410.126814979	4400046.50903789	3448.928564355645	3374.3584733150014	3333.328871930646	3333.803562722283	41.029091384355374	40.45540084277315
120	370	21880	-292401.1413		1035937.3170250766	39.1556242473905	-101.8381585	2565.106364178314	4400042.36969878	3455.281070950324	3373.91580323322	3334.8785969256736	3332.128713910261	40.47206707258156	40.78708972267707
121	370	21911	-291741.1413		1035937.3170250766	39.1560246933495	-101.8358141	2569.61129185897	4400038.230972599	3458.632307167902	3373.79302608414	3333.029115391305	3332.687051267062	40.45018721104576	40.67248488170779
122	370	21912	-291081.1413		1035937.3170250766	39.1562246664131	-101.8334698	2571.17199554567	4400034.092	3465.986064298605	3372.709177703552	3332.841689731704	3332.8415410117739	39.929227971888395	40.3557736
123	370	21913	-290421.1413		1035937.3170250766	39.156424265809	-101.8311254	257318.237255634	4400029.963106429	3462.015039005025	3372.1223316712255	3331.5120205762596	3332.048919771739	39.9231811095662526	40.072419498374
124	370	21914	-289761.1413		1035937.3170250766	39.1566231385275	-101.828781	2575.192931013043	4400025.814717127	3450.52049810569	3371.462048093526	3331.7543216568233	3331.520313080755	39.70852773909204	39.9425381507809
125	370	21915	-289101.1413		1035937.3170250766	39.1568219428282	-101.8264836	2577.2032682371	4400021.67656237	3453.42596211936	3370.814826264306	3331.112666405323	3330.851670321123	39.9629146229077	39.9629146229077
126	370	21916	-288441.1413		1035937.3170250766	39.15702012970674	-101.8240923	2579.410970748687	4400015.53650571	3426.31430494133	3370.54236893694	3330.14279575263	3329.826063307946	40.04981411410654	40.33047731434775
127	370	21917	-287781.1413		1035937.3170250766	39.15712178582881	-101.8217479	2581.224664768675	4400013.40097361	3425.882807539096	3369.604957230357	3328.706722361651	3328.4576746024613	40.89823466870591	41.14728237895848
128	370	21918	-287121.1413		1035937.3170250766	39.1574511339719	-101.8194035	2583.23321491726	4400009.263336361	3427.081046989317	3368.05299643678	3326.9461896730522	3326.867058132121	40.42380121244725	40.42380121244725
129	370	21919	-286461.1413		1035937.3170250766	39.15768119567576	-101.8170591	2585.2758259121536	4400005.126336141	3448.277486395396	3368.0898112439	3324.805808050808	3324.485766914927	41.74488726193067	40.0642011951783
130	370	21919	-285801.1413		1035937.3170250766	39.1578703264541	-101.8147148	2589.256335635318	4400000.39636698	3458.4748258897616	3368.0872679351896	3322.315241866468	3322.315241866468	40.6730266179106	40.6730266179106
131	370	21919	-285141.1413		1035937.3170250766	39.1580733942482	-101.8126927	2593.03126342482	4400000.39636698	3468.0484861707977	3368.0872679351896	3322.315241866468	3322.315241866468	40.6730266179106	40.6730266179106
132	370	21912	-284841.1413		1035937.3170250766	39.15819970772316	-101.810026	2591.74717121263	4400092.76148091	3474.137398282818	3367.282377010463	3313.6921251231365	3313.7562412481568	40.90521888990754	50.71816430478134
133	370	21913	-283821.1413		1035937.3170250766	39.1583947	-101.807816	2593.2882085314929	4400088.57996035	3480.179347372126	3366.83530377823	3313.92868448481	3313.789246041455	53.00635348794151	53.14678067083274
134	370	21914	-283161.1413		1035937.3170250766	39.15858972720326	-101.8053372	2595.829578757002	4400044.3880514	3486.22251036115	3366.8218613873934	3311.237459189801	3311.124381926538	55.3844021759241	55.49747460370367
135	370	21915	-282501.1413		1035937.3170250766	39.158783825931	-101.8029289	2597.30192692983	4400090.38	3489.883026351614	3366.3818609735	3308.704524220106	3308.633173962885	57.70306513796285	57.70306513796285
136	370	21916	-281841.1413		1035937.3170250766	39.15897703506226	-101.8006488	2599.319673922056	4400096.172561475	3491.16142656327	3366.077611036837	3306.38174902337	3306.38174902337	59.68803295869595	59.696530682666
137	370	21917	-281181.1413		1035937.3170250766	39.1591702346705	-101.7983401	2601.332105765714	4400092.037257944	3499.439258950525	3365.83259450434	3304.198115992258	3304.198115992258	61.613384131618699	61.613384131618699
138	370	21918	-280521.1413		1035937.3170250766	39.159374703573	-101.7955937	2603.078026819329	4400097.902191727	3497.007900191727	3365.730265340913	3303.1272132172682	3303.1272132172682	62.7248743491793	63.37011924177
139	370	21919	-279861.1413		1035937.3170250766	39.15955527514225	-101.7938153	2605.35100695773	4400096.767362817	3494.240124210333	3365.385606561992	3303.4718958789977	3303.39825030867	64.36477677700157	65.06574012551255
140	370	21920	-279201.1413		1035937.3170250766	39.1597471160251	-101.7912709	2607.361832262313	4400099.632772319	3494.0051797947026	3365.16824592567	3309.700566073485	3309.51271295001	66.41766981830866	66.6161063056057
141	370	21921	-278541.1413		1035937.3170250766	39.15993830405565	-101.7889265	2609.37233964172	4400095.48416892	3493.770217379472	3364.94374807563	3297.020661985001	3296.882369870477	67.92323128225619	68.0670082055149
142	370	21922	-277881.1413		1035937.3170250766	39.160129439031	-101.7865821	2611.382906203832	4400091.364	3493.552549673472	3364.723572534772	3295.463297876536	3295.33109830217	69.3904267045582	69.3904267045582
143	370	21923	-277221.1413		1035937.3170250766	39.1603199213575	-101.7842327	2613.39436664198	4400097.20420106	3496.416136729486	3364.48559342134	3294.159572862542	3293.995829522116	70.32565613173963	70.48729749791801
144	370	21924	-276561.1413		1035937.3170250766	39.16051369168591	-101.7819813	2615.44036177623	4400093.618077623	3498.26194354094	3364.200482490423	3293.68748214368	3293.68748214368	71.19881182125941	71.19881182125941
145	370	21925	-275901.1413		1035937.3170250766	39.1606932689646	-101.7795489	2617.44145915637	4400093.618077623	3498.26194354094	3364.200482490423	3293.68748214368	3293.68748214368	72.313211039832	71.85898902208176
146	370	21926	-275241.1413		1035937.3170250766	39.16088685035694	-101.7772045	2619.450139153918	4400093.618077623	3498.26194354094	3364.200482490423	3293.68748214368	3293.68748214368	73.42167286267	73.42167286267
147	370	21927	-274581.1413		1035937.3170250766	39.1610773209145	-101.7748601	2621.435549672356	4400093.618077623	3498.26194354094	3364.200482490423	3293.68748214368	3293.68748214368	74.5696812253362	74.5696812253362
148	370	21928	-273921.1413		1035937.3170250766	39.1612655	-101.7725157	2623.446053673278	4400095.65480241	3498.76216261799	3362.94178388181	3291.067169149326	3291.067169149326	75.69048785414	75.69048785414
149	370	21929	-273261.1413		1035937.3170250766	39.1614533033142	-101.7701713	2625.46570305338	4400092.432	3498.33673681593	3362.5368387795143	3290.852723488037	3290.852723488037	76.7188115294716	76.7188115294716
150	370	21920	-272601.1413		1035937.3170250766	39.16164045115952	-101.7678129	2627.46784059511	4400091.8	3497.905188651637	3362.084310110123	3290.3835425207	3290.3835425207	77.40462785028733	77.40462785028733
151	370	21921	-271941.1413		1035937.3170250766	39.161828343703	-101.7654813	2629.46784059511	4400091.8	3497.905188651637	3362.084310110123	3290.3835425207	3290.3835425207	78.5188115294716	78.5188115294716
152	370	21912	-271281.1413		1035937.3170250766	39.1620139	-101.7631881	2631.							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatTbT.f	
230	37	23296	-216501.1413	105939.3710250766	36.717590671451774	-11.5685486	279835.2437693642	4399567.927544117	3502.1492145118602	3722.3357217466114	3165.856759089416	3144.363298109308	746.4892665719519	127.9179364298063
236	37	23296	-215841.1413	105937.3710250766	36.71760550751928	-11.5662041	280036.2758050184	4399563.516982636	3498.50807342189	3721.228324934978	3163.614674554232	3139.488573507808	707.6003739322587	131.7342499043489
237	37	23297	-215181.1413	105937.3710250766	36.71762032429342	-11.5636586	280237.3076	4399559.704898981	3485.13756233378	3718.7785435334	3161.3803912674484	3135.803912674484	718.7191043031458	134.29733118684592
238	37	23298	-214521.1413	105937.3710250766	36.71763504377009	-11.5615151	280436.2328278968	4399562.597160909	3484.228068299535	3708.970775116544	3159.429521414521	3131.591186971325	735.4087830948548	135.4087830948548
239	37	23299	-213861.1413	105937.3710250766	36.71764974396127	-11.5591706	280639.3706155315	4399551.481579943	3492.400246374824	3707.8283529330247	3158.1492732772235	3135.0290331451733	730.760796580116	132.79931978765135
240	37	23300	-213201.1413	105937.3710250766	36.7176644	-11.5568261	280840.4017875475	4399547.370801313	3491.385305	3706.674813197125	3157.386567138453	3137.037327584262	729.682405867567	129.6410843866644
241	37	23301	-212541.1413	105937.3710250766	36.71767900845516	-11.5544816	281041.43274422816	4399543.26	3490.369759584364	3705.5004143981805	3157.0648954761787	3137.5965345897076	726.44451892200186	127.9138700337292
242	37	23302	-211881.1413	105937.3710250766	36.71769337276182	-11.5521371	281242.463485709	4399539.149990298	3489.345560578492	3704.330664435896	3156.6730074343323	3136.6339858041026	727.73227979944703	127.73227979944703
243	37	23303	-211221.1413	105937.3710250766	36.71770880177484	-11.5497526	281443.49401220155	4399535.394001133	3487.833323895187	3703.13756233378	3156.158157438468	3135.224215977424	726.879411784958	127.73227979944703
244	37	23304	-210561.1413	105937.3710250766	36.7177235649256	-11.547481	281644.5242393707	4399530.9245645	3485.801711705598	3701.932918934004	3155.52369029005	3133.648108	725.40670284458	126.32218382174055
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257	37	23317	-201981.1413	105937.3710250766	36.7179068211224	-11.516948	284257.832611635	4399479.782156613	3462.851765719715	3700.05851726023	3148.0267954396454	3120.7901014152603	720.317550636467	123.7083476957361
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262	37	23322	-198681.1413	105937.3710250766	36.71797534722117	-11.5052468	285263.0334466334	4399456.990713382	3454.48748613452	3700.05851726023	3148.0267954396454	3120.7901014152603	720.317550636467	123.7083476957361
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279	37	23339</												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.ft	BRfElevBothKgr.ft	SatTrkLogKgr.ft	SatTrkBoth.ft
361	370	273421	-133341.1413	105939.3710250766	39.7910332189653	-101.2731354	305163.6450457863	4399051.695339064	361.167078342979	3083.998566701233	3018.671228400818	3012.9765978149894	65.32733726930473	71.02196785513388
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366	370	274426	-130041.1413	105939.3710250766	39.7914851343431	-101.2614125	306168.6755235165	4399031.28719018	3241.631468948796	3018.046755151783	3007.8938317	3006.69471340922875	69.73765171300767	
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395	370	274455	-110901.1413	105939.3710250766	39.7938823916441	-101.1934189	311997.756515956	4398913.03609392	3115.8438848824868	3011.25521	2978.4950225738703	2975.5337691259122	31.760187636759583	35.721440708246
396	370	274456	-110241.1413	105939.3710250766	39.7939541797905	-101.1910743	312198.7570309451	4398908.96119303	3112.9474471782	3009.827527804665	2978.678112294623	2974.750525151909	30.204045983626	35.721440708246
397	370	274457	-109581.1413	105939.3710250766	39.794003346551	-101.1887297	312399.758136254	4398905.80882052	3098.520477014916	3006.5241352551183	2978.0932849474524	2972.784938	29.040307365383	33.7397837368817
398	370	274458	-108921.1413	105939.3710250766	39.7941092372029	-101.186351	312600.757132544	4398900.81426348	3081.9538766581304	3004.18022604522	2976.1146681364667	2975.90120300504	28.06555246805557	30.22410057447177
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400	370	274460	-107601.1413	105939.3710250766	39.7942578427302	-101.1816959	313002.7563643334	4398892.68	3071.249660216082	2999.546899076634	2970.1635680561567	2969.943139732664	29.38540151506685	30.0555593209881
401	370	274461	-106941.1413	105939.3710250766	39.7943314660398	-101.1793513	313203.755	4398893.949607305	3068.32247606978	2997.263415462467	2965.659285167885	2964.659376882177	31.999714208613265	
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403	370	274463	-105621.1413	105939.3710250766	39.794489634304	-101.1747314	313605.754785476	4398878.7638	3035.97157054602	2990.57413861573	2962.9851725331	2963.2951246873073	35.8202380900744	37.2763166929714
404	370	274464	-104961.1413	105939.3710250766	39.7945647815106	-101.1723014	313806.7519785476	4398876.3078	3035.97157054602	2990.57413861573	2962.9851725331	2963.2951246873073	35.8202380900744	37.2763166929714
405	370	274465	-104301.1413	105939.3710250766	39.79464214268115	-101.1699728	314007.7503304027	4398872.50633268	3027.329715465121	29				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BRiElevKgr.ft	BRiElevBothKgr.ft	SAthKgr.ft	SAthBoth.ft	
479	370	27347	-50181.14133		1035937.3170250766	39.1986849849036	-00.97777129	330489.02371074225	438539.3203092095	3030.8716795278597	2712.7390949248916	2871.9360420746393	2872.874450634882	40.80300543252255	39.8646183669045
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490	370	27350	-48201.14133		1035937.3170250766	39.199606978311364	-00.9706789	331001.9748633629	438527.046258134	3027.4008904567967	2696.502573519773	2868.6719457118794	2872.1365101716724	37.88853084009792	34.4237471803487
491	370	27351	-47581.14133		1035937.3170250766	39.199910238669735	-00.9683344	331292.9584183315	438522.944947687	3017.2468147112234	2804.608835125482	2867.596248806475	2870.08602983659	37.01260870300696	33.66240302888932
492	370	27352	-46811.14133		1035937.3170250766	39.199913504130226	-00.9658987	331493.9418	438505.1842299297	3009.745537833019	2902.699044676519	2866.38673586469	2870.602649734381	36.34230438091253	32.0972941647878
493	370	27353	-46221.14133		1035937.3170250766	39.1999166909021	-00.9636451	331694.92359107053	438504.1891745169	3002.244241494815	2900.628694794175	2865.40173057996095	2870.4890947876484	35.4258617898005	30.33694691769178
494	370	27354	-45561.14133		1035937.3170250766	39.1998478675731	-00.9613004	331895.98018252113	438505.1400339644	2994.72965151088	2898.944598027446	2862.938425969074	2869.028747480083	34.60117593	29.9582375473623
495	370	27355	-44801.14133		1035937.3170250766	39.1996265124546	-00.9588558	332096.91109956	438506.7898662045	2994.61192747388040	2897.16764779568	2862.294866124662	2867.80548621934815	34.892787167	29.358165598068533
496	370	27356	-44121.14133		1035937.3170250766	39.1995201193224	-00.9566111	332297.8736781634	438502.73987217	2992.62389219704	2895.30749972327	2860.25105206624	2865.444511579189	34.115968654971	29.52637349084587
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501	370	27361	-40941.14133		1035937.3170250766	39.1994072606893	-00.9448879	333302.7827071193	438482.4985868225	2984.325874869504	2886.5470682705992	2854.0710027225036	2853.556283450237	32.4706655	29.7885377352243
502	370	27362	-40281.14133		1035937.3170250766	39.19943415351665	-00.9425432	333503.7617612221	438478.440354181	2978.742426372224	2884.792481180225	2853.289455068697	2854.869414230871	31.5030030327076	29.8240849403453
503	370	27363	-39621.14133		1035937.3170250766	39.1994615733504	-00.9401986	333704.7847950609	438474.391382635	2973.44007638601	2881.2992338093	2851.976255499276	2853.461959066652	31.05046387802629	29.5683397141403
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505	370	27365	-38301.14133		1035937.3170250766	39.1995150540782	-00.9355093	334106.71575499	438466.294153426	2975.438083728797	2879.483206	2849.677622482616	2850.541704033833	30.80558374	28.941465293046804
506	370	27366	-37641.14133		1035937.3170250766	39.19955411497444	-00.9331647	334307.69274551184	438462.2458852715	2976.426459900191	2877.70173486838	2848.462898839497	2849.036154947097	29.24783593336615	28.67431792124088
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508	370	27368	-36321.14133		1035937.3170250766	39.1995918715254	-00.9284754	334739.654541485	438454.50016004	2976.455437650083	2874.241944252782	2845.793912919689	2845.981318884258	28.45022550537828	28.262875041022822
509	370	27369	-35661.14133		1035937.3170250766	39.1996265124546	-00.9262638	334964.1051747864	438451.258699318457	2974.6414348490219	2870.26624403759	2840.1546787634	2842.388898241133	28.4498643267688165	28.28714713426981
510	370	27370	-35001.14133		1035937.3170250766	39.1996408287576	-00.9237681	335111.61571731005	438446.051274259	2974.7280072033818	2870.997971553647	2842.781845554294	2842.765257023026	28.42611229872456	28.22874451134435
511	370	27371	-34341.14133		1035937.3170250766	39.1996642475384	-00.9214414	335312.5961	438442.008	2968.665200338138	2869.464539717923	2841.007212425553	2840.971738231963	28.391402023706	28.19457193829157
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513	370	27373	-33021.14133		1035937.3170250766	39.1997108578068	-00.9167521	335714.5562848713	438433.91495874	2965.240333146087	2866.362791908866	2837.293632787276	2836.259168378683	28.691966136313963	28.60518235320027
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515	370	27375	-31701.14133		1035937.3170250766	39.1997625789387	-00.9120628	336136.151684893	438425.924096373	2944.871182340179	2863.719833737583	2830.26624403759	2833.769415467834	29.4486843267688165	29.3874044666778
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522	370	27382	-27081.14133		1035937.3170250766	39.1998965	-00.8956563	337523.3961174364	438397.505517466	2934.6414348490219	2850.489	2820.4415467834	2820.3225322113102	30.0490532026006	30.0490532026006
523	370	27383	-26421.14133		1035937.3170250766	39.19991484426465	-00.8933056	337724.378476477	438393.46123545	2932.94783282288	2848.465152007762	2818.61744898409055	2818.34469848744	29.73042358256546	29.73042358256546
524	370	27384	-25761.14133		1035937.3170250766	39.1999327515189	-00.890961	337925.3261557664	438389.411787838	2936.70302410636	2846.39176223184	2817.263431	2817.157516413791	29.2833156476437	29.234015841024316
525	370	27385	-25101.14133		1035937.3170250766	39.199950251697	-00.8886163	338123.304289947	438383.3734338	2944.2696147315473	2851.907950240489	2815.907620297416	2816.364648205813	28.5640143143136	28.5640143143136
526	370	27386	-24441.14133		1035937.3170250766	39.19996720708615	-00.8862717	338327.2826751413	438381.3297950365	2942.254204663331	2842.100853444029	2814.790102601514	2814.431441541029313	29.27150084251517	29.66670847017538
527	370	27387	-23781.14133		1035937.3170250766	39.1999837553991	-00.883927	338528.2600867257	438379.286490926	2941.01955969084	2839.887242789487	2813.700779065987	2813.700779065987	28.187088219200228	28.187088219200228
528	370	27388	-23121.14133		1035937.3170250766	39.19999895073144	-00.8813823	338729.7237563297	438373.24338994	2945.021658496128	2837.629765960352	2812.743924304364	2812.511444863044	28.8866252587208	28.573882073021385
529	370	27389	-22461.14133		1035937.3170250766	39.2000136824545	-00.8796893	338931.1926517063	438365.19189246	2945.021658496128	2837.629765960352	2812.743924304364	2812.511444863044	28.8866252587208	28.573882073021385
530	370	27390	-21801.14133		1035937.3170250766	39.2000306824545	-00.8778983	339131.1926517063	438357.19189246	2945.021658496128	28				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevBothKrg.ft	BRElevBothKrg.ft	SatHdgBoth	SatHdgBoth
613	270	27673	32978.8586730335	31095937.310250766	39.179971230880745	-0.06822869	555811.7904	438030.4034	2758.9343535915824	2662.539374117316	2662.548882515969	2662.677668	90904916013470029	0.86170263096065
614	270	27674	33658.8586730335	31095937.310250766	39.17996989	-0.07699423	560021.75540152844	438030.26140910669	2745.6021851323676	2662.2193565774134	2661.314540008460	2661.367727311009	0.9052986765674632	0.852110864042825
615	270	27675	34298.8586730335	31095937.310250766	39.17996913379455	-0.077878	556213.73052657	438032.386148074	2733.038154	2660.889772613456	2660.081732509815	2660.04421622504457	0.852110864042825	0.842751211083331
616	270	27676	34938.8586730335	31095937.310250766	39.17996423668181	-0.075253	556414.69624818745	438018.3650289216	2731.301402	2659.5417215210466	2658.442210399752	2658.626591079729	0.8950521123946127	0.8709003434
617	270	27677	35618.8586730335	31095937.310250766	39.17996181468622	-0.0729083	556615.6498014533	438034.34329112	2709.5564	2658.18630236556	2656.7067899935278	2656.6262974816334	1.749512314280762	1.56002262214841
618	270	27678	36278.8586730335	31095937.310250766	39.17995934739262	-0.0705637	556816.61403706816	438010.312127819	2697.827899	2658.422520363414	2654.474368838516	2654.2817342469776	2.580238451286732	2.38013451286732
619	270	27679	36938.8586730335	31095937.310250766	39.17995683480103	-0.068219	557017.5783439048	438006.299391709	2696.0304171354856	2655.4516193684146	2652.8363377113374	2652.8582369871263	2.615281653477283	2.686884701194495
620	270	27680	37598.8586730335	31095937.310250766	39.17995427691148	-0.0668744	557218.4521985706	438002.027778072	2701.1830053755179	2654.0748139151797	2651.0937218904182	2650.9346531512105	2.9810920247614376	3.1399607363691567
621	270	27681	38298.8586730335	31095937.310250766	39.17995167372397	-0.0653297	557419.5065587404	437998.2584171801	2695.63198398666	2653.85102936584	2650.851188925915	2649.4047137657514	3.423113376267793	3.64275113376267793
622	270	27682	38918.8586730335	31095937.310250766	39.17994903	-0.0641185	557620.40760179114	437994.23520895	2713.480267341757	2651.30977223318	2647.851050698128	2647.888487698922	3.421283472198284	3.64275113376267793
623	270	27683	39538.8586730335	31095937.310250766	39.1799463145508	-0.0628404	557821.4342262143	437990.21437317	2717.7860793377784	2649.925520700087	2645.9767034480504	2646.106301813126	3.948196212032562	3.8192125268960713
624	270	27684	40238.8586730335	31095937.310250766	39.1799435927368	-0.06165498	558022.397552171	437996.193707083	2720.274284972595	2648.54186051302	2643.747562106894	2643.8989124082044	4.97428654400231	4.642948243
625	270	27685	40898.8586730335	31095937.310250766	39.17994080793436	-0.061541151	558223.3613480056	437998.137201873	2724.26489560178915	2647.1604289505004	2641.106203801144	2641.289457995378	6.054279071386645	6.054279071386645
626	270	27686	41558.8586730335	31095937.310250766	39.17993797831708	-0.061518065	558424.32407478374	437978.130636958	2726.169696247263	2645.783250263364	2638.479063067053	2638.3639973716987	7.0185895963117	7.152859294393711
627	270	27687	42188.8586730335	31095937.310250766	39.17993510334188	-0.061494818	558625.2876257598	437974.133096327	2732.17678625812634	2644.417364704785	2636.2794480582237	2636.360398218454	8.13324241251093	8.04869591689437
628	270	27688	42878.8586730335	31095937.310250766	39.17993213306876	-0.061471172	558826.2510111388	437970.113350158	2746.7357006491625	2643.0477526707646	2635.321392458904	2635.404164856723	9.27261342784162	9.070578014012277
629	270	27689	43538.8586730335	31095937.310250766	39.17992921749771	-0.061444725	559027.2139611278	437966.09385681	2760.2926350419377	2641.6928897739044	2638.108081300316	2635.47358884341	1.5188046735885095	62.19320869050653
630	270	27690	44198.8586730335	31095937.310250766	39.1799260622719	-0.061424279	559228.1768758291	437962.074532827	2780.349753258514	2640.349753258514	2638.2930247971634	2637.399781661611	2.115050631256633	2.06993359603015
631	270	27691	44858.8586730335	31095937.310250766	39.17992315046031	-0.061400832	559429.1385556545	437958.05556173	2777.128548027463	2639.021089781007	2641.703664433186	2640.692243748853	3.0700192718859	3.0700192718859
632	270	27692	45518.8586730335	31095937.310250766	39.17992004895476	-0.061377386	559630.1021	437954.000712436	2777.10254	2637.10254	2646.179244	2645.157221601819	4.0700192718859	4.0700192718859
633	270	27693	46178.8586730335	31095937.310250766	39.179916902232775	-0.061353939	559831.061	437950.081171728	2783.10359935675	2636.4255990617807	2645.1950107622175	2644.999138238216	5.0700192718859	5.0700192718859
634	270	27694	46838.8586730335	31095937.310250766	39.17991370171271	-0.06133493	560032.026787155	437945.999334281	2786.13167688715	2635.1622599421394	2645.1950107622175	2644.999138238216	6.0700192718859	6.0700192718859
635	270	27695	47498.8586730335	31095937.310250766	39.17991057281365	-0.061315939	560233.0898265875	437941.9817281365	2789.12318984728	2634.12318984728	2644.999138238216	2644.999138238216	7.0700192718859	7.0700192718859
636	270	27696	48158.8586730335	31095937.310250766	39.179907190157286	-0.0612836	560433.950370361	437937.363529391	2794.10164232396	2632.735004933313	2660.59914	2659.52036623035	8.0700192718859	8.0700192718859
637	270	27697	48818.8586730335	31095937.310250766	39.17990382203026	-0.061260154	560634.312815834	437933.943691744	2795.08110802526	2631.575102050192	2661.2303724502544	2659.844735909234	9.0700192718859	9.0700192718859
638	270	27698	49478.8586730335	31095937.310250766	39.1799004889509	-0.061236707	560835.875254333	437929.92817304	2796.00993816473	2630.455836700918	2659.69284011816	2659.20326994004	10.0700192718859	10.0700192718859
639	270	27699	50138.8586730335	31095937.310250766	39.179897017040926	-0.061213621	561036.8361957357	437925.911646064	2795.9461113574444	2629.381251078929	2657.0090871913085	2655.85617341974	11.0700192718859	11.0700192718859
640	270	27700	50798.8586730335	31095937.310250766	39.179893906553086	-0.06118914	561237.793420216	437921.84709022	2796.736647491223	2628.354634645474	2653.967803315517	2653.489404431424	12.0700192718859	12.0700192718859
641	270	27701	51458.8586730335	31095937.310250766	39.17989000740738	-0.061164288	561438.7589753886	437917.878	2797.52729178	2627.379813611145	2651.4172985252435	2651.04876438024	13.0700192718859	13.0700192718859
642	270	27702	52118.8586730335	31095937.310250766	39.1798871943638	-0.061141892	561639.821940423	437913.812	2778.317717474895	2616.458190423917	2648.901320403917	2648.901320403917	14.0700192718859	14.0700192718859
643	270	27703	52778.8586730335	31095937.310250766	39.179884293222484	-0.061119475	561840.8612601195	437909.845292965	2779.461049	2625.5901122097616	2646.781323262243	2647.084853436096	15.0700192718859	15.0700192718859
644	270	27704	53438.8586730335	31095937.310250766	39.17987920818329	-0.061096028	562041.64220403787	437905.829287607	2770.951701325984	2624.780352400442	2645.101865346676	2646.604761	16.0700192718859	16.0700192718859
645	270	27705	54098.8586730335	31095937.310250766	39.17987560784627	-0.061072582	562244.60351078883	437901.831514005	2772.62530534359183	2624.028613388824	2643.5286189129783	2643.817587312184	17.0700192718859	17.0700192718859
646	270	27706	54758.8586730335	31095937.310250766	39.17987187122146	-0.061049136	562443.563695523	437897.797976337	2783.949055458524	2623.335525822355	2642.19626707335	2643.044368816255	18.0700192718859	18.0700192718859
647	270	27707	55418.8586730335	31095937.310250766	39.17986880127862	-0.061025988	562644.524353216	437893.76270402	2791.30740818657	2622.701501247168	2641.12021469738	2641.12021469738	19.0700192718859	19.0700192718859
648	270	27708	56078.8586730335	31095937.310250766	39.17986425040319	-0.061002243	562845.464653075	437889.7617975915	2794.11192082574	2621.12631041914	2640.3203227899	2642.438721671465	20.0700192718859	20.0700192718859
649	270	27709	56738.8586730335	31095937.310250766	39.17985960332106	-0.060977996	563046.4445495997	437885.75276892	2797.044948459	2620.017043143033	2639.7088572510605	2641.89313203201	21.0700192718859	21.0700192718859
650	270	27710	57398.8586730335	31095937.310250766	39.17985647669415	-0.06095535	563247.4051003378	437881.73151299	2798.02989082407	2621.15193919501	2639.02257761938	2641.76021115507	22.0700192718859	22.0700192718859
651	270	27711	58058.8586730335	31095937.310250766	39.1798529818329	-0.060931903	563448.3651238475	437877.72777801	2799.46037996688	2620.70687185627	2639.351022363474	2641.620118158793	23.0700192718859	23.0700192718859
652	270	27712	58718.8586730335	31095937.310250766	39.17984850714879	-0.060908457	563649.325	437873.70963738	2799.5239117198918	2620.460266572	2639.248594205852	2641.4571688752	24.0700192718859	24.0700192718859
653	270	27713	59378.8586730335	31095937.310250766	39.1798445442947	-0.060885011	563850.2847911453	437869.6895730054	2799.621248488095	2620.119209047603	2639.5443890428164	2641.643530292531	25.0700192718859	25.0700192718859
654	270	27714	60038.8586730335	31095937.310250766	39.17984034412841	-0.060861564	564051.2444112841	437865.682055787	2797.84518524097	2619.88565265979	2638.839497	2641.735445340885	26.0700192718859	26.0700192718859
655	270	27715	60698.8586730335	31095937.310250766	39.1798361953079	-0.060838152	564252.198881962974	437861.68881492794	2798.1398677278	2619.705091942974	2638.59117842679	2641.59117842679	27.0700192718859	27.0700192718859
656	270	27716	61358.8586730335	31095937.310250766	39.1798320448502	-0.060814671	564453.1632857243	437857.6540						

ix	iy	ix	iy	X.f	Y.f	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLT	BRRElevKgr.f	BRRElevKgr.f	SatThvLog.f	SatThvBoth.f
73	27379	27379	27379	116.7858667307335	1035937.3170250766	39.19326462710744	-100.368632	381132.3591479354	4397525.37064137	2653.123866555132	25.67719854958166	2528.268758362895	2529.382452064087	38.9291071	37.81541309382947
740	370	27800	116.7858667307335	1035937.3170250766	39.19371846911987	-100.3454186	38133.3083495356	4397521.376976676	2653.247001756289	2565.144891144097	2530.087488279335	2530.283466738873	35.05740296816335	36.8412847	
1	371	27801	116.7858667307335	1035937.3170250766	39.1946869446057	-100.3271651	382781.5365796545	4400727.947846824	3796.277637594518	3569.153118731967	3504.172894045281	3504.128400452813	37.07849526817687	37.07849526817687	37.07849526817687
2	372	27802	1370281.1413	1035697.3170250766	39.17414707	-100.1484518	35697.146211177008	43977.68087281199	3577.4055573719299	3567.1955573719299	3502.575467996295	3505.280777947676	61.9147860748026	61.9147860748026	
3	372803	369621.1413	1035697.3170250766	39.17437460835146	-102.1124725	333193.712201058	4400725.63655498	43793.2594044817197	3565.236634284281	3504.625080670866	3506.103797847614	60.61175361	59.133036395644	59.133036395644	
4	372804	369861.1413	1035697.3170250766	39.1746464669896	-102.1101282	333394.79972603003	4400725.63655498	43783.67178831237	3563.77220303303	3502.326579408574	3503.4645259592804	60.945626217569	59.81319437072874	59.81319437072874	
5	372805	368301.1413	1035697.3170250766	39.17481335644206	-102.1077784	333595.8868689145	4400721.306	43774.088951394523	3561.316756360472	3504.3196228797816	3505.4917834965133	56.99719348089047	56.2671986518584	56.2671986518584	
6	372806	36741.1413	1035697.3170250766	39.17481335644206	-102.1054397	333766.973983458	4400717.139003484	43764.5037275590303	3559.354682519693	3504.712871366143	3505.307005590218	54.5682068881638	54.0484626174127	54.0484626174127	
7	372807	366981.1413	1035697.3170250766	39.17481335644206	-102.1030964	333896.9671711023	4400727.947846824	43757.6946784917	3559.354682519693	3504.589197145897	3504.712871366143	52.7968302037015	52.41481623103013	52.41481623103013	
8	372808	366321.1413	1035697.3170250766	39.1748373715279	-102.1007512	334198.1471889356	4400708.80263539	43753.57274075492	3555.4307047496205	3504.477374791916	3504.6570578178253	50.95334720437916	50.7931341380426	50.7931341380426	
9	372809	365661.1413	1035697.3170250766	39.1748884455923	-102.0984089	334400.2339336334	4400704.604209023	43749.47980303005	3553.64984885764	3504.47232272832	3504.588036934534	49.99726216	48.8814849	48.8814849	
10	372810	365001.1413	1035697.3170250766	39.174913916769505	-102.0960627	334601.319367726	4400704.47541096	43745.38736539637	3551.50956	3503.4454791389903	3503.71704621416	48.040812881997	47.79785805379436	47.79785805379436	
11	372811	364341.1413	1035697.3170250766	39.17493894	-102.0937184	334802.045007131163	4400696.300921574	43740.1053800921574	3549.5050142341168	3502.8057972434103	3503.106851199483	46.44562772212159	46.44562772212159	46.44562772212159	
12	372812	363681.1413	1035697.3170250766	39.17496302063614	-102.0913471	335003.49043518474	4400692.143704049	43733.638933128413	3547.592480471965	3502.25236648003	3502.602669369115	45.3401352388452	44.98949411503237	44.98949411503237	
13	372813	363021.1413	1035697.3170250766	39.1749886132658	-102.089029	335204.2575950005	4400687.978697818	43727.162396	3545.63652376622	3501.0894702371747	3501.372363311832	44.547106239647255	44.36924682498996	44.36924682498996	
14	372814	362361.1413	1035697.3170250766	39.17501375230352	-102.0866856	335405.66048376512	4400683.814	43720.69088119608	3543.68204122028	3500.167156780394	3500.135703	43.51400733081164	43.54636138379783	43.54636138379783	
15	372815	361701.1413	1035697.3170250766	39.1750389799442	-102.0843413	335606.74511488527	4400679.643827885	43715.945179007165	3541.72876255658	3498.245341077119	3498.2056698304664	43.4834214796914	43.52302726182183	43.52302726182183	
16	372816	361041.1413	1035697.3170250766	39.17506339839926	-102.081997	335807.8294841684	4400675.485002218	43712.925143953456	3539.77464841863	3496.146363766345	3496.033438307519	43.631330751979	43.7226926985715	43.7226926985715	
17	372817	360381.1413	1035697.3170250766	39.175088153517925	-102.0796528	336008.9135918159	4400671.3209113	43705.905140316735	3537.827473044538	3494.082660626659	3494.10643866319	43.74481640779459	43.81663116921490	43.81663116921490	
18	372818	359721.1413	1035697.3170250766	39.1751128633045	-102.0773085	336209.9973480598	4400667.110961743	43703.885136680014	3535.881849215597	3492.024966245807	3491.970420194608	43.85682697015	43.9121402080909	43.9121402080909	
19	372819	359061.1413	1035697.3170250766	39.17513752789668	-102.0749642	336411.081203305	4400662.993	43699.97403056248	3533.98371350105	3490.134427084894	3490.1564948098815	43.80482847	43.7822172642371	43.7822172642371	
20	372820	358401.1413	1035697.3170250766	39.17516214715667	-102.072619	336621.16434705252	4400658.830074139	43688.184594454375	3531.969595761765	3488.31107245173	3488.3354170245173	43.68833542620023	43.66154170450239	43.66154170450239	
21	372821	357741.1413	1035697.3170250766	39.1751822113024	-102.0703769	336819.74023691478	4400654.567809616	43683.34287528768	3530.181732222356	3486.243877576482	3486.243877576482	43.68833542620023	43.66154170450239	43.66154170450239	
22	372822	357081.1413	1035697.3170250766	39.1752112498175	-102.0679314	337014.3301283912	4400650.504401273	43677.598012223616	3528.1172759655	3484.8611352552	3484.8611352552	43.68833542620023	43.66154170450239	43.66154170450239	
23	372823	356421.1413	1035697.3170250766	39.17525373231836	-102.0655871	337215.4127550414	4400645.341382261	43677.598012223616	3526.164483379373	3483.358520520476	3483.358520520476	43.68833542620023	43.66154170450239	43.66154170450239	
24	372824	355761.1413	1035697.3170250766	39.17526071133272	-102.0632428	337416.49503705878	4400642.178691789	43668.94202	3524.210833192216	3481.867752165204	3482.056397669786	43.423061	43.423061	43.423061	
25	372825	355101.1413	1035697.3170250766	39.17528454616056	-102.0608985	337617.5770590975	4400638.107675947	43664.13584948025	3522.207905360487	3480.788542988303	3481.337605766972	41.4590573665536	41.4590573665536	41.4590573665536	
26	372826	354441.1413	1035697.3170250766	39.17530891701804	-102.058542	337818.6588213647	4400633.8545363	43661.309673550670	3520.272226695835	3479.31451371275	3479.31451371275	40.98846507979075	40.98846507979075	40.98846507979075	
27	372827	353781.1413	1035697.3170250766	39.1753289132164	-102.056209	338019.74023691478	4400629.88310017	43659.567809616	3518.279989854168	3478.1512032527	3478.1512032527	40.98846507979075	40.98846507979075	40.98846507979075	
28	372828	353121.1413	1035697.3170250766	39.1753574709244	-102.0539674	338225.38125671417	4400625.51967124	43658.23121319608	3516.28127103942	3476.10372022746	3476.10372022746	40.98846507979075	40.98846507979075	40.98846507979075	
29	372829	352461.1413	1035697.3170250766	39.17538186260595	-102.0515213	338421.90255160106	4400621.370437728	43658.12802978013	3514.229761	3476.0292813067235	3476.736364177005	38.3004497650557	37.49611898473645	37.49611898473645	
30	372830	351801.1413	1035697.3170250766	39.1754150585	-102.049177	338622.9637268467	4400617.20943029	43658.12802978013	3512.167181924255	3475.02745111966	3475.02745111966	37.49611898473645	37.49611898473645	37.49611898473645	
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32	372832	350481.1413	1035697.3170250766	39.1754504594071	-102.0444885	339025.1440512849	4400608.8817416	43657.923411764866	3507.923411764866	3472.62639009095	3472.62639009095	35.2967727390116	35.2967727390116	35.2967727390116	
33	372833	349821.1413	1035697.3170250766	39.1754780764787	-102.0421442	339226.2240009303	4400604.729885958	43657.923411764866	3505.7513801716623	3471.22364888428	3471.438426844533	34.527352832405	34.527352832405	34.527352832405	
34	372834	349161.1413	1035697.3170250766	39.1755022113024	-102.039769	339427.303291478	4400600.567809616	43657.923411764866	3503.5451469718	3469.35198302146	3469.35198302146	34.527352832405	34.527352832405	34.527352832405	
35	372835	348501.1413	1035697.3170250766	39.17552601681624	-102.0374555	339628.3831267084	4400596.400461831	43657.923411764866	3501.308516230191	3467.1038729175524	3467.1038729175524	34.527352832405	34.527352832405	34.527352832405	
36	372836	347841.1413	1035697.3170250766	39.1755449836345	-102.0351112	339829.4623019885	4400592.42500549	43656.5284155094304	3499.04357215436	3465.8228511262378	3466.180903509674	32.2230008530587	32.2230008530587	32.2230008530587	
37	372837	347181.1413	1035697.3170250766	39.17557374574046	-102.0327669	340030.54122039941	4400588.08917731	43656.5284155094304	3497.26712840717	3463.8910552519837	3464.2687103100617	32.37107315519233	32.37107315519233	32.37107315519233	
38	372838	346521.1413	1035697.3170250766	39.17559754983921	-102.0304226	340231.6198815715	4400583.9300115	43656.5284155094304	3494.601123173661	3462.266603215589	3462.266603215589	32.37107315519233	32.37107315519233	32.37107315519233	
39	372839	345861.1413	1035697.3170250766	39.17562301681624	-102.0280783	340432.6982855482	4400579.17246718	43656.5284155094304	3492.10772991925	3460.124994714657	3460.124994714657	31.81095476807478	31.81095476807478	31.81095476807478	
40	372840	345201.1413	1035697.3170250766	39.17564932217512	-102.025734	340633.7764370124	4400575.6126								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBotKrg.ft	SatHtLogKrg.ft	SatHtBotKrg.ft
125	371	29325	-289101.1413		1036597.3170250766	36.71749514228917	-01.8264623	27542.50213805653	4400223.001	332.206059111791	3369.099857633032	3332.5269439469939	3323.269948799926	36.8290875303949
126	371	29326	-288441.1413		1036597.3170250766	36.71754149054964	-01.8241179	25792.55896621716	4400218.862736855	3321.599647384235	3368.471007817444	3331.81171110618	3363.575294910406	36.90348032666483
127	371	29327	-287781.1413		1036597.3170250766	36.717534734319566	-01.8217284	258126.81555439	4400205.47426291	3367.949875503078	3367.891171800314	3330.481845210168	337.3572746981654	37.6085471051633
128	371	29328	-287121.1413		1036597.3170250766	36.71755446239797	-01.819429	25387.6719006505	4400215.5157153672	3334.314559609025	3367.280091141086	3328.36213143714716	336.830719942658	38.1795957393036
129	371	29329	-286461.1413		1036597.3170250766	36.717574141518567	-01.8170846	258528.72801840802	4400206.4497818446	3346.664116692788	3366.7708416244773	3325.2018585463757	3325.043647876506	41.56889307810161
130	371	29330	-285801.1413		1036597.3170250766	36.717593782682385	-01.8147401	258729.7838917959	4400212.312520971	3349.0136175195879	3323.489515104964	3323.1769910861959	332.4622700090156	43.1724419013047
131	371	29331	-285141.1413		1036597.3170250766	36.717611374888046	-01.8123957	258930.8362746098	4400198.175660695	3348.0900545675055	3365.8991112740255	3320.43965223772	3320.0462484274806	45.85282184564884
132	371	29332	-284481.1413		1036597.3170250766	36.71763297180263	-01.8100613	259131.89492524424	4400194.03883815	3353.5306749152553	3371.190530796687	3371.032614983196	336.4004411556816	48.49790432060154
133	371	29333	-283821.1413		1036597.3170250766	36.717652742326095	-01.8077768	259532.85008535412	4400192.80902	3378.6965234545614	3365.202843258405	3314.1418794067034	337.3572746981654	51.248616403429
134	371	29334	-283161.1413		1036597.3170250766	36.71767178735839	-01.8053524	259534.05007079812	4400185.76105702	3354.01233533982	3371.095823030578	3310.960346527305	335.1165214761314	53.9230082610578
135	371	29335	-282501.1413		1036597.3170250766	36.717681200799465	-01.8030179	259735.0596838058	4400181.63005776	3348.4853021503282	3364.655382970334	3308.3897059467654	3308.302451646955	56.352935123238825
136	371	29336	-281841.1413		1036597.3170250766	36.7177106554933	-01.8006735	259936.11441170116	4400177.943523374	3348.648029778857	3364.4267737097252	3306.0453512285567	3306.033417719087	58.3535990636156
137	371	29337	-281181.1413		1036597.3170250766	36.71772970079334	-01.798329	260137.1683519204	4400174.33878491	3348.812584020495	3364.2191133147094	3303.97958552399	3304.010215757633	60.2089576
138	371	29338	-280521.1413		1036597.3170250766	36.71774925217519	-01.7959846	260338.22230206343	4400169.22349113	3348.8770169143876	3364.0269814181376	3302.179187523148	3302.266106938024	61.760874480237346
139	371	29339	-279861.1413		1036597.3170250766	36.7177684205111	-01.7936401	260539.2760694393	4400165.084381241	3348.877016910257	3363.844793593428	3305.95269798913	3300.664312412847	63.285523749815095
140	371	29340	-279201.1413		1036597.3170250766	36.7177876663506	-01.7912957	260740.329686165	4400160.95308859	3348.013403610044	3363.666893932001	3299.261590301893	3299.142933055303	64.52362364
141	371	29341	-278541.1413		1036597.3170250766	36.71780605952883	-01.7889512	260941.3826347391	4400156.810293968	3347.3161281173416	3363.4881144211904	3297.8681791434066	3297.754978	65.61939577272984
142	371	29342	-277881.1413		1036597.3170250766	36.71782598930475	-01.7860608	261142.4356511543	4400152.68467552	3346.621307399314724	3362.37093914724	3296.57619482004	3296.40810409456	66.72312045
143	371	29343	-277221.1413		1036597.3170250766	36.7178444864065	-01.7842623	261343.4886898475	4400148.551	3348.5621574706654	3363.105093864584	3295.5151139241257	3295.3634497123934	67.7441641129098
144	371	29344	-276561.1413		1036597.3170250766	36.71786326205928	-01.7819179	261544.54412917958	4400144.416984131	3346.146041444756	3362.8897018581206	3294.519611796648	3296.36436342926	68.52233383
145	371	29345	-275901.1413		1036597.3170250766	36.71788291018636	-01.7795734	261754.5935433138	4400140.2895911	3350.2298522423	3362.650941423338	3293.7082531674464	3293.67530486174	69.04746356230636
146	371	29346	-275241.1413		1036597.3170250766	36.71790162032181	-01.777229	261946.5455	4400136.149661537	3352.381302100171	3362.504674738084	3293.024402322687	3292.96126829985	69.594661539707
147	371	29347	-274581.1413		1036597.3170250766	36.7179203467681	-01.7748424	262157.684882267	4400132.18501407	3354.582967508143	3362.09027891616	3292.508921943167	3292.508921943167	71.775152320116
148	371	29348	-273921.1413		1036597.3170250766	36.717939512817765	-01.7725401	262349.749106691	4400127.88357781	3349.617018210533	3361.7505274153523	3292.183228991947	3292.260549171717	72.956298451577
149	371	29349	-273261.1413		1036597.3170250766	36.71795829	-01.7701956	262549.8004920258	4400123.758938444	3348.6251681275435	3361.738403804455	3292.143894674727	3292.37222220597	73.234811028822
150	371	29350	-272601.1413		1036597.3170250766	36.71797701244688	-01.7678511	262750.85164231974	4400116.916445595	3347.632934427196	3360.966687222194	3291.8466001097736	3291.8466001097736	74.1200711
151	371	29351	-271941.1413		1036597.3170250766	36.717995710782341	-01.7655067	262951.90265057546	4400115.486235156	3347.146724421756	3360.513945	3290.367984231626	3290.383993135485	74.1059614583734
152	371	29352	-271281.1413		1036597.3170250766	36.71801435	-01.7631622	263152.9534241213	4400111.35462214	3348.166688123854	3360.019399506766	3298.95083136304	3298.75994194226	74.08881645437239
153	371	29353	-270621.1413		1036597.3170250766	36.7180334671956	-01.7608177	263354.05006412295	4400107.222624849	3348.186601269591	3360.019399506766	3298.75994194226	3298.75994194226	75.2594935493599
154	371	29354	-269961.1413		1036597.3170250766	36.7180514952033	-01.7584733	263549.1304221613	4400103.01028243	3350.20289428916	3360.019399506766	3298.75994194226	3298.75994194226	76.175152320116
155	371	29355	-269301.1413		1036597.3170250766	36.71807000412666	-01.7561288	263756.10394351	4400098.96	3350.772964717157	3358.2849785362223	3298.021460615885	3298.1094770814397	72.2635179023371
156	371	29356	-268641.1413		1036597.3170250766	36.7180880433006	-01.7537843	263957.15364492894	4400094.928	3350.288537637155	3362.885703264222	3298.1265740949594	3298.1265740949594	72.753155682895
157	371	29357	-267981.1413		1036597.3170250766	36.7181087485545	-01.7515394	264158.2031628179	4400096.99759769	3349.988907869193	3356.920582155665	3283.394822336818	3283.670829301267	73.5257353474833
158	371	29358	-267321.1413		1036597.3170250766	36.71812524	-01.7490954	264359.25244819693	4400086.56797907	3349.111882065292	3356.178908106822	3281.870978295826	3282.4281370216623	73.7505955
159	371	29359	-266661.1413		1036597.3170250766	36.7181435853007	-01.7467505	264560.30120126904	4400082.437087596	3349.0051957270562	3356.050957068976	3280.259567740603	3280.259567740603	74.26987157414505
160	371	29360	-266001.1413		1036597.3170250766	36.7181619470826	-01.7444064	264761.3504221613	4400078.73021475	3348.92494438966	3354.582967508143	3279.81159835213	3279.81159835213	75.775152320116
161	371	29361	-265341.1413		1036597.3170250766	36.71818008054528	-01.742059	264962.39901126304	4400074.17784747	3347.9326161	3353.74132075333	3278.5526261150692	3278.38142825778	77.1888949124687
162	371	29362	-264681.1413		1036597.3170250766	36.71819827	-01.7397175	265163.447386571	4400070.407585348	3347.002378024934	3352.865494789308	3274.736147343633	3274.736147343633	78.1293474456176
163	371	29363	-264021.1413		1036597.3170250766	36.71821641158268	-01.737373	265364.4954457314	4400065.918	3349.05190093893245	3352.795236569187	3277.8653827087407	3277.8653827087407	79.0757512389079
164	371	29364	-263361.1413		1036597.3170250766	36.71823450916302	-01.7350285	265565.5433892155	4400061.789082018	3347.0323756369652	3351.0237563369652	3277.050102583806	3277.050102583806	79.7689073204738
165	371	29365	-262701.1413		1036597.3170250766	36.71825259165107	-01.7328841	265766.5910527904	4400057.660211054	3348.90382955714	3350.089046829525	3269.464333661035	3269.464333661035	80.7262712964731
166	371	29366	-262041.1413		1036597.3170250766	36.71827058446915	-01.7303396	265967.6384850536	4400053.51306699	3348.1321306733	3367.684466247165	3269.850260363048	3269.850260363048	81.44832232
167	371	29367	-261381.1413		1036597.3170250766	36.7182893498269	-01.7278484	266178.7860676214	4400049.7860676214	3347.9326161	3353.74132075333	3278.5526261150692	3278.38142825778	82.15954951151009
168	371	29368	-260721.1413		1036597.3170250766	36.7183035448005	-01.7253506	266392.39901126304	4400045.274972453	3347.002378024934	3352.865494789308	3274.736147343633	3274.736147343633	83.8778997100413
169	371	29369	-260061.1413		1036597.3170250766	36.718324317679674	-01.7233061	266670.7790055146	4400041.147	3347.265459084816	3346.214994480707	3263.903437685175	3263.903437685175	85.0898146072008
170	371	29370	-259401.1413		1036597.3170250766	36.71834214350575	-01.7209616	266771.8259118907	4400037.019333115	3346.615548843134	3345.215248010552	3261.524803390215	3261.524803390215	86.0661002
171	371	29371	-258741.1413		1036597.3170250766	36.7183592043933	-01.7186172	266972.8719340086	4400032.818916348	3347.452786395927	3344.226419538954	3260.020227896416	3260.020227896416	87.5462244886317
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Id	ty	lc	X.R.	Y.R.	Latitude	Longitude	UTMX	UTMY	SurfLen	W.Lt.	BRElevLogKmg	BRElevBotKmg	SatHkLen	SatHkBotH	
251	357	274052	-205941.143	10636597	31.02507666	-39.119635616151145	101.3351048	283505.84855057154	4399703.682189575	3471.940009	352.4262667076687	3148.8894548485046	3103.5439255430074	106.5568118591641	121.88324125466124
252	357	274052	-205281.143	10636597	31.02507666	-39.11964793	101.5287102	283256.8769014845	4399699.54547689	3470.28088	325.947196214372	3143.5302645287106	3107.5634596296239	118.3076910109407	121.88324125466124
253	357	274052	-206221.143	10636597	31.02507666	-39.1196693432527	101.5267856	283457.905	4399656.246531441	3468.6217511090317	324.90174110501403	3143.085898793086	3107.6202113383192	115.65881122705105	121.88324125466124
254	357	274054	-203361.143	10636597	31.02507666	-39.11967178146977	101.5240211	283658.932964752	4399691.138719518	3468.9626203407106	311.1031731767978	3143.09632592256	3107.4672723316723	113.3303711777036	121.88324125466124
255	357	274054	-203091.143	10636597	31.02507666	-39.119671915491	101.5216785	283859.960775553	4399681.331154811	3468.9626203407106	311.1031731767978	3143.09632592256	3107.4672723316723	113.3303711777036	121.88324125466124
256	357	274054	-202571.143	10636597	31.02507666	-39.119672057681	101.5216785	283859.960775553	4399681.331154811	3468.9626203407106	311.1031731767978	3143.09632592256	3107.4672723316723	113.3303711777036	121.88324125466124
257	357	274057	-201981.143	10636597	31.02507666	-39.119719607132625	101.5156484	284262.0154665102	4399678.74162422	3461.2699216056044	324.179411898672	3143.047141067173	3134.9755183136477	108.4381178314961	120.20362585020413
258	357	274058	-201321.143	10636597	31.02507666	-39.119737345	101.5161828	284463.042530761	4399674.70989142	3452.342673566043	324.7445472152663	3135.156871936493	3132.1415477378770	107.5486752787770	120.1133089447621
259	357	274059	-200661.143	10636597	31.02507666	-39.1197474176376	101.5122882	284664.06907476	4399670.67328807	3458.204692017746	324.74178065154	3132.28271244638	3131.591187308543	107.0635911521577	120.0559323039163
260	357	274060	-200001.143	10636597	31.02507666	-39.119760918131	101.5099386	284865.0960411585	4399666.496898774	3458.018813077134	323.920736652437	3132.105690748132	3130.1604953939415	106.7510456824361	109.6597901830225
261	357	274061	-199341.143	10636597	31.02507666	-39.11974856217968	101.5076809	285066.1225039438	4399662.391	3457.79668593781	323.8308411468019	3131.657730584817	3128.814018	106.6781102076128	109.6597901830225
262	357	274062	-198681.143	10636597	31.02507666	-39.1197505781	101.5052919	285268.14501408	4399658.19480438	3457.79668593781	323.8308411468019	3131.657730584817	3128.814018	106.6781102076128	109.6597901830225
263	357	274063	-198021.143	10636597	31.02507666	-39.119801967488095	101.502919	285468.1745705516	4399654.179184063	3455.551582380364	323.5111980173	3128.098577897595	3125.1834540806917	107.1915717383749	120.1076906706229
264	357	274064	-197361.143	10636597	31.02507666	-39.11981553560496	101.5005753	285669.200647058	4399650.07523263	3454.7279017134	323.745266348085	3125.967724	3123.84530535396	107.7775269380512	120.1076906706229
265	357	274065	-196701.143	10636597	31.02507666	-39.11982605857757	101.4982037	285870.226163941	4399645.968557004	3452.904121308851	323.61287662331	3123.691454767267	3121.36471884371	106.9504289657032	120.1076906706229
266	357	274066	-196041.143	10636597	31.02507666	-39.11984253617925	101.4958161	286072.2512559467	4399641.83692977	3451.0805403637587	320.5979925549754	3121.363939749574	3119.15646698395	106.2415930761129	120.1076906706229
267	357	274067	-195381.143	10636597	31.02507666	-39.1198596848503	101.4934816	286272.2767	4399637.75889707	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
268	357	274068	-194721.143	10636597	31.02507666	-39.119876915491	101.4910319	286478.302964752	4399633.82964752	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
269	357	274069	-194061.143	10636597	31.02507666	-39.1198928972116	101.4885254	286684.326403713	4399629.50114204	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
270	357	274070	-193401.143	10636597	31.02507666	-39.1198959383167	101.4865876	286875.3011092275	4399625.461128254	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
271	357	274071	-192741.143	10636597	31.02507666	-39.11990924756074	101.4841632	287076.375319231	4399621.32423538	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
272	357	274072	-192081.143	10636597	31.02507666	-39.11992254058496	101.481816	287277.399438047	4399617.23821368	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
273	357	274073	-191421.143	10636597	31.02507666	-39.11993715118224	101.479474	287478.4230471806	4399613.35950948	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
274	357	274074	-190761.143	10636597	31.02507666	-39.119952057681	101.477184	287680.4076281515	4399609.192691237	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
275	357	274075	-190101.143	10636597	31.02507666	-39.11996179620896	101.474748	287880.4076281515	4399605.32591423	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
276	357	274076	-189441.143	10636597	31.02507666	-39.1199748209451	101.472403	288081.493262972	4399600.82701513	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
277	357	274077	-188781.143	10636597	31.02507666	-39.1199878029532	101.470045	288292.571614048	4399596.74266111	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
278	357	274078	-188121.143	10636597	31.02507666	-39.1200073435044	101.467751	288483.538989376	4399592.62240158	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
279	357	274079	-187461.143	10636597	31.02507666	-39.12003231982	101.465405	288684.56	4399588.20656525	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
280	357	274080	-186801.143	10636597	31.02507666	-39.12005768386	101.463051	288885.5914937	4399584.102611937	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
281	357	274081	-186141.143	10636597	31.02507666	-39.12009264713352	101.460713	289086.6703018672	4399578.31795922	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
282	357	274082	-185481.143	10636597	31.02507666	-39.12005207141352	101.458372	289267.623553946	4399576.21640534	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
283	357	274083	-184821.143	10636597	31.02507666	-39.12006427518982	101.4560281	289485.6152208213	4399572.15481643	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
284	357	274084	-184161.143	10636597	31.02507666	-39.1200737384702	101.453683	289689.6732451284	4399568.015	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
285	357	274085	-183501.143	10636597	31.02507666	-39.1200900454588	101.451338	289890.694765175	4399563.41312033	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
286	357	274086	-182841.143	10636597	31.02507666	-39.120107650768	101.449001	289945.72651284	4399558.71408914	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
287	357	274087	-182181.143	10636597	31.02507666	-39.12011510253604	101.446647	290022.7365254514	4399552.71408914	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
288	357	274088	-181521.143	10636597	31.02507666	-39.12012756383949	101.4443051	290493.7574	4399551.61433047	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
289	357	274089	-180861.143	10636597	31.02507666	-39.120140194037	101.441965	290694.778053567	4399547.51480177	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
290	357	274090	-180201.143	10636597	31.02507666	-39.1201540994527	101.4396159	290895.78495916096	4399543.41525815	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
291	357	274091	-179541.143	10636597	31.02507666	-39.120167515419	101.437271	291096.818569881	4399539.31647761	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
292	357	274092	-178881.143	10636597	31.02507666	-39.1201770505678	101.4348267	291279.8386551357	4399531.27666197	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
293	357	274093	-178221.143	10636597	31.02507666	-39.120187505768	101.432481	291469.8792651284	4399523.62240158	3450.71910909617	322.869102266076	3119.0447167163382	3119.0447167163382	106.2415930761129	120.1076906706229
294	357	27409													

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogs.fg	BRrElevBoth.fg	SatHtElev.fg	SatHtBoth.f
37	371	274177	-122781.1413		1036597.3170250766	39.72105699	-121.2356328	308383.81159917417	349197.6810602274	3234.459592819958	3004.5267958483515	3007.026080816288	3004.8542467599545	47.67254912439694
378	371	274178	-122121.1413		1036597.3170250766	39.7210653271877	-121.2332881	308854.814	349913.50637504	3231.6024241506557	3005.396234659669	3005.396234659669	3005.396234659669	48.2563408612241915
379	371	274179	-121461.1413		1036597.3170250766	39.7210735179636	-121.209434	308765.817154515	349913.50637504	3227.10067578144	3004.493292536967	3003.57477350997	3004.493292536967	47.05615235799967
380	371	274180	-120801.1413		1036597.3170250766	39.721080557394	-121.225898	308966.82048756974	349913.50637504	3210.077842742327	3004.9287871045094	3001.859953213916	3001.0423476433	45.8863239059361
381	371	274181	-120141.1413		1036597.3170250766	39.7210903345481	-121.2262541	309187.8230770931	3499171.368841814	3214.900319526702	3004.401684724357	2999.852014368732	2999.360634695149	44.58863435562313
382	371	274182	-119481.1413		1036597.3170250766	39.721090856	-121.223905	309387.82408432363	3499167.291369109	3208.912719291643	3007.790318139612	2997.4229174792845	44.04999115203054	44.456294448878086
383	371	274183	-118821.1413		1036597.3170250766	39.7211007123309	-121.221546	309589.8276974675	3499163.214209688	3206.43920486316	3039.362198589464	2995.72509465108	2995.2095317071987	44.58863435562313
384	371	274184	-118161.1413		1036597.3170250766	39.721114867713045	-121.2192201	309790.8297287312	3499158.136928575	3207.7780672977	3036.8497353997386	2994.23401574411735	2993.413820487434	47.7532108803371
385	371	274185	-117501.1413		1036597.3170250766	39.7211226499944	-121.168755	309991.8315742138	3499155.90067807	3208.12348913059	3034.542742534046	2991.151022972387	2991.151022972387	43.227860702010426
386	371	274186	-116841.1413		1036597.3170250766	39.7211309991526	-121.145308	310192.83244386	3499150.983424091	3210.465272554096	3031.84171393256	2989.438640245983	2989.706789814784	42.4025337746653
387	371	274187	-116181.1413		1036597.3170250766	39.72113899366523	-121.121861	310383.8370928616	3499146.0077279	3204.396601430511	3029.347991490575	2987.4531362322887	2987.1581951676879	47.18946111882852
388	371	274188	-115521.1413		1036597.3170250766	39.721146945089986	-121.098415	310594.8399910047	3499142.831	3190.904545414596	3026.853304046886	2984.934659039359	2981.063635559544	45.7986639053419
389	371	274189	-114861.1413		1036597.3170250766	39.72115485117895	-121.074968	310795.8371040519	3499138.754042029	3177.420241747769	3024.3848901883025	2984.9160007459463	2981.8650472846134	42.5034119396819
390	371	274190	-114201.1413		1036597.3170250766	39.721162711978714	-121.051251	310996.830246191	3499130.6379	3163.932175051458	3021.8921726240555	2985.0868945427735	2983.900140459179	40.9407261
391	371	274191	-113541.1413		1036597.3170250766	39.7211702748065	-121.028079	311197.836762336	3499139.603794764	3153.76876084612	3019.425036222627	2983.096070656179	2979.247125309855	40.947905140717
392	371	274192	-112881.1413		1036597.3170250766	39.72117829785458	-121.004628	311398.83931187546	3499156.238375324	3146.933089226972	3016.9677361651197	2981.484029108396	2978.509234840685	38.4585128105121
393	371	274193	-112221.1413		1036597.3170250766	39.72118602259503	-119.981181	311599.8396794883	3499122.454	3140.091412396342	3014.8209616014713	2980.635264832712	2976.114102226473	33.88596686759465
394	371	274194	-111561.1413		1036597.3170250766	39.72119302194545	-119.957735	311800.8366328694	3499118.738429739	3133.252735511892	3012.0853918930282	2979.686036950346	2973.516341345282	33.40650534780099
395	371	274195	-110901.1413		1036597.3170250766	39.72120133650383	-119.934288	312001.8386347415	3499114.304300504	3124.084888667606	3009.661736201479	2978.676151307345	2975.76714060977	33.8859221
396	371	274196	-110241.1413		1036597.3170250766	39.721208025520216	-119.910841	312202.83680625027	3499110.230025615	3112.4796918332673	3007.2503513931033	2977.4236013126283	2975.2870042773975	31.96334712
397	371	274197	-109581.1413		1036597.3170250766	39.7212164923404	-118.887394	312403.8393132955	3499110.565010074	3001.910550010434	3004.851502297784	2976.42030906699	2974.699609989572	30.15181139821425
398	371	274198	-108921.1413		1036597.3170250766	39.721223674497	-118.86348	312604.837644135	3499102.062	3085.341418162115	2974.4230118530345	2974.4230118530345	2974.4230118530345	28.04371706500221
399	371	274199	-108261.1413		1036597.3170250766	39.72123149167424	-118.84075	312816.839863311	3499108.08833121	3027.3227442576	2996.321885238199	2982.07837245918	2981.07837245918	28.0081230761431
400	371	274200	-107601.1413		1036597.3170250766	39.72123882586976	-118.817504	313006.8371120265	3499103.95297575	3070.301893185165	2994.767559613344	2984.76400985006	2970.041425118232	28.98266059328555
401	371	274201	-106941.1413		1036597.3170250766	39.72124611910842	-118.793608	313207.8300262079	3499108.962719452	3078.850464987445	2995.4162371729307	2984.903648286187	2985.6521060897916	29.51281985311996
402	371	274202	-106281.1413		1036597.3170250766	39.721253508331735	-118.770161	313408.8347409387	3499105.78332768	3067.9679110871037	2993.1057427009573	2980.91308222346	2981.99319930091	31.92266041861147
403	371	274203	-105621.1413		1036597.3170250766	39.721258078	-118.747614	313609.8332796484	3499108.793311	3065.489745007727	2990.871607825794	2987.101545773556	2986.61407872302	31.70317615009237
404	371	274204	-104961.1413		1036597.3170250766	39.7212680083605	-118.723267	313810.831366025	3499107.744	3044.415967655144	2988.555155053223	2983.38661376411	2983.38661376411	31.84140770969384
405	371	274205	-104301.1413		1036597.3170250766	39.72127519821278	-118.699821	314011.8328120048	3499107.669621	3027.3227442576	2996.321885238199	2982.07837245918	2981.07837245918	30.8081230761431
406	371	274206	-103641.1413		1036597.3170250766	39.721282744342	-118.673734	314218.832960305	3499100.00228243	3020.268410251089	2994.767559613344	2984.76400985006	2970.041425118232	35.3022366761845
407	371	274207	-102981.1413		1036597.3170250766	39.72128941	-118.652927	314413.8256189838	3499105.4240627	2993.864101258215	2981.979060882673	2984.505503184025	2984.32739953045	35.4735256427045
408	371	274208	-102321.1413		1036597.3170250766	39.7212964604101	-118.62948	314614.8326195779	3499101.357088395	2986.129012057499	2979.879002725676	2984.370384101212	2983.875191161541	35.27226111010272
409	371	274209	-101661.1413		1036597.3170250766	39.7213036054617	-118.606034	314815.82070223504	3499105.28571546	3002.3940059891765	2997.914254770648	2984.97889728365	2984.97889728365	37.80831105747802
410	371	274210	-101001.1413		1036597.3170250766	39.72131014538395	-118.582587	315016.817972908	3499103.14908068	3006.659992055	2976.040857003345	2983.9284263485175	2983.9284263485175	31.1736931581707
411	371	274211	-100341.1413		1036597.3170250766	39.7213172425349	-118.559914	315217.8150536101	3499104.1443956	3014.87975068368	2974.406832715575	2986.32195108859	2985.89102130913	35.2630226252167
412	371	274212	-99681.1413		1036597.3170250766	39.72132418916475	-118.536765	315418.8187137354	3499105.07833119	3027.3227442576	2996.321885238199	2982.07837245918	2981.07837245918	30.8081230761431
413	371	274213	-99021.1413		1036597.3170250766	39.72133108100773	-118.512246	315619.80877041569	3499104.0033787	3019.425036222627	2994.767559613344	2984.76400985006	2970.041425118232	35.0546401992873
414	371	274214	-98361.1413		1036597.3170250766	39.72133778175243	-118.4888	315820.805254856	3499106.933371175	3052.046311144389	3010.709696831324	2981.87107457895	2980.050626	35.7257592342902
415	371	274215	-97701.1413		1036597.3170250766	39.72134451009884	-118.465333	316021.80162612686	3499106.863312975	3053.95468581771	2969.613219937301	2982.3626186125	2982.3626186125	37.908290328378985
416	371	274216	-97041.1413		1036597.3170250766	39.721351193150205	-118.441906	316222.79917797273	3499102.73943153	3047.3329168051464	2984.9694502150287	2980.2643140709115	2982.3626186125	41.75571322383621
417	371	274217	-96381.1413		1036597.3170250766	39.72135819307676	-118.418459	316423.7939030782	3499102.73943153	3085.0771477925674	2987.83738592768	2982.86602760816	2982.86602760816	42.4811813953357
418	371	274218	-95721.1413		1036597.3170250766	39.7213644233349	-118.395012	316624.789746938	3499102.6558037	3067.032621813431	2987.11282546594	2981.47103526053804	2981.47103526053804	43.0698975898624
419	371	274219	-95061.1413		1036597.3170250766	39.7213709704034	-118.371845	316825.8307613571	3499102.6558037	3050.47836913571	2986.19436913571	2985.89102130913	2985.89102130913	43.0698975898624
420	371	274220	-94401.1413		1036597.3170250766	39.7213774275898	-118.348119	317026.7808971348	3499101.15816918	3099.19393519656	2992.45428274657	2982.1715383047	2982.1715383047	43.705373553714
421	371	274221	-93741.1413		1036597.3170250766	39.72138328915245	-118.324672	317227.7761973734	3499104.4962388	3079.87990322746	2984.86662151503	2982.7496724544226	2982.7496724544226	44.549479660417
422	371	274222	-93081.1413		1036597.3170250766	39.721390340171	-118.301225	317428.7113733693	3499104.36146327	3066.50446823044	2984.253810616765	2982.367484589705	2981.044634812155	45.2091830605401
423	371	274223	-92421.1413		1036597.3170250766	39.72139670613258	-118.277778	317629.762591267	3499103.3154304	3100.330396595296	2983.660158917446	2981.18341960393	2981.18341960393	43.8

ix	iy	Xc	Yc	Latitude	Longitude	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtKgr.f		
503	371	274303	-39621.14133	1036597.3170250766	39.721759215112634	-100.9400221	333708.803403891	439875.6412628535	2980.8043779913705	2883.04985628496	2852.3074659866134	2853.8926990136383	20.742930188255	29.1571671248575
504	371	274304	-39661.14133	1036597.3170250766	39.721761186784	-100.9378754	333908.7851626579	4398671.592	2981.996972055565	2887.332737133374	2851.383130669417	2852.413074432257	29.94960706432257	28.91529640039774
505	371	274305	-39801.14133	1036597.3170250766	39.7217648332382	-100.9365127	334110.7662443404	4398687.544	2983.1826611967403	2891.6145371021987	2849.96868977496	29.82834652536374	28.98074893444606	28.98074893444606
506	371	274306	-39661.14133	1036597.3170250766	39.7217671694802	-100.933168	334311.7471252639	4398683.495284938	2983.386101813953	2877.905142646415	2848.7215112102306	2849.2106013981064	28.78649128947517	28.6949128947517
507	371	274307	-39691.14133	1036597.3170250766	39.72176970338636	-100.9308233	334512.7278655701	4398669.447094756	2984.0568115250136	2876.21381389883	2847.242890969925	2847.6851977455117	28.879109041995781	28.5287638494371288
508	371	274308	-39621.14133	1036597.3170250766	39.7217724589728	-100.9284786	334713.7084455593	4398674.39911918	2984.0568115250136	2876.21381389883	2847.242890969925	2847.6851977455117	28.879109041995781	28.5287638494371288
509	371	274309	-39661.14133	1036597.3170250766	39.7217741615679	-100.9261339	334914.6888654402	4398651.351	2984.0568115250136	2876.21381389883	2847.242890969925	2847.6851977455117	28.879109041995781	28.5287638494371288
510	371	274310	-39601.14133	1036597.3170250766	39.72177741117165	-100.9232782	335115.669125474	4398674.39911918	2984.0568115250136	2876.21381389883	2847.242890969925	2847.6851977455117	28.879109041995781	28.5287638494371288
511	371	274311	-39431.14133	1036597.3170250766	39.721780277683	-100.9214446	335316.6492578067	4398674.39911918	2984.0568115250136	2876.21381389883	2847.242890969925	2847.6851977455117	28.879109041995781	28.5287638494371288
512	371	274312	-33681.14133	1036597.3170250766	39.7217855140385	-100.919097	335517.6216648353	4398639.209561868	2987.464504253862	2868.215474278025	2839.243691	2839.243691	28.7248652933707	28.7248652933707
513	371	274313	-33021.14133	1036597.3170250766	39.7217884420325	-100.916755	335718.608478953	4398635.126878386	2987.464504253862	2868.215474278025	2839.243691	2839.243691	28.7248652933707	28.7248652933707
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548	371	274348	-9921.141327	1036597.3170250766										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThnBoth.ft
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663	371	27463	65978.8586770335	3065997.3170250766	39.7216144898345	-100.5650488	365883.8905182572	3480909.796176455	2788.605497799023	2618.625136324945	2635.986807825405	2636.301316364472	2618.625136324945	2635.986807825405	0
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665	371	27465	67298.8586770335	3065997.3170250766	39.721605342371674	-100.5603594	366326.85658089	3480909.77362491	2798.78156993476	2619.25007895454	2638.898387210795	2636.301316364472	2619.25007895454	2638.898387210795	0
666	371	27466	67958.8586770335	3065997.3170250766	39.72160070602094	-100.5580147	366546.7647143776	3480909.76455919	2784.367005072202	2619.61448304734	2626.770239061618	2627.28252639476	2619.61448304734	2626.770239061618	0
667	371	27467	68618.8586770335	3065997.3170250766	39.7215960136573	-100.55567	366767.72245368	3480909.751682043	2778.67463891484	2620.0968048426	2623.6041934754994	2624.187348784515	2620.0968048426	2623.6041934754994	0
668	371	27468	69278.8586770335	3065997.3170250766	39.72159128134654	-100.5532523	366988.68090901275	3480909.7411301	2780.7602605785	2620.432652769564	2620.267607	2621.155832	2620.432652769564	2620.267607	0
669	371	27469	69938.8586770335	3065997.3170250766	39.72158650374057	-100.5509806	367069.6374655126	3480909.73038988	2786.73058406095	2620.8797578572	2617.094134446405	2618.021669838014	2620.8797578572	2617.094134446405	0
670	371	27470	70598.8586770335	3065997.3170250766	39.72158160835776	-100.548365	367270.5947950175	3480909.72079186	2788.758541430673	2621.374625725515	2613.9747240209795	2613.9747240209795	2621.374625725515		

id	ic	X.0	Y.0	Latitude	Longitude	UTM.X	UTM.Y	Surface.T	W.L.	BREI.Legs.Kg	BREI.Belt.Kg	Sat.Legs.Kg	Sat.Belt.Kg	
17	372	274555	-361701.1413	37.72573170250766	37.1685148351655	-102.0843734	23510.92254631256	400078.0007749197	37.00363427205036	347.31312044418522	3497.381526577622	3497.389898	3443.9697647420216	44.361312424
17	372	274556	-361001.140413	37.72573170250766	37.1687628456285	-102.0829291	235812.00607	400078.63616365	37.01937528739170	353.786491578589	3495.091294032695	3495.444964793205	44.27736217531947	34.12626060226846
17	372	274557	-360301.141413	37.72573170250766	37.1691040032186	-102.0862497	236013.09051955712	400078.671818995	369.8338710261303	357.845032	3493.70915401628	3493.646164479174	44.13610464479174	44.13142260930408
18	372	274558	-359721.1413	37.72573170250766	37.1692575	-102.0773044	236214.711439486	400068.507714749	369.378991729435	353.9068714458336	3491.828668321294	3491.853211443807	44.02040459254476	44.05365998
19	372	274559	-359061.140613	37.72573170250766	37.1695041997775	-102.0749861	236514.25744712796	400068.434884171	369.789258101033	353.931714125326	3492.31140070024	3492.31140070024	44.001526407147	44.053701760478955
20	372	274560	-358301.140613	37.72573170250766	37.169757047565	-102.0725812	236814.3574002317	400068.36302317	369.693810169626	353.853124125326	3492.31140070024	3492.31140070024	44.001526407147	44.053701760478955
21	372	274561	-357741.147413	37.72573170250766	37.1699961048381	-102.0703074	23817.4233306758	400068.1683085	367.1842491856994	352.100200502905	3487.009745	3487.0097459277004	44.032405560555	44.03487125509098
22	372	274562	-357081.1413	37.72573170250766	37.1702413980553	-102.0679631	23913.5058814858	400085.185679316	365.3817519589726	352.166919771436	3486.159291926527	3486.159291926527	44.0460858766163	44.0473154003397
23	372	274563	-356421.1413	37.72573170250766	37.1704828389635	-102.0656187	23719.5881718542	400084.681	364.98175621495	352.2263340270514	3484.1762503207454	3484.1762503207454	44.0510909	44.0517046283903
24	372	274564	-355761.1413	37.72573170250766	37.1707306253163	-102.0632744	237420.6702007172	400083.52809328	363.90040517539564	352.48077521212	3482.975025760424	3482.975025760424	44.07391451469525	44.0739254662521
25	372	274565	-355011.1413	37.72573170250766	37.1709745601263	-102.06093	237621.7519272163	400083.365685021	363.1017467587187	3481.3627080399037	3481.880063187892	3481.880063187892	44.0644845128293	44.0644845128293
26	372	274566	-354261.1413	37.72573170250766	37.171222047376	-102.0586213	237821.4525207471	400083.365685021	363.1017467587187	3481.3627080399037	3481.880063187892	3481.880063187892	44.0644845128293	44.0644845128293
27	372	274567	-353781.1413	37.72573170250766	37.17146107092946	-102.056943	238023.914733713	400083.410190394	363.1017467587187	3481.3627080399037	3481.880063187892	3481.880063187892	44.0644845128293	44.0644845128293
28	372	274568	-353121.1413	37.72573170250766	37.1717034694645	-102.0553897	238224.9957228046	400082.8793782394	364.1948873109344	352.1639303892914	3479.4590458527947	3479.4590458527947	44.0248512799478	44.0248512799478
29	372	274569	-352461.1413	37.72573170250766	37.1719457170021	-102.0515526	238426.076457004	400082	364.1948873109344	352.1639303892914	3479.4590458527947	3479.4590458527947	44.0248512799478	44.0248512799478
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31	372	274571	-351141.1413	37.72573170250766	37.1724886576546	-102.0469839	238828.2324588472	400081.443699788	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
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33	372	274573	-349821.1413	37.72573170250766	37.17329073396504	-102.0421572	239230.36980077	400081.443699788	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
34	372	274574	-349161.1413	37.72573170250766	37.17371496	-102.0398308	239431.4763375007	400081.443699788	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
35	372	274575	-348501.1413	37.72573170250766	37.173898981123	-102.0374865	239632.5555216793	400079.754	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
36	372	274576	-347841.1413	37.72573170250766	37.1736279161028	-102.0351421	239833.6344855612	400079.754	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
37	372	274577	-347181.1413	37.72573170250766	37.1738986051496	-102.0329777	240034.7311254328	400079.43043524	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
38	372	274578	-346521.1413	37.72573170250766	37.17410449819546	-102.0304534	240235.791919438	400079.43043524	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
39	372	274579	-345861.1413	37.72573170250766	37.1743199233343	-102.0281765	240436.9279236374	400079.43043524	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
40	372	274580	-345201.1413	37.72573170250766	37.1745370233343	-102.0257463	240637.9475697095	400079.43043524	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
41	372	274581	-344541.1413	37.72573170250766	37.17481922232765	-102.0234023	240839.0520288174	400079.7912441	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
42	372	274582	-343881.1413	37.72573170250766	37.17505215739365	-102.0210759	241041.1025908906	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
43	372	274583	-343221.1413	37.72573170250766	37.175287940587	-102.0187314	241241.1797	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
44	372	274584	-342561.1413	37.72573170250766	37.175523740568	-102.0163872	241442.266589388	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
45	372	274585	-341901.1413	37.72573170250766	37.175762349196	-102.0140872	241643.36980077	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
46	372	274586	-341241.1413	37.72573170250766	37.175992571456	-102.0118694	241844.9505960302	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
47	372	274587	-340581.1413	37.72573170250766	37.1762265	-102.009354	242045.866271653	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
48	372	274588	-339921.1413	37.72573170250766	37.1764600690774	-102.0070906	242246.551506876	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
49	372	274589	-339261.1413	37.72573170250766	37.1766931	-102.0046653	242447.637103495	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
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51	372	274591	-337941.1413	37.72573170250766	37.1771582090977	-101.9999721	242849.822590977	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
52	372	274592	-337281.1413	37.72573170250766	37.1773895020904	-101.9976321	243050.862540932	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
53	372	274593	-336621.1413	37.72573170250766	37.1776208905094	-101.9952877	243251.3682898098	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
54	372	274594	-335961.1413	37.72573170250766	37.1778516604904	-101.9929343	243453.0112498342	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
55	372	274595	-335301.1413	37.72573170250766	37.17808260081137	-101.9905989	243654.0853170182	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
56	372	274596	-334641.1413	37.72573170250766	37.17831190326524	-101.9882545	243855.1591305682	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
57	372	274597	-333981.1413	37.72573170250766	37.17854233982612	-101.9859141	244056.2289809774	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
58	372	274598	-333321.1413	37.72573170250766	37.17877033495623	-101.9835677	244257.3059978043	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
59	372	274599	-332661.1413	37.72573170250766	37.178998714526	-101.9812123	244458.3705189896	400079.6472911	361.765702021615	352.252259	3476.17736623098	3476.17736623098	44.0512989723394	44.0512989723394
60	372	274600	-332001.1413	37.72573170250766	37.179226955052	-101.9788769	244659.4518325467	400079.6472911	361.765702021615	352.252259	3476.177366230			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
131	372	274681	-278541.1413	37.192573	37.025076	36.71961976	-171.788976	405695.5286	4400358.139862481	3481.6036603828097	3268.008876154464	3298.4205914050076	3298.5777904008614	63.43109721458495
142	372	274682	-277881.1413	37.192573	37.025076	36.7196385754926	-171.788613	26114658136021948	4400354.505284695	3480.2932563572523	3361.968414886699	3297.37541891723	3297.533063651095	64.33430852158867
143	372	274683	-277221.1413	37.192573	37.025076	36.7196790675789	-171.784268	261347397806938497	4400349.6700445474	3480.0634648115217	3361.713519874581	3296.62598334942	3296.92658719673	65.12716364394903
144	372	274684	-276561.1413	37.192573	37.025076	36.7196761068616	-171.781264	26154368622115495	4400345.73624116	3480.0042695192583	3361.534699175573	3295.7628441190602	3295.727136336044	65.7800556
145	372	274685	-275901.1413	37.192573	37.025076	36.71966589828567	-171.7795979	2617493782825374	4400341.60273304	3480.91511206484	3361.34274276694	3295.0406274722	3294.933469971234	66.3057380242196
146	372	274686	-275241.1413	37.192573	37.025076	36.71971478	-171.772534	261950.7901233367	4400337.469935073	3480.525934136238	3361.122190300213	3294.306248721216	3294.1850645280967	66.43340220528046
147	372	274687	-274581.1413	37.192573	37.025076	36.71974564042326	-171.7749089	2621518471266533	4400333.356960505	3480.265105370334	3360.8624025430927	3293.5593720560364	3293.45131179017	67.30330340870528
148	372	274688	-273921.1413	37.192573	37.025076	36.71975247	-171.772564	262322.8931	4400329.202808701	3480.998478613073	3360.564796419564	3292.8290507253787	3292.753259333	67.745746942154
149	372	274689	-273261.1413	37.192573	37.025076	36.7197525087578	-171.770218	262553.9472297626	4400325.07	3478.646912742733	3359.074511101357	3292.561899327554	3292.643633050894	67.8553986279817
150	372	274690	-272601.1413	37.192573	37.025076	36.71978996296835	-171.7674753	262754.95190320224	4400319.537217751	3468.9551724433	3359.437067192481	3293.05265578730	3293.4252739434	68.3948314
151	372	274691	-271941.1413	37.192573	37.025076	36.71980868491136	-171.7655308	262956.045796303	4400316.804778889	3468.653282858014564	3359.4305921304564	3290.3405921304564	3290.153803981362	69.0842677000007
152	372	274692	-271281.1413	37.192573	37.025076	36.7198273114084	-171.7631863	263157.0962	4400312.672572265	3477.570478965467	3358.95744202929	3288.29455663275	3288.891336455005	70.18130574752855
153	372	274693	-270621.1413	37.192573	37.025076	36.71984590768272	-171.7608418	263358.146427837	4400308.540613354	3488.4854827473558	3358.781441488567	3288.49114358797	69.62106778618549	69.9524391595659
154	372	274694	-269961.1413	37.192573	37.025076	36.7198644566391	-171.7584972	263559.194	4400304.40888706	3490.404811668315	3357.8874677670024	3288.24567079522	3288.204804	69.6423967
155	372	274695	-269301.1413	37.192573	37.025076	36.71986724535202	-171.7561527	263760.2461260486	4400300.271398532	3507.287993706284	3287.421814	3287.421814	69.66617964150374	69.7029187
156	372	274696	-268641.1413	37.192573	37.025076	36.71990140474696	-171.7538082	263961.295256736	4400296.146147205	3499.61201008584	3356.644685144145	3286.38562629097	3286.1797045207716	70.2588903237378
157	372	274697	-267981.1413	37.192573	37.025076	36.7199183884878	-171.7514367	264162.3448925658	4400292.015133627	3498.112037319328	3355.959850128107	3284.961798728962	3285.362559895067	70.59612638485
158	372	274698	-267321.1413	37.192573	37.025076	36.7199302965371	-171.7491191	264363.3932699304	4400287.88457393	3492.614164778925	3352.668635248	3283.399203669743	3283.686816942406	71.8339314927388
159	372	274699	-266661.1413	37.192573	37.025076	36.719956534172645	-171.7467746	264564.4427291021	4400283.736231611	3490.094512770436	3353.467935815216	3283.1207174280013	3282.67422	72.747638712024
160	372	274700	-266001.1413	37.192573	37.025076	36.71997481340375	-171.744301	264765.49130997073	4400278.958161133	3488.5611871171305	3352.667230007687	3279.957841178716	3281.266590595341	73.7093882891414
161	372	274701	-265341.1413	37.192573	37.025076	36.71999034732444	-171.742085	264966.5393718756	4400275.49452699	3487.027851	3352.8334731046035	3277.990882318705	3278.739737897084	74.8245549
162	372	274702	-264681.1413	37.192573	37.025076	36.72001123599776	-171.739741	265167.5874343636	4400271.36363811	3485.4945197245226	3351.9686047135906	3276.074914908131	3276.9314064070243	75.73951040070243
163	372	274703	-264021.1413	37.192573	37.025076	36.72003172930975	-171.738174	265382.9473818596	4400267.234038436	3487.4550117298275	3351.9304941478304	3275.84345287104	3275.84345287104	76.785263510987
164	372	274704	-263361.1413	37.192573	37.025076	36.72004747735528	-171.7350519	265569.838236252	4400263.104687571	3481.4580223728947	3350.1579625409	3275.481125058137	3275.481125058137	77.67567114935547
165	372	274705	-262701.1413	37.192573	37.025076	36.720065573013345	-171.7327074	265770.7307746795	4400258.58754206	3479.321347286580	3349.222344728233	3275.87668700825	3272.4720912067585	77.76520730714803
166	372	274706	-262041.1413	37.192573	37.025076	36.72008335737492	-171.7303628	265971.77795673	4400254.84669834	3477.16125	3348.272849534663	3268.8294126513406	3274.67425621492	78.434368332219
167	372	274707	-261381.1413	37.192573	37.025076	36.720101499742974	-171.7280183	266172.82490792405	4400251.781095905	3476.8251465757983	3347.3120574671316	3267.08155304628	3265.5608959129603	80.2305044
168	372	274708	-260721.1413	37.192573	37.025076	36.72011941661745	-171.7256738	266373.8716263507	4400246.589990943	3478.3972037836	3346.341863301843	3265.518040499351	3264.2254427021663	80.82326358190183
169	372	274709	-260061.1413	37.192573	37.025076	36.720137228819833	-171.7234724	266574.9181191063	4400242.614895607	3479.94171298275	3345.93172868806	3265.38266717629	3265.38266717629	81.83288955117455
170	372	274710	-259401.1413	37.192573	37.025076	36.7201551446857	-171.7208471	266775.7379519	4400238.13335694	3479.3479945791387	3344.7379945791387	3264.3170846285983	3264.3170846285983	82.1432159678
171	372	274711	-258741.1413	37.192573	37.025076	36.7201798547918	-171.7186401	266977.0104101775	4400234.205881121	3482.583052	3343.28392704438	3260.5864235349635	3254.941231148717	82.9657181
172	372	274712	-258081.1413	37.192573	37.025076	36.72019063117905	-171.7162596	267178.0562118617	4400230.78403051	3483.3236811614753	3342.3822098731534	3258.78482228888	3251.8042957469203	83.1179159262319
173	372	274713	-257421.1413	37.192573	37.025076	36.72020832158518	-171.713951	267379.101782787	4400225.951216242	3483.882311	3341.3746258117906	3256.959563160542	3252.606819192856	84.14506245124854
174	372	274714	-256761.1413	37.192573	37.025076	36.7202259666755	-171.7116065	267580.14712519617	4400212.82420288	3484.5319399962655	3340.36106	3255.423998695016	3252.769301057145	84.3930731028182
175	372	274715	-256101.1413	37.192573	37.025076	36.72024356651617	-171.7092919	267781.1922388582	4400217.68750144	3485.7231037149604	3339.3383996991677	3253.8508757561835	3251.6271406389188	85.4875133038718
176	372	274716	-255441.1413	37.192573	37.025076	36.72026112722323	-171.708174	267982.2371232323	4400212.571100108	3487.4550117298275	3351.9304941478304	3275.84345287104	3275.84345287104	86.785263510987
177	372	274717	-254781.1413	37.192573	37.025076	36.72027863277169	-171.7054728	268183.28177827327	4400209.45	3488.18489549514	3337.27498267521	3250.92971754422	3250.92971754422	87.785263510987
178	372	274718	-254121.1413	37.192573	37.025076	36.7202960420865	-171.7022283	268384.32060848	4400205.31790634	3490.92117774947	3336.225041	3248.5316073580298	3247.7633506034114	87.9694339493025
179	372	274719	-253461.1413	37.192573	37.025076	36.72031351285165	-171.6998837	268585.3704063692	4400201.192920491	3491.116397	3335.1690286116254	3246.765679925287	3246.300675992528	88.4616466
180	372	274720	-252801.1413	37.192573	37.025076	36.72033088620064	-171.6975392	268786.4143777908	4400197.067387365	3493.74096328316	3334.105737472126	3245.0025875872684	3245.88112469777	89.1034618694424
181	372	274721	-252141.1413	37.192573	37.025076	36.72034821425569	-171.6951946	268987.45812165225	4400192.402504362	3488.4317995230462	3334.033702244241	3243.5389579594995	3243.5389579594995	89.49346744874143
182	372	274722	-251481.1413	37.192573	37.025076	36.72036546701668	-171.692801	269188.5015736848	4400188.816877365	3487.08495790014	3331.961277989883	3241.512867205084	3241.512867205084	90.481649404791
183	372	274723	-250821.1413	37.192573	37.025076	36.7203829587616	-171.690481	269390.061979616	4400184.58733623	3485.6849417928481	3330.4849417928481	3240.4849417928481	3240.4849417928481	91.05437817846017
184	372	274724	-250161.1413	37.192573	37.025076	36.7203999652635	-171.6881609	269590.5874894055	4400180.56735448	3486.117192468518	3329.75610820198	3237.724693305283	3237.724693305283	92.0285118
185	372	274725	-249501.1413	37.192573	37.025076	36.720417073534996	-171.6858164	269791.6308225994	4400176.43	3486.076434181	3328.645065932085	3235.598328031024	3234.668113	93.0467351010614
186	372	274726	-248841.1413	37.192573	37.025076	36.72043417511944	-171.6834718	269992.62334313322	4400172.319042929	3485.843362555909	3327.5264795191	3233.71913010908	3230.6906371732613	93.800573485
187	372	274727	-248181.1413	37.192573	37.025076	36.7204512340972	-171.6811273	270193.758112882	4400168.195	3484.604773089673	3326.388532751767	3321.6007257171445	3230.789066583219	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBotKgr.f	SatHtLog.f	SatHtBot.f
267	372	274807	-19581.1413		37.72573170250766	37.216897863046	-01.4935589	2862.763909514525	43998.39.052	3449.9320542831874	3117.3989121507498	3116.11268522224294	110.7599876303484	112.0720145870518
268	372	274808	-194741.1413		37.72573170250766	37.2168523696767	-01.4912143	2864.774156112141	43998.34.7033697	3447.7883154820056	3115.108997818036	3114.062611593302	111.4358526460964	112.4820691
269	372	274809	-194061.1413		37.72573170250766	37.216867930456	-01.4881689	2866.784401234292	43998.30.4035987	3445.945457668925	3114.978345981515	3112.75204809112	111.0441098830076	112.1183815080394
270	372	274810	-193401.1413		37.72573170250766	37.2170900481216	-01.486525	2868.74504422434626	43998.26.739	3443.500378796438	3112.7778302432	3112.337925843025	110.9413739524113	111.2574557389321
271	372	274811	-192741.1413		37.72573170250766	37.21722256279406	-01.4841803	2870.88048514626237	43998.22.635	3442.045592277201	3121.457167840833	3121.981117531266	111.034170665154	110.2837521756833
272	372	274812	-192081.1413		37.72573170250766	37.2173546244993	-01.4818357	2872.811523960487	43998.18.5312417	3441.2453083234925	3112.532307258011	3111.66442011599	107.1924279804813	106.75420323269345
273	372	274813	-191421.1413		37.72573170250766	37.217486232374	-01.479491	2874.82580489013565	43998.14.6175957	3440.465708742791	3111.9666202331778	3110.946302861363	106.93022631147	106.4841479309263
274	372	274814	-190761.1413		37.72573170250766	37.21761738900774	-01.4771464	2876.8355993362345	43998.10.3244428	3438.666335045587	3116.228526810754	3111.298687	106.923703734546	107.152744898903803
275	372	274815	-190101.1413		37.72573170250766	37.2177480918103	-01.4748017	2878.845627897537	43998.06.21309554	3436.6363816422306	3114.47187820498	3110.557982740516	106.8894647770684	106.5817231727978
276	372	274816	-189441.1413		37.72573170250766	37.21787341544495	-01.4724517	2880.8505763372057	43998.02.119	3435.12572702255	3112.71261010183	3109.672173495747	106.4230366030076	107.128237735757185
277	372	274817	-188781.1413		37.72573170250766	37.2180081385111	-01.4701124	2882.8626877657	43998.07.1594972	3436.086123	3110.94532858454	3108.082034816436	106.818561012786	107.106737158566831
278	372	274818	-188121.1413		37.72573170250766	37.2182137482307	-01.4677678	2884.8746513	43997.93.91624784	3434.81098526214	3109.1987382906646	3108.299954213957	106.8987840706707	107.0486296848130
279	372	274819	-187461.1413		37.72573170250766	37.2183626733371	-01.4654231	2886.88737348231	43997.89.81536451	3432.970373834931	3107.4246001744346	3108.55647259202924	106.8793326486723	106.87800590190483
280	372	274820	-186801.1413		37.72573170250766	37.2183948112968	-01.4630785	2888.8969525296	43997.85.70984734	3430.56428182487	3105.693175349187	3108.201248	106.8991240484377	107.0190349082074
281	372	274821	-186141.1413		37.72573170250766	37.2185228	-01.4607338	2890.90177625256	43997.81.608989623	3428.1561881067	3106.3465322137715	3106.802806634977	106.871460307	106.7352038295049
282	372	274822	-185481.1413		37.72573170250766	37.218650238705	-01.4583392	2892.917397659747	43997.77.50698116	3426.752095798838	3102.204087	3106.169726595066	106.8548748169185	106.8340959
283	372	274823	-184821.1413		37.72573170250766	37.2187770735856	-01.4560445	2894.921673626746	43997.73.4055491963	3423.2389545823796	3108.448190815533	3105.60821	106.903481876327	106.8599810950317
284	372	274824	-184161.1413		37.72573170250766	37.218904334392	-01.4536999	2896.9378257277	43997.69.405431962	3420.618754539706	3108.735456396748	3105.1402236645557	106.9037651327106	106.8209140962575
285	372	274825	-183501.1413		37.72573170250766	37.219030206548	-01.4513552	2898.948033677263	43997.65.203957107	3417.998575445333	3107.007080250564	3104.7943693	106.8519783262402	106.8233845445654
286	372	274826	-182841.1413		37.72573170250766	37.219152566896	-01.449105	2900.95428491458603	43997.61.10324916	3415.37836324915	3195.287031559334	3104.577303038844	106.80810216183427	106.706400117089204
287	372	274827	-182181.1413		37.72573170250766	37.2192811935856	-01.4466569	2902.964856865172	43997.53.3034728	3413.050837165946	3113.6569267596715	3105.692525520493	106.821266909231	106.87343724
288	372	274828	-181521.1413		37.72573170250766	37.219406001185	-01.4443212	2904.967865570016	43997.45.0336717	3410.966679186838	3191.85320722685	3104.713302502914	106.862139330216	106.7572889005277
289	372	274829	-180861.1413		37.72573170250766	37.21953082344	-01.4416815	2906.98731348656	43997.40.83983496	3408.6457201907	3189.758429101889	3107.64012055407	106.826345207527	106.787932955512
290	372	274830	-180201.1413		37.72573170250766	37.2196547755996	-01.4396319	2908.99508690106	43997.34.70147764	3406.8353623333	3185.48597542457	3094.958076842196	106.84834187626625	106.8452089305217
291	372	274831	-179541.1413		37.72573170250766	37.219777328829	-01.4372872	2911.0019268194757	43997.30.604828176	3405.11983837141	3186.757285294	3092.209096169146	106.8429752976123	106.84268869
292	372	274832	-178881.1413		37.72573170250766	37.219907351941	-01.4349426	2913.01346650912	43997.26.505915232	3402.3834326431	3185.051420367562	3089.342496216212	106.8562297548736	106.7225465205441
293	372	274833	-178221.1413		37.72573170250766	37.2200232485328	-01.4325979	2915.022961060887	43997.22.40173878	3400.38905157223	3184.3684900498343	3086.353791226403	106.8556082958319	106.7029882334553
294	372	274834	-177561.1413		37.72573170250766	37.220145380892	-01.4302533	2917.0319854	43997.28.739	3401.023413051013	3181.7171871096834	3082.954658462582	106.807455670848	106.76252866
295	372	274835	-176901.1413		37.72573170250766	37.220260429228	-01.4278915	2919.05504574947	43997.24.2105441	3398.118021525824	3180.591135198257	3082.6108632018	106.826859504118	106.72686586
296	372	274836	-176241.1413		37.72573170250766	37.22031108447132	-01.4256392	2921.061025031185	43997.20.11228496	3397.6727777782677	3178.41710721052	3071.63750949471	106.801435309545	106.73973255512
297	372	274837	-175581.1413		37.72573170250766	37.220508921606	-01.4232193	2923.074022746866	43997.16.014398035	3389.22743427907	3176.778050151891	3086.256113299916	106.81581167288205	106.7519369219488
298	372	274838	-174921.1413		37.72573170250766	37.2206292363405	-01.4208746	2925.087607484991	43997.11.916804408	3387.474019791546	3175.1520646395234	3085.60763082339782	106.8054639552343	111.491719009412429
299	372	274839	-174261.1413		37.72573170250766	37.220749081348	-01.4185299	2927.09709565941	43997.07.81465265	3381.016102426305	3173.535648561646	3082.1982660321503	106.8068629169633	111.3427873920459
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301	372	274841	-172941.1413		37.72573170250766	37.22098732721344	-01.4139016	2931.1159914343	43999.65.6240486	3374.85425522038	3170.3312976152747	3088.195643024595	106.8041152587016	106.75459835116
302	372	274842	-172281.1413		37.72573170250766	37.221102849374	-01.4114659	2933.1327389955	43999.61.30827674	3376.158738909471	3169.73890945971	3071.63750949471	106.801435309545	106.73973255512
303	372	274843	-171621.1413		37.72573170250766	37.2212236849445	-01.4091512	2935.130150357825	43999.57.432308093	3367.4810564335875	3073.2364792011413	3069.9141381949	106.81581167288205	106.7519369219488
304	372	274844	-170961.1413		37.72573170250766	37.2213410410229	-01.4068066	2937.141670928615	43999.53.2056172	3362.0956334206	3165.566280679235	3073.2647475173817	106.81418584	106.73973255512
305	372	274845	-170301.1413		37.72573170250766	37.221458544676	-01.4044619	2939.151761062544	43999.48.20267362	3361.83582724043807	3073.479021025717	3071.421577498409	106.8056262186637	106.7519369219488
306	372	274846	-169641.1413		37.72573170250766	37.221575205343	-01.4021172	2941.162016100243	43999.44.14566233	3361.212479893004	3162.407056	3072.4122471720502	106.8008923793024	106.80948097555917
307	372	274847	-168981.1413		37.72573170250766	37.22169184	-01.3997726	2943.17218307625	43999.40.4909148	3357.684070669247	3160.830871778853	3070.855732346812	106.80594383258429	106.75459835116
308	372	274848	-168321.1413		37.72573170250766	37.22180717837	-01.3974279	2945.182348036971	43999.36.95368454	3346.05501133505	3159.259595085094	3068.10345940721	106.801435309545	106.73973255512
309	372	274849	-167661.1413		37.72573170250766	37.221927369456	-01.3951815	2947.2008694947	43999.32.4083958	3343.4745309387	3157.428315369587	3067.45850949929	106.801435309545	106.73973255512
310	372	274850	-167001.1413		37.72573170250766	37.22203731676031	-01.3927385	2949.25671910201	43999.26.7418222	3342.799278	3156.10913623773	3065.10345940721	106.801435309545	106.73973255512
311	372	274851	-166341.1413		37.72573170250766	37.222151741077	-01.3903038	2951.21280384622	43999.68.66959765	3338.9638149316086	3154.5405521019514	3064.044345750454	106.801435309545	106.73973255512
312	372	274852	-165681.1413		37.72573170250766	37.222265659235	-01.3880492	2953.2287766213	43999.61.5313468	3337.15125565276	3152.749955326374	3062.587299874561	106.801435309545	106.73973255512
313	372	274853	-165021.1413		37.72573170250766	37.222379	-01.3857045	2955.23142680414	43999.61.4826525	3331.878490714447	3151.409788025303	3061.289996310942	106.801435309545	106.73973255512
314	372	274854	-164361.1413		37.72573170250766	37.2224921836418	-01.3							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBothKgr.ft	SatThvLogKgr.ft	SatThvBoth.ft	
393	372	274933	-112221.1413		37.72573170250766	37.72999607148564	-0.11981281	311063.9223717883	3939323.72259098	3142.9513655385304	3103.0034817111727	2980.77997171756067	2978.429717700582	32.22470995566004	34.573674670590726
394	372	274934	-111561.1413		37.72573170250766	37.72300674695521	-0.11967634	31184.800242625944	3939319.48751947	3104.618840357930	3100.533274610047	2979.3666009000111	2979.1090302172915	31.166584053595563	31.42337139715538
395	372	274935	-110901.1413		37.72573170250766	37.72301438146264	-0.11934386	31205.9228571894	3939315.52384696	3106.498273818108	3097.662738146198	2979.662738146198	2979.662738146198	30.923054366134	30.152171
396	372	274936	-110241.1413		37.72573170250766	37.72302197067088	-0.11910379	312206.912624689036	3939311.49842639	3118.590041	3005.6263340049035	2974.575567630304	2976.858045736297	29.15077441882383	28.74025963
397	372	274937	-109681.1413		37.72573170250766	37.72302951471867	-0.11887492	312407.9210089976	3939307.44202343	3110.6823501287818	3003.1901082822596	2975.606371262942	2976.6958883722067	27.583737019317596	26.914991005296
398	372	274938	-108921.1413		37.72573170250766	37.72303174317892	-0.11864044	312608.920210131835	3939304.350216201	3000.74007576807	2972.873869195252	2977.049673541326	27.799313862585	25.717940412475536	23.71404012475536
399	372	274939	-108261.1413		37.72573170250766	37.723044665011	-0.11840597	312809.91922888006	3939299.27646627	3002.623199505475	2998.584004915916	2969.970437043306	2976.934085859648	28.38033274261057	22.26409232682673
400	372	274940	-107601.1413		37.72573170250766	37.723051874511334	-0.1181715	313010.918064287	3939295.202486071	3009.229174215658	2997.656388379117	2977.75290913613	2979.015743863211	28.7912746555768	24.950813992849873
401	372	274941	-106941.1413		37.72573170250766	37.7230597272329	-0.1179252	313211.9167184284	3939291.126841515	3009.835143345571	2993.3912864274345	2978.13864274345	2979.015743863211	28.7912746555768	24.950813992849873
402	372	274942	-106281.1413		37.72573170250766	37.7230655463592	-0.1177052	313412.9151896877	3939287.0583717	3003.441115254848	2997.2443701822406	2990.700242296455	2981.390084817575	30.53421718275105	29.8539633665516
403	372	274943	-105621.1413		37.72573170250766	37.72307382674056	-0.11748808	313613.9134793521	3939282.93834731	3007.310843861239	2988.895692112152	2957.174583881152	2967.363748348778	31.72103172406564	31.5319672727436
404	372	274944	-104961.1413		37.72573170250766	37.72308105363235	-0.1172336	313814.9115870786	3939278.911241315	3051.44428592636	2986.5774400955068	2953.490176671618	2954.63724834713303	33.0726428345017	31.940012373737804
405	372	274945	-104301.1413		37.72573170250766	37.72308823507792	-0.11699913	314015.90951328166	3939274.83803059	3051.774351034233	2984.2823515663126	2951.144969	2953.490176671618	33.0726428345017	31.940012373737804
406	372	274946	-103641.1413		37.72573170250766	37.7230935129322	-0.11674646	314216.9072513824	3939270.76801299	3051.71129841029	2982.015044052529	2984.79631122244814	2948.320951039377	33.21873180081366	33.69409291375375
407	372	274947	-102981.1413		37.72573170250766	37.723102462209155	-0.11650318	314417.9048218642	3939266.93483482	3051.356765562529	2979.7835810421316	2984.344329822505	2948.320951039377	33.21873180081366	33.69409291375375
408	372	274948	-102321.1413		37.72573170250766	37.72310970782571	-0.1162671	314618.9022	3939262.30379647	3000.5016278451324	2977.8024511882324	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
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411	372	274951	-100341.1413		37.72573170250766	37.72313037287889	-0.11559229	315221.892369527	3939250.40982348	3004.674848966384	2977.800092826678	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
412	372	274952	-99681.1413		37.72573170250766	37.72313732729777	-0.11535782	315422.8890376206	3939246.39135157	3007.275039483224	2970.354933722871	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
413	372	274953	-99021.1413		37.72573170250766	37.72314036417205	-0.11512324	315623.8841203754	3939242.269	3029.875194880275	2969.10663868575	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
414	372	274954	-98361.1413		37.72573170250766	37.723150830271778	-0.11488887	315824.8827136274	3939238.19844193	3042.119851382274	2968.11045819622	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
415	372	274955	-97701.1413		37.72573170250766	37.7231585075781	-0.11465374	316028.912841527	3939234.12849234	3044.151381618636	2967.11779186778	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
416	372	274956	-97041.1413		37.72573170250766	37.72316424198155	-0.11441992	316226.8748784828	3939230.05873303	3062.9748148914047	2966.2518841713154	2984.052504640989	2948.320951039377	33.21873180081366	33.69409291375375
417	372	274957	-96381.1413		37.72573170250766	37.72317087993435	-0.11418545	316427.8706242488	3939225.98922136	3072.438122839624	2964.028396803834	2972.021224805934	2984.052504640989	33.21873180081366	33.69409291375375
418	372	274958	-95721.1413		37.72573170250766	37.7231747252537	-0.11395097	316628.862271523	3939221.91994646	3081.90320784516	2964.597439	2925.403472955055	2972.021224805934	33.21873180081366	33.69409291375375
419	372	274959	-95061.1413		37.72573170250766	37.72318401984781	-0.1137165	316829.8611	3939217.851	3087.930782442153	2963.832645755531	2923.81518262406	2972.021224805934	33.21873180081366	33.69409291375375
420	372	274960	-94401.1413		37.72573170250766	37.72319052170684	-0.11348203	317030.8566120077	3939213.76210195	3090.52087816219	2963.1073239181524	2922.60532423597	2972.021224805934	33.21873180081366	33.69409291375375
421	372	274961	-93741.1413		37.72573170250766	37.7231958077879	-0.11323754	317231.8510970597	3939209.17832274	3093.119851382274	2962.42625	2972.021224805934	2972.021224805934	33.21873180081366	33.69409291375375
422	372	274962	-93081.1413		37.72573170250766	37.72320075170778	-0.11301308	317435.9185719825	3939205.4519825	3096.70103854225	2961.751343527562	2972.021224805934	2972.021224805934	33.21873180081366	33.69409291375375
423	372	274963	-92421.1413		37.72573170250766	37.723209756141934	-0.1127786	317633.8414759624	3939201.57100325	3102.616699042364	2961.160510133378	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
424	372	274964	-91761.1413		37.72573170250766	37.72321607696652	-0.11254413	317834.83920521	3939197.509	3110.87247325263	2961.978048708647	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
425	372	274965	-91101.1413		37.72573170250766	37.72322582459152	-0.11230965	318035.303906953	3939193.416017065	3120.1240245662875	2962.0527991674326	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
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429	372	274969	-88461.1413		37.72573170250766	37.72324701059176	-0.11137176	318839.8509518374	3939177.173454705	3145.151381618636	2958.69693299304	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
430	372	274970	-87801.1413		37.72573170250766	37.7232535062195	-0.11113728	319040.793693601	3939173.107004381	3151.5451851597183	2956.02109411995	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
431	372	274971	-87141.1413		37.72573170250766	37.72325950434908	-0.11090281	319241.792682918	3939167.40078451	3153.629376	2957.620497762393	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
432	372	274972	-86481.1413		37.72573170250766	37.7232650127648	-0.11066833	319442.7857018124	3939164.949095971	3152.78027627513	2957.3088271083247	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
433	372	274973	-85821.1413		37.72573170250766	37.72327092590145	-0.11043386	319643.7867789146	3939160.970090727	3151.95676962417	2957.010968693727	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
434	372	274974	-85161.1413		37.72573170250766	37.72327673732225	-0.11019338	319844.714289555	3939156.54356922	3151.95676962417	2957.010968693727	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
435	372	274975	-84501.1413		37.72573170250766	37.72328261987691	-0.11065896	32005.918507869	3939152.789807869	3151.95676962417	2957.010968693727	2984.052504640989	2972.021224805934	33.21873180081366	33.69409291375375
436	372	274976	-83841.1413		37.72573170250766	37.7232883									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHkM.f	SatHtBoth.f
519	372	275059	-29061.14133		37.27573170250766	39.726309997662734	-100.9026894	336928.5356496154	4398812.1346762115	2955.4401287052965	2826.3569660165754	2826.7297407924378	30.34460076057983	29.99185703470539
520	372	275060	-28401.14133		37.27573170250766	39.72611596956236	-100.9003466	337129.5140700056	4398808.098373747	2952.345015739617	2824.830413835013	2824.5025052	30.3279122541041	29.99115717003967
521	372	275061	-27811.14133		37.27573170250766	39.7261388640159	-100.8978969	337359.492372662	4398804.04431108	2949.2499271793377	2822.883587176874	2822.685219172485	30.1982054988778	29.98048542727254
522	372	275062	-27081.14133		37.27573170250766	39.7261576782045	-100.8956511	337574.1576782045	4398799.999438269	2946.154789055266	2850.8929145440656	281.003457319204	28.21219155565825	29.67000187483068
523	372	275063	-26421.14133		37.27573170250766	39.7261760303891	-100.8933103	337732.44839792897	4398795.954888481	2946.291459513047	2848.826053663255	2819.3301671824684	28.19147113718955	29.497988124055155
524	372	275064	-25761.14133		37.27573170250766	39.7261930475702	-100.8909655	337933.6124192645	4398791.510528077	2946.72004691852167	2846.72004691852167	2817.7402069576905	28.18134717577173	29.80069157
525	372	275065	-25011.14133		37.27573170250766	39.72623214027474	-100.8886208	338134.3083110333	4398787.866242627	2953.028364274157	2816.23044243862	2816.23044243862	28.232661970505	28.382381978192684
526	372	275066	-24441.14133		37.27573170250766	39.7262284049205	-100.886276	338335.38131186384	4398785.99211039	2956.36981669154	2842.357485150837	2815.03621884744	27.31471683841423	27.615813094141
527	372	275067	-23781.14133		37.27573170250766	39.72624495408984	-100.8838814	338536.35863679425	4398787.778854292	2958.7928765261589	2815.68115011537075	2813.266336905872	28.41272863816553	29.67749484398763
528	372	275068	-23121.14133		37.27573170250766	39.7262611	-100.8815985	338737.3373055196	4398775.5423308	2959.946427169422	2817.8030051607975	2812.4095714552637	28.19197967887383	25.393430691782
529	372	275069	-22461.14133		37.27573170250766	39.7262676634164	-100.8792417	338938.31281827524	4398771.692242348	2961.1900176152266	2835.4574371656905	2811.0862536743	28.10168083400321	24.37181176886536
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531	372	275071	-21141.14133		37.27573170250766	39.72630366	-100.8745521	339340.266376324	4398763.50675389	2961.231173174647	2830.642796380856	2808.575667980856	28.0840583238204	22.58796405284147
532	372	275072	-20481.14133		37.27573170250766	39.7263200494762	-100.8722074	339541.242322299	4398759.564084993	2957.5826274645123	2828.1790271107598	2807.1761755772377	28.0616296706523	21.55976040423684
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535	372	275075	-18501.14133		37.27573170250766	39.726361	-100.8651731	340144.171630789	4398747.430484922	2949.63988311595	2820.593143158724	2801.8325718840824	28.00201482	18.76057127190013
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539	372	275079	-15861.14133		37.27573170250766	39.726408209683	-100.855794	340948.074	4398731.23268434	2928.10189393984	2810.1144054301	2791.01254325463	2789.723277026584	15.011106593912
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542	372	275082	-13891.14133		37.27573170250766	39.7264383811377	-100.8487597	341550.998937579	4398719.151214795	2885.446218864673	2802.0455742848117	2783.7045559249923	2782.842231052875	13.84101359819373
543	372	275083	-13221.14133		37.27573170250766	39.7264481324034	-100.8464149	341751.9747344376	4398715.12243735	2878.825182129322	2799.32712943367	2782.1061403386434	2780.954101936828	13.2127226047231
544	372	275084	-12561.14133		37.27573170250766	39.72645680336	-100.8440701	341952.949432421	4398710.07523205	2867.12402871624	2796.582266206147	2780.25017675149	2779.297023704825	13.04320894546594
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546	372	275086	-11241.14133		37.27573170250766	39.7264733175258	-100.8393806	342354.896499031	4398702.99393412	2873.457691551467	2781.113936680584	2777.236656756187	2776.318753658894	13.877279930217355
547	372	275087	-10581.14133		37.27573170250766	39.7264848096107	-100.8370383	342552.7871027383	4398700.96819779	2873.435811945459	2781.381188762488	2775.8330913862146	2775.8330913862146	13.457443997705013
548	372	275088	-9921.14133		37.27573170250766	39.7264944257673	-100.8342363	342757.8027350293	4398699.7734488	2873.457691551467	2781.113936680584	2777.236656756187	2776.318753658894	13.877279930217355
549	372	275089	-9261.14133		37.27573170250766	39.726505583966	-100.830015	343158.7945182956	4398686.83947174	2876.382768752074	2780.0743074926586	2771.303964650893	2769.88484226749	13.077311042
550	372	275090	-8601.14133		37.27573170250766	39.72651659697	-100.8257658	343359.76815318254	4398682.80143309	2874.967134719806	2777.3065177171474	2769.314852370653	2767.8908324592294	12.979166347088201
551	372	275091	-7941.14133		37.27573170250766	39.7265311456967	-100.825312	343560.7416352967	4398678.764	2871.1182255191	2774.53295436067	2767.285410490469	2765.38177076196	12.859788347301747
552	372	275092	-7281.14133		37.27573170250766	39.726546228069	-100.8229762	343761.715	4398674.76807585	2867.28672384433	2771.7767572739617	2764.931523531534	2763.95253589265	12.859788347301747
553	372	275093	-6621.14133		37.27573170250766	39.7265616228069	-100.8206224	343962.68196783	4398670.991697187	2863.410216216747	2769.420259543613	2762.404977839437	2761.465512148895	12.55715916730935
554	372	275094	-5961.14133		37.27573170250766	39.72657345471296	-100.8182777	344173.65117625417	4398665.61669188	2857.45624536381	2766.2795363625676	2759.7383053462676	2758.48505404924	12.55715916730935
555	372	275095	-5301.14133		37.27573170250766	39.726582731744	-100.8159329	344364.6340554825	4398662.618781496	2850.41214004334	2765.522888955464	2757.491748733045	2756.816187167664	12.55715916730935
556	372	275096	-4641.14133		37.27573170250766	39.72659307822147	-100.8135881	344565.608	4398658.51811885	2846.587297177795	2755.244602727783	2754.617844063684	2756.0295188001235	12.624593804817645
557	372	275097	-3981.14133		37.27573170250766	39.7266033285016	-100.8112434	344766.57936395	4398654.51799047	2835.635709257416	2758.168451	2752.85218571558344	2752.371491610963	12.55715916730935
558	372	275098	-3321.14133		37.27573170250766	39.72661384312815	-100.8088986	344967.5519727086	4398650.505446277	2833.45764513972	2758.012919488938	2750.3951818530425	2749.9991713385371	12.55715916730935
559	372	275099	-2661.14133		37.27573170250766	39.7266239413079	-100.806538	345186.5240723283	4398646.48972393	2836.48519420479	2752.9148044049976	2748.069645253647	2747.70463589209	12.55715916730935
560	372	275100	-2001.14133		37.27573170250766	39.726634373581	-100.804261	345397.468259084	4398642.1232438613	2839.42016216747	2754.92361526466	2748.3683186497058	2748.3683186497058	12.55715916730935
561	372	275101	-1341.14133		37.27573170250766	39.7266453743665	-100.8018643	345570.4841836207	4398638.39856568	2835.45764513972	2754.92361526466	2748.3683186497058	2748.3683186497058	12.55715916730935
562	372	275102	-681.14133		37.27573170250766	39.7266563023606	-100.7995195	345771.4400157051	4398634.363306055	2840.06547395611	2754.92361526466	2748.3683186497058	2748.3683186497058	12.55715916730935
563	372	275103	21.14132693		37.27573170250766	39.7266673073514	-100.7971747	345972.411699022	4398630.33828454	2842.059401	2742.932857563118	2743.7413967134903	2743.7413967134903	12.55715916730935
564	372	275104	638.58677303514		37.27573170250766	39.72667831463733	-100.79483	346178.323378086	4398626.29363542	2842.059401	2742.932857563118	2743.7413967134903	2743.7413967134903	12.55715916730935
565	372	275105	1298.58677303514		37.27573170250766	39.72668931732524	-100.7924852	346374.3546201833	4398622.59120504	2842.059401	2742.932857563118	2743.7413967134903	2743.7413967134903	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f
645	372	27185	54098.8586773035	7037257.3170250766	39.72350172136223	-0.007402848	362250.6431276664	4398304.271876277	2755.951874014114	2620.0807209957346	2640.378730313296	2641.7337068598844	0	0
646	372	27186	54758.8586773035	7037257.3170250766	39.72349796553409	-0.004043038	362451.6031331237	4398300.2560171734	2751.6679677319444	2619.4067582231687	2640.7625615645316	2640.7625615645316	0	0
647	372	27187	55418.8586773035	7037257.3170250766	39.72349242406578	-0.002651481	362582.6206380814	4398272.189177953	2748.011321183403	2618.7973338242456	2638.016897878353	2638.016897878353	0	0
648	372	27188	56078.8586773035	7037257.3170250766	39.723493777735	-0.002002143	362693.5232899197	4398292.255163195	2747.9815772688436	2618.251837286838	2638.018774022091	2639.569274672246	0	0
649	372	27189	56738.8586773035	7037257.3170250766	39.72348660248776	-0.005789686	363054.4830841237	4398288.210059182	2746.951917533662	2617.769400358106	2637.7200122637044	2639.3397984158664	0	0
650	372	27190	57398.8586773035	7037257.3170250766	39.72344258922008	-0.005955248	363255.4427414801	4398284.156188861	2745.922320735642	2617.349533368793	2637.619470667139	2639.274613718260	0	0
651	372	27191	58058.8586773035	7037257.3170250766	39.7234786289124	-0.0059318	363456.4027098624	4398280.181	2743.5516816870656	2616.9916040191783	2637.709025228584	2639.3904567688955	0	0
652	372	27192	58718.8586773035	7037257.3170250766	39.723474619262284	-0.005908353	363657.3616669771	4398276.166148052	2743.7345534960116	2616.9835836981116	2637.610613101177	2639.3736669321	0	0
653	372	27193	59378.8586773035	7037257.3170250766	39.7234694440578	-0.005884895	363858.3206380814	4398272.189177953	2746.25525026945	2616.4548691323862	2638.158045518385	2638.73686723836	0	0
654	372	27194	60038.8586773035	7037257.3170250766	39.72346648611042	-0.00581458	364059.238047615893	4398258.13041305	2743.1705741407823	2616.2755065714523	2638.522722648045	2640.356877043305	0	0
655	372	27195	60698.8586773035	7037257.3170250766	39.723462324574875	-0.00583801	364260.2308042706	4398264.12438014	2743.764558147903	2616.1497361772767	2638.2784555816256	2639.414362531882	0	0
656	372	27196	61358.8586773035	7037257.3170250766	39.72345813745574	-0.005814562	364461.197962544	4398260.110688342	2740.734301504542	2616.083256710077	2639.525340058896	2640.19685	0	0
657	372	27197	62018.8586773035	7037257.3170250766	39.7234539116618	-0.005791115	364682.1567112715	4398256.992763209	2747.70149486116	2616.0743597355226	2640.853909759834	2641.539575857826	0	0
658	372	27198	62678.8586773035	7037257.3170250766	39.72344962218673	-0.005767667	364863.115330692	4398252.08462092	2754.674038217777	2616.12146803536	2641.634461973908	2641.55116304915	0	0
659	372	27199	63258.8586773035	7037257.3170250766	39.72344529745722	-0.00574422	365064.07362067293	4398248.07195987	2762.3761208059263	2616.2227634686896	2642.141853415515	2642.3837969325314	0	0
660	372	27200	63998.8586773035	7037257.3170250766	39.72344092742786	-0.005720772	365265.0321817914	4398244.050324484	2770.8104404362002	2616.376227280138	2641.681206088595	2642.005171511927	0	0
661	372	27201	64658.8586773035	7037257.3170250766	39.72343651208054	-0.005697325	365465.9904141285	4398240.407077225	2778.2447007709169	2616.579652229282	2640.3505331571795	2640.350525026993	0	0
662	372	27202	65318.8586773035	7037257.3170250766	39.72343205146845	-0.005673877	365666.8485178918	4398236.034051447	2787.679077902348	2616.830684130043	2637.9782772054185	2638.2811352501365	0	0
663	372	27203	65978.8586773035	7037257.3170250766	39.7234275	-0.00565043	365867.96049328486	4398232.023115494	2790.281856	2617.126802440577	2635.2491285749106	2635.5564917584506	0	0
664	372	27204	66638.8586773035	7037257.3170250766	39.72342295430913	-0.005626892	366068.8643051473	4398230.015112504	2797.003901395573	2617.465205760066	2632.10963017502	2632.55178217286	0	0
665	372	27205	67298.8586773035	7037257.3170250766	39.72341837977944	-0.00560354	366269.82025997177	4398224	2783.824323886363	2617.841679808247	2629.101265107852	2629.95634143008	0	0
666	372	27206	67958.8586773035	7037257.3170250766	39.72341735594978	-0.005580087	366470.7796511367	4398219.969077783	2780.5955349637117	2618.267389688337	2625.998719602126	2626.756253	0	0
667	372	27207	68618.8586773035	7037257.3170250766	39.723416058620125	-0.00555819	366678.0157125243	4398215.878105243	2782.698564559843	2618.268564559843	2623.446897107168	2623.446897107168	0	0
668	372	27208	69278.8586773035	7037257.3170250766	39.72340434	-0.005533192	366872.6945193355	4398211.567430175	2785.014259035038	2619.167009851902	2619.635880556708	2620.616291722466	0	0
669	372	27209	69938.8586773035	7037257.3170250766	39.723397356133	-0.005509744	367073.8517	4398205.97000121	2786.634520020389	2619.663421099487	2616.582658887598	2617.6163009403784	3.0707612118831094	2.0471202024332342
670	372	27210	70598.8586773035	7037257.3170250766	39.72339473563133	-0.005486297	367274.6087	4398203.467957528	2784.389761100715	2620.181498	2616.639711971829	2614.6793416011883	5.541786413400882	5.50214224861615
671	372	27211	71258.8586773035	7037257.3170250766	39.7233896730182	-0.005462849	367475.56569897984	4398204.938628241	2785.629450271397	2620.176743573885	2620.169181856251386	2620.169181856251386	0	0
672	372	27212	71918.8586773035	7037257.3170250766	39.72338495367328	-0.005439402	367676.5225292236	4398195.99292249	2783.420690252564	2621.2663304063594	2607.940408	2621.2663304063594	13.25827180029364	12.129907512512546
673	372	27213	72578.8586773035	7037257.3170250766	39.72337998474608	-0.005415984	367877.48773431545	4398191.87587542	2781.211871476875	2621.839696206274	2608.591341780627	2621.839696206274	15.238202298000166	15.11445226011273
674	372	27214	73238.8586773035	7037257.3170250766	39.7233749051117	-0.005392507	368078.430900973	4398187.90381105	2780.00367710105	2622.034582338145	2604.590432056826	2607.8892450422578	0	0
675	372	27215	73898.8586773035	7037257.3170250766	39.72336994096182	-0.005369059	368279.3923021132	4398183.890918132	2775.16130743364	2622.994205464086	2601.8303252873007	2622.994205464086	17.163870259017904	20.2559269036392
676	372	27216	74558.8586773035	7037257.3170250766	39.7233648415278	-0.005345612	368480.34868546657	4398179.89047819	2783.587084516055	2623.587084516055	2602.8486973463	2601.7383845113206	23.1463813972357	22.44536025028492
677	372	27217	75218.8586773035	7037257.3170250766	39.7233597062376	-0.005322164	368681.3048853271	4398175.88109351	2784.211787726734	2624.174013973729	2599.261733700831	2599.57400965484	25.91083767289742	24.6000427841566
678	372	27218	75878.8586773035	7037257.3170250766	39.7233542509482	-0.005298716	368882.26095909027	4398171.73752019	2786.727877872321	2624.7200991628734	2597.84954878324	2598.16914555568	26.1426303796333	25.69904461683247
679	372	27219	76538.8586773035	7037257.3170250766	39.72334928666036	-0.005275289	369078.216094319	4398167.8654971	2789.040599230658	2624.33588565295	2596.94834188113	2596.2548951428	28.39502446	29.090889140274175
680	372	27220	77198.8586773035	7037257.3170250766	39.72334401387384	-0.005251821	369284.1272452502	4398163.857591737	2789.210617386244	2625.913465516455	2595.41381128313	2595.41381128313	31.330119801791026	31.330119801791026
681	372	27221	77858.8586773035	7037257.3170250766	39.7233389250887	-0.005228374	369485.1284340342	4398159.84962965	2788.026043686973	2626.46748675233	2593.81020365788	2592.8921261142473	33.637556618375584	33.637556618375584
682	372	27222	78518.8586773035	7037257.3170250766	39.72333333	-0.005204926	369686.0840095576	4398155.42559393	2786.8730059351697	2627.00187229928	2592.145201601497	2591.034941959107	35.9554826219342	35.9554826219342
683	372	27223	79178.8586773035	7037257.3170250766	39.72332913852346	-0.005181479	369887.03846083377	4398151.87835219	2788.177935718731	2627.506109674937	2590.2243083481894	2589.581133832927	37.2827012129327	37.9886822920096
684	372	27224	79838.8586773035	7037257.3170250766	39.7233246572434	-0.005158031	370087.948780653	4398147.828451825	2789.076864157036	2627.979557085647	2588.77743529885	2587.534411694583	39.20212178576185	39.20212178576185
685	372	27225	80498.8586773035	7037257.3170250766	39.7233184619652	-0.005135844	370288.949991461	4398143.142774804	2775.956385181064	2628.4146583131064	2588.9627212142997	2588.9627212142997	42.75891631006756	42.75891631006756
686	372	27226	81158.8586773035	7037257.3170250766	39.72331144063891	-0.005111317	370489.9051	4398139.15276951	2781.075009443368	2628.805419344775	2585.11741179393	2583.726581454935	45.07683748888165	45.07683748888165
687	372	27227	81818.8586773035	7037257.3170250766	39.7233069496182	-0.005087917	370690.9496182	4398135.890918132	2782.00367710105	2629.446897107168	2584.268564559843	2584.268564559843	47.388239942680164	47.388239942680164
688	372	27228	82478.8586773035	7037257.3170250766	39.72330017481432	-0.00506422	370891.81486068235	4398131.803340969	2783.871521719608	2629.429457237084	2583.122117165275	2582.7673598555748	48.20874547180897	48.20874547180897
689	372	27229	83138.8586773035	7037257.3170250766	39.7232944108738	-0.005040794	371092.76957078024	4398127.79732628	2789.9195004611635	2629.64830792561	2578.842667412094	2577.866762534176	50.08067133804669	51.79171153809919
690	372	27230	83798.8586773035	7037257.3170250766	39.7232887620607	-0.005017347	371293.7412808844	4398123.791724985	2785.9674246116935	2629.802143505161	2576.			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BR ElevBothKrg.ft	BR ElevBothKrg.ft	SatH ElevBothKrg.ft	SatH BothKrg.ft	
31	273	275311	-351141.1413		10.7917317310250766	-39.1905657300958	-102.0468951	238832.4109236528	40401015.73487352	3624.0303370895485	3510.459605294861	3476.6993778366386	3477.1431120551456	33.76022745822229	33.316493397193153
32	273	275312	-350481.1413		10.7917317310250766	-39.19107964	-102.0445507	23903.49046277824	40401011.582629785	3636.461399646482	3508.395465395625	3475.461618802357	3475.687152690405	32.70386125321964	32.70386125321964
33	273	275313	-348681.1413		10.7917317310250766	-39.191638736318	-102.0426261	239234.5707306863	40401007.42186081	3648.892178682194	3506.306842621685	3474.044677509384	3474.044677509384	32.2671625122799	32.2671625122799
34	273	275314	-349161.1413		10.7917317310250766	-39.191728583407	-102.0398618	239345.64062613343	40401003.2613103065	3661.323284813642	3504.1945228484487	3472.017443038511	3472.2903510560804	32.797789086371	31.904171783368383
35	273	275315	-348501.1413		10.7917317310250766	-39.191571995363	-102.0375174	239636.72819155993	40400991.101090927	3670.404316	3502.059818705427	3468.98923012054	3470.302573247455	32.0849596332723	31.75724543087199
36	273	275316	-347841.1413		10.7917317310250766	-39.19156448826	-102.035173	239837.806637917	40400994.90406066	3676.1351158322486	3499.904339245512	3468.234924823716	3468.234924823716	31.654999434115	31.654999434115
37	273	275317	-347811.1413		10.7917317310250766	-39.191959460687	-102.0328286	240038.88527853627	40400981.78121735	3681.865915960355	3497.729708	3465.7172859195052	3466.178726737971	32.0142244571495	31.55098712729257
38	273	275318	-346521.1413		10.7917317310250766	-39.1922333139884	-102.030441	240239.9634	40400986.613026295	3689.59617547845	3495.5390333184807	3463.903193911137	3463.903193911137	31.5963371912938	31.5963371912938
39	273	275319	-345861.1413		10.7917317310250766	-39.1924711143962	-102.0281397	240441.0413363862	40400982.462188947	3694.87611689219	3493.333401448825	3461.658032122552	3461.658032122552	31.55693626359723	31.55693626359723
40	273	275320	-345201.1413		10.7917317310250766	-39.1927052159315	-102.0257363	240612.1189799005	40400978.30308473	3673.701119872384	3491.112738600459	3459.4517105717007	3459.4517105717007	31.69606933312	31.55728236784793
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44	273	275324	-342561.1413		10.7917317310250766	-39.1936522290564	-102.0164176	241446.426899461	40400961.669032555	3640.682608791501	3482.0601855180144	3448.668115442397	3448.668115442397	33.29220370561745	32.6323636
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74	273	275354	-322761.												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatShtLog.ft	SatBothKft.ft
157	375	275437	-267981.1413	1079173.7130250766	39.721732380634701	-107.7514874	264166.489	4004093.33	3493.225166794684	330.002293104365	3286.7659819300314	3286.595347390717	68.2363112	68.4069437129332
158	373	275438	-267321.1413	1079173.7130250766	39.72175176763084	-107.7491428	264367.5356531198	4004049.201538043	3490.111047090555	3354.289965178546	3285.1117108661517	3285.098085053632	69.17825760622242	69.17825760622242
159	373	275439	-266961.1413	1079173.7130250766	39.72176959162054	-107.7467883	264569.5084204058	4004045.80772496	3487.187097839508	3353.93896492994	3283.330715324265	3283.997028744652	69.84717449743491	69.84717449743491
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162	373	275442	-264681.1413	1079173.7130250766	39.72182402483065	-107.7397465	2651171.7286	4004047.609061575	3478.985761424911	3351.609741937003	3277.42394948979978	3279.287396	71.78234793090532	71.78234793090532
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165	373	275445	-262701.1413	1079173.7130250766	39.72187650038991	-107.7327307	265774.04729593	4004040.281168927	3473.744457396237	3348.351161892827	3271.59871246676	3271.498891325936	76.7589635159386	74.85748615
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171	373	275451	-258741.1413	1079173.7130250766	39.7219868082452	-107.7186831	266981.14887143404	4004035.52	3465.713717021874	3342.4359674	3261.076201794107	3256.489279332394	81.647194222294	84.06898580110047
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175	373	275455	-256101.1413	1079173.7130250766	39.72205844138991	-107.7092847	267785.32696949	4004019.01848248	3463.68054957377	3338.505380825732	3254.3667250522747	3253.799237287998	84.1446543209726	84.7061353737392
176	373	275456	-255441.1413	1079173.7130250766	39.7220741	-107.7069401	267986.374329354	4004014.88412313	3463.727527553363	3337.478174143865	3252.604047923042	3252.32004742366	84.84712622	85.1756210150928
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187	373	275467	-248181.1413	1079173.7130250766	39.72226421165634	-107.6811493	270197.8505273715	400396.508527107	3468.942018233212	3325.6112429358927	3232.0724711567004	3236.806295	93.6380788	88.0440824124253
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191	373	275471	-245541.1413	1079173.7130250766	39.7223319658207	-107.6717708	271022.01651860296	4003953.01754713	3471.014447147213	3321.665945201955	3222.81813936546816	3221.8881183956408	97.96847652547325	95.9647652547325
192	373	275472	-244881.1413	1079173.7130250766	39.72235481582214	-107.669422	271203.0571596945	400394.89883031	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
193	373	275473	-244221.1413	1079173.7130250766	39.7223726500840824	-107.6670815	271404.09825511	400394.449825511	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
194	373	275474	-243561.1413	1079173.7130250766	39.7223924050377	-107.6647369	271605.138624933	400394.63494101	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
195	373	275475	-242901.1413	1079173.7130250766	39.72241339903	-107.6623923	271806.1791715393	400393.541248715	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
196	373	275476	-242241.1413	1079173.7130250766	39.72243156839474	-107.6600476	272007.219273309	400393.239507711	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
197	373	275477	-241581.1413	1079173.7130250766	39.7224523771869	-107.6577703	272208.2591501792	400393.277770698	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
198	373	275478	-240921.1413	1079173.7130250766	39.72247488461988	-107.6553584	272408.2968072516	400393.16	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
199	373	275479	-240261.1413	1079173.7130250766	39.72249735087814	-107.6529923	272608.33821274	400393.0099999	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
200	373	275480	-239601.1413	1079173.7130250766	39.7225184791994	-107.650691	272811.373439204	400393.1514	3471.019717550585	3320.633051762164	3221.924568698263	3221.924568698263	97.9745203373824	97.9745203373824
201	373	275481	-238941.1413	1079173.7130250766	39.72254082498									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BR ElevLogsKrg.f	BR ElevBothKrg.f	SurfElevBoth.f	
283	375	275563	-184821.1413		10.7917317310250766	39.723698076	-101.4566069	28964896.871	4399974.69585002	3422.832168542638	3105.1184234705975	3092.7015046700585	34.84223459236156	106.8991632909051
284	375	275564	-184816.1413		10.7917317310250766	39.723703420827185	-101.4537162	289697.88298259084	4399970.59471442	3420.161455051065	3107.963255703499	3100.4817757041406	34.56752463735629	107.1647799963637
285	375	275565	-183801.1413		10.7917317310250766	39.72371603046471	-101.4531373	289698.4938781458	4399964.933818163	3417.490122857876	3106.301408133215	3104.08072746087904	32.8411260518513	107.68196054311
286	375	275566	-182894.1413		10.7917317310250766	39.723728610803974	-101.4490268	2900.9332500315	4399941.8095918476	3414.819599182456	3104.442577511517	3098.575285125485	30.95807377833895	108.416872764442
287	375	275567	-182181.1413		10.7917317310250766	39.72374113784502	-101.4466821	2903.9005505655244	4399958.2928376625	3412.534771702246	3102.6802801305336	3102.165935343284	30.858.6781319132265	107.02072671739715
288	375	275568	-181521.1413		10.7917317310250766	39.72375361959396	-101.4443373	2905.019754815364	4399964.196267801	3410.367698477017	3100.936806481876	3099.9343293454017	30.842.3920725505193	106.72369032637591
289	375	275569	-180861.1413		10.7917317310250766	39.72376634929636	-101.4419826	2907.202995509231	4399950.092750414	3408.7392382660964	3109.258292924392	3097.3873272583355	30.82.7813727583355	106.650203832576
290	375	275570	-180201.1413		10.7917317310250766	39.72377844718448	-101.4396479	2909.041549726096	4399945.387492701	3406.841498544027	3107.547855940112	3094.741805032388	30.811010695373664	106.52005090171336
291	375	275571	-179541.1413		10.7917317310250766	39.72379076303223	-101.4373033	2911.05539165811	4399941.838811828	3405.2463420512854	3106.50161515361	3096.0753717689813	30.784.752856780874	106.476744742662
292	375	275572	-178881.1413		10.7917317310250766	39.72380303351554	-101.434565	2913.06546928066	4399937.794376309	3403.953767758275	3104.1609913391443	3098.275748898498	30.768.364801375565	105.79621177512692
293	375	275573	-178221.1413		10.7917317310250766	39.72381538832574	-101.4326137	2915.07703983511	4399933.605402985	3402.661195503087	3102.840385	3086.61181638543	30.73739221114100	105.68656740488719
294	375	275574	-177561.1413		10.7917317310250766	39.72382755875811	-101.430269	2917.08309309333	4399929.59662794	3401.366622254607	3100.810178255594	3083.6629999003	30.73904378193867	105.6238729593253
295	375	275575	-176961.1413		10.7917317310250766	39.72383972343922	-101.4279423	2919.0811195184384	4399984.458715613	3398.899743455024	3100.1752366935514	3080.8001410107892	30.730077072069916	105.5822258565552
296	375	275576	-176241.1413		10.7917317310250766	39.72385184279486	-101.4255796	2921.10130629811	4399921.39907723	3395.254533661297	3100.758089948496	3080.0406696515423	30.71412126636176	105.4672330335355
297	375	275577	-175581.1413		10.7917317310250766	39.72386391685201	-101.4232348	2923.1114910410764	4399917.180186961	3394.0757323711956	3100.7587932286304	3072.827993158948	30.723989726201071	105.40780060678224
298	375	275578	-174921.1413		10.7917317310250766	39.72387594561044	-101.420801	2925.12167347773	4399913.20402865	3392.964131083106	3100.7425035141094	3068.112123	30.71862035233271	105.3296037630819
299	375	275579	-174261.1413		10.7917317310250766	39.723887929070735	-101.4185454	2927.1318544194906	4399909.106525428	3394.2941629336156	3100.74641764337	3068.5394239710453	30.700360404410454	105.20472367204275
300	375	275580	-173601.1413		10.7917317310250766	39.7238996723226	-101.4162007	2929.142033	4399905.09020462	3388.5994278965027	3101.0457344753636	3067.112799512577	30.6727636	105.17293702049163
301	375	275581	-172941.1413		10.7917317310250766	39.72391176009519	-101.4138559	2931.15220670215	4399903.921120498	3376.904586263898	3100.457583134024	3068.9732696610295	30.65425447466877	105.0483431307266
302	375	275582	-172281.1413		10.7917317310250766	39.7239230765953	-101.4115112	2933.1623842528053	4399908.815722991	3373.20995782766	3100.838132278115	3067.9837240127786	30.63730468	104.99195134120525
303	375	275583	-171621.1413		10.7917317310250766	39.7239354095252	-101.4091665	2935.172568097504	4399892.71862211	3369.0084653457302	3100.62998030132	3067.0026978596224	30.609.4076996417	104.93206127
304	375	275584	-170961.1413		10.7917317310250766	39.72394716689227	-101.4068217	2937.16273243966	4399886.62	3364.30077615754	3100.73431099929	3067.353413099929	30.598.7183653530044	104.8724726556214
305	375	275585	-170301.1413		10.7917317310250766	39.72395976569644	-101.40447	2939.162394077847	4399884.358150200	3363.765866278942	3100.81180976569	3067.458047147367	30.57191335491286	104.809297594711
306	375	275586	-169641.1413		10.7917317310250766	39.72397054	-101.4021323	2941.2013023466903	4399880.430491555	3363.883453557997	3101.046048173037	3067.119038360183	30.609.07537826826	104.741402431
307	375	275587	-168981.1413		10.7917317310250766	39.7239821600126	-101.3997876	2943.21322682143	4399874.334584705	3363.661255905526	3100.67432631698	3068.8961428455285	30.608.44562	104.69511871646395
308	375	275588	-168321.1413		10.7917317310250766	39.7239937417344	-101.3974428	2945.22338820409	4399872.239	3349.936012033346	3100.584272601829	3068.419900818013	30.607.84069868338	104.670282519681576
309	375	275589	-167661.1413		10.7917317310250766	39.72400572246885	-101.3950981	2947.2354762224	4399868.124	3348.2068618120375	3100.5639623192336	3067.001821020873612	30.595.7799571194014	104.6195678039435
310	375	275590	-167001.1413		10.7917317310250766	39.72401676	-101.3927354	2949.24781607355	4399864.04910846	3346.477711	3100.55.387481712465	3065.453930303535	30.604.291108973879	104.593355108291265
311	375	275591	-166341.1413		10.7917317310250766	39.72402819787234	-101.3904086	2951.25364858355	4399856.2549201	3345.765866278942	3100.53375152138	3065.9189853076074	30.597.9184829136967	104.5712064227207
312	375	275592	-165681.1413		10.7917317310250766	39.7240395734	-101.3880933	2953.2619004141	4399855.859811108	3345.072895528415	3100.5127832599431	3065.1071703599431	30.592.729055336494	104.550060059832
313	375	275593	-165021.1413		10.7917317310250766	39.724050941152456	-101.3857191	2955.2747147141945	4399857.76556093	3343.3793538933403	3100.547442247897	3061.3481702657307	30.590.548640483353	104.5293535899607
314	375	275594	-164361.1413		10.7917317310250766	39.7240622513173	-101.3837344	2957.284321871225	4399847.672	3342.668547266643	3100.241101124596	3060.2987269826263	30.598.587028423366	104.50027374963327
315	375	275595	-163701.1413		10.7917317310250766	39.724073503812086	-101.3810297	2959.294470236109	4399843.5775588	3342.414805476219	3100.476551405273304	3060.435870658004	30.588.81598727783	104.48219323683222
316	375	275596	-163041.1413		10.7917317310250766	39.72408471719351	-101.3786849	2961.3014616461863	4399839.48420138	3340.566234042926	3100.41028090561	3058.6753810036507	30.586.673502932946	104.47342849
317	375	275597	-162381.1413		10.7917317310250766	39.72409588527601	-101.3763402	2963.3147461059411	4399835.30965126	3340.317766959347	3100.4456635335983	3058.2468811133043	30.567.7353741743932	104.4613822620595
318	375	275598	-161721.1413		10.7917317310250766	39.7241070505761	-101.3743817	2965.32493477847	4399831.20739879	3340.01180976569	3100.452301802662	3057.981335491286	30.565.789991848625	104.4509297594711
319	375	275599	-161061.1413		10.7917317310250766	39.72411805545473	-101.3716507	2967.335049305473	4399825.200526854	3340.038192521783	3100.4431388718426	3058.095819989819	30.568.2592116698	104.4427176702362
320	375	275600	-160401.1413		10.7917317310250766	39.72412911772959	-101.369306	2969.341582339587	4399823.11473422	3340.07461761243	3100.4391463866027	3058.5227947211833	30.568.3626807418023	104.439184214487932
321	375	275601	-159741.1413		10.7917317310250766	39.7241401046167	-101.3669612	2971.355318785035	4399819.20120471	3337.68080517013	3100.387662137946	3058.7083005036747	30.568.72641816253	104.435865771
322	375	275602	-159081.1413		10.7917317310250766	39.7241510426303	-101.3646165	2973.365453249355	4399814.92803098	3337.28012703805163	3100.361250018993	3058.2070877711717	30.568.219846475958	104.43428414121
323	375	275603	-158421.1413		10.7917317310250766	39.7241619429188	-101.3622717	2975.375816429183	4399810.336123992	3337.0581243612959	3100.358454317019955	3059.753479689980	30.565.42991712905	104.43251599061662
324	375	275604	-157761.1413		10.7917317310250766	39.72417270348116	-101.359927	2977.387516213384	4399806.74484405	3336.94807861913	3100.33995442816	3060.3820414177227	30.560.3044892236062	104.4317320953297
325	375	275605	-157101.1413		10.7917317310250766	39.72418360373138	-101.357605	2979.4036270351	4399802.4242351	3336.824242351	3100.327084541613	3060.710815912658	30.561.7815912658	104.43039535305
326	375	275606	-156441.1413		10.7917317310250766	39.7241943596235	-101.3552375	2981.490126104195	4399800.519610099	3336.734200831555	3100.330451497002968	3060.515758039063	30.561.1022025854063	104.42975378021052
327	375	275607	-155781.1413		10.7917317310250766	39.724205074654236	-101.3528927	2983.416098185734	4399794.47068488	3336.635159524273	3100.329169988839	3060.855548127358	30.560.33536965747	104.42825176
328	375	275608	-155121.1413		10.7917317310250766	39.72421574444682	-101.350548	2985.462184025755	4399792.380720697	3336.47738138776	3100.32750203834486	3060.36454454299	30.560.2385520531266	104.42710463814981
329	375													

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatTLogKrg.ft	SatTBothKrg.ft
373	275689	-101661.1413		1937917.3170250766	39.24292955735207	-101.1606214	114328.9783036814	394959.818179359	2996.9008302656495	29.73.1636465167554	2939.841990921867	2938.4167355088293	33.2187359488583	34.747129007926105
410	373	275690	-101001.1413		1937917.3170250766	39.24295651254978	-101.1582766	115024.9750757915	4939455.768494105	2990.9414271486224	2971.033765155006	2937.544711036271	33.48866542778951	34.928940400965864
411	373	275691	-100241.1413		1937917.3170250766	39.249432242446906	-101.1559118	116181.9475422056	4939451.6737894948	2994.3790121269126	2989.164704161084	2935.16933292471144	33.99538922471144	35.12771459494642
412	373	275692	-96681.1413		1937917.3170250766	39.2496380704338	-101.1537867	115642.9680774136	4939447.4604671685	2997.22004851505	2977.72307491985	2933.075592	34.01712810414184	34.69751154217856
413	373	275693	-99021.1413		1937917.3170250766	39.24965713639275	-101.1512422	115627.96431138186	4939443.5342406909	3002.02569976027	2966.759222800674	2931.4942948320852	33.929552461262	35.18162744073197
414	373	275694	-96361.1413		1937917.3170250766	39.249638	-101.1489874	115828.9603631266	4939434.6348342527	3032.90439040676	2965.68193088822	2929.50250909564	33.9271912	36.18660849978974
415	373	275695	-97701.1413		1937917.3170250766	39.2497061	-101.1465526	116029.9652637096	4939432.39396878	3043.4214860602	2964.7594338417137	2928.1838630297343	33.9255862912755	36.157106558097939
416	373	275696	-9041.1413		1937917.3170250766	39.24972726242634	-101.1442078	116230.95202977594	4939431.33795876	3051.613727974657	2963.7414286664273	2926.716121180555	33.92393184355105	37.15530736817765
417	373	275697	-96361.1413		1937917.3170250766	39.249638051957	-101.141683	116181.9475422056	4939451.6737894948	2994.3790121269126	2989.164704161084	2935.16933292471144	33.99538922471144	35.12771459494642
418	373	275698	-9271.1413		1937917.3170250766	39.249595231212	-101.1395182	116152.94267978124	4939424.184618929	3007.9970272799343	2962.20459392253	2921.051642217269	33.9025405875004	41.124353757374176
419	373	275699	-95051.1413		1937917.3170250766	39.2495970708036	-101.1371734	116833.30839741235	4939433.9830761235	3063.342788827994	2961.42471	2921.0511011100875	33.91397	42.028972841880204
420	373	275700	-94401.1413		1937917.3170250766	39.25003572959085	-101.1348286	117034.93015119885	4939415.046420917	3084.621395804713	2960.6811658779566	2919.224751670462	34.2945256468221	44.3536911749448
421	373	275701	-93741.1413		1937917.3170250766	39.250100288548	-101.1324838	117235.92785145024	4939410.67757418	3088.342003132949	2959.973695710697	2917.512847094006	34.296183708306	44.460248682
422	373	275702	-93081.1413		1937917.3170250766	39.25016441475155	-101.130139	117436.92243767285	4939406.909	3094.8141023845253	2959.302841751347	2916.15723340440845	34.2943474040345	44.15460810726243
423	373	275703	-92421.1413		1937917.3170250766	39.25022877604056	-101.1277942	117637.9168820703	4939402.84091392	3101.07294052557	2958.669381231443	2914.7597409702958	34.2934672080125	44.3096460223403414
424	373	275704	-91761.1413		1937917.3170250766	39.25029127822226	-101.1254484	117838.9111	4939398.772858252	3112.555994753174	2958.0742688151674	2913.542582740448	34.2911964280775	44.5316840741956
425	373	275705	-91011.1413		1937917.3170250766	39.2502504	-101.1231406	118039.9508232066	4939394.705049492	3122.199046808524	2957.71667342126	2912.615629616899	34.2907862822906	44.1013772522709
426	373	275706	-90441.1413		1937917.3170250766	39.2504163482617	-101.1207598	118240.8991503206	4939390.637482659	3131.842106208534	2956.993595173783	2909.85506548711	34.29017828295956	44.153735666716
427	373	275707	-89781.1413		1937917.3170250766	39.2504781991194	-101.118415	118441.82885561	4939386.571505994	3138.02260744056	2956.517685086817	2908.838954802759	34.2904487258812	44.678931371
428	373	275708	-89121.1413		1937917.3170250766	39.250533696961	-101.1160702	118642.886443933	4939382.503054399	3146.7205747174843	2956.074949	2908.0376723487702	34.29086556075269	44.7193414899105
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431	373	275711	-87051.1413		1937917.3170250766	39.251460333067	-101.108458	119268.75892048997	4939371.6790911528	3148.964381984948	2954.8253868177	2907.248346977702	34.2905248369292	44.9135302720556
432	373	275712	-86481.1413		1937917.3170250766	39.250760852482	-101.106691	119464.859136477	4939362.23706655	3148.20019634485	2954.6511256553532	2903.57017348125	34.29043033464154	44.9135302720556
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436	373	275716	-83841.1413		1937917.3170250766	39.251014742303	-101.0973118	120250.82891717837	4939349.47476469	3148.666584646405	2953.666582929114	2892.365015113207	34.290074248986	44.9135302720556
437	373	275717	-83161.1413		1937917.3170250766	39.25107119921663	-101.094867	120451.82054770435	4939344.659721748	3148.782538273735	2953.46253869177	2891.248346977702	34.290074248986	44.9135302720556
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439	373	275719	-81861.1413		1937917.3170250766	39.2511850747464	-101.090274	120853.803677722	4939337.708546223	3149.130611710951	2953.058135761975	2888.889623443247	34.290074248986	44.9135302720556
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441	373	275721	-80541.1413		1937917.3170250766	39.25121965	-101.0855878	121255.7867085904	4939326.584424563	3122.260529039248	2952.641236513448	2904.0961199135085	34.290074248986	44.9135302720556
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447	373	275727	-76581.1413		1937917.3170250766	39.251620084167	-101.0715189	122461.7307368234	4939305.27284714	3121.7357939685645	2951.20378116676	2914.326810537659	34.290074248986	44.9135302720556
448	373	275728	-75921.1413		1937917.3170250766	39.2516742208016	-101.0691741	122662.72080265684	4939301.210599108	3121.07826909119	2950.92303968875	2912.941132174139	34.290074248986	44.9135302720556
449	373	275729	-75261.1413		1937917.3170250766	39.251724306731	-101.0668293	122863.7106967703	4939297.114848935	3120.402960215902	2950.62864763957	2911.1575367665228	34.290074248986	44.9135302720556
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451	373	275731	-73941.1413		1937917.3170250766	39.25182690767	-101.062194	123265.768342628	4939289.0846456	3120.341631198144	2950.18775524786	2907.248346977702	34.290074248986	44.9135302720556
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454	373	275734	-71961.1413		1937917.3170250766	39.251976384764	-101.0551052	123868.765831667	4939278.64122928	3120.32216306557	2949.09968862536	2901.643838237345	34.290074248986	44.9135302720556
455	373	275735	-71301.1413		1937917.3170250766	39.2520261014259	-101.0527604	124069.644646948	4939272.7814915	3120.32099035424	2948.79678900208	2902.176116826416	34.290074248986	44.9135302720556
456	373	2757												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SurfLogKrg.ft	SurfBoth.ft
537	375815	-1801.14133			10.791731310250766	39.2545491665844	-100.8651747	40148.21916731267	4389848.683361433	2947.030202527885	280.11038332465	2799.4040970974725	19.4401990108136	21.11034254973905
538	375816	-1741.14133			10.791731310250766	39.2545041329996	-100.8652299	340348.1948551615	4389844.615616156	2938.814194377084	281.71342464995372	2798.153072037883	19.784634693015606	19.78987486745896
539	375817	-1718.14133			10.791731310250766	39.2545167103845	-100.8646161	341569.5486822686	4389840.4601196295	2932.581865224316	281.3117785921	2798.07529654161	19.22425868479838	20.7818105308569
538	375818	-1652.14133			10.791731310250766	39.2545277241627	-100.8581402	400751.457394899	4389835.668589954	2925.369128345905	281.65142963196	2797.4137307013187	18.905085387279543	20.51173123280475
538	375819	-1586.14133			10.791731310250766	39.25453438	-100.8557954	400652.121	4389832.517770056	2913.2722717390213	280.9857884286705	2791.479235079018	18.78948314818346	18.506647350652414
540	375820	-1520.14133			10.791731310250766	39.2545494796145	-100.8534506	341153.0960176477	4389828.477700878	2905.3198041704068	280.723285048119	2788.64429023472316	18.49123261798352	17.93673156636046
541	375821	-1454.14133			10.791731310250766	39.2545597053367	-100.8511057	341354.0702639234	4389824.366238408	2891.0168995063027	280.484211289389	2786.4930219274042	18.09118936198456	18.628880417292488
542	375822	-1389.14133			10.791731310250766	39.2545694596962	-100.8487609	341555.0458185605	4389820.396304955	2878.713737308003	280.1861351360925	2784.54711518104	17.41423616779832	17.53830571048605
543	375823	-1322.14133			10.791731310250766	39.25457878103845	-100.8464161	341759.6486822686	4389816.356332003	2864.083775521983	278.7581677875203	2782.9236732570023	15.923004716268203	17.100856798032818
544	375824	-1256.14133			10.791731310250766	39.254587605367	-100.8440713	341956.947373215	4389812.316510057	2852.12628432214	276.382051	2780.38054172624	15.0935307605664	15.93556504354759
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548	375828	-992.141327			10.791731310250766	39.2546184725181	-100.8346919	342760.89110692486	438998.15964041	2885.081642639367	2785.339947576873	2775.312256280265	10.273489484982	10.976486769647184
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551	375831	-794.141327			10.791731310250766	39.2546366320886	-100.827675	343363.81171676284	4389884.043181838	2893.384172733233	2777.011166092175	2770.4784587610977	6.6789083347397	6.5332038119713
552	375832	-728.141327			10.791731310250766	39.2546428740654	-100.8253126	343564.780053947	4389880.006372875	2897.28437386515528	2768.745355472107	2767.864715102107	5.452993133	7.3641727324644
553	375833	-662.141327			10.791731310250766	39.2546468	-100.8229678	343765.75803349284	4389878.96861454	2874.715270086746	2771.4719913228346	2766.485779879604	4.762404793324876	6.64565119975837
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556	375836	-464.141327			10.791731310250766	39.2546584540359	-100.8159333	344367.6377779609	4389863.556334382	2897.96047543306	2763.244611	2759.6922433547	1.759205231886997	3.54531831233336
557	375837	-398.141327			10.791731310250766	39.254668571919	-100.8136816	344569.6486822686	4389859.3401654	2898.1083458432716	2760.5891153546983	2757.48891153546983	0.8053494171713	3.561733896167
558	375838	-332.141327			10.791731310250766	39.25466391925316	-100.8112437	344770.6211855946	4389855.733822295	2844.2550471342738	2757.859871175903	2755.6229104205563	0.25934697	2.69554057939233
559	375839	-266.141327			10.791731310250766	39.2546692723373	-100.8088988	344971.593307277	4389851.74731789	2845.22022669233	2755.21448816405	2753.85893865205	0.275340505267144	1.336500117100028
560	375840	-200.141327			10.791731310250766	39.2546756274054	-100.806554	345172.56540207786	4389847.171248046	2845.068505503756	2752.597571708141	2752.299785410369	0.1567604888145	0.927786271718396
561	375841	-134.141327			10.791731310250766	39.254687194573	-100.8042992	345373.5372841523	4389843.675412672	2847.88548311279	2750.138877407753	2750.138877407753	0.041720058535426	0.910722065553604
562	375842	-68.1413269			10.791731310250766	39.2546944134928	-100.8018463	345574.5090170561	4389839.638911764	2850.706263118802	2747.485338625376	2748.195964438573	0.748769344640328	
563	375843	-2.1413269			10.791731310250766	39.254699849968	-100.7996195	345775.0486822686	4389834.804455132	2848.1038791495267	2748.537869859524	2748.537869859524	0.0000000000000	0.0000000000000
564	375844	64.1413269			10.791731310250766	39.254699849968	-100.7996195	345775.0486822686	4389834.804455132	2848.1038791495267	2748.537869859524	2748.537869859524	0.0000000000000	0.0000000000000
565	375845	129.8586730733514			10.791731310250766	39.254668775018	-100.7942899	346177.4323281097	4389827.534415748	2832.039576447797	2740.132131714051	2748.587143241853	0.74851190231	
566	375846	195.8586730733514			10.791731310250766	39.2546676594724	-100.792485	346378.394610971	4389823.497526165	2824.0091660178914	2737.769580787253	2748.0578588052003	0.7485350002919	
567	375847	261.8586730733514			10.791731310250766	39.2546660843245	-100.7901402	346579.3654512425	4389815.45332307	2819.101819018853	2735.4129778230313	2749.528635105306	0.748494380372988	
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569	375849	393.8586730733514			10.791731310250766	39.2546619872864	-100.7854058	346981.3068794115	4389811.39716971	2815.332531882514	2730.0083694599	2748.95899520837	0.748454941712936	
570	375850	459.858673073351			10.791731310250766	39.254658571919	-100.7831075	347192.273434954	4389807.363444225	2817.47482947723	2748.11309194575	2748.11309194575	0.0000000000000	0.0000000000000
571	375851	525.858673073351			10.791731310250766	39.2546552770016	-100.7807609	347393.2734955447	4389803.29963119	2812.101961302027	2726.26374419595	2748.058934862187	0.748340493093101	
572	375852	591.858673073351			10.791731310250766	39.2546514379541	-100.778416	347584.2181078305	4389799.2966389	2810.592230400988	2724.0155103872023	2745.502746690493	0.748369874447575	
573	375853	657.858673073351			10.791731310250766	39.2546471488111	-100.7760712	347785.1882973223	4389795.26364032	2808.08249049077	2721.770037	2740.272814855273	0.74834591951314	
574	375854	723.858673073351			10.791731310250766	39.2546424066519	-100.7737264	347986.1582516703	4389791.32086036	2807.5272680718587	2719.5466945557214	2739.5910554186426	0.74833851487991	
575	375855	789.858673073351			10.791731310250766	39.25463821714762	-100.7713816	348187.1280641197	4389787.198	2803.330493667414	2717.3226563980816	2738.050486800258	0.748333131121	
576	375856	855.858673073351			10.791731310250766	39.2546315828426	-100.769307	348388.097072835	4389783.166013808	2796.364754858417	2715.1035241909613	2732.851710445345	0.7483236886924	
577	375857	921.858673073351			10.791731310250766	39.2546240459784	-100.7671075	348591.33829119	4389779.33829119	2794.71889387568165	2713.889387568165	2719.715622447736	0.74831622447736	
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581	375861	1185.858673073351			10.791731310250766	39.2545965270832	-100.7573126	349392.943840426	4389763.00781422	2767.439634043932	2704.084477225195	2706.6119892385937	0.74831065196822	
582	375862	1251.858673073351			10.791731310250766	39.254588167945	-100.7549878	349593.912666206	4389759.70717996	2762.836515451203	2701.872710163691	2704.295736320246	0.74830984269615	
583	375863	1317.858673073351			10.791731310250766	39.2545794414895	-100.7526229							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgrg.ft	BRRElevBothKgrg.ft	SatThKgrg.ft	SatThBoth.ft			
63	37	275941	64658.85867307335	7317917.3170250766	39.2545969587824	-100.5697267	66540.0067234323	398441.274	2781.6909580579256	2614.964129	2639.6433124963983	2639.9366650475883	0	0			
662	373	275942	65318.85867307335	7317917.3170250766	39.2524510884727	-100.5673819	66570.96457790139	398437.262265714	2790.214352358911	2615.2666694332763	2637.2708445507495	2637.6070830120878	0	0			
663	373	275943	66938.85867307335	7317917.3170250766	39.2524082326546	-100.5660371	66587.92200804474	398439.501291324	2815.5957929383207	2634.45834586984	2638.9046910293234	2638.9046910293234	0	0			
664	373	275944	66338.85867307335	7317917.3170250766	39.25236051449095	-100.5626023	66627.8709801665	398429.239	2786.91066641621	2615.9786549136693	2631.366424580567	2631.896777327478	0	0			
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666	373	275946	67958.85867307335	7317917.3170250766	39.2522681285009	-100.5580027	66647.7947243267	398421.21579644	2776.823482952191	2616.858808738717	2624.994160148354	2625.634306	0	0			
667	373	275947	68618.85867307335	7317917.3170250766	39.25222125599764	-100.5556578	66675.7519410704	398417.240672524	2769.8757939645	2617.3495026226598	2621.877250076036	2622.842362257387	0	0			
668	373	275948	69278.85867307335	7317917.3170250766	39.252173930478	-100.553313	66676.7093049165	398413.19396756	2817.324243158684	2617.869470607050	2618.820561720943	2619.9635401821345	0	0			
669	373	275949	69938.85867307335	7317917.3170250766	39.252135154415	-100.5509865	66707.76589274857	398409.183403807	2816.415111597816	2618.415111597816	2619.415111597816	2619.415111597816	0	0			
670	373	275950	70598.85867307335	7317917.3170250766	39.2520773204005	-100.5486234	66728.822816134	398405.17307715	2744.027054057803	2618.92304262174	2613.0308565751577	2614.200107179623	2614.200107179623	0	0		
671	373	275951	71258.85867307335	7317917.3170250766	39.2520292356458	-100.5462788	66749.87520356458	398401.163	2743.380522714522	2619.568306345891	2610.2279737365026	2611.4257199887971	2612.340289383349	31.777241276105451	0	0	
672	373	275952	71918.85867307335	7317917.3170250766	39.2519800927681	-100.543938	66760.5361	398397.15111849	2750.1751255	2620.172743232978	2607.7601126726095	2608.844280754766	2611.4257199887971	11.28835157822126	0	0	
673	373	275953	72578.85867307335	7317917.3170250766	39.2519305076787	-100.541589	66781.49267473794	398393.143479643	2758.129614363982	2620.7948735379982	2605.4859651207253	2606.504470734754	13.50880841727296	14.2244627675814	0	0	
674	373	275954	73238.85867307335	7317917.3170250766	39.251890464095	-100.5392442	66802.49	398389.14208994	2765.492716239677	2621.430485682287	2603.340236	2604.538881960944	2609.7201219044871	16.90156073124333	0	0	
675	373	275955	73898.85867307335	7317917.3170250766	39.251826464095	-100.536993	66823.405208379	398385.134989989	2621.074062	2601.7148959568763	2602.6759487458675	2603.8991437044875	19.983813045201326	0	0		
676	373	275956	74558.85867307335	7317917.3170250766	39.2517780178809	-100.534545	66844.861286579	398381.11589173	2778.30925551426	2622.7210271791615	2600.74102601844	22.3016239476025	21.98089895732563	0	0		
677	373	275957	75218.85867307335	7317917.3170250766	39.2517276152604	-100.5322097	66865.817232929	398377.10293375	2781.194843685927	2623.3709748001146	2598.891458269025	2599.191085171285	24.4796922423005	24.17993323785605	0	0	
678	373	275958	75878.85867307335	7317917.3170250766	39.2516757596293	-100.529649	66886.2730674246	398373.09833475	2786.00047321945	2624.018213411926	2597.356214198969	2597.56214198969	26.1699214126686	26.36195141226888	0	0	
679	373	275959	76538.85867307335	7317917.3170250766	39.2516235049878	-100.5275201	66908.22876912757	398369.090060865	2786.710271028222	2624.659207556902	2596.35070099455	2596.63125549754	28.302473457446814	29.02308196232252	0	0	
680	373	275960	77198.85867307335	7317917.3170250766	39.25157630	-100.5251753	66928.184466544	398365.0820473	2786.3051336134	2625.289136735421	2594.796678735421	2594.796678735421	30.24917363071293	31.023073307179703	0	0	
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682	373	275962	78518.85867307335	7317917.3170250766	39.25147346700714	-100.5204857	66970.0512795875	398357.06732578	2784.979253749916	2625.90293744722	2591.57069919698	2594.3681345524587	34.9681345524587	36.03635760404395	0	0	
683	373	275963	79178.85867307335	7317917.3170250766	39.2514098581474	-100.518409	66991.5023514857	398353.06043144	2784.94312567914	2629.202056539536	2591.4351679121	2591.4351679121	36.10453775604395	37.2302471389925	0	0	
684	373	275964	79838.85867307335	7317917.3170250766	39.2513511262764	-100.5157961	70092.005412303	398349.05254167	2787.219101823763	2627.591673431227	2588.305385377245	2588.305385377245	38.2625179553813	40.67059690130271	0	0	
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686	373	275966	81158.85867307335	7317917.3170250766	39.2512446062137	-100.5110614	70493.91520133696	398341.03952122	2787.44985470495	2628.528404049358	2584.708274023473	2583.159168180214	43.8201300260482	45.36924216942543	0	0	
687	373	275967	81818.85867307335	7317917.3170250766	39.251187349245	-100.5087616	70694.8699102648	398337.033	2783.364384141986	2629.03232829345	2582.46865780527	2581.36220739077	45.45157570247354	47.55803258387735	0	0	
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690	373	275970	83798.85867307335	7317917.3170250766	39.2510271712719	-100.5017724	71293.16051721719	398325.0013097412	2792.164103095742	2630.50438031201	2579.3718588197178	53.0242471389925	54.50816071652898	54.50816071652898	0	0	
691	373	275971	84458.85867307335	7317917.3170250766	39.25096042151334	-100.4993284	71498.661713104	398321.01049972	2794.560348172396	2629.808937662725	2579.3718588197178	55.6281908740373	56.824890000286	56.824890000286	0	0	
692	373	275972	85118.85867307335	7317917.3170250766	39.2509022147457	-100.4970376	71699.6451613047	398317.00485491	2798.13400616758075	2629.8582757580875	2571.6683394791626	57.504016725846	58.189396274964	59.2181549924136	59.2181549924136	0	0
693	373	275973	85778.85867307335	7317917.3170250766	39.250843563968	-100.4946828	71900.595851964	398313.99999102	2796.709386155395	2629.81867324092	2569.424037	56.7678529248046	60.39083032186231	61.8295748322759	61.8295748322759	0	0
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697	373	275977	88418.85867307335	7317917.3170250766	39.25060493477466	-100.4853138	72704.0142069514	398296.98327913	2792.559364044732	2628.84626938245	2557.770820259454	59.5667952684814	61.04537775604395	62.16453775604395	62.16453775604395	0	0
698	373	275978	89078.85867307335	7317917.3170250766	39.2505543149554	-100.482968	72905.363626027	398292.97857761	2792.1647620701	2628.42182371957	2554.185822246374	59.5667952684814	61.04537775604395	62.16453775604395	62.16453775604395	0	0
699	373	275979	89738.85867307335	7317917.3170250766	39.2504821467255	-100.480624	73106.361762042	398288.975014651	2793.031883516176	2625.918767783321	2551.07467783321	60.474273673321	61.04537775604395	62.16453775604395	62.16453775604395	0	0
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701	373	275981	91058.85867307335	7317917.3170250766	39.2503580494473	-100.4759344	73508.2229734125	398280.9688307	2793.5205491998445	2626.780992240698	2552.99525508714	59.5667952684814	61.04537775604395	62.16453775604395	62.16453775604395	0	0
702	373	275982	91718.85867307335	7317917.3170250766	39.25029532159546	-100.473598	73716.176801082	398276.9636	2793.767047473832	2626.128794940738	2552.99525508714	59.5667952684814	61.04537775604395	62.16453775604395	62.16453775604395	0	0
703	373	275983	92378.85867307335	7317917.3170250766	39.2502354985814	-100.471263	73923.4567744567	398272.									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevBothKgrg.ft	SatHtVeg.ft	SatHtBoth.ft
47	374	276007	-340581.1413		103857.7317025076	36.72124847000779	-102.0094145	42063.8252816438	4401150.38922924	3639.4331814205357	34.074022901127617	34.0537065921848	35.50522419091385	34.4793832643666
48	374	276008	-339921.1413		103857.7317025076	36.72127182304459	-102.00707	42254.5065720386	4401146.382734498	3632.1854740539812	34.73598195790595	34.73598195790595	35.2743525409786	35.2743525409786
49	374	276009	-339261.1413		103857.7317025076	36.72128313070104	-102.0047258	42426.9537661099	4401142.25164811	3671.338247565011	34.81184199676007	34.81184199676007	35.15204738841037	35.0481130047388
50	374	276010	-338601.1413		103857.7317025076	36.72131830334589	-102.002381	42657.05049511875	4401138.068193859	3671.690053731071	34.682961665967134	34.3436516843567	34.342410714224206	34.72105930542703
51	374	276011	-337941.1413		103857.7317025076	36.72134610400496	-102.0000365	42688.15270644824	4401133.91146132	3618.3878960437394	34.68250097441733	34.322888052	34.33187340113327	34.29396743259312
52	374	276012	-337281.1413		103857.7317025076	36.72136478228183	-101.997892	43059.1993979483	4401129.754968127	3626.0151372566943	34.543776758968	34.324240087759513	34.543776758968	34.3596680797574
53	374	276013	-336621.1413		103857.7317025076	36.7213809886285	-101.9953475	43260.27370476626	4401125.598713328	3625.674065769218	34.61825791978127	34.31116970510164	34.324202608146378	35.70882152596323
54	374	276014	-335961.1413		103857.7317025076	36.72141090915249	-101.993003	43461.3427876652	4401121.42697249	3631.301803383693	34.5948818650474	34.31119329734243	34.31674209446028	34.3948891623095
55	374	276015	-335301.1413		103857.7317025076	36.72143460740234	-101.9906584	43682.426585100338	4401117.26891858	3639.569694724104	34.57107159008085	34.3102431194032	34.57107159008085	35.07840370864546
56	374	276016	-334641.1413		103857.7317025076	36.7214571685748	-101.9883139	43863.494160337	4401113.1381182	3620.51053962967	34.54762946534756	34.30913238766075	34.31459104622832	35.035093064539
57	374	276017	-333981.1413		103857.7317025076	36.72147966227271	-101.9859564	44064.56721701365	4401108.9706118	3612.424575726296	34.52436789	34.31285338125374	34.83812260876948	35.2145074425552
58	374	276018	-333321.1413		103857.7317025076	36.72150286239642	-101.9836249	44265.64002002144	4401104.821019809	3604.3385145672048	34.5012408941544	34.30458498783744	34.3112035091463	35.0919284233974
59	374	276019	-332661.1413		103857.7317025076	36.721525712728545	-101.9812804	44466.71250754053	4401100.666197135	3593.146923024298	34.4782072214224	34.304725091426514	34.70739092156713	37.10988907876264
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61	374	276021	-331341.1413		103857.7317025076	36.72157120101782	-101.9765914	44868.8869129655	4401092.357267789	3564.552529	34.432660270484293	34.304710210464967	34.304605298137346	35.09489134794764
62	374	276022	-330681.1413		103857.7317025076	36.721594040797489	-101.9742468	45069.9287054442	4401088.203161089	3550.255907	34.42630632521315	34.2970709271458947	34.42630632521315	35.09489134794764
63	374	276023	-330021.1413		103857.7317025076	36.7216166364017	-101.9719023	45272.0002426117	4401084.498293025	3539.777223	34.423293581705	34.298197359197605	34.298197359197605	35.09489134794764
64	374	276024	-329361.1413		103857.7317025076	36.721639312013664	-101.9695578	45471.007515348517	4401079.89563369	3533.116875024196	34.36504299171978	34.28252263260654	34.28860317614214	35.09489134794764
65	374	276025	-328701.1413		103857.7317025076	36.72166180509274	-101.9672133	45673.1425781411	4401075.427227796	3526.456572006939	34.34266629670639	34.2757598603217	34.2757598603217	35.09489134794764
66	374	276026	-328041.1413		103857.7317025076	36.7216843288501	-101.9648687	45874.2135731502	4401071.589120616	3519.796179729686	34.32040884243427	34.2519601468562636	34.2519601468562636	35.09489134794764
67	374	276027	-327381.1413		103857.7317025076	36.72170692538279	-101.9625242	46067.28399150662	4401067.436207704	3519.562371641757	34.29280217545384	34.24236873793916	34.24236873793916	35.09489134794764
68	374	276028	-326721.1413		103857.7317025076	36.7217293758857	-101.9601797	46276.3541761814	4401063.284	3525.751030076357	34.27469217654206	34.242760389	34.242760389	35.09489134794764
69	374	276029	-326061.1413		103857.7317025076	36.72175210402344	-101.9578468	46478.3291485858	4401059.13109551	3525.84453397682	34.25814643397682	34.242760389	34.242760389	35.09489134794764
70	374	276030	-325401.1413		103857.7317025076	36.72177413112401	-101.9554506	46678.4398843426	4401054.97897936	3538.140565373763	34.237873602876	34.24154078243905	34.24154078243905	35.09489134794764
71	374	276031	-324741.1413		103857.7317025076	36.721796442538	-101.9531461	46879.5635195302	4401050.82683743	3541.81393436683	34.220966457930527	34.241618204742247	34.241618204742247	35.09489134794764
72	374	276032	-324081.1413		103857.7317025076	36.7218187049097	-101.9508016	47080.6328004185	4401046.65781213	3542.961717495954	34.1879630687419	34.2414215606195107	34.2414215606195107	35.09489134794764
73	374	276033	-323421.1413		103857.7317025076	36.7218409293618	-101.948457	47281.70183123965	4401042.523736075	3544.12224155124	34.16197282071093	34.241544373589302	34.241544373589302	35.09489134794764
74	374	276034	-322761.1413		103857.7317025076	36.72186310720011	-101.9461125	47482.702752117	4401038.372	3545.27365603694	34.1418768253863	34.24107300898147	34.24107300898147	35.09489134794764
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76	374	276036	-321441.1413		103857.7317025076	36.72190731770203	-101.9414234	47884.9075251511	4401030.70711955	3532.961467865034	34.23691467865034	34.23691467865034	34.23691467865034	35.09489134794764
77	374	276037	-320781.1413		103857.7317025076	36.72192935034966	-101.9390789	48085.975581502	4401025.92013149	3534.366825307866	34.230768625456843	34.230768625456843	34.230768625456843	35.09489134794764
78	374	276038	-320121.1413		103857.7317025076	36.7219513358845	-101.9367343	48287.0433418429	4401021.769902302	3515.77790379599	34.20547779039244	34.230768625456843	34.230768625456843	35.09489134794764
79	374	276039	-319461.1413		103857.7317025076	36.7219730327948	-101.9343898	48488.1106763012	4401017.62	3504.9356310864155	34.203152966114563	34.230768625456843	34.230768625456843	35.09489134794764
80	374	276040	-318801.1413		103857.7317025076	36.72199502677995	-101.9320452	48689.11786130182	4401013.470038965	34.918756340253	34.2002632393232	3398.836912269904	3398.836912269904	35.09489134794764
81	374	276041	-318141.1413		103857.7317025076	36.7220170463897	-101.9297007	48890.2540091273	4401009.230465201	34.77776997575455	3398.568833058298	3398.229540536051	3398.229540536051	35.09489134794764
82	374	276042	-317481.1413		103857.7317025076	36.72203897779377	-101.9273612	49091.3119092237	4401005.17112942	34.65700231161453	3398.23946727343	3398.650205854694	3398.650205854694	35.09489134794764
83	374	276043	-316821.1413		103857.7317025076	36.7220606	-101.9250116	49290.258323512	4401001.02203175	34.5812917917442	3393.9102306638	3398.442659552384	3398.442659552384	35.09489134794764
84	374	276044	-316161.1413		103857.7317025076	36.72208238146204	-101.92267	49493.4448263005	4400996.87174902	34.46347532377263	3391.572943840425	3397.9052878979305	3397.9052878979305	35.09489134794764
85	374	276045	-315501.1413		103857.7317025076	36.7221040453815	-101.9203225	49694.51067269516	4400992.74555106	34.3465555	3389.26993041055	3386.36403855673	3386.36403855673	35.09489134794764
86	374	276046	-314841.1413		103857.7317025076	36.72212567324144	-101.9179779	49895.576717242	4400988.57137385	34.25286797878896	3388.98155020454	3384.501250972317	3384.501250972317	35.09489134794764
87	374	276047	-314181.1413		103857.7317025076	36.7221476373996	-101.9156334	50096.66223259975	4400984.428093032	34.9322661229585	3386.5614472927628	3382.735115302696	3382.735115302696	35.09489134794764
88	374	276048	-313521.1413		103857.7317025076	36.72216880533092	-101.9132888	50297.2759135451	4400980.28012638	34.831861140928434	3382.2303133846087	3380.776058	3380.776058	35.09489134794764
89	374	276049	-312861.1413		103857.7317025076	36.722190319846	-101.9109578	50498.321198463	4400976.19852391	34.7389111248418	3381.76892784576	3380.442659552384	3380.442659552384	35.09489134794764
90	374	276050	-312201.1413		103857.7317025076	36.7222117521613	-101.9085997	50699.8373953072	4400971.96530398	34.7018190341979	3377.3135484084	3377.3135484084	3377.3135484084	35.09489134794764
91	374	276051	-311541.1413		103857.7317025076	36.7222331574432	-101.9062551	50900.902	4400967.837844039	3399.8778227859305	3375.3755514509357	3376.037022584373	3376.037022584373	35.09489134794764
92	374	276052	-310881.1413		103857.7317025076	36.72225517829484	-101.9039106	51103.19628280912	4400963.691	3392.26600304935	3373.240478928548	3374.7936517615876	3374.7936517615876	35.09489134794764
93	374	276053	-310221.1413		103857.7317025076	36.722277583	-101.9015656	51303.0303195252	4400959.54481203	3384.655978163655	3371.314639597626	3373.032303342733	3373.032303342733	35.09489134794764
94	374	276054	-309561.											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRIElevKgm.f	BRIElevBothKgm.f	SatThKlogm.f	SatThBoth.ft
173	374	276193	-257421.1413	1038573.710250766	39.72383427111658	-101.7139967	267387.377944925	4400628.5790384635	3484.013157335345	339.6983766619546	3257.9999000657475	3259.859626278532	71.07147659620716	79.83874833824263
174	374	276194	-256761.1413	1038573.710250766	39.72385191714204	-101.7118521	267588.4273740047	4400624.45118139785	3481.625599	336.689146824014	3256.47734282647	3258.4885016041964	71.2119038917613	80.0047124017674
175	374	276195	-256101.1413	1038573.710250766	39.72386951767135	-101.7093074	267789.4674960025	4400623.324427705	3481.63786543394	335.6746465739677	3254.890043019807	3255.7081500191007	71.86363147894187	81.96431456993114
176	374	276196	-255441.1413	1038573.710250766	39.72387703344755	-101.7069627	267990.5117786216	4400616.197474839	3484.06885315717	333.6477939300253	3253.68757752329	3254.0714933730606	73.8542116135521	82.57648011993925
177	374	276197	-254781.1413	1038573.710250766	39.72390458344138	-101.7046181	268191.5559319433	4400610.270673731	3486.4991711984403	333.6516234158196	3251.275614701037	3252.4923903082768	73.8632645715678	83.12265248916885
178	374	276198	-254121.1413	1038573.710250766	39.72392204828202	-101.7022734	268392.5999	4400607.94204901	3488.930506981134	333.4537436790755	3249.6041122776355	3251.457442049686	74.9696316143098	83.1162162390835
179	374	276199	-253461.1413	1038573.710250766	39.72393947	-101.6999287	268593.6436	4400603.81050589	3489.3075022763376	333.5229430158965	3247.9473804891993	3250.557450584182	75.85756254669726	83.0377899214037
180	374	276200	-252801.1413	1038573.710250766	39.7239564204744	-101.6978984	268794.6870236336	4400599.692	3487.630512126247	333.2404681777373	3246.333941375899	3250.480171128209	76.101450204808	81.88770859682609
181	374	276201	-252141.1413	1038573.710250766	39.72397317102617	-101.6958294	268995.7302651003	4400595.56630933	3486.3532154116804	333.1399220483978	3244.856579042743	3251.6242588357244	77.14662597037079	82.7768632625367
182	374	276202	-251481.1413	1038573.710250766	39.72399145484147	-101.6935247	269196.7327303063	4400591.40477742	3484.752509493537	332.3025222150735	3242.719663420515	3251.462277531272	78.70765557301127	83.9334961532782
183	374	276203	-250821.1413	1038573.710250766	39.72400869304037	-101.69095	269397.8160562884	4400587.31544305	3483.505992	332.92425850075615	3240.943455529254	3248.370422273708	79.28629247963612	80.8695417843074
184	374	276204	-250161.1413	1038573.710250766	39.7240258610283	-101.6882053	269598.8586251027	4400583.190476616	3483.6543812973397	332.8150153202872	3239.009275063194	3249.256067456722	79.4089225967894	78.89321374045116
185	374	276205	-249501.1413	1038573.710250766	39.72404303386874	-101.6858067	269799.9059576714	4400579.05456881	3483.7963174834982	332.70496550148778	3237.1984475967147	3247.970197	79.85120741816309	79.07945738163773
186	374	276206	-248841.1413	1038573.710250766	39.72406013633822	-101.683516	270000.943035023	4400574.9410734395	3483.903630726539	332.5491513765405	3234.965089576984	3246.050676396006	80.95642418846537	81.20512980400489
187	374	276207	-248181.1413	1038573.710250766	39.72407719351111	-101.6811713	270210.9849428379	4400570.816733945	3483.042363439743	332.42615133994084	3234.82615133994084	3239.025106640032	82.034867162152906	85.79964067
188	374	276208	-247521.1413	1038573.710250766	39.7240942	-101.678026	270430.02659582	4400566.092638153	3481.107159779738	332.370409489345	3230.48939645896	3235.351844	82.1146902475554	86.352250702516
189	374	276209	-246861.1413	1038573.710250766	39.7241117196708	-101.6748419	270604.0602282606	4400562.56870678	3477.17116825509	332.2747116825509	3228.077668626815	3232.188878732375	84.96827194139652	90.38705270170299
190	374	276210	-246201.1413	1038573.710250766	39.72412803250116	-101.6714713	270805.109223851	4400558.445159968	3477.23511205672	332.14543217258063	3225.578787495126	3228.380211034814	86.2242223060222	93.06211069092091
191	374	276211	-245541.1413	1038573.710250766	39.724149823644	-101.6717926	271006.1501962465	4400554.341777011	3476.589597494627	332.303870808889	3223.02863124706	3225.2791871173393	87.27580786419284	95.0246873155957
192	374	276212	-244881.1413	1038573.710250766	39.72416179990269	-101.6694479	271207.190049117376	4400550.18832011	3476.2147197175077	331.9161199391135	3220.5071692213396	3221.58879350166	87.6540301699565	97.57247404069036
193	374	276213	-244221.1413	1038573.710250766	39.7241789531897	-101.6671032	271408.234738154	4400546.05724688	3477.924004006914	331.8104880174329	3218.144122760423	3218.512217280412	89.74078363005	99.50266238
194	374	276214	-243561.1413	1038573.710250766	39.72419532415046	-101.6647589	271609.271773947	4400541.95305532	3476.584381671425	331.616493817495	3216.134121759008	3215.594416309656	90.713134383658	101.271021220882
195	374	276215	-242901.1413	1038573.710250766	39.7242129021435	-101.6614835	271810.6475861095	4400537.191021569	3475.01169688977	330.8715354275383	3214.1594999154036	3213.971226571474	91.177226571474	101.242021725835
196	374	276216	-242241.1413	1038573.710250766	39.72422869717	-101.660091	272011.3516938200	4400533.70482701	3501.21583140217	331.4355933108285	3213.303376202424	3212.0045746458904	91.12501168156558	104.5617182620738
197	374	276217	-241581.1413	1038573.710250766	39.72424557382236	-101.6577245	272212.3913238382	4400529.586472013	3516.08053442295	331.4037591587094	3212.2927595645315	3210.882648806291	91.1109959417788	105.5582100300838
198	374	276218	-240921.1413	1038573.710250766	39.72426183283099	-101.6553798	272413.4307252414	4400525.46472508	3530.945202863245	331.246853770401	3211.425449008071	3205.520858442162	90.8214047232962	106.72596832818454
199	374	276219	-240261.1413	1038573.710250766	39.72427835	-101.6530351	272614.469026159	4400521.34321358	3538.102032382035	331.0889887918083	3210.8173926968916	3209.46067623938	91.2715960941673	108.6829216246857
200	374	276220	-239601.1413	1038573.710250766	39.72429481475414	-101.6508094	272815.508	4400517.2220277395	3537.552059131506	330.930458456266	3210.9040729534654	3209.511964131391	90.02638289246124	114.6148711727357
201	374	276221	-238941.1413	1038573.710250766	39.724311237775154	-101.6484357	273016.5475861095	4400513.171021569	3538.1715354275383	330.8715354275383	3210.9040729534654	3209.511964131391	91.177226571474	101.242021725835
202	374	276222	-238281.1413	1038573.710250766	39.72432775150395	-101.646001	273217.586192569	4400507.820028845	3538.2104555400424	330.8145455400424	3210.9040729534654	3209.511964131391	92.164571742272	101.242021725835
203	374	276223	-237621.1413	1038573.710250766	39.72434394792753	-101.6436563	273418.624758958	4400503.7859119963	3534.166933489046	330.6454942032735	3212.7914940115873	3210.882648806291	93.6606532916823	108.520129199356
204	374	276224	-236961.1413	1038573.710250766	39.72436023505402	-101.6413116	273619.6625322447	4400500.79426584	3530.148486	330.528930136328	3212.9484280191565	3205.17273743816	92.339684761143	110.1165565231134
205	374	276225	-236301.1413	1038573.710250766	39.72437647688338	-101.6389669	273820.70037376415	4400496.61937071	3526.1299994262945	330.4123461368018	3212.670170035214	3211.167644	91.4532913426012	92.5851768716821
206	374	276226	-235641.1413	1038573.710250766	39.72439267341557	-101.6366222	274013.737989720	4400492.49556276	3522.1114539294732	330.25495192154387	3212.385796711777	3209.795147572975	90.5696254410816	93.1605147014125
207	374	276227	-234981.1413	1038573.710250766	39.72441227581295	-101.6342775	274222.77581295	4400488.38	3520.24720554596	330.1784757873997	3211.648319629995	3209.511964131391	91.3643815824025	94.3230203881926
208	374	276228	-234321.1413	1038573.710250766	39.7244293595829	-101.6319438	274423.91561708	4400484.200283845	3520.24720554596	330.1784757873997	3211.648319629995	3209.511964131391	92.164571742272	101.242021725835
209	374	276229	-233661.1413	1038573.710250766	39.724440991228796	-101.6295881	274624.8489	4400478.145233165	3520.24720554596	330.1784757873997	3211.648319629995	3209.511964131391	93.1605147014125	101.242021725835
210	374	276230	-233001.1413	1038573.710250766	39.72445700571996	-101.6272434	274825.86826376	4400476.02265334	3521.1166454714	329.82479801738145	3205.5747003401357	3201.2354617565825	92.164571742272	101.242021725835
211	374	276231	-232341.1413	1038573.710250766	39.7244727961787	-101.6248887	275026.9227319727	4400470.904024892	3518.370014712635	329.706961967133	3202.468110060196	3199.71525929187	94.5925861369363	97.3454391950037
212	374	276232	-231681.1413	1038573.710250766	39.7244880136641	-101.622554	275227.9591057633	4400467.78561393	3512.58692998335	329.6702696026785	3199.1851618757873	3217.392970459387	96.6685717268915	98.4773914329122
213	374	276233	-231021.1413	1038573.710250766	39.7245047808175	-101.6202995	275428.9950784142	4400463.76474959	3508.804368946027	329.6147168082613	3198.1135638350365	3216.93249385057	98.363027358474	100.0521674011558
214	374	276234	-230361.1413	1038573.710250766	39.72452061	-101.6178465	275630.0302013334	4400459.54658729	3501.027670205727	329.4259191286613	3215.52035063795	3211.923284417071	99.163481489646	102.153608688394
215	374	276235	-229701.1413	1038573.710250766	39.72453692768	-101.6154835	275832.0302013334	4400455.4658729	3501.027670205727	329.4259191286613	3215.52035063795	3211.923284417071	99.163481489646	102.153608688394
216	374	276236	-229041.1413	1038573.710250766	39.724553214738639	-101.6131751	276032.101941051	4400451.31453509	3500.77246696929	329.4019253249016	3210.9469351185497	3216.93249385057	100.621882721166	104.3715325570986

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKrg.f	BRLEvBothKrg.f	SatHtLogs.f	SatHtBothKrg.f
29	374	26319	-174261.1413	103857.73170250766	39.25770909239995	-101.418569	292717.29203439725	44001.10.393837967	3567.5722215984573	371.7498934071546	3069.329274623797	3060.599602605062	102.42060884635748	111.14992323634836
300	374	26320	-173601.1413	103857.73170250766	39.27271289141043	-101.416261	29259.38064799394	44001.10.296317489	3383.2695310404657	370.1595014454666	3068.137954825676	3068.137954825676	108.31190322962362	108.31190322962362
301	374	26321	-172941.1413	103857.73170250766	39.27272478458112	-101.416261	293119.327631809	44000.72.199033609	3378.96846941408	3168.8804262805	3068.684679982322	3068.794144317004	98.86955411059916	104.780204580132
302	374	26322	-172281.1413	103857.73170250766	39.2726336245022	-101.411265	293320.340266456	44000.10.1969678	3374.664146964824	3167.009247319206	3067.2092273036	3066.265471505313	95.9559139287059	95.9559139287059
303	374	26323	-171621.1413	103857.73170250766	39.27254803523114	-101.409187	293321.361271744	44000.04.5017667	3370.518862462071	3165.484441478766	3067.673346685609	3067.642477095426	93.7370973	98.14196732245045
304	374	26324	-170961.1413	103857.73170250766	39.272576019	-101.406839	293327.37804765286	44000.99.90863727	3366.530797884803	3163.891430568283	3068.026467285287	92.259366589071	95.8649632300154	95.8649632300154
305	374	26325	-170301.1413	103857.73170250766	39.2725790426583	-101.404492	293323.3946751827	44000.08.8126788	3362.543035330896	3163.891430568283	3068.026467285287	92.259366589071	95.8649632300154	95.8649632300154
306	374	26326	-169641.1413	103857.73170250766	39.2727395703738	-101.4021473	294124.1141073438	44000.81.7167178	3358.55520813299	3160.8014336801252	3067.1365718177203	3067.683140903214	90.6946186	93.171958681283
307	374	26327	-168991.1413	103857.73170250766	39.27267591623093	-101.399608	294325.4272713112	44000.72.82034046	3356.546249130878	3159.7545623205	3068.684679982322	3068.794144317004	98.86955411059916	104.780204580132
308	374	26328	-168321.1413	103857.73170250766	39.272667833079	-101.397458	294326.442266938	44000.73.6267991	3353.81621427555	3157.70988285544	3067.842437316153	3066.022891573	90.084829723786	91.7507471674127
309	374	26329	-167661.1413	103857.73170250766	39.27268182915286	-101.395113	294727.4506016928	44000.69.4239711	3351.986174262724	3156.199895310204	3066.38538532388	3064.934585405914	90.084829723786	91.7507471674127
310	374	26330	-167001.1413	103857.73170250766	39.272582978	-101.3927682	294928.4746541579	44000.65.3413725	3350.156145	3154.670281161544	3064.921505559528	3063.6420351121824	89.7487746021066	91.02824604393177
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312	374	26332	-165681.1413	103857.73170250766	39.258261966811	-101.3880786	295320.5052379844	44000.57.14452522	3344.2245684703103	3151.6151215714253	3062.0327322447665	3061.0327322447665	88.5823893265819	90.37641915849616
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317	374	26337	-162381.1413	103857.73170250766	39.2590891452647	-101.3763546	296335.578917059	44000.36.67498599	3321.522962085914	3143.987207	3057.76139908309	3057.358895289328	86.2285075540124	86.2285075540124
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326	374	26346	-156441.1413	103857.73170250766	39.26007391361044	-101.355214	298144.6999593515	44000.99.84391068	3246.468842301985	3130.257645	3058.09021924978	3058.0853653873305	72.1647298099199	72.17227973335936
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343	374	26363	-145221.1413	103857.73170250766	39.2618333717996	-101.31								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	W.Lt.	SurfElevKgr.f
425	374	27645	-91101.14133	103857.73170250766	39.7268485800243	-101.1231127	118424.98033462174	4399595.968724722	214.2740727954183	2954.9857332551824	2909.1859707665644	2908.341979106106	45.799762488617944	46.64375414907636
426	374	27646	-90441.14133	103857.73170250766	39.7268546855022	-101.1207679	118244.97399730526	4399591.900862135	314.3090033197434	2954.443157003743	2906.684021933447	2906.5781988473347	47.7913507	47.804988220410196
427	374	27647	-89871.14133	103857.73170250766	39.7268603799605	-101.118423	118445.9671	4399587.83347836327	318.538571928717	2953.839861928717	2905.839861928717	2904.9832418430436	47.924978931586598	47.924978931586598
428	374	27648	-89121.14133	103857.73170250766	39.72686701373994	-101.1160781	118466.9607919066	4399583.760204399	319.9627781197554	2953.447871870632	2905.5147543550373	2903.3201743024862	48.1690103367633	48.1690103367633
429	374	27649	-88461.14133	103857.73170250766	39.72687310838179	-101.1137333	118487.9530243292	4399579.699169226	320.935603509496	2953.049039704922	2904.685116768501	2904.67476317394937	48.3639320199138	48.3743038099584
430	374	27650	-87801.14133	103857.73170250766	39.72687915772164	-101.1113884	119048.946801954	4399576.663834859	314.8111999550464	2952.66036384359	2903.3395250390364	2904.13123675875	48.529138800955244	48.529138800955244
431	374	27651	-87141.14133	103857.73170250766	39.72688851675945	-101.1090436	119129.9399599885	4399571.56860231	320.509921466993	2952.024657150241	2903.25152820099	2903.24471799645814	48.6941799645814	48.6941799645814
432	374	27652	-86481.14133	103857.73170250766	39.72689112049525	-101.1066887	119450.932363227	4399567.49478396	319.60720451099	2951.983523844786	2901.286590128454	2902.25134796503	48.8967253598323	49.752027049073285
433	374	27653	-85821.14133	103857.73170250766	39.72689703392906	-101.1043538	119551.9264919019	4399563.433	318.663195094915	2951.866743998862	2900.835094075554	2900.704394765037	49.1854968233815	49.1854968233815
434	374	27654	-85161.14133	103857.73170250766	39.7269120260715	-101.102009	119652.9160444348	4399559.26730001	317.719052595713	2951.422285835592	2907.456682413558	2900.540047256564	49.3567176	49.3567176
435	374	27655	-84501.14133	103857.73170250766	39.72690872489034	-101.0996641	120053.9090216276	4399555.301909424	314.630261020943	2951.178465457287	2905.253738027925	2905.764804388692	49.53170654903654	49.53170654903654
436	374	27656	-83841.14133	103857.73170250766	39.72691450241789	-101.097319	120254.9000236846	4399551.23625458	319.366653741254	2950.955179099438	2901.91894108173	2902.265595662785	49.6301949002615	49.6301949002615
437	374	27657	-83181.14133	103857.73170250766	39.72692023464338	-101.094974	120455.8926501832	4399547.171374578	314.2163051475437	2950.7444283698073	2907.6447401079595	2908.744239368175	49.69088261837855	49.69088261837855
438	374	27658	-82521.14133	103857.73170250766	39.72692592156673	-101.0926295	120656.8840232206	4399543.10642086	318.929446605795	2950.537617	2907.6447401079595	2908.744239368175	49.69088261837855	49.69088261837855
439	374	27659	-81861.14133	103857.73170250766	39.72693156318801	-101.0902486	120857.8758111025	4399539.42	315.42500273901575	2950.331560715134	2908.4302541930156	2909.78638198636	49.90130652218375	49.90130652218375
440	374	27660	-81201.14133	103857.73170250766	39.72693715950715	-101.087938	121058.966784905	4399534.97734244	313.647767424282	2950.123533696703	2909.090443530598	2902.287702711134	50.214901561715	50.214901561715
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442	374	27662	-79881.14133	103857.73170250766	39.726944822	-101.08325	121460.84697469	4399529.489155622	310.092984	2949.70198405621	2912.9851880721144	2917.91852076426	50.3761033	50.3761033
443	374	27663	-79221.14133	103857.73170250766	39.7269536765517	-101.0809052	121661.8303513467	4399522.78430649	312.73260246562	2949.483417102334	2916.446923942495	2922.854721023023	50.33649315983665	50.33649315983665
444	374	27664	-78561.14133	103857.73170250766	39.72695909176224	-101.0785603	121862.828606037	4399518.721931403	311.874552954539	2949.258606536234	2918.13963363234	2917.91852076426	50.3761033	50.3761033
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446	374	27666	-77241.14133	103857.73170250766	39.72696976677696	-101.0737806	122264.8103571211	4399510.596	313.858655189881	2948.78061358954	2917.354050911449	2921.47412948069	50.420417705245	50.420417705245
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450	374	27670	-74601.14133	103857.73170250766	39.726990631079445	-101.064491	123068.767880856	4399494.58043545	314.074159059205	2947.723998667267	2909.359719502038	2912.07138672130	50.328202780291	50.328202780291
451	374	27671	-73941.14133	103857.73170250766	39.72699572907445	-101.0621462	123269.7585785881	4399490.284043745	314.0617317540636	2947.457219988818	2906.439590562406	2908.472396765706	50.41061314356119	50.41061314356119
452	374	27672	-73281.14133	103857.73170250766	39.72700077814631	-101.0598014	123470.7470653096	4399486.22420558	314.01319833854	2947.169445053503	2903.21572760928	2904.12136915737	50.3936987905625	50.3936987905625
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455	374	27675	-71301.14133	103857.73170250766	39.7270156803239	-101.0527668	124073.7140611834	4399470.439	312.816655410788	2948.020833322277	2911.8254250023183	2914.707055051522	50.473252969034	50.473252969034
456	374	27676	-70641.14133	103857.73170250766	39.72702053951615	-101.0504219	124274.7025047108	4399469.798	312.76880496109	2946.10032969817	2900.288231747244	2901.4448549190763	50.471561225784	50.471561225784
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458	374	27678	-69321.14133	103857.73170250766	39.72703015	-101.0457321	124676.87871976	4399461.85788225	312.25350057487	2946.58552941087	2908.5433777317113	2909.6613423504	50.47227716791406	50.47227716791406
459	374	27679	-68661.14133	103857.73170250766	39.72703482150681	-101.0433873	124877.6689075641	4399457.79715404	312.405822734466	2945.334605931134	2908.7337671565623	2908.99148853968	47.78082453431126	47.78082453431126
460	374	27680	-68001.14133	103857.73170250766	39.7270395743035	-101.0410424	125078.924643867	4399453.781785738	312.1072468146	2945.09027674324	2908.17850950979	2922.1454560836	50.453850175817	50.453850175817
461	374	27681	-67341.14133	103857.73170250766	39.72704471402685	-101.038875	125278.9254925048	4399448.678945914	314.074159059205	2947.723998667267	2909.359719502038	2912.07138672130	50.328202780291	50.328202780291
462	374	27682	-66681.14133	103857.73170250766	39.7270481707254	-101.0363527	125480.629680293	4399445.61923274	312.35307251219	2944.63374787872	2909.99070572437	2909.6613423504	50.47227716791406	50.47227716791406
463	374	27683	-66021.14133	103857.73170250766	39.7270533144003	-101.0340078	125681.6186316251	4399440.256902182	312.26529302617	2944.425500212166	2908.5433777317113	2909.6613423504	50.47227716791406	50.47227716791406
464	374	27684	-65361.14133	103857.73170250766	39.7270578805517	-101.0316629	125882.6041362134	4399437.50142253	312.339038370625	2944.243335	2908.130501426677	2909.6613423504	50.47227716791406	50.47227716791406
465	374	27685	-64701.14133	103857.73170250766	39.7270624426794	-101.029318	126083.590264699	4399433.442801731	312.151590759285	2944.061989245467	2908.31845878963	2908.31845878963	50.47227716791406	50.47227716791406
466	374	27686	-64041.14133	103857.73170250766	39.72706676272832	-101.0269732	126284.5716705326	4399429.34853064	314.0617317540636	2947.457219988818	2906.439590562406	2908.472396765706	50.41061314356119	50.41061314356119
467	374	27687	-63381.14133	103857.73170250766	39.727071524631	-101.024634	126485.56454029	4399426.92649693	312.9049259113837	2948.861454676537	2918.17850950979	2922.1454560836	50.453850175817	50.453850175817
468	374	27688	-62721.14133	103857.73170250766	39.72707548371917	-101.0222834	126686.55065211083	4399423.26630664	314.074159059205	2947.723998667267	2909.359719502038	2912.07138672130	50.328202780291	50.328202780291
469	374	27689	-62061.14133	103857.73170250766	39.727079746295196	-101.0199385	126887.53689							

ix	iy	ic	X.Yt	Y.t	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt	BRElevKgr.f	BRElevBothKgr.f	SatThKLog.f	SatThBoth.f
51	276571	-7941.141327	103857.7310250766	39.7227675906691	-100.8276562	343367.85544159124	3990085.287	2891.979898932858	2771.787823856767	2771.787823856767	2770.166378	2770.166378	4.94542725721116	6.566024792747612
552	276572	-7281.141327	103857.7310250766	39.7227727340021	-100.8253133	343568.8284271015	3990091.24533371	2890.070858916847	2773.954750224177	2770.067195703607	2768.261126269767	2768.261126269767	3.895754520564663	5.693542656
553	276573	-6631.141327	103857.7310250766	39.7227775903767	-100.8259848	343570.8012614155	3990072.2114714375	2892.161817788116	2771.1847546419485	2768.001978299325	2765.560428	2765.560428	3.182775312016918	4.64326167448544
554	276574	-5961.141327	103857.7310250766	39.722778182358454	-100.8202535	343970.7343050957	3990073.178344036	2887.252776761245	2768.425330275184	2766.106228	2764.683700346334	2764.683700346334	2.3191024032839778	3.741629385505797
555	276575	-5301.141327	103857.7310250766	39.722778568883364	-100.8182786	344171.7464779996	3990090.136451382	2887.6659968522987	2765.6797161948234	2764.0563633044035	2763.065348	2763.065348	1.623258904199375	2.614368419063304
556	276576	-4641.141327	103857.7310250766	39.72277891010549	-100.8159337	344372.7186605919	3990065.099232353	2885.401475042477	2762.951515792597	2761.984802482687	2761.2340723481535	2761.2340723481535	0.9667133099101193	1.7174783444435656
557	276577	-3981.141327	103857.7310250766	39.7227920602481	-100.8135888	344573.6010929926	3990061.062301715	2889.136364236254	2760.245479695759	2759.821574258425	2759.407338049678	2759.407338049678	0.4230053915435155	0.8372427929914963
558	276578	-3321.141327	103857.7310250766	39.7227945664136	-100.811244	344774.6631754073	3990057.025861544	2887.627432432482	2757.5629325852033	2758.196704187536	2757.7734885850035	2757.7734885850035	0	0
559	276579	-2671.141327	103857.7310250766	39.722796195512	-100.808891	344975.631084024	3990052.989227661	2887.57156568881	2754.810642858485	2756.653684771697	2756.2633086417536	2756.2633086417536	0	0
560	276580	-2001.141327	103857.7310250766	39.7227982195605	-100.8055542	345176.6089911049	3990045.93	2885.64820557033	2752.285805420325	2752.280239645096	2751.7766350507	2751.7766350507	0	0
561	276581	-1341.141327	103857.7310250766	39.7227994	-100.8042093	345377.5765247962	3990044.917	2885.25422295572	2749.704181	2754.2569000476983	2753.6216811564145	2753.6216811564145	0	0
562	276582	-681.1413269	103857.7310250766	39.7228000607956	-100.801864	345578.5005009313	3990040.881274031	2888.859884004112	2747.151914267995	2752.915883325825	2752.463641071922	2752.463641071922	0	0
563	276583	-21.14132693	103857.7310250766	39.72280003182115	-100.7995195	345779.5213449075	3990036.845758801	2886.1353242196105	2744.640629903208	2753.361834899155	2752.5371170514027	2752.5371170514027	0	0
564	276584	638.85867303514	103857.7310250766	39.7228000896184	-100.7971746	345980.42953173755	3990032.810478211	2848.080572942068	2742.1699511842016	2753.1954872618526	2752.511984960462	2752.511984960462	0	0
565	276585	1298.85867303514	103857.7310250766	39.7227994247882	-100.7948297	346181.4635700232	3990028.775	2840.025821662468	2739.728952444116	2753.21077566884	2753.001595154505	2753.001595154505	0	0
566	276586	1958.85867303514	103857.7310250766	39.7227983067298	-100.7924488	346382.4344599917	3990024.740620091	2831.971073089837	2737.323763970457	2754.5554264209203	2754.380774441201	2754.380774441201	0	0
567	276587	2618.85867303514	103857.7310250766	39.7227967356432	-100.79014	346583.405200178806	3990020.706042414	2826.87402548476	2734.947946217266	2756.248188421334	2756.4377270200905	2756.4377270200905	0	0
568	276588	3278.85867303514	103857.7310250766	39.72279741715287	-100.7877951	346784.73579568103	3990016.6717021065	2824.7284645437693	2732.5978471433995	2755.784184749187	2756.0149460043062	2756.0149460043062	0	0
569	276589	3938.85867303514	103857.7310250766	39.7227992343866	-100.7854502	346985.3642418546	3990012.637594602	2822.577634206675	2730.2698705697244	2754.827754078642	2754.981606296384	2754.981606296384	0	0
570	276590	4598.8586730351	103857.7310250766	39.7227983042162	-100.7831053	347186.31654051	3990008.603721682	2820.431210236667	2727.960504736953	2755.059609124356	2755.2391614597406	2755.2391614597406	0	0
571	276591	5258.8586730351	103857.7310250766	39.7227895	-100.7807604	347387.28669167054	3990004.570083435	2819.0018314735044	2725.667137398365	2756.330083436521	2756.98189023174	2756.98189023174	0	0
572	276592	5918.8586730351	103857.7310250766	39.7227782	-100.778415	347589.05896712427	3990005.359675882	2815.28962594586	2723.366252444116	2757.338910628885	2754.1049474621598	2754.1049474621598	0	0
573	276593	6578.8586730351	103857.7310250766	39.7227777553766	-100.7760913	347795.042623684	3990002.63834078	2812.625834034278	2721.1672568881	2758.1678531294498	2758.195713484491	2758.195713484491	0	0
574	276594	7238.8586730351	103857.7310250766	39.722775302556	-100.7737257	347990.1962541545	3990092.470573731	2816.8548279355693	2718.855358	2738.8395591961807	2738.582924485117	2738.582924485117	0	0
575	276595	7898.8586730351	103857.7310250766	39.722776785947	-100.7713809	348191.1658282431	3990088.437876531	2813.33854	2716.600680154016	2732.6238587421313	2732.13738223435	2732.13738223435	0	0
576	276596	8558.8586730351	103857.7310250766	39.722762096707	-100.769036	348392.1352462567	3990894.40541006	2806.98285963073	2714.35116	2727.1139480574594	2726.513953451173	2726.513953451173	0	0
577	276597	9218.8586730351	103857.7310250766	39.7227615802418	-100.7669911	348593.105180971	3990080.373179029	2800.658032373846	2712.1065568044477	2722.292204745654	2721.63368216496	2721.63368216496	0	0
578	276598	9878.8586730351	103857.7310250766	39.72274955348414	-100.764362	348794.0736440175	3990976.41182512	2794.3177787846124	2709.8660426607385	2718.071178732514	2717.414060246557	2717.414060246557	0	0
579	276599	10538.8586730351	103857.7310250766	39.7227456406866	-100.762013	348995.0426549686	3990005.309420585	2788.796234062085	2708.754130928885	2714.148964276335	2713.1707393586	2713.1707393586	0	0
580	276600	11188.8586730351	103857.7310250766	39.722743059772	-100.759654	349196.011450735	3990992.77893002	2785.1157040711	2705.935293174336	2710.934538	2710.518419457	2710.518419457	0	0
581	276601	11858.8586730351	103857.7310250766	39.7227271724998	-100.7573115	349396.980148827	3990964.247	2779.386827073615	2703.161026642217	2707.98890544847	2707.735942800183	2707.735942800183	0	0
582	276602	12518.8586730351	103857.7310250766	39.722718805994	-100.7549667	349597.948693947	3990960.216	2774.682497107059	2700.931105194005	2705.11970707095	2704.9637275536	2704.9637275536	0	0
583	276603	13178.8586730351	103857.7310250766	39.7227109986416	-100.7526218	349798.917093215	3990956.185	2768.85567523372	2698.703495939224	2702.231614369145	2702.232302606858	2702.232302606858	0	0
584	276604	13838.8586730351	103857.7310250766	39.7227007139005	-100.7502769	349999.858343362	3990952.15412726	2761.9063145373536	2696.470903025635	2699.172486714677	2699.26625733083	2699.26625733083	0	0
585	276605	14488.8586730351	103857.7310250766	39.722690881321	-100.747932	350200.85349593804	3990948.127728974	2754.954701767354	2694.254628245095	2695.86309068899	2695.95826824884	2695.95826824884	0	0
586	276606	15138.8586730351	103857.7310250766	39.722680909061	-100.7455871	350401.82142511924	3990944.03652021	2749.007123893167	2692.631069840228	2692.631069840228	2692.195713484491	2692.195713484491	0	0
587	276607	15788.8586730351	103857.7310250766	39.7226701780519	-100.743242	350602.7892479941	3990940.06376517	2740.222441555167	2689.813406213687	2688.083987326787	2687.9778885183	2687.9778885183	1.277343518899034	1.8334620028467725
588	276608	16478.8586730351	103857.7310250766	39.722659033746	-100.7408973	350803.750265562	3990936.304111972	2731.780574856533	2687.602699637097	2683.5015414840045	2683.171939645385	2683.171939645385	4.11872847905169	4.448330117170026
589	276609	17138.8586730351	103857.7310250766	39.7226475556748	-100.7385524	351004.7245616398	3990932.00464587	2723.278912758353	2685.8797106158513	2680.8779909416066	2680.5212328297	2680.5212328297	5.53790930202161	5.87907047033672
590	276610	17798.8586730351	103857.7310250766	39.7226355649475	-100.7362076	351205.6919533217	3990927.97551167	2717.7470679434	2684.79489509179	2681.373223260213	2681.22445814338	2681.22445814338	3.28964667126194	3.5350313657900282
591	276611	18458.8586730351	103857.7310250766	39.722623111922	-100.733827	351406.65026918191	3990923.46563049	2713.37450565885	2683.29348547008	2681.484616	2681.493155396035	2681.493155396035	2.00909237581724	2.198701704033672
592	276612	19118.8586730351	103857.7310250766	39.722610240047	-100.731518	351607.62507330714	3990919.1748881	2712.8185533899	2682.632353155914	2681.4072680581	2681.53255381978	2681.53255381978	1.126296940510798	1.089084336136474
593	276613	19778.8586730351	103857.7310250766	39.7226004745894	-100.729276	351808.693909299	3990915.488293998	2712.3589893999	2681.438734120438	2681.738705173943	2681.738705173943	2681.738705173943	0.96897108659996	0
594	276614	20438.8586730351	103857.7310250766	39.7225973717614	-100.726978	352016.0090205895	3990911.661123694	2712.04547290298	2680.453386902916	2681.625642990496	2681.8618413572753	2681.8618413572753	0	0
595	276615	21098.8586730351	103857.7310250766	39.722588158958	-100.7244831	352210.5267680763	3990907.83112568	2712.396856005756	2679.360442460956	2681.535227347154	2681.918187	2681.918187	0	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevLogsKgf	BRIElevBothKgf	SatHtLogs.f	SatHtBoth.f
677	374	276697	75218.85867/7335	1038577.3170250766	39.72698581864341	-00.532203	368689.3297269229	438578.332914523	2778.1871851466276	2262.5433371522563	2598.42574939679	2598.72757113318	24.171789842577167	24.815762039893874
678	374	276698	75678.85867/7335	1038577.3170250766	39.726980632946095	-00.5298582	368880.2853	438574.342532056	2783.7790667705995	2596.4259510434569	2597.1286381641144	26.42720201248858	24.911489054486	
679	374	276699	76048.85867/7335	1038577.3170250766	39.726975448680354	-00.527813	368901.2407020656	438570.3518911501	2786.0154413305926	2595.42213869937	2596.0253869937	28.1770630699477	28.8687435487636	
680	374	276700	77196.85867/7335	1038577.3170250766	39.72697012564489	-00.5251684	369092.1960226205	438566.367084882	2793.27697737641	2624.64172007404324	2594.146706279676	29.347642596756594	31.26709500561682	
681	374	276701	77858.85867/7335	1038577.3170250766	39.72696840440975	-00.5228236	369493.1512978145	438562.2996820295	2781.7771327262626	2625.31642421851383	2592.588124199077	29.671680571688075	32.72873176232162	
682	374	276702	78518.85867/7335	1038577.3170250766	39.7269746934713487	-00.5204787	369904.10637893004	438565.2996820295	2780.15804381761	2625.3697451002758	2590.9464314981135	25.8913030471609	35.0233136	
683	374	276703	79178.85867/7335	1038577.3170250766	39.726965402492699	-00.5181338	369995.061338136	438565.285	2797.019376	2595.96259630137	2589.159222554935	25.884137545371667	37.436309752022115	
684	374	276704	79838.85867/7335	1038577.3170250766	39.72694587412613	-00.5151789	370096.01668737	438565.27769381	2772.3811711750909	2627.187226325554	2587.7629123473907	25.896477347195971	39.42314825164655	
685	374	276705	80498.85867/7335	1038577.3170250766	39.726935448680354	-00.5134441	370296.9786777442	438565.270739309	2787.702967873747	2625.7378197836706	2586.74625773298	25.8847059193589	42.0703840961417	
686	374	276706	81158.85867/7335	1038577.3170250766	39.7269315468882	-00.5110992	370467.32546314246	438565.24	2793.0473965555	2628.239908840616	2582.80533004747	44.35551042124905	45.4337838595246	
687	374	276707	81818.85867/7335	1038577.3170250766	39.72693193207193	-00.5087554	370688.679251633	438568.258	2758.945354046831	2628.685831184383	2582.01008373602	25.8956524126024	46.4657140736	
688	374	276708	82478.85867/7335	1038577.3170250766	39.72692628435294	-00.5064095	370899.8342639841	438564.251277465	2755.4502578024484	2629.067561688494	2580.900355347994	25.897526153694726	50.067427398736754	
689	374	276709	83138.85867/7335	1038577.3170250766	39.72692600033182	-00.5040646	371100.7884789088	438563.2452572435	2751.8650220012364	2629.3764001515965	2578.08462605927	25.7639088263845	51.291771055969564	
690	374	276710	83798.85867/7335	1038577.3170250766	39.72691487100861	-00.5017198	371301.7425728445	438562.3946100861	2748.3246163246619	2629.083163246619	2575.985249106146	25.76327041901003	53.63270041405211	
691	374	276711	84458.85867/7335	1038577.3170250766	39.72690906363324	-00.4993749	371502.9654523986	438562.2339717341	2745.739058629589	2629.769338036295	2574.7831016303217	25.72878180004519	55.97693212603229	
692	374	276712	85118.85867/7335	1038577.3170250766	39.7269032645594	-00.4970301	371703.8504	438561.822801939	2744.10789940105	2629.8236701580445	2571.3411809033637	25.70743624671142	58.48248925468078	
693	374	276713	85778.85867/7335	1038577.3170250766	39.72689871122647	-00.4948582	371904.6041172776	438561.423511423	2742.746215524581	2629.789138766734	2569.2042248289476	25.76718265765396	60.9468904772575	
694	374	276714	86438.85867/7335	1038577.3170250766	39.7268915060951	-00.4923403	372105.55721203	438561.128166592	2740.84558256989	2629.635816116924	2566.6137047304824	25.665309687116926	63.04967821962330	
695	374	276715	87098.85867/7335	1038577.3170250766	39.72688554486141	-00.4899955	372306.511203041	438560.214039425	2738.32378413345	2629.4799317782804	2563.935449106257	25.627769924	65.54448267	
696	374	276716	87758.85867/7335	1038577.3170250766	39.72687954372588	-00.4876506	372507.46504640316	438560.209653227	2736.31907701683	2629.1941021701886	2561.03059565728	25.6061015279394037	68.15484174046052	
697	374	276717	88418.85867/7335	1038577.3170250766	39.72687349728828	-00.4853057	372708.4178033121	438560.205012691	2733.84617620301	2628.821663213421	2558.02515887715	25.5724899166838	70.71971764508371	
698	374	276718	89078.85867/7335	1038577.3170250766	39.72686740554889	-00.4829309	372908.5709145113	438560.215821361	2731.3726553273202	2627.731265332012	2556.158418591342	25.54518651495938	72.79106531959718	
699	374	276719	89838.85867/7335	1038577.3170250766	39.72686194916118	-00.480615	373109.79196881	438560.2196881	2728.716291762598	2626.73032959529	2550.450271585324	25.504183216458	74.82436547599751	
700	374	276720	90398.85867/7335	1038577.3170250766	39.726855006163496	-00.4782712	373311.276719513267	438564.194	2730.679106330972	2627.285014030873	2552.907732453137	25.522475503245674	74.3276057034561	
701	374	276721	91058.85867/7335	1038577.3170250766	39.7268488581791	-00.4759263	373512.2295510854	438564.191226189	2731.071614302805	2626.68349181284	2553.2881008527796	25.52254396312664	73.3673763904404	
702	374	276722	91718.85867/7335	1038577.3170250766	39.72684258557038	-00.4735814	373713.1821867195	438564.18280056	2731.445907965572	2625.96863670350	2553.5127641358326	25.52564542281667	74.45857194	
703	374	276723	92378.85867/7335	1038577.3170250766	39.72683626732091	-00.4712366	373914.1347024553	438564.185	2730.44974270361	2625.2023520583384	2553.6345283887313	25.522647719686246	75.7576669600713	
704	374	276724	93038.85867/7335	1038577.3170250766	39.7268290376951	-00.4688817	374115.087097861	438564.182970612	2728.0381120181906	2624.4368717707996	2552.561253673633	25.704947478	76.8807433923634	
705	374	276725	93698.85867/7335	1038577.3170250766	39.72682349491518	-00.4665489	374315.0387378456	438564.18565601	2726.71633737856	2623.9086868767816	2550.97632959529	25.682183216458	78.024365719882	
706	374	276726	94358.85867/7335	1038577.3170250766	39.72681704076901	-00.4642922	374515.81302109	438564.1776861	2723.776861	2622.7311646213	2552.300793739413	25.7004631	79.1330236566019	
707	374	276727	95018.85867/7335	1038577.3170250766	39.726810541303784	-00.4618572	374717.3435673514	438564.176815556	2719.748330309072	2621.820842	2552.57125226725	25.5154820222700	79.24889858231764	
708	374	276728	95678.85867/7335	1038577.3170250766	39.7268039654477	-00.4595123	374918.8954854086	438564.175230655	2714.911802871373	2620.85944348983	2552.13455006069	25.5102088407093	79.5628154188384	
709	374	276729	96338.85867/7335	1038577.3170250766	39.72679740648383	-00.4571674	375119.8184728517	438564.17389812	2710.075303331393	2619.8491250435104	2551.61561966187	25.513058901737993	79.82335097732356	
710	374	276730	96998.85867/7335	1038577.3170250766	39.72679077112106	-00.4548226	375320.7898951059	438564.17276093	2708.328798945476	2618.7854061359963	2551.293451956543	25.50579712309358	80.7169040013611	
711	374	276731	97658.85867/7335	1038577.3170250766	39.7267804055466	-00.4524777	375521.7562571555	438564.172	2706.195510759886	2617.862404989514	2550.02985320666	25.50806837028445	80.7494782476	
712	374	276732	98318.85867/7335	1038577.3170250766	39.72677234771044	-00.4501329	375722.701970477	438564.1711223916	2704.443719294208	2616.719294208	2550.02985320666	25.504183216458	81.624065719882	
713	374	276733	98978.85867/7335	1038577.3170250766	39.7267705932217	-00.4478248	375923.65269686	438564.171	2698.65466977387	2615.2103655854	2549.959887	25.5018510426759	82.61014746887336	
714	374	276734	99638.85867/7335	1038577.3170250766	39.7267637665164	-00.4454432	376124.605405983	438564.17026457	2694.44512523687	2613.967305545557	2549.3446625195227	25.4887972523975	83.622542336301	
715	374	276735	100298.85867/7335	1038577.3170250766	39.72675691477975	-00.4430983	376325.5555948067	438564.17066862	2690.661756870874	2612.43937460772	2548.51863215819	25.478231955937	84.6285807134306	
716	374	276736	100958.85867/7335	1038577.3170250766	39.7267500760265	-00.4407535	376526.506675563	438564.17048154	2678.3442721163113	2610.9240452972206	2547.4125947767748	25.4761043851974	85.31250502	
717	374	276737	101618.85867/7335	1038577.3170250766	39.7267403515095	-00.4384086	376727.655315095	438564.171462094	2675.0271878761426	2609.32604394956	2546.661381004041	25.46666012043073	86.28721430924214	
718	374	276738	102278.85867/7335	1038577.3170250766	39.72673605734988	-00.4360347	376928.40646217257	438564.172201912	2674.709907301745	2607.648	2545.3726935135014	25.454511642888745	86.2753068324588	
719	374	276739	102938.85867/7335	1038577.3170250766	39.7267295980476	-00.4337134	377139.3093886296	438564.17406665	2672.88909072454	2606.88080974245	2544.7190273215483	25.44518651495938	87.245183216458	
720	374	276740	103658.85867/7335	1038577.3170250766	39.7267219589034	-00.4313474	377320.3093886296	438564.17406665	2671.0837877967164	2604.088236248871	2542.959387	25.44010879936	88.01294746887336	
721	374	276741	104258.85867/7335	1038577.3170250766	39.7267174220793	-00.4290292	377531.259773742	438564.175854391	2670.18402274661	2602.22595470819	2541.720176920292	25.442047291634907	88.0187554032816	
722	374	276742	104918.85867/7335	1038577.3170250766	39.72671067132382	-00.4266843	377732.102499214	438564.178	2668.104217524852	2600.321578775956	2540.437947370641	25.44084283205876	89.586337441	
723	374	276743	105638.85867/7335	1038577.3170250766	39.7267033889304	-00.4243395	377933.160206475	438564.17945901	2662.00915938027	2598.38769269709	2539.171530796494	25.3957571591228		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SurfElevKgr.f	SurfBoth.f
63	375	276823	-330021.1413	1039237.3170250766	39.23429603404086	-017.919316	245275.1664001145	401285.389391253	357.0121053577564	3429.86203223113	3429.8142816693394	3429.793931953372	10407.50561773682	10.06810027740996
64	375	276824	-329361.1413	1039237.3170250766	39.23445232359942	-017.969987	245476.2734365579	401281.235316351	347.6398726754574	3429.1850629608854	3429.1850629608854	3429.17282643807	8.510613056599959	8.512590301
65	375	276825	-328701.1413	1039237.3170250766	39.23447481656366	-017.967428	245677.30821130653	401277.0818818274	358.7054547378116	3428.428983140125	3428.416065283646	3428.416065283646	7.2454854786373594	7.247166810366664
66	375	276826	-326041.1413	1039237.3170250766	39.23479435	-017.9648907	245878.3754575766	401267.78500037	350.0252615002387	3433.227816380985	3426.486096730888	3426.62859467323	6.440170766987	6.599221545240217
67	375	276827	-327381.1413	1039237.3170250766	39.2351984571793	-01.9625533	246079.44903666674	401268.725324545	352.6178263415833	3431.03539091341	3424.617077232638	3424.71103847836	6.245175335049175	6.324270968306719
68	375	276828	-326721.1413	1039237.3170250766	39.2373423	-01.9602807	246280.5190674485	401264.7624404883	350.5822319504393	3428.849063660587	3422.43182	3422.543159472985	6.41844004935859	6.3068044307915
69	375	276829	-326061.1413	1039237.3170250766	39.2356489779784	-01.9578861	246481.58884376007	401260.469742011	353.4864664829297	3426.67024646782	3420.2950420058234	3420.2950420058234	6.3281744438001	6.3281744438001
70	375	276830	-325401.1413	1039237.3170250766	39.2358705499797	-01.9555195	246682.65836792836	401256.317281925	349.391059231316	3424.494423431165	3418.19813352018	3418.11427793093	6.2962888108642	6.38017450321026
71	375	276831	-324741.1413	1039237.3170250766	39.2360956690478	-01.9531749	246883.7276558997	401252.159878517	352.192620713823	3422.2066969838	3415.9691658372	3415.940034108476	6.35067011507322	6.3855256981611
72	375	276832	-324081.1413	1039237.3170250766	39.2363163331829	-01.9508303	247084.766845647	401248.013114078	350.8922367381	3420.1463834532	3413.90904269443	3413.91622514239	6.2370581440922	6.23015701103184
73	375	276833	-323241.1413	1039237.3170250766	39.2365384583842	-01.9484887	247285.8654632202	401246.61388303	354.5911551496579	3417.0662576552324	3412.2588609010235	3412.2588609010235	6.5075769659986	6.60205130214597
74	375	276834	-322761.1413	1039237.3170250766	39.2367360	-01.9461141	247486.9340919332	401239.708999215	354.290862609175	3415.776022179031	3410.500184402666	3410.50057395239	6.27600373962447	6.5265664784991708
75	375	276835	-322101.1413	1039237.3170250766	39.2368916	-01.9437965	247688.00237119102	401235.585860245	354.3195315556678	3413.572483523602	3408.754818869233	3408.754818869233	6.2457220235	6.547220235
76	375	276836	-321441.1413	1039237.3170250766	39.2372025	-01.9415419	247889.07040096834	401231.407461141	353.403999387056	3411.354333544652	3407.37326421611	3407.37326421611	6.3902071128542593	6.365196275844414
77	375	276837	-320781.1413	1039237.3170250766	39.23742287195165	-01.9391073	248090.13818153404	401227.2568700113	352.5412893293266	3409.178965521926	3405.894303765513	3405.894303765513	6.295163464477135	6.3281744438001
78	375	276838	-320121.1413	1039237.3170250766	39.23764282047725	-01.9367367	248291.20571309226	401223.106	351.5219661031206	3406.96304930442	3404.743077644354	3404.4351153925	6.2120017285903432	6.2472393189108294
79	375	276839	-319461.1413	1039237.3170250766	39.2378621360665	-01.9344181	248492.2729958518	401218.856040187	350.6148697087285	3404.58712662398	3402.26862439415	3402.26862439415	6.2272298236815	6.2272298236815
80	375	276840	-318801.1413	1039237.3170250766	39.2380813587189	-01.9320735	248693.3400301812	401215.805900545	3494.21893	3402.59010638473	3399.4560530763156	3400.607585236	2.833579621716904	2.819973035213786
81	375	276841	-318141.1413	1039237.3170250766	39.23829984843435	-01.9297289	248894.4068179657	401206.50697367	3482.4355166697915	3399.97230935105	3396.531786242430	3397.7538471398914	3.4405231086170716	3.218362211492696
82	375	276842	-317481.1413	1039237.3170250766	39.2385180852119	-01.9273843	249095.473353398	401206.50697367	3470.571405992682	3395.63328823608	3393.6779379297236	3395.308309891246	2.3271329873268	2.3271329873268
83	375	276843	-316821.1413	1039237.3170250766	39.23873376905156	-01.9250397	249296.6364302136	401152.37558919	3464.1552898768305	3395.2822307247516	3393.58825812888	3393.259693785454	4.755020211883466	4.755020211883466
84	375	276844	-316161.1413	1039237.3170250766	39.238959959284	-01.9226951	249496.55984567967	401128.20158953	3465.153964801535	3392.915693957373	3388.395501011183	3389.20126897520	5.2463362554558	5.1712672562529192
85	375	276845	-315501.1413	1039237.3170250766	39.2391857797151	-01.9198704	249697.63247779151	401104.14581414	3371.6810723909687	3389.547029396967	3386.173311163397	3386.173311163397	5.432512259529417	5.432512259529417
86	375	276846	-314841.1413	1039237.3170250766	39.23933851	-01.9181059	249899.3702516217	401189.10576237	3461.1813475651	3388.16145277028	3384.251696151701	3387.48671288731	3.90959125320773	3.90959125320773
87	375	276847	-314181.1413	1039237.3170250766	39.2395910750213	-01.9156613	250100.8023591834	401165.7629135	3455.0741074282527	3385.7849339674584	3382.4491058521163	3385.51025343982	4.33082832343152	4.7248068179629059
88	375	276848	-313521.1413	1039237.3170250766	39.239817394164	-01.9133167	250301.867378749	401181.61416165	3443.8510180102394	3383.4192121313577	3380.960563571675	3380.960563571675	2.45864674190129	2.45864674190129
89	375	276849	-312861.1413	1039237.3170250766	39.2400323603667	-01.910972	250502.93218489573	401177.466	3432.6792857334	3381.07762173721	3379.014350351447	3383.314091	0.002382122274427	0.002382122274427
90	375	276850	-312201.1413	1039237.3170250766	39.24024687362835	-01.9086274	250703.9967448956	401173.3185716765	3421.4048913460387	3378.161015741664	3377.5583530927324	3377.5583530927324	1.223248414339941	1.223248414339941
91	375	276851	-311541.1413	1039237.3170250766	39.2404603939487	-01.9063826	250905.961057176	401169.17142295	3409.5657780576065	3376.191643810697	3375.17883275859	3375.17883275859	0.7314352425998908	0.7314352425998908
92	375	276852	-310881.1413	1039237.3170250766	39.2406745132604	-01.9038732	251108.121421964	401165.023911717	3400.78059197182	3374.05125922774	3374.05125922774	3374.05125922774	0.2046459002517755	0.2046459002517755
93	375	276853	-310221.1413	1039237.3170250766	39.24088789576305	-01.9019538	251307.18846189	401160.67899967	3370.72121307945	3372.623101	3373.639335326593	3372.2510936691	0.39879028026921406	0.39879028026921406
94	375	276854	-309561.1413	1039237.3170250766	39.241100397258	-01.8992489	251508.2525217163	401156.730262285	3380.763551478754	3371.0799716408374	3372.640913320505	3368.65911739018	0.242085781915086	0.242085781915086
95	375	276855	-308801.1413	1039237.3170250766	39.24131524480706	-01.8969043	251709.315851788	401152.583811387	3375.176800800627	3369.93250450565	3367.557975091646	3364.375142733102	5.61001157725185	5.61001157725185
96	375	276856	-308241.1413	1039237.3170250766	39.2415244414141	-01.8945597	251910.3786533347	401148.437575144	3378.19365670177	3370.52861073559	3370.52861073559	3370.52861073559	10.04029162028325	10.04029162028325
97	375	276857	-307581.1413	1039237.3170250766	39.2417357840772	-01.8922151	252111.441721545	401144.291577840	3372.846315250669	3368.7995023314387	3368.5881587473014	3364.794767964804	13.9647358517781	13.9647358517781
98	375	276858	-306921.1413	1039237.3170250766	39.2419465779814	-01.8898704	252312.5047102135	401141.14581414	3371.6810723909687	3369.547029396967	3366.173311163397	3366.173311163397	16.2326172673397	16.2326172673397
99	375	276859	-306261.1413	1039237.3170250766	39.24215711057035	-01.8872558	252513.56672115885	401136.0002971915	3372.989328032565	3368.479014788167	3367.87523792938	3367.87523792938	17.72269684169934	17.72269684169934
100	375	276860	-305601.1413	1039237.3170250766	39.242367049393	-01.8851812	252714.6286283397	401131.855015974	3367.76721116007	3368.46800615975	3366.518079962978	3366.518079962978	1.949061967714117	1.949061967714117
101	375	276861	-304941.1413	1039237.3170250766	39.2425766252828	-01.8828365	252915.69688258	401127.70975297	3380.5840232793045	3365.403867391966	3358.843582339313	3358.843582339313	0.3666603543723255	0.3666603543723255
102	375	276862	-304281.1413	1039237.3170250766	39.24278573022056	-01.8804919	253116.7520562247	401123.56516771	3384.325556942394	3368.4903230125054	3364.364094874841	3359.577695196192	4.126237173662448	4.126237173662448
103	375	276863	-303621.1413	1039237.3170250766	39.2429943281814	-01.8781473	253317.8136791498	401119.42080148	3387.686426910244	3368.490317087325	3359.919206751872	3359.919206751872	8.91263816114173	8.91263816114173
104	375	276864	-302961.1413	1039237.3170250766	39.24320450255656	-01.8758026	253518.7846093936	401115.76237472	3380.629347950274	3368.45266349317	3362.964274871858	3359.69316205868	8.81487565395004	8.81487565395004
105	375	276865	-302301.1413	1039237.3170250766	39.2434165779814	-01.8734674	253719.8573393936	401112.0002971915	3380.78059197182	3368.479014788167	3366.173311163397	3366.173311163397	9.742391898919	9.742391898919
106	375	276866	-301641.1413	1039237.3170250766	39.24363174855038	-01.8711133	253920.9633873732	401106.98538328	3372.941304745964	3368.29841841747	3367.87523792938	3367.87523792938	5.392149040116026	5.392149040116026
107	375	276867	-300981.1413	1039237.3170250766	39.24384									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKsg.ftr	BRiElevKsg.ftr	SatThLgts.ftr	SatThBoth.ftr
188	375	276949	-246861.1413	1039237.3170250766	39.75592415631121	-101.6765939	72068.20042464272	4007063.879478905	3282.62063667166	3231.8040928797826	3228.825621354336	3233.1761339848376	92.8784702444665	88.6279639094943
190	375	276950	-246201.1413	1039237.3170250766	39.75294108	-101.6741591	72089.2343960717	4007055.76535502	3482.30610363745	3320.61640078494	3326.281052595906	3329.084070283938	94.59206972191032	91.59206972191032
191	375	276951	-245861.1413	1039237.3170250766	39.7526784455414	-101.6718414	72110.28412030034	4007055.632311985	3482.0662871893247	3319.643287514842	3322.689529	3325.622973933195	95.84870854715226	93.830273933195
192	375	276952	-244861.1413	1039237.3170250766	39.7527478558029	-101.6694696	72121.3641854676	4007051.50666348	3481.948615175065	3318.4060641262326	3321.122194512127	3322.392175	97.26338901101992	96.01388936773205
193	375	276953	-244221.1413	1039237.3170250766	39.752599157	-101.6671249	72142.36489179137	4007047.385385378	3481.8289430544887	3317.2649735160176	3318.7300256521357	3318.1182596336785	98.5349476838313	98.1464438
194	375	276954	-243561.1413	1039237.3170250766	39.752600813193679	-101.6647801	72163.10404399814	4007043.266486765	3481.7092709914705	3316.120484327296	3316.735430478173	3315.9943978132363	100.0250652891227	100.1269695197726
195	375	276955	-242801.1413	1039237.3170250766	39.752602500716806	-101.6624354	72184.44476332515	4007039.13996627	3482.7148142251236	3314.97302630374895	3315.290895555569	3312.8028734056143	99.67303648192045	102.1701526387523
196	375	276956	-242421.1413	1039237.3170250766	39.7504165710133	-101.6600906	722015.484620272	4007030.1758428	3480.754257755595	3313.832066390323	3314.370711967004	3309.451603444382	99.4523544226384	104.3713760484916
197	375	276957	-241581.1413	1039237.3170250766	39.7503658172654	-101.6577459	72216.5237362951	4007028.8506067	3515.9783312860164	3312.871109273306	3313.840781067602	3306.109599701661	98.8303215663058	98.86014857145055
198	375	276958	-240921.1413	1039237.3170250766	39.7502748117386	-101.6554011	722417.56288633414	4007026.773467139	3531.170789815439	3311.5740911261	3312.535815490641	3302.71053305823	97.835954904823	98.8095421525002
199	375	276959	-240261.1413	1039237.3170250766	39.750269133112685	-101.6530654	722818.6018123542	400722.6517668357	3537.8889851575706	3310.362478	3312.6115666701252	3300.7403755252567	96.75091171809072	100.622108269634
200	375	276960	-239601.1413	1039237.3170250766	39.7501870385355	-101.6507116	72289.6104515561	4007018.530309355	3537.32474384011	3309.260368735816	3314.0125085504073	3316.441239012572	95.1938775214725	112.7651470610943
201	375	276961	-238941.1413	1039237.3170250766	39.75012422729623	-101.6483689	723020.678993147	4007014.4309	3536.75995122522	3308.049796363437	3314.685034588915	3313.9644891	122.0126511471002	
202	375	276962	-238281.1413	1039237.3170250766	39.750140548826	-101.6460221	73221.7173428727	4007010.280890585	3536.194398120442	3306.892036874573	3315.406527665203	3318.849393075437	95.059052093668	117.9421033972212
203	375	276963	-237621.1413	1039237.3170250766	39.7501669829508	-101.6436774	73422.7556275547	4007006.16734008	3533.679667195444	3305.7335634381225	3315.9667365671385	3318.766424298957	99.7668264095805	107.49147098827748
204	375	276964	-236961.1413	1039237.3170250766	39.7501732254259	-101.6413326	73623.7931892811	4007002.046820394	3529.213258037093	3304.571684151048	3316.229006979036	3316.485721488804	98.9861266232776	
205	375	276965	-236301.1413	1039237.3170250766	39.750186850492	-101.6388979	73824.830775502	4006997.926554482	3527.98752359772	3303.406901902978	3316.0482398218724	3312.21996569712	97.35826308	91.1846033376128
206	375	276966	-235641.1413	1039237.3170250766	39.7502065604392	-101.6366431	74025.8681391514	4006993.806518345	3520.28146581337	3302.238698264258	3315.71669034468	3312.990555628184	98.2551708919576	89.2485133636734
207	375	276967	-234981.1413	1039237.3170250766	39.7502218166966	-101.6342983	74242.26503	4006989.668719972	3518.027441548923	3301.068883353936	3314.89116505397	3311.61162636732	96.1777381045648	89.45725671784157
208	375	276968	-234321.1413	1039237.3170250766	39.750237305137	-101.6319536	74427.8421995407	4006985.567193502	3517.98422477839	3309.89547698287	3312.3221722145965	3309.823967867618	97.67375435	89.971737209097
209	375	276969	-233661.1413	1039237.3170250766	39.7502538410748	-101.6296088	74628.978966953	4006981.44783498	3517.9410454029844	3308.71703813855	3312.8034824007365	3306.77995623975	87.8826564	91.9378090540306
210	375	276970	-233001.1413	1039237.3170250766	39.7502699985058	-101.6272641	74830.0153720957	4006977.28751354	3517.897866027354	3307.5876437049676	3307.85623447829	3303.8654222684	97.86716742	93.6673424822838
211	375	276971	-232341.1413	1039237.3170250766	39.7502869302421	-101.6249473	75034.2549649255	4006973.90393959	3515.920920819589	3306.97842172464	3306.84676173877	3317.81567362563	97.2998	92.461453202317
212	375	276972	-231681.1413	1039237.3170250766	39.750318545483	-101.6225745	75232.0785848144	4006969.91	3508.706340513573	3325.155715873657	3319.57545665937	3319.08432675621	95.8502849	98.0570037174592
213	375	276973	-231021.1413	1039237.3170250766	39.75033717534689	-101.6202298	75433.1234698711	4006964.973	3504.259716397534	3323.962709792816	3319.6001171864236	3319.1587204525	96.82033792575	98.8036369
214	375	276974	-230361.1413	1039237.3170250766	39.7503369910355	-101.617885	75634.15960337	4006965.84789085	3498.81302236834	3329.769025424466	3319.5249869354253	3319.326693122726	100.17190418819428	101.3742323017401
215	375	276975	-229701.1413	1039237.3170250766	39.7503439917521	-101.6155402	75835.194340804	4006960.57	3509.122852126699	3319.0510548369106	3319.8924592899715	3310.65996135327623	101.7402030021535	
216	375	276976	-229041.1413	1039237.3170250766	39.75036514314142	-101.613195	76036.2296	400652.619	3505.188955365585	3320.37405966277	3318.9052152458084	3318.459493040595	100.4688471162653	91.91460035717132
217	375	276977	-228381.1413	1039237.3170250766	39.75038684180883	-101.6108507	76232.2649649255	400645.501811563	3511.2591381461484	3309.738823446295	3318.963385	3317.803948232283	101.11523768924564	101.788584021971
218	375	276978	-227721.1413	1039237.3170250766	39.7504094951775	-101.6085187	76433.2929170672	400644.448269087	3517.324978259138	3308.9453549558	3318.4602566051558	3318.901778848119	97.925172943019	102.924675047192
219	375	276979	-227061.1413	1039237.3170250766	39.7504210324478	-101.6061611	76639.393706008	400640.266728285	3519.25818793537	3308.769681474766	3318.6602478182057	3318.8434154	99.1364342953604	101.8514163400603
220	375	276980	-226401.1413	1039237.3170250766	39.75042766601915	-101.6038164	76840.36797524814	400636.150974146	3517.065849684546	3308.6154353728316	3318.7891169487916	3318.8254184240398	101.8706213258105	101.8706213258105
221	375	276981	-225741.1413	1039237.3170250766	39.7504431849163	-101.6014716	77041.4020250133	400632.03453601	3514.8735273095514	3308.4047921071105	3318.8528722251993	3318.730735091159	101.4005719881913	101.4005719881913
222	375	276982	-225081.1413	1039237.3170250766	39.750465856532	-101.5991268	77242.4385550634	400627.818207026	3512.681290829629	3324.27714197453	3318.0652373936863	3318.7483067022623	98.2148103545842	101.5287817019085
223	375	276983	-224421.1413	1039237.3170250766	39.7504740625401	-101.596762	77443.46949895026	400623.80275953	3511.387427188173	3322.12732576132	3318.444818354627	3318.061680952684	97.5784122370431	101.8016916234909
224	375	276984	-223761.1413	1039237.3170250766	39.75049454176144	-101.5944373	77644.5259494255	400619.1058518073	3510.920920819589	3308.97842172464	3318.5468239775	3317.81567362563	97.2998	92.461453202317
225	375	276985	-223101.1413	1039237.3170250766	39.7505140039308	-101.5920925	77845.5303340103	400615.5709881423	3510.569683392538	3329.8745107302675	3318.704314462521	3317.825828956284	100.40669275558	103.0192073270446
226	375	276986	-222441.1413	1039237.3170250766	39.75052003171114	-101.5897477	78046.5698880676	400611.455715825	3510.2013236706785	3327.72767600118	3318.012493616888	3317.942599113801	101.722398321994	104.4281784663194
227	375	276987	-221781.1413	1039237.3170250766	39.7505353705021	-101.5874029	78247.6017260774	400607.340671121	3508.847325697138	3327.6105339874807	3317.8748416	3317.291163322486	98.13211749524809	105.8376649628
228	375	276988	-221121.1413	1039237.3170250766	39.75055037340285	-101.5850581	78448.63425425957	400603.52564018	3509.5346685074	3327.50691075926	3318.4761971922559	3316.93441979325097	100.05411828	105.65409370041635
229	375	276989	-220461.1413	1039237.3170250766	39.7505658925131	-101.5827134	78649.6665641135	400599.111	3508.222009195876	3325.411521623651	3317.223493712444	3316.880297132653	97.377976905902	107.377976905902
230	375	276990	-219801.1413	1039237.3170250766	39.7505808259238	-101.5803836	78850.65890304048	400594.99662589	3508.905305978693	3324.73289061827	3317.5813818423546	3316.241142941098	100.08104718989730	107.377976905902
231	375	276991	-219141.1413	1039237.3170250766	39.75059584917614	-101.5780493	79050.6665641135	400590.111	3508.222009195876	3325.411521623651	3317.223493712444	3316.880297132653	97.377976905902	107.377976905902
232	375	276992	-218481.1413	1039237.3170250766	39.750610855959	-101.575769	79252.7614575546	400586.790011481	3507.932114446654	3322.1750409095	3317.546831068616	3316.241142941098	100.08104718989730	107.377976905902
233	375	276993	-217821.1413	1039237.3170250766	39.7506258598448	-101.5733342	79							

ix	iy	Xc	Yc	Latitude	Longitude	UTM-Y	SurfElev.	WtLs	BR/ElevLogs	BR/ElevBothrg	SatBoth	SatBothH
315	375	277075	-163701.1413	10932937.3170250766	37.27769956276917	-01.3810587	295937.652409337	4402046.1463004565	3308.5458931762014	31.14643438513331	3058.63238560466	38.3893300113859
316	375	277076	-163004.1413	10932937.3170250766	37.27710717673096	-01.3787139	296138.6665449813	4400242.0552371798	3311.8244210400607	31.4342826995719	3057.90885465273	37.54997465
317	375	277077	-162801.1413	10932937.3170250766	37.27712914938165	-01.3762497	296329.6804897346	4400213.94680042	3312.92048921919	31.431696847084	3057.8601858	38.13368622199692
318	375	277078	-161721.1413	10932937.3170250766	37.27733700687505	-01.3740242	296540.3862490928	4400333.865251822	3312.381767943783	31.414910154909205	3056.75045678911	35.1635587
319	375	277079	-161601.1413	10932937.3170250766	37.27744146808504	-01.3718793	296741.7078	4400229.270027209	3318.45130617311	31.40405679000441	3057.279736061861	35.1259434267597
320	375	277080	-160401.1413	10932937.3170250766	37.27755179565015	-01.3693344	296942.711544652	4400225.679026117	3315.341126811816	31.388975578908635	3057.046495142715	35.0616724815496
321	375	277081	-159741.1413	10932937.3170250766	37.27766167020135	-01.3669896	297143.7342592885	4400221.586281893	3312.173942428239	31.373900965469047	3056.8713172230710	35.0617932320303
322	375	277082	-159081.1413	10932937.3170250766	37.27771709173886	-01.3646447	297344.7342045555	4400217.493774453	3308.03522182349	31.358839797576474	3056.43934060305	37.44466391073686
323	375	277083	-158421.1413	10932937.3170250766	37.277778801	-01.3622989	297545.7599513484	4400213.915040432	3308.210222	31.34390865341977	3056.5498623745852	36.0562910687881245
324	375	277084	-157761.1413	10932937.3170250766	37.27779896	-01.359595	297746.7274991045	4400209.304073075	3285.69095008716	31.3267573306909	3056.1879653137225	30.6508520575891
325	375	277085	-157100.1413	10932937.3170250766	37.2778063826261	-01.3576101	297947.7848504599	4400205.2176356251	331.3737315358091	3055.89536243572	3055.9344917575904	37.4773628490371
326	375	277086	-156441.1413	10932937.3170250766	37.27782042477446	-01.3552623	298149.790031914	4400201.126113913	3256.673297769887	31.2987107866146	3055.500905012522	37.7407136844931
327	375	277087	-155781.1413	10932937.3170250766	37.2783114042089	-01.3529204	298349.8089583157	4400197.034700478	3243.3044700943656	3054.9798219681707	3055.05227663302963	37.39121736248593
328	375	277088	-155121.1413	10932937.3170250766	37.2784181076581	-01.3505755	298550.8207160396	4400192.943704069	331.19266434496	31.2687434961587	3054.18040962519	3054.218040962519
329	375	277089	-154461.1413	10932937.3170250766	37.27852455809519	-01.3482307	298751.8322766662	4400188.85254529	3218.0406199592028	31.25379285	3053.0613117930575	37.2179731022228
330	375	277090	-153801.1413	10932937.3170250766	37.2786302	-01.3458958	298952.8434010504	4400184.762	3208.8895748470016	31.233890923631583	3051.7147581429876	30.518315639626376
331	375	277091	-153141.1413	10932937.3170250766	37.2787354999646	-01.3434909	299153.854906782	4400181.671863808	3198.1174141239962	31.20424255176722	3050.520909384339	30.51487592969164
332	375	277092	-152481.1413	10932937.3170250766	37.27884039135056	-01.3411961	299354.8658769255	4400176.581724641	3195.71903742708977	31.20248817805977	3049.18246758292768	69.7523215435074
333	375	277093	-151821.1413	10932937.3170250766	37.2789448297204	-01.3388512	299555.8766507725	4400174.81922252	3192.33670300716	31.19461827598648	3047.697478388642	71.76434919100166
334	375	277094	-151161.1413	10932937.3170250766	37.279048185107364	-01.3365063	299739.0248185107364	4400168.402156628	3188.92364033026	31.18050331200907	3046.3269581291694	67.2972582831583
335	375	277095	-150501.1413	10932937.3170250766	37.2791525247013	-01.3341615	299957.8976101084	4400164.31272763	3184.32383934939	31.1655686	3045.2705672581764	31.2860943943453
336	375	277096	-149841.1413	10932937.3170250766	37.2792554627303	-01.3318166	300158.90779604635	4400160.224	3176.811827905255	31.1511476	3044.27504680932746	63.42841103035142
337	375	277097	-149281.1413	10932937.3170250766	37.2793591938165	-01.3294678	300369.878644505	4400157.134802878	3172.69856969071	31.143582581939914	3043.632581939914	31.737814492151
338	375	277098	-148521.1413	10932937.3170250766	37.2794602263196	-01.3271269	300560.927814938	4400152.045616465	3168.87740040887	31.11241836417257	3042.654819595194	30.65071088257186
339	375	277099	-147861.1413	10932937.3170250766	37.27956194658674	-01.324782	300761.9378141814	4400147.95797378	3164.37043660367	31.10443411297284	3055.031890531253	68.86770137016976
340	375	277100	-147201.1413	10932937.3170250766	37.279662138372	-01.3224371	300962.46658641523	4400143.86913436	3185.905339506279	3041.0237828026564	3051.314761449274	63.3685566121355
341	375	277101	-146541.1413	10932937.3170250766	37.27976402806945	-01.3200922	301163.955696275	4400139.381126064	3109.38013658537	3040.4982198509424	3058.03809694294	49.9764717126299
342	375	277102	-145881.1413	10932937.3170250766	37.2798643892841	-01.3177474	301364.9648124565	4400135.69354289	3222.24423722881	31.0657956653102	3039.638293553412	60.9413582976067
343	375	277103	-145221.1413	10932937.3170250766	37.2799642974884	-01.3154025	301585.8798319136	4400131.451826425	3217.427016769652	31.0481790274529	3038.61890232746	66.59881025493664
344	375	277104	-144561.1413	10932937.3170250766	37.2800679535681	-01.3130576	301768.9622612703	4400127.1582009	3103.80427816654	3037.1682270252363	3037.1682270252363	38.9719239270599
345	375	277105	-143901.1413	10932937.3170250766	37.2801627548174	-01.3107127	301967.9907	4400123.431459992	3305.191975048034	31.01248097407004	3036.1665285024427	66.26247115349075
346	375	277106	-143241.1413	10932937.3170250766	37.2802613039578	-01.3083679	302168.99883450557	4400119.344630444	3236.91612277185	31.01405877657634	3034.88059629964	69.50072017928785
347	375	277107	-142581.1413	10932937.3170250766	37.28035940037914	-01.306023	302370.06890797	4400115.218069599	3235.76155239495	3099.69503052028	3033.0647841647346	30.71693202904474
348	375	277108	-141921.1413	10932937.3170250766	37.28045570431818	-01.3036781	302571.049338126	4400111.176930253	3231.636791582842	3098.33673752419	3031.244701284008	36.4341604592223
349	375	277109	-141261.1413	10932937.3170250766	37.2805542326545	-01.3013322	302773.022249857	4400107.06557884	3227.5104792451929	3096.384148513986	3028.058905881656	42.3014041482
350	375	277110	-140601.1413	10932937.3170250766	37.28065962974884	-01.2989483	302980.9786475842	4400102.99070036	3223.387402333857	3095.520634233857	3027.87124522458	38.7530111902276
351	375	277111	-139941.1413	10932937.3170250766	37.2807472543712	-01.2966433	303174.0732325715	4400099.91485877	3217.757699	3094.2845835878087	3024.094942175345	40.9476816201741
352	375	277112	-139281.1413	10932937.3170250766	37.2808430539486	-01.2942986	303375.0443172463	4400094.82653383	3222.623699527545	3092.946792836164	3020.397294	30.30349371433621
353	375	277113	-138621.1413	10932937.3170250766	37.2809384633862	-01.2919537	303576.0512069778	4400090.743	3223.488841093639	3091.614496828555	3015.775140494185	30.7167399249912387
354	375	277114	-137961.1413	10932937.3170250766	37.281033883816	-01.2896088	303774.057904674	4400086.65852827	3224.354412234524	3090.2871265859985	3010.411495826364	30.161270008212915
355	375	277115	-137301.1413	10932937.3170250766	37.2811279	-01.2872639	303878.064105331	4400082.578857445	3229.4076324238287	3098.363204967005	3008.85932505878	30.061902231604666
356	375	277116	-136641.1413	10932937.3170250766	37.2812157826905	-01.284819	3040179.0724774107	4400078.48938657	3236.837046575267	3097.6454593761774	2999.017600467197	2997.742349874561
357	375	277117	-135981.1413	10932937.3170250766	37.281307270553	-01.282493	304208.9786475842	4400074.78424	3235.87504772824	3096.78474772824	2998.78474772824	30.628339696044
358	375	277118	-135321.1413	10932937.3170250766	37.28140855719149	-01.2802293	304581.0279771949	4400070.31190815	3237.76177616881	3095.019414001354	3006.49630006918	30.143599038638157
359	375	277119	-134661.1413	10932937.3170250766	37.2815012179861	-01.2778844	304782.0885197914	4400066.2334721	3242.136057612595	3093.7089955413	3023.9967881620284	30.2389578638328
360	375	277120	-134001.1413	10932937.3170250766	37.2815934248434	-01.2755395	304983.0409588535	4400062.1594991	3261.92369171613	3082.377362279727	3026.20584420928	30.23117021240059
361	375	277121	-133341.1413	10932937.3170250766	37.28168517867914	-01.2731946	305184.0942879126	4400058.070763265	3261.700748666701	3081.0768667001	3025.44848570361	55.99520808859826
362	375	277122	-132681.1413	10932937.3170250766	37.2817764794932	-01.2708497	305385.104597061	4400053.98761384	3261.377385630102	3079.7126902523905	3024.511714391765	61.107120583093677
363	375	277123	-132021.1413	10932937.3170250766	37.281867722845	-01.2684848	305588.0786475842	4400049.48361	3259.0585196117445	3078.9715181828155	3023.52893423285	54.842825175983368
364	375	277124	-131361.1413	10932937.3170250766	37.281957122053	-01.26615	305787.1144849011	4400045.452244583	3259.0585196117445	3078.9715181828155	3023.52893423285	31.0586770341738
365	375	277125	-130701.1413	10932937.3170250766	37.2820476638031	-01.2638151	305988.1189637904	4400041.73914732	3257.15514281267	3075.61163659816	3021.315673659816	30.7816338428413
366	375	277126	-130041.1413	10932937.3170250766	37.2821371525282	-01.2614702	306189.123371172	4400037.3562138	3255.971653367138	3074.882116908918	3020.283280670457	51.81438252

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
441	375	27201	-80541.14133		1939237.3170250766	39.7287557814294	-01.0856021	321263.9291051043	4399732.172466443	3102.0511940035876	2947.177839608253	2913.7889588287876	33.8888075237719	34.99723317266334
442	375	27202	-79891.14133		1939237.3170250766	39.72876174200028	-01.0835371	321464.95117110675	4399728.11021857	3096.971009906296	2946.967784992454	2918.818335013456	31.6505619247924	38.149549074468247
443	375	27203	-78231.14133		1939237.3170250766	39.728766724553766	-01.0869122	321695.81419142953	4399724.048216493	3103.334628899297	2946.75855584137	2921.7105441418177	25.04452941354022	32.836818691912664
444	375	27204	-76561.14133		1939237.3170250766	39.728772149804075	-01.0785673	321666.904	4399719.981832367	3122.142507937995	2946.5337577040442	2942.865472878368	23.7940782608101	32.7940782608101
445	375	27205	-77901.14133		1939237.3170250766	39.7287751975321	-01.0762224	322067.8904878367	4399715.918108986	3120.9504726615032	2946.315021419808	2921.9865752904957	29.2415488299257	32.2393631
446	375	27206	-77241.14133		1939237.3170250766	39.72878243629625	-01.0738774	322268.884480903438	4399711.8550930485	3128.7584265429206	2946.083207131015	2920.121109516096	29.2226751282802	35.29651976149188
447	375	27207	-76581.14133		1939237.3170250766	39.72878812	-01.0715325	322373.8277013999047	4399707.7929453895	3133.578951084094	2945.805210052995	2917.739468487627	29.14882992597	32.21603312
448	375	27208	-75217.14133		1939237.3170250766	39.72879387774144	-01.0691876	322480.859706964825	4399703.702318161	3123.289274399113	2945.6053006990416	2918.1623765132363	30.417472338613	32.4742505573783
449	375	27209	-73561.14133		1939237.3170250766	39.7287968545079	-01.0669427	322671.84910115325	4399699.877263023	3125.040578899297	2945.356575554137	2921.7105441418177	25.04452941354022	32.836818691912664
450	375	27210	-74501.14133		1939237.3170250766	39.7288036993844	-01.0644477	323072.8323383308	4399695.065470259	3123.79302390532	2945.04620454919	2930.852755019506	21.1909918127	32.81946258369426
451	375	27211	-73941.14133		1939237.3170250766	39.7288087806547	-01.0621528	323273.82737411454	4399691.543504018	3126.063378391305	2944.840458430294	2906.817747400293	29.0687465492937	32.2021703180135
452	375	27212	-73281.14133		1939237.3170250766	39.728813840889075	-01.0598079	323474.8163	4399687.481665575	3128.845692832168	2944.59046939539	2903.824021837175	29.05.135354172909	40.7664755826146
453	375	27213	-72621.14133		1939237.3170250766	39.728818844809276	-01.0574629	323675.8049593853	4399683.420116919	3128.7584265429206	2944.345878298038	2901.40456465045824	29.2621342696803	42.08463459229506
454	375	27214	-71961.14133		1939237.3170250766	39.72882381062601	-01.055118	323876.79349479475	4399679.358804402	3128.4373194737783	2944.1069832964739	2900.20489157323	31.804143738373996	42.772217392215225
455	375	27215	-71301.14133		1939237.3170250766	39.728828727539316	-01.0527731	324278.17816898945	4399675.297762838	3127.1108748037933	2943.872966293914	2900.234597022461	29.015917326471054	43.352348162286036
456	375	27216	-7041.14133		1939237.3170250766	39.7288339914915	-01.0504282	324278.770052191	4399671.23689584	3124.66502191781	2943.64472230323	2899.381458	29.0102615762328	42.618121516905346
457	375	27217	-69981.14133		1939237.3170250766	39.72883842545552	-01.0480832	324478.7507459094	4399667.176280096	3122.22156898057	2943.41888408716	2899.02020459234	29.0017584986586	43.3968027481189
458	375	27218	-69231.14133		1939237.3170250766	39.7288432064584	-01.0457383	324680.7542964001	4399663.11590165	3121.985778369302	2943.197123	2898.305751683045	2899.570202077857	44.93179174162848
459	375	27219	-68661.14133		1939237.3170250766	39.72884784216019	-01.0433934	324881.7330773584	4399660.055774044	3119.5487586326751	2942.9806114051858	2897.4827583528167	29.888227595050148	44.9785365236901
460	375	27220	-68001.14133		1939237.3170250766	39.728852625156105	-01.0410484	325082.7212189819	4399654.995875671	3117.74517564555	2942.771456756455	2898.379484981828	29.8391368336937	44.1727523302601
461	375	27221	-67341.14133		1939237.3170250766	39.72885727764849	-01.0387035	325283.708605265	4399650.930213014	3125.526045335883	2942.57246334631	2897.399695123375	29.76468549709	45.1277854006112
462	375	27222	-66681.14133		1939237.3170250766	39.72886187743736	-01.036358	325484.6957317637	4399646.67869072	3126.014233682008	2942.385074233407	2896.54023805747	29.89647549059084	45.6448091765832
463	375	27223	-66061.14133		1939237.3170250766	39.7288671932275	-01.034259	325698.498229023	4399640.00954246	3127.018785465493	2942.318651689643	2895.338915286342	52.38133595927	45.6448091765832
464	375	27224	-65361.14133		1939237.3170250766	39.72887094110455	-01.0316687	325896.665635703	4399638.758369291	3124.623066904575	2942.05017655975	2894.22977603473	29.89455965376945	47.8204006
465	375	27225	-64701.14133		1939237.3170250766	39.72887540498284	-01.0293238	326087.65622975293	4399634.69999134	3123.4445078597436	2941.906874182605	2893.3016770618415	48.06519712076348	48.276942922073034
466	375	27226	-64041.14133		1939237.3170250766	39.7288798235579	-01.0269789	326288.647242599	4399630.361435258	3122.2958453232	2941.77983113804	2892.682363780181	2892.667297214223	49.3974893311927
467	375	27227	-63381.14133		1939237.3170250766	39.72888419682878	-01.0246339	326486.6290503026	4399626.583	3121.69807287149756	2941.669280780121	2891.4594386205413	2891.712764	50.20977015957985
468	375	27228	-62721.14133		1939237.3170250766	39.72888885	-01.022289	326680.6152077247	4399622.55173904	3114.013705215932	2941.57002026111	2890.8017416678795	29.8907311769598887	50.7625853871567
469	375	27229	-62061.14133		1939237.3170250766	39.72889327646045	-01.020249	326898.4682279023	4399616.687396771	3110.8712389957	2941.48174638444	2889.980738974515	51.3853652301634	51.3853652301634
470	375	27230	-61401.14133		1939237.3170250766	39.72889784	-01.0175991	327092.1616709144	4399614.07	3110.8712389957	2941.48174638444	2889.980738974515	51.3853652301634	51.3853652301634
471	375	27231	-60741.14133		1939237.3170250766	39.7289012368777	-01.0152542	327293.5726689848	4399610.353	3099.146139979678	2941.1813921855683	2888.1018514765415	29.83733344332	53.1025470902679
472	375	27232	-60081.14133		1939237.3170250766	39.7289053636106	-01.0129093	327484.5581550725	4399606.29478964	3090.4409913205375	2940.8499132350375	2887.032174733593	53.8266371073441	53.79696486144225
473	375	27233	-59421.14133		1939237.3170250766	39.7289094082676	-01.0105643	327695.534277614	4399602.239	3090.3460024417	2940.16642187537	2886.033221536436	54.1331947220932	54.14897872812389
474	375	27234	-58761.14133		1939237.3170250766	39.72891354122682	-01.0082194	327896.5268231593	4399598.18205428	3085.98522583927177	2940.08522583927177	2885.234129	54.58510991486472	53.9342891801232
475	375	27235	-58101.14133		1939237.3170250766	39.7289175502694	-01.0058744	328097.513064701	4399594.12581794	3084.933193429415	2937.0148014765983	2885.2114689800445	54.8043178653776	52.4981737027036
476	375	27236	-57441.14133		1939237.3170250766	39.72892151760736	-01.003529	328298.498229023	4399590.00954246	3087.307612389957	2934.80115263405	2884.980738974515	51.3853652301634	51.3853652301634
477	375	27237	-56781.14133		1939237.3170250766	39.72892547834321	-01.0011848	328499.4803726613	4399588.13661663	3086.620853749475	2933.1771756781128	2882.3612	52.38133595927	50.0938368313894
478	375	27238	-56121.14133		1939237.3170250766	39.72892932177473	-00.9989396	328700.4655952926	4399581.59004966	3080.05490194247	2930.05490194247	2880.93120609577	52.80191564049953	49.316475728923
479	375	27239	-55461.14133		1939237.3170250766	39.72893314	-00.9964847	328901.4518728914	4399577.90253838	3080.233494842357	2927.658349169056	2880.97173501201	52.80191564049953	49.316475728923
480	375	27240	-54801.14133		1939237.3170250766	39.7289366272681	-00.9941498	329102.4360239567	4399573.847	3080.233494842357	2927.658349169056	2880.97173501201	52.80191564049953	49.316475728923
481	375	27241	-54141.14133		1939237.3170250766	39.72894066574736	-00.9918048	329303.4200992777	4399578.748248523	3079.1941244437137	2925.264054139727	2879.73784076847	54.58510991486472	53.9342891801232
482	375	27242	-53481.14133		1939237.3170250766	39.728944594462	-00.9894599	329504.403268562	4399565.7373783	3068.17430636698	2926.0636895912	2875.1920930930662	54.58510991486472	53.9342891801232
483	375	27243	-52821.14133		1939237.3170250766	39.728948570786	-00.987123	329706.37901742916	4399561.629011428	3066.17430636698	2926.0636895912	2875.1920930930662	54.58510991486472	53.9342891801232
484	375	27244	-52161.14133		1939237.3170250766	39.72895116096925	-00.98477	329906.37901742916	4399557.629011428	3062.10992699017	2916.26783695372	2873.13911	57.5751093276653	41.067278215265
485	375	27245	-51501.14133		1939237.3170250766	39.728955168792716	-00.9824251	330134.57342952214	4399553.575	3062.73988614256	2914.08888181806	2874.093378404194	54.73430612017425	39.99551971386659
486	375	27246	-50841.14133		1939237.3170250766	39.72895868124834	-00.9800801	330308.3374541953	4399545.52131145	3063.368496215943	2912.01073731349484	2873.205472	58.0052647952661	39.7852081054367
487	375	27247	-50181.14133		1939237.3170250766	39.72896214849322	-00.9777352	330509.320485581	4399545.46794257	3060.434759863756	2909.951437855616	2872.306885656094	57.684651899913	37.6426776895486
488	375	27248	-49521.14133		1939237.31									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgrg.ft	BRrElevBothKgrg.ft	SatThkLog.s	SatThkBoth.ft
567	573732	2618.858677303514		1929237.3170250766	39.72909273990375	-100.7901397	465847.45511007937	4399221.497000958	283.2899632025104	2734.5080808297201	2759.238038471057	2759.232479672524	0	0
568	573738	3278.858677303514		1929237.3170250766	39.7290925748708	-100.7877948	466784.4154543075	4399217.912511051	272.1288188096368	2732.1288188096368	2759.04533369697	2759.04533369697	17.9126598618934	0
569	573739	3580.858677303514		1929237.3170250766	39.72909269764634	-100.7856498	468699.3686530795	4399183.257258133	283.2899632025104	2732.1288188096368	2759.04533369697	2759.04533369697	12.215189	0
570	573739	4598.85867730351		1929237.3170250766	39.72909199674183	-100.7831409	471190.3507231238	4399209.844235601	287.285126542695	2732.43256772234	2758.106515605325	2758.106515605325	70.073	0
571	573731	5258.85867730351		1929237.3170250766	39.72909168413246	-100.7807599	473791.32560650474	4399205.10450043	282.06453393982803	2725.109086524013	2758.56468696845	2759.005112724896	0	0
572	573732	5918.85867730351		1929237.3170250766	39.7290912747806	-100.778415	475992.29536180367	4399120.768992465	285.567231008922	2722.8002355218596	2755.481619117184	2755.481619117184	73.072	0
573	573733	6578.85867730351		1929237.3170250766	39.72909084584416	-100.7760701	477793.26497066885	4399197.174	282.06453393982803	2720.520736851334	2748.44181150063825	2748.239554772786	0	0
574	573734	7238.85867730351		1929237.3170250766	39.7290903716308	-100.7737251	47994.3243285056	4399173.711	2824.6109051102076	2718.213097312896	2741.5095202284724	2740.927119003127	0	0
575	573738	7898.85867730351		1929237.3170250766	39.7290898569695	-100.7713802	481695.29748506014	4399162.44444824	281.47834664679	2715.831494286963	2738.288538189366	2738.288538189366	15.92853226	0
576	573735	8558.85867730351		1929237.3170250766	39.7290928771084	-100.7680532	483896.17291800026	4399165.64503355	281.6010561129736	2713.655678516993	2729.7422351611194	2729.7422351611194	77.04847	0
577	573737	9218.85867730351		1929237.3170250766	39.7290887705845	-100.7669903	485897.1419	4399181.612666456	2808.752377812794	2711.38534437105845	2724.628905568003	2723.962784805196	0	0
578	573738	9878.85867730351		1929237.3170250766	39.7290880160214	-100.7643453	487898.11801890494	4399177.58025407	2803.904599	2709.179292223587	2720.193658189006	2719.515666	0	0
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591	573751	18458.85867730351		1929237.3170250766	39.72907780000000	-100.733861	51410.693147537	4399125.184	2712.2913893194464	2680.640329533857	2679.987650033567	2679.98064743561	3.042768017725853	3.265934781877483
592	573752	19118.85867730351		1929237.3170250766	39.7290740829769	-100.7315611	51611.660047237	4399121.15616822	2717.314610134129	2681.5433016697893	2679.2118251884826	2679.2445597010592	3.234176481306708	3.29874196930142
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595	573755	21098.85867730351		1929237.3170250766	39.72906994739156	-100.7246813	52241.4599158155	4399109.07600487	2728.454448	2678.62963269634	2678.62963269634	2678.62963269634	0.98125044805197	0.673118081985194
596	573756	21758.85867730351		1929237.3170250766	39.729069478411804	-100.7221363	52451.0520079801	4399105.02405931	2727.07112423377	2677.07112423377	2677.07112423377	2677.07112423377	1.9414126473311943	1.7847740561722821
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602	573762	25718.85867730351		1929237.3170250766	39.72905945634	-100.7081696	53621.207585317	4399080.70004087	2782.4745454	2670.15037182180278	2665.8317622631	2665.8317622631	4.43714573846807	4.1767722036026
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610	573770	30998.85867730351		1929237.3170250766	39.7290431265182	-100.6893071	55229.0392210121	4399048.675841427	2816.48632991762	2659.965209715875	2655.5402517080823	2655.985733381883	7.32495600778237	6.8747437968697
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREVElevKgr.ft	BREVElevBothKgr.ft	SatHtKgr.ft	SatHtBoth.ft
693	375	274743	85778.85867307335	109329.3710250766	39.72871046767295	-100.49466776	371908.6172785624	338715.4473688165	2739.5739644031287	2578.965856612838	2569.0723384775215	2567.673798	62.7113808376226	62.111859060503775
694	375	274744	85784.85867307335	109329.3710250766	39.72870456988486	-100.49432327	372109.5661	338707.4142392675	2737.9895612168534	2629.677445705586	2566.156056	2566.3126367172367	63.09708834058496	64.3610776531263
695	375	274745	85789.85867307335	109329.3710250766	39.728698961000794	-100.49398727	372310.519694605	338697.07438	2738.0027318111543	2629.4748692817565	2563.8486989697445	2565.62329121077088	65.62329121077088	65.1042101067
696	375	274746	85794.85867307335	109329.3710250766	39.72869259970903	-100.4872367	372152.4748307004	338687.134321	2737.313480923062	2629.1756869221455	2561.4009671	2560.440115143279	67.7657953815536	68.73555147769651
697	375	274747	85818.85867307335	109329.3710250766	39.728686653115836	-100.48525799	372712.4254749555	338669.42886123	2731.2422274109074	2628.788926569351	2558.8178808820444	2558.10880011041	69.074058730674	70.107265831004
698	375	274748	858078.85867307335	109329.3710250766	39.7286604612189	-100.482953	372913.8733570964	338652.42842652	2728.431985703123	2566.5643057323264	2555.8447199101156	2555.8447199101156	71.7555130506955	72.4751371230673
699	375	274749	857838.85867307335	109329.3710250766	39.72867243041815	-100.480681	373013.3310955374	338661.421016628	2727.6649092819159	2627.75116508171	2554.916068317414	2554.916068317414	72.8590515642948	73.9340475838132
700	375	274750	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
701	375	274751	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
702	375	274752	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
703	375	274753	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
704	375	274754	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
705	375	274755	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
706	375	274756	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
707	375	274757	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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710	375	274760	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
711	375	274761	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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713	375	274763	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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715	375	274765	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
716	375	274766	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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721	375	274771	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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724	375	274774	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
725	375	274775	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
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728	375	274778	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
729	375	274779	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
730	375	274780	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
731	375	274781	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
732	375	274782	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
733	375	274783	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
734	375	274784	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.777766203056	2627.1615980958466	2554.166441193554	2553.6470555142905	72.9551558629676	73.51454139155612
735	375	274785	85789.85867307335	109329.3710250766	39.72866811514575	-100.4786231	373315.2837246681	338647.41422311	2727.7777					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg	BRElevBothKrg	SatThk30m	SatThkBoth
79	77	27579	-319461.1413		1039897.3170250766	39.725599162240925	-01.9344465	248486.43397694486	4401420.292470712	3505.3345828986227	3604.130218419991	3403.3318849053776	3404.047053	2.082715710670936
80	77	27580	-318801.1413		1039897.3170250766	39.72562106707292	-01.9321018	248969.50216148998	4401146.121173712	3495.852966796327	3403.523283520538	3404.1456914729492	3403.36486927241	2.469360593269453
81	77	27581	-318141.1413		1039897.3170250766	39.725642326610065	-01.9307472	248868.96475181547	4401141.892115818	3494.750452262402	3401.508865344466	3398.9511884623394	3399.0551884623394	2.469360593269453
82	77	27582	-317481.1413		1039897.3170250766	39.725664740852744	-01.9274215	249087.64898184006	4401407.8422604485	3476.885823681652	3393.19052497303	3393.9067090782146	3396.65958533008	2.469360593269453
83	77	27583	-316821.1413		1039897.3170250766	39.725686609799561	-01.9250678	249300.701	4401403.692716087	3471.206043052228	3396.78483574291	3391.081756848091	3394.9301712100055	2.469360593269453
84	77	27584	-316161.1413		1039897.3170250766	39.72570823345171	-01.9227232	249501.7660870286	4401399.543761641	3469.321033333338	3394.366699190058	3388.648276517095	3388.648276517095	2.469360593269453
85	77	27585	-315501.1413		1039897.3170250766	39.7257291180886	-01.9203785	249702.83234901645	4401395.342722065	3465.401763292498	3391.982648	3386.33123975505	3390.873524519777	2.469360593269453
86	77	27586	-314841.1413		1039897.3170250766	39.72575154487091	-01.9180338	249903.8764365592	4401385.254408351	3465.557662366298	3389.582463657541	3384.467411196299	3389.354156548415	2.469360593269453
87	77	27587	-314181.1413		1039897.3170250766	39.72577315263781	-01.9158689	250104.96269115477	4401387.096734892	3468.794460172897	3388.153818489878	3382.5146297784503	3382.5146297784503	2.469360593269453
88	77	27588	-313521.1413		1039897.3170250766	39.72579405110651	-01.9133445	250306.0274917182	4401382.458397447	3452.9718724212657	3387.748447521969	3381.0822913422353	3381.0822913422353	2.469360593269453
89	77	27589	-312861.1413		1039897.3170250766	39.72581617228602	-01.9109898	250507.029045531	4401380.2050309	3453.208246895645	3382.426549714663	3379.257179386063	3383.70313952078	2.469360593269453
90	77	27590	-312201.1413		1039897.3170250766	39.725837624167234	-01.9086551	250708.15632690393	4401374.652419631	3447.44669901824	3380.128159814213	3377.8133331526956	3381.454717513327	2.469360593269453
91	77	27591	-311541.1413		1039897.3170250766	39.725859003073135	-01.9063105	250904.22000133862	4401370.546724565	3427.4463758491848	3377.923808471587	3376.4268024816433	3381.7903043961227	2.469360593269453
92	77	27592	-310881.1413		1039897.3170250766	39.725876258024025	-01.9039658	251110.284227594	4401366.25741766	3415.208324093111	3375.862210466203	3375.0403444750744	3376.91860626201	2.469360593269453
93	77	27593	-310221.1413		1039897.3170250766	39.72590170803887	-01.9016211	251311.3477977489	4401362.310498881	3402.97026591987	3374.004244534077	3373.788261538442	3374.243721136265	2.469360593269453
94	77	27594	-309561.1413		1039897.3170250766	39.725923297873859	-01.8992764	251512.4111210047	4401358.03609801	3390.722210189643	3372.414650340202	3372.69570407042	3369.641382791405	2.469360593269453
95	77	27595	-308901.1413		1039897.3170250766	39.725944024142834	-01.8969317	251713.47419884446	4401353.919620518	3382.538458285385	3371.1345454081263	3371.5454598182634	3383.950242140107	2.469360593269453
96	77	27596	-308241.1413		1039897.3170250766	39.72596538421558	-01.894587	251914.5370313672	4401349.789851258	3374.486748101353	3370.165523604668	3370.437937633097	3358.07117874065	2.469360593269453
97	77	27597	-307581.1413		1039897.3170250766	39.72598651906475	-01.8922424	252115.5996188124	4401343.672673133	3374.339002429336	3369.466797	3369.44612285373	3353.205477	2.469360593269453
98	77	27598	-306921.1413		1039897.3170250766	39.72600760858234	-01.8898977	252316.6196138936	4401341.476230317	3370.2293310379314	3367.94797291597	3368.365522	3351.742033781885	2.469360593269453
99	77	27599	-306261.1413		1039897.3170250766	39.72602862804025	-01.8878553	252517.7240599307	4401337.31913205	3369.516934572139	3368.62506570434	3367.275749758585	3353.025124512641	2.469360593269453
100	77	27600	-305601.1413		1039897.3170250766	39.72604965175051	-01.8852033	252718.78591275928	4401333.18627995	3372.018140776714	3368.36448082907	3366.185736966175	3355.6353210216945	2.469360593269453
101	77	27601	-304941.1413		1039897.3170250766	39.726070613695006	-01.8829041	252919.8473196978	4401329.041	3369.584271989627	3364.927314212383	3362.47491077838	3352.87121724963	2.469360593269453
102	77	27602	-304281.1413		1039897.3170250766	39.726091513695006	-01.8805189	253120.9088713356	4401324.869026255	3367.9657031529455	3364.13772416385	3358.389195	3352.975736503474	2.469360593269453
103	77	27603	-303621.1413		1039897.3170250766	39.72611237673478	-01.8787142	253321.97000840692	4401320.751264055	3380.4125902240646	3367.78327447496	3363.520476383893	3358.56823682936	2.469360593269453
104	77	27604	-302961.1413		1039897.3170250766	39.72613319447789	-01.8758295	253523.0308861596	4401316.60696806	3383.410728890753	3367.596180765023	3362.978165250606	3359.1046915926	2.469360593269453
105	77	27605	-302301.1413		1039897.3170250766	39.72615336692515	-01.8734848	253724.0915204332	4401312.462718895	3368.408465581055	3367.3924706438993	3363.119077851606	3359.8504195168	2.469360593269453
106	77	27606	-301641.1413		1039897.3170250766	39.72617468047645	-01.8717401	253925.15911491013	4401308.31828383	3389.406290271357	3367.166795357945	3363.2003778873527	3360.909700757958	2.469360593269453
107	77	27607	-300981.1413		1039897.3170250766	39.72619581953881	-01.8697874	254126.2940595378	4401304.17443458	3384.62197424391	3366.3487218263	3362.307215412383	3359.410777838	2.469360593269453
108	77	27608	-300321.1413		1039897.3170250766	39.72621601249115	-01.8685057	254327.0719647038	4401300.03022398	3383.05476802498	3365.43549624854	3364.9439123139071	3358.9419123139071	2.469360593269453
109	77	27609	-299661.1413		1039897.3170250766	39.72623660375444	-01.866106	254528.33162742153	4401296.8452088	3384.486122973913	3366.3758107369945	3366.493576711527	3366.715572702861	2.469360593269453
110	77	27610	-299001.1413		1039897.3170250766	39.72625714972167	-01.8617613	254729.39104767982	4401291.744318875	3387.91849737527	3367.648794093167	3367.648794093167	3368.36629093033	2.469360593269453
111	77	27611	-298341.1413		1039897.3170250766	39.726277650392745	-01.8594166	254930.45022574934	4401287.60142337	3381.563597209626	3365.796291822656	3361.503271214383	3361.799473712558	2.469360593269453
112	77	27612	-297681.1413		1039897.3170250766	39.72629810576766	-01.8570719	255113.5091618415	4401284.45878472	3380.4214241259364	3365.50646314528	3363.68642148349	3353.604376231029	2.469360593269453
113	77	27613	-297021.1413		1039897.3170250766	39.72631851984004	-01.8547272	255332.5678951671	4401279.31625137	3407.279251	3365.223873067498	3346.19845181998	3346.00427885497728	2.469360593269453
114	77	27614	-296361.1413		1039897.3170250766	39.7263396092698	-01.8523285	255533.6283919146	4401275.174172732	3384.92170789107	3364.952717896207	3346.92170789107	3358.8712174963	2.469360593269453
115	77	27615	-295701.1413		1039897.3170250766	39.726360100115084	-01.8500878	255734.6845203134	4401271.03223288	3387.402538289198	3364.696732505928	3342.2773826724296	3342.2773826724296	2.469360593269453
116	77	27616	-295041.1413		1039897.3170250766	39.72637947430495	-01.8476931	255935.7424905886	4401266.8903515865	3384.84549650116	3364.45134478316	3362.66231099579	3342.7398965826784	2.469360593269453
117	77	27617	-294381.1413		1039897.3170250766	39.7263993020851	-01.8453484	256136.8003198045	4401262.74096912	3384.919156803487	3381.947124012407	3371.6373278934167	3352.072378934167	2.469360593269453
118	77	27618	-293721.1413		1039897.3170250766	39.7264198680561	-01.8430036	256337.8570836566	4401258.60784223	3382.486184116396	3363.960824512104	3361.3160186823109	3351.9999625063124	2.469360593269453
119	77	27619	-293061.1413		1039897.3170250766	39.72644002510626	-01.8406689	256583.9150563941	4401254.46887558	3380.23606870858	3363.690833097068	3359.058887624633	3352.985421727029	2.469360593269453
120	77	27620	-292401.1413		1039897.3170250766	39.726464012	-01.8383142	256739.9720640697	4401250.26110796	3380.42431871703	3363.061151258748	3363.06620270412	3352.40481202373	2.469360593269453
121	77	27621	-291741.1413		1039897.3170250766	39.726485019809	-01.8359318	256934.025319809	4401246.04353094	3381.848724849878	3363.414001725422347	3362.414001725422347	3352.414001725422347	2.469360593269453
122	77	27622	-291081.1413		1039897.3170250766	39.72650168229165	-01.833248	257142.0853934973	4401242.04533094	3381.088166879163	3361.444662520444	3362.234201107083	3351.20361930841	2.469360593269453
123	77	27623	-290421.1413		1039897.3170250766	39.72652012534366	-01.83128	257343.141674314	4401237.9050321325	3382.116287397527	3362.882896911603	3362.882896911603	3352.628834243234	2.469360593269453
124	77	27624	-289761.1413		1039897.3170250766	39.726540036161534	-01.8289353	257544.1976977743	4401233.7655973352	3359.76246791799	3359.76246791799	3359.76246791799	3359.76246791799	2.469360593269453
125	77	27625	-289101.1413		1039897.3170250766	39.7265590368273	-01.8265906	257745.2530494916	4401229.625959505	3359.016680790253	3359.044544077857	3342.9674547889785	3342.967454788	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BREIEvgsKgr.f	BREIEvBothKgr.f	SatHtKgs.f	SatHtBoth.f
205	276	27705	-236301.1413		1039897.310250766	78.280240691471	-01.6390988	273828.914	4008999.234	3521.6916540702153	3202.693367187489	3220.144290926564	3213.43366476384	89.25950254108515
206	276	27706	-235641.1413		1039897.310250766	78.280165826516	-01.636664	273924.99652641486	4008986.113717811	3515.994084894155	3301.5260765153257	3219.885667053128	3213.151014924578	81.64036810039892
207	276	27707	-234881.1413		1039897.310250766	78.2803481035607	-01.6343192	274231.0384161689	4008980.993071233	3520.014319355853	3293.250392697619	3195.157421481025	3193.0845422817873	85.2576101687813
208	276	27708	-234321.1413		1039897.310250766	78.2805091172376	-01.6319744	274432.070327673	4008896.873922945	3512.488996369059	3299.133601901016	3217.2036680212605	3213.0512132180754	85.09402958290402
209	276	27709	-233661.1413		1039897.310250766	78.2806069654361	-01.6296296	274633.1085294151	4008882.754382746	3512.0514570210185	3298.005716399164	3214.5331581117475	3213.3300836105168	86.67636372885764
210	276	27710	-233001.1413		1039897.310250766	78.280629477119	-01.6272847	274834.1347531385	4008875.303800482	3511.6129176729666	3296.822790643447	3210.793208812321	3207.806961951086	89.01582493284454
211	276	27711	-232341.1413		1039897.310250766	78.2808986564361	-01.6249399	275035.1807568276	4008854.516016145	3509.815966012324	3295.635394	3206.1252706893062	3203.446703061604	92.18899606
212	276	27712	-231681.1413		1039897.310250766	78.2811489121634	-01.6229591	275236.216367168	4008070.39718929	3505.7665028127886	3294.444214392183	3200.6238475520227	3198.173168635284	93.4704375689873
213	276	27713	-231021.1413		1039897.310250766	78.2813707148935	-01.6209253	275457.2521	4008064.278801123	3502.014319355853	3293.250392697619	3195.157421481025	3193.0845422817873	103.12767020101529
214	276	27714	-230361.1413		1039897.310250766	78.2814691	-01.619054	275621.0234351555	4008862.160250624	3498.261987795185	3292.0353625414	3191.452466224194	3190.095873344226	101.96352211764851
215	276	27715	-229701.1413		1039897.310250766	78.28162369136035	-01.6165606	275839.3225359384	4008508.02137919	3498.261987795185	3292.0353625414	3191.452466224194	3190.095873344226	101.96352211764851
216	276	27716	-229041.1413		1039897.310250766	78.2817814050967	-01.6132158	276040.3574516666	4008534.926263103	3505.412326	3289.6579121862255	3188.729594601476	3188.9279410215915	100.7301217646340
217	276	27717	-228381.1413		1039897.310250766	78.281933859346	-01.610871	276241.3921	4008493.806626171	3511.4299943967994	3288.650904317036	3189.0947313095844	3188.03574594844	99.9628912211922
218	276	27718	-227721.1413		1039897.310250766	78.28209493375355	-01.6085261	276442.4265865198	4008451.692297109	3517.444763287838	3287.265227	3188.515012498859	3186.6648415537493	98.75022411168109
219	276	27719	-227061.1413		1039897.310250766	78.28225101831335	-01.6061813	276643.46062401264	4008453.08959193	3518.419588496062	3286.073817580683	3187.698937590014	3186.3488008065744	101.37424832862957
220	276	27720	-226401.1413		1039897.310250766	78.282409650039	-01.6038365	276844.4984614281	4008375.45142578	3517.34570994269	3284.8894724254	3186.711524899704	3183.601033266683	101.1889434454595
221	276	27721	-225741.1413		1039897.310250766	78.2825618297497	-01.6014816	277045.52860167	4008329.33464793	3515.278141515577	3283.711843256334	3185.7688406825226	3182.925799626593	100.92035631217
222	276	27722	-225081.1413		1039897.310250766	78.282716554536	-01.5991468	277246.562129336	4008023.22009451	3513.19812288644	3282.546014887497	3184.878506350237	3184.878506350237	97.66750113851276
223	276	27723	-224421.1413		1039897.310250766	78.2828708272758	-01.596802	277447.59557825037	4008205.106	3511.821440215716	3281.390713	3184.3460513363827	3180.06370781431	101.32700504515497
224	276	27724	-223761.1413		1039897.310250766	78.2830246471055	-01.5945471	277648.6278404068	4008200.989827663	3511.150165	3280.24696719671	3183.595716137754	3178.9044284424450	101.342486475601
225	276	27725	-223101.1413		1039897.310250766	78.2831780137545	-01.5921123	277849.6164295161	400816.874	3510.476126682822	3279.116520936224	3181.641402515857	3177.051695961783	101.4721265044654
226	276	27726	-222441.1413		1039897.310250766	78.2833009724524	-01.5897673	278050.69144598514	4008072.75897152	3508.76687801556	3277.999350580623	3180.640281321604	3175.103628081189	97.3950695288273
227	276	27727	-221781.1413		1039897.310250766	78.28342415452365	-01.5874268	278251.7283321295	400775.16651414	3508.45747895494	3276.971827780354	3179.521192426624	3178.42138198984	101.1946276838469
228	276	27728	-221121.1413		1039897.310250766	78.28353359396296	-01.5850778	278452.7591061683	4008054.528317857	3508.201191654173	3275.9836436954	3178.4536025481225	3177.047100981762	100.79461265510222
229	276	27729	-220461.1413		1039897.310250766	78.28378895069516	-01.5827328	278653.7911505978	4008004.414	3507.3736179971576	3274.709393200813	3177.454817000208	3169.4658772392958	97.255722078508
230	276	27730	-219801.1413		1039897.310250766	78.2839303504251	-01.5803881	278854.8228923647	4007796.298897225	3506.53707829477	3273.628120041212	3176.221303660544	3167.0424071612504	100.4681138
231	276	27731	-219141.1413		1039897.310250766	78.28408087011523	-01.5780432	279055.85459791886	4007792.184682218	3504.774343605155	3272.50746324215	3174.933762331567	3168.309295851768	98.619832764809
232	276	27732	-218481.1413		1039897.310250766	78.284238896764	-01.5756864	279256.889595694	4007708.070612977	3502.085427558584	3271.479595219917	3173.950365499622	3161.60127096104	97.5255897205522
233	276	27733	-217821.1413		1039897.310250766	78.284398389745	-01.5733368	279457.81717842338	4007653.69677098	3500.4839875432117	3270.4071026806923	3172.564784725734	3161.60127096104	97.5255897205522
234	276	27734	-217161.1413		1039897.310250766	78.28453792514175	-01.5710781	279645.4814037873	4007581.834189653	3498.707596105735	3269.47704702442	3171.134034593413	3161.60127096104	97.5255897205522
235	276	27735	-216501.1413		1039897.310250766	78.284686766283	-01.5686639	279859.978887768	4007575.72930275	3494.4629209742556	3268.2506628706383	3169.705299940632	3165.903097594847	98.35007293
236	276	27736	-215841.1413		1039897.310250766	78.284835149378	-01.566319	280061.00941877055	4007716.716711622	3492.466129779556	3267.1669521796694	3168.320463311012	3147.3007300799847	98.464888665716
237	276	27737	-215181.1413		1039897.310250766	78.28498304842266	-01.5639742	280262.03973360127	4007657.50330694	3490.860467212193	3266.075631310584	3167.123418902151	3141.423314371946	98.9521945128374
238	276	27738	-214521.1413		1039897.310250766	78.2851305581426	-01.5616293	280463.0696324614	4007603.91817484	3488.056492019266	3264.976338499725	3165.71577484584	3141.423314371946	98.9521945128374
239	276	27739	-213861.1413		1039897.310250766	78.2852775823681	-01.5592485	280664.09971557395	4007592.27819188	3486.198931757454	3263.969301894612	3164.4531467632319	3140.655522	99.41588342624209
240	276	27740	-213201.1413		1039897.310250766	78.28542415452365	-01.5569396	280865.1283312895	400755.16651414	3484.282416141614	3262.754077895494	3162.971827780354	3161.60127096104	97.5255897205522
241	276	27741	-212541.1413		1039897.310250766	78.28557037321244	-01.5545848	281066.1588353375	4007515.05468497	3482.3506176701327	3261.62403121565	3161.656453381725	3160.212007962313	99.9681824693438
242	276	27742	-211881.1413		1039897.310250766	78.285719	-01.5522499	281267.1880724084	4007476.49219687	3480.7610791331396	3260.4818963747143	3160.50728468431	3161.155659457296	99.9461168682342
243	276	27743	-211221.1413		1039897.310250766	78.28586115156354	-01.5499051	281468.217094548	400742.832	3480.0693350620524	3259.32780780426	3159.3723509798742	3161.155659457296	99.9461168682342
244	276	27744	-210561.1413		1039897.310250766	78.2860059112294	-01.5475602	281669.245901951	400738.723019901	3478.2220656950724	3258.146574672105	3158.254657578871	3161.155659457296	99.9461168682342
245	276	27745	-209901.1413		1039897.310250766	78.2861502179604	-01.5452153	281870.27459477325	400734.609383647	3486.394592895829	3256.952991053863	3158.91990329512	3161.155659457296	99.9461168682342
246	276	27746	-209241.1413		1039897.310250766	78.2862947191125	-01.5428705	2821001.3029733496	400730.40896733	3485.551720519879	3255.740220058468	3157.814724256293	3161.155659457296	99.9461168682342
247	276	27747	-208581.1413		1039897.310250766	78.286439545444	-01.5405248	282305.7881871724	400726.336983333	3484.3506176701327	3254.704672895494	3162.971827780354	3161.60127096104	97.5255897205522
248	276	27748	-207921.1413		1039897.310250766	78.2865819169455	-01.5381808	282473.391	400722.77276203	3482.3506176701327	3253.506176701327	3161.656453381725	3160.212007962313	99.9681824693438
249	276	27749	-207261.1413		1039897.310250766	78.286732145241	-01.5358359	282674.38682525634	4007178.16797394	3480.4920949672556	3251.862862110993	3157.18112526934	3160.212007962313	99.9681824693438
250	276	27750	-206601.1413		1039897.310250766	78.2868649514554	-01.5334911	282875.4143486408	4007164.05002098	3478.63373225313	3250.698228007718	3150.1548421468055	3155.1303729126523	110.5847669091238
251	276	27751	-205941.1413		1039897.310250766	78.2870064457844	-01.5311462	283076.41456812542	400709.948452642	3476.491021468483	3249.3740276909593	3148.552023844006	3153.867351	100.82200236558922
252	276	27752	-205281.1413		1039897.310250766	78.287147680								

ix	iy	Xc	Yc	Latitude	Longitude	UTM-E	UTM-Y	SurfElev	W.Lt.	BREIEVLogKrg.f	BREIEVLogKrg.f	LatH420.f	SatHBoth.f
321	376	277831	-153141.1413	1039897.310250766	39.296858604147	-101.3435645	299157.95309758535	4400381.953305323	327.56689260446	3122.096438908313	3048.6830196842834	34.143420.11984574	72.16495526
322	376	277832	-152481.1413	1039897.310250766	39.29690759811553	-101.3412096	299358.9646274012	4400377.963017699	3202.12569725711	3120.6336745416857	3047.6587413866027	34.724933.15308293	70.57190189710865
323	376	277833	-151821.1413	1039897.310250766	39.29703519918904	-101.3384672	299569.970156969	4400373.722821983	3198.738178688436	3046.561284001765	3049.87802763112	35.1645044892599	69.300734115842
324	376	277834	-151161.1413	1039897.310250766	39.2971791873227	-101.3356198	29970.9547760496	4400369.683032058	3191.35390522241	3117.732027468309	3045.50681415345	34.9083672107908	72.27340520634013
325	376	277835	-150501.1413	1039897.310250766	39.2972872224875	-101.3341748	299961.9968686787	4400365.953441485	3185.56235904085	3116.2911841424266	3044.5470593616824	30.3127447807441	66.15391755695694
326	376	277836	-149841.1413	1039897.310250766	39.2973580423675	-101.3318299	300163.00554400973	4400361.500405659	3179.304201270668	3114.855231707739	3043.691236139639	30.506569713394	64.1890356813394
327	376	277837	-149181.1413	1039897.310250766	39.2974883731949	-101.329485	300364.0152832023	4400357.415	3173.2195089580303	3113.42762727187	3042.9190818618185	30.50368086950015	62.0178322624638
328	376	277838	-148521.1413	1039897.310250766	39.2975906091123	-101.32714	300565.042826484	4400353.325997805	3167.016466360393	3111.991376252213	3042.200136	30.50423742551637	69.791240064970495
329	376	277839	-147861.1413	1039897.310250766	39.29769263205246	-101.3247951	300766.0341776029	4400349.923732333	3169.1691328118514	3110.8173744623	3041.528016834658	30.503370381074265	69.800734115842
330	376	277840	-147201.1413	1039897.310250766	39.29773350189674	-101.3224502	300867.0433231958	4400345.148886634	3182.58705869294	3109.140808180513	3040.71702577904	30.50434039055403	68.2223844040401
331	376	277841	-146541.1413	1039897.310250766	39.297894187385	-101.3201052	301168.052917272	4400341.00989489	3195.0049811426563	3107.726803265995	3040.2428618186073	30.52956381350005	64.4830684473872
332	376	277842	-145881.1413	1039897.310250766	39.29794947825504	-101.3177603	301369.0610569272	4400336.97273079	3207.422905338687	3106.321043744841	3039.451294165026	30.50585748956613	66.7972478877981
333	376	277843	-145221.1413	1039897.310250766	39.2980046933324	-101.3154154	301668.01706627826	4400332.8285	3214.666817622826	3104.921368973926	3038.6929134359954	30.51383018878676	66.22905403
334	376	277844	-144561.1413	1039897.310250766	39.29819415108416	-101.3130704	301771.078004635	4400328.7975078	3126.736715154999	3103.5293731002353	3037.8649496191642	30.50463978281896	64.7897934086137
335	376	277845	-143901.1413	1039897.310250766	39.29829315580574	-101.3107255	301972.086175564	4400324.71205492	3218.8066135809498	3102.142400646204	3036.950827187472	30.51538781999588	32.691179274823
336	376	277846	-143241.1413	1039897.310250766	39.2983917074969	-101.3083806	302173.0042	4400320.62338168	3220.87651200521	3100.760261785633	3035.638661786204	30.50949992	65.121999949024
337	376	277847	-142581.1413	1039897.310250766	39.2984890615585	-101.3060356	302374.101972564	4400316.53458959	3219.988385542342	3099.38027594702	3034.197726283027	30.50739176425869	65.1843948134343
338	376	277848	-141921.1413	1039897.310250766	39.2985845717861	-101.3036907	302575.1095705093	4400312.449917478	3216.142234322473	3090.060660070544	3032.5994856584497	30.50675673918162	60.479474225571
339	376	277849	-141261.1413	1039897.310250766	39.2986864443845	-101.3013458	302776.116884496	4400308.363621198	3212.286097890136	3096.633876345674	3030.6785898975046	30.50836170937036	65.9552802670629
340	376	277850	-140601.1413	1039897.310250766	39.2987813839514	-101.2990008	302977.1242010743	4400300.27543751	3208.4489525672995	3095.261871756826	3028.4084030645453	30.50584173282134	44.44512603364905
341	376	277851	-139941.1413	1039897.310250766	39.2988776704989	-101.2966559	303178.132250546	4400300.19171216	3208.39530276862	3093.89389020522	3025.7266489805824	30.504248296809818	68.9611921843979
342	376	277852	-139281.1413	1039897.310250766	39.29897350039504	-101.2943109	303378.13805649197	4400296.160117316	3215.13343740101	3092.529856904299	3022.5356856857223	30.503748682898	69.1691160357653
343	376	277853	-138621.1413	1039897.310250766	39.299078464825	-101.2920874	303596.1849674287	4400289.9375814	3225.203444895425	3091.720575849216	3020.868428281473	30.5034584098916	64.7897934086137
344	376	277854	-137961.1413	1039897.310250766	39.29916381190236	-101.2892121	303781.151249625	4400285.953638109	3226.60832502579	3089.811749248297	3014.037532200928	30.501219171203336	70.59977804904395
345	376	277855	-137301.1413	1039897.310250766	39.2992582863907	-101.2872761	303982.1573835857	4400283.805793927	3227.4481851977253	3088.8863172652767	3010.615488940324	30.507541588947826	77.84186486760993
346	376	277856	-136641.1413	1039897.310250766	39.2993523076854	-101.2849312	304183.16346213646	4400279.76106071	3227.819444741661	3087.107504318027	3006.603293384333	30.50544504908054	80.50724103936943
347	376	277857	-135981.1413	1039897.310250766	39.2994459	-101.2825862	304384.16933450126	4400275.68195216	3243.380619056593	3085.761217450435	3012.2313218196105	30.5299653082474	70.5039217494342
348	376	277858	-135321.1413	1039897.310250766	39.29953899133776	-101.2802413	304585.1701566274	4400271.597521127	3248.9417938717478	3084.412309617956	3019.191530808293	30.51481672130935	69.95383083408254
349	376	277859	-134661.1413	1039897.310250766	39.299638165361475	-101.277864	304786.189092484	4400267.8514	3252.540344895425	3083.5684982369	3018.258912765478	30.51383018878676	64.7897934086137
350	376	277860	-134001.1413	1039897.310250766	39.2997323864959	-101.2755514	304984.1850951934	4400263.98382233	3257.179737727007	3081.69407532759	3017.00650542423	30.51795654946102	64.83307153918878
351	376	277861	-133341.1413	1039897.310250766	39.2998316195089	-101.2732065	305188.1909	4400259.36419385	3255.812241185213	3082.325094001424	3026.385938999273	30.510183418196005	63.3331504
352	376	277862	-132681.1413	1039897.310250766	39.29993690222459	-101.2708615	305389.1953273707	4400255.263192285	3257.4481851977253	3078.9425203769174	3025.3660711262773	30.517388478196007	53.57644025064005
353	376	277863	-132021.1413	1039897.310250766	39.2999977273893	-101.2685166	305590.205066049	4400251.180210905	3257.4481851977253	3077.5524449974837	3024.303026523496	30.518925525977036	53.529418463187194
354	376	277864	-131361.1413	1039897.310250766	39.3000816949876	-101.2661176	305791.2050986474	4400247.194298121	3256.7618172153436	3076.1481872153436	3023.150390432395	30.518925525977036	53.529418463187194
355	376	277865	-130701.1413	1039897.310250766	39.30017871135741	-101.2638267	305992.2094473604	4400243.014813903	3258.935640450727	3074.72422650258	3021.34859852685	30.51383018878676	53.529418463187194
356	376	277866	-130041.1413	1039897.310250766	39.3002655046154	-101.2614817	306193.213063925	4400239.9275814	3259.203444895425	3073.720575849216	3020.7688113071	30.51383018878676	53.529418463187194
357	376	277867	-129381.1413	1039897.310250766	39.3003565422225	-101.2591388	306394.217576899	4400234.85007056	3261.064753347521	3071.770214334582	3019.0967410661933	30.5102184043098	53.529418463187194
358	376	277868	-128721.1413	1039897.310250766	39.30044522759464	-101.2567918	306595.2213563513	4400230.768900640	3262.64479758281	3070.19278009151	3017.4492000141986	30.51439258263616	53.529418463187194
359	376	277869	-128061.1413	1039897.310250766	39.3005333595326	-101.2544469	306796.2249	4400226.367230455	3263.2501401702847	3068.498470471909	3015.747231138517	30.51439258263616	53.529418463187194
360	376	277870	-127401.1413	1039897.310250766	39.3006210384351	-101.2521019	306997.2284	4400222.05689632	3264.71265857688	3066.596938	3014.0328957024335	30.5109739511093	52.640425164686376
361	376	277871	-126741.1413	1039897.310250766	39.3007082643029	-101.249757	307198.2315649123	4400218.52400074	3267.684938476909	3064.475067805582	3012.1131864101567	30.5109739511093	52.640425164686376
362	376	277872	-126081.1413	1039897.310250766	39.30079503745545	-101.247412	307399.23450950485	4400214.43339968	3268.40152500475	3062.146974141982	3010.0562142195633	30.5109739511093	52.640425164686376
363	376	277873	-125421.1413	1039897.310250766	39.3008823368368	-101.2451487	307599.23450950485	4400210.43339968	3269.5057248811053	3060.557248811053	3008.154412617254	30.5109739511093	52.640425164686376
364	376	277874	-124761.1413	1039897.310250766	39.30096723733666	-101.2427221	307801.24017853104	4400206.28292735	3269.5057248811053	3060.557248811053	3008.154412617254	30.5109739511093	52.640425164686376
365	376	277875	-124101.1413	1039897.310250766	39.3010526374623	-101.240372	308002.24264075945	4400202.202777059	3269.5057248811053	3060.557248811053	3008.154412617254	30.5109739511093	52.640425164686376
366	376	277876	-123441.1413	1039897.310250766	39.301135981519	-101.2380322	308203.2449143935	4400198.12263831	3269.5057248811053	3060.557248811053	3008.154412617254	30.5109739511093	52.640425164686376
367	376	277877	-122781.1413	1039897.310250766	39.301221058605	-101.2356873	308404.2470029435	4400194.03186315	3269.5057248811053	3060.557248811053	3008.154412617254	30.5109739511093	52.640425164686376
368	376	277878	-122121.1413	1039897.310250766	39.3013061642295	-101.2333423	308605.24890331004	4					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatHtElev.f	SatHtBoth.f
457	37	27957	-69981.14133	39.03987	310250766	39.73065146883255	-101.040894	324483.825550904	399868.434912302	311.6152847573446	2940.9325189553106	2900.0982118845905	42.7868795527031	40.83430707027015
458	37	27958	-69932.14133	39.03987	310250766	39.73065627	-101.045745	324884.8115723073	399864.374373745	311.4857270051713	2940.7381503323172	2898.000561606893	2899.3864267065476	41.3573262668079
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ix	iy	x.ft	y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThLog.s	SatThBoth.ft		
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613	576	278113	32978.85867303351	-0309897.310250766	-037084961	-006.822263	355835.9597644594	4399237.83109641	2797.634573326767	2654.382475691903	2647.214027784195	2647.61957342247	11.68447805370285	6.520518349534181	
614	576	278114	33638.85867303351	-0309897.310250766	-037084731919706	-006.799243	356036.9230405376	4399231.84039617	2788.5442589177774	2652.981562630483	2647.44825630483	2647.9182127716	15.07330790513518	5.073433840183778	
615	576	278115	34298.85867303351	-0309897.310250766	-0370844867435404	-006.775793	356237.886694837	4399229.79040043	2782.27447489369	2651.58426879417	2647.6216044455286	2647.986158039203	3.962675418884234	3.59811894827393	
616	576	278116	34958.85867303351	-0309897.310250766	-037084261036872	-006.752343	356438.050180864	4399225.76125661	2765.0785462923523	2650.16739	2648.25937342922	2648.2558981078414	1.90935757003396	3.951141098888789	
617	576	278117	35618.85867303351	-0309897.310250766	-037084016979705	-006.728893	356639.8132105648	4399221.743991882	2752.484687687065	2648.739403250333	2648.347010108057	2647.99208939018	3.9233030785795163	0.747333840183778	
618	576	278118	36278.85867303351	-0309897.310250766	-037083772032035	-006.705443	356840.7781743156	4399217.721025318	2747.3013952517784	2648.26325204945	2647.80104757371	2647.80104757371	4.826409221	4.826409221	
619	576	278119	36938.85867303351	-0309897.310250766	-037083507338615	-006.681983	357001.73900057475	4399213.680827057	2748.24411411226	2648.58425197393	2648.6350526939	2648.54537523205	0	0	
620	576	278120	37598.85867303351	-0309897.310250766	-037083234905188	-006.658543	357242.701690328	4399209.67597612	2747.545783865493	2644.399411540123	2652.3488076171984	2652.078018928347	0	0	
621	576	278121	38258.85867303351	-0309897.310250766	-03708300346017	-006.635939	357443.664262169	4399205.63802188	2706.847155896425	2642.838564092527	2658.377491963867	2658.60679914369	0	0	
622	576	278122	38918.85867303351	-0309897.310250766	-0370827396563456	-006.611643	357644.6265821414	4399201.631841079	2696.148529313845	2641.4729233271384	2660.7100155079333	2661.26232171884	0	0	
623	576	278123	39578.85867303351	-0309897.310250766	-037082407036175	-006.588193	357845.5889372379	4399197.6101144785	2688.00746956431	2640.003744586793	2640.003744586793	2640.003744586793	2640.003744586793	0	0
624	576	278124	40238.85867303351	-0309897.310250766	-03708219625503	-006.564743	358046.5107895215	4399193.58623272	2682.4125926174006	2638.53056194738	2651.0942625846	2651.2677482494	0	0	
625	576	278125	40898.85867303351	-0309897.310250766	-03708197374335	-006.54229	358248.67364757	4399187.264757	2684.05317188484	2647.81647746568	2647.81647746568	2647.81647746568	0	0	
626	576	278126	41558.85867303351	-0309897.310250766	-037081635	-006.518743	358448.4746595124	4399185.85431625	2685.85425197393	2637.00913174334	2636.9677821924	2636.9677821924	0	0	
627	576	278127	42218.85867303351	-0309897.310250766	-03708134250509	-006.494939	358649.4366917195	4399181.55525696	2671.63742182483	2634.092963106406	2630.97023245557	2630.97023245557	3.12227568084841	3.171404040365759	
628	576	278128	42878.85867303351	-0309897.310250766	-037081051										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BREIEvLogKg.f	BREIEvBothKg.f	OrthoLogKg.f	SurfBtBoth.f
95	377	278335	-308901.1413	10405557.3170250766	39.72775714531484	-101.8696592	251177.63280709233	4041555.249185636	3389.93989330969	3327.340214	3371.447163819077	3365.772349414382	3389.049802528746	6.567818784948031
96	377	278336	-308241.1413	1040557.3170250766	39.727778325917656	-101.8646144	251918.69538715386	4041555.102470095	3382.88579119185034	3371.178131	3370.286717	3358.170180033031	3389.049802528746	13.00796123579312
97	377	278337	-308081.1413	1040557.3170250766	39.727794531373251	-101.8629787	252119.2572214927	4041555.939591448	3383.631689327978	3320.244710000265	3368.1939702381062	3357.93009090221	3389.049802528746	18.414311994241506
98	377	278338	-306921.1413	1040557.3170250766	39.727805139505	-101.8609249	252180.81962172043	4041542.81	3368.775891362926	3368.775891362926	3368.775891362926	3350.41225977606	3389.049802528746	18.36531122596464
99	377	278339	-306621.1413	1040557.3170250766	39.727841596161554	-101.8675802	252521.8816574187	4041538.663760535	3366.045313072063	3366.045313072063	3366.045313072063	3353.4021439619833	0	12.64387345223044
100	377	278340	-30601.1413	1040557.3170250766	39.7278659563123	-101.8852354	252722.9432587627	4041543.518001666	3367.63417040139	3367.63417040139	3366.8092041084265	3355.0071904675724	1.8272129317124381	11.966226572562484
101	377	278341	-304941.1413	1040557.3170250766	39.7278834980398	-101.8828907	252924.00641554047	4041537.327077319	3369.22270077031	3367.96492836227	3364.7158639645414	3357.168201905091	3.2491291407754943	10.796790931136002
102	377	278342	-304281.1413	1040557.3170250766	39.72790446	-101.8805459	253125.06572828192	4041536.227441934	3370.8175885006034	3367.545699291247	3363.7188281965045	3358.304284077056	3.858331732620177	9.268231881
103	377	278343	-303681.1413	1040557.3170250766	39.7279255225564	-101.8787814	253326.12689719225	4041532.8627	3373.13936349046	3367.208391423386	3367.634954475933	3357.6358741852876	4.543434975152864	44.7561273899266
104	377	278344	-302961.1413	1040557.3170250766	39.72794714054049	-101.8755654	253527.1722747827	4041517.9335571	3376.19230632193	3366.85421232378	3362.0590814154294	3358.41704284137	4.25913098	84.8553053314242
105	377	278345	-302031.1413	1040557.3170250766	39.7279661352528	-101.8735117	253728.247604347	4041513.973	3378.2452565331	3366.49837194549	3362.21757328227	3359.080001	4.790739863	74.1834576484754
106	377	278346	-301641.1413	1040557.3170250766	39.7279764121293	-101.8711669	253929.3073400522	4041509.64466054	3382.286206205003	3366.13454989719	3362.409321977354	3358.313696859933	3.7423240113648426	5.989276302725751
107	377	278347	-300981.1413	1040557.3170250766	39.72800832363049	-101.8688821	254130.3676386592	4041505.504379555	3386.090482653714	3365.758904642028	3362.902021834614	3362.04286930014338	3.273600839754657	3.716008359754657
108	377	278348	-300321.1413	1040557.3170250766	39.7280289606967	-101.8664774	254331.4272915512	4041501.363032153	3390.62208591001	3365.3749725722224	3364.011412350506	3365.667539634174	1.3635602172171275	1.0747330088053102
109	377	278349	-299661.1413	1040557.3170250766	39.7280495249302	-101.8641326	254532.4867017809	4041497.218935336	3395.15865826282	3364.98465209325	3365.72375748081	3363.98932197193	0	0
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111	377	278351	-298341.1413	1040557.3170250766	39.7280906	-101.8594431	254934.60197536292	4041484.930422335	3401.4910123307673	3364.198851164684	3360.6569738353305	3361.1259513130495	1.1047677331154915	3.702699856
112	377	278352	-297681.1413	1040557.3170250766	39.72811105607774	-101.8570983	255135.66347093372	4041484.78730307	3406.570851	3363.810428665396	3352.719671473883	3352.865019705985	3.095671915136305	10.9453765789067
113	377	278353	-297021.1413	1040557.3170250766	39.72813146674067	-101.8547536	255336.721921059	4041480.64487779	3399.6508997017136	3363.4299425247315	3345.196652032681	3345.1584831026182	18.23429022050276	18.217458930129484
114	377	278354	-296361.1413	1040557.3170250766	39.728151832014134	-101.8524088	255537.78012146562	4041476.50246311	3398.73052871137	3363.059252314517	3338.1196949636	3340.9318061074444	24.39357138149127	25.15746620725543
115	377	278355	-295701.1413	1040557.3170250766	39.728172150262154	-101.850004	255738.8380081972	4041471.602380807	3401.72416952022	3362.6984733541426	3331.340814975331426	3330.962858238038	31.35768587222368	31.73951511610427
116	377	278356	-295041.1413	1040557.3170250766	39.72819243	-101.8477193	255939.8957864935	4041468.218	3408.631217447448	3362.54298897138	3324.8320442723274	3325.8658834425	37.5105466	38.15773007375374
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118	377	278358	-293721.1413	1040557.3170250766	39.72823240287134	-101.8430927	256342.00611158217	4041455.93192664	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
119	377	278359	-293061.1413	1040557.3170250766	39.728252991910892	-101.8406489	256543.06760729325	4041455.794	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
120	377	278360	-292401.1413	1040557.3170250766	39.72827307263303	-101.8383402	256744.1243668047	4041451.653	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
121	377	278361	-291741.1413	1040557.3170250766	39.72829312085948	-101.8359954	256945.10887796346	4041447.512248643	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
122	377	278362	-291081.1413	1040557.3170250766	39.728313123788205	-101.8336056	257146.231333638	4041443.371744897	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
123	377	278363	-290421.1413	1040557.3170250766	39.72833381419166	-101.8313068	257347.291698067	4041439.251479837	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
124	377	278364	-289761.1413	1040557.3170250766	39.728353993732296	-101.8289611	257548.34898518707	4041435.4153752	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
125	377	278365	-289101.1413	1040557.3170250766	39.72837286078761	-101.8268163	257749.405427095	4041435.91666338	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
126	377	278366	-288441.1413	1040557.3170250766	39.728392862525005	-101.8242715	257950.4589589142	4041426.81171785	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
127	377	278367	-287781.1413	1040557.3170250766	39.7284124896452	-101.8219267	258151.5148388216	4041422.67807788	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
128	377	278368	-287121.1413	1040557.3170250766	39.7284321901605	-101.8195819	258352.5697790985	4041418.53736638	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
129	377	278369	-286461.1413	1040557.3170250766	39.72845187594585	-101.8172371	258553.6243809745	4041414.39404229	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
130	377	278370	-285801.1413	1040557.3170250766	39.72847151645505	-101.8149812	258754.787444203	4041410.2552105504	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
131	377	278371	-285141.1413	1040557.3170250766	39.7284911714252	-101.8125476	258955.7326989924	4041406.117659051	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
132	377	278372	-284481.1413	1040557.3170250766	39.7285106169187	-101.8102028	259156.786753624	4041401.97936393	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
133	377	278373	-283821.1413	1040557.3170250766	39.7285301634297	-101.807858	259357.840766573	4041397.84161839	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
134	377	278374	-283161.1413	1040557.3170250766	39.72854962599596	-101.8055132	259558.893026073	4041393.767	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
135	377	278375	-282501.1413	1040557.3170250766	39.72856930750674	-101.8031684	259759.9489564727	4041389.504	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
136	377	278376	-281841.1413	1040557.3170250766	39.7285894805871	-101.8008236	259960.99903401268	4041385.42974154	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
137	377	278377	-281181.1413	1040557.3170250766	39.72860935653534	-101.7984745	260172.0000000000	4041381.42974154	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5695031305213	47.00974168612129	47.00974168612129
138	377	278378	-280521.1413	1040557.3170250766	39.72862701	-101.796134	260363.10510052167	4041377.15516413	3425.81649001871	3361.5794284166426	3315.7539564490414	3314.5		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevBothKrg.ft	SatTLogKrg.ft	SatBothKrg.ft
221	377	278461	-225741.1413	10405557.3170250766	39.300691838269	-101.6015117	277049.6554888705	404103.6426429474	3515.670330795101	3222.982727823945	3185.761967756467	97.2207600746738	99.8795842377401
222	377	278462	-225081.1413	1040557.3170250766	39.30030646	-101.5991668	277250.6888163042	404100.525981334	3513.715006696969	351.812326596234	3184.8106870543024	3181.71312724249	97.02509864
223	377	278463	-224421.1413	1040557.3170250766	39.300126874338	-101.5968219	277451.7219246627	404100.409651271	3509.652252465938	3274.01690930635	3179.911613482965	3180.522777040732	96.4348897841107
224	377	278464	-223761.1413	1040557.3170250766	39.30115466920256	-101.594477	277552.7844121594	404101.30273370729	3511.308277048113	3275.91483	3182.2751022396	3178.996887399303	96.23094242977415
225	377	278465	-223011.1413	1040557.3170250766	39.3013080397339	-101.5921321	277653.7848140087	404101.174222354	3510.353555	3278.385042059293	3181.640433	3179.6527723601675	96.744406932862303
226	377	278466	-222441.1413	1040557.3170250766	39.3013080397339	-101.5897872	277805.81993756257	404101.174222354	3509.402388934326	3277.2740561939577	3180.6617759941005	3178.0088719832147	96.6122802
227	377	278467	-221781.1413	1040557.3170250766	39.3016134221109	-101.5874423	277855.85257171901	404100.946239609	3508.246230037763	3276.177168852936	3179.6524722201174	3178.0071320912054	96.6228642281851
228	377	278468	-221211.1413	1040557.3170250766	39.3017654337792	-101.5850974	2778456.8842	404100.946239609	3508.585728251526	3275.090930818387	3178.38724749272	3172.042671	96.70370126911484
229	377	278469	-220641.1413	1040557.3170250766	39.3019169924338	-101.5827525	277857.9158683043	404100.946239609	3508.585728251526	3274.01690930635	3179.911613482965	3180.522777040732	96.6300376835869
230	377	278470	-219891.1413	1040557.3170250766	39.3020087080745	-101.5804076	277859.94756715655	404100.946239609	3508.585728251526	3272.973653430597	3178.548203196793	3182.132695849168	96.3897821426565
231	377	278471	-219141.1413	1040557.3170250766	39.30202187507005	-101.5780627	277905.978803541	4040993.46729944	3502.236778803944	3271.8679438069744	3175.326788300738	3165.626093331955	96.54116088
232	377	278472	-218481.1413	1040557.3170250766	39.3023689053117	-101.5757178	279261.010076241	4040989.32444784	3499.747374077011	3270.799908052526	3175.343537	3162.680275	96.44562491778631
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269	377	2											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kft	BR/ElevBoth.kft	SatThLogs.ft	SatThBoth.kft
337	278587	-142581.1413	1405557.3170250766	39.37166202284264	-101.3060483	302378.19171026537	4400517.8151083365	3204.2152235818844	3095.0654085762035	3035.5687767632076	3080.4525108296393	34.49663181299593	18.61289774656416	
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384	278624	-118161.1413	1405557.3170250766	39.37199315	-101.2192831	309815.3423137963	4400366.763905038	3227.1548481731783	3029.238518738555	2991.942955914895	2990.2462692587	48.847388327617	50.93430113286136	
385	278625	-117501.1413	1405557.3170250766	39.37200217679196	-101.2169381	310016.34269592034	4400362.865837363	3223.091427219479	3026.573487396034	2991.143896932207	2990.295004231248	48.847388327617	50.93430113286136	
386	278626	-116841.1413	1405557.3170250766	39.372009280018545	-101.214593	310217.3428	4400358.608161421	3222.089601619127	3023.9143241776533	2990.181476105073	2989.40864964045	48.847388327617	50.93430113286136	
387	278627	-116181.1413	1405557.3170250766	39.37201728	-101.212248	310412.3427961059	4400353.536031201	3221.82827185923	3021.25878	2988.51676670077	2982.462403383947	48.847388327617	50.93430113286136	
388	278628	-115521.1413	1405557.3170250766	39.37202520559495	-101.209903	310619.3425865136	4400350.45346496	3220.65175570749	3018.607887235223	2987.72374710531	2981.962574115861	48.847388327617	50.93430113286136	
389	278629	-114861.1413	1405557.3170250766	39.3720337399995	-101.207573	310826.3425865136	4400346.981735815	3220.65175570749	3018.607887235223	2987.72374710531	2981.962574115861	48.847388327617	50.93430113286136	
390	278630	-114201.1413	1405557.3170250766	39.372041	-101.205213	311021.3416132564	4400342.295490833	3221.819724530491	3017.32679841556	2987.16326701381	2981.962574115861	48.847388327617	50.93430113286136	
391	278631	-113541.1413	1405557.3170250766	39.37204881664602	-101.2028679	311222.3408500084	4400338.230223965	3221.819724530491	3017.32679841556	2987.16326701381	2981.962574115861	48.847388327617	50.93430113286136	

ix	iy	x	Y.f	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogKrg.f	BR/ElevBothKrg.f	SatHtLog.f	SatHtBoth.f	
473	777	28713	-54921.14133	1040557.3170250766	39.3253561313435	-10.105749	327703.6706246331	4400004.7057806495	281.2818906494012	2934.548313100084	2887.156393087525	2886.605601026983	47.94244920739092
474	777	28714	-56761.14133	1040557.3170250766	39.3253696490365	-10.038298	327904.6552757324	4400000.63949627	2930.72320416129	2933.404069758975	2886.087607656284	2885.6263275921087	47.77488217
475	777	28715	-58101.14133	1040557.3170250766	39.3254369506766	-10.005299	328036.4766284516	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
476	777	28716	-57441.14133	1040557.3170250766	39.32547646284516	-10.010397	328036.4766284516	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
477	777	28717	-56761.14133	1040557.3170250766	39.3255156672261	-10.011847	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
478	777	28718	-56121.14133	1040557.3170250766	39.32555441854736	-10.009846	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
479	777	28719	-55461.14133	1040557.3170250766	39.325592176805	-10.009650	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
480	777	28720	-54801.14133	1040557.3170250766	39.3256306620097	-10.0094159	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
481	777	28721	-54141.14133	1040557.3170250766	39.32566679541507	-10.009184	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
482	777	28722	-53481.14133	1040557.3170250766	39.325704892314	-10.008949	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
483	777	28723	-52821.14133	1040557.3170250766	39.3257413795219	-10.0087123	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
484	777	28724	-52161.14133	1040557.3170250766	39.325774121222	-10.0084779	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
485	777	28725	-51501.14133	1040557.3170250766	39.325813	-10.0082432	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
486	777	28726	-50841.14133	1040557.3170250766	39.32584811895116	-10.0080092	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
487	777	28727	-50181.14133	1040557.3170250766	39.32587927298	-10.0077441	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
488	777	28728	-49521.14133	1040557.3170250766	39.325917134483	-10.0075391	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
489	777	28729	-48861.14133	1040557.3170250766	39.3259560110556	-10.0073054	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
490	777	28730	-48021.14133	1040557.3170250766	39.3259840570244	-10.0070709	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
491	777	28731	-47541.14133	1040557.3170250766	39.326016957238	-10.0068369	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
492	777	28732	-46881.14133	1040557.3170250766	39.326043657132	-10.0066018	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
493	777	28733	-46211.14133	1040557.3170250766	39.32608132112716	-10.0063678	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
494	777	28734	-45561.14133	1040557.3170250766	39.326112823489	-10.0061327	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
495	777	28735	-44911.14133	1040557.3170250766	39.3261439277761	-10.0058984	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
496	777	28736	-44241.14133	1040557.3170250766	39.3261744500321	-10.0056586	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
497	777	28737	-43581.14133	1040557.3170250766	39.3262046121731	-10.0054298	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
498	777	28738	-42921.14133	1040557.3170250766	39.32623430228145	-10.00519485	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
499	777	28739	-42261.14133	1040557.3170250766	39.326263383287	-10.0049603	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
500	777	28740	-41601.14133	1040557.3170250766	39.326292323145	-10.0047284	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
501	777	28741	-40941.14133	1040557.3170250766	39.3263263452814	-10.00449813	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
502	777	28742	-40281.14133	1040557.3170250766	39.32635843521195	-10.0042683	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
503	777	28743	-39621.14133	1040557.3170250766	39.32637359569169	-10.00402232	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
504	777	28744	-38961.14133	1040557.3170250766	39.326402826568	-10.00378782	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
505	777	28745	-38301.14133	1040557.3170250766	39.32642944733485	-10.0035531	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
506	777	28746	-37641.14133	1040557.3170250766	39.326455	-10.0033118	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
507	777	28747	-36981.14133	1040557.3170250766	39.32648112550585	-10.0030843	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
508	777	28748	-36321.14133	1040557.3170250766	39.32650943965	-10.0028491	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
509	777	28749	-35661.14133	1040557.3170250766	39.3265309142249	-10.00261529	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
510	777	28750	-35001.14133	1040557.3170250766	39.32655542479874	-10.00238708	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
511	777	28751	-34341.14133	1040557.3170250766	39.326579	-10.00214627	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
512	777	28752	-33681.14133	1040557.3170250766	39.3266023923513	-10.00191177	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
513	777	28753	-33021.14133	1040557.3170250766	39.32662628534	-10.00167728	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
514	777	28754	-32361.14133	1040557.3170250766	39.326647727658	-10.00144276	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
515	777	28755	-31701.14133	1040557.3170250766	39.3266681490223	-10.00120812	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
516	777	28756	-31041.14133	1040557.3170250766	39.32668913	-10.00097374	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
517	777	28757	-30381.14133	1040557.3170250766	39.326712326467	-10.00073924	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
518	777	28758	-29721.14133	1040557.3170250766	39.326732615194	-10.00050473	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
519	777	28759	-29061.14133	1040557.3170250766	39.326753173297	-10.00027023	328057.0802274365	4400000.63949627	2931.853403211782	2933.404069758975	2886.087607656284	2885.6263275921087	46.88845108363936
520	777	28760	-28401.14133	1040557.3170250766	39.326772606077	-10.00003272	328057						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BRElevLogs.fg	BRElevBoth.fg	SatThkLogs	SatThkBoth.f
599	377	278839	23738.8586770335	10405567.310250766	36.2368992784762	-100.7150973	353026.48838997295	3499495.4033992197	2717.7442241632716	27.3471109970246	2658.99746818355	2659.0329	12.349461351891023	12.314210343845843
600	377	278840	24398.8586770335	10405567.310250766	36.2368927561907	-100.7127562	353227.45361363003	3499491.405820875	2735.5712750169994	2670.17118740405	2658.495929142078	2658.5913731784961	11.621259596567121	11.534259695683759
601	377	278841	25058.8586770335	10405567.310250766	36.2368938698428	-100.7100071	353459.418961877	3499487.378798448	2753.2810724619472	2658.8765130830064	2657.756811596155	2658.8765130830064	11.11142112908695	11.0008230386027553
602	377	278842	25715.8586770335	10405567.310250766	36.236883524319	-100.7086221	353693.38263378532	3499483.25040057	2771.08497786755	2667.6268716296963	2658.783182538739	2658.96112719359996	10.5681912719359996	10.45969590057469
603	377	278843	26378.8586770335	10405567.310250766	36.2368830709585	-100.705717	353830.34833847374	3499479.325400474	2780.734877050295	2665.0662317377550	2655.492665074994	2655.6341732131364	10.97225102756355	10.771075865386271
604	377	278844	27038.8586770335	10405567.310250766	36.23687121	-100.703372	354031.31309933076	3499475.199120455	2782.3363052553455	2660.8897762375484	2654.1671563602295	2653.367266097414	10.922519600622966	11.122510140134182
605	377	278845	27698.8586770335	10405567.310250766	36.236793488251	-100.7010269	354232.2776195543	3499471.273030728	2783.973073693957	2663.990186704028	2651.95179034603593	2652.126221	11.84173120133994	11.672797377222196
606	377	278846	28358.8586770335	10405567.310250766	36.23677410816464	-100.6986818	354433.24199710085	3499467.247175851	2785.539174265446	2662.795503531223	2649.8490541621354	2650.023479329565	12.644496329565	12.46957560557111
607	377	278847	29018.8586770335	10405567.310250766	36.2367541444194	-100.6963586	354643.2691204005	3499463.21555819	2787.107274619472	2661.17463022983	2647.9581449034784	2648.061320860517	13.57648523645558	13.114488146430375
608	377	278848	29678.8586770335	10405567.310250766	36.2367342675569	-100.6939371	354853.1703406247	3499459.196170822	2788.602303489594	2659.84255890228	2645.801905795365	2646.2487739173315	14.03643994435498	13.563844984954359
609	377	278849	30338.8586770335	10405567.310250766	36.2367136678094	-100.6916466	355036.13403183055	3499455.710202048	2810.240562378515	2658.49710947188	2644.57906723614	2645.0047849705895	13.8184282575238	13.493157176597527
610	377	278850	30998.8586770335	10405567.310250766	36.236696148999	-100.6893016	355237.0981237744	3499451.16104925	2815.80572125804	2657.1421903616197	2643.85948529337	2644.1660887369996	13.282740732282582	12.97610198462007
611	377	278851	31658.8586770335	10405567.310250766	36.2366711	-100.6869565	355438.0610686034	3499447.14234305	2821.15279016625	2655.774395912475	2643.64087142258	2643.928932718912	11.734367898614112	11.845373583652672
612	377	278852	32318.8586770335	10405567.310250766	36.2366491498942	-100.6846115	355639.0235075496	3499443.096977908	2814.28526305814	2652.382785340105	2643.6837011719924	2644.337576608897	10.709085222018075	10.05520873111453
613	377	278853	32978.8586770335	10405567.310250766	36.2366273779814	-100.682264	355839.9897562032	3499439.72766839	2817.71703595104	2652.967884540244	2644.4717717610494	2644.96838983684	10.5621083395305	8.078918367
614	377	278854	33638.8586770335	10405567.310250766	36.2366036725401	-100.6799213	356040.9622233552	3499435.048770483	2800.55020704393	2651.5901127110977	2645.352475	2645.47059870002	6.27646954047853	6.119561350848067
615	377	278855	34298.8586770335	10405567.310250766	36.236585441995	-100.6775763	356241.9152	3499431.025048585	2799.2756439129513	2650.1700122448597	2646.138139529823	2646.306708635244	4.831872715	3.86330309635261
616	377	278856	34958.8586770335	10405567.310250766	36.2365657831381	-100.6753212	356442.871428541	3499427.002	2791.653491259613	2648.73146382051	2647.2532656433236	2647.2333123728558	1.40887923747494	1.5043151595368
617	377	278857	35618.8586770335	10405567.310250766	36.236535587941	-100.6728862	356643.841	3499422.97269934	2767.816541	2647.295195963003	2648.582329499314	2648.4874814541164	0	0
618	377	278858	36278.8586770335	10405567.310250766	36.236516813883	-100.6705411	356844.8037112708	3499418.955232953	2756.096583513466	2645.84191910273	2650.7289129155997	2650.367363342763	0	0
619	377	278859	36938.8586770335	10405567.310250766	36.2364827509205	-100.6681961	357045.7663	3499414.932	2744.58296898982	2644.3792389175563	2654.452526238203	2654.219618803960	0	0
620	377	278860	37598.8586770335	10405567.310250766	36.23645176139114	-100.665851	357245.72873701297	3499410.50962114	2733.275695413373	2642.30852274667	2660.79418111055	2661.085274515595	0	0
621	377	278861	38258.8586770335	10405567.310250766	36.2364201893776	-100.663502	357449.1687129893	3499407.4312438823	2747.691282378193	2641.4312438823	2661.79242378193	2662.507127360577	0	0
622	377	278862	38918.8586770335	10405567.310250766	36.2364004411473	-100.6611609	357648.653010799	3499402.86540315	2710.651152400463	2639.453396901594	2647.253279023033	2673.63396764103	0	0
623	377	278863	39578.8586770335	10405567.310250766	36.236379684325	-100.6588158	357849.6152316303	3499398.34836675	2706.891715653238	2646.4613867537983	2664.171511269423	2664.97812838103	0	0
624	377	278864	40238.8586770335	10405567.310250766	36.2363503025567	-100.6564708	358050.571257682	3499394.21837714	2692.441021115235	2636.96723480484	2655.58784123828	2655.889530657939	0	0
625	377	278865	40898.8586770335	10405567.310250766	36.2363225	-100.6541257	358251.5388837793	3499390.80053433	2684.0684952577238	2635.4681648769097	2647.8351450806545	2647.847235104594	0	0
626	377	278866	41558.8586770335	10405567.310250766	36.23629415191994	-100.651760	358450.5005054445	3499386.77938496	2675.69280233924	2633.965871812979	2641.046761183736	2640.992888031996	0	0
627	377	278867	42218.8586770335	10405567.310250766	36.23626935995984	-100.6494836	358653.46119921682	3499382.5458168	2672.12226236352	2632.902829	2635.65587857873	2635.719246997472	0	0
628	377	278868	42878.8586770335	10405567.310250766	36.23624371893776	-100.6470905	358849.3242635552	3499378.3524057056	2658.493202657596	2631.59025332014	2633.2091282816906	2630.264874177	0	0
629	377	278869	43538.8586770335	10405567.310250766	36.23620652785464	-100.6447455	359055.348584162	3499374.71321518	2650.096980581638	2629.496089785448	2629.3400949399267	2629.435869892208	0.10996734552140377	0.02549077202069354
630	377	278870	44198.8586770335	10405567.310250766	36.236176136964	-100.6424004	359256.34573865093	3499370.697094383	2675.824947	2627.964304	2626.404171195317	2626.5847129145795	1.5628919544630535	1.379590637205557
631	377	278871	44858.8586770335	10405567.310250766	36.236145644894	-100.6400554	359457.3068640773	3499366.67102971	2675.308344710267	2626.404783684104	2624.9417313554193	2625.061313	1.562323399111474	1.416724134851396
632	377	278872	45518.8586770335	10405567.310250766	36.2361148622254	-100.6377103	359658.2674947804	3499362.6573113	2673.040892713074	2625.04109027968	2624.461207	2624.566913048785	0.10996734552140377	0.02549077202069354
633	377	278873	46178.8586770335	10405567.310250766	36.2360835259596	-100.6353652	359859.2281709849	3499358.6733308	2670.77440059416	2623.54639336562	2624.236526616455	2624.2936319890764	0	0
634	377	278874	46838.8586770335	10405567.310250766	36.236053126494	-100.633021	360060.1887129893	3499350.418511286	2669.502949507928	2622.1105856532014	2623.54639336562	2623.54639336562	0	0
635	377	278875	47498.8586770335	10405567.310250766	36.2360219	-100.6306751	360261.1491270044	3499342.99930256	2667.5861022722156	2620.79102430772	2621.93142163158	2621.93142163158	0	0
636	377	278876	48158.8586770335	10405567.310250766	36.2359862154535	-100.628301	360462.1039436204	3499346.58098613	2668.013781	2619.3266540247423	2620.128355	2619.7125291	0	0
637	377	278877	48818.8586770335	10405567.310250766	36.2359592897395	-100.625985	360663.0695348715	3499342.56211042	2668.4415791645243	2617.99199455985	2620.9323995584076	2620.62514	0	0
638	377	278878	49478.8586770335	10405567.310250766	36.2359291903414	-100.62364	360864.029	3499338.35476636	2668.8691376102597	2616.7068009433645	2625.446573345444	2625.5911807194902	0	0
639	377	278879	50138.8586770335	10405567.310250766	36.2358984984625	-100.6212949	361064.9894	3499334.552656984	2668.35326556939	2615.48711056739	2626.345049887805	2626.345049887805	0	0
640	377	278880	50798.8586770335	10405567.310250766	36.235865035946	-100.618949	361265.9491555905	3499330.50778169	2662.438430312813	2614.328425599347	2627.582745428077	2627.582745428077	0	0
641	377	278881	51458.8586770335	10405567.310250766	36.235835260805	-100.6166119	361469.249014571	3499325.49814573	2661.34808148768	2613.4808148768	2628.74011542487	2628.74011542487	0	0
642	377	278882	52118.8586770335	10405567.310250766	36.235779052075	-100.6142597	361667.868238108	3499322.47273916	2700.2489761793916	2612.7777110323	2621.93142163158	2621.93142163158	0	0
643	377	278883	52778.8586770335	10405567.310250766	36.23574301707075	-100.6119147	361868.8286959795	3499318.45563313	2710.827452235033	2611.389981997295	2624.9557336165562	2625.141493	0	0
644	377	278884	53438.8586770335	10405567.310250766	36.2357072442755	-100.6095966	362069.786790057	3499314.43682222	2723.0787349131155	2610.59145986721	2624.061			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIElevKgr.f	BREIElevBthKgr.f	SatHtKgr.f	SatHtBth.f
726	377	278965	108688.95867307335	10405567.3170250766	36.3212496222878	-100.4196213	78347.0627866489	4389899.8447026815	2671.3484915517845	2592.5561195634614	2539.1177551720034	2539.7913438310884	43.3843643914578	52.7647732372398
726	377	278966	10758.85867307335	1040557.3170250766	36.32170146653	-100.4172673	78484.01156426204	4389895.486674474	2664.088157349516	2590.621181634573	2537.961729530012	2538.417032926568	52.068945783017	52.068945783017
727	377	278967	10828.85867307335	1040557.3170250766	36.321619399116	-100.4183214	78748.8690972631	4389891.849406156	2658.284512	2588.96613348158	2538.9358915386637	2538.9358915386637	51.7412864141915	51.0815656533353
727	377	278968	10858.85867307335	1040557.3170250766	36.3210274	-100.4125862	78949.909644966	4389875.852190121	2635.934644287159	2586.701775815515	2535.946132966636	2535.75230160205	50.7554495895879	49.9496174134375
729	377	278969	10858.85867307335	1040557.3170250766	36.3200952743484	-100.4102412	79150.85836794163	43898973.855	2649.584771485129	2584.7215296459405	2535.9289457885725	2535.66334444436	48.7925846	48.0548136709687
729	377	278970	110108.85867307335	1040557.3170250766	36.32007736617	-100.4078962	79395.10307736617	4389896.858350446	2645.234910147775	2582.7306531011736	2535.251622982317	2535.36014544625	47.47903011885628	46.24723765434876
731	377	278971	110858.85867307335	1040557.3170250766	36.3200801180732	-100.4055512	79595.7554705315	4389895.68171193	2640.750932389548	2580.731399	2534.939484179965	2535.91493996609	45.791914393723346	45.018866265106
732	377	278972	11158.85867307335	1040557.3170250766	36.3207428454836	-100.403262	79373.703850557	4389891.86545461	2641.797756776654	2578.728590324604	2536.739644479236	2535.424973911153	43.3008943130757	43.3008943130757
732	377	278973	112178.85867307335	1040557.3170250766	36.3206480787641	-100.400681	79654.652	4389897.869343802	2641.28961014385	2579.715602581614	2536.431671662458	2535.89216338663	41.2978659282931	40.8562611888035
734	377	278974	11238.85867307335	1040557.3170250766	36.32070439437	-100.3985161	79515.600269140	4389893.6734754575	2640.581463852006	2574.701845936257	2533.77133	2536.238973877755	38.4625302851146	38.4625302851146
737	377	278975	113498.85867307335	1040557.3170250766	36.3204931587362	-100.396711	78035.54380306323	4389894.8778411755	2637.8711021732006	2572.8560831577034	2536.30616811611236	2537.490413464035	36.3679413464035	35.3679413464035
736	377	278976	114158.85867307335	1040557.3170250766	36.3204150206322	-100.3936261	78057.4946236824	4389895.82402374	2633.15852527776	2570.67634863832	2536.8900665210886	2537.10244557908	33.775682474231	32.9474903058177
737	377	278977	114818.85867307335	1040557.3170250766	36.3203364294514	-100.3914811	780758.4440426434	4389894.887272324	2628.4458281293094	2568.6482851293094	2536.625346435495	2537.6098172101956	31.9953863344355	31.038467911312828
737	377	278978	115478.85867307335	1040557.3170250766	36.32020573822104	-100.389136	78095.93917453733	4389897.89237393	2623.3732174469346	2564.681126294384	2536.4187855962383	2537.44678263703	30.20932740324514	28.7802434657011
739	377	278979	11618.85867307335	1040557.3170250766	36.3201778879406	-100.386791	781160.33529584	4389893.937693913	2621.70704644977	2564.6073940897636	2536.589635693495	2538.0441732102026	28.6217583966022	26.563261376661027
740	377	278980	11678.85867307335	1040557.3170250766	36.32009778376107	-100.384446	781361.2688075197	4389892.991371707	2621.166973270897	2562.38543360311	2537.202507013417	2537.995592139024	24.589471464088	24.589471464088
1	378	278981	370941.1431	1041217.3170250766	36.322768058337	-102.1173914	233280.8089801576	460217.4462272396	3767.105520200466	3484.14763981753	3498.198817608553	3501.722280325504	70.2156878962247	66.69219607262494
1	378	278982	370281.1431	1041217.3170250766	36.322744835055	-102.1150468	233021.895265868	460213.2953301	3759.8565568209	3566.52423846505	3497.656964730654	3501.734073704038	68.86725040951517	64.78978478609619
3	378	278983	369621.1431	1041217.3170250766	36.322476385690	-102.1127021	233222.8612870963	460213.961130663	3747.7113385406	3564.6313253913036	3499.949007078977	3502.79688818895	64.636835132626	61.8307651
4	378	278984	368961.1431	1041217.3170250766	36.322396893875	-102.1103575	23324.024	460213.945711240	3738.752711007358	3562.735428900496	3496.350014835893	3496.350014835893	63.7605524515366	63.7605524515366
5	378	278985	368301.1431	1041217.3170250766	36.3227829012461	-102.1080128	233625.152536982	460210.7893349	3729.834286191349	3560.83926263818	3498.878392598447	3498.878392598447	61.9588603537088	59.76961959704426
6	378	278986	367641.1431	1041217.3170250766	36.3225034796217	-102.1056881	23326.2517634808	460212.618984568	3720.915861312603	3558.36612348015	3499.363624230315	3501.36600320303	57.5693232744946	57.5693232744946
7	378	278987	366981.1431	1041217.3170250766	36.3226480195999	-102.1029428	233523.827	460212.451516598	3724.87892783692	3545.821273222683	3499.363624230315	3501.36600320303	55.8334482945033	55.8334482945033
8	378	278988	366321.1431	1041217.3170250766	36.32275302775504	-102.1009788	234226.4074332178	460218.28356204	3720.009525309	3555.13466790458	3498.048961564694	3498.048961564694	53.037318389844	55.401623690047
9	378	278989	365691.1431	1041217.3170250766	36.32257590	-102.0986341	234429.48187188497	460211.157196822	3698.063827820863	3553.233851326583	3493.385446931125	3495.2900645893935	54.68428381327	52.94380135426477
10	378	278990	365001.1431	1041217.3170250766	36.3226014263721	-102.0962894	234630.5760451497	460210.94823713	3692.106794075013	3551.3326073431977	3496.638640407914	3494.68179252055	54.68428381327	55.401623690047
11	378	278991	364301.1431	1041217.3170250766	36.32267157373964	-102.0939448	234831.659960135	460210.580783716	3685.452816289763	3549.403752884834	3492.274116575464	3495.1563363093705	55.422630687512268	55.422630687512268
12	378	278992	363681.1431	1041217.3170250766	36.32265414813303	-102.091601	235032.74361049145	460210.613867235	3679.101954	3547.5280756232248	3493.651040993058	3495.2691951379434	53.877025360139214	52.258880125281394
13	378	278993	363021.1431	1041217.3170250766	36.32267904849228	-102.089256	235233.827	460210.613867235	3679.101954	3547.5280756232248	3493.651040993058	3495.2691951379434	53.877025360139214	52.258880125281394
14	378	278994	362361.1431	1041217.3170250766	36.32270830773	-102.087017	235430.9112038002	460210.613867235	3679.101954	3547.5280756232248	3493.651040993058	3495.2691951379434	53.877025360139214	52.258880125281394
15	378	278995	361701.1431	1041217.3170250766	36.3227383026817	-102.084566	235635.9298273466	460210.914095622	3663.011108083017	3541.81289430223	3493.80048537218	3493.80048537218	51.0027789305507	47.9052905605207
16	378	278996	361041.1431	1041217.3170250766	36.32275363516472	-102.0822214	235837.0758094904	460208.948	3663.03274334553	3539.910411778524	3492.361108	3492.361108	51.0027789305507	47.9052905605207
17	378	278997	360381.1431	1041217.3170250766	36.3227783476691	-102.0798767	236038.1579292547	460208.78213324	3662.906340579802	3538.015602255683	3491.3406423957488	3491.3406423957488	51.0027789305507	47.9052905605207
18	378	278998	359721.1431	1041217.3170250766	36.32280319074706	-102.077532	236239.24008002747	460207.61648177	3662.77895625055	3536.01736989252	3490.23852681104	3490.23852681104	51.0027789305507	47.9052905605207
19	378	278999	359061.1431	1041217.3170250766	36.32282778080884	-102.0751873	236440.321625648	460207.451089891	3659.09444203147	3534.272432516574	3489.5146278805376	3489.5146278805376	51.0027789305507	47.9052905605207
20	378	279000	358481.1431	1041217.3170250766	36.3228490195999	-102.0729428	236629.285327903	460209.285327903	3659.09444203147	3534.272432516574	3489.5146278805376	3489.5146278805376	51.0027789305507	47.9052905605207
21	378	279001	357741.1431	1041217.3170250766	36.32287690231365	-102.0704789	236842.468711523	460204.12052452	3646.63226122505	3530.4569915071446	3488.890348051523	3489.010367512634	41.76632439943128	41.76632439943128
22	378	279002	357081.1431	1041217.3170250766	36.32290511336114	-102.0681532	237043.56571342103	460209.95632889	3637.4046597359406	3528.54653230645	3487.6949483950504	3488.01262532556	40.9750429	40.5502497378967
23	378	279003	356421.1431	1041217.3170250766	36.3229260119631	-102.0658085	237244.6480159653	460205.951991942	3633.1969388054	3526.693406667696	3486.8687958422647	3487.913751191487	38.9254042540466	39.0246557620886
24	378	279004	355761.1431	1041217.3170250766	36.32295044373679	-102.0634638	237445.727003186	460205.61722668	3632.013096861131	3524.813484679819	3486.101258582494	3486.365917126301	38.9254042540466	39.0246557620886
25	378	279005	355011.1431	1041217.3170250766	36.32297484098257	-102.0611191	237646.8072850997	460204.46371293	3629.8329584472803	3523.89288681189	3485.014022534314	3486.43216683613	37.1224044582735	36.50069014487584
26	378	279006	354441.1431	1041217.3170250766	36.32299915933574	-102.0587744	237840.887253023	460204.300699428	3628.645418	3521.651130668587	3485.677429417852	3485.677429417852	37.1224044582735	36.50069014487584
27	378	279007	353881.1431	1041217.3170250766	36.323024098257	-102.056485	238042.0464511207	460204.300699428	3628.645418	3521.651130668587	3485.677429417852	3485.677429417852	37.1224044582735	36.50069014487584
28	378	279008	353121.1431	1041217.3170250766	36.32304776059109	-102.0542085	238250.0464511207	460204.300699428	3628.645418	3521.651130668587	3485.677429417852	3485.677429417852	37.1224044582735	36.5006901

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg.ft	BRrElevBothKrg.ft	SatHLogsKrg.ft	SatHBoth.ft
111	378	279091	-298341.1413	141217.3107205766	39.72990351660924	-101.85494696	254938.795622055	401680.25963934	3391.418426931551	3362.619978618748	3356.101344	3356.301440247673	31.65829267088272	63.18531391075403
112	378	279092	-297681.1413	141217.3107205766	39.72942040004057	-101.85712428	2551.3918150330047	401686.1163265173	3391.720278094274	3362.1200989872463	3349.9577350827335	3350.025254944173	12.162363904913	12.09454004417375
113	378	279093	-297021.1413	141217.3107205766	39.72944419175666	-101.8547789	2553.40078231917	401688.973492746	3392.021752214437	3361.628481460294	3343.38174755486194	3353.089724064674	18.23311473478884	18.3073350383763
114	378	279094	-296361.1413	141217.3107205766	39.72966479	-101.8524331	2554.9319419102664	401697.7860967327	3392.3338062401698	3361.145205780205	3338.994367023053	3345.857221204346	24.28801937467347	24.28801937467347
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117	378	279097	-294381.1413	141217.3107205766	39.73002561073987	-101.8454006	2561.45.10668724318	401665.404	3393.701563088898	3359.701563088898	3321.733291152525	3320.7913828358	38.32420115737423	38.01274438372169
118	378	279098	-293721.1413	141217.3107205766	39.730045795361835	-101.8430558	2563.46.136703733	401661.262774886	3418.0105441898216	3359.178222992954	3320.2722946684104	3319.7382146113566	38.4582483244508	39.4400836159785
119	378	279099	-293061.1413	141217.3107205766	39.73006564724614	-101.840771	2565.47.2281411305	401657.1213198785	3401.3845712021414	3358.9567286014	3323.1714755486194	3323.089724064674	34.7898400494867	34.5898400494867
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122	378	279102	-291081.1413	141217.3107205766	39.7301260690044	-101.8336765	2571.50.3820258477	401644.69832941	3419.7405748957905	3356.44015098928	3321.238358113171	3321.297364956327	25.14597860329514	25.14597860329514
123	378	279103	-290421.1413	141217.3107205766	39.73014603910787	-101.8313316	2573.51.4448957472	401640.557980284	3416.1519559798024	3355.668386547755	3333.414356135995	3325.2540311759868	22.2540311759868	22.2540311759868
124	378	279104	-289761.1413	141217.3107205766	39.7301695195344	-101.8289868	2575.52.5006241986	401636.41760307	3415.921783670478	3354.9184119116167	3336.427813294888	3336.16241917413475	18.49029867128676	18.49029867128676
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127	378	279107	-287781.1413	141217.3107205766	39.730225418770505	-101.8219263	2581.55.6657258806	401623.998281248	3399.396760321148	3353.027934160909	3341.6422396489944	3341.74436415110703	11.38560511945147	11.28357002040596
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131	378	279111	-285141.1413	141217.3107205766	39.73030407352103	-101.8125729	2589.59.86264684784	401607.442010335	3445.846302817299	3351.650062847345	3332.049721403848	3328.046683257603	20.50276524035626	24.955327261073223
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133	378	279113	-283821.1413	141217.3107205766	39.73034312913224	-101.807878	2593.62.9687968434	401599.166942989	3447.5443871226564	3351.4789524446	3320.137178582417	3320.137178582417	49.6133381287451	49.6133381287451
134	378	279114	-283161.1413	141217.3107205766	39.73036285889804	-101.8055383	2595.63.428390464	401595.028172312	3451.744881917038	3351.45783548276	3321.033765920749	3320.332747545134	39.42405002	39.10356280314227
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136	378	279116	-281841.1413	141217.3107205766	39.73040173208734	-101.8008486	2599.65.144848672	401586.75314726	3450.83673312228	3351.65548957958	3305.843434369763	3306.19734565343	45.458120642019491	45.45812064161508
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139	378	279119	-279861.1413	141217.3107205766	39.73045921300426	-101.7948166	2605.68.950580545	401574.342402136	3447.5443871226564	3352.036054545733	3303.620449307029	3303.865690748593	49.6133381287451	49.6133381287451
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143	378	279123	-277221.1413	141217.3107205766	39.730536892064	-101.7844346	2613.72.5106313398	401557.79805377	3472.8773762529236	3353.2414302115462	3302.6913645515103	3302.836457662126	50.050056706398	50.04049725402411
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153	378	279133	-270621.1413	141217.3107205766	39.73072381321224	-101.761078	2633.82.9687968434	401516.429078438	3447.5443871226564	3352.036054545733	3303.620449307029	3303.865690748593	49.6133381287451	49.6133381287451
154	378	279134	-269961.1413	141217.3107205766	39.73074217319728	-101.7591544	2635.84.05602641836	401512.3209156925	3453.6761448910529	3351.5290329046043	3308.366184670454	3308.366184670454	43.1629842755887	42.86

ix	yr	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BR/ElevLogs.f	BR/ElevBoth.f	SatThLogs.f	SatThBoth.f
232	278	29217	-21581.1413	141217.3170250766	39.3212432402123	-101.5640124	280270.2856	4401170.105611298	3488.3373971188207	3168.758509449666	3168.094551966324	3145.387409790092	66.9296708	119.40002114397475
238	278	29218	-214521.1413	141217.3170250766	39.32139072734675	-101.5616474	280471.512055674	4401165.952344712	3488.402670170193	3263.699546672847	3168.7794927855522	3140.374181471653	96.37146718172251	123.32272796663157
239	278	29219	-213861.1413	141217.3170250766	39.3215377585625	-101.5683224	280672.3446657009	4401161.879716221	3488.053739873296	3168.49989370396	3168.49989370396	3135.730083687635	97.097408696314	126.000869636114
240	278	29220	-213031.1413	141217.3170250766	39.321683389295	-101.5659775	280873.3700700736	4401157.76125622	3488.289473707963	3261.487382389927	3164.057712780327	3132.314382536032	120.173656334238	129.73656334238
241	278	29221	-212541.1413	141217.3170250766	39.321863461776	-101.5546325	281074.0206988612	4401153.645737508	3488.526041216456	3260.3436729111	3162.867627795914	3130.435352126946	97.50064395	129.9320845126155
242	278	29222	-211881.1413	141217.3170250766	39.321976138363	-101.5522875	281275.4314333005	4401145.62569268	3488.723350621107	3259.234557730153	3161.49866517792	3130.520785922345	128.714166008014	128.714166008014
243	278	29223	-211221.1413	141217.3170250766	39.3222121358585	-101.5499426	281476.4599517926	4401145.407389097	3488.487387905132	3258.087387905132	3160.3480212913525	3130.882559115308	97.50064395	129.9320845126155
244	278	29224	-210651.1413	141217.3170250766	39.3222661257447	-101.5479786	281677.488255976	4401141.319144984	3487.67998733257	3256.053682454437	3159.2377518149656	3130.5979882392	97.68761643	124.5623692303166
245	278	29225	-209991.1413	141217.3170250766	39.3224014394955	-101.5453526	281878.51645918504	4401137.07742892	3486.9777991	3256.744593122459	3158.0958320292396	3134.026584367414	97.68761643	124.5623692303166
246	278	29226	-209241.1413	141217.3170250766	39.3225549	-101.5429076	282079.5443210473	4401133.0965809	3486.07694648846	3254.544608304907	3156.896101481503	3153.536059139877	97.68761643	124.5623692303166
247	278	29227	-208581.1413	141217.3170250766	39.32269770911774	-101.5405627	282280.57198231491	4401128.95656891	3484.604894347806	3253.243755854023	3155.6841023567043	3137.13919673869	97.68761643	124.5623692303166
248	278	29228	-207921.1413	141217.3170250766	39.32280466414856	-101.5382177	282481.5994297712	4401124.8749031	3482.4617028169578	3250.02385192256	3154.468097004664	3136.168697730207	97.6130843	113.9154875
249	278	29229	-207261.1413	141217.3170250766	39.32286216615434	-101.5358727	282682.6266635202	4401120.747620318	3480.381742916555	3250.871395176255	3153.182939	3138.2621001562701	97.6130843	113.9154875
250	278	29230	-206641.1413	141217.3170250766	39.323125110282	-101.5335277	282863.6538379414	4401116.64331103	3478.175311575952	3249.52732881304	3151.843139456635	3139.6412493270504	97.6130843	113.9154875
251	278	29231	-206041.1413	141217.3170250766	39.3232665117162	-101.5311628	283064.6804909009	4401112.544341317	3476.054439230576	3248.21442348586	3150.4445717033242	3140.242292275087	97.68761643	108.0540220880014
252	278	29232	-205281.1413	141217.3170250766	39.3234079639808	-101.5288878	283295.7070847457	4401108.435	3474.95890160324	3246.872727	3148.96170878771	3140.175187487344	97.68761643	108.0540220880014
253	278	29233	-204621.1413	141217.3170250766	39.323548435853	-101.5264828	283486.735	4401104.32111368	3473.417931090726	3245.507534736997	3147.42527781359	3140.917770060505	98.08226596838019	108.0540220880014
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256	278	29236	-202641.1413	141217.3170250766	39.3239397592949	-101.5194578	284089.8113340373	4401091.980045174	3466.317436093313	3241.253736847363	3142.2183633336867	3137.3973739141314	98.0530143510454	108.0540220880014
257	278	29237	-201981.1413	141217.3170250766	39.3241086730405	-101.5171129	284290.8866576504	4401087.89907439	3464.721271565724	3239.78218169247	3140.379474057001	3138.0972866788019	98.0530143510454	108.0540220880014
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259	278	29239	-200661.1413	141217.3170250766	39.3243832694304	-101.5124833	284699.33113148	4401078.9297303	3458.836829814635	3237.058910197883	3138.8648421759358	3132.42643720494	98.0530143510454	108.0540220880014
260	278	29240	-200001.1413	141217.3170250766	39.3245027807473	-101.5100779	284893.9121904576	4401075.5653007	3462.144517545863	3235.2097985447776	3134.563141328634	3131.583268189006	100.646527261412	103.6263722578108
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262	278	29242	-198681.1413	141217.3170250766	39.3247944662576	-101.5053879	285295.961512022	4401067.250356367	3462.059611943044	3232.027345478427	3130.4181442292303	3127.994942473372	101.602001401966	104.03240270505485
263	278	29243	-198021.1413	141217.3170250766	39.3249368257971	-101.5030429	285496.985615089	4401063.242399215	3460.7844117991885	3230.956782504697	3128.25773461439	3126.06825863249	102.13790478903093	104.03240270505485
264	278	29244	-197361.1413	141217.3170250766	39.32510663	-101.500679	285698.090669507	4401059.16331793	3458.31144631739	3228.73709072963	3126.0554666605	3124.1740069344043	102.6815153096387	104.03240270505485
265	278	29245	-196701.1413	141217.3170250766	39.3252565	-101.49835	285899.33113148	4401056.9297303	3456.836829814635	3227.058910197883	3124.563141328634	3122.42643720494	102.6815153096387	104.03240270505485
266	278	29246	-196041.1413	141217.3170250766	39.3253963	-101.49608	286100.057403519	4401053.96137193	3455.36551542399	3225.811469117345	3121.7294791290215	3120.8376815995	102.6815153096387	104.03240270505485
267	278	29247	-195381.1413	141217.3170250766	39.3254707335988	-101.49363	286301.080566805	4401046.817	3451.127059553833	3223.64734463118	3119.606262377843	3118.7414368640923	102.6815153096387	104.03240270505485
268	278	29248	-194721.1413	141217.3170250766	39.3256046279589	-101.491318	286502.713779671	4401042.712260945	3448.123114357786	3221.921771707116	3117.6968444869804	3116.9668036523694	104.2206721373125	104.03240270505485
269	278	29249	-194061.1413	141217.3170250766	39.32573806928244	-101.488973	286703.126738347	4401038.605369545	3447.1191673540281	3220.73398530034	3116.064552656094	3115.3866137854917	104.190428699362	104.03240270505485
270	278	29250	-193401.1413	141217.3170250766	39.3258781	-101.486628	286904.14567747253	4401034.50008572	3445.1152212050321	3218.417124243763	3114.5109615	3113.92036192567107	104.190428699362	104.03240270505485
271	278	29251	-192741.1413	141217.3170250766	39.3260035928166	-101.484283	287105.1721624575	4401030.395	3443.704503400596	3216.650970082224	3113.47547796757	3112.648611406083	104.190428699362	104.03240270505485
272	278	29252	-192081.1413	141217.3170250766	39.3261357765076	-101.481908	287306.1945385076	4401026.28996486	3442.48857186741	3214.87519754835	3111.90677330494	3111.43515309617	104.190428699362	104.03240270505485
273	278	29253	-191421.1413	141217.3170250766	39.3262673040253	-101.479593	287507.2167860336	4401022.185158891	3442.248577231114	3213.029262166613	3110.89655311931	3109.6076995877	104.190428699362	104.03240270505485
274	278	29254	-190761.1413	141217.3170250766	39.3263984803416	-101.477248	287708.236664301	4401018.08065959	3441.50270845333	3211.30422	3109.659164070483	3109.659164070483	104.190428699362	104.03240270505485
275	278	29255	-190101.1413	141217.3170250766	39.3265290344016	-101.474903	287909.26041511697	4401013.9763864	3440.1940793163467	3209.52912050488	3108.342152657902	3107.984459477737	101.170759392581	102.1254256701347
276	278	29256	-189441.1413	141217.3170250766	39.3266595	-101.472558	288110.2819574492	4401009.87327357	3438.322686456503	3207.70266637346	3107.030891134447	3106.7473989124107	100.6887552893158	100.6887552893158
277	278	29257	-188781.1413	141217.3170250766	39.3267892905215	-101.470213	288311.3032919697	4401005.76889036	3436.451297495534	3205.928633319145	3105.2556833789586	3104.1763785364403	100.6887552893158	100.6887552893158
278	278	29258	-188121.1413	141217.3170250766	39.3269185455018	-101.467688	288512.344187485	4401001.665037327	3434.579907373067	3204.139365770167	3103.799321880393	3103.298187433443	100.6887552893158	100.6887552893158
279	278	29259	-187461.1413	141217.3170250766	39.3270478167671	-101.465349	288719.4686080754	4400997.246859346	3432.694887196741	3202.95787797656	3102.95787797656	3102.95787797656	100.6887552893158	100.6887552893158
280	278	29260	-186801.1413	141217.3170250766	39.3271760233154	-101.463178	288914.3690504309	4400993.45853265	3428.043701296507	3200.5757098964176	3101.47300827676	3099.472710792524	100.6887552893158	100.6887552893158
281	278	29261	-186141.1413	141217.3170250766	39.327304082152	-101.460833	289115.3865497227	4400989.356	3424.31					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	50mElevKgr.f	50mElevBoth.f
363	378	279343	-132021.1413	1041217.3170250766	39.3362587112029	-101.26854	305598.3831366332	4000653.731688922	3250.959584908701	3075.780999845479	3025.172538525531	301019.64728126806	50.6084841947965	56.71624413279824
364	378	279344	-131361.1413	1041217.3170250766	39.33634911299184	-101.266195	305799.3871734372	4000649.648650715	3248.8962453765105	3074.2521034983764	3020.167695727301764	3020.167695727301764	50.89138765169284	54.08404771560036
365	378	279345	-130701.1413	1041217.3170250766	39.33643996172354	-101.263849	306000.3910234941	4000645.656569606	3246.736356589473	3072.8742787712	3023.7596071228657	3021.047542584214	45.11381215234343	51.6271781229057
366	378	279346	-130041.1413	1041217.3170250766	39.3365285573766	-101.261548	306201.3947680142	4000641.80315587	3246.70279321306	3071.07408015013	3022.446325347797	3021.0503050702025	48.10236571294	50.02435071429804
367	378	279347	-129381.1413	1041217.3170250766	39.33661760061375	-101.2591598	306400.3981462005	4000637.4004848268	3244.2376645556246	3069.397147484615	3020.4466864765163	3019.1424229	48.9504601	49.972918694717436
368	378	279348	-128721.1413	1041217.3170250766	39.336737062	-101.2568147	306603.4014255058	4000633.81984782	3245.488545240335	3067.63422450911	3018.140945647989	3017.19274575117	48.43278854921755	50.44146929747905
369	378	279349	-128061.1413	1041217.3170250766	39.33679432607204	-101.2544696	306804.405153912	4000629.23647582	3243.7963149432603	3065.762149386745	3015.801948746853	3014.819675487653	49.9608006389916	50.9430737330085
370	378	279350	-127401.1413	1041217.3170250766	39.3368820059136	-101.2521246	307005.4074811615	4000625.14702335	3242.9903134643603	3063.76793930373	3013.676711796905	3012.627599329403	50.08750421062679	51.13257599736988
371	378	279351	-126741.1413	1041217.3170250766	39.3369692898968	-101.250478	307206.4091297236	4000621.073081541	3242.6319635651306	3061.8158971220657	3011.633954	3007.659146792637	49.98203384250824	51.85684037861197
372	378	279352	-126081.1413	1041217.3170250766	39.3370507172214	-101.247434	307407.4125543327	4000616.95209895	3238.680578292184	3059.8389195329	3009.6738745242485	3005.747813922004	49.6629071032243	53.5889603288236
373	378	279353	-125421.1413	1041217.3170250766	39.33714234148714	-101.2450894	307608.4149908467	4000612.917025063	3233.728785083434	3056.941550781184	3007.77829	3004.622968968185	48.4212717324437	53.27505014998146
374	378	279354	-124761.1413	1041217.3170250766	39.33722821273645	-101.2427443	307809.4172398362	4000608.830315633	3227.767129	3054.45991585754	3005.1881183855457	3001.7124491515897	49.2668720200465	52.74252434164534
375	378	279355	-124101.1413	1041217.3170250766	39.337313630836	-101.2403992	308010.419032325	4000604.7495905845	3226.634297019236	3053.649176397827	3003.3819924079767	2999.7848659880521	52.1152131	53.1813398980521
376	378	279356	-123441.1413	1041217.3170250766	39.33739859597165	-101.2380541	308211.4209797866	4000600.6995141472	3220.232981792705	3049.290604288705	3001.62991552399043	2997.255139345117	47.6699129966238	52.04092908375833
377	378	279357	-122781.1413	1041217.3170250766	39.33748310799996	-101.2357091	308412.4225999769	4000596.598464984	3223.962468134972	3046.6986860746053	2999.7658460173587	2997.88996070336	48.9992096572462	50.9343936715613
378	378	279358	-122121.1413	1041217.3170250766	39.337567169698	-101.233364	308613.4235910196	4000592.50965308	3227.6311951194293	3043.998853	2998.130807249129	2994.290273300576	45.8690451189413	49.708025730912574
379	378	279359	-121461.1413	1041217.3170250766	39.33765778727875	-101.2310189	308814.4251713681	4000584.43082707	3226.697151456277	3041.32506	2996.409359791314	2992.5462825340965	47.8112401728685	48.777475180376
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381	378	279361	-120141.1413	1041217.3170250766	39.337816625515	-101.226328	309216.4270361514	4000580.27164816	3225.620334347799	3035.955745	2993.521115326136	2993.405161660531	42.5423629631661	45.2514236196131
382	378	279362	-119481.1413	1041217.3170250766	39.3378967224404	-101.2239837	309417.427689079	4000576.19276713	3220.62349454955	3033.267851836071	2992.206836240465	2992.1929318464346	41.0610516200552	41.07439371277194
383	378	279363	-118821.1413	1041217.3170250766	39.33798066591184	-101.221638	309618.4281559728	4000572.114161959	3217.076595575937	3030.863282920807	2991.99973996186	2996.396178185522	39.4816886282277	34.1840673938805
384	378	279364	-118161.1413	1041217.3170250766	39.3380620595191	-101.2192396	309819.4284370416	4000568.305717417	3216.3034176539	3027.895687054238	2990.947930952093	2995.001894630293	39.46776947138714	32.88650963403445
385	378	279365	-117501.1413	1041217.3170250766	39.3381496956781	-101.2168429	310020.429505678	4000564.2585428	3215.30167900347	3026.94465433889	2990.8821465433889	2992.44775543206	38.9014459231365	18.5391797004126
386	378	279366	-116841.1413	1041217.3170250766	39.33822332855134	-101.2146034	310221.424425187	4000559.87093218	3217.656973011779	3022.5394416892213	2989.550916704117	2982.56683282245	38.9582298510428	39.9720930697621
387	378	279367	-116181.1413	1041217.3170250766	39.3383033099761	-101.2122583	310422.4281673413	4000556.80230226	3216.2997071529	3019.867385528434	2987.912938950268	2981.754462690368	31.954540258476	38.1217111652481
388	378	279368	-115521.1413	1041217.3170250766	39.3383826383392	-101.2099133	310623.4277061867	4000551.725	3216.307591284593	3017.199420469506	2987.263227	2981.497920691208	39.9360331308062	35.7015183782084
389	378	279369	-114861.1413	1041217.3170250766	39.3384619136412	-101.2075682	310824.42716218624	4000547.64738808	3189.782401954888	3014.573907	2987.4886671633208	2984.56887500747	27.05103612089426	29.99101267466336
390	378	279370	-114201.1413	1041217.3170250766	39.338540358814	-101.2052321	311025.4273035814	4000543.57042807	3179.527217031835	3011.883696505109	2987.578889567613	2983.951995	24.3049745934781	27.93187048873998
391	378	279371	-113541.1413	1041217.3170250766	39.33862187050589	-101.202878	311226.4252186714	4000539.493893158	3174.779370223348	3009.2375163744646	2987.546227434064	2987.889941316482	21.891288927128335	26.959129901426
392	378	279372	-112881.1413	1041217.3170250766	39.338706961413	-101.2005329	311427.424654433	4000535.47	3174.779370223348	3009.2375163744646	2987.546227434064	2987.889941316482	21.891288927128335	26.959129901426
393	378	279373	-112221.1413	1041217.3170250766	39.33877368423116	-101.1981789	311628.4238447766	4000531.340044885	3176.298328903324	3003.369943501285	2989.036989678303	2979.2033881181103	25.79619736279817	24.76610619002498
394	378	279374	-111561.1413	1041217.3170250766	39.3388504942238	-101.1958428	311829.4210725848	4000527.26426045	3170.35022314998	2983.5390739109976	2975.621404111225	27.8109494000044	25.7868877576	24.76610619002498
395	378	279375	-110901.1413	1041217.3170250766	39.3389268511539	-101.1934977	312030.412331632	4000523.1891440035	3174.5245295676477	2996.1408298391447	2981.452739191525	2973.278781391433	17.28800964761981	25.4624035
396	378	279376	-110241.1413	1041217.3170250766	39.3390027550217	-101.1911526	312231.4173903053	4000519.11398907	3168.69274325214	2996.743866826473	2980.85668284733	2975.1043172719076	25.7625865716023	25.7625865716023
397	378	279377	-109581.1413	1041217.3170250766	39.33907820562685	-101.1888079	312432.4154704708	4000515.03825933	3162.872170719287	2983.55892893272	2976.054434778657	2970.395184687688	25.004995970625	23.610424550351
398	378	279378	-108921.1413	1041217.3170250766	39.3391625056914	-101.1864629	312633.4137786021	4000510.983219111	3161.0479600347	2980.954991329383	2972.44175530239	2970.395184687688	25.004995970625	23.610424550351
399	378	279379	-108261.1413	1041217.3170250766	39.3392477248245	-101.1841174	312834.41024901904	4000506.88384443	3157.1473932071578	2988.4302128790955	2968.352845924455	2971.052690041473	20.0776954540638	17.1651282
400	378	279380	-107601.1413	1041217.3170250766	39.3393013396647	-101.1817723	313035.4079299864	4000503.81796585	3156.17052273887	2985.890759338735	2966.074105641325	2964.134714379408	19.16565393611997	21.36361495326696
401	378	279381	-106941.1413	1041217.3170250766	39.3393754784181	-101.1794272	313236.404834573	4000498.7325434	3154.856652770583	2983.68990072869	2962.5996096871396	2960.368381149634	20.771999385729487	23.23815095737248
402	378	279382	-106281.1413	1041217.3170250766	39.3394486639078	-101.1770821	313437.4019540925	4000494.66532014	3153.546278180229	2980.864858062493	2960.098335200285	2956.545640427976	21.76632540220058	24.3192148895172
403	378	279383	-105621.1413	1041217.3170250766	39.3395213963341	-101.174737	313638.398	4000490.95141739	3152.779522682885	2978.30972628883	2958.275932502753	2956.387645702403	24.91498957615749	24.91498957615749
404	378	279384	-104961.1413	1041217.3170250766	39.3395967526968	-101.172392	313839.3953526923	4000485.577631015	3151.495807	2975.921546821533	2955.1518470533363	2954.295195476782	24.74189736425003	24.74189736425003
405	378	279385	-104301.1413	1041217.3170250766	39.339678961413	-101.169978	314040.3981581011	4000481.42170377	3150.428413701377	2974.832413701377	2954.295195476782	2954.295195476782	24.74189736425003	24.74189736425003
406	378	279386	-103641.1413	1041217.3170250766	39.33973768757908	-101.1677198	314241.38902356307	4000476.371127005	3149.7868770924975	2971.100528498585	2954.793020502835	2953.61312477446	24.30738033431342</	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatH.kg.ft	SatHBoth.ft
487	378	279489	-48861.14133	10421217.310250766	39.344014611047	-100.7305684	330293.465	4400141.121988455	3050.497385	2871.729488900726	2872.816014833578	30.120199981084737	30.93347737799546	
490	378	279470	-48201.14133	10421217.310250766	39.3441147656394	-100.7307132	331124.446709587	4400137.06868937	3040.60550478151	2872.076847848611	2871.2108747525058	28.7221200292126	29.855774482485125	
491	378	279471	-47841.14133	10421217.310250766	39.3441476388904	-100.7306381	331325.4285	4400136.703586482	3038.8523289718457	2870.444463889874	2871.5440492535302	29.787892329597568	28.897730444878923	
492	378	279472	-46881.14133	10421217.310250766	39.3441800426545	-100.7306023	331526.4907126295	4400135.793730475	3036.19541657125	2869.850522	2869.961277304758	27.60762538649512	28.117790249614816	
493	378	279473	-46221.14133	10421217.310250766	39.3442120045056	-100.7306379	331727.3900838791	4400124.910128382	3036.497602312382	2867.29538538467139	2868.587322580513	28.06154717550362	27.70815306212044	
494	378	279474	-45561.14133	10421217.310250766	39.34423420	-100.73061328	331928.7302828994	4400120.85733427	3035.798790010992	2865.776617971301	2868.2745573515753	27.502060439725938	27.012698536625566	
495	378	279475	-44901.14133	10421217.310250766	39.3442745579699	-100.73059877	332129.310301902425	4400116.805615408	3038.806165271825	2894.291807573999	2867.051542840092	28.70034373070537	26.20613444592282	
496	378	279476	-44241.14133	10421217.310250766	39.3443051547929	-100.73056425	332330.3337924173	4400112.573711581	3042.516728417682	2894.38454660604	2865.891787320874	28.941752928525556	26.50780817900988	
497	378	279477	-43581.14133	10421217.310250766	39.34433529874295	-100.73054974	332551.24403284	4400105.9624452	3045.22779216974857	2891.4116441838	2864.766443856503	28.647720605287558	26.7819175849884	
498	378	279478	-42821.14133	10421217.310250766	39.3443648095197	-100.73051923	332732.248518305	4400104.650617035	3043.57854504966	2890.015640564003	2863.5521472099897	28.6649343505036	26.33968525211174	
499	378	279479	-42251.14133	10421217.310250766	39.3443842274238	-100.730496072	332933.2751382636	4400100.599418741	3043.005303767622	2888.634357830636	2861.85762501176807	28.6380840191276	26.554856335653883	
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501	378	279481	-40941.14133	10421217.310250766	39.3444451348126	-100.7494917	333335.2255226127	4400092.4997736714	3033.005641249615	2885.959471974791	2858.735724020954	28.62490358071483	26.009801876565765	
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536	378	279516	-17841.14133	10421217.310250766	39.3451575153969	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogs.Kg.f	BR ElevBoth.Kg.f	SatThLogs.f	SatThBoth.f	
578	279595	34298.85867307335	1041217.310250766	39.34474112507211	-0.06775732	356245.94358189136	4399932.25984121	2804.840438974353	2648.796626	2644.352660497337	2644.394782487317	2646.95636262883	440184836		
616	279596	34958.85867307335	1041217.310250766	39.3446847823936	-0.06752821	3647445.905323911	4399928.26195686	2760.994451964733	2647.3452251297	2646.295375662511	2646.251181180456	1.008499503662048	10975343020614092		
617	279597	35678.85867307335	1041217.310250766	39.34466523383624	-0.06749833	366477.869891532	4399900.27258625	2783.146864952161	2645.880827248706	2646.6379857686	2646.57379857686	0	0		
618	279598	36278.85867307335	1041217.310250766	39.34443637580806	-0.06705279	356848.8133480103	4399920.18610508	2772.302477945314	2644.4215053015914	2645.200683018097	2645.1608187212	0	0		
619	279599	36938.85867307335	1041217.310250766	39.3446134446902	-0.06681928	357049.79372406914	4399916.166669485	2760.9215260327283	2642.942870136235	2646.959591897167	2646.80658595479	0	0		
620	279600	37598.85867307335	1041217.310250766	39.344458760495	-0.06658477	357250.7345676015	4399912.14363658	2749.056092172345	2641.4560720976315	2644.1142905599	2646.586224	0	0		
621	279601	38258.85867307335	1041217.310250766	39.344561822334	-0.06630525	357451.7179712827	4399908.121	2737.089924017416	2639.96135276901	2673.18964743584	2674.349649216801	0	0		
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623	279603	39578.85867307335	1041217.310250766	39.3446350894659	-0.06588123	357853.84187145273	4399900.27258625	2713.63574865421	2635.95102261161	2666.426780916287	2667.175977128596	0	0		
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625	279605	40898.85867307335	1041217.310250766	39.34444531434383	-0.06541221	358255.5648	4399902.03369513	2691.3154745570764	2633.9140784261026	2649.871854618384	2649.908198273086	0	0		
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627	279607	42218.85867307335	1041217.310250766	39.34433690851029	-0.06494318	358657.4874	4399903.932	2672.606974682219	2630.8612972059195	2638.0459404229205	2637.987342494955	0	0		
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645	279625	54098.85867307335	1041217.310250766	39.3438010609594	-0.06072198	362274.7668	4399911.65254657	2730.2741208193784	2607.795127	2620.190829543597	2620.88380886179	0	0		
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655	279635	60698.85867307335	1041217.310250766	39.3434089779045	-0.05837867	364284.3702304986	4399917.497197178	2752.747918512678	2604.739781327694	2632.8626045770516	2632.9332935098054	0	0		
656	279636	61358.85867307335	1041217.310250766	39.3433650510626	-0.05814236	364485.3055313965	4399947.48242787	2755.361982	2604.66776764622	2637.13489168999	2637.9036388975324	0	0		
657	279637	62018.85867307335	1041217.310250766	39.34332617327505	-0.05790819	364686.3438219697	4399949.018492987	2758.84843826471	2604.61984166541	2638.1984166541	2638.1984166541	0	0		
658	279638	62678.85867307335	1041217.310250766	39.343293792966	-0.05767333	364887.21970501426	4399945.551173764	2769.859646361323	2605.26071795703	2637.20032020259	2637.907638466057	0	0		
659	279639	63338.85867307335	1041217.310250766	39.343266802855	-0.05743882	365088.1767801433	4399945.41827115	2765.886384613186	2605.582544813186	2637.973917621534	2638.501573015793	0	0		
660	279640	63998.85867307335	1041217.310250766	39.343192720354	-0.05720431	365289.132850842	4399941.58711028	2773.999138399716	2605.94035451853	2636.652386184726	2636.929415076723	0	0		
661	279641	64658.85867307335	1041217.310250766	39.34314881305075	-0.0569688	365490.090	4399947.45189492	2782.1115911960596	2606.407530353619	2634.566075066274	2634.8414599414793	0	0		
662	279642	65318.85867307335	1041217.310250766	39.343104196273	-0.05673529	365691.04894424884	4399943.40	2790.2239655531385	2605.909421808664	2632.863721258256	2635.260148569468	0	0		
663	279643	66018.85867307335	1041217.310250766	39.3430691353525	-0.05650078	365892.004427571	4399938.389739043	2794.34426167983	2607.465438769483	2636.3					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	WGL	BRElevKgr.f	BRElevBothKgr.f	SurfBothKgr.f
1	379	27921	-370941.1413	104177.310250766	39.2918989	-102.1174244	32824.99191046308	402348.8214477	167.12794991547	356.313175915656	3497.496559999977	3501.175437005093	70.18616591967895
2	379	27922	-370281.1413	104177.310250766	39.292151331496	-102.1150796	323026.07794217118	402344.561722074	375.807309368768	356.423831571064	3496.259291056683	3501.173560419706	68.49791061
3	379	27923	-369621.1413	104177.310250766	39.292495752162	-102.1137749	32352.1627104236	402340.492236441	374.938669116427	356.4549578365416	3497.556578198361	3497.556578198361	69.934921528382616
4	379	27924	-368961.1413	104177.310250766	39.292655760238	-102.1109092	323428.24921398173	402337.312990041	372.98496392722	356.2646055328024	3495.540675	3498.3335057340985	67.12330055184248
5	379	27925	-368301.1413	104177.310250766	39.2929118033822	-102.1080455	323629.3345431623	402332.143852624	378.300033486192	356.76756069919807	3498.1770278270765	3500.537786403255	60.23876235165512
6	379	27926	-367641.1413	104177.310250766	39.2931643887909	-102.1057008	323830.4194289453	402330.9715076	371.979277066513	355.88592602554	3498.699953384334	3500.869112	58.016813248813685
7	379	27927	-366981.1413	104177.310250766	39.293416207494	-102.1033356	324031.5041409213	402323.807	372.456678125714	355.96193121255924	3497.9043873980604	3500.01919711004	56.97322052444648
8	379	27928	-366321.1413	104177.310250766	39.2936819975716	-102.1010113	324232.58885840285	402319.638408619	370.579391527	355.1040462658644	3492.264096687313	3494.2614087460734	62.8363097855121
9	379	27929	-365661.1413	104177.310250766	39.29391842581594	-102.0986666	324453.7274664828	402317.90363076	369.0621046926929	355.3277846570255	3493.383940330643	3494.453986532684	60.18396392961226
10	379	27930	-365001.1413	104177.310250766	39.2941701989195	-102.0952518	324534.756969616	402311.30255119	369.324818330056	355.314634893226	3491.8555453402	3493.839232124774	59.45245945307485
11	379	27931	-364341.1413	104177.310250766	39.2944205190712	-102.0939771	324835.84035652076	402307.134995194	368.07610658007	354.941425289972	3491.27569235696	3491.67123271051	58.457252064322
12	379	27932	-363681.1413	104177.310250766	39.2946703627114	-102.0916324	325036.92375302233	402302.966667347	368.01596426139	354.7527453305514	3492.855221281483	3494.0415038758964	52.9129745465751
13	379	27933	-363021.1413	104177.310250766	39.2949189005178	-102.0892876	325238.00688738195	402298.7008808719	367.4315834145074	354.65203195181	3492.7383686931793	3494.058613201363	51.54697096525991
14	379	27934	-362361.1413	104177.310250766	39.2951678161111	-102.0869429	325439.08975953842	402290.4673375052	366.835695367224	354.734584016554	3494.498301116666	3494.591632921494	49.2359539898045
15	379	27935	-361701.1413	104177.310250766	39.29541727015004	-102.0845892	325640.123699599	402284.67123339	366.058699163725	354.336888961937	3493.363199724022	3493.643093989575	47.33733767232742
16	379	27936	-361041.1413	104177.310250766	39.2956652353545	-102.0822534	325841.25471806247	402276.30076374	364.214543306223	353.9049424268971	3491.942113236635	3492.03295714027	47.99830362227554
17	379	27937	-360381.1413	104177.310250766	39.2959129279638	-102.0799087	326042.3368044444	402282.1346377	363.306470704317	353.084963717215	3490.922746569763	3490.96094131787	47.12590250523863
18	379	27938	-359721.1413	104177.310250766	39.296160074375	-102.0775639	326243.41863024863	402271.95781568	362.506432048311	353.61671288762923	3489.846506580547	3489.9382877138	46.2684009514336
19	379	27939	-359061.1413	104177.310250766	39.2964067739552	-102.0752192	326444.5001948152	402273.803105892	365.006514603685	354.279246858628	3490.8732493327834	3491.1338050217903	45.9059762544452
20	379	27940	-358401.1413	104177.310250766	39.2966530171565	-102.0728744	326645.58194774878	402269.637699848	362.860704724260	353.240675899825	3489.633056484586	3489.91970773015	42.76761941523864
21	379	27941	-357741.1413	104177.310250766	39.296898810026	-102.0705297	326846.66250425995	402265.47233713	364.671496531775	353.50522471975756	3488.51203256973	3488.51203256973	40.124924060282
22	379	27942	-357081.1413	104177.310250766	39.2971441457675	-102.0681489	327046.663212883	402260.470760748	364.589158953065	352.853224723435	3487.541937103475	3487.541937103475	40.024824060282
23	379	27943	-356421.1413	104177.310250766	39.29739131211394	-102.0658462	327243.829438277	402257.4428121513	363.471583717063	352.7413122300707	3474.31758673679	3474.31758673679	37.8139621674523
24	379	27944	-355761.1413	104177.310250766	39.2976334621864	-102.0634594	327449.90410530585	402248.912748173	363.8157156705513	352.4914058410062	3485.8133883965505	3486.2732553284965	30.10697043111445
25	379	27945	-355101.1413	104177.310250766	39.2978774409577	-102.0611507	327650.9841068528	402242.81647155	363.81770257227485	352.0464341387733	3485.8100095254563	3486.409781152256	27.236424417301
26	379	27946	-354441.1413	104177.310250766	39.2981209667698	-102.0588059	327852.06384867203	402240.65034174	363.876267369366	351.7193024846693	3485.7790933886104	3486.4135670211397	25.0024090965918
27	379	27947	-353781.1413	104177.310250766	39.298364396221	-102.0564612	328053.143	402240.48674665	364.469966259466	351.9122764540185	3486.008750116146	3486.46944939515	33.3039014240391
28	379	27948	-353121.1413	104177.310250766	39.298606595139	-102.0541164	328254.2255396325	402236.32087715	365.927234060343	351.7403692233993	3486.539570100337	3486.539570100337	30.9055292925953
29	379	27949	-352461.1413	104177.310250766	39.2988529444684	-102.051846	328453.1517784618	402232.03824471	367.881755371703	351.7403692233993	3487.7642101674523	3487.7642101674523	27.8139621674523
30	379	27950	-351801.1413	104177.310250766	39.2991040414	-102.0493318	328650.984023833	402228.9846337	371.570747242518	3498.689748952521	3488.903109190187	3488.903109190187	24.8055372549354
31	379	27951	-351141.1413	104177.310250766	39.2993318015425	-102.0470821	328857.4587690836	402223.834363301	381.79876384307	351.841246102224	3490.239893388044	3490.745768538356	21.5105262213799
32	379	27952	-350481.1413	104177.310250766	39.2995726095882	-102.0447373	329058.53695869284	402218.61330332	369.819734072617	350.974565242937	3487.9140963149484	3488.26314712201547	19.7138003499496
33	379	27953	-349821.1413	104177.310250766	39.2998129646712	-102.0423826	329259.6148864235	402215.509248587	371.075295110257	350.8107437790135	3483.9610252614284	3484.222590752456	17.6448157158506
34	379	27954	-349161.1413	104177.310250766	39.300052679095	-102.0400478	329460.6925578185	402211.347	372.7135507316965	350.6239026286204	3480.65205	3480.65205	15.284851527164062
35	379	27955	-348501.1413	104177.310250766	39.3002923159472	-102.037703	329661.76997147602	402207.186392548	373.871774000616	350.43699167910304	3477.368705248877	3477.2908173935645	12.9709886345894
36	379	27956	-347841.1413	104177.310250766	39.30053131211394	-102.0353652	329862.941712741023	402203.03284471	375.88716811089146	350.215913122300707	3474.31758673679	3474.31758673679	10.2781320521482
37	379	27957	-347181.1413	104177.310250766	39.300769555139	-102.0330315	329961.90302589213	402198.96482732	378.9518182817231	350.0383186480344	3471.615605472999	3471.615605472999	7.907141582634994
38	379	27958	-346521.1413	104177.310250766	39.3010074562965	-102.0306687	330025.0066713066	402194.701407014	374.0283845255112	349.76197803417	3492.239524255974	3486.8583904904253	5.92576734424246
39	379	27959	-345861.1413	104177.310250766	39.301245529694	-102.0283239	330266.06770513026	402190.541	370.97176506299	349.801479595648	3466.728175123875	3466.728175123875	3.70127946372304
40	379	27960	-345201.1413	104177.310250766	39.30148726725814	-102.0259791	330467.15317869515	402186.137949822	370.18483242426585	349.033695702635	3464.4056737513084	3464.210584995767	30.68221394625133
41	379	27961	-344541.1413	104177.310250766	39.30177195	-102.0236344	330688.2290494338	402182.21957934	369.70488373923	349.316234329458	3462.17430845964	3461.9180459613	28.0003948925408
42	379	27962	-343881.1413	104177.310250766	39.30201957770218	-102.021296	330891.0436637559	402178.05949089	368.9514431629674	349.28133597721	3459.6640253388564	3459.822803503065	25.14571233968452
43	379	27963	-343221.1413	104177.310250766	39.302267194184	-102.0190352	331094.1627696928	402174.08351213	367.9481621878	349.163162878	3457.7881484999469	3457.7881484999469	22.7737233961662
44	379	27964	-342561.1413	104177.310250766	39.3024924799124	-102.01616	331296.1417512396857	402169.739090914	367.481433463	349.536526430969	345.81859898449	3458.96007000483	21.28487252
45	379	27965	-341901.1413	104177.310250766	39.30266189440975	-102.0142552	331476.52997027294	402165.5840953	367.1775093322698	348.8541904212786	3453.757693	3454.210286693204	19.31667780508525
46	379	27966	-341241.1413	104177.310250766	39.3028936930358	-102.0119104	331673.0465069444	402161.412328884	367.45550931246	348.3303716	3451.987461139133	3452.3592237916	17.315244606978
47	379	27967	-340581.1413	104177.310250766	39.3031304	-102.0095656	331874.678963909	402157.26239763	366.8872152711656	348.1047064591057	3450.342423864857	3450.342423864857	15.333676199745
48	379	27968	-339921.1413	104177.310250766	39.303363350804	-102.0072029	332075.7529764595	402153.104	366.61468819719	347.759825434755	3448.816654214649	3449.73762744646	12.9740116205796
49	379	27969	-339261.1413	104177.310250766	39.303604269794	-102.0048612	332276.829438277	402149.483615	365.927615123183	347.869797127385	3447.455		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt.	BREIEvBothKrg	BREIEvBothKrg	SurfBothKrg	SurfBothKrg
127	379	27847	-287781.1413	1041877.3170250766	39.3203830065895	-01.8219778	258159.8167665107	401825.323993728	3396.7467956193114	3335.5739640583215	3338.657380752916	3338.492015	11.91683305405311
128	379	27848	-287721.1413	1041877.3170250766	39.32058112228735	-01.8196329	258360.87101100897	401821.184461035	3408.749953409141	3350.1294139072328	3336.1272603630227	3336.45833199796535	14.00215327703783
129	379	27849	-287661.1413	1041877.3170250766	39.3207779999127	-01.8172788	258681.24476225259	401827.145815892	3422.7543171989773	3349.7435311614333	3333.01895330027438	3332.946457730815	16.8758466296533004
130	379	27850	-287601.1413	1041877.3170250766	39.32097406553405	-01.8149431	258762.9790565668	401821.906091139	3435.911323738258	3329.7657016565658	3336.24832616222	3329.7657016565658	19.726584736375698
131	379	27851	-287541.1413	1041877.3170250766	39.32117036915135	-01.8125982	258864.03267702356	401808.76279329	3442.587783211265	3332.337376871758	3326.8922347338123	322.76688414159884	22.445389379443
132	379	27852	-284481.1413	1041877.3170250766	39.32133659	-01.8102533	259165.0806559336	401808.62869825	3444.057437366241	3349.249735626825	3322.088916491646	3322.088916491646	26.645430713758742
133	379	27853	-283821.1413	1041877.3170250766	39.321560353716	-01.8079084	259366.13920447943	401800.49032118	3445.251456512265	3349.2432602430903	3316.4913771929955	3316.4913771929955	32.26924324577933
134	379	27854	-283161.1413	1041877.3170250766	39.3217555	-01.8059535	259567.1921119805	401806.352540258	3446.5685172733	3349.319300404783	3311.5659618203488	3311.5659618203488	37.74596811
135	379	27855	-282501.1413	1041877.3170250766	39.321962321162	-01.8033185	259789.2447622725	401807.145815892	3449.49241396383	3338.01895330027438	3308.299795257341	3308.299795257341	41.4397410636361
136	379	27856	-281841.1413	1041877.3170250766	39.322143371611	-01.8008736	259969.292155632	401788.07673118	3444.049716570075	3349.647248189537	3305.692629129185	3305.692629129185	43.5218519006985
137	379	27857	-281181.1413	1041877.3170250766	39.32233663174526	-01.7985287	260170.3494120558	401788.739381426	3444.1244987937	3349.6871396538	3304.532224043168	3304.532224043168	45.0497116675797
138	379	27858	-280521.1413	1041877.3170250766	39.32252924232326	-01.7961838	260371.04137195977	401779.80223519	3440.151192967239	3350.185533950834	3303.890942262976	3303.890942262976	46.99627454509027
139	379	27859	-279861.1413	1041877.3170250766	39.322721761828	-01.7938389	260572.4530954809	401775.65382029	3443.749392	3350.503060120704	3303.573646729044	3303.573646729044	48.68355423275625
140	379	27860	-279201.1413	1041877.3170250766	39.3229136445514	-01.791494	260773.5045828223	401771.52689599	3452.918997493763	3350.837650259844	3303.43263502099	3303.43263502099	47.19647396825427
141	379	27861	-278541.1413	1041877.3170250766	39.323105080090	-01.789149	260974.5558341995	401767.392320318	3458.05778671135	3347.7110054038	3303.7498114721584	3303.7498114721584	47.66751982115603
142	379	27862	-277881.1413	1041877.3170250766	39.32329605561	-01.7868014	261175.8084981014	401763.25604071	3471.250869873767	3351.508968937637	3303.37362089972	3303.37362089972	48.1350489736647
143	379	27863	-277221.1413	1041877.3170250766	39.3234858609375	-01.7844592	261376.857698377	401759.12089725	3473.614427120995	3351.8117285059135	3303.391217087051	3303.391217087051	48.42606736826208
144	379	27864	-276561.1413	1041877.3170250766	39.3236767	-01.7821143	261577.7801745671	401754.9843777	3469.15758203255	3352.089297320675	3303.5143138209117	3303.5143138209117	48.3630265115581
145	379	27865	-275901.1413	1041877.3170250766	39.32386628014	-01.7797964	261778.7584182598	401750.849	3460.2487016858093	3352.312891307464	3302.62355126384	3302.62355126384	48.2963935102671
146	379	27866	-275241.1413	1041877.3170250766	39.3240544765065	-01.7774244	261979.80855874793	401746.71367093	3464.364786182763	3352.4787021414204	3304.096436629398	3304.096436629398	48.3393005720688
147	379	27867	-274581.1413	1041877.3170250766	39.32423441621496	-01.7750795	262180.958983633	401742.5786759	3454.7843664842753	3352.596364319	3305.958302517185	3305.958302517185	47.9908343824474
148	379	27868	-273921.1413	1041877.3170250766	39.32443242363814	-01.7727346	262381.9080040044	401738.431939652	3448.32124346467	3352.596327350724	3305.944005312987	3305.944005312987	46.9846730772509
149	379	27869	-273261.1413	1041877.3170250766	39.324622321162	-01.7698905	262587.9678091382	401734.594242514	3448.639402748248	3352.596327350724	3305.944005312987	3305.944005312987	46.9846730772509
150	379	27870	-272601.1413	1041877.3170250766	39.3248075875826	-01.7680447	262784.00551198725	401730.175124532	3435.39773734531	3352.40517750237	3307.463217803467	3307.463217803467	45.04963255029824
151	379	27871	-271941.1413	1041877.3170250766	39.3249944900373	-01.7656988	262985.0554	401726.041	3432.611764142322	3352.1863148859105	3306.973875500696	3307.463217803467	44.3821030995762
152	379	27872	-271281.1413	1041877.3170250766	39.3251809394803	-01.7633549	263186.104084351	401721.907285266	3433.50226635231	3351.889147038445	3305.48076211567	3305.48076211567	45.43240742011549
153	379	27873	-270621.1413	1041877.3170250766	39.3253663931065	-01.7610099	263387.155201916	401717.73724058	3434.3576926329026	3351.57169928939	3304.8419560251256	3304.8419560251256	47.0988483300119524
154	379	27874	-269961.1413	1041877.3170250766	39.3255547493285	-01.758665	263588.2007227478	401713.640401794	3435.283046427927	3351.076743935204	3302.73629750205	3302.73629750205	48.41809692471549
155	379	27875	-269301.1413	1041877.3170250766	39.3257357697334	-01.7563201	263789.2469922194	401709.573781862	3438.637377777777	3351.076743935204	3302.73629750205	3302.73629750205	48.41809692471549
156	379	27876	-268641.1413	1041877.3170250766	39.32592200714376	-01.7539805	263992.9642985224	401705.17447061	3438.637377777777	3351.076743935204	3302.73629750205	3302.73629750205	48.41809692471549
157	379	27877	-267981.1413	1041877.3170250766	39.3261063915022	-01.7516302	264191.343337617	401701.241968574	3435.27073264873	3349.38534462084	3306.641444565463	3306.641444565463	47.7446000562749
158	379	27878	-267321.1413	1041877.3170250766	39.3262901228656	-01.7492852	264392.39120423933	401697.109020061	3438.716637	3349.621517469547	3304.87576206287	3304.87576206287	45.85889656784725
159	379	27879	-266661.1413	1041877.3170250766	39.3264734012145	-01.7469403	264593.438243623	401689.573734331	3462.91533339636	3348.020341877853	3302.59739134969	3302.59739134969	45.5436248311636
160	379	27880	-266001.1413	1041877.3170250766	39.32665266391	-01.7445954	264794.4851057785	401688.94583005	3454.735953339625	3347.246833638665	3300.133924165466	3300.133924165466	46.9750321042568
161	379	27881	-265341.1413	1041877.3170250766	39.32683839895786	-01.7422504	264995.5317291474	401684.713336317	3448.590730158877	3346.547302318125	3287.25467628889	3287.25467628889	48.746339245470394
162	379	27882	-264681.1413	1041877.3170250766	39.327025128205	-01.7399805	265196.5780951786	401679.84224214	3448.590730158877	3346.547302318125	3287.25467628889	3287.25467628889	48.746339245470394
163	379	27883	-264021.1413	1041877.3170250766	39.3272101984581	-01.7375265	265397.8242	401674.1520496	3448.590730158877	3346.547302318125	3287.25467628889	3287.25467628889	48.746339245470394
164	379	27884	-263361.1413	1041877.3170250766	39.32738299781896	-01.7352156	265598.6706249387	401672.303217221	3447.087801	3343.8986954418006	3278.845977172455	3278.845977172455	47.64601294908755
165	379	27885	-262701.1413	1041877.3170250766	39.327565580731	-01.7328706	265799.715729889	401668.18922818	3445.8781867832	3342.726961765435	3274.993403	3274.993403	46.80146603928735
166	379	27886	-262041.1413	1041877.3170250766	39.3277346553104	-01.7305257	266000.76113222213	401664.059167264	3464.070556182955	3342.1047554875	3342.79184533323	3342.79184533323	46.80146603928735
167	379	27887	-261381.1413	1041877.3170250766	39.3279233195305	-01.7281807	266201.808203589	401659.92895057	3464.070556182955	3342.1047554875	3342.79184533323	3342.79184533323	46.80146603928735
168	379	27888	-260721.1413	1041877.3170250766	39.328102507329	-01.7258358	266402.851279508	401655.7897285	3473.943270763925	3340.26264682564	3289.140540605124	3289.140540605124	47.121408116102
169	379	27889	-260061.1413	1041877.3170250766	39.328289123976	-01.7235905	266603.9642985224	401651.343333333	3473.943270763925	3340.26264682564	3289.140540605124	3289.140540605124	47.121408116102
170	379	27890	-259401.1413	1041877.3170250766	39.32848596	-01.7211459	266804.8050520565	401647.533734155	3465.4457432677	3338.31624820565	3304.896512315198	3304.896512315198	47.60917160469
171	379	27891	-258741.1413	1041877.3170250766	39.32868374062304	-01.7188009	267005.984734965	401643.014720075	3482.213549270673	3337.427140310564	3302.872851628934	3302.872851628934	47.9999718766417
172	379	27892	-258081.1413	1041877.3170250766	39.32887149753584	-01.716456	267207.028812174	401639.281449403	3479.99704787136	3336.46338004304	3261.15810348576	3261.15810348576	47.9999718766417
173	379	27893	-257421.1413	1041877.3170250766	39.3289917314572	-01.714111	267408.072621577	401635.12655659	3477.7823034831	3335.490123821077	3259.610226810664	3259.610226810664	47.9999718766417
174	379	27894	-256761.1413	1041877.3170250766	39.3291687145522	-01.711766	267608.1160217986	401631.024102581	3475.56675950249	3334.50897717842	3257.76352639254	3257.76352639254	48.0711565262115
175	379	27895	-256101.1413										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevKgr.f	SatHtLog.f	SatHtBoth.f
253	379	279973	-204621.1413	1041877.3170250766	39.73617880680566	-101.525611	283490.8527186105	4401305.623	347.2244543780726	3244.9368040406447	3148.5625439425594	3142.7291924653523	63.2429609808532	102.2076457592941
254	379	279974	-203961.1413	1041877.3170250766	39.7341189140480506	-101.524168	283491.8786319351	4401301.514	347.3320074457926	3243.542432738931	3148.5200315317385	3141.913718	66.2229920719266	101.63023604417063
255	379	279975	-203301.1413	1041877.3170250766	39.73413688363714	-101.524168	283492.0403393438	4401297.404	348.7181843717008	3242.1201747527558	3148.1478232510373	3140.818827561758	69.8728455103773	101.34012717801459
256	379	279976	-202641.1413	1041877.3170250766	39.73420981708987	-101.5194758	283493.02983126466	4401295.3034111	3467.38296157419	3240.669610576956	3142.2329686	3147.352592892779	69.8728455103773	101.34012717801459
257	379	279977	-201981.1413	1041877.3170250766	39.73423271	-101.5171308	28424.95511116076	4401289.186552082	3466.047178592133	3239.19076088258	3141.275238336373	3137.9486387546842	67.9153777546842	101.2420678149649
258	379	279978	-201321.1413	1041877.3170250766	39.73423734805319	-101.5147858	284495.9802	4401285.078038199	3464.71258937219	3237.6842687906757	3139.264367875986	3137.361108611753	68.41990091438974	101.2420678149649
259	379	279979	-200661.1413	1041877.3170250766	39.73425134557812	-101.5124407	284689.05050371273	4401280.96762454	3463.840169016893	3236.1501676463577	3137.2241667245785	3134.004239520111	68.9260092177918	102.1457755862784
260	379	279980	-200001.1413	1041877.3170250766	39.73426550779845	-101.5100957	284888.02968077845	4401278.961724838	3463.41499659474	3234.588291300787	3135.1576996037857	3132.712124904804	69.493991697105	102.37171788103765
261	379	279981	-199341.1413	1041877.3170250766	39.7342786944714144	-101.5077596	285099.0541164895	4401274.74919	3463.022467177197	3232.986627533048	3133.0623910886394	3130.294215527105	69.8623644441104	102.70402598032887
262	379	279982	-198681.1413	1041877.3170250766	39.734292466325215	-101.5054056	285200.078337529	4401268.456393692	3462.6154925774654	3231.381265926992	3133.0936039485514	3129.2810942542674	69.452305780178	102.10017537270687
263	379	279983	-198021.1413	1041877.3170250766	39.73430606293158	-101.5036065	285501.1023362629	4401264.539040688	3461.12841562301653	3229.736892413653	3128.8472921985613	3127.289674140264	69.452305780178	102.10017537270687
264	379	279984	-197361.1413	1041877.3170250766	39.73431965363264	-101.5007155	285702.1265114154	4401260.34195511	3458.567261071413	3228.064428418736	3126.650597005249	3125.4976116390767	69.452305780178	102.10017537270687
265	379	279985	-196701.1413	1041877.3170250766	39.73433179330186	-101.4983704	285903.149742847	4401256.32034283	3456.006106499585	3226.369079588837	3124.4831289263468	3123.485876032391	69.452305780178	102.10017537270687
266	379	279986	-196041.1413	1041877.3170250766	39.7343466572238	-101.4960254	286103.171232632	4401252.21849418	3453.444951669973	3224.657951699795	3122.3594654748076	3121.5225261915766	69.452305780178	102.10017537270687
267	379	279987	-195381.1413	1041877.3170250766	39.734356009	-101.4936803	286305.1952942847	4401248.112128491	3451.2611539168576	3222.92942230809	3120.30211146351	3119.59530886269	69.452305780178	102.10017537270687
268	379	279988	-194721.1413	1041877.3170250766	39.73437348459229	-101.4913533	286506.2159253535	4401244.05096528	3449.4547426231313	3221.1854493496312	3118.39410292545	3117.765028	69.452305780178	102.10017537270687
269	379	279989	-194061.1413	1041877.3170250766	39.73438682907014	-101.4889902	286707.24200772517	4401239.900100821	3447.648321	3219.48226969238	3116.685571678594	3116.15078179957	69.452305780178	102.10017537270687
270	379	279990	-193401.1413	1041877.3170250766	39.734400128243045	-101.4866452	286908.264596573	4401235.79444007	3445.841003056416	3217.6509059149003	3115.013209945184	3114.5851416991827	69.452305780178	102.10017537270687
271	379	279991	-192741.1413	1041877.3170250766	39.73441338211108	-101.4843001	287109.268682904	4401231.68902538	3444.1548696271	3215.8798729908	3113.6190965705355	3113.19642	69.452305780178	102.10017537270687
272	379	279992	-192081.1413	1041877.3170250766	39.7344266109067417	-101.481955	287310.3060072266	4401227.38344681	3442.02793482853	3214.092734282853	3112.372149518847	3111.92384286265	69.452305780178	102.10017537270687
273	379	279993	-191421.1413	1041877.3170250766	39.73443937332364	-101.47961	287511.3002822776	4401223.478902038	3442.32587255707	3212.29939277313	3111.10801877139	3110.72346664684	69.452305780178	102.10017537270687
274	379	279994	-190761.1413	1041877.3170250766	39.73445287188555	-101.4772469	287712.35252991873	4401219.37419046	3441.27614042569	3210.5017418849	3108.830491913596	3108.529954257108	69.452305780178	102.10017537270687
275	379	279995	-190101.1413	1041877.3170250766	39.73446594451887	-101.47489	287919.4887584198	4401215.928073075	3440.02427111894	3208.56718892217	3107.56897866956	3107.38289113047	69.452305780178	102.10017537270687
276	379	279996	-189441.1413	1041877.3170250766	39.73447871876595	-101.4725748	288114.39541936904	4401211.15502175	3437.761873227216	3206.900894796549	3107.383015511426	3106.71962754509	69.452305780178	102.10017537270687
277	379	279997	-188781.1413	1041877.3170250766	39.7344919381512	-101.4702298	288315.416025101	4401207.061151558	3435.7687846	3205.10108557953	3106.4681280375697	3105.17210521494	69.452305780178	102.10017537270687
278	379	279998	-188121.1413	1041877.3170250766	39.7345048906482	-101.4678847	288516.4374	4401202.95758028	3433.773814572406	3203.305721955524	3105.730249091547	3104.633702774874	69.452305780178	102.10017537270687
279	379	279999	-187461.1413	1041877.3170250766	39.734517782076196	-101.4655396	288717.854242426	4401218.8542426	3431.014810198485	3201.54810198485	3104.95792498387	3104.03436690114	69.452305780178	102.10017537270687
280	379	280000	-186801.1413	1041877.3170250766	39.7345305	-101.4631394	288918.478051866	4401194.750967061	3429.14188869477	3199.72587754432	3104.194996012336	3104.043992273006	69.452305780178	102.10017537270687
281	379	280001	-186141.1413	1041877.3170250766	39.73454342911887	-101.4608495	289119.4887584198	4401190.468495	3427.381457873158	3197.95671391158	3103.972486462468	3103.972486462468	69.452305780178	102.10017537270687
282	379	280002	-185481.1413	1041877.3170250766	39.73455618452945	-101.4585044	289325.5189048051	4401185.4512813	3425.101791455234	3196.1770814771244	3103.962977135774	3103.962977135774	69.452305780178	102.10017537270687
283	379	280003	-184821.1413	1041877.3170250766	39.73456884736846	-101.4561594	289521.536845946	4401182.442565325	3416.770163440774	3194.4126007412106	3103.957390344734	3103.957390344734	69.452305780178	102.10017537270687
284	379	280004	-184161.1413	1041877.3170250766	39.73458155963902	-101.4538143	289722.56277886	4401178.34020455	3414.652248813929	3192.6542248813929	3103.94273279514164	3103.94273279514164	69.452305780178	102.10017537270687
285	379	280005	-183501.1413	1041877.3170250766	39.734594818	-101.4514692	289923.577049351	4401174.23815525	3412.654603252471	3190.901852318423	3098.806236732371	3098.806236732371	69.452305780178	102.10017537270687
286	379	280006	-182841.1413	1041877.3170250766	39.734606753527665	-101.4491242	290124.59692594537	4401170.136304513	3410.86108762825	3189.1052719519547	3097.55645896211	3095.62529898385	69.452305780178	102.10017537270687
287	379	280007	-182181.1413	1041877.3170250766	39.73461926251075	-101.4467791	290325.61594112427	4401166.04389422	3408.27776936935	3187.409712862205	3096.3473796505187	3095.254368587	69.452305780178	102.10017537270687
288	379	280008	-181521.1413	1041877.3170250766	39.73463176021033	-101.444424	290526.5348509046	4401161.933381917	3406.02427111894	3185.571558298515	3094.9187117041	3094.9187117041	69.452305780178	102.10017537270687
289	379	280009	-180861.1413	1041877.3170250766	39.73464402547711	-101.442089	290727.65345473867	4401157.832	3403.77059686526	3183.98319268849	3093.842846673123	3093.842846673123	69.452305780178	102.10017537270687
290	379	280010	-180201.1413	1041877.3170250766	39.7346569764746	-101.4397438	290928.6718536597	4401153.31285258	3401.3063125500223	3182.210580250223	3091.60991312101	3091.60991312101	69.452305780178	102.10017537270687
291	379	280011	-179541.1413	1041877.3170250766	39.73466954412444	-101.4373988	291129.690475644	4401149.63062025	3400.165257072582	3180.49068638615	3090.219495186956	3090.219495186956	69.452305780178	102.10017537270687
292	379	280012	-178881.1413	1041877.3170250766	39.734681247872025	-101.4350537	291330.7803669107	4401145.53024399	3400.430621881386	3178.77894388625	3088.542162880526	3088.542162880526	69.452305780178	102.10017537270687
293	379	280013	-178221.1413	1041877.3170250766	39.734693935026165	-101.4327087	291531.728212123	4401141.40302642	3400.709603	3177.079346041317	3086.972465419913	3086.972465419913	69.452305780178	102.10017537270687
294	379	280014	-177561.1413	1041877.3170250766	39.734705716874856	-101.4303636	291732.743013477	4401137.30047476	3398.95143499937	3175.9309426811	3085.9254999474	3085.9254999474	69.452305780178	102.10017537270687
295	379	280015	-176901.1413	1041877.3170250766	39.73471863410133	-101.428012	291939.89046515	4401133.0936197	3396.92427111894	3174.851558298515	3084.9187117041	3084.9187117041	69.452305780178	102.10017537270687
296	379	280016	-176241.1413	1041877.3170250766	39.734730540655795	-101.4257635	292134.77942809	4401129.13096511	3394.97148930971	3172.071589215438	3082.426918245827	3082.426918245827		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
379	379	280099	-121461.1413	1041777.3170250766	36.75587813	-101.2310297	008818.51274705236	4007089.70306291	3238.181623415988	3040.0088275121269	2994.991489329376	2993.647750538827	40.05478919189276	46.359097803424182
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatThBothKrg.ft
505	379	280225	-3801.14133	104177.7310250766	39.2626908483688	-00.9355399	334143.2095834422	4400277.549	3035.7579992298843	2880.8057549195173	2852.9409518959596	2853.9978946275787	27.8648032355767
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534	379	280254	-1916.14133	104177.7310250766	39.263263734325	-00.8674297	339971.533392337	4400160.29304212	2991.3630458174	2825.7937045121074	2800.7747197125074	2800.7747197125074	25.519335710063
535	379	280255	-1850.14133	104177.7310250766	39.2632757651131	-00.8651846	340172.5846782794	4400156.12202805	2991.475844082683	2820.528718286247	2796.330911727139	2795.93575284175	26.5891805782958
536	379	280256	-1784.14133	104177.7310250766	39.263282395052	-00.8628394	340374.3482	4400152.117099055	2990.8771455616693	2817.7714556176693	2795.07240800949	2794.236901786913	25.74450484706756
537	379	280257	-1718.14133	104177.7310250766	39.2633002608115	-00.8604942	340574.505689413	4400148.075211143	2990.16947244612	2814.9977459725087	2793.789973054871	2792.983748502326	25.2077291763712
538	379	280258	-1652.14133	104177.7310250766	39.2633118290312	-00.858149	340775.429394702	4400144.03	2990.46629325577	2812.20887336587	2792.6961984040497	2791.85477259105	25.30415077739405
539	379	280259	-1586.14133	104177.7310250766	39.263322444781	-00.8558938	340976.403655341	4400139.99148255	2990.762530438957	2809.40708300516	2791.054123867118	2791.054123867118	25.45269933398166
540	379	280260	-1520.14133	104177.7310250766	39.26333396819884	-00.8534547	341177.3772295814	4400135.94842387	2991.05156975651	2808.54429202018	2790.4743872002018	2790.4743872002018	25.5506526039198
541	379	280261	-1454.14133	104177.7310250766	39.2633435181725	-00.8511133	341378.3506371279	4400131.90801778	2991.357809144674	2803.746791044674	2790.149639456998	2790.149639456998	25.6529557465288
542	379	280262	-1388.14133	104177.7310250766	39.2633535710467	-00.848763	341579.3238905675	4400127.9680809691	2990.64950130166	2800.944665441694	2788.60418264951	2788.423828993375	25.8232894655404
543	379	280263	-1322.14133	104177.7310250766	39.263362783347	-00.8464231	341780.2907059054	4400123.283688933	2988.050470706697	2800.132665895337	2787.3234880260015	2787.3234880260015	25.70120189129485
544	379	280264	-1256.14133	104177.7310250766	39.263373172353615	-00.844078	341981.27	4400119.74859241	2987.565656880338	2792.49538588167	2786.234280406703	2786.53719306651	25.85162802082694
545	379	280265	-1190.14133	104177.7310250766	39.2633830101551	-00.8417328	342182.1246933916	4400115.79509251	2987.0672597781554	2792.457977181554	2785.0953470839945	2785.0953470839945	25.78530975959304
546	379	280266	-1124.14133	104177.7310250766	39.2633880638834	-00.8393676	342383.2515133848	4400111.70435297	2986.58884148173	2789.6251921955004	2784.2549136410074	2784.2549136410074	25.74509645039307
547	379	280267	-1058.14133	104177.7310250766	39.2633983364115	-00.8369817	342584.3506371279	4400107.64250424	2985.87435813125	2788.4358913125	2783.386839919391	2783.386839919391	25.6529557465288
548	379	280268	-991.141327	104177.7310250766	39.2634059174935	-00.8346672	342785.1603571007	4400103.61405424	2985.4454368477	2787.730633036727	2781.13871760785	2781.13871760785	25.4767309453267
549	379	280269	-926.141327	104177.7310250766	39.26340917574935	-00.832352	342986.132551014	4400099.584692677	2984.19765688757	2781.13868384382	2778.7407465005354	2780.364736277626	25.39617338466324
550	379	280270	-860.141327	104177.7310250766	39.2634133069317	-00.8300069	343187.104593425	4400095.5462624	2982.898478089923	2778.317076954214	2779.086499045497	2778.9384671314548	0
551	379	280271	-794.141327	104177.7310250766	39.2634208050275	-00.8278617	343388.0746844761	4400091.50637241	2980.394336	2775.505062	2777.647065049274	2777.537358	0
552	379	280272	-728.141327	104177.7310250766	39.263426103366	-00.8253165	343589.048243295	4400087.46788997	2982.69115100528	2772.70265367268	2776.599736444765	2776.43239883473	0
553	379	280273	-662.141327	104177.7310250766</									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
631	379	280351	44858.8586730335	1041877.310250766	39.7624072328404	-100.6400474	559465.3557286414	4399769.142530047	2656.3860537303467	2622.095645729179	2622.074282	2622.085304771505	10213386031289247	1.0103409576407887
632	379	280352	45118.8586730335	1041877.310250766	39.762627109678	-100.6377022	559666.65007184338	4399765.122517692	2657.504179600798211	2622.562168194722	2617.50417963314	2617.4640812383095	10086096541237046	0.969096541237046
633	379	280353	44818.8586730335	1041877.310250766	39.762624472601616	-100.637647	559687.276205761	4399781.1503	2650.943681866074	2612.26467483080764	2612.26467483080764	2612.26467483080764	73729415000616464	7.76475757171278
634	379	280354	46583.8586730335	1041877.310250766	39.7623212807963	-100.6330119	560068.23650245051	4399757.03177442	2648.22291593484943	2618.5378405349443	2607.160072701312	2606.76272000027	1135876078332319	11.775076339417453
635	379	280355	47498.8586730335	1041877.310250766	39.7622842684225	-100.6306667	560269.19617539266	4399753.06359795	2646.70184737874	2617.066995117329	2607.163019461335	2605.818621837412	11539379565957533	16.53837327991687
636	379	280356	48158.8586730335	1041877.310250766	39.7622475626316	-100.6283215	560470.15595193363	4399743.768277874	2615.636273753732	2593.9279151730666	2592.614782360405	2592.614782360405	22.98879449527235	22.98879449527235
637	379	280357	48818.8586730335	1041877.310250766	39.7622143053367	-100.6259764	560671.11559473101	4399745.02529403	2646.0513518178923	2614.184361023237	2592.2445047504034	2590.82215838066	21.93956281337237	21.93956281337237
638	379	280358	48478.8586730335	1041877.310250766	39.7621654669576	-100.6236312	560872.0751041121	4399741.073161415	2645.726935317904	2612.806580519028	2600.208219652657	2599.524767272547	12.60778353762374	12.60778353762374
639	379	280359	50138.8586730335	1041877.310250766	39.7621465714943	-100.6212186	561073.0348024268	4399736.968838026	2640.559258680266	2611.489021255407	2598.351717698276	2596.15504495405	5.139023647333943	5.139023647333943
640	379	280360	50798.8586730335	1041877.310250766	39.76211171245473	-100.6189408	561273.937233281	4399732.10779547	2657.82332482714	2610.249957125945	2610.0742454842543	2610.0742454842543	11.757182287101385	11.757182287101385
641	379	280361	51458.8586730335	1041877.310250766	39.7620766253157	-100.6165957	561474.0582333578	4399728.952879905	2665.67072082851	2609.1351902579	2612.1924347615595	2612.1924347615595	22.105874384945	22.105874384945
642	379	280362	52118.8586730335	1041877.310250766	39.7620410726006	-100.6142505	561675.918111897	4399724.935214955	2673.7113118035965	2608.093651543863	2613.443392321063	2613.650436904407	16.1350436904407	16.1350436904407
643	379	280363	52778.8586730335	1041877.310250766	39.762005068014	-100.6119053	561876.8706551385	4399720.971776829	2685.9027802462587	2607.260969738942	2614.292302871106	2614.292302871106	20.950029052347	20.950029052347
644	379	280364	53438.8586730335	1041877.310250766	39.7619686079186	-100.6095602	562077.8236934615	4399716.901	2702.239781809834	2606.4165954162145	2614.7981113611504	2614.7981113611504	25.79397693347	25.79397693347
645	379	280365	54098.8586730335	1041877.310250766	39.7619316959521	-100.6072512	562278.787950291	4399712.88305265	2715.576788935718	2605.717632935354	2615.9590140238635	2615.9590140238635	26.1673679344506	26.1673679344506
646	379	280366	54758.8586730335	1041877.310250766	39.7618914309016	-100.604869	562470.746394435	4399708.966817109	2734.917469040523	2605.068126719124	2617.526522754314	2617.526522754314	28.1813077407384	28.1813077407384
647	379	280367	55418.8586730335	1041877.310250766	39.7618565	-100.6025248	562680.7047169868	4399704.850327328	2735.551380537575	2604.531723598118	2618.627266	2618.627266	29.2662437783505	29.2662437783505
648	379	280368	56078.8586730335	1041877.310250766	39.761814215504	-100.6001795	562881.6620313215	4399700.784109075	2740.27489914746937	2604.04585369516	2621.85051019857	2620.36241923257	30.262241923257	30.262241923257
649	379	280369	56738.8586730335	1041877.310250766	39.7617795172498	-100.5978343	563082.620580889	4399696.81800647	2705.42799241269	2603.6317484308815	2603.2483228938	2625.03297901166	30.262241923257	30.262241923257
650	379	280370	57398.8586730335	1041877.310250766	39.761743038665	-100.5954891	563283.5788820019	4399692.0266227	2690.36253305248	2602.2906505515796	2626.844686279695	2626.844686279695	31.253523448915	31.253523448915
651	379	280371	58058.8586730335	1041877.310250766	39.7617007	-100.593144	563484.5867525435	4399687.76872444	2791.759599314015	2602.024138751214	2628.1938331299175	2628.1938331299175	32.26994222030804	32.26994222030804
652	379	280372	58718.8586730335	1041877.310250766	39.761660625473	-100.590788	563685.493377575	4399684.771	2708.6701001229	2602.835484804077	2627.123047988718	2632.205478359846	33.05841038046	33.05841038046
653	379	280373	59378.8586730335	1041877.310250766	39.7616214821445	-100.588435	563890.880195817	4399680.756313555	2763.22164889978	2601.86101637575	2629.345045825299	2629.345045825299	33.81778807788078	33.81778807788078
654	379	280374	60038.8586730335	1041877.310250766	39.7615790594967	-100.5861058	564087.402722259	4399675.741458295	2745.3004571458295	2602.694251111524	2633.47673276906	2636.381448474783	34.161571448474783	34.161571448474783
655	379	280375	60698.8586730335	1041877.310250766	39.76153566684	-100.5837633	564288.3665443673	4399672.72638905	2754.7052234769416	2602.7418438303045	2637.15144418134	2637.743513514244	34.2637743513514244	34.2637743513514244
656	379	280376	61358.8586730335	1041877.310250766	39.76145937601424	-100.581481	564489.323686761	4399668.712453772	2755.653045250352	2602.8674750502532	2637.7951022380803	2638.39292909387	34.36292909387	34.36292909387
657	379	280377	62018.8586730335	1041877.310250766	39.76143148444	-100.5790729	564690.280696121	4399664.698034178	2766.6131981383994	2603.071112218625	2637.8430503191903	2638.5386711935284	34.46386711935284	34.46386711935284
658	379	280378	62678.8586730335	1041877.310250766	39.761410690082	-100.5767278	564891.2375831292	4399660.84	2774.564473785426	2603.36029467148	2638.2649882769247	2638.9716895634097	34.56389716895634097	34.56389716895634097
659	379	280379	63338.8586730335	1041877.310250766	39.761367546696	-100.5743765	565092.1943707031	4399658.196707031	2783.22164889978	2603.69168211908	2638.98027388996	2637.519188066127	34.66389716895634097	34.66389716895634097
660	379	280380	63998.8586730335	1041877.310250766	39.7613236445506	-100.5720374	565293.15	4399652.6726073	2794.5279510073	2604.12160138247	2639.2543480274	2639.2543480274	34.76389716895634097	34.76389716895634097
661	379	280381	64658.8586730335	1041877.310250766	39.7612794851599	-100.5696923	565494.104597178	4399648.64409659	2786.966915491347	2604.06060699165	2632.154957265831	2633.244526898905	34.86389716895634097	34.86389716895634097
662	379	280382	65318.8586730335	1041877.310250766	39.7612348078174	-100.5673471	565695.0632795033	4399644.631073065	2787.337752913605	2605.1508019501885	2629.5804498257923	2630.73853602437	34.96389716895634097	34.96389716895634097
663	379	280383	65978.8586730335	1041877.310250766	39.7611898	-100.5650019	565896.0206075856	4399640.618331239	2787.451067967862	2605.751518428364	2628.78921098375	2628.78921098375	35.06389716895634097	35.06389716895634097
664	379	280384	66638.8586730335	1041877.310250766	39.7611442827781	-100.5626568	566096.976179078	4399636.05824112	2798.308291250803	2606.4062211046803	2625.402877336156	2625.402877336156	35.16389716895634097	35.16389716895634097
665	379	280385	67298.8586730335	1041877.310250766	39.76109803915304	-100.5603118	566297.3321636363	4399632.593516935	2771.165516318533	2607.1125367596	2622.71912785838	2623.25688888016	35.26389716895634097	35.26389716895634097
666	379	280386	67958.8586730335	1041877.310250766	39.761051824461	-100.557965	566498.880195817	4399628.196707031	2783.22164889978	2607.86101637575	2629.345045825299	2629.345045825299	35.36389716895634097	35.36389716895634097
667	379	280387	68618.8586730335	1041877.310250766	39.761005025572	-100.5556213	566699.847845642	4399624.72638905	2794.5279510073	2608.51039334943	2629.767842988	2629.767842988	35.46389716895634097	35.46389716895634097
668	379	280388	69278.8586730335	1041877.310250766	39.7609576697863	-100.5532761	566900.7993013386	4399620.551426155	2744.4007160510685	2609.473636170157	2614.188748746819	2614.188748746819	35.56389716895634097	35.56389716895634097
669	379	280389	69938.8586730335	1041877.310250766	39.7609188383374	-100.550931	567101.7548254234	4399616.54680984	2734.712275011628	2610.34826714285	2610.51818588803	2612.222927465103	35.66389716895634097	35.66389716895634097
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671	379	280391	71258.8586730335	1041877.310250766	39.7608212658356	-100.5462046	567503.6654	4399608.52485598	2728.919719240289	2612.136369803565	2608.47949798874	2608.47949798874	35.86389716895634097	35.86389716895634097
672	379	280392	71918.8586730335	1041877.310250766	39.7607638074814	-100.5438955	567764.6204874515	4399604.51258807	2731.97188950858	2613.070847444364	2608.437667799347	2603.96537130348	35.96389716895634097	35.96389716895634097
673	379	280393	72578.8586730335	1041877.310250766	39.760715404952	-100.5415841	567965.621881841	4399599.756313555	2742.42164889978	2614.02160138247	2614.02160138247	2614.02160138247	36.063897168956340	

ix	ly	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElev.Kg.f	BRIElevBoth.Kg.f	SurfThbto.B	
17	380	24479	-360831.1413	1042537.3170250766	36.73140419243738	-102.0799407	32606.5159587441	4024083.487	3666.630580394175	35.38.087781224996	3490.396449734687	3490.616363891803	47.69133538781214	47.47114823
18	380	24479	-359721.1413	1042537.3170250766	36.7314289805029	-102.0779599	32624.59753055783	4042479.3212536285	3663.4179321307189	35.36.207863567076	3489.334525186794	3489.545530830963	46.8733315827664	46.8020254712289
19	380	24479	-358961.1413	1042537.3170250766	36.73146337037461	-102.0768216	32648.6788412063	4042475.1533334145	3664.3111933176218	35.34.07161996054	3489.201272869295	3489.337161996054	45.1317035458249	44.995042147438
20	380	24480	-358401.1413	1042537.3170250766	36.73147820334039	-102.0729063	32666.7589094066	4042470.98993517	3654.310321864226	35.32.432236225219	3488.134083251724	3488.272902331744	44.32814937124658	44.189330308529134
21	380	24481	-357741.1413	1042537.3170250766	36.731502783004454	-102.0705614	32685.80476873384	4042466.824272963	3649.3049843	35.30.5965677625607	3487.180496821073	3487.313836117203	43.41515791448836	43.281247143357656
22	380	24482	-357081.1413	1042537.3170250766	36.731527317404165	-102.0682166	32705.91212082263	4042462.659309328	3528.732630549499	3486.373850807714	3486.495101117933	3486.495101117933	42.32732968357674	42.32732968357674
23	380	24483	-356421.1413	1042537.3170250766	36.73155186058067	-102.0658718	32725.03147627934	4042458.05415127	3643.340918135406	35.28.627891988827	3485.74852510404	3485.8052817870476	41.12431671847468	41.022413815412165
24	380	24484	-355671.1413	1042537.3170250766	36.73157503312415	-102.063527	32745.40814842007	4042454.32945407	3646.400625492359	35.25.01576293293	3486.030520461036	3486.1808573731205	38.94882462556016	38.83445550471265
25	380	24485	-355101.1413	1042537.3170250766	36.7315970006	-102.0611622	32765.5116221793	4042450.165	3648.471589155914	35.22.163656363234	3485.97090036928	3485.75453938956	37.1894662789956	37.38505475029124
26	380	24486	-354441.1413	1042537.3170250766	36.73162501023445	-102.0588374	32785.6247204744	4042446.0077549	3652.536924045584	35.21.307252212922	3485.75763889893	3485.75453938956	35.54961324239937	35.3616761902445
27	380	24487	-353781.1413	1042537.3170250766	36.7316493094673	-102.0564928	32805.73194823076	4042441.83679083	3657.902193211189	35.19.45582011848	3485.98622118878	3486.0002449125204	33.4695928289697	33.4558018832752
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29	380	24489	-352461.1413	1042537.3170250766	36.7316977	-102.0518029	32845.9477629054	4042433.50955746	3673.233235202556	35.15.75730819883	3487.236423113762	3487.236423113762	28.4345929998698	28.4345929998698
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32	380	24492	-350481.1413	1042537.3170250766	36.73177017701194	-102.044784	32906.2123071614	4042421.02	3702.840316523306	35.10.125714833156	3488.824524268916	3487.12050246284	23.342625026437	23.10512279
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46	380	24506	-341241.1413	1042537.3170250766	36.73210255380871	-102.0119407	33187.7763331719	4042357.925	3680.230413343424	3484.359824671166	3453.6254376156	3453.6254376156	20.97102303470717	20.97102303470717
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59	380	24519	-332661.1413	1042537.3170250766	36.7323963103863	-101.9815784	33291.78163871	4042307.783458455	3579.37832165847	3454.16787484845	3434.74683165407	3434.74683165407	20.441467778312038	20.441467778312038
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61	380	24521	-331341.1413	1042537.317025										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatHtKLog.ft	SatHtBoth.ft
133	380	280603	-277221.1413	1042537.3170250766	36.73461162961619	-101.7844838	36180.80487960258	4401960.422327286	3473.386977107563	3350.392577622197	3303.9081993209441	3304.0508908087653	48.448468297256626	45.3416753342328
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148	380	280608	-273921.1413	1042537.3170250766	36.7342561581885	-101.7727589	362386.0530891921	401939.765	3448.61314973597	3351.5249517864013	3305.1734628899347	3305.500451962965	46.369488996416	46.40249962108814
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162	380	280622	-264681.1413	1042537.3170250766	36.73451503	-101.739929	365200.7261464406	401880.90325439	3437.572935017730	3344.7071452473035	3284.96553	3286.29633621697	58.5471901205684	58.3911388
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169	380	280629	-260061.1413	1042537.3170250766	36.7346411103097	-101.7235139	366608.0368662607	401846.81933311534	3480.861933311534	3338.428024725296	3267.387687924394	3266.88190712433	71.0449254779017	71.751417006929
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171	380	280631	-258741.1413	1042537.3170250766	36.734676724892725	-101.7194289	367047.426363107	401844.732645972	3488.571232454592	3336.58510862262	3259.465511751924	3259.465511751924	73.1942607680373	69.696862799385
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179	380	280639	-253461.1413	1042537.3170250766	36.7348173144901	-101.700037	368618.4688245474	401811.69906831	3482.921925783398	3328.837489680327	3255.1051463142233	3255.41409486271	72.225491941816	
180	380	280640	-252801.1413	1042537.3170250766	36.73483474839515	-101.6977187	368815.510761675	401807.571725496	3482.65323136213	3327.59939939239	3249.845416912999	3252.671861720317	73.9739748624004	74.92735492720749
181	380	280641	-252141.1413	1042537.3170250766	36.734852080037896	-101.6953737	369020.525109834	401803.429604932	3482.7426951487	3326.55655	3249.845416912999	3252.671861720317	73.9739748624004	74.92735492720749
182	380	280642	-251481.1413	1042537.3170250766	36.7348693637722	-101.6930287	369221.594012808	401799.31771611	3482.0953078929615	3325.508334738864	3246.965509	3250.209919139158	75.4822528269232	75.296423269232
183	380	280643	-250821.1413	1042537.3170250766	36.734886607413095	-101.6906836	369423.632873384	401795.791153048	3483.34914940275	3324.458407772719	3245.4867505548516	3249.123574727499	76.986105226332	75.3512980471586
184	380	280644	-250161.1413	1042537.3170250766	36.73490380314549	-101.6883396	369628.6763347848	401795.791153048	3486.13344038165	3323.394417290494	3245.4867505548516	3249.123574727499	76.986105226332	75.3512980471586
185	380	280645	-249501.1413	1042537.3170250766	36.7349210380314549	-101.6860936	369828.6763347848	401795.791153048	3489.421925783398	3322.47210152106274	3245.4867505548516	3249.123574727499	76.986105226332	75.3512980471586
186	380	280646	-248841.1413	1042537.3170250766	36.73493830589998	-101.6838405	370025.7577492445	401782.817307871	3491.709083326404	3321.489004918045	3245.4867505548516	3249.123574727499	76.986105226332	75.3512980471586
187	380	280647	-248181.1413	1042537.3170250766	36.73495511852142	-101.6813035								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
269	280728	-194061.1413	1042537.3170250766	39.76199852835014	-101.4890074	286711.3574542518	4041041.1949893225	3448.588054401899	3218.6938989	3117.174971890952	3116.6938838839183	310.15817166263825	101.99980463378183	
270	280730	-194041.1413	1042537.3170250766	39.7621315	-101.4866623	286912.3797446717	404137.089	3447.0192013235854	3216.9109213235854	3115.476652636007	3115.075325090478	101.8310736257631	101.8310736257631	
271	280731	-192781.1413	1042537.3170250766	39.762304566328	-101.4843172	287133.4019594435	404182.83413131	3445.4284845164897	3215.118473934584	3113.98234869432	3113.98234869432	101.118241120071272	101.118241120071272	
272	280732	-192081.1413	1042537.3170250766	39.762391546833	-101.4819121	287416.8327143237	404128.87027383	3443.6169899739027	3213.9191011522404	3112.7665311561238	3112.36333222644	100.6535799961166	100.9626732997601	
273	280733	-191421.1413	1042537.3170250766	39.7626257906724	-101.479627	287515.4453361947	404126.7789586	3442.205148442993	3213.9142863398473	3111.3702481791693	3111.0622369732464	100.1440381677347	100.1440381677347	
274	280734	-190761.1413	1042537.3170250766	39.7626589736002	-101.4772819	287716.46681714966	404140.62770543	3440.5932970526554	3209.706143617913	3110.0982514510356	3110.094799802586	99.60791201750556	100.0540345591035	
275	280735	-190101.1413	1042537.3170250766	39.762789034663	-101.4749386	287917.4881	404116.56239943	3438.77589972143	3207.866532176367	3108.867047641886	3108.36659066875	99.02905503434807	99.5295961	
276	280736	-189441.1413	1042537.3170250766	39.762919860276	-101.4725916	288118.5091027571	404142.58866621	3436.7274403375995	3206.087248	3107.7080112320633	3106.937629571768	99.273526037668	99.1496177828367	
277	280737	-188781.1413	1042537.3170250766	39.7630498040129	-101.4702465	288319.528632665	404168.354871901	3434.72595436354	3204.27989186927	3106.688136992792	3105.262371534425	97.58185170559623	97.58185170559623	
278	280738	-188121.1413	1042537.3170250766	39.7631791746925	-101.4679014	288520.5505568129	404104.2507152593	3432.750593	3202.47528187936	3105.741713344475	3103.61403186181	96.7538181224347	96.8627209551728	
279	280739	-187461.1413	1042537.3170250766	39.7633308923099	-101.4655653	288721.5709752407	404104.14696984	3428.88685380304	3200.872086441120	3104.810026947242	3103.88230862445	95.818169695921	95.78487718165643	
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282	280742	-185481.1413	1042537.3170250766	39.7636291267834	-101.4585209	289324.3607669996	4041387.43727061	3419.045345634824	3195.3212853971492	3101.654709445696	3096.34360169726	93.662595285324	98.9764738045023	
283	280743	-184821.1413	1042537.3170250766	39.76368193231475	-101.4561758	289525.6506647439	4041387.33405011	3416.2771665034816	3193.5521757343497	3100.598285148509	3093.9536241139085	92.9528909	98.95855162092617	
284	280744	-184161.1413	1042537.3170250766	39.76376345884482	-101.4538307	289726.669461741	4041379.631977399	3414.354468994954	3191.791540797929	3099.4952050124693	3091.924786262215	92.296354854597	98.8680124	
285	280745	-183501.1413	1042537.3170250766	39.76384072083642	-101.451485	289927.6891213669	4041375.526967808	3412.431717486503	3189.0307228048349	3098.275494319094	3098.367815762006	91.6737372925466	100.6737372925466	
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288	280748	-181521.1413	1042537.3170250766	39.764148	-101.444502	290530.3515115134	4041367.32246087	3407.726343476289	3184.803337225694	3094.354153357824	3081.113819322103	90.49608036474259	103.6904144004623	
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290	280750	-180201.1413	1042537.3170250766	39.76464962835959	-101.439759	290932.7802101919	4041355.02181051	3405.297835858586	3181.340016749555	3091.256734156707	3075.8310545515	90.0832265924826	101.593112404414	
291	280751	-179541.1413	1042537.3170250766	39.764935907683	-101.437418	291133.798932067	4041350.39049158	3404.725433909158	3179.581275431688	3089.758019384594	3074.982193583458	89.92890175309	101.493268367952	
292	280752	-178881.1413	1042537.3170250766	39.7649427925836	-101.435069	291334.817690324	4041346.82	3401.81505914817	3177.902453051655	3088.291064714543	3072.91786172815	89.6113883422238	104.9845912743035	
293	280753	-178221.1413	1042537.3170250766	39.7650036372881	-101.4327245	291535.8320235056	4041327.71994517	3399.893428458277	3176.197725254792	3086.851593	3072.452948868254	89.3461396	103.744736810361	
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295	280755	-176901.1413	1042537.3170250766	39.76530915752795	-101.4280342	291937.8667556924	4041334.51988620	3395.443917795486	3172.80273	3084.795641803657	3069.337111969827	88.75116026	102.5685324831713	
296	280756	-176241.1413	1042537.3170250766	39.7654303730427	-101.4256891	292138.8869577194	4041330.420275809	3392.287136623877	3171.17253619976	3082.8203316624856	3068.128645498498	88.3022045171038	102.4594486034652	
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298	280758	-174921.1413	1042537.3170250766	39.7656706787308	-101.420998	292540.9198251007	4041312.22	3385.973574276534	3167.918131	3078.937193300767	3068.831571309613	87.9218193083547	98.018749494317	
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303	280763	-171621.1413	1042537.3170250766	39.7662661957582	-101.4092731	293545.9995434395	4041309.17895899	3365.634572	3160.27740090433	3074.803872157152	3073.72780423346	85.4733825258093	98.0399548986681	
304	280764	-170961.1413	1042537.3170250766	39.7663759677638	-101.406928	293747.043302167	4041297.617844	3362.724277695891	3158.82306123075	3073.175376979234	3072.849518151536	85.2682142572392	98.0399548986681	
305	280765	-170301.1413	1042537.3170250766	39.766500924362	-101.4045829	293948.0297311442	4041293.53990487	3359.487070424175	3157.1071481761217	3072.409770424175	3072.130003	85.0378089137583	97.776898264966	
306	280766	-169641.1413	1042537.3170250766	39.7666176094895	-101.4022377	294149.044624929	4041289.43596927	3356.903970271038	3156.00446699223	3072.31301442325	3065.634611882794	86.914502169972	90.1698582	
307	280767	-168981.1413	1042537.3170250766	39.7667338124342	-101.3998926	294350.05931517435	4041289.35937119	3352.158886282035	3154.612412500406	3065.1481589504226	3064.68467681077	86.914502169972	90.1698582	
308	280768	-168321.1413	1042537.3170250766	39.7668496	-101.3975474	294551.0738033695	4041281.24273254	3345.578852184937	3153.29022818276	3063.279785172166	3061.8866392112486	86.914502169972	90.1698582	
309	280769	-167661.1413	1042537.3170250766	39.7669649455595	-101.3952023	294752.0889126925	4041277.147155525	3338.9981879551315	3151.851230074153	3061.705012351268	3060.937731518618	86.914502169972	90.1698582	
310	280770	-167001.1413	1042537.3170250766	39.7670708181119	-101.3928571	294953.1021775954	4041273.04981632	3332.4187839789343	3150.4752421437424	3060.5037656919927	3060.070737934427	86.914502169972	90.1698582	
311	280771	-166341.1413	1042537.3170250766	39.7671824891485	-101.3904718	295149.16320514287	4041268.2679698	3332.174477032591	3149.254891820967	3059.254891820967	3059.254891820967	86.914502169972	90.1698582	
312	280772	-165681.1413	1042537.3170250766	39.7673004911845	-101.388168	295355.1297478306	4041264.85765254	3328.4187839789343	3147.7914881761217	3058.484734324627	3058.228551624226	86.914502169972	90.1698582	
313	280773	-165021.1413	1042537.3170250766	39.7674217173581	-101.3858217	295556.143232166	4041260.76227411	3328.1355869969434	3146.35762130606	3057.648538839279	3057.426273796325	86.914502169972	90.1698582	
314	280774	-164361.1413	1042537.3170250766	39.7675347776321	-101.3834766	295757.15651624376	4041257.6668401435	3327.73831068307754	3145.4070582929	3056.8042447127	3056.59742850			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	SatHtElev.f	SatHtBoth.f
395	390	280855	-110901.1413	1042537.3170250766	39.737518799304894	-101.1935174	131028.5866418804	4009025.729780508	3184.6910040195717	2985.709018095279	2985.7347631051466	2966.5035431449232	9374254990132522	29.205474093055892
396	390	280856	-110241.1413	1042537.3170250766	39.73752639006496	-101.1911722	131239.5840276354	4009021.653732346	3184.44435983174	2993.0871205707804	2981.5125078192474	2964.694517373359	9374254990132522	29.205474093055892
397	390	280857	-106861.1413	1042537.3170250766	39.73753395555682	-101.188827	131424.6168951544	4009017.578033048	3174.487974967768	2990.478489787297	2977.08496935815	2964.578776868032	9374254990132522	29.205474093055892
398	390	280858	-108921.1413	1042537.3170250766	39.73754143571834	-101.196418	131269.5787888428	4009013.5027730382	3168.9153	2967.866831427559	2974.079512427497	2964.855352579005	9374254990132522	29.205474093055892
399	390	280859	-108261.1413	1042537.3170250766	39.73754880057723	-101.1841366	131284.5758054517	4009009.4247567262	3166.061284754534	2985.319005767517	2970.1832764602387	2963.933174010113	9374254990132522	29.205474093055892
400	390	280860	-107601.1413	1042537.3170250766	39.73755630017247	-101.187914	131304.5726355014	4009005.325612342	3155.35136419967	2982.766283037875	2967.308482017121	2960.181320701283	9374254990132522	29.205474093055892
401	390	280861	-106941.1413	1042537.3170250766	39.73756326454056	-101.1794462	131324.5669913423	4009001.27789511	3148.033578084246	2980.232566840044	2963.613249	2957.93507	9374254990132522	29.205474093055892
402	390	280862	-106281.1413	1042537.3170250766	39.73757098328196	-101.177101	131345.5657610338	4008997.203411062	3140.715803975085	2977.712511401162	2969.905175609217	2955.281356665247	9374254990132522	29.205474093055892
403	390	280863	-105621.1413	1042537.3170250766	39.737576256981166	-101.174558	131366.5620483846	4008983.129164181	3135.106651407855	2975.228485356172	2966.11578415473	2952.033737891011	9374254990132522	29.205474093055892
404	390	280864	-104961.1413	1042537.3170250766	39.73758248521166	-101.1724106	131387.5581549491	4008980.05154472	3119.206211105736	2972.77602704885	2950.433591563163	2949.23842179529	9374254990132522	29.205474093055892
405	390	280865	-104301.1413	1042537.3170250766	39.7375896281344	-101.170654	131408.5540758714	4008973.381919155	3107.305590803873	2970.361589920537	2947.673047886266	2942.622050132128	9374254990132522	29.205474093055892
406	390	280866	-103641.1413	1042537.3170250766	39.73759805906949	-101.1677202	131429.549229335	4008980.978454509	3096.40500522238	2967.963549063122	2940.208563419492	2941.668529743229	9374254990132522	29.205474093055892
407	390	280867	-102981.1413	1042537.3170250766	39.73760889280278	-101.165375	131445.545832253	4008978.834682405	3085.68313465174	2964.87848355332	2940.208563419492	2941.668529743229	9374254990132522	29.205474093055892
408	390	280868	-102321.1413	1042537.3170250766	39.73761393363036	-101.1630298	131465.5470665244	4008972.761487104	3076.422397210164	2963.442739210164	2936.168978656826	2938.908160156813	9374254990132522	29.205474093055892
409	390	280869	-101661.1413	1042537.3170250766	39.73762094713306	-101.160846	131485.5359674241	4008968.96830915	3038.419210146943	2961.289756676688	2931.481376439476	2930.473026847964	9374254990132522	29.205474093055892
410	390	280870	-101001.1413	1042537.3170250766	39.737627930191026	-101.158394	131503.5309877455	4008964.616076195	3015.205831274325	2959.240081647833	2929.223309445645	2925.312646818674	9374254990132522	29.205474093055892
411	390	280871	-100341.1413	1042537.3170250766	39.73763481474016	-101.155942	131525.528267852	4008960.543726402	2998.914701766822	2957.3087030529807	2925.420376627847	2923.57311206302	9374254990132522	29.205474093055892
412	390	280872	-99681.1413	1042537.3170250766	39.73764168050495	-101.153649	131545.5204878676	4008958.461713709	2950.5464691547	2955.300280191704	2922.657661231045	2921.469021326467	9374254990132522	29.205474093055892
413	390	280873	-99021.1413	1042537.3170250766	39.737650111202	-101.1513038	131566.5146808706	4008958.399738109	2891.178224745041	2952.2045043915013	2914.5883763730303	2913.6584356178222	9374254990132522	29.205474093055892
414	390	280874	-98361.1413	1042537.3170250766	39.73765857363468	-101.1489586	131587.500266665	4008948.320985877	2971.808909939205	2952.2479743821027	2918.530158868296	2918.608632333023	9374254990132522	29.205474093055892
415	390	280875	-97701.1413	1042537.3170250766	39.7376620383396	-101.1466133	131608.50383983396	4008944.25668139	2976.792966089139	2950.77980415152	2915.294177838163	2915.48126633297	9374254990132522	29.205474093055892
416	390	280876	-97041.1413	1042537.3170250766	39.73766869	-101.144281	131629.549	4008940.16551732	2968.45168349681	2949.356427232717	2911.263587489907	2911.584708991105	9374254990132522	29.205474093055892
417	390	280877	-96381.1413	1042537.3170250766	39.73771421444484	-101.141758	131646.502483846	4008935.18941819	3015.461491691236	2948.98758527865	2908.84985824691	2908.84985824691	9374254990132522	29.205474093055892
418	390	280878	-95712.1413	1042537.3170250766	39.7376819241398	-101.139577	131661.4477880546	4008932.034913143	3034.79562	2946.85248530564	2902.144567444146	2902.144567444146	9374254990132522	29.205474093055892
419	390	280879	-95061.1413	1042537.3170250766	39.7376884728181	-101.1372325	131682.4781843636	4008927.937460898	3052.5389221103603	2942.28212478378	2897.2350184180896	2896.97473632168	9374254990132522	29.205474093055892
420	390	280880	-94401.1413	1042537.3170250766	39.73769498	-101.134873	131703.4741115435	4008923.903244694	3068.85456297806	2944.56451613118	2892.2685721702283	2892.2685721702283	9374254990132522	29.205474093055892
421	390	280881	-93741.1413	1042537.3170250766	39.7377014342775	-101.1325421	131724.4640456458	4008918.83265511	3085.118969422754	2943.510403604926	2887.631799628237	2887.631799628237	9374254990132522	29.205474093055892
422	390	280882	-93081.1413	1042537.3170250766	39.73771074699991	-101.1301969	131746.4573314056	4008915.764	3101.381363915697	2942.61808783374	2883.961797391546	2882.90287268373	9374254990132522	29.205474093055892
423	390	280883	-92421.1413	1042537.3170250766	39.73771742144484	-101.1278517	131766.4504278897	4008911.89419131	3089.425043410598	2942.61808783374	2883.961797391546	2882.90287268373	9374254990132522	29.205474093055892
424	390	280884	-91761.1413	1042537.3170250766	39.737720356575125	-101.125693	131787.452703657125	4008904.62750033	3118.071052015318	2940.709545792024	2942.508158947518	2942.508158947518	9374254990132522	29.205474093055892
425	390	280885	-91001.1413	1042537.3170250766	39.737726813399625	-101.1231613	131808.434788032	4008903.55178864	3099.175389752834	2939.8994770116515	2938.063302833995	2937.919715692056	9374254990132522	29.205474093055892
426	390	280886	-90441.1413	1042537.3170250766	39.7377330491514	-101.120816	131829.4273093616	4008909.48626479	3095.00451264455	2939.150662349455	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
427	390	280887	-89781.1413	1042537.3170250766	39.73773923121263	-101.1184708	131847.0419024192	4008904.43807466	3092.53681487218	2938.463471153165	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
428	390	280888	-89121.1413	1042537.3170250766	39.73774537201912	-101.1161256	131867.04138171894	4008901.200672205	3071.664800812876	2937.8347347304697	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
429	390	280889	-88461.1413	1042537.3170250766	39.7377514670756	-101.113904	131887.0420626878	4008900.764	3095.7925021166359	2937.266537	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
430	390	280890	-87821.1413	1042537.3170250766	39.7377571778894	-101.1114352	131907.4239173305	4008903.2141171567	3102.891561622871	2938.2614917895	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
431	390	280891	-87141.1413	1042537.3170250766	39.7377632285729	-101.109309	131927.3851865633	4008907.145081381	3094.320591990591	2936.289719810224	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
432	390	280892	-86481.1413	1042537.3170250766	39.73776948251858	-101.1067448	131947.5732984703	4008907.075	3104.05740632462	2935.87766935016	2937.919715692056	2937.919715692056	9374254990132522	29.205474093055892
433	390	280893	-85821.1413	1042537.3170250766	39.73777336887078	-101.1043995	131967.3672253769	4008910.01200176	3113.772868172912	2935.48931135716	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
434	390	280894	-85161.1413	1042537.3170250766	39.73778127	-101.1020543	131987.357976784	4008909.94510148	3123.488275805472	2935.163091502442	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
435	390	280895	-84501.1413	1042537.3170250766	39.73778708964788	-101.0997091	132007.8485828971	4008912.47839822	3122.8369055733265	2934.860487859004	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
436	390	280896	-83841.1413	1042537.3170250766	39.737792680771	-101.097369	132029.3389539233	4008918.512	3111.81675474944	2934.568630212022	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
437	390	280897	-83181.1413	1042537.3170250766	39.7377983095525256	-101.0951094	132051.3389539233	4008918.512	3108.924514808797	2934.568630212022	2938.2614917895	2938.2614917895	9374254990132522	29.205474093055892
438	390	280898	-82521.1413	1042537.3170250766	39.73780248995718	-101.0926735	132071.3813153903	4008916.679670155	3098.782461271787	2934.09103684611	2932.128671570803	2932.128671570803	9	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIELogsKrg.f	BREIEBothKrg.f	SatThkBoth.f
521	380981	-27741.14133	1042537.3170250766	36.7811842838828	-00.8980195	337362.9051531238	404004.1030872219	3701.79393299233286	2586.071811551898	2825.84054648738	2826.0499191467065	30.17726505159772	29.96792890191378
522	380982	-27081.14133	1042537.3170250766	36.7812031109675	-00.8996743	337363.8812680183	404004.984789067	2998.6190074906854	2853.839881702516	2823.814446483039	2823.914184073387	30.02541705221239	29.92576330091278
523	380983	-26421.14133	1042537.3170250766	36.781322145655446	-00.8983291	337364.822576245	404005.0386249174	3000.8740264029114	2851.548923730895	2821.57564894027	2821.683881806077	30.01236246523468	30.0303415
524	380984	-25761.14133	1042537.3170250766	36.78123294	-00.8908368	337365.812625651	404001.89333124	3005.507068400156	2849.261214169537	2819.962097576763	2819.962097576763	28.4329423077444	29.69248965147635
525	380985	-25011.14133	1042537.3170250766	36.7812566376357	-00.8886386	338166.80867062835	4003037.847666533	3010.1392172117168	2846.871566790208	2817.9994260676066	2817.994299499316	28.87204722601356	28.928571797011955
526	380986	-24441.14133	1042537.3170250766	36.7812738432984	-00.8862933	338367.7411816266	400303.802817068	3014.771355942182	2844.227718	2816.0040507093304	2815.854413935052	28.5683033664754	28.5683033664754
527	380987	-23781.14133	1042537.3170250766	36.7812903959262	-00.8839481	338568.75948937144	400303.79519529	3013.642059	2841.902307324753	2813.5708230118184	2813.006992999006	28.40097451293446	28.51967102495246
528	380988	-23211.14133	1042537.3170250766	36.7813064954246	-00.8816029	338768.7347	400303.712349202	3006.75127458217	2839.3696184232854	2810.868981223095	2810.680011179996	28.3597203	28.68960743289174
529	380989	-22611.14133	1042537.3170250766	36.7813221456551	-00.8795256	338970.798283656	400301.668818698	2998.8670535554523	2836.75948	2808.168875806574	2808.076891083416	28.68815163298617	28.68815163298617
530	380990	-21801.14133	1042537.3170250766	36.781333731284	-00.7859124	339171.68454711034	400303.7624064871	2992.969738652235	2834.1415985452712	2805.444757727361	2805.3413968416166	28.69684172891042	28.7520717265467
531	380991	-21141.14133	1042537.3170250766	36.7813502753335	-00.7456762	339372.6550250808	400303.660866844	2984.4965827841625	2831.473861	2802.905312259934	2802.8190014356437	28.5685487	28.654859527646295
532	380992	-20441.14133	1042537.3170250766	36.78136636244064	-00.7822219	339573.6380775775	400309.357	2974.44117231734	2807.776063072386	2800.56838345491	2800.496061	28.2037972689094	28.2800212403594
533	380993	-19821.14133	1042537.3170250766	36.7813801964885	-00.6869767	339747.680205465	400305.493450927	2964.3856918505053	2826.052077388238	2798.0186968737373	2798.235774062894	28.03761705108497	27.8163367196692703
534	380994	-19161.14133	1042537.3170250766	36.7813936	-00.8675314	339975.5824405045	400301.450209128	2954.330211383678	2823.30542076493	2796.6763351955638	2796.664120203435	26.629106808929157	26.6410305614743
535	380995	-18501.14133	1042537.3170250766	36.7814065051743	-00.8651862	340037.407195466	400303.407195466	2943.20194091587	2820.5392489726716	2794.705655943143	2795.048195502386	25.8339937835718	25.49114420647657
536	380996	-17841.14133	1042537.3170250766	36.78141897988074	-00.862841	340174.530469547	400303.364417762	2917.05413953645	2794.163154572102	2793.5225653149	2793.5225653149	24.592261363262423	24.23249008215463
537	380997	-17181.14133	1042537.3170250766	36.78143100150694	-00.8604957	340578.504248476	4003049.321676095	2918.79981977034	2814.8664141872265	2792.6416732450625	2792.845618655668	24.7142184216404	24.211059731589438
538	380998	-16521.14133	1042537.3170250766	36.781445370261	-00.8581505	340779.47767418927	400305.279554071	2906.598750597072	2812.144353502601	2791.76143304134028	28.30240246582003	20.17091373505017	0
539	380999	-15861.14133	1042537.3170250766	36.781453854474	-00.8558053	340980.45135457807	4003041.232000844	2901.0746432390515	2809.32112282491	2790.994864656583	2791.21624832685	18.26242762590754	18.10846959898087
540	381000	-15201.14133	1042537.3170250766	36.7814634347705	-00.85346	341118.4246632324	4003037.195667241	2902.227471342982	2806.4892313514397	2791.1604921298585	2790.26140215023	15.32873922158145	16.223128936416742
541	381001	-14541.14133	1042537.3170250766	36.781474556966	-00.8511148	341382.3927627828	4003033.15069643	2903.30282938672	2803.65152416273	2790.520930327341	2789.61819543578	13.130593799369763	14.32308699943673
542	381002	-13891.14133	1042537.3170250766	36.781484311225	-00.848769	341583.376387035	4003032.1740939	2904.53037143761624	2800.805980177738	2789.256923991643	2789.256923991643	11.553266166095319	11.653396906571848
543	381003	-13241.14133	1042537.3170250766	36.781495705761	-00.8463259	341784.243697556	4003037.15582421	2906.697610878316	2801.19297330674	2788.16859289354	2788.16859289354	8.5471812088	8.5471812088
544	381004	-12561.14133	1042537.3170250766	36.7815024560817	-00.8440791	341985.3160419772	4003031.91	2916.654244	2795.121847357345	2787.246019855489	2787.615641679364	7.65827681245482	7.506250570370325
545	381005	-11901.14133	1042537.3170250766	36.7815106629181	-00.8417338	342186.289054431	4003062.039	2924.350711905728	2792.76632592736	2786.225238	2786.62744076765	6.5052288561537105	6.5052288561537105
546	381006	-11241.14133	1042537.3170250766	36.7815188	-00.839386	342387.2614546978	4003012.94619389	2927.401780082426	2789.43006052266	2785.091598575852	2785.530924	4.434200276413792	3.902675690338864
547	381007	-10581.14133	1042537.3170250766	36.7815262972877	-00.8370433	342588.237026997	4003038.90943731	2932.893644962196	2786.916095656828	2783.858015057389	2784.3382453601785	2.77634094994392776	2.77634094994392776
548	381008	-9921.14133	1042537.3170250766	36.7815333425236	-00.834681	342789.2057987071	400304.8694918	2926.89766544768	2783.7329572318	2782.66337966907	2783.212223424848	1.098997579122402	0.541072289704482
549	381009	-9261.14133	1042537.3170250766	36.78153819812647	-00.832329	342997.558192575	4003008.829781935	2928.8981281271363	2780.99781271363	2780.279613036263	2781.8745667795444	0	0
550	381010	-8601.14133	1042537.3170250766	36.781545065065	-00.8300076	343191.59450490565	4003030.079	2930.33007079	2780.5940709906	2779.3704709906	2779.3704709906	0	0
551	381011	-7941.14133	1042537.3170250766	36.7815517288485	-00.8276624	343392.121768892	4002992.751069941	2906.205586450155	2775.276632413386	2770.023822258444	2778.768855725435	0	0
552	381012	-7281.14133	1042537.3170250766	36.7815569539927	-00.8253172	343593.0258539927	400286.12067806	2894.8507183525976	2772.49642672607	2777.2517021255	2776.8892017431963	0	0
553	381013	-6621.14133	1042537.3170250766	36.78156172603915	-00.8229719	343794.0640060112	4002824.673301577	2883.49585	2769.6741792380336	2775.4816265991712	2775.83609641427	0	0
554	381014	-5961.14133	1042537.3170250766	36.7815660449684	-00.8206277	343995.031943702	400280.634771233	2872.1409621596628	2766.892478070114	2774.10498379328	2774.10498379328	0	0
555	381015	-5301.14133	1042537.3170250766	36.7815699106365	-00.8182814	344196.0062321756	400276.5964767	2871.208952295178	2764.126555	2773.032612117086	2773.032612117086	0	0
556	381016	-4641.14133	1042537.3170250766	36.7815732325678	-00.8159329	344396.077193637	400270.55418189	2880.69745444105	2772.327411692103	2772.327411692103	2772.327411692103	0	0
557	381017	-3981.14133	1042537.3170250766	36.78157676282045	-00.813891	344597.9478695255	400268.52069467	2890.195072166848	2758.454038857772	2771.4170454969	2771.607191738687	0	0
558	381018	-3321.14133	1042537.3170250766	36.7815787897536	-00.8112457	344798.9144433587	400260.483	2899.681371872896	2755.942061586126	2770.4235732321787	2770.8732473166333	0	0
559	381019	-2661.14133	1042537.3170250766	36.7815860432517	-00.8089005	344999.8888911003	400260.45657583	2902.367470994205	2753.257148287497	2770.180695732488	2770.391687072314	0	0
560	381020	-2001.14133	1042537.3170250766	36.7815824436096	-00.8065552	345200.58910712324	400260.458402401	2896.248839726056	2750.95805103932	2769.52398268183	2769.61499720265	0	0
561	381021	-1341.14133	1042537.3170250766	36.781583896983	-00.80421	345401.8290839893	400252.372	2894.1302085517004	2747.9584388991414	2768.6437351601894	2767.6437351601894	0	0
562	381022	-681.14133	1042537.3170250766	36.7815842053056	-00.801824	345602.792636444	400248.33501918	2890.01157324096	2745.34471675568	2767.6045470234364	2767.6045470234364	0	0
563	381023	-141.14133	1042537.3170250766	36.7815842053056	-00.801824	345602.792636444	400248.33501918	2890.01157324096	2745.34471675568	2767.6045470234364	2767.6045470234364	0	0
564	381024	638.858673033514	1042537.3170250766	36.78158431405814	-00.7971743	345804.73883154965	400240.26439885	2890.01157324096	2745.34471675568	2767.6045470234364	2767.6045470234364	0	0
565	381025	1298.858673033514	1042537.3170250766	36.7815843849244	-00.794829	346205.70835716093	400236.226033476	2872.53135346896	2737.6468154599916	2765.2260470232295	2765.2260470232295	0	0
566	381026	1958.858673033514	1042537.3170250766	36.7815825306923	-00.7924838	346406.677740485	400232.190309429	2866.36299017147	2735.12731882843	2763.80509284968	2763.824171632054	0	0
567	381027	2618.858673033514	1042537.3170250766	36.7815809593618	-00.7901386	346607.64707173284	400231.5538869	2863.14539	2732.629808728972	2761.356229584934	2761.19909	0	0
568	381028	3278.858673033514	1042537.3170250766	36.7815789	-00.7877933	346808.8167110524	400224.120110709	2862.87859	2730.153243741834	2758.696387356045	2758.4752333634433	0	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatThKgs.f	SatThBoth.f
643	581	2107	55416.8586773035	1042537.3170250766	39.739871260865	-100.6025197	626884.72540770455	399906.081306064	2714.237188990076	2602.462360125822	2615.8323448033407	2616.515800689976	0	0
648	580	21108	56078.8586773035	1042537.3170250766	39.73994854387625	-100.6001745	626885.6384079156	399902.06491002	2703.357478656618	2601.9735713767996	2618.7268933244433	2619.4203725134184	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SurfElevKgr.ft	SurfElevBoth.ft
33	281	28233	-348921.1413	14137.0172052676	39.3363071755042	-102.0425457	239267.96535556432	402018.2089005713	3717.7524572629936	35.083332527438	3482.870381870936	3482.80223793711413	25.78260656544308	25.8509431952658
34	281	28234	-349161.1413	14137.0172052676	39.3363110500422	-102.0400198	239469.4025198127	402014.0044	3726.761320951992	35.0648657946837	3480.25179481829	3480.1703930114746	26.589392976390027	26.73865783203095
35	281	28235	-348501.1413	14137.0172052676	39.3363585119346	-102.0371649	239870.1194262075	402039.882477	3729.512149812395	35.0493681810075	3477.540772548935	3477.540678100725	27.33835136	27.703827814370015
36	281	28236	-347841.1413	14137.0172052676	39.33678956015666	-102.03542	239837.1960749517	402005.7197097018	3728.01413372602	35.03248072	3474.859360629247	3474.731359634326	28.58340735375268	28.84370830105928
37	281	28237	-347811.1413	14137.0172052676	39.3367895611573245	-102.0330751	240072.2746626254	402061.558140218	3721.01363756676	35.014589692113973	3472.3623535309053	3472.211881259403	29.0963399023897	29.2468136819875
38	281	28238	-346521.1413	14137.0172052676	39.3372662181394	-102.037302	240273.34860033792	402073.365955093	3719.01198140749	34.9997674648750193	3470.1187589429805	3469.93660281392	29.5965302033872	29.6930480491438
39	281	28239	-345861.1413	14137.0172052676	39.3373503679177	-102.0283853	240474.4247734808	402093.235021142	3716.1510354892771	34.979045324062323	3467.86118679352	3467.720136027735	30.042613734688075	30.1843933885179
40	281	28240	-345201.1413	14137.0172052676	39.33737410645254	-102.026004	240675.5000976106	402059.0470198453	3713.918655408114	34.96140864929517	3465.704287465578	3465.5214962767336	30.43659698939125	30.51843816181148
41	281	28241	-344651.1413	14137.0172052676	39.33758797081465	-102.0236865	240876.51646722328	402056.863720721	3710.17012926985	34.94369694752585	3463.567168279403	3463.3879729	30.7496920012654	30.88986635257943
42	281	28242	-343881.1413	14137.0172052676	39.3382140877444	-102.0213506	241077.6505684292	402050.752934979	3708.485926593783	34.9246205040547	3461.4699679599	3461.7773737117	31.172709685877	30.88472776339964
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61	281	28261	-331341.1413	14137.0172052676	39.34261617315132	-101.9769728	244888.91746526238	402055.746826238	3575.89175658797	34.50999277172815	3430.18458744534	3429.18458744534	19.93454711251972	20.98505488634054
62	281	28262	-330681.1413	14137.0172052676	39.34284198545705	-101.9744523	245099.091854287	402054.9344739	3547.82290227706	34.4877504295278	3428.7574592578	3428.7574592578	19.5293771890976	21.10952717236136
63	281	28263	-330021.1413	14137.0172052676	39.34303156044226	-101.9721074	245300.1689556426	402054.43847283	3566.389772861403	34.46821557443097	3427.852751899725	3427.80284681584	19.895805543372127	19.43947276151136
64	281	28264	-329361.1413	14137.0172052676	39.34337189815275	-101.9697625	245501.2384714853	402049.279	3571.1988045141047	34.4517695942137	3426.468734769567	3425.972747457154	18.32292517256974	18.81891428492775
65	281	28265	-328701.1413	14137.0172052676	39.3435327568807	-101.9674175	245702.3071016127	402048.12392303	3575.98936268604	34.42786681655307	3424.701637688434	3424.3452416042875	18.7651788645335	18.441440050504848
66	281	28266	-328041.1413	14137.0172052676	39.3437347156077	-101.9650728	245903.376756433	402048.96952783	3580.798860192473	34.4005153533777	3422.5988524299223	3422.384642470595	18.2063011301535	18.42006110687128
67	281	28267	-327381.1413	14137.0172052676	39.34393474133326	-101.9627277	246104.4525061148	402047.618497238	3582.600493470605	34.38245693162895	3420.269283971032	3420.117678363545	18.3836468269623	18.727273827494938
68	281	28268	-326721.1413	14137.0172052676	39.344119854505705	-101.9603827	246306.5140327324	402047.6809515	3575.89175658797	34.36594171727464	3417.65987290429	3417.61161387	18.2155202218628	19.24203698465472
69	281	28269	-326061.1413	14137.0172052676	39.3442217315132	-101.9580378	246506.5822670522	402046.506	3580.206394493066	34.3474742441285	3415.0535965124573	3415.214701436392	19.9220779039752	19.7627169964304
70	281	28270	-325401.1413	14137.0172052676	39.34464532049665	-101.9559828	246701.65003775566	402044.352	3579.069416065967	34.333063120079136	3412.4806273412155	3412.7421332972464	18.50249273792078	20.9186681879128
71	281	28271	-324741.1413	14137.0172052676	39.34489474211196	-101.9533479	246908.7106909304	402044.198766005	3575.36417393255	34.3115590594613	3409.8906212259008	3409.8906212259008	18.265284720242107	20.929605468442
72	281	28272	-324081.1413	14137.0172052676	39.3450921749235	-101.951003	247109.78580050943	402045.358794	3568.2763383812155	34.292499224105763	3407.3100083107534	3407.8507119839205	18.01766519627107	21.392912406656817
73	281	28273	-323421.1413	14137.0172052676	39.3453144263126	-101.948688	247310.886284115953	402045.091971	3563.189695248923	34.27335577199943	3406.7896292629	3405.2971793705304	22.5520779736515	22.03825801
74	281	28274	-322761.1413	14137.0172052676	39.3455327144446	-101.9463131	247511.9196527474	402045.7320096	3555.100661278506	34.25440854054103	3405.6435325566	3402.6807194534	21.21208714875374	22.7187125587635
75	281	28275	-322101.1413	14137.0172052676	39.3457503679177	-101.9439123	247716.4332703238	402045.4332703238	3547.82290227706	34.2336871606337	3403.18458744534	3403.18458744534	20.7155202218628	20.98505488634054
76	281	28276	-321441.1413	14137.0172052676	39.345978474334	-101.9416232	247914.053226324	402043.4394	3539.54426677233	34.21214065549513	3401.7040547485805	3401.3932855773	20.46041180570734	22.7627169964304
77	281	28277	-320781.1413	14137.0172052676	39.3461198883526	-101.9392782	248115.119484662	402043.281816467	3529.863202205566	34.194428831838				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevLogKrg.ft	SatHdgKrg.ft	SatHdgKrg.ft
159	28139	-266661.1413		14137.3170250766	37.2627329921794	-171.469876	264601.72490050853	44020905.615	3341.367067462323	3293.550630625703	3293.771400944818	52.64060757635125	52.38329043588721
160	28139	-266601.1413		14137.3170250766	37.26265158270694	-171.446426	264802.71713011982	4402091.48242705	3438.482768796391	3345.396166772925	3341.31553638431	52.64060757635125	52.38329043588721
161	28139	-266581.1413		14137.3170250766	37.2625693868292	-171.424278	265027.360325712	4402092.360325712	3438.582689104596	3344.003027581976	3345.18232938077	52.64060757635125	52.38329043588721
162	28139	-266481.1413		14137.3170250766	37.26243801375504	-171.399625	265284.86320977856	4402093.812461924	3432.7155073471024	3343.777154477254	3345.25363630244	52.64060757635125	52.38329043588721
163	28139	-266401.1413		14137.3170250766	37.2623634613123222	-171.376704	265405.9088164522	4402094.986537927	3437.541590800138	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
164	28139	-266361.1413		14137.3170250766	37.262304623587426	-171.352623	265606.95426387456	4402095.95426387456	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
165	28139	-266270.1413		14137.3170250766	37.26223035204763	-171.329173	265807.9993363836	4402096.9993363836	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
166	28139	-266240.1413		14137.3170250766	37.26216033	-171.305722	266009.042505031	4402096.9993363836	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
167	28139	-266181.1413		14137.3170250766	37.26209438295787	-171.282271	266210.068931556	4402097.360325712	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
168	28139	-266121.1413		14137.3170250766	37.26202919603824	-171.259821	266411.133383831	4402098.432304301	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
169	28139	-266061.1413		14137.3170250766	37.261954503476	-171.23537	266612.177683065	4402099.432304301	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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171	28139	-258741.1413		14137.3170250766	37.2616891092275	-171.188469	267014.2653637098	4402101.42545702	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
172	28139	-258081.1413		14137.3170250766	37.26157045075392	-171.165018	267215.3089694762	4402101.91	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
173	28139	-257421.1413		14137.3170250766	37.2614552528081	-171.141567	267416.352003638	4402102.783749635	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
174	28139	-256761.1413		14137.3170250766	37.2613427450339	-171.118116	267617.319713953	4402103.45756719	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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176	28139	-255441.1413		14137.3170250766	37.2611207530546	-171.071215	268019.8740873416	4402105.39474835	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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179	28139	-253461.1413		14137.3170250766	37.2607633016034	-171.000862	268622.60271939476	4402108.013	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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182	28139	-251481.1413		14137.3170250766	37.2604233722448	-170.930351	269225.7316918274	4402111.6412082	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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184	28139	-250161.1413		14137.3170250766	37.26021749849176	-170.883806	269627.8134656708	4402113.7787427	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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186	28139	-248841.1413		14137.3170250766	37.260051142513	-170.8383706	270029.8943745449	4402115.1254921565	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
187	28139	-248181.1413		14137.3170250766	37.260009891437	-170.816325	270230.83484225	4402116.999670544	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
188	28139	-247521.1413		14137.3170250766	37.260009891437	-170.794805	270431.9737747098	4402117.9737747098	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
189	28139	-246861.1413		14137.3170250766	37.260009891437	-170.773054	270634.104002844	4402118.74585831	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
190	28139	-246201.1413		14137.3170250766	37.260009891437	-170.751293	270834.0534765686	4402119.61967323815	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
191	28139	-245541.1413		14137.3170250766	37.260009891437	-170.729542	271034.0534765686	4402120.491967323815	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
192	28139	-244881.1413		14137.3170250766	37.260009891437	-170.707791	271234.0534765686	4402121.3717018	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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195	28139	-242901.1413		14137.3170250766	37.260009891437	-170.642273	271834.0534765686	4402124.000131	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
196	28139	-242241.1413		14137.3170250766	37.260009891437	-170.620447	272034.0534765686	4402124.881301	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
197	28139	-241581.1413		14137.3170250766	37.260009891437	-170.598621	272234.0534765686	4402125.762519	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
198	28139	-240921.1413		14137.3170250766	37.260009891437	-170.576794	272434.0534765686	4402126.643815	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
199	28139	-240261.1413		14137.3170250766	37.260009891437	-170.554967	272634.0534765686	4402127.525719	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
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201	28139	-238941.1413		14137.3170250766	37.260009891437	-170.511313	273034.0534765686	4402129.289530	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
202	28139	-238281.1413		14137.3170250766	37.260009891437	-170.489486	273234.0534765686	4402130.171408	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
203	28139	-237621.1413		14137.3170250766	37.260009891437	-170.467659	273434.0534765686	4402131.053310	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
204	28139	-236961.1413		14137.3170250766	37.260009891437	-170.445832	273634.0534765686	4402131.935210	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
205	28139	-236301.1413		14137.3170250766	37.260009891437	-170.423995	273834.0534765686	4402132.817110	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
206	28139	-235641.1413		14137.3170250766	37.260009891437	-170.402168	274034.0534765686	4402133.699010	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	52.38329043588721
207	28139	-234981.1413		14137.3170250766	37.260009891437	-170.380341	274234.0534765686	4402134.580910	3432.052347049513	3342.923673693310	3345.25363630244	52.64060757635125	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SurfElevLog.ft	SurfBoth.ft
281	281485	-183501.1413	10431937.310250766	37.2822023912627	-101.4515018	289931.80075734516	-1041576.821	412.02808264272754	3097.789593	3098.1786693825876	3097.789593	3090.3605730883096	91.4891584785282	98.81809615926302
286	281486	-182841.1413	10431937.310250766	37.28232281	-101.4491566	290136276144396	-1041576.71920361	410.1500391875519	3017.4280952772126	3096.523930556817	3087.6327261871832	90.5841676899493	99.79653251538139	
287	281487	-182181.1413	10431937.310250766	37.28234573404065	-101.4468115	290333376857162	-1041568.61198184	408.60496849121	3185.5849442615947	3098.270801509847	3094.740113381769	90.3969340474483	100.94303101627085	
288	281488	-181521.1413	10431937.310250766	37.28237802371	-104.444663	290532485639130743	-1041565.15400927	407.3902616155574	3183.94373134776	3093.863446204066	3094.05460959512	90.0820505952962	101.75752252447	
289	281489	-180861.1413	10431937.310250766	37.282706705745	-104.422121	290735784916915606	-1041560.43870199	406.1764234815937	3022.87804056687	3092.296629030483	3079.300382808525	89.91127154718552	102.9075980981612	
290	281490	-180201.1413	10431937.310250766	37.282826607947	-104.397759	290936.892386631	-1041556.313	404.9621587158387	3180.47719279151	3090.81582887719	3076.96526981057	89.45453989127949	103.5119230808014	
291	281491	-179541.1413	10431937.310250766	37.2829509173775	-104.374307	2911371907670725	-1041552.211607374	403.3013721580523	3178.752511698758	3089.47641969527	3075.846231588875	89.2608917	102.90672840039	
292	281492	-178881.1413	10431937.310250766	37.28307127270344	-104.350859	29138.92761907854	-1041548.11586037	401.1940564148554	3177.034930552095	3087.968180534976	3074.73631324016	89.06675007119382	102.2729922808468	
293	281493	-178221.1413	10431937.310250766	37.2831957005912	-104.327403	2915839.9464295843	-1041540.10087613	398.086314994896	3175.32640336553	3086.68028469021	3072.98675	88.84610553	102.3273747061326	
294	281494	-177561.1413	10431937.310250766	37.2833176224009	-104.303591	29170.96191902703	-1041535.9057018	396.975873575116	3173.62923096178	3085.4532541815433	3070.8237211401908	88.7598391	102.8055259598737	
295	281495	-176901.1413	10431937.310250766	37.2833434971121	-104.280499	291941.97879119345	-1041535.80604825	394.2840263312462	3171.45786809848	3084.3022505836	3069.94019077789	88.7223651013217	102.0055883197896	
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BR ElevLogKrg	BR ElevBothKrg	SatThKLog	SatThKBoth
537	281737	-17181.14133	1043197.310250766	39.3996617584962	-100.8604973	340582.5526032734	400505.685789375	2917.430162709456	2814.909607192323	2791.7759249103838	2792.1566755665373	22.753905868296216
538	281738	-16521.14133	1043197.310250766	39.39957332731684	-100.858152	340783.525978740753	400546.5263194	2903.731225189908	2812.0744935642815	2791.1572303979187	2791.5556889725317	20.5173623566273
539	281739	-15961.14133	1043197.310250766	39.3996684430258	-100.8565097	340854.4991696607	400522.494	2899.386756198869	2809.2301229121576	2786.6187833376324	2786.6187833376324	18.14228953839529
540	281740	-15021.14133	1043197.310250766	39.399550562449	-100.8534614	341185.47827334	400534.484109599	2904.396755706347	2806.37908452332	2790.467610209995	2790.798553421022	15.91028422342422
541	281741	-14541.14133	1043197.310250766	39.399605311142	-100.8511161	341386.4451817571	400534.484109599	2908.406575223907	2803.523981694687	2790.0771743897267	2790.439094321518	13.084867304960203
542	281742	-13881.14133	1043197.310250766	39.3996150714937	-100.8487708	341587.4174175276	400530.358844393	2914.61754741409	2800.66601126874	2789.161218270863	2790.2191953787671	10.44668383350685
543	281743	-13221.14133	1043197.310250766	39.3996243747633	-100.8464255	341788.3950555904	400537.215664435	2919.865143288753	2797.806349023947	2788.3946260263115	2789.768255693427	8.90979332052033
544	281744	-12561.14133	1043197.310250766	39.3996332	-100.8440082	341989.3630057289	400522.277	2925.751920686355	2794.9611096301057	2787.2603714045053	2787.769073822500398	5.827433999
545	281745	-11961.14133	1043197.310250766	39.3996416219768	-100.8417346	342190.3354081961	400516.23571667	2933.836989484174	2793.9439432	2786.316729643364	2786.2401748187755	3.854741504
546	281746	-11241.14133	1043197.310250766	39.3996456591635	-100.839389	342391.3075836057	400514.191546801	2937.525470202039	2789.240679908835	2785.211555595964	2785.2013228225843	2.03915627899216
547	281747	-10581.14133	1043197.310250766	39.3996570574614	-100.8370443	342592.2795563303	400510.154812331	2937.08620587802194	2786.389714	2783.9814046878537	2786.0312368879804	0.3584790833961467
548	281748	-9921.141327	1043197.310250766	39.3996640944657	-100.834699	342793.2514023129	400506.174157193	2930.356877228786	2783.543540446623	2782.5484735550054	2784.7694113262983	0.959056865689147
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551	281751	-7941.141327	1043197.310250766	39.3996824889652	-100.8276361	343396.166030974	400493.96840218	2908.016831713304	2775.84983027776	2778.765119030049	2780.225499732623	0
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556	281756	-4641.141327	1043197.310250766	39.3997040842639	-100.8159366	344401.0207233604	400473.80243175	2885.300637169407	2761.1316322799303	2773.6408430354977	2774.37513177110017	0
557	281757	-3981.141327	1043197.310250766	39.3997070439931	-100.8135913	344601.9912071313	400469.764	2895.760407	2758.400421	2772.7309422733704	2773.4221941939315	0
558	281758	-3321.141327	1043197.310250766	39.3997055001277	-100.811246	344802.961581748	400465.7627019	2906.2207501209195	2757.869580963448	2772.75693253198	2772.75693253198	0
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564	281764	638.85867303514	1043197.310250766	39.3997157051856	-100.7973174	346008.780439371	400441.505264257	2880.892223027641	2739.98889171181	2766.642015423705	2766.7085300404948	0
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566	281766	1958.85867303514	1043197.310250766	39.3997173291604	-100.7924368	346410.7187125	400439.43333132	2893.62954969824	2737.6318623400747	2763.8562364800747	2763.8562364800747	0
567	281767	2618.85867303514	1043197.310250766	39.3997171202353	-100.7901383	346611.6877825036	400429.397718829	2871.219861654544	2730.382093641649	2760.84846744547	2760.82507896193	0
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569	281769	3938.85867303514	1043197.310250766	39.39970721816306	-100.7854477	347013.625423885	400421.3272017	2869.95058065752	2727.3521352551335	2754.975721973456	2754.975721973456	0
570	281770	4598.85867303514	1043197.310250766	39.39970428746176	-100.7831024	347214.5939782966	400419.792209759	2869.32415626599	2724.920681217073	2751.8740657912917	2751.928471411757	0
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574	281774	7238.85867303514	1043197.310250766	39.39968803355616	-100.7737213	348018.4667251986	400401.155037055	2857.277664552828	2715.270063334683	2738.909735272483	2738.909735272483	0
575	281775	7898.85867303514	1043197.310250766	39.399682873048	-100.771376	348219.434545759	400397.12312697	2855.1353127196444	2712.807438137146	2735.316606089336	2734.89477882206	0
576	281776	8558.85867303514	1043197.310250766	39.39967718794304	-100.7690307	348420.40221977356	400393.08723331	2854.26549082635	2710.555069166952	2731.774184035576	2731.365191890264	0
577	281777	9218.85867303514	1043197.310250766	39.3996710584717	-100.766884	348621.3697477824	400389.545070252	2853.3944652682	2708.271371740715	2728.4510527779908	2727.9827975903626	0
578	281778	9878.85867303514	1043197.310250766	39.3996642596044	-100.7643401	348822.371299673	400385.201552448	2852.462414492707	2705.89492811773	2725.156141285904	2724.37296460449	0
579	281779	10538.85867303514	1043197.310250766	39.39965811986	-100.7618118	349023.3988171938	400381.09871388	2851.398519871388	2703.9239718870757	2723.9239718870757	2723.9239718870757	0
580	281780	11198.85867303514	1043197.310250766	39.3996505593077	-100.7594495	349224.27154780716	400373.76595	2847.27245453927	2701.3049431281778	2721.947919436264	2721.572538124855	0
581	281781	11858.85867303514	1043197.310250766	39.3996421444862	-100.7573042	349425.238403373	400369.723918752	2836.11108349699	2699.040535600882	2715.54321497642	2714.32770807709	0
582	281782	12518.85867303514	1043197.310250766	39.3996338	-100.7545958	349626.205048873	400368.898184784	2829.74922025592	2696.802268703699	2712.2284920446946	2712.105471817943	0
583	281783	13178.85867303514	1043197.310250766	39.399625833516	-100.7526136	349827.1718611637	400364.86003615	2822.59738	2694.9581893342	2708.669495397358	2708.669495397358	0
584	281784	13838.85867303514	1043197.310250766	39.399615681027	-100.7502683	350028.1384	400360.82401267	2814.63510697222	2693.458328676983	2705.053118	2705.053118	0
585	281785	14498.85867303514	1043197.310250766	39.3996065937416	-100.747892	350229.1407402293	400356.797034731	2809.318657843484	2702.344686831454	2702.1268614627	2702.1268614627	0
586	281786	15158.85867303514	1043197.310250766	39.3995977328054	-100.7455771	350430.0709341697	400352.75903999	2798.704742723074	2699.25454773039	2699.411654	2699.25454773039	0
587	281787	15818.85867303514	1043197.310250766	39.39958513971025	-100.7432324	350631.0370425697	400348.735	2788.43130072421	2696.26458458885	2696.80852257819	2696.69676097219	0
588	281788	16478.85867303514	1043197.310250766	39.3995740530242	-100.7408871	350832.0307806104						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThKLog.s	SatThKBoth.f
653	381	281863	65978.8586773035	1043197.3170250766	39.3974511917286	-100.5649902	365904.0537482862	4400043.07628488	2778.231844920328	2602.263019594352	2624.734988358215	2625.721802726526	0	0
654	381	281864	66568.8586773035	1043197.3170250766	39.3974056688286	-100.5626449	366105.0056212185	4400035.06348348	2769.05826164392	2601.011865103317	2623.638644175472	2623.638644175472	0	0
655	381	281865	67288.8586773035	1043197.3170250766	39.3973586928214	-100.5602997	365305.964864636	4400035.06348348	2769.05826164392	2601.011865103317	2623.638644175472	2623.638644175472	0	0
656	381	281866	67958.8586773035	1043197.3170250766	39.3973132637122	-100.5575654	366105.002069447	4400031.039	2750.733789	2604.67256781736	2618.144666468008	2618.7131810026	0	0
657	381	281867	68618.8586773035	1043197.3170250766	39.39726638149684	-100.5556091	366707.875437662	4400027.0265697049	2743.186880551223	2605.5673330728496	2615.416079468008	2616.080249514834	0	0
658	381	281868	69278.8586773035	1043197.3170250766	39.3972190461741	-100.5532638	366908.8306417253	4400023.017227248	2737.259083116724	2606.494741	2612.584111	2613.98372844192	0	0
659	381	281869	69938.8586773035	1043197.3170250766	39.3971712577471	-100.5509185	367109.78551843175	4400019.03812147	2731.312856580012	2607.452101952116	2609.8054974939885	2610.830462653526	0	0
660	381	281870	70598.8586773035	1043197.3170250766	39.397121621251	-100.5489733	367310.743823453	4400014.91912708	2725.404824498836	2608.441011679095	2607.204308323294	2608.1604353526	1.236702836656784	0.28006783356520626
661	381	281871	71258.8586773035	1043197.3170250766	39.39707402157798	-100.546928	367511.669915182	4400010.98077078	2727.314222635189	2604.824662977385	2604.427511135553	2605.4671344897126	5.024571050830673	3.9817676889257963
662	381	281872	71918.8586773035	1043197.3170250766	39.397025173839	-100.5438827	367712.549683923	4400005.96922117	2710.484547051979	2601.9433930031	2602.94375926315	2604.11579917261	7.94957312561742	6.79457312561742
663	381	281873	72578.8586773035	1043197.3170250766	39.3969757259642	-100.5415374	367913.6043	4400002.95917074	2746.812755038592	2611.535675686809	2599.046643736634	2599.348439	12.84902282272906	12.187236670060969
664	381	281874	73238.8586773035	1043197.3170250766	39.3969251901236	-100.5391921	368114.55860307	4400098.48755241	2756.502214377601	2612.6028347896213	2596.2197523904492	2596.1678285493	16.3802399125034	16.0436745037198
665	381	281875	73898.8586773035	1043197.3170250766	39.3968751019559	-100.5368469	368315.5122203454	4400093.95875314	2763.129413076705	2613.683438065297	2594.69885593079	2594.51050941167	18.9925244721845	19.1729268511308
666	381	281876	74558.8586773035	1043197.3170250766	39.3968240517946	-100.5345016	368516.4691515227	4400090.92638031	2766.5144900452327	2614.7748906898964	2594.3987551169376	2594.2957065071384	20.3713550310573	20.4749184418749
667	381	281877	75218.8586773035	1043197.3170250766	39.396772635293	-100.5321563	368711.4208826555	4400096.91820042	2769.05826164392	2615.8746732752343	2594.1849216248877	2594.1849216248877	21.88991516248877	21.88991516248877
668	381	281878	75878.8586773035	1043197.3170250766	39.3967271271592	-100.529811	368919.3747253629	4400092.90045476	2773.285954822105	2616.981474129471	2593.691764340544	2593.691764340544	22.38389969368322	22.31381083526657
669	381	281879	76538.8586773035	1043197.3170250766	39.396684656848	-100.5274657	369119.32842490836	4400097.789	2773.285954822105	2618.09263681184	2592.828376553102	2592.828376553102	25.227522518128808	25.227522518128808
670	381	281880	77198.8586773035	1043197.3170250766	39.396615680107	-100.5251205	369320.282035495	4400094.791200447	2771.316634380932	2619.2047516732115	2591.48121762713	27.2230354	27.100449960274	27.100449960274
671	381	281881	77858.8586773035	1043197.3170250766	39.3965625444226	-100.5227752	369521.235038104	4400097.88243036	2768.875410357445	2620.319225142786	2589.715137008567	2589.736978156836	30.598758550117476	30.5773448959502
672	381	281882	78518.8586773035	1043197.3170250766	39.3965088	-100.5204299	369722.1888475993	4400096.87398227	2768.875410357445	2621.415114229478	2587.813788401633	2587.764306898495	33.60172302134197	33.550522447527
673	381	281883	79178.8586773035	1043197.3170250766	39.396454634774	-100.5180846	369923.142067219	4400096.85969201	2763.9250327866085	2626.503233097608	2586.463233097608	2586.463233097608	36.36724359808686	36.36724359808686
674	381	281884	79838.8586773035	1043197.3170250766	39.396400587537	-100.5157394	370124.051628809	4400095.85752937	2761.353442091479	2623.573272688003	2585.36697223432	2585.36697223432	38.20660345368456	38.20660345368456
675	381	281885	80498.8586773035	1043197.3170250766	39.396346971068	-100.5134953	370324.9415475895	4400094.9415475895	2760.824662977385	2624.824662977385	2584.936773851468	2584.936773851468	40.802974511552	40.802974511552
676	381	281886	81158.8586773035	1043197.3170250766	39.3962895245516	-100.511048	370526.00983142	4400094.84103911	2756.2094896295	2625.82519366859	2582.8629193207368	2582.8629193207368	42.76220405122315	42.76220405122315
677	381	281887	81818.8586773035	1043197.3170250766	39.3962358871506	-100.5087035	370726.95378015723	4400093.8473435	2625.82519366859	2626.524723485302	2581.206740782968	2580.80250627194	45.1733156556209	45.1733156556209
678	381	281888	82478.8586773035	1043197.3170250766	39.3961771877427	-100.5063582	370927.9063100316	4400094.82761766	2745.22454449485	2627.077691381	2579.280212303038	2579.280212303038	48.1857568325708	48.1857568325708
679	381	281889	83138.8586773035	1043197.3170250766	39.3961203372318	-100.504013	371128.858789775	4400092.602768715	2746.812755038592	2628.26608803715	2577.41683035155	2576.75736394529	50.68077849856034	51.5090726308426
680	381	281890	83798.8586773035	1043197.3170250766	39.3960630361754	-100.5016677	371329.8114511953	4400094.81407941	2741.62891411553	2628.94062754227	2575.4824267552435	2574.757504	53.4882397303364	54.18316270766976
681	381	281891	84458.8586773035	1043197.3170250766	39.396009578904	-100.499324	371533.7633789035	4400094.76349871	2739.04348670737	2629.49925	2573.91164349867	2572.5815484927757	56.1585123653547	56.8784067944429
682	381	281892	85158.8586773035	1043197.3170250766	39.395957071084	-100.4969777	371715.749492389	4400094.65139123	2737.938885777	2629.79187820624	2571.102620919933	2570.37673638103	58.689254921316	58.689254921316
683	381	281893	85778.8586773035	1043197.3170250766	39.3958884041578	-100.4946319	371932.6674765718	4400092.755122796	2740.72168760254	2629.911976780254	2568.919893337337	2568.922994741005	60.99210714291695	61.8889202661494
684	381	281894	86438.8586773035	1043197.3170250766	39.395820281322	-100.4922866	372133.6193	4400091.789795735	2741.328594077447	2629.81223780585	2566.800198378104	2565.970342943035	63.8418345155447	64.7226345155447
685	381	281895	87098.8586773035	1043197.3170250766	39.3957697190045	-100.4899413	372334.5710926392	4400091.78431018	2739.958704	2629.502417844824	2564.635636709216	2564.125075500337	66.8667814	65.3773243489017
686	381	281896	87758.8586773035	1043197.3170250766	39.3957096967741	-100.4879591	372535.5271683724	4400091.79067112	2737.2259304927165	2629.057965196816	2562.8932149871375	2562.30046414796	68.112813524403	68.705392488537
687	381	281897	88418.8586773035	1043197.3170250766	39.3956492214414	-100.4859208	372736.4747915754	4400090.774055012	2734.835197145252	2628.363041501192	2561.23103644571	2560.724314144431	70.1220059356879	67.628723587692
688	381	281898	89078.8586773035	1043197.3170250766	39.3955928611068	-100.48395	372937.4581585	4400090.7410107	2732.9038730105	2629.057965196816	2560.425121342474	2560.425121342474	72.71705112537	68.169240457039
689	381	281899	89738.8586773035	1043197.3170250766	39.3955329114688	-100.4805602	373138.567256876	4400090.67437192	2726.89837298016	2628.99837298016	2558.68136893648	2558.2114	80.050483111114	68.8479115883935
690	381	281900	90398.8586773035	1043197.3170250766	39.395465768309	-100.478215	373339.320028067	4400090.76474254	2727.235202919476	2625.745268755356	2557.686527554806	2557.32995252214	80.6040702967503	68.4152862361574
691	381	281901	91058.8586773035	1043197.3170250766	39.39540278909026	-100.4758697	373540.299207704	4400090.76534483	2725.1034982079	2624.7312996207	2557.076475947178	2556.591182661145	85.6545749042895	68.13994583009253
692	381	281902	91718.8586773035	1043197.3170250766	39.3953404824804	-100.4735244	373741.2299229561	4400090.76512642	2723.023477274707	2623.680231394723	2556.6758820236582	2556.60130634273	86.9921412960571	67.606719680003
693	381	281903	92378.8586773035	1043197.3170250766	39.395278654004	-100.4717192	373942.1807918395	4400090.789812814	2721.553099	2622.564197100624	2556.467349758548	2556.1286130735075	89.0686214276981	66.560702711685
694	381	281904	93038.8586773035	1043197.3170250766	39.395213207578	-100.4688339	374143.13161543	4400090.74554404	2720.1620527187	2621.4214312614	2556.320536417525	2555.62159807928	90.542048958016	65.812161254148
695	381	281905	93698.8586773035	1043197.3170250766	39.39514845396414	-100.4664134	374355.032225415	4400090.73910843	2719.0484718117713	2620.4485728625	2555.9148871964	2555.9148871964	92.548185123459	64.643069488882
696	381	281906	94358.8586773035	1043197.3170250766	39.39508455396414	-100.464134	374555.032225415	4400090.73910843	2719.0484718117713	2620.4485728625	2555.9148871964	2555.9148871964	94.1291811615543	63.44507219051343
697	381	281907	95018.8586773035	1043197.3170250766										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln	BRElevBothKrg.	BRElevBothKrg.	SatThLgts.	SatThBoth.
50	382	281989	-332621.1413	14.14	14.38567310250766	36.735798467701635	-102.0049664	242489.34074138448	4402752.980092819	3661.76877722373846	347.0408888570977	3452.6295439300998	3452.810950377423	26.19339837353458
51	382	281990	-336601.1413	14.14	14.3857310250766	36.735821734972895	-102.0026215	242690.413550330336	4402748.821	3650.4175635450457	3476.5776443111048	3451.828466545141	3452.234032396167	24.3436113744323085
52	382	281991	-332841.1413	14.14	14.3857310250766	36.7358496949387	-102.0002768	242891.4689593996	4402744.963420626	3658.3748999126875	3474.81538940026	3451.521096129337	3452.878981425237	22.660227927817298
53	382	281992	-332781.1413	14.14	14.3857310250766	36.73586813361357	-101.9973515	242904.5584	4402750.50345242	3629.7094132576704	3471.816950933965	3450.599623398955	3450.75637755954	21.217327304701205
54	382	281993	-336621.1413	14.14	14.3857310250766	36.73589126	-101.9955865	243293.63045315514	4402735.787925	3619.687327622999	3469.485262489668	3449.3713237755014	3449.523266274918	20.11336871216479
55	382	281994	-335061.1413	14.14	14.3857310250766	36.735914351051456	-101.9932416	243494.7022	4402732.161748646	3647.186828048134	347.04095646655	3447.516526	3447.516526	19.96196374048482
56	382	281995	-335301.1413	14.14	14.3857310250766	36.7359373819196	-101.9908996	243695.73778483555	4402728.03	3604.79921710928	3464.922062617505	3444.9587132197166	3444.9587132197166	19.96196374048482
57	382	281996	-334641.1413	14.14	14.3857310250766	36.7359603728621	-101.988516	243896.84507008214	4402723.87245496	3605.0898313879373	3462.6913704558187	3442.098108800826	3441.851273295813	20.840133708799474
58	382	281997	-333981.1413	14.14	14.3857310250766	36.73598633745229	-101.9865066	244097.91621071846	4402715.71517111695	3606.3785499286875	3464.9484988268675	3439.265040266885	3438.858643040222	21.63634605717663
59	382	281998	-333321.1413	14.14	14.3857310250766	36.736024231474	-101.9836816	244328.36989117538	4402715.58137071	3605.669851847373	3458.30010570475	3436.68874393989	3436.05423095161	22.2845747531431
60	382	281999	-332661.1413	14.14	14.3857310250766	36.73602910818606	-101.9815167	244500.550729134	4402711.041343196	3601.10616651055	3456.195427	3434.289812666344	3430.96313849176007	22.25313932749
61	382	282000	-332001.1413	14.14	14.3857310250766	36.736051916144795	-101.9797177	244701.12768072116	4402707.24789538	3591.691251782065	3454.09094538076	3424.049817034688	3421.534709506082	21.85001283233896
62	382	282001	-331341.1413	14.14	14.3857310250766	36.7360746610093	-101.9768267	244902.1977016756	4402715.08470687	3582.276337510335	3452.0132460277373	3420.166783570429	3429.48164728827	21.8495613234489
63	382	282002	-330681.1413	14.14	14.3857310250766	36.736097408767954	-101.9744817	245103.26747036114	4402698.32402838	3572.86122249915	3449.708932301567	3428.254649745136	3427.1720875386627	21.71623485020894
64	382	282003	-330021.1413	14.14	14.3857310250766	36.7361200612783	-101.9721367	245304.33696895413	4402694.777	3571.227222969585	3447.9542670814876	3426.107582175525	3426.107582175525	21.6203856393123
65	382	282004	-329361.1413	14.14	14.3857310250766	36.73614272018655	-101.9697791	245505.4002517526	4402690.62079612	3577.373757615805	3445.956133691636	3424.990333624267	3424.990333624267	21.495701114418333
66	382	282005	-328701.1413	14.14	14.3857310250766	36.7361657094399	-101.9674467	245706.47526487175	4402686.466	3583.502853462034	3444.000432734965	3423.119802087806	3422.69648490204	21.08243791516923
67	382	282006	-328041.1413	14.14	14.3857310250766	36.736187650400185	-101.9651107	245907.5440265475	4402682.310517101	3589.666813410253	3442.0686119681495	3420.986173585332	3420.986173585332	21.35168408553656
68	382	282007	-327381.1413	14.14	14.3857310250766	36.736210347555065	-101.9627567	246108.1623598834	4402678.155639347	3590.715966140315	3440.157291043833	3418.7186649988633	3418.528345672365	21.43826044969624
69	382	282008	-326721.1413	14.14	14.3857310250766	36.7362327940588	-101.9604117	246309.68079640027	4402674.001	3586.767444431178	3438.267598583036	3416.759393144943	3416.759393144943	21.291460343809353
70	382	282009	-326061.1413	14.14	14.3857310250766	36.73625520960695	-101.9580667	246510.7480498677	4402669.846615105	3582.619523410249	3436.39635670123	3413.6667140929716	3413.6667140929716	22.73921474040686
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74	382	282013	-323421.1413	14.14	14.3857310250766	36.736343349154175	-101.9486867	247315.018332447	4402653.24148272	3565.4039603456243	3429.000699356243	3403.017355908515	3403.017355908515	25.551303506794
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79	382	282018	-320121.1413	14.14	14.3857310250766	36.7364540233701	-101.9369512	248320.347292563	4402632.467801181	3534.736350714833	3419.325367120373	3393.4070689591624	3393.4070689591624	30.694590227912
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84	382	282023	-316821.1413	14.14	14.3857310250766	36.7365641041025255	-101.9252366	249325.67480474597	4402611.70336954	3528.048754	3408.017945940877	3386.704174988147	3395.572115557756	12.445804785183064
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90	382	282029	-312861.1413	14.14	14.3857310250766	36.7366983365207	-101.9111665	250532.560277205	4402589.989192464	3502.13008233034	3392.4138657852716	3380.630235629191	3380.630235629191	11.78904432330505
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92	382	282031	-311541.1413	14.14	14.3857310250766	36.73673805338303	-101.9064314	250933.2510354846	4402578.61690177	3508.188185940546	3432.918402789458	3392.918402789458	3392.918402789458	10.61849426131657
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94	382	282033	-310221.1413	14.14	14.3857310250766	36.73677937268852	-101.9017864	251336.3064013658	4402570.212330091	3466.612639232527	3382.532088501856	3375.1612462509447	3371.394821614599	7.7196232505891
95	382	282034	-309561.1413	14.14	14.3857310250766	36.73680064691556	-101.8994413	251537.3682065703	4402566.0643434	3540.857334	3380.309091700686	3374.194169222335	3405.943536189283	6.141292478
96	382	28203												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft	
175	282115	-25601.1413		14.1437	3857.310250766	-73.7383733873535	-01.7094893	267822.57771070664	440220.381447876	3482.8199232014617	330.9737994035299	3256.817624130115	3270.256170227053	17.147503164028764	60.7176238264593
176	282116	-25544.1413		14.1437	3857.310250766	-73.7383904669374	-01.7071442	268023.62013511034	440222.267590403	3482.115412173602	330.9011890538774	3255.857508992704	3266.790584936774	17.14364988771	63.2062851544749
177	282117	-25491.1413		14.1437	3857.310250766	-73.7383460567665	-01.7067499	268224.584210393	440222.284210393	3482.019012324388	329.8141981628170	3254.869104463814	3263.796118817614	17.15803516881914	65.2220246084957
178	282118	-25421.1413		14.1437	3857.310250766	-73.7384250912371	-01.7042438	268425.7044177377	440221.741050051	3480.706321796533	3328.02021791264	3253.837720810351	3260.806066172338	17.1842009718006	67.2012511403044
179	282119	-25361.1413		14.1437	3857.310250766	-73.7384433227524	-01.7001787	268626.7548566471	440221.327930059	3480.53329	3327.013246048386	3252.708332366466	3258.059562164805	17.2432717252382	68.3529386845488
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188	282128	-24752.1413		14.1437	3857.310250766	-73.738598112878546	-01.6790024	270436.1107382742	44021.77118618472	3514.824490749255	3317.529327339664	3239.628374	3246.06739913633	17.32458579881617	74.4849434260305
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200	282140	-23960.1413		14.1437	3857.310250766	-73.73879772701976	-01.6508066	272848.5687917971	44021.271695	3521.8115738138749	3304.232181	3223.6360433262496	3217.331614197552	17.4859613781769038	75.96568268578
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212	282152	-23168.1413		14.1437	3857.310250766	-73.738992895904	-01.6227185	275260.994523826	44020.782473074063	3509.4178205121517	3290.251578248451	3224.6152436234183	3224.180959155372	17.3964336250376	75.807109307913
213	282153	-23102.1413		14.1437	3857.310250766	-73.73900782329925	-01.6203733	275462.0287988024	44020.7417158276	3508.951138265444	3289.05306672751	3223.353054638544	3223.976697815673	17.4000120342679	75.80336880118357
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216	282156	-22904.1413		14.1437	3857.310250766	-73.73905615870745	-01.6133738	276065.1296136116	44020.6179534538	3513.846704341266	3285.400429857035	3223.24435325618	3210.47270821314	17.41966762815574	75.8242723642048
217	282157	-22838.1413		14.1437	3857.310250766	-73.7390721981887	-01.6110925	276266.1627776817	44020.5742928989	3512.748549146083	3284.7194529164073	3222.748549146083	3210.47270821314	17.42194549180953	75.83854426816225
218	282158	-22772.1413		14.1437	3857.310250766	-73.7390875164276	-01.608674	276467.1957186377	44020.5317270655	3510.834191653273	3283.02710062865				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtBothKrg.ft
300	382	282241	-172941.1413	10438567.310250766	39.40229038740004	-101.4139941	293152.8356850714	4017112.502773868	3364.0624078008005	3161.44255371155048	3079.423142573158	3074.8554848486357	82.01941054434656
302	382	282242	-172281.1413	1043857.310250766	39.402408096541	-101.4114688	293353.187666653	4017708.404	3371.20577523994	3159.972349489584	3078.7389912303256	3078.7389912303256	82.00363845947895
303	382	282243	-171621.1413	1043857.310250766	39.40232904078664	-101.4093638	293554.2137597644	4017343.792402525	3341.009782027865	3158.544544128653	3077.28447760981	3076.769098	81.7634859884287
304	382	282244	-170961.1413	1043857.310250766	39.4020445378598	-101.4069584	293375.2285505516	401700.25703064	3366.31727918098	3157.151883272417	3073.283785175483	3073.055914369106	81.6964009093641
306	382	282245	-170301.1413	1043857.310250766	39.4027617	-101.4046131	293366.24314026395	401666.196644159	3364.010482	3155.788622423234	3068.965832342999	3068.6603202113436	81.7268139308517
306	382	282246	-169641.1413	1043857.310250766	39.402783727052	-101.4022678	294157.2572805725	401692.011968175	3365.00741205526	3155.46471205526	3065.007417965454	3064.673724	81.84398324007144
307	382	282247	-168981.1413	1043857.310250766	39.40299641048906	-101.3999226	294358.2717142053	401687.915	3356.6419954073594	3153.18238638765	3062.09753879906	3060.425413	81.9220732588582
308	382	282248	-168321.1413	1043857.310250766	39.4031109517984	-101.3979773	294559.2856986567	401681.817296633	3348.825395376531	3151.797973665240	3060.0756917347035	3058.83035319804	81.71220193053706
309	382	282249	-167661.1413	1043857.310250766	39.4027942787793	-101.3952521	294760.2994923806	401678.7203240255	3349.009782027865	3151.40557029185	3058.76852575214	3057.826832327632	81.71188175879134
310	382	282250	-167001.1413	1043857.310250766	39.4034050528134	-101.3928588	294561.3130455277	401675.62358738	3333.192190758227	3149.16297083429	3058.0185961431676	3057.3737411009756	81.7198589254534
311	382	282251	-166341.1413	1043857.310250766	39.403455	-101.3905415	295162.32644601173	401671.5237093757	3325.5246849841646	3147.63946998505	3057.4407814178076	3056.818468153476	81.02297783157478
312	382	282252	-165681.1413	1043857.310250766	39.40356900300486	-101.3881963	295363.336268284	401667.43036073	3321.089074162757	3146.5116176500323	3056.99145546367	3056.580091	81.5129725955617
313	382	282253	-165021.1413	1043857.310250766	39.403682223114	-101.385851	295564.35260719224	401663.381816685	3315.62586438755	3145.177127998957	3056.4298702976052	3056.1964997527143	81.89727170135183
314	382	282254	-164361.1413	1043857.310250766	39.403795583591	-101.3830507	295765.3653873184	401659.239035576	3310.16265436049	3143.8502425192515	3055.838187756723	3055.93376103886	81.97968549519848
315	382	282255	-163701.1413	1043857.310250766	39.4039082013928	-101.3811605	295966.3779671427	401655.14392745	3307.6489517031637	3142.485226783535	3055.189705375699	3054.76309411098	81.7795846852596
316	382	282256	-163041.1413	1043857.310250766	39.4040203813317	-101.3788152	296167.3903478004	401651.048	3308.08642551904	3141.120854866324	3054.255449517315	3053.82104699696	81.8650405146008
317	382	282257	-162381.1413	1043857.310250766	39.4041306817564	-101.3764699	296368.40282838204	401646.953121876	3305.52338897197	3139.74877200257	3053.100552025498	3052.607404811057	81.68462199747583
318	382	282258	-161721.1413	1043857.310250766	39.4042433219245	-101.3741247	296569.4154059357	401642.85829325	3308.960327190733	3138.360676133005	3051.9033077792854	3051.2395640382763	81.46505097341509
319	382	282259	-161061.1413	1043857.310250766	39.4043541225781	-101.3717974	296770.4262915905	401638.767704019	3307.61560073144	3136.98201252542	3050.135182143609	3049.6441321398464	81.83738112669547
320	382	282260	-160401.1413	1043857.310250766	39.40446440713554	-101.3694341	296971.43787461903	401634.669325442	3304.489235149955	3135.59182006222	3048.315873	3047.777016	81.72594962
321	382	282261	-159741.1413	1043857.310250766	39.4045743564597	-101.3670898	297172.442585831	401601.923539097	3301.362964958949	3134.198390974949	3046.06487983259	3046.06487983259	81.12909281369002
322	382	282262	-159081.1413	1043857.310250766	39.404685035634	-101.3647346	297373.4604449916	401626.813639371	3296.232494396684	3132.802369064048	3043.758457492001	3043.530170555431	81.40044782
323	382	282263	-158421.1413	1043857.310250766	39.40479274923305	-101.3623821	297574.461772785	401622.387726025	3294.1073748584824	3131.407154849584	3042.69469765454	3042.69469765454	81.3924778
324	382	282264	-157761.1413	1043857.310250766	39.4049013294064	-101.360053	297775.482208254	401618.294328347	3284.1965057278573	3124.443208754497	3042.153711555685	3042.424309901043	81.28949318863488
325	382	282265	-157101.1413	1043857.310250766	39.40500914148284	-101.3577078	297976.4928119717	401614.201767831	3289.875206949184	3128.616338	3041.9066327370682	3041.9066327370682	81.190919069561
326	382	282266	-156441.1413	1043857.310250766	39.4051170402652	-101.3553625	298177.5032053294	401610.18254502	3287.15596082017	3127.2220146709165	3042.042696865258	3042.225646	81.19371799
327	382	282267	-155781.1413	1043857.310250766	39.4052241263448	-101.3530172	298378.350134113085	401606.01565132	3285.2625848249122	3125.8308214069984	3042.221848350524	3042.221848350524	81.49114642957375
328	382	282268	-155121.1413	1043857.310250766	39.4053309391301	-101.350672	298579.523399562	401601.923153745	3284.1965057278573	3124.443208754497	3042.153711555685	3042.424309901043	81.28949318863488
329	382	282269	-154461.1413	1043857.310250766	39.405437924938178	-101.3483267	298780.5330208964	401597.830076762	3283.127813181915	3123.825722822175	3042.069469765454	3042.69469765454	81.3924778
330	382	282270	-153801.1413	1043857.310250766	39.40554703440774	-101.3459814	298983.54202591625	401593.7389704	3282.0885439254983	3121.670951947593	3041.65989240536	3042.64134232333	81.28949318863488
331	382	282271	-153141.1413	1043857.310250766	39.4056583889521	-101.3436361	299182.5521282127	401589.647204356	3277.609354628575	3120.382102248005	3041.466425319736	3042.4950545924876	81.77967872826891
332	382	282272	-152481.1413	1043857.310250766	39.4057532993458	-101.3412908	299383.56152393646	401585.755710984	3286.77557943131	3118.894035344645	3042.395058658824	3042.395058658824	81.76236435925167
333	382	282273	-151821.1413	1043857.310250766	39.4058577566412	-101.3389456	299584.57063873385	401581.46445744	3281.94730424137	3117.5028451274156	3040.721919063434	3041.951719342867	81.76802606302152
334	382	282274	-151161.1413	1043857.310250766	39.40596176083005	-101.3366003	299785.75935749196	401577.4373438265	3284.1965057278573	3116.108864469045	3040.487908098943	3041.66725237458	81.49114642957375
335	382	282275	-150501.1413	1043857.310250766	39.40606551193635	-101.334225	299986.587980198	401573.25269526	3286.130195351632	3114.71111224877	3040.18833414909	3041.39763496512	81.74222778996925
336	382	282276	-149841.1413	1043857.310250766	39.40617629438178	-101.3319017	300186.694072735	401569.12917152	3288.009414251393	3113.30622282175	3039.89941763822	3041.61811465461	81.724657659364
337	382	282277	-149181.1413	1043857.310250766	39.40628701546383	-101.3295644	300388.504638687	401565.101815933	3283.0885439254983	3111.893077919102	3038.6952034301614	3042.64134232333	81.28949318863488
338	382	282278	-148521.1413	1043857.310250766	39.40637324663595	-101.3272192	300589.612675167	401561.011751223	3282.7465555555555	3110.470836718497	3039.365277282813	3040.098249235965	81.10556033028433
339	382	282279	-147861.1413	1043857.310250766	39.4064748853375	-101.3248739	300790.620516387	401557.921924064	3285.20211423993	3109.4004316681257	3039.37428328037	3039.37428328037	81.76236435925167
340	382	282280	-147201.1413	1043857.310250766	39.406576703938	-101.3225286	300991.6281627359	401552.83236005	3280.1931230308677	3107.607814566755	3039.291831	3039.291831	81.61862268577
341	382	282281	-146541.1413	1043857.310250766	39.4066771034404	-101.3201833	301192.63616473	401548.724895574	3284.1965057278573	3106.1745225938744	3039.487147325072	3039.730974130567	81.66877307036712
342	382	282282	-145881.1413	1043857.310250766	39.4067774824914	-101.317838	301383.628716342	401544.564	3280.1931230308677	3104.7372467491195	3038.750210121443	3038.750210121443	81.6387045676761
343	382	282283	-145221.1413	1043857.310250766	39.40687924938178	-101.3154974	301580.7436919385	401540.7874	3281.00941758191	3103.82572282175	3038.127813181915	3038.127813181915	81.3924778
344	382	282284	-144561.1413	1043857.310250766	39.406987082683435	-101.3131475	301795.5680351016	401536.47362449	3275.188720613316	3101.842923211495	3041.01829147597	3042.5282420357	81.6387045676761
345	382	282285	-143901.1413	1043857.310250766	39.4070759024432	-101.3108022	301966.634785817	401532.38796435	3280.1931230308677	3100.3826949616705	3041.961630028897	3041.961630028897	81.6387045676761
346	382	282286	-143241.1413	1043857.310250766	39.4071744694423	-101.3084569	302197.669601697	401528.29801386	3284.1965057278573	3108.912855292614	3043.107870695052	3043.107870695052	81.76236435925167
347	382	282287	-142581.1413	1043857.310250766	39.4072728340266	-101.3061116	302398.6784280253	401524.21881635	3284.1965057278573	3097.432216721923	3044.434931308363	3044.434931308363	81.6387045676761
348	382	282288	-141921.1413	1043857.310250766	39.40737041343676	-101.3037663	302599.8824280258	401520.124197391	3283.96403927143	3095.93986173013	3043.93987566685	3043.93987566685	81.7246576593

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.E	UTM.V	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevKgr.f	SatfKLog.f	SatfBoth.f
427	382	282367	-8971.14133	1043857.3170250766	39.74313653237826	-11.1184868	18148.5710453166	4041197.948545251	7071.7982341117004	23.93.288028914069	2874.911588	2875.261778929315	58.37643883413921	58.0262370675427
428	382	282368	-8971.21133	1043857.3170250766	39.743137504453284	-11.1161414	18187.56250595415	4041193.97884319	3075.3132636879456	2932.600751952224	2876.404238915508	2876.439748185937	56.19625260717535	56.1610187766172
429	382	282369	-8966.14133	1043857.3170250766	39.743137603575796	-11.1157177	18189.0534795347	4041189.811451737	3075.49262313854	2932.61845212163	2877.84891238624	2877.84891238624	54.5340497486245	54.508749239186
430	382	282370	-8760.14133	1043857.3170250766	39.74313635095007	-11.1111648	18100.15444318069	4041185.743254686	3081.4303136117573	2932.184856272116	2880.214799054856	2880.214799054856	51.25107339645765	51.2157135668906
431	382	282371	-8641.14133	1043857.3170250766	39.74313696623138	-11.1091055	18192.532801281576	4041181.675298566	3088.8762341810684	2930.3665670658772	2882.0913231296036	2882.0913231296036	48.24725032599277	48.24725032599277
432	382	282372	-8641.14133	1043857.3170250766	39.74313661201274	-11.1067601	18194.35258086104	4041177.650777665	3090.456626679606	2930.456626679606	2885.49330520191	2886.65938246054	45.00232167851482	43.8364414115714
433	382	282373	-8582.14133	1043857.3170250766	39.743140153859571	-11.1044148	18196.51623337355	4041173.540094672	3090.4114288987404	2889.899781826487	2889.9006792294108	2890.20377212673	43.13966926931	43.13966926931
434	382	282374	-8581.14133	1043857.3170250766	39.74414070206754	-11.1020695	18198.50645263375	4041169.42848685	3117.5284710984106	2929.747894172318	2894.967227067713	2895.900247317555	34.78066710504663	33.84768890065242
435	382	282375	-8450.14133	1043857.3170250766	39.7441432244232	-11.0997241	18200.49655665564	4041168.058989471	3095.49262413834	2929.428403238464	2900.659993176164	2901.4046502721526	28.79495062026267	28.62475301789048
436	382	282376	-8384.14133	1043857.3170250766	39.74414190256644	-11.097378	18202.489455524	4041161.339693582	3113.76752357145	2928.107572221776	2906.815178700094	2907.41950214571	22.2525164521166	21.7119271036822
437	382	282377	-8318.14133	1043857.3170250766	39.7441402473679074	-11.0950335	18204.8617596474	4041157.273	3088.076028375466	2928.8758758255453	2913.410036267426	2913.86308704815	14.86928355811914	15.011278712096382
438	382	282378	-8252.14133	1043857.3170250766	39.744143042480235	-11.092881	18206.45571050244	4041153.20623758	3081.3248493043674	2928.62360739705	2920.174133267423	2920.4965785702607	4.74924525262684	4.71289169444293
439	382	282379	-8185.14133	1043857.3170250766	39.7441406726991	-11.0903428	18208.459055200417	4041149.140177875	3092.631044973478	2928.380441069974	2926.7910035048153	2927.091538032612	1.858460201820942	1.288906017952922
440	382	282380	-8120.14133	1043857.3170250766	39.7441416647480	-11.0879795	1821091.4434304797	4041145.073556395	3078.814477104326	2928.144172505035	2932.194540693744	2932.3053464566724	0	0
441	382	282381	-8054.14133	1043857.3170250766	39.74414471691473	-11.0865621	1821292.43333137965	4041141.08770535	3064.9917922479133	2927.4143399075892	2935.99338368686	2936.508764592755	0	0
442	382	282382	-7980.14133	1043857.3170250766	39.74414523776985	-11.0833608	1821493.421821602	4041135.94322664	3051.18134585815	2927.889456459044	2937.499897107079	2937.518675725163	0	0
443	382	282383	-7921.14133	1043857.3170250766	39.74414581831343	-11.0809615	1821694.0106348094	4041128.37873120215	3052.186752	2927.4682358611313	2937.4552465782345	2937.200626688814	0	0
444	382	282384	-7856.14133	1043857.3170250766	39.74414630154548	-11.0786161	1821895.39939119056	4041128.813	3068.014130347419	2927.24798016319	2935.333549476625	2935.254885294545	0	0
445	382	282385	-7790.14133	1043857.3170250766	39.744146897246596	-11.0762708	1822096.3877017563	4041124.748802368	3083.841508777474	2927.03365280787	2932.057142326354	2932.307770461323	0	0
446	382	282386	-7724.14133	1043857.3170250766	39.7441474280748	-11.0739254	1822297.3758611327	4041120.6460434	3099.668872077536	2926.818485214968	2928.460781613023	2929.1224747228847	0	0
447	382	282387	-7658.14133	1043857.3170250766	39.7441479573273	-11.0715801	1822498.36483606543	4041116.62041559	3081.0156483	2926.604877291174	2924.893174474817	2925.929114934845	1.795762544	0.6757623563189554
448	382	282388	-7592.14133	1043857.3170250766	39.744148813357964	-11.0692348	1822695.3516622191	4041112.55632565	3095.081848810115	2926.362474	2921.475277767818	2927.4943631748313	3.79690315919192	3.79690315919192
449	382	282389	-7526.14133	1043857.3170250766	39.744150203261	-11.066984	1822895.359339886	4041108.15848624	3086.747927186239	2925.17831982639	2924.913787388224	2925.164230788224	21.6240138747347	21.6240138747347
450	382	282390	-7460.14133	1043857.3170250766	39.744149514739455	-11.0645441	1823101.327735588	4041104.429178184	3078.410413277358	2925.97478600916	2914.7961270474234	2915.7191553492132	9.26225755507555	9.26225755507555
451	382	282391	-7394.14133	1043857.3170250766	39.74415002464559	-11.0621988	1823302.3140711725	4041100.36959605	3074.3136297143555	2925.785007251487	2912.757920606101	2914.754997031086	11.08145118353962	11.03901012668853
452	382	282392	-7328.14133	1043857.3170250766	39.74415053	-11.0598534	1823503.301197049	4041096.30290005	3071.746517844129	2925.604860193615	2909.82176678994	2912.0823773501393	15.78732524967381	13.52248284322218
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454	382	282394	-7196.14133	1043857.3170250766	39.7441515271728545	-11.0551627	1823905.24743417554	4041087.17749555	3068.412294110565	2925.2792715566894	2903.014075665983	2906.61764	22.265195969072116	18.661163115943936
455	382	282395	-7130.14133	1043857.3170250766	39.74415205963281	-11.0528174	1824105.2615452794	4041083.15848624	3071.176319816239	2925.17320779755	2903.538662496485	2904.088336994485	21.5240138747347	21.5240138747347
456	382	282396	-7061.14133	1043857.3170250766	39.74415205963281	-11.0504721	1824307.24798371475	4041080.053915621	3062.4792719012902	2924.93297160331	2904.317505404293	2903.581149644024	23.63437271228247	21.417285258871
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459	382	282399	-6866.14133	1043857.3170250766	39.7441539407635884	-11.043436	1824910.20638543996	4041067.988775979	3052.192247930091	2924.61846285115	2898.58688742781	2899.933285	26.03305282369977	24.68951513594864
460	382	282400	-6800.14133	1043857.3170250766	39.74415409888182	-11.0410907	1825111.192451586	4041063.807761717	3098.916962392936	2924.5045924628394	2897.844779449133	2898.7811072682434	25.72348194595924	25.72348194595924
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462	382	282402	-6669.14133	1043857.3170250766	39.74415545438454	-11.036484	1825513.1631313475	4041055.6829004	3102.263674116325	2924.27834989597	2895.518213532624	2896.675379603624	28.751281251429	27.5380135336115
463	382	282403	-6602.14133	1043857.3170250766	39.744155700749186	-11.0340547	1825713.1484030943	4041051.625901941	3123.3047523535043	2924.159362876232	2904.358962281284	2894.625471	28.985700828936135	28.92848511208712
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465	382	282405	-6470.14133	1043857.3170250766	39.74415668754353	-11.029364	1826116.118395279	4041043.505877318	3123.36231902241	2923.865922865338	2893.32429783854	2893.9056512545345	32.59537486979432	32.59537486979432
466	382	282406	-6404.14133	1043857.3170250766	39.74415712848109	-11.0270187	1826317.10313797346	4041039.4462206215	3124.96272834015	2923.68663	2892.550455492193	2893.031006604741	31.1660849275943	30.67751071402646
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469	382	282409	-6206.14133	1043857.3170250766	39.74415834196674	-11.020046	1826920.3529026327	4041027.19891516	3125.45692868933	2923.5819181752	2892.498612160039	2891.751281251429	27.5380135336115	27.5380135336115
470	382	282410	-6140.14133	1043857.3170250766	39.74415907195126	-11.0176373	1827121.040423502	4041023.20996342	3116.94250135641	2922.47412259541	2891.27063570537	2890.48231212835	31.20348072867857	31.99119137232268
471	382	282411	-6074.14133	1043857.3170250766	39.74415927101169	-11.0152919	1827322.24032529407	4041019.154921						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIElev.Kgm.ft	BREIElevBothKgm.ft	SatThkLogs.ft	SatThkBoth.ft
532	282493	-6621.141327	1403857.3170250766	37.4178232631059	-00.8229731	343802.1528740638	4000687.162479899	2888.64378	2777.900689495878	2777.900846328949	2778.95068461505	0	0
534	282494	-5961.141327	1403857.3170250766	37.4178232631059	-00.8206277	344003.1236625973	4000683.12645376	2878.0516265873425	2776.011845070974	2776.800198576267	2777.817193222418	0	0
535	282495	-5301.141327	1403857.3170250766	37.4178232631059	-00.8182824	344204.0940999175	4000679.085091753	2873.6398431397381	2773.6398431397381	2773.6398431397381	2773.6398431397381	0	0
536	282496	-4641.141327	1403857.3170250766	37.4178348612551	-00.8158307	344405.06448724563	4000705.046892033	2889.900364889471	2760.887137652698	2760.8512041912477	2771.850570524072	0	0
537	282497	-3981.141327	1403857.3170250766	37.41783782106125	-00.8135917	344606.03472445154	4000671.008569691	2901.3302416692127	2758.1533589187013	2774.808413242839	2775.410697736401	0	0
538	282498	-3321.141327	1403857.3170250766	37.4178403277456	-00.8112463	344807.00481173856	4000676.970833335	2912.760118448954	2755.440093350092	2774.0324193080674	2774.513781168531	0	0
539	282499	-2661.141327	1403857.3170250766	37.4178423813083	-00.808901	345007.97438143125	4000662.933033341	2914.297359417397	2752.747822961703	2773.30058948222	2773.9358894963	0	0
540	282500	-2001.141327	1403857.3170250766	37.4178433817493	-00.8065556	345208.9445373849	4000658.895619572	2905.941964574541	2750.0776805043295	2772.635404327444	2772.843171932818	0	0
541	282501	-1341.141327	1403857.3170250766	37.417845129684	-00.8042103	345409.0417761558	4000654.858440225	2899.585699716885	2747.426676297418	2771.430253604563	2771.70618516097	0	0
542	282502	-681.141329	1403857.3170250766	37.417845822555	-00.801849	345610.833653837	4000550.821500676	2889.2311748898287	2744.8035227104	2769.9231472015237	2770.17229035053	0	0
543	282503	21.14132693	1403857.3170250766	37.4178460434095	-00.7995195	345811.850662275	4000646.784795531	2884.35684860235	2742.1996116955215	2768.453228243297	2768.662462118804	0	0
544	282504	638.85867303514	1403857.3170250766	37.417845522945	-00.7971742	346012.82219873136	4000642.78326575	2883.08072964502	2739.617665968707	2766.891703921827	2767.068581741164	0	0
545	282505	1298.85867303514	1403857.3170250766	37.4178458171262	-00.7948288	346213.712923672	4000638.71205378	2881.765544431569	2737.05759355211	2765.104607696576	2765.286429114604	0	0
546	282506	1958.85867303514	1403857.3170250766	37.417846088364	-00.7924835	346416.7617013735	4000634.676	2880.453992172363	2734.519034237068	2763.006050189128	2763.097902	0	0
547	282507	2618.85867303514	1403857.3170250766	37.4178469442445	-00.7901381	346615.72889503654	4000630.84	2879.294364564963	2732.0014761722255	2760.281591855162	2760.3735996181234	0	0
548	282508	3278.85867303514	1403857.3170250766	37.417847184045	-00.7877827	346816.69748449295	4000626.604812480	2878.2974604747487	2729.5042967415793	2757.145095	2757.291091845703	0	0
549	282509	3838.85867303514	1403857.3170250766	37.417837995235	-00.7854474	347017.66593628004	4000622.568620433	2877.3005563845345	2727.0268035660633	2753.937330099276	2754.11205264907	0	0
550	282510	4598.8586730351	1403857.3170250766	37.417835440556	-00.783102	347218.534420323	4000618.534472347	2876.3053622943207	2724.56820868217	2750.922555692715	2750.882391581	0	0
551	282511	5258.8586730351	1403857.3170250766	37.417831680594	-00.7807567	347419.602397749	4000614.49665475	2873.7850662077178	2722.128035589125	2747.557007032013	2747.6216103463113	0	0
552	282512	5918.8586730351	1403857.3170250766	37.4178278433866	-00.7784113	347620.5704078275	4000610.465067628	2869.7447981088885	2719.705469606737	2744.183620961652	2747.35174437464	0	0
553	282513	6578.8586730351	1403857.3170250766	37.4178253168037	-00.776066	347821.5382710834	4000606.40373089	2865.704530012013	2717.300013933372	2740.764315587674	2740.980758626394	0	0
554	282514	7238.8586730351	1403857.3170250766	37.417818301321	-00.7737206	348022.5058677201	4000602.39662554	2861.664261917216	2714.9141007002705	2737.422264845389	2737.725272739333	0	0
555	282515	7898.8586730351	1403857.3170250766	37.417792317469	-00.7713763	348229.27581915133	4000597.348629284	2854.3353530830891	2712.7343892573626	2734.398973184468	2734.849873184468	0	0
556	282516	8558.8586730351	1403857.3170250766	37.4178017642383	-00.7690299	348424.0408191582	4000594.32118756	2850.5182217311894	2710.1814335499794	2731.0176341665806	2731.2186786334036	0	0
557	282517	9218.8586730351	1403857.3170250766	37.4178016160895	-00.7666845	348625.4082599714	4000590.295719476	2846.100590721957	2707.838495	2727.432297863456	2728.07730730326	0	0
558	282518	9878.8586730351	1403857.3170250766	37.4177953058577	-00.7643392	348826.37539218995	4000586.262556262	2841.683680132012	2705.5135001484336	2724.835253203959	2724.9267716815	0	0
559	282519	10538.8586730351	1403857.3170250766	37.4177829698475	-00.761938	349027.3427388181	4000582.229629107	2838.247142876104	2703.2078445777097	2722.280799729721	2721.374691600394	0	0
560	282520	11198.8586730351	1403857.3170250766	37.4177803499014	-00.7594848	349229.3920200624	4000578.196393082	2830.791338962432	2700.922494963939	2718.903840514525	2718.101486630212	0	0
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562	282522	12518.8586730351	1403857.3170250766	37.4177654516361	-00.7549578	349630.27743514458	4000570.123744568	2819.427371344568	2696.5240797170354	2696.3225077700825	2696.3225077700825	0	0
563	282523	13178.8586730351	1403857.3170250766	37.4177573027645	-00.7526124	349831.20887356234	4000562.100280897	2818.5062648525874	2694.230332103531	2700.488301458225	2700.585168726322	0	0
564	282524	13838.8586730351	1403857.3170250766	37.417746455795	-00.750267	350032.175135373	4000560.6833904	2812.215021	2692.07280066447	2706.468345	2705.86116139121	0	0
565	282525	14498.8586730351	1403857.3170250766	37.4177367281924	-00.7479217	350233.14125275926	4000550.837022314	2813.923815705032	2689.96382439825	2703.590515396335	2703.1433961715203	0	0
566	282526	15158.8586730351	1403857.3170250766	37.417726474681	-00.7455763	350434.1072263044	4000548.057647924	2806.63261316255	2687.911628999187	2700.80125740775	2700.759978718207	0	0
567	282527	15818.8586730351	1403857.3170250766	37.41771759	-00.743221	350635.073055372	4000549.474709818	2797.072347354754	2685.932353252194	2698.4599075673405	2698.525907003887	0	0
568	282528	16478.8586730351	1403857.3170250766	37.4177042635469	-00.740895	350836.0389407804	4000545.943093089	2789.242715920995	2684.030971762065	2696.3225077700825	2696.3225077700825	0	0
569	282529	17138.8586730351	1403857.3170250766	37.4176923855955	-00.7384903	351037.0048294315	4000541.913386288	2779.514481354115	2682.164195	2694.643507	2694.390568	0	0
570	282530	17798.8586730351	1403857.3170250766	37.4176812933488	-00.7361949	351237.96978169354	4000537.883005744	2761.583603408297	2680.396557878231	2693.04267399997	2692.66118042632	0	0
571	282531	18458.8586730351	1403857.3170250766	37.4176704616554	-00.7338496	351438.850373284	4000533.852910603	2753.079665300154	2678.7002783473804	2690.7837814815818	2690.7837814815818	0	0
572	282532	19118.8586730351	1403857.3170250766	37.4176559475628	-00.7315042	351639.901500531	4000529.823051407	2747.9012667029683	2677.0681940512814	2689.745086128247	2689.534990769831	0	0
573	282533	19778.8586730351	1403857.3170250766	37.4176425948744	-00.7291588	351840.8651	4000525.793482144	2742.7282468759217	2675.49186637955	2689.100217268214	2689.207600469314	0	0
574	282534	20438.8586730351	1403857.3170250766	37.4176287829094	-00.7268135	352041.629475977	4000521.764	2737.54447404886	2673.9619732781816	2689.3745623783453	2689.951708727752	0	0
575	282535	21098.8586730351	1403857.3170250766	37.4176148201079	-00.7245763	352242.73488994	4000517.73488994	2732.469498961953	2682.394970271202512	2687.703271202512	2687.703271202512	0	0
576	282536	21758.8586730351	1403857.3170250766	37.4176019581337	-00.7221228	352443.9571757604	4000513.705973884	2731.51474704848	2681.006392411684	2687.6761516257825	2687.004916	0	0
577	282537	22418.8586730351	1403857.3170250766	37.4175847	-00.7197774	352644.7255772428	4000509.672484525	2729.782766991136	2678.5668342218816	2680.388009371392	2680.4067914517315	0	0
578	282538	23078.8586730351	1403857.3170250766	37.4175693529115	-00.7174321	352845.687863356	4000505.6885556	2699.71369731505	2668.1412986624957	2661.802975343466	2661.36714045576	6.338232338149166	6.810131277398126
579	282539	23738.8586730351	1403857.3170250766	37.4175526396375	-00.7150867	353046.651954961	4000501.621	2696.07278703241	2666.72153893255	2660.59889332558	2649.3164686467157	16.1281646502702	17.0168533881073
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581	282541	25058.8586730351	1403857.3170250766	37.417526137469	-00.7104895	353448.57876382	4000493.56495656	2693.815701909205	2663.95169726025	2667.954987334323	2667.954987334323	15.96071330868237	16.07814138668854
582	282542	25718.8586730351	1403857.3170250766	37.41751302315015	-00.7080507	353649.542629017	4000489.53744412	2704.115252494983	2662.514233744803	2646.461315832925			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatElev.f	SatBoth.f
67	282619	76538.8586770335		1438587.310250766	39.74147995110775	-00.5274589	369123.3415016233	4400180.12748785	270.191041467036	267.086124374375	2593.89026294988	2593.8718508742118	23.2258614247699	23.214274500163017
680	282620	77198.8586770335		143857.310250766	39.74147463771328	-00.5251136	369324.2948452809	4400176.11834764	2768.007714954066	268.250313033193	2592.5849190370246	2592.5849190370246	25.71981573	25.6819627055535
681	282621	77838.8586770335		143857.310250766	39.74146947500744	-00.5227683	369625.2486436793	4400172.194651799	2769.824687409238	269.154433200562	2590.554295425962	2590.554295425962	28.198005264651368	28.198005264651368
682	282622	78518.8586770335		143857.310250766	39.74146849898933	-00.5204229	369726.2115090004	4400168.101	2763.641211930626	2620.5740093262	2588.094159	2587.92169484617	32.480477568831815	32.6529123665804
683	282623	79178.8586770335		143857.310250766	39.74145885363065	-00.5180776	369927.5412596533	4400164.092365175	2761.7911590977155	2621.72908006015	2586.750792183415	2586.433909266693	34.7611382259933	35.28290673905167
684	282624	79838.8586770335		143857.310250766	39.74145307501971	-00.5157323	370128.106976266	4400160.084174587	2762.681431570794	2586.13380945075	2585.890346190226	2585.890346190226	36.737730304027	36.7773966683475
685	282625	80498.8586770335		143857.310250766	39.74144774067516	-00.5133869	370239.059691359	4400156.076219109	2758.7537890794274	2623.908051984304	2585.092335854687	2584.7941035234948	38.2404734296166	39.19675167508103
686	282626	81158.8586770335		143857.310250766	39.74144202180364	-00.5110416	370530.01229846274	4400152.06489732	2755.442616352833	2625.08483743055	2583.588625748024	2583.26912327813	41.4962741682551	41.8161751023757
687	282627	81818.8586770335		143857.310250766	39.74143647228837	-00.5086963	370730.9647744564	4400146.961013478	2752.634124285785	2626.139627304919	2582.76753446463	2582.76753446463	44.34887329781568	44.7566452639755
688	282628	82478.8586770335		143857.310250766	39.74143073141564	-00.5063509	370581.9171272209	4400144.05376327	2750.84834740989	2627.1273571213955	2579.7508447490277	2579.7311722571343	47.3769907232671	47.7566344628124
689	282629	83138.8586770335		143857.310250766	39.74142510214325	-00.5040056	371122.869357262	4400140.407	2747.0252973156973	2628.3028981753696	2577.734904963762	2577.130670144859	50.20799321160772	50.9220223078041
690	282630	83798.8586770335		143857.310250766	39.7414197163347	-00.5016603	371333.8214449231	4400130.03969028	2743.336797651077	2628.8160572016527	2575.463023528592	2574.852473	53.35302462742904	53.96358418762393
691	282631	84458.8586770335		143857.310250766	39.74141359581221	-00.4993149	371534.7344452139	4400122.03432008	2742.45855221113	2629.43356557328	2573.2994760927175	2572.657661	56.13204962680565	56.77590237313599
692	282632	85118.8586770335		143857.310250766	39.741407774679516	-00.4969562	371735.72531162796	4400120.027113035	2742.619236	2629.837903	2570.98479683345	2570.3521394911286	59.88475498525546	59.498573642631464
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697	282637	88418.8586770335		143857.310250766	39.7413789634443	-00.4852429	372740.4827963592	4400107.99980587	2736.550517404857	2628.188051557423	2560.909733301429	2560.1478182723	67.2783125599424	67.71675345
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701	282641	90938.8586770335		143857.310250766	39.74135190321466	-00.4759174	373546.38982695	4400095.96953973	2722.63797715871	2624.02183314173	2556.58611608925	2556.58611608925	71.2819118916335	70.529932595925
702	282642	91718.8586770335		143857.310250766	39.741347071224574	-00.4735163	373745.2372543896	4400087.97638718	2715.12757602044	2623.15778940424	2556.657078519214	2556.13877761394	72.46537004212053	66.9780015789298
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709	282649	96338.8586770335		143857.310250766	39.7413018827814	-00.457099	375151.888458519	4400059.956	2710.801364195557	2614.398959488683	2556.24340327868	2556.24340327868	79.177336304	58.1559251026153
710	282650	96998.8586770335		143857.310250766	39.7412952460427	-00.4547537	375352.831562092	4400055.953715649	2710.877110041396	2613.037407085916	2556.29913733142	2556.16261180328	79.7628975284965	56.8747960024365
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716	282656	100958.8586770335		143857.310250766	39.741254740335	-00.4406817	376558.53394052141	4400031.946	2700.80506969446	2604.172534989467	2555.6310033707678	2555.932602552722	84.5413311689999	48.23991434674584
717	282657	101618.8586770335		143857.310250766	39.74124750168216	-00.4383364	376759.4828257996	4400027.945724317	2702.47611615997546	2602.5739179119346	2553.712185406254	2554.072989483664	85.6847132056785	45.80092846359903
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722	282662	104918.8586770335		143857.310250766	39.74121207	-00.4266098	377764.225436021	4400007.94701694	2694.125913536423	2594.10052875252	2546.585922204085	2545.31258947075	90.5230847085969	46.7677437476
723	282663	105578.8586770335		143857.310250766	39.74120485412754	-00.4242465								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEVLogKrg.ft	BREIEVLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
65	383	282745	-328701.1413	10454517.310250766	39.73792841820045	-101.9674759	245710.643056543	4042887.807089074	3592.377230647701	34.45.1982301909934	3421.627065930077	3421.2596283088255	3421.57164260916248	23.93840016107877
66	383	282746	-328041.1413	10454517.310250766	39.73800074845979	-101.9651309	245911.71166424898	4042883.651731568	3598.97978082	3443.31038	3419.527962307445	3419.2445719685739	34.78242734049535	24.06650040666237
67	383	282747	-327381.1413	10454517.310250766	39.73802336287065	-101.9627858	246112.7386203356	4042879.406814423	3599.4845631018952	3441.449676988115	3417.272062889701	3417.088175176857	34.71732514810415	24.36145518935852
68	383	282748	-327271.1413	10454517.310250766	39.738045735031779	-101.9604408	246313.8478261949	4042875.341732767	3593.9012562032895	3441.8735065126496	3414.873506512586	3414.7820565227178	34.72031684237993	24.424628077078877
69	383	282749	-326601.1413	10454517.310250766	39.73806814216381	-101.95808957	246514.91558083873	4042871.187101175	3588.316478293889	3437.799526	3412.336825255411	3412.384063976285	34.7064004033904	25.415496132021533
70	383	282750	-325401.1413	10454517.310250766	39.73809050393942	-101.9557506	246715.983048475	4042867.032705059	3582.73167393848	3436.030507826331	3409.79732322495	3410.01468752085	34.706274603385396	25.98882031667881
71	383	282751	-324741.1413	10454517.310250766	39.7381128205209	-101.9535405	246917.05033895476	4042862.874852976	3577.782302360118	3434.220698748193	3407.188340304962	3407.188340304962	34.70235673451111	26.708121286909318
72	383	282752	-324081.1413	10454517.310250766	39.738135091744425	-101.9516005	247118.1173419393	4042866.276638212	3573.465336	3422.445316	3404.433512	3404.844718059112	34.7011803132339992	27.06113529148577
73	383	282753	-323241.1413	10454517.310250766	39.73815717658545	-101.9487158	247319.1840559267	4042864.73058567	3568.784410036441	3430.866226	3401.483422475048	3401.94759596681	34.7022639897128	27.167685711876786
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77	383	282757	-320781.1413	10454517.310250766	39.73824578334004	-101.9393352	248123.44871133324	4042837.958589201	3540.364199508234	3423.10984086823	3386.467112408303	3386.9974112408303	34.7015409591715	36.3135737131278
78	383	282758	-320121.1413	10454517.310250766	39.73826776774099	-101.9369991	248324.5141292984	4042833.60185343	3531.436427098929	3421.3486702133164	3383.4871012204514	3384.064164457937	34.7015409591715	37.28605176575735
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83	383	282763	-316821.1413	10454517.310250766	39.73837708529685	-101.9252647	249329.8302657612	4042810.47042073	3514.882329149676	3410.166749665275	3385.944595723486	3394.697740370566	34.7015409591715	42.2207100926231
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91	383	282771	-311541.1413	10454517.310250766	39.73854963744249	-101.9065041	250938.34254450555	4042778.458895272	3501.7587923499395	3388.897437046732	3378.5204939399194	3418.207897743919	34.7015409591715	50.282761305812749
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93	383	282773	-310221.1413	10454517.310250766	39.73859323246091	-101.901819	251340.469441325	4042771.548	3500.188136905328	3383.968398392563	3375.424567566878	3420.118326298286	34.7015409591715	52.469382
94	383	282774	-309561.1413	10454517.310250766	39.738615339701471	-101.8994687	251541.5296537837	4042767.927454	3504.168101025747	3381.468101025747	3377.98715254772	3408.20710570172	34.7015409591715	53.92601141949205
95	383	282775	-308901.1413	10454517.310250766	39.7386382626481	-101.8971327	251742.58994170702	4042763.25088399	3448.3578805999103	3379.3105694714823	3372.3837810348173	3395.258984724587	34.7015409591715	54.8623843664992
96	383	282776	-308241.1413	10454517.310250766	39.73865601021117	-101.8947786	251943.651023962	4042759.10273489	3438.647679044112	3377.192960448821	3371.3685749557742	3386.587406377692	34.7015409591715	55.82620490178897
97	383	282777	-307581.1413	10454517.310250766	39.73867714885379	-101.8924335	252144.7181804394	4042754.95482733	3428.93147611923145	3375.192370856731	3369.721139138643	3378.2742593001477	34.7015409591715	56.5422374030697
98	383	282778	-306921.1413	10454517.310250766	39.738698241219262	-101.8900884	252345.73886828705	4042751.80715091	3419.227251475107	3373.7799870410768	3373.7799870410768	3373.7799870410768	34.7015409591715	57.5624207403692
99	383	282779	-306261.1413	10454517.310250766	39.73871950227258	-101.8877433	252548.8327150879	4042746.659725918	3408.25079	3371.522616191388	3368.196930372285	3368.196930372285	34.7015409591715	58.633177154
100	383	282780	-305601.1413	10454517.310250766	39.73874022294546	-101.885336	252749.892768443	4042742.12540151	3407.000071594316	3369.826071943616	3367.98715254772	3408.20710570172	34.7015409591715	59.45192129855231
101	383	282781	-304941.1413	10454517.310250766	39.73876125038556	-101.8830351	252948.9526347563	4042738.365690916	3383.76361110177	3368.24131304516	3361.286250898304	3363.632987895075	34.7015409591715	60.633177154
102	383	282782	-304281.1413	10454517.310250766	39.73878216250093	-101.880708	253150.012226086	4042734.218881737	3371.522647460401	3366.722897388676	3358.895944	3360.734103906493	34.7015409591715	61.7295212016578
103	383	282783	-303621.1413	10454517.310250766	39.73880302932824	-101.8783629	253351.0715776496	4042730.072	3363.3307189896877	3356.198207754753	3356.7356414110533	3372.15232512405	34.7015409591715	62.57724547863449
104	383	282784	-302961.1413	10454517.310250766	39.73882385084338	-101.8760178	253552.1306840762	4042726.18218369	3359.1895778340395	3359.1895778340395	3353.3282384377567	3353.3282384377567	34.7015409591715	63.573267201
105	383	282785	-302301.1413	10454517.310250766	39.738844627054434	-101.8737672	253753.1986487805	4042721.78019478	3358.044368763912	3354.04368763912	3350.197349609376	3350.197349609376	34.7015409591715	64.480548713
106	383	282786	-301641.1413	10454517.310250766	39.7388653796136	-101.8713726	253964.2841665826	4042717.34454922	3350.90729552743	3350.90729552743	3347.584076053115	3347.584076053115	34.7015409591715	65.38579008455496
107	383	282787	-300981.1413	10454517.310250766	39.73888632705761	-101.868981	254155.4064323067	4042713.154	3348.407813386727	3348.407813386727	3345.407813386727	3345.407813386727	34.7015409591715	66.38579008455496
108	383	282788	-300321.1413	10454517.310250766	39.73890760683626	-101.8666374	254356.3647711942	4042709.34364483	3350.290094202732	3347.584076053115	3341.6053924079174	3341.6053924079174	34.701540959171	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SatHtLogsKrg.	SatHtBothKrg.
130	282874	-245451.1413	1045451.7310250766	39.404681894411574	-116.7918988	104373.36431318796	4020366.122443731	3528.93252747156117	3313.542790904383	3236.4987583990606	3244.686601761196	37.04365090137768	88.85604759224246	
131	282874	-244881.1413	1045451.7310250766	39.404784729322228	-116.6994364	104374.24440051054715	4020361.397344001	3527.20037031	3312.448796878534	3235.064521	3240.07188133692838	37.23467709103828	72.38476716154383	
132	282873	-244221.1413	1045451.7310250766	39.404784729322228	-116.6978794	104374.440645672051	4020371.872439391	3525.468692272051	3313.542790904383	3236.4987583990606	3242.633030171696	37.64876153624535	72.3713737990967	
133	282874	-243651.1413	1045451.7310250766	39.40452126322141	-116.6645631	104373.6546478989307	4020333.747019507	3527.357801483067	3312.9956174848353	3235.064521	3235.484303390325	37.25183740178045	74.76310424668327	
134	282875	-242901.1413	1045451.7310250766	39.405286101048	-116.6626079	104374.5166988315	4020348.623899313	3524.3411253492477	3308.1041693759835	3232.81634496431	3235.55134178565	37.4328421163236	73.585039581704	
135	282876	-242421.1413	1045451.7310250766	39.40545461	-116.6602527	104374.72048.5542781156	4020349.496216826	3527.284031	3309.205808933015	3233.0475088145736	3233.7876445806916	37.6981001184414	74.2406424742903	
136	282877	-241811.1413	1045451.7310250766	39.4056222465864	-116.6579175	104374.925916933325	4020341.375283259	3530.22699303233	3306.9142588540203	3233.7732504560067	3224.79044040165	37.1392083876023	82.1190281423727	
137	282878	-240921.1413	1045451.7310250766	39.40578785232096	-116.6555723	104374.6287647756	4020337.251598917	3513.168641777836	3305.7919817765874	3234.93435034585	3221.1858414007	37.0585467420253	80.6584673268056	
138	282879	-240261.1413	1045451.7310250766	39.4058353026106	-116.6532271	104374.6565720511	4020331.68236083	3523.854975378855	3304.767028379164	3236.367506320166	3222.038422715913	37.6981001184414	82.6369287759017	
139	282880	-239501.1413	1045451.7310250766	39.405711774942435	-116.650818	104374.720523556527	4020329.004891414	3523.282370549813	3303.5571569421814	3233.33521236017	3222.70065526535	36.2020471715917	79.8369057788453	
140	282881	-238941.1413	1045451.7310250766	39.4062802166831	-116.6485366	104373.78638152368	4020324.88194112	3525.7096881336	3302.40350601295	3240.8700232878474	3227.5402732878474	36.15965408	74.8632671334752	
141	282882	-238281.1413	1045451.7310250766	39.40645453233069	-116.6461914	104373.75254.77512506876	4020320.759205069	3522.13706053181	3301.264993267235	3234.770074074406	3231.5946848518967	37.4328421163236	69.6703247482671	
142	282883	-237621.1413	1045451.7310250766	39.4066902	-116.6438462	104373.74551811655381	4020316.376870804	3516.1034792561193	3300.120046511744	3247.332132386839	3236.788321924216	35.7898913643334	64.3138265875826	
143	282884	-236961.1413	1045451.7310250766	39.4067721038029	-116.6415009	104373.7367656847	4020312.51450737	3507.609549778	3298.974833676623	3251.591343479947	3242.384912722744	47.38349020867599	56.58991240438524	
144	282885	-236301.1413	1045451.7310250766	39.40683459939565	-116.6391557	104373.73857.8825238758	4020308.34232299	3509.14430718987	3297.4201732734275	3256.899538462553	3243.191410496868	40.9248693891999	48.6898273776888	
145	282886	-235641.1413	1045451.7310250766	39.4070965299124	-116.636729	104373.7476915818	4020304.270853184	3509.619904500358	3296.8603343654465	3262.8117701760316	3256.61132026325	33.8485611939489	40.0490137371164	
146	282887	-234981.1413	1045451.7310250766	39.4072581129683	-116.6344653	104373.74259.92992121	4020300.14911383	3498.53076669553	3295.492916123013	3268.4736796426914	3264.6192217263576	37.219719812321524	30.87369484665326	
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148	282889	-233661.1413	1045451.7310250766	39.40758385369214	-116.6297748	104373.74662.022519316	4020291.90657917	3502.205926085346	3293.1398232474055	3281.8520396572037	3281.1698086062882	11.28751928864279	11.978932483146436	
149	282890	-233001.1413	1045451.7310250766	39.4077400443106	-116.6274296	104373.74863.05701921872	4020287.98579299	3500.5350507932427	3291.953751872713	3279.452053237346	3281.768296693419	12.16053730469680	12.16053730469680	
150	282891	-232341.1413	1045451.7310250766	39.4078997810214	-116.6250843	104373.75064.09131	4020283.66534718	3511.9611981789706	3290.7623907184124	3267.3156323541042	3267.58988888071	37.465754727471865	23.17250184622844	
151	282892	-231681.1413	1045451.7310250766	39.4080590666872	-116.6227391	104373.75265.19217943426	4020275.50030346	3512.483657271367	3289.5663115611	3251.909517389977	3251.6985137358574	37.23467717528241	37.66831777528241	
152	282893	-231021.1413	1045451.7310250766	39.4082174744229	-116.619957	104373.75466.159072085	4020269.70928991	3513.3486041121328	3281.13904159653363	3248.226865	3248.226865	37.14002627170592	92.483095133014	
153	282894	-230361.1413	1045451.7310250766	39.4083376726211	-116.6180046	104373.75667.1924547326	4020253.30030498	3513.527004468774	3282.164707737425	3232.125540905855	3222.855753443195	37.04365090137768	61.403029913131	
154	282895	-229701.1413	1045451.7310250766	39.4085342019683	-116.6157034	104373.75868.229972413	4020257.185409415	3514.550804614878	3285.99534429163	3211.920619222276	3211.69453152783	74.038653196868	74.26500420913313	
155	282896	-229041.1413	1045451.7310250766	39.40869167423504	-116.6133581	104373.76069.25912865147	4020253.06023104	3515.791724203046	3284.7532015525408	3203.859726269406	3203.86193	80.8934258	80.8917219530175	
156	282897	-228381.1413	1045451.7310250766	39.408848693217	-116.6110129	104373.76270.2920381045	4020258.548678037	3517.12204901857	3283.5468720149756	3298.2579851397554	3298.485716263741	85.0888687522021	85.0611575123476	
157	282898	-227721.1413	1045451.7310250766	39.4090053	-116.6086877	104373.76471.3473092386	4020254.827968196	3518.4635598387534	3282.3417650273927	3293.9467398217034	3293.9467398217034	88.3902536586922	88.3902536586922	
158	282899	-227061.1413	1045451.7310250766	39.40916173255134	-116.6063294	104373.76672.352021985	4020252.70928991	3519.584901715208	3281.13904159653363	3293.9467398217034	3293.9467398217034	90.181369686823	90.181369686823	
159	282900	-226401.1413	1045451.7310250766	39.409317	-116.6039772	104373.76873.38493317	4020246.9507177	3520.675572600353	3279.48167793845	3291.966175900944	3291.966175900944	93.1793712959044	93.0856528	
160	282901	-225741.1413	1045451.7310250766	39.409472235349	-116.6016139	104373.77074.42148850442	4020242.4759893	3515.2045213985194	3278.745990769003	3283.6846077525215	3283.58962348913	96.08118301648165	95.20613782573491	
161	282902	-225081.1413	1045451.7310250766	39.40962689931341	-116.5992867	104373.77275.4523990531	4020238.355	3515.63316807308017	3281.726367076923	3281.726367076923	3281.726367076923	95.0300130200937	96.0693248	
162	282903	-224421.1413	1045451.7310250766	39.4097819383045	-116.5969415	104373.77476.4848930357	4020234.327017187	3511.98802	3276.380507496994	3281.3433939719162	3281.1905594554254	95.0456672752031	95.1984512947404	
163	282904	-223761.1413	1045451.7310250766	39.4099351414445	-116.5945962	104373.77677.5162628197	4020230.11535517	3510.266814284207	3276.252569014964	3281.5314181777073	3281.5314181777073	93.861358975696134	93.861358975696134	
164	282905	-223101.1413	1045451.7310250766	39.4100853597535	-116.592251	104373.77878.547424795	4020226.00231129	3508.5449615417206	3280.305203061527	3271.5971979007271	3271.5971979007271	92.528581	92.528581	
165	282906	-222441.1413	1045451.7310250766	39.4102371474229	-116.589957	104373.78079.578329698	4020218.385191856	3507.44268692696	3272.04685928348	3272.04685928348	3272.04685928348	92.483095133014	92.483095133014	
166	282907	-221781.1413	1045451.7310250766	39.410387657885	-116.587565	104373.78278.6089297746	4020217.7686175	3506.4916359225	3264.804771120724	3269.82819140304	3269.82819140304	91.871619	91.871619	
167	282908	-221121.1413	1045451.7310250766	39.410546	-116.5852152	104373.78481.6396	4020213.652045789	3500.282193047664	3261.007928313993	3261.007928313993	3261.007928313993	90.4977720517597	92.076834519543	
168	282909	-220461.1413	1045451.7310250766	39.4106976	-116.58287	104373.78682.6668923513	4020209.35768977	3498.489994573467	3259.982274590055	3259.982274590055	3259.982274590055	91.79233191371986	91.79233191371986	
169	282910	-219801.1413	1045451.7310250766	39.4108478123454	-116.5805247	104373.78883.6995390843	4020205.419731304	3492.697858071725	3258.9662370172844	3258.9662370172844	3258.9662370172844	89.59764961	91.7464585862922	
170	282911	-219141.1413	1045451.7310250766	39.4109993884015	-116.5781795	104373.79084.7298572205	4020201.30393273	3490.3295976312184	3257.9792790158443	3257.9792790158443	3257.9792790158443	91.87385975696134	91.87385975696134	
171	282912	-218481.1413	1045451.7310250766	39.4111491134315	-116.5758342	104373.79285.7984177706	4020197.188733426	3488.590515417206	3256.905203061527	3271.5971979007271	3271.5971979007271	92.528581	92.528581	
172	282913	-217821.1413	1045451.7310250766	39.41129811892	-116.573581	104373.79486.818301192	4020193.32329232	3486.14349615417206	3255.8349615417206	3271.5971979007271	3271.5971979007271	92.528581	92.528581	
173	282914	-217161.1413	1045451.7310250766	39.4114486971007	-116.5711437	104373.79687.818031051	4020189.957917837	3484.9516359225	3264.804771120724	3269.82819140304	3269.82819140304	91.871619	91.871619	
174	282915	-216501.1413	1045451.7310250766	39.41159756165494	-116.5687984	104373.79888.840123819	4020184.84317935	3486.98134041861	3263.813251984387					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatHtKgrs.ft	SatHtBoth.ft
317	38	282997	-162281.1413	10454517.310250766	39.4222625066944	-101.3768444	396273.50652679626	40101848.239893953	3305.396300789922	3139.2724148	3053.098909387546	3052.4083682191376	86.175238739416	86.86577995
318	38	282998	-161721.1413	10454517.310250766	39.4222373763237	-101.374139	396573.51625575945	40101844.13964411	3305.119049	3137.309701680587	3051.529883649169	3051.002576	86.3798103142156	86.9071251435787
319	38	282999	-161561.1413	10454517.310250766	39.4222465654849	-101.371763	396734.528765177	40101840.04917368	3305.339672988416	3136.539672988416	3049.627897323508	3049.2588904894917	86.3787891424372	86.87891424372
320	38	293000	-160401.1413	10454517.310250766	39.4225949172609	-101.369444	396975.5411162681	40101855.46326354	3305.1589972391465	3047.643054898354	3045.155987169618	3045.155987169618	86.00277855853074	86.00277855853074
321	38	293001	-159741.1413	10454517.310250766	39.42270418456835	-101.3671031	297176.5522	40101831.860317462	3305.49326223453	3133.7779643520416	3045.056954356603	3044.696181926184	89.0102099957842	89.0102099957842
322	38	293002	-159081.1413	10454517.310250766	39.4228142587678	-101.3647577	297377.5631816695	40101827.766	3295.00473	3132.395976246741	3042.063035580527	3041.8276911043242	90.5668271443242	90.5668271443242
323	38	293003	-158421.1413	10454517.310250766	39.4229232488955	-101.3624124	297578.5791669254	40101823.67241297	3281.8479467396974	3130.313494569274	3039.5309951578585	3039.2221642400624	91.8933993269545	91.7913014921354
324	38	293004	-157761.1413	10454517.310250766	39.4230317878428	-101.3600671	297779.5844555174	40101819.67814429	3288.3845643934087	3129.63049172384	3039.73856343109	3039.623948297493	90.4079933456707	90.4079933456707
325	38	293005	-157101.1413	10454517.310250766	39.4231386727178	-101.3577127	297989.594796487	40101816.58465941	3284.921182047171	3108.59463989565	3040.382946830665	3040.7856583559876	87.8856543428892	87.8856543428892
326	38	293006	-156441.1413	10454517.310250766	39.42323470544841	-101.3553574	298181.604359016	40101811.32940393	3281.457790700305	3126.96725607795	3040.794219351984	3040.925303473773	86.073472559117	85.9173261604175
327	38	293007	-155781.1413	10454517.310250766	39.4233456831418	-101.3530311	298382.6148771182	40101807.29447001	3280.024584343099	3125.4828871122186	3041.2238112421854	3041.28322303691	84.2644780700315	84.2050858815275
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359	38	293039	-134661.1413	10454517.310250766	39.424657515667	-101.278027	304804.78967083	40101676.198179	3170.227458994028	3078.923919830003	3030.923919830003	3030.923919830003	47.75712261646376	47.75712261646376
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361	38	293041	-133341.1413	10454517.310250766	39.42467									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
433	283123	-79221.14133	10454517.310250766	39.432725622281	-101.0809885	321688.48315057	4103334.14089669	3045.977150789135	2924.700928272751	2936.187858319212	2936.027085832808	0	0	
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447	283127	-76581.14133	10454517.310250766	39.432926498355	-101.0715869	322502.4311355056	4103317.882	3099.51613626795	2923.80532878497	2924.7625828879864	2925.2983941427638	0	0	
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479	283159	-55461.14133	10454517.310250766	39.4343786537582	-100.9965341	328933.9627468334	4103188.963578	3918.013259	2911.807135050528	2902.847303793024	2902.872028550816	29.39392760254575	29.65898323699276	
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481	283161	-54141.14133	10454517.310250766	39.4344532440595	-100.9918433	329335.167898233	4103179.83092243	3918.0101223	2909.21090691695	2907.6723813269914	2907.3480595719	31.5397282178087	31.4738671345067	
482	283162	-53481.14133	10454517.310250766	39.43448917922514	-100.9894799	329536.8986647345	4103175.78003116	3918.0105870437901	2909.866123607948	2907.5326469964384	2907.6329150477	31.33347561150564	31.2387629290026	
483	283163	-52821.14133	10454517.310250766	39.43452567091374	-100.9871525	329737.8803	4103171.72427043	3918.020690317504	2909.506143786459	2907.6512454153595	2907.7539895491982	31.05019244919532	31.7394015330466	
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487	283167	-50181.14133	10454517.310250766	39.4346671063599	-100.9777709	330541.8053077761	4103155.40370557	3908.3764662257	2907.028234597638	2907.321969332058	2907.730164644414	29.71074666528732	29.12659685394845	
488	283168	-49521.14133	10454517.310250766	39.43470170332941	-100.9754255	330742.7861361883	4103151.48863199	3908.3764662257	2907.028234597638	2907.321969332058	2907.730164644414	29.71074666528732	29.12659685394845	

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThcLog.s	SatThcBoth.ft
568	383249	4938.858673033514	104517.310250766	39.43596878864345	-100.785447	347021.7066059832	40082083.21085195	2884.342591937145	2726.71859885805196	2752.997436141661	2753.30148184765716	0
570	383250	4938.858673033514	104517.310250766	39.43596585779045	-100.783116	347222.5746600612	4008019.76885851	2883.058483725537	2724.2531087191728	2748.97407086593075	2748.97407086593075	0
571	383251	4938.858673033514	104517.310250766	39.4359647378039	-100.786562	347623.5702893042	4008015.78192328	2880.15277849703	2721.8036367477188	2746.4813418849175	2746.4813418849175	0
572	383252	4938.858673033514	104517.310250766	39.43595883668375	-100.784108	347624.031	4008017.7011621	2875.625475059795	2719.3779543878878	2743.006326044552	2743.293104280502	0
573	383253	4938.858673033514	104517.310250766	39.4359543464301	-100.776054	347825.5779397429	4008007.67270516	2871.0891722728216	2716.967063483828	2739.9191490282255	2740.097840698064	0
574	383254	4938.858673033514	104517.310250766	39.4359460304314	-100.77372	348026.5454061381	4008003.638	2866.570864859447	2714.538755723482	2736.882024246267	2737.1155611904607	0
575	383255	4938.858673033514	104517.310250766	39.4359444065227	-100.7717345	348227.5127612927	400799.604	2864.95263737028	2712.1952627239493	2733.898551215703	2734.175147862986	0
576	383256	4938.858673033514	104517.310250766	39.4359375666855	-100.7690291	348428.4799959121	400756.570652247	2866.16427403274	2709.831272748606	2730.876710095536	2731.194344298357	0
577	383257	4938.858673033514	104517.310250766	39.4359365408954	-100.766867	348629.4469	4007591.537106872	2867.4023113190715	2707.4655891698518	2728.956832640599	2728.956832640599	0
578	383258	4938.858673033514	104517.310250766	39.4359250981602	-100.764383	348830.4138097333	4007787.503797963	2868.640348690756	2705.158479050956	2724.36168309953	2724.36560131568	0
579	383259	4938.858673033514	104517.310250766	39.4359180981059	-100.7619929	349031.3805461654	4007833.47072504	2865.461214957192	2702.851261366885	2721.178033945424	2721.7138967354075	0
580	383260	4938.858673033514	104517.310250766	39.4359161	-100.7596475	349232.3471372021	400779.437888697	2857.864913613807	2700.5664890243803	2717.951885163057	2718.48358558156	0
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582	383262	4938.858673033514	104517.310250766	39.4358993	-100.7549566	349634.2798640376	400771.372924435	2842.672301169755	2696.07988010725	2711.7666910954995	2712.735719751515	0
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587	383267	4938.858673033514	104517.310250766	39.4358467386688	-100.7432296	350639.1092214496	400751.214647139	2803.3290446196277	2685.587404857374	2700.102589016304	2700.03635175602	0
588	383268	4938.858673033514	104517.310250766	39.4358361366085	-100.7408842	350840.07475683134	400747.183982046	2792.5742262904461	2683.659105136073	2698.3839774196986	2698.314063279765	0
589	383269	4938.858673033514	104517.310250766	39.43582604762203	-100.7385387	351041.0404087932	400743.15287521	2781.820407984937	2681.7967398979204	2696.9259951889041	2696.7789596269106	0
590	383270	4938.858673033514	104517.310250766	39.4358120826991	-100.7361933	351242.0051974412	400739.12512852	2771.06077859678	2680.006791459593	2695.629613591384	2695.481899650308	0
591	383271	4938.858673033514	104517.310250766	39.4357956544454	-100.7335257	351426.9222458304	400735.2892245304	2764.829554786178	2678.5786132881185	2694.423100158997	2694.423100158997	0
592	383272	4938.858673033514	104517.310250766	39.43578736725657	-100.7315025	351643.935056235	400731.062220424	2757.305059530494	2676.5947229633816	2693.969896020454	2693.7965535496	0
593	383273	4938.858673033514	104517.310250766	39.435773383337	-100.7291571	351844.8997856574	400727.652652022	2751.716652600321	2674.9734009287886	2694.382582900967	2694.484901745183	0
594	383274	4938.858673033514	104517.310250766	39.4357596772816	-100.7268117	352045.863430322	400723.002976046	2746.1277514473923	2673.396961541746	2695.5954281822555	2696.173821428808	0
595	383275	4938.858673033514	104517.310250766	39.4357483180945	-100.7244663	352246.8287981963	400718.937828119	2738.2193373382984	2671.857986575433	2692.8647857271512	2693.57359234904	0
596	383276	4938.858673033514	104517.310250766	39.43573060577425	-100.7221758	352447.793091291	400714.944624294	2727.991413722067	2670.39473712016	2698.6681503016075	2698.146189527084	0
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601	383281	4938.858673033514	104517.310250766	39.4356502471776	-100.710398	353452.614232363	400694.80287835	2700.056361929193	2663.0621303249163	2653.6566081133956	2653.0290194061736	8.40522211520747
602	383282	4938.858673033514	104517.310250766	39.4356391605944	-100.7080484	353653.578770035	400690.857234984	2701.069805801304	2661.6214279951374	2652.776764834807	2652.776764834807	9.171937705
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612	383292	4938.858673033514	104517.310250766	39.43543733379057	-100.6845942	355663.2026265704	400670.50152	2700.761608573042	2647.06144259906	2612.0747335920485	2612.0747335920485	68.236038710538
613	383293	4938.858673033514	104517.310250766	39.4354111669924	-100.6822488	355864.163538945	400664.468	2700.773419243445	2645.563279	2628.962418662245	2628.962418662245	76.966332278903
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615	383295	4938.858673033514	104517.310250766	39.435376494556	-100.677558	356266.087939674	400638.437371375	2700.883427287232	2642.530377176702	2633.8758658817836	2633.8758658817836	91.6566134012249
616	383296	4938.858673033514	104517.310250766	39.43534120147075	-100.6752126	356467.0494348945	400634.41033524	2700.7826010221347	2640.995351968465	2635.98673050856	2634.6113253729627	9.94026595497744
617	383297	4938.858673033514	104517.310250766	39.4353169732637	-100.6726762	356668.0107915812	400630.38883791	2700.65016568962	2639.449812348762	2637.537481210949	2636.591746823174	32.42883736629514
618	383298	4938.858673033514	104517.310250766	39.4352922971	-100.6705218	356869.127011135	400626.35057959	2700.6231211658749	2637.89190924968	2637.770591476478	2637.770591476478	0
619	383299	4938.858673033514										

id	ts	X.Yr	Y.Yr	Latitude	Longitude	UTM.X	UTM.Y	SurfLev.T	W.Ln	BREWLogskg.h	BREWBotkgr.h	SurfLkts.h	SurfBot.h
695	383	283375	87458.85867/307335	14545173170250766	79.34230310855766	-100.4899259	327234.5894	4400317.2351117935	2743.446229017688	259.94974722276197	2553.326592928628	59637.3220906029	58.71712329971718
696	383	283376	87458.85867/307335	14545173170250766	79.34319710602371	-100.4875085	327243.54049740126	4400313.23	2740.333653521054	262.8108247502087	2561.341547344337	59.6692500591496	57.25888239067908
697	383	283377	87458.85867/307335	14545173170250766	79.3431961188817728	-100.4852351	327244.4501252395	4400309.224	2742.752860683172	262.97363612387274	2560.3496467927354	59.58916173213736	56.1240323466944
698	383	283378	87458.85867/307335	14545173170250766	79.343184865018266	-100.4828897	327245.4423362143	4400305.219	2741.181726205195	262.9797841	2558.390367685214	55.6840940025311	56.0849041716875
699	383	283379	87458.85867/307335	14545173170250766	79.34317881	-100.4816013	327246.391465392401	4400301.255	2733.110619613967	262.9525295925925	2557.845906000682	55.5581961246387	56.0819322667968
700	383	283380	87458.85867/307335	14545173170250766	79.34317273117261	-100.4802933	327247.316571226817	4400299.303	2734.1857122681	262.9451751264817	2556.819401087063	55.4913401087063	56.0791213146435
701	383	283381	87458.85867/307335	14545173170250766	79.3431661366587	-100.4775853	327354.2943130746	4400293.50682306	2728.8012815819343	262.92246054330897	2556.136097295858	55.4561895238961	56.0502481341919
702	383	283382	87458.85867/307335	14545173170250766	79.34316013925967	-100.4750811	327349.247146819	4400289.216040585	2727.294688	262.92028004017546	2556.450265316112	55.4561895238961	56.0340146865245
703	383	283383	87458.85867/307335	14545173170250766	79.34315382	-100.4711628	327350.194966264	4400285.19734712	2726.3167021932953	262.921269141467856	2556.44209717577	55.4561895238961	56.0340146865245
704	383	283384	87458.85867/307335	14545173170250766	79.3431454505105	-100.4688174	327351.1451580192	4400281.79431462	2725.86593040229	262.9203615626196	2556.44209717577	55.4561895238961	56.0340146865245
705	383	283385	87458.85867/307335	14545173170250766	79.3431401445443	-100.466472	327352.0962016087	4400279.17065696	2725.4129756561298	262.917495273729	2556.44209717577	55.4561895238961	56.0340146865245
706	383	283386	87458.85867/307335	14545173170250766	79.343135811261	-100.4641812	327353.994924197	4400278.1819084	2724.717975564376	262.916246869625	2556.44209717577	55.4561895238961	56.0340146865245
707	383	283387	87458.85867/307335	14545173170250766	79.34312806731357	-100.4618712	327354.994924197	4400277.1819084	2724.717975564376	262.916246869625	2556.44209717577	55.4561895238961	56.0340146865245
708	383	283388	87458.85867/307335	14545173170250766	79.3431251423983	-100.4594358	327354.994924197	4400276.1819084	2724.717975564376	262.916246869625	2556.44209717577	55.4561895238961	56.0340146865245
709	383	283389	87458.85867/307335	14545173170250766	79.34311495	-100.4570594	327355.8941766851	4400275.17961035	2723.1377052952805	262.91468493	2556.44209717577	55.4561895238961	56.0340146865245
710	383	283390	87458.85867/307335	14545173170250766	79.34310831173573	-100.4547451	327356.8941766851	4400274.17961035	2722.1671052952805	262.9127052952805	2556.44209717577	55.4561895238961	56.0340146865245
711	383	283391	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
712	383	283392	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
713	383	283393	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
714	383	283394	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
715	383	283395	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
716	383	283396	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
717	383	283397	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
718	383	283398	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
719	383	283399	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
720	383	283400	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
721	383	283401	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
722	383	283402	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
723	383	283403	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
724	383	283404	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
725	383	283405	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
726	383	283406	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
727	383	283407	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
728	383	283408	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
729	383	283409	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
730	383	283410	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
731	383	283411	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
732	383	283412	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
733	383	283413	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
734	383	283414	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
735	383	283415	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
736	383	283416	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
737	383	283417	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
738	383	283418	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
739	383	283419	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
740	383	283420	87458.85867/307335	14545173170250766	79.3431016351344	-100.4524997	327357.792562506	4400273.17443878	2721.7063204052819	262.91077626204052819	2556.44209717577	55.4561895238961	56.0340146865245
741	383	283421	87458.85867/307335	14545173170250766	79.3431016								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BREIEvLogKrg.f	BothVehLogKrg.f	SurBothLogKrg.f
81	384	283501	-318141.1413	1045177.3170250766	39.7401464383884	-01.9299832	248931.8732413413	40430022.68800705	3539.5115881295624	317.1539289093213	3383.544633041778	3879.879471561279	39.740239964854318
82	384	283502	-317481.1413	1045177.3170250766	39.74016825759639	-01.927638	249132.5075000813	404318.536235101	3540.170705112676	3384.559708916253	3391.46891493497574	38.754254241903367	23.358423605699727
83	384	283503	-316821.1413	1045177.3170250766	39.74019003105358	-01.9252929	249334.00151091424	404314.34739331	3537.2448675309624	3412.742457817135	3386.778025737887	3394.24141071773363	26.598853274344612
84	384	283504	-316161.1413	1045177.3170250766	39.74021175920347	-01.9229477	249535.0652740297	4043010.23	3543.003381515276	3409.803959159234	3388.083426344546	3397.3101344003505	23.72006463476823
85	384	283505	-315501.1413	1045177.3170250766	39.74023342050572	-01.9206026	249736.1287896396	4043006.02	3542.731879181222	3407.133583041159	3385.807269739581	3399.4252168774065	21.32631330657796
86	384	283506	-314841.1413	1045177.3170250766	39.74025505795263	-01.9182575	249937.192505791373	4043193.639368	3518.413094262207	3404.387003994540	3385.18230076726	3401.4447572147206	19.239251825244355
87	384	283507	-314181.1413	1045177.3170250766	39.74027661829974	-01.9159123	250138.25507917252	4043781.080698	3514.110378624298	3401.591276721144	3384.354242665013	3403.600163	17.23684254663083
88	384	283508	-313521.1413	1045177.3170250766	39.740298218762796	-01.9135672	250339.31785306505	4042993.60774974	3511.815614105397	3398.7343652894505	3383.2042065754044	3385.01805806863	15.51581774046102
89	384	283509	-312861.1413	1045177.3170250766	39.74031972039584	-01.911222	250540.2689811635	4042989.48070336	3509.520830464958	3395.9314747404708	3381.4534622532026	3407.5894460521925	14.498985141681871
90	384	283510	-312201.1413	1045177.3170250766	39.74034117671516	-01.9088769	250741.4422	4042995.330872146	3507.226045654934	3393.182181	3380.47257398314	3402.98957508544	12.7090654210582
91	384	283511	-311541.1413	1045177.3170250766	39.7403627673338	-01.9065317	250942.50469726227	4040981.181281305	3500.734751193139	3390.452992610777	3378.8748545497444	3412.980256	11.75701171235234
92	384	283512	-310881.1413	1045177.3170250766	39.7403836344754	-01.904186	251143.5664861259	4040977.01303808	3490.046941631294	3387.9368649258	3371.9311968501434	3415.748538470153	10.40248964
93	384	283513	-310221.1413	1045177.3170250766	39.7404052738591	-01.9018415	251344.62200913357	4040972.8283	3479.359137331204	3385.218703498312	3375.875924339963	3417.862567830207	9.13446258315852
94	384	283514	-309561.1413	1045177.3170250766	39.74042654896146	-01.8994963	251545.68932649613	4040968.733505079	3468.671130301114	3382.7417256714552	3374.336188773998	3403.79960161782	8.40553679405549
95	384	283515	-308901.1413	1045177.3170250766	39.74044477876119	-01.8971511	251748.75037841804	4040958.6521519	3458.523594304152	3380.3716541074978	3372.728485	3393.702471736884	7.84119961937583
96	384	283516	-308241.1413	1045177.3170250766	39.74046086325599	-01.894806	251947.1811810815	4040950.34032517	3448.915029736244	3378.116987767156	3371.624061804598	3386.07585502498	6.507637072117632
97	384	283517	-307581.1413	1045177.3170250766	39.74048010244589	-01.8924068	252148.8717467118	4040955.2487837915	3439.006565188353	3375.9616634813256	3369.711082882034	3379.796767555932	5.563005092921374
98	384	283518	-306921.1413	1045177.3170250766	39.74051119633078	-01.8901157	252349.93206361696	4040952.140857392	3429.700020051032	3373.918441749734	3367.984451157931	3375.2267281142791	4.52630950918031945
99	384	283519	-306261.1413	1045177.3170250766	39.74053224481068	-01.8877705	252550.9921	4040947.993023713	3419.67731541931	3371.9766207107223	3365.3666154318826	3370.087580582669	3.61000529
100	384	283520	-305601.1413	1045177.3170250766	39.7405534818552	-01.8854254	252752.05196367414	4040943.48577945	3409.23995729467	3370.1291558350576	3363.423936605086	3367.084580896243	2.6052194147812
101	384	283521	-304941.1413	1045177.3170250766	39.7405742061552	-01.8838002	252953.1154727977	4040939.6899203	3398.802464347633	3368.368043277094	3361.1394668634357	3363.961467330798	1.72285734633579
102	384	283522	-304281.1413	1045177.3170250766	39.7405951881986	-01.880735	253154.17086850038	4040935.55164418	3386.364210894678	3358.46490452133	3356.46757070596	3360.117853744304	0.7617828750638091
103	384	283523	-303621.1413	1045177.3170250766	39.740616078768	-01.878329	253362.1639540223	4040931.05	3384.5240467238815	3356.42162383813	3354.228989276363	3357.423819	0.18751085289393
104	384	283524	-302961.1413	1045177.3170250766	39.7406368023348	-01.8760447	253556.2883540726	4040927.258	3371.736855	3363.510738048625	3351.861302758495	3352.329714014574	11.656807425131307
105	384	283525	-302301.1413	1045177.3170250766	39.7406575848243	-01.8739696	253757.34743433258	4040923.112425132	3364.1314718703247	3362.0105	3348.322204903941	3348.279096	11.61807446320016
106	384	283526	-301641.1413	1045177.3170250766	39.74067816426084	-01.8713544	253958.4058096576	4040918.9620508	3356.52562844399	3356.52562844399	3344.622243893637	3344.510117764205	11.90338255035318
107	384	283527	-300981.1413	1045177.3170250766	39.7406990256347	-01.8690902	254159.4633242292	4040914.02313295	3352.15446693147	3352.15446693147	3340.997203825235	3340.997203825235	11.90338255035318
108	384	283528	-300321.1413	1045177.3170250766	39.74071964339729	-01.866664	254360.5218134327	4040910.67500779	3351.017695326569	3351.017695326569	3337.907343056249	3337.76956518713	11.11006192132068
109	384	283529	-299661.1413	1045177.3170250766	39.74074023824749	-01.864318	254561.578448698	4040906.52972469	3348.89496105991	3335.547029154964	3335.523630370797	3335.523630370797	14.53891468030778
110	384	283530	-299001.1413	1045177.3170250766	39.740761814681	-01.8619377	254762.638450203	4040929.385	3348.7441025954127	3348.7441025954127	3333.62589531492	3333.62589531492	12.12130961320263
111	384	283531	-298341.1413	1045177.3170250766	39.74078124046338	-01.8596285	254963.693980904	4040924.2936201	3348.9585893804106	3348.9585893804106	3331.8103709382537	3331.3365811641213	11.74708640585245
112	384	283532	-297681.1413	1045177.3170250766	39.74080173674376	-01.8572834	255164.75090906987	4040919.95038004	3350.600475920713	3350.600475920713	3329.73250664807	3329.73250664807	21.2335169273909
113	384	283533	-297021.1413	1045177.3170250766	39.74082216797979	-01.8549382	255365.8057840964	4040915.0183625	3352.226201380036	3351.089382349179	3328.0511125126404	3328.0511125126404	23.72948017389464
114	384	283534	-296361.1413	1045177.3170250766	39.74084253697906	-01.852593	255566.8640062354	4040889.807191456	3353.845365168006	3349.83077299137	3325.842546448723	3325.226291399137	24.34824056044016
115	384	283535	-295701.1413	1045177.3170250766	39.7408628606734	-01.8502478	255767.920192757	4040881.66319548	3352.03245974144	3348.94785151432	3323.558706251347	3323.011768089889	25.58301761055433
116	384	283536	-295041.1413	1045177.3170250766	39.7408831306217	-01.847926	255968.913816922	4040877.519811711	3350.277813763276	3347.38215242826	3320.78113074865	3320.78113074865	26.6170112387047
117	384	283537	-294381.1413	1045177.3170250766	39.74090337154846	-01.8455575	256178.931942637	4040873.37626068	3346.0255016141733	3346.0255016141733	3318.9216259615063	3318.5048027427214	27.27366596293546
118	384	283538	-293721.1413	1045177.3170250766	39.74092355931844	-01.8432123	256371.087404689	4040869.23126556	3347.773129439687	3345.037742949935	3316.895237036272	3316.4984474254964	28.53304673014892
119	384	283539	-293061.1413	1045177.3170250766	39.7409437402492	-01.8408671	256572.142628920	4040865.09029491	3369.05481527863	3343.91471588298	3318.30706189899	3318.30706189899	29.58458624627231
120	384	283540	-292401.1413	1045177.3170250766	39.740963799568156	-01.8385219	256773.1971289633	4040860.947676348	3367.806678922383	3342.63395271946	3321.10835460342	3321.10835460342	31.7251389160379
121	384	283541	-291741.1413	1045177.3170250766	39.740983851427494	-01.8361767	256974.2525905052	4040856.82934434	3366.686485293434	3341.80956841954	3324.840405	3324.840546076582	32.17353472848992
122	384	283542	-291081.1413	1045177.3170250766	39.7410038579601	-01.8338315	257175.3068590514	4040852.63190571	3365.50306022459	3340.541541023287	3328.49576019432	3328.49576019432	33.7567268147501
123	384	283543	-290421.1413	1045177.3170250766	39.74102392826346	-01.831492	257376.3685948928	4040848.329129848	3364.324314539198	3339.42314539198	3327.42314539198	3327.42314539198	34.89789793431
124	384	283544	-289761.1413	1045177.3170250766	39.7410437516486	-01.8291412	257577.4514565203	4040844.7595652	3363.131206940048	3339.1777457377096	3336.458645003709	3335.890697345025	35.21903243017865
125	384	283545	-289101.1413	1045177.3170250766	39.7410636080515	-01.826796	257778.4688313074	4040840.238162305	3378.61201458685	3338.4846426711665	3340.0486387705378	3339.790694	0
126	384	283546	-288441.1413	1045177.3170250766	39.74108331134435	-01.8244508	257975.9224714438	4040836.06980065	3380.0219733213764	3342.00158083363	3342.804362722308	3342.730585795065	0
127	384	283547	-287781.1413	1045177.3170250766	39.74110321115786	-01.8221056	258180.5757840775	4040831.9560838	3386.054679625417	3337.43758480964	3343.0725848971297	3343.1265138412177	0
128	384	283548	-287121.1413	1045177.3170250766	39.74112294587461	-01.8197604	258381.6289	4040827.815338621	3390.5275511920263	3338.96074480612	3338.96041748085	3339.994203398102	0

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatThgLogKrg.ft	SatThgBothKrg.ft
207	384	283627	-234981.1413	1045177.3170250766	39.42543881793021	-110.6344861	274264.08502105227	402501.457966984	3491.181918351637	3274.81865630253	3274.5652869807387	3270.252791524885	3270.25336693914308	24.565864103587387
208	384	283628	-234321.1413	1045177.3170250766	39.4254542603739	-110.6321408	274465.119	402497.33644091	3497.66152523244	3274.65405463519	3274.2252874691226	3274.1360749369483	3.914758895896393	11.531439270060673
209	384	283629	-233661.1413	1045177.3170250766	39.42539706263546	-110.6291678	274662.15409403017	402493.311706328	3504.14128152352474	3284.157128532474	3284.1564684476784	3284.1564684476784	0	0
210	384	283630	-233001.1413	1045177.3170250766	39.4253701232472	-110.6274503	274967.18829830294	402489.094131685	3510.620730540515	3291.2770757996205	3290.320896679683	3298.55235050816	0	0
211	384	283631	-232341.1413	1045177.3170250766	39.4262049650481	-110.625105	275068.2222808205	402479.937332214	3514.1368720745672	3290.08399653017	3276.430609448825	3277.492977781348	13.653387053919232	12.591018522453851
212	384	283632	-231681.1413	1045177.3170250766	39.4261891575836	-110.6227597	275269.2560420603	402480.857221217	3514.689545114615	3288.884556812932	3257.270713275574	3257.5354457343046	31.6157424051781	31.350983935898606
213	384	283633	-231021.1413	1045177.3170250766	39.426347989375	-110.6201414	275470.2889215348	402476.732451684	3515.2422193556437	3287.685762420320	3239.9396987587	3239.7685422197023	47.746056366415814	47.9127140625050364
214	384	283634	-230361.1413	1045177.3170250766	39.4265053719056	-110.6180691	275671.3229915342	402472.613270906	3515.794891	3286.48214263202	3224.288934378101	3223.8619170613625	62.193207885100946	62.62022213011714
215	384	283635	-229701.1413	1045177.3170250766	39.4266613003417	-110.6157238	275872.35600101846	402468.528287614	3516.524638582616	3285.274618610131	3211.131121523915	3210.463468691957	74.1453403	74.1453403
216	384	283636	-229041.1413	1045177.3170250766	39.42682177776858	-110.6133785	276073.3889783784	402464.573262671	3517.4314626157375	3284.07136955126	3202.225664	3201.9272962578	80.8444774567525	80.8774071357475
217	384	283637	-228381.1413	1045177.3170250766	39.426978800387	-110.6110332	276274.42153632874	402460.253642025	3518.338265433004	3282.864074031285	3198.408745182785	3198.657088321801	84.8552328848497	84.20751508132762
218	384	283638	-227721.1413	1045177.3170250766	39.42713537109715	-110.608879	276475.4537424255	402456.134040688	3519.245108677034	3281.661369488116	3194.512891445183	3194.4794454645408	87.18447402429267	86.91191104157087
219	384	283639	-227061.1413	1045177.3170250766	39.4272914881634	-110.6063426	276676.45919232327	402450.215556768	3519.8064533801177	3280.461967983428	3190.814226788225	3191.09173134264703	88.4647174960571	88.4532845695791
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221	384	283641	-225741.1413	1045177.3170250766	39.4276022630165	-110.601652	277078.54969691553	402443.7850715	3515.738664129331	3278.0820275221958	3183.135216817639	3182.96525515899	94.9489907	95.1260020625775
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223	384	283643	-224421.1413	1045177.3170250766	39.427911524839	-110.5969614	277480.6128074553	402435.542415111	3512.341244193558	3275.752288047795	3181.037051169776	3180.837682026576	98.176258003445	98.176258003445
224	384	283644	-223761.1413	1045177.3170250766	39.4280652770914	-110.5946161	277681.64399247523	402431.427478135	3510.296281913554	3274.622357248514	3181.644312768016	3181.460575789503	99.97804448049828	99.97804448049828
225	384	283645	-223101.1413	1045177.3170250766	39.4282186755941	-110.5922708	277882.67489589894	402427.307280585	3508.2563354	3273.523581958788	3181.8075180245268	3181.473252246394	101.760633435112	102.9503297124315
226	384	283646	-222441.1413	1045177.3170250766	39.4283716210018	-110.5899255	278083.7058003915	402423.190730629	3506.212379207256	3272.4551798672214	3181.869201434466	3181.203462435681	103.9587844327537	103.9587844327537
227	384	283647	-221781.1413	1045177.3170250766	39.42852841	-110.5875892	278284.73684779475	402419.01303506	3503.260749330106	3271.408152375343	3181.627819502205	3180.66039604253	89.7803266712252	90.7471216810988
228	384	283648	-221121.1413	1045177.3170250766	39.4286761525306	-110.5852348	278465.766296763	402414.5563739058	3496.40112	3270.3853616806	3181.225226465807	3181.07198980217	88.1486152	90.3566454624282
229	384	283649	-220461.1413	1045177.3170250766	39.4288297779851	-110.582995	278662.7662777943	402409.34827943	3488.547349371201	3269.346793971684	3180.72115413364	3180.611365361503	88.3862944756213	88.3862944756213
230	384	283650	-219801.1413	1045177.3170250766	39.4289788176761	-110.580542	278887.8261	402406.726323974	3481.68412513537	3268.327225373236	3180.234135207021	3178.812020101323	88.085873300249	88.085873300249
231	384	283651	-219141.1413	1045177.3170250766	39.42912955160435	-110.578198	279087.85735504	402402.607821455	3488.394571784977	3267.3204990741833	3179.447347145265	3178.101258130932	87.9551732875683	89.2014706739125
232	384	283652	-218481.1413	1045177.3170250766	39.42927977843536	-110.5758536	279298.8951162024	402398.492	3488.650761	3266.28139764298	3178.4748840280113	3176.834305340686	87.80072573628706	89.44778332977
233	384	283653	-217821.1413	1045177.3170250766	39.4294296	-110.5735083	279490.914278129	402394.376316361	3486.61945596082	3265.2613411600228	3177.2267459081527	3176.623085308742	86.40359525187009	90.6382585123095
234	384	283654	-217161.1413	1045177.3170250766	39.4295787128074	-110.571163	279691.9432	402390.261022765	3487.183128904373	3264.2386211026837	3175.834847396032	3171.9809494024725	86.4001370665156	92.7625620021213
235	384	283655	-216501.1413	1045177.3170250766	39.4297277262576	-110.5688177	279892.977	402386.15969485	3486.547349371201	3263.211771787574	3174.9256877747	3174.8317821929812	90.78219229812	90.78219229812
236	384	283656	-215841.1413	1045177.3170250766	39.42987651787625	-110.5664723	280094.0044554704	402382.031	3485.9074651133	3262.17594261035	3173.84981141197	3172.65477651157	92.3353746815	94.0253952023825
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239	384	283659	-213861.1413	1045177.3170250766	39.430318675209	-110.5594364	280697.08470715774	402369.68144043	3487.315367296406	3259.014037472372	3167.9762345061918	3166.83895139345	91.038072961805	92.15735608
240	384	283660	-213201.1413	1045177.3170250766	39.4304658215676	-110.5570911	280898.112356555	402365.754286092	3487.82064094328	3257.936874	3166.90942122636	3165.6857320471522	90.934670400346	92.27114194
241	384	283661	-212541.1413	1045177.3170250766	39.4306114305148	-110.5547457	281099.139790426	402361.46067386	3488.325915146994	3256.8465104503017	3165.998118711284	3162.85140830316	90.849917890531	90.849917890531
242	384	283662	-211881.1413	1045177.3170250766	39.4307617163264	-110.5524004	281300.167003767	402357.34728719	3488.84118812343	3255.74188997653	3164.90626777447	3164.781932573628	91.781219229812	91.781219229812
243	384	283663	-211221.1413	1045177.3170250766	39.430927869291103	-110.5500551	281501.1940134283	402353.34147686	3488.34884151489	3254.62132595984	3163.889214214301	3162.734524503432	90.7284374508271	90.7284374508271
244	384	283664	-210561.1413	1045177.3170250766	39.43107415875795	-110.5477098	281702.2208028073	402349.121046675	3486.87824746234	3253.482896648226	3162.80635045753	3160.562493020327	90.6723463726977	102.920406345895
245	384	283665	-209901.1413	1045177.3170250766	39.4311914953766	-110.5453645	281903.247774642	402345.22862385	3485.40790784742	3252.3254846133423	3161.7132027140694	3161.51628484028753	90.61151421725481	100.698588546891
246	384	283666	-209241.1413	1045177.3170250766	39.4313353788226	-110.5430191	282104.22738	402340.89612607	3483.93754101319	3251.1482020312974	3160.602767895653	3163.3311133901348	90.5454340274309	93.8770861299433
247	384	283667	-208581.1413	1045177.3170250766	39.4314788091673	-110.5406738	282305.2969849824	402336.783978586	3483.78359157438	3249.9459164121718	3159.557673095632	3163.5991141475	90.39184010260851	94.3161663
248	384	283668	-207921.1413	1045177.3170250766	39.4316317841111	-110.5383285	282506.32591765725	402332.67032661	3484.765939314426	3248.779756	3158.4750533891393	3156.861054804285	90.2577075485093	91.8667814282155
249	384	283669	-207261.1413	1045177.3170250766	39.4317846202557	-110.535995	282707.36820228942	402328.15969485	3485.74188997653	3247.729944188374	3157.429944188374	3156.91321378827	90.19321378827	90.19321378827
250	384	283670	-206601.1413	1045177.3170250766	39.43190638179411	-110.533378	282908.3771424528	402324.48861813	3487.477015454798	3246.70985780111	3156.323499970376	3155.07150594477	90.057837805752	91.166751653339
251	384	283671	-205941.1413	1045177.3170250766	39.43204799953126	-110.5312925	283109.4203449096							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBmKgr.ft	SurfElevKgr.ft	SurfBotH.ft
332	383753	-151821.1413	1045177.3170250766	39.44221187393692	-121.389725	299592.7706736836	401984.0301857395	3252.620605268477	3116.962626358187	3039.3716404117795	3039.49180961252	77.59008946400773	77.47703754993505
334	383754	-151161.1413	1045177.3170250766	39.44222274895215	-121.336627	299793.7789876335	401979.338782575	3245.815842399937	3115.546605589095	3038.74929286023	3038.2345737062827	76.835657398625	76.3500679662631
335	383755	-150501.1413	1045177.3170250766	39.4422387786637	-121.324281	299894.7871060973	401975.847817812	3248.530109684934	3114.199906444403	3038.59269168972	3038.809067374584	75.9958917334824	75.3909306
336	383756	-149841.1413	1045177.3170250766	39.442240857515	-121.319363	299905.79526867383	401971.75669174	3245.76339709931	3112.805296535685	3038.29767020597	3038.24628069186	75.0762542	74.512654664987
337	383757	-149181.1413	1045177.3170250766	39.44225321	-121.3295909	30036.8027557734	401967.66600458	3227.996697425034	3111.398437879552	3038.14573058953	3038.654567213017	73.2526840205937	73.74358115825044
338	383758	-148521.1413	1045177.3170250766	39.442263560601	-121.327245	300597.8102760071	401965.75548586	3222.229979472402	3110.979255283506	3038.0829589835	3036.87477303096	71.9122698	73.1047475
339	383759	-147861.1413	1045177.3170250766	39.442273600302	-121.3249001	300798.817623616	401963.485344122	3215.96519750524	3108.58858796538	3038.09850956817	3038.09850956817	70.4050924	72.65974413120057
340	383760	-147201.1413	1045177.3170250766	39.442287290678	-121.322547	300989.874672644	401955.395	3209.17631402581	3107.110280165877	3038.130950483666	3034.399668338439	69.973373222105	72.710618671848
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342	383762	-145881.1413	1045177.3170250766	39.44303385	-121.317693	301401.8326653174	401947.21642659	3185.61589123295	3104.213401153953	3038.750137566706	3031.0318721494587	73.18156792481659	73.18156792481659
343	383763	-145221.1413	1045177.3170250766	39.4431384475684	-121.3158185	301782.8160246797	401943.12685722	3187.821343603718	3103.844730756105	3038.20562036183	3029.246306383946	63.04614755525284	73.5008939876819
344	383764	-144561.1413	1045177.3170250766	39.44323792302815	-121.313731	301803.8513841003	401939.037867221	3170.012457171804	3101.2752987391	3040.2836479109	3027.728719684894	60.9914334	73.5455616
345	383765	-143901.1413	1045177.3170250766	39.443362802558	-121.3108277	302004.8545601115	401930.20587901355	3170.203571283851	3099.78658873657	3041.640503697311	3026.19640714823	58.3960812531395	73.5960812531395
346	383766	-143241.1413	1045177.3170250766	39.4434353203596	-121.308423	302205.8635371921	401930.861	3161.3946953903	3098.283945330094	3043.376168855733	3025.7926655064	57.0227647472155	73.5241077894046
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348	383768	-141921.1413	1045177.3170250766	39.44363130519275	-121.3037195	302607.8748113156	401922.684	3150.7156014455	3095.234317280216	3048.590263311436	3025.343031280361	69.8913005016047	73.690263311436
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350	383770	-140601.1413	1045177.3170250766	39.4438352775261	-121.2991077	303009.8851334017	401914.568767962	3142.349419739924	3092.123309728756	3056.230641045809	3025.0168215942	38.11062310383404	73.11062310383404
351	383771	-139941.1413	1045177.3170250766	39.44393215840051	-121.296753	303210.892550076	401910.4241413045	3141.484610571982	3050.51949609157	3052.8775374040824	3038.38475075476	36.6445720504754	36.5544725898941
352	383772	-139281.1413	1045177.3170250766	39.4440174373586	-121.2944099	303411.8953451877	401906.33401698	3143.938084592966	3088.94378144688	3047.967879289903	3037.98373778234	40.2960366454134	40.2960366454134
353	383773	-138621.1413	1045177.3170250766	39.4441128375861	-121.2920465	303612.899726951	401892.24428688	3087.331558613929	3087.331558613929	3043.571574082586	3044.45157836985	43.76030484	42.8900507166231
354	383774	-137961.1413	1045177.3170250766	39.44420776468796	-121.2897191	303813.9940402342	401880.160794035	3146.84503254593	3085.7060237091255	3040.22944582364	3041.893073761988	45.477078726165	43.8121632356971
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356	383776	-136541.1413	1045177.3170250766	39.4443933195132	-121.2850282	304215.9170422627	401889.98329747	3152.7692333202	3082.4110613987914	3034.65752348179	3032.92701401763	47.5333971700218	45.477078726165
357	383777	-135891.1413	1045177.3170250766	39.4444899072334	-121.2828288	304416.9165650913	401885.902302093	3154.913822580416	3082.24991278001	3032.439312661353	3029.737114363566	48.79259791664786	51.001777443457
358	383778	-135231.1413	1045177.3170250766	39.4445830418329	-121.2803374	304617.920348017	401881.8163875	3156.850461573853	3079.0488172142477	3030.456103837224	3028.875032948166	48.5927137692531	50.1757639194312
359	383779	-134661.1413	1045177.3170250766	39.4446757320325	-121.277992	304818.9237135919	401871.9317912575	3161.642092701082	3077.35120259983	3028.642422	3026.68958281323	48.692781832027	50.3392674383074
360	383780	-134001.1413	1045177.3170250766	39.4447679516454	-121.2756466	305019.9270016327	401873.645909995	3169.28858158409	3075.590614302854	3027.1707943151478	3025.704708204664	48.819198770049	49.8859009638777
361	383781	-133341.1413	1045177.3170250766	39.4448593369384	-121.2733613	305220.96464025	401869.351021661	3178.83507891881	3074.81762337129	3024.6572798936	3024.07481348850574	49.73411848850574	49.73411848850574
362	383782	-132681.1413	1045177.3170250766	39.444951045816	-121.270958	305421.93300536194	401867.47620646	3184.581573029083	3071.9990428037286	3040.658642076145	3039.285042076145	48.74577401714084	48.74577401714084
363	383783	-132021.1413	1045177.3170250766	39.44505419179104	-121.2686104	305622.933724503	401861.391005529	3188.545103389804	3070.151638898256	3032.680557366099	3031.921886272922	47.4710715	48.22975259003462
364	383784	-131361.1413	1045177.3170250766	39.445113337345	-121.2662469	305823.932850303	401857.3057459165	3188.45413908083	3068.264147991324	3020.8857694273	3022.441887272922	47.375571	48.22975259003462
365	383785	-130701.1413	1045177.3170250766	39.4452229644886	-121.2639195	306024.9405881085	401853.22345156	3188.6324745788907	3066.332019364403	3019.244028298058	3021.3212521356695	47.0925193383232	45.011549800771
366	383786	-130041.1413	1045177.3170250766	39.4453118066214	-121.2615741	306225.942368105	401849.13976644	3188.72354100981	3064.351116929281	3017.5319204363595	3019.595304203710	47.5581727261193	45.5581727261193
367	383787	-129381.1413	1045177.3170250766	39.445400624754	-121.2592287	306426.944947898	401845.056228611	3192.96417810274	3062.214543413257	3015.964685087257	3016.9678634701	46.6498585	45.348645084748
368	383788	-128721.1413	1045177.3170250766	39.445498457145	-121.2569383	306627.94644025	401840.072308724	3201.361595751	3059.21851305351	3014.65917575446	3015.9696551245	45.1485172	45.1485172
369	383789	-128061.1413	1045177.3170250766	39.4455757158883	-121.2545379	306828.9480511304	401839.887805905	3208.76594492714	3058.059184669524	3013.53817355122	3012.963965278914	45.6210111800175	45.0897814
370	383790	-127401.1413	1045177.3170250766	39.4456653130518	-121.2521924	307029.9494307707	401832.80704814	3218.164693567035	3055.834305234775	3009.3260464110995	3010.835523438817	45.50828411237808	45.0897814
371	383791	-126741.1413	1045177.3170250766	39.4457552569885	-121.249847	307230.95064081193	401828.72464488	3219.47433395124	3053.240561646017	3007.0394150416028	3010.835523438817	45.50828411237808	45.0897814
372	383792	-126081.1413	1045177.3170250766	39.44583304779214	-121.2475016	307431.95165615866	401824.62118684	3220.264165944625	3051.1867869647206	3004.685634216917	3009.33090928477	45.5013654780526	45.8557781326288
373	383793	-125421.1413	1045177.3170250766	39.445928584684	-121.2451562	307632.9532854684	401820.56001113	3225.40397949205	3048.78397460993	3002.23837975618	3001.209685821873	45.5319999658211	45.57821712422701
374	383794	-124761.1413	1045177.3170250766	39.446011750578	-121.2428108	307833.953225484	401816.1478139899	3226.7562992346	3046.250907234652	3000.78007234652	3000.78007234652	45.534069781452	47.0103452373427
375	383795	-124101.1413	1045177.3170250766	39.4460983194785	-121.240474	308043.9532854684	401812.06404925	3227.812155270587	3044.65333141	3000.23837975618	3000.23837975618	45.534069781452	47.0103452373427
376	383796	-123441.1413	1045177.3170250766	39.446181979626	-121.238119	308235.9539390202	401808.315115457	3228.765294237434	3041.168910287525	3000.6475287011903	3001.7731592757	45.5152326969814	48.090768959552
377	383797	-122781.1413	1045177.3170250766	39.4462665049202	-121.2357745	308436.9540167183	401804.23366051	3228.40775831776	3038.5702175034626	3000.83541565381	3000.83541565381	46.7348018408159	48.6520934712671
378	383798	-122121.1413	1045177.3170250766	39.4463505769477	-121.2334291	308637.953906313	401800.15304358	3228.4122217960825	3035.9190471201302	3000.9820859487786	3000.9820859487786	47.99002873351645	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatHtBothKrg.ft	SatHtBothKrg.ft
459	384	283879	-68661.14133	1045177.3170250766	39.74516555529905	-101.0434842	324918.3430689285	4041070.3889393629	3083.362867975006	2918.968047721362	2986.330305467048	2989.723577764378	20.637716724657366	19.2350594924372
460	384	283880	-68601.14133	1045177.3170250766	39.74517024678474	-101.0411028	325119.32852541235	4041166.327517306	3088.363307400415	2918.8662431749306	2987.2253461295622	2988.5757625709284	21.63089704534832	19.24077490044783
461	384	283881	-67441.14133	1045177.3170250766	39.74517489259676	-101.0387574	325320.3147120095	4041162.367	3093.403854323932	2918.7438410822344	2986.2198574389846	2987.603194315169	22.52930374337382	21.24074465865642
462	384	283882	-66681.14133	1045177.3170250766	39.745179493820274	-101.0364119	325521.3289288937	4041255.305397047	3098.424346151233	2918.6271622110153	2985.294140602564	2986.50033329284	23.73032107505884	22.1268207811466
463	384	283883	-66021.14133	1045177.3170250766	39.745180493436695	-101.0340664	325722.2836742297	4041154.144693902	3103.0965514615823	2918.5010912865414	2984.436734965284	2985.547433889614	24.064356321252035	22.9463473986991
464	384	283884	-65361.14133	1045177.3170250766	39.7451885599949	-101.031721	325923.267654449	4041050.0426371	3101.1717769	2918.36026309864	2983.64156652552	2984.655916169809	24.27063047481134	23.7946401711793
465	384	283885	-64701.14133	1045177.3170250766	39.74519302451799	-101.0293755	326124.2520634797	4041046.0239784	3111.739887246373	2918.201371124071	2982.875638224253	2983.89158392526456	25.32573289861792	24.2911701425495
466	384	283886	-64041.14133	1045177.3170250766	39.74519744412233	-101.02703	326325.2330365613	4041141.964005812	3116.062051735673	2918.01513156573	2982.4855624605993	2982.972988521676	25.52956910133776	25.04271411356670
467	384	283887	-63381.14133	1045177.3170250766	39.74520189441387	-101.0246866	326526.2023751742	4041167.904251555	3108.330553289832	2917.938518404383	2981.708039800237	2982.1026674994837	26.8648742465817	25.6116156493963
468	384	283888	-62717.14133	1045177.3170250766	39.74520614732561	-101.0223291	326777.2042782576	4041143.85	3117.5440378172016	2917.825192666404	2983.51640652651	2982.50775252718	27.041152013752871	25.0254713736873
469	384	283889	-62061.14133	1045177.3170250766	39.74521031050715	-101.0199837	326928.1880130475	4041178.4552244	3108.7580033087016	2917.2062597801626	2982.58328708006	2981.529476697239	27.46229717620661	25.6787623673757
470	384	283890	-61401.14133	1045177.3170250766	39.74521466939857	-101.0176482	327129.175197814	4041125.72643171	3104.972020737599	2916.820066827677	2981.548423896168	2980.635698	25.27163784599195	25.18436219257728
471	384	283891	-60741.14133	1045177.3170250766	39.74521866	-101.0153027	327330.15487874294	4041121.668	3104.998952072959	2916.3592637952224	2980.53789331854	2980.73073975133	26.18518944638608	25.568825400289608
472	384	283892	-60081.14133	1045177.3170250766	39.745223010518175	-101.0129573	327531.13821004104	4041177.609041158	3104.3146957297864	2915.8161930483946	2980.4362544320285	2980.356970770345	26.8022491810615	25.86022132901605
473	384	283893	-59421.14133	1045177.3170250766	39.74522712259726	-101.0106118	327732.12127391296	4041135.500711194	3115.2859844242	2988.108014383456	2988.545485951175	27.0844972059624	26.839530240096952	26.839530240096952
474	384	283894	-58761.14133	1045177.3170250766	39.7452311696480	-101.008263	327933.1041705664	4041109.482818585	3113.0253021859044	2914.46391404387	2987.368625089076	2987.750106892644	27.04048954760537	26.7119035457277
475	384	283895	-58101.14133	1045177.3170250766	39.745235181425654	-101.0059209	328134.0869	4041055.4347632335	3113.5654059713986	2913.6506595371516	2987.71143746851835	2987.180106629874	27.56328485196805	26.46648741614
476	384	283896	-57441.14133	1045177.3170250766	39.745239191	-101.0035754	328335.069634004	40411737145392	3110.40650619399	2912.7473348376575	2985.4887434604707	2985.7474773718604	27.2585917718604	27.00001697332002
477	384	283897	-56781.14133	1045177.3170250766	39.745243690487	-101.00123	328535.051892271	4041397.32	3110.042655805793	2911.76017555602	2983.753348057082	2983.94334600373	28.006809498573602	27.7698135822853
478	384	283898	-56121.14133	1045177.3170250766	39.745246968471546	-100.9988485	328737.0340891098	4041233.2622109	3108.281215	2910.6804100772	2981.697967829007	2981.92589616587	29.0017317164598	28.75952450448674
479	384	283899	-55461.14133	1045177.3170250766	39.74525078	-100.996339	328938.015217607	4041389.205715537	3107.735574920726	2909.575879015945	2979.585792591777	2980.028102791772	29.899576792747812	29.54726874843453
480	384	283900	-54801.14133	1045177.3170250766	39.74525460559784	-100.9941396	329139.9980504281	4041385.1940686	3108.5196604730574	2908.40325453457	2977.709541168139	2978.3165173985863	30.07760054864762	30.07760054864762
481	384	283901	-54141.14133	1045177.3170250766	39.7452584069874	-100.991941	329340.792307187	4041328.590891427	3108.947825081542	2907.39249501929	2977.48450132974	2978.34450132974	31.7280397250598	31.7404119909874
482	384	283902	-53481.14133	1045177.3170250766	39.7452619506727	-100.9895026	329540.96134864036	4041377.036410052	3110.01184380558	2905.95246832933	2975.65602704772	2975.8056254241424	30.29635408521396	30.1457119018967
483	384	283903	-52821.14133	1045177.3170250766	39.74526564433059	-100.9871572	329741.94274960144	4041372.980464582	3110.4778385057	2904.914651871974	2974.919369772235	2975.10749710857	30.585820907395	30.585820907395
484	384	283904	-52161.14133	1045177.3170250766	39.74526974827926	-100.9848117	329942.923854073	4041368.92745038	3110.51734290372	2903.417709393324	2974.011009356274	2974.627007426361	30.91608458309747	30.79091917572367
485	384	283905	-51501.14133	1045177.3170250766	39.74527286914564	-100.9824662	330143.905052552	4041364.68927248	3096.69087255466	2902.38023432856	2974.0920037645883	2974.258502513726	30.84602017868728	30.787952142955964
486	384	283906	-50841.14133	1045177.3170250766	39.74527632023516	-100.9801208	330344.885622613	4041360.814071713	3089.842747	2900.63988097672	2973.7017639199444	2973.957222570763	31.16222417730877	30.90676548814916
487	384	283907	-50181.14133	1045177.3170250766	39.74527978924167	-100.9777753	330545.8667929715	4041358.908971427	3088.545928524876	2900.50229898855	2973.611081800567	2973.8571728413397	31.29247543837058	31.29247543837058
488	384	283908	-49521.14133	1045177.3170250766	39.745283201939	-100.9754193	330746.47231939	4041352.79401359	3086.1047433	2900.356733904995	2973.519763146484	2973.706122671984	31.4998211771614	31.4998211771614
489	384	283909	-48861.14133	1045177.3170250766	39.7452869331131	-100.9730884	330947.827694272	4041348.649760022	3087.187339625912	2900.51783635485	2972.23320624217	2972.867470487628	31.2402504011267814	31.2402504011267814
490	384	283910	-48201.14133	1045177.3170250766	39.74528990237481	-100.9707389	331148.8074343603	4041344.59540904	3080.370429621022	2900.93399272957	2971.7251490725434	2972.34513082342	31.208250200432303	31.208250200432303
491	384	283911	-47541.14133	1045177.3170250766	39.745293231	-100.9683395	331349.7882839613	4041340.541350992	3078.4914596776	2900.578536515305	2971.326665561231	2971.81002860584	31.23491980029945	31.23491980029945
492	384	283912	-46881.14133	1045177.3170250766	39.7452964458589	-100.966048	331550.767950035	4041336.457922815	3076.40926441372	2900.605971400968	2971.27933293937	2971.72933293937	31.23263751171515	31.23263751171515
493	384	283913	-46221.14133	1045177.3170250766	39.74529964457998	-100.9637209	331747.70599563	4041332.434874623	3074.9886983149687	2900.448842405355	2971.91322980871	2972.3848745318086	30.95716212597826	30.95716212597826
494	384	283914	-45561.14133	1045177.3170250766	39.7453027354877	-100.961371	331942.723513078	4041328.309197427	3073.22785899152	2900.39249501929	2971.48450132974	2978.34450132974	31.7280397250598	31.7404119909874
495	384	283915	-44901.14133	1045177.3170250766	39.74530576372256	-100.9590116	332153.7061787125	4041324.327487263	3072.676905291384	2900.29632273286	2971.275462316867	2971.6132940362075	30.6545304026398	31.19687691025183
496	384	283916	-44241.14133	1045177.3170250766	39.74530896115537	-100.9566661	332354.6800702054	4041320.27416265	3070.10754232446	2900.2965929366	2972.219508723424	2973.00560676099	31.07375720077157	31.28059247597175
497	384	283917	-43581.14133	1045177.3170250766	39.7453119760187	-100.9543207	332555.6651153427	4041316.21978424	3076.93818155465	2900.3879924157073	2969.98602151983	2970.845561773817	31.289627863613607	31.289627863613607
498	384	283918	-42921.14133	1045177.3170250766	39.7453149556766	-100.9519752	332756.64406059484	4041312.16997373	3076.7688310875046	2900.2963741235	2968.94517194330	2969.6039118530216	31.290542993713839	31.290542993713839
499	384	283919	-42261.14133	1045177.3170250766	39.745317889802285	-100.9496297	332957.6228437823	4041308.17118181	3077.47740752955	2900.338427199705	2968.963317494394	2968.65304	31.21307132026987	30.6980395316331
500	384	283920	-41601.14133	1045177.3170250766	39.74532074872256	-100.9472843	333158.6014651116	4041304.06549379	3074.04610671855	2900.3266961035	2968.6447923485	2968.603297408785	31.24679057191403	31.790271671554206
501	384	283921	-40941.14133	1045177.3170250766	39.74532369278463	-100.9449477	333360.582929683	4041300.08643713	3073.087198643713	2900.29632273286	2971.275462316867	2971.6132940362075	30.6545304026398	31.19687691025183
502	384	283922	-40281.14133	1045177.3170250766	39.745326370671456	-100.9425933	333560.582929683	4041296.95234205	3064.19550537216	2900.29632273286				

ix	iy	x	Y.r	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln.	BRIEVELog.Kg.f	BRIEVEBoth.Kg.f	SatThcLog.s.f	SatThcBoth.f
585	384	284005	14498.85867303351	1045177.310250766	-37.4539983211845	-0.07479191	502041.21473925735	4009060.517714537	2824.9955905397057	2689.307911365781	2704.838904707847	2705.028187649807	0
586	384	284006	15158.85867303351	1045177.310250766	-37.453981448667	-0.0459736	50442.11802120402	4009056.468151051	2816.294669128378	2697.245660162529	2703.4527012414687	2701.16548545899	0
587	384	284007	15818.85867303351	1045177.310250766	-37.45397151046984	-0.04524292	50643.14654089995	4009052.4578718656	2807.21332917841577	2695.253836710966	2701.622917841577	2703.52603731387	0
588	384	284008	16406.85867303351	1045177.310250766	-37.453964222228	-0.04082787	50844.1362942228	4009048.423731404	2797.739978027603	2683.146248907256	2700.2096414574007	2700.11055334178	0
589	384	284009	17138.85867303351	1045177.310250766	-37.4539584822358	-0.037385372	51045.057867543	4009044.392876808	2788.266423897035	2679.4237858313113	2699.0965958024667	2698.993120764322	0
590	384	284010	17798.85867303351	1045177.310250766	-37.453942888407	-0.03719118	51246.0047690156	4009042.36227568	2778.7928697667335	2671.6108545740854	2698.1544662399624	2698.6632421338906	0
591	384	284011	18458.85867303351	1045177.310250766	-37.45393004414267	-0.037338463	515447.0055213106	4009036.331877068	2771.3067993599349	2670.8465506576738	2697.5044037522825	2697.3254804161684	0
592	384	284012	19118.85867303351	1045177.310250766	-37.4539175413051	-0.03713508	51647.9017334667	4009032.301731702	2765.8060944035644	2676.136121899196	2697.2222174343856	2697.120398016176	0
593	384	284013	19778.85867303351	1045177.310250766	-37.45390418803844	-0.03729155	51848.934601164	4009028.217182656	2760.309428971987	2674.474723161428	2697.521648637706	2697.43459626922	0
594	384	284014	20438.85867303351	1045177.310250766	-37.4538903816269	-0.03726939	52049.898032851	4009024.24149025	2754.8107633401305	2672.865256497005	2697.5421051172205	2697.782798135653	0
595	384	284015	21098.85867303351	1045177.310250766	-37.4538761220703	-0.03724464	52250.863118103	4009020.21273494	2747.588607904809	2671.274626730553	2696.948080876097	2696.38722835755	0
596	384	284016	21758.85867303351	1045177.310250766	-37.4538614093691	-0.03722118	52451.82715080835	4009016.18331362	2738.64596256022	2669.723917	2693.0425095485202	2693.496414	0
597	384	284017	22418.85867303351	1045177.310250766	-37.45384624352305	-0.037197734	52652.791580875	4009012.154549515	2729.70312317227347	2668.198582979814	2690.497658352115	2691.159200778956	0
598	384	284018	23078.85867303351	1045177.310250766	-37.453826045322	-0.03717428	52853.7548182828	4009008.125821944	2720.586718884477	2666.69244974948	2688.82579562155	2689.931583781731	0
599	384	284019	23738.85867303351	1045177.310250766	-37.4538145522967	-0.037159265	53063.7194361421	4009004.097330644	2715.48069319208	2665.6002219627114	2689.106438866265	2688.79903471745	0
600	384	284020	24398.85867303351	1045177.310250766	-37.45379802711675	-0.03712737	53255.6519	4009000.06907507	2713.863821161173	2663.72002266641	2688.623701163337	2688.496841308526	0
601	384	284021	25058.85867303351	1045177.310250766	-37.4537810486914	-0.03710318	53456.64524833567	4008996.01056813	2712.25607701826	2662.246833448105	2682.538769462989	2682.035311097445	0
602	384	284022	25718.85867303351	1045177.310250766	-37.45376361712204	-0.03708041	53657.6084	4008992.03274267	2710.613572866234	2660.77028866234	2658.565515955289	2658.343474178727	2.2115109313344874
603	384	284023	26378.85867303351	1045177.310250766	-37.45374573240795	-0.03705706	53858.571497204	4008897.985727955	2708.098456444198	2659.308826544695	2655.501325963076	2655.10319244768	3.798507299931316
604	384	284024	27038.85867303351	1045177.310250766	-37.45372739454915	-0.03703551	54059.5341409066	4008893.984176645	2706.621809820174	2657.840769851697	2652.365133318536	2652.669767181318	5.71100270378563
605	384	284025	27698.85867303351	1045177.310250766	-37.45370863548	-0.03701097	54260.49148398	4008799.931349885	2707.36127393652	2656.3718640513	2646.427931297848	2645.5115358996	9.942255107164281
606	384	284026	28358.85867303351	1045177.310250766	-37.453695593981	-0.03698642	54461.459817781	4008795.904505227	2697.161391376656	2657.920842426637	2638.01543436516	2637.380520710634	16.88658931369277
607	384	284027	29018.85867303351	1045177.310250766	-37.45368261059	-0.03696249	54672.4227101307	4008791.8770441588	2695.428844114428	2656.3718640513	2637.3718640513	2637.3718640513	24.07880291667216
608	384	284028	29678.85867303351	1045177.310250766	-37.4536591116692	-0.0369373	54863.346865407	4008787.815254177	2716.631757050655	2651.961393558	2622.7454514259102	2621.4212922696076	29.81052706079754
609	384	284029	30338.85867303351	1045177.310250766	-37.453628908083	-0.036918278	55064.3488603429	4008783.825410471	2704.30456961062	2649.18913420337	2619.752761382842	2619.084107609076	31.3852339542108
610	384	284030	30998.85867303351	1045177.310250766	-37.453607813627	-0.03689283	55265.30895587	4008789.79517538	2714.041435964662	2648.98062600135	2620.456447	2619.863497400252	29.1171052351925
611	384	284031	31658.85867303351	1045177.310250766	-37.4535863413937	-0.03686938	55466.2708923961	4008785.73860774	2706.4748667092495	2647.486672700437	2622.074447100674	2620.9093258638205	25.411022190461587
612	384	284032	32318.85867303351	1045177.310250766	-37.45356347847924	-0.03684914	55667.232691629	4008781.78440118	2759.893458903416	2645.97848577346	2624.878311993937	2624.4094372698805	21.09985257794915
613	384	284033	32978.85867303351	1045177.310250766	-37.453540119622114	-0.03682495	55868.194384681984	4008782.72355688	2766.7246102741568	2644.86102741568	2626.5924867478278	2626.5924867478278	17.83127276822918
614	384	284034	33638.85867303351	1045177.310250766	-37.4535190931084	-0.03680194	56069.1586702134	4008783.95877543	2765.428844114428	2643.8897954784	2623.1002437897642	2623.1002437897642	14.044105537841
615	384	284035	34298.85867303351	1045177.310250766	-37.4534957075226	-0.0367755	56270.117252905	4008783.67395145	2774.07451019734	2641.390759351834	2631.9028600414345	2630.589246542291	14.8789932368907
616	384	284036	34958.85867303351	1045177.310250766	-37.4534719948205	-0.03675209	56471.078497522	4008783.649119058	2788.188736046353	2639.837844069203	2633.533210743065	2632.47173386129	6.34006345064444
617	384	284037	35618.85867303351	1045177.310250766	-37.4534477662474	-0.03672864	56672.036604595	4008783.62487074	2797.330210118373	2637.321946108234	2635.010648893165	2633.54689238973	3.261297211916826
618	384	284038	36278.85867303351	1045177.310250766	-37.4534230436875	-0.03670518	56873.0057413185	4008782.6094326	2806.47250314932	2636.694682	2636.2428517620124	2635.40387	4.1581297618752946
619	384	284039	36938.85867303351	1045177.310250766	-37.4533973487924	-0.03668173	57073.96140527784	4008782.571770402	2809.50119721169	2635.104833064203	2637.277328	2636.28275553552	0
620	384	284040	37598.85867303351	1045177.310250766	-37.453372381178	-0.03665876	57274.9227101307	4008781.55357839	2800.4134691921	2633.5202404628	2637.654271	2632.92564710227	0
621	384	284041	38258.85867303351	1045177.310250766	-37.4533453186986	-0.03663482	57475.83269540856	4008781.530280056	2803.32680115287	2631.888689898236	2636.1365474839063	2637.040716889267	0
622	384	284042	38918.85867303351	1045177.310250766	-37.4533192541565	-0.036611367	57676.8431	4008781.50722484	2786.240170312345	2630.26261404365	2638.915771997653	2637.4246131535538	0
623	384	284043	39578.85867303351	1045177.310250766	-37.453292787177	-0.036587912	57877.803367570216	4008780.48439667	2828.625458471	2638.40848073055	2636.986619907738	2636.986619907738	0
624	384	284044	40238.85867303351	1045177.310250766	-37.4532654770634	-0.03656457	58078.7635142983	4008780.46180947	2786.39826017884	2626.97765781832	2637.953997274564	2636.394924921967	0
625	384	284045	40898.85867303351	1045177.310250766	-37.4532327621913	-0.03654103	58279.723628055	4008780.43948065	2758.8744660589	2625.3206211283364	2636.8391894790784	2635.50160580187	0
626	384	284046	41558.85867303351	1045177.310250766	-37.453205161627	-0.03651748	58480.68304296	4008780.42795417	2748.33568708397	2623.65807397646	2635.08890991691	2634.3422103782246	0
627	384	284047	42218.85867303351	1045177.310250766	-37.4531784324754	-0.03649317	58681.69434276	4008780.41463276	2747.184842174216	2623.1002437897642	2634.878311993937	2634.878311993937	0
628	384	284048	42858.85867303351	1045177.310250766	-37.45315134254674	-0.03647038	58882.6027494366	4008780.407381899	2737.7361552509	2620.390892137385	2633.06800916941	2633.06800916941	0
629	384	284049	43538.85867303351	1045177.310250766	-37.4531216721556	-0.036447184	59083.5622200381	4008783.352412524	2735.57619420577	2618.632453043618	2631.562910588034	2631.8777911550913	0
630	384	284050	44198.85867303351	1045177.310250766	-37.453091555982	-0.03642379	59284.2521055763	4008779.331239146	2716.96578205831	2616.955729584676	2628.102437447335	2628.89611149866	0
631	384	284051	44858.85867303351	1045177.310250766	-37.4530608385214	-0.036400275	59485.4085853626	4008775.710303748	2725.818327896726	2615.285295301	2625.8624304516825	2625.8624304516825	0
632	384	284052	45518.85867303351	1045177.310250766	-37.45303095796294	-0.03637882	59686.4398209989	4008771.28904326	2717.09657363652	2613.61566458577	2623.439633132465	2623.439633132465	0
633	384	284053	46178.85867303351	1045177.310250766	-37.4529987489305	-0.03635536	59887.3988281854	4008767.269140876	2708.625458471	2612.9153868			

Yr	Id	K.R	Y.Rt	Latitude	Longitude	UTM-X	UTM-Y	Sur/Elev	WLL	BrdwLgthKc.fg	BrdwElevKthKrg	SatOrbLgts.fg	SatBthKth	
712	384	284132	97858.8566730735	10451777.3170250676	79.74491489696408	-100.452391	375651.7982970605	4500454.389257564	2707.1282133473635	2696.7453780599139	2556.655107953834	2556.755729628419	53.090700170079515	52.98960009749463
712	384	284132	98138.8566730735	10451777.3170250676	79.7449077905716	-100.4500456	37562.747259869	4400450.397406799	2706.190018664536	2680.295805218963	2556.410088184536	2556.504085970033	51.88496834780964	51.79121514863235
712	384	284133	98978.8566730735	10451777.3170250676	79.74490119739574	-100.4477001	375963.696102782	4400450.39751269	2705.088623814364	2681.87395391583	2556.670797692565	2556.716999395163	50.75134184189096	50.6417595950481
714	384	284134	99638.8566730735	10451777.3170250676	79.74489437960605	-100.4453457	37614.6448	4400442.3944109723	2704.070629298373	2685.313392816057	2555.548849648958	2555.736992075627	49.76454230308397	49.673403308397
715	384	284135	100298.8566730735	10451777.3170250676	79.74489715965204	-100.4430092	37678.963414548	4400438.3946159675	2703.020267250837	2683.7390848484	2554.45843681353	2555.028241	48.75089404	48.75089404
716	384	284136	100928.8566730735	10451777.3170250676	79.74489437960605	-100.4430092	37678.963414548	4400438.3946159675	2703.020267250837	2683.7390848484	2554.45843681353	2555.028241	48.75089404	48.75089404
717	384	284137	101618.8566730735	10451777.3170250676	79.7448736521152	-100.438184	376767.4904004418	4400438.3946159675	2703.020267250837	2683.7390848484	2554.45843681353	2555.028241	48.75089404	48.75089404
718	384	284138	102278.8566730735	10451777.3170250676	79.7448663121254	-100.4359729	376968.4365714694	4400426.391239892	2699.654294651375	2599.003482552095	2550.722403155193	2549.718916220858	48.283451000726	47.5217620343846
719	384	284139	102938.8566730735	10451777.3170250676	79.7448589022215	-100.436275	377168.36971302	4400422.39103651	2696.58832969148	2597.360124070614	2549.690891743872	2549.921025684194	47.4330973990991	47.4330973990991
720	384	284140	103598.8566730735	10451777.3170250676	79.7448521800423	-100.4312821	377370.338205967	4400418.39106643	2691.34119439238	2595.678625673285	2549.34137567792	2549.208710400465	48.256468953652	47.3699152528416
721	384	284141	104298.8566730735	10451777.3170250676	79.74485362474814	-100.4289366	37751.2872777516	4400418.39132532	2697.152406196507	2593.959089597323	2549.757265623174	2549.059053176996	47.19364394952174	47.19364394952174
722	384	284142	104998.8566730735	10451777.3170250676	79.74485362474814	-100.4289366	37751.2872777516	4400418.39132532	2697.152406196507	2593.959089597323	2549.757265623174	2549.059053176996	47.19364394952174	47.19364394952174
723	384	284143	105678.8566730735	10451777.3170250676	79.74483079574597	-100.424457	377573.1781953854	4400406.392057084	2677.122495495767	2590.52927624731	2543.294329447099	2544.394873135235	47.2345800514002	46.978849116886
724	384	284144	106238.8566730735	10451777.3170250676	79.7448237	-100.4219033	378174.125735414	4400402.394	2674.578003639418	2588.768075206995	2547.46107415348	2546.913410633483	46.375691873515	46.375691873515
725	384	284145	106898.8566730735	10451777.3170250676	79.7448167822344	-100.419549	378375.0713978774	4400400.394748182	2672.031762232638	2586.967801799116	2547.6336647715048	2546.85284087181947	45.3542054084067	44.12986316711695
726	384	284146	107558.8566730735	10451777.3170250676	79.74480925171794	-100.4172094	378867.0265206083	4400394.396189915	2669.4856060113	2585.187201229374	2546.993665420795	2546.28146180948	44.1979137466693	42.9010961399321
727	384	284147	108288.8566730735	10451777.3170250676	79.74480161771794	-100.414864	378778.9677399883	4400393.39786574	2669.91871951865	2583.367688498437	2546.6550433192202	2546.19601850845	42.7128532214484	42.7128532214484
728	384	284148	108998.8566730735	10451777.3170250676	79.74479437960605	-100.412509	378687.9677399883	4400393.39786574	2669.91871951865	2583.367688498437	2546.6550433192202	2546.19601850845	42.7128532214484	42.7128532214484
729	384	284149	109638.8566730735	10451777.3170250676	79.74478666565985	-100.4101731	378718.818225338	4400382.41925278	2676.75200591168	2579.6782141203137	2546.01058671325	2545.1189864267982	38.66784444178534	38.66784444178534
730	384	284150	110198.8566730735	10451777.3170250676	79.74477912360829	-100.4078727	379378.8069621936	4400378.404783835	2673.301049511698	2577.871142937552	2539.3042176979	2540.26145540523	38.5067121767873	37.5496878350029
731	384	284151	110858.8566730735	10451777.3170250676	79.7447715349051	-100.4054823	379580.755454726	4400374.406925240	2679.74341253806	2575.931265427533	2537.02142899655	2540.103108	36.908525278772	36.908525278772
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733	384	284153	112178.8566730735	10451777.3170250676	79.7447562216974	-100.4007914	379892.64681637354	4400364.41284571	2671.3868767990229	2572.13717556835	2538.08628329343	2538.08628329343	30.80913217600574	30.80913217600574
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736	384	284156	114158.8566730735	10451777.3170250676	79.74473291193118	-100.393751	380085.4851789134	4400354.423536704	2655.9653141713	2566.37366226327	2532.224235496	2537.5717961414	31.14942963801663	28.0818615118925
737	384	284157	114818.8566730735	10451777.3170250676	79.744725513888	-100.3914097	380195.4851789134	4400350.427541255	2646.8629313806	2562.5239742292	2534.779847493023	2534.779847493023	29.6559974990915	27.1961524891828
738	384	284158	115478.8566730735	10451777.3170250676	79.7447175453215	-100.3890643	380367.3975534034	4400346.431826556	2643.7605313806	2562.5239742292	2534.779847493023	2534.779847493023	29.6559974990915	27.1961524891828
739	384	284159	116138.8566730735	10451777.3170250676	79.74470919436408	-100.386818	381188.3254027703	4400342.436323984	2638.890579089472	2560.54095971904	2533.104929417374	2533.104929417374	27.43596651645315	27.238880358606
740	384	284160	116898.8566730735	10451777.3170250676	79.7447017360829	-100.384518	381388.3254027703	4400342.436323984	2638.890579089472	2560.54095971904	2533.104929417374	2533.104929417374	27.43596651645315	27.238880358606
1	385	284161	370941.1483	1045837.3170250676	79.7407065318925	-100.172622	23250.0584104098	4400356.96035892	3752.877555857137	3571.728544004494	3483.58171107193	3483.58171107193	48.1489332364685	49.0016677357905
2	385	284162	370201.1483	1045837.3170250676	79.7407024968103	-100.115729	23252.2614600872	4400352.97469409	3750.87320716555	3565.8049038201	3483.689617117163	3483.689617117163	48.2006731702751	47.7995434020339
3	385	284163	369621.1483	1045837.3170250676	79.74071789513057	-100.1291318	23352.2614600872	4400348.623740439	3747.5770936103418	3564.0545307139	3486.313638856	3486.313638856	47.74138870146337	47.2439192827634
4	385	284164	368961.1483	1045837.3170250676	79.74074325	-100.1106868	23345.3481387125	4400345.42592668	3745.57875031484	3562.220493932706	3489.3109214604	3489.3109214604	47.8734506612928	47.70185931387411
5	385	284165	368301.1483	1045837.3170250676	79.740768559462	-100.108247	23354.3481387125	4400342.436323984	3744.338654658185	3560.3694829725	3494.32783454586	3494.32783454586	46.6903216209392	46.6903216209392
6	385	284166	367641.1483	1045837.3170250676	79.74079388967	-100.105851	23354.3481387125	4400342.436323984	3744.338654658185	3560.3694829725	3494.32783454586	3494.32783454586	46.6903216209392	46.6903216209392
7	385	284167	366981.1483	1045837.3170250676	79.740792035886	-100.103515	23354.3481387125	4400342.436323984	3744.338654658185	3560.3694829725	3494.32783454586	3494.32783454586	46.6903216209392	46.6903216209392
8	385	284168	366321.1483	1045837.3170250676	79.74074202199645	-100.102065	23425.6814717763	4400337.72221341	3731.252460892257	3554.842891016275	3497.6111932433	3497.6111932433	46.2779621778918	46.2779621778918
9	385	284169	365661.1483	1045837.3170250676	79.74072693371023	-100.0988614	23445.6814717763	4400333.6261521	3726.74819292182	3553.047251154307	3494.3308241845274	3494.3308241845274	46.71632634	46.71632634
10	385	284170	365001.1483	1045837.3170250676	79.74072491491258	-100.0965163	23469.846499837	4400331.43207984	3722.245331919608	3551.208347329054	3486.910637995503	3486.910637995503	46.710381334708	46.24653891706294
11	385	284171	364341.1483	1045837.3170250676	79.74073194508117	-100.0947172	23469.846499837	4400331.43207984	3722.245331919608	3551.208347329054	3486.910637995503	3486.910637995503	46.710381334708	46.24653891706294
12	385	284172	363681.1483	1045837.3170250676	79.74073194508117	-100.0947172	23469.846499837	4400331.43207984	3722.245331919608	3551.208347329054	3486.910637995503	3486.910637995503	46.710381334708	46.24653891706294
13	385	284173	363021.1483	1045837.3170250676	79.74073194508117	-100.0947172	23469.846499837	4400331.43207984	3722.245331919608	3551.208347329054	3486.910637995503	3486.910637995503	46.710381334708	46.24653891706294
14	385	284174	362361.1483	1045837.3170250676	79.74073194508117	-100.0947172	23469.846499837	4400331.43207984	3722.245331919608	3551.208347329054	3486.910			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThKlog.ft	SatThBoth.ft	
97	385	284257	-307581.1413	1045837.3170250766	39.42420305766372	-101.8924882	252153.0193963002	44030157.622972625	346.679069144356	337.6953101907507	3369.987345	3380.7804054950843	7.0796488170227	0	
98	385	284258	-306821.1413	1045837.3170250766	39.42324152094774	-101.8901429	252354.0819988404	4403153.47825473	340.173945043731	337.50419536373	3368.274333341945	3377.188569128834	6.226760253635	0	
99	385	284259	-306261.1413	1045837.3170250766	39.42340705453659	-101.8877877	252655.1518169718	4403140.68919833	343.110457339313	337.0169923697653	3366.5124100972326	3374.1241009723244	5.88906769972362	0	
100	385	284260	-305601.1413	1045837.3170250766	39.42360505308266	-101.885425	252756.2139606814	440315.170252701	342.271840513741	337.404536843853	3364.3834369619076	3375.26537334167	5.07826162987304	0.1532063121809594	
101	385	284261	-304941.1413	1045837.3170250766	39.42387315350625	-101.8831073	252857.27072005023	4403141.031827064	341.8388071774993	336.691243908296	3361.886062990374	3365.60517576841	6.10640629732243	2.886081396549808	
102	385	284262	-304281.1413	1045837.3170250766	39.4240807675669	-101.8807621	253158.329805029	4403136.884641024	340.5205777049385	336.6512793076929	3358.522766116332	3363.12117896320933	5.128403652987263	11.38354118566308	
103	385	284263	-303621.1413	1045837.3170250766	39.4242894465637	-101.8784168	253359.3886471705	4403132.78	339.35634316146612	3364.884101779836	3355.2553230107096	3366.89806895115	9.6260789048036	7.891594073927113	
104	385	284264	-302961.1413	1045837.3170250766	39.42449767249661	-101.8760716	253560.4472527456	4403128.590993081	338.2144115984588	3363.17211916469	3351.060033	3351.7876707308037	8.12117896320933	11.38354118566308	
105	385	284265	-302301.1413	1045837.3170250766	39.424705453659	-101.8737284	253761.6050000783	4403124.4445	337.0169923697653	337.0169923697653	3366.5124100972326	3374.1241009723244	5.88906769972362	14.891257286658852	
106	385	284266	-301641.1413	1045837.3170250766	39.42491725716954	-101.8713812	253962.5637115782	4403120.29	342.143621660547	3359.8912021783317	3341.5485115900164	3341.5471290970406	18.3426627816758	18.34267308125122	
107	385	284267	-300981.1413	1045837.3170250766	39.42511196319087	-101.8690389	254167.6218819704	4403115.2323322	3354.9877120817778	3354.9877120817778	3337.030066178000	3363.941790970406	17.35674503076166	18.09358114177122	
108	385	284268	-300321.1413	1045837.3170250766	39.4253260545822	-101.8666907	254364.6792060654	4403112.00689074	3341.745296624254	3341.745296624254	3333.483808725761	3327.27262462975	18.25591590366574	18.473033986450446	
109	385	284269	-299661.1413	1045837.3170250766	39.425532006188	-101.8643455	254565.7365893946	4403107.86107096	3348.502881177074	3348.502881177074	3331.168589897068	3331.1551541804706	18.32262305375974	17.34772996603347	
110	385	284270	-299001.1413	1045837.3170250766	39.4257375137308	-101.8620003	254766.79373038936	4403103.71581758	3345.260465724722	3345.260465724722	3329.719407338049	3329.790550501142	15.4185038667283	15.459915223180124	
111	385	284271	-298341.1413	1045837.3170250766	39.4259426	-101.859655	254967.8506295552	4403099.57096354	3344.0396523308036	3344.0396523308036	3328.811448080103	3329.4735375788356	15.25840232693223	14.99231473968003	
112	385	284272	-297681.1413	1045837.3170250766	39.42614716961256	-101.8573089	255168.9072802146	4403095.420015904	3344.8110409953185	3344.8110409953185	3327.542146115033	3327.49735139862	17.20898450205378	17.343890863638	
113	385	284273	-297021.1413	1045837.3170250766	39.4263513179523	-101.854946	255369.96370143222	4403091.28475681	3345.622296583434	3345.622296583434	3328.0581389852136	3326.032850571133	15.84009	19.60944652682112	
114	385	284274	-296361.1413	1045837.3170250766	39.426555	-101.8526193	255571.0918751436	4403087.31715861	3346.443183243484	3346.443183243484	3324.27067617299	3324.270610380723	22.1747170492227	22.16747170492227	
115	385	284275	-295701.1413	1045837.3170250766	39.4267582554277	-101.8502741	255772.07805774	4403082.9931614636	3348.398271917617	3348.398271917617	3322.278424020347	3322.27867346213	20.3820753713906	24.38985175644976	
116	385	284276	-295041.1413	1045837.3170250766	39.42696104456236	-101.8479288	255973.1314989011	4403078.84927399	3351.493591278762	3351.493591278762	3320.372328154725	3320.1052339058344	25.1155339958344	25.2218014005485	
117	385	284277	-294381.1413	1045837.3170250766	39.4271638072745	-101.8455836	256174.1872094938	4403074.705716835	3354.959310393834	3344.02132982483	3318.099126591237	3323.73673929479	25.1929395579943	26.06758930164075	
118	385	284278	-293721.1413	1045837.3170250766	39.42736526372875	-101.8432384	256376.14022593838	4403070.56237804	3357.693024440033	3342.752692379383	3315.684057666307	3316.285203819662	26.1880048775714	26.46748555376307	
119	385	284279	-293061.1413	1045837.3170250766	39.42756672819581	-101.8409351	256576.2972813545	4403066.19078716	3360.341192368128	3342.752692379383	3315.684057666307	3316.285203819662	28.1115717547584	28.1115717547584	
120	385	284280	-292401.1413	1045837.3170250766	39.4277677650055	-101.8385479	256773.1519573258	4403062.76	3359.521516177533	3339.5840898206	3320.588247477106	3320.187560359303	16.77509612814593	20.16823905	
121	385	284281	-291741.1413	1045837.3170250766	39.4279681942918	-101.8362026	256978.40644627815	4403058.13805724	3358.73221740436	3332.969217334137	3323.487890368835	3323.487890368835	15.283704609057	17.56254170600957	
122	385	284282	-291081.1413	1045837.3170250766	39.4281682650098	-101.8338574	257179.4607	4403053.94142862	3360.93019072062	3338.27084839359	3327.7472699292975	3327.916655060794	10.47981491006157	11.0354193367973	
123	385	284283	-290421.1413	1045837.3170250766	39.428367826485	-101.8315121	257380.51470481578	4403049.84923236	3363.5071411226022	3337.921274880153	3331.9953390868847	3331.404389	5.886880881135344	0	
124	385	284284	-289761.1413	1045837.3170250766	39.4285670472193	-101.8291669	257581.56847481724	4403045.70396139	3360.55444231923	3336.46534129347	3336.6429472324426	3336.189150041933	0	0.2671184087482081	
125	385	284285	-289101.1413	1045837.3170250766	39.4287658	-101.8268216	257782.620558212	4403041.77879116	3371.593771172596	3334.7176522946	3331.483832	0	0	0	
126	385	284286	-288441.1413	1045837.3170250766	39.4289671317	-101.8244764	257983.6321701817	4403037.44243704	3384.63310110583	3335.1304612160313	3346.628433279813	3346.84167191365	0	0	
127	385	284287	-287781.1413	1045837.3170250766	39.4291682249694	-101.8221311	258184.7283502311	4403031.28319449	3389.826995413806	3334.664206446976	3339.3309354542625	3339.05017442	0	0	
128	385	284288	-287121.1413	1045837.3170250766	39.4293691477645	-101.8197859	258385.7811645276	4403029.142211493	3393.164933082397	3334.340631432907	3344.9929102071205	3345.609865465167	0	0	
129	385	284289	-286461.1413	1045837.3170250766	39.4295660739823	-101.8174046	258586.83107044138	4403025.00519831	3396.502870418533	3334.346884	3334.8648631934435	3335.1036075698	0	0	
130	385	284290	-285801.1413	1045837.3170250766	39.429752501142	-101.8150954	258787.8860780973	4403020.86105435	3398.8407840148087	3334.1028561474253	3333.286561474253	3323.112805614865	10.81726263037376	10.991637489962159	
131	385	284291	-285141.1413	1045837.3170250766	39.429948531713	-101.8127601	258988.98817778392	4403016.721	3402.14705721007	3334.2059857902614	3331.5983068989364	3331.159172390996	22.60890510095452	23.04681398261737	
132	385	284292	-284481.1413	1045837.3170250766	39.43014405317	-101.8104048	259189.9903289108	4403012.7897816	3402.4172085524	3334.45639	3330.59838412207	3330.59838412207	25.553303892825	33.7459173289853	
133	385	284293	-283821.1413	1045837.3170250766	39.430339140906	-101.8080698	259391.0416639932	4403008.441143948	3403.8176985720065	3329.415759992737	3329.415759992737	3329.415759992737	3329.415759992737	33.7459173289853	33.7459173289853
134	385	284294	-283161.1413	1045837.3170250766	39.4305337739821	-101.8057143	259592.0305902852	4403004.16035034	3405.97042514695	3335.314332486638	3328.612141928437	3328.923309279405	36.70219023979405	36.99042064226146	
135	385	284295	-282501.1413	1045837.3170250766	39.430737546475	-101.8033691	259793.1442006935	4403001.32673956	3407.351393212835	3335.925646369095	3330.43572899758203	3331.474561108410	31.84118826095381	31.84118826095381	
136	385	284296	-281841.1413	1045837.3170250766	39.43093216823264	-101.8010238	259994.19511349456	4402996.03284738	3417.842811589312	3336.64126608929	3330.6128860495843	3330.6128860495843	30.51124560244914	29.89107323052517	
137	385	284297	-281181.1413	1045837.3170250766	39.4311149562844	-101.7986789	260195.2457898073	4402991.885	3420.33247959313	3337.444768656975	3330.62006090967145	3330.62006090967145	31.774855588934986	31.774855588934986	
138	385	284298	-280521.1413	1045837.3170250766	39.4313077784534	-101.7963323	260396.2962295277	4402987.746917939	3422.621483246707	3338.425479494585	3330.594874188007	3330.594874188007	32.5357632531243	32.5357632531243	
139	385	284299	-279861.1413	1045837.3170250766	39.431502907681	-101.7940931	260597.4285442981	4402983.7458321658	3424.737458321658	3339.43292412848994	3330.594874188007	3330.594874188007	33.7459173289853	33.7459173289853	
140	385	284300	-279201.1413	1045837.3170250766	39.4316992027307	-101.7918427	260798.3963918713	4402979.469735672	3426.838284857887	3340.252511767545	3330.594874188007	3330.594874188007	34.90433214288142	34.66978951220664	
141	385	284301	-278541.1413	1045837.3170250766	39.4318835245616	-101.7892975	260999.46413026478	4402973.31923931	3451.05195990294	3341.26382694					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SatfthKgr.f	SatfthBoth.f
223	285	284383	-224421.1413	1045837.3170250766	39.74460451734699	-101.5969813	277484.7140814021	40202636.848048264	3512.6946834801457	3725.1144177057145	3182.2758577832315	3182.0999656834228	83.63855992	93.01416807148364
224	285	284384	-227261.1413	1045837.3170250766	39.744615942905106	-101.594636	277685.77194596794	40202630.70146693	3510.327899678627	3723.994755420533	3182.6394818215325	3182.634500014837	91.5939239900206	91.6497561
225	285	284385	-229101.1413	1045837.3170250766	39.74462498315256	-101.592296	277866.80259973163	40202638.12485284	3507.9613255904563	3722.800954326466	3182.639882555987	3182.62895215967	90.07916417087108	90.01700210507678
226	285	284386	-222441.1413	1045837.3170250766	39.74465017808936	-101.589952	277867.830314044	40202634.490531345	3505.594754	3721.8205645611327	3182.9209149050538	3182.060481905425	88.8997501495425	88.9263020637666
227	285	284387	-227181.1413	1045837.3170250766	39.74466542771545	-101.5875999	278288.8632449034	40202630.7680352	3502.447682040232	3720.7789320223436	3182.7130366397023	3181.5150814471895	80.6598953826474	89.2638055761018
228	285	284388	-221121.1413	1045837.3170250766	39.744678923013035	-101.5852545	278489.8932404335	40202631.290074575	3498.5201101373324	3720.742604514275	3182.323541	3180.908201	87.41910472327674	88.3444532875774
229	285	284389	-220461.1413	1045837.3170250766	39.744687510305426	-101.5828991	278690.9231820614	40202612.144233948	3494.6965037715347	3720.760603703636	3181.7840352432067	3180.34352432067	89.9320251742937	88.72553
230	285	284390	-219801.1413	1045837.3170250766	39.74471090472923	-101.5805838	278881.95257842215	40202612.027769946	3490.5445622776946	3720.7695718	3181.36211138957	3179.93073129427093	86.3454703102277	87.7784549272056
231	285	284391	-219141.1413	1045837.3170250766	39.74472597311221	-101.5786214	279062.9619212656	40202638.911545462	3488.324969527578	3720.7696972578	3181.6349733757616	3180.6930753757616	86.13486530146301	86.8656559646301
232	285	284392	-218481.1413	1045837.3170250766	39.74474099618436	-101.575873	279254.0174102055	4020259.76	3487.914631223558	3720.7699527967756	3179.5999527967756	3179.064072555366	87.5999036705279	87.5999036705279
233	285	284393	-217821.1413	1045837.3170250766	39.7447553945615	-101.5735276	279495.039556141	4020259.68	3487.383266	3720.7699527967756	3178.381893511326	3175.938156	86.26746400953971	88.71120209169248
234	285	284394	-217161.1413	1045837.3170250766	39.744770906359564	-101.571823	279696.06864787	40202591.564390044	3486.870140207207	3720.765528225037	3177.124624193075	3177.124624193075	86.57816394315023	90.50662274825228
235	285	284395	-216501.1413	1045837.3170250766	39.74478573353538	-101.5688389	279897.0971234212	40202587.49042556	3486.75809532317	3720.7631978113377	3175.6231250796509	3171.2204126132924	86.03982731686802	91.93956500016864
236	285	284396	-215841.1413	1045837.3170250766	39.744800064	-101.5664915	280098.152362468	40202583.334015545	3486.095369595829	3720.76158527384409	3174.117095034423	3169.332743996611	92.2633154433801	92.2633154433801
237	285	284397	-215181.1413	1045837.3170250766	39.744815188127	-101.5641481	280299.1534257663	40202587.912928008	3487.095369595829	3720.76158527384409	3174.117095034423	3169.332743996611	92.2633154433801	92.2633154433801
238	285	284398	-214521.1413	1045837.3170250766	39.744830183077	-101.5618008	280500.181252981	402025.75	3487.290127282515	3720.76158527384409	3174.117095034423	3169.332743996611	92.2633154433801	92.2633154433801
239	285	284399	-213861.1413	1045837.3170250766	39.74484488898305	-101.5594564	280701.2088650058	402025.75	3487.290127282515	3720.76158527384409	3174.117095034423	3169.332743996611	92.2633154433801	92.2633154433801
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241	285	284401	-212541.1413	1045837.3170250766	39.74487416484052	-101.5547646	281103.2634412753	402025.75	3487.290127282515	3720.76158527384409	3174.117095034423	3169.332743996611	92.2633154433801	92.2633154433801
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267	285	284427	-195381.1413	1045837.3170250766	39.7									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.ft	BRIElevBothKgs.ft	SatHtKgs.ft	SatHtBoth.ft
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389	385	284549	-114861.1413	1045837.3170250766	39.746537811125774	-101.2076396	0310853.0266076984	401956.55134927	3195.91307909812	3004.50042289807	2983.009657372347	2983.009657372347	45.0332885725431	45.1757179939345
390	385	284550	-114201.1413	1045837.3170250766	39.74654544774855	-101.2052941	0311054.0427059184	401952.43734258	3202.14695397182	3031.8843915843004	2983.75818325257	2981.934441299076	48.1295597054033	49.9495034392724
391	385	284551	-113541.1413	1045837.3170250766	39.7465531151511	-101.2029367	0311254.0432907876	401949.346147259	3175.695540623113	3039.85191294798	2993.1902284720956	2991.791601229353	46.6167447898032	48.050311718450976
392	385	284552	-112881.1413	1045837.3170250766	39.7465605106612985	-101.2000031	0311456.0183374535	401945.4731373458	3158.4784053484075	2982.27478572885	2979.22924024016	43.23		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatTnHogs.ft	SatTnBoth.ft
475	284635	-1801.14133	1045837.3170250766	37.4704285951299	-101.005926	328138.15148905545	4041606.6925140025	311.6226506977747	2911.05308494717284	2886.623944852181	2887.0754472029016	24.2291393654761	23.97737728826827	
476	284636	-17441.14133	1045837.3170250766	37.47005223	-101.009889	328319.1380003925	4041604.34730582	311.029502	2910.226209415916	2885.214640714056	2885.70634395705	25.0158624018593	24.51584260221072	
477	284637	-56781.14133	1045837.3170250766	37.47006147328066	-101.001225	328460.1158451375	4041603.571184657	310.8243057006714	2899.2430897327614	2882.89834762949	2883.198111293273	26.43300622812415	26.1249440804815	
478	284638	-56121.14133	1045837.3170250766	37.4700602326305	-101.0038985	328741.0923749656	4041605.817622445	310.835490662131	2908.35623093707	2890.5908126103497	2885.76535302185	27.76208928337456	27.58826671520274	
479	284639	-55641.14133	1045837.3170250766	37.470063838313	-100.996544	328942.07937567495	4041562.406280538	310.8733586060455	2907.3272901868163	2878.3684489419857	2878.646602662464	28.958841244830637	28.702620360172523	
480	284640	-54801.14133	1045837.3170250766	37.4700613918719	-100.9941984	329143.0613818796	4041586.4504971925	310.875591218025	2906.2546052441133	2876.459500756062	2876.800973647695	29.7446511688541	29.45363115865641	
481	284641	-54141.14133	1045837.3170250766	37.47007139175836	-100.9918529	329344.0242862318	4041582.394375996	310.89152139077431	2905.1442217670237	2875.342391918365	2875.4955831340824	30.04182985	29.64863845317541	
482	284642	-53481.14133	1045837.3170250766	37.4700737384913	-100.9895074	329545.0247171931	4041578.293017563	311.0151064374905	2904.004471833036	2874.4541916193384	2874.656382347498	29.50208262	29.34733095348506	
483	284643	-52821.14133	1045837.3170250766	37.4700782306975	-100.9876119	329746.00535271285	4041574.236869517	310.896893963666	2902.8430897443257	2873.94382963656	2873.198136321687	28.894765327996147	28.64986211215702	
484	284644	-52161.14133	1045837.3170250766	37.4700733	-100.9845183	329946.9863110841	4041570.18110357	310.9333970717431	2901.8671339813235	2873.69090369305	2873.974797639573	27.87623474493055	27.69232423529628	
485	284645	-51501.14133	1045837.3170250766	37.4700858567643	-100.9824708	330147.96713051246	4041565.1236996	310.8931940071302	2900.646600156404	2873.646668610003	2873.850689732683	26.96293212460136	26.9230043200736	
486	284646	-50841.14133	1045837.3170250766	37.4740094	-100.9801253	330348.947875204	4041562.0968377	309.4729941251272	2899.301622444268	2873.4674707373267	2873.737324947483	25.83664580641306	25.554297894523643	
487	284647	-50181.14133	1045837.3170250766	37.47009267484135	-100.9777798	330549.92827536515	4041560.018779134	309.158112252394	2898.330874880398	2873.3172314690355	2873.51115030935	24.13547011375716	24.158763344430473	
488	284648	-49521.14133	1045837.3170250766	37.4700962062483	-100.9754342	330750.90860120155	4041553.99883439	308.97454636103	2898.7645958111716	2872.897750784257	2873.1719547486437	24.07680516345942	23.962471662527982	
489	284649	-48861.14133	1045837.3170250766	37.4700996673008	-100.9730887	330951.8868762224	4041549.905157104	308.794777593767	2895.8351796227544	2872.08342530313	2872.679698483206	23.754513962134	23.15594877443391	
490	284650	-48201.14133	1045837.3170250766	37.47102998796	-100.9704732	331152.86976072973	4041545.850981177	308.6205140444303	2894.714045068004	2871.326633676363	2871.803091181163	23.38831138974086	22.82104188897547	
491	284651	-47541.14133	1045837.3170250766	37.47102687114	-100.9683397	331353.848948302	4041541.79476615	308.2944170512698	2893.6717953727287	2870.473384066518	2870.9848873079986	23.1456696071066	22.6294641923004	
492	284652	-46881.14133	1045837.3170250766	37.4710952823302	-100.9660522	331554.8286543256	4041537.74249522	308.0795712685897	2892.564600263865	2869.708263203275	2870.15736017721	22.38342817537792	22.38957006144368	
493	284653	-46221.14133	1045837.3170250766	37.4711272443635	-100.9637066	331755.807727412	4041533.6887477	307.9189677040316	2891.5017885557286	2869.4947492874286	2869.8578972519936	22.00430926829995	21.64380133735017	
494	284654	-45561.14133	1045837.3170250766	37.4711587324255	-100.9613611	331956.7871166948	4041526.332634006	307.7583139430015	2890.48431685628	2870.541076	2870.9638043006528	19.9432400600528043	19.520512473328022	
495	284655	-44901.14133	1045837.3170250766	37.4711890889166	-100.9590156	332157.7652983047	4041525.582	307.396152646573	2889.49202719833	2872.167843259196	2872.658287399565	17.32525946191663	16.736733980261672	
496	284656	-44241.14133	1045837.3170250766	37.4711201153524	-100.9566701	332358.15436187005	4041521.52829379	306.8732345	2888.526919416219	2869.95595269476	2870.559579	17.43253895271212	17.967340992967623	
497	284657	-43581.14133	1045837.3170250766	37.4710212620834	-100.9543254	332559.1478131682	4041518.1278125845	306.478132845	2887.1478132845	2869.49202719833	2870.559579	17.43253895271212	17.967340992967623	
498	284658	-42921.14133	1045837.3170250766	37.4710202720805	-100.951979	332760.7028710315	4041513.43275216	306.4771863104	2886.69634265274	2868.25580009309	2868.973051131026	20.44334471215658	19.69638311620151	
499	284659	-42261.14133	1045837.3170250766	37.4713095003115	-100.9496335	332961.6813898265	4041509.312499965	306.0635690428884	2885.777615893063	2864.289603126445	2865.08281936672	20.0481266261365	20.09476352634424	
500	284660	-41601.14133	1045837.3170250766	37.4713392026005	-100.9478279	333162.6597690121	4041501.39164605	307.1450748695956	2884.908435084934	2862.740609127605	2863.500687	22.167825957288642	21.407568261273354	
501	284661	-40941.14133	1045837.3170250766	37.47136662703	-100.9449424	333363.638	4041505.26716328	307.626580696903	2884.05903010667	2860.811472783001	2862.1407001702607	22.167825957288642	21.407568261273354	
502	284662	-40281.14133	1045837.3170250766	37.471394107048	-100.9425969	333564.6114251474	4041497.215703945	307.10086520097	2882.247197357938	2859.21141896193	2860.6146696211927	20.413300773804091	22.61050511460111	
503	284663	-39621.14133	1045837.3170250766	37.471394107048	-100.9402514	333765.594996934	4041483.15433931	306.7941258119655	2882.4007	2859.21141896193	2860.6146696211927	20.413300773804091	22.61050511460111	
504	284664	-38961.14133	1045837.3170250766	37.47144891514584	-100.9379059	333966.5417376559	4041478.11394459	306.6545882167227	2881.99975562727	2858.99975562727	2859.051153010704	22.61050511460111	22.61050511460111	
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507	284667	-36981.14133	1045837.3170250766	37.47152713516126	-100.9308693	334569.503446447	4041476.96120915	305.9404938438946	2879.054823906257	2851.335919508301	2850.8554969796707	27.718904397395067	26.509125939189744	
508	284668	-36321.14133	1045837.3170250766	37.47115523	-100.9285237	334770.102727971	4041479.911022913	305.21606343678	2878.1744424891785	2849.807488105258	2850.8554969796707	27.718904397395067	26.509125939189744	
509	284669	-35661.14133	1045837.3170250766	37.4715770075151	-100.9261782	334971.4579459562	4041488.861071359	304.8305844309762	2877.258994791999	2848.51701547628	2849.24166554604	28.04330733037189	28.04330733037189	
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512	284672	-33681.14133	1045837.3170250766	37.471644235274	-100.9191416	335574.3878	4041456.712647293	304.8305844309762	2877.258994791999	2848.51701547628	2849.24166554604	28.04330733037189	28.04330733037189	
513	284673	-33021.14133	1045837.3170250766	37.471671322453	-100.9167961	335776.3640447721	4041438.6364444	303.84380468401196	2874.866782036333	2842.101688091737	2842.8021628580905	30.1287027030117	30.1287027030117	
514	284674	-32361.14133	1045837.3170250766	37.47169376822306	-100.9144506	335976.7401705525	4041448.61482796	304.729855862584	2871.688811863696	2840.53408215305	2841.006235137809	31.1530391048309	30.6826405	
515	284675	-31701.14133	1045837.3170250766	37.4717137608372	-100.912105	336177.31673157485	4041434.556356349	304.1736598377495	2868.792649647599	2839.291898987589	2839.291898987589	33.146738717278493	33.973939589836785	
516	284676	-31041.14133	1045837.3170250766	37.471717373	-100.909759	336378.2915404086	4041430.51867705	304.366417309524	2868.70484830883	2837.13028138154	2837.13028138154	35.045209272915	35.045209272915	
517	284677	-30381.14133	1045837.3170250766	37.471717373	-100.9074259	336579.27262659	4041426.15451484102	304.366417309524	2868.70484830883	2837.13028138154	2837.13028138154	35.045209272915	35.045209272915	
518	284678	-29721.14133	1045837.3170250766	37.4717991792426	-100.9050684	336780.2430816285	4041432.4220008	303.85417925055	2865.1440043473954	2834.2984630195	2834.2984630195	36.845057967210323	36.845057967210323	
519	284679	-29061.14133	1045837.3170250766	37.4717991792426	-100.9027229	336981.2142222085	4041432.3722337	303.6203308174113	2863.14492	2833.026519669374	2832.954305396644	30.1184042669961	30.1184042669961	
520	284680	-28401.14133	1045837.31702507											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKsg.f.t	BRElevBothK.f.t	SatThkLog.s	SatThkBoth.f
591	384771	25058.85867307335	14585837.310250766	39.47119186657965	-100.103893	56046.6782141381	4401097.279476169	2723.056105246732	2661.46836873054	2669.499476219492	2669.3139793743812	0	0	
602	384762	25115.85867307335	14585837.310250766	39.47118944355086	-100.708438	53361.64115844233	4401093.251552482	2720.217710054138	2659.9677556347847	2663.8346371952526	2663.6043504458156	0	0	
603	384763	26378.85867307335	14585837.310250766	39.47117064583124	-100.705683	53582.6308214353	4401089.223865197	2715.305269158158	2658.47063158158	2659.4238405174475	2659.4238405174475	0	0	
604	384764	27038.85867307335	14585837.310250766	39.4711852110477	-100.703527	54063.5666254586	4401085.196	2708.318807140487	2656.97537014122	2655.584942562643	2655.7614930240322	1.3904304515576769	1.213879593794384	
605	384765	27698.85867307335	14585837.310250766	39.47118384195578	-100.7010072	54264.5291485059	4401081.169199408	2701.332426218777	2655.481236684184	2649.6411202761924	2648.6412371416738	1.84011919196164	5.633292546510599	
606	384766	28358.85867307335	14585837.310250766	39.4711820749116	-100.698617	54445.4951315866	4401077.142212915	2694.34591712236	2653.86660391287	2641.78737683934	2641.7994037453227	1.92129247353186	12.18720295674318	
607	384767	29018.85867307335	14585837.310250766	39.4711800471709	-100.6963162	54666.45374748755	4401073.115480272	2695.48601450689	2652.4896019421035	2634.641221645128	2634.6412349108978	17.84837577590718	18.04638031205277	
608	384768	29678.85867307335	14585837.310250766	39.4711780471508	-100.6939706	54867.4158785789	4401069.080875013	2704.76323402407	2650.9890948421035	2632.4822086607928	2632.4822086607928	26.444195313951	22.5425900116900907	
609	384769	30338.85867307335	14585837.310250766	39.4711759220362	-100.6916215	55068.3784290116	4401065.62706128	2714.036945358567	2649.841394214154	2625.3406079783885	2624.878311733885	24.1438386353981	24.61082768750218	
610	384770	30988.85867307335	14585837.310250766	39.4711738641755	-100.689279	55259.339690457	4401061.03673036	2723.310526	2647.973896425945	2624.210206191255	2623.7381546574925	23.763699204378997	24.2377448511913	
611	384771	31658.85867307335	14585837.310250766	39.471171543387	-100.686934	55509.353423212	4401057.011	2733.17317758929	2646.457065785923	2624.506185203724	2624.076275805997	21.92778050215903	22.38112899799262	
612	384772	32318.85867307335	14585837.310250766	39.4711695190732	-100.684585	55567.262901487	4401052.985317622	2743.626232	2644.931532139534	2625.0834835892792	2624.71905134078	20.48408604674204	20.21248088646962	
613	384773	32978.85867307335	14585837.310250766	39.47116727401736	-100.682243	55852.2340515417	4401048.959994139	2754.07845230821	2643.3900932324253	2626.635524248835	2626.234386944596	16.7594805795417	17.1706223796563	
614	384774	33638.85867307335	14585837.310250766	39.47116591	-100.6798975	56073.1855810753	4401044.93409089	2764.53140302526	2641.8473035619777	2628.2091199978954	2628.2091199978954	13.63818356408223	14.8004344103308	
615	384775	34298.85867307335	14585837.310250766	39.4711625810724	-100.6775519	56274.1471339747	4401040.91066155	2774.26255666144	2640.28748438736	2633.4740318087	2632.4504521789605	11.8376412578665	11.8376412578665	
616	384776	34958.85867307335	14585837.310250766	39.471160220408	-100.6752064	56475.107703154	4401038.885441636	2783.109771049173	2638.716570253377	2630.48000051023	2629.471482457407	8.23957020295372	9.23908776236163	
617	384777	35618.85867307335	14585837.310250766	39.4711578575042	-100.672869	56676.06564363	4401032.861063416	2792.01218	2637.133318229451	2631.507168	2630.405408308679	5.261499743391427	6.72823392077078	
618	384778	36278.85867307335	14585837.310250766	39.471155389295	-100.6705153	56877.0202837119	4401028.836921489	2800.912696722034	2635.53455830635	2632.575481008379	2631.545357110723	2.96149754468473	3.99401872727718	
619	384779	36938.85867307335	14585837.310250766	39.47115287573128	-100.6681698	57077.989655769	4401024.8103158475	2803.588726706057	2633.928830643545	2633.029719528525	2632.0335676962177	0.8991155358203287	1.895267368127611	
620	384780	37598.85867307335	14585837.310250766	39.4711503164405	-100.6658243	57278.70501301495	4401020.7836448	2800.939227327367	2632.3074451800996	2633.7271472715274	2632.304489399333	0	0	
621	384781	38258.85867307335	14585837.310250766	39.471471726494	-100.6634788	57479.9180181533	4401016.765913382	2796.489719684077	2630.6731842452646	2633.9835920593914	2633.1121490772475	0	0	
622	384782	38918.85867307335	14585837.310250766	39.47141506	-100.6611332	57680.8107892502	4401012.42716537	2792.940279564179	2629.026512715903	2632.498671693364	2632.857755652463	0	0	
623	384783	39578.85867307335	14585837.310250766	39.4713975943	-100.658823	57883.830223351	4401008.19175943	2794.06329257846	2627.832682192885	2632.6882192885	2632.6882192885	26.93243522996	26.93243522996	
624	384784	40238.85867307335	14585837.310250766	39.47138261214	-100.656442	58082.7027228755	4401004.697031589	2778.41831622425	2625.69883338611	2633.98269756447	2632.203050576671	0	0	
625	384785	40898.85867307335	14585837.310250766	39.4713684270006	-100.6540696	58283.7504855988	4400998.45847721994	2768.920276721894	2624.019633708872	2632.057754162914	2631.479309761229	0	0	
626	384786	41558.85867307335	14585837.310250766	39.47134011924416	-100.6517511	58484.7011095535	4400996.652291563	2761.42217182173	2622.3322718940894	2631.29987573555	2630.850050199398	0	0	
627	384787	42218.85867307335	14585837.310250766	39.4713113583274	-100.6494056	58685.66960188	4400992.860275877	2755.329296042527	2620.63850051047	2630.937482063470	2630.784759008945	0	0	
628	384788	42878.85867307335	14585837.310250766	39.4712821442551	-100.6470061	58886.6289564096	4400988.048496391	2751.641643839515	2618.940363004224	2629.58426673938	2629.802498	0	0	
629	384789	43538.85867307335	14585837.310250766	39.471254770275	-100.644259	59087.7681794858	4400984.586953099	2747.94027289196	2617.2398693976043	2628.05458936043	2628.05458936043	26.93243522996	26.93243522996	
630	384790	44198.85867307335	14585837.310250766	39.471235633	-100.642389	59288.54713817919	4400980.565453996	2746.356072359	2615.1540133	2627.17697972099	2627.17697972099	26.93243522996	26.93243522996	
631	384791	44858.85867307335	14585837.310250766	39.4711917830924	-100.6400235	59489.50631189725	4400976.545	2737.2343865869026	2613.845010243808	2625.497454103137	2625.559664032737	0	0	
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633	384793	46178.85867307335	14585837.310250766	39.47111293	-100.6353234	59891.4238083926	4400968.503	2716.581801872243	2610.474820135067	2624.5277147820917	2624.607243135356	0	0	
634	384794	46838.85867307335	14585837.310250766	39.4710973434964	-100.6329869	60092.38253519663	4400964.483	2706.245509523435	2608.927323622202	2625.40271516783	2625.96673	0	0	
635	384795	47498.85867307335	14585837.310250766	39.47106495759248	-100.6306414	60293.24076797875	4400960.46250951	2694.1065739056691	2607.157839	2627.008704388615	2626.06502336242	0	0	
636	384796	48158.85867307335	14585837.310250766	39.471031195094	-100.628259	60494.29049453	4400956.421707173	2690.14483050197	2605.312429314806	2626.12443655330	2626.12443655330	26.93243522996	26.93243522996	
637	384797	48818.85867307335	14585837.310250766	39.471000925108	-100.6259853	60695.257192018	4400952.43106721	2686.975311651673	2603.933965	2626.82445544493	2626.117982737667	0	0	
638	384798	49478.85867307335	14585837.310250766	39.4709650799924	-100.6236048	60896.2152045566	4400948.43688778	2682.280473727276	2602.37340673676	2596.1691736235685	2596.6171	6.26261050107433	6.758035037	
639	384799	50138.85867307335	14585837.310250766	39.4709300812168	-100.6212593	61097.1730830112	4400943.36840545	2683.675781070956	2600.869380178266	2587.977249446342	2587.078602548635	1.62916552346179	1.739351992402517	
640	384800	50798.85867307335	14585837.310250766	39.4709062282866	-100.6189138	61298.130828779	4400940.36561209	2680.4538655212	2599.43766972507	2587.120214041112	2586.54119990106	1.27155435313947	12.89656686144535	
641	384801	51458.85867307335	14585837.310250766	39.4708611	-100.6165682	61499.0884417562	4400938.36818557	2678.45541196518	2598.1088920197976	2586.6438842971024	2586.6438842971024	11.465097722695191	11.84125363551477	
642	384802	52118.85867307335	14585837.310250766	39.4708255659627	-100.6142227	61700.4059221575	4400932.28377891	2674.46472741824	2596.90532977292	2585.64504153428	2585.34048813723	11.4296774466387	11.565281183689414	
643	384803	52778.85867307335	14585837.310250766	39.470786456966	-100.611847	61901.3032718162	4400926.19044878	2672.436719192674	2594.831230754486	2584.81230754486	2584.81230754486	11.012812559138077	11.012812559138077	
644	384804	53438.85867307335	14585837.310250766	39.4707530900223	-100.6093371	62101.964080457	4400924.292139037	2670.45719192674	2594.84921985370	2588.349621640928	2587.51519495977	8.44660344344647	8.73096247	
645	384805	54098.85867307335	14585837.310250766	39.4707161732045	-100.6071862	62302.30715699433	4400920.247339461	2670.32722853405	2593.96083684336	2589.632530611043	2589.632530611043	4.328283523231676	4.277002362031453	
646	384806	54758.85867307335	14585837.310250766	39.470678801449	-100.6048406	62503.8745220928	4400916.258442059	2636.825195143076	2593.1510787698	2593.510773953573	2593.738179110447	0	0	
647	384807	55418.85867307335	14585837.310250766	39.4706407974553	-100.6024951	62704.8313426891	4400912.23950574	2637.35022409684	2592.40212					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
727	385	284887	10878.85867307335	1045837.3170250766	36.74661468	-100.4148544	37870.96920866325	4005091.620025825	2676.13823463412	2582.497111637435	2540.6802034737275	2541.927651125309	41.81890816370701	40.56946051252715
728	385	284888	10878.85867307335	1045837.3170250766	36.74660721260805	-100.4125089	378981.916703147	4005087.621620749	2676.9743583121854	2580.6781570982157	2540.348599072198	2540.6560252454357	40.23955602629645	39.017914552779985
729	385	284889	10878.85867307335	1045837.3170250766	36.746609379243032	-100.4101634	379192.8628911244	4005083.6238611302	2681.8105623869994	2578.8428971942036	2538.8651176132415	2537.9780956293166	37.6389043737341	37.6389043737341
730	385	284890	10878.85867307335	1045837.3170250766	36.746625219885284	-100.4078179	379831.80942546163	4005079.62016927	2684.648604093723	2576.990313443482	2539.4786915166937	2540.45737	37.5142193	36.53537640021146
731	385	284891	10878.85867307335	1045837.3170250766	36.74658460102577	-100.4054724	379584.7559	4005075.628617919	2683.7115062419615	2575.1300553885567	2539.2238628971606	2540.3417917884283	35.96067249139612	34.787813660212386
732	385	284892	11158.85867307335	1045837.3170250766	36.7465769665181	-100.4031269	379785.7023264634	4005071.631354167	2679.0044185167515	2573.2546223072363	2538.2952393	2539.19520645711	33.05941580930465	32.40045185009486
733	385	284893	11158.85867307335	1045837.3170250766	36.746569287363396	-100.4007814	379986.6480618913	4005067.63425661	2684.297847328833	2571.36772357695	2537.547437832607	2538.92725994124	32.40045185009486	32.40045185009486
734	385	284894	11238.85867307335	1045837.3170250766	36.7465615625036	-100.3984359	38017.5947651515	4005063.637332394	2669.591030898487	2569.470118246605	2536.660565888934	2538.05225994124	32.80967465770739	31.741792533405487
735	284895	113496.85867307335	1045837.3170250766	36.746559379243032	-100.3969895	380585.54087171825	4005059.648974354	4005059.648974354	2652.5270450989087	2567.5211538639212	2536.370176134215	2537.9181676966968	38.4623684265668	37.6389043737341
736	284896	114158.85867307335	1045837.3170250766	36.74654577071163	-100.393745	380589.4897571184	4005055.64465133	4005055.64465133	2655.05287173463	2565.547248042653	2533.1078177062237	2537.7649842590035	37.6389043737341	37.6389043737341
737	284897	114818.85867307335	1045837.3170250766	36.7465381166558	-100.3913995	380790.4325806992	4005051.64465133	4005051.64465133	2648.63038959177	2563.72254367047	2534.838936210255	2537.415489	28.8380740940243	26.30705413828028
738	284898	115478.85867307335	1045837.3170250766	36.7465302100518	-100.389054	380991.3792828555	4005047.6527115125	4005047.6527115125	2641.2332061823727	2561.7905343004034	2533.8484272202654	2537.94211680013802	24.71247166037164	23.71247166037164
739	284899	116138.85867307335	1045837.3170250766	36.7465226	-100.3867085	381192.32389480	4005043.650922126	4005043.650922126	2635.4992025568126	2559.8511699078256	2533.0964362712624	2536.9942720323464	26.754562263565198	22.85689875481198
740	284900	116788.85867307335	1045837.3170250766	36.746514262141304	-100.384363	381393.269739606	4005036.61712256	4005036.61712256	2631.4610280812376	2557.9050607746739	2534.3989957195517	2536.6103790783836	23.506011055127216	21.294627696335283
1	386	284901	17094.1413	1046497.3170250766	36.741819921771	-102.1176549	328524.28951404848	400378.32428596	3763.120294030305	3697.6389890518314	3488.57362554407	3483.8991899528474	73.737271	73.737271
2	386	284902	370281.1413	1046497.3170250766	36.741903396422105	-102.1153098	323055.3645691007	4003754.15275751	3758.4477688984423	3555.803265409377	3488.238381823376	3483.669784020625	72.1340411208545	72.1340411208545
3	386	284903	369621.1413	1046497.3170250766	36.74193075939384	-102.1129647	323256.4455533713	400374.981471372	3754.566239092972	3563.973053992618	3481.3640435991698	3485.06367643736	72.6909102	68.3995895
4	386	284904	369861.1413	1046497.3170250766	36.741956149073594	-102.1106195	323457.53275653343	400374.81042616	3751.4757560137996	3562.1445980020326	3488.43617	3492.71613955225	72.6909102	68.3995895
5	386	284905	368301.1413	1046497.3170250766	36.74198145744468	-102.1082744	323658.6157375046	4003741.69623244	3748.3825739246254	3560.719223197367	3491.708874234007	3495.518937891293	68.690480572968	64.8304425306741
6	386	284906	367641.1413	1046497.3170250766	36.741952405751262	-102.1059293	323859.6989310605	400373.439601235	3745.29478955451	3558.4915047301947	3490.591623528617	3494.68012389744	67.8997838	63.81123444540895
7	386	284907	366981.1413	1046497.3170250766	36.742031938272786	-102.103841	324060.781626054	400373.296740627	3741.496880443384	3556.66561736717	3489.991710048718	3493.93268	66.639717268343	62.732937676599
8	386	284908	366251.1413	1046497.3170250766	36.742051710377206	-102.101329	324214.8645114636	400373.28861368	3736.591470414664	3554.6395406100596	3489.077240760276	3485.945798371027	64.79163458197	61.3816572365244
9	386	284909	365681.1413	1046497.3170250766	36.742047788671	-102.099428	324462.943425357	400373.24498281362	3734.649817294458	3552.20913214593	3488.17831239582	3494.7387891753	62.732937676599	62.732937676599
10	386	284910	365001.1413	1046497.3170250766	36.7421073197515104	-102.096587	324664.02907844214	400373.297826906	3727.980372156034	3551.18263124914	3489.9623501529786	3483.26552509925	61.22021297133525	57.021903264916
11	386	284911	364241.1413	1046497.3170250766	36.74213236	-102.0942036	324865.1109578114	400373.618971933	3721.314521905585	3549.3512877850035	3489.172168315992	3492.3300846891776	61.0179146091131	57.0212913825874
12	386	284912	363681.1413	1046497.3170250766	36.7421574575061	-102.0918584	325066.1925746057	400373.0214507812	3712.487155020906	3547.51726607912	3485.3005027188756	3488.386625439291	59.130111686217	57.0212913825874
13	386	284913	363021.1413	1046497.3170250766	36.74218223949492	-102.0895133	325267.2739295207	400373.281885261	3705.698781372756	3545.6818208917175	3486.0549374385223	3488.411967399823	56.628834519205	57.2698519324291
14	386	284914	362361.1413	1046497.3170250766	36.74220719413668	-102.0871681	325468.35502128478	400374.0113	3694.8324212556115	3543.8345603599614	3489.848409341155	3490.255694564329	53.9950910168459	53.58796603632266
15	386	284915	361701.1413	1046497.3170250766	36.742229449872804	-102.084828	325689.4355168553	400373.72289018	3688.181467529458	3542.203844794948	3488.750870914394	3488.135082655798	53.58796603632266	53.58796603632266
16	386	284916	361041.1413	1046497.3170250766	36.742245346334	-102.0824778	325795.51642013569	400369.77615501	3675.197171720003	3540.16347974668	3486.8941650041213	3487.2407596113	52.968313353398	52.968313353398
17	386	284917	360381.1413	1046497.3170250766	36.74228162423599	-102.0801327	326071.5967214217	4003691.609	3679.23256657415	3538.32460803885	3485.984638	3486.26993874807	52.597698534882	52.597698534882
18	386	284918	359721.1413	1046497.3170250766	36.742306336198	-102.0777875	326272.6778127813	400369.441142171	3674.78506194829	3536.400216664101	3484.783151	3485.76068239189047	51.7070656849076	51.4219472519625
19	386	284919	359061.1413	1046497.3170250766	36.742331077187418	-102.0754424	326473.76555732	400368.273714739	3675.253739569545	3534.660661575992	3484.5152894163824	3482.51786262059	50.50532719569058	50.3429789556470
20	386	284920	358401.1413	1046497.3170250766	36.74235564660249	-102.0730972	326674.8300896968	400369.1063391	3680.73055392114	3532.8358749911026	3482.3224007363992	3482.51786262059	50.50532719569058	50.3429789556470
21	386	284921	357741.1413	1046497.3170250766	36.7423802301291	-102.070752	326875.9153438662	400367.435991796	3686.209172526287	3531.01580322268	3480.98788171448	3481.1792014871	50.0732135122014	49.6302731722022
22	386	284922	357081.1413	1046497.3170250766	36.74239716429584	-102.068428	326949.4936129557	400367.72289018	3689.181467529458	3529.20913214593	3479.7387891753	3488.17831239582	50.0732135122014	49.6302731722022
23	386	284923	356421.1413	1046497.3170250766	36.74242051233866	-102.0660517	327187.0730883368	400366.8403211	3689.7756336856	3527.391378926934	3478.441332	3478.4804824343226	49.6302731722022	49.6302731722022
24	386	284924	355761.1413	1046497.3170250766	36.74245371	-102.0637166	327478.1515073528	4003662.40212797	3679.49599795888	3525.58965276221	3478.33505336825	3478.273113197973	47.25479657939054	47.25479657939054
25	386	284925	355101.1413	1046497.3170250766	36.7424781113464	-102.0613714	327680.229242308	4003662.47235625	3721.22436591231	3523.7950275929106	3477.84254142922	3477.775389	45.7088248988544	45.7088248988544
26	386	284926	354441.1413	1046497.3170250766	36.742502486128826	-102.0590262	327881.3077548355	400365.14849687	3731.94873202635	3522.0073272241916	3478.09614763927	3478.691970267404	43.917195056641	43.917195056641
27	386	284927	353781.1413	1046497.3170250766	36.742526719878846	-102.0566811	328082.3854772703	400364.9493	3736.63582871678	3520.226902182146	3476.645979571683	3476.937107943097	41.579969104749	41.579969104749
28	386	284928	353121.1413	1046497.3170250766	36.7425510624061	-102.054339	328283.46209143713	400364.77781591	3735.00064044241	3518.453691	3476.249141335161	3476.324409018324	39.2048669597914	39.12951132240778
29	386	284929	352461.1413	1046497.3170250766	36.7425761946424	-102.0520375	328484.54087171825	400364.77781591	3734.734214455267	3516.973421455267	3476.249141335161	3476.324409018324	39.2048669597914	39.12951132240778
30	386	284930	351801.1413	1046497.3170250766	36.74260034903324	-102.049455	328693.81701778472	400363.447761505	3733.9239					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
113	386	285013	-297021.1413	1064697.310250766	39.4444809723917	-101.8549809	555374.1201	4032392.612101913	3339.0582579396314	3339.0582579396314	3324.546288	3324.357793041804	41.511989671631454	14.700524898451022
114	386	285014	-296361.361	1064697.310250766	39.44448687623959	-101.8526456	555975.1760011982	4032388.4675664458	3338.004081480696	3339.04481480696	3324.1324435190027	3323.5308781867776	15.000379613613445	16.5010323939184
115	386	285015	-295701.1413	1064697.310250766	39.44448687623959	-101.8503003	555776.2316781588	4032384.332715168	3338.004081480696	3339.04481480696	3324.1324435190027	3323.5308781867776	15.000379613613445	16.5010323939184
116	386	285016	-295041.1413	1064697.310250766	39.44450907142879	-101.847955	555977.281172948	4032370.901271929	3342.7093067632693	3342.7093067632693	3339.665858926694	3339.665858926694	20.340719813001848	23.3487717283007
117	386	285017	-294381.1413	1064697.310250766	39.44452931	-101.8456097	556178.24123568	4032367.035	3345.161463178961	3341.87725735569	3338.054875236298	3337.780645388643	23.822823138271213	24.0960803691486
118	386	285018	-293721.1413	1064697.310250766	39.444544441834	-101.8432644	556379.3973675125	4032371.89182385	3341.612592445987	3340.493206791033	3337.2082085760467	3336.19415700448064	23.5515003641293	24.0960803691486
119	386	285019	-293061.1413	1064697.310250766	39.4445693795602	-101.8409191	556580.4582280452	4032367.74849501	3348.616745387993	3339.161463178961	3337.870318	3337.870318	21.2914520884131	24.0960803691486
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122	386	285022	-291081.1413	1064697.310250766	39.4469238	-101.8338362	557183.1478102293	4032355.319941337	3354.283737526497	3335.600911065677	3335.4105073084525	3335.4105073084525	9.72148672251215	10.54903772251215
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124	386	285024	-289761.1413	1064697.310250766	39.4466967590313	-101.8291926	557885.722057394	4032347.03441024	3367.969598	3337.715394470173	3335.6822542654544	3335.12995	0	0
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133	386	285033	-283821.1413	1064697.310250766	39.44888775864	-101.8080848	559356.1929590778	403206.767904278	3398.260682387395	3332.22156826864	3303.8394865061125	3303.59935577767	28.38312177173964	28.622246885519197
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136	386	285036	-281841.1413	1064697.310250766	39.4490514551082	-101.801088	559986.3456049083	403197.34806369	3415.35211576588	3334.21545648875	3306.849520851485	3307.4139702605073	27.464872561739008	26.9005276038522
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146	386	285046	-275241.1413	1064697.310250766	39.450063621309	-101.7779595	562008.8342945603	403155.9649021	3459.02026085707	3344.825115282944	3300.88095	3300.8866426426956	43.98413033824526	43.98413033824526
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEVlogKrg.ft	BREIEVlogKrg.ft	SatThkLogKrg.ft	SatThkLogKrg.ft
238	285	285139	-213861.1413	10464937.3170250766	39.46665791647794	-101.559474	280705.33325150795	4407272.292834207	3477.818950526212	3257.880556793276	3169.7035234164	3160.3323086849605	31.78323155910976	97.54828410831315
240	286	285140	-213201.1413	10464937.3170250766	39.46667257261173	-101.557128	280906.3603904082	4407286.178553362	3487.732305470174	3256.818005825795	3168.441484108515	3154.54739962576	31.78655671172794	97.54828410831315
241	286	285141	-212541.1413	10464937.3170250766	39.46667186826341	-101.557436	281107.5444758816	4407284.654613864	3478.746690445331	3255.742091096917	3167.228621388574	3148.778971785503	31.78655671172794	97.54828410831315
242	286	285142	-211881.1413	10464937.3170250766	39.4670175860273	-101.5524831	281308.4140335801	440759.590711962	3487.759015413903	3256.818005825795	3168.441484108515	3147.817162	31.78655671172794	97.54828410831315
243	286	285143	-211221.1413	10464937.3170250766	39.4671628362974	-101.5500926	281509.44053083815	440738.8357150461	3486.859055263270	3253.545130187404	3164.925719288453	3137.973284683768	31.78655671172794	97.54828410831315
244	286	285144	-210561.1413	10464937.3170250766	39.46730673344374	-101.5477472	281710.4668135128	440751.724	3485.0471309116538	3252.4203403813623	3164.235433644153	3144.798411240268	31.78655671172794	97.54828410831315
245	286	285145	-209901.1413	10464937.3170250766	39.4674519775378	-101.5454017	281911.49298166385	440747.61704238	3483.23456258439	3251.275466753833	3162.5881723236356	3150.012369788677	31.78655671172794	97.54828410831315
246	286	285146	-209241.1413	10464937.3170250766	39.4675996684356	-101.5430653	282112.518356409	440743.49701545	3481.423815982976	3250.1090959431823	3161.881495592577	3152.9017123942616	31.78655671172794	97.54828410831315
247	286	285147	-208581.1413	10464937.3170250766	39.4677498	-101.5407108	282313.5444758816	4407238.395284398	3479.862036129974	3248.921506817483	3160.694013626187	3154.768381	31.78655671172794	97.54828410831315
248	286	285148	-207921.1413	10464937.3170250766	39.4678822905878	-101.5383654	282514.5900168936	440756.27234916	3478.90282958519	3247.509432768567	3159.48167121225475	3155.723300382581	31.78655671172794	97.54828410831315
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258	286	285158	-201321.1413	10464937.3170250766	39.4692872154193	-101.5149109	284524.8124474628	440694.16247428	3477.8753321709565	3234.602165206003	3142.9533969136814	3141.9590473042424	31.78655671172794	97.54828410831315
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270	286	285170	-193401.1413	10464937.3170250766	39.470913120004	-101.4867654	286937.075945485	440644.862	3450.315601369915	3212.63498864794	3118.594584305667	3118.594584305667	31.78655671172794	97.54828410831315
271	286	285171	-192741.1413	10464937.3170250766	39.4710458470737	-101.4844199	287138.0961594816	440640.754679386	3448.330135188288	3210.746035361614	3116.961079468584	3116.961079468584	31.78655671172794	97.54828410831315
272	286	285172	-192081.1413	10464937.3170250766	39.471178	-101.4820745	287339.1156152523	440636.364803671	3446.2511605199898	3208.8498498380704	3115.181791252963	3115.181791252963	31.78655671172794	97.54828410831315
273	286	285173	-191421.1413	10464937.3170250766	39.47130964015	-101.479729	287540.136662507	440632.541687298	3442.193207521148	3206.9529194556944	3113.372176997467	3113.372176997467	31.78655671172794	97.54828410831315
274	286	285174	-190761.1413	10464937.3170250766	39.47144042025	-101.477338	287741.156919134	440628.435407	3440.123454523074	3205.564011535084	3111.441215165433	3111.441215165433	31.78655671172794	97.54828410831315
275	286	285175	-190101.1413	10464937.3170250766	39.47157159420254	-101.4750811	287942.176325974	440618.7325974	3438.22910455116	3203.169904707055	3110.863079305075	3110.863079305075	31.78655671172794	97.54828410831315
276	286	285176	-189441.1413	10464937.3170250766	39.4717019124754	-101.4726926	288143.1959	440610.21393791	3437.790617103001	3201.29007993469	3109.43009172682	3110.863079305075	31.78655671172794	97.54828410831315
277	286	285177	-188781.1413	10464937.3170250766	39.471831731595	-101.4703471	288344.2517002117	440606.16746305	3431.258343	3199.425157852923	3108.053824179627	3106.72780915437	31.78655671172794	97.54828410831315
278	286	285178	-188121.1413	10464937.3170250766	39.4719611259305	-101.4680016	288545.2343	440610.12334984	3428.76620920819	3197.566161240039	3106.586204950257	3105.19758461869	31.78655671172794	97.54828410831315
279	286	285179	-187461.1413	10464937.3170250766	39.472090035854	-101.4656562	288740.3231768864	440607.90845456	3425.8698	3195.7256789656	3104.78561479174	3103.99494181857	31.78655671172794	97.54828410831315
280	286	285180	-186801.1413	10464937.3170250766	39.4722185408969	-101.4633107	288947.211693762	440603.803753341	3422.687075728222	3193.301350743712	3103.541359650254	3103.541359650254	31.78655671172794	97.54828410831315
281	286	285181	-186141.1413	10464937.3170250766	39.472350519386	-101.461044	289154.2903780745	440599.37756946	3420.82194590847	3191.576238373984	3102.34581590847	3102.34581590847	31.78655671172794	97.54828410831315
282	286	285182	-185481.1413	10464937.3170250766	39.4724815747284	-101.4589197	289349.308335023	440595.95069072	3418.323267106267	3190.0550514534	3101.27088357333	3099.2		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHBoth.ft
356	385	285265	-137071.1413	10646937.310250766	37.48148350530904	-101.2639427	306033.1253935014	4022255.778057092	3159.800387487215	3064.3145215226245	3017.753130119307	3010.9150175844824	45.56139140331743
356	386	285266	-130041.1413	10646937.310250766	37.48157130195227	-101.2619377	306234.1270365527	4022251.693308383	3163.2146197179303	3062.234149	3015.98945457937	3016.8402572173173	46.39389712429278
356	387	285267	-123081.1413	10646937.310250766	37.48166330359483	-101.259517	306435.1248933191	4022257.6769994932	3168.187600116417	3060.038423690013	3014.161219819413	3014.8622303194852	45.8181514948305
356	388	285268	-128721.1413	10646937.310250766	37.48175058694906	-101.2569061	306576.1293504534	4022251.655263638	3177.71017607212	3017.2201962871795	3017.4232908011713	45.70140739625764	44.9716848182596
356	389	285269	-128601.1413	10646937.310250766	37.4818368432521	-101.2545606	306837.13063089434	402229.443	3186.242075232873	3065.6855082403044	3016.126008437136	3017.084912654873	45.523498903168306
356	390	285270	-127401.1413	10646937.310250766	37.4819266448582	-101.2522151	307038.1317131809004	4022251.359699753	3194.7619129635733	3053.3935796385473	3007.98570673436	3007.448912644918	45.40718865111494
371	386	28271	-126741.1413	10646937.310250766	37.482013933115	-101.2498965	307239.134168381	4022231.277	3192.80849822818	3051.0460382340652	3005.68858500139	3006.74027056545	45.35748013892633
372	386	28272	-126081.1413	10646937.310250766	37.4821005886125	-101.247924	307440.1329234422	402227.194027057	3198.016152563173	3048.634915273178	3003.26396869059	3003.74651556666	45.37946582616715
373	386	28273	-125421.1413	10646937.310250766	37.48219630359483	-101.2457795	307681.1332498145	4022231.11548562	3197.414101847534	3046.1879584953257	3000.701750249391	3000.84610344713	45.858944665923636
374	386	28274	-124761.1413	10646937.310250766	37.4822728197366	-101.242832	307942.133484371	4022251.03206556	3154.766717589923	3043.681277747023	2997.7991849647042	2997.7991849647042	45.8209305228265
375	386	28275	-124101.1413	10646937.310250766	37.4823582556406	-101.2404874	308043.1334313921	4022251.493035361	3154.641354913632	3041.1280445695829	2994.940858818296	2994.940858818296	45.617473013014265
376	386	28276	-123441.1413	10646937.310250766	37.4824423382964	-101.2381418	308244.1331909937	402220.86552453	3167.038133008753	3038.532183018586	2991.7431527362974	2991.7431527362974	46.78903021228842
377	386	28277	-122781.1413	10646937.310250766	37.482522776851	-101.2357963	308445.1327633844	402206.784018314	3175.434911107387	3035.8987516169504	2988.348539025822	2988.44712442495	45.55021259122846
378	386	28278	-122121.1413	10646937.310250766	37.4826118442472	-101.2334508	308646.13214877207	402202.70732671	3191.8316891939944	3033.232639190772	2984.9163704341765	2984.9163704341765	45.5312316043119
379	386	28279	-121461.1413	10646937.310250766	37.48269954674758	-101.2311052	308847.133471367125	402201.6611685474	3197.896813098994	3030.588417374097	2981.37918331042	2979.584717119897	48.16049380636755
380	386	28280	-120801.1413	10646937.310250766	37.48277863755035	-101.2287597	309048.1303053595	402194.540876941	3197.5402620261084	3027.822323600984	2977.7449119147403	2975.768518863164	50.0776047135811
381	386	28281	-120141.1413	10646937.310250766	37.4828613544707	-101.226414	309249.12948719133	402194.0346037624	3197.2137523131433	3025.007400918727	2974.225198008067	2972.2484734909667	50.86554203809394
382	386	28282	-119481.1413	10646937.310250766	37.4829348182373	-101.2240698	309450.127824405	402196.379957118	3196.8782171997664	3027.3471278600407	2971.025436035616	2969.2837678906776	51.03634705326511
383	386	28283	-118821.1413	10646937.310250766	37.4830254288483	-101.2217231	309651.1262778661	402196.29882008	3193.8487845486667	3019.5954858369203	2967.974840025703	2968.295733	50.6206189123498
384	386	28284	-118161.1413	10646937.310250766	37.4831067863095	-101.2193775	309852.1245556115	402178.722	3188.09644046035	3016.8309832853	2966.61877625287	2966.613462338642	50.2760193705683
385	386	28285	-117501.1413	10646937.310250766	37.4831876960959	-101.217032	310053.122627694	402174.1041256	3182.348096372004	3014.08104291651	2966.906558664	2966.904818027308	47.2764830706769
385	386	28286	-116841.1413	10646937.310250766	37.483268	-101.2148864	310254.125244775	402176.01033594	3176.5971572285372	3011.3230437161487	2969.0922519593482	42.1537182272956	42.23079176
385	387	28287	-116201.1413	10646937.310250766	37.48334937891513	-101.2126517	310569.10082397404	402173.281821123	3172.020798960355	3007.732192685574	2972.082192685574	2972.082192685574	45.9603142546784
385	388	28288	-115521.1413	10646937.310250766	37.483427584582	-101.2095953	310656.1158	402161.902396364	3185.754049794828	3005.814311186973	2977.547125338725	22.686471983716274	28.26596953100573
388	386	28289	-114861.1413	10646937.310250766	37.4835007672272	-101.2076498	310857.113104763	402157.824331382	3179.775029	3003.070294278613	2980.837239	2981.720221025891275	21.250719718406194
390	386	28290	-114201.1413	10646937.310250766	37.4835854147996	-101.2053402	311058.11026219255	402153.745057338	3170.7960019512957	3000.336267061296	2983.373307259545	2984.68648273935	19.6629690715805
391	386	28291	-113541.1413	10646937.310250766	37.4836636001714	-101.2029587	311259.1072353006	402149.6677128	3020.5247610160575	2997.6130328873464	2984.64664703228	2984.64664703228	10.945574033482914
392	386	28292	-11281.1413	10646937.310250766	37.48374133238774	-101.2006311	311460.1042429214	402145.58971543	3195.961284980714	2994.902398233638	2984.90373827246	2987.782984085836	9.997024408117795
393	386	28293	-112221.1413	10646937.310250766	37.48383813314477	-101.1982678	311681.10082397404	402143.15365677	3192.020981936355	2994.5632634661	2987.911734388365	2987.911734388365	14.59196721310432
393	386	28294	-111561.1413	10646937.310250766	37.4839522	-101.195922	311862.097507528	402137.43438179419	3182.8343530394877	2993.4824593394877	2983.4824593394877	2983.4824593394877	2.078182043363522
395	386	28295	-110901.1413	10646937.310250766	37.4839378	-101.1935765	312063.9033	402133.35746661	3175.107147723033	2986.8612068197717	2981.7526926371384	2986.7029928928037	1.508514182573444
396	386	28296	-110241.1413	10646937.310250766	37.48404772969174	-101.1912309	312264.0893432243	402129.280371296	3178.349933	2984.215387440475	2979.84872157062	2984.192410928241	0.1861670107221
397	386	28297	-109581.1413	10646937.310250766	37.484112319612704	-101.1888854	312465.0852147316	402125.203631515	3177.548157644554	2981.5884137544394	2977.299283	2982.7682258057136	4.289131154879669
398	386	28298	-108921.1413	10646937.310250766	37.4841982049576	-101.1865398	312666.080	402121.127099711	3176.746382730532	2979.820593295944	2974.406023974068	2974.406023974068	0.2170921915871986
399	386	28299	-108261.1413	10646937.310250766	37.4842727695275	-101.1841943	312867.0746059154	402117.05082472	3172.4311252736628	2976.399197850538	2971.3654411963507	2971.3654411963507	0.1974848693687612
400	386	28300	-107621.1413	10646937.310250766	37.48434269749026	-101.1814877	313059.071323095	402118.127478156	3172.843145176768	2976.895783211827	2969.892671517309	2969.892671517309	0.033040142546784
401	386	28301	-106941.1413	10646937.310250766	37.48442033030054	-101.1795932	313269.0664073075	402108.8898069	3175.773845338624	2971.31370726642737	2963.508832694037	2963.508832694037	7.08405839487763
402	386	28302	-106281.1413	10646937.310250766	37.4844937309513	-101.1771576	313470.0168332159	402104.83416885	3184.944905319798	2981.6817825443624	2959.84898394936	2959.84898394936	0.986294142036372
403	386	28303	-105621.1413	10646937.310250766	37.4845664784448	-101.1748121	313671.0566105475	402100.748092036	3186.339633709423	2955.394664232452	2954.734356742452	2954.734356742452	11.58238616164087
404	386	28304	-104961.1413	10646937.310250766	37.48463837277807	-101.1724665	313872.0512	402096.675085114	3185.12512409	2963.9008247288266	2955.0236234673084	2955.0236234673084	10.877201261518167
405	386	28305	-104301.1413	10646937.310250766	37.4847016139591	-101.170121	314073.05462049656	402092.930953171	3180.5914723273841	2961.4980445347372	2948.543335251748	2948.543335251748	0.3389110771351534
406	386	28306	-103641.1413	10646937.310250766	37.4847802019797	-101.1677784	314274.039653407	402088.52374416	3186.408523654063	2959.134161527216	2944.542204311134	2942.053060116626	14.59196721310432
407	386	28307	-102981.1413	10646937.310250766	37.4848612382427	-101.1650478	314484.039653407	402084.182382427	3184.944905319798	2958.161823974068	2942.053060116626	2942.053060116626	14.59196721310432
408	386	28308	-102321.1413	10646937.310250766	37.4849234	-101.1630483	314676.077777237	402075.93504251	3184.944905319798	2957.1028242351	2941.781500773416	2941.781500773416	20.07702405
409	386	28309	-101661.1413	10646937.310250766	37.48499347109344	-101.1607388	314877.0214673057	402076.301147507	3056.8731025665	2952.307125511738	2928.936027877958	2926.300210663738	23.3716847321544
410	386	28310	-101001.1413	10646937.310250766	37.4850063024815	-101.1583932	315078.014774857	402072.22497607	3030.23512650175612	2950.135512650175612	2923.4874628571033	2923.4874628571033	26.0075019837451
411	386	28311	-100341.1413	10646937.310250766	37.4851231447115	-101.1560476	315279.083074891	402068.154	3020.60486778926	2948.01908411285	2915.645759252304	2915.645759252304	30.37248916182807
412	386	28312	-99681.1413	10646937.310250766	37.48520081376246	-101.1537021	315480.014574623	402064.08092087	3029.9727085777572				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgs.f	BR ElevKgs.f	SurfBothKgs.f	SurfBothKgs.f
493	385	285391	-47541.14133	1046497.3170250766	39.74891936794353	-100.9684019	331737.90933513583	40471743.051840486	3089.98858654676203	2928.432416920799	2899.66878040397584	2870.170999478965	22.76336481404052	22.261471422133734
494	386	285392	-46881.14133	1046497.3170250766	39.748922609546305	-100.9660653	331588.5887541535	40471738.96739634	3087.4190503750564	29141.435691742345	2867.8445644290313	2868.2174345812943	23.595145199732997	23.2258450440487
495	388	285393	-46221.14133	1046497.3170250766	39.74892585953244	-100.9637107	331759.8680498954	40471740.943784978	3084.849346689106	2890.849192075562	2865.90192075562	2871.716534072412	24.560380738272205	24.560380738272205
496	384	285394	-45561.14133	1046497.3170250766	39.7489265680193	-100.9613651	331960.8470253026	40471739.001115386	3086.529578228669	2884.0399537106536	2864.0399537106536	2863.9595370420384	25.484294218015293	25.484294218015293
496	385	285395	-44901.14133	1046497.3170250766	39.7489302645474	-100.9590196	332161.82603321443	40471726.837	3081.55174237931	2888.6031753455463	2864.406131	2864.384701861017	24.197043907096486	24.218473484529113
496	386	285396	-44241.14133	1046497.3170250766	39.748930512279091	-100.956674	332362.8047994344	40471723.78434373	3087.706857340037	2885.418791049886	2865.68675441588	22.8827828915125	22.8827828915125	22.8827828915125
497	386	285397	-43581.14133	1046497.3170250766	39.74893813781038	-100.9542384	332563.7834040888	40471717.730527335	3083.5988757051387	2886.635301865217	2865.720787	2866.1947738711505	21.114562928811665	20.6406113153719
498	386	285398	-42921.14133	1046497.3170250766	39.748941107513154	-100.951828	332764.761844882	40471716.77803332	3084.66412638743	2886.985905663084	2864.87026009101	2865.53094788971	21.118437955207355	20.44993853331497
499	386	285399	-42261.14133	1046497.3170250766	39.74894402188926	-100.9496372	332965.74012684025	40471710.82518959	3083.551402738745	2886.167402938745	2863.9236759615326	2864.073427915189	21.2327687919189	20.48485520016883
500	386	285400	-41601.14133	1046497.3170250766	39.7489469105686	-100.9472210	333166.7124535161	40471703.3707373	3081.7243891203762	2882.764566156376	2863.48539205144	21.6046283402759	20.92080183501903	20.92080183501903
501	386	285401	-40941.14133	1046497.3170250766	39.748949744721365	-100.9449461	333367.6962	40471702.52106505	3078.63228	2883.5914230437797	2861.446843955578	2862.1636803970114	21.8442590820168	21.427742768768365
502	386	285402	-40281.14133	1046497.3170250766	39.74895253315875	-100.9426005	333568.674097572	40471698.489291975	3076.020667734842	2882.830207929307	2859.644525240504	2860.9143231175387	21.18568295625673	21.9158481177041
503	386	285403	-39621.14133	1046497.3170250766	39.748955627678004	-100.9402549	333769.6517317977	40471694.47582243	3073.8880175523879	2882.080715523879	2858.117362538707	2859.4123976292111	22.6878976292111	22.6878976292111
504	386	285404	-38961.14133	1046497.3170250766	39.74895797408057	-100.9379093	333970.62302500373	40471690.36462076	3071.1497122909534	2880.55028499	2856.541607972103	2857.843912	24.7918470563991	23.48954267508097
505	386	285405	-38301.14133	1046497.3170250766	39.74896063	-100.9359537	334171.6065173985	40471686.31403383	3070.381727775973	2880.35844414228	2856.2289578683626	2856.2289578683626	24.7918470563991	23.48954267508097
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512	386	285412	-33681.14133	1046497.3170250766	39.7489775250961	-100.9191446	335578.4402781713	40471657.964641124	3034.193493647526	2874.608305623409	2844.552074618698	2844.78426526862	30.06623120471091	30.06623120471091
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523	386	285423	-26421.14133	1046497.3170250766	39.74900062214667	-100.8933431	337789.170878296	40471613.439645245	2993.412582260828	2863.412582260828	2833.420473278677	2833.420473278677	30.585857409531	30.585857409531
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529	386	285429	-22461.14133	1046497.3170250766	39.749010681197995	-100.8792696	338995.0143	40471589.61215045	2992.58167588958	2862.58167588958	2833.420473278677	2833.420473278677	30.585857409531	30.585857409531
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533	386	285433	-19821.14133	1046497.3170250766	39.7490163753961	-100.8698744	339798.97599187	40471573.9677161	2992.0716347834853	2862.0716347834853	2833.420473278677	2833.420473278677	30.585857409531	30.585857409531
534	386	285434	-19161.14133	1046497.3170250766	39.74901783596153	-100.8675417	339999.87599187	40471569.93107	2991.943763947976	2861.943763947976				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatHtElevLog.ft	SatHtBoth.ft
617	285517	35618.8586730335	1046497.3170250766	37.48947094	-106.728577	556680.09767120646	401234.094780315	2786.691734661984	26.30315284642893	2627.9930928474105	2627.2229135841294	8037625616878813	8.080614800159894
618	285518	35618.8586730335	1046497.3170250766	37.48949871719969	-106.6705121	556881.581399681	401220.037307069	2795.35268952858	26.34417537345052	2628.017597504198	2627.61581504198	6.399939640869545	6.950161583103536
619	285519	35618.8586730335	1046497.3170250766	37.4895696161676	-106.6681668	557082.0184712164	401226.0491635868	2798.672861561	26.32278751240862	2628.278751240862	2627.755787262864	5.363716098810258	5.363716098810258
620	285520	35618.8586730335	1046497.3170250766	37.4895933921807	-106.655209	557282.9786654678	401220.023536568	2799.646947366452	26.311500257341263	2629.327751963342	2628.5342682779486	1.82227347792005	2.6154986917977324
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622	285522	35618.8586730335	1046497.3170250766	37.48958145369535	-106.6611296	557684.8986434753	401218.0176611095	2799.640326367019	26.278292617642874	2629.39838108333	2628.7634728977946	0	0
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624	285524	35618.8586730335	1046497.3170250766	37.489550471	-106.6564386	558086.8187553525	401205.932493017	2788.4375571169662	26.24459118461305	2628.926341	2628.217254143864	0	0
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626	285526	35618.8586730335	1046497.3170250766	37.489470937182	-106.6517474	558488.7389333091	401197.88747919	2773.506965554493	26.21045035141922	2627.83519681519	2627.269274358951	0	0
627	285527	35618.8586730335	1046497.3170250766	37.4894421770565	-106.6494018	558689.6962035994	401183.86532387	2677.887515385619	26.1918320206800563	2627.1695292144677	2627.017071022443	0	0
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637	285537	35618.8586730335	1046497.3170250766	37.489129632486	-106.625946	560699.2812905315	401153.656980363	2671.3345767125108	26.024680555289	2626.7881794878	2621.9522543347666	0	0
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647	285547	35618.8586730335	1046497.3170250766	37.4887717788222	-106.6024892	562708.852037588	401113.4719176395	2627.90069288028	25.90490019	2593.669441712597	2594.1569041401067	0	0
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656	285556	35618.8586730335	1046497.3170250766	37.48841006147498	-105.8138	564517.4561855237	401077.325714466	2708.125887803338	25.82630632187184	2666.179502758895	2668.297357975362	0	0
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658	285558	35618.8586730335	1046497.3170250766	37.4883257950258	-105.769888	564919.3665880196	401069.25582223	2742.738454309954	25.79826164218895	2645.204570540521	2645.68852539711	0	0
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661	285561	35618.8586730335	1046497.3170250766	37.488194466165	-105.696521	565522.2312226297	401057.252759592	2749.94080808734	25.771508661906473	2623.334836623918	2623.450273130273	0	0
662	285562	35618.8586730335	1046497.3170250766	37.488150241508	-105.673065	565723.185842013	401053.239	2749.5351781855284	25.762403931332135	2620.60497292408	2620.1349811331073	0	0
663	285563	35618.8586730335	1046497.3170250766	37.488104858208	-105.649469	565924.104319301	401051.492252174	2744.347137343516	25.75391378026367	2617.278561771001	2617.0933406094863	0	0
664	285564	35618.8586730335	1046497.3170250766	37.4880594197265	-105.626154	566125.9047076224	401045.211813901	2734.431772534042	25.743496601105796	2613.91856481128	2613.91856481128	0	0
665	285565	35618.8586730335	1046497.3170250766	37.488015437768									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThKLog.ft	SatThBoth.ft
3	387	285643	-369621.1413	1047157.310250766	39.74374369729271	-102.1129875	232360.632280379	4003951.339435348	375.7297235239153	3653.8928353403056	3490.7291399088666	3495.11640193361	37.13699543435894
4	387	285644	-369691.1413	1047157.310250766	39.74376905162339	-102.1065523	233461.7169602707	4003947.188133322	3753.4222239530304	3652.0694246551134	3497.1742009499509	3492.147109138088	37.42945118605436
5	387	285645	-369701.1413	1047157.310250766	39.74379349364974	-102.1083071	233682.79899991234	4003942.937547275	3751.1347172699915	3650.2494281679135	3491.1074704320715	3485.04436869903	37.14056773487598
6	387	285646	-369741.1413	1047157.310250766	39.74381962437177	-102.1059619	233683.8828041583	4003938.826254997	3748.873214	3558.49202199295	3489.967584350298	3490.190847151	37.2540629629674
7	387	285647	-3696981.1413	1047157.310250766	39.743844824778936	-102.1036167	234064.96551671188	4003934.655677881	3745.629046014204	3556.610716604257	3489.364715637099	3493.44115647439	37.62540696715827
8	387	285648	-369632.1413	1047157.310250766	39.74387001590253	-102.1012715	234266.0479287043	4003930.485342427	3741.510196956024	3554.792078327398	3489.48281038958	3492.983072376334	37.61089719166335
9	387	285649	-369661.1413	1047157.310250766	39.74389514371123	-102.0989263	234467.13008798306	4003935.31248523	3737.38125779214	3552.973404595654	3490.214695875055	3492.7671655214025	37.6258744720599225
10	387	285650	-365001.1413	1047157.310250766	39.74390226215344	-102.0969811	234688.2119668178	4003922.145	3733.272508956785	3551.1533242695893	3489.441167232697	3492.846264737969	37.611326072599044
11	387	285651	-364041.1413	1047157.310250766	39.74394526341486	-102.0942369	234869.20359102634	4003917.975785033	3726.06283552095	3549.31385921657	3488.6523117297515	3481.908393259266	37.622465592411096
12	387	285652	-363681.1413	1047157.310250766	39.7439702530977	-102.0918907	235070.7495255057	4003913.80416035	3715.76233197788	3547.507472286093	3484.658347538029	3487.845781774025	37.62391243945825
13	387	285653	-363021.1413	1047157.310250766	39.7439950189997	-102.0895455	235271.45605192048	4003909.637288258	3705.461836891506	3545.46135693979	3485.492596774055	3487.91285462025	37.6188502625387
14	387	285654	-362361.1413	1047157.310250766	39.74400201318544	-102.0872003	235472.5368909296	4003905.484619948	3696.1613253659238	3545.830264217366	3489.513364583552	3489.893042419632	37.6139661836311
15	387	285655	-361701.1413	1047157.310250766	39.7440459916612	-102.0848551	235673.6176418767	4003901.299752474	3688.500390962635	3542.022167154339	3488.398695907774	3485.7480044345576	37.61269224656444
16	387	285656	-361041.1413	1047157.310250766	39.7440679984196	-102.0825099	235874.697776006	4003892.13133092	3685.476754954368	3540.189321711501	3486.47482084093	3486.804095601784	37.61450087008816
17	387	285657	-360381.1413	1047157.310250766	39.74409453521292	-102.0801467	236075.7762947606	4003887.963192324	3682.4572084966754	3538.598029180537	3485.52374196976	3485.975843636052	37.61450087008816
18	387	285658	-359721.1413	1047157.310250766	39.74411925527893	-102.0778199	236276.8576200228	4003880.79571969	3679.4330623847107	3536.330655654312	3486.48402803571	3486.4814711712097	37.61450087008816
19	387	285659	-359061.1413	1047157.310250766	39.744130903999	-102.0754743	236477.8371494407	4003882.67593167	3681.410515576038	3534.7087313169405	3483.0304211604957	3483.2847252923434	37.61567015640877
20	387	285660	-358401.1413	1047157.310250766	39.7441685949601	-102.073129	236679.01647194306	4003880.460155846	3688.38176906357	3532.891139	3481.861328102015	3481.861328102015	37.61567015640877
21	387	285661	-357741.1413	1047157.310250766	39.74419314364696	-102.0707838	236880.0954253732	4003876.293	3696.33020551273	3531.0789279975697	3480.166460970404	3480.28966449014	37.61567015640877
22	387	285662	-357081.1413	1047157.310250766	39.74421768249278	-102.0684386	237081.174130718	4003872.12600593	3702.342773238893	3529.21772942156	3478.59383418950674	3478.618099888115	37.61567015640877
23	387	285663	-356421.1413	1047157.310250766	39.74424217603343	-102.0660934	237282.25600070074	4003867.959296284	3710.68387136248	3527.9636686840044	3478.078549149563	3477.892599747344	37.61567015640877
24	387	285664	-355761.1413	1047157.310250766	39.74426962425887	-102.0637482	237483.3308695034	4003863.7921142	3702.471825843338	3525.674284	3476.062560152106	3476.062560152106	37.61567015640877
25	387	285665	-355041.1413	1047157.310250766	39.74429454250242	-102.061429	237689.398959742	4003859.45765521	3702.4548680166975	3513.32120581437	3474.983027429653	3474.983027429653	37.61567015640877
26	387	285666	-354441.1413	1047157.310250766	39.74431538423895	-102.0590577	237895.48656125067	4003855.49002435	3739.927702551214	3522.10585231609	3476.3367114041484	3476.30538	37.61567015640877
27	387	285667	-353781.1413	1047157.310250766	39.74433998714338	-102.0567125	238086.546091157	4003851.299	3738.923360931195	3520.332999837307	3477.1280915784302	3477.1280915784302	37.61567015640877
28	387	285668	-353121.1413	1047157.310250766	39.7443638615747	-102.0543672	238267.64179717373	4003847.12934492	3740.673079662453	3516.567397976596	3477.792603349578	3477.792603349578	37.61567015640877
29	387	285669	-352461.1413	1047157.310250766	39.74439818586606	-102.052022	238488.781272549	4003842.964080258	3737.916102868708	3516.81088495316	3478.224657	3478.224657	37.61567015640877
30	387	285670	-351801.1413	1047157.310250766	39.74441236225922	-102.0496768	238689.7948	4003838.79902638	3735.1819864706975	3515.062076595684	3478.306623371458	3478.409847074395	37.61567015640877
31	387	285671	-351141.1413	1047157.310250766	39.74443646379861	-102.0473715	238890.8713099448	4003834.534278783	3732.4548680166975	3513.32120581437	3478.983027429653	3478.983027429653	37.61567015640877
32	387	285672	-350481.1413	1047157.310250766	39.74446014250242	-102.0449483	239091.444605719	4003830.174487182	3729.73096959734	3511.5002948171	3477.4927	3477.4927	37.61567015640877
33	387	285673	-349821.1413	1047157.310250766	39.744484619657094	-102.0426411	239293.2335892746	4003826.305439332	3737.123905358068	3509.867745074637	3478.7872047130327	3478.7871757938199	37.61567015640877
34	387	285674	-349161.1413	1047157.310250766	39.74450801483773	-102.0402356	239494.098962792	4003822.14181876	3724.472147403606	3508.15412816428	3478.979047124364	3478.9786354410584	37.61567015640877
35	387	285675	-348501.1413	1047157.310250766	39.74453256471262	-102.0379506	239695.147358127	4003817.9775651	3722.1085241671517	3506.494251810921	3478.1423404086518	3478.1423404086518	37.61567015640877
36	387	285676	-347841.1413	1047157.310250766	39.74455646928173	-102.0356054	239896.24949773485	4003813.9310947	3720.04213673504	3504.752720618776	3474.1066129733045	3474.1066129733045	37.61567015640877
37	387	285677	-347181.1413	1047157.310250766	39.74458032854051	-102.0332601	240097.3426225255	4003809.5675662	3717.975747353537	3503.6637801052308	3474.99548586427	3474.99548586427	37.61567015640877
38	387	285678	-346521.1413	1047157.310250766	39.7446014250242	-102.0309447	240298.398959742	4003805.47754521	3715.9032120581437	3501.378120581437	3474.983027429653	3474.983027429653	37.61567015640877
39	387	285679	-345861.1413	1047157.310250766	39.74462791153534	-102.0285696	240499.4731990048	4003801.67441821	3713.914877934543	3499.6929737414316	3474.0359434619977	3474.0359434619977	37.61567015640877
40	387	285680	-345201.1413	1047157.310250766	39.744651634499455	-102.0262244	240700.5471444423	4003792.162105545	3713.3024526717	3498.004570348914	3468.329504881264	3468.329504881264	37.61567015640877
41	387	285681	-344541.1413	1047157.310250766	39.7446753125385	-102.0238791	240901.621250049	4003787.937494	3709.069731187992	3496.307081657185	3466.65470821107	3466.65470821107	37.61567015640877
42	387	285682	-343881.1413	1047157.310250766	39.74469845274225	-102.0215339	241102.6948310035	4003783.838	3720.747157712241	3494.595147420355	3464.864312429563	3464.864312429563	37.61567015640877
43	387	285683	-343221.1413	1047157.310250766	39.7447235269977	-102.0191886	241303.7815543245	4003778.6752331	3720.04213673504	3502.855132911	3463.081001600218	3463.081001600218	37.61567015640877
44	387	285684	-342561.1413	1047157.310250766	39.74474607482095	-102.016834	241504.8412239048	4003770.51408102	3712.462495144075	3491.074313289885	3461.45800230221	3461.45800230221	37.61567015640877
45	387	285685	-341901.1413	1047157.310250766	39.7447691743595	-102.014518	241705.9639895742	4003763.4190274511	3709.754877324543	3489.6929737414316	3474.0359434619977	3474.0359434619977	37.61567015640877
46	387	285686	-341241.1413	1047157.310250766	39.74479071153534	-102.0121658	241906.9853930063	4003772.191561819	3709.574127324543	3489.6929737414316	3474.0359434619977	3474.0359434619977	37.61567015640877
47	387	285687	-340581.1413	1047157.310250766	39.74481629347191	-102.0098076	242108.058963734	4003768.30596553	3702.42032993449	3485.348362819693	3465.8054748176833	3465.8054748176833	37.61567015640877
48	387	285688	-339921.1413	1047157.310250766	39.74483979024331	-102.0074623	242309.130042341	4003763.86991756	3691.63283425549	3483.463296371602	3455.478223	3455.478223	37.61567015640877
49	387	285689	-339261.1413	1047157.310250766	39.744863105833015	-102.0051171	242510.2073412397	4003759.794796265	3680.836373497604	3481.21332614617	3454.265322033236	3454.265322033236	37.61567015640877
50	387	285690	-338601.1413	1047157.310250766	39.74488761614626	-102.0027718	242711.2742711864	4003755.54923532	3670.039099				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.	BRElevBothKrg.	SatHtLogs.	SatHtBoth.
129	285	78569	-284641.1413	147157.3170250766	37.4685155651379	-101.1749185	585895.1386180685	40430427.6555130025	3383.5424714633523	3328.5000283	3336.180075946257	3336.5835995342865	0	0
130	287	78570	-285801.1413	147157.3170250766	37.46660120214435	-101.8151461	558796.19044708984	40430423.51493389	3382.5957892161528	3328.516343766316	3326.7189166861745	3326.79017	1.7867175914571137	1.7256136233114104
131	287	78571	-286181.1413	147157.3170250766	37.4666208246611	-101.8151461	558797.242	4043148.238914817	3384.8770205898238	3328.7043776898238	3318.61467138697106	3318.61467138697106	10.2833171913819614	10.2833171913819614
132	287	78572	-284481.1413	147157.3170250766	37.46660357476025	-101.8104554	559198.29331389304	4043121.0443573	3389.3211655695373	3329.059480187023	3312.7714035720387	3312.7714035720387	7.1608004680863432	6.815065387264122
133	287	78573	-283821.1413	147157.3170250766	37.4666986717709	-101.80811	559399.3460707887	404311.093	3393.76531059706	3329.572664046025	3308.5822247264973	3308.604263972751	29.968309323105218	20.96830076851392
134	287	78574	-283161.1413	147157.3170250766	37.4667931556822	-101.805746	559600.3953480476	404306.953322419	3398.203422606696	3307.334222606696	3307.364852458266	3307.486723617263	22.96830891869398	22.74456094532943
135	287	78575	-282501.1413	147157.3170250766	37.4668075609415	-101.8034192	559801.4602651274	404312.816062322	3402.38143777593	3331.0285197250646	3307.29511554282196	3307.6230082163706	23.733405154022494	23.40651150869392
136	287	78576	-281841.1413	147157.3170250766	37.4671812442063	-101.8101739	56002.4964307878	404336.61473130675	3412.31338595046	3331.043809071527	3307.110830965322	3307.433672954877	24.386079493403774	24.386079493403774
137	287	78577	-281181.1413	147157.3170250766	37.4673745289182	-101.7867785	56003.546892594	404339.534895738	3423.864027125572	3336.3849915964254	3306.963972995654	3306.963972995654	26.5698356164672	26.10003148269654
138	287	78578	-280521.1413	147157.3170250766	37.467573603352	-101.7663831	56044.59652919284	404339.3590141	3428.155863030422	3304.070168224827	3302.225564931232	3305.681311130344	28.84740259132535	28.79170523513957
139	287	78579	-279861.1413	147157.3170250766	37.4677597873945	-101.7940377	56005.64529277941	404336.251741691	3433.939514722504	3335.2548479218926	3304.25974854802785	3304.25974854802785	29.950938161418	30.73511258728867
140	287	78580	-279201.1413	147157.3170250766	37.46795166404816	-101.7916923	56006.695682708	404332.118634580	3437.585802099299	3336.493211481947	3303.239728520663	3303.433314341236	32.53482961284135	32.05986064212115
141	287	78581	-278541.1413	147157.3170250766	37.4681431362555	-101.7893469	561007.74990482884	404337.983602639	3441.2164560095978	3337.7709848584776	3302.552718	3302.552718	35.127826250317695	35.127826250317695
142	287	78582	-277881.1413	147157.3170250766	37.46833415536024	-101.7870015	561208.7398917658	404337.84233007	3444.8771710928264	3339.080967279145	3301.724841732679415	3301.781274	37.24841732679415	37.24841732679415
143	287	78583	-277221.1413	147157.3170250766	37.4685342136275	-101.7848562	561489.84203164	404339.740330817	3446.363054622204	3339.463054622204	3301.0295036750713	3301.0295036750713	39.3358471249075	39.32539107807843
144	287	78584	-276561.1413	147157.3170250766	37.4687146342623	-101.7823108	561610.891150574	404335.568897906	3447.69852	3341.62145204181	3300.560092540456	3300.514368934987	41.054076166135474	41.1087073266238
145	287	78585	-275901.1413	147157.3170250766	37.4689049405875	-101.7799564	561811.9394400694	404336.429677661	3448.3609237865054	3342.807119489516	3300.1965439108662	3300.1965439108662	42.61075657898539	42.70261885301613
146	287	78586	-275241.1413	147157.3170250766	37.4690394707516	-101.777762	562012.9874807145	404335.29277668	3449.0245948284564	3343.855823627465	3300.121992523294	3300.009034413545	43.73331110417084	43.6847881391913
147	287	78587	-274581.1413	147157.3170250766	37.4692824543480	-101.7752746	562214.03297458	404333.157788225	3447.61735274968	3344.69304354766	3299.96494598576	3299.890756653891	44.7081033688012	44.8022770084662
148	287	78588	-273921.1413	147157.3170250766	37.4694704545249	-101.7729292	562415.0828436643	404334.019	3447.22247707518	3345.247199	3299.44388346999	3299.491074401251	45.75612717979602	45.75612717979602
149	287	78589	-273261.1413	147157.3170250766	37.4696586022498	-101.7709838	562616.1302170155	404334.88292134	3440.807548870883	3345.489454546268	3298.9520350599782	3298.9834723173435	46.50578174528437	46.50578174528437
150	287	78590	-272601.1413	147157.3170250766	37.4698456094796	-101.7682834	562816.1773255793	404330.746734536	3447.8775567895	3345.40615246983	3298.07112932739	3298.187419343487	47.5794620960185	47.5794620960185
151	287	78591	-271941.1413	147157.3170250766	37.47021940374864	-101.7542407	563031.812485129	404322.862	3458.240760893206	3336.1517668132	3297.1931216975533	3297.1931216975533	55.014211835077096	55.014211835077096
152	287	78592	-271281.1413	147157.3170250766	37.47027194257127	-101.7635476	563219.2708414164	404332.475204104	3437.904670893606	3344.7954274046847	3295.510842573457	3295.702658069027	49.2845843	49.07456314837826
153	287	78593	-270621.1413	147157.3170250766	37.47040055	-101.7612022	563420.27129406224	404328.3934549915	3422.7225454136	3344.292034122435	3293.84988246888	3294.3163778252	50.42464316337551	50.16716624418305
154	287	78594	-269961.1413	147157.3170250766	37.470591425209	-101.7585858	563621.36342347425	404334.205	3417.540419963215	3343.718767272627	3292.1085171314135	3292.3397192	51.2505595846266	51.3809612299935
155	287	78595	-269301.1413	147157.3170250766	37.4707761126514	-101.7565114	563822.4093845892	404330.07	3410.86033755251	3343.09442223273	3290.5354010585693	3290.7645526051842	52.55980116875389	52.52982621238934
156	287	78596	-268641.1413	147157.3170250766	37.47096640691085	-101.754166	564023.4550734237	404331.935139801	3402.681386749545	3342.4297353168713	3289.339488576416	3289.56429561274	53.090246740129714	52.86543970465936
157	287	78597	-267981.1413	147157.3170250766	37.471219401833	-101.751826	564224.5068493758	404329.8180715698	3394.592797428583	3341.72191970884	3288.427971789642	3288.427971789642	53.103318309624218	53.103318309624218
158	287	78598	-267321.1413	147157.3170250766	37.47142134011635	-101.7494752	564435.5457291737	404322.6653204	3396.325457295232	3341.03037756322	3287.142057473356	3287.142057473356	53.17980151127125	53.17980151127125
159	287	78599	-266661.1413	147157.3170250766	37.4715151551654	-101.7471297	564626.590042594	404330.53288895	3397.212099736762	3340.2507846957	3286.746895015505	3286.96746232480	53.3038905202633	53.2903042727661
160	287	78600	-266001.1413	147157.3170250766	37.4716950184605	-101.7447843	564827.6358345276	404329.399	3397.1667615459906	3339.437696810838	3285.6917012525447	3285.6917012525447	53.6347078723239	53.6347078723239
161	287	78601	-265341.1413	147157.3170250766	37.4718747485556	-101.7424389	565028.680231036	404329.2644217705	3401.12124938225	3338.673883015738	3284.4342211753197	3284.4342211753197	54.237744004045876	54.139661300418084
162	287	78602	-264681.1413	147157.3170250766	37.47205938554146	-101.7400935	565229.724570815	404329.125	3417.07604420992	3337.852070670222	3283.036522238874	3283.13697497977	54.81241783433641	54.715093560245525
163	287	78603	-264021.1413	147157.3170250766	37.4722402889474	-101.7377481	565430.7685316835	404326.9958218462	3345.62835037574	3337.018037061528	3281.577461929553	3282.0114916012933	54.92520867837004	54.9988707008997
164	287	78604	-263361.1413	147157.3170250766	37.47242134011635	-101.7354027	565631.812485129	404322.862	3348.240760893206	3336.1517668132	3297.1931216975533	3297.1931216975533	55.014211835077096	55.014211835077096
165	287	78605	-262701.1413	147157.3170250766	37.4726023738314	-101.7330783	565832.8561705938	404327.73397862	3348.698212207746	3335.29097105338	3287.46754025274	3287.5968029814924	56.82332905128264	56.70140376070855
166	287	78606	-262041.1413	147157.3170250766	37.472768223839	-101.7307118	566033.8949911187	404327.6401716616	3345.157222	3334.4169752354373	3276.6114407700796	3276.6114407700796	57.80553446	57.80553446
167	287	78607	-261381.1413	147157.3170250766	37.4729623817554	-101.7283664	566234.924660488	404327.04696978	33463.01337362926	3333.75691481223	3274.752140727364	3275.701188398516	57.80553446	57.80553446
168	287	78608	-260721.1413	147157.3170250766	37.4731416121397	-101.726021	566435.985913047	404326.338	3469.26738547115	3332.69148348664	3272.590533672002	3272.628967979096	60.0921246	59.03801435968144
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172	287	78612	-258081.1413	147157.3170250766	37.4738540343069	-101.7166393	567240.1550132075	404349.81303379	3485.348047747706	3329.240540851055	3266.38041199026	3266.38041199026	63.100130679205	62.9190014051545
173	287	78613	-257421.1413	147157.3170250766	37.4740310070664	-101.7142839	567441.196797531	40						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev	W.Lt	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SAthBothKrg.ft	SatThBoth.ft
256	387	288989	-203031.1413	1047157.310250766	36.484700079822754	-101.5219653	283925.8625	40429097.792400638	3465.618200822153	3277.9091361577375	3149.4997205638188	348.40941559391877	4920292811439489
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260	387	288990	-200001.1413	1047157.310250766	36.48476930380184	-101.5102378	284830.9777015662	4042893.241561253	3470.3217613746107	3138.86566625224	3137.5159421036096	91.74250074383684	92.61267527
261	387	288991	-199341.1413	1047157.310250766	36.48478033523901	-101.5078922	285132.0010139073	4042883.121024425	3468.12969108599	3228.458818798466	3136.727786321098	90.74528019893701	91.97585884841892
262	387	289002	-198681.1413	1047157.310250766	36.48479668250453	-101.5055467	285333.0223	4042879.62287261	3465.07176294073	3226.740561728877	3134.621937936944	3133.334250227798	91.1862379
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264	387	289004	-197361.1413	1047157.310250766	36.484823344459	-101.5006557	285725.0608287935	4042879.805171886	3459.406027593197	3223.195261337949	3130.512570537018	3129.631755645208	93.56359588874102
265	387	289005	-196701.1413	1047157.310250766	36.48483740343476	-101.4989102	285936.087	4042866.96635666	3457.1385014012625	3221.374627037677	3128.51083352885	91.6276635254054	92.8625631778825
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267	387	289007	-195381.1413	1047157.310250766	36.4848634298979	-101.4938191	286383.301598309	4042858.400396114	3453.1716563741314	3215.614562073953	3124.81495055265	91.23269211462875	93.8218306110778
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270	387	289010	-193401.1413	1047157.310250766	36.48490436672527	-101.4867078	286941.19234951865	4042846.157170891	3450.539771930694	3211.967033244734	3119.242185	91.18160456640346	92.7155086906364
271	387	289011	-192741.1413	1047157.310250766	36.484918723338026	-101.484437	287142.212660985	4042842.50716347	3448.5330358704164	3210.433596789104	3117.58092828777783	91.14948021713216	93.0944303508122
272	387	289012	-192081.1413	1047157.310250766	36.4849303643827	-101.4820915	287343.232735812	4042840.94399538	3445.374343440405	3208.1261707889093	3115.7041299426805	91.113490122133654	93.2249595755293
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274	387	289014	-190761.1413	1047157.310250766	36.484957121294005	-101.4774005	287745.27234982	4042829.73079196	3439.126027884383	3204.29849489476	3112.7099285675154	91.1079608206544	92.50625683
275	387	289015	-190101.1413	1047157.310250766	36.48497019665033	-101.4750549	287946.298201218	4042815.624699946	3436.206498187899	3202.399548799561	3111.2406745672335	91.104231884723364	91.1545413913458
276	387	289016	-189441.1413	1047157.310250766	36.48498326622246	-101.4727294	288147.3110859301	4042821.519	3433.50140029462	3200.502447189568	3108.7202929618	91.1068499269618	91.8043231760217
277	387	289017	-188781.1413	1047157.310250766	36.48499618219784	-101.4698719	288349.155927019	4042814.02037802	3431.51443091977	3175.544242248677	3106.9829859824517	91.10835912851474	92.567511684401
278	387	289018	-188121.1413	1047157.310250766	36.49000915083279	-101.4680183	288549.3490043354	4042813.308000488	3428.096437020284	3196.759876578108	3106.866658893105	91.104210196671	89.8932076390014
279	387	289019	-187461.1413	1047157.310250766	36.4900220493138	-101.4656728	288750.3675071252	4042809.202860475	3425.226673715734	3194.9139765065142	3105.3413615088434	91.103002546968704	91.01377081732953
280	387	289020	-186801.1413	1047157.310250766	36.49004389371546	-101.4633273	288951.386097864	4042805.99791648	3422.190505366124	3193.087014003789	3103.777447743583	91.1003295678785	90.3095702294305
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290	387	289030	-180201.1413	1047157.310250766	36.491608925805	-101.4398719	290961.55927019	4042754.02037802	3405.11443091977	3175.544242248677	3090.90954826207	90.857977270427	91.05411460936
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292	387	289032	-178881.1413	1047157.310250766	36.49185544590674	-101.4351808	291363.5913705095	4042755.858	3401.260371991946	3172.0279654761	3086.768194546095	90.817071245626	90.9749209262626
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299	387	289040	-173601.1413	1047157.310250766	36.492823332059	-101.4164165	292971.711727892	4042723.051461122	3384.110495690546	3158.0146165594346	3081.4886205801045	90.7581193216634	82.5899364
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301	387	289042	-172281.1413	1047157.310250766	36.49306102353515	-101.4117254	293373.7398407074	4042714.80563232	3379.34181975747	3155.52399879424	3076.65010565031	90.702683834191	78.88218331439293
302	387	289043	-171621.1413	1047157.310250766	36.4931871791	-101.409379	293574.7536703651	4042712.62015148	3377.1713361676737	3154.33167636551	3072.634918394927	90.671878236763	81.686624764688
303	387	289044</											

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLgtsKrg.ft	BREIEvBothKrg.ft	SatHtBoth.ft	
381	387	286021	-120.141143	147157.3170250766	39.57009929191667	-101.226248	309523.2178469137	4402391.73495457185	3186.6218813856212	3702.736260467558	2970.433526	2969.5674422726413	53.302880106919115	54.16878224916645
382	387	286022	-119.841143	147157.3170250766	39.57010742850368	-101.224072	309454.21623367474	4402387.654349149	3186.282727604808	3200.9625447447283	2965.7016068562444	2945.1413489922808	55.83509755496449	55.83509755496449
383	387	286023	-119.821143	147157.3170250766	39.570115609778456	-101.221738	309655.2143449882	4402391.73495457185	3183.2976389190167	3018.2129440230026	2962.1810884945052	2961.6140421657134	56.04020578	56.6072534549825
384	387	286024	-118.61143	147157.3170250766	39.57012374573595	-101.219388	309656.21434	4402397.404124886	3177.6693148402702	3015.45523978894	2959.8937317666527	2961.4488096361147	55.5570132013568	54.0064372637375
385	387	286025	-117.601143	147157.3170250766	39.57013186375705	-101.2170424	310057.2102789915	4402375.414325636	3172.040770375884	3012.6876106697187	2969.831871513631	2960.1765671370825	52.85573916807566	52.15196353
386	387	286026	-116.841143	147157.3170250766	39.57013988169894	-101.2146968	310258.2079321294	4402373.43475057	3166.4122667173884	3009.4203540204262	2962.583125121544	2962.7950251278125	47.32371908030716	47.1252526204681
387	387	286027	-116.81143	147157.3170250766	39.5701487105495	-101.2123512	310459.25038212854	4402367.25543143	3168.645078142863	3007.1549976806355	2968.027868758935	2968.343659345738	39.1282389311287	38.8116714620034
388	387	286028	-115.521143	147157.3170250766	39.57015588369529	-101.2100056	310660.2026561943	4402363.1736599272	3178.739225509222	3004.395838828224	2974.542221	2975.275190125686	29.8536310491238	29.12019387023843
389	387	286029	-114.861143	147157.3170250766	39.570163374575864	-101.20706	310881.1997453527	4402359.998	3188.5315719155908	3001.641906549756	2979.8057520083626	2980.392521	12.336861603411812	15.76484078025556
390	387	286030	-114.201143	147157.3170250766	39.570176092484	-101.205314	311062.1967	4402355.11809262	3198.927518891939	3009.98382845113	2982.42505674233	2984.1743227101285	16.4743227101285	15.724369056701
391	387	286031	-113.541143	147157.3170250766	39.57017842856453	-101.2029868	311263.193780519	4402350.5041902	3200.4071797	2996.1767390567516	2983.2898343718866	2985.293712110586	12.8860486486493	10.9175276161943
392	387	286032	-112.881143	147157.3170250766	39.5701782196748	-101.2006232	311464.189097248	4402346.86241162	3193.27407707782	2993.43350578065	2983.268989871313	2986.7967020059	10.7630706751893	7.66667255409546
393	387	286033	-112.221143	147157.3170250766	39.57019483009364	-101.1982776	311665.18625974073	4402342.785	3186.13761777824	2990.765312	2982.8594839919015	2986.3507	1.7560624818586	4.41454539740021
394	387	286034	-111.561143	147157.3170250766	39.57020261288306	-101.195932	311866.1824825375	4402338.706871503	3178.002829585367	2988.039094585367	2981.909023775597	2985.8552734907194	6.174885683	2.228635967817354
395	387	286035	-110.901143	147157.3170250766	39.57021026035567	-101.1935863	312067.1784134806	4402334.629	3174.7002576912066	2986.542848280964	2980.532494083067	2985.265925155793	4.878869092925432	0.1578649685170848
396	387	286036	-110.241143	147157.3170250766	39.57021784251148	-101.1912047	312268.1721587128	4402330.552284272	3172.229077018566	2982.778121076826	2978.5707185503	2982.58216415914	4.20049211890528	0.1899046092873248
397	387	286037	-109.681143	147157.3170250766	39.570225389350454	-101.1888951	312468.1698348189	4402326.475	3171.79556312503	2980.151242352446	2978.4738519977595	2982.48722032027	3.77390354565173	0
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402	387	286042	-106.281143	147157.3170250766	39.57026245379257	-101.1771671	313474.145190276	4402306.94	3145.483384208492	2967.8549217816	2965.962801976712	2960.5843401787978	7.396740142046984	6.8061072
403	387	286043	-105.621143	147157.3170250766	39.57026916701064	-101.174815	313689.103572965	4402302.75725274	3139.214285449823	2964.10408335544	2962.3911427175915	2960.5843401787978	7.396740142046984	6.8061072
404	387	286044	-104.961143	147157.3170250766	39.57027694353117	-101.1724759	313876.1340586338	4402297.94450715	3134.079553655965	2962.4011530712916	2962.5545510283337	2963.67828997320	9.43544277258769	8.801864073971045
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407	387	286047	-102.981143	147157.3170250766	39.570298365312005	-101.165439	314479.116004413	4402285.79110713	3089.80796546072	2955.3745278664974	2941.514767676429	2939.09811336315	13.76891670	16.2763650310241
408	387	286048	-102.321143	147157.3170250766	39.570303413665048	-101.1630934	314680.1096191795	4402281.64479756	3107.41834027177	2953.084321045286	2936.531500118728	2934.561159710816	16.5520289280043	18.74202543
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413	387	286053	-99.021143	147157.3170250766	39.57033975674876	-101.1513563	315685.0750078636	4402261.27818599	2986.34268835105	2942.35327498885	2910.634856779561	2909.568686073734	31.71481621932389	34.7848892550046
414	387	286054	-98.361143	147157.3170250766	39.570346575212585	-101.1490917	315886.06750373476	4402257.203394756	2967.89486603842	2940.567890217279	2905.263924797145	2904.568052899333	35.09204904133775	35.8502441134566
415	387	286055	-97.701143	147157.3170250766	39.57035342559647	-101.1468741	316087.059904545	4402253.131291973	2958.495207700358	2938.4104073317957	2902.39777374104	2901.556579906247	36.012635576928	36.85328742554975
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417	387	286057	-96.381143	147157.3170250766	39.5703668059572	-101.1419823	316489.041852526	4402247.968719933	2932.77650359627	2934.685709717757	2902.782961680043	2906.48559546939	38.88531470935354	38.182038
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421	387	286061	-93.741143	147157.3170250766	39.57039291840644	-101.1326004	317293.0104077627	4402228.700439787	2927.834212915967	2927.83754	2888.551020020455	2883.870328677535	39.2859330280549	39.9543178512491
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423	387	286063	-92.421143	147157.3170250766	39.57040621029668	-101.1278135	317694.0915119684	4402224.63465773	2925.557849671405	2926.299814210455	2888.455054579415	2889.4571421015897	36.7170965350625	36.842071085584
424	387	286064	-91.761143	147157.3170250766	39.5704120219668	-101.125435	317895.198319071766	4402224.63465773	2925.557849671405	2926.299814210455	2888.455054579415	2889.4571421015897	36.7170965350625	36.842071085584
425	387	286065	-91.101143	147157.3170250766	39.57041830215905	-101.1232179	318096.973732653	4402224.6346						

ix	iy	x	Yr	Latitude	Longitude	UTM-Y	SurfElev	W.Lt	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfBoth.f
507	387	286147	-36981.14133	1047157.3170250766	-39.5077887966089	-100.9308758	334577.6174274229	4041879.467025404	3066.6579342889368	2878.9957336048424	2852.2093927198475	26.786340848949483
508	387	286148	-36321.14133	1047157.3170250766	-39.50781336261715	-100.92838302	33478.591242695025	4041875.416519781	3059.2229938887476	2860.471013338483	2851.757692810237	26.53259681460132
509	387	286149	-35661.14133	1047157.3170250766	-39.50793387944805	-100.9261845	334979.576544999	4041873.416519781	3051.801125	2861.538860140867	2859.5810047537401	27.495446007299323
510	387	286150	-35001.14133	1047157.3170250766	-39.5079628350599	-100.9238399	335180.5468062786	4041867.316221427	3047.3729130876176	2876.775229	2847.546672317145	29.228465851000507
511	387	286151	-34341.14133	1047157.3170250766	-39.5078867415665	-100.9214932	335381.5220696482	4041863.26426861	3041.688686747524	2875.8363927631102	2846.1752005135077	28.466316250458227
512	387	286152	-33681.14133	1047157.3170250766	-39.507910048579	-100.9191476	335582.4884674348	4041859.216783414	3043.7413714662054	2875.0173023186203	2844.833946684507	28.05101931966134
513	387	286153	-33021.14133	1047157.3170250766	-39.507933879449976	-100.916802	335783.4746292465	4041855.175560055	3045.799621901127	2873.94050509482	2843.1309273753113	28.28350540938237
514	387	286154	-32361.14133	1047157.3170250766	-39.5079554419024	-100.9144653	335984.4502518004	4041851.114740601	3047.854799114036	2874.2184640517	2841.319488470011	28.4443816459073
515	387	286155	-31701.14133	1047157.3170250766	-39.5079774355557	-100.9121107	336185.4257	4041847.036983702	3048.6401791982938	2873.538860140867	2839.6810047537401	28.554428127765055
516	387	286156	-31041.14133	1047157.3170250766	-39.507989762292	-100.909785	336386.4010212928	4041843.021	3048.1742075507796	2870.0545235871014	2837.889227345495	28.7937873296186
517	387	286157	-30381.14133	1047157.3170250766	-39.508002063626	-100.9074194	336587.3761684464	4041839.87266191	3047.7010830306	2868.343662485565	2836.259471124244	28.386378848143054
518	387	286158	-29721.14133	1047157.3170250766	-39.50804069783825	-100.9050737	336781.3511743775	4041834.92432062	3047.2579955752	2864.520370263352	2834.7969751742503	28.37641742800404
519	387	286159	-29061.14133	1047157.3170250766	-39.5080606788733	-100.9027281	336989.325885888	4041830.67963909	3045.50714523904	2864.485671240004	2833.292730578354	28.33208801366214
520	387	286160	-28401.14133	1047157.3170250766	-39.5080806067285	-100.9003824	337190.30066199036	4041826.82898331	3042.541127607723	2862.441166868068	2831.792043952049	28.31792043952049
521	387	286161	-27741.14133	1047157.3170250766	-39.5080998814044	-100.8980368	337391.317778997	4041822.81858236	3038.57428691541	2859.899286985689	2830.737836399067	28.29044648
522	387	286162	-27081.14133	1047157.3170250766	-39.5081187029005	-100.8956811	337592.249634933	4041818.7343876	3036.607434	2857.366760875598	2828.6842046323786	28.28261308438267
523	387	286163	-26421.14133	1047157.3170250766	-39.508137707121694	-100.8933455	337793.2378962169	4041814.6874458	3035.829545183607	2857.79872830547	2828.65437878281	28.268552347
524	387	286164	-25761.14133	1047157.3170250766	-39.50815498635326	-100.8909998	337994.1978263196	4041810.64072253	3028.30693605244	2852.068250573694	2827.321600158737	28.22737057230857
525	387	286165	-25101.14133	1047157.3170250766	-39.50817244831005	-100.8886542	338195.176760585	4041806.54272546	3026.848822278	2849.3185339077	2824.7810981166483	28.242933246529266
526	387	286166	-24441.14133	1047157.3170250766	-39.5081894570872	-100.8863085	338396.14540205593	4041802.9405732	3015.77107624012	2846.503291866667	2819.925763204058	28.225073318
527	387	286167	-23781.14133	1047157.3170250766	-39.508206	-100.8839629	338597.118977266	4041798.502	3010.7723004064	2843.654627487086	2813.1892047363192	28.21318986
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529	387	286169	-22461.14133	1047157.3170250766	-39.5082376745388	-100.8793487	338999.055697107	4041790.41078163	3000.4698158010368	2837.6102381340344	2802.61320344344	28.1978311510825
530	387	286170	-21801.14133	1047157.3170250766	-39.5082529603596	-100.876926	339200.03876735794	4041786.35204636	2997.4024054954958	2834.95189404658	2789.382193604205	28.178803785149563
531	387	286171	-21141.14133	1047157.3170250766	-39.5082677032277	-100.8745803	339401.0711795627	4041782.36012569	2987.060271292306	2832.01771415487	2781.410888029028	28.160078291258425
532	387	286172	-20481.14133	1047157.3170250766	-39.508282	-100.8722347	339601.984516338	4041778.27558508	2980.8342784477866	2829.074037304352	2780.57243890526	28.150003254470798
533	387	286173	-19821.14133	1047157.3170250766	-39.50829582948704	-100.869889	339802.9571584745	4041774.21080845	2954.608285962367	2826.12039510272	2781.545654	28.1457828469209134
534	387	286174	-19161.14133	1047157.3170250766	-39.5083092126241	-100.8675934	340003.92965459246	4041770.186758121	2937.22926987477	2823.167455770525	2782.061646333796	28.13982081736244
535	387	286175	-18501.14133	1047157.3170250766	-39.50832214286114	-100.8651877	340204.9633855248	4041767.42865027	2928.408433358248	2820.208182339528	2780.5175791709535	28.12981884157532
536	387	286176	-17841.14133	1047157.3170250766	-39.5083356199575	-100.862821	340405.874161382	4041763.801151832	2917.902438	2817.250771242383	2780.09710416641	28.125042308517063
537	387	286177	-17181.14133	1047157.3170250766	-39.508346637543	-100.8605064	340606.8641800882	4041758.05192771	2906.324531710291	2814.293171289942	2783.26136459009	28.117877448235917
538	387	286178	-16521.14133	1047157.3170250766	-39.5083582143708	-100.8581068	340807.8140959565	4041750.41182437	2894.74662875954346	2811.33740344794	2783.880275954346	28.107291943906337
539	387	286179	-15861.14133	1047157.3170250766	-39.5083693318072	-100.8558151	341008.7867064994	4041749.96869497	28929.23165502104	2808.385249646325	2786.117686322531	28.1067288540915423
540	387	286180	-15201.14133	1047157.3170250766	-39.508379990363	-100.8534965	341209.761328559	4041745.925738855	28930.7252036974864	2804.383138553057	2790.3990425961047	28.1045231260200621
541	387	286181	-14541.14133	1047157.3170250766	-39.5083902071388	-100.8511238	341410.7327376877	4041741.88395647	2890.236898447625	2890.424802702004	2794.376426335553	28.1036256179222
542	387	286182	-13881.14133	1047157.3170250766	-39.508405950344	-100.8487782	341611.70396164125	4041737.840561763	2890.74857792038	2799.5602	2797.30076040324	28.10263371510825
543	387	286183	-13221.14133	1047157.3170250766	-39.5084162597496	-100.846325	341812.6751	4041733.798412716	2892.378508329821	2796.643409673706	2799.51756711042	28.10004104563522
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546	387	286186	-11241.14133	1047157.3170250766	-39.5084344648172	-100.8393956	342415.58758970524	4041721.673	2867.6384233029107	2787.9229148958484	2797.903657241833	28.078605973195327
547	387	286187	-10581.14133	1047157.3170250766	-39.508442	-100.8370499	342616.5880829276	4041717.63208262	2861.181398176686	2785.0340289081385	2795.5920340045013	28.076328901868623
548	387	286188	-9921.141327	1047157.3170250766	-39.5084489956244	-100.8347034	342817.52840417004	4041713.591166128	2847.799715205598	2782.1166121785542	2783.166321732394	28.07398477379222
549	387	286189	-9261.141327	1047157.3170250766	-39.50845931257	-100.8320473	343018.469316807	4041709.43991467	2837.289389946267	2780.192833895557	2781.979108263389	28.07179819849557
550	387	286190	-8601.141327	1047157.3170250766	-39.5084617170574	-100.8300143	343218.488166673	4041705.500752094	2831.0386585830482	2776.43409673706	2780.51756711042	28.06004104563522
551	387	286191	-7941.141327	1047157.3170250766	-39.5084673928176	-100.8276763	343420.4385383326	4041701.46944071	2815.832455426245	2773.5945193662887	2782.073503964386	28.058470167161385
552	387	286192	-7281.141327	1047157.3170250766	-39.5084761907346	-100.8253217	343621.4082739167	4041697.429406201	2811.77787930071	2770.770427834208	2785.501100711428	28.05699492715465
553	387	286193	-6621.141327	1047157.3170250766	-39.5084773919484	-100.822976	343822.3778259411	4041693.88565854	2811.73236255317	2767.963242256993	2784.216638	28.05578468481164
554	387	286194	-5961.141327	1047157.3170250766	-39.5084817117157	-100.8206304	344023.374292491	4041689.30002214	2794.68864103963	2765.173136345305	2783.2358739494135	28.054769726914396
555	387	286195	-5301.141327	1047157.3170250766	-39.508485	-100.818267	344224.31639615	4041685.18566078	2792.4681783959564	2762.4584868995984	2782.5265441862565	28.0534265441862565
556	387	286196	-4641.141327	1047157.3170250766	-39.508489916329	-100.8158391	344425.2857071172	4041681.272	2792.444617749496	2760.447115502692	2781.81155900707	28.0534265441862565
557	387	286197	-3981.141327	1047157.3170250766	-39.508495182656	-100.8138934	344626.2546920395	4041677.232574825	2793.63187563304	2756.91105734978	2781.945931032115	28.05245752248409
558	387	286198	-3321.141327	1047157.3170250766	-39.50849445883446	-100.8112478	344827.223524168	4041673.19404103	2790.481657576757	2754.194023103592	2781.072441839713	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
637	286273	46178.8586730335	10417517.310250766	39.50739092099046	-0.06353242	358989.4741056655	410370.971855836	273.2116210956713	2602.633205622574	2622.94378478249876	2623.163452330108	0	0	0
634	286274	46838.8586730335	10417517.310250766	39.507326859833415	-0.06252786	360100.4327913533	401366.951223314	2721.60359634372256	2605.9260275009988	2623.174832629298	2623.57008517945004	0	0	0
635	286275	47488.8586730335	10417517.310250766	39.507326859833415	-0.06252786	361001.2901063362	401368.930871713	2708.945181839013	2604.240519714477	2623.172804849593	2623.743732584593	0	0	0
636	286276	48158.8586730335	10417517.310250766	39.5072938	-0.0628273	360502.3478653174	401350.0966436	2695.240573172044	2602.582332378894	2619.431061204113	2619.887126861014	0	0	0
637	286277	48818.8586730335	10417517.310250766	39.5072606462947	-0.06259417	360703.30530361585	401354.89074566	2681.536774071936	2600.9693275943585	2611.559882722581	2611.652618740282	0	0	0
638	286278	49478.8586730335	10417517.310250766	39.5072267159253	-0.0623596	360904.2603418745	401351.807105938	2687.823564770196	2599.3799763200946	2602.810519480204	2602.758425004296	0	0	0
639	286280	50138.8586730335	10417517.310250766	39.5071925153782	-0.06212504	361105.2204191527	401358.651609264	2687.489413596727	2597.85564744173405	2595.8054889879762	2595.9613911748251	20506066575785978	2494456272489515	0
640	286280	50798.8586730335	10417517.310250766	39.5071579616529	-0.06189047	361366.1746765864	401342.832	2650.537168925626	2596.36057578184032	2591.2522406543453	2590.8119662918929	5146629724057921	5386571626510704	0
641	286281	51458.8586730335	10417517.310250766	39.5071225747874	-0.06165591	361607.1347769703	401338.814198152	2595.8152201804815	2595.02103383987	2598.307743	2598.5117262438526	6713589944226885	703700760036685	0
642	286282	52118.8586730335	10417517.310250766	39.5071087146669	-0.06142135	361708.019	401334.7949157	2593.613124388414	2593.73477559384	2596.66665200796	2596.517115301938	7304796255152335	721427573593038	0
643	286283	52778.8586730335	10417517.310250766	39.5071051814103	-0.06118678	361909.048603559	401331.76175261	2632.66938621983	2592.032078138541	2585.7968567648616	2585.862368635684	705221336379028	666939545972346	0
644	286284	53438.8586730335	10417517.310250766	39.50710147	-0.06095222	362110.0053186682	401326.757907811	2631.83400717913167	2591.4209324607446	2585.629789340605	2585.887502	5.791143120141442	5.5334300406426965	0
645	286285	54098.8586730335	10417517.310250766	39.506977133759004	-0.06071765	362310.9601917985	401322.7368797965	2630.968625660707	2590.3842197683288	2586.9762552871475	2587.320468493878	3417964812352308	3062172819003903	0
646	286286	54758.8586730335	10417517.310250766	39.5068044225687	-0.06048309	362511.9184	401322.72082213	2630.1032513300242	2589.4944121956614	2588.731719361305	2589.0641852552455	0.717692831	0.385226640115886	0
647	286287	55418.8586730335	10417517.310250766	39.506802995996	-0.06024863	362710.8746730533	401314.70430407	2628.7804769496465	2588.586875453337	2590.732266634284	2591.131651803534	0	0	0
648	286288	56078.8586730335	10417517.310250766	39.5068664114534	-0.05994663	362913.830615908	401307.862202294	2627.002876545914	2587.8102519540844	2593.028765699161	2593.465443332125	0	0	0
649	286289	56738.8586730335	10417517.310250766	39.5068255851298	-0.0597794	363114.7889109008	401306.67116844	2625.2201481651474	2587.128903330685	2595.9124330505928	2596.3373896353	0	0	0
650	286290	57398.8586730335	10417517.310250766	39.506763962906	-0.05954483	363315.724055154	401303.652376984	2623.4396215744443	2586.552512763829	2599.783951004923	2600.904782432573	0	0	0
651	286291	58058.8586730335	10417517.310250766	39.5067467609512	-0.05931027	363516.68864131534	401326.36655412	2628.705152771093	2586.0997774946904	2605.317449273498	2605.915730466696	0	0	0
652	286292	58718.8586730335	10417517.310250766	39.506706669091	-0.05907571	363717.4563066143	401294.620279211	2621.04228572437123	2585.78701663423	2613.3279055151315	2613.665292021275	0	0	0
653	286293	59378.8586730335	10417517.310250766	39.5066661240642	-0.05884114	363918.68964161985	401290.640139378	2653.328661709154	2585.631126357412	2624.586257432856	2625.1709436245824	0	0	0
654	286294	60038.8586730335	10417517.310250766	39.5066251256551	-0.05860416	364119.5652453616	401296.588	2665.65326671519	2585.60157177848	2630.013149	2640.18642014929	0	0	0
655	286295	60698.8586730335	10417517.310250766	39.506587446874	-0.0583629	364326.5967446874	401292.37586774	2643.9216519192	2584.2018974251596	2653.110118248345	2653.110118248345	0	0	0
656	286296	61358.8586730335	10417517.310250766	39.50654176590086	-0.05813745	364521.4756659294	401278.557	2699.984791804949	2586.147193597263	2647.720232149037	2659.8113921785027	0	0	0
657	286297	62018.8586730335	10417517.310250766	39.50649841216764	-0.05790288	364722.4306828183	401274.542	2718.767171187036	2586.623379972359	2647.9032816107747	2649.134687208754	0	0	0
658	286298	62678.8586730335	10417517.310250766	39.506456601251	-0.05766832	364923.385694416	401270.526895379	2737.5494315716125	2587.226877083063	2638.875678024675	2639.44733955913	0	0	0
659	286299	63338.8586730335	10417517.310250766	39.5064133711596	-0.05743376	365124.3403270067	401266.512	2746.3844111061435	2587.9395868802283	2631.32411984839	2631.608169536803	0	0	0
660	286300	63998.8586730335	10417517.310250766	39.506369618908	-0.057192	365325.29495571236	401262.497778024	2745.303484814601	2588.7450227072413	2624.5107801589784	2625.69435333986	0	0	0
661	286301	64658.8586730335	10417517.310250766	39.5063264484946	-0.05694845	365526.29495571236	401258.484	2744.209687582496	2589.628977582496	2619.187482525176	2619.69979100147	0	0	0
662	286302	65318.8586730335	10417517.310250766	39.506280525445	-0.05673007	365727.2038271491	401252.695451843	2743.1172248545	2590.753266595179	2619.423776550919	2616.4317425247574	0	0	0
663	286303	65978.8586730335	10417517.310250766	39.5062357490268	-0.05649551	365928.1580786157	401250.45793169	2737.453671703987	2591.586593849474	2614.1351559203663	2613.78824653181	0	0	0
664	286304	66638.8586730335	10417517.310250766	39.5061902190533	-0.05626094	366129.1128618357	401246.42198764	2727.21856	2592.64271763635	2610.766038798735	2611.55524654985	0	0	0
665	286305	67298.8586730335	10417517.310250766	39.50614423590385	-0.05602638	366326.06617373123	401242.428984615	2716.983502154021	2593.7397562861765	2610.337130415057	2611.3166211045215	0	0	0
666	286306	67958.8586730335	10417517.310250766	39.506097795782	-0.05579182	366531.02	401238.415826712	2706.748444376832	2594.869880232194	2607.894651940496	2609.550978648457	0	0	0
667	286307	68618.8586730335	10417517.310250766	39.5060509	-0.05555229	366731.973761845	401234.403	2703.985488685219	2596.028024052697	2606.42126004716	2608.141084721032	0	0	0
668	286308	69278.8586730335	10417517.310250766	39.506003373994	-0.0553229	366935.5961624827	401230.390396	2707.6918551079	2597.210619551079	2601.7632107399	2619.69979100147	0	0	0
669	286309	69938.8586730335	10417517.310250766	39.505957715472	-0.05508573	367133.8880	401226.39040045	2704.036823731453	2598.416801956812	2606.2222428547	2608.5569551778284	0	0	0
670	286310	70598.8586730335	10417517.310250766	39.5059075	-0.05485356	367334.8342013593	401222.36591704	2718.112789127109	2599.63369818408	2605.433958330	2605.0365400276296	0	0	0
671	286311	71258.8586730335	10417517.310250766	39.505858203155	-0.054619	367535.7874263011	401218.354030611	2725.050297479755	2600.876750887442	2602.932038856563	2604.5052616037046	0	0	0
672	286312	71918.8586730335	10417517.310250766	39.505806649363	-0.05438444	367736.74052486825	401214.34238004	2726.130679809751	2602.130679809751	2602.932569529387	2604.3250761894546	0	0	0
673	286313	72578.8586730335	10417517.310250766	39.505760056376	-0.05414887	367937.693971555	401210.33903593	2734.382119271404	2603.3979594088494	2603.76676008734	2605.58993668986	0	0	0
674	286314	73238.8586730335	10417517.310250766	39.5056709944782	-0.05391531	368138.644435824	4012106.32	2752.540436013377	2604.67594136232	2604.17964941362	2604.9915696336	0.94629155365309787	0.94629155365309787	0
675	286315	73898.8586730335	10417517.310250766	39.505623484946	-0.0536823	368345.5961624827	401210.390396	2752.036823731453	2605.941681845253	2604.2222428547	2608.5569551778284	0.014912600589091902	0.014912600589091902	0
676	286316	74558.8586730335	10417517.310250766	39.5055683116433	-0.05344618	368540.5175953966	401198.298137352	2751.782034316177	2606.270622169734	2606.704150050384	2607.5499685346	0.42964271193503407	0.1050935716276182	0
677	286317	75218.8586730335	10417517.310250766	39.5055579038885	-0.05321162	368741.5042291196	401194.287667583	2748.216615348316	2608.56797991083	2608.2732531677016	2608.5486362382935	0.0247266314067747	0.019343560814832071	0
678	286318	75878.8586730335	10417517.310250766	39.50552051595954	-0.05297706	368942.456237416	401190.27433496	2746.00511972804	2609.536062182995	2609.786197472536	2609.634763012907	0.09552473	0.09552473	0
679	286319	76538.8586730335	10417517.310250766	39.505452888355	-0.05274429	369143.4088	401186.26743648	2744.714064129037	2609.791943629515	2608.98889866237	2614.718103390515	1.2241304412882572	1.2241304412882572	0
680	286320	77198.8586730335	10417517.310250766	39.505400107571	-0.05250793	369344.3608883								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogsKrg.f	BRrElevLogsKrg.f	SatHtElev.f	SatHtBoth.f
19	288	286399	-359061.1413	147817.3170250766	39.45696843923224	-102.0759061	236482.1180194808	4040085.981702358	3689.378282	3534.75280302075993	3486.126026004864	3485.9675361914915	48.785294016017895	
20	288	286400	-358401.1413	147817.3170250766	39.45698147401699	-102.0731609	236683.1972504626	4040081.8140111845	3697.170973509125	3532.9426103363653	3484.011735515042	3483.90153361523414	49.0410762286803	
21	288	286401	-357781.1413	147817.3170250766	39.4600565880455	-102.068165	236864.2376811162	4040077.646861671	3704.9636653329803	3531.127636321235	3481.776583091467	3481.686337329614	49.4513291403835	
22	288	286402	-357081.1413	147817.3170250766	39.46005982587556	-102.0684703	2371.765307707637	4040073.47933809	3723.379900212786	3479.3568471855244	3479.302877811156	3479.30287773574144	50.0316311021254	
23	288	286403	-356421.1413	147817.3170250766	39.46005924046063	-102.066125	237286.43386074878	4040065.13287691	3727.618058113335	3527.543612405019	3476.8842658759097	3476.7332687789767	50.6936465294815	
24	288	286404	-355716.1413	147817.3170250766	39.4607954132915	-102.0637797	237487.0140803316	4040061.545636013	3720.37080526177	3525.745624520586	3474.366148882058	3474.366148882058	51.6963813266094	
25	288	286405	-355011.1413	147817.3170250766	39.4610394891175	-102.0614345	237688.58819204487	4040057.9187018059	3734.9282827393023	3523.9726054848496	3474.0721271543757	3473.8730248382926	51.990589046387626	
26	288	286406	-354411.1413	147817.3170250766	39.4612830314674	-102.0590892	237889.6654040896	4040056.812308733	3742.2385147395127	3522.198323836231	3473.115152948686	3473.07625591741	52.12260881878001	
27	288	286407	-353781.1413	147817.3170250766	39.461515262	-102.0567498	238090.74263044775	4040052.546839028	3744.314261117423	3520.431861723458	3472.9718141597874	3472.9718141597874	52.46404785129734	
28	288	286408	-353121.1413	147817.3170250766	39.4617686373824	-102.054398	238291.8176996473	4040048.48118024	3741.1554619354106	3518.67405153824	3472.777829586903	3476.7177829586903	52.9882100502224	
29	288	286409	-352616.1413	147817.3170250766	39.46201160074096	-102.052653	238462.89644422603	4040043.315664429	3737.9966627567382	3516.8230379100727	3476.9813354130742	3476.9813354130742	53.090589046387626	
30	288	286410	-351901.1413	147817.3170250766	39.46225253103264	-102.049708	238693.972596407	4040040.135039528	3747.0583847711656	3477.0583847711656	3477.0583847711656	3477.0583847711656	53.1222924877929	
31	288	286411	-351141.1413	147817.3170250766	39.4624941483766	-102.0473627	238895.09416713225	4040035.985	3731.771140005335	3513.4427223575996	3476.9018250380454	3476.9018250380454	53.1648315296981646	
32	288	286412	-350481.1413	147817.3170250766	39.4627350125332	-102.0450174	239096.1250147165	4040031.402652408	3728.797514026901	3511.722027948935	3476.54262403296	3476.54262403296	53.1792014916731	
33	288	286413	-349821.1413	147817.3170250766	39.462975436215	-102.0426721	239297.20065463585	4040027.656021228	3725.823495424094	3510.0035751893574	3476.0491596186353	3476.0491596186353	53.1931948158618934	
34	288	286414	-349161.1413	147817.3170250766	39.4632153816412	-102.0403268	239498.2763093708	4040023.491703654	3722.8494074076953	3508.2974014	3475.4967441319172	3475.4967441319172	53.220031034951298	
35	288	286415	-348501.1413	147817.3170250766	39.4634548865919	-102.0379815	239699.35161122494	4040019.327363621	3718.78584014819	3504.964233799286	3474.8538516219223	3474.8538516219223	53.2475778006305	
36	288	286416	-347841.1413	147817.3170250766	39.4636939	-102.0356362	239900.4260279083	4040015.164	3716.910723851919	3502.802984262536	3474.1652910960925	3474.1652910960925	53.276770330161154	
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66	288	286446	-328041.1413	147817.3170250766	39.4706584152982	-101.9652765	245932.5532699117	4039890.36132854	3448.913056507					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLElevKgr.f	BRLEvBothKgr.f	AsfthoKgr.f	SatHBoth.f
143	388	286525	-275901.1413	147817.3170250766	39.748703434411965	-107.779989	261816.08818576115	4033662.75329454	3440.447030722706	3341.643426862355	3298.59296387136	3298.508633710846	43.0504432954996	43.134759971790936
146	388	286526	-275241.1413	147817.3170250766	39.7487223551724	-107.776453	261877.7337726818	403356.81603353	3442.0048475335177	3329.086451	3299.01958	3298.484659538757	43.875297471797694	43.875297471797694
147	388	286527	-274681.1413	147817.3170250766	39.7487412141895	-107.762499	261828.1833419147	403354.4789171991	3441.6146527801361	3343.414808339315	3299.447580904775	3299.36702619376	44.54848110833218	44.54848110833218
148	388	286528	-273921.1413	147817.3170250766	39.74872006195507	-107.772635	262419.2308564666	403550.342154363	3439.458337	3344.56700587839	3299.366827727854	3299.345652359654	45.2190035218486	45.2190035218486
149	388	286529	-273261.1413	147817.3170250766	39.74877884717952	-107.770681	262620.2779445373	403546.26557456	3437.242030223149	3344.79145170892	3298.843774745127	3298.831187470197	45.94783769637186	45.94783769637186
150	388	286530	-272601.1413	147817.3170250766	39.74877979	-107.7682626	262821.3247968302	403540.2092471627	3435.0273139571983	3345.766579683806	3298.067590241793	3298.1652577284926	46.500521596987924	46.500521596987924
151	388	286531	-271941.1413	147817.3170250766	39.74881628169337	-107.7659171	263022.3714183955	403537.34183757885	3340.6692590987755	3344.3169045056665	3296.811923682604	3296.96329532611	47.50503038606251	47.50503038606251
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153	388	286533	-270621.1413	147817.3170250766	39.748835439486022	-107.7612629	263524.46359584157	403529.86156718755	3417.689112298167	3343.275891773881	3296.396604492775	3296.5549490018376	48.880291324603504	48.880291324603504
154	388	286534	-269961.1413	147817.3170250766	39.74872006325504	-107.758808	263625.5098784453	403525.52630331	3411.169302764843	3342.6536652183	3291.315989	3291.461383493085	51.24773736528249	51.24773736528249
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156	388	286536	-268641.1413	147817.3170250766	39.74890097052173	-107.7541898	264027.60101490815	403517.256	3397.305575217306	3340.337368350557	3298.178638291817	3288.2663541482014	53.19905405632405	53.19905405632405
157	388	286537	-267981.1413	147817.3170250766	39.748927497751744	-107.7518444	264228.6462087328	403513.1126273885	3390.229957332268	3340.633726140538	3287.581835216906	3287.174486868207	53.91887392755055	53.91887392755055
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173	388	286553	-257421.1413	147817.3170250766	39.7492165952544	-107.7143167	267445.3384181574	403445.999927427	3486.559399929254	3327.58158910254	3296.515891	3296.515891	58.06769458831792	58.06769458831792
174	388	286554	-256761.1413	147817.3170250766	39.74923871903867	-107.7117173	267648.3771698306	403442.86938615	3485.704101188124	3327.6337755547	3296.413838819818	3296.413838819818	58.84547474835161	58.84547474835161
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182	388	286562	-251481.1413	147817.3170250766	39.74937334	-107.6932073	269254.7018840847	403409.83354632	3483.090213	3318.1555641491004	3295.36490578952	3295.36490578952	64.77107347014862	64.77107347014862
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184	388	286564	-250161.1413	147817.3170250766	39.74940778343209	-107.6885163	269656.7801493712	403401.577	3505.4923775257347	3317.146013	3295.665232412356	3295.665232412356	65.913922285991	65.913922285991
185	388	286565	-249501.1413	147817.3170250766	39.7494249373413806	-107.6861708	269857.8189416728	403397.450997225	3508.7476678716367	3316.129312823415	3295.665232412356	3295.665232412356	66.6874931703394	66.6874931703394
186	388	286566	-248841.1413	147817.3170250766	39.74944240602606	-107.6838253	270048.85150735796	403393.219630121	3512.0020651737995	3315.105514638185	3295.3697670983	3295.3697670983	67.4365170017872	67.4365170017872
187	388	286567	-248181.1413	147817.3170250766	39.7494612748122	-107.681493	270249.861953086	403389.360760185	3513.0275988454	3314.0342718812	3294.760340146994	3294.760340146994	68.1905053180251	68.1905053180251
188	388	286568	-247521.1413	147817.3170250766	39.74948310021101	-107.6767888	270661.97184676345	403380.939806705	3521.25821238027	3313.385367207574	3294.719002556415	3294.719002556415	69.02948526921019	69.02948526921019
189	388	286569	-246											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WLn.	BRRElevKgs.f	BRRElevBothKgs.f	LatHtBothKgs.f	SurfHtBothKgs.f
271	388	286651	-192741.1413	1478173.310250766	39.5073068604623	-101.4844542	287146.329851458	4403003.346898926	3448.834525959845	320.347147872804	3118.1812599951986	3117.555956532887	91.16588783800533	91.78759224331677
272	388	286652	-192081.1413	1478173.310250766	39.50734472487774	-101.4821086	287347.3452304402	4403039.396939322	3445.571456175107	320.7408401730878	3118.27177883	3114.9209782190073	91.13051590415773	92.4874234497373
273	388	286653	-191421.1413	1478173.310250766	39.507303681381	-101.478763	287546.3686742771	4403035.133171147	3443.967589871325	319.7617623546	3118.7356181477307	3113.515403447578	91.8669759178336	93.1969759178336
274	388	286654	-190761.1413	1478173.310250766	39.5070715982432	-101.4771474	287748.338360635	4403031.026633076	3439.05339095151	320.5243864890816	3113.2620539976191	3113.7617152974	90.912685112042	91.603601337416
275	388	286655	-190101.1413	1478173.310250766	39.507678324	-101.4750718	287950.407526609	4403026.925234081	3435.9743277490363	320.632298046293	3111.7831554401555	3107.505137444409	89.84014261	91.2695646219371
276	388	286656	-189441.1413	1478173.310250766	39.5076658598969	-101.4727262	288151.426541102	4403028.812025427	3433.0532777140656	319.717128	3110.3065146797962	3108.800909897417	89.4163136993392	90.9162183498981
277	388	286657	-188781.1413	1478173.310250766	39.5080925	-101.4703806	288352.4454	4403018.708430046	3432.182272224294	319.872212274294	3108.726140327643	3107.0501094004863	89.1010823754131	90.77710287021364
278	388	286658	-188121.1413	1478173.310250766	39.5082219	-101.4680351	288553.456238321	4403014.03	3427.2117116531854	319.7797979772324	3107.20232880058	3105.4696151592166	88.7554891766547	90.4862643800738
279	388	286659	-187461.1413	1478173.310250766	39.50839585143216	-101.4656859	288754.4622544622	4403010.47494856	3424.367589871325	319.7617623546	3108.7356181477307	3103.86196158585	88.7054350820704	90.24536902704
280	388	286660	-186801.1413	1478173.310250766	39.5084793	-101.4633439	288955.500530813	4403006.392286867	3417.604891585163	319.725055555584	3104.1704593196445	3102.2655535724	88.1056133591337	90.1928851188342
281	388	286661	-186141.1413	1478173.310250766	39.50860738061256	-101.4609983	289156.51850929356	4403002.287518571	3418.833791	319.407206983598	3102.574141890085	3100.728034824057	87.8958480309999	89.7422321583784
282	388	286662	-185481.1413	1478173.310250766	39.5087349654672	-101.4586527	289357.5363	4402998.12859999	3416.066494739254	318.685561895986	3100.959614336651	3099.077184249074	87.7259454533051	89.60774997190664
283	388	286663	-184821.1413	1478173.310250766	39.5088209716406	-101.4563071	289558.5584582654	4402994.078010589	3414.0568134175154	318.9612057333926	3099.279218758244	3097.481385574464	87.6401838717761	89.43879800466206
284	388	286664	-184161.1413	1478173.310250766	39.5088897757036	-101.4539615	289759.5712045608	4402989.974351879	3412.8033150194724	318.71492938398944	3097.7749013270065	3095.9668484846857	87.4000281191988	89.2080814511166
285	388	286665	-183501.1413	1478173.310250766	39.5091155010848	-101.4516159	289960.58855701534	4402985.870422343	3411.549817	3183.44508453079	3096.3412205303293	3094.502731002774	87.1036640319585	88.9430474380144
286	388	286666	-182841.1413	1478173.310250766	39.5092047733077	-101.4492703	290161.6053034984	4402981.76771473	3410.296318232068	3181.72039531309	3094.99988964746	3092.8045919820305	86.73332865	88.8447036407347
287	388	286667	-182181.1413	1478173.310250766	39.5093680923727	-101.4468247	290362.6220420846	4402977.63362271	3409.082416067175	318.024004375622	3093.640933585041	3091.4360071302233	86.73000779058131	88.5820264338677
288	388	286668	-181521.1413	1478173.310250766	39.50944009534066	-101.4445791	290563.6106749678	4402974.905149678	3407.902467497205	3178.323539	3092.1527385391423	3090.0960258291015	86.1780067010784	88.275913203963
289	388	286669	-180861.1413	1478173.310250766	39.5096153710873	-101.4422335	290764.6550090834	4402969.45719768	3406.03471892273	317.67638640453244	3090.68808049238	3088.810949	85.7262839906624	87.81291545483418
290	388	286670	-180201.1413	1478173.310250766	39.5097303306752	-101.4398879	290965.6711337327	4402965.354	3405.559817035722	317.492297919113335	3089.1964684409736	3088.0076738952194	85.85261075035992	86.91531541
291	388	286671	-179541.1413	1478173.310250766	39.50986283710354	-101.4375423	291166.6873034177	4402959.25018589	3403.965869912587	317.2184541229576	3088.102523	3077.909808008764	85.1159311732763	90.39530731249379
292	388	286672	-178881.1413	1478173.310250766	39.5099585037195	-101.4351967	291367.7027684151	4402957.14938336	3401.9603414903218	317.15081703210724	3087.148770723426	3076.731268312706	84.9535769372965	90.671908669
293	388	286673	-178221.1413	1478173.310250766	39.51004478948966	-101.4328543	291568.7182785184	4402953.44981318	3398.3194404535556	316.923121646476	3086.2504923124934	3074.953458298247	84.7854250393724	90.45250382724
294	388	286674	-177561.1413	1478173.310250766	39.51023063742956	-101.430055	291769.733584980	4402948.540038627	3397.943521	316.6805265809227	3085.6397458221	3075.930539521607	84.2250085107172	91.172339622471193
295	388	286675	-176901.1413	1478173.310250766	39.510323321179	-101.4281599	291970.7488898634	4402944.84452424	3396.07144271740516	316.5390482678987	3085.043885179567	3059.0959965772121	84.128706309	90.127312824957058
296	388	286676	-176241.1413	1478173.310250766	39.5104737818453	-101.4258143	292171.763585017	4402940.743251085	3394.33352727841	316.458462371201	3084.658495453429	3064.500470414325	79.92477403577777	90.10084513688217
297	388	286677	-175581.1413	1478173.310250766	39.5105943931204	-101.4234867	292372.787279471	4402938.642217769	3392.59892982347	316.2825340096321	3084.0848935026856	3063.94837599758	79.745626936517	94.7559246936521
298	388	286678	-174921.1413	1478173.310250766	39.5107147	-101.4211231	292573.792770305	4402932.541	3390.8631274400013	316.1055603106037	3083.56687478377	3071.758016005969	74.4887246224602	89.2978710308413
299	388	286679	-174261.1413	1478173.310250766	39.5108354747623	-101.4187673	292774.8070579752	4402928.34981318	3388.3194404535556	315.923121646476	3082.2504923124934	3074.953458298247	74.7854250393724	90.45250382724
300	388	286680	-173601.1413	1478173.310250766	39.5109450427375	-101.4164181	292975.811434255	4402924.34053076	3386.96273521377	315.7840923919624	3081.3768234991054	3073.9839138374	74.190839138374	91.140839138374
301	388	286681	-172941.1413	1478173.310250766	39.5110729775665	-101.4140863	293176.8502413915	4402920.204472788	3381.617034250719	315.4545360979854	3080.8454628235956	3078.949148359003	70.0998981556925	76.96921162085077
302	388	286682	-172281.1413	1478173.310250766	39.51114992255	-101.4117407	293377.8487031175	4402916.140641039	3378.265831	315.47052691019283	3077.61650680836	3077.6256203384467	77.6595032384462	77.6595032384462
303	388	286683	-171621.1413	1478173.310250766	39.511309657222	-101.4093951	293578.862179618	4402912.01404327	3376.1043282882207	315.35018231578473	3073.4076780700013	3073.41146663277	75.1514252784601	80.29035709412028
304	388	286684	-170961.1413	1478173.310250766	39.51147142183058	-101.4074095	293779.8754353657	4402907.94187138	3369.180859686968	315.25489740798723	3068.923893895245	3068.931217114654	83.6248018462747	83.61742801846274
305	388	286685	-170301.1413	1478173.310250766	39.51154452287	-101.4047398	293980.8885260376	4402904.632599469	3364.241729044824	315.14888316120514	3064.480756429354	3064.457062004362	87.7259454533051	89.2080814511166
306	388	286686	-169641.1413	1478173.310250766	39.5116810542735	-101.4023612	294181.9014	4402899.74389138	3362.471428742656	315.041102891723	3064.5309119614032	3064.5309119614032	86.73332865	88.8447036407347
307	388	286687	-168981.1413	1478173.310250766	39.5117815108305	-101.4000126	294382.9140551247	4402896.45052548	3358.84034875551	314.913982471095	3067.649656772261	3061.923374491054	86.16233157	91.0343644800412
308	388	286688	-168321.1413	1478173.310250766	39.511893117655	-101.397667	294583.9265324023	4402891.540653485	3353.87503873814	314.8198607780255	3056.327053096594	3055.9076507793734	86.19626458165543	92.2820299887708
309	388	286689	-167661.1413	1478173.310250766	39.512006228414	-101.3953214	294784.3879484534	4402887.944849306	3351.07875892171	314.7043731718903	3056.0410906458463	3055.55125677992	86.19626458165543	92.2820299887708
310	388	286690	-167001.1413	1478173.310250766	39.5121235863094	-101.3929758	294985.906634852	4402883.350573603	3349.8903414101	314.54587401028363	3056.310333152791	3055.6958817662676	86.19626458165543	92.2820299887708
311	388	286691	-166341.1413	1478173.310250766	39.5122378018298	-101.3906302	295186.9227707019	4402879.253	3348.09793755968	314.448297	3056.7319330938795	3055.89303638116	86.19626458165543	92.2820299887708
312	388	286692	-165681.1413	1478173.310250766	39.5123517918564	-101.3882464	295387.9749313126	4402875.154541091	3346.331271953964	314.34546918670228	3055.14143	3056.2620191273854	86.19626458165543	92.2820299887708
313	388	286693	-165021.1413	1478173.310250766	39.5124713424564	-101.3858512	295589.060302014	4402871.438918184	3344.582974239618	314.24582974239618	3054.7854250393724	3054.7854250393724	86.19626458165543	92.2820299887708
314	388	286694	-164361.1413	1478173.310250766	39.5125784124162	-101.3834926	295789.9791175327	4402866.961287165	3342.574323980272	314.105687494913227	3053.784876458165	3053.784876458165	86.19626458165543	92.2820299887708
315	388	286695	-163701.1413	1478173.310250766	39.5126910249484									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThkLogKrg.ft	SatThkBoth.ft
398	386777	-109581.1413		4748717.3170250766	39.520038460730105	-111.889049	412473.25469493156	40252027.747	3162.7299427168355	2978.7263031965257	2976.1559435395466	2986.2651319850476	2730.969890079026	0
398	386778	-109581.1413		4748717.3170250766	39.5200456244655	-111.886592	412674.2496323396	40252023.67044514	3159.409546998687	2976.126891975773	2973.546163646465	2976.618047889459	2580.726114300875	0
398	386779	-109581.1413		4748717.3170250766	39.52005341884494	-111.884135	412875.2448338899	402519.693891483	3153.8017251	2973.553232471797	2970.621367840471	2982.444831296746	2392.844831296746	0.8219145260051497
400	386780	-107601.1413		4748717.3170250766	39.520060829925384	-111.861879	4130.9245562385109	402525.151401199	3110.870290448146	2977.00290448146	2976.341146552017	2969.63384279435	2671.555981356219	1.369415016008196
401	386781	-106641.1413		4748717.3170250766	39.52007156867771	-111.795222	413277.2342880487	402525.141239651	3138.0413609174057	2980.480223635803	2964.361475099556	2964.752821759243	4.117488536	3.727401860601795
402	386782	-106281.1413		4748717.3170250766	39.52007552	-111.771765	413478.22874196334	402521.365316837	3130.158165628343	2965.36898931744	2961.205979545895	2961.2545674121474	4.7817855854625	4.638135116966754
403	386783	-105621.1413		4748717.3170250766	39.520082125819	-111.748308	413679.2320140562	402520.286327242	3120.8352251581295	2963.514997888129	2967.713475422394	2968.00679888129	5.58021396	5.58021396
404	386784	-104961.1413		4748717.3170250766	39.5200900106629	-111.724852	413880.217045203	402499.214178361	3110.87025394876	2961.0761313166117	2964.259670766316	2964.764171361392	6.8146050295687	6.312013395219754
405	386785	-104301.1413		4748717.3170250766	39.52009725526675	-111.703785	414081.21101355466	402495.138986856	3099.309853628974	2958.1536031623	2961.43377	2960.653636980514	7.325286108529635	6.8146050295687
406	386786	-103641.1413		4748717.3170250766	39.521043472814	-111.677338	414292.2047413904	402491.06401707	3088.54716959315	2956.246130255215	2948.296130255215	2945.608381815	8.022804451328289	10.68539187487534
407	386787	-102881.1413		4748717.3170250766	39.521114358188	-111.654482	414483.1983	402486.989382417	3077.23612859574	2953.363859	2944.146335762896	2940.955847017454	9.807505475303045	12.9953123601607
408	386788	-102231.1413		4748717.3170250766	39.5211848711474	-111.631025	414684.191654248	402482.914792807	3065.37675311366	2951.651019697313	2939.53927182203	2936.57579278984	12.11747847410142	15.007340418629414
409	386789	-101661.1413		4748717.3170250766	39.5212549033476	-111.607588	414885.184839816	402480.54050872	3053.517341666977	2949.38588717233	2935.382502682636	2932.468454033766	14.0073384896975	17.1243938496975
410	386790	-101001.1413		4748717.3170250766	39.52132345	-111.584111	415086.1778447265	402474.76627597	3045.617949240532	2947.170335060528	2930.109204079005	2927.567891662684	16.01713009	19.81247579874362
411	386791	-100341.1413		4748717.3170250766	39.521396980516	-111.560685	415287.170669991	402470.69275281	3027.887489505329	2944.94330562114	2924.701682314093	2922.542591630363	20.29262690001237	22.35171688407928
412	386792	-99681.1413		4748717.3170250766	39.5214623	-111.537198	415488.1633144809	402466.619217009	3012.270427102053	2942.86218138706	2919.3765671883484	2917.755892762917	23.4855662521951	25.10533417414154
413	386793	-99021.1413		4748717.3170250766	39.52150002262	-111.513741	415689.1557960276	402462.54591978	2996.5262368718	2940.77430519673	2914.21233960379	2912.51673647506	26.56196588818355	28.547252027641193
414	386794	-98361.1413		4748717.3170250766	39.521598264899	-111.490284	415890.148065161	402458.472609075	2980.84531020953	2938.734006381	2909.267014023332	2907.4604140577106	29.376471406775045	31.957401406775045
415	386795	-97701.1413		4748717.3170250766	39.521665578517	-111.466828	416091.1401736476	402454.4	2971.07481516524	2936.7302360064	2905.469157613917	2904.000732312848	32.12610784321227	32.7295038779582
416	386796	-97041.1413		4748717.3170250766	39.521734395037	-111.443371	416292.1321983526	402450.327	2962.71406823151	2934.7734000874784	2902.394814805856	2900.75236124224	34.0219358982862	34.0219358982862
417	386797	-96381.1413		4748717.3170250766	39.521798842198	-111.419914	416483.123943646	402446.255114554	2963.353428187307	2932.860124922	2899.139341178537	2897.673094178537	35.32704891	35.32704891
418	386798	-95721.1413		4748717.3170250766	39.5219647997528	-111.396457	416693.1551581265	402442.130102089	2959.4587488422295	2930.91959637536	2895.560205108412	2894.17222100454	36.917588694545	36.917588694545
419	386799	-95061.1413		4748717.3170250766	39.52203798510304	-111.373785	416895.1608564954	402438.11144818	2944.469581522035	2928.17107238963	2894.75824542947	2893.1188712086907	38.7646891834046	38.7646891834046
420	386800	-94401.1413		4748717.3170250766	39.52219953	-111.345544	417096.09811917314	402430.93517526	2970.50419067339	2927.01482950128	2888.29533014134	2888.126007753284	38.106493359397	39.2578191369398
421	386801	-93741.1413		4748717.3170250766	39.52225901009	-111.326807	417297.0981535727	402429.968129006	2931.19159592993	2925.691789244636	2889.58094585046	2888.76145842626	36.1119445569746	36.9303939
422	386802	-93081.1413		4748717.3170250766	39.5221240820546	-111.32063	417498.080100616	402425.8697054	2987.75957101238	2924.05378358659	2894.845047380647	2895.107257614875	29.1692761579431	28.94650777171518
423	386803	-92421.1413		4748717.3170250766	39.5221877696715	-111.279173	417699.077	402421.862760535	2993.22891292381	2922.506090401784	2889.780625113452	2900.081453802195	27.25465290726333	22.46460577171518
424	386804	-91761.1413		4748717.3170250766	39.522251041053	-111.255717	417900.0612	402417.75394805	2995.376487434824	2921.07180805575	2892.311669346575	2893.36626230477	28.760511485900224	27.70591447079787
425	386805	-91101.1413		4748717.3170250766	39.52223798510304	-111.232626	418101.051411418	402413.1584969494	2984.438111444818	2914.708512712565	2889.75824542947	2888.76145842626	29.312165498122178	29.312165498122178
426	386806	-90401.1413		4748717.3170250766	39.52233761134209	-111.208683	418302.0416611074	402409.615	2960.10168711972	2918.651057160672	2887.242201154506	2887.242201154506	51.10902740522125	51.2929491089599
427	386807	-89781.1413		4748717.3170250766	39.5224379883028	-111.185346	418503.31631039	402405.54480751	2970.015064571716	2917.68328141716	2883.387204160939	2882.858374963827	63.85455768023712	64.80060907734332
428	386808	-89121.1413		4748717.3170250766	39.522494010009	-111.161889	418704.0214438776	402401.45087707	3018.42141775508	2916.892147526098	2839.301842638304	2837.814062371756	77.0978845392219	77.0978845392219
429	386809	-88461.1413		4748717.3170250766	39.5225603785145	-111.138433	418905.010412668	402397.40506488	3029.8059726254	2916.226103126824	2828.961167130187	2826.755422132316	87.2604413973968	89.4661809
430	386810	-87801.1413		4748717.3170250766	39.5226209384374	-111.114976	419106.000481848	402393.36376724	3041.207016172023	2915.65408326123	2837.76962805533	2836.770274265831	77.8844552	78.7837402901976
431	386811	-87141.1413		4748717.3170250766	39.52268997528	-111.091519	419308.9897464754	402389.273074473	3045.7989366881	2915.1526553734247	2848.62580683546	2848.415877857266	65.5273872896789	66.3876758815958
432	386812	-86461.1413		4748717.3170250766	39.52274054984	-111.069246	419507.7838316154	402385.19859072	3044.469581522035	2914.708512712565	2889.75824542947	2888.76145842626	55.71168517075497	56.71168517075497
433	386813	-85821.1413		4748717.3170250766	39.5227902707252	-111.044665	419703.7677482313	402381.3607403	3041.17624938102515	2913.7519077186275	2887.25748647978	2886.75824542947	46.046821234574	46.046821234574
434	386814	-85161.1413		4748717.3170250766	39.522854231362	-111.021148	419909.954854967	402377.06174567	3038.8447197242	2913.920807538953	2876.455576680123	2876.963780162474	47.4724920858305	36.95528951423956
435	386815	-84501.1413		4748717.3170250766	39.5229166727222	-111.009762	420110.9450482682	402372.99373517	3033.061242972629	2913.574265134706	2884.8313929128826	2885.254760184904	27.25465290726333	28.91598315301947
436	386816	-83841.1413		4748717.3170250766	39.522974468943	-111.007423	420311.9334356473	402368.95292426	3041.706666707977	2913.23761601512	2883.08053007174	2893.366228147635	20.1507683491396	19.869308705486
437	386817	-83181.1413		4748717.3170250766	39.52303181197924	-111.095078	420512.9614826083	402364.858	3044.353661330624	2912.9135661330624	2901.254163678755	2891.254163678755	11.65940245389664	11.65940245389664
438	386818	-82521.1413		4748717.3170250766	39.52308701197545	-111.050732	420713.90368615725	402360.791071698	3046.9951471170943	2912.591494789598	2908.76048939525	2910.22764753474	1.822471668024256	2.3642981271882322
439	386819	-81861.1413		4748717.3170250766	39.52314011219785	-111.023626	420914.954854967	402356.7328256	3044.78938545816	2914.603413147189	2908.76145842626	2908.76145842626	29.312165498122178	29.312165498122178
440	386820	-81201.1413		4748717.3170250766	39.52320112197545	-111.008007	421115.88239048	402352.657	3027.774594947	2911.94502760203	2927.5757943007	2882.1180074515823	0	0
441	386821	-80541.1413		4748717.3170250766	39.523256652698	-111.085695	421316.872473977	402349.64006006	3030.66561150837	2911.6319731835247	2935.4450864332484	2936.369641695714	0	0
442	386822	-79881.1413		4748717.3170250766	39.5233117293785	-111.083344	421517.86009596335	402345.524056582	3022.603771	2911.38124235815				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevKgr.f	BRrElevBothKgr.f	SatThKgr.f	SatThBoth.f
528	388903	-26421.14133		1478173.1710250766	39.5262679374003	-00.8933478	337797.2767648425	4402015.938186993	300.367084188482	3557.136748371366	2826.6393991145295	2826.894638085852	28.240722260716	28.24210825124662
528	388904	-25761.14133		1478173.1710250766	39.5262685930009	-00.891021	33809.25695595322	4001.891326299	302.344917329153	2852.369875820173	2824.602831737314	2824.59116808275	27.76704421346966	27.76704421346966
528	388905	-1191.14133		1478173.1710250766	39.52626933154099	-00.888654	33819.241985502	4002.07840703278	3016.337550469903	2831.9678323	2829.442308368477	2821.340358514368	28.16142213010124	28.20225687828497
528	388906	-24441.14133		1478173.1710250766	39.5262303246275	-00.8863107	33840.190320346275	4402003.98317942	300.3293536126157	2866.67408277766	2816.634135654535	2816.599054154764	30.03615406324177	30.07140668230022
527	388907	-23781.14133		1478173.1710250766	39.5262368806531	-00.883965	33861.1709987027	4401999.575120281	300.14278313087846	2843.764951326201	2810.594884025621	2810.530579172623	33.17006730057983	33.23427315366853
528	388908	-23121.14133		1478173.1710250766	39.526253208348736	-00.8816193	338802.14416161834	4401996.706262085	3000.7432435644114	2840.835138079876	2803.6831157713054	2803.567756897026	37.152022308481264	37.23738390840104
529	388909	-22661.14133		1478173.1710250766	39.5262368831299	-00.8792736	33903.1177177599	4401991.660878747	2997.38658528087368	2837.887028153654	2796.225821542026	2796.000821366544	41.68147172174625	41.886421888033055
530	388910	-21801.14133		1478173.1710250766	39.5262383925075	-00.8769279	339024.0900370034	4401987.611513255	2993.974080075665	2834.96265045972	2788.5421003544006	2784.181790878752	46.78581470780235	46.78581470780235
531	388911	-21141.14133		1478173.1710250766	39.52623987283895	-00.8745623	339405.06273420504	4401983.569956201	2984.335571800813	2831.9678323	2787.948439839368	2781.340358514368	50.69715492571478	50.69715492571478
533	388912	-20461.14133		1478173.1710250766	39.5264128623071	-00.8722565	339606.0352794007	4401979.52496775	2968.4431669891873	2826.002453710646	2780.197130957653	2779.14012567365	48.7540623350174	48.74242187
533	388913	-19821.14133		1478173.1710250766	39.5264269978265	-00.8698908	339807.00766974054	4401972.840274292	2952.5507621879933	2826.004147243647	2780.675779676591	2780.5006719672315	45.3223504775661	45.503342675711616
534	388914	-19161.14133		1478173.1710250766	39.5264040034665	-00.8675451	34007.97990518337	4401973.457390782	2936.658357817993	2823.0241945706603	2781.10570993771	2781.110562737148	41.918484632945365	41.9131293
535	388915	-18501.14133		1478173.1710250766	39.526453139582	-00.8651994	340208.95198601485	4401967.391544192	2929.174109718741	2820.044952785524	2781.367160845915	2781.341536195135	38.67779194003242	38.70341659038877
536	388916	-17841.14133		1478173.1710250766	39.5264654912583	-00.8628537	340409.9231244974	4401963.348	2930.0980191988206	2817.067862561942	2781.321550101283	2781.1836607873496	35.7463126540913	35.8842019684863
537	388917	-17181.14133		1478173.1710250766	39.5264775153664	-00.8605079	340610.895846848	4401959.30376396	2931.0219286198983	2814.0941698905887	2781.0025293154295	2780.69431735753	33.0916057515727	33.99826275178943
538	388918	-16521.14133		1478173.1710250766	39.5264890620245	-00.8581622	340811.9673029302	4401955.26022996	2931.945638158078	2811.124453060014	2780.733883085107	2780.17703184746	30.3310653	30.94739042126755
539	388919	-15861.14133		1478173.1710250766	39.52650020406065	-00.8558165	341012.8387679163	4401951.21683705	2932.198227640306	2808.160352936825	2781.414893	2780.8219014745996	26.75454972095257	27.3384510882926
540	388920	-15201.14133		1478173.1710250766	39.5265106853895	-00.8534708	341213.8180782756	4401947.137850706	2937.69032123064	2805.20394552661	2789.840204308496	2791.0584405426594	15.36374244164652	14.1474994996667
541	388921	-14541.14133		1478173.1710250766	39.5265211	-00.8511251	341414.78123578866	4401943.13105386	2937.883116085716	2802.256079404509	2794.463695868285	2795.66804838204	7.92833715232775	6.58803122504765
542	388922	-13881.14133		1478173.1710250766	39.526530380274	-00.8487794	341615.7522401352	4401939.018407252	2968.073910654897	2799.3174831119304	2798.302661430382	2798.06602462314	10.81216815455268	10.84500616187805
543	388923	-13221.14133		1478173.1710250766	39.526540142983	-00.8464337	341816.7239152305	4401935.046124181	2972.291366247435	2796.38713351379	2820.06246207193303	2802.987794942622	0	0
544	388924	-12561.14133		1478173.1710250766	39.5265489947478	-00.844048	34201.6937901577	4401931.00415638	2970.3219813005135	2793.485525267506	2804.10212389209	2804.96716612627	0	0
545	388925	-1191.14133		1478173.1710250766	39.5265633482229	-00.8417423	34226.45419550984	4401927.43942926	2973.92847472703	2792.2111606291564	2783.326471742934	2803.02308369593	0	0
546	388926	-11241.14133		1478173.1710250766	39.526565337037	-00.8393968	342419.6348	4401922.90591078	2966.526715261544	2787.65575305344	2800.15174444134	2800.6282074389026	0	0
547	388927	-10581.14133		1478173.1710250766	39.5265723089164	-00.8370509	342620.60507150827	4401918.079113058	2968.7408831719408	2784.764655882831	2797.242415741669	2797.73471788986	0	0
548	388928	-9921.141327		1478173.1710250766	39.5265796898873	-00.8347052	342821.5756119233	4401914.873654529	2946.132901850443	2791.88477791198	2794.241506162724	2795.245734861534	0	0
549	388929	-9261.141327		1478173.1710250766	39.5265844556908	-00.8323595	343022.54509915406	4401910.797033479	2933.166570582948	2790.916859708228	2791.8444609511726	2792.941301344308	0	0
550	388930	-8601.141327		1478173.1710250766	39.5265926	-00.8300137	343223.514885609	4401906.765349903	2920.2062393115452	2776.1627334071823	2789.6473206340077	2790.931051730883	0	0
551	388931	-7941.141327		1478173.1710250766	39.5265986677215	-00.8276768	343424.465027984	4401902.51893706	2918.242898857646	2775.32647472703	2787.9216942	2789.339291796886	0	0
552	388932	-7281.141327		1478173.1710250766	39.5266033482229	-00.8254423	343625.4547699142	4401908.675699142	2917.300548691798	2777.249516277572	2787.927797465919	2787.927797465919	0	0
553	388933	-6621.141327		1478173.1710250766	39.5266062698325	-00.8229768	343826.42337390567	4401894.635723331	2926.351198562431	2767.69740703174	2785.1286555920005	2786.816452414975	0	0
554	388934	-5961.141327		1478173.1710250766	39.5266125682615	-00.8206309	344027.3925203485	4401890.59990164	2931.401848514697	2764.9101263221787	2784.2506749370011	2785.139909309	0	0
555	388935	-5301.141327		1478173.1710250766	39.526616434765	-00.8182852	344228.36155230604	4401886.55493822	2934.82729634424	2762.1400055125887	2783.5956950309214	2785.17368599324	0	0
556	388936	-4641.141327		1478173.1710250766	39.5266193	-00.8159395	344429.3304339627	4401882.517234903	2936.627192159715937	2759.3875969631	2783.026450908345	2784.4221071238795	0	0
557	388937	-3981.141327		1478173.1710250766	39.526622774	-00.8135938	344630.299165924	4401878.478213397	2938.427564028767	2756.653519641213	2782.844620363572	2783.88572686824	0	0
558	388938	-3321.141327		1478173.1710250766	39.526625342753	-00.8112411	344834.846765598	4401874.43942926	2940.2211606291564	2754.32647472703	2782.111606291564	2783.15020921684	0	0
559	388939	-2661.141327		1478173.1710250766	39.5266277	-00.8089024	345032.2361794107	4401870.408082587	2937.969461	2751.246003824037	2781.385173216251	2782.9590949002	0	0
560	388940	-2001.141327		1478173.1710250766	39.5266289884644	-00.8065567	345233.2044620316	4401866.362572363	2931.6524983809322	2748.5667410284173	2780.2918914283673	2780.971589152544	0	0
561	388941	-1341.141327		1478173.1710250766	39.526630136348	-00.804211	345434.12759541274	4401862.324501318	2925.33555345474	2745.9131022	2778.631277463176	2779.331327	0	0
562	388942	-681.1413269		1478173.1710250766	39.5266308	-00.8018652	345635.1405794704	4401858.28666742	2919.018577028165	2743.274781795902	2779.90283343916	2777.55734658302	0	0
563	388943	-21.14132693		1478173.1710250766	39.5266311	-00.7995195	345836.1084512467	4401850.249096925	2916.7582149348395	2740.6580737366585	2774.5021371546035	2775.088112077661	0	0
564	388944	658.85867303514		1478173.1710250766	39.5266305958626	-00.7971738	346037.0761	4401850.21709599	2918.53626236588	2738.06117621299	2771.3485233832	2771.7946264064	0	0
565	388945	1328.85867303514		1478173.1710250766	39.5266305958626	-00.7954193	346238.1748971311	4401846.71095998	2916.7582149348395	2738.06117621299	2771.3485233832	2771.7946264064	0	0
566	388946	1938.85867303514		1478173.1710250766	39.5266305958626	-00.7937484	346439.0170103785	4401842.173101943	2912.10615684099	2732.90539520337	2767.8905140204914	2764.650304147985	0	0
567	388947	2618.85867303514		1478173.1710250766	39.5266275	-00.7901367	346639.9782730036	4401838.101054043	2911.36471022848	2730.3862509834703	2758.8472113303012	2759.363234859457	0	0
568	388948	3278.85867303514		1478173.1710250766	39.5266255	-00.787791	346840.94536741474	4401830.06464325	2910.673658417252	2755.249328036275	2755.650281052398	2755.650281052398	0	0
569	388949	3938.85867303514		1478173.1710250766	39.526623014024	-00.7854453	347041.91231426227	4401820.40247029	2911.64168954002	2752.870960328254	2752.02292420218	2752.39106713875	0	0
570	388950	4598.8586730351		1478173.1710250766	39.526620701699	-00.7830996	347242.8719136406	4401815.92534335	2914.5168695402	2752.870				

id	lat	lon	X.N	Y.N	Latitude	Longitude	UTM.X	UTM.Y	SurfElev	W.Lt	BREVELogKg.kg	BREVEOrthLog.kg	SatThLog.s	SatThBoth.f
649	38	270252	7539.85867/7335	7418713/310250766	75.3249564173428	-105.7897789	36133.818083	4011507.902699071	2629.03486211578	2585.1146676836406	2598.558177411552	2609.0784223178107	0	0
650	388	287030	7539.85867/7335	7418713/310250766	75.3249172	-105.954432	36333.763968987	4011503.88571821	2637.97968586928	2584.4690242580618	2591.482641025474	2591.8815527442744	0	0
651	388	287031	5809.85867/7335	7418713/310250766	75.324877911221	-105.930976	36320.791541378	4011499.68978407	2629.93085	2583.9524919287124	2594.64129109588307	2594.837917830883	0	0
652	388	287032	5817.85867/7335	7418713/310250766	75.324847892827	-105.9007519	36372.17642878623	4011496.852466424	2636.29309158904	2583.950482	2600.507620486144	2600.7523752908713	0	0
653	388	287033	5826.85867/7335	7418713/310250766	75.324838249971466	-105.888824	36382.4897210978286	4011493.7620919286	2645.5898147019286	2583.950482	2600.507620486144	2600.7523752908713	0	0
654	388	287034	6003.85867/7335	7418713/310250766	75.3247559526785	-105.866075	364123.585734259	4011487.20160804	2658.898513781855731	2583.950482	2600.7523752908713	2600.7523752908713	0	0
655	388	287035	6069.85867/7335	7418713/310250766	75.324751450016141	-105.8371748	364324.50349184225	4011483.804	2670.974703489216	2583.69891104029	2623.9427151742474	2623.9427151742474	0	0
656	388	287036	6134.85867/7335	7418713/310250766	75.32462745947682	-105.813961	364525.495286584	4011479.789	2688.8325490448584	2583.9629026782	2636.7555049448584	2636.05888114784	0	0
657	388	287037	6201.85867/7335	7418713/310250766	75.3246303539165	-105.790234	364726.5400518674	4011475.73746408	2706.6768262049	2584.51382036683	2637.94272926214	2637.94272926214	0	0
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659	388	287039	6338.85867/7335	7418713/310250766	75.3245444	-105.74382	365128.3591948707	4011467.73363064	2738.88716781986	2585.96475420968	2638.298159	2638.29856276427	0	0
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661	388	287041	6458.85867/7335	7418713/310250766	75.32445426870376	-105.693406	365530.276225051	4011459.73363064	2783.5576968368	2587.769372309385	2639.65263315827	2639.65263315827	0	0
662	388	287042	6513.85867/7335	7418713/310250766	75.3244116439264	-105.662949	365734.221943572	4011455.70390242	2786.392939635305	2587.769372309385	2639.65263315827	2639.65263315827	0	0
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664	388	287044	6628.85867/7335	7418713/310250766	75.324321034085	-105.626035	366133.12980124203	4011447.6732722325	2790.45782826193	2590.93533965485	2639.730088	2639.730088	0	0
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668	388	287048	6927.85867/7335	7418713/310250766	75.324173438325	-105.532207	366936.934849476	4011431.62010515	2830.763120106964	2595.6478353912216	2639.11023102373	2639.1185433474	0	0
669	388	287049	6983.85867/7335	7418713/310250766	75.324106865112974	-105.508571	367137.8927123038	4011427.68022645	2846.70363568232	2596.80524056503	2629.9646752679263	2640.7885548894	0	0
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674	388	287054	7328.85867/7335	7418713/310250766	75.32384079794396	-105.391468	368128.161553701	4011407.549129702	2749.055165758263	2602.25345687020	2604.74172539077	2605.5779057635	0	0
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676	388	287056	7458.85867/7335	7418713/310250766	75.32373831233095	-105.344452	368544.5664	4011399.52722306	2757.075997392635	2605.87801963294	2608.11519403424	2608.61246971184	0	0
677	388	287057	7521.85867/7335	7418713/310250766	75.323688789748	-105.321095	368745.5185879434	4011395.51661526	2745.583645608463	2607.1903911489	2610.404029	2610.836404514824	0	0
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693	388	287074	8658.85867/7335	7418713/310250766	75.322764783377	-104.962757	372232.9763432176	4011327.30519276	2722.415794520213	2627.50874034824	2618.373131559874	2618.373131559874	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVatKgr.ft	BRELEVatKgr.ft	SatHtElevKgr.ft	SatHtBoth.ft
35	389	287155	-348501.1413	1048477.3170250766	38.74815841	-102.0380125	239703.5282210869	4404220.677941346	3717.6468436800486	3506.274123846386	3474.656908	3474.624258910403	32.068043723698184	32.09984639598308
36	389	287156	-347641.1413	1048477.3170250766	38.74816232003432	-102.0359671	239904.6028321218	4404216.513865127	3713.7779119814955	3505.0314460494945	3474.314590636956	3474.29950240939224	30.717250012590224	30.731920158023048
37	389	287157	-347181.1413	1048477.3170250766	38.748206160594225	-102.0333214	240105.67718614492	4404212.350930651	3709.299680102504	3503.344157268584	3473.7890924718185	3473.789251454422	29.58316479873987	29.592523113717573
38	389	287158	-346521.1413	1048477.3170250766	38.74823	-102.0309764	240306.7512827900	440400.6482571905	3706.0046823571	3501.65819336034	3472.8892108369526	3472.877017223965	28.7689250077126	28.78171167378034
39	389	287159	-345861.1413	1048477.3170250766	38.748253756615495	-102.0286311	240507.852124566	4404204.035967683	3705.86380074194	3499.9664017465804	3471.3961562182285	3471.552840688081	28.57225625823214	28.41556105849696
40	389	287160	-345201.1413	1048477.3170250766	38.74827776	-102.0262857	240708.89870535114	440401.828688733	3708.270637438917	3499.073456719947	3469.670933773547	3469.812746277766	28.89259331373743	28.4584274615462
41	389	287161	-344541.1413	1048477.3170250766	38.7483011694553	-102.0239403	240909.972	440410.9569710989	3710.46569710989	3496.560322578753	3467.740972672803	3467.93224857071	28.81225311472816	28.6670972167178
42	389	287162	-343881.1413	1048477.3170250766	38.748324803412956	-102.02195	241111.0451016451	4404191.334	3716.017627398474	3494.8317435445683	3465.830902470494	3465.847194418796	28.9174591841893	28.98439192667228
43	389	287163	-343221.1413	1048477.3170250766	38.74834836261835	-102.019496	241305.67718614492	4404212.350930651	3717.41107954213	3495.077654986834	3465.830902470494	3465.847194418796	29.222871749833	29.2358312400399
44	389	287164	-342561.1413	1048477.3170250766	38.7483719504042	-102.0169042	241513.1047332963	440418.209567401	3715.879550552715	3491.28990552715	3461.9042754125967	3461.913345400919	29.3855314001843	29.41556105849696
45	389	287165	-341901.1413	1048477.3170250766	38.7483953433436	-102.0145588	241714.2627746087	4404190.805667519	3718.310334558157	3489.643119942785	3460.001524014697	3460.0095283683014	29.453267575671905	29.453267575671905
46	389	287166	-341241.1413	1048477.3170250766	38.748418866157715	-102.0121235	241915.3342205748	4404174.8863247	3718.86601430126	3487.5928562660406	3458.0951374889105	3458.213300372306	29.47917177130103	29.517559589098
47	389	287167	-340581.1413	1048477.3170250766	38.748422493357243	-102.009881	242116.4068133287	4404170.724799349	3708.85548312442	3485.678725140367	3456.27938384145	3456.25179330173743	29.3993412592745703	29.36415478557803
48	389	287168	-339921.1413	1048477.3170250766	38.748465565578494	-102.0075227	242317.481494802	440416.56380411	3712.35648424011	3483.724729164273	3454.4725873079146	3452.5377200909276	29.25214185635832	29.18700825006276
49	389	287169	-339261.1413	1048477.3170250766	38.74848897247579	-102.0051773	242518.5484307187	4404162.402269692	3698.854704162278	3481.738357004798	3452.6594901598113	3452.639459868672	29.09876743812631	29.09876743812631
50	389	287170	-338601.1413	1048477.3170250766	38.7485123436434	-102.002832	242719.62045725016	4404158.24177441	3689.33836076443	3479.729009756013	3450.7487120811095	3450.6783394238374	29.980297604971796	29.052670332243906
51	389	287171	-337941.1413	1048477.3170250766	38.748535470144084	-102.000486	242920.8912258352	4404154.81726558	3688.667057945102	3477.7065037574675	3448.6052548275443	3448.62144693753	29.0124892992326	29.052670332243906
52	389	287172	-337281.1413	1048477.3170250766	38.74855805101496	-101.9981412	243121.761740234	4404149.051175305	3684.782623094518	3475.86112450734	3446.159740567395	3446.10989393959	29.5126783333213	29.16820810674492
53	389	287173	-336621.1413	1048477.3170250766	38.74858176657695	-101.9957598	243322.8302106779	4404145.762	3683.884901736501	3473.6629917763304	3443.1925161178565	3443.0047137446644	29.4704565845287	29.06378703164494
54	389	287174	-335961.1413	1048477.3170250766	38.74860487682997	-101.9934504	243523.90202045045	4404141.60123669	3683.0814275175862	3471.657241631401	3439.570214	3439.34194534705	32.0870278000119	32.2210470936614
55	389	287175	-335301.1413	1048477.3170250766	38.74862792	-101.991105	243724.971291641	4404137.424233928	3682.55826432246	3469.67016638559	3435.4125292461235	3435.267697987504	32.425783144936325	32.404199587808354
56	389	287176	-334641.1413	1048477.3170250766	38.74865052140899	-101.9887598	243926.04177951874	4404133.26306448	3688.805320355422	3467.70728347237	3430.70728347237	3430.70728347237	32.45629864518967	36.94913447368708
57	389	287177	-333981.1413	1048477.3170250766	38.7486731572481	-101.9864314	244127.1103658912	4404129.124635892	3687.49740363535	3465.826463920514	3428.13534147672	3428.13534147672	32.480115354147672	32.5108534
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59	389	287179	-332661.1413	1048477.3170250766	38.7487196485929	-101.9817235	244529.248268357	4404120.806817616	3644.3984059706713	3461.988234292798	3420.212756430153	3420.136472331096	41.817580359688264	41.817580359688264
60	389	287180	-332001.1413	1048477.3170250766	38.748742466857685	-101.9793781	244730.3167591937	4404116.468451515	3641.477381348804	3460.144477	3418.7110815439487	3418.858971381817	41.43339505841196	41.2850570656417
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62	389	287182	-330681.1413	1048477.3170250766	38.7487879772966	-101.9746873	245132.4529837267	4404108.32712929	3638.6331809971216	3456.2651183242615	3417.422634711073	3417.5737306	39.1394863114351	39.98908217680828
63	389	287183	-330021.1413	1048477.3170250766	38.748819650197136	-101.9723418	245333.5207179268	4404104.17561145	3637.782769826358	3454.226463920514	3416.75833433	3416.75833433	37.798383798825	37.798383798825
64	389	287184	-329361.1413	1048477.3170250766	38.748842332576	-101.9699598	245534.380332576	4404101.7850908	3637.49740363535	3453.10411411028	3416.367690773523	3416.367690773523	36.917193545429	36.917193545429
65	389	287185	-328701.1413	1048477.3170250766	38.74885587029087	-101.9676511	245735.6554310005	4404095.86072206	3636.776877805856	3451.474122615326	3414.5422744	3414.54226455338	36.763832834539	36.32871707985405
66	389	287186	-328041.1413	1048477.3170250766	38.74887842572054	-101.9653207	245936.724104367	4404091.703950375	3632.121775067043	3449.8607234216083	3414.226463920514	3414.226463920514	36.3606186195429	36.7363174529678
67	389	287187	-327381.1413	1048477.3170250766	38.74890092698469	-101.9629603	246137.7891384504	4404087.547369389	3632.228813123787	3448.289723887067	3412.8295724317236	3412.740763159315	35.4601545534329	35.54896307074741
68	389	287188	-326721.1413	1048477.3170250766	38.7489233290777	-101.9606149	246338.8556154514	4404083.391025258	3647.31578902744	3446.762087512953	3411.2950178529672	3411.246549217202	35.516293832076	35.516293832076
69	389	287189	-326061.1413	1048477.3170250766	38.74894657932124	-101.9582994	246539.9218421077	4404079.23482535	3642.402764931053	3445.289062619206	3408.743891769602	3408.68619384017	35.70310292312843	35.5947082190315
70	389	287190	-325401.1413	1048477.3170250766	38.748969194507879	-101.955924	246740.9871762025	4404074.124635892	3641.49740363535	3443.841194876336	3408.156270516336	3408.156270516336	35.718971760001	35.718971760001
71	389	287191	-324741.1413	1048477.3170250766	38.748990478819174	-101.9535786	246942.0534252628	4404070.92341887	3640.543268579053	3442.455466397576	3406.526899197871	3406.526899197871	35.9086114287601	35.92507807055717
72	389	287192	-324081.1413	1048477.3170250766	38.74901725303535	-101.9512332	247143.1190185303	4404066.782607747	3620.9632161896197	3441.102827511538	3404.8517419199575	3404.8517419199575	35.2018597140445	36.2573109679565
73	389	287193	-323421.1413	1048477.3170250766	38.74903438	-101.9488878	247344.1842383538	4404062.619637082	3611.583207791733	3439.79083755547	3403.063624750943	3403.145167425966	36.727021025846	36.46528254
74	389	287194	-322761.1413	1048477.3170250766	38.749057166963875	-101.9465424	247545.24931937628	4404058.45082927	3602.201393938544	3438.512095466124	3401.160417885292	3401.160417885292	35.73189161320224	37.0868067804974
75	389	287195	-322101.1413	1048477.3170250766	38.74907935070873	-101.944197	247746.3140451051	4404054.303376102	3595.7139734945414	3439.382724934028	3399.382724934028	3399.382724934028	37.8775113946258	37.52504058370164
76	389	287196	-321441.1413	1048477.3170250766	38.749101355011387	-101.9418185	247947.37852211148	4404050.14896336	3592.11454141405	3436.0241645110214	3397.792717416161	3397.792717416161	37.7345769053574	37.779859704547
77	389	287197	-320781.1413	1048477.3170250766	38.74912345011367	-101.9391607	248149.455011367	4404046.84936348	3588.594176898026	3434.589714289909	3400.589714289909	3400.589714289909	37.8775113946258	37.8775113946258
78	389	287198	-320121.1413	1048477.3170250766	38.74914545011367	-101.9371607	248349.5078233898	4404041.8496336	3584.913637373004	3432.51687808026	3406.543268579053	3406.54		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRrElevLogKrg.ft	BRrElevLogKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
161	389	287281	-265341.1413	1048477.3170250766	39.5081372990275	-101.7424861	265036.96982514707	40403697.950666228	3204.091114026968	3326.488615316316	3284.3696577452174	3284.512828303566	32.11896577109869	51.9757868959593
162	389	287282	-264681.1413	1048477.3170250766	39.5081372990275	-101.7401405	265238.0136320008	40403697.71991763	3414.928243	3335.69437072653	3283.025960583573	3283.244796402802	32.44984274646336	52.44984274646336
163	389	287283	-264021.1413	1048477.3170250766	39.5080675076184	-101.7237196	265459.2672074553	40403698.53859108	3426.30427738163	3324.841937705163	3281.8242576734036	3281.954738751476	32.50514738751476	52.50514738751476
164	389	287284	-263631.1413	1048477.3170250766	39.5080818385899	-101.7345405	265640.1055182816	40403695.500	3438.219222410186	3304.0564049	3280.835902207107	3281.14809430062587	32.52007068112965	52.90831497469344
165	389	287285	-262701.1413	1048477.3170250766	39.50808624458703	-101.7331039	265841.14366521570	40403681.372412115	3450.13416576222	3332.2183687149497	3279.8983624603975	3280.400668127895	32.53172642555216	52.81771858750415
166	389	287286	-262041.1413	1048477.3170250766	39.50904259974625	-101.7307584	266042.1865476184	40403677.23910752	3462.049190125659	3326.36779040432	3278.6764492419356	3279.093807644410	32.5369023798493718	53.22790396745216
167	389	287287	-261381.1413	1048477.3170250766	39.5092223004875	-101.7284129	266243.2291999712	40403673.107231474	3470.373650423642	3331.501692540460945	3278.891290916557	3277.1844720759997	32.54779237434878	54.31740483809484
168	389	287288	-260721.1413	1048477.3170250766	39.50940154850939	-101.7260673	266444.2716217517	40403687.95	3475.10715411648	3303.622941654549	3274.5473022106533	3274.6958036934348	32.56076393482358	55.927193727042105
169	389	287289	-260061.1413	1048477.3170250766	39.50958057822184	-101.7237196	266645.31381341023	40403684.83012835	3478.841851983625	3328.799923270323	3271.7697552272393	3271.77404781462	32.56997686529293	57.86547644357007
170	389	287290	-259401.1413	1048477.3170250766	39.509759839006	-101.7237196	266846.357751514	40403670.11	3484.5759045407374	3328.97154037572	3269.91502414712	3270.37852705927	32.580311890367	58.69035095516901
171	389	287291	-258741.1413	1048477.3170250766	39.5093936	-101.7190307	267047.3975071842	40403656.57975237	3486.618987509783	3328.203738002927	3267.846281048687	3268.931464139213	32.5935195423006	59.301408700136
172	389	287292	-258081.1413	1048477.3170250766	39.5101140071635	-101.7166852	267248.4300971336	40403652.48490563	3485.970331484916	3327.4007322006887	3265.623423987265	3265.5045867435	32.617730821342357	60.0502737325356
173	389	287293	-257421.1413	1048477.3170250766	39.5102908908994	-101.7143396	267449.480282946	40403671.4446622	3488.32287891153	3326.579028284213	3264.300414939392	3266.34025511025	32.627841334020475	60.578320138728
174	389	287294	-256761.1413	1048477.3170250766	39.5104765178796	-101.7119941	267650.5213270887	40403644.18669413	3484.674424272853	3323.73815672601	3262.5536024203525	3262.593098946607	32.631842132254835	60.7900582799046
175	389	287295	-256101.1413	1048477.3170250766	39.51064359353165	-101.7094848	267851.5621423486	40403640.66134923	3483.741958974827	3324.8770571554014	3261.2775375025926	3264.293750263426	32.6399519652808794	60.9373173909885
176	389	287296	-255441.1413	1048477.3170250766	39.5108192160483	-101.707303	268052.00272893106	40403635.925831151	3482.5242824307393	3323.907505819174	3260.333116700514	3263.4182437366704	32.64638385767732	60.5787682151189
177	389	287297	-254781.1413	1048477.3170250766	39.51094938542276	-101.7049574	268253.6430874027	40403631.79670805	3481.306605856048	3323.09814290398	3259.5038398735273	3263.094644115205	32.65943030380615	60.690448870292
178	389	287298	-254121.1413	1048477.3170250766	39.51111691	-101.7026119	268454.6831690575	40403627.665495179	3480.089253425626	3322.1811830247025	3258.83060060698	3262.5270196470254	32.66530002783211	60.930002407783211
179	389	287299	-253461.1413	1048477.3170250766	39.511343364702	-101.7002663	268655.721188802	40403623.53636402	3481.573530953019	3321.246966	3258.1446948438465	3261.4846458145666	32.671022677	59.7623204045331
180	389	287300	-252801.1413	1048477.3170250766	39.5115117476206	-101.6979208	268856.762796196	40403619.40720303	3482.652417018021	3320.2963826618097	3257.365085313899	3260.7293399578	32.68129734791091	59.5678026223155
181	389	287301	-252141.1413	1048477.3170250766	39.511690531544	-101.6955752	269057.8023891546	40403615.72973027	3484.7672908402333	3319.301752525945	3256.76020180978	3262.377043140728	32.69697344282627	59.05684379321661
182	389	287302	-251481.1413	1048477.3170250766	39.5118634352217	-101.6932297	269258.8144577716	40403611.14993934	3500.8521704200254	3318.3495286397357	3258.372277011605	3262.372277011605	32.70597453955619	59.9770453955619
183	389	287303	-250821.1413	1048477.3170250766	39.51203687632	-101.6910812	269459.3674243514	40403607.23694761	3502.9521489937	3317.3249749378134	3257.2589259544	3262.372277011605	32.71538324	60.7876438
184	389	287304	-250161.1413	1048477.3170250766	39.5122078316466	-101.6885396	269660.9192139895	40403602.86	3508.54279039556	3316.35422211391	3255.22339529395	3256.105884478103	32.711032968101	60.25083376400971
185	389	287305	-249501.1413	1048477.3170250766	39.512394742485	-101.686193	269861.9575717803	40403598.764	3511.614230798686	3315.352207863256	3254.11297547943	3254.621253082852	32.7236251792527	60.723661792527
186	389	287306	-248841.1413	1048477.3170250766	39.5125505185437	-101.6838474	270062.996029519	40403594.6301054	3514.68017191903	3314.32916087116	3252.942480785256	3252.12717632342	32.7368608186005	60.2219814387287
187	389	287307	-248181.1413	1048477.3170250766	39.512711565212	-101.6815910	270264.0341471762	40403590.508	3517.383252910183	3313.3673468013	3251.692355299015	3249.22955551023	32.7419393104616	60.4777190778002
188	389	287308	-247521.1413	1048477.3170250766	39.5128913413571	-101.6791563	270465.070206263	40403586.381	3519.7206840950275	3312.2763081154467	3250.433820770413	3248.614853107781	32.748302400536	60.61545501
189	389	287309	-246861.1413	1048477.3170250766	39.51306397350515	-101.6769319	270666.1986389577	40403582.3938677	3524.3557444273885	3311.237491783213	3248.3172761689758	3247.509155451275	32.7548915537322	60.7548915537322
190	389	287310	-246201.1413	1048477.3170250766	39.5132359216435	-101.6744652	270867.1740554449	40403578.12649112	3524.39392718184	3310.1906195307197	3248.043850217924	3247.843850217924	32.76195271924	60.5467654354969
191	389	287311	-245541.1413	1048477.3170250766	39.5133991770111	-101.6721196	271068.1842268526	40403574.00011515	3526.350661124339	3309.136131738349	3246.981930537964	3247.823489393645	32.76195271924	60.71312643989446
192	389	287312	-244881.1413	1048477.3170250766	39.513567548276	-101.6697741	271269.2118268936	40403569.87301773	3528.0077214181296	3308.14809132186	3246.18409132186	3246.18409132186	32.76195271924	60.71312643989446
193	389	287313	-244221.1413	1048477.3170250766	39.5137353	-101.6674285	271470.259133588	40403565.7448887	3529.489321301697	3307.015087596944	3245.49794346267	3245.49794346267	32.76195271924	60.71312643989446
194	389	287314	-243561.1413	1048477.3170250766	39.513903343777	-101.6650829	271671.2941906686	40403561.62116779	3531.064961386737	3305.945422603495	3244.8323203773843	3243.8323203773843	32.76195271924	60.71312643989446
195	389	287315	-242901.1413	1048477.3170250766	39.5140699472122	-101.6627374	271872.300700025	40403557.49578138	3532.35679308799	3304.880126514664	3244.447756931328	3243.447756931328	32.76195271924	60.71312643989446
196	389	287316	-242241.1413	1048477.3170250766	39.5142365927463	-101.6603918	272073.367746325	40403553.3029461	3534.3557444273885	3303.80749270885	3244.3172761689758	3243.3172761689758	32.76195271924	60.71312643989446
197	389	287317	-241581.1413	1048477.3170250766	39.5144031344804	-101.6580462	272274.402858017	40403549.25	3535.35297918318	3302.728832711415	3244.3820931490843	3243.0208329313865	32.76195271924	60.71312643989446
198	389	287318	-240921.1413	1048477.3170250766	39.5145682664866	-101.6557007	272475.4381964437	40403545.12033566	3536.154362517	3301.645770205807	3244.81678283213	3240.894402615063	32.76195271924	60.71312643989446
199	389	287319	-240261.1413	1048477.3170250766	39.514733703384	-101.653551	272676.4735804466	40403540.9652419	3537.8292786836676	3300.56842594332	3245.378944655542	3242.2575014229634	32.76195271924	60.71312643989446
200	389	287320	-239601.1413	1048477.3170250766	39.51490021421345	-101.6510095	272877.5087407315	40403536.78735225	3539.467949052045	3299.461239004415	3255.58062001972	3244.68116158331	32.76195271924	60.71312643989446
201	389	287321	-238941.1413	1048477.3170250766	39.5150625	-101.6486939	273078.5437	40403532.76446844	3541.689541210422	3298.35099520515	3254.365363258693	3243.75225722586	32.76195271924	60.71312643989446
202	389	287322	-238281.1413	1048477.3170250766	39.5152365497518	-101.6463184	273279.578490931	40403528.62239632	3543.61796730879	3297.246548070394	3253.933627461193	3243.465486933959	32.76195271924	60.71312643989446
203	389	287323	-237621.1413	1048477.3170250766	39.5154031344804	-101.6441722	273481.684724312	40403524.30752274	3545.3640267067977	3296.196371987723	3253.933627461193	3243.465486933959	32.76195271924	60.71312643989446
204	389	287324	-236961.1413	1048477.3170250766	39.5155787126996	-101.6419272	273683.684724312	40403520.3752724	3547.3640267067977	3295.196371987723	3253.933627461193	3243.465486933959	32.76195271924	6

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Ln.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBoth.ft
287	289	287407	-182181.1413	1048477.3170250766	36.5274965371983	-101.4469409	900366.73462913914	4403178.956595454	3009.5389588007008	3179.2891147020787	3009.9050549137484	3091.274909706088	38.38300978833023	88.0150172600092
288	289	287408	-181521.1413	1048477.3170250766	36.52762146940052	-101.4444953	900567.7513104081	4403178.956595454	3008.3610324654454	3177.603231781642	3002.392928331854	3089.739261955556	38.0128044487863	87.8634159626067
289	289	287409	-180861.1413	1048477.3170250766	36.52774852236965	-101.4422486	900768.7673894655	4403178.956595454	3007.161176930434	3175.918623490598	3006.962779205496	3088.94233043681	38.026434304851	87.8634159626067
290	289	287410	-180021.1413	1048477.3170250766	36.527876078516845	-101.4390939	900969.7832572622	4403166.647135634	3006.055197139495	3174.232376	3008.650537765344	3084.60860172532	38.05222778850599	88.0150172600092
291	289	287411	-179541.1413	1048477.3170250766	36.5279932947957	-101.4375583	91170.7989231815	4403162.544662496	3004.94733835632	3172.534296544352	3008.501712410836	3079.457543187221	38.04019171335161	87.8634159626067
292	289	287412	-178881.1413	1048477.3170250766	36.52811631125155	-101.4352126	91317.8143843765	4403162.544662496	3002.6594857814484	3008.57218519324008	3074.40074181	3078.627802844852	38.04019171335161	87.8634159626067
293	289	287413	-178221.1413	1048477.3170250766	36.5282389545361	-101.4328867	91572.8286410494	4403154.338963258	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
294	289	287414	-177561.1413	1048477.3170250766	36.5283611046487	-101.4305213	91713.8446930367	4403154.338963258	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
295	289	287415	-176901.1413	1048477.3170250766	36.52848628015888	-101.4282756	919174.8595415547	4403146.1375691146	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
296	289	287416	-176241.1413	1048477.3170250766	36.528604	-101.42583	92171.7541860005	4403142.03495073	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
297	289	287417	-175581.1413	1048477.3170250766	36.52872343595254	-101.4234843	923276.888626503	4403134.338963258	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
298	289	287418	-174921.1413	1048477.3170250766	36.5288452	-101.4211387	925277.90263804	4403134.338963258	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
299	289	287419	-174261.1413	1048477.3170250766	36.5289655762486	-101.418793	927278.918697687	4403129.7317118645	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
300	289	287420	-173601.1413	1048477.3170250766	36.5290844887012	-101.4164473	929279.307284587	4403125.61198974	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
301	289	287421	-172941.1413	1048477.3170250766	36.5292033466039	-101.4141017	93180.84455641565	4403121.530921824	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
302	289	287422	-172281.1413	1048477.3170250766	36.52932119913331	-101.411756	93381.9571816808	4403117.430084184	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
303	289	287423	-171621.1413	1048477.3170250766	36.5294404062881	-101.4094103	93582.917	4403113.31090728	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
304	289	287424	-170961.1413	1048477.3170250766	36.5295576812691	-101.4070647	93783.9840250413	4403109.23154763	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
305	289	287425	-170301.1413	1048477.3170250766	36.5296764846757	-101.404719	93984.968435548	4403105.132	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
306	289	287426	-169641.1413	1048477.3170250766	36.52979155580745	-101.402373	94186.00946022675	4403101.0331419583	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
307	289	287427	-168981.1413	1048477.3170250766	36.5299078173645	-101.4000276	94387.021875679	4403096.934051033	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
308	289	287428	-168321.1413	1048477.3170250766	36.53002362304635	-101.397842	94588.0340888817	4403092.853707936	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
309	289	287429	-167661.1413	1048477.3170250766	36.53014971580234	-101.3954425	947462.1844512584	4403084.25823831985	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
310	289	287430	-167001.1413	1048477.3170250766	36.53020537848395	-101.3929096	94950.057126599	4403080.539223631	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
311	289	287431	-166341.1413	1048477.3170250766	36.53033683210391	-101.390645	95191.0695232444	4403080.539223631	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
312	289	287432	-165681.1413	1048477.3170250766	36.5304823140182	-101.388293	95392.0800329986	4403076.43715979	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
313	289	287433	-165021.1413	1048477.3170250766	36.53059658538212	-101.3859536	95593.0921429718	4403072.34631718	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
314	289	287434	-164361.1413	1048477.3170250766	36.5307089404017	-101.3836079	95794.7315218486	4403068.249157918	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
315	289	287435	-163701.1413	1048477.3170250766	36.53083821374977	-101.3813623	95995.1136915979	4403062.51283839	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
316	289	287436	-163041.1413	1048477.3170250766	36.53093375417	-101.378916	96196.1917124657	4403058.055583383	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
317	289	287437	-162381.1413	1048477.3170250766	36.5310454812664	-101.3765709	96397.1348613075	4403055.959118042	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
318	289	287438	-161721.1413	1048477.3170250766	36.5311565751852	-101.3742522	96598.1452	4403051.863	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
319	289	287439	-161061.1413	1048477.3170250766	36.5312675759263	-101.3718795	96799.155203562	4403047.7669517	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
320	289	287440	-160401.1413	1048477.3170250766	36.5313773434996	-101.3695339	97000.1650161679	4403043.67123435	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
321	289	287441	-159741.1413	1048477.3170250766	36.53148678767495	-101.3671862	97201.1704	4403039.57562575	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
322	289	287442	-159081.1413	1048477.3170250766	36.5315971580234	-101.3648425	97402.1844512584	4403035.40510295	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
323	289	287443	-158421.1413	1048477.3170250766	36.531706327111	-101.362468	97603.91625244	4403031.385074079	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
324	289	287444	-157761.1413	1048477.3170250766	36.53181488196105	-101.3601511	97804.2022812135	4403027.290744219	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
325	289	287445	-157101.1413	1048477.3170250766	36.53192836326	-101.3578055	98005.2110211662	4403023.196220515	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
326	289	287446	-156441.1413	1048477.3170250766	36.53200306321248	-101.3554598	98206.2197254085	4403019.107836315	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
327	289	287447	-155781.1413	1048477.3170250766	36.5321378	-101.3531411	98407.2281511423	4403015.91361758	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
328	289	287448	-155121.1413	1048477.3170250766	36.53224466759194	-101.350784	98608.23637568115	4403011.91486628	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
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330	289	287450	-153801.1413	1048477.3170250766	36.532456694298	-101.346077	99010.252453878	4403002.77119476	3000.822651772259	3006.6514878452494	3006.6514878452494	3074.40074181	38.04019171335161	87.8634159626067
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ix	iy	ic	X	Y	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogKrg	BRElevBothKrg	SatTh	SatThBoth	
413	389	287533	-90.221	141.33	1048477.3170250766	39.5369612601444	-101.1513829	116593.23674284527	4020663.815	290.709875832053	292.22469089096774	291.801291735016543	291.761063589697	21.21776598023098	22.4646545
414	389	287534	-90.361	141.33	1048477.3170250766	39.53739292816365	-101.1493072	115894.22875753626	4020659.742	290.759934508613	293.17195595988	291.8123093712074	291.72106336	24.3486622370056	25.070895473317775
415	389	287535	-90.701	141.33	1048477.3170250766	39.5383963429868	-101.1466914	11605.23696288654	4020655.69027938	290.854294777883	290.554294777883	290.854294777883	290.854294777883	26.0776412303272	26.0776412303272
416	389	287536	-90.7041	141.33	1048477.3170250766	39.5392963046527	-101.1443547	116296.21240300545	4020655.50627357	293.3704849058163	290.5456952203163	290.61302206545	28.50519728900217	29.474710271862023	
417	389	287537	-90.361	141.33	1048477.3170250766	39.5399296	-101.142	116467.2038962875	4020643.5237476025	296.390316234010557	293.10991624672755	290.606620433164	290.9057125010552	30.49255023269136	30.71743746572338
418	389	287538	-95.721	141.33	1048477.3170250766	39.539555683306	-101.1396542	116698.1592148076	4020645.16246635	295.4566855	2929.160856564474	2896.51584923205	289.367178050176	32.45003737	33.1913804876338
419	389	287539	-95.061	141.33	1048477.3170250766	39.540061073774	-101.1373085	116899.1868582456	4020639.397424453	2952.8960415900277	2927.2620205784497	2892.091480427255	289.1196571777827	35.17008095412799	36.065263040666392
420	389	287540	-94.041	141.33	1048477.3170250766	39.5401261192296	-101.1349628	11700.17731252336	4020635.307621405	2958.91911199727	2925.406177006613	2897.77502326537	2898.49849626037	37.63115338107582	38.9072874610599
421	389	287541	-93.741	141.33	1048477.3170250766	39.540197146896	-101.132617	117301.1689411487	4020631.236656402	2964.930761020243	2923.80036308152	2895.47809786634	2894.09117247416	38.12083694180795	39.5408693386353
422	389	287542	-93.081	141.33	1048477.3170250766	39.540254857748	-101.1302713	117502.1586977862	4020627.145730318	2970.961525303748	2921.855273821875	2896.117354447217	2896.428391517225	39.540254857748	40.254272363644967
423	389	287543	-90.221	141.33	1048477.3170250766	39.5403185461534	-101.1279256	117703.14912378844	4020623.094	2975.356161278406	2920.19401282924	2912.5438977803925	2915.540751384704	40.254272363644967	41.65236144473628
424	389	287544	-91.741	141.33	1048477.3170250766	39.5403817826871	-101.1255798	117904.1339722814	4020619.022794989	2978.123308545414	2918.647484216904	2908.4236512198313	2900.1280474065904	42.21483299707279	43.185436810313688
425	389	287545	-91.101	141.33	1048477.3170250766	39.540444565531	-101.1232341	118105.129443925	4020614.952185326	2980.890456430602	2917.258853047433	2883.97737376005	2890.73356578123	43.25501738862038	44.25501738862038
426	389	287546	-90.401	141.33	1048477.3170250766	39.540605895244	-101.1208883	118306.11933762324	4020610.88143838	2983.65106688803	2916.070924806262	2899.8100386629692	2899.8100386629692	44.2604541823884	45.2390549084164
427	389	287547	-89.781	141.33	1048477.3170250766	39.5405689717281	-101.118428	118507.109548926	4020606.81182166	2991.193302526963	2915.098407166997	2895.479136250978	2854.87766480639	45.2390549084164	46.2390549084164
428	389	287548	-89.121	141.33	1048477.3170250766	39.5406301507174	-101.1161969	118708.0985914715	4020602.17178954	3003.4915761466716	2914.31239670463	2891.074931134909	2830.76578705107	46.2390549084164	47.2390549084164
429	389	287549	-88.461	141.33	1048477.3170250766	39.5406918511026	-101.113851	118909.0879596067	4020596.627133939	3015.8010804657	2913.6703020818	2831.921313495036	2830.066897038715	47.4869867851425	48.30460232414637
430	389	287550	-87.801	141.33	1048477.3170250766	39.5407516820071	-101.1115054	119101.07714748563	4020594.602771714	3028.106045974647	2913.162224955874	2837.43217395874	2837.43217395874	48.74967953600075	49.75490121094473
431	389	287551	-87.141	141.33	1048477.3170250766	39.5408117457081	-101.1091596	119311.06615951576	4020590.53360257	3033.189894522296	2912.64797099876	2848.55082485966	2847.921862725867	49.071551030979	50.46726173317729
432	389	287552	-86.481	141.33	1048477.3170250766	39.5408713562125	-101.1068139	119510.25049534071	4020586.46041509	3035.05145399915	2912.2145254966325	2857.599346841983	2857.599346841983	50.46726173317729	51.46726173317729
433	389	287553	-85.821	141.33	1048477.3170250766	39.540903135207	-101.104682	119731.0435565814	4020582.39501409	3028.91676	2911.81528829466	2866.279225349697	2866.564172376984	51.3320333232493	52.452671164498236
434	389	287554	-85.161	141.33	1048477.3170250766	39.540985176323	-101.1021224	119914.031024589	4020578.327439595	3026.780216103744	2911.428363782004	2874.235865481147	2871.9819666899	51.3320333232493	53.452671164498236
435	389	287555	-84.501	141.33	1048477.3170250766	39.541049345762	-101.099282	120134.8541262887	4020574.295820874	3021.702195840036	2911.064218349163	2874.235865481147	2871.9819666899	51.3320333232493	54.452671164498236
436	389	287556	-83.841	141.33	1048477.3170250766	39.541102626556	-101.0974039	120316.038584734	4020570.191230319	3019.67786575641	2911.071739535569	2889.8728013461523	2890.2175593059474	52.8038381891715	53.452671164498236
437	389	287557	-83.181	141.33	1048477.3170250766	39.541165261078	-101.0950852	120516.996544505	4020565.123487497	3035.688420308958	2910.36813996183	2897.56675950541	2897.56675950541	53.452671164498236	54.452671164498236
438	389	287558	-82.521	141.33	1048477.3170250766	39.5412195021136	-101.0927394	120717.984301236	4020560.05980602	3039.679114296322	2910.056271158482	2905.316631750714	2905.6565833629874	53.452671164498236	55.436873425260751
439	389	287559	-81.861	141.33	1048477.3170250766	39.5412795402388	-101.0903937	120918.9731	4020557.988712321	3039.343305915967	2909.681974186939	2912.8124566881237	2913.39612748577	0	0
440	389	287560	-81.201	141.33	1048477.3170250766	39.5413319251687	-101.0880479	121119.9593776826	4020553.32168246	3034.68106688803	2909.33954995417	2920.010953161833	2920.551288161943	0	0
441	389	287561	-80.541	141.33	1048477.3170250766	39.541384948616	-101.085702	121320.94681572	4020549.89581572	3038.898528288537	2908.73967386985	2925.9053615487	2925.9053615487	0	0
442	389	287562	-79.881	141.33	1048477.3170250766	39.541425354372	-101.0832565	121541.425354372	4020545.93853157	3035.928853352	2907.63853352	2927.43023365937	2927.43023365937	0	0
443	389	287563	-79.221	141.33	1048477.3170250766	39.5414971607751	-101.081017	121722.920644649	4020541.72205188	3029.64110941891	2908.39698944523	2926.430275813495	2926.46145914485	0	0
444	389	287564	-78.561	141.33	1048477.3170250766	39.5415513329154	-101.078665	121923.903663054	4020541.72205188	3029.64110941891	2908.39698944523	2926.430275813495	2926.46145914485	0	0
445	389	287565	-77.901	141.33	1048477.3170250766	39.5416058185794	-101.0763192	122124.893955427	4020533.590113093	3056.1186731921734	2907.6795053891276	2922.358741372065	2922.205400119968	0	0
446	389	287566	-77.241	141.33	1048477.3170250766	39.54165831760275	-101.0739738	122325.80535132096	4020525.825415888	3069.355944741655	2907.350754878638	2920.809516618734	2920.692028137494	0	0
447	389	287567	-76.581	141.33	1048477.3170250766	39.54171113014978	-101.0716277	122528.86654440497	4020525.498195233	3074.477682771087	2907.044523269027	2919.860341943314	2920.035683004984	0	0
448	389	287568	-75.921	141.33	1048477.3170250766	39.541763494981	-101.069282	122727.852620114	4020521.39404115	3071.48257814739	2906.42920314728	2919.1690974706	2919.1690974706	0	0
449	389	287569	-75.261	141.33	1048477.3170250766	39.5418163595462	-101.0669382	122926.860326575	4020517.329151528	3068.4685979	2906.42154239601	2915.981326561977	2916.300362049854	0	0
450	389	287570	-74.601	141.33	1048477.3170250766	39.541869640166	-101.0645905	123129.824039804	4020513.264507465	3065.40549035642	2906.164961871383	2919.14914043	2919.14914043	0	0
451	389	287571	-73.941	141.33	1048477.3170250766	39.541917843558	-101.0622447	123330.8097435743	4020509.2001019195	3057.726838736472	2905.802898684985	2908.931772891981	2910.008363713045	0	0
452	389	287572	-73.281	141.33	1048477.3170250766	39.541968390418	-101.059899	123531.79510605184	4020505.13394878	3045.19489175117	2905.664983151617	2906.14866451177	2907.51638172644	0	0
453	389	287573	-72.621	141.33	1048477.3170250766	39.54201848826845	-101.0575362	123732.78029701987	4020501.07206333	3032.665954558167	2905.45333	2902.320743849392	2904.488188680394	3.132579327506754	0.9671359912995285
454	389	287574	-71.961	141.33	1048477.3170250766	39.5420681	-101.0552075	123933.765384233	4020497.008	3025.911319404517	2905.260822103571	2904.034606755307	2902.511429370393	4.82621255208698	2.749382400404962
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456	389	287576	-70.641	141.33	1048477.3170250766	39.5421660491479	-101.050516	124335.734682357	4020489.881651609	3020.92019139675	2904.034606755307	2902.511429370393	2902.511429370393	6.7008369389841	7.7008369389841
457	389	287577	-69.981	141.33	1048477.3170250766	39.5422143297099	-101.0481702	124536.7193	4020484.816876975	3040.7482038168034	2907.272939877558	2899.5706438			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
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541	287661	-14541.14133	1048477.3170250766	39.544637037142585	-100.8511264	341418.8289724359	44201252.465437198	2963.5294871532	2801.863914000453	2791.672964587643	2791.3339142057485	10.1089415238835	10.048960234306586	
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543	287663	-13221.14133	1048477.3170250766	39.5446710326711	-100.8464349	341820.771249435	4420136.294016448	2978.2013782548065	2796.108127551457	2803.853353952466	2804.568997235913	0	0	
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545	287665	-11901.14133	1048477.3170250766	39.544682835484	-100.8417433	342222.7120904672	4420128.209730412	2969.671310898266	2790.251516882224	2804.921071826427	2804.93178189606	0	0	
546	287666	-11241.14133	1048477.3170250766	39.544692290441	-100.8393976	342423.682324004	4420124.17649456	2965.4150072199964	2787.3686513528596	2801.06482495326	2801.858140074013	0	0	
547	287667	-10581.14133	1048477.3170250766	39.54470372142585	-100.8376118	342624.5622222754	4420120.126387191	2961.0113264190045	2784.476881542016	2797.68240325541	2798.532852744114	0	0	
548	287668	-9921.141327	1048477.3170250766	39.544710760941	-100.834706	342825.52200113005	4420116.08508714	2944.46688495291	2781.5909042306757	2794.838700211965	2795.88232175556	0	0	
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553	287673	-6621.141327	1048477.3170250766	39.54473915843555	-100.8229772	343830.4889780917	4420095.882101688	2930.9770034513095	2767.4227880595097	2785.9580649582716	2788.1524746958265	0	0	
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563	287683	21.14132693	1048477.3170250766	39.54476196380494	-100.7995195	345840.1515385993	4420055.493920678	2926.522752886486	2740.4097893856606	2776.62627416551	2777.693004051702	0	0	
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565	287685	1298.85867303514	1048477.3170250766	39.544764108643125	-100.794828	346242.086260608	4420047.419172967	2928.33092349673	2735.268372910637	2767.71398273903	2768.37239105607	0	0	
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571	287691	5258.8586730351	1048477.3170250766	39.5447475774154	-100.7807534	347447.8868763063	4420023.20536006	2910.519080322011	2720.13770554162	2748.960230876478	2749.110223464916	0	0	
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587	287707	15808.8586730351	1048477.3170250766	39.544637894884	-100.7432211	350663.3294387151	4420000.659294403	2836.122578463285	2683.625404827095	2702.289498382716	2702.849494151892	0	0	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThkLog.s	SatThkBoth.ft
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656	698	28786	67958.8586730335	1048477.3170250766	36.5425399447491	-00.5574391	366339.0543971756	4041640.8786016305	2600.724118237452	2591.4268974845027	2603.0771369617214	2604.8587614263532	0	0
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659	698	28789	69938.8586730335	1048477.3170250766	36.5422174073599	-00.5508688	367141.9137018265	4041628.834252423	2708.0775849433267	2594.3372250966743	2601.706026766265	2603.096010703395	0	0
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661	698	28791	71258.8586730335	1048477.3170250766	36.5421204511055	-00.5461773	367543.81928428164	4041620.837233994	2725.448434158551	2597.900388447447	2601.99961584589635	2603.313226705804	0	0
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663	698	28793	72578.8586730335	1048477.3170250766	36.5419715770755	-00.5414658	367945.724593835	4041612.79	2738.4578797483973	2599.371795733652	2604.05356686013	2604.05356686013	0	0
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667	698	28797	75218.8586730335	1048477.3170250766	36.5418170554274	-00.5321028	368749.5330804116	4041590.745833886	2738.95691526861	2605.7721389238727	2611.157757333064	2611.5752875466337	0	0
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669	698	28799	76538.8586730335	1048477.3170250766	36.5417149811595	-00.5274114	369151.43662426958	4041587.725099487	2734.5246218446236	2608.4508984782116	2614.8173910867027	2615.007134	0	0
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671	698	28781	77858.8586730335	1048477.3170250766	36.54156847789134	-00.5227198	369653.33705998924	4041580.7039116	2734.2167085131377	2611.1577154277918	2614.2626397311887	2614.56748383421	0	0
672	698	28782	78518.8586730335	1048477.3170250766	36.5415541001788	-00.5203741	369754.29105113074	4041576.769	2747.5627518513993	2612.51854894952	2614.5370382069646	2615.00262672374	0	0
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674	698	28784	79838.8586730335	1048477.3170250766	36.541446845727	-00.5156826	370156.193693166	4041568.673720255	2751.022817226755	2615.246898098173	2610.0541391882425	2610.6957440704934	5.19284809130606	4.551214069679677
675	698	28785	80498.8586730335	1048477.3170250766	36.5413909909712	-00.5133369	370357.14442379395	4041566.68566173	2758.859032909314	2616.610500207195	2605.558867	2604.1629187009033	13.051633401214985	12.447581569691875
676	698	28786	81158.8586730335	1048477.3170250766	36.5413354963721	-00.5109911	370557.00549271754	4041560.66	2762.50638382609	2617.9691619520398	2606.536700205594	2597.023691580044	21.43245256495936	20.94530034049778
677	698	28787	81818.8586730335	1048477.3170250766	36.5409749042906	-00.5085958	370759.16831938915	4041556.616339614	2767.458519389138913	2618.9146813389913	2608.5429433897463	2609.648457872463	28.17728131071955	27.95229921
678	698	28788	82478.8586730335	1048477.3170250766	36.541231313825	-00.5062996	370959.965231536	4041552.6439147515	2769.072041472957	2620.647113400135	2583.435065363637	2583.4911912973573	37.21150670498196	37.1559221075963
679	698	28789	83198.8586730335	1048477.3170250766	36.5411663	-00.5035938	371160.947003595	4041548.63506475	2755.56431237376	2621.9441032177936	2577.2303208432063	2577.309473036433	44.7137824348805	44.65601182172314
680	698	28780	83798.8586730335	1048477.3170250766	36.541108356043	-00.5016082	371361.8973621032	4041546.627957612	2752.056311226905	2623.177472803094	2571.318500942163	2571.454206264074	51.5858971609777	51.7530167766876
681	698	28781	84458.8586730335	1048477.3170250766	36.54110512	-00.4992624	371562.84759780543	4041540.621	2747.170370371513	2624.285198906623	2565.700323698038	2565.820033	58.8484653759115	58.4651627638902
682	698	28782	85118.8586730335	1048477.3170250766	36.540992636389	-00.4969167	371763.79717126853	4041536.61369104	2740.806540305973	2625.1366363643624	2560.5129877807	2560.546105040563	64.6236856592942	64.5062610317005
683	698	28783	85778.8586730335	1048477.3170250766	36.54094934	-00.4945768	371964.747	4041532.864942435	2742.47046438963	2625.3078261474678	2555.701687261603	2555.72492629836	68.60619459	68.763385793163
684	698	28784	86438.8586730335	1048477.3170250766	36.5408751596868	-00.4922252	372125.6975723003	4041528.1677827149	2745.145577016453	2725.145577016453	2551.735189	2551.735189	72.588027520635	72.588027520635
685	698	28785	87098.8586730335	1048477.3170250766	36.5408156	-00.4898794	372366.647320289	4041524.593	2726.3617546100185	2624.529035745285	2549.02913430197	2549.0303130184454	75.5003893158807	75.4640970283879
686	698	28786	87758.8586730335	1048477.3170250766	36.5407555	-00.4875337	372567.596046743	4041520.587028675	2728.124618707323	2623.5517780707354	2547.7227888226453	2547.824113032265	75.82898924817	75.72766504749143
687	698	28787	88418.8586730335	1048477.3170250766	36.5406950556859	-00.485118	372768.546452027	4041516.58103472	2727.88473070467	2622.49037616729	2547.538281693212	2547.5195604260474	74.9107559231748	74.9297471
688	698	28788	89078.8586730335	1048477.3170250766	36.540634114626	-00.4828422	372969.458635558	4041512.57266095	2724.179323197127	2547.9400898924937	2547.861357582777	2547.9400898924937	73.4179733884046	73.4179733884046
689	698	28789	89738.8586730335	1048477.3170250766	36.5405727203715	-00.4804895	373170.44451	4041508.599759084	2736.425927186959	2620.06948384928	2546.775995	2548.5215163622172	71.29346040524809	71.5476434721066
690	698	28790	90398.8586730335	1048477.3170250766	36.54051622055	-00.4781507	373371.3942430778	4041504.54469882	2737.323259245525	2618.83238544428	2555.701687261603	2555.701687261603	73.93033073459	73.93033073459
691	698	28781	91058.8586730335	1048477.3170250766	36.540445722738	-00.4758085	373572.342656743	4041498.55420995	2738.18446780474	2617.67676980358	2551.237355782015	2551.237355782015	75.394335053435	75.394335053435
692	698	28782	91718.8586730335	1048477.3170250766	36.5403861843155	-00.4734593	373737.2916805845	4041495.54508415	2739.0555137762	2616.304626211377	2552.63139096471	2552.63139096471	76.4235432433077	76.4235432433077
693	698	28783	92378.8586730335	1048477.3170250766	36.540325113937	-00.4711135	373974.240508484	4041492.55	2738.266975817042	2615.018373379877	2554.0307075264577	2554.0307075264577	69.87676581153995	61.2955413585035
694	698	28784	93038.8586730335	1048477.3170250766	36.540258951607	-00.4687678	374175.18961314764	4041488.54692136	2735.848735471418	2613.718822974057	2555.609414	2555.609414	58.1094209226728	58.7692927164726
695	698	28785	93698.8586730335	1048477.3170250766	36.540194837325	-00.466422	374376.1381562475	4041484.54188418	2735.048456724955	2612.406094852531	2556.67186854818	2556.67186854818	59.204717968012724	59.5192674637676
696	698	28786	94358.8586730335	1048477.3170250766	36.5401307710975	-00.4640473	374577.0865799926	4041480.33709481	2737.012255603735	2611.078012833587	2558.437880717652	2558.437880717652	62.34904495087496	62.6440276078196
697	698	28787	94918.8586730335	1048477.3170250766	36.54006942906	-00.4617857	374789.394290696	4041474.619292329	2738.14431919292329	2610.943111848698	2559.341511949206	2559.341511949206	63.61623322483	63.61623322483
698	698	28788	95678.8586730335	1048477.3170250766	36.53999977782715	-00.4593438	374973.9070702442	4041472.530694851	2727.04733037337	2608.3708821142864	2561.794043061202	2562.0914911713754	65.5684173308441	65.5684173308441
699	698	28789	96338.8586730335	1048477.3170250766	36.53993835269975	-00.4570391	375179.8931761545	4041468.52736155	2725.21047189715	2606.99054488377	2561.0015614194012	2561.2193710807387	65.8889834879557	65.77117382
700	698	28790	96998.8586730335	1048477.3170250766	36.5398764726673	-00.4546934	375380.879805476	4041464.52413694	2724.31748719704	260				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
51	390	287911	-337941.1413	10419137.3170250766	39.5034840801949	-102.0005166	242924.8645	404335.428372704	3695.869723564308	3478.029858169659	3447.158887787833	3447.223970601454	30.8070831825828	30.8058786250498
52	390	287912	-337281.1413	10419137.3170250766	39.5037158940972	-101.9981712	243125.934737044	404351.26703236	3693.924194967578	3476.050013113227	3444.3642872262	3444.3642872262	31.685730363494913	31.681982397847953
53	390	287913	-336621.1413	10419137.3170250766	39.50349725651866	-101.9981712	243337.047457812	404351.26703236	3693.924194967578	3474.074811904767	3441.091688	3441.091688	32.98324230381263	32.98324230381263
54	390	287914	-335961.1413	10419137.3170250766	39.5041781650288	-101.9934083	243528.0474999447	404342.347732043	3693.924194967578	3472.11300866982	3437.189172633833	3437.08060574008	34.92123005358	35.036951260408
55	390	287915	-335301.1413	10419137.3170250766	39.5044082624374	-101.9911348	243729.1440005202	404338.788006007	3684.34623822047	3470.164466028703	3432.735988417851	3432.6106612746	37.42845808051943	37.553585512594665
56	390	287916	-334641.1413	10419137.3170250766	39.5044368227441	-101.9887894	243930.2123475974	404335.428372704	3674.917972514023	3468.239428074373	3427.852333363004	3427.666401349583	40.57381775941459	40.57381775941459
57	390	287917	-333981.1413	10419137.3170250766	39.50469882	-101.9864439	244131.28224142056	404330.46923119	3665.48905206202	3466.34053822984	3422.867134887411	3422.867134887411	43.55283333333333	43.55283333333333
58	390	287918	-333321.1413	10419137.3170250766	39.5050972680489	-101.9840895	244332.3060219544	404326.1301205761	3654.44317898379	3464.469398120374	3418.615833989626	3418.615833989626	45.8336413439449	45.8336413439449
59	390	287919	-332661.1413	10419137.3170250766	39.50534725651866	-101.981763	244533.4194701129	404326.1301205761	3652.5222246658	3462.5222246658	3416.205513179534	3416.205513179534	48.1869768687665	48.1869768687665
60	390	287920	-332001.1413	10419137.3170250766	39.5055541003995	-101.9794076	244734.4877034315	404317.922370321	3647.724539308238	3460.817369231251	3416.63910102099	3416.63910102099	51.1732591821946	51.1732591821946
61	390	287921	-331341.1413	10419137.3170250766	39.5057818377292	-101.9770621	244935.5556883047	404313.834896467	3645.310894455192	3460.041528744079	3415.889045184563	3415.889045184563	54.54727195610675	54.54727195610675
62	390	287922	-330681.1413	10419137.3170250766	39.50600912141394	-101.9747167	245136.6214189587	404309.676505457	3642.896331	3457.3015613675804	3415.943102	3416.090197137308	41.3585133404061	41.3585133404061
63	390	287923	-330021.1413	10419137.3170250766	39.50623595199286	-101.9723712	245337.6908975866	404305.518853148	3644.265182330708	3451.9199119716345	3416.036858916306	3416.036858916306	43.95685723189381	43.95685723189381
64	390	287924	-329361.1413	10419137.3170250766	39.5064623294666	-101.9700257	245538.7581443196	404301.26703236	3640.47144970104	3453.364696	3415.7801112570037	3415.7801112570037	46.1562841005649	46.1562841005649
65	390	287925	-328701.1413	10419137.3170250766	39.5066883	-101.9676803	245739.8250996474	404297.203996766	3634.584797109583	3452.510817527785	3415.059748693539	3415.059748693539	47.37021234817439476	47.37021234817439476
66	390	287926	-328041.1413	10419137.3170250766	39.5069117250951	-101.9653348	245940.8918250223	404293.046911795	3639.7211984	3450.736509601305	3414.106348433221	3414.106348433221	48.7810177861361	48.7810177861361
67	390	287927	-327381.1413	10419137.3170250766	39.50717387	-101.9629893	246141.9582615537	404288.89	3630.13181722044	3449.2021238732814	3412.873519962607	3412.752274268163	49.36299188	49.36299188
68	390	287928	-326721.1413	10419137.3170250766	39.5073633082956	-101.9606439	246343.2045178238	404278.73492795	3655.799215412656	3447.713391502456	3411.458637568996	3411.458637568996	50.362547618124957	50.362547618124957
69	390	287929	-326061.1413	10419137.3170250766	39.5075874202342	-101.9582894	246544.09048871943	404280.57145852	3651.4666130615856	3446.271454466647	3410.081848587793	3410.081848587793	51.2906268917167	51.2906268917167
70	390	287930	-325401.1413	10419137.3170250766	39.5078117079647	-101.9559529	246745.1562009483	404280.57145852	3647.13401197876	3448.97318462807	3408.75572564842	3408.8022664684136	52.36706152369548	52.36706152369548
71	390	287931	-324741.1413	10419137.3170250766	39.5080342847864	-101.9536075	246946.2217	404272.265177047	3640.26251704574	3443.535625171043	3407.3689832130855	3407.3689832130855	53.7624190682757	53.7624190682757
72	390	287932	-324081.1413	10419137.3170250766	39.5082570373991	-101.951262	247147.2869883152	404268.109555169	3630.680217	3442.240114138893	3405.93478466172258	3406.045226014413	54.3022917516701	54.3022917516701
73	390	287933	-323421.1413	10419137.3170250766	39.5084803676075	-101.9484253	247349.7855915948	404269.541794563	3628.621195221925	3441.061255280262	3404.845119218007	3404.845119218007	55.152457243086	55.152457243086
74	390	287934	-322761.1413	10419137.3170250766	39.5087011834053	-101.945711	247549.4168577004	404259.79	3617.630226128153	3439.7819348406597	3402.87181767939	3403.30569546739	56.1017180272071	56.1017180272071
75	390	287935	-322101.1413	10419137.3170250766	39.5089252766876	-101.9442256	247750.415836236	404254.643137481	3604.8014200268740	3438.614200268741	3401.508218289973	3402.066924316841	57.105891869741606	57.105891869741606
76	390	287936	-321441.1413	10419137.3170250766	39.5091431685914	-101.9418801	247951.5453062282	404251.49842653	3606.646631151696	3437.48039062553	3401.37378973764	3401.00540897067	58.10638008788886	58.10638008788886
77	390	287937	-320781.1413	10419137.3170250766	39.50936034093191	-101.9395346	248152.609053276913	404245.33086867	3596.529639123685	3436.36907	3399.6029839123685	3399.6029839123685	59.3574625065871	59.3574625065871
78	390	287938	-320121.1413	10419137.3170250766	39.5095840376075	-101.9371891	248353.637079979	404243.180896721	3592.394167912755	3435.2590492211693	3399.4661348509258	3400.027240101618	60.7929143024358	60.7929143024358
79	390	287939	-319461.1413	10419137.3170250766	39.50980638178675	-101.9348483	248564.7855915948	404239.226894404	3587.629695723212	3434.109892125298	3398.71689234533	3398.71689234533	61.98922504968104	61.98922504968104
80	390	287940	-318801.1413	10419137.3170250766	39.5100227466024	-101.9324982	248767.7897763838	404234.73777711	3582.227054737711	3433.536434	3400.1610254322775	3400.1610254322775	63.057247108907	63.057247108907
81	390	287941	-318141.1413	10419137.3170250766	39.51024412103795	-101.9301527	248956.867254268	404230.718396029	3576.82760389926	3432.6115846675976	3400.501373006482	3402.790112573151	64.3072116115572	64.3072116115572
82	390	287942	-317481.1413	10419137.3170250766	39.510458423532	-101.9278072	249157.92548390248	404226.56662518	3572.724733188654	3429.2077448362578	3400.460438264715	3400.460438264715	65.267230475827536	65.267230475827536
83	390	287943	-316821.1413	10419137.3170250766	39.5106774109185	-101.9254617	249358.987965562	404222.413691286	3565.589426171685	3426.476823	3399.299791405257	3403.1655007499176	66.2717025731234	66.2717025731234
84	390	287944	-316161.1413	10419137.3170250766	39.5108947261875	-101.9231162	249560.0501997398	404218.20360099	3559.31379684859	3423.229053793847	3397.223639202085	3397.223639202085	67.26054145729969	67.26054145729969
85	390	287945	-315501.1413	10419137.3170250766	39.5111073913812	-101.9207707	249761.1121865348	404214.10485817	3553.037955	3419.706748095091	3394.698655154954	3401.007717373385	68.25017690400716	68.25017690400716
86	390	287946	-314841.1413	10419137.3170250766	39.5113271973812	-101.9184253	249962.173257054	404209.961921905	3546.762119252802	3416.016719252802	3392.245249549194	3392.245249549194	69.339208009322	69.339208009322
87	390	287947	-314181.1413	10419137.3170250766	39.511543963304	-101.916798	250162.2341818028	404205.80421662	3540.417216771443	3412.421414896793	3389.87552826274	3398.118489107538	70.2251880705338	70.2251880705338
88	390	287948	-313521.1413	10419137.3170250766	39.51175945611296	-101.9137343	250364.2966345275	404201.652466585	3535.44913732326	3408.80965838204	3397.509457480607	3396.01137693775	71.29750835797508	71.29750835797508
89	390	287949	-312861.1413	10419137.3170250766	39.5119745	-101.9113888	250565.357662206	404197.50591264	3529.99102969448	3405.2401815534704	3385.40208871624	3394.43235	72.29308327225304	72.29308327225304
90	390	287950	-312201.1413	10419137.3170250766	39.5121802387	-101.9090433	250766.418413638	404193.34967384	3524.549069	3401.7419582761204	3383.244089158376	3392.6154860745487	73.1468971172829	73.1468971172829
91	390	287951	-311541.1413	10419137.3170250766	39.512403245357	-101.9066878	250967.4782077855	404189.198647062	3520.289107456634	3398.321802820504	3391.3651782014931	3390.3651782014931	74.1264831733333	74.1264831733333
92	390	287952	-310881.1413	10419137.3170250766	39.51261639675	-101.9043523	251168.539	404185.407857265	3517.21187133963	3394.364047049764	3390.0945815313457	3390.0945815313457	75.18855551841343	75.18855551841343
93	390	287953	-310221.1413	10419137.3170250766	39.512837123671	-101.9020913	251369.7855915948	404181.509919161	3514.0494081915154	3392.4404081915154	3387.281145404203	3387.281145404203	76.3332133527046	76.3332133527046
94	390	287954	-309561.1413	10419137.3170250766	39.5130432675004	-101.8996163	251570.658963908	404175.704720025	3511.071631203987	3388.570147111847	3387.01007722816	3386.59365268224	77.10288548393005	77.10288548393005
95	390	287955	-308901.1413	10										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatHLogKrg.ft	SatHBoth.ft
177	190	288037	-254781.1413	1941937.3170250766	39.5292144282432	-101.7048081	268257.7841788514	4403833.113	3260.3352676631052	3232.247239	3260.2679804951096	3263.290232	361.97987883194037
178	190	288038	-254712.1413	1941937.3170250766	39.5292991490676	-101.726343	268480.8240539127	4403828.36770093	3478.1252248836657	3231.33907720738	3259.761766202496	3262.5373663367873	61.57740659905244
179	190	288039	-254661.1413	1941937.3170250766	39.529473416186	-101.702968	268699.9637009052	4403824.813	3482.1136213887137	3250.4129916893486	3259.292484842206	3261.8296772742483	58.58353613681958
180	190	288040	-252801.1413	1941937.3170250766	39.5294672310821	-101.6979342	268860.9031009095	4403800.723334255	3489.3004568922597	3319.470123990057	3258.7522056698696	3262.14528467697	60.7191833
181	190	288041	-252141.1413	1941937.3170250766	39.52962092923934	-101.6955976	269061.94232116184	4403816.949425545	3496.4872723910852	3318.5116123141374	3258.248872577512	3261.263997880202	60.26273973666139
182	190	288042	-251481.1413	1941937.3170250766	39.52969550053305	-101.693252	269262.98127571262	4403812.464029743	3503.641778929943	3317.533867969438	3258.8936507253043	3261.0041188979147	56.53417899
183	190	288043	-250821.1413	1941937.3170250766	39.5301659555162	-101.6890964	269464.0200125881	4403808.36	3518.509708278694	3316.552140460054	3257.8511586988356	3258.978400961026	58.68889176016977
184	190	288044	-250161.1413	1941937.3170250766	39.5303379574169	-101.6888508	269665.0582243004	4403804.2074859515	3511.5921445507339	3256.879353786864	3257.1113009	3258.7794751822703	58.44429391789345
185	190	288045	-249501.1413	1941937.3170250766	39.5306050612704	-101.6862158	269866.0696548566	4403800.079126444	3514.47521568444956	3255.761612183561	3255.291596786924	3257.6535364373524	57.85353654373524
186	190	288046	-248841.1413	1941937.3170250766	39.53086801617005	-101.683696	270067.1349619218	4403786.91007771	3517.352786654646	3254.5324060903764	3251.733747676839	3259.0396483925746	61.8082639325746
187	190	288047	-248181.1413	1941937.3170250766	39.53088512440682	-101.6815239	270268.1726919614	4403791.823	3518.611111084151	3312.33108118303	3253.32320173669573	3249.653379134563	62.8785897441184
188	190	288048	-247521.1413	1941937.3170250766	39.5310124333205	-101.6791783	270490.2102958015	4403787.965492896	3517.233769345106	3311.5109420430814	3251.908578277893	3246.976862705465	64.5339793635485
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190	190	288050	-246201.1413	1941937.3170250766	39.53130645233845	-101.6744871	270871.28456275074	4403779.440841244	3524.4709458625205	3309.4556473805273	3249.35696222051323	3242.7263214516217	60.088023292005
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193	190	288053	-244221.1413	1941937.3170250766	39.5318655821856	-101.6674502	271474.39492892857	4403767.060919718	3530.482049626196	3306.2958698606874	3246.708151913983	3235.2218603505697	59.85754073705454
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195	190	288055	-242901.1413	1941937.3170250766	39.53220090696935	-101.662759	271876.467206696	4403758.808775904	3529.815367739053	3304.1750971078845	3245.641571033036	3233.936133427674	60.3384004058093
196	190	288056	-242241.1413	1941937.3170250766	39.53233666336998	-101.6604133	272077.50300844124	4403754.68305134	3522.251812096763	3303.1094233967334	3245.385993964472	3232.659132796753	77.523420712624539
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198	190	288058	-240921.1413	1941937.3170250766	39.5326964022391	-101.6557221	272478.57369313274	4403745.42365354	3507.125208946833	3300.9649674016	3245.1281869529	3241.32036770324	55.5732087910959
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201	190	288061	-238941.1413	1941937.3170250766	39.53319256536554	-101.6488852	273082.6787	4403734.058122365	3485.324708280806	3297.7001685316704	3246.352838388652	3245.361488167017	51.43733019
202	190	288062	-238281.1413	1941937.3170250766	39.53336650515121	-101.6463395	273283.731251059	4403729.93853923	3478.11720280131	3295.5952915511007	3247.253095883463	3246.945685792816	49.64396575439
203	190	288063	-237621.1413	1941937.3170250766	39.53351898341496	-101.6439393	273484.7474507965	4403726.98082836	3477.688570362714	3296.801712500384	3248.3004967883163	3247.1796744688754	48.28532629588675
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206	190	288066	-235641.1413	1941937.3170250766	39.53400715236	-101.636957	274087.81488215236	4403713.9488215236	3507.12343052402	3291.78150617816	3250.3250	3247.4229775967114	41.1910474347874
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211	190	288071	-232341.1413	1941937.3170250766	39.53481017149844	-101.6252288	275093.013301141	4403692.62628794	3530.350802765682	3286.101357595326	3241.4437817148167	3241.9017584948	46.957058058059436
212	190	288072	-231681.1413	1941937.3170250766	39.53497057174358	-101.622981	275294.045672284	4403688.154214587	3534.981691486814	3285.02322421545	3240.7898498214	3240.7898498214	49.195290714325
213	190	288073	-231021.1413	1941937.3170250766	39.5351289	-101.6203575	275495.07765345094	4403682.98820927	3528.266687829827	3283.651231541297	3239.507319552327	3229.507319552327	53.96869387972686
214	190	288074	-230361.1413	1941937.3170250766	39.5352872950404	-101.6181919	275696.1993877808	4403680.461429381	3527.2696135731625	3282.423617101632	3223.4556187599933	3223.393434	58.9679835
215	190	288075	-229701.1413	1941937.3170250766	39.5354452497825	-101.6158462	275897.14095349354	4403676.142921326	3526.81486560448	3281.19465732874	3217.544273320425	3217.62840872915	63.65419240983147
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217	190	288077	-228381.1413	1941937.3170250766	39.5357597982517	-101.6111549	276299.2034418954	4403668.098738063	3525.18503386112	3278.7679855116	3207.88697427391	3208.084746957455	70.6801274772753
218	190	288078	-227721.1413	1941937.3170250766	39.53591639274205	-101.6088093	276500.2354599485	4403663.97821931	3524.5566247499182	3276.57200826885	3204.77379292928	3204.099052052009	73.734071738852
219	190	288079	-227061.1413	1941937.3170250766	39.53607353409864	-101.606528	276701.2641930784	4403659.124281	3523.590177004132	3275.489117004132	3203.590177004132	3203.590177004132	73.734071738852
220	190	288080	-226401.1413	1941937.3170250766	39.5362282223214	-101.604118	276902.2955203355	4403655.73211581	3520.60363621826	3275.05939818172	3201.00411602025	3201.00411602025	77.856913325252
221	190	288081	-225741.1413	1941937.3170250766	39.5363834572313	-101.6017273	277103.325780394	4403651.418671222	3518.185665103458	3274.050325092656	3200.51096261238	3200.51096261238	79.3539678802765
222	190	288082	-225081.1413	1941937.3170250766	39.5365382390677	-101.5994266	277304.3561855514	4403647.49903425	3515.7623694089176	3272.014708049176	3202.78166319427	3201.13407610195	90.90527491489965
223	190	288083	-224421.1413	1941937.3170250766	39.5366925677374	-101.597081	277505.368637677	4403643.37890175	3513.2584735577957	3271.784934041324	3201.778275138636	3201.778275138636	90.90527491489965
224	190	288084	-223761.1413	1941937.3170250766	39.5368444342341	-101.5947353	277706.4152322204</						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatThkLog.f	SatThkBoth.f
303	298163	-176121.1413		1049137.3170250766	39.57560750835036	-101.4094256	293987.08004705026	4030314.621474384	3374.934581530815	312.655785707511	3074.3259553467346	3074.539591801616	3074.3390336077643	718.12583931
304	298164	-170961.1413		1049137.3170250766	39.574862049317	-101.4070798	293788.09281369427	4033010.521719853	3373.972780780796	311.64947491883236	3070.6784905206413	3070.966256740317	80.3708826819138	80.683222454811561
305	298165	-170301.1413		1049137.3170250766	39.574656305731729	-101.4067441	293689.10578700005	4033306.422240346	3371.019860937655	310.921237748146	3067.224727224484	3067.52869632416	83.2965105136773	83.0916142289347
306	298166	-169641.1413		1049137.3170250766	39.57479221	-101.4023884	294190.117107616	4032302.322029895	3368.049179280726	314.9517548622825	3054.523888842956	3064.054894349977	80.621506796858	85.1207114230535
307	298167	-168881.1413		1049137.3170250766	39.57480383500965	-101.4000427	294391.12900225544	4032028.223894584	3366.05741312902563	314.88496913815664	3062.2182327907985	3061.97666530648	86.2788810248652	86.502204846
308	298168	-168321.1413		1049137.3170250766	39.57481541587784	-101.3978698	294592.14166195756	4031965.125090996	3363.05376059346	314.739584501213	3060.676757643247	3060.22655095336	87.1619096579652	87.1619598587698
309	298169	-167661.1413		1049137.3170250766	39.574826951427304	-101.3953512	294793.15362046795	403200.026544090	3364.01400828436	314.626793376347	3059.743220392335	3059.155722961634	86.52479028401214	87.11225041471289
310	298170	-167001.1413		1049137.3170250766	39.574838416156804	-101.3930055	294984.16511779905	403285.528228898	3362.0385228988	314.65113573983062	3059.312574703885	3059.155722961634	86.5100060412146	86.5344251258271
311	298171	-166341.1413		1049137.3170250766	39.57484686979798	-101.3906697	295195.1765	403224.81534422	3360.823694551453	314.53430258	3058.08681830076	3058.254925137264	84.856760	85.57843270887652
312	298172	-165681.1413		1049137.3170250766	39.574861286152324	-101.388314	295356.187808272	403277.73231707	3357.5616776394125	314.2715046889904	3059.17028639024	3058.354296445809	82.6127190505417	84.53972550445062
313	298173	-165021.1413		1049137.3170250766	39.5748726043764	-101.3859683	295597.198646529	403273.634718232	3354.2912037443066	314.15065219553567	3058.45498726375	3058.45498726375	83.0512322898175	83.0450973705081
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315	298175	-163701.1413		1049137.3170250766	39.57489521	-101.3812768	295999.2195677929	403269.40249576	3347.906263791997	313.9896816553587	3060.0532169032	3059.430140373394	79.9617128	80.158485455376
316	298176	-163041.1413		1049137.3170250766	39.5749063134789	-101.3789311	296200.2301351063	403261.3433731785	3341.96177834305	313.7208077427003	3060.227070926037	3059.467390827255	78.2530686597482	78.2530686597482
317	298177	-162381.1413		1049137.3170250766	39.5749176	-101.3765983	296401.20469765	403257.24373687	3342.01729	313.68428573050164	3060.574295665015	3059.899565664004	75.8543178541489	75.8543178541489
318	298178	-161721.1413		1049137.3170250766	39.5749287666565	-101.3742396	296602.250426606	403253.15	3338.07282244516	313.512482340205	3060.737536466624	3060.377829135033	74.3994381934278	74.7469429
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321	298181	-159741.1413		1049137.3170250766	39.574961843153694	-101.3672024	297205.2791032897	403240.862588103	3306.15003765395	312.3176073370525	3053.8023931829975	3053.4443078634804	73.7373410495494	73.7376551
322	298182	-159081.1413		1049137.3170250766	39.5749727955574	-101.3648566	297406.24872883	403236.761715497	3299.506822466386	312.9584323171435	3049.9256938257	3049.66947945513	70.86577228	80.1886284163045
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326	298186	-156441.1413		1049137.3170250766	39.57501612196496	-101.3554737	298210.3229	403220.3877973715	3265.063656317643	312.0426457890379	3037.9021511204765	3037.271303814804	86.7222067373216	87.3515441
327	298187	-155781.1413		1049137.3170250766	39.57502684179367	-101.3531279	298416.2584179367	403216.29355428	3245.092519874617	312.3237115386234	3036.09438882254	3035.40172953088024	87.2220753088024	87.92608334743181
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330	298190	-153801.1413		1049137.3170250766	39.57505872930588	-101.3460907	299014.354438883	403204.012279905	3250.364814119896	311.493361712647	3033.669642161187	3032.309270315955	85.7666753149589	87.12729021105133
331	298191	-153141.1413		1049137.3170250766	39.57506956784351	-101.3437489	299215.36191887374	403199.918897766	3250.63126955182	311.493361712647	3033.669642161187	3032.309270315955	85.7666753149589	87.12729021105133
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334	298194	-151161.1413		1049137.3170250766	39.575100611525364	-101.3367707	299818.3828931066	403187.640595524	3247.040293742876	311.454426532283	3031.8288872482576	3030.50039416181	82.3295354049705	83.64502489154725
335	298195	-150501.1413		1049137.3170250766	39.5751106878085	-101.334362	299901.389495524	403183.548271418	3242.54318077969	311.28043256120754	3031.56802041467	3029.87592306817	81.2835230706832	82.9248241000141
336	298196	-149841.1413		1049137.3170250766	39.575112128	-101.3320162	300220.3599653524	403179.456192413	3241.79146716309	311.14361872486725	3031.3387170910855	3029.79999833676	80.4907401576894	81.64618801
337	298197	-149181.1413		1049137.3170250766	39.5751154733887	-101.3296705	300421.4021407227	403175.36453021	3228.956029556497	311.045601371688	3031.151398958054	3029.71746089187	78.8942914765279	80.33396265250696
338	298198	-148521.1413		1049137.3170250766	39.5751240671765	-101.3272447	300622.4081717854	403171.2727469	3228.1613763540897	310.9826981528344	3031.016424261182	3030.740999372174	77.61054206716	79.4587811551038
339	298199	-147861.1413		1049137.3170250766	39.5751514460965	-101.3242979	300823.4139355877	403167.181385048	3227.779309021525	310.718594525584	3031.2480294767884	3029.71398324034	75.9378667577002	76.644497701549
340	298200	-147201.1413		1049137.3170250766	39.57516208	-101.3226332	301024.4196	403163.090216148	3222.80288030149	310.57218481529157	3031.0020734018713	3029.65505539947	74.71975040445	76.2635261
341	298201	-146541.1413		1049137.3170250766	39.575171660679	-101.3202874	301225.449879916	403158.999378262	3220.90675769247	310.42390356574907	3030.953851273563	3029.65505539947	74.71975040445	76.2635261
342	298202	-145881.1413		1049137.3170250766	39.5751822006286	-101.3179417	301426.430222836	403154.908734296	3220.8540680831	310.2736004800293	3030.880274	3029.65505539947	74.71975040445	76.2635261
343	298203	-145221.1413		1049137.3170250766	39.5751925132872	-101.3159599	301627.435262389	403150.818329924	3220.31929393824	310.1214253645572	3030.781186836754	3029.65505539947	74.71975040445	76.2635261
344	298204	-144561.1413		1049137.3170250766	39.57520214477995	-101.3135252	301828.4041085011	403146.728	3220.8540680831	310.2736004800293	3030.880274	3029.65505539947	74.71975040445	76.2635261
345	298205	-143901.1413		1049137.3170250766	39.57521240671765	-101.3112447	302022.4081717854	403142.192727469	3220.8540680831	310.2736004800293	3030.880274	3029.65505539947	74.71975040445	76.2635261
346	298206	-143241.1413		1049137.3170250766	39.575221905713956	-101.3085587	302230.4492195834	403138.3549	3220.17643961166	309.511653574207	3030.58927461948	3029.71398324034	75.9378667577002	76.644497701549
347	298207	-142581.1413		1049137.3170250766	39.5752317093675	-101.3062129	302431.4535	403134.459108266	3221.228389	3094.895172954967	3028.51726562007	3028.51726562007	73.6379069479068	76.326927120145
348	298208	-141921.1413												

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.km	BRIElevBothr.km	SatThkLogs.r	SatThkBoth.r
55	590	288415	-53.01,141327	1049137.3170250766	39.75628786229176	-100.18182861	344226.4519881994	4022089.40887795	2761.9945259122213	2785.9435376583647	2787.4840957690367	0	
556	590	288416	-46.41,141327	1049137.3170250766	39.75628671679271	-100.18194043	344437.4023063277	4022085.09428881	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
557	590	288417	-39.61,141327	1049137.3170250766	39.75628636836345	-100.18194043	344437.4023063277	4022085.09428881	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
558	590	288418	-32.11,141327	1049137.3170250766	39.75628618743503	-100.18124847	344839.3566723625	4022076.931024439	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
559	590	288419	-26.61,141327	1049137.3170250766	39.7562861975386	-100.80890828	345040.3240685547	4022072.892178895	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
560	590	288420	-20.01,141327	1049137.3170250766	39.756286079831106	-100.8056557	345241.2923791908	4022068.853571124	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
561	590	288421	-13.41,141327	1049137.3170250766	39.75628619	-100.8042112	345642.26009373	4022064.8152011195	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
562	590	288422	-6.81,1413269	1049137.3170250766	39.7562860402089	-100.818654	345643.2274905358	4022067.70708866	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
563	590	288423	-1.11,1413269	1049137.3170250766	39.7562860281334	-100.798519	345844.1942251746	4022066.739174361	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
564	590	288424	6.98,586730733514	1049137.3170250766	39.75628592669377	-100.7971737	346045.1620589468	4022062.701571592	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
565	590	288425	12.98,586730733514	1049137.3170250766	39.7562859039377	-100.7948279	346246.2104904683	4022046.64085553	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
566	590	288426	19.18,586730733514	1049137.3170250766	39.75628590854162	-100.7942841	346447.0959276075	4022044.626917236	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
567	590	288427	25.88,586730733514	1049137.3170250766	39.7562859136788	-100.7901362	346648.062666345	4022040.5899736285	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
568	590	288428	32.78,586730733514	1049137.3170250766	39.7562862787257	-100.7877904	346849.029257334	4022036.553267725	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
569	590	288429	39.98,586730733514	1049137.3170250766	39.756286105569	-100.7854448	346949.995707512	4022032.561799514	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
570	590	288430	45.98,586730733514	1049137.3170250766	39.75628618791724	-100.7830988	347250.6119677244	4022028.480568999	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
571	590	288431	52.58,586730733514	1049137.3170250766	39.75628674845723	-100.7807329	347451.9281456253	4022024.445	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
572	590	288432	59.18,586730733514	1049137.3170250766	39.756286746567564	-100.7784071	347652.89414751227	4022020.408209599	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
573	590	288433	65.78,586730733514	1049137.3170250766	39.75628703657248	-100.7760613	347853.8600026314	4022016.37303435	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
574	590	288434	72.38,586730733514	1049137.3170250766	39.75628662147785	-100.7737155	348054.825711239	4022012.33802365	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
575	590	288435	79.98,586730733514	1049137.3170250766	39.75628604201566	-100.7713696	348255.7912734655	4022008.30281334	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
576	590	288436	85.98,586730733514	1049137.3170250766	39.75628547133565	-100.7690238	348456.75665955245	4022004.266176335	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
577	590	288437	91.98,586730733514	1049137.3170250766	39.7562846694425	-100.7671621	348657.510578751	4022000.7777474	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
578	590	288438	98.98,586730733514	1049137.3170250766	39.75628421123299	-100.7643322	348858.68701841522	4021996.19020399	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
579	590	288439	105.88,586730733514	1049137.3170250766	39.7562831020076	-100.7619863	349059.652063083	4021992.165188643	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
580	590	288440	111.88,586730733514	1049137.3170250766	39.75628273846684	-100.7596405	349260.618966658	4021988.131334487	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
581	590	288441	118.88,586730733514	1049137.3170250766	39.75628197217013	-100.7572487	349461.5815851623	4021984.109771917	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
582	590	288442	125.18,586730733514	1049137.3170250766	39.75628113517382	-100.7549489	349662.5612875474	4021980.04338927	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
583	590	288443	131.18,586730733514	1049137.3170250766	39.7562803575689	-100.7526803	349863.510578751	4021976.831	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
584	590	288444	138.18,586730733514	1049137.3170250766	39.7562795254179	-100.7503272	350064.475396512	4021972.998235912	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
585	590	288445	144.98,586730733514	1049137.3170250766	39.75627832552593	-100.7479114	350265.438921809	4021967.956527349	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
586	590	288446	151.88,586730733514	1049137.3170250766	39.756277339661	-100.7455566	350466.4028522644	4021963.93198587	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
587	590	288447	158.18,586730733514	1049137.3170250766	39.7562767036457	-100.7432197	350667.366804002	4021959.901007365	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
588	590	288448	164.78,586730733514	1049137.3170250766	39.756276116437514	-100.7408739	350868.330458097	4021955.9051662	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
589	590	288449	171.18,586730733514	1049137.3170250766	39.7562740718945	-100.738281	351069.2393936955	4021951.837335483	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
590	590	288450	177.98,586730733514	1049137.3170250766	39.7562728071984	-100.7357162	351270.257385571	4021951.837335483	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
591	590	288451	184.88,586730733514	1049137.3170250766	39.75627156271296	-100.733884	351471.220634077	4021947.7465162	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
592	590	288452	191.18,586730733514	1049137.3170250766	39.7562702516026	-100.7314906	351672.1837401392	4021943.743611961	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
593	590	288453	197.78,586730733514	1049137.3170250766	39.75626893861826	-100.7291448	351873.167405592	4021939.31784551	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
594	590	288454	204.38,586730733514	1049137.3170250766	39.75626755612699	-100.72679	352074.109524446	4021935.168210471	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
595	590	288455	210.98,586730733514	1049137.3170250766	39.75626612994806	-100.7244531	352275.072030696	4021931.62502781	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
596	590	288456	217.18,586730733514	1049137.3170250766	39.756264584003	-100.7221073	352476.0347396784	4021927.611971978	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
597	590	288457	224.18,586730733514	1049137.3170250766	39.756263116297	-100.719823	352677.0958297	4021923.611971978	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
598	590	288458	230.78,586730733514	1049137.3170250766	39.75626157948784	-100.717417	352878.357676786	4021919.515625704	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
599	590	288459	237.38,586730733514	1049137.3170250766	39.7562599720245	-100.7150698	353078.9214994756	4021915.532325215	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
600	590	288460	243.98,586730733514	1049137.3170250766	39.75625831923966	-100.712724	353279.883400184	4021911.50413145	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
601	590	288461	250.88,586730733514	1049137.3170250766	39.75625662113331	-100.7103782	353480.845299704	4021907.451	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
602	590	288462	257.18,586730733514	1049137.3170250766	39.75625487705445	-100.7080324	353681.8068854744	4021903.4653236	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
603	590	288463	263.98,586730733514	1049137.3170250766	39.756253068555	-100.705686	353882.7685381785	4021899.418243374	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
604	590	288464	270.38,586730733514	1049137.3170250766	39.756251248518514	-100.7033407	354083.7299	4021895.39008897	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
605	590	288465	276.98,586730733514	1049137.3170250766	39.7562493	-100.700949	354284.6912126354	4021891.362171799	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
606	590	288466	283.88,586730733514	1049137.3170250766	39.75624745077894	-100.6986491	354485.65234025027	4021887.33449027	2761.994519265877	2785.9435293548679	2787.4840394867979	0	
607	590	288467	290.18,586730733514										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	SatThKLog.s	SatThBoth.ft
681	288541	7785.85867307335	1049137.3170250766	39.5597393132728	-105.5227129	695657.35330745	4407181.934349708	776.3772825114279	2609.69105094156	2615.520979661335	2615.6702195267565	0	0	
682	288542	7815.85867307335	1049137.3170250766	39.5596852242806	-105.5203671	69758.5042450589	4407177.926	2743.44442280216	2611.038819761116	2617.048029070077	2617.517313623990	0	0	
683	288543	7913.85867307335	1049137.3170250766	39.5596347791824	-105.5180213	69689.2535362875	4407173.915523415	2739.1351523415	2612.384033241534	2618.969231896734	2619.860240458429	0	0	
684	288544	7983.85867307335	1049137.3170250766	39.559576880200	-105.5157551	70106.2062416336	4407169.90061494	2753.56809696306	2613.72307811352	2614.383057485221	2615.245434894196	0	0	
685	288545	8049.85867307335	1049137.3170250766	39.5596218292731	-105.5133297	70361.1566643124	4407165.89	2766.7600021575527	2615.05369187014	2605.5612516550364	2606.2147713036165	19.62977020977641	8.839514572397547	
686	288546	8115.85867307335	1049137.3170250766	39.559562351363	-105.5109839	70562.10765352247	4407161.88835974	2763.951914783103	2616.3675487413	2597.31078	2597.8737920242497	19.04907446687327	18.4931782256338	
687	288547	8181.85867307335	1049137.3170250766	39.5595410367905	-105.5086381	70763.0580394717	4407157.89903175	2764.399072754611	2617.6566671458663	2590.023228985885	2590.023228985885	27.6334372567773	27.54391044258187	
688	288548	8247.85867307335	1049137.3170250766	39.5593539527376	-105.5062923	70964.0389023652	4407153.871657005	2761.477173466017	2618.06689526944	2582.868220059689	2582.847308498824	26.0334782592515	35.9598037811944	
689	288549	8313.85867307335	1049137.3170250766	39.5592973934721	-105.5036465	71164.589224116	4407149.836847452	2760.8368197919	2618.2069844961474	2576.038707165808	2576.12925676843	44.0571966825968	43.9678376118626	
690	288550	8379.85867307335	1049137.3170250766	39.559237764989	-105.501007	71365.39072591434	4407145.85575415	2751.50268598085	2621.18630339584	2569.39075009092	2569.497882733455	51.7505914	51.6884203061708	
691	288551	8443.85867307335	1049137.3170250766	39.559182006318	-105.4992549	71566.5871478094	4407141.84383167	2745.717506470734	2622.110225891001	2562.830837252797	2562.952592557583	59.2471865632083	59.1500603342323	
692	288552	8511.85867307335	1049137.3170250766	39.55912378292955	-105.4969091	71767.8085775178	4407137.841038417	2738.451741316914	2622.7699840034	2556.481600755049	2556.5192301560696	66.2883675455846	66.2507824545617	
693	288553	8577.85867307335	1049137.3170250766	39.5590505163317	-105.4945633	71968.7583182294	4407133.978392747	2731.157576556483	2623.0519217166967	2550.57070674107	2550.478124783423	72.5711023835443	72.5711023835443	
694	288554	8643.85867307335	1049137.3170250766	39.5590009765256	-105.4922175	72169.7037132325	4407129.827148651	2723.871714796055	2620.02908971436	2545.944026199458	2545.74717670338	76.9580727197764	77.1263822678979	
695	288555	8709.85867307335	1049137.3170250766	39.5589463935115	-105.4898717	72370.6574340494	4407125.821	2722.77084874056	2622.373208009477	2543.607191938117	2543.731787288972	79.0712607523602	79.035428235046	
696	288556	8773.85867307335	1049137.3170250766	39.5588983572893	-105.487629	72571.608102807	4407121.8140513	2726.63728623806	2621.59073304049	2543.16265468956	2542.974594310225	78.42800536149298	78.16153947042659	
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699	288559	8973.85867307335	1049137.3170250766	39.5587035283755	-105.4804885	73174.45421153086	4407109.79653640	2737.777029576307	2618.495841361616	2546.3985409392753	2545.96966060917	72.2601044234054	72.4901807464994	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvLogKgr.ft	SurfElevLogKgr.ft	SurfElevBoth.ft
70	391	288667	-327381.1413	141479.797310250766	35.52526282	-110.9630184	44616.1277191931	4404490.232928118	3662.9482323689974	345.0203362360031	3413.209226824862	3413.0708897449468	36.82313535316906	36.953464010956307
68	391	288668	-326721.1413	141479.797310250766	35.75254973948622	-110.9606729	446347.19368519947	4404446.760934975	3658.6901770594375	344.5875041	3411.9131648201037	3411.9131648201037	36.74376891334572	36.74376891334572
69	391	288669	-326061.1413	141479.797310250766	35.75257168126768	-110.9632474	446468.2594002365	4404481.918603727	3657.2023691128933	343.76471684148923	3410.947294148923	3410.947294148923	36.46935124690656	36.46935124690656
70	391	288670	-325401.1413	141479.797310250766	35.7525704057722874	-110.9589189	446739.3246949206	4404477.76173154365	3650.1738961903034	340.53976442617856	3409.53976442617856	3409.53976442617856	36.26489716833772	36.26489716833772
71	391	288671	-324741.1413	141479.797310250766	35.75261637887315	-110.9536363	446960.390792732	4404473.7607046886	3645.8070900203153	344.501941370124	3408.3712518641564	3408.3712518641564	36.1306895096744	36.1306895096744
72	391	288672	-324081.1413	141479.797310250766	35.752636644711355	-110.9512908	447151.45504340678	4404469.451181283	3635.8423703262016	344.24784330914	3407.107904309282	3407.107904309282	36.0393999675906	36.0393999675906
73	391	288673	-323421.1413	141479.797310250766	35.75263668823742	-110.9489453	447352.5917575996	4404465.295557548	3627.7242316968074	344.203781730062	3405.85060565254	3405.85060565254	35.75263668823742	35.75263668823742
74	391	288674	-322761.1413	141479.797310250766	35.75268307046234	-110.9465997	447553.5842200362	4404461.1401736075	3619.559993033167	344.8900606605466	3404.6691680229596	3404.6691680229596	35.4048016002897	35.4048016002897
75	391	288675	-322101.1413	141479.797310250766	35.75269571036387	-110.9445254	447754.64853803225	4404456.385033583	3609.76532595347	344.899437730255	3403.899437730255	3403.899437730255	35.26894522610471	35.26894522610471
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80	391	288680	-318801.1413	141479.797310250766	35.75281523	-110.9325265	448759.96587588938	4404434.21261011	3589.264612064222	343.4006951361945	3403.665211475048	3403.665211475048	34.31548369114628	34.31548369114628
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84	391	288684	-316161.1413	141479.797310250766	35.752902430422026	-110.9231443	449564.21572662512	4404419.599655557	3565.1184138887206	342.9837593142007	3402.17689269142007	3402.17689269142007	33.708677361739	33.708677361739
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89	391	288689	-312861.1413	141479.797310250766	35.752994535424	-110.9092427	450583.3384635424	4404384.8384635424	3538.20291751458	340.98142159307	3388.9764272128763	3388.9764272128763	33.0009338465494	33.0009338465494
90	391	288690	-312201.1413	141479.797310250766	35.75303137193369	-110.909071	450770.5819580022	4404394.68605034	3531.60514358739	342.70268857424	3383.625838570505	3383.625838570505	32.91552647671547	32.91552647671547
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102	391	288702	-304281.1413	141479.797310250766	35.75326895209786	-110.8809427	453193.2887734055	4404344.87154669	3486.20291751458	3368.927226340994	3365.27767309316	3365.27767309316	31.6009338465494	31.6009338465494
103	391	288703	-303621.1413	141479.797310250766	35.753280673067785	-110.8787587	453384.34608543708	4404340.739	3486.6511319297357	3368.927226340994	3365.27767309316	3365.27767309316	31.4905297891547	31.4905297891547
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106	391	288706	-301641.1413	141479.797310250766	35.75332297427296	-110.8715419	453987.5166113847	4404328.296	3464.692557226827	3356.425103480273	3341.9322174920174	3341.9322174920174	31.14928853825636	31.14928853825636
107	391	288707	-300981.1413	141479.797310250766	35.75338976211289	-110.8691964	454188.57290025163	4404324.14807249	3458.008193073358	3348.04897272227	3338.725638891293	3338.725638891293	31.0224383304314	31.0224383304314
108	391	288708	-300321.1413	141479.797310250766	35.7534104667756	-110.8668058	454389.62899603	4404320.01044497	3451.95369534058	3347.301618152	3337.515306487	3337.515306487	30.900737723689024	30.900737723689024
109	391	288709	-299661.1413	141479.797310250766	35.7534315989595	-110.8645184	454591.7404622081	4404317.7043342	3445.82582855454	3347.03171489702	3337.515306487	3337.515306487	30.7845963876195	30.7845963876195
110	391	288710	-299001.1413	141479.797310250766	35.7534532688304	-110.8621596	454792.78563173344	4404307.51005133	3441.32284258231	3344.82346321886	3335.0675303714			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvBotKgr.ft	SurfTotKgr.ft	SurfBotKgr.ft
193	288793	-242221.1413	104797.3170250766	39.559957034445	-101.6674719	271478.5321831468	4039688.374	328.766279472073	3305.574187594638	3247.868713075753	3238.5345454783243	37.5074452	67.03973281631352	
194	288794	-243561.1413	104797.3170250766	39.55601361780991	-101.6651262	271679.5861762786	4039684.248074223	330.632661315308	3304.765262656248	3247.2644524121565	3237.5625412012467	57.25953241349166	66.94745261318121	
195	288795	-242901.1413	104797.3170250766	39.55633195656766	-101.6657806	271860.3956496894	4039682.121692328	327.0616371768196	3303.490190230084	3246.176234639688	3246.176234639688	36.75142180651983	67.270960412725	
196	288796	-242421.1413	104797.3170250766	39.556045676790506	-101.6604349	272081.6394975262	4039595.99527375	316.113208876414	3302.41152351115	3247.3872900693183	3234.76719848377	65.0445230273735	66.6442350273735	
197	288797	-241581.1413	104797.3170250766	39.5506628830561	-101.6580892	272282.6748200571	4039581.87028269	300.1744779960406	3301.3506853144577	3246.107676908821	3240.45565628213	55.2430092	60.904728624505	
198	288798	-240921.1413	104797.3170250766	39.55028545033854	-101.6557435	272483.70991846756	4039477.744843296	300.1763110623978	3300.284783336604	3245.96987372034	3241.2240333651606	54.334960156621	59.06044489194775	
199	288800	-240261.1413	104797.3170250766	39.5500937538522	-101.6533978	272684.74479296355	4039436.61926651	349.227713103269	3299.221508121138	3245.9916406457696	3241.91568261137	53.2208674736832	57.29682505076005	
200	288820	-239601.1413	104797.3170250766	39.55115850949664	-101.6510621	272885.7794437519	4039399.449659294	348.79866809317	3298.13356728677	3246.76381529394	3243.83637939306	52.3671885754306	54.29717833230174	
201	288801	-238941.1413	104797.3170250766	39.5513222	-101.6487664	273086.8189710384	4039365.969894311	348.870100196958	3297.04623732563	3246.026713047057	3244.699775674214	51.01862466661299	52.3554899942999	
202	288802	-238281.1413	104797.3170250766	39.5514656913587	-101.6463607	273287.8492	403931.245	347.94171170252147	3295.94055634015	3246.457436623157	3246.8815271141672	49.257523123422	49.257523123422	
203	288803	-237621.1413	104797.3170250766	39.5516500574938	-101.644015	273488.8821557346	4039271.1203138	347.62766938071	3294.80514062538	3247.0203642807824	3247.610145336422	47.82014974552567	47.23036851266579	
204	288804	-236961.1413	104797.3170250766	39.5518130004588	-101.6416693	273689.919913964	4039222.99700414	348.922959206836	3292.791261688397	3247.5403710273904	3248.0150348597968	46.17889606116794	45.7842882859962	
205	288805	-236301.1413	104797.3170250766	39.5519745025254	-101.6393236	273890.9449442477	4039178.87433768	349.23148775453093	3292.5842918487865	3247.753875453093	3248.5663677715447	44.81034463943925	44.01792407724179	
206	288806	-235641.1413	104797.3170250766	39.552175268758	-101.6369779	274091.8627612474	403914.75	349.7533383	3291.431189275376	3247.9287807904235	3248.4324694141	43.50632814711409	43.00087196933958	
207	288807	-234981.1413	104797.3170250766	39.5522971102735	-101.6346322	274293.0158527437	4039010.626635893	3505.0304124110135	3290.2688370920014	3247.3446310072241	3247.9226590562077	42.94582905662444	42.94582905662444	
208	288808	-234321.1413	104797.3170250766	39.5524602406076	-101.6322685	274494.0487213073	403908.504	3512.7225745718013	3289.050127840714	3246.1784313563358	3246.398490612776	42.6865778079388	42.6865778079388	
209	288809	-233661.1413	104797.3170250766	39.5526209177156	-101.6299408	274695.013681804	4039082.380797452	3502.4147369041016	3288.18267404907	3244.1051597529007	3244.4311824483952	42.7800632198402	42.7800632198402	
210	288810	-233001.1413	104797.3170250766	39.5527814116517	-101.6279591	274896.1173930913	4039022.5925320	3528.106915045164	3286.67319168705	3241.122652264231	3241.5607894197953	42.55053942283396	45.11406727447144	
211	288811	-232341.1413	104797.3170250766	39.5529400124149	-101.6252944	275097.146	4038894.139222383	3531.3064503015764	3285.4919420417	3237.0849694960927	3237.5846051137531	43.595964759434205	47.86458928858645	
212	288812	-231681.1413	104797.3170250766	39.5531002300054	-101.6229307	275298.1779791323	4038810.1364093	3512.7225745718013	3284.217538915048	3232.2932276540416	3232.9362327463363	51.7821229622968	51.7821229622968	
213	288813	-231021.1413	104797.3170250766	39.5532590944266	-101.62058	275499.209740105	403885.89201622	3528.73330412131	3282.981767552821	3232.0530034138973	3232.447943854466	55.94219317373642	55.94219317373642	
214	288814	-230361.1413	104797.3170250766	39.5534170505663	-101.6182123	275700.241281088	403881.70415962	3527.4467704875231	3281.745759377035	3231.749755002526	3231.958574533368	59.9601024447465	59.97471804843353	
215	288815	-229701.1413	104797.3170250766	39.5535781969865	-101.6161784	275917.4559892847	4038832.929564365	3518.0123844424374	3279.3454901182128	3230.9690457519446	3231.16246688196857	79.4213388716737	79.4213388716737	
216	288816	-229041.1413	104797.3170250766	39.553733	-101.6132029	276102.3037058963	4038817.527949049	3525.894017657581	3279.265941017412	3231.1880236948203	3232.3131196592917	80.451040082906	66.5728442442951	
217	288817	-228381.1413	104797.3170250766	39.5538900233522	-101.6111752	276303.3457994467	403889.40707778	3525.268667962567	3278.0698153984285	3230.7599346225808	3230.994977650834	70.4695971284797	70.4038774754951	
218	288818	-227721.1413	104797.3170250766	39.5540466	-101.6088295	276504.365239301	403885.26445291	3524.677941894645	3276.8645246721608	3230.786624864694	3240.160430266906	70.0789980746537	72.70409440255465	
219	288819	-227061.1413	104797.3170250766	39.55420276427174	-101.6064838	276705.3967288905	403881.1660545788	3523.10339444362	3275.6743853708917	3230.254942123886	3230.63982635439	75.0149423254582	75.0149423254582	
220	288820	-226401.1413	104797.3170250766	39.5543584564678	-101.6041381	276906.4259898385	4038857.045904626	3525.5078944436247	3274.5006995016306	3231.1754491894203	3231.975158834	77.32525031	76.9818653287071	
221	288821	-225741.1413	104797.3170250766	39.5545135954668	-101.6017874	277107.4559892847	4038832.929564365	3518.0123844424374	3273.3454901182128	3230.9690457519446	3231.16246688196857	79.4213388716737	79.4213388716737	
222	288822	-225081.1413	104797.3170250766	39.554668392922	-101.5994466	277308.4658909292	4038817.527949049	3525.894017657581	3279.265941017412	3231.1880236948203	3232.3131196592917	80.451040082906	66.5728442442951	
223	288823	-224421.1413	104797.3170250766	39.5548282140016	-101.5971009	277509.5152430517	4038844.68699297	3512.934843888915	3271.0072760534462	3232.153633708946	3232.9362327463363	78.793919444367	78.793919444367	
224	288824	-223761.1413	104797.3170250766	39.554976934934	-101.5947552	277710.54458725813	403840.56712331	3510.614247268859	3270.065436347522	3231.065436347522	3231.065436347522	77.7995603724467	77.7995603724467	
225	288825	-223101.1413	104797.3170250766	39.5551301198086	-101.5924095	277911.5737124024	403836.487669065	3507.89741651276	3268.93082160583	3231.915376330942	3231.915376330942	77.4252182964113	77.4252182964113	
226	288826	-222441.1413	104797.3170250766	39.555283092465	-101.5900638	278112.606193403	403832.330060519	3507.89741651276	3267.89139642439	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
227	288827	-221781.1413	104797.3170250766	39.5554358129069	-101.5877781	278313.61308085	403832.330060519	3507.89741651276	3267.89139642439	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
228	288828	-221121.1413	104797.3170250766	39.5555877969865	-101.5853723	278514.6597198847	403824.093371672	3497.84691524903	3266.849501182128	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
229	288829	-220461.1413	104797.3170250766	39.555739293294	-101.5830268	278715.6880319947	403819.75382826	3493.6560321074358	3265.849501182128	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
230	288830	-219801.1413	104797.3170250766	39.55589045372105	-101.5806809	278916.71067576	403815.85	3489.453148259683	3264.861842586376	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
231	288831	-219141.1413	104797.3170250766	39.5560041606968	-101.5783352	279117.743885531	403811.740143513	3487.3476954653953	3263.86470992825	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
232	288832	-218481.1413	104797.3170250766	39.55619415103765	-101.5759895	279318.7148710286	403807.62282148	3487.3172591833701	3261.915004552616	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
233	288833	-217821.1413	104797.3170250766	39.5563442159273	-101.5736437	279519.7988713123	403803.506	3487.267923732031	3260.9505019664157	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
234	288834	-217161.1413	104797.3170250766	39.55649056636376	-101.5712798	279720.62388082	403819.75382826	3487.267923732031	3259.988985186158	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
235	288835	-216501.1413	104797.3170250766	39.55664281906235	-101.5691151	279921.680920231	403824.093371672	3487.267923732031	3258.988985186158	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
236	288836	-215841.1413	104797.3170250766	39.5567878995182	-101.5666066	279921.680920231	403824.093371672	3487.267923732031	3258.988985186158	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
237	288837	-215181.1413	104797.3170250766	39.55693388768814	-101.5642088	280323.9062343677	403824.093371672	3487.267923732031	3258.988985186158	3231.915376330942	3231.915376330942	78.793919444367	78.793919444367	
238	288838	-214521.1413	104797.3170250766	39.5570384226774	-101.5619151	280524.305245489	40							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	WatcHsLogKgr.f	SatHBothKgr.f
319	288919	-161061.1413	104797.3170250766	39.756752871928576	-113.7919082	296807.36537536094	4043050.341548952	3331.7321957400723	313.34790883871197	3062.9855398278582	3062.8466732073434	304.9348555934143	70.63245171896525	
320	288920	-160401.1413	104797.3170250766	39.75675305925674	-113.6964208	317.30673744801544	4043446.254434096	3318.2642008673495	312.1606095428734	3059.7138458187515	3058.5964900262734	72.4462343	72.59157024316028	
321	288921	-159781.1413	104797.3170250766	39.75672480128474	-113.6272166	297209.38378621636	404342.148961187	3298.7862203884277	3130.8418913218984	3054.00484385423	3054.7834748846046	75.79304748846046	75.99616489054229	
322	288922	-159081.1413	104797.3170250766	39.75675848795259	-113.3644708	297410.309837607	404303.532832053	3291.3282327210539	3129.52776664633	3051.514931904485	3050.270321210539	70.13023473197815	70.31984054592431	
323	288923	-158421.1413	104797.3170250766	39.756779674932026	-113.362525	297611.401420872	404333.9585327245	3280.519388425635	3128.2196907504026	3046.307464719065	3045.96483892371	81.1122603133747	82.2547068830173	
324	288924	-157761.1413	104797.3170250766	39.7568076053679	-113.3601792	297812.40991410566	404349.933622135	3268.193302664228	3042.458498075912	3042.0334034548243	3041.84250264180434	86.8448261640384	86.8448261640384	
325	288925	-157101.1413	104797.3170250766	39.75681641609493	-113.3578334	298013.818227321	404355.768491455	3264.219985753514	3125.623915	3039.155314794748	3038.68289887045	86.6477903871193	86.9402602884746	
326	288926	-156441.1413	104797.3170250766	39.75682918	-113.3554476	298214.4263428417	404321.673795982	3256.07796492984	3126.839649196625	3036.557062297344	3035.9303876077355	87.77653223337	88.3398505894968	
327	288927	-155781.1413	104797.3170250766	39.75672480128474	-113.3531418	298415.4326269714	404341.757862741	3252.932175686987	3034.570255127702	3033.9625757551446	3033.9625757551446	88.47774173169773	88.47774173169773	
328	288928	-155121.1413	104797.3170250766	39.75680557635501	-113.350796	298616.442	404343.851694135	3254.826732275896	3121.75400581023	3033.489511738744	3032.54231465327	89.145649842278	89.1230796	
329	288929	-154461.1413	104797.3170250766	39.7568610580111	-113.348502	298817.44560528466	404309.931215992	3256.7143470864026	3120.461453517023	3032.590205432219	3031.714538184966	87.89120991938212	88.76878532506252	
330	288930	-153801.1413	104797.3170250766	39.75687178992698	-113.3461044	299018.4563280294	404305.297502472	3258.6011841583496	3119.1927323709388	3032.31662739111	3031.9334848673	86.8710693	88.1509852237143	
331	288931	-153141.1413	104797.3170250766	39.756882382373525	-113.3437586	299219.54060213427	404301.204206804	3258.597544	3117.8964600454242	3032.2427898857694	3031.016340423919	85.653870775482	86.88012017160509	
332	288932	-152481.1413	104797.3170250766	39.756892822222554	-113.3414127	299420.470950987	404301.3171093056	3258.70124431757	3115.590632318818	3031.941440675626	3030.52010544626	84.6491914	86.0701217655282	
333	288933	-151821.1413	104797.3170250766	39.75690327038716	-113.3390668	299621.4747	404339.018	3254.804894479355	3115.273787949183	3031.1259717536107	3030.52010544626	84.6491914	86.0701217655282	
334	288934	-151161.1413	104797.3170250766	39.756913673231374	-113.336721	299822.484746109	404338.925045173	3252.90844441173	3113.944028306127	3030.594707208204	3029.2230911036913	83.3480562241238	84.71131173	
335	288935	-150501.1413	104797.3170250766	39.75692400755144	-113.3343753	300023.4906201502	404338.82331018	3247.823048995052	3112.597174155834	3030.288746	3028.640538315738	82.3402777555426	83.1956840409629	
336	288936	-149841.1413	104797.3170250766	39.75693434295848	-113.3320295	300224.4970705666	404330.74	3242.8304717630023	3111.232965536996	3030.071763401256	3028.640538315738	81.225872387402	83.1446810768182	
337	288937	-149181.1413	104797.3170250766	39.756944609841305	-113.3296837	300425.5027453704	404337.648222529	3241.32366959963	3109.845368277148	3029.760525516137	3028.640538315738	80.08484302535416	82.21340591833541	
338	288938	-148521.1413	104797.3170250766	39.75695843140367	-113.3273379	300626.5084783791	404337.25564235	3222.998357599046	3108.429535707779	3029.608236754201	3027.1232343701754	78.6212983537821	81.2970134	
339	288939	-147861.1413	104797.3170250766	39.75696950764551	-113.3249821	300827.514048046	404338.464872836	3222.44770281384	3106.89563195147	3029.4792340599153	3027.83127474522	77.50641828923153	79.2025572062464	
340	288940	-147201.1413	104797.3170250766	39.75697514	-113.3226463	301028.51941748548	404336.437556783	3222.4618476187145	3105.5196601980424	3029.3723696595526	3026.65027121218	76.754323844985	78.8694329862445	
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363	288963	-132021.1413	104797.3170250766	39.75719564124509	-113.2688925	305651.5886245064	404320.73394327	3215.0651380675913	3087.771326371094	3024.8345983751036	3029.317164094748	78.6212983537821	81.2970134	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogs.krg	BRIElevBoth.krg	SatThkLogs.	SatThkBoth.
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454	39054	289054	-71961.14133	1047973.7170250766	36.757828313875	-101.0552203	323491.90707446	4402899.54	3036.1929146330617	2999.5117427080095	2996.57208106147	2998.523040608047	2.9174475019837306	0.9796336471249046
455	39055	289055	-71301.14133	1047973.7170250766	36.757830206982	-101.0528744	324124.8813156683	4402894.469378923	3010.000441718651	2999.3812077281	2995.144997831302	2997.288915239443	4.179319376	2.0297018081269046
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459	391	289059	-68661.14133	1047973.7170250766	36.75785712	-101.0434809	324948.82717809174	4402879.721017933	3058.8719823002216	2998.7249172714996	2998.0957111869206	2995.436268010054	5.994267839957502	3.5812947047336954
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465	39065	289065	-64701.14133	1047973.7170250766	36.75788458875975	-101.0294157	326152.7255776373	4402854.805401793	3069.98696238403	2998.09833818924	2991.70890969929	2992.1239898347	6.910754021994762	5.973740576678285
466	391	289066	-64041.14133	1047973.7170250766	36.75788901927154	-101.027069	326353.7065211754	4402850.783535795	3068.468936256813	2998.08798565265	2992.515944046195	2992.863740544776	5.448254910205507	5.117064362
467	391	289067	-63401.14133	1047973.7170250766	36.757893199309645	-101.024724	326554.05901199	4402849.327289849	3068.33841498137	2998.07458361301107	2991.4585712846727	2991.4585712846727	6.158622739772545	5.351684517848454
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469	39069	289069	-62061.14133	1047973.7170250766	36.7579002805606	-101.0200322	326956.6545	4402838.601795412	3055.706623056638	2997.561190872107	2990.460818410017	2990.973284184562	7.052530340619976	6.542834902459617
470	391	289070	-61401.14133	1047973.7170250766	36.75790264781454	-101.0176864	327157.6326623459	4402834.542	3050.89785951307	2997.30961465761	2990.2356577819043	2990.6904595686709	7.01046875766569	6.700154970961618
471	391	289071	-60711.14133	1047973.7170250766	36.75791044175495	-101.0153405	327358.6178999189	4402830.481616901	3049.7097043074076	2997.07943074076	2990.7808629081	2990.114470260157	7.9133418326736	6.956178083981942
472	391	289072	-60081.14133	1047973.7170250766	36.7579145899471	-101.0129426	327559.59936591785	4402826.421885738	3066.7771921792564	2996.79316912609	2998.107222611306	2999.567880702624	7.96937090807729	7.2292124666464579
473	391	289073	-59481.14133	1047973.7170250766	36.75791698399645	-101.0106488	327760.589656474	4402822.36230291	3078.9746230819782	2996.3275213576545	2998.262423590505	2997.869240972945	8.158622739772545	7.378710079596696
474	391	289074	-58761.14133	1047973.7170250766	36.757919611422	-101.0083923	327951.561790142	4402816.37013953	3091.1697140849365	2996.157910753	2998.63746989	2998.63746989	8.347764989	7.6677919
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477	391	289077	-56781.14133	1047973.7170250766	36.7579345626968	-101.0012653	328564.5041895013	4402806.126801492	3082.587046025904	2996.28752689794	2996.611447012384	2996.3763595	12.2668267855543	18.47028502282394
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479	391	289079	-55481.14133	1047973.7170250766	36.75794236022179	-100.9968735	328966.464958312755	4402798.010451167	3075.6349344414	2995.75905385198	2995.561221751306	2995.002350538162	28.194683634652396	28.75358449972923
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482	391	289082	-53481.14133	1047973.7170250766	36.75795353913716	-100.9895359	329569.404564336	4402785.837702082	3082.92083475189	2991.92855360909	2996.103714850313	2998.6725345049884	29.22132755876493	28.0561029019364
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484	391	289084	-52161.14133	1047973.7170250766	36.757960836459404	-100.9848441	329917.363621114	4402777.723199414	3082.791013899921	2990.620218076165	2991.261884211077	2991.261884211077	29.22132755876493	28.0561029019364
485	391	289085	-51501.14133	1047973.7170250766	36.7579634373955	-100.9824893	330172.34323604009	4402773.667100675	3087.7847681407673	2991.79428081677	2990.783200799904	2990.783200799904	29.22132755876493	28.0561029019364
486	391	289086	-50841.14133	1047973.7170250766	36.7579679096721	-100.9801524	330373.3224100293	4402769.610710761	3074.776545211648	2990.727185203494	2990.727185203494	2990.727185203494	29.22132755876493	28.0561029019364
487	391	289087	-50181.14133	1047973.7170250766	36.75797138712807	-100.9778134	330574.38812807	4402764.2286112807	3078.1617893824	2996.25227235399	2998.450917584888	2991.11106965710144	34.93697023201306	35.11106965710144
488	391	289088	-49521.14133	1047973.7170250766	36.75797480164509	-100.9754616	330781.2801996773	4402761.4986717	3077.852439374704	2996.25227235399	2998.450917584888	2991.11106965710144	34.93697023201306	35.11106965710144
489	391	289089	-48861.14133	1047973.7170250766	36.75797817963328	-100.9731148	330976.25884874386	4402757.4422972567	3087.316327273					

ix	iy	ic	X.Yr	Y.r	Latitude	Longitude	UTM.Y	SurfElev.T	W.Lt.	BRIElevLogs.f	BRIElevBoth.f	SatThkLogs.f	SatThkBoth.f
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572	28917	5218.85867/730351	149797.3170250766	38.58100558129414	-100.7784066	347656.9353196907	4020421.85284511	2905.2598841055624	2717.1530481403948	2754.677494454998	2754.677494454998	0	0
573	28917	6578.85867/730351	149797.3170250766	38.5810012901151	-100.7690231	348460.7966537748	4020417.171898931	2899.6184397123092	2738.091008918413	2759.0257224413886	2759.0257224413886	0	0
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596	28919	21758.85867/730351	149797.3170250766	38.5807175031291	-100.7221054	352480.0698618927	4020324.862537824	2786.871072873773	2665.938770202077	2696.868832077405	2696.1851737760318	0	0
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615	28923	34298.85867/730351	149797.3170250766	38.5804117980302	-100.6775336	356298.3265703008	4020248.33854738	2671.25236868818	2634.403679685387	2627.568623521191	2626.55689018493	16.51076040734728	17.11011066689026
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617	28927	35618.85867/730351	149797.3170250766	38.58036378500066	-100.6728419	356700.24548258266	4020240.28301975	2704.60735728851	2631.062270546627	2613.1908322643094	2613.1908322643094	17.86939479035273	18.2784218808054
618	28928	36278.85867/730351	149797.3170250766	38.5803393986465	-100.670496	356901.2046213227	4020236.258331959	2711.284969586184	2629.3688440551396	2612.218922	2611.7655249292357	17.14992197988977	17.60331912909391
619	28928	36938.8586											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogsKrg.	BR ElevBothKrg.	SatHtLogsKrg.	SatHtBothKrg.
99	391	289297	88418.85867730335	104797.3170250766	36.75789568675029	-100.4851722	3727.76.5658049787	4041919.035282935	2730.667101936707	218.686199	2539.98747928514	2539.827172	78.8867200188662	78.8902737
998	391	289298	88407.85867730335	104797.3170250766	36.7578954229616	-100.4828264	37297.51.468776964	4041919.035280215	2736.121483778417	2617.7465710710953	2541.834443033414	2541.73717893423	75.9112803158712	76.00879317762749
999	391	289299	88398.85867730335	104797.3170250766	36.7578943348469	-100.480608	3731.78.46349497164	4041911.024	2739.2002714667134	2616.719740972264	2543.954724067738	2543.654724067738	72.7935439020664	73.0640165684476
700	391	289300	88380.85867730335	104797.3170250766	36.7578724951492	-100.4781347	3733.9267140291127	4041905.017284316	2738.026110273981	2615.62110273981	2545.08537104257	2545.08537104257	69.5413653525525	69.5413653525525
701	391	289301	88369.85867730335	104797.3170250766	36.757670119131976	-100.4757888	373580.3660122931	4041903.012691529	2741.664509740034	2614.487685702598	2548.09505511149	2547.9037264948765	66.39218065917	66.5839592753822
702	391	289302	88358.85867730335	104797.3170250766	36.7576474	-100.474343	373781.3090132055	4041899.00763434	2741.364107306846	2613.3109727182605	2550.1726701864045	2549.934351855597	63.4079450090935	63.4079450090935
703	391	289303	88347.85867730335	104797.3170250766	36.7576842239132	-100.470971	373982.2572941604	4041890.026160205	2741.01074593941	2612.1038985165733	2552.2309352321312	2551.7661126114814	59.7276509526144	60.337743529191
704	391	289304	88336.85867730335	104797.3170250766	36.7576502603817	-100.4687513	374183.20545537316	4041880.99232328	2739.583520160231	2610.87104408038	2546.1595760279006	2553.3535263801286	56.71146806	57.3344170889636
705	391	289305	88325.85867730335	104797.3170250766	36.757645436316	-100.466604	374384.15349740433	4041868.93887211	2738.1988972406734	2609.51898777391	2555.3645662041743	2548.585881633636	54.2208402155608	54.2208402155608
706	391	289306	88314.85867730335	104797.3170250766	36.75763783373623	-100.4640495	374585.1014193711	4041862.9877775	2738.734472933693	2608.573097127115	2557.463865115896	2557.1365652321312	50.8741591323536	51.200425489633
707	391	289307	88303.85867730335	104797.3170250766	36.7576326804757	-100.4617137	374786.0480252708	4041878.985030526	2738.1045546772507	2607.0365152473075	2559.000858790291	2558.69211785863	48.03575645	48.34448496874395
708	391	289308	88292.85867730335	104797.3170250766	36.757626137406994	-100.4593678	374986.99604664705	4041874.982268692	2737.210215872719	2605.74181231143	2559.953789073064	2559.62967765334	45.7603921607574	46.0845824564108
709	391	289309	88281.85867730335	104797.3170250766	36.7576195444463	-100.4570022	375187.3444740536	4041870.949	2737.433697771873	2604.730429325343	2559.704046748496	2559.497252525396	44.677885	44.8731767940725
710	391	289310	88270.85867730335	104797.3170250766	36.75761129061644	-100.4546761	375388.8919194517	4041865.76706505	2737.0162827719	2603.058958060846	2558.80388723208	2558.505892830162	42.4019721087671	44.4553143
711	391	289311	88259.85867730335	104797.3170250766	36.757602255449	-100.4523203	375589.839481908	4041862.97280233	2729.0287510359224	2601.62666027519	2557.853649517633	2557.375969505977	40.6702523755934	42.4447002
712	391	289312	88248.85867730335	104797.3170250766	36.75759494362674	-100.449984	375790.7845829294	4041858.97	2728.808145350786	2600.214863249654	2556.3995291324884	2556.25963025989	41.8133409716576	43.9552022276313
713	391	289313	88237.85867730335	104797.3170250766	36.757592719377215	-100.4476398	375991.73355157714	4041854.76633749	2718.557396650474	2598.784847597843	2555.166879078584	2555.09048119985	40.060769003536	43.780781058958
714	391	289314	88226.85867730335	104797.3170250766	36.7575859890595	-100.4452927	376192.806256346	4041850.95420981	2716.55363932515	2597.341761594465	2553.909371406084	2553.7972851112247	43.43202470332365	43.54429164822477
715	391	289315	88215.85867730335	104797.3170250766	36.75757903491293	-100.4429469	376393.6274	4041846.96335215	2706.80336675356	2595.8742241788614	2552.566331096787	2552.6055051113355	43.30789308207435	43.26867406572592
716	391	289316	88204.85867730335	104797.3170250766	36.7575712468474	-100.440601	376594.574224031	4041842.166195704	2705.047329722124	2594.386600505472	2551.303651639127	2551.304724391763	43.0824841140014	43.0824841140014
717	391	289317	88193.85867730335	104797.3170250766	36.75756516915027	-100.4382552	376795.52084763366	4041838.96018897	2703.291128778957	2592.1876535197	2549.967985753197	2550.64017703434	42.9109718710366	42.23792233190754
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719	391	289319	88171.85867730335	104797.3170250766	36.7575509747015	-100.433576	377197.45383971837	4041830.9884912	2700.0057884912	2589.5077789773514	2547.943772845893	2548.085125342672	42.6308258252074	42.6308258252074
720	391	289320	88160.85867730335	104797.3170250766	36.755400361869	-100.4312176	377398.36	4041826.95706774	2697.2074652780874	2588.23732	2545.97760612985	2546.42126430932	42.6357005	41.8160657200884
721	391	289321	88149.85867730335	104797.3170250766	36.7553688379549	-100.4288718	377599.301735974	4041822.976	2694.90781308742	2586.620177849184	2544.100141159573	2544.100141159573	42.6357005	41.8160657200884
722	391	289322	88138.85867730335	104797.3170250766	36.7552971165064	-100.4265259	377800.252149533	4041818.95620264	2692.608316886767	2585.4082006307	2542.662131377511	2543.1740885381	42.38607262846104	41.8741177866716
723	391	289323	88127.85867730335	104797.3170250766	36.7552248418416	-100.4241801	378001.19814009266	4041814.956115911	2690.06977156453	2584.92589079014	2541.546991923584	2541.9699118212575	41.8741177866716	41.8741177866716
724	391	289324	88116.85867730335	104797.3170250766	36.75751521	-100.4218342	378202.143946042	4041810.95624013	2693.348721120483	2581.785990980597	2541.2124039481	2541.746913930215	40.937605014891	40.03907705083182
725	391	289325	88105.85867730335	104797.3170250766	36.7574833782639	-100.419483	378403.989633533	4041806.95696333	2692.15302197238	2580.9118069022	2539.104374043584	2539.104374043584	40.937605014891	40.03907705083182
726	391	289326	88094.85867730335	104797.3170250766	36.75745741683286	-100.4171427	378605.032257505	4041802.9771202	2689.857625974025	2578.405179772207	2547.943772845893	2548.085125342672	39.9545628252074	39.9545628252074
727	391	289327	88083.85867730335	104797.3170250766	36.75743031120224	-100.4147467	378804.980684362	4041798.95129316	2694.691782324415	2576.75270387265	2546.162918679315	2546.2594523237664	35.1267867095003	34.0571630639859
728	391	289328	88072.85867730335	104797.3170250766	36.7574056702785	-100.4124509	379005.9263549996	4041794.95224004	2691.103128417531	2575.037019	2546.1763137613735	2542.92713197042	33.272051916341	32.0648698637126
729	391	289329	88061.85867730335	104797.3170250766	36.757478167631874	-100.410105	379206.813	4041790.96055134	2687.51447390126	2573.304184520137	2541.254547905075	2541.5093535317323	32.0495775343891	31.794813172281465
730	391	289330	88050.85867730335	104797.3170250766	36.75747022914376	-100.4077592	379407.816390041	4041786.96122699	2685.9258196707547	2571.555316705822	2540.30131403354	2540.30131403354	31.794813172281465	31.794813172281465
731	391	289331	88039.85867730335	104797.3170250766	36.7574403287534	-100.4054133	379608.761395594	4041782.963290681	2684.799439100651	2569.794141	2539.427376550326	2539.830944027134	30.6408426813705	29.9604444836395
732	391	289332	88028.85867730335	104797.3170250766	36.7574153701367	-100.403076	379809.967097387	4041778.9587907	2683.715302197238	2568.0118069022	2539.104374043584	2539.104374043584	29.9604444836395	29.9604444836395
733	391	289333	88017.85867730335	104797.3170250766	36.75744771683286	-100.4007216	380010.8510569772	4041774.96823498	2685.50072592496	2566.221178374274	2539.362058526703	2539.362058526703	28.691165107708	27.516297327872057
734	391	289334	88006.85867730335	104797.3170250766	36.7574399092938	-100.3983758	380211.9573054855	4041770.97057121	2684.84811121566	2564.46118954963	2540.0175950318975	2540.0175950318975	27.516297327872057	27.516297327872057
735	391	289335	88005.85867730335	104797.3170250766	36.7574321950443	-100.39603	380412.54028175795	4041766.973056717	2683.958198142667	2562.5985975057097	2539.9185152605117	2541.7002016321473	26.082405255797	26.082405255797
736	391	289336	88004.85867730335	104797.3170250766	36.75742440285805	-100.3936841	380613.48471981206	4041762.97462999	2683.617173492432	2560.76882619391	2540.2516643092807	2541.522366982767	25.854229426025	25.854229426025
737	391	289337	88003.85867730335	104797.3170250766	36.7574153701367	-100.3913383	380814.42904941833	4041758.97915045	2682.93345861918	2558.9278837221702	2539.983073937581	2539.983073937581	24.999999999999999	24.999999999999999
738	391	289338	88002.85867730335	104797.3170250766	36.7574063306103	-100.389004	381015.373	4041754.963173752	2682.7449762595974	2557.0754931902407	2540.132845219586	2540.2651834151366	24.9185066220873	24.9185066220873
739	391	289339	88001.85867730335	104797.3170250766	36.7574063306103	-100.386676	381216.313	4041750.96823498	2682.55072592496	2556.221178374274	2539.362058526703	2539.362058526703	24.9185066220873	24.9185066220873
740	391	289340	88000.85867730335	104797.3170250766	36.7574063306103	-100.384308	381417.2613							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatTbElevKgr.ft	SatTbBoth.ft
83	382	289423	-316821.1413	1050457.3170250766	36.547549366	-101.925518	249367.3189845895	40442625.09181231	3578.3202209538093	3475.253083829957	3406.466299	3408.6448263328934	24.259009963755626	22.080481969202252
84	382	289424	-316161.1413	1050457.3170250766	36.54754135986414	-101.9231724	24998.380671723302	4044620.386087252	3572.1552623408254	3426.6544379564085	3402.207379574005	3440.541399613208	24.447066391279592	21.113038342480195
85	382	289425	-315501.1413	1050457.3170250766	36.5474707720305	-101.9208738	24879.4246827474	4044616.785441165	3568.883264147157	3422.615164164648	3398.1791993985	3402.709837824236	24.4371841803831	19.90549130415282
86	382	289426	-314841.1413	1050457.3170250766	36.54758719228064	-101.9184182	249079.5033207674	4044612.639290246	3559.8253158349674	3384.812227371926	3398.4621254389714	3399.768951454616	23.80082381954764	18.873260277309995
87	382	289427	-314181.1413	1050457.3170250766	36.54780315983215	-101.9161356	250171.56430126942	4044608.48	3554.364717474364	3414.744302750155	3391.6126809850507	3397.3881304082565	23.131621765104228	17.346172701894667
88	382	289428	-313521.1413	1050457.3170250766	36.5480186736354	-101.913179	250372.62503533505	4044581.382206679	3549.615869993548	3410.9270087268383	3388.91439497627	3395.0534515375402	22.573857718929026	16.587357718929026
89	382	289429	-312861.1413	1050457.3170250766	36.5482331341955	-101.9114444	250573.68552277086	4044600.17621417	3544.864525160377	3407.193432738377	3386.241885340788	3393.129243984088	22.0462420524906	14.06421329492647
90	382	289430	-312201.1413	1050457.3170250766	36.54844834188724	-101.9090807	250774.74573678483	4044596.024408904	3540.1132551628287	3403.544833721141	3383.7729159359997	3390.16591493984	21.791778514314	12.62842271432417
91	382	289431	-311541.1413	1050457.3170250766	36.54866925	-101.906751	250975.8057588138	4044591.6724664674	3538.883264147157	3399.8618427636227	3381.4625872337474	3380.140268276903	18.69925589546758	11.841551534721602
92	382	289432	-310881.1413	1050457.3170250766	36.54887619784796	-101.9044075	251176.8655	4044587.71677224	3393.68977401892	3396.50452225467	3377.241766941601	3386.749721732418	15.2827552804584	9.37475009
93	382	289433	-310221.1413	1050457.3170250766	36.549084461163	-101.9020619	251377.92501035513	4044589.70564966	3525.9911263889703	3383.1123710245374	3377.2845928911916	3386.347462890755	15.86291174265802	6.764508117482264
94	382	289434	-309561.1413	1050457.3170250766	36.5493024212425	-101.8997163	251578.984267749	4044579.41964015	3521.29267330483	3389.804611258802	3375.42960404193	3384.75343435615	14.375004454609415	5.69626905187305
95	382	289435	-308901.1413	1050457.3170250766	36.5495145832288	-101.8973707	251780.0432797462	4044585.92630268	3516.885498078864	3386.5832510067125	3373.705576668736	3381.8825910018427	12.77076433683389	4.70606005
96	382	289436	-308241.1413	1050457.3170250766	36.5497247206785	-101.895025	251981.1024056515	4044571.19108409	3512.769696744854	3383.447153	3372.1933231038915	3372.2067206013735	11.253924913810658	3.6408819414263325
97	382	289437	-307581.1413	1050457.3170250766	36.549897790776624	-101.8926794	252192.1605840334	4044566.99884941	3508.685338487788	3380.395358487788	3370.597058	3375.101135969674	9.79640039095968	5.252384488111566
98	382	289438	-306921.1413	1050457.3170250766	36.550148993206	-101.8903338	252383.2185447418	4044562.819140351	3504.53809077683	3377.49112925471	3369.0770144894245	3373.367399	8.49014395326639	4.05173066801023
99	382	289439	-306261.1413	1050457.3170250766	36.55039419713134	-101.8879882	252584.27887788193	4044558.66664311	3502.238365297375	3374.502026879932	3367.533631120782	3371.421556376645	6.98481759140887	3.09864650377905
100	382	289440	-305601.1413	1050457.3170250766	36.55056949599755	-101.8854245	252785.3466613467	4044550.250227975	3501.7247174410595	3373.691609703711	3365.8402965309556	3368.907969703711	5.85327576361131	2.6955849448199902
101	382	289441	-304941.1413	1050457.3170250766	36.5507791191181	-101.8832966	252986.3922101361	4044550.371317277	3501.2106958444	3368.932155478973	3363.917606299256	3366.2911334649506	4.91454917971705	2.713024010224487
102	382	289442	-304281.1413	1050457.3170250766	36.550982880993	-101.8809513	253187.4495101926	4044546.222266828	3500.7112727829	3360.2341011400367	3361.2543685264154	3362.9147623621309	3.59736213621309	3.139841468285487
103	382	289443	-303621.1413	1050457.3170250766	36.551197059257	-101.8786056	253388.566665617	4044542.073877817	3499.640614437717	3363.99349277277	3357.524406152255	3368.8989082677	6.068743125475976	4.753149195053695
104	382	289444	-302961.1413	1050457.3170250766	36.5514052696102	-101.87626	253589.5637930984	4044537.925310348	3498.694583512772	3363.765893939242	3357.624435659584	3354.2051471926305	6.70352714	6.972744811363469
105	382	289445	-302301.1413	1050457.3170250766	36.55162730014856	-101.8740121	253790.1894877817	4044531.177165898	3498.061955310297	3363.481955310297	3357.037801955310297	3354.2051471926305	6.70352714	6.972744811363469
106	382	289446	-301641.1413	1050457.3170250766	36.55182043753076	-101.8715867	253991.67267513167	4044529.629	3497.1490142567976	3363.5928074287335	3343.059567305072	3348.561547489794	12.66850312366142	12.3619156757402
107	382	289447	-300981.1413	1050457.3170250766	36.5520273417839	-101.8692231	254192.73225873173	4044528.46160857	3496.983117284813	3363.4435607973	3343.788474398553	3347.490731263323	13.645081873119629	13.13176170337629
108	382	289448	-300321.1413	1050457.3170250766	36.552233792808	-101.8668775	254393.7881995128	4044521.334261147	3496.5780762349774	3363.10583246571	3343.69292501641	3346.89129209652	16.2946794878305	16.19612700220616
109	382	289449	-299661.1413	1050457.3170250766	36.5524347908287	-101.8645318	254594.8437954506	4044517.107102335	3494.57750556794	3362.36113284235	3343.175750546786	3345.98273246917	17.08471509100865	17.08471509100865
110	382	289450	-299001.1413	1050457.3170250766	36.5526453356289	-101.8621862	254795.8991535051	4044510.04071814	3494.07455552008	3362.150063306569	3342.743751184893	3342.8184308	16.46031818070662	17.335745849418896
111	382	289451	-298341.1413	1050457.3170250766	36.55285942727984	-101.8598406	254996.95426737258	4044506.838512772	3493.6895838512772	3361.76379784503	3342.487186719724	3342.487186719724	17.2810268313906	17.2810268313906
112	382	289452	-297681.1413	1050457.3170250766	36.55305505914856	-101.8574949	255198.091303616	4044504.7440739163	3493.484343435913	3361.334562391373	3342.487186719724	3342.487186719724	17.2810268313906	17.2810268313906
113	382	289453	-297021.1413	1050457.3170250766	36.55325920511342	-101.8551492	255399.6037698106	4044500.60894185	3360.59607698567	3339.049870540486	3342.45502271164	3342.5391897254463	15.59435062431959	16.510722002166
114	382	289454	-296361.1413	1050457.3170250766	36.553462833364	-101.8528036	255600.118553778	4044496.54043805	3360.341468008409	3339.726950486049	3342.3696283439	3342.5391897254463	15.59435062431959	16.510722002166
115	382	289455	-295701.1413	1050457.3170250766	36.5536662623883	-101.850458	255801.1272061366	4044492.309	3359.448016929014	3343.431251568023	3341.171474175403	3342.3696283439	15.59435062431959	16.510722002166
116	382	289456	-295041.1413	1050457.3170250766	36.55386980828925	-101.8481123	256002.22621266136	4044488.16376563	3358.049446785717	3342.1691471067106	3341.68526040668507	3342.3696283439	15.59435062431959	16.510722002166
117	382	289457	-294381.1413	1050457.3170250766	36.55404714611396	-101.8457668	256203.27987833118	4044484.01818705	3357.3521973026013	3339.94935988825	3341.74033382847	3342.3696283439	15.59435062431959	16.510722002166
118	382	289458	-293721.1413	1050457.3170250766	36.55423730014856	-101.843421	256404.3330333895	4044479.731819261	3356.657249521	3339.73107784503	3341.74033382847	3342.3696283439	15.59435062431959	16.510722002166
119	382	289459	-293061.1413	1050457.3170250766	36.55442748471037	-101.8410753	256605.36858803125	4044476.72818927	3355.7245950610267	3339.7245950610267	3341.74033382847	3342.3696283439	15.59435062431959	16.510722002166
120	382	289460	-292401.1413	1050457.3170250766	36.5546176960474	-101.8387297	256806.4393244167	4044471.584230673	3354.624559	3339.601414855326	3340.2364356773447	3341.74033382847	15.59435062431959	16.510722002166
121	382	289461	-291741.1413	1050457.3170250766	36.5548164206182	-101.836384	257007.4922368334	4044467.404007355	3354.544524062325	3341.810574617902	3340.379583349055	3340.74354624318	16.75391282996653	18.06103999584103
122	382	289462	-291081.1413	1050457.3170250766	36.5550576523883	-101.8340384	257208.5447014155	4044463.296	3354.448016929014	3343.431251568023	3341.171474175403	3342.3696283439	15.59435062431959	16.510722002166
123	382	289463	-290421.1413	1050457.3170250766	36.555257618143994	-101.8318927	257409.5989263917	4044459.1522709165	3353.391688319314	3342.058622067552	3340.218647081889	3339.696048	18.28789050662904	18.48405734652055
124	382	289464	-289761.1413	1050457.3170250766	36.55546753821023	-101.8293471	257610.6489119706	4044455.008743182	3353.416130387696	3341.72570674204	3340.218647081889	3339.696048	18.28789050662904	18.48405734652055
125	382	289465	-289101.1413	1050457.3170250766	36.55567248471037	-101.827007	257816.75819706	4044451.72818927	3352.657249521	3339.73107784503	3341.74033382847	3342.3696283439	15.59435062431959	16.510722002166
126	382	289466	-288441.1413	1050457.3170250766	36.55587248471037	-101.8246557	258012.751676006	4044446.722405414	3352.4365014524375	3341.914962125673173	3340.218647081889	3339.696048		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvBothKrg.ft	BREIEvBothKrg.ft	SatHtElev.ft	SatHtBoth.ft
209	392	289549	-233661.1413	1050457.3170250766	37.5710511233884	-01.62699616	274669.2147804951	4401043.091103089	35.19.793119906714	3227.2533499390325	3240.701361899461	3240.647961425133	45.55198809087142	46.785388956193955
210	392	289550	-233001.1413	1050457.3170250766	37.57099114	-01.62701878	274900.2469550014	440099.5883281147	3527.140524585887	3286.032390953766	327.679448770404	327.679448770404	48.80843055098103	48.80843055098103
211	392	289551	-232841.1413	1050457.3170250766	37.5707101433773	-01.62620071	2751.16712789	440045.951786117	3528.174658170817	3295.796931132037	3295.796931132037	3295.796931132037	51.08470178911578	51.08470178911578
212	392	289552	-231681.1413	1050457.3170250766	37.5712304	-01.6222943	275300.31065594	440133.52301442	3528.814039871456	3283.557227893841	3229.626033	3229.626033	53.93195112981186	54.0807260912069
213	392	289553	-231021.1413	1050457.3170250766	37.5713893166278	-01.6205785	275503.3241329898	440048.201449596	3527.4806239771956	3282.3110704148385	3224.964588048622	3224.964588048622	53.746482366816495	57.40281547151517
214	392	289554	-230361.1413	1050457.3170250766	37.5715473719753	-01.6182328	275704.3743185718	440083.07963876	3526.147008670335	3282.173380606323	3220.173380606323	3220.173380606323	60.91430028	60.5504648833919
215	392	289555	-229701.1413	1050457.3170250766	37.57170863201	-01.6155887	275905.404483524	440078.958689313	3525.264115938751	3279.821991289551	3215.537914309426	3215.537914309426	64.28407198802506	64.17498477988425
216	392	289556	-229041.1413	1050457.3170250766	37.571769320311334	-01.6139413	276106.4352813434	440074.836740063	3524.834525305343	3278.5866236976776	3211.1805043059633	3211.1805043059633	67.40612446392928	67.398308092615
217	392	289557	-228381.1413	1050457.3170250766	37.57200220589032	-01.6111955	276307.4659252655	440070.915852194	3524.3899579688365	3277.362104481181	3207.064048980658	3207.064048980658	69.79169846623321	69.79169846623321
218	392	289558	-227721.1413	1050457.3170250766	37.5721769815065	-01.6088947	276508.496350939	440065.59405298	3523.96560463129	3274.15486900385	3203.453371	3203.453371	72.458961406143	72.458961406143
219	392	289559	-227061.1413	1050457.3170250766	37.5722333109234	-01.606504	276709.52654156816	440062.474199373	3522.46997427117	3272.361362813613	3200.055248584573	3200.055248584573	74.95252141203933	74.95252141203933
220	392	289560	-226401.1413	1050457.3170250766	37.5724887	-01.6041582	276910.5560562817	440058.353834046	3519.903299982314	3273.780876691634	3196.89032412287	3196.89032412287	76.89055427934727	76.5646972
221	392	289561	-225741.1413	1050457.3170250766	37.5726349501953	-01.6018124	277111.5865253248	440054.231703095	3517.34853693457	3272.62444273179	3194.192666770495	3194.192666770495	78.2317550112932	78.2359056895223
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223	392	289563	-224421.1413	1050457.3170250766	37.5729630767165	-01.5971209	277513.6450854027	440045.941851183	3512.277827192014	3270.378683776812	3191.365204175884	3191.365204175884	80.913409289281	80.913409289281
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238	392	289578	-214521.1413	1050457.3170250766	37.5752173739561	-01.5619342	280528.331840428	440084.26042046	3488.944052351766	3255.785732704176	3176.9831779250176	3176.9831779250176	98.2523698958566	98.2523698958566
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253	392	289593	-204621.1413	1050457.3170250766	37.5773724429187	-01.5267472	283544.423625173	440022.516916009	3454.553205					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SatHtKgr.f
332	392	289675	-150501.1413	1050457.3170250766	38.75873094377996	-121.3343887	300027.9159563904	40043586.117	3250.4700647780373	311.2021404623368726	3029.4549970764347	3027.2192786018168	82.94646526043789	55.18218733505579
336	392	289676	-149841.1413	1050457.3170250766	38.75874470684844	-121.3202428	300025.69578218246	40043582.025	3243.003731427316	311.01309438800155	3029.34497627605916	3026.6192751452904	84.42016572579041	55.18218733505579
337	392	289677	-149181.1413	1050457.3170250766	38.75873797972929	-121.329687	300429.63365255404	4003375.933232187	3238.53661167484	310.954743817085	3028.8496517885214	3026.096518091336	80.80891189248678	83.55786273849455
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365	392	289705	-130701.1413	1050457.3170250766	38.75902653496755	-121.2640124	306057.6846067526	400346.3457	3110.79073905407	3058.7419021091996	3018.969259839646	3021.9371167355707	44.63438041194179	42.71212677308926
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372	392	289712	-126081.1413	1050457.3170250766	38.759080847418664	-121.2475912	307464.6815551409	400343.85553131	3102.7694513291963	3041.590908583507	3001.488265993037	3000.94238765319	40.10264259311998	40.10264259311998
373	392	289713	-125421.1413	1050457.3170250766	38.759090710697556	-121.2452453	307665.6803875053	400347.179126217	3098.747020534234	3038.940068724807	2999.475125	2998.981054295158	39.81881488280715	40.0834617
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatThKLog.ft	SatThBoth.ft	
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462	392	288902	-66681.14133	1050457.3170250766	39.5966415386382	-101.0364934	32555.84626475617	4040368.291350958	3064.05805944473	2891.5713206130387	2891.77123463175	324206266663006	3.246890	798214208	
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467	392	288907	-63381.14133	1050457.3170250766	39.59706848310278	-101.0247296	326558.7581696885	4040347.983808095	3053.9604200990024	2895.03016555509	2890.6437162191064	2891.478164755446	3.291300346	27545	
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469	392	288909	-62051.14133	1050457.3170250766	39.5971599757858	-101.0200378	326660.74181766573	4040339.862213675	3049.884148302435	2894.7588998791635	2890.653651088141	2890.524468109242223	3.8953	488910242223	
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480	392	288920	-54801.14133	1050457.3170250766	39.5975923621856	-100.9942325	329171.5066520315	4040295.2122563	3075.34366041663	2890.89572612951	2862.6814179736134	27.6587	325586174	28.308	
481	392	288921	-54141.14133	1050457.3170250766	39.5976297688543	-100.9918866	329372.4899763691	4040291.153487152	3077.9064515628417	2890.48611641149	2862.9672640571257	2862.400897119413	27.4800527	7023322	
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486	392	28926	-50841.14133	1050457.3170250766	39.597810003562	-100.9801569	330377.3854143903	4040271.868322275	3073.574151	2887.43256835793	2882.421628758693	2882.95158796425	6.0412687	1716648	
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497	392	28937	-43581.14133	1050457.3170250766	39.598166353843	-100.9543516	332588.1424274864	4040226.261993479	3048.78378	2881.130700394374	2878.2494547205624	2878.050439044897	6.5075	429693114	
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501	392	28941	-40941.14133	1050457.3170250766	39.598287225362	-100.9449679	333392.4916991336	4040210.04881533	3038.67601724257	2879.01701634587	2868.854064714242	2867.910365269095	15.92804	0549216786	
502	392	28942	-40281.14133	1050457.3170250766	39.5983161112443	-100.9426219	333593.0255516452	4040205.99353077	3035.64511877195	2879.040453459055	2864.301544182877	2865.61786367078	14.73890	30434743	
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504	392	28944	-38961.14133	1050457.3170250766	39.59837650289197	-100.9379301	333993.97631961823	4040197.86114038	3030.95816101731	2878.35573969101	2862.04154192838	2861.706710671184	18.35224	064712332	
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
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589	392	289929	17138.8586730335	1005457.3170250766	39.599069193056045	-100.738625	506177.3679249576	4025054.320701139	2831.876324834957	2678.8027423257687	271.73730249857	271.9518712449476	0	0
590	392	289930	17798.8586730335	1005457.3170250766	39.5989899341911	-100.7361791	5127.3081329087	4025050.289841656	2829.503871205297	2676.629309178041	271.54148101069037	271.248913305606	0	0
591	392	289931	18458.8586730335	1005457.3170250766	39.59887748464345	-100.7338332	351479.2935811351	4025046.254141062	2824.69972964786	2674.68891825913	271.246175543362	271.1304498030817	0	0
592	392	289932	19118.8586730335	1005457.3170250766	39.598664183924	-100.7314872	351680.2561061465	4025042.226124347	2817.1948919248957	2672.7815889750814	2709.402617803907	271.0101737	0	0
593	392	289933	19778.8586730335	1005457.3170250766	39.59858122580524	-100.7291413	351881.2186	4025038.195072502	2809.6905042500507	2670.9061824871233	2706.338999233833	270.8645012008075	0	0
594	392	289934	20438.8586730335	1005457.3170250766	39.5983931465323	-100.7267953	352082.1809365307	4025034.16425815	2802.1852146851152	2669.0113588206	2703.295701714213	270.7768207304957	0	0
595	392	289935	21098.8586730335	1005457.3170250766	39.5982091540205	-100.724484	352283.14311131486	4025030.138923759	2794.314365336907	2667.244718293637	2699.071538236207	270.6562453346553	0	0
596	392	289936	21758.8586730335	1005457.3170250766	39.5980904382702	-100.7221035	352484.1051440363	4025026.10334408	2786.077495	2665.4525451957	2697.245243969697	2696.52890185776	0	0
597	392	289937	22418.8586730335	1005457.3170250766	39.5988836926811	-100.7197575	3528585.067	4025022.073	2777.840627167354	2663.86718305434	2694.7755973489157	2693.5119944061005	0	0
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600	392	289940	24398.8586730335	1005457.3170250766	39.5984804248818	-100.7127197	353287.951859373	4025009.984369168	2756.5005536275858	2658.4922613933904	2682.941130074804	2681.421313	0	0
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602	392	289942	25718.8586730335	1005457.3170250766	39.598190257559	-100.7080728	353689.8740703778	4025001.92630831	2744.52085807482	2655.06272451618	2673.887757302124	2672.2977722144356	0	0
603	392	289943	26378.8586730335	1005457.3170250766	39.598072373333	-100.7056819	353890.854149444	4024993.87934891	2735.846788079553	2653.413899924184	2669.17541890326	2667.578365233035	0	0
604	392	289944	27038.8586730335	1005457.3170250766	39.5978743956762	-100.7033359	354091.7963191605	4024987.869	2724.488494549527	2651.741317404936	2664.530949156607	2663.526846144785	0	0
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607	392	289947	29018.8586730335	1005457.3170250766	39.5987167	-100.696281	354684.6782	402481.1553771946	2694.205113777129	2646.761046377122	2648.831212648768	2647.9621967181693	0	0
608	392	289948	29678.8586730335	1005457.3170250766	39.598696496553	-100.693522	354895.63565657	402477.757533073	2690.4191097927	2645.10987360573	2644.2599406545416	2643.07265568225	1.8508795402512987	1.639647048900457
609	392	289949	30338.8586730335	1005457.3170250766	39.5986732329816	-100.691109	35509.028021212	402471.453696833	2683.4278538941	2638.45278538941	2637.1538291257	2634.90887132359	0	0
610	392	289950	30989.8586730335	1005457.3170250766	39.598654827151	-100.689203	355297.558806767	402469.704	2682.854023261743	2641.8142090272447	2633.4006532505963	2632.452599897485	6.31625721938327	6.98030397496205
611	392	289951	31658.8586730335	1005457.3170250766	39.598631338764	-100.6869143	355488.51873621135	402465.67804781	2680.688216993227	2639.7639892732	2631.097038688644	2630.634617019273	9.07099191158579	9.53329263459109
612	392	289952	32318.8586730335	1005457.3170250766	39.5986113458219	-100.684584	355699.478520532	402461.560270761	2680.111946142867	2638.518657486806	2626.9279451415305	2626.565840581516	11.599020071161	11.95302516712899
613	392	289953	32978.8586730335	1005457.3170250766	39.598588025182	-100.6822225	355900.43817542023	402457.62394438	2679.593466239647	2636.863917484877	2622.938287089625	2622.636402547295	13.9258877591475	14.2275100508202
614	392	289954	33638.8586730335	1005457.3170250766	39.5985605097625	-100.6797876	356101.397867161	402453.597915792	2679.4057390944307	2635.20280809854	2619.104046409371	2618.8335661741303	16.092874040483197	16.36871463572379
615	392	289955	34398.8586730335	1005457.3170250766	39.59853274299816	-100.6775365	356302.3576614404	402451.3280921138	2678.10435696833	2633.9301016579	2618.33334	2618.94758752777	18.468827507584	18.486827507584
616	392	289956	34958.8586730335	1005457.3170250766	39.59851894178	-100.6751847	356503.3165154306	402449.7548621155	2685.704551151515	2631.8505740274033	2611.85321726761	2611.516200286965	19.69189097266515	20.32940437826947
617	392	289957	35618.8586730335	1005457.3170250766	39.5984947094226	-100.6728387	356704.2739595760	402443.521166985	2680.43543956742	2630.1665106781174	2629.05236521847764	2609.161308817168	21.00520186094451	21.00520186094451
618	392	289958	36278.8586730335	1005457.3170250766	39.59847002242886	-100.6704928	356905.2345664506	402437.4906578615	2695.403850640544	2628.463830536643	2608.5147439782927	2608.177153652014	19.494069603571576	20.2602574274629
619	392	289959	36938.8586730335	1005457.3170250766	39.598444882197	-100.6681468	357106.193806574	402433.471187496	2700.57449068213	2626.74471084326	2607.856240176901	2607.501308	18.8884706667249	19.24302560785853
620	392	289960	37598.8586730335	1005457.3170250766	39.5984192887277	-100.6658009	357307.1518673191	402429.6545759	2706.275149354196	2625.00584691204	2607.036422392078	2606.839353657285	17.969424199126024	18.166510954577406
621	392	289961	38258.8586730335	1005457.3170250766	39.5983932420205	-100.663455	357508.110471345	402422.421598453	2702.2744804086243	2622.344811119198	2606.540759596963	2606.370054058196	16.70407516218958	16.8742056630044
622	392	289962	38918.8586730335	1005457.3170250766	39.5983697420757	-100.661109	357709.06830312	402421.3280921138	2707.01453696833	2621.46103372917	2606.16947030872	2605.984758752777	15.47675030993209	15.47675030993209
623	392	289963	39678.8586730335	1005457.3170250766	39.5983397889326	-100.6587631	357910.02710705483	402417.420822375	2712.840267104533	2619.6506790519825	2605.72168100567	2605.73772891777601	13.933587711278506	13.933587711278506
624	392	289964	40238.8586730335	1005457.3170250766	39.59831238247294	-100.6564171	358110.985247508	402413.350399926	2735.48502636102	2617.83036377775	2605.272770980037	2605.190960563205	12.557465497437303	12.557465497437303
625	392	289965	40988.8586730335	1005457.3170250766	39.598285228154	-100.6540712	358311.9433	402409.2389655247	2745.125564567912	2615.899762542417	2605.283985024053	2605.08058890004	10.7057661018838	10.90917645272578
626	392	289966	41558.8586730335	1005457.3170250766	39.598256209203	-100.6517253	358512.9011	402405.307480535	2761.1969631064	2614.17802148901	2605.154141438793	2604.84945521079	8.98366071012512	9.287856627218139
627	392	289967	42218.8586730335	1005457.3170250766	39.59822443747676	-100.6493793	358813.8589	402401.2807784958	2761.1969631064	2612.2784017889767	2604.5489664013085	2604.3358768218	7.72943538766218	7.72943538766218
628	392	289968	42978.8586730335	1005457.3170250766	39.5981982244175	-100.6470334	35914.814514948	402397.258044343	2764.18632104953	2610.415904129614	2603.830045127422	2603.590201500017	6.558482629596203	6.558482629596203
629	392	289969	43698.8586730335	1005457.3170250766	39.598172861987	-100.644618	35934.815811665	402393.23093077	2768.46207826883	2609.5629363526884	2608.368925537073	2607.7320561973	5.3814217232149387	5.3814217232149387
630	392	289970	44198.8586730335	1005457.3170250766	39.598138425905	-100.642315	359518.73134135164	402389.232036710	2770.302637104533	2609.6097500519825	2604.7786811083306	2604.994813174807	4.198009336581675	4.198009336581675
631	392	289971	44858.8586730335	1005457.3170250766	39.5981078468666	-100.6399956	359517.8485305234	402385.191273621	2770.876713411123	2604.846382507014	2604.39125073435815	2604.391380425368	3.5548577171198113	3.5548577171198113
632	392	289972	45518.8586730335	1005457.3170250766	39.5980761454944	-100.6376497	359718.645521763	402381.16949137	27					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WLT	BREIEvKgr.f	BREIEvBothKgr.f	SatHogKgr.f	SatHogBoth.f
713	392	290053	98978.85867307335	1050457.3170250766	39.75940580032462	-100.44762928	757995.7394042097	4020506.19313625	271.0152046277772	259.4915793258388	2554.9845097373964	2554.735494957418484	42.5070695844239	42.4275608358
714	392	290054	98963.85867307335	1050457.3170250766	39.75939890576066	-100.4452389	75796.6861283062	4020502.190800399	271.006807368796	2596.064407669418	2553.618267498168	2552.786221326858	42.47612573656006	42.446100370249359
715	392	290055	10098.85867307335	1050457.3170250766	39.75932811550584	-100.429258	75787.63273482894	4020348.18071242	270.5203667140384	2594.5184997019646	2553.052431866373	2552.4831866373	42.0003389375757	42.0013330882724
716	392	290056	100958.85867307335	1050457.3170250766	39.75938520517088	-100.400291	757658.5793241769	4000084.18636852	270.006028676092	2591.322789446457	2551.332789446457	2551.332789446457	42.276050962406	42.1296700026994
717	392	290057	101618.85867307335	1050457.3170250766	39.75937843938187	-100.438261	757679.5256964731	4000240.185211196	270.0347867899759	2591.689034700673	2550.048088196469	2550.70133050022	42.61809654020494	40.9571016504512
718	392	290058	102078.85867307335	1050457.3170250766	39.759371248352316	-100.435002	757700.5119519516	4002036.183282283	270.0951448590545	2590.149817132521	2548.731743092320	2548.731743092320	42.1471858631775	40.9571016504512
719	392	290059	102938.85867307335	1050457.3170250766	39.7593624198991	-100.435543	777201.4181	4002032.181	269.981437	2588.620907393994	2547.397747808865	2548.058097298215	41.22316013112914	40.56200064713266
720	392	290060	103598.85867307335	1050457.3170250766	39.75936311030462	-100.4312084	77402.36413130625	4002032.181754633	269.7568637938334	2587.072727171172	2545.982247194699	2548.8789966	41.00469957027855	40.427561751
721	392	290061	104258.85867307335	1050457.3170250766	39.7593497329654	-100.428628	77683.5101891767	4002024.181075891	269.62529801099969	2586.025658651646	2544.9843618754752	2545.49852473985	40.8212247469886	40.097438928254
722	392	290062	104918.85867307335	1050457.3170250766	39.75934279095651	-100.425516	77804.25589025216	4002024.180833831	269.5107716	2583.919478135056	2543.5073373740297	2544.232676589612	41.142738476478	39.6818055
723	392	290063	105678.85867307335	1050457.3170250766	39.75933555	-100.4241707	778005.201483524	4002016.180428474	268.906671514929	2582.3152011133716	2542.595011280437	2541.303199891581	39.7021823923438	39.01302112179053
724	392	290064	106238.85867307335	1050457.3170250766	39.75932829033535	-100.421848	778206.14702416574	4002012.180459795	269.302480745273	2580.63954525274	2542.110928532357	2542.8644326794765	38.8280642017088	37.8291022730950
725	392	290065	106698.85867307335	1050457.3170250766	39.75932097203636	-100.4194789	778407.0924853958	4002008.180777296	269.25518594017273	2579.053235	2541.927339732409	2541.927339732409	38.756113353403005	36.3545464593921
726	392	290066	107658.85867307335	1050457.3170250766	39.759313608414004	-100.417113	778608.0378134222	4002004.181	2691.7944313309818	2577.3927363835813	2542.0238085684555	2543.085912478815	35.36895564125816	34.30685135376643
727	392	290067	108218.85867307335	1050457.3170250766	39.75930619444921	-100.4147871	778808.9832544724	4002004.181973781	2689.22190	2575.712927025224	2542.126878063267	2542.126878063267	35.36895564125816	34.30685135376643
728	392	290068	108788.85867307335	1050457.3170250766	39.759298745201654	-100.4124412	779009.32812468053	4001996.1828617465	2688.434287591073	2574.01475940892	2541.9317677	2542.18680917047	32.07680217202024	31.8278949193523
729	392	290069	109538.85867307335	1050457.3170250766	39.75929124561139	-100.4100953	779210.8738032215	4001992.184166349	2689.446667799116	2572.299338343087	2541.6789561423184	2541.6789561423184	30.62228491990265	30.62228491990265
730	392	290070	110108.85867307335	1050457.3170250766	39.75928370069842	-100.4077494	779411.817775841	4001988.185617581	2676.050486199676	2570.567780128519	2540.105518546679	2540.105518546679	30.62228491990265	30.62228491990265
731	392	290071	110858.85867307335	1050457.3170250766	39.759276110462764	-100.4050435	779612.76273267076	4001984.187305431	2675.167184925423	2568.820932386427	2539.73529106097	2539.73529106097	28.69922876667578	28.69922876667578
732	392	290072	111518.85867307335	1050457.3170250766	39.759268417490441	-100.4030576	779813.7073778637	4001982.18292898	2666.822597273996	2567.0539149744113	2539.4058178553696	2539.4058178553696	27.06344119044707	27.10509605155903
733	392	290073	112178.85867307335	1050457.3170250766	39.75926079402345	-100.4007117	780014.65190011386	4001976.191390591	2662.12728475565	2565.283641	2539.623474550943	2541.299072288789	25.6572674445677	23.9845899509154
734	392	290074	112838.85867307335	1050457.3170250766	39.75925306781919	-100.3983638	780253.5963148339	4001972.193788599	2657.919008371376	2563.4484893536	2541.294368	2542.3771003735017	25.119635886599654	25.119635886599654
735	392	290075	113498.85867307335	1050457.3170250766	39.75471462017855	-100.3958124	780429.1542123854	4001968.183640268	2654.917055356813	2562.912427198393	2540.923427198393	2540.923427198393	24.817917144328	24.817917144328
736	392	290076	114158.85867307335	1050457.3170250766	39.7592374944463	-100.393674	780617.4848026755	4001964.19529335	2646.08046111371	2559.874602013933	2538.178857109667	2538.178857109667	20.6935726029567	20.6935726029567
737	392	290077	114818.85867307335	1050457.3170250766	39.7592261727314	-100.3913281	780818.4289	4001960.20241001	2640.085901072125	2557.917964911708	2538.584429870518	2538.584429870518	19.84287420021067	19.84287420021067
738	392	290078	115478.85867307335	1050457.3170250766	39.75922170977906	-100.3898922	781019.3728	4001956.20574422	2634.088403595683	2556.213474196558	2540.37829208113	2542.5364924059472	15.8371408884237	13.6769179100853
739	392	290079	116138.85867307335	1050457.3170250766	39.75921375696242	-100.3866363	781220.31668775476	4001952.29352387	2625.132304555063	2554.2631935470005	2539.94059063029	2542.5364924059472	14.42570351751598	12.7221991546076
740	392	290080	116798.85867307335	1050457.3170250766	39.75920575882318	-100.3842094	781421.2604453138	4001948.21142384	2643.19167832147	2552.508706941567	2541.218162	2542.60119881730103	11.2905871229654	10.7540105405633
1	393	290081	117298.85867307335	1050457.3170250766	39.7545729130336	-100.3817285	781628.569253353	4001945.183642356	2638.1825125471	2554.45098267438103	2540.921054020096	2540.921054020096	9.91547486200134	9.91547486200134
2	393	290082	117828.85867307335	1050457.3170250766	39.7545642017855	-100.3794124	781834.25589025216	4001940.180833831	2635.07706015621	2553.710366012156	2540.785851817537	2540.785851817537	8.46643431410053	8.46643431410053
3	393	290083	118368.85867307335	1050457.3170250766	39.75462113778614	-100.3771135495	782033.7471894088	4001939.45224363	2632.434904863043	2553.4124008588304	2540.6302709501083	2540.6302709501083	7.681274001	7.681274001
4	393	290084	118696.85867307335	1050457.3170250766	39.7545443024923	-100.374880	782264.8291215477	4001935.31982149	2630.94856358163	2551.616321343603	2540.848768075094	2540.848768075094	66.76147901	66.76147901
5	393	290085	118830.85867307335	1050457.3170250766	39.75467181500853	-100.372108504	782367.9107893073	4001931.14678105	2629.4462257528636	2550.82323488785	2540.521459916265	2540.521459916265	66.76147901	66.76147901
6	393	290086	118741.85867307335	1050457.3170250766	39.75467806265642	-100.370161579	782388.9921940282	4001927.9147423795	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	65.45401425867	65.45401425867
7	393	290087	118688.85867307335	1050457.3170250766	39.75472234958275	-100.3681232	782490.033499187	4001924.802808714	2618.24496642558	2548.618420286536	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
8	393	290088	118688.85867307335	1050457.3170250766	39.75471462017855	-100.3658124	782591.38125471	4001920.183640268	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
9	393	290089	118688.85867307335	1050457.3170250766	39.75472671373132	-100.3639122	782692.248626508	4001914.8807615	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
10	393	290090	118688.85867307335	1050457.3170250766	39.75477700133196	-100.36206775	782793.177196498	4001910.3126741979	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
11	393	290091	118688.85867307335	1050457.3170250766	39.75472234958275	-100.360284031	782894.395266561	4001906.12678514	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
12	393	290092	118688.85867307335	1050457.3170250766	39.754847737001995	-100.35820846	782995.4705092604	4001902.154734002	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
13	393	290093	118688.85867307335	1050457.3170250766	39.75487268746886	-100.35628979	783096.5562656104	4001901.17575	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
14	393	290094	118688.85867307335	1050457.3170250766	39.75487268746886	-100.35428979	783197.6355691798	4001897.13642384	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.862534402176	64.862534402176
15	393	290095	118688.85867307335	1050457.3170250766	39.75487268746886	-100.35228979	783298.716729167	4001893.18125471	2617.9758647315894	2549.003641733074	2540.093641733074	2540.093641733074	64.8625344021	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	Surf.Elev.	W.Lt.	BREIEVLogKgr.ft	BREIEVBothKgr.ft	SatThBothKgr.ft
99	39	2017	-306261.1413	1051117.3170250766	39.75684891135994	-101.8880154	252888.43862437412	404706.005153875	3514.441767904084	3374.663298013302	3366.798520692406	3370.2177106546487	3847.77319095992
100	39	2018	-305601.1413	1051117.3170250766	39.75686991953077	-101.8856897	252789.46917457943	404705.755581251	3512.342526130317	3371.7687645203054	3364.968196	3367.774571146469	3367.69584887155076
101	39	2019	-304941.1413	1051117.3170250766	39.756883333692	-101.883324	252890.5368244566	404751.708259474	3508.27481465939	3352.87871300734	3340.1069243178274	3340.59089730757	3340.59089730757
102	39	2012	-304281.1413	1051117.3170250766	39.7571179992538	-101.880793	253191.610506766	404747.5517612	3508.15225035997	3366.134093136665	3360.055229043692	3361.70833683335	3361.70833683335
103	39	2013	-303621.1413	1051117.3170250766	39.75693267149134	-101.8786326	253392.66730715966	404743.408315648	3501.401609940640	3363.4059720092546	3356.6073532686614	3358.022975283566	3358.022975283566
104	39	2014	-302611.1413	1051117.3170250766	39.7569534997017178	-101.8762869	253593.7326640333	404739.259711178	3487.040356700747	3360.720272546708	3352.63494720584	3353.836786	3353.836786
105	39	2015	-302021.1413	1051117.3170250766	39.75697482064923	-101.8739412	253794.78017758366	404735.11348733	3473.664611818086	3358.074259670187	3348.5836227590465	3349.24003461204	3349.24003461204
106	39	2016	-301641.1413	1051117.3170250766	39.75699501692552	-101.8715955	253965.832480265	404730.363	3468.280971330413	3355.458265204998	3344.236116963407	3344.786440182223	3344.786440182223
107	39	2017	-300981.1413	1051117.3170250766	39.7570157078691	-101.8692486	254196.89207556573	404748.73108497	3446.778041465939	3352.87871300734	3340.1069243178274	3340.59089730757	3340.59089730757
108	39	2018	-300321.1413	1051117.3170250766	39.75703635333074	-101.866041	254397.3476040849	404772.67134475	3438.1321232476327	3350.351673653382	3336.464912892193	3336.6565713791484	3336.6565713791484
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111	39	2019	-298341.1413	1051117.3170250766	39.757080818567746	-101.859867	255001.1126905155	404701.0226260585	3408.487392782345	3337.76392782345	3328.85338495803	3324.904060824504	3324.904060824504
112	39	2012	-297981.1413	1051117.3170250766	39.7571148294806	-101.8575213	255202.167961366	404706.079587161	3395.42709985749	3324.2859985749	3326.4583250136124	3327.638740136124	3327.638740136124
113	39	2013	-297021.1413	1051117.3170250766	39.75713890212215	-101.8551796	255403.2219613895	404705.73161035	3393.7914682	3327.821612136221	3324.110011285433	3323.14617242282	3323.14617242282
114	39	2014	-296361.1413	1051117.3170250766	39.75715927576021	-101.852929	255604.276843813	404697.78697446	3389.30631513435	3325.3795984727108	3321.6922045430363	3320.746978191646	3320.746978191646
115	39	2015	-295701.1413	1051117.3170250766	39.757179604192004	-101.8504842	255805.3296713258	404694.61039085	3377.5361226405093	3322.95274518376	3319.162179	3318.2604274463697	3318.2604274463697
116	39	2016	-295041.1413	1051117.3170250766	39.7571988373053	-101.8481385	256006.382663333	404689.495331025	3374.055302562792	3321.55799035277	3316.471004841584	3316.09608508618454	3316.09608508618454
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118	39	2018	-293721.1413	1051117.3170250766	39.75724317176971	-101.8434471	256408.4903587243	404681.204652249	3326.0935697138067	3329.8393567138067	3310.3176247193624	3309.353527707377	3309.353527707377
119	39	2019	-293061.1413	1051117.3170250766	39.75726044766191	-101.8411014	256609.5324368034	404677.06	3320.818552364233	3320.818552364233	3308.50834104047	3307.803128	3307.803128
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121	39	2021	-291741.1413	1051117.3170250766	39.7573027149874	-101.836216	257016.5487184757	404678.73108497	3319.4214715960715	3319.4214715960715	3307.9446172198187	3305.2577027572563	3305.2577027572563
122	39	2020	-291081.1413	1051117.3170250766	39.7573203436709	-101.8340642	257212.7008062198	404664.82	3320.610403921714	3317.60580731155	3296.422415755337	3295.790456774829	3295.790456774829
123	39	2023	-290421.1413	1051117.3170250766	39.75734006027725	-101.8317185	257413.75254979494	404660.48	3321.81933896662	3315.91828275648	3292.849578391978	3292.221490477238	3292.221490477238
124	39	2024	-289761.1413	1051117.3170250766	39.75736052865197	-101.8293728	257614.8027597587	404656.3344369	3324.306732008613	3321.432560318113	3290.378351847434	3289.37037318925	3289.37037318925
125	39	2025	-289101.1413	1051117.3170250766	39.7573803811923	-101.8270271	257815.8557017645	404652.19491072	3326.79408	3313.152749663456	3290.57479	3290.01658981765912	3290.01658981765912
126	39	2026	-288441.1413	1051117.3170250766	39.75740026070025	-101.8248614	258016.9027179555	404648.051629078	3328.281472722959	3321.121668993024	3293.351302404106	3292.938784921638	3292.938784921638
127	39	2027	-287781.1413	1051117.3170250766	39.7574202700415	-101.822336	258217.968924565	404645.9786042	3327.814274178784	3321.102417470335	3293.351302404106	3292.938784921638	3292.938784921638
128	39	2028	-287121.1413	1051117.3170250766	39.7574402700415	-101.8198989	258419.0089803	404648.051629078	3320.342421322959	3310.78357003088	3301.816524572714	3300.6476570562738	3300.6476570562738
129	39	2029	-286461.1413	1051117.3170250766	39.75745944022196	-101.8176442	258620.059344846	404642.3235061	3335.80570024591	3310.63233989897	3302.79012749332	3303.88078925681	3303.88078925681
130	39	2010	-285801.1413	1051117.3170250766	39.75747909270604	-101.8152985	258821.1096421903	404631.48092078	3343.387631597374	3310.6253787254	3307.290367732087	3307.046186087984	3307.046186087984
131	39	2021	-285141.1413	1051117.3170250766	39.75749869073064	-101.8129527	259022.1597024468	404627.33884263	3359.16448629648	3311.046186082364	3301.536115327282	3301.2404665174475	3301.2404665174475
132	39	2012	-284481.1413	1051117.3170250766	39.757518254123184	-101.810607	259223.2095245118	404623.197017566	3341.794920929164	3311.794920929164	3313.8047787074647	3312.527808361312	3312.527808361312
133	39	2013	-283821.1413	1051117.3170250766	39.75753776685369	-101.8082613	259424.2591095863	404619.05467804	3368.19776578174	3312.831675853152	3316.58849895376	3316.728571990565	3316.728571990565
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135	39	2015	-282501.1413	1051117.3170250766	39.7575766537196	-101.8036968	259826.357566422	404610.7278394	3374.504761128440	3315.511161412524	3320.05640709093	3321.88939737316	3321.88939737316
136	39	2016	-281841.1413	1051117.3170250766	39.75759603	-101.8012241	260027.4043961707	404606.63112926	3385.068799224046	3317.130590204314	3318.641124162296	3318.475353429634	3318.475353429634
137	39	2017	-281181.1413	1051117.3170250766	39.75761536461939	-101.7988784	260228.4556710706	404602.491491224	3383.387631597374	3318.803231914884	3315.643637860204	3315.265417307784	3315.265417307784
138	39	2018	-280521.1413	1051117.3170250766	39.75763465076751	-101.7965326	260429.50347609736	404598.351	3396.196875414338	3320.540767309258	3311.134058437781	3310.6245720217253	3310.6245720217253
139	39	2019	-279861.1413	1051117.3170250766	39.75765389159844	-101.7941869	260630.5516793942	404594.211	3398.000595477794	3322.321859742166	3306.25624048648	3307.249124927484	3307.249124927484
140	39	2020	-279201.1413	1051117.3170250766	39.757673308711221	-101.7914811	260831.5995674055	404590.071076523	3396.045167	3324.129876	3298.7647565784	3298.08893004147	3298.08893004147
141	39	2021	-278541.1413	1051117.3170250766	39.75769271979604	-101.789027	261039.8793919615	404585.930819615	3399.3390919615	3325.9390919615	3301.816524572714	3301.816524572714	3301.816524572714
142	39	2022	-277881.1413	1051117.3170250766	39.75771134718801	-101.7871407	261233.6947151937	404581.79209322	3392.13353068392	3327.717552587	3322.18050690309	3280.787419893014	3280.787419893014
143	39	2023	-277221.1413	1051117.3170250766	39.7577304	-101.7848039	261434.7419357683	404577.65283817	3394.525541106168	3329.577643827476	3279.9954078401084	3278.683268174093	3278.683268174093
144	39	2024	-276561.1413	1051117.3170250766	39.75774941599481	-101.7824582	261635.7889211583	404575.13308781	3401.26537951754	3331.3482431364014	3289.11829100150954	3288.71168759226	3288.71168759226
145	39	2025	-275901.1413	1051117.3170250766	39.75776838244124	-101.7801124	261836.836713978	404569.3271198	3408.00521926475	3333.05022496745	3295.92853402175	3296.035293231374	3296.035293231374
146	39	2026	-275241.1413	1051117.3170250766	39.757787383083208	-101.7777667	262037.882186624	404565.32677132	3414.74605740289	3334.62037926391	3300.54607358647	3300.84151806783	3300.84151806783
147	39	2027	-274581.1413	1051117.317025076									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfaceE	W.Lt.	BRtEveLogKrg.ft	BRtEveLogKrg.ft	Wt2LogKrg.ft	SatHtBoth.ft
225	39	290305	-22301.1413	1051117.3170250766	39.5913906776312	-101.5924941	2779.93261150634	40402.39.062718288	3506.821350653046	32.60715843333152	3189.577888970556	3189.331984936167	77.92229564	78.166895369855
226	39	290306	-22241.1413	1051117.3170250766	39.5915435696934	-101.5901033	2781.20.061005574	40402.34.760501072	3504.421625951232	3266.466163049785	3188.731109274526	3184.9245894819	77.7350545274935	78.02191422005308
227	39	290307	-22178.1413	1051117.3170250766	39.5916961865587	-101.5878624	2783.21.08918708917	40402.30.83406953	3487.22.2457386396	3265.452341715557	3187.81416403748	3187.834463005327	78.10817753809794	78.10817753809794
228	39	290308	-22121.1413	1051117.3170250766	39.59184862612208	-101.5854116	2785.22.197171071	40402.26.78810298	3496.777548109227	3264.456846160983	3186.916488534104	3186.2365268376	77.75403572683878	78.21798271
229	39	290309	-22061.1413	1051117.3170250766	39.5919998826813	-101.5830568	2787.23.34489102555	40402.22.587631195	3492.4819149182804	3263.477475462956	3186.43449891867	3185.703558032716	77.74312557108902	78.21636936968452
230	39	290310	-21980.1413	1051117.3170250766	39.5921511	-101.58072	2789.24.274166146	40402.18.469463165	3488.1859754467546	3262.511827121184	3184.1151179	3184.158531452838	77.74002471355047	78.21636936968452
231	39	290311	-21941.1413	1051117.3170250766	39.5922017659955	-101.5783741	2791.25.9997249661	40402.14.315335371	3486.295051278904	3261.55140889227	3184.2559132587508	3183.8077671571196	77.740314976301178	78.21636936968452
232	39	290312	-21848.1413	1051117.3170250766	39.5924520278508	-101.5760283	2793.27.0286120203	40402.10.23383177	3486.809274	3260.611733789116	3183.353650014725	3183.074271494614	77.72580374740353	78.21636936968452
233	39	290313	-21781.1413	1051117.3170250766	39.5926191655587	-101.5736824	2795.28.369565956	40402.06.11640203	3487.22.2457386396	3259.552341715557	3182.838968369562	3180.588655281575	77.72358959444817	78.10389101727701
234	39	290314	-21716.1413	1051117.3170250766	39.5927911915059	-101.5713368	2797.29.08042424	40402.01.99182249	3487.83763140698	3258.726329710542	3181.4728505890984	3179.234893031919	77.72303723955514	78.5020309313524
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236	39	290316	-21584.1413	1051117.3170250766	39.5930483423282	-101.5666449	2801.31.130114183	40402.03.765512072	3488.376451758273	3256.86528835265	3179.389991236277	3177.82486132723854	77.50652971163754	82.28364746
237	39	290317	-21518.1413	1051117.3170250766	39.59319539037625	-101.5642991	2803.32.159023312	40401.89.649030519	3488.567145512316	3255.9221502135165	3178.1998967027458	3172.881871026414	77.50225311929191	83.035697819710238
238	39	290318	-21452.1413	1051117.3170250766	39.5933440171014	-101.5619532	2805.33.184616373	40401.85.136779939	3488.76571956385	3254.970691575196	3176.972234653431	3171.18287	77.50225311929191	83.7872169
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243	39	290323	-21122.1413	1051117.3170250766	39.594074968076	-101.550224	2815.38.310551172	40401.64.955202215	3484.870127550925	3250.01860621201	3170.403385434314	3164.396498327843	77.59747518685946	85.6216292335799
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251	39	290331	-20594.1413	1051117.3170250766	39.5952208943163	-101.5314571	2831.46.5006778651	40401.32.03859628	3459.97458362648	3240.932694947286	3157.785663036886	3156.361047082883	81.770663959428	84.602204
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255	39	290335	-20330.1413	1051117.3170250766	39.5957829660504	-101.5220737	2839.50.960	40401.15.59363523	3451.402618465456	3235.520053654424	3150.44319008024	3150.189169791801	85.771745359992	85.314233626307
256	39	290336	-20264.1413	1051117.3170250766	39.5959322309617	-101.5197278	2841.51.61251678725	40401.11.481662699	3450.491182759026	3234.027920415944	3148.330165371195	3148.170861363785	85.6977503628467	85.85705781206025
257	39	290337	-20198.1413	1051117.3170250766	39.5960612826635	-101.517382	2843.52.634279078	40401.07.369999039	3446.79501458926	3232.48723024137	3146.222378222134	3145.8080919578583	85.2589421973281	86.6693034007887
258	39	290338	-20132.1413	1051117.3170250766	39.5961997611557	-101.5150961	2845.53.6557674379	40401.03.259	3449.66165985171	3230.8712227208694	3144.0558407526873	3143.691517142462	85.7196515784071	87.1796515784071
259	39	290339	-20066.1413	1051117.3170250766	39.5963377854379	-101.5128992	2847.54.677073528	40400.99.147396988	3447.068985003368	3229.20768807161	3143.9160883423656	3141.579743782646	85.2719855959428	87.6278945249625
260	39	290340	-20000.1413	1051117.3170250766	39.596475125371	-101.510644	2849.55.782120429	40400.95.038	3445.63482472549	3227.48925433111	3143.81916165857	3142.62126654505	87.6278945249625	87.6278945249625
261	39	290341	-19934.1413	1051117.3170250766	39.5966124773716	-101.5082985	2851.56.71905759384	40400.92.575405	3443.584584886664	3225.719808395986	3142.761546083045	3142.35126662207	87.6278945249625	88.28378173378405
262	39	290342	-19868.1413	1051117.3170250766	39.5967491430221	-101.5056526	2853.57.739732252	40400.88.51288625	3441.53172170525	3223.899302188785	3142.761546083045	3142.35126662207	87.6278945249625	88.28378173378405
263	39	290343	-19802.1413	1051117.3170250766	39.5968854	-101.5033068	2855.58.796722537	40400.82.705081126	3439.47030738457	3222.038647394037	3142.761546083045	3142.35126662207	87.6278945249625	88.28378173378405
264	39	290344	-19736.1413	1051117.3170250766	39.59702111469046	-101.5009609	2857.59.7804497188	40400.78.595104025	3438.4058855	3220.126507546828	3141.880909136971	3141.5313803656828	82.42559841	88.6127038095407
265	39	290345	-19670.1413	1051117.3170250766	39.5971564207073	-101.498615	2859.60.804929395	40400.74.8588087	3437.34410301954	3218.187188498836	3140.07009463554	3139.262811358391	82.42559841	88.6127038095407
266	39	290346	-19604.1413	1051117.3170250766	39.597291273124	-101.4962392	2861.61.620350943	40400.70.5782767	3436.27974667458	3217.303682718805	3138.18092518446	3137.727680143954	82.42559841	88.6127038095407
267	39	290347	-19538.1413	1051117.3170250766	39.597435125371	-101.493984	2863.62.634279078	40400.66.15669769	3435.038714272886	3216.204087830736	3137.37377	3136.7043954497	82.42559841	88.6127038095407
268	39	290348	-19472.1413	1051117.3170250766	39.5975759	-101.491754	2865.63.8593630205	40400.62.15704475	3433.711456331213	3212.15892305106	3136.24478131114	3134.71804456735	85.1534815	87.9807817178152
269	39	290349	-19406.1413	1051117.3170250766	39.5976931	-101.4892315	2867.64.785672126	4040						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatHtKgr.f	SurfHtBoth.f
351	393	290431	-139941.1413	1051117.3170250766	36.70070972404306	-101.2968672	303247.7604307584	4403721.948031625	3027.662272311122	3007.088632021328	3021.003515391195	3028.343759765738	30.680511663013314	58.7448725559005
352	393	290432	-139281.1413	1051117.3170250766	36.70071931227449	-101.2945212	303448.760703098	4403717.8592143435	3226.265365563016	3005.240362716047	3022.047516976552	3033.804176460908	31.16354574041508	51.43620107605875
353	393	290433	-138621.1413	1051117.3170250766	36.70072685611984	-101.2921763	303649.7605317028	4403713.706383943	3141.50984	3003.352517819414	3022.81529743280815	3035.435292698815	30.53392076474866	47.917174486730544
354	393	290434	-137961.1413	1051117.3170250766	36.70073835144541	-101.2898294	303850.7607473574	4403709.682301814	3022.751406066085	3081.4263720407234	3023.11779615081033	3034.075264268514	30.563793691506	46.15262373026999
355	393	290435	-1373601.1413	1051117.3170250766	36.70074037404613	-101.2874834	304051.76043747356	4403705.594250424	3007.786729233178	3079.4664930318363	3020.065680258455	3034.0071040949747	36.460081277	45.45935280186165
356	393	290436	-136641.1413	1051117.3170250766	36.70075209323664	-101.2851375	304252.7172099126	4403701.556349081	3104.85841414032	3077.4736148473338	3022.7109989726196	3033.647309781718	31.9933024707958	44.4420983
357	393	290437	-135981.1413	1051117.3170250766	36.70076657	-101.2827916	304453.77291706586	4403697.41873208	3186.8489399348865	3075.480355926057	3022.1410826980358	3030.5571105042613	33.306852895074	44.8902858383936
358	393	290438	-135231.1413	1051117.3170250766	36.7007859509084	-101.2804456	304654.77418114076	4403693.31356589	3184.8409847471076	3073.38867309084	3021.3949353222188	3028.86479197112	31.9933024707958	44.4420983
359	393	290439	-134661.1413	1051117.3170250766	36.70079515621894	-101.2786987	304855.77580334425	4403689.24622423	3071.2940661212876	3071.2940661212876	3020.758433518127	3026.844489225973	30.53462276974835	44.4468619831454
360	393	290440	-134001.1413	1051117.3170250766	36.7007438120154	-101.2757357	305056.7763889324	4403685.157	3195.2450440991815	3069.16207898535	3019.831469427399	3025.414393157049	49.4317847	43.74476748283764
361	393	290441	-133341.1413	1051117.3170250766	36.70080350862575	-101.2734078	305257.777026934	4403681.07066213	3114.85072215454	3066.90035903294	3018.740996405875	3017.46761765389	30.42039497418383	45.62214879604925
362	393	290442	-132681.1413	1051117.3170250766	36.7008127	-101.2710619	305458.7778347915	4403676.984252149	3101.456042098623	3064.773034750007	3017.574322966233	3017.451683673147	47.198601763483566	47.32786637839466
363	393	290443	-132021.1413	1051117.3170250766	36.70082178	-101.2687159	305659.7782755337	4403672.898076105	3125.971451101456	3062.518353722436	3016.339083452791	3016.0689170667265	46.17675191945273	46.46498131
364	393	290444	-131361.1413	1051117.3170250766	36.7008302790999	-101.26637	305860.7782651059	4403668.81240073	3115.329565855313	3060.220092447398	3014.6157789879994	3016.293431564255	45.6043129593857	43.9266529151247
365	393	290445	-130701.1413	1051117.3170250766	36.70083962575092	-101.264024	306061.7785982576	4403664.728	3116.746786925763	3057.8895	3013.913978781843	3017.4393706383925	47.31399218888616	43.0463232232327
366	393	290446	-130041.1413	1051117.3170250766	36.7008467793197	-101.2616781	306262.7784477078	4403660.64080063	3114.1445803457937	3055.5133884348605	3012.34558474467	3012.41749780163	43.1137999093042	43.09580406769
367	393	290447	-129381.1413	1051117.3170250766	36.70085768740098	-101.2593321	306463.77812726876	4403656.556	3110.4105802421673	3052.102759826231	3010.8513483614615	3012.001953067387	42.2541116476925	41.10080645836706
368	393	290448	-128721.1413	1051117.3170250766	36.70086459438866	-101.2569862	306664.7776180175	4403652.47957845	3105.54677267053	3050.654323809304	3009.206325	3012.02206106718	41.4479891672028	40.21430425
369	393	290449	-128061.1413	1051117.3170250766	36.70087336651333	-101.2546402	306865.7789185667	4403648.386097568	3106.68253232165	3048.1688306592355	3007.91320583556	3008.308207624252	40.2555807567965	39.8390304741026
370	393	290450	-127401.1413	1051117.3170250766	36.70088413826438	-101.2522943	307066.7760330953	4403644.100136324	3105.49197170837818	3045.647687851777	3006.112863622949	3005.40505831603	35.8342823	40.60718202017415
371	393	290451	-126741.1413	1051117.3170250766	36.7008928468195	-101.2499844	307267.775	4403640.217307432	3091.9446953814	3043.09177	3003.517691410733	3003.261114969277	39.57407844824638	39.83054889414235
372	393	290452	-126081.1413	1051117.3170250766	36.70090154579606	-101.2476024	307468.77694591	4403636.133291184	3091.3487500501115	3040.50713572775	3001.348745440218	3009.989947623803	39.153613215954	39.153613215954
373	393	290453	-125421.1413	1051117.3170250766	36.7009101576676	-101.2451791	307669.7759691383	4403632.94814872	3093.327168994206	3038.152226328816	3000.758433518127	3009.989947623803	39.153613215954	39.153613215954
374	393	290454	-124761.1413	1051117.3170250766	36.7009187203807	-101.2429105	307870.7707040758	4403627.965764761	3093.26595696561	3035.22559569561	3009.753833274447	3009.45048858267	38.490216242116276	38.84655108103425
375	393	290455	-124101.1413	1051117.3170250766	36.700927317171635	-101.2405646	308071.7688774007	4403623.868279997	3094.576858259625	3032.5401630854262	2993.708518856058	3003.66617717006	38.8316449891774	38.87385468240215
376	393	290456	-123441.1413	1051117.3170250766	36.700935816981686	-101.2382186	308272.7666336475	4403619.7986234475	3090.088816061465	3029.8269059422	2990.28620815956	2990.254811402377	35.336069734466214	39.570979157405056
377	393	290457	-122781.1413	1051117.3170250766	36.7009447146818	-101.2358727	308473.7666218675	4403615.716068081	3027.084397746693	3008.099040686341	2986.199305701104	2986.022480520358913	41.04821652420105	41.04821652420105
378	393	290458	-122121.1413	1051117.3170250766	36.70095280653112	-101.2335267	308674.762740234	4403611.634230052	3101.1129277665522	2981.753546213731	2981.4023961158655	2981.753546213731	42.66521934553075	42.9154684339643
379	393	290459	-121461.1413	1051117.3170250766	36.7009604447046	-101.2311869	308875.7696913283	4403607.5891383	3102.4019712306557	2983.6113852018	2981.753546213731	2981.753546213731	45.37726783399921	45.37726783399921
380	393	290460	-120801.1413	1051117.3170250766	36.7009692512504	-101.2285348	309076.7569377044	4403603.4	3105.348991245536	3018.72075601483	2983.6113852018	2981.753546213731	48.7584332	48.7584332
381	393	290461	-120141.1413	1051117.3170250766	36.70097763617831	-101.2264889	309277.753899494	4403599.38730939	3106.3351925445004	3015.899302080587	2983.6113852018	2981.753546213731	52.97720917881976	52.97720917881976
382	393	290462	-119481.1413	1051117.3170250766	36.70098584046795	-101.2241429	309478.7508650598	4403595.306321839	3103.682382701673	2985.96658025244	2986.3846917196483	57.09229424	56.67361180312146	56.67361180312146
383	393	290463	-118821.1413	1051117.3170250766	36.70099404659163	-101.221769	309679.7475362543	4403591.224044425	3107.04165844831	3007.9742541038926	2984.523891121068	56.2243070780567	61.693409990401506	61.693409990401506
384	393	290464	-118161.1413	1051117.3170250766	36.701002183181279	-101.219451	309880.7440307372	4403587.13408691	3105.49508630051	3007.296396311856	2940.393054079377	2940.393054079377	66.9762452	66.9762452
385	393	290465	-117501.1413	1051117.3170250766	36.70101028	-101.217105	310081.740359173	4403583.662909181	3105.948514275715	3004.5221857445623	2984.650762948105	2984.650762948105	69.8745562	69.8745562
386	393	290466	-116841.1413	1051117.3170250766	36.70101832227896	-101.2147591	310285.7684653893	4403579.7839	3102.4019712306557	2983.6113852018	2981.753546213731	2981.753546213731	72.982752089396	72.982752089396
387	393	290467	-116181.1413	1051117.3170250766	36.70102632534216	-101.2124311	310483.704203191794	4403573.282338	3106.982377826081	2998.845737139977	2983.6113852018	2981.753546213731	75.00274056	75.00274056
388	393	290468	-115521.1413	1051117.3170250766	36.7010347946053	-101.2100672	310684.7281556672	4403569.82154692	3114.63132	2996.02735150735	2946.248775952915	2946.409912054956	49.7784951972021	49.7784951972021
389	393	290469	-114861.1413	1051117.3170250766	36.70104219006313	-101.2077212	310885.723746806	4403565.72	3123.295951837999	2993.22831	2954.0340735880258	2954.0340735880258	51.294236834117	51.294236834117
390	393	290470	-114201.1413	1051117.3170250766	36.701050055341975	-101.2053753	311086.7191092202	4403562.660217094	3116.97924113958	2990.452337713427	2961.5488973004594	2981.810911436717	21.962054012967432	21.962054012967432
391	393	290471	-113541.1413	1051117.3170250766	36.70105787925705	-101.2030293	311287.743909406	4403558.82559094	3119.36340761456	2987.7303008273493	2965.629213821844	2964.4908	21.87808705505222	21.87808705505222
392	393	290472	-112881.1413	1051117.3170250766	36.70106549923581	-101.2008633	311488.7605256994	4403554.50339974	3116.708897116277	2986.625965028763	2985.903032	2971.3046720417185	17.19534350174393	13.67792215203775
393	393	290473	-112221.1413	1051117.3170250766	36.70107362250766	-101.1984518	311699.7440790415	4403550.18740254	3122.4019712306557	2983.6113852018	2981.753546213731	2981.753546213731	22.982752089396	22.982752089396
394	393	290474	-111561.1413	1051117.3170250766	36.70108103312464	-101.1959914	311880.68807551	4403546.345621129	3115.4188029333673	2979.630532687983	2975.64302323898	2975.64302323898	70.7707737395	70.7707737395
395	393	290475	-110901.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevBoth.fg	SatThLggs.fg	SatThBoth.fg
477	393	290557	-56781.14133	1051117.3170250766	39.76156803373562	-101.0012754	328572.630235041	403208.645231639	3078.8991787145465	2890.0841517087197	2881.8330339692197	2881.720081504094	8.35640734999932	8.35640720425477
478	393	290558	-56721.14133	1051117.3170250766	39.76156471047379	-100.9982324	328775.6148621706	403204.586062255	3072.457243293597	2889.868566389485	2887.029634196117	28.76782545079002	12.6599022442831429	12.960402131046253
479	393	290559	-56681.14133	1051117.3170250766	39.76156584188717	-100.9986394	328974.5947746681	403200.538212461	3068.9192436567985	2889.262813253586	2887.2403391287	2872.206198	16.76839220229897	17.05673638388696
480	393	290560	-56640.14133	1051117.3170250766	39.76157232797577	-100.9984234	329175.57440129394	403178.570014441	3071.2851753509035	2888.019097112324	2884.13674402919	2869.1022430419207	19.39723530831361	19.708666668311697
481	393	290561	-56414.14133	1051117.3170250766	39.76157607	-100.9981894	329376.5538621972	403182.41149457	3072.6511151962186	2888.3496970869597	2869.122813	2868.5965297584034	19.2118845699995	19.42823732856536
482	393	290562	-53481.14133	1051117.3170250766	39.76157967417861	-100.9895454	329577.5335176067	403190.543647948	3074.01705140414	2887.836635799275	2871.546535009654	2871.58803078962073	16.29001829014357	16.23802620914357
483	393	290563	-52821.14133	1051117.3170250766	39.76158341429283	-100.9871994	329778.5122877233	403184.29047825	3072.67122987597	2887.2916808384	2875.3911216258027	2875.651535456751	11.92815535456751	11.664764154361364
484	393	290564	-52161.14133	1051117.3170250766	39.76158719062325	-100.984834	329979.4912577543	403180.2984267573	3074.7013310346806	2886.782952341627	2879.596589103023	2880.0160942817856	17.88863233806445	6.76520952377105
485	393	290565	-51501.14133	1051117.3170250766	39.76159651848167	-100.9826974	330180.4700529187	403178.1828911697	3079.03535968176	2886.227322816448	2883.610968899507	2884.016288327123	25.96324126498075	22.26683883736516
486	393	290566	-50841.14133	1051117.3170250766	39.76159405286659	-100.9801614	330381.4486853881	403176.12767861	3077.369747128846	2885.678952228763	2886.892170140035	2887.299725778794	0	0
487	393	290567	-50181.14133	1051117.3170250766	39.7615975610152	-100.9778154	330582.4271547154	403168.06966805	3069.27848688368	2885.10978529283	2888.12299620952	2889.41482320387	0	0
488	393	290568	-49521.14133	1051117.3170250766	39.7616009849161	-100.9754694	330783.40546617727	403164.013457826	3063.7617942854185	2884.55748835174	2890.2086201805673	2890.478664122735	0	0
489	393	290569	-48861.14133	1051117.3170250766	39.761603315687	-100.9731235	330983.3836088851	403159.957457817	3058.24509	2886.34430521566	2890.4638221313588	2890.711778552194	16.29001829014357	16.23802620914357
490	393	290570	-48201.14133	1051117.3170250766	39.7616079699725	-100.9707775	331185.3615877457	403155.901696761	3052.7283651294605	2883.474266670213	2890.171778552194	2890.5217329748465	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogskg.ft	BREIEvBothKrg.ft	SatThkLog.s	SatThkBoth.ft
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642	390722	52118.8586730335	1051117.310250766	39.76158724847664	-100.6141857	361732.2326524635	402542.19944787	2732.01580554413	2584.768208725581	2583.60914802961	2583.021827720604	1.519294624262642	1.7463814073807424	
643	390723	52778.8586730335	1051117.310250766	39.76153834659095	-100.6118377	361933.187992193	402537.180144971	2731.651176272493	2583.15215889698	2581.713854176483	2581.0712561651746	2.09147256161793	2.09147256161793	
644	390724	53438.8586730335	1051117.310250766	39.761579993045	-100.609437	362134.141939534	402534.101679845	2730.197834289176	2581.919579190918	2578.843836864745	2578.715293131304	3.07451138444122	3.07451138444122	
645	390725	54098.8586730335	1051117.310250766	39.7615497898107	-100.607049	362335.19629619625	402530.784927981	2729.784927981	2580.784927981	2577.784927981	2577.784927981	3.94061620382105	3.94061620382105	
646	390726	54758.8586730335	1051117.310250766	39.761527699805	-100.6048017	362536.05129170625	402526.132661923	2728.3127444939254	2579.354459571033	2577.3277444939254	2577.3277444939254	4.8076781	4.8076781	
647	390727	55418.8586730335	1051117.310250766	39.76156878800144	-100.6024557	362737.0803314737	402522.105309414	2726.950610668162	2578.14498385828	2570.37070803841	2570.745739505421	5.73800324687272	5.73800324687272	
648	390728	56078.8586730335	1051117.310250766	39.7615465729047	-100.6001097	362937.9627126021	402518.108194735	2726.090187169526	2576.9032349541326	256				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatHkElev.ft	SatThBooth.ft
729	33	290809	11098.85867307335	1051117.310250766	36.7611043254269	-100.100856	739214.875068254	4402193.408019266	2673.3788616902484	2547.2723232989858	2542.8087642405337	248.4646781493205	248.100473542823693
730	33	290810	11108.85867307335	1051117.310250766	36.76109678013424	-100.100796	7394518.815871557	4402198.408541272	2668.192276330843	2549.5950681355047	2541.1627129890367	254.780671346337547	236.296251464336307
731	33	290811	11088.85867307335	1051117.310250766	36.76108918970189	-100.100836	739615.7641912159	4402185.425287716	2622.228891	2567.82931225418	2540.36711965277	25.4178202174857	26.8179302246849
732	33	290812	11101.85867307335	1051117.310250766	36.76108519353743	-100.1004777	7398171.70858132123	4402181.417234046	2661.0941726305194	2566.084475532075	2540.093871065587	25.980574688548804	25.181937487534015
733	33	290813	11127.85867307335	1051117.310250766	36.7610787286572	-100.1007017	7380018.6528576707	4402177.415	2658.7535548163487	2562.3251850715915	2538.338425	25.392706767930703	25.86679737341345
734	33	290814	11128.85867307335	1051117.310250766	36.76106614646189	-100.3983558	7380219.5927042073	4402173.417061817	2656.0158160683375	2539.7242590286717	2540.145319	25.392706767930703	25.86679737341345
735	33	290815	11134.85867307335	1051117.310250766	36.761083473424	-100.3960908	7380420.5410699289	4402169.419806088	2642.61569253516	2560.764972594041	2538.3256151965325	25.392706767930703	25.86679737341345
736	33	290816	11148.85867307335	1051117.310250766	36.7610505768282	-100.3963638	7380621.4850062509	4402162.432236324	2658.5612727249496	2558.9654048984457	2538.488797889053	25.392706767930703	25.86679737341345
737	33	290817	11158.85867307335	1051117.310250766	36.76104259307616	-100.3981719	7380822.4286298452	4402154.425287716	2641.483106852204	2557.1539404088684	2538.030212426896	25.392706767930703	25.86679737341345
738	33	290818	11158.85867307335	1051117.310250766	36.7610476780867	-100.3989719	7381023.3725403095	4402151.425287716	2641.483106852204	2557.1539404088684	2538.030212426896	25.392706767930703	25.86679737341345
739	33	290819	11161.85867307335	1051117.310250766	36.7610268345895	-100.3986626	7381224.3161384858	4402153.425287716	2642.095673691056	2553.498025029847	2540.1980254735145	25.392706767930703	25.86679737341345
740	33	290820	11167.85867307335	1051117.310250766	36.7610188362351	-100.38428	7381425.25962429637	4402149.34726339	2649.4964170671129	2551.6554175160945	2541.5290515382044	25.392706767930703	25.86679737341345
1	394	28021	-370941.1413	1051117.310250766	36.75638320330631	-102.1179185	732887.7696910237	4403569.18976019	3577.47786511567	3566.9185544919374	3493.83335845948	3494.36412154419254	72.57241249780282
2	394	28022	-370281.1413	1051117.310250766	36.7564065285865	-102.1155729	732888.851894909	4403563.025169951	3576.3600712667148	3565.1200151549473	3492.687850065596	3492.687850065596	71.84825366246423
3	394	28023	-369621.1413	1051117.310250766	36.75643407098616	-102.1152273	732889.9335457162	4403561.851268393	3579.354204883693	3563.25252029184	3496.2535206391677	36.9558683	67.5004776577901
4	394	28024	-368961.1413	1051117.310250766	36.756456942	-102.1108817	732891.051509965	4403556.67872668	3748.562037140632	3561.6336272331487	3486.4733623345917	77.89937390438242	75.05912630939646
5	394	28025	-368301.1413	1051117.310250766	36.75648472964107	-102.1085381	732892.09682138503	4403558.33585434	3748.760049472596	3559.744673578433	3497.3756831567853	3490.346021689943	72.36890042
6	394	28026	-367641.1413	1051117.310250766	36.75651	-102.1061905	732893.1786090314	4403552.509923132	3744.958618015196	3557.9536131303735	3485.6356787005648	3489.12926461509023	72.37178263
7	394	28027	-366981.1413	1051117.310250766	36.7565325209334	-102.1038449	732894.2589311433	4403544.1608837545	3741.671300550555	3556.1747335789246	3485.140802810054	3488.5440529068896	71.0339077
8	394	28028	-366321.1413	1051117.310250766	36.75653633801048	-102.1014993	732895.3367338362	4403543.9845752885	3734.919765493625	3544.3930404966493	3485.7967402576405	3488.563875711123	65.82969479
9	394	28029	-365661.1413	1051117.310250766	36.75658553097495	-102.0991537	732896.419931441	4403531.846597734	3731.828230597841	3552.6160837341506	3484.1419371385964	3484.1419371385964	65.546053305798
10	394	28030	-365001.1413	1051117.310250766	36.75661601802665	-102.096801	732897.500204467	4403531.816221901	3726.35965647789	3550.814733729151	3486.4733623345917	67.2094737165471	64.3675197246598
11	394	28031	-364341.1413	1051117.310250766	36.75664707858349	-102.093846	732898.5510353842	4403529.45929164	3728.69182933454	3548.1051891799727	3488.157847898476	69.372573995923	67.1718073095
12	394	28032	-363681.1413	1051117.310250766	36.7566955619151	-102.0921169	732899.65942730052	4403523.30760452	3717.57057618162	3547.3010206253563	3483.644658442328	68.013757211037	63.655351882123545
13	394	28033	-363021.1413	1051117.310250766	36.75668560730477	-102.0897173	732900.7347333832	4403531.31756461	3717.2978109116348	3545.382184854312	3485.38378956423	3488.6271048071126	61.0259258895697
14	394	28034	-362361.1413	1051117.310250766	36.7567105101499	-102.0874256	732901.871729607	4403514.961083465	3714.420564070886	3543.764628454374	3493.9940531528564	49.770573015715	50.1220469604884
15	394	28035	-361701.1413	1051117.310250766	36.75673573392186	-102.08508	732902.8966257035	4403510.790657094	3718.124026404788	3541.9963253053897	3492.57958223297	3492.57958223297	49.770573015715
16	394	28036	-361041.1413	1051117.310250766	36.75676018873634	-102.082734	732903.9750835773	4403506.62047173	3728.40674487799	3540.2265503169533	3489.38513270089	3489.780146660313	50.8414171160843
17	394	28037	-360381.1413	1051117.310250766	36.75678594888274	-102.080384	732905.053333842	4403502.45929164	3728.69182933454	3538.4618619504778	3488.157847898476	69.372573995923	67.1718073095
18	394	28038	-359721.1413	1051117.310250766	36.7568109633175405	-102.0780431	732906.13813419047	4403508.296820472	3748.770172375937	3539.28769529646	3487.77023275793	3486.714789403071	69.475426603571
19	394	28039	-359061.1413	1051117.310250766	36.756834362410125	-102.0758975	732907.29079034447	4403502.113726115	3743.918446765335	3538.75058992172	3486.30137353596	48.1678577316227	48.51689041163877
20	394	28040	-358401.1413	1051117.310250766	36.75685890633165	-102.0733519	732908.28655590396	4403529.94215588	3756.352573680544	3534.1516805532	3485.01804679018	3484.61306258702	48.51689041163877
21	394	28041	-357741.1413	1051117.310250766	36.75688354849389	-102.0710063	732909.36377179367	4403525.78187388	3756.19039668998	3531.385385064995	3483.2890396582197	3482.982365490805	48.51689041163877
22	394	28042	-357081.1413	1051117.310250766	36.7569081283477	-102.068606	732910.44072721928	4403514.40645899	3759.19229694443	3529.622579064435	3481.610234258593	48.51689041163877	48.51689041163877
23	394	28043	-356421.1413	1051117.310250766	36.75693258	-102.066375	732911.5174223889	4403507.435973425	3758.818275379864	3527.862655195763	3480.06189187006	49.696326937097	49.791071971471
24	394	28044	-355761.1413	1051117.310250766	36.75695707858349	-102.063846	732912.538573046	4403502.45929164	3758.69182933454	3526.10733121299	3478.77023275793	49.770573015715	49.770573015715
25	394	28045	-355101.1413	1051117.310250766	36.75698148622901	-102.0616327	732913.67030278155	4403529.94215588	3754.35852033424	3524.3679578523202	3477.86654804725	47.8094245925023	46.75147822294
26	394	28046	-354441.1413	1051117.310250766	36.757005848280116	-102.0592781	732914.745948402	4403524.31973483	3746.110375784134	3522.613803139523	3477.050064699726	47.8094245925023	46.75147822294
27	394	28047	-353781.1413	1051117.310250766	36.75703016500765	-102.0569325	732915.7450460287	4403514.961083465	3741.93121744887	3520.74499884832	3476.7955714041365	47.8094245925023	46.75147822294
28	394	28048	-353121.1413	1051117.310250766	36.757054436421555	-102.0545868	732916.89700161497	4403526.59718438	3738.680531044606	3519.141454513845	3476.0927257207674	47.8094245925023	46.75147822294
29	394	28049	-352461.1413	1051117.310250766	36.75707852521806	-102.0522412	732917.9321395818	4403522.48015869	3736.881851600334	3517.412852	3475.369673462308	47.8094245925023	46.75147822294
30	394	28050	-351801.1413	1051117.310250766	36.75710284330834	-102.049895	732918.97401781394	4403528.36372459	3735.51791901567	3515.68949192672	3474.50343003533	47.8094245925023	46.75147822294
31	394	28051	-351141.1413	1051117.310250766	36.75712697809786	-102.0476237	732919.954482728	4403534.914082728	3734.57148127857	3514.25344388857	3473.7418187035	47.8094245925023	46.75147822294
32	394	28052	-350481.1413	1051117.310250766	36.75715106892505	-102.0452402	732921.19610140832	4403539.930524191	3736.5247	3512.257319196872	3472.424687334023	47.8094245925023	46.75147822294
33	394	28053	-349821.1413	1051117.310250766	36.75717511379716	-102.0428586	732922.27020553748	4403525.36448544	3731.571076228784	3510.5500101198827	3471.249241038892	3471.36135334471	39.300769080098439
34	394	28054	-349161.1413	1051117.310250766	36.75719911323835	-102.040513	732923.3440513631	4403521.599	3706.59945243525	3508.84750153212	3469.8401327433305	3469.8401327433305	39.300769080098439
35	394	28055	-348501.1413	1051117.310250766	36.757223067545624	-102.0381673	732924.417163957322	4403527.433080819	3707.148934010295	3467.148934010295	3468.3156043509756	3468.3156043509756	39.300769080098439
36	394	28056	-347841.1413	1051117.310250766	36.75724697644889	-102.0358216	732925.4900701256	4403516.7571278	3692				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR Elev.Logs.Kg.f	BR Elev.Both.Kg.f	Lat2.Wgs	Surf.Both.Kg.f	
115	394	29035	-295701.1413	105.17773170250766	39.589928583789585	-101.8505109	255809.48709306362	4404894.973	339.3314283518976	331.574144248531	3319.3168810812817	31.78.283025727972	12.25726316724922	13.291118520588939
116	394	29036	-295004.1413	105.17773170250766	39.59011287	-101.848167	256010.5413	4404890.827134613	335.061595683052	3329.056053329327	3315.9756914007535	31.54111692045015	13.0489132737243	13.6389132737243
117	394	29037	-294281.1413	105.17773170250766	39.590331057616	-101.846819	256211.5465144746	4404896.681438919	334.791668187113	3312.7270032034916	3312.724754699106	33.12.742754699106	13.0004702305162	14.1432760176855
118	394	29038	-293721.1413	105.17773170250766	39.59053208770176	-101.8443372	256412.6446465292	4404885.535067209	332.20481047693	3304.105097117083	3308.808250650675	33.08.802490390024	15.2970716641452	15.2970716641452
119	394	29039	-293061.1413	105.17773170250766	39.59073446458636	-101.8411274	256613.7013738712	4404878.391	3318.872512	3305.643977727378	3304.9038757552294	33.12.28834460841729	13.9668324299049	13.9668324299049
120	394	29040	-292401.1413	105.17773170250766	39.59090354882592	-101.8387816	256814.7525699362	4404874.245810314	3317.8437822270107	3301.4357654000382	3300.733602815411	33.00.768162697247	17.11079411598082	17.11079411598082
121	394	29041	-291741.1413	105.17773170250766	39.5911360588278	-101.8364359	257015.0567848005	4404870.101601805	3316.815052268016	3316.815052268016	3296.643977727378	33.06.099682014843	20.171345718745215	20.8050840431727
122	394	29042	-291081.1413	105.17773170250766	39.59136381761835	-101.8340091	257216.8567152444	4404865.968018015	3315.7863232045924	3315.209638	3291.3415179674394	3300.690710783319	23.86812005	24.51935013521097
123	394	29043	-290421.1413	105.17773170250766	39.59153358493625	-101.8317443	257417.93604285794	4404861.812360678	3314.247084	3313.3665674381336	3285.7030793304605	3284.9847741683537	27.683818917779948	28.427692707779948
124	394	29044	-289761.1413	105.17773170250766	39.591735051363	-101.8293589	257618.969021451	4404857.168631922	3312.173580140594	3311.78955692019	3290.824577472437	32.9796379454300903	30.962082144775195	31.816741426102817
125	394	29045	-289101.1413	105.17773170250766	39.59193380918173	-101.8270528	257820.01113673535	4404853.524064033	3310.423257230206	3280.451154464784	3279.6242740196492	33.00.92708258242113	30.79897870379817	30.79897870379817
126	394	29046	-288441.1413	105.17773170250766	39.5921321138327	-101.824707	258021.0621323529	4404849.381089705	3312.09784093414	3309.299830455184	3285.2307331680227	33.06.917062699275	24.0690972871618	24.51876748821314
127	394	29047	-287781.1413	105.17773170250766	39.5923239652995	-101.8223612	258222.1128892040	4404845.2397818629	3326.70313266508	3308.421368502926	3290.685919907083	33.09.4976193113884	17.75276939616495	17.923699591539283
128	394	29048	-287141.1413	105.17773170250766	39.5925273635876	-101.8200154	258423.1634074972	4404841.947895953	3318.936464	3307.807320132408	3295.257909094105	33.12.23611894923	12.549411109130233	12.549411109130233
129	394	29049	-286461.1413	105.17773170250766	39.5927243088965	-101.8176986	258624.213887431	4404836.951997209	3314.227394587523	3307.88817406094	3298.326856505053	32.99.47517895384	18.7045175603801	18.7045175603801
130	394	29050	-285801.1413	105.17773170250766	39.59292020002652	-101.8153239	258825.2637292035	4404832.80945443	3348.484125680055	3307.511167677384	3303.41664030032	33.03.219461	4.1131732645704233	4.1131732645704233
131	394	29051	-285141.1413	105.17773170250766	39.59311168	-101.8129781	259026.2133333088	4404828.66147502	3354.235649999146	3308.0051147381787	3307.9493058959394	33.03.6558974897	0.055066169	0.055066169
132	394	29052	-284481.1413	105.17773170250766	39.59331242494234	-101.8106323	259227.3630909201	4404824.525082976	3328.47836724951	3308.8508127357395	3312.819811356626	33.12.533253698855	0	0
133	394	29053	-283821.1413	105.17773170250766	39.59350575573298	-101.8082865	259428.1422740851	4404820.382362255	3362.72108252859	3310.025337785898	3317.911624308103	33.17.7390966823217	0	0
134	394	29054	-283161.1413	105.17773170250766	39.59370272365358	-101.8059407	259629.4615	4404816.216323525	3366.9638281024	3311.453626690656	3322.521056705688	33.22.5916862912	0	0
135	394	29055	-282501.1413	105.17773170250766	39.59389624656054	-101.8038498	259830.5103724656	4404812.100348607	3372.45496982176	3313.035016690253	3324.808898	33.24.9647888888	0	0
136	394	29056	-281841.1413	105.17773170250766	39.5940092	-101.8012491	260001.5589505352	4404807.959525063	3378.194517607158	3314.7366707774387	3323.73562520418	33.23.688052992924	0	0
137	394	29057	-281181.1413	105.17773170250766	39.59418102936982	-101.7991831	260183.1829359382	4404803.819623948	3382.6103719529919	3317.10326532777	3320.06925320413	33.29.06925320413	37.85857374069087	37.85857374069087
138	394	29058	-280521.1413	105.17773170250766	39.59447644515406	-101.7965575	260433.65551512723	4404795.5377788503	3392.673585810295	3318.3762777577524	3314.9034622727234	33.31.62429750363	3.4204144503382406	3.961379273393183
139	394	29059	-279861.1413	105.17773170250766	39.5946688	-101.7942117	260634.7302429045	4404786.374319669	3390.1769094706217	3308.163604518215	3308.163604518215	33.00.4054295462462	12.538985754472289	12.538985754472289
140	394	29060	-279201.1413	105.17773170250766	39.59486079494555	-101.7918659	260835.7510940327	4404791.397	3391.205336470929	3322.05140490503	3301.907809478798	33.31.352199939067	20.107330970252406	20.6294049
141	394	29061	-278541.1413	105.17773170250766	39.5950523	-101.7895201	261036.7988504282	4404787.25740785	3392.8551483831684	3296.24062388585	3295.50713196655	33.26.4152424973039	28.34738616513474	28.34738616513474
142	394	29062	-277881.1413	105.17773170250766	39.595243355615	-101.7871474	261237.84573058502	4404783.117648725	3384.754979	3325.673202409794	3291.075079325575	33.29.320208089864	34.59812256722671	35.3529494038077
143	394	29063	-277221.1413	105.17773170250766	39.5954369891735	-101.7849679	261438.8926592841	4404780.97838313	3387.1023526529341	3327.45125949385	3290.06925320413	33.29.06925320413	37.85857374069087	37.85857374069087
144	394	29064	-276561.1413	105.17773170250766	39.5956441035486	-101.7826827	261639.3277077407	4404783.83200484	3369.021645427	3324.7816424	3303.41664030032	33.35.82924296174	35.8332924296174	35.8332924296174
145	394	29065	-275901.1413	105.17773170250766	39.5958313797346	-101.7801389	261840.98591912593	4404780.70267469	3342.9423865120943	3330.774497885422	3301.9747403510069	33.38.39303902019	32.85709457355297	32.4245669652232
146	394	29066	-275241.1413	105.17773170250766	39.5960030387365	-101.777911	262042.0321786824	4404766.56121613	3410.8624040526537	3332.22733835786	3302.9747403	33.30.443047868905	28.53910190564147	28.53910190564147
147	394	29067	-274581.1413	105.17773170250766	39.59619128552564	-101.7754453	262243.0782036407	4404762.421378763	3410.859442604703	3333.42575463579	3304.6091239118416	33.40.81829740405	28.81645154516738	28.81645154516738
148	394	29068	-273921.1413	105.17773170250766	39.5963802	-101.7730995	262444.1239941005	4404758.284897256	3410.882005774716	3334.297310200087	3304.358486695894	33.40.358486695894	29.90277260392027	29.90277260392027
149	394	29069	-273261.1413	105.17773170250766	39.5965684524542	-101.7703737	262645.1695503738	4404754.10730363	3408.250597288915	3334.80400182374	3304.59653958669	33.40.540486785799	30.2344622104697	30.2344622104697
150	394	29070	-272601.1413	105.17773170250766	39.596754709802	-101.7678107	262846.2148723635	4404750.09323897	3404.7510323897	3334.80261138844	3304.7380473312715	33.40.7180473312715	29.7180473312715	29.7180473312715
151	394	29071	-271941.1413	105.17773170250766	39.5969344542647	-101.7650621	263047.2599610856	4404745.871804613	3400.09221097158	3334.816602827393	3308.163604518215	33.38.9289221955652	28.3214907408793	28.3214907408793
152	394	29072	-271281.1413	105.17773170250766	39.5971128678129	-101.7637163	263248.3041935905	4404741.73409138	3391.6473136177246	3334.7571698723	3308.26566124988	33.40.5558558689	26.4870576223483	26.4870576223483
153	394	29073	-270621.1413	105.17773170250766	39.597315365199	-101.7613705	263449.3494373935	4404737.5976578483	3383.20241632265	3334.452800231729	3309.51071429355	33.40.76573825967	24.9027613925967	24.9027613925967
154	394	29074	-269961.1413	105.17773170250766	39.5975005023371	-101.7590247	263650.383256621	4404734.460917592	3374.7517951027585	3334.0286550387	3308.3138420895464	33.40.307353119965	25.76912341794059	25.76912341794059
155	394	29075	-269301.1413	105.17773170250766	39.59769858143372	-101.7566788	263851.4780894876	4404729.324	3371.082603	3333.66259895216	3308.079561411334	33.40.74447253826257	28.68192457582657	28.68192457582657
156	394	29076	-268641.1413	105.17773170250766	39.5978780	-101.754333	264054.4819034613	4404728.18162524	3372.17767	3333.20136172588	3302.535796	33.40.10135974437	30.66667538768402	31.10082719795127
157	394	29077	-268021.1413	105.17773170250766	39.5980638217807	-101.7520997	264259.5269353526	4404724.378084358	3370.4372625158	3333.4372625158	3302.535796	33.40.10135974437	30.66667538768402	31.10082719795127
158	394	29078	-267321.1413	105.17773170250766	39.59823358214205	-101.7496414	264454.5690509077	4404716.91370476	3374.367016884705	3332.1779257105	3302.535796	33.40.10135974437	30.66667538768402	31.10082719795127
159	394	29079	-266661.1413	105.17773170250766	39.59842139316965	-101.7472596	264655.612276414	4404712.781	3380.334674564508	3331.				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	Wt.f	SurfBoth.f
241	394	291061	-212541.1413	105.77773170250766	36.7619143560315	-10.5549346	20114.3866166108	4404374.48948106	3807.003967384353	3251.52373331907	3173.854863387765	3169.036544606325	77.66924071313064	82.48718893127469
242	394	291062	-211881.1413	105.77773170250766	36.76120600875205	-10.5528897	28131.4411	4404370.37366813	3486.376043243764	3245.5366441208161	3172.3651912491828	3167.147459594933	77.147459594933	83.39252474866795
243	394	291063	-211221.1413	105.77773170250766	36.76122054	-10.5502427	28152.4357486004	4404366.258714684	3485.008813655544	3249.521794856312	3170.635816910315	3166.345397402403	77.68920325459972	83.18639145322298
244	394	291064	-210561.1413	105.77773170250766	36.76120947159904	-10.5496988	28173.460018979	4404362.131709716	3482.9011195	3248.508067255463	3168.1377644561594	3164.72169034436	78.7307307648889	83.78637121
245	394	291065	-209901.1413	105.77773170250766	36.761249457115994	-10.5455509	28194.84413452157	4404358.029	3480.739527100676	3247.4641580757366	3167.600321785445	3163.732157106193	79.86383629	83.7200636954289
246	394	291066	-209241.1413	105.77773170250766	36.76123634818791	-10.543205	28214.507953023	4404353.9142411905	3478.685958219162	3246.757406015484	3166.244604	3162.69894401368	80.15903685	83.69964611812816
247	394	291067	-208581.1413	105.77773170250766	36.76127819593802	-10.5405891	28234.55515575556	4404349.80139663	3475.7714219074753	3245.3057638258239	3164.7553395287255	3161.648593267255	80.55042420155527	83.65641428588329
248	394	291068	-207921.1413	105.77773170250766	36.76129249736622	-10.5381312	282547.5544883006	4404345.68609259	3472.053578553587	3244.18258719294	3164.140995933378	3159.9016002207854	81.14891291584	84.2836849850848
249	394	291069	-207261.1413	105.77773170250766	36.7612565747256	-10.5356176	282748.575124878	4404341.5722989815	3468.284751636984	3243.3322927145326	3161.534319422404	3158.955083682726	81.48909792912841	84.1618206426863
250	394	291070	-206501.1413	105.77773170250766	36.76120396425694	-10.5338213	282949.8010893524	4404337.45871815	3464.62635416571	3241.8431219196127	3159.972485574097	3157.74720925955	81.87023349203562	84.0484040936718
251	394	291071	-205841.1413	105.77773170250766	36.761335129719384	-10.5314574	283150.623839679	4404333.454247555	3461.439056043173	3240.6136882134	3158.386698963427	3156.610479947147	82.2268618350056	84.0031802693301
252	394	291072	-205281.1413	105.77773170250766	36.7613492485968	-10.5291295	283351.64637768024	4404329.23248796	3458.779558208643	3239.3396748384575	3156.7430861394105	3155.8726486129943	82.5965869899704	83.46702522541318
253	394	291073	-204621.1413	105.77773170250766	36.7613323467832	-10.5267836	283552.6867025492	4404325.19153924	3456.120461012182	3238.614258487545	3154.9770771594053	3154.326429417162	83.03946569989704	83.69011334132969
254	394	291074	-203961.1413	105.77773170250766	36.7613773541474	-10.5244377	283753.6908150806	4404321.069620136	3453.46116748741772	3236.640055289501	3153.0389478874263	3152.742183011402	83.60117040260748	83.7702272784509
255	394	291075	-203301.1413	105.77773170250766	36.7613913383491	-10.5220918	283964.121751825	4404316.945647425	3450.4410265836745	3235.20649951476	3150.899530546567	3150.129419491369	83.8474069692916	84.4770807
256	394	291076	-202641.1413	105.77773170250766	36.7614052720138	-10.5197458	284155.7340311964	4404312.78	3450.005875972498	3234.712096644816	3148.654001170817	3148.56859714513	85.0589054035992	85.1433949096672
257	394	291077	-201981.1413	105.77773170250766	36.76141917073155	-10.5173999	284356.75586721907	4404308.67585194	3443.6799649058569	3232.157813	3146.442973120096	3146.29533646107336	85.174836999307642	85.86248309739642
258	394	291078	-201321.1413	105.77773170250766	36.761430189356	-10.515054	284557.1747535693	4404303.50595569	3438.299351340687	3230.540562100371	3144.21143936813	3144.04473144031174	86.3912271355826	86.4661217809397
259	394	291079	-200661.1413	105.77773170250766	36.76144682182541	-10.5127081	284758.79819641233	4404300.447567167	3436.2483064121407	3228.8622478685484	3142.0322473405686	3141.8906309792948	86.830005257979	86.9715947
260	394	291080	-200001.1413	105.77773170250766	36.7614605793805	-10.5103621	284959.810793395927	4404296.336419709	3434.562834545743	3227.12544203802	3139.912901662430	3139.63408927348	87.2124054413688	87.3301333130973
261	394	291081	-199341.1413	105.77773170250766	36.76147429163048	-10.5080162	285106.83966841275	4404292.25513282	3433.805368776095	3225.3323687905	3137.854137980483	3137.564054771345	87.958399887677	87.76846740772075
262	394	291082	-198681.1413	105.77773170250766	36.7614678549567	-10.5056703	285361.6800798296	4404288.114547875	3431.08739813513	3224.591126578252	3132.3725401644692	3132.249739118678	88.146584187769	88.04306999214208
263	394	291083	-198021.1413	105.77773170250766	36.761453655722	-10.478272	28562.123346105	4404280.590423641	3428.302484954124	3215.01212891917	3131.05420130055	3130.89146224609	88.230584186221	88.3672211
264	394	291084	-197361.1413	105.77773170250766	36.76151515624176	-10.5009784	285763.900252909	4404279.89420409	3458.41911579603	3219.63029172767	3131.07230991135045	3131.6855056762456	87.65569305926238	87.8790384956213
265	394	291085	-196701.1413	105.77773170250766	36.76152867373435	-10.4983235	285864.9200834426	4404275.78429793	3457.5497560438	3217.69143387393	3130.15384	3129.78372784248	87.5375938921302	87.893061543132
266	394	291086	-196041.1413	105.77773170250766	36.76152417300334	-10.496286	286165.93661533	4404271.67596285	3456.68032204123	3215.6863052711637	3128.341821755765	3127.956071295594	87.3444831539822	87.730239756972
267	394	291087	-195381.1413	105.77773170250766	36.7615561331089	-10.4939406	286366.950927749	4404267.565135683	3455.45572417076	3213.651801389959	3126.568945	3126.152139672625	87.60386555952932	87.49958742
268	394	291088	-194721.1413	105.77773170250766	36.7615690823963	-10.4915947	286567.781836826	4404263.45916411	3453.865774740527	3211.59282781516	3124.8336538169633	3124.387257532046	86.769174	87.20557028347412
269	394	291089	-194061.1413	105.77773170250766	36.7615823614653	-10.4892848	286869.89879791	4404260.346837921	3452.27913185153	3209.519126578252	3122.3725401644692	3122.249739118678	86.85684387769	87.3301333130973
270	394	291090	-193401.1413	105.77773170250766	36.7615982229603	-10.4869028	286970.0158774401	4404258.23500941	3450.6154949379	3207.43589239033	3121.53335	3120.881818558	86.9075318061937	87.479171861144
271	394	291091	-192741.1413	105.77773170250766	36.76160892	-10.4845569	287171.034048329	4404251.12970381	3447.988602111896	3205.3450754949436	3120.073567871424	3119.4141031046	85.2715073200116	86.19593446479757
272	394	291092	-192081.1413	105.77773170250766	36.76162213501191	-10.482211	287372.05273040355	4404247.021	3444.1666228077044	3203.254068671055	3118.073693063665	3117.386239049495	85.1750673073904	85.8677671761046
273	394	291093	-191421.1413	105.77773170250766	36.7616350338462	-10.479865	287573.0708438614	4404242.914335664	3440.356043501243	3201.16768309624	3116.555466233324	3115.804216790867	84.6219737630017	85.364608187593
274	394	291094	-190761.1413	105.77773170250766	36.7616482463474	-10.4775191	287774.0887	4404213.80536682	3436.5316641993218	3199.0931712115453	3115.0680223438855	3114.289160307358	84.041487576974	84.8406140780951
275	394	291095	-190101.1413	105.77773170250766	36.761658150416205	-10.4751732	287975.10644575	4404208.968126821	3433.209779961478	3219.9391502651815	3113.613449884633	3112.79518241909	84.2439676282818	84.94396999214208
276	394	291096	-189441.1413	105.77773170250766	36.7616705356722	-10.472872	288176.123346105	4404200.590423641	3430.302484954124	3215.01212891917	3112.05420130055	3110.89146224609	88.230584186221	88.3672211
277	394	291097	-188781.1413	105.77773170250766	36.7616765236453	-10.4704813	288377.1412156741	4404206.483783816	3427.557919718135	3193.05286450807	3110.789552132656	3109.93863989087	82.2547337318115	83.17160090959176
278	394	291098	-188121.1413	105.77773170250766	36.76170045440914	-10.4681353	288578.1582915604	4404222.37973656	3424.31898695491	3219.108529645497	3109.36875198923	3108.330723936942	81.739778855686	82.777059175481
279	394	291099	-187461.1413	105.77773170250766	36.761713381846084	-10.4657894	288779.157526223	4404218.270438043	3422.610370266845	3189.2436046181174	3107.9674050488271	3106.7687401151483	81.2765405286444	82.4748645
280	394	291100	-186801.1413	105.77773170250766	36.76172621	-10.4634435	288980.19184119944	4404214.164057991	3421.193168602583	3187.419746991309	3106.513640604357	3105.186224082836	80.9283409275454	82.2603464536671
281	394	291101	-186141.1413	105.77773170250766	36.76173902	-10.4610975	289181.2082661726	4404210.078984695	3419.77597579021	3218.023962751301	3103.2651821	3103.2651821	80.82387577219	82.3368193829292
282	394	291102	-185481.1413	105.77773170250766	36.7617519720503	-10.4587516	289362.2245113917	4404206.315614111	3418.35876	3215.015059260756	3103.057152757895	3103.39448843616	80.4984402349653	82.6171045245452
283	394	291103	-184821.1413	105.77773170250766	36.761764366446	-10.4564284	289569.8002698712	4404202.93838024	3416.928475183004	3213.91733862513	3101.9719862237	3101.9719862237	80.4984402349653	82.6171045245452
284	394	291104	-184161.1413	105.77773170250766	36.761777164189574	-10.4545097	289784.2568238346	4404197.741171045	3416.060032066907	3210.75373184055	3100.39242042674	3096.762034037623	80.373527571671	83.9534372464138
285	394	291105	-183501.1413	105.77773170250766	36.7617897888986	-10.4517137	2							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatThLogLs.ft	SatThBoth.ft
367	394	21187	-123981.1413	105.17773170250766	39.762670761935176	-101.2559436	006467.87173885317	4003857.834678496	311.4722651612069	3052.19327267316093	3010.1693208998854	3009.7189604871487	42.02386583172394	42.4743164460624
368	394	21188	-127271.1413	105.17773170250766	39.762679624562715	-101.2569876	006688.80767518553	4003853.7496516085	409.710652796736396	3008.63947693421	3008.63947693421	40.91734695303421	39.91732025083889	
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413	394	21233	-99021.1413	105.17773170250766	39.76303351606221	-101.1514269	015713.6444031346</							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevLogKgf.ft	BRRElevBothKgf.ft	SatThLogKgf.ft	SatThBoth.ft
439	394	291313	-46221.14133	1057177.3170250766	36.7343051714991	-100.9637436	331792.561723097	4033034.992799912	3038.6334085334247	2880.4479218791806	2893.3893878927724	2893.76387636985	0	0
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495	394	291315	-44891.14133	1057177.3170250766	36.734346776969025	-100.9591615	332184.8146	4033034.883104507	3043.562762087414	2879.69971497778	2889.18923765494	2890.778975	0	0
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497	394	291317	-43581.14133	1057177.3170250766	36.734342851682004	-100.9543594	332596.2634851516	4033028.7347365503	3040.05515261395	2878.766874686827	2882.036267038246	2883.350041612647	0	0
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502	394	291322	-40281.14133	1057177.3170250766	36.73435725001605	-100.9426291	333601.14407814336	4033006.50696789	3084.896245375383	2877.13868282055	2865.4333358155	2867.41862189254	11.589343923221014	9.720086018800885
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523	394	291343	-26421.14133	1057177.3170250766	36.7344035	-100.8933619	337821.5984585725	4032923.44777539	3023.649336023025	2855.11834602127	2819.9890824965063	2820.3798338383	35.1149603176585	34.7392801287384
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526	394	291346	-24441.14133	1057177.3170250766	36.73510588508645	-100.8863237	338424.5148183664	4032911.2050310951	2979.5296793301	2845.632773579813	2809.335670381615	2809.626487848277	36.0278905693666	36.0278905693666
527	394	291347	-23781.14133	1057177.3170250766	36.735122443689	-100.8839777	338625.4862660448	4032907.257999912	2974.6169683791482	2842.25156342272202	2804.99080385798	2805.1885030798674	37.0255004142212	37.3272041736286
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529	394	291349	-22461.14133	1057177.3170250766	36.735145	-100.8792586	339027.42759433	4032919.195	2963.05260924867	2836.305187044047	2796.809364779077	2801.95142873651	40.48904005313138	40.48904005313138
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535	394	291355	-18501.14133	1057177.3170250766	36.735244905453	-100.865329	340223.2848259863	4032913.7835118141	2937.871137734358	2820.9473141165947	2784.6576065161857	2784.6576065161857	45.33966600410965	45.33966600410965
536	394	291356	-17841.14133	1057177.3170250766	36.7352511	-100.8628632	340434.2259	4032916.05015214	2948.17876965457	2784.6576065161857	2784.6576065161857	2784.6576065161857	45.33966600410965	45.33966600410965
537	394	291357	-17181.14133	1057177.3170250766	36.735263102622	-100.8605171	34							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt	BR ElevLogsKrg.ft	BR ElevBothKrg.ft	SatThovKrg.ft	SatThBoth.ft
619	291439	36938.8586730335	105.17773170250766	36.73437068	-100.6681403	17411.252587387	4402835.497086434	2664.996531342974	2642.999067562561	2601.6683183553005	2601.3345423220326	23.33749207230383	23.6645250052829	
620	291440	37598.8586730335	105.17773170250766	36.73436811832761	-100.6657942	357315.210769127	4402831.32178522	2668.923493003033	2623.2375436301715	2600.036503214071	2599.8271785005305	23.330141610025	23.41025612516796	
621	291441	38238.8586730335	105.17773170250766	36.73436531321281	-100.6634482	357516.1688152646	4402827.89750818	2572.8624535930693	2611.4463481853583	2598.0236789407026	2598.841219766904	22.41768697891716	22.685128424893982	
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623	291443	39578.8586730335	105.17773170250766	36.7343617693215	-100.6587651	357918.04843967076	4402818.948882788	2684.12345688700	2617.7683931382917	2598.493544925016	2598.356237792107	19.274882312190126	19.414765346184595	
624	291444	40238.8586730335	105.17773170250766	36.73435472148104	-100.656441	358119.042133022	4402814.924026862	2695.10512633799912	2615.8910625544854	2598.2507178054598	2598.207709747466	17.640343208701022	17.764337268207012	
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626	291446	41588.8586730335	105.17773170250766	36.73435180960172	-100.6517179	358520.59699762064	4402807.77728893	2716.7700681920184	2612.0952529932306	2598.00467104075	2597.889168374867	14.03745888915506	14.20686419633548	
627	291447	42218.8586730335	105.17773170250766	36.73434898283958	-100.6493718	358721.9142267342	4402804.544686192	2728.301342786292	2610.18791861786292	2597.36789447026	2597.26874864152915	12.9188969342552	13.19303227533101	
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632	291452	45518.8586730335	105.17773170250766	36.73433386913493	-100.6376416	359726.6984455743	4402784.61843574	2771.39714903259	2600.703493259	2596.3579953754765	2596.3510366696195	4.34514541778253	4.090082127064306	
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634	291454	46838.8586730335	105.17773170250766	36.73432752637126	-100.6329495	360128.6111498033	4402775.5984522	2797.895402533275	2596.809120053114	2596.8461757041555	2596.047123039634	1.423024211558196	0.924381165650116	
635	291455	47498.8586730335	105.17773170250766	36.7343248700039	-100.6306034	360329.56730141863	4402771.57113677	2817.845525	2596.1645605616745	2594.517982409153	2594.600416740597	0.8465167525216698	0.5585188876148095	
636	291456	48158.8586730335	105.17773170250766	36.73432100233406	-100.6282574	360530.323193206	4402767.556012801	2817.496785990494	2593.362716274823	2593.277513123978	2592.8592605724425	0.069731051	0.50795702810931	
637	291457	48818.8586730335	105.17773170250766	36.734176228048	-100.6259113	360731.4720363676	4402763.35149788	2817.14804640249	2591.60126	2589.8448902485	2589.62148849027	1.75639451001774	1.597107583328085	
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639	291459	50138.8586730335	105.17773170250766	36.7341087625647	-100.6212192	361133.3905725627	4402755.49417317	2786.978218298447	2588.181044352187	2587.6954828175977	2587.114823206439	0.48585135	1.0662213258383417	
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642	291462	52118.8586730335	105.17773170250766	36.7340032427539	-100.614181	361736.2569263436	4402743.4340263	2745.07905480134	2583.397384814737	2580.446924147034	2580.4044174525516	2.950443341333576	2.945277317618064	
643	291463	52778.8586730335	105.17773170250766	36.7339674029637	-100.611835	361937.2171713143	4402734.4196643	2811.91622856568	2577.9887399170623	2578.070749592533	2578.0743438663594	1.350443436629489	1.689838165051078	
644	291464	53438.8586730335	105.17773170250766	36.7339030299133	-100.6094889	362138.1667	4402735.3957881	2817.840253960156	2580.4989435081657	2575.28526149777	2575.471877531045	0.5211373601887954	0.502765977092661	
645	291465	54098.8586730335	105.17773170250766	36.7338940396305	-100.6071429	362339.1215	4402731.37670891	2820.09935815707	2579.1468580395925	2573.0929749683933	2573.2312034791403	6.251683067699174	5.82745566097924	
646	291466	54758.8586730335	105.17773170250766	36.7338596	-100.6047968	362540.0761879287	4402732.35800545	2886.3509152721575	2577.868231579492	2570.5302144063996	2570.78115995366	7.337310173002696	7.080115284156361	
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655	291475	60698.8586730335	105.17773170250766	36.73349881123284	-100.5838624	364364.652232939	4402691.22907945	2817.378766579318	2571.82045305254	2554.230850049634	2554.230850049634	19.46769801844718	18.9838165051078	
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657	291477	62018.8586730335	105.17773170250766	36.733415336485	-100.5789903	364750.56916678476	4402687.18336421	2624.872064	2572.1325664597325	2554.500435374765	2554.165200471777	17.6321310846757	17.97366041935293	
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663	291483	65978.8586730335	105.17773170250766	36.7331										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Ln	BREIELogKgr.f	BREIEBothKgr.f	SatBoth.f	
5	395	291565	-368301.1413	1052437.3170250766	39.75829746591405	-102.1085689	23669.2833416407	4405553.865192088	3745.585519279152	35.86632581355534	3486.726113407782	3489.8149392637733	72.93714472777128	69.84831878179007
6	395	291566	-367641.1413	1052437.3170250766	39.7584487487104	-102.1062322	23389.364224801	4405546.692213027	3743.2947144420216	3557.860870281949	3484.9588059135995	3488.047111751273	72.92206435947395	69.80615912473195
7	395	291567	-366981.1413	1052437.3170250766	39.7583491381428	-102.103875	23409.4448519872	4405520.489833698	3738.5374012124754	3556.10117780132	3484.467705145552	3487.983891648291	71.63342738675252	69.81072861330481
8	395	291568	-366321.1413	1052437.3170250766	39.75837331684308	-102.1015319	23429.5251782234	4405541.347309079	3734.298549680393	3554.320235034394	3485.172128460031	3488.04673603268	71.5207385534814	69.72738874706965
9	395	291569	-365661.1413	1052437.3170250766	39.75838944985919	-102.0991862	23450.05361642346	4405537.175162764	3729.064869803705	3552.5502241766835	3483.515349350601	3486.5330839386567	70.6942248760261	69.61486513806304
10	395	291570	-365001.1413	1052437.3170250766	39.75842373576081	-102.0968405	23470.168514514	4405535.003269267	3720.5579465172086	3550.779456712514	3483.0142342735675	3485.0487709536318	70.7562224371365	68.83074714893064
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12	395	291572	-363681.1413	1052437.3170250766	39.7584737702203	-102.0921492	23510.8440415415	4405524.66021809	3720.372701	3547.247587110276	3483.174707202286	3486.0789162171189	70.67287990842906	59.5484279349215
13	395	291573	-363021.1413	1052437.3170250766	39.75849395418158	-102.0898038	23530.45230916845	4405520.489833698	3719.833681425234	3545.465303017834	3484.467705145552	3487.983891648291	71.63342738675252	57.85384865101261
14	395	291574	-362361.1413	1052437.3170250766	39.7585124352289	-102.0874578	23550.06167896802	4405516.318106581	3719.2510406822043	3543.7249508115	3484.12084529855	3483.7375154721774	49.85029055129958	49.85879690877484
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16	395	291576	-361041.1413	1052437.3170250766	39.75857311217525	-102.082765	23590.15867021086	4405507.97869374	3735.270756118357	3540.199671662689	3489.490619823214	3489.157277366217	50.7090518347525	51.0423942964721
17	395	291577	-360381.1413	1052437.3170250766	39.75859786287799	-102.0804208	23610.236671334	4405503.860768846	3746.149680311765	3538.43704373521	3488.70186925978	3488.24845843411	49.7292681154387	50.10859789411094
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27	395	291587	-353781.1413	1052437.3170250766	39.7588439505784	-102.0569408	238123.591441152	4405470.459636972	3748.4747818317174	3520.81362478534	3478.4449185616276	3478.465196516276	44.9489216	46.460897016730494
28	395	291588	-353121.1413	1052437.3170250766	39.75886737453118	-102.0546182	238321.0750580805	4405457.95060117	3734.529677811827	3518.176269649497	3476.572715103897	3476.5206103816187	44.9489216	46.460897016730494
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34	395	291594	-349161.1413	1052437.3170250766	39.75901204811087	-102.040548	239573.5231497107	4405434.97839231	3713.3647932192167	3508.90341216117	3469.93215971742	3469.93215971742	39.95112209151224	39.69730505375853
35	395	291595	-348501.1413	1052437.3170250766	39.75903602945555	-102.0381983	239728.5963463444	4405428.785	3697.347105462233	3507.200000079771	3468.921671577705	3468.8527841588752	37.23737320200698	38.3481159209591
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42	395	291602	-343881.1413	1052437.3170250766	39.75920241796341	-102.0217783	241136.10246112533	4405399.63039183767	3669.071494796983	3512.27038971342	3465.3650748725217	3466.281219	39.21885237891744	39.21885237891744
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44	395	291604	-342561.1413	1052437.3170250766	39.759249557298325	-102.0170868	241538.24746326436	4405391.30314262	3673.5280950891675	3491.7959110717865	3462.24626297209	3462.24626297209	39.220261857120477	39.220261857120477
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47	395	291607	-340581.1413	1052437.3170250766	39.75931962403781	-102.010168	242142.56931414297	4405379.81933072	3681.23623819313	3487.267313148066	3457.2827372968	3457.2827372968	39.220261857120477	39.220261857120477
48	395	291608	-339921.1413	1052437.3170250766	39.759343329115079	-102.0077339	242324.526291829	4405374.651193302	3681.97629063964	3486.0912230323147	3456.033489557348	3453.		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtBoth.f
131	395	291691	-285141.1413	1052437.3170250766	36.761124673448555	-101.8130034	259030.46761716038	4405029.995697349	3346.0624303584973	3304.972483322209	3304.679493472872	3304.939256402542	0.2929984933711836	0.5790240067570817
132	395	291692	-284841.1413	1052437.3170250766	36.7611442251243	-101.8106576	259231.51692779044	4405025.83347965	3350.632705024666	3305.94731766127	3310.9717321761524	3310.718367512821	0	0
133	395	291693	-283621.1413	1052437.3170250766	36.76120355676	-101.8088117	259432.656995182	4405017.11321391	3357.2133064466	3307.300819571984	3318.031842750964	3317.8912303594	0	0
134	395	291694	-283161.1413	1052437.3170250766	36.761231466177	-101.805659	259591.643824649	4405017.569259181	3359.768690700450	3308.89778498704	3325.247079470909	3325.491300970000	0	0
135	395	291695	-282501.1413	1052437.3170250766	36.7612026377456	-101.80362	259834.6634262407	4405013.47296363	3365.734479637608	3310.638307	3330.163137	3330.62223752013	0	0
136	395	291696	-281841.1413	1052437.3170250766	36.7612201557377	-101.8012742	260035.717937251	4405009.286627627	3373.055986419821	3312.4597844769605	3328.8051277444947	3329.00150159043	0	0
137	395	291697	-281181.1413	1052437.3170250766	36.76124134804035	-101.7989283	260236.759891813143	4405005.145534788	3380.376373776085	3314.328363650242	3325.280219086325	3325.1815894367483	0	0
138	395	291698	-280521.1413	1052437.3170250766	36.76126063518811	-101.7968285	260437.8076005145	4405001.004702117	3387.697160942363	3316.20573675472	3318.795488278845	3318.3185107611864	0	0
139	395	291699	-279861.1413	1052437.3170250766	36.7612798701695	-101.794266	260638.85549759045	4404996.82115102	3388.5242563885257	3318.97367591446	3317.15157470887	3310.834466962096	0.516381320578761	0.453471025256204
140	395	291700	-279201.1413	1052437.3170250766	36.76129907324484	-101.791890	260839.90287325758	4404992.73745232	3385.86081105977	3319.956283372854	3309.491513320789	3305.81632401871	13.47704704526659	14.139947338282
141	395	291701	-278541.1413	1052437.3170250766	36.761281274138	-101.7895449	261040.9050256778	4404988.53830008	3392.19608286242	3321.97715900194	3302.750213265279	3302.296863268181	14.046623361468	15.035038710831063
142	395	291702	-277881.1413	1052437.3170250766	36.7613733058264	-101.787199	261241.9999699905	4404984.34756915	3378.531516546823	3323.595564226405	3300.533639902257	3300.37306418277	22.02192423479603	23.2225004036442
143	395	291703	-277221.1413	1052437.3170250766	36.7613563913229	-101.7848532	261443.0470558052	4404980.304	3380.995151193013	3325.3325155198236	3300.604492420589	3300.924071849778	24.7280629134045	24.74403736004547
144	395	291704	-276561.1413	1052437.3170250766	36.7613754036226	-101.7820753	261644.0901789183	4404976.164771035	3389.580730	3326.982454270033	3306.644384543995	3297.142324569173	30.33098916038114	29.84011170806203
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148	395	291708	-273921.1413	1052437.3170250766	36.76145101406485	-101.7731239	262448.2737239292	4404959.609027578	3305.169244893333	3331.870440240094	3302.21960872065	3302.2996713695057	28.625031519479198	28.28567805704331
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150	395	291710	-272601.1413	1052437.3170250766	36.761488546026925	-101.7684321	262850.3640903129	4404951.33348105	3307.3634242681	3333.761753225253	3305.5729855619884	3305.5696915602362	27.19918967026362	27.199189671735976
151	395	291711	-271941.1413	1052437.3170250766	36.76150724401817	-101.7660863	263051.4809227139	4404947.195109369	3331.52914624329	3332.868687995217	3307.7380240730013	3307.7380240730013	25.01343429604134	25.01343429604134
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154	395	291714	-269961.1413	1052437.3170250766	36.7615630607195	-101.7590408	263654.54201914515	4404934.78163353	3368.601648017206	3324.381598756727	3331.775134182367	3314.435178954301	15.83202818705637	17.91298708
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156	395	291716	-268641.1413	1052437.3170250766	36.76160065417416	-101.7543569	264056.626848276	4404925.510953498	3369.004710149933	3331.628819561293	3301.674328348535	3301.466573020802	29.95449115127576	30.1625542532719
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158	395	291718	-267321.1413	1052437.3170250766	36.76174635279177	-101.7496651	264458.71622037154	4404918.238711545	3374.63157470932	3330.73302500205	3296.741845283315	3296.741845283315	33.7919706098558	33.7919706098558
159	395	291719	-266661.1413	1052437.3170250766	36.76176519642629	-101.7473193	264659.6503924017	4404914.10283632	3381.405481089633	3329.405481089633	3324.110468542738	3324.110468542738	42.23238498259322	42.23238498259322
160	395	291720	-266001.1413	1052437.3170250766	36.76178227547975	-101.7449734	264860.8027027015	4404910.97171545	3382.13085154553	3329.70433999521	3329.70433999521	3329.70433999521	38.7455440502017	38.7455440502017
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166	395	291726	-262041.1413	1052437.3170250766	36.761779227547975	-101.7309817	266067.053924017	4404884.591522775	3342.294505890135	3325.94505890135	3283.956430505604	3283.956430505604	45.0385408297024	45.0385408297024
167	395	291727	-261381.1413	1052437.3170250766	36.76180024837502	-101.7285522	266268.09471250523	4404881.02599144	3342.029096582288	3325.429485824058	3282.65480404958	3282.65480404958	47.711181869983	47.711181869983
168	395	291728	-260721.1413	1052437.3170250766	36.76181817589416	-101.7262063	266469.1356018798	4404876.892	3347.85963452323	3324.7710578939	3280.89016152747	3281.026150434326	48.00801349619124	47.74424246441624
169	395	291729	-260061.1413	1052437.3170250766	36.76183685012052	-101.7238604	266670.176261191	4404872.75880853	3341.68846241319	3324.10756715786	3278.93342946257	3279.104736227191	46.9892716233187	46.9892716233187
170	395	291730	-259401.1413	1052437.3170250766	36.761853890526285	-101.7215145	266871.216690574	4404868.62584191	3346.511923892165	3324.913824352915	3277.210473622719	3277.210473622719	45.9388562539104	45.9388562539104
171	395	291731	-258741.1413	1052437.3170250766	36.76187186861141	-101.7191698	267072.508903322	4404864.927792173	3347.97191446374	3322.72012366697	3275.8934576294914	3276.203963481957	45.1661008532099	45.1661008532099
172	395	291732	-258081.1413	1052437.3170250766	36.761899432875827	-101.7168227	267273.2966061444	4404860.30117144	3348.096177369813	3321.9944446486456	3275.014648464919	3275.4374727799628	46.940040980545	46.940040980545
173	395	291733	-257421.1413	1052437.3170250766	36.761917369131863	-101.7145319	267485.9830704905	4404856.13190243	3349.178764582168	3321.718764582168	3274.718764582168	3274.718764582168	48.781386725398	48.781386725398
174	395	291734	-256761.1413	1052437.3170250766	36.761924789442067	-101.7121329	267675.3711361546	4404852.09561799	3348.262922192732	3320.47846759964	3277.068594185967	3277.068594185967	50.34267398447011	50.34267398447011
175	395	291735	-256101.1413	1052437.3170250766	36.76194239974485	-101.709785	267876.41539674485	4404						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SeaTokH.f	SatThkBoth.f
25	295	29187	-201981.1413	1052437.3170250766	36.32332214848884	-105.15174179	284360.87773624144	404505.971408242	3463.482818685754	3321.8623917507447	3146.601975917513	3146.524564402319	85.2604158333972	85.3373734815577
258	295	29188	-201321.1413	1052437.3170250766	36.3234606341574	-105.1510719	284561.8987425531	404505.859591078	3467.459304391653	3320.2349875851545	3144.29162814278	3144.2159820590185	85.3350457087637	86.01900443
259	295	29189	-200961.1413	1052437.3170250766	36.3235986669263	-105.1512759	284632.81862427646	404501.747875163	3468.217378458247	3328.5412348241615	3142.0803891231654	3141.978225525693	85.3400386889219	86.05656889219
260	295	29200	-200001.1413	1052437.3170250766	36.32373624579384	-105.1510739	284963.9401289904	404506.963067043	3465.746238196577	3326.784110478901	3139.9942134354176	3139.8200590710905	86.0089704267333	86.9640064070049
261	295	29182	-199341.1413	1052437.3170250766	36.32387323717612	-105.15080339	285164.9606041288	404483.525670050	3463.311100060729	3324.967825	3137.8847782350485	3137.7241171755929	86.0046809091757	87.2464133829089
262	295	29182	-198681.1413	1052437.3170250766	36.3239100444944	-105.15056879	285305.9606863883	404489.416343748	3460.79507863723	3323.07796209735	3135.8936920450924	3135.6176067494047	87.2040340764238	87.48196541779407
263	295	29182	-198021.1413	1052437.3170250766	36.3239614639392	-105.1503342	285567.0006219762	404448.304	3459.235257230823	3321.179695439913	3133.9623211023395	3133.7071416486447	87.24733757335	87.4725431726818
264	295	29184	-197361.1413	1052437.3170250766	36.3233282032568	-105.150096	285736.026050991	4044481.193613845	3454.42396921601	3319.21867580338	3132.08234038764	3131.7926783890047	87.1358445157399	87.42600276543736
265	295	29185	-196701.1413	1052437.3170250766	36.3234172422857	-105.149865	285899.038979641	404407.836574016	3457.650721921838	3317.219369893057	3130.24863823274	3129.82138303107	86.9705676	87.2979776518979
266	295	29185	-196041.1413	1052437.3170250766	36.323552030767	-105.1496304	286170.05920277498	404476.93557705	3455.859450171377	3315.1826397136157	3125.4554091993846	3128.09025924367	86.9708671312108	87.0853712062694
267	295	29187	-195381.1413	1052437.3170250766	36.32368860963714	-105.1493958	286371.078333471	404446.83981398	3455.744214411333	3313.2411335419218	3126.69390919655	3126.49047796501	86.4274652266744	86.82809575
268	295	29128	-194721.1413	1052437.3170250766	36.3238026629594	-105.1491612	286572.09232770676	404460.754	3453.79662358636	3311.073789138847	3124.9787337114108	3123.552557404564	86.05924490247389	86.49845291
269	295	29128	-194061.1413	1052437.3170250766	36.3239354063045	-105.1489266	286773.11593096405	404464.645	3452.02825730289	3308.93810984045	3123.5014475524076	3122.754213	86.18398728	86.18398728
270	295	29138	-193401.1413	1052437.3170250766	36.32408710899516	-105.148692	286974.134156277	404456.33639451	3450.24707747304	3306.827930750395	3121.8308129324732	3121.0532215437447	84.9971214256623	85.77447173130476
271	295	29181	-192741.1413	1052437.3170250766	36.3243197035083	-105.1484574	287175.1529912743	404454.63776764	3447.4599564774324	3304.719574852962	3120.2208948249795	3119.375971159275	84.4908002746626	85.33449737703443
272	295	29132	-192081.1413	1052437.3170250766	36.3243518438846	-105.1482228	287376.1701581071	404448.319177213	3443.634728532353	3302.591761272265	3118.2280391164504	3117.536445249891	84.3637210239535	85.0553102023953
273	295	29133	-191421.1413	1052437.3170250766	36.32434833102376	-105.1479882	287577.18861319	404444.210657789	3438.015915917758	3300.478505580846	3116.719283079045	3115.999549054087	84.75652248	84.75652248
274	295	29184	-190761.1413	1052437.3170250766	36.3246176492544	-105.14775361	287778.2062615675	404440.124233092	3436.002194650299	3308.37179837345	3115.251816332357	3114.498494933567	83.1183635050926	86.0157299037694
275	295	29135	-190101.1413	1052437.3170250766	36.3247455455896	-105.14751901	287979.2320777876	404435.99524289	3435.725706746156	3306.284284721246	3113.8258974038413	3113.057524686322	84.828371740489	83.2267267404517
276	295	29136	-189441.1413	1052437.3170250766	36.3248763730161	-105.14728441	288180.24094142905	404431.887746201	3434.069958647265	3304.23057761083	3112.4382923789594	3111.547302862777	84.7922853178584	82.6832747445057
277	295	29187	-188781.1413	1052437.3170250766	36.3250050742041	-105.14704891	288382.257967291	404427.78491025	3427.387285546373	3302.248667786565	3111.0935040847327	3110.973810028638	83.11036628497319	82.02274867841971
278	295	29138	-188121.1413	1052437.3170250766	36.32513516715394	-105.1468152	288592.2854278	404423.6737272995	3424.70554544949	3300.262580741657	3109.6328242717	3109.6328242717	83.1018193832284	81.6138772393752
279	295	29139	-187501.1413	1052437.3170250766	36.3252691943424	-105.1465308	288793.350496913	404416.96390347	3422.77850133347	3300.2718374675589	3108.346711838295924	3108.346711838295924	83.0954425	83.0954425
280	295	29180	-186901.1413	1052437.3170250766	36.3253925033735	-105.14634601	288984.3070020506	404415.460172718	3421.609056521065	3300.638055	3106.940209379467	3105.04969090175	79.69004535	81.5316423265235
281	295	29184	-186141.1413	1052437.3170250766	36.3255207115706	-105.14611141	289185.323997052	404411.353882028	3420.4396339436263	3300.91510802821	3105.4507320297516	3103.2564341790126	79.64427737306951	81.6585766238059
282	295	29184	-185481.1413	1052437.3170250766	36.3256483195642	-105.1458781	289386.3398971009	404407.142330292	3419.27019938504	3300.832543729254	3103.919999727603	3103.919999727603	79.3344371949365	82.0530632067471
283	295	29183	-184821.1413	1052437.3170250766	36.3257754743183	-105.14564221	289587.3557706085	404403.240828354	3418.104646502178	3300.212839393605	3099.2541116695	3102.8425628174	81.3836253858573	81.3836253858573
284	295	29184	-184161.1413	1052437.3170250766	36.325900271562364	-105.1454076	289787.3781	404399.036	3417.040338	3300.7180378179102	3100.7652070037963	3097.0029436959575	79.2745811697293	83.0403831954645
285	295	29185	-183501.1413	1052437.3170250766	36.326036284196526	-105.145173	289989.3867188212	404394.931129745	3415.98913129745	3300.278501750092	3097.1695249520247	3097.1695249520247	81.27128128911538	81.27128128911538
286	295	29186	-182841.1413	1052437.3170250766	36.3261542191401	-105.1449384	290190.418339005	404389.020402547	3414.876179359212	3300.1781903534	3097.00272663745	3097.00272663745	81.1646720325981	81.1646720325981
287	295	29187	-182181.1413	1052437.3170250766	36.32627956033345	-105.1447038	290391.416834327	404386.721199783	3413.562870527374	3300.754055357252	3096.358965143007	3090.036621016786	79.0150092141531	85.334432555346
288	295	29188	-181521.1413	1052437.3170250766	36.3264044495476	-105.1444892	290592.416971549	404382.616594276	3412.043746971424	3300.738267859284	3095.746918154076	3097.746918154076	79.180776	86.091372366354
289	295	29189	-180861.1413	1052437.3170250766	36.3265288485865	-105.1442346	290793.4462547063	404380.512231815	3410.5246234209103	3300.717240965348	3093.212048613204	3084.380430921793603	79.09510105214395	87.9266328598754
290	295	29180	-180201.1413	1052437.3170250766	36.326652669282	-105.144	290994.40599672855	404374.408110344	3409.005499867763	3300.7178592326237	3091.8441671070736	3091.8441671070736	88.0595021057381	88.0595021057381
291	295	29185	-179541.1413	1052437.3170250766	36.3267763957864	-105.1437584	291195.447276254	404370.304298587	3407.34563404772	3300.634380374715	3090.94128446596	3090.94128446596	87.9815937891616	88.8580377
292	295	29182	-178891.1413	1052437.3170250766	36.3268994713424	-105.1435308	291396.48861371	404366.205910347	3405.71967231	3300.612023655262	3090.7695249520247	3090.7695249520247	87.908810493395	87.908810493395
293	295	29183	-178221.1413	1052437.3170250766	36.3269720293684	-105.1432962	291597.50239117054	404362.097191807	3404.74886556115	3300.62138082635	3090.028697568515	3097.83267769594	79.193107694898	88.38708093031073
294	295	29184	-177561.1413	1052437.3170250766	36.3271440627882	-105.1430616	291798.515913371	404357.99043228	3404.195030692314	3300.61469416254	3086.7520472767296	3086.7520472767296	85.029966489574	84.441459852717
295	295	29185	-176901.1413	1052437.3170250766	36.3272659786475	-105.1428269	291999.5292374274	404353.981117602	3399.786956	3300.6183615753465	3085.17307530667	3085.17307530667	77.72324153057343	87.1030971533717
296	295	29186	-176241.1413	1052437.3170250766	36.32738734212642	-105.14259239	292200.5423466337	404349.788441921	3397.259622146577	3300.6171682195332	3084.1907277126843	3084.1907277126843	75.6209456205157	85.7911469533712
297	295	29187	-175581.1413	1052437.3170250766	36.3275080506375	-105.1423579	292401.555268247	404345.688927067	3396.732288567334	3300.6124677503	3083.194719797291637	3083.194719797291637	87.9679075159597	84.9490826626764
298	295	29186	-174821.1413	1052437.3170250766	36.32763786793814	-105.1421219	292602.5677638514	404341.583813363	3392.2045948894914	3300.61474269734	3081.933787166558	3081.933787166558	79.0089487419222	77.4066795
299	295	29189	-174161.1413	1052437.3170250766	36.3277692936454	-105.1418968	292819.650180347	404337.819324946	3390.74781934946	3300.612023655262	3080.94128446596	3080.94128446596	87.9815937891616	87.9815937891616
300	295	29180	-173601.1413	1052437.3170250766	36.3278776759274	-105.1416539	293004.59277814577	404333.30148483	3390.32360691129	3300.612044680276	3079.256660919074	3079.256660919074	79.14416000748	81.931077694898
301	295	29181	-172941.1413	1052437.3170250766	36.3279875566967	-105.141								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKg.f	BREIEvBothKg.f	SurfElevBoth	SurfElevBoth
383	395	291943	-118821.1413	1052437.3170250766	39.764620205102155	-101.2218181	309867.92682810824	4043093.777080447	3080.014056356547	3007.887804190384	2961.7452412683033	2962.236530524435	45.842265222080924	45.4420737366594902
384	395	291944	-118611.1413	1052437.3170250766	39.76462834274503	-101.219472	309888.5220606547	4043093.695576433	3079.452134230016	3004.804621905959	2967.0948606156905	2967.6071747168817	47.70956119366872	47.1969070367762
385	395	291945	-117301.1413	1052437.3170250766	39.7646341711558	-101.217264	310089.9186073438	4043094.0186073438	3078.493812089525	3003.9218077584485	2963.8478143289013	2963.273309	48.0742934943318	47.6476846734984
386	395	291946	-116841.1413	1052437.3170250766	39.76464444205274	-101.214778	310290.9142224442	4043091.533	3077.535498654754	2999.0340427412046	2952.47177762347	2952.920670672033	46.5712069494985	46.122957070911525
387	395	291947	-116181.1413	1052437.3170250766	39.764652340831749	-101.2124338	310401.9096524655	4043097.452507818	3080.552261630375	2996.177912470773	2963.29157455389805	2963.553081385799	42.886337931792696	42.6248310849741
388	395	291948	-115521.1413	1052437.3170250766	39.7646604405166	-101.2100877	310692.90489761555	4043093.371962558	3080.552261630375	2993.340992492763	2965.556196702229	2965.6316173719345	37.7740054704746	37.49888187734177
389	395	291949	-114861.1413	1052437.3170250766	39.7646683106874	-101.2077416	310893.8999581017	4043099.29165988	3094.5360149442236	2990.5801101923533	2968.7094713397337	2968.603680297418	31.79863885296136	31.56150689493552
390	395	291950	-114201.1413	1052437.3170250766	39.7646761675522	-101.2053656	311084.984341252	4043091.21196804	3011.52789	2967.7168305142	2962.00118448207	2962.2802034537285	25.7100381306396	25.43616485141365
391	395	291951	-113541.1413	1052437.3170250766	39.76468405711558	-101.2030469	311296.289529863	4043091.317741953	3105.260015538373	2984.858502	2965.39008377337	2965.430388652653	19.56848922468923	19.415682738714723
392	395	291952	-112881.1413	1052437.3170250766	39.76469151214879	-101.2007304	311496.8840336205	4043097.052191755	3120.720351055744	2982.2382350559095	2968.656885202474	2967.794563010915	13.812854205562396	13.461285254871794
393	395	291953	-112221.1413	1052437.3170250766	39.76469594185787	-101.1983573	311697.8783570566	40430952.972849475	3131.184701467554	2979.556226950675	2971.766873954683	2972.297767343816	7.789388315	7.256485801029217
394	395	291954	-111561.1413	1052437.3170250766	39.7647072623975	-101.1960112	311888.8724977552	4043094.883747343	3141.649051429185	2976.911298071121	2975.003565194258	2976.06623663489	1.907732876863005	0.8450344076322835
395	395	291955	-110901.1413	1052437.3170250766	39.76471488529548	-101.1936652	312099.866455786	4043094.818853458	3145.658977721901	2974.2998120997295	2978.818427208254	2979.993384724536	0	0
396	395	291956	-110241.1413	1052437.3170250766	39.7647225902497	-101.1913191	312300.8602	4043094.736236502	3143.214480358689	2971.716400886859	2982.2142152243796	2984.158607806834	0	0
397	395	291957	-109581.1413	1052437.3170250766	39.76473000742828	-101.188973	312501.8538187658	4043096.657881776	3140.769982995476	2969.158463407719	2986.026719774527	2987.21237444481	0	0
398	395	291958	-108921.1413	1052437.3170250766	39.7647375105035	-101.186269	312702.847226432	4043092.5179740168	3138.325485632264	2966.625262474729	2982.5504801553903	2973.556930514473	0	0
399	395	291959	-108261.1413	1052437.3170250766	39.76474386825617	-101.1842809	312903.8404517177	4043092.501838667	3136.762831959488	2964.1145940267777	2979.690217941403	2970.901359732098	0	0
400	395	291960	-107601.1413	1052437.3170250766	39.7647533068076	-101.1819348	313104.8334944957	40430924.424177271	3133.082021971554	2961.6247568332915	2977.514140754909	2969.46547430398	0	0
401	395	291961	-106941.1413	1052437.3170250766	39.76475947777906	-101.1795887	313305.826350582	4043092.3647550675	3130.4012119948125	2959.153881	2975.778391044916	2968.739040795738	0	0
402	395	291962	-106281.1413	1052437.3170250766	39.76476076955108	-101.1772426	313506.8170336908	4043096.1269547749	3127.720400212474	2956.100001	2974.3212215114786	2968.387362737483	0	0
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405	395	291965	-104301.1413	1052437.3170250766	39.7647892289254	-101.170244	314199.7865789254	4043094.929	3114.97685899201	2947.92093924	2970.90386923487	2970.90386923487	0	0
406	395	291966	-103641.1413	1052437.3170250766	39.76479590337601	-101.1675853	314310.7873234048	4043095.93205557	3098.239160256342	2947.035917682275	2970.4572635137692	2969.051762245004	0	0
407	395	291967	-102981.1413	1052437.3170250766	39.76480298316394	-101.1655122	314511.7797041883	4043098.962968339	3094.413537088516	2944.65685634279	2970.339996372954	2969.168010283497	0	0
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411	395	291971	-100341.1413	1052437.3170250766	39.7648309231406	-101.1561279	315375.7448950295	4043091.7485768234	3091.05172865752749	2936.127865752749	2965.778565126894	2965.778565126894	0	0
412	395	291972	-99681.1413	1052437.3170250766	39.76483774324468	-101.1518718	315516.710954049	4043091.457005499	3081.442583405449	2933.054874189105	2943.845348365054	2944.631491177691	0	0
413	395	291973	-99021.1413	1052437.3170250766	39.76484461750443	-101.1514357	315717.726544505	4043097.436	3087.183234516884	2930.7821512406076	2937.0678193734882	2938.0690085252	0	0
414	395	291974	-98361.1413	1052437.3170250766	39.7648513953593	-101.1490896	315918.7170573425	4043096.362132734	3062.326256756624	2928.537983158602	2930.9917250640347	2932.341768780405	0	0
415	395	291975	-97701.1413	1052437.3170250766	39.76485812788896	-101.1467435	316119.7073889428	4043098.28062864	3051.486246	2926.3122012664234	2926.1531781523263	2925.41839430921	0.1600420140971437	0.8948260732222479
416	395	291976	-97041.1413	1052437.3170250766	39.76486481509484	-101.1443974	316320.6974135644	4043099.214	3039.37318369285	2920.47779540147	2920.905908678073	2920.127105560243	1.918198863397123	3.99062888512769
417	395	291977	-96381.1413	1052437.3170250766	39.76487416	-101.1426514	316521.88741496607	4043091.15033065	3027.2051264680696	2921.321740542624	2916.1254978661563	2916.259744954	6.5348395820986103	6.5348395820986103
418	395	291978	-95711.1413	1052437.3170250766	39.7648789232418	-101.1397635	316722.74089575	4043091.6713015	3015.147065768547	2919.755411925357	2911.819047180829	2910.917153	12.5470472869192	8.5332623046262
419	395	291979	-95051.1413	1052437.3170250766	39.7648848743348	-101.1373592	316923.8670234346	4043095.94	3004.91380344671	2917.6107032842102	2908.018758894044	2907.6107032842102	9.58179519160828	9.58179519160828
420	395	291980	-94401.1413	1052437.3170250766	39.76489111064001	-101.1350131	317124.6564453307	4043092.91355865	2998.0597374175556	2915.488426320245	2904.760388850266	2903.55139020311	10.73758743038222	11.7331533993392
421	395	291981	-93741.1413	1052437.3170250766	39.76489751720997	-101.132667	317325.6457246543	4043098.474834684	2990.705870831	2913.3465052482336	2901.9811545276589	2900.900717043333	12.41239591390071	12.41239591390071
422	395	291982	-93081.1413	1052437.3170250766	39.764903986453376	-101.1303209	317526.6348	4043094.7653243	2983.3520041452339	2911.3383012533675	2899.67449788521	2898.581638775187	11.66303267553555	12.75666375855846
423	395	291983	-92421.1413	1052437.3170250766	39.76491033637024	-101.1279478	317727.6337152977	4043090.7247012027	2979.4830791126996	2909.380978756296	2909.650541275665	2909.650541275665	12.6288240059670284	12.6288240059670284
424	395	291984	-91761.1413	1052437.3170250766	39.76491669056052	-101.125637	317928.613489677	4043096.32310625	2946.928736210625	2907.43228739573	2895.110205155897	2894.264609407854	12.322082520565056	13.1676778890504
425	395	291985	-91101.1413	1052437.3170250766	39.7649236022418	-101.123496	318169.78496909	4043091.49094	2945.12396912774	2906.19563271425	2895.19563271425	2895.19563271425	18.2534621640987	18.2534621640987
426	395	291986	-90441.1413	1052437.3170250766	39.764929141611276	-101.1209268	318330.5896315259	4043091.489227401	2945.2696244470034	2904.219249146633	2900.31164742383	2890.280249546511	13.90577172280526	14.010957400503034
427	395	291987	-89781.1413	1052437.3170250766	39.76493538277174	-101.1189505	318531.575755888	4043091.41805469	2945.45404843451	2903.05865501785	2897.249943187129	2897.318895	15.80052231466073	15.73690776154976
428	395	291988	-89121.1413	1052437.3170250766	39.76494126055544	-101.1162444	318732.5655770184	4043091.347103684	2937.6845013236784	2902.13356171042	2883.108231215751	2883.116183953085	19.052304955291176	19.0

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.f	BREIEvBothKrg.f	SatThg.f	SatThgBoth.f
500	29069	-3561.14133	1052437.3170250766	36.75628890138589	-100.9262609	350512.0277535927	4043081.3966350025	107811918085607	274.7517892030667	2849.2099651473213	2851.3034516219595	25.56522405634587	23.43471737581707657	
510	29070	-35001.14133	1052437.3170250766	36.75629107853702	-100.9263836	3525213.0019922317	4043081.354333363	3068.1062931392757	2874.651503774331	2847.3292239133578	2849.2120648088159	27.322279862506284	25.439439385512298	
511	29071	-34341.14133	1052437.3170250766	36.75629304899427	-100.9265117	354513.9787013712	4043473.2942714098	3065.006711971448	2874.64166185227	2845.63578193134	2847.1846698909036	29.0728837230432	27.358447277630144	
512	29072	-33621.14133	1052437.3170250766	36.75629574480748	-100.9191715	35614.93499912176	4043689.24343342	3062.899217692124	2874.659705563377	2843.8029141069043	2845.20963160063	30.6456564496342	29.2390973629471	
513	29073	-33221.14133	1052437.3170250766	36.75629802523336	-100.9168254	35815.92375197785	4043665.19286421	3060.716516	2874.3694858474527	2841.9930067928494	2843.449561667418	32.376452054603305	30.91897180034695	
514	29074	-33021.14133	1052437.3170250766	36.756300280451925	-100.9144793	36016.89735385764	4043611.142519641	3058.533768773474	2874.304084015459	2840.277487493813	2841.5943553231276	34.2269922164593	32.70660784182835	
515	29075	-31701.14133	1052437.3170250766	36.756302480283154	-100.9121332	36217.079076027	404357.09241393	3054.603595589362	2874.2388762886115	2838.730955178898	2839.699042883077	35.50297171971342	34.53483001553488	
516	29076	-31041.14133	1052437.3170250766	36.7563034578702	-100.9097871	36418.84408179973	4043453.04254762	3048.9259259392326	2874.21150354201	2837.222013531786	2837.6459316021451	36.27143433274968	36.27143433274968	
517	29077	-30381.14133	1052437.3170250766	36.756305043963567	-100.907441	36619.81470827543	404346.99280201	3043.246389329268	2873.280511971448	2836.230565981181	2847.0506852981136	37.6531877836181	37.6531877836181	
518	29078	-29721.14133	1052437.3170250766	36.75630690781272	-100.9050548	36820.7901768574	404344.943331734	3037.570787695246	2874.222558936877	2833.170129128056	2833.452301511384	37.9251255088205	36.9403254230125	
519	29079	-29061.14133	1052437.3170250766	36.75631086233458	-100.9027487	37021.762872663	404340.84382523	3030.76451139777	2867.235258066805	2830.928857606561	2831.23696420585	36.30657048001942	35.9985634159557	
520	29080	-28401.14133	1052437.3170250766	36.75631279952906	-100.9004026	37222.73560419374	404334.85472397	3024.843060567474	2864.02532948077	2828.46834847971	2828.6124550630802	35.5896003	35.412874417716466	
521	29081	-27741.14133	1052437.3170250766	36.75631472739618	-100.8980655	37423.70813568274	404330.32797	3014.9193101619717	2860.205268027074	2825.926453608273	2826.304166995143	34.78601022119311		
522	29082	-27081.14133	1052437.3170250766	36.75631660935915	-100.8957104	37624.6804739444	404328.74639371	3006.994236991009	2857.6275482546684	2823.202648303689	2823.292551490636	34.4234395097949	34.3350276403235	
523	29083	-26421.14133	1052437.3170250766	36.75631846	-100.8933643	37825.652651802	404324.70176455	3000.1305150413023	2854.488661237052	2820.1127514868348	2820.43744949638	34.33599738257214	34.0176240898916	
524	29084	-25761.14133	1052437.3170250766	36.7563200239033	-100.8910182	38026.62497659675	404320.652222593	2994.328136260671	2851.284589907487	2817.052154038125	2817.041967336595	34.23243294543626	34.242619541153714	
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527	29087	-23781.14133	1052437.3170250766	36.75632534272408	-100.8839798	38629.53861142023	404308.5095234	2976.5120274035485	2841.88486892354	2805.131496027405	2805.52196604911	36.75339008613255	36.3629032516263	
528	29088	-23121.14133	1052437.3170250766	36.75632695329958	-100.8816337	38830.51112120687	404304.46729649	2968.7281383035487	2838.7821383035487	2800.363654526374	2800.914715099925	36.18731848031466	37.467428435763	
529	29089	-22461.14133	1052437.3170250766	36.75632851854769	-100.8792876	39001.4824656687	404300.41630878	2957.17319597489	2835.692795949189	2795.762170381844	2795.96695902359	39.93058971744406	39.725763746883786	
530	29090	-21801.14133	1052437.3170250766	36.75633000	-100.8769415	39202.455444671	404336.37	2956.651054487787	2832.6161915405824	2790.885258540592	2790.801046861724	41.7306533957174	41.81430707690995	
531	29091	-21141.14133	1052437.3170250766	36.7563316717884	-100.8744058	39409.246023949	404339.743	2952.63823238309	2831.675304677783	2787.975304677783	2787.975304677783	42.0213097171786	42.0213097171786	
532	29092	-20481.14133	1052437.3170250766	36.7563324232766	-100.8722492	39604.39525422757	404338.27196556	2949.64733299517	2826.50028582122	2784.05746783475	2783.6829674027	42.02021768604714	42.6165624462974	
533	29093	-19821.14133	1052437.3170250766	36.7563342626618	-100.8699031	39836.365765599	404334.23193779	2947.18579288636	2821.64384010169	2784.25873278341	2784.220330172386	42.02021768604714	42.6165624462974	
534	29094	-19161.14133	1052437.3170250766	36.7563356	-100.867557	40036.33634417	404330.186	2944.7237247545424	2820.43175263787	2785.42849455913	2785.655633550618	30.068600787439	34.77835713168974	
535	29095	-18501.14133	1052437.3170250766	36.7563369816102	-100.8652109	40237.3066571652	404337.614055118	2941.711695368358	2786.440519229003	2786.961322668	2786.961322668	30.068600787439	34.77835713168974	
536	29096	-17841.14133	1052437.3170250766	36.75633820611732	-100.862847	40438.2768158483	404337.095419124	2936.209204677957	2814.421004323577	2787.286076311674	2787.9208780592824	27.134924120683536	26.50012273492954	
537	29097	-17181.14133	1052437.3170250766	36.756339584974625	-100.8605186	40639.246023949	404339.05572255	2934.6982546939819	2812.6161915405824	2786.975304677783	2786.975304677783	27.134924120683536	26.50012273492954	
538	29098	-16521.14133	1052437.3170250766	36.756340566074772	-100.8581725	40840.21676710105	404334.05094221	2933.16450	2784.651054487787	2784.651054487787	2784.651054487787	27.134924120683536	26.50012273492954	
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543	29103	-13221.14133	1052437.3170250766	36.75634567	-100.8464419	41845.063223537	404334.76507375	2982.91601220712	2793.782703	2792.779316306133	2792.741910762085	1.003361945976834	1.04071913038249696	
544	29104	-12561.14133	1052437.3170250766	36.75634657378984	-100.844058	42046.3294566717884	404339.743	2984.945415329305	2796.69244238532	2791.924584407585	2792.463172033895	4.67839747746672	4.229772204632826	
545	29105	-11901.14133	1052437.3170250766	36.75634739798082	-100.8417497	42247.04132445658	404336.790393485	2986.998345157884	2792.0777567349	2792.8626	2792.8626	2792.8626	2792.8626	
546	29106	-11241.14133	1052437.3170250766	36.75634819267294	-100.8394036	42447.97005094585	404331.658	2989.38945132207	2784.13735579906	2792.1750635741687	2791.9892846978613			
547	29107	-10581.14133	1052437.3170250766	36.75634984022759	-100.8370574	42648.938535683	404327.61520419	2982.07837	2782.2817476180894	2791.115228174175	2791.115228174175			
548	29108	-9921.14133	1052437.3170250766	36.75634964054844	-100.8347113	42849.908	404327.570321275	2945.06690347233	2779.44417	2789.8826584184053	2789.78747167480236			
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553	29113	-6621.14133	1052437.3170250766	36.7563524862795	-100.822807	43854.74619861314	404333.36507624	2935.154701871744	2785.49680239871	2783.345409574206	2783.61199432622			
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555	29115	-5301.14133	1052437.3170250766	36.75635300377326	-100.8182885	44256.68078970663	404335.284	2969.46692754502	2780.028674	2783.498813265941	2783.8821638343			
556	29116	-4641.14133	1052437.3170250766	3										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatHtKgrg.ft	SatHtBoth.ft
635	29219	47498.8586730335	105.24373170250766	39.765237383076524	-0.00359992	36033.5931858311	402972.8132469055	2769.3388641063575	2592.000234947245	2592.0857653413677	2591.9237491068875	2591.9237491068875	2591.9237491068875	2591.9237491068875
636	29219	48158.8586730335	105.24373170250766	39.76523406294446	-0.0028251	36034.5489513708	402968.729011593	2771.2393235679552	2592.181927167499	2591.040635000107	2590.303717017589	2591.040635000107	2590.303717017589	2591.040635000107
637	29219	48718.8586730335	105.24373170250766	39.765230768185194	-0.0025607	36035.5046394095	402964.771014291	2781.140163067264	2590.338924644415	2589.264987437799	2588.432431128833	2589.264987437799	2588.432431128833	2589.264987437799
638	29219	49138.8586730335	105.24373170250766	39.76522739274871	-0.0023609	36036.4600211334	402960.750250338	2775.004459525552	2588.4066930373227	2588.468071930371	2587.626350389957	2588.468071930371	2587.626350389957	2588.468071930371
639	29219	50138.8586730335	105.24373170250766	39.765223971985066	-0.00212147	36113.4157447151	402956.727393826	2740.044599738216	2586.8260071826305	2585.380154	2584.075429339092	2585.380154	2584.075429339092	2585.380154
640	29220	50798.8586730335	105.24373170250766	39.76522050589423	-0.00188686	36133.380604158	402946.70945043	2765.231553538816	2585.256154682075	2583.289051992539	2582.979503307165	2583.289051992539	2582.979503307165	2583.289051992539
641	29220	51458.8586730335	105.24373170250766	39.76521699447619	-0.00165225	36159.3257804203	402948.689405478	2758.057107294336	2583.67310826305	2581.154341939414	2580.861381286305	2581.154341939414	2580.861381286305	2581.154341939414
642	29221	52118.8586730335	105.24373170250766	39.7652134	-0.00141764	36170.2847943436	402946.896958327	2750.844661049936	2582.6736998654129	2579.344893070464	2578.390868241328	2579.344893070464	2578.390868241328	2579.344893070464
643	29221	52778.8586730335	105.24373170250766	39.76520955588624	-0.00118943	36184.23565116584	402940.850291173	2738.22133	2580.576932654304	2578.6146723589915	2576.8746723589915	2578.6146723589915	2576.8746723589915	2578.6146723589915
644	29221	53438.8586730335	105.24373170250766	39.7652016	-0.0009482	36212.149206219	402936.6163098242	2729.134546246746	2579.134546246746	2577.17791086412	2575.357191459471	2577.17791086412	2575.357191459471	2577.17791086412
645	29225	54098.8586730335	105.24373170250766	39.765202485532435	-0.0007381	36234.14485760115	402932.611604855	2706.914573800333	2577.766007787329	2577.97859913738	2572.160393533176	2577.97859913738	2572.160393533176	2577.97859913738
646	29226	54758.8586730335	105.24373170250766	39.7651987547861	-0.0004792	36254.0992972172	402928.592749569	2690.762545726006	2576.4729406411894	2569.341474935313	2569.5421835387763	2569.341474935313	2569.5421835387763	2569.341474935313
647	29227	55418.8586730335	105.24373170250766	39.76519497409765	-0.0002459	36275.0536053975	402924.574	2675.234769522749	2575.29054257249	2566.440541898018	2566.64273932816	2566.440541898018	2566.64273932816	2566.440541898018
648	29228	56078.8586730335	105.24373170250766	39.7651911533893	-0.0000998	36296.062727823	402920.55537519	2660.32119387946	2574.129547781781	2563.0423273470567	2563.0423273470567	2563.0423273470567	2563.0423273470567	2563.0423273470567
649	29229	56738.8586730335	105.24373170250766	39.7651877135431	-0.00997537	36318.9618281347	402916.337118375	2648.249717973555	2573.0887614070753	2560.36939506071	2560.2824383787763	2560.36939506071	2560.2824383787763	2560.36939506071
650	29230	57398.8586730335	105.24373170250766	39.76518335199197	-0.0054075	36337.9147315096	402912.15180456	2630.526832607145	2572.142391021135	2558.04473301165	2555.80048633252	2558.04473301165	2555.80048633252	2558.04473301165
651	29231	58058.8586730335	105.24373170250766	39.76517938730253	-0.0030614	36358.8696273525	402908.50420305	2620.736737695147	2571.29924221678	2551.4620217209235	2551.12614	2551.4620217209235	2551.12614	2551.4620217209235
652	29232	58718.8586730335	105.24373170250766	39.7651757728598	-0.00507153	36379.84318148564	402904.48641516	2615.24027128606	2570.580128706884	2549.057961915634	2548.828951237157	2549.057961915634	2548.828951237157	2549.057961915634
653	29233	59378.8586730335	105.24373170250766	39.7651731291423	-0.0083892	36390.7760251557	402898.46425858	2610.016725016892	2570.044892387446	2548.254085815252	2548.100796349205	2548.254085815252	2548.100796349205	2548.254085815252
654	29234	60038.8586730335	105.24373170250766	39.76517221271604	-0.00860231	36415.17300989287	402896.45047143	2604.793279	2569.85851580146	2550.211320385217	2550.044739497657	2550.211320385217	2550.044739497657	2550.211320385217
655	29235	60698.8586730335	105.24373170250766	39.76516307527381	-0.0058367	36432.8638263264	402892.437603245	2607.6078927322	2570.215933905425	2551.672809695425	2551.672809695425	2551.672809695425	2551.672809695425	2551.672809695425
656	29236	61338.8586730335	105.24373170250766	39.76515885934592	-0.0051309	36455.6364971321	402888.41728438	2618.645515722946	2570.369411959518	2554.33407068455	2554.022562369337	2554.33407068455	2554.022562369337	2554.33407068455
657	29237	62038.8586730335	105.24373170250766	39.76515447298905	-0.0044865	36478.5698430354	402884.0104631	2630.01211584207	2570.9712727248	2558.969182912057	2558.969182912057	2558.969182912057	2558.969182912057	2558.969182912057
658	29238	62678.8586730335	105.24373170250766	39.76515036531801	-0.0076637	36495.5427774727	402880.35046142	2640.68698092428	2572.9254271849675	2558.213370076123	2557.841033573081	2558.213370076123	2557.841033573081	2558.213370076123
659	29239	63388.8586730335	105.24373170250766	39.76514603801197	-0.005742926	36515.492124639	402876.362983809	2652.46582408856	2574.020151860205	2561.308033344728	2560.9505628261	2561.308033344728	2560.9505628261	2561.308033344728
660	29240	63998.8586730335	105.24373170250766	39.76514167	-0.005719465	365357.44774240727	402872.35379259	2665.21304224326	2575.15976148718	2565.714736	2565.1336605875	2565.1336605875	2565.1336605875	2565.1336605875
661	29241	64658.8586730335	105.24373170250766	39.765137247118814	-0.0056904	36558.00403217771	402868.33428764	2675.957582455264	2576.3501	2574.8149617202525	2575.274224289867	2574.8149617202525	2575.274224289867	2574.8149617202525
662	29242	65318.8586730335	105.24373170250766	39.76513284131694	-0.0056254	36579.3529277915	402864.3243872	2690.7020124187473	2577.53881788018	2577.0028188196306	2576.33372311858	2577.0028188196306	2576.33372311858	2577.0028188196306
663	29243	65978.8586730335	105.24373170250766	39.76512871691757	-0.0056184	36599.3046	402862.311584207	2693.707117092146	2578.766117092146	2580.963861685354	2580.963861685354	2580.963861685354	2580.963861685354	2580.963861685354
664	29244	66738.8586730335	105.24373170250766	39.7651237157645	-0.0056254	36621.2375050725	402858.23403977	2698.971254035784	2580.971254035784	2582.9644051622247	2582.9644051622247	2582.9644051622247	2582.9644051622247	2582.9644051622247
665	29245	67298.8586730335	105.24373170250766	39.76511922308334	-0.0056216	36632.280907645	402852.27904332	2680.239656579553	2581.273908878333	2584.664784574722	2584.282653921234	2581.273908878333	2584.282653921234	2581.273908878333
666	29246	67958.8586730335	105.24373170250766	39.7651147771334	-0.00557869	36653.1607572373	402848.26506705	2673.504973171	2582.5471554786795	2586.55837910393	2587.148577450641	2586.55837910393	2587.148577450641	2586.55837910393
667	29247	68618.8586730335	105.24373170250766	39.7651097779115	-0.00555238	36674.1124974482	402844.25174693	2679.1184097647	2583.828263628944	2588.397156	2588.82268169546	2588.397156	2588.82268169546	2588.397156
668	29248	69278.8586730335	105.24373170250766	39.765105052542076	-0.00551777	36695.061	402840.238124943	2697.0784595681	2585.114794343363	2590.220751041067	2590.6464781784	2590.220751041067	2590.6464781784	2590.220751041067
669	29249	69938.8586730335	105.24373170250766	39.76510027195609	-0.00508316	36716.0155242224	402836.224740696	2715.0402881471	2586.404602874887	2592.01344388867	2592.322403303996	2592.01344388867	2592.322403303996	2592.01344388867
670	29250	70598.8586730335	105.24373170250766	39.7650954406314	-0.0048485	36739.66943036	402832.211584207	2730.01211584207	2587.96119212057	2594.9712727248	2594.9712727248	2594.9712727248	2594.9712727248	2594.9712727248
671	29251	71258.8586730335	105.24373170250766	39.76509057483326	-0.00461933	36767.9180989277	402828.19886467	2738.258193878788	2588.981367059129	2595.542089478334	2595.94541832005	2588.981367059129	2595.94541832005	2588.981367059129
672	29252	71918.8586730335	105.24373170250766	39.7650856827645	-0.00437932	36778.8692	402824.18601468	2730.01211584207	2590.280844339287	2597.72527897575	2598.23350025588	2597.72527897575	2598.23350025588	2597.72527897575
673	29253	72578.8586730335	105.24373170250766	39.7650806936025	-0.00414471	36799.802503948	402820.17359205	2722.86418689397	2591.573005260329	2599.843259452348	2600.47360314791	2599.843259452348	2600.47360314791	2599.843259452348
674	29254	73238.8586730335	105.24373170250766	39.7650768917956	-0.0039101	36817.071087062	402816.16138356	2715.2171825951245	2592.8626913273724	2601.6021788061544	2602.36776414731	2601.6021788061544	2602.36776414731	2601.6021788061544
675	29255	73898.8586730335	105.24373170250766	39.76507604	-0.00367459	36837.71708704277	402812.14948282	2709.031498421958	2594.741869976307	2603.134726939277	2603.134726939277	2603.134726939277	2603.134726939277	2603.134726939277
676	29256	74558.8586730335	105.24373170250766	39.7650653877755	-0.0034408	36857.672385421	402808.13770593	2709.870977339676	2596.423502686039	2604.73334				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtEvgLog.ft	SatHtBoth.ft
19	29	29321	-357471.1413	105.30973170250766	39.760509439794326	-102.0710698	236917.72865389212	4045688.483907107	3759.6291355159196	331.3997384812067	3484.530042910113	3484.1144570835727	46.86974057109364	47.2853263976398
22	39	29322	-357081.1413	105.30973170250766	39.760533943436094	-102.0684224	2371.184059596134	4045684.314671981	3757.513596161599	3529.605571712516	3483.055197112148	3482.7085404272645	46.9538930000773	46.9471172839871
23	39	29323	-356421.1413	105.30973170250766	39.76055846381175	-102.0663783	2373.919812786272	4045680.145800933	3754.356770717469	3527.9041783484763	3481.665713394506	3481.389891122466	46.2394183252271	45.1450043219415
24	39	29324	-355761.1413	105.30973170250766	39.76060375746864	-102.0642328	2376.9502197183328	4045575.976931316	3750.158777555855	3567.1070908305166	3487.125617336106	3480.11036766376	45.78945291014996	46.05042031743826
25	39	29325	-355011.1413	105.30973170250766	39.760603764616125	-102.0618688	2377.7220385962067	4045671.808425761	3745.96078493679	3524.40038344863	3479.1254792839827	3478.9815653432236	45.2945545608044	45.438478501639565
26	39	29326	-354411.1413	105.30973170250766	39.76063170946953	-102.0593411	2379.0310820695621	4045667.640163285	3741.7627923176633	3522.682680768115	3479.2119245725053	3478.988662	45.24345571086457	43.6940187391066
27	39	29327	-353781.1413	105.30973170250766	39.760656027456996	-102.0569953	2381.24.1834032878	4045663.474411217	3736.9630823120806	3520.960287194975	3478.126513635376	3478.126513635376	45.24345571086457	42.983916302922325
28	39	29328	-353121.1413	105.30973170250766	39.76068030128534	-102.0546496	2382.5525864005	4045659.340813626	3731.56125223639	3519.222769448313	3477.096438434362	3476.9877891350527	42.12813460451719	42.23498013215749
29	39	29329	-352461.1413	105.30973170250766	39.76070457468405	-102.0523638	2383.626320105222	4045653.198833233	3728.160007033582	3517.4998969044287	3476.0767077	3476.0711511880565	41.42379181985685	41.48835708368423
30	39	29330	-351801.1413	105.30973170250766	39.7607287052531	-102.0495951	2387.727407258793	4045650.969545488	3720.7594914437684	3515.781278909553	3475.003052855853	3474.979888903070	40.7781895410224	40.819028225506
31	39	29331	-351141.1413	105.30973170250766	39.76074646582586	-102.0476123	2389.62814825156	4045646.802496813	3715.532220240414	3514.0666241669683	3473.3994292272777	3473.7961258520926	40.64719488609616	40.27047115487658
32	39	29332	-350481.1413	105.30973170250766	39.76077693766603	-102.0452626	2391.29.555308071	4045642.635693413	3710.4812833767745	3512.3554442856957	3472.538005193028	3472.85272553756	39.57177663299	39.50275173193959
33	39	29333	-349821.1413	105.30973170250766	39.760780098375702	-102.0429208	2393.6032882101993	4045638.4894132997	3705.430763526587	3510.647390854986	3471.3849125363176	3471.6537438306265	39.26247831818091	38.9719218436006
34	39	29334	-349161.1413	105.30973170250766	39.76082496453175	-102.040575	2395.31.70225321042	4045634.30281579	3700.3793439965134	3508.94392456689	3470.459849256689	3470.459849256689	38.4835207802878	38.266424806426546
35	39	29335	-348501.1413	105.30973170250766	39.76084894	-102.0382292	2397.3275	4045630.17614854	3698.231296913931	3507.242323339343	3469.7513463103296	3469.74169436092	37.9198602931433	37.29589739561685
36	39	29336	-347841.1413	105.30973170250766	39.76087281	-102.0358383	2399.6334814450543	4045625.09109643	3689.98158229048	3505.5449157439925	3469.544614399927	3469.854248993325	37.68907174473568	35.698667590606
37	39	29337	-347181.1413	105.30973170250766	39.76088671458044	-102.0335377	2401.34.9270402296	4045621.80523734	3684.741015841657	3503.848027373727	3470.0103818146995	3470.4577052041567	37.645455902417	37.33943216866493
38	39	29338	-346521.1413	105.30973170250766	39.76092053446732	-102.0311919	2403.35.9930639523	4045617.839797007	3502.150092452277	3469.876099168013	3470.4811695391987	3470.4811695391987	37.239377721441	37.166892405658006
39	39	29339	-345861.1413	105.30973170250766	39.76094430866015	-102.0288461	2405.37.05505183066	4045613.4175	3676.03830259987	3500.494252819964	3469.50427282569	3469.93372729727	30.946952459427393	30.45611880023612
40	39	29340	-345201.1413	105.30973170250766	39.7609603753645	-102.0265004	2407.38.13684053495	4045610.301710575	3674.36824794134	3498.744812635271	3468.3006057026548	3468.896637	29.84481753730107	
41	39	29341	-344541.1413	105.30973170250766	39.760991721096175	-102.0241546	2409.93.2802771409	4045605.1401912	3672.69586269934	3507.030694414597	3466.762225	3466.7454589	30.272445328955	29.58047288939564
42	39	29342	-343881.1413	105.30973170250766	39.7610153593928	-102.0218088	2411.10.27964857614	4045600.381293718	3671.026587306244	3495.3167	3465.046495641181	3466.000548727394	30.2727078040893	29.3178196229891
43	39	29343	-343221.1413	105.30973170250766	39.7610352256787	-102.0195878	2413.14.158472725	4045596.817	3669.42780692093	3493.140519140238	3464.284524528144	3463.45245898122	30.2727078040893	29.3178196229891
44	39	29344	-342561.1413	105.30973170250766	39.7610624989574	-102.0171173	2415.42.1432172176	4045592.653013467	3671.480119190636	3491.65082828332	3461.220761940534	3462.54543959584	30.63521233936505	29.51203293437642
45	39	29345	-341901.1413	105.30973170250766	39.7610820016846	-102.0147175	2417.43.4914032134	4045588.489370783	3672.337780791383	3490.18073466968	3459.1659487313923	3460.563523174747	30.4827893557557	29.0429592220714
46	39	29346	-341241.1413	105.30973170250766	39.76110945914468	-102.0124257	2419.44.5621929778	4045584.326691734	3673.195401591247	3488.350915591247	3457.004715602251	3457.004715602251	30.4827893557557	29.0429592220714
47	39	29347	-340581.1413	105.30973170250766	39.761132870804026	-102.0100799	2421.45.63219035327	4045581.162812384	3673.7488439153112	3486.85834278982	3454.7198062929054	3454.7198062929054	30.4827893557557	29.0429592220714
48	39	29348	-339921.1413	105.30973170250766	39.76115623714057	-102.0077341	2423.46.191332468	4045575.99989067	3673.97985362733	3484.807605548752	3452.296331433402	3452.296331433402	30.4827893557557	29.0429592220714
49	39	29349	-339261.1413	105.30973170250766	39.76117958	-102.0053835	2425.47.710707032	4045571.83726762	3674.24718276762	3483.728421837493	3449.728421837493	3449.728421837493	30.4827893557557	29.0429592220714
50	39	29350	-338601.1413	105.30973170250766	39.76120052826575	-102.0030421	2427.48.040433393	4045567.47789464	3674.492642539144	3482.74542539144	3447.706449119922	3447.706449119922	30.4827893557557	29.0429592220714
51	39	29351	-337941.1413	105.30973170250766	39.76122606427207	-102.0006967	2429.49.9063113733	4045563.512613159	3675.932390741414	3479.450088641115	3444.24818382837	3445.356354258456	30.2042048127466	30.49425437665142
52	39	29352	-337281.1413	105.30973170250766	39.761249236357	-101.9983509	2431.50.978351896	4045559.35070845	3676.55501261651	3477.637475606835	3441.353120730332	3442.402316869013	30.2042048127466	30.49425437665142
53	39	29353	-336621.1413	105.30973170250766	39.7612739810385	-101.9960052	2433.52.046251973	4045555.18871513	3681.178609445997	3475.8811672711157	3437.4471656	3437.4471656	30.2042048127466	30.49425437665142
54	39	29354	-335961.1413	105.30973170250766	39.7612954344046	-101.9936594	2435.53.1150413626	4045551.02751518	3683.80171763548	3474.10590685674	3435.6198105412586	3435.6198105412586	30.2042048127466	30.49425437665142
55	39	29355	-335301.1413	105.30973170250766	39.7613185256702	-101.9913136	2437.54.183030977	4045546.86630719	3684.72748212993	3473.14116610884	3432.783435552143	3433.7768709822	30.2042048127466	30.49425437665142
56	39	29356	-334641.1413	105.30973170250766	39.7613415847275	-101.989167	2439.55.201730274	4045542.70531341	3685.941949428	3472.140519140238	3430.140519140238	3430.140519140238	30.2042048127466	30.49425437665142
57	39	29357	-333981.1413	105.30973170250766	39.76136454961164	-101.986922	2441.56.1381689226	4045538.454093686	3683.160591490777	3468.8543922313643	3429.231921811473	3429.231921811473	30.2042048127466	30.49425437665142
58	39	29358	-333321.1413	105.30973170250766	39.76138740813223	-101.9847762	2443.57.3853718094	4045534.34119336	3682.379607155614	3467.137332	3425.911816788485	3426.33244248654	30.2042048127466	30.49425437665142
59	39	29359	-332661.1413	105.30973170250766	39.7614102759896	-101.9819303	2445.58.2582318904	4045530.223877487	3680.62054830998	3465.40458403998	3424.54172643694	3424.833139603086	30.2042048127466	30.49425437665142
60	39	29360	-332001.1413	105.30973170250766	39.76143088822225	-101.9795845	2447.59.510918788	4045527.63870908	3677.896948319753	3463.762585756493	3423.5236525190276	3423.5236525190276	30.2042048127466	30.49425437665142
61	39	29361	-331341.1413	105.30973170250766	39.76145587574104	-101.9772877	2449.60.588464741	4045521.904123357	3675.168851847033	3462.717905409577	3422.696404313398	3422.696404313398	30.2042048127466	30.49425437665142
62	39	29362	-330681.1413	105.30973170250766	39.7614786274402	-101.9750823	2451.61.6517	4045517.744810357	3674.9072532281	3460.4970523281	3421.96073811063	3421.96073811063	30.2042048127466	30.49425437665142
63	39	29363	-330021.1413	105.30973170250766	39.76150178248185	-101.9728213	2453.62.7838748167	4045513.7038748167	3674.04263490454	3459.1659487313923	3420.7834268167	3420.7834268167	30.2042048127466	30.49425437665142
64	39	29364	-329361.1413	105.30973170250766	39.7615239442185	-101.9702013	2455.63.7838748167	4045509.426	3665.3371874182507	3458.29822828167	3420.150802916704	3420.150802916704	30.2042048127466	30.49425437665142
65	39	29365	-328701.1413											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.f	W.Lt.	BRLEvLogKrg.f	BRLEvBothKrg.f	SatHLogKrg.f	SatHBothKrg.f
147	ix	292447	-274581.1413	105.30973170250766	39.763245179262164	-101.7754941	22251.3784253524	4045165.073104422	3404.0659061007373	3328.6967892027323	3297.931291429347	30.6088534390605	30.7654975920543	
148	ix	292448	-273921.1413	105.30973170250766	39.763250473701075	-101.7731482	262452.4237034657	4051160.3944507	3396.502464263034	3329.561454509414	3301.5428154509414	3301.5327137691074	28.029191421236404	
149	ix	292449	-273261.1413	105.30973170250766	39.763263202818985	-101.770823	262653.4687473295	4051160.3944507	3393.9390067518716	3330.248012740012	3303.248012740012	3303.248012740012	28.04998168883212	
150	ix	292450	-272601.1413	105.30973170250766	39.763301546615786	-101.7684564	262854.5135572801	4051160.3944507	3381.707540573317	3330.5904641660094	3304.7952547177804	35.80869216077782	25.795188742629066	
151	ix	292451	-271941.1413	105.30973170250766	39.763320450915335	-101.7661104	263055.58513339114	4051160.3944507	3381.3864574743502	3330.797896723157	3306.6392729762517	3306.6392729762517	23.948378679679214	
152	ix	292452	-271281.1413	105.30973170250766	39.76333889246104	-101.7637465	263256.60247591394	4051160.3944507	3374.9717087500527	3330.8462465403701	3310.1913527204456	3310.8462465403701	20.199998188473988	
153	ix	292453	-270621.1413	105.30973170250766	39.76335750607952	-101.7614186	263457.6465850548	4051160.3944507	3368.556959756621	3330.769789194467	3314.933737944154	3315.8638766860285	15.9035357529275	
154	ix	292454	-269961.1413	105.30973170250766	39.76337068591973	-101.7590726	263658.6904610216	4051160.3944507	3362.1422107634534	3330.594036	3315.330105	3316.3867335693388	15.26393167	
155	ix	292455	-269301.1413	105.30973170250766	39.763384958018268	-101.7567267	263859.7341040182	4051160.3944507	3351.289324587898	3330.429234587898	3312.71054536243	3306.601168807158	20.01571799992697	
156	ix	292456	-268641.1413	105.30973170250766	39.76341305765235	-101.7543908	264060.7751425584	4051160.3944507	3345.9653004720193	3330.031597	3297.9625934272723	3297.9625934272723	22.34042565907604	
157	ix	292457	-267981.1413	105.30973170250766	39.76343148420071	-101.7520348	264261.82069193585	4051160.3944507	3330.7072762340393	3329.670863186866	3291.707904114188	3291.707904114188	36.52208975	
158	ix	292458	-267321.1413	105.30973170250766	39.7634498542769	-101.7496889	264462.8636	4051160.3944507	3325.61561285227	3329.26680397659	3291.03510717936	3291.03510717936	48.47633649971016	
159	ix	292459	-266661.1413	105.30973170250766	39.7634682	-101.747343	264663.903505475	405115.425	3383.105146020878	3328.82373630604	3289.97072703126	3289.97072703126	38.9363871497054	
160	ix	292460	-266001.1413	105.30973170250766	39.763486419192567	-101.744997	264864.948316485	405117.289554895	3333.77396126345	3328.36513246773	3288.156480485303	3288.156480485303	40.19002519824289	
161	ix	292461	-265341.1413	105.30973170250766	39.763504737105622	-101.7426511	265065.998111734	4051107.150545475	3340.442766124236	3327.838950474944	3286.1538214071034	3286.1538214071034	41.67449897	
162	ix	292462	-264681.1413	105.30973170250766	39.76352339713045	-101.7403051	265257.033199747	4051103.01879787	3415.111576284996	3327.302780410891	3284.451860373494	3284.451860373494	42.85470090470363	
163	ix	292463	-264021.1413	105.30973170250766	39.76354109175912	-101.7379992	265468.07488582	4050908.8371235	3426.168725591216	3326.7432256188767	3283.237455	3283.237455	43.5239062063979	
164	ix	292464	-263361.1413	105.30973170250766	39.7635592104823	-101.7356133	265669.11654144037	405094.749007366	3427.614214005577	3326.1686617195105	3282.553495806167	3282.617913	43.60517691334339	
165	ix	292465	-262701.1413	105.30973170250766	39.7635727	-101.7332673	265870.157661153	405084.61475648	3440.059702589633	3325.581752450372	3282.1962900381227	3282.1962900381227	43.29721510305766	
166	ix	292466	-262041.1413	105.30973170250766	39.76359253679654	-101.7309214	266071.1986009366	405086.481860815	3458.01591089314	3324.818162700534	3281.6417434570963	3281.6417434570963	43.12754104304678	
167	ix	292467	-261381.1413	105.30973170250766	39.763613250710724	-101.7287554	266272.23982352	405082.364138652	3468.92750772303	3324.37107947956	3280.721114629492	3280.721114629492	43.69964564833359	
168	ix	292468	-260721.1413	105.30973170250766	39.763631185024195	-101.7262295	266473.2804567893	405078.212333453	3474.3266549297303	3323.748519550135	3279.5814659712806	3279.5814659712806	44.2872126281674	
169	ix	292469	-260061.1413	105.30973170250766	39.7636471833671	-101.723863	266674.3256891764	405074.740347832	3488.647134430852	3322.723861385692	3277.337355278094	3277.337355278094	45.1924918033378	
170	ix	292470	-259401.1413	105.30973170250766	39.76366950581905	-101.7215376	266875.36103317076	405069.54493131	3485.124942024072	3322.46172891091	3276.2596195258534	3276.2596195258534	45.9967319100714	
171	ix	292471	-258741.1413	105.30973170250766	39.763684897128035	-101.7191916	267076.4009777225	405071.821370183	3487.04860621889	3321.789965561409	3274.954515071542	3274.954515071542	46.55167824740053	
172	ix	292472	-258081.1413	105.30973170250766	39.7637024385235	-101.7168457	267277.440890124	405061.87953342	3485.4214315785577	3321.0924448952896	3274.94483974682	3274.94483974682	47.14756092	
173	ix	292473	-257421.1413	105.30973170250766	39.76372104525475	-101.7144997	267478.4801758012	405057.564838981	3483.8222355628	3320.3640693074985	3271.7141630019883	3272.06901439969	48.0596035510285	
174	ix	292474	-256761.1413	105.30973170250766	39.763737801335246	-101.7121358	267679.5914	405053.414585928	3482.2213111327347	3319.601704675146	3266.624317396584	3266.624317396584	53.0373210371727	
175	ix	292475	-256101.1413	105.30973170250766	39.763753454128376	-101.7098078	267880.588656374	405049.826585374	3481.8048252788723	3318.4513321470683	3264.16328524557293	3264.16328524557293	54.6389641835915	
176	ix	292476	-255441.1413	105.30973170250766	39.76377129370178	-101.7074618	268081.5957257033	405045.150604832	3482.5992142056029	3317.723861385692	3264.174301420515	3264.174301420515	55.6651808220714	
177	ix	292477	-254781.1413	105.30973170250766	39.7637904764488	-101.7051159	268282.635268398	405040.018980382	3483.384786652538	3317.711700985437	3265.700552042683	3265.700552042683	56.408957186658	
178	ix	292478	-254121.1413	105.30973170250766	39.7638079742337	-101.7027699	268483.6741687816	405038.887599991	3484.170732582027	3316.235397968838	3267.565698396723	3267.565698396723	57.48193819137945	
179	ix	292479	-253461.1413	105.30973170250766	39.763825041907766	-101.700424	268684.712284433	405032.75645366	3486.57512866379	3315.3327331329847	3269.570641243446	3269.570641243446	58.4762091885640078	
180	ix	292480	-252801.1413	105.30973170250766	39.7638427605604	-101.698078	268885.7501683604	405028.6593523425	3490.591899027381	3314.413177834814	3271.456769385156	3271.456769385156	59.44940485625824	
181	ix	292481	-252141.1413	105.30973170250766	39.763860124882919	-101.695732	269086.78265856	405024.44989057	3494.6221511858333	3313.479427255707	3273.172519975522	3273.172519975522	60.3422256531871	
182	ix	292482	-251481.1413	105.30973170250766	39.76387741833671	-101.693381	269287.8262571654	405020.47847832	3498.647134430852	3312.53302708917	3272.309155570714	3272.309155570714	61.2247145110712	
183	ix	292483	-250821.1413	105.30973170250766	39.763894565657683	-101.6910041	269488.8624613627	405016.23404065	3501.9587142321	3311.578154301062	3271.8706782429715	3271.8706782429715	62.00931795809507	
184	ix	292484	-250161.1413	105.30973170250766	39.763911869427304	-101.6886941	269689.894381294	405012.104372392	3504.558405	3310.613551971743	3269.61899614122	3269.61899614122	62.7015258305249	
185	ix	292485	-249501.1413	105.30973170250766	39.76392902696446	-101.6863482	269890.38618128	405007.974828179	3507.15783497559	3309.634827093421	3267.166158024321	3266.610468502045	63.402586801867059	
186	ix	292486	-248841.1413	105.30973170250766	39.76394613917933	-101.6840022	270091.9727115559	405005.845233965	3509.575727124629	3308.671561034803	3264.8874167910074	3264.8874167910074	64.39078820500484	
187	ix	292487	-248181.1413	105.30973170250766	39.763963206078184	-101.6816562	270293.090880281	404999.716027739	3510.3677340962575	3308.1437267210017	3263.739738198241	3263.739738198241	65.49219676415143	
188	ix	292488	-247521.1413	105.30973170250766	39.763978027641945	-101.6793103	270484.0547954774	404995.587603489	3508.980556411067	3306.72161120563	3262.454915012084	3262.454915012084	66.47908013343679	
189	ix	292489	-246861.1413	105.30973170250766	39.76399315906303	-101.6769426	270685.160824512	404991.4834121	3508.249615440984	3305.723861385692	3261.429615440984	3261.429615440984	67.46821768	
190	ix	292490	-246201.1413	105.30973170250766	39.76401143481485	-101.6747613	270886.1165437545	404987.329600941	3506.223479116974	3304.67706909022	3260.21930687498	3260.21930687498	68.4090633560831	
191	ix	292491	-245541.1413	105.30973170250766	39.76403102	-101.6727274	271097.151937485	404983.201622548	3505.727187777334	3303.786225967256	3264.645588444424	3264.645588444424	69.3403257358273186	
192	ix	292492	-244881.1413	105.30973170250766	39.76404786097815	-101.6699264	271298.1871053365	404979.07326104	3504.1019837327	3302.802222576587	3262.6337845872563	3262.6337845872563	70.48999751658708	
193	ix	292493	-244221.1413	105.30973170250766	39.7640646555549	-101.6675804	271499.220409276	404975.845871681	3506.47659973115	3301.814820356923	3259.977913152686	3259.977913152686	71.55552187896254	
194	ix	292494	-243561.1413	105.30973170250766	39.76408140529058	-101.6652344	271700.2567674386	404970.819359114	3506.85135861035	3300.840525267858				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKg.f	BRELEVBothKg.f	SatThvLog.f	SatThvBoth.f
273	296	292573	-191421.1413	1053097.3170250766	39.76526140447479	-101.4798991	28781.3066110716	4040485.508720306	3439.3588042453025	3199.7993663977036	3116.8327533178176	3116.135721649894	82.96661370988597	83.66364148771943
274	296	292574	-190761.1413	1053097.3170250766	39.76627452820503	-101.477953	287762.32400545274	4040461.4005784037	3435.6218553718006	3197.661304	3115.92551593537	3114.6474819494716	82.27778213009287	82.9686217590357
275	296	292575	-190011.1413	1053097.3170250766	39.7663769661035	-101.475669	28783.94119164993	4040457.2921698045	3432.465474911531887	3195.338152771265646	3115.98616519100486	3113.168506882948	81.53565198904048	82.93361982862974
276	296	292576	-189441.1413	1053097.3170250766	39.76530353690071	-101.4728609	288184.358	4040453.14089578	3429.848485537327	3193.484784246005	3116.644762417159	3116.644762417159	80.402200744129	81.8077009399125
277	296	292577	-188781.1413	1053097.3170250766	39.7631632744608	-101.4705148	288385.3740420977	4040429.0747346833	3427.30622159354645	3191.408584212509	3113.3684372340413	3110.398216418596	80.4061468746787	81.8453695939307
278	296	292578	-188121.1413	1053097.3170250766	39.7653265698745	-101.4681168	288586.3915031693	4040424.970219181	3424.7259533206426	3189.4504518791098	3110.0876375353326	3108.982701650814	79.3573812377619	80.454781761
279	296	292579	-187461.1413	1053097.3170250766	39.76533694668177	-101.4658227	288787.4078586785	4040416.3862242816	3423.0028055322215	3187.5801973892403	3108.795223625074	3107.435683	78.784970423293	80.1445145691041
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296	296	292596	-176241.1413	1053097.3170250766	39.76555178303248	-101.4259396	292204.5546700326	4040551.01854931	3397.495458938887	3161.467700415473	3084.154321862641	3076.613051593835	77.31372855281939	84.84539526
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatThkLog.s	SatThkBoth.ft
399	292699	-102621.1413		1053097.3170250766	39.766558053229886	-101.1842905	312907.9263811237	4044129.775357329	3142.7678006393603	2962.8597358113166	2979.8802836900118	2971.467425001993	0	0
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402	292702	-102621.1413		1053097.3170250766	39.766580155097564	-101.1772521	3135.010413659204	4044117.542536332	3132.245539790767	2955.47804204574	2975.356418283836	2968.850139190785	0	0
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404	292704	-104061.1413		1053097.3170250766	39.76659463033865	-101.1725598	3139.21884397137	4044109.388552531	3120.30918620137	2950.628819138607	2973.60537170679	2969.2953586337044	0	0
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433	292733	-85821.1413		1053097.3170250766	39.76678465342055	-101.1045295	3197.415802594943	4043981.263349498	2931.0937216808748	2896.548506589107	2897.3669207574503	2925.2664319728017	29.5814299066649	29.5814299066649
434	292734	-85161.1413		1053097.3170250766	39.766790546955	-101.1021754	3199.42569553046	4043987.193819545	2932.067193819545	2897.3669207574503	2925.2664319728017	29.5814299066649	29.5814299066649	29.5814299066649
435	292735	-84501.1413		1053097.3170250766	39.76679636104505	-101.0998292	3199.42569553046	4043981.263349498	2931.0937216808748	2896.548506589107	2897.3669207574503	2925.2664319728017	29.5814299066649	29.5814299066649
436	292736	-83841.1413		1053097.3170250766	39.76680213186525	-101.0974831	3200.5435963889	4043979.05185693	2933.783077238747	2897.973439102708	2897.073761563678	2900.96936514024	24.0998263456295	24.0998263456295
437	292737	-83181.1413		1053097.3170250766	39.76680786735759	-101.0951369	3202.5435963889	4043979.05185693	2933.783077238747	2897.973439102708	2897.073761563678	2900.96936514024	24.0998263456295	24.0998263456295
438	292738	-82521.1413		1053097.3170250766	39.76681356751964	-101.0927908	3204.5435963889	4043979.05185693	2933.783077238747	2897.973439102708	2897.073761563678	2900.96936514024	24.0998263456295	24.0998263456295
439	292739	-81861.1413		1053097.3170250766	39.76681920258434	-101.0904446	3206.479857287784	4043966.849036307	2935.977809303607	2898.05373810086	2895.285922	2875.235188137146	17.4820516625921	17.4820516625921
440	292740	-81201.1413		1053097.3170250766	39.7668248186994	-101.0880985	3211.48345741952	4043962.760799776	2936.5252643047175	2892.432580822425	2897.11709030337	2875.235188137146	17.4820516625921	17.4820516625921
441	292741	-80541.1413		1053097.3170250766	39.766830759781	-101.085752	3216.48345741952	4043962.760799776	2936.5252643047175	2892.432580822425	2897.11709030337	2875.235188137146	17.4820516625921	17.4820516625921
442	292742	-79881.1413		1053097.3170250766	39.7668358494012	-101.0834061	3215.4543944681	4043954.540654571	2944.6901431490906	2891.162691160145	2890.710830415638	2875.235188137146	17.4820516625921	17.4820516625921
443	292743	-79221.1413		1053097.3170250766	39.76684132842472	-101.08106	3217.514394919308	4043950.575293711	2947.14368287021057	2890.5683550271057	2891.597790863973	2880.6192078211025	17.4820516625921	17.4820516625921
444	292744	-78561.1413		1053097.3170250766	39.76684674622141	-101.0787138	3219.524424576336	4043947.51029917	2947.6857418210343	2892.251335202528	2891.2738433813051	7.79363881071601	8.690917799923401	8.690917799923401
445	292745	-77901.1413		1053097.3170250766	39.76685211949008	-1								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThBoth.ft
525	292825	-25101.14133		1053097.3170250766	36.76173505851857	-100.8886743	338231.65040811966	403167.858580588	2998.075142680703	28.17234329117904	2813.649391	2814.0817558449685
526	292826	-24441.14133		1053097.3170250766	36.76173676792525	-100.8863281	338432.6219692247	2992.875885754875	2942.61298015642635	2809.971986039266	2810.41743626051229	33.7936296787215
527	292827	-23781.14133		1053097.3170250766	36.7617472651363	-100.8839818	338633.58461677503	403369.76181257	2988.270873686537	2841.1204224716466	2805.859246889332	35.1694976284354
528	292828	-23121.14133		1053097.3170250766	36.76174053355966	-100.8813657	338834.564313612	403605.714671655	2978.2601055155887	2838.0413569029024	2801.5339497428317	36.50740716007067
529	292829	-22624.14133		1053097.3170250766	36.7617418644643	-100.8792896	339035.53530341067	403601.6617642735	2970.248334664674	2834.97150334791	2796.653725278048	37.24561420088642
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532	292832	-20481.14133		1053097.3170250766	36.76174640253923	-100.872251	339638.4475045436	403589.528457374	2957.638919474333	2825.8366343447013	2782.3533866455464	43.146822060142424
533	292833	-19821.14133		1053097.3170250766	36.7617472651363	-100.8699449	339839.58461677503	403629.76181257	2952.2476468550535	2784.7233721088584	2784.45268697832	38.3811576726098
534	292834	-19161.14133		1053097.3170250766	36.7617487515943	-100.8675587	340040.3873236885	403581.43782563	2955.846542557546	2781.1488545204794	2787.328697705007	32.47612103036881
535	292835	-18501.14133		1053097.3170250766	36.76175005847666	-100.8652125	340241.3587932946	403621.3971303707	2960.165662	2816.807350890463	2788.47249045687	38.0070083139038
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537	292837	-17181.14133		1053097.3170250766	36.761752509125374	-100.8605202	340643.29637970675	403559.301063417	2974.2543547545293	2810.4836049575985	2789.7831685881506	27.90035158458214
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539	292839	-15881.14133		1053097.3170250766	36.76175477845976	-100.8558278	341054.2368604308	403561.217179628	2985.729259765126	2804.904344348704	2790.816676	27.911398862254725
540	292840	-15201.14133		1053097.3170250766	36.7617558413408	-100.8534816	341246.2057940236	403557.167496401	2987.548033086809	2802.00481833968	2791.0030844587447	27.91811348417137
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543	292843	-13212.14133		1053097.3170250766	36.76175877318541	-100.8464431	341849.112921399	403545.036821754	2998.269452625855	2793.2790156807555	2792.319342531457	27.92625641935297
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546	292846	-11241.14133		1053097.3170250766	36.761761253277917	-100.8394046	342502.0165981087	403532.50681578	2969.865925562062	2784.672255	2790.98079060094	27.9017451984704
547	292847	-10601.14133		1053097.3170250766	36.7617625961347	-100.8369441	342852.068193019	403476.32020898	2966.158261830878	2784.28951	2792.104702058126	27.91675616221838
548	292848	-9921.141327		1053097.3170250766	36.761762746599306	-100.8347122	342853.948863473	403524.82135338	2952.054762716964	2779.00199650015	2788.382425377278	27.9203258618149
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550	292850	-8601.141327		1053097.3170250766	36.76176401880445	-100.8300199	343255.89057254343	403516.73871104	2939.8510275572835	2773.406481072050	2784.9726578427008	27.91851623532627
551	292851	-7941.141327		1053097.3170250766	36.76176458866412	-100.8276737	343456.85818753083	403523.1696157486	2941.7212337588926	2770.62968029991	2783.5772084653972	27.91783253504575
552	292852	-7281.141327		1053097.3170250766	36.761765109595161	-100.8253275	343657.825614836	403508.64724869	2951.56320844171	2767.8680273193763	2782.36945609397	27.92592857852727
553	292853	-6621.141327		1053097.3170250766	36.76176598919608	-100.8228913	343858.7926459515	403494.318577248	2961.508607597415	2766.8686790883	2781.5757964255384	27.9302562591258
554	292854	-5961.141327		1053097.3170250766	36.76176691077141	-100.8205351	344059.760127103	403490.572368057	2971.2402652685457	2762.386102234107	2780.62526854527	27.93270251891019
555	292855	-5301.141327		1053097.3170250766	36.76176640581662	-100.818289	344260.72713918646	403531.93103248	2973.16414982103	2759.666818412574	2780.486771302915	27.930826051453128
556	292856	-4641.141327		1053097.3170250766	36.7617674273322	-100.8159428	344461.694	403492.4914724258	2967.15995787873	2756.961502320385	2780.644881175965	27.93100086676400
557	292857	-3981.141327		1053097.3170250766	36.7617670332123	-100.8135966	344662.66071292374	403488.451254527	2961.153770595357	2754.2706919321443	2781.453073704956	27.93164489584621
558	292858	-3321.141327		1053097.3170250766	36.7617672048057	-100.8112504	344863.6272749888	403484.11273744	2955.1475836401987	2751.948821010306	2782.9783395782526	27.9312611345413
559	292859	-2661.141327		1053097.3170250766	36.761767499511324	-100.808943	345064.5938746355	403480.2713315904	2950.1601159592424	2748.30396490249	2783.951998700814	27.93443317329163
560	292860	-2001.141327		1053097.3170250766	36.76176765961347	-100.8065481	345265.559805515	403476.32020898	2946.1919271166578	2746.28951	2782.104702058126	27.91675616221838
561	292861	-1341.141327		1053097.3170250766	36.76176774738699	-100.8042118	345466.526064405	403472.29275071	2942.226194740924	2743.66060689472	2786.61546462779	27.92173164117039
562	292862	-681.1413269		1053097.3170250766	36.76176784331885	-100.8018657	345667.492023939	403468.253739949	2938.25871231517	2741.04892563471	2768.99927779687	27.926944943905274
563	292863	-21.14132693		1053097.3170250766	36.7617678678417	-100.7995196	345868.4548545606	403464.215493789	2931.0235240495858	2738.48422586672	2760.7618466186104	27.93100086676400
564	292864	638.85867303514		1053097.3170250766	36.7617678718607	-100.7971734	346069.4235131659	403460.176	2920.53226924946	2735.865384336472	2752.504783658333	27.925819961007586
565	292865	1298.85867303514		1053097.3170250766	36.76176791804989	-100.7948272	346270.3802341557	403456.138098154	2910.0440733840067	2733.2989969668365	2745.21413570619	27.93113402097856
566	292866	1958.85867303514		1053097.3170250766	36.76176766832034	-100.792481	346471.35404351804	403445.10202864	2905.494284173517	2730.745917380532	2740.86175956562	27.940133043425945
567	292867	2618.85867303514		1053097.3170250766	36.76176791804989	-100.7902818	346678.1078703625	403439.47598451	2898.58271980447	2728.4071032278	2739.78502157689	27.940133043425945
568	292868	3278.85867303514		1053097.3170250766	36.76176774738699	-100.7877877	346874.2847202942	403444.02460288	2898.1774170517	2725.683790502343	2741.0433637338992	27.940133043425945
569	292869	3938.85867303514		1053097.3170250766	36.76176760074485	-100.7854425	347074.24962988444	403439.987253384	2885.753835329983	2723.1741232301497	2742.269485180639	27.94229694871056
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571	292871	5258.8586730351		1053097.3170250766	36.7617664904829	-100.7807501	347476.1790439795	403431.913264106	2877.27044965622	2718.199659	2743.7969735145243	27.94164855633738
572	292872	5918.8586730351		1053097.3170250766	36.76176640581662	-100.778404	347677.1435035326	403427.876677125	2870.473309097211	2715.73548916573	2744.0513277600094	27.9442659639338
573	292873	6578.8586730351		1053097.3170250766	36.76176616937715	-100.7760878	347878.1078703625	403423.84029141	2863.859712228683	2713.687483951823	2743.6796920178959	27.94433948197898
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575	292875	7898.8586730351		1053097.3170250766	36.761764822171161	-100.7713654	348280.0361107299	403415.7651514155	2851.21266880225	2708.45668258485	2740.9310479197567	27.94164855633738
576	292876	8558.8586730351		1053097.3170250766	36.76176406	-100.7690192	348481.0001016792	403411.732470247	2846.04706781808	2706.0529841652656	2738.8523201925036	27.937689736012
577	292877	9218.8586730351		1053097.3170250766	36.76176345	-10						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	LatHtLogKgr.f	SurfHtBothKgr.f
51	39	29291	58058.85867307335	105.30973170250766	39.76699248353454	-105.3095663	363552.8915151001	4031019.376289532	2621.1053658858614	270.1480042688204	2552.5666622486465	2552.366388525207	17.581342020173906	17.7816154831349
52	39	29292	58117.85867307335	105.30973170250766	39.766988473414074	-105.3067101	363573.84481646876	4031019.376289532	2615.034890431717	2569.54354050527	2550.52417025769	2550.197547	19.3241932965775	19.3241932965775
53	39	29293	58136.85867307335	105.30973170250766	39.76698441786334	-105.3083639	363584.7981768346	4031019.376289532	2598.92229662228	2598.1588374961424	2548.55734216156	2548.558072884457	19.6803340038037	19.6803340038037
54	39	29294	58159.85867307335	105.30973170250766	39.76698301718832	-105.3090178	363515.751323908	403097.684	2602.89147655394	2569.082430350263	2550.05534131456	2550.098607977803	19.0270901879032	18.983230704603
55	39	29295	58186.85867307335	105.30973170250766	39.76697761108309	-105.3083676	363456.704303674	4030303.66724925	2605.402634345646	2569.3726921627554	2551.2197561739376	2551.2789123055164	18.15236062	18.0937788572968
56	39	29296	58216.85867307335	105.30973170250766	39.766971799649576	-105.3081235	363457.6572276554	4030303.66724925	2616.5131263785594	2569.97175935685	2553.657908052595	2553.386438397739	16.2126783073233	16.592692517328997
57	39	29297	58241.85867307335	105.30973170250766	39.76696774288786	-105.3078793	363478.6099753069	4030303.66724925	2627.6188004873759	2570.79107752513	2555.637965296026	2555.298328584403	15.1611423586	15.008779168110057
58	39	29298	58267.85867307335	105.30973170250766	39.76695346077875	-105.3076331	363459.562958657	4030301.61873706	2638.7228004873759	2571.73128606349	2557.959335451618	2557.518491179566	13.71749561187267	14.234813683934278
59	39	29299	58293.85867307335	105.30973170250766	39.76694953337872	-105.3074287	363510.51589054426	4030371.602484791	2627.7936204077128	2572.7936204077128	2559.523388	2559.523388	12.7202255652622	12.751683118339911
60	39	29300	58318.85867307335	105.30973170250766	39.76694706633354	-105.30719408	363561.4671485654	4030371.602484791	2612.2730560122	2573.8958305052	2574.33922103066	2574.33922103066	9.5547300224971	9.5547300224971
61	39	29301	58343.85867307335	105.30973170250766	39.76693034255784	-105.3069586	363562.4196957027	403069.571	2672.54307947214	2575.037947214	2565.8158406187034	2565.7962148490375	9.552568334716	9.247516023
62	39	29302	58368.85867307335	105.30973170250766	39.76694581915593	-105.30672485	365763.37180438964	4030305.55253499	2683.85208199532	2576.22679530046	2575.0716590081152	2576.483694321212	1.155136291954932	0.761901656444939
63	39	29303	58393.85867307335	105.30973170250766	39.7669413704248	-105.3064923	365964.323784928	403061.541295608	2687.291241	2577.436960251743	2577.657946509556	2578.088269842706	0	0
64	39	29304	58418.85867307335	105.30973170250766	39.7669381635835	-105.3062551	366165.276357141	4030357.52	2682.86120164974	2578.662255014974	2579.896241389823	2580.31765166556	0	0
65	39	29305	58443.85867307335	105.30973170250766	39.76693211697825	-105.306021	366366.2272623625	4030553.12129131	2678.4306188555684	2579.916317314225	2582.118937574303	2582.709148832424	0	0
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96	39	29336	59218.85867307335	105.30973170250766	39.76676715325004	-104.9874791	372595.66897891	4030239.182	2762.61004242026	2608.600696791256	2537.2652505163637	2537		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatHtLog.f	SatHtBoth.f
37	297	29307	-34781.1413	1053757.3170250766	39.76270995488633	-102.0335689	240139.09944542148	4050283.157	3885.9778639793713	3503.879463595214	3469.5731631698227	3470.220719328347	34.30630042539133	33.65874432379366
38	297	29308	-346521.1413	1053757.3170250766	39.762734350712766	-102.0312227	240340.17149059179	4050818.91402685	3882.40084262436	3502.18733250574	3468.523680556233	3469.76134465377	32.753226781213	32.4748028712178
39	297	29309	-345891.1413	1053757.3170250766	39.7627474982159	-102.0288769	240561.24327882993	4050814.82658478	3879.533342	3500.480178798982	3469.189642582934	3469.190496	31.89741565235193	31.2894323163195
40	297	29309	-345201.1413	1053757.3170250766	39.762780979312694	-102.026551	240742.3184032482	405010.660094957	3677.350632829415	3498.776504909245	3467.571422273832	3468.701473133327	31.2050827379584	30.5250412842815
41	297	29308	-344541.1413	1053757.3170250766	39.76280463486607	-102.0241852	240934.38605833764	405080.496064988	3675.167934009489	3497.0684812140717	3466.2381519718833	3467.016325910914	30.80329242188327	30.55218530336127
42	297	29302	-343881.1413	1053757.3170250766	39.76282830234166	-102.0218394	241144.54571040191	405080.31462694	3675.98489777002	3495.35489777002	3464.808571946834	3465.799581793024	30.46891783017278	29.998079835046
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44	297	29304	-342561.1413	1053757.3170250766	39.76287544409923	-102.0171477	241546.5983723757	405794.003	3669.43417178361	3491.960790719484	3461.316291188365	3462.665246	30.90507191807486	29.24153237293405
45	297	29305	-341901.1413	1053757.3170250766	39.762898947001119	-102.0148919	241747.6686242652	405781.390987442	3677.684345733366	3490.169177169576	3459.38361890354	3460.791006225476	30.76106078222443	29.8761754472035
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47	297	29307	-340581.1413	1053757.3170250766	39.76294582	-102.0101102	242149.389398958	405781.512001254	3665.592697191007	3486.691799324285	3455.084714607486	3454.8546532817624	31.58446532579524	30.2968905806606
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64	297	29304	-329361.1413	1053757.3170250766	39.76333689167191	-101.970206	245567.9550849971	405710.771	3668.100579968878	3458.161257880335	3422.017349432075	3421.96604069038	35.6630885	35.715217310995286
65	297	29305	-328701.1413	1053757.3170250766	39.76335892052084	-101.9678788	245789.76202057575	405707.6278851	3665.96787878927	3456.154511819836	3420.373772581167	3420.373772581167	35.6182792595208	35.88854206075166
66	297	29306	-328041.1413	1053757.3170250766	39.76338022012093	-101.9655388	245970.165242044	405705.43492318	3665.100871925478	3454.671761525678	3419.1256933021374	3419.1256933021374	35.505862534043	35.735185327454
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76	297	29316	-321441.1413	1053757.3170250766	39.76360505903551	-101.94208	247980.72800941923	405660.879	3615.0274982038	3441.134180314447	3407.98967911145	3407.98967911145	34.14450120330184	33.87696635275506
77	297	29317	-320781.1413	1053757.3170250766	39.76362711740156	-101.9397341	248181.7828974002	405656.722885407	3614.154314773496	3439.790178179458	3407.5430827700769	3406.8741993621	34.0687498988683	32.9158118320697
78	297	29318	-320121.1413	1053757.3170250766	39.763649119125448	-101.9373882	248382.6446151522	405652.367015792	3613.28126195375	3438.375195177529	3407.2362734859564	3406.631501998997	34.13891691932536	34.73434972692174
79	297	29319	-319461.1413	1053757.3170250766	39.763672354704514	-101.935084	248592.764982087	405648.19186152	3612.40481982087	3437.462554789788	3406.9297258134	3406.9297258134	34.0825147756914	35.0497139679576
80	297	29320	-318801.1413	1053757.3170250766	39.76369297957364	-101.9326055	248784.9680289441	405644.25065512	3608.16461023924	3435.1379394371047	3405.70032664897	3405.70032664897	34.06302684827	35.0497139679576
81	297	29321	-318141.1413	1053757.3170250766	39.7637148936452									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevLogsKrg.	BRIElevBothKrg.	SurfBothKrg.	SatHBothKrg.
163	397	29303	-264021.1413	1053757.3170250766	39.76535410019831	-101.7379827	265472.2213681065	4050300.25046061	3427.0572594632645	33.52510054810638	3282.0838742320584	3282.007398027411	34.12818045	43.50465656362481
164	397	29304	-263631.1413	1053757.3170250766	39.76537220956655	-101.7396347	265673.2626672085	4050256.070460317	3437.276358117103	33.54797586791165	3281.3396555666989	3281.2851496510453	43.64006309247634	43.6940602902110975
165	397	29305	-263201.1413	1053757.3170250766	39.76538927441025	-101.7382267	265874.3037353439	4050291.953703491	3447.4856017689184	33.5244330744942488	3280.72801471511697	3280.668529436577	43.7045859294367	43.73619149
166	397	29306	-262601.1413	1053757.3170250766	39.76540829353204	-101.7309447	266075.3447311122	4050287.801180408	3457.7147813112103	33.527837259	3279.920377119985	3279.854278949044	43.64006302005534	43.91863131120705
167	397	29307	-261813.1413	1053757.3170250766	39.76542626733097	-101.7285896	266276.3818820563	4050283.666951873	3465.8120247607794	33.5233008117020872	3279.1150598401664	3278.9851735684715	44.185751861920835	44.31509813361572
168	397	29308	-260712.1413	1053757.3170250766	39.76544419580701	-101.7262526	266477.4255570219	4050275.332880551	3471.7873355204384	33.52715202045406	3277.845659208094	3277.805424641198	44.93505410307996	44.93505410307996
169	397	29309	-260061.1413	1053757.3170250766	39.765462027896016	-101.7239066	266678.46502737895	4050273.39097036	3477.762064899884	33.522114495892745	3276.4512699984714	3276.42042056515	44.6601795874560084	44.6601795874560084
170	397	29310	-259401.1413	1053757.3170250766	39.76547991679034	-101.7215068	266879.50562605287	4050271.266	3483.732062895993	33.521495678488606	3274.86293213371	3274.862940824746	45.62806923530964	45.62806923530964
171	397	29311	-258741.1413	1053757.3170250766	39.76549770592753	-101.7192146	267080.545078883	4050269.132479373	3488.071691981804	33.52083708540318	3273.086554509378	3273.086554509378	47.69912217751163	47.69912217751163
172	397	29312	-258081.1413	1053757.3170250766	39.7655154648169	-101.7168698	267281.5847565566	4050259.98186185	3484.77702322246	33.5217095954455	3270.698420398735	3270.729673580656	48.48372596572016	48.48372596572016
173	397	29313	-257421.1413	1053757.3170250766	39.76553314832805	-101.7145228	267482.6239418884	4050282.966379985	3483.478531302328	33.52149306126956	3266.854462288034	3266.854462288034	52.61860384	52.61860384
174	397	29314	-256761.1413	1053757.3170250766	39.76555801488083	-101.7121766	267683.663	4050254.734	3482.179698043661	33.518734662051133	3263.3426127830217	3262.895185810318	55.38008534209104	55.8282803947105
175	397	29315	-256101.1413	1053757.3170250766	39.76556826095726	-101.7098306	267884.7017643509	4050250.601457194	3481.573267078843	33.5173267078843	3263.529947394364	3263.427280044682	54.69158986159799	54.69158986159799
176	397	29316	-255441.1413	1053757.3170250766	39.76558991967486	-101.7074485	268085.7403063917	4050246.46939518	3481.660756583423	33.517104878	3264.95514832429	3264.95514832429	52.14973011526261	52.12672286278204
177	397	29317	-254781.1413	1053757.3170250766	39.765603512565034	-101.7051389	268286.77862010525	4050242.307315452	3481.747610130981	33.5167760496713135	3266.838271746005	3267.068731	50.407794997152069	49.1773148826625
178	397	29318	-254121.1413	1053757.3170250766	39.76562098780135	-101.7027925	268487.8167054297	4050238.205007959	3481.8354170136385	33.51362407201145	3269.040976	3269.040976	50.812431420305074	49.8877173345769
179	397	29319	-253461.1413	1053757.3170250766	39.7656381772342	-101.7004485	268688.8545626387	4050234.074542709	3481.9516107131268	33.514490545	3271.543739300606	3272.1293527686325	49.8128510967419	49.33552173171756
180	397	29320	-252801.1413	1053757.3170250766	39.76565580232218	-101.6981005	268889.892192475	4050229.93419692	3485.5593064133827	33.513390922997194	3274.1972458657474	3274.903543673024	38.6302676234165	38.6302676234165
181	397	29321	-252141.1413	1053757.3170250766	39.76567314159762	-101.6957545	269090.926944699	4050225.81538903	3488.015607669333	33.5127066218895	3276.77072048541	3277.332186708617	35.27656458133106	35.27656458133106
182	397	29322	-251481.1413	1053757.3170250766	39.7656904355197	-101.6934084	269291.967691011	4050221.68100336	3491.616504367246	33.51166504367246	3277.356387566507	3277.893098	34.3886510973842	33.7719458163306
183	397	29323	-250821.1413	1053757.3170250766	39.76570784817839	-101.6910624	269493.0037165567	4050217.55103979	3493.59137827159	33.5107299166502	3275.161498307812	3275.509559	35.0514933724991	35.20342233620216
184	397	29324	-250161.1413	1053757.3170250766	39.765724887463614	-101.6887164	269694.004	4050213.412489325	3495.348752271096	33.50972595912333	3271.750267345523	3271.8907125670413	38.0027384774089	37.853873584192016
185	397	29325	-249501.1413	1053757.3170250766	39.7657420456545	-101.6863719	269895.0780376215	4050209.330874625	3498.051936828287	33.50872595912333	3270.668591215281	3270.668591215281	50.51938533024338	50.51938533024338
186	397	29326	-248841.1413	1053757.3170250766	39.76575915812371	-101.6840243	270096.1131972236	4050205.167168103	3504.907482403701	33.50782027545537	3265.406715656753	3265.37505954987	42.9600558487337	42.4449215825389
187	397	29327	-248181.1413	1053757.3170250766	39.76577622545849	-101.6816783	270297.14923873136	4050201.30240521	3505.769048473109	33.50682528650562	3263.346720114207	3263.178590447252	43.6398508148499	43.6398508148499
188	397	29328	-247521.1413	1053757.3170250766	39.76579347469695	-101.6793323	270498.185053396	4050196.90351111	3503.57249742957	33.50583155177603	3262.43577114038	3262.4313827941005	43.4748304372146	43.4748304372146
189	397	29329	-246861.1413	1053757.3170250766	39.76581022415729	-101.6769862	270699.22064211837	4050191.37211864	3501.375650474266	33.50473578624368	3263.779423121147	3264.227198440209	41.3396363127181	40.68638780802085
190	397	29330	-246201.1413	1053757.3170250766	39.765827155521265	-101.6746402	270900.25600511266	4050185.645510778	3499.178951746251	33.503943654063824	3268.751181761784	3270.2375316677994	35.192472974651	33.70612239602451
191	397	29331	-245541.1413	1053757.3170250766	39.765844054195157	-101.6722842	271101.2911425781	4050181.1765184	3498.851779270883	33.5027797881789734	3274.915052591768	3274.915052591768	50.8751897888647	50.8751897888647
192	397	29332	-244881.1413	1053757.3170250766	39.7658609287622	-101.6698481	271302.326051783	4050179.3859053	3500.3904	33.50194389053	3273.94014742347	3273.94014742347	37.108339	36.754537659696
193	397	29333	-244221.1413	1053757.3170250766	39.765887788	-101.6676021	271503.36074176023	4050175.762060396	3503.3711804427132	33.501023351128835	3258.89152354042	3257.860831584379	42.1281587884144	43.16251933580451
194	397	29334	-243561.1413	1053757.3170250766	39.765894472740236	-101.6652561	271704.39520388865	4050172.13127867	3500.04480581631	33.504791671277272	33.504791671277272	3252.504736786737	45.937310716062	45.937310716062
195	397	29335	-242901.1413	1053757.3170250766	39.765911134285584	-101.66291	271905.42944131634	4050168.05637461	3499.6362694247	33.503922232916865	3252.023229163661	3248.399357519343	40.7397320331255	50.63859654953326
196	397	29336	-242241.1413	1053757.3170250766	39.7659277191709076	-101.660564	272106.46345245106	4050163.6838196	3496.549624744356	33.502979033179956	3249.8327186002716	3249.8327186002716	42.469847172239	42.469847172239
197	397	29337	-241581.1413	1053757.3170250766	39.76594446050475	-101.6582818	272307.4897242901	4050159.71382975	3481.27196652343	33.5019857805348	3248.113665478854	3249.1942872473896	48.944722296258	49.0005058956336
198	397	29338	-240921.1413	1053757.3170250766	39.76596192747853	-101.6558479	272508.530074652	4050155.62461884	3480.160779872367	33.5010779872367	3246.72203253957	3246.58904442813	42.3584712126892	42.3584712126892
199	397	29339	-240261.1413	1053757.3170250766	39.76597874882838	-101.6535259	272709.5641816447	4050151.09869882	3478.77058393034	33.5001598014985	3245.5798813750516	3244.558819549945	43.939025046231195	50.9600500883761
200	397	29340	-239601.1413	1053757.3170250766	39.765993076354274	-101.6511798	272910.5972651927	4050147.31818962	3471.5252535486973	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
201	397	29341	-238941.1413	1053757.3170250766	39.7660104951671	-101.6488338	273111.615875994	4050143.24579116	3474.27376388041	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
202	397	29342	-238281.1413	1053757.3170250766	39.76602679664222	-101.6464877	273312.66292905246	4050139.11998128	3477.022462937	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
203	397	29343	-237621.1413	1053757.3170250766	39.76604313879603	-101.6441417	273519.69362714	4050135.994427566	3481.408603656385	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
204	397	29344	-236961.1413	1053757.3170250766	39.76605943562579	-101.6417767	273714.7270069074	4050131.300189	3487.58962667577	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
205	397	29345	-236301.1413	1053757.3170250766	39.76607592747853	-101.6394277	273915.64680277	4050127.130189	3484.851779270883	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	49.7064199090494
206	397	29346	-235641.1413	1053757.3170250766	39.7660931831292	-101.6371038	274116.7913818508	4050123.619	3487.58962667577	33.5001426153266	3244.126845132696	3244.552456063276	49.6723110716062	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SurfToBothKrg.ft	SatToBothKrg.ft
289	293329	-180861.1413	1053757.3170250766	39.762729	-11.4423782	290801.6742814918	4047081.101497488	3412.293202510965	3171.3345236316645	3094.038183540079	3088.096993282791	77.296340915853	85.23750305	
290	293330	-180201.1413	1053757.3170250766	39.76279143023795	-11.440032	291402.58811410107	4047076.996973198	3416.01432521427	3169.965579345863	3092.59389257088	3090.003692324535	77.27159009	85.8646255240936	
291	293331	-179581.1413	1053757.3170250766	39.7637635981014	-11.428699	291203.761241854	4047072.376821047	3408.733083797815	3156.801458870315	3091.081465271983	3092.01161723904	77.198939843423	85.7913427942312	
292	293332	-178881.1413	1053757.3170250766	39.76371606405755	-11.4353398	291404.751644985	4047068.789	3406.651741460085	3161.93306476103	3089.65201623028	3079.888987879543	77.2857031413219	87.0549168878063	
293	293333	-178221.1413	1053757.3170250766	39.763282692753	-11.429396	291605.7283834947	4047064.6848534	3404.569644713614	3165.4951985762423	3088.478298152107	3080.52595784827196	77.01690042	84.96931901	
294	293334	-177561.1413	1053757.3170250766	39.76374045447026	-11.4306475	291806.7413973497	4047060.58128986	3402.4875123173999	3160.70633911662	3087.06033211662	3078.69741813398	76.997586233748	85.3607823640141	
295	293335	-176801.1413	1053757.3170250766	39.76373261687704	-11.4283014	292007.75622116870	4047057.47972176	3400.208954744396	3162.635827983076	3085.691821048663	3078.031904040983	76.905488816552	84.61675794208759	
296	293336	-176241.1413	1053757.3170250766	39.763764843377866	-11.4259563	292208.7668145689	4047052.375	3397.731287243396	3161.128762	3082.2436965092543	3077.483445821214	77.0050606892076	83.99491781530742	
297	293337	-175581.1413	1053757.3170250766	39.7637695858104	-11.423691	292409.77827797515	4047048.272081147	3386.264475901041	3160.481378621012	3080.6308664754	3076.418929291782	77.0181288956742	81.4328723831868	
298	293338	-174921.1413	1053757.3170250766	39.763738981378224	-11.421263	292610.78161471675	4047044.16967615	3392.7776770774154	3158.47814132185	3080.913043890462	3075.615914052304	77.5657704413897	82.95597422219302	
299	293339	-174261.1413	1053757.3170250766	39.763740058228836	-11.4189169	292811.8034128876	4047040.70115388	3390.5889544174858	3157.145331994307	3079.2408196122256	3074.616247071875	77.9045123820182	82.84307287171961	
300	293340	-173601.1413	1053757.3170250766	39.76471289871719	-11.4165707	293012.8152060278	4047035.965004462	3388.688329103034	3155.844961601107	3077.4822560183093	3076.2962202136905	78.3627058270144	81.48217598	
301	293341	-172941.1413	1053757.3170250766	39.76472498128474	-11.4142246	293213.82679634506	4047031.863134829	3386.787700648343	3154.578854995886	3075.636735741017	3075.69541197467	78.8144330212153	81.3814430212153	
302	293342	-172281.1413	1053757.3170250766	39.764736035836	-11.4118785	293414.8381840564	4047031.761506476	3384.887790257342	3153.3398960177774	3073.7440216	3074.36426877774	79.59986036530745	81.97562724007503	
303	293343	-171621.1413	1053757.3170250766	39.76474848261615	-11.4095323	293615.8496939665	404723.660119408	3382.2084947030664	3152.313605777673	3071.8067553408387	3070.0302752627995	80.7603923692682	82.01108531	
304	293344	-170961.1413	1053757.3170250766	39.7647602269378	-11.4071862	293816.8602514846	4047019.558973042	3378.751951088217	3150.946814248962	3070.011166630958	3068.61886328577	80.93544781200428	82.3277506030636	
305	293345	-170301.1413	1053757.3170250766	39.76477195888729	-11.40484	294017.8711336614	4047015.458	3375.2954074761974	3148.77964282446	3068.1617398420397	3067.086843289933	80.751253394932	82.8910199534317	
306	293346	-169641.1413	1053757.3170250766	39.76478362	-11.4024939	294218.88171296471	4047011.35407679	3371.8388613861127	3148.616194720816	3066.386343965957	3065.545628024797	82.2296573845506	83.0676190303307	
307	293347	-168981.1413	1053757.3170250766	39.76479548780564	-11.4001478	294419.892097419	4047017.256893723	3366.754188192288	3147.4525004887051	3064.759974717005	3064.313960877404	82.67560747004618	83.1421008	
308	293348	-168321.1413	1053757.3170250766	39.7650683074454	-11.3978016	294620.90262715064	404703.157	3360.04318130249	3146.278025253123	3063.7855795917856	3063.2981724144306	82.7594325012673	82.9794738	
309	293349	-167681.1413	1053757.3170250766	39.76518386816376	-11.3954555	294821.91224239813	404699.05683323	3353.3314071887754	3145.08571887754	3062.7861245735355	3062.341185620317	82.2999942021166	82.6543325700946	
310	293350	-167001.1413	1053757.3170250766	39.765229607131	-11.3931093	295022.9220166034	404694.56174649	3346.611992155648	3143.6889252584	3062.169620439676	3061.823206412588	81.6959269130841	82.0458348003959	
311	293351	-166281.1413	1053757.3170250766	39.76526777193	-11.3906363	295229.96462734524	404690.387701782	3340.840221762953	3143.2544881905126	3061.44333177814	3061.0374583388	81.7432916815338	81.8423216815338	
312	293352	-165681.1413	1053757.3170250766	39.7655270390304	-11.3884171	295424.341	404686.7589181	3335.755275856982	3141.3466115400894	3061.619642749032	3061.174969312927	77.2650695518513	80.171521062664	
313	293353	-165021.1413	1053757.3170250766	39.7657605071429	-11.3860709	295625.950135905	404683.65958171355	3330.7438531824356	3140.037688374506	3061.3889102801297	3060.94878952068	77.6885855782067	79.0889188365452	
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318	293358	-161721.1413	1053757.3170250766	39.7659167478164	-11.3743402	296630.9300142983	404662.16261075	3307.450905901857	3133.108569051424	3058.038905619126	3057.648869514236	75.7574949551709	75.2549704056743	
319	293359	-161061.1413	1053757.3170250766	39.7663815184959	-11.371994	296832.001	404658.07733349	3305.563135858624	3131.673242739229	3056.0451809126434	3056.022401230337	75.6280616285551	75.6491611888929	
320	293360	-160401.1413	1053757.3170250766	39.766422908385	-11.3696479	297033.008752167	404653.743674445	3306.68899584253	3130.2519445362545	3055.702482674045	3055.6251951625013	75.5991601840932	75.691601840932	
321	293361	-159741.1413	1053757.3170250766	39.7665328461095	-11.3673017	297234.016329928	404649.874041286	3307.8149736308777	3128.853793661903	3050.8158547297303	3050.70342792868	77.038798564004	78.0906889352049	
322	293362	-159081.1413	1053757.3170250766	39.7667634300078	-11.3649556	297435.07808662	404645.75996046	3308.940956782497	3127.916011795494	3047.535372534252	3047.53056242749	79.9607299	79.9607299	
323	293363	-158421.1413	1053757.3170250766	39.7667851360343	-11.3626094	297636.030895973	404641.8630337	3311.353767305628	3126.792224680156	3046.122224680156	3043.869948	82.297488221128	82.3227488209542	
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326	293366	-156441.1413	1053757.3170250766	39.76770773287694	-11.355571	298239.051243598	404629.394790682	3322.42565	3122.572837557823	3033.543161955914	3033.357160474765	80.0296150019082	82.156415103463	
327	293367	-155781.1413	1053757.3170250766	39.7677182950111	-11.3532248	298440.057360125	404625.29919148	3321.296064679545	3121.416081158031	3031.383929216084	3031.1508844761	80.0221519431965	80.9009271041581	
328	293368	-155121.1413	1053757.3170250766	39.76772891746735	-11.3508787	298641.063260056	404621.204	3316.738631097939	3120.260597860656	3029.9710297235915	3029.5820879873345	80.2895817303334	80.9678509903203	
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333	293373	-151821.1413	1053757.3170250766	39.767781673692504	-11.3391479	299646.0919365455	404600.731	3288.03304688311	3114.228920450719	3024.583101542913	3022.74753241489	81.8484518907619	81.48138804	
334	293374	-151161.1413	1053757.3170250766	39.7677920781547	-11.3368017	299847.0964987605	404596.63747468	3281.56640856796	3112.0648901734026	3023.7584387219827	3022.45134			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgrg.ft	BRIElevBothKgrg.ft	SatThkLog.s	SatThkBoth.ft
415	397	293455	-97701.14133	1053757.3170250766	39.78848430536158	-11.14674609	316127.8717042864	404265.83	3069.403978	2923.85569945975	2930.7271387675632	2929.8662265139563	0	0
416	397	293456	-97041.14133	1053757.3170250766	39.78849092914074	-11.1444714	316328.8609138495	404265.81	3058.1214499573152	2921.840060921437	2923.591894607595	2929.8662265139563	0	0
417	397	293457	-96381.14133	1053757.3170250766	39.78849765313441	-11.1420868	316529.8508784877	404257.88	3048.838218416998	2919.448949409991	2921.351610838863	2920.265157544034	0	0
418	397	293458	-95721.14133	1053757.3170250766	39.7884974023052676	-11.1397223	316730.8396645947	404253.60	3035.556336726085	2917.283713821607	2917.174444363693	2916.0982772687897	0.10928925531430243	1.185495737784685
419	397	293459	-95061.14133	1053757.3170250766	39.78851078338849	-11.1373761	316931.8287719703	404249.53	3022.871708523294	2915.14958371984	2913.4741982426262	2912.3769642628425	1.6753001293578665	2.772835749141632
420	397	293460	-94401.14133	1053757.3170250766	39.78851728982235	-11.1350299	317132.8717017274	404245.46	3010.2651516139	2910.250561516139	2909.142828338698	2908.002303966933	3.9043632012567286	0
421	397	293461	-93741.14133	1053757.3170250766	39.78852077207706	-11.1326837	318373.80645243684	404241.38	3001.424907442262	2911.002714682784	2907.491429193833	2906.412941953833	3.150942272895136	4.589700813
422	397	293462	-93081.14133	1053757.3170250766	39.78853016630301	-11.1303375	317934.75902580443	404237.315	3015.228818579394	2909.01288709734	2905.051045176566	2903.3092806407954	3.9554652793727283	5.70340646238554
423	397	293463	-92421.14133	1053757.3170250766	39.7885365655001	-11.1278913	317735.7634	404233.25	3008.648979694222	2907.03897327798	2903.316277029455	2901.8337487441268	3.765786702863587	7.3123886872251
424	397	293464	-91761.14133	1053757.3170250766	39.7885428146814	-11.125645	317936.717638407	404228.70	2998.68556906706	2905.320570794935	2901.849717769547	2900.397170479572	3.45297803382873	49.10525490921272
425	397	293465	-91101.14133	1053757.3170250766	39.78854914	-11.1232898	318137.7568900219	404226.08	2990.72379904308	2903.63995492783	2900.8417374591376	2900.833493837212	2.798218030845419	3.8076115555709293
426	397	293466	-90441.14133	1053757.3170250766	39.7885538	-11.1209526	318338.7475449867	404221.027	2981.76100918748	2902.14276776614	2900.4606993714965	2900.2183342592778	1.682158391171325	1.924432304808905
427	397	293467	-89781.14133	1053757.3170250766	39.7885615424874	-11.1186064	318539.73523224203	404216.95	2971.100218	2900.8191546240823	2900.0745107688226	2900.074463891	0.746458357	0.325294134
428	397	293468	-89121.14133	1053757.3170250766	39.78856771	-11.1162602	318740.722724893115	404212.88	2958.74725993296	2999.6558484037	2988.631425166053	2987.9437593659204	0.1277593749014829	0
429	397	293469	-88461.14133	1053757.3170250766	39.788573806124294	-11.113914	318941.7109771483	404208.81	2946.395823448627	2998.03393362793	2987.9279180289773	2987.250252566537	1.009945234985338	11.37710489412543
430	397	293470	-87801.14133	1053757.3170250766	39.7885798096855	-11.1115678	319142.9723251145	404204.74	2934.037841780085	2997.680256447953	2978.498723507654	2977.004466965125	11.89353244713114	20.683769375282739
431	397	293471	-87141.14133	1053757.3170250766	39.7885858666383	-11.1092216	319343.68427729247	404201.67	2926.761893855748	2996.823941936271	2976.444961820424	2973.53156203732	23.78980115846844	23.29078572339007
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433	397	293473	-85821.14133	1053757.3170250766	39.78859745922778	-11.1045292	319745.6577	404192.531	2920.1726753679078	2995.23155803103	2969.29351084935	2969.010964361185	23.9380471806799	23.9380471806799
434	397	293474	-85161.14133	1053757.3170250766	39.78860317554535	-11.1021829	319946.641096829	404188.46	2912.120411212275	2994.480054560544	2986.763512725282	2986.645876411963	25.517572730772322	25.517572730772322
435	397	293475	-84501.14133	1053757.3170250766	39.78860943584453	-11.0998367	320147.630988957	404184.39	2904.84477178464	2993.7488940786875	2988.5754525211128	2988.5754525211128	25.1734862574471	25.1734862574471
436	397	293476	-83841.14133	1053757.3170250766	39.78861524824598	-11.0974005	320348.6134951371	404180.32	2904.389696143444	2993.03393362793	2986.60956	2986.645876411963	24.424373858333	24.38725626136277
437	397	293477	-83181.14133	1053757.3170250766	39.78862198465781	-11.0951443	320549.625954549	404173.37	2904.83294295427	2992.83294295427	2984.63294295427	2984.63294295427	24.146910289787683	24.146910289787683
438	397	293478	-82521.14133	1053757.3170250766	39.78862650777738	-11.0927791	320750.588161045	404172.18	2904.8102534404	2991.63079853303	2983.5101959515564	2983.5101959515564	23.12002582413953	21.867166110713817
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440	397	293480	-81201.14133	1053757.3170250766	39.78863789541379	-11.0881057	321125.590773414	404164.07	2903.29395510208	2987.2673671371608	2987.132129449474	2987.132129449474	17.872234139047123	18.1013285551045
441	397	293481	-80541.14133	1053757.3170250766	39.78864349473831	-11.0857595	321353.54440413495	404159.07	2901.91807281503	2989.552056029786	2987.36173861553184	2987.36173861553184	16.1041409549466	16.1041409549466
442	397	293482	-79881.14133	1053757.3170250766	39.78864986	-11.0834132	321554.5296417854	404155.91	2902.1255804968	2988.8721194861264	2976.0132537243335	2974.75508936987	12.588686517929213	14.117703007429612
443	397	293483	-79221.14133	1053757.3170250766	39.7886554429995	-11.081047	321762.145305342	404151.85	2900.754341202149	2988.7533449837964	2974.7533449837964	2974.7533449837964	11.469107289787683	12.75456118599774
444	397	293484	-78561.14133	1053757.3170250766	39.7886609407370	-11.0787208	321965.4095583747	404147.22	2900.89027688214	2988.5454221331	2974.727026137785	2974.727026137785	11.151615300052547	11.151615300052547
445	397	293485	-77901.14133	1053757.3170250766	39.7886653714434	-11.0763746	322157.4836053425	404143.74	2900.81723	2988.30362961263	2977.20406668561	2976.401436588966	18.83406527656208	10.50252570022978
446	397	293486	-77241.14133	1053757.3170250766	39.78867054142674	-11.0740284	322358.67407600943	404134.91	2900.7687921249108	2987.7687921249108	2976.5912490227583	2976.5912490227583	9.689410044319037	9.689410044319037
447	397	293487	-76581.14133	1053757.3170250766	39.7886758237322	-11.0718622	322559.5421649919	404135.51	2900.95193687	2987.7678320273684	2977.27847823642	2976.674076117102	8.399994204	9.00376141568118
448	397	293488	-75921.14133	1053757.3170250766	39.7886810079338	-11.069336	322760.431868973	404131.50	2900.938225516957	2987.732592686957	2977.32592686957	2977.32592686957	8.54621438645663	8.54621438645663
449	397	293489	-75261.14133	1053757.3170250766	39.78868622567738	-11.0668987	322961.420035306	404127.14	2900.7744258782	2988.0710774638	2984.548852482287	2987.0173331	7.3505240357814	6.437087389241697
450	397	293490	-74601.14133	1053757.3170250766	39.78869138946585	-11.064445	323162.407140985	404123.37	2900.7376420096	2988.725452309885	2987.137354270943	2987.137354270943	6.01338017477939	5.72439803004131
451	397	293491	-73941.14133	1053757.3170250766	39.7886964987934	-11.0622273	323363.3872196104	404119.31	2900.787913257693	2988.5709431722877	2987.854005793974	2987.854005793974	4.75343936381024	4.58905354706824
452	397	293492	-73281.14133	1053757.3170250766	39.78870156	-11.0599511	323564.3705338694	404115.245	2901.8612902799	2988.4336823662	2976.909518796763	2976.909518796763	4.2698603689813	4.3811354
453	397	293493	-72621.14133	1053757.3170250766	39.78870656557004	-11.0576049	323765.3537	404111.17	2900.75602674878	2987.357733107035	2976.8610496113	2976.8610496113	3.959479222733734	3.889568036557434
454	397	293494	-71961.14133	1053757.3170250766	39.78871153100196	-11.0552586	323966.3367	404107.115	2902.8892449027	2987.457045733473	2977.32179446153	2977.32179446153	3.074273001	3.074273001
455	397	293495	-71301.14133	1053757.3170250766	39.78871645071762	-11.0529124	324167.3195281918	404103.05	2902.54290955007	2987.440951963062	2977.9894126382637	2980.097152899946	4.1515755804257	2.043823263600936
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457	397	293497	-70001.14133	1053757.3170250766	39.78872691611919	-11.0482781	324569.3872196104	404094.92	2900.7376420096	2984.20942367746	2981.89345182623	2981.89345182623	2.75439803004131	2.75439803004131
458	397	293498	-69321.14133	1053757.3170250766	39.78873197888996	-11.0458738	324770.269650778	404090.857	2900.352233369098	2981.89345182623	2977.240525977293	2980.097152899946	1.73505240357814	1.73505240357814
459	397	293499	-68661.14133	1053757.3170250766	39.788736628985	-11.0435275	324971.240203247	404086.93	2900.7744258782	2988.368733123	2986.893147	2986.874232173378	0	0
460	397	293500	-68001.14133	1053757.3170250766	39.7887403693503	-11.0411813	325172.2317115114	404082.91	2901.29130206883	2988.70930330316	2988.45521062681	2988.45521062681	0</	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.f	BREIEvBothKrg.f	SatthEvg.f	SatthBoth.f
53	398383	-336621.1413	1054417.3170250766	36.7648829007702	-101.966065	234036.39634951742	40405957.884611477	367.1627236624518	3476.2457146173974	3439.7090168113464	3440.491120287975	3436.968780605105	35.754594375699904	
54	398384	-335961.1413	1054417.3170250766	36.765138714201	-101.983719	243561.44054525418	40405953.722660485	367.153317895266	3474.50735629154	3437.3104065868995	3437.5215146024	3437.359592725735	36.58933739	
55	398385	-335301.1413	1054417.3170250766	36.764941786233485	-101.981321	245702.31348907224	40405949.540493573	367.8736645409964	3472.792333525663	3435.172041514373	3437.72174294573	3437.6517379790036	37.0576037990036	
56	398386	-334641.1413	1054417.3170250766	36.764964741020306	-101.980272	246783.59869407745	40405945.90494664	367.9279613206067	3471.062471668416	3433.3833239866935	3433.85473010963	3437.614767927252	37.20509696	
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68	398398	-326721.1413	1054417.3170250766	36.7652399605882	-101.9608761	246376.3853393464	40405895.40801197	3647.220167181075	3451.97454522963	3417.30077385967	3417.005140116484	34.1671371096679	34.41030481790436	
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRfElevLogKrg.ft	BRfElevBothKrg.ft	satHtElevLogKrg.ft	satHtBoth.ft
179	399	29399	-253461.1413	1054417.310250766	39.76745143519423	-101.700469	686892.99708814795	405405.3293699354	3479.635051395827	313.5703057443297	3272.872120374452	3273.426714453255	40.68818536987759	40.143534201970496
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206	399	29398	-235641.1413	1054417.310250766	39.76790492523582	-101.6371245	6874120.988122584	405332.331600406	3500.478874259085	3287.269849555011	3238.6518376576187	3239.36552784708	48.618011897392535	47.90432177033034
207	399	29398	-234981.1413	1054417.310250766	39.76792168381195	-101.6347874	687431.958628020195	405329.968979737	3506.128794569484	3286.891845366984	3236.4317264602635	3236.9729456987044	48.109591895670044	48.109591895670044
208	399	29398	-234321.1413	1054417.310250766	39.76793719372708	-101.6324723	687452.16852734527	405329.658234527	3503.14271807838	3283.526913010725	3232.569713765545	3232.569713765545	50.82783100404	50.82783100404
209	399	29398	-233661.1413	1054417.310250766	39.767953270388055	-101.6300862	687474.2020177882	405331.5579117552	3507.2157158121416	3283.52695382753	3230.243972354962	3230.508682095162	53.20869259731344	53.01598323341341
210	399	29399	-233001.1413	1054417.310250766	39.7679692568791	-101.6277401	6874925.0508317787	405330.4334941942	3516.293717044588	3282.193170662146	3226.470116619747	3226.579418106969	55.72305440239887	55.613752481476969
211	399	29399	-232341.1413	1054417.310250766	39.76797568255365	-101.6253839	6875126.08126717806	405330.31007326	3518.6315369652607	3280.847086048455	3222.46157604995	3222.0986204582423	58.385514568468046	58.74874042880319
212	399	29399	-231681.1413	1054417.310250766	39.76800121031127	-101.6230478	6875327.1145999643	405299.186415293	3519.585041023437	3279.459895	3218.183123635393	3217.7127249085229	61.7327159157066	61.7327159157066
213	399	29399	-231021.1413	1054417.310250766	39.7680170996348	-101.62027017	6875528.1414314801	405296.63600406	3520.538958581613	3278.14550525281	3213.6958431387448	3213.730270145899	64.45020323826206	64.97423323826206
214	399	29394	-230361.1413	1054417.310250766	39.76802304326404	-101.616356	687572.917182129	405290.390597744	3521.452049130789	3276.80403852497	3210.32737619873	3210.32737619873	68.022363454748	68.022363454748
215	399	29395	-229701.1413	1054417.310250766	39.768048742340436	-101.6160095	6875930.2071342605	405305.6817092214	3525.141220384901	3275.4646072019433	3203.52911996797	3203.52911996797	74.9289265214525	72.71264022329376
216	399	29399	-229041.1413	1054417.310250766	39.76806449551224	-101.6136634	6876131.23002358136	405282.694	3520.68056840468	3274.141967727234	3279.825918102003	3196.67591664433	74.41349650523352	77.47439586079063
217	399	29397	-228381.1413	1054417.310250766	39.76808002367213	-101.6113173	6876322.5991135878	405276.57208706	3519.830897297496	3273.836685915137	3198.388544505196	3198.281678365442	74.1614414088163	74.61790305
218	399	29398	-227721.1413	1054417.310250766	39.7680859636737	-101.6089711	6876533.287936525	405274.44984515	3518.97537548944	3271.553377139663	3198.165485537235	3198.4211293558039	73.38789160239276	73.1322477367794
219	399	29399	-227061.1413	1054417.310250766	39.7681114837368	-101.606625	6876734.316336793	405270.3382051551	3517.353336744814	3270.2971217920805	3196.0245573007337	3196.249633384258	72.71655491749	74.047279475075174
220	399	29400	-226401.1413	1054417.310250766	39.76812705578062	-101.6042789	6876935.3456047772	405266.20639708	3514.943981085699	3269.073324410347	3193.429374702306	3193.5599166199334	75.634957701655	75.5134779
221	399	29400	-225741.1413	1054417.310250766	39.76814308390766	-101.6024789	687715.468398982	405263.219398982	3514.943981085699	3269.073324410347	3193.429374702306	3193.5599166199334	75.634957701655	75.5134779
222	399	29402	-225081.1413	1054417.310250766	39.76815808390766	-101.5995866	68773147.0216869033	405257.964	3510.184405903433	3266.734217563525	3193.429374702306	3193.5599166199334	75.634957701655	75

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogs.kg.ft	BRIElevBoth.kg.ft	SatElevLogs.ft	SatElevBoth.ft
305	29485	-173031.1413	1054417.3170250766	3679828501	-101.4048552	294021.9813882102	404916.749860936	3375.1354573962626	3149.756658627451	349.756658627451	3067.6643171338874	3066.5683160570741	82.0923453453667	83.17304625671022
306	29488	-169641.1413	1054417.3170250766	36792665480196	-101.402509	294222.9917115006	404916.749860936	3371.400267366091	3148.56751022474	3065.88645993327	3064.9692503540603	3064.9692503540603	82.7110055314143	83.62840466782383
307	29487	-168891.1413	1054417.3170250766	3679393133919494	-101.4001628	294424.0013644824	404908.548329004	3368.474022766914	3147.434249191343	3064.238011180361	3063.6143801286182	3063.6143801286182	83.81571141807395	83.81571141807395
308	29408	-168321.1413	1054417.3170250766	3679311986666812	-101.3971619	294351.9896666812	404904.1480040486	3357.5489050504563	3146.297148571031	3063.144000974978	3063.144000974978	83.1132478	83.7080643232272	83.7080643232272
309	29408	-167661.1413	1054417.3170250766	3679631343460904	-101.3954704	294826.0214744233	404903.347863189	3349.203692678053	3145.0607688387834	3062.344983405842	3061.815094782865	3061.815094782865	83.2578553234148	83.24567415591855
310	29409	-167001.1413	1054417.3170250766	3679634292722188	-101.3931242	295027.0309930094	404896.2474671304	3341.068521857796	3143.8361423974807	3061.854647861412	3061.3999574270266	3061.3999574270266	82.3148645306057	82.3148645306057
311	29409	-166341.1413	1054417.3170250766	36796354374506534	-101.390778	295293.0034301126	404882.1483128235	3333.952441187743	3142.571923221117	3061.622634304126	3061.2338634034126	3061.2338634034126	80.9564901799075	81.34526048185262
312	29402	-165681.1413	1054417.3170250766	367936577646305	-101.3884138	295429.0494284148	404888.409	3327.303909471778	3141.268919613563	3061.4952304189745	3061.1000111780286	3061.1000111780286	79.162944237851	80.1860803832442
313	29403	-165021.1413	1054417.3170250766	3679393133919494	-101.3860856	295650.0584548824	404883.949728004	3320.6725548246913	3139.859872731902	3061.2283387916914	3061.072718164489	3061.072718164489	78.7329740486782	78.88536456741314
314	29404	-164361.1413	1054417.3170250766	36793938443349446	-101.3837394	295851.0670524253	404879.850779177	3315.54112001774454	3137.554575024336	3060.9514282114287	3060.833966575836	3060.833966575836	77.6040569100771	77.75951028567275
315	29405	-163701.1413	1054417.3170250766	3679393971036332	-101.3813832	296032.0756	404875.751208841	3311.2952673904155	3137.2000303964155	3060.61254058955	3060.46545335946	3060.46545335946	76.7547466856042	76.7547466856042
316	29406	-163041.1413	1054417.3170250766	3679641093100692	-101.379047	296233.083967863	404871.65361278	3308.934816206366	3137.756729616603	3060.0623024159727	3059.916327629257	3059.916327629257	75.8604199203424	75.8604199203424
317	29407	-162381.1413	1054417.3170250766	3679642210322246	-101.3767008	296434.0920145854	404865.55540701	3306.5743451984636	3134.331296428346	3059.228525977904	3059.088254468553	3059.088254468553	75.1027113055554	75.2430415979312
318	29408	-161721.1413	1054417.3170250766	367964323630927	-101.3743546	296635.0999331052	404860.595496017	3304.2138741362905	3132.8703726877838	3057.9683329728153	3057.844265163538	3057.844265163538	74.913889496684	75.0261263242576
319	29409	-161061.1413	1054417.3170250766	3679644432	-101.3720083	296836.1052755258	404859.359770277	3305.6410273954047	3131.401193872147	3056.014284858368	3056.0192158182322	3056.0192158182322	73.989091844893	73.98197568977466
320	29410	-160401.1413	1054417.3170250766	3679645536023965	-101.3696821	297037.1151730269	404855.2622845285	3303.855911775987	3129.307490121195	3053.725958486676	3053.546450195101	3053.546450195101	72.701905251896	72.701905251896
321	29410	-159741.1413	1054417.3170250766	367964653430037	-101.3673159	297228.1224949587	404851.106543675	3316.07076	3128.492743083561	3050.9753508854237	3050.8458989183635	3050.8458989183635	72.1921887139277	72.1921887139277
322	29412	-159081.1413	1054417.3170250766	367964773	-101.3649697	297439.1296183525	404847.06804413	3321.2856073930502	3127.109650907502	3047.8982415356657	3047.845374530666	3047.845374530666	72.124183704856	72.6242905466369
323	29413	-158421.1413	1054417.3170250766	36796480263019195	-101.3626235	297640.1365434806	404842.917285917	3324.5661119637074	3125.798860927214	3044.6018104464215	3044.553455622448	3044.553455622448	81.19771564629991	81.2454403504339
324	29414	-157761.1413	1054417.3170250766	367964906433598	-101.3602773	297841.1437205658	404838.474789639	3325.914712671436	3124.5705027079896	3041.26339	3041.1639270869127	3041.1639270869127	83.0664627437695	83.0664627437695
325	29415	-157101.1413	1054417.3170250766	3679650987024305	-101.3579311	298042.149799739	404834.77849365	3327.2584313273865	3123.4059052161847	3038.0748507605917	3037.8700654893194	3037.8700654893194	85.3302445559295	85.3302445559295
326	29416	-156441.1413	1054417.3170250766	3679652064432421	-101.355849	298243.1561313762	404830.6582495027	3328.645910773946	3122.742907476714	3035.26495870037	3035.17275231217	3035.17275231217	87.15151639701	87.15151639701
327	29417	-155781.1413	1054417.3170250766	3679653136415817	-101.3537812	298452.1625815814	404828.19847819225	3329.5042765991614	3121.856727859164	3032.1452785903643	3032.1452785903643	88.162748711161	88.162748711161	
328	29418	-155121.1413	1054417.3170250766	367965403411842	-101.3508295	298645.1682024437	404822.491114165	3319.7699039326929	3120.03420723356	3031.127768021446	3030.83470331764	3030.83470331764	89.8064346921316	89.8064346921316
329	29419	-154461.1413	1054417.3170250766	367965527449275	-101.3485462	298846.17394231714	404818.395803631	3313.431401736444	3118.8991775402246	3029.5458587114748	3028.8631794456934	3028.8631794456934	90.953860545125	90.953860545125
330	294110	-153801.1413	1054417.3170250766	3679656326053853	-101.3462	299047.1794853484	404814.300734253	3307.02984052035	3117.7433715238712	3028.098675858304	3027.3850315615477	3027.3850315615477	89.6446956548087	89.6446956548087
331	29411	-153141.1413	1054417.3170250766	3679657803126097	-101.3438538	299248.1849317552	404810.2059042035	3301.650944102035	3116.562094322599	3026.694783347183	3025.91395201364	3025.91395201364	90.7481423865538	90.7481423865538
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333	294113	-151821.1413	1054417.3170250766	3679659476709544	-101.3391614	299650.19923616511	404802.619847819225	3308.1042765991614	3114.01707910381006	3024.368498672965	3024.368498672965	90.8622425360846	91.3502946	
334	294114	-151161.1413	1054417.3170250766	3679660176701519	-101.3368715	299847.1997395749	404797.92587197	3308.01457172878	3112.8567179	3022.6225571	3022.40936417046	3022.40936417046	91.4258209951097	91.4258209951097
335	294115	-150501.1413	1054417.3170250766	3679661551084356	-101.3344689	300052.2043555721	404793.829004468	3303.890551017287	3111.531083511764	3021.650089870517	3021.650089870517	90.8809964101219	91.4348426726257	91.4348426726257
336	294116	-149841.1413	1054417.3170250766	3679662582491756	-101.3321227	300253.2087220589	404789.73582519	3302.1884231591725	3110.189370383358	3020.73704088337	3018.6462061956677	3018.6462061956677	89.9566267452433	91.54317618769031
337	294117	-149181.1413	1054417.3170250766	367966306366287	-101.3297765	300454.219	404785.64602178	3302.4859913021683	3108.812621740548	3018.6926647921065	3017.01347383323	3017.01347383323	91.196664844139	91.79884357225458
338	294118	-148521.1413	1054417.3170250766	3679664632	-101.3274033	300655.2166991143	404781.5822651	3302.7355944078249	3107.400069872849	3016.9970567397518	3015.3814884203415	3015.3814884203415	90.40301131309737	92.0148145250763
339	294119	-147861.1413	1054417.3170250766	3679665649516733	-101.3250841	300856.2260050968	404777.456	3307.16997052495864	3105.948759625969	3015.0836607752617	3013.76545226197	3013.76545226197	92.8629915400718	92.8629915400718
340	294120	-147201.1413	1054417.3170250766	367966667295045	-101.3227378	301057.2242362043	404773.3214506705	3308.1233972914529	3104.631288378378	3012.779729614529	3011.821312690377	3011.821312690377	92.61181469006	92.61181469006
341	294121	-146541.1413	1054417.3170250766	3679667671535677	-101.3203816	301258.2278260035	404770.278098633	3309.178396809233	3102.944389540398	3010.2519635468	3009.45329388468	3009.45329388468	93.8090596444999	93.8090596444999
342	294122	-145881.1413	1054417.3170250766	3679668675458324	-101.3180454	301459.2302553397	404765.179	3307.303857	3101.393240539807	3007.3424020249645	3006.36536868596	3006.36536868596	94.0500381484233	95.027618531722
343	294123	-145221.1413	1054417.3170250766	3679669675423105	-101.3156992	301660.2328583515	404761.086782104	3307.983336383664	3099.80787943681	3003.795869413913	3003.0805614550217	3003.0805614550217	94.0500381484233	96.7271380086617
344	294124	-144561.1413	1054417.3170250766	367967067057494	-101.313353	301861.2366378103	404756.995089528	3307.76576930143	3098.528980628	3002.65182980628	3001.7334383246	3001.7334383246	95.821965	95.821965
345	294125	-143901.1413	1054417.3170250766	3679671661	-101.3110067	302062.2932533573	404753.930830808	3317.6319520306847	3096.5258551992	3000.739106761735	2995.1478772946	2995.1478772946	90.75098875618	91.033694790458
346	294126	-143241.1413	1054417.3170250766	3679672647516148	-101.3088065	302263.2147633877	404748.81247768	3309.4581924768	3096.4581924768	3000.339170035526	2993.760254982317	2993.760254982317	90.8453943681718	91.5489123516815
347	294127	-142581.1413	1054417.3170250766	36796736429886343										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatThKgr.f	SatThBn.f
431	398	29421	-871.4113133	1054471.3170250766	39.770389960544476	-101.109229	319347.7623	4044041.939899813	2922.8670551261063	2895.365807390087	2880.230172992651	2879.6142553650157	15.135407738257527	15.7513536589938
432	398	29422	-8648.14133	1054471.3170250766	39.7704462295264	-101.106831	31948.748700055	4043397.569485528	2918.2544206982354	2894.459006193234	2878.199592595277	2874.6756549484478	19.2594139113467	19.783351967944782
433	398	29423	-8582.14133	1054471.3170250766	39.77041940026698	-101.104568	319749.7324609625	4043933.799	2914.641406192545	2894.52429416106	2878.367902256147	2874.367902256147	21.788269389292054	21.788269389292054
434	398	29424	-8516.14133	1054471.3170250766	39.7704761187671	-101.102195	319950.7214467791	4043389.279181755	2909.0285812752372	2892.450179576886	2868.537619008994	2868.1961106	23.2336666666667	23.58040024335482
435	398	29425	-8450.14133	1054471.3170250766	39.77042253832627	-101.0998442	32015.7074232075	4043385.6912085	2907.7965003442473	2891.365367471827	2867.89579655019	2867.6208405799985	24.05779092166813	24.73327689182972
436	398	29426	-8384.14133	1054471.3170250766	39.77042831944615	-101.097498	320352.6932289184	4043381.589827358	2891.1655362907763	2886.658311357945	2866.4541630055974	24.507224481901766	24.71743240178926	24.71743240178926
437	398	29427	-8318.14133	1054471.3170250766	39.770434055276	-101.095157	320553.6789897366	4043377.520750054	2912.08638571902	2889.26511432408	2865.846935988145	2865.7065707860736	24.542593474259347	24.684843563433405
438	398	29428	-8252.14133	1054471.3170250766	39.77043945695611	-101.092804	320754.6640004867	4043373.45100808	2914.23204455129	2889.624592	2865.615614873693	2864.961112440033	24.008977300120478	23.96347737898705
439	398	29429	-8186.14133	1054471.3170250766	39.77044539082414	-101.090459	320955.6498271034	4043369.368266481	2898.861936572867	2886.926635414003	2866.3791685517382	2864.767516525451	23.9404751588035	23.9404751588035
440	398	29430	-8120.14133	1054471.3170250766	39.770450995228	-101.088123	321156.3490899176	4043363.31405224	2934.29265815907	2888.104241815915	2879.702002998908	2867.465343839593	20.14031817774885	20.63880327625569
441	398	29431	-8054.14133	1054471.3170250766	39.7704565409146	-101.085766	321357.61958838316	4043361.25476306	2945.95117764156	2888.041742528401	2868.68728437112	2867.179625880618	18.667173681169515	18.667173681169515
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443	398	29433	-7922.14133	1054471.3170250766	39.77046751803749	-101.0810741	321759.58939584246	4043353.00881958	2968.3324559205735	2885.88695349873	2871.7241453309285	2871.061463309285	14.162549935932475	14.825232040588162
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458	398	29448	-6932.14133	1054471.3170250766	39.77054405309765	-101.0458799	324774.3381921664	4043292.10732633	2960.7674535769663	2879.621344144161	2873.65095234524	2875.5920437698037	4.97035890470519	4.029300374357263
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465	398	29455	-6470.14133	1054471.3170250766	39.77057652320776	-101.029456	326181.207591591203	4043263.678	2960.7674535769663	2879.621344144161	2873.65095234524	2875.5920437698037	4.97035890470519	4.029300374357263
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469	398	29459	-6206.14133	1054471.3170250766	39.7705936668166	-101.0200708	326985.126968072	4043247.42960135	2960.7674535769663	2879.621344144161	2873.65095234524	2875.5920437698037	4.97035890470519	4.029300374357263
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473	398	29463	-5942.14133	1054471.3170250766	39.7706107305769	-101.0106813	327789.052305769	4043231.19	2960.7674535769663	2879.621344144161	2873.65095234524	2875.5920437698037	4.97035890470519	4.029300374357263
474	398	29464	-5876.14133	1054471.3170250766	39.7706144121894	-101.0083394	327990.0281488917	4043227.125287847	2960.7674535769663	2879.621344144161	2873.65095234524	2875.5920437698037	4.9703589047051	

ix	iy	ic	X.Rt	Y.Rt	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt	BRIElevKgr.f	BRIElevBothKgr.f	SatThkLog.s	f	SatThkBoth.f
55	294337	-3881.141327	-0054417.310250766	39.7079324981831	-00.13159973	344670.5726989758	4043890.9468972385	2962.5885977506405	2753.515523024297	2767.892156826948	2767.454953028168	0			
558	294338	-3321.141327	-0054417.310250766	39.70793505006085	-00.811251	344871.718753487	4043886.90661737	2953.60066073687	2750.8548351625195	2769.4530563622297	2769.1995714959748	0			
559	294339	-3661.141327	-0054417.310250766	39.7079350623994	-00.808947	344627.6484691824	4043878.20871467075	2769.8208791467075	2769.8208791467075	2769.8208791467075	2769.8208791467075	0			
560	294340	-2001.141327	-0054417.310250766	39.7079386614254	-00.8065584	345273.6504511398	4043875.682775627	2757.771058991472	2745.577728504249	2768.855670119883	2768.7727176680284	0			
561	294341	-1341.141327	-0054417.310250766	39.70793869822015	-00.8042121	345474.6160218655	4043874.787213723	2930.130690890628	2742.9619105381084	2765.937968684264	2766.2941777638877	0			
562	294342	-681.1413269	-0054417.310250766	39.70779405	-00.8018659	345675.5814798784	4043870.748	2922.5403228004525	2740.3607298031457	2761.9321043737837	2762.391801	0			
563	294343	-21.14132693	-0054417.310250766	39.7079407448804	-00.7995196	345876.54678901844	4043868.708087811	2913.919529437139	2737.774093529297	2757.3563937193775	2758.0155783010514	0			
564	294344	638.85867303514	-0054417.310250766	39.707940532746	-00.7971733	345911.5119496147	4043862.67	2904.268310806157	2737.201509651609	2752.7421398671154	2753.138533540247	0			
565	294345	1298.85867303514	-0054417.310250766	39.7079389673023	-00.7984827	345678.4786618717	4043861.35358043	2894.6177052175175	2734.8417028549004	2748.7760078786956	2748.1409275496904	0			
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567	294347	2618.85867303514	-0054417.310250766	39.707937164854	-00.7901344	346860.4065	4043850.555	2879.9508216558843	2727.5614376589438	2744.3539662250525	2744.573268674007	0			
568	294348	3278.85867303514	-0054417.310250766	39.707935111124	-00.7877881	346881.371106774	4043846.516980367	2879.571936510188	2725.0415664819698	2743.750197288043	2743.8680686726616	0			
569	294349	3878.85867303514	-0054417.310250766	39.7079362742986	-00.7854418	347082.3355164505	4043842.479326337	2879.193051364512	2722.5356930367398	2743.675504441424	2743.780027050337	0			
570	294350	4598.8586730351	-0054417.310250766	39.7079297404375	-00.7830955	347283.2990534027	4043841.41924138	2878.814166218836	2720.043896054763	2743.6095723384688	2743.865279369679	0			
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572	294352	5918.8586730351	-0054417.310250766	39.7079225165242	-00.7784029	347685.227911562	4043830.367304802	2870.02323951044	2715.1045503820863	2743.260632	2743.549913749792	0			
573	294353	6578.8586730351	-0054417.310250766	39.7079182246031	-00.7765068	347886.1917445014	4043826.33133949	2864.35405487742	2712.658901301726	2742.526441054433	2742.92679138401	0			
574	294354	7238.8586730351	-0054417.310250766	39.7079134737324	-00.7737103	348087.15540399324	4043822.295	2858.645791	2710.2306067701475	2741.3706251500994	2741.965839239406	0			
575	294355	7898.8586730351	-0054417.310250766	39.7079082808318	-00.771364	348288.1189712087	4043818.258469818	2854.0903611694166	2707.81979047039	2739.903228621327	2740.5228489785503	0			
576	294356	8558.8586730351	-0054417.310250766	39.707906289819	-00.7690177	348489.0823653557	4043814.222496529	2850.0617677926736	2705.4265965957275	2738.097728963586	2738.7543954460186	0			
577	294357	9238.8586730351	-0054417.310250766	39.707906583222	-00.7667744	348690.045613674	4043810.18672407	2847.2851746759297	2703.051835712617	2736.190271846551	2736.621364154166	0			
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579	294359	10538.8586730351	-0054417.310250766	39.707892653574	-00.7623193	349093.1680123584	4043802.423235876	2839.311601423584	2700.1860351415385	2734.7169032125057	2734.7169032125057	0			
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581	294361	11858.8586730351	-0054417.310250766	39.707867508082	-00.7572863	349493.897152497	4043784.06217458	2820.1656854271268	2683.76869927104	2727.846524450474	2727.846524450474	0			
582	294362	12518.8586730351	-0054417.310250766	39.707859138126	-00.754594	349694.856743053	4043790.01679063	2811.359459675652	2691.507834224505	2724.745735276586	2725.789960185649	0			
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587	294367	15818.8586730351	-0054417.310250766	39.70781054020226	-00.7432085	350699.67011950526	4043769.842573564	2789.068694893043	2680.602353115039	2719.055851860991	2720.05364530247	0			
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589	294369	17138.8586730351	-0054417.310250766	39.70778790375886	-00.7385159	351101.5933905894	4043761.77660363	2785.7452743855533	2676.433566091477	2718.0238834616475	2719.2806728641003	0			
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591	294371	18458.8586730351	-0054417.310250766	39.70776345408365	-00.7339233	351503.5158992414	4043753.71590704	2781.2505491893034	2672.3731768862284	2716.007396889585	2717.32826896107	0			
592	294372	19118.8586730351	-0054417.310250766	39.7077514592817	-00.7314717	351704.4770349515	4043749.6730815	2779.426190732676	2670.3821934095056	2714.697338495051	2716.007396889585	0			
593	294373	19778.8586730351	-0054417.310250766	39.7077391711706	-00.7293307	351905.408169836	4043745.67534489	2778.2417722650757	2668.41645	2712.831593231766	2714.535788818887	0			
594	294374	20438.8586730351	-0054417.310250766	39.7077233797504	-00.7267844	352106.398189527	4043741.615849195	2769.23738301432	2666.475041285647	2710.5493661091514	2712.066811535179	0			
595	294375	21098.8586730351	-0054417.310250766	39.70770911502076	-00.7244381	352307.3594749423	4043737.584	2765.35636254761	2664.558024450925	2707.4829796240774	2709.128591668956	0			
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599	294379	23738.8586730351	-0054417.310250766	39.707651533729	-00.7150975	353110.48102956	4043721.48102956	2751.48102956	2657.1114821961	2694.845127184	2696.0453231429	0			
600	294380	24398.8586730351	-0054417.310250766	39.70763009173564	-00.7127607	353312.1606381244	4043717.430966432	2748.240335426493	2655.216673975454	2692.874866529738	2698.608693883896	0			
601	294381	25058.8586730351	-0054417.310250766	39.7076140715124	-00.7103604	353513.1204482261	4043713.40069756	2735.879162052282	2653.3930010467343	2693.04828285538	2684.277397801693	0			
602	294382	25718.8586730351	-0054417.310250766	39.7075996	-00.7080141	353714.0801179204	4043709.371112032	2732.74892025145	2651.5820589666087	2678.624392513877	2679.89816426851	0			
603	294383	26378.8586730351	-0054417.310250766	39.707587805564	-00.7056878	353915.03684611335	4043705.34193247	2726.963058946117	2649.78272466007	2674.226094	2675.50678038638	0			
604	294384	27038.8586730351	-0054417.310250766	39.7075603354424	-00.7033215	354115.999034073	4043701.312313393	2723.663518460274	2647.963963690997	2672.86825655192	2671.375680233277	0			
605	294385	27698.8586730351	-0054417.310250766	39.7075451537229	-00.7016817	354316.9582818124	4043697.283	2721.363582221367	2645.2146984893065	2668.967878	2668.613778917786	0			
606	294386	28358.8586730351	-0054417.310250766	39.7075284568	-00.6996289	354517.917	4043692.2547043	2722.06357585987	2644.443424551867	2661.2252241289543	2662.1871379082	0			
607	294387														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevWtKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
683	294463	79178.8586730335	10554417.310250766	39.76786652892	-105.017965	369991.3651	4043383.753461366	2730.356820467434	2598.592421672434	2592.290729592052	2593.7868822545056	61.6620282181944	4.880553494	
684	294464	79838.8586730335	10544417.310250766	39.767404552125	-105.019682	370192.315907482	4043377.743266977	2729.884710700123	2599.530431634873	2590.286960342136	2590.39653060659452	93.24398053726439		
685	294465	80498.8586730335	10544173.10250766	39.76446993022	-105.013279	371598.862935519	4043375.73310379	2729.412621672584	2599.459812454368	2598.172321944575	2598.255695135693	14.286373889333	14.223424954790442	
686	294466	81158.8586730335	1054417.310250766	39.7045135	-105.010522	370584.212536747	4043371.724	2728.940522751684	2601.299996246743	2581.820052164414	2581.9472014484413	19.470044460259943	19.3527951762303	
687	294467	81818.8586730335	1054417.310250766	39.704557938188	-105.0588	370795.15971555316	4043367.714	2725.039385276323	2602.0680760317623	2577.302300388174	2577.4828592545468	24.7865756324495	24.58479007721371	
688	294468	82478.8586730335	1054417.310250766	39.7044018706865	-105.056237	370996.1080544483	4043363.704871355	2602.754387792113	2572.643564082337	2572.8943471163572	2572.903138387928	29.86004467537764	29.86004467537764	
689	294469	83188.8586730335	1054417.310250766	39.7073442115159	-105.038874	371197.05627057096	4043359.69678878	2710.381771165335	2603.39478845672	2567.9282877033174	2567.9282877033174	35.42151070536622	35.1074439538204	
690	294470	83798.8586730335	1054417.310250766	39.704286826602	-105.051411	371388.0403641247	4043358.80710258	2703.052696080568	2603.843712992869	2563.2314408717267	2563.605445772941	40.61227211574305	40.23826721992973	
691	294471	84548.8586730335	1054417.310250766	39.7042291005022	-105.0499149	371598.862935519	4043351.678575402	2729.412621672584	2599.459812454368	2598.172321944575	2598.255695135693	14.286373889333	14.223424954790442	
692	294472	85118.8586730335	1054417.310250766	39.704170665417	-105.0495489	371799.901844473	4043347.67262673	2704.953441377323	2594.4489827502963	2554.3476584957654	2554.766527756584	41.1177905221195	41.6920095717976	
693	294473	85778.8586730335	1054417.310250766	39.7041121762789	-105.04945023	372000.8471142534	4043343.675076291	2708.636363640845	2604.6293424667923	2550.4023426667923	2550.393913	52.2247104803373	53.69044016195382	
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695	294475	87098.8586730335	1054417.310250766	39.7039934388455	-105.048908	372399.330045594	4043335.64848017	2717.19878194785	2604.53983546539	2544.4753787699733	2544.74844821576	60.0645047765653	60.0645047765653	
696	294476	87758.8586730335	1054417.310250766	39.7033933017744	-105.0474635	372603.6903630251	4043331.639114465	2723.138435276323	2604.31317559584	2542.67115418315	2543.17386523168	61.64289727466204	61.64289727466204	
697	294477	88418.8586730335	1054417.310250766	39.7032728882063	-105.0485172	372804.6370463633	4043327.634212496	2727.9078077157555	2603.9743968193035	2542.018620444147	2542.384142525986	61.87233477461581	61.5962519534442	
698	294478	89078.8586730335	10544173.10250766	39.70381193233346	-105.042771	37305.58472478196	4043323.625525695	2735.017128972636	2603.520219496302	2542.5571386027327	2542.708906031373	60.72090893297516	60.82030892892965	
699	294479	89738.8586730335	1054417.310250766	39.70375052435924	-105.0480427	373206.531724483	4043318.618920429	2735.017128972636	2602.986962464843	2543.912871488897	2543.964310548188	60.97408097955658	60.97408097955658	
700	294480	90388.8586730335	1054417.310250766	39.7037686624831	-105.0478074	373407.47860386126	4043315.612549885	2737.413965572696	2602.35654626685	2545.816411402403	2545.693723864855	65.3973238648256	65.6667708993507	
701	294481	91058.8586730335	1054417.310250766	39.7036263473057	-105.0475732	373608.4253625474	4043311.60639874	2742.18423854855	2601.646780538045	2548.0079683933346	2548.02712993274726	63.538816694469824	63.528485171021884	
702	294482	91718.8586730335	1054417.310250766	39.7035636	-105.0473389	373809.3720013724	4043307.60491625	2742.812501159415	2600.865406482037	2550.293737320017	2550.03204720735	65.04737838631376	65.037788631376	
703	294483	92378.8586730335	1054417.310250766	39.70350035704716	-105.0470396	374010.3186207995	4043303.94821502	2747.317959051453	2600.0121472522575	2552.2596303248201	2552.227082283926	67.4682873428201	67.4682873428201	
704	294484	93038.8586730335	1054417.310250766	39.70343691963	-105.0469834	374211.264915905	4043299.589	2747.0332654387367	2599.0177477407133	2554.24745498747	2554.749052272994	67.447203975	67.447203975	
705	294485	93698.8586730335	1054417.310250766	39.703385455846	-105.0468234	374422.5021573545	4043295.5841982478	2748.1519824974376	2598.01719824974376	2554.5988272	2554.5988272	67.447203975	67.447203975	
706	294486	94358.8586730335	1054417.310250766	39.703308	-105.0464008	374613.1579372376	4043291.570239266	2735.54452522982	2597.163576253	2558.081940305347	2557.615695361936	39.0916721390427	39.0487142634537	
707	294487	95018.8586730335	1054417.310250766	39.7032429	-105.04616546	374814.1034011326	4043287.574521027	2736.542123814846	2596.122437504548	2557.934670456438	2557.934670456438	39.187756331101355	39.5496174013049	
708	294488	95678.8586730335	1054417.310250766	39.703177448632	-105.0459303	375015.0493236827	4043283.570041126	2737.2420093909984	2595.036024643704	2558.067801782456	2557.049234081681	36.9681622612488	37.9865738270925	
709	294489	96338.8586730335	1054417.310250766	39.7031115070511	-105.0456921	375215.951757815	4043279.56579091	2738.913175554174	2593.911375554174	2559.91276781218	2559.91276781218	34.71866793430545	34.71866793430545	
710	294490	96998.8586730335	1054417.310250766	39.7030451121665	-105.04546158	375416.9408	4043275.561794907	2739.616016	2592.751136991091	2559.3324274529	2559.3324274529	34.81800416662514	34.81800416662514	
711	294491	97658.8586730335	1054417.310250766	39.702978783	-105.0452289	375617.88862528748	4043271.59882528748	2740.329583392748	2591.57583	2559.1385347496528	2559.1385347496528	33.42778166591037	33.42778166591037	
712	294492	98318.8586730335	1054417.310250766	39.70291092497	-105.0449233	375817.8182940615	4043267.54500544	2742.9815971981608	2590.338323156505	2557.505932	2557.505932	33.196139054891	33.196139054891	
713	294493	98978.8586730335	1054417.310250766	39.70283420771324	-105.044577	376019.7771607509	4043263.551201058	2742.666955054455	2589.08025938205	2556.46694115415	2556.203362406977	32.76132127739024	32.76132127739024	
714	294494	99638.8586730335	1054417.310250766	39.702774999628	-105.0443207	376220.7224	4043259.58157958	2742.351574417222	2588.799371696428	2555.3198481575478	2555.10851475478	32.4963378802133	32.6903840672058	
715	294495	100298.8586730335	1054417.310250766	39.7027063324516	-105.0442845	376401.6674077636	4043255.5453561	2748.22434366795	2586.49224459922	2554.15334959347	2554.002719693449	32.33899287057364	32.4899227905776	
716	294496	100938.8586730335	1054417.310250766	39.7026372252716	-105.04405832	376622.612549758	4043251.54750685	2746.671702	2585.160156265958	2553.361894319172	2553.34784818154	31.635366791671248	31.635366791671248	
717	294497	101618.8586730335	1054417.310250766	39.702567655544	-105.0438192	376832.551784781	4043247.50426515	2746.91916093295	2583.0422885724	2552.272344705056	2552.313746224838	31.5130338756134	31.2728516381564	
718	294498	102278.8586730335	1054417.310250766	39.7024974342626	-105.0435457	377044.5021573545	4043243.538	2747.0192138134	2581.424974520623	2551.454974520623	2551.454974520623	31.1403264252623	31.1403264252623	
719	294499	102938.8586730335	1054417.310250766	39.70242715568124	-105.0433494	377225.445786346	4043239.56340503	2747.0192138134	2580.02429514634	2550.514540439834	2550.514540439834	30.667791705047	30.4083938	
720	294500	103598.8586730335	1054417.310250766	39.70235623180106	-105.0431152	377426.3912814494	4043235.53438117	2747.0192138134	2579.597301362245	2549.29697238476	2549.29697238476	30.2967307745433	30.3485079779986	
721	294501	104258.8586730335	1054417.310250766	39.7022848506221	-105.0428869	377627.336694722	4043231.53345112	2747.0192138134	2578.150445565678	2548.36352946216	2548.36352946216	29.7603939775015	29.7270181285043	
722	294502	104918.8586730335	1054417.310250766	39.7022130161447	-105.0426407	377828.2799744321	4043227.532	2747.0192138134	2576.682751077885	2547.709735650958	2547.709735650958	29.87301542730077	29.8087632020633	
723	294503	105578.8586730335	1054417.310250766	39.702140728366	-105.0424114	378029.2241388201	4043213.3190618	2747.0192138134	2575.1950826502667	2547.042779880803	2547.042779880803	28.1250685693824	28.12828714	
724	294504	106238.8586730335	1054417.310250766	39.70207675544	-105.0421762	378230.186176489	4043219.503717138	2746.90572158129	2573.688197	2546.77541892642	2546.77541892642	26.8934841775266	26.8934841775266	
725	294505	106938.8586730335	1054417.310250766	39.7020079142835	-105.0419344	378432.1530281481	4043215.3326154	2746.90572158129	2572.51383529244	2545.71383529244	2545.71383529244	26.8934841775266	26.8934841775266	
726	294506	107638.8586730335	1054417.310250766	39.7019214525024	-105.0417682	378632.551784781	4043211.530067372	2746.90572158129	2571.61150017501	2544.25069582626	2544.3570825039	25.3184610937851	25.0477029106323	
727	294507	108218.8586730335	1054417.310250766	39.7018470428125	-105.0414724	378832.9996248135	4043207.530123666	2747.0192138134	2569.041565889458	2546.05790071512	2546.153036395907	22.96826527337		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.ft	W.Lt.	BR ElevLogKgr.ft	BR ElevBothKgr.ft	SatHtBoth.ft
69	294589	-320601.1413	1055077.3170250766	39.76707534429511	-01.9585952	246581.6203682222	40406092.66684931	3638.679130799133	3405.6583992839123	3416.319862846578	3416.319862846578	34.932248368512944
70	294590	-325401.1413	1055077.3170250766	39.7670971533936	-01.9562132	2467.682781078103	4040608.50	3636.2942261724034	3414.6891781091567	3414.6891781091567	34.537402650324	35.2430352127262
71	294591	-320741.1413	1055077.3170250766	39.76712004117006	-01.9536872	246893.74687889166	40406084.35048333	3630.402659145133	3417.790578978383	3415.16289624	3412.396524	34.6236894846333
72	294592	-324081.1413	1055077.3170250766	39.76716231426044	-01.9515212	2471.8448097876092	4040608.19266582	3622.0073230792433	3446.370972992433	3411.180144693079	3410.99124390995	34.58906204163615
73	294593	-323241.1413	1055077.3170250766	39.76716456567606	-01.9491752	2473.85740556606	4040607.635	3613.611021600393	3444.949291286221	3440.458978292453	3440.740287089863	34.4143129937682
74	294594	-322761.1413	1055077.3170250766	39.76716674658416	-01.9468292	2475.866304617186	4040607.87776646	3605.214719343323	3443.515611127417	3440.373935	3408.624217681773	34.37625655672
75	294595	-322101.1413	1055077.3170250766	39.76720889107511	-01.9444832	2477.987912344454	4040607.20862121	3601.127414584408	3442.056997205694	3408.45152371456	3407.915243569422	32.60545334508204
76	294596	-324114.1413	1055077.3170250766	39.76723008044444	-01.9421371	2479.890593389787	4040603.56340794	3601.349487465416	3440.556832775934	3407.63203506654	3407.093794735839	32.92479426733916
77	294597	-320781.1413	1055077.3170250766	39.76723008044444	-01.9397911	2481.901126992588	4040603.74422656	3603.571453628915	3438.93515602486	3406.961598330414	3406.468781	32.633191712070738
78	294598	-320112.1413	1055077.3170250766	39.7672705261789	-01.937451	2483.911821	4040605.25088391	3601.793374509337	3437.340225676387	3405.35669109627	3405.85513576567	31.4847036897832
79	294599	-319461.1413	1055077.3170250766	39.76729701582195	-01.9350991	2485.92247969181	4040601.90471719	3598.36670930334	3435.565337	3405.851035933173	3405.4431887717833	31.7011523892573
80	294600	-318801.1413	1055077.3170250766	39.7673189370422	-01.9327531	2487.934304917211	4040604.938093095	3585.2916627735045	3433.6345407815697	3405.38852880526	3405.4578835729	28.24597401034564
81	294601	-318141.1413	1055077.3170250766	39.76734062654635	-01.9304071	2489.94368631221	4040602.783284857	3574.251657384076	3431.515575414575	3404.827701544793	3404.8073380087265	24.707673405848345
82	294602	-317481.1413	1055077.3170250766	39.76736263503154	-01.9280611	2491.954252874104	4040603.62	3563.144102549252	3429.184366116066	3403.829746	3404.102314645622	25.0826176981457
83	294603	-316821.1413	1055077.3170250766	39.76738441541971	-01.9257191	2493.96484680355	4040603.47276609	3558.19005489585	3426.834370433653	3401.677588228434	3402.323919173556	24.56675881492798
84	294604	-316161.1413	1055077.3170250766	39.76740615201428	-01.9233691	2495.97545385193	4040603.21781197	3552.36247468728	3423.8737018661404	3398.355758804687	3399.45718554183	24.141623311957613
85	294605	-315501.1413	1055077.3170250766	39.76742784328982	-01.921023	2497.9846051	4040602.62202515	3558.354800813714	3420.92806438459	3394.5762655071626	3393.39400447816	23.90554093127655
86	294606	-314841.1413	1055077.3170250766	39.76744904837286	-01.918677	2499.964649591005	4040600.28187568	3558.73272690417	3417.833483819276	3391.00501593546	3389.180231197526	26.82646742826293
87	294607	-314181.1413	1055077.3170250766	39.76747108986564	-01.916331	2502.007326801298	4040607.85463819	3568.504099738804	3414.6223203761065	3387.5290898752874	3390.1350358562	27.0941300061912
88	294608	-313521.1413	1055077.3170250766	39.76749264517184	-01.913985	2504.00178261731687	4040603.701	3565.03464934384	3411.31027868689	3384.352899443128	3387.04180159093	26.79473074584371
89	294609	-312861.1413	1055077.3170250766	39.76751415515584	-01.911638	2506.002413080386	4040609.504794362	3561.528788933067	3407.980146370895	3381.618758197804	3382.49021890015	23.5521245707405
90	294610	-312201.1413	1055077.3170250766	39.7675361981759	-01.9092929	2508.00389572477	4040605.39364628	3558.022952846645	3404.50756547598	3379.14716308468	3382.005841447975	25.46067253917029
91	294611	-311541.1413	1055077.3170250766	39.76755825157865	-01.906928	2510.004861930465	4040604.4283654	3559.85492126131	3381.947532851659	3379.14716308468	3382.005841447975	25.46067253917029
92	294612	-310881.1413	1055077.3170250766	39.76757841317419	-01.9046009	2512.00610592781	4040607.46755616	3557.274902420047	3397.82670197419	3375.0988577991745	3379.5734701717594	22.7270238204442
93	294613	-310221.1413	1055077.3170250766	39.7675997186889	-01.9022549	2514.0073691832	4040592.93470926	3541.2781675174426	3394.474920426201	3378.21479135275034	3378.21479135275034	20.790719525097533
94	294614	-309561.1413	1055077.3170250766	39.76762102541354	-01.899908	2516.00810707255	4040598.78230948	3535.281432594073	3391.085916643647	3371.816135926582	3377.8893532530964	19.27245573706444
95	294615	-308901.1413	1055077.3170250766	39.76764293291286	-01.8975628	2518.00918826515	4040594.63	3529.849698495642	3387.755409630467	3370.488661709344	3374.76676802534	16.27079252102832
96	294616	-308241.1413	1055077.3170250766	39.7676634	-01.8952168	2520.012452560195	4040590.478	3524.97418180854	3384.456835224023	3369.043960576444	3371.945727910471	15.412874547556858
97	294617	-307581.1413	1055077.3170250766	39.7676846242362	-01.8928077	2522.01301814968	4040591.3634937	3520.18248894157	3381.193875740867	3367.778510445717	3370.8737856525782	13.52041088288554
98	294618	-306921.1413	1055077.3170250766	39.7677057055059	-01.8905247	2524.01358522307	4040592.71896298	3520.2305464947	3377.9434355573	3365.173306871358	3369.6393531026	11.821112964473208
99	294619	-306261.1413	1055077.3170250766	39.767726226564	-01.8881787	2526.01416498816	4040593.32051086	3513.343781525268	3374.780435991623	3364.581005082656	3363.051228649447	10.191430811362618
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101	294621	-304941.1413	1055077.3170250766	39.76776873981706	-01.8834866	2530.015264381826	4040592.71890323	3515.99234589686	3368.51432627132	3361.418658988648	3364.163539305459	7.05966463848368
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105	294625	-302301.1413	1055077.3170250766	39.76785211047675	-01.8741024	2538.017499248414	4040593.121827219	3518.601830953929	3356.3511528062	3352.558088	3354.9384278173434	3.705740459191703
106	294626	-301641.1413	1055077.3170250766	39.76787298054704	-01.8717564	2540.0201805228603	4040593.97174403	3518.71152051402	3353.35196943026	3349.7310635237072	3352.558088	3.705740459191703
107	294627	-300981.1413	1055077.3170250766	39.76789384672438	-01.8694103	2542.0218581073134	4040594.82244757	3518.426105721397	3349.507457565453	3346.757032033315	3347.905809550789	3.61734622117096
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111	294631	-298341.1413	1055077.3170250766	39.76797306371535	-01.8600849	2550.026497989834	4040593.44799834	3514.392874352578	3341.498600909256	3338.31122449486	3338.31122449486	2.585998113865207
112	294632	-297681.1413	1055077.3170250766	39.76799375765165	-01.8578081	2552.027123611362	4040594.107993819	3514.44041135256	3335.594879224105	3333.035362867532	3330.809213	2.585998113865207
113	294633	-297021.1413	1055077.3170250766	39.76801678900445	-01.855334	2554.0287164468156	4040595.93175033	3513.741677482333	3334.637942730004	3328.48882	3327.2886271911257	2.585998113865207
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116	294636	-295041.1413	1055077.3170250766	39.76807797276181	-01.8482958	2560.03350301826	4040597.48989367	3514.276491239703	3323.728722772646	3317.0447060551687	3317.0447060551687	2.585998113865207
117	294637	-294381.1413	1055077.3170250766	39.76809833374724	-01.8459498	2562.0322365	4040593.942818851	3514.276491239703	3323.728722772646	3317.0447060551687	3317.0447060551687	2.585998113865207
118	294638	-293721.1413	1055077.3170250766	39.7681182	-01.8436037	2564.03371028584	4040598.196193068	3514.0705445556				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	W.Lt	BRiEveLogs.kg.f	BRiEveBoth.kg.f	SatThLogs.f	SatThBoth.f
195	294715	-242901.1413	105507.7310250766	39.76953718322008	-101.662632	271913.7065202007	404555.7063548793	394.390115310069	3297.476934338967	3249.957918726963	3250.379924471037	47.09700968794951	
196	294716	-242221.1413	105507.7310250766	39.76953453405512	-101.6606071	27211.7401989374	404556.507761309	348.140500682807	3296.517226216438	3248.496203150105	3248.059584404138	48.02097190142716	48.3127237183871
197	294717	-241881.1413	105507.7310250766	39.76953740507686	-101.6584298	27237.7723264917	404552.360361616	347.890090854928	3295.571726110333	3247.855347	3246.545334648905	47.953547	48.02097190142716
198	294718	-240921.1413	105507.7310250766	39.76960702805455	-101.6559147	27255.168063247023	404553.255113806	3469.641259602735	3294.506700612333	3245.546700765087	3245.037770750987	48.00681710074551	48.395765371370126
199	294719	-240261.1413	105507.7310250766	39.76960352402884	-101.6535686	272717.837146949	404554.126313778	347.7558651991964	3293.638020113016	3245.622763095504	3244.259300244386	48.01525701571052	48.3787198663813
200	294720	-239601.1413	105507.7310250766	39.76962003138293	-101.6512224	272918.871787136	404554.999433219	3472.2345866486	3292.678412328794	3244.18740091332	3243.808232870395	48.0149113148759	48.87017352324239
201	294721	-238941.1413	105507.7310250766	39.76963465036584	-101.6488763	273119.9042	404555.87261117	3476.371321050740	3291.717963399517	3243.467456673006	3243.751475892528	48.2505672965108	47.9650181024984
202	294722	-238281.1413	105507.7310250766	39.76963763337206	-101.6465301	273320.936145481	404554.767242635	3481.192053476112	3290.751446832346	3242.7027323219	3243.204858972819	47.98117350515546	47.5502587008318
203	294723	-237621.1413	105507.7310250766	39.769669196372966	-101.6441838	273521.968594844	404557.8207392825	3488.193653769285	3289.567128617688	3242.66697208143	3242.596988127678	47.91867703577066	47.11867703577066
204	294724	-236961.1413	105507.7310250766	39.76965440474444	-101.6418378	273732.0000521474	404559.40498468	3490.933215353037	3288.904893371843	3241.435106683965	3242.05793748528	47.96917253485	46.7489646
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206	294726	-235641.1413	105507.7310250766	39.76971795341697	-101.6371454	274125.0628	404555.224422035	3500.935395853077	3286.7086254230303	3239.104096219335	3240.586489890965	47.60452939963679	47.12309531206159
207	294727	-234981.1413	105507.7310250766	39.76973115111996	-101.6347993	274326.038618223	404551.11997477	3504.914290358137	3285.12388129662	3236.75386566076	3237.080987104504	48.78480347358612	48.431401192185
208	294728	-234321.1413	105507.7310250766	39.76975023148041	-101.632451	274527.124684047	404556.196421668	3507.870934794793	3284.21984579413	3233.5920446507893	3233.59457941797	50.6277919261175	50.47398906542398
209	294729	-233661.1413	105507.7310250766	39.76976530252226	-101.6301069	274728.1556447763	404562.189898588	3510.82757923415	3282.878193913474	3229.95375623678	3229.921680507994	52.99661340867996	52.99661340867996
210	294730	-233001.1413	105507.7310250766	39.76978230823748	-101.6277768	274929.1856316702	404568.745592702	3515.78422368818	3281.5162257118623	3226.006155278984	3225.842765247711	55.67340464115094	55.67340464115094
211	294731	-232341.1413	105507.7310250766	39.76979830826267	-101.6254148	275130.2158207799	404564.621541801	3518.96488055522	3280.144838758926	3221.907437128578	3221.493841358485	58.1627795040868158	58.1627795040868158
212	294732	-231681.1413	105507.7310250766	39.76981424368798	-101.6230684	275331.2458	404550.049773278	3517.4289483377278	3278.727983351565	3217.619238074523	3217.90426745418	61.52336025970415	61.67778158973455
213	294733	-231021.1413	105507.7310250766	39.76983013342316	-101.6207223	275532.2744273804	404563.347617124	3518.8202137	3277.404015738264	3213.182781520025	3212.50466607337	64.2212342182326	64.8991396992731
214	294734	-230361.1413	105507.7310250766	39.76984598	-101.6183761	275733.30466631	404549.251	3520.317485077057	3276.6101860868705	3208.38944494841	3207.75079760335	65.619245920425	65.284714484689
215	294735	-229701.1413	105507.7310250766	39.76986177691329	-101.6163629	275934.334240943	404548.12716893	3523.622216498318	3274.889501295776	3203.67217695118	3202.8539147670967	70.112386003560	71.8355871286794
216	294736	-229041.1413	105507.7310250766	39.76987570506815	-101.6138637	276136.3632948444	404544.0482201	3528.913074110661	3273.305462617319	3199.676065247866	3197.789758864117	73.6832718025091	74.50053764002035
217	294737	-228381.1413	105507.7310250766	39.76989657779916	-101.6113785	276338.292691954	404542.310617389	3538.115083758595	3272.479472984513	3197.517100712554	3197.47799486117	75.989477476186	76.589477476186
218	294738	-227721.1413	105507.7310250766	39.76990892019736	-101.608914	276537.4201416527	404545.759971828	3518.39780053347	3270.72858682558	3197.1205119351	3196.982438049064	73.6035711476334	73.74612429725385
219	294739	-227061.1413	105507.7310250766	39.76992451997164	-101.606452	276738.4491355038	404547.61879532	3516.8735513112373	3269.456288137354	3195.50364276538	3195.50364276538	73.6035711476334	73.74612429725385
220	294740	-226401.1413	105507.7310250766	39.76994005241899	-101.60429	276939.477	404546.516	3514.58105930484	3268.21897388228	3193.421685673459	3193.4066874154732	74.7972831476905	74.812128657
221	294741	-225741.1413	105507.7310250766	39.76995561953939	-101.6019528	277140.50526482513	404543.39426276	3512.2881873056613	3267.02269146464	3191.1785871799293	3191.08648187507	75.95378298587576	75.95378298587576
222	294742	-225081.1413	105507.7310250766	39.76997110133279	-101.599607	277341.533000713	404549.27297713	3508.995233041784	3265.873639153618	3189.016696730021	3189.701410426745	76.85649319	77.1632258888625
223	294743	-224421.1413	105507.7310250766	39.76998657779916	-101.597265	277542.56567170844	404549.27297713	3508.115083758595	3264.7911700712554	3187.517100712554	3187.517100712554	77.989477476186	78.589477476186
224	294744	-223761.1413	105507.7310250766	39.76999702805455	-101.595413	277743.30466631	404541.10393622	3508.649233041784	3263.72858682558	3185.50364276538	3185.50364276538	78.589477476186	78.589477476186
225	294745	-223101.1413	105507.7310250766	39.7700172745705785	-101.592581	277944.16495808	404546.10273505	3505.762224672505	3262.79957297877	3186.8017121610496	3186.533831607827	79.8245313862904	79.8245313862904
226	294746	-222441.1413	105507.7310250766	39.77003257523594	-101.5902219	278145.6147571379	404542.78959254	3503.827822023446	3261.771815077208102	3186.90772208102	3186.90772208102	79.8245313862904	79.8245313862904
227	294747	-221781.1413	105507.7310250766	39.77004783039356	-101.5878757	278346.6840075905	404543.66985463	3501.5497845021346	3260.84720643959	3187.130973095563	3186.905395617085	77.6123339801272	77.941810222351
228	294748	-221121.1413	105507.7310250766	39.7700630422482	-101.5855295	278547.694628327	404543.55	3500.935395853077	3259.479270242814	3187.365479919188	3187.365479919188	75.95378298587576	75.95378298587576
229	294749	-220461.1413	105507.7310250766	39.77007824724848	-101.5831833	278748.7210243334	404540.43006461	3495.307874933486	3259.066672109778	3187.579517289776	3187.579517289776	74.814580022616	74.814580022616
230	294750	-219801.1413	105507.7310250766	39.7700932304052	-101.5807372	278949.470246827	404542.310617389	3492.18920149407	3258.20091012783	3187.25070219112	3187.25070219112	73.6035711476334	73.6035711476334
231	294751	-219141.1413	105507.7310250766	39.7701083777575	-101.578481	279149.727877575	404542.310617389	3490.64029114467	3257.344572575858	3187.90681489599	3187.90681489599	73.6035711476334	73.6035711476334
232	294752	-218481.1413	105507.7310250766	39.77012343	-101.5761448	279351.798543028	404548.107425017	3486.67987919695	3256.496624	3186.053715505434	3186.053715505434	74.814580022616	74.814580022616
233	294753	-217821.1413	105507.7310250766	39.77013840947519	-101.5737986	279552.826933404	404541.053729791	3490.6968794852	3255.653191328304	3188.115965	3186.51389251403	68.42272077655	68.42272077655
234	294754	-217161.1413	105507.7310250766	39.77015343738746	-101.5714524	279753.84881602245	404540.83251616	3490.7233814695146	3254.814752526545	3188.090435483364	3188.090435483364	75.95378298587576	75.95378298587576
235	294755	-216501.1413	105507.7310250766	39.7701682398779	-101.5691062	279954.873272783	404540.71015637	3491.012596032023	3253.972786823624	3187.9067173419177	3187.9067173419177	73.6035711476334	73.6035711476334
236	294756	-215841.1413	105507.7310250766	39.77018350790174	-101.56676	280155.8984121362	404540.1599012854	3487.0352840117	3253.13091726445	3187.517100712554	3187.517100712554	74.814580022616	74.814580022616
237	294757	-215181.1413	105507.7310250766	39.7701986377575	-101.56438	280356.926933404	404540.1599012854	3485.0482718487	3252.479472984513	3185.488272164789	3185.488272164789	75.95378298587576	75.95378298587576
238	294758	-214521.1413	105507.7310250766	39.7702124655381	-101.562076	280557.347455964	404539.364	3489.146173124307	3251.42895017138	3185.800591	3183.21310742076	65.628399422427	65.628399422427
239	294759	-213861.1413	105507.7310250766	39.77022735676216	-101.5597214	280758.9711871762	404539.264493574	3488.58846761034	3250.567200802165	3184.515819241165	3184.515819241165	73.6035711476334	73.6035711476334
240	294760	-213201.1413	105507.7310250766	39.7702402266549	-101.5573752	280959.9501140686	404538.129464878	3487.885017323873	3249.69630482198	3182.93296573745			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEVLogKrg.	BRELEVBothKrg.	SatHtKlog.	SatHtBoth.
319	329	294841	-1579471.1413	1055077.3170250766	39.7727942565176	-101.3673301	297242.2288717247	4050502.453925427	3324.40480437734683	3128.1376751131575	3051.2830891922236	3051.2463243998631	76.85436962	76.89135011452663
322	399	294842	-159081.1413	1055077.3170250766	39.7723037460915	-101.3648389	297443.2357393694	4050408.36073705	3330.64629898987	3126.702972007367	3048.4461972975114	3048.47167522461134	78.25609990322528	78.28554459646232
323	399	294843	-158421.1413	1055077.3170250766	39.77231726236876	-101.3636378	297644.2642687661	4050442.2591726308	3333.500298192768	3125.380385162596	3045.376313466829	3045.376313466829	79.7481239	80.0240728142756
324	399	294844	-157761.1413	1055077.3170250766	39.7712133651934	-101.3602913	297845.248800305	4050404.13635704	3332.9757842040413	3124.1650405108876	3043.351660371248	3043.351660371248	81.83330139639376	81.91466565
325	399	294845	-157017.1413	1055077.3170250766	39.77322949053805	-101.3579451	298046.2651535869	4050360.06669531	3332.49842986305	3123.07078419199	3039.4188494238156	3039.3383030511933	83.16519289438352	83.73247486700575
326	399	294846	-156441.1413	1055077.3170250766	39.7733307174277	-101.3559888	298247.2612294347	4050531.39036778	3331.9321915369683	3121.989448648196	3036.6377992813136	3036.634549524811	85.3516482359245	85.445930400949
327	399	294847	-155781.1413	1055077.3170250766	39.7734443942065	-101.3535225	298448.2671078678	4050502.873473946	3332.088481145125	3120.912647973019	3034.2931125499845	3034.1898118986386	86.1953042330445	86.81452803761016
328	399	294848	-155121.1413	1055077.3170250766	39.7735511643164	-101.3509062	298649.2727890817	4050523.778633474	3331.960327258664	3119.8251584148793	3031.106938811492	3031.8520971393897	87.71446453700767	87.97722512209862
329	399	294849	-154461.1413	1055077.3170250766	39.7736604881853	-101.34865	298850.2762725259	4050542.2591726308	3335.493894006758	3118.719353561856	3030.087780645762	3030.087780645762	88.363851172602	88.6292538140453
330	399	294850	-153801.1413	1055077.3170250766	39.77376334401715	-101.3462137	299051.2835662085	4050510.58766293	3339.027435275097	3117.58722975731	3028.45491659293	3027.6995743565814	89.12738059023	89.878554
331	399	294851	-153141.1413	1055077.3170250766	39.773867539736	-101.3436674	299252.28875130345	4050511.842842679	3340.126306367617	3116.42712682175	3026.621671730961	3025.6993893810185	89.8061400512382	90.72855879
332	399	294852	-152481.1413	1055077.3170250766	39.7739737	-101.3415211	299453.29364566953	4050507.398026234	3340.7890800852509	3115.2362574597636	3024.844757434923	3023.76326051716	90.3915007	91.4722534064592
333	399	294853	-151821.1413	1055077.3170250766	39.7741072138882	-101.3391749	299654.2893843426	4050503.302520248	3342.45239534297	3114.0092971097138	3023.267730935838	3021.8426428777225	90.7156614612593	92.16665423104159
334	399	294854	-151161.1413	1055077.3170250766	39.7741826238996	-101.3368286	299855.30264602975	404999.209	3342.11557898286	3112.745239460178	3021.696037850099	3020.1852420161866	91.0420161018572	92.49051944409803
335	399	294855	-150501.1413	1055077.3170250766	39.7742858661035	-101.3344623	300066.3071543664	404995.11571196	3290.79716474374	3111.4445326682487	3020.156758841697	3020.156758841697	92.185232402671936	92.3216960651505
336	399	294856	-149841.1413	1055077.3170250766	39.7743890402394	-101.332136	300257.3112632706	404991.021367795	3297.498711015727	3110.106107	3017.79715	3017.1923236060318	92.91327486	92.91327486
337	399	294857	-149181.1413	1055077.3170250766	39.77449169413856	-101.3297898	300468.3151787844	404996.327783781	3294.199715887813	3108.7290358022062	3017.070933356904	3015.1862208	91.65899664633218	93.04682594168253
338	399	294858	-148521.1413	1055077.3170250766	39.774593309548	-101.3274435	300659.3189	404982.83452155	3280.900727002344	3107.317782965646	3015.173924590066	3013.841189	92.139549768686	93.47255885
339	399	294859	-147861.1413	1055077.3170250766	39.77469571447156	-101.3250972	300860.3224423972	404978.741	3279.41304843464	3105.85835809383	3013.026376712504	3011.796094194528	92.8318917867906	94.06226431485493
340	399	294860	-147201.1413	1055077.3170250766	39.77471947	-101.3227509	301061.3257550021	404974.648513012	3010.475127657485	3104.362712741042	3010.475127657485	3009.5224740068707	93.89159407	94.8442473
341	399	294861	-146541.1413	1055077.3170250766	39.7747892160655	-101.3204046	301262.3889916555	404970.559054979	3280.051631433613	3102.80451832677	3007.7156846874595	3006.9184574889214	95.1243836521786	95.9254934575582
342	399	294862	-145881.1413	1055077.3170250766	39.7746963422523	-101.3180584	301463.318327947	404966.436339302	3278.70717947326316	3101.2804491681936	3004.636441471797	3003.683077599653	97.59378078375338	97.59378078375338
343	399	294863	-145221.1413	1055077.3170250766	39.7745963783024	-101.3157121	301654.3468029481	404962.317414463	3274.8309877349447	3100.8989724674973	3001.851729345197	3001.851729345197	98.4247894451746	98.4247894451746
344	399	294864	-144561.1413	1055077.3170250766	39.77519783256196	-101.3133658	301965.33713407215	404958.28	3278.892492741434	3098.056870801054	2998.08196107434	2997.5551120179007	99.74740937047138	100.510716578390473
345	399	294865	-143901.1413	1055077.3170250766	39.775298662801	-101.3110195	302066.3384903454	404954.187889783	3277.6259147916653	3097.335142066	2995.687119808394	2995.252264075055	100.7195322861057	101.1350511405072
346	399	294866	-143241.1413	1055077.3170250766	39.775395506978	-101.3086732	302267.3416604871	404950.096487926	3276.43630156187	3094.6762514370193	2995.518865224464	2995.0734438339386	99.1573851457298	99.6802597566101
347	399	294867	-142581.1413	1055077.3170250766	39.775493683147	-101.3063269	302486.34683363695	404945.005328376	3275.84639642554	3092.921168028014	2998.475793101424	2998.139467829878	94.7816823402543	94.7816823402543
348	399	294868	-141921.1413	1055077.3170250766	39.7755913676306	-101.3038807	302669.3454	404941.914011255	3275.774520205077	3091.1194512602033	3004.3564429300923	3004.208096712272	86.730383	86.91135445
349	399	294869	-141261.1413	1055077.3170250766	39.7756986184598	-101.3015713	302870.34907008542	404937.82373313	3275.702541869555	3089.26899778757	3011.64858967758	3011.67898976758	97.5890708981608	97.5890708981608
350	399	294870	-140591.1413	1055077.3170250766	39.775796133995	-101.2992817	303071.348533304	404933.733297504	3274.6307649653474	3087.6307649653474	3011.479531429507	3011.479531429507	98.7797271020978	98.7797271020978
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352	399	294872	-139281.1413	1055077.3170250766	39.775977648829	-101.2945955	303473.306076706	404925.553149992	3260.14483912756	3083.405021882756	3024.45830304034	3025.0219416871	99.5191375471262	58.392107191274135
353	399	294873	-138621.1413	1055077.3170250766	39.7760730871917	-101.2922492	303674.35142473364	404921.643011238	3250.62873507498	3081.345256155662	3024.0564846102	3025.5994577857926	57.2887716944598	55.74578369932345
354	399	294874	-137961.1413	1055077.3170250766	39.7761681	-101.2899029	303875.352050425	404917.437367523	3240.6416532029336	3079.2306789317026	3023.4494546407864	3023.4494546407864	56.38067727890716	56.38067727890716
355	399	294875	-137301.1413	1055077.3170250766	39.7762620014936	-101.2875566	304076.352484701	404913.28473819	3228.3011282474597	3077.05982675595	3022.653596	3026.0287116080003	54.4443529756493	51.031682859485
356	399	294876	-136641.1413	1055077.3170250766	39.7763663730624	-101.285104	304270.35271274111	404909.19575031	3227.45424289128	3076.45424289128	3021.81734948167	3021.81734948167	52.84627320987213	51.00954088477104
357	399	294877	-135981.1413	1055077.3170250766	39.7764503034036	-101.2828614	304478.3528	404905.107003133	3226.498107003133	3075.574593	3021.03213393536	3021.03213393536	48.292368518845	48.292368518845
358	399	294878	-135321.1413	1055077.3170250766	39.7765347420306	-101.2805178	304679.3526393231	404901.01847455	3184.21783049184	3070.2681360541874	3020.163027552123	3023.8570923641055	48.1001582897505	46.41104369
359	399	294879	-134661.1413	1055077.3170250766	39.7766361916814	-101.2787175	304880.352083939	404896.303229905	3170.001162258745	3067.923133803806	3019.2771324224937	3023.901753245118	48.6460510788862	44.8314013681682
360	399	294880	-134001.1413	1055077.3170250766	39.7767164588924	-101.2758252	305081.35178793094	404882.842209726	3183.265358788374	3065.54238312837	3018.191949281046	3019.503288	47.35039057179084	46.03905190422738
361	399	294881	-133341.1413	1055077.3170250766	39.7768202667776	-101.2734789	305282.3510765104	404880.75447663	3178.55256291733	3063.12808989725	3017.2849710094238	3018.9255217772416	44.80311598030126	44.20256521248348
362	399	294882	-132681.1413	1055077.3170250766	39.7769161243621	-101.2711326	305485.3057148803	404874.66686784	3191.787536247387	3060.677091369221	3016.3711747619414	3018.21623730871285	44.5039165832683	42.4503162803927
363	399	294883	-132021.1413	1055077.3170250766	39.77701238494416	-101.2687683	305689.336550338	404870.349325596	3182.45424289128	3060.45424289128	3015.71734948167	3015.71734948167	42.84627320987213	41.00954088477104
364	399	294884	-131361.1413	1055077.3170250766	39.77710929786207	-101.26644	305885.3478	404862.452825861	3190.81962570737	3055.60773742435	3014.503148477339	3016.2321871971837	41.1630240554628	39.4238540509807
365	399	294885	-130701.1413	1055077.317025										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	Surf.Elev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvLogsKrg.ft	SatThkLgth.ft	SatThkBoth.ft
443	499	294967	-76581.14133	1055077.3170250766	39.72302017822135	-101.07186958	322567.6004029715	2045438.106577883	2976.6425107817904	2880.651327661484	2867.0594932912568	2866.7665842617853	13.59442874891647
448	399	294968	-75921.14133	1055077.3170250766	39.7230725511397	-101.0693484	322768.5839151435	2045435.349748309	2879.3683023403663	2866.7912910008433	2866.5667067900714	2866.5667067900714	13.23918135292293
449	399	294969	-75361.14133	1055077.3170250766	39.7231244707425	-101.0693484	322768.5839151435	2045435.349748309	2879.3683023403663	2866.7912910008433	2866.5667067900714	2866.5667067900714	13.23918135292293
450	399	294970	-74601.14133	1055077.3170250766	39.7231795370298	-101.0693484	322768.5839151435	2045435.349748309	2879.3683023403663	2866.7912910008433	2866.5667067900714	2866.5667067900714	13.23918135292293
451	399	294971	-73941.14133	1055077.3170250766	39.7232269500111	-101.0623104	323371.53324043527	2045421.840723596	2866.6830947560684	2878.1673286338205	2867.585478480563	2867.585478480563	10.58185015325762
452	399	294972	-73281.14133	1055077.3170250766	39.72327750956565	-101.0599641	323572.516245194	2045417.774383598	2858.9649795154585	2876.65486203504	2868.3134835313135	2868.3134835313135	5.30056009036842
453	399	294973	-72621.14133	1055077.3170250766	39.7233261159962	-101.0576178	323733.498898524	2045413.709207274	2856.246864	2877.2171415609027	2868.91056995512	2868.91056995512	8.10436353227496
454	399	294974	-71961.14133	1055077.3170250766	39.72337726901974	-101.0552714	323974.48138063017	2045059.63820375	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
455	399	294975	-71361.14133	1055077.3170250766	39.723424265	-101.0529261	324175.46389171952	2045059.63820375	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
456	399	294976	-70641.14133	1055077.3170250766	39.72347525111804	-101.0505788	324376.4453319354	2045153.97167818	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
457	399	294977	-69981.14133	1055077.3170250766	39.7235235081927	-101.0482324	324577.427801667	2044957.451731138	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
458	399	294978	-69321.14133	1055077.3170250766	39.72357137345065	-101.0458861	324778.4096	2044493.385	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
459	399	294979	-68661.14133	1055077.3170250766	39.72361734415175	-101.0435398	324979.3913299305	2044389.320489927	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
460	399	294980	-68001.14133	1055077.3170250766	39.7236656754044	-101.0411914	325180.3277890256	2044389.320489927	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
461	399	294981	-67341.14133	1055077.3170250766	39.723714273486	-101.0388471	325381.3540784326	2044481.192841232	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
462	399	294982	-66681.14133	1055077.3170250766	39.72376178138398	-101.0365077	325582.331980833	2044471.129374425	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
463	399	294983	-66021.14133	1055077.3170250766	39.7238037470141	-101.0341554	325783.31614845956	2044473.068135968	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
464	399	294984	-65361.14133	1055077.3170250766	39.7238448668713	-101.0318081	325984.2969	2044469.003170844	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
465	399	294985	-64701.14133	1055077.3170250766	39.7238933341116	-101.0294617	326185.277541392	2044460.940428058	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
466	399	294986	-64041.14133	1055077.3170250766	39.72393377466354	-101.0271154	326386.257935461	2044464.6077525925	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
467	399	294987	-63381.14133	1055077.3170250766	39.7239815064034	-101.024769	326587.23860154	2044458.815693442	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
468	399	294988	-62721.14133	1055077.3170250766	39.7240281811286	-101.0224227	326788.2186705215	2044452.531641596	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
469	399	294989	-62061.14133	1055077.3170250766	39.724073639946	-101.0201893	326989.2186705215	2044446.9180250978	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
470	399	294990	-61401.14133	1055077.3170250766	39.7241101	-101.01773	327190.1780761378	2044444.603317993	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
471	399	294991	-60741.14133	1055077.3170250766	39.7241502128887	-101.0153837	327391.157670025	2044440.569017814	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
472	399	294992	-60081.14133	1055077.3170250766	39.7241935	-101.0130373	327592.1371143525	2044436.507957109	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
473	399	294993	-59421.14133	1055077.3170250766	39.72423456430754	-101.010691	327793.116382048	2044432.447136669	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
474	399	294994	-58761.14133	1055077.3170250766	39.72427513239965	-101.0083447	327994.0954836104	2044428.38655449	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
475	399	294995	-58101.14133	1055077.3170250766	39.7243152663354	-101.0059863	328195.0747147206	2044424.326	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
476	399	294996	-57441.14133	1055077.3170250766	39.7243544640108	-101.003652	328396.0518477884	2044420.26116841	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
477	399	294997	-56781.14133	1055077.3170250766	39.72439417311297	-101.0013058	328597.0317856465	2044416.206257368	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
478	399	294998	-56121.14133	1055077.3170250766	39.7244323465398	-100.9989593	328798.01022013775	2044412.146638115	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
479	399	294999	-55461.14133	1055077.3170250766	39.7244712666322	-100.9966129	328998.984888737	2044408.087259079	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
480	399	295000	-54801.14133	1055077.3170250766	39.72451391334061	-100.994266	329199.9669515725	2044404.08120247	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
481	399	295001	-54141.14133	1055077.3170250766	39.724546488616	-100.9919203	329400.9445286167	2044399.96921607	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
482	399	295002	-53481.14133	1055077.3170250766	39.7245835063976	-100.989579	329601.922021019	2044395.015631156	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
483	399	295003	-52821.14133	1055077.3170250766	39.7246203138172	-100.9872276	329802.899956545	2044391.852144883	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
484	399	295004	-52161.14133	1055077.3170250766	39.7246561	-100.9848612	330003.873473842	2044387.7939667795	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
485	399	295005	-51501.14133	1055077.3170250766	39.7246961674883	-100.9825349	330204.856423736	2044383.76028838	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
486	399	295006	-50841.14133	1055077.3170250766	39.7247268143608	-100.9801885	330405.8317362409	2044379.678	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
487	399	295007	-50181.14133	1055077.3170250766	39.7247615079045	-100.9778422	330606.8086369277	2044373.860783406	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
488	399	295008	-49521.14133	1055077.3170250766	39.7247957481224	-100.9754899	330807.7846649304	2044371.56355987	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
489	399	295009	-48861.14133	1055077.3170250766	39.724830539765	-100.9732467	331008.7646649304	2044369.43941255	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
490	399	295010	-48201.14133	1055077.3170250766	39.7248652268129	-100.9710032	331209.7385116124	2044363.44941255	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
491	399	295011	-47541.14133	1055077.3170250766	39.7248957	-100.9684568	331410.74833459	2044359.393444102	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
492	399	295012	-46881.14133	1055077.3170250766	39.7249281758388	-100.9661105	331611.6909619233	2044355.337187054	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
493	399	295013	-46221.14133	1055077.3170250766	39.7249691494884	-100.9637641	331812.669272084	2044351.281170097	2876.6425107817904	2878.246834372835	2871.337108234628	2871.337108234628	4.24033758512261
494	399	295014	-45561.1413										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevLogKrg.ft	BRIElevBotKrg.ft	SatThkLog.s	0	SatThkBoth.ft
573	295093	6578.858673073351	1050577.3170250766	39.7260492816855	-100.776056	347890.2339162418	40404027.57898488	2864.857237863506	2712.327133435596	2742.6255785699136	2743.0068105948903	0			
574	295094	6578.858673073351	1050577.3170250766	39.7260453633164	-100.7737097	348091.197348896	40404025.40350293	2858.642444553197	2709.899107455594	2741.3219878210116	2741.9797113016853	0			
575	295095	6578.858673073351	1050577.3170250766	39.72603932356545	-100.7737097	348091.197348896	40404025.40350293	2858.642444553197	2709.899107455594	2741.3219878210116	2741.9797113016853	0			
576	295096	6578.858673073351	1050577.3170250766	39.726037607337	-100.7737097	348091.197348896	40404025.40350293	2858.642444553197	2709.899107455594	2741.3219878210116	2741.9797113016853	0			
577	295097	9218.858673073351	1050577.3170250766	39.7260275803427	-100.7666706	348694.08677043795	40404031.411992271	2846.807826667541	2702.717915060485	2736.035092483997	2736.507257308794	0			
578	295098	9678.858673073351	1050577.3170250766	39.726012017031	-100.7643243	348995.04961934577	404007.396	2843.3160060495087	2733.8302188063417	2734.3544876956066	0				
579	295099	10538.858673073351	1050577.3170250766	39.7260140097427	-100.7619779	349096.01232281805	404007.396	2837.40404528348	2698.0268704531927	2731.5653795825235	2732.106035616576	0			
580	295100	11188.858673073351	1050577.3170250766	39.7260044446609	-100.7596316	349296.9478810474	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
581	295101	11858.858673073351	1050577.3170250766	39.725996258578	-100.7575385	349487.93729427476	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
582	295102	12518.858673073351	1050577.3170250766	39.725990239337	-100.7545788	349698.895652521	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
583	295103	13178.858673073351	1050577.3170250766	39.7259814	-100.7525925	349899.8617	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
584	295104	13838.858673073351	1050577.3170250766	39.725971501211	-100.7502461	35010.0283665792	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
585	295105	14488.858673073351	1050577.3170250766	39.725961823315	-100.7478998	350301.78550087055	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
586	295106	15158.858673073351	1050577.3170250766	39.7259523023075	-100.7455534	350502.7471902127	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
587	295107	15818.858673073351	1050577.3170250766	39.7259415944935	-100.7432071	350703.7087395959	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
588	295108	16478.858673073351	1050577.3170250766	39.7259305026362	-100.7408697	350904.7024310183	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
589	295109	17138.858673073351	1050577.3170250766	39.7259189574834	-100.7385144	351105.8315033824	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
590	295110	17798.858673073351	1050577.3170250766	39.725908596993	-100.736168	351306.592602036	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
591	295111	18458.858673073351	1050577.3170250766	39.7258940715415	-100.7338217	351507.5539493864	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
592	295112	19118.858673073351	1050577.3170250766	39.7258816017875	-100.7314753	351708.5144263131	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
593	295113	19778.858673073351	1050577.3170250766	39.7258682435605	-100.729129	351909.475	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
594	295114	20438.858673073351	1050577.3170250766	39.725843417822	-100.7267826	352110.4356617989	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
595	295115	21098.858673073351	1050577.3170250766	39.7258195453482	-100.7244383	352302.868422526	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
596	295116	21758.858673073351	1050577.3170250766	39.7258248426229	-100.7220899	352512.3532873804	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
597	295117	22418.858673073351	1050577.3170250766	39.7258107652144	-100.7197436	352713.31404846325	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
598	295118	23078.858673073351	1050577.3170250766	39.7257946514595	-100.7173972	352914.276486918	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
599	295119	23738.858673073351	1050577.3170250766	39.7257786370765	-100.7150509	353115.236266023	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
600	295120	24398.858673073351	1050577.3170250766	39.7257620413727	-100.7127015	353316.1959633983	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
601	295121	25058.858673073351	1050577.3170250766	39.7257495673875	-100.7103188	353517.155512988	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
602	295122	25718.858673073351	1050577.3170250766	39.72573617800284	-100.7079488	353718.1484374	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
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604	295124	27038.858673073351	1050577.3170250766	39.72570913813498	-100.7033191	354120.033435817	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
605	295125	27698.858673073351	1050577.3170250766	39.7256725830427	-100.7009728	354320.9923379003	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
606	295126	28358.858673073351	1050577.3170250766	39.7256533314141	-100.6986264	354521.051192357	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
607	295127	29018.858673073351	1050577.3170250766	39.7256336246502	-100.6962001	354722.3090971352	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
608	295128	29678.858673073351	1050577.3170250766	39.7256134681957	-100.6937631	354923.868422526	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
609	295129	30338.858673073351	1050577.3170250766	39.7255935865609	-100.6915874	355124.681958074	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
610	295130	30998.858673073351	1050577.3170250766	39.72557197169574	-100.689241	355325.78521554	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
611	295131	31658.858673073351	1050577.3170250766	39.72555027346506	-100.6868947	355526.734376781	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
612	295132	32318.858673073351	1050577.3170250766	39.7255283019137	-100.6845483	355727.7013920317	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
613	295133	32978.858673073351	1050577.3170250766	39.72550369770421	-100.682202	355928.6592742909	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
614	295134	33638.858673073351	1050577.3170250766	39.725482998503	-100.6798556	356129.61701715575	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
615	295135	34298.858673073351	1050577.3170250766	39.7254629967385	-100.6774867	356330.61701715575	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
616	295136	34958.858673073351	1050577.3170250766	39.7254428585059	-100.6751629	356531.532089072	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
617	295137	35618.858673073351	1050577.3170250766	39.7254116443353	-100.6728166	356732.488184486	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
618	295138	36278.858673073351	1050577.3170250766	39.725396528808	-100.6704702	356933.446146844	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
619	295139	36938.858673073351	1050577.3170250766	39.725376318080785	-100.6681239	357134.403665292	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
620	295140	37598.858673073351	1050577.3170250766	39.7253532097514	-100.6657775	357335.3606312654	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0			
621	295141	38258.858673073351	1050577.3170250766	39.7253302975757	-100.6634312	357536.31701715575	4043999.25788443	2829.268219326562	2695.71499378431	2729.3054813494387	2729.873040284446	0</			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.f	W.Lt.	BRElevLogs.f	BRElevBothK.f	SatHLogs.f	SatHBoth.f
69	39	295219	89738.85867307335	1055077.3170250766	39.72118815	-100.4804617	373210.5419932752	4003520.8478162292	730.7097893659391	260.80095937387737	2545.570447639982	2545.580193875059	55.4146460979176	55.40448993704486
700	39	295220	90388.85867307335	1055077.3170250766	39.7218159693034	-100.4787074	373411.4888184844	4003516.841309594	2727.297527135973	260.396610484089	2547.25057510751223	2547.1364930065473	53.19255017254674	53.26011740526169
701	39	295221	91038.85867307335	1055077.3170250766	39.7219752931579	-100.4757241	373612.4381261233	4003512.835941166	2723.885268712535	2598.926872585486	2550.33889672585486	2550.33889672585486	52.70830112630495	52.70830112630495
702	39	295222	91718.85867307335	1055077.3170250766	39.72210465230321	-100.4733778	373813.1851311717	4003508.82010241	2720.7290498081369	2598.926872585486	2551.3706168617067	2551.144584764091	47.61563910864425	47.8477702606011
703	39	295223	92378.85867307335	1055077.3170250766	39.72213612996137	-100.4710314	374014.32777862024	4003504.82233096	2720.923234	2598.1904667800577	2553.661008279643	2553.400241938378	45.5294669521142	44.790220484
704	39	295224	93038.85867307335	1055077.3170250766	39.72215622882826	-100.4688851	374215.2739255261	4003501.87166694	2725.3329458263935	2596.089724309374	2555.7071587125353	2555.7071587125353	41.62887325477701	41.62887325477701
705	39	295225	93698.85867307335	1055077.3170250766	39.722159429383	-100.4663388	374416.21905242126	4003500.812351807	2729.5425267199343	2596.089724309374	2558.0175214845124	2558.0175214845124	39.0407999238904	38.1491702601386
706	39	295226	94358.85867307335	1055077.3170250766	39.7221438094817	-100.4639295	374617.165690327	4003492.80724821	2733.5552150779438	2596.4558481978806	2561.216411389925	2561.216411389925	34.23954279895547	34.177713886107367
707	39	295227	95018.85867307335	1055077.3170250766	39.7221378728127	-100.4616461	374818.1116491175	4003489.240172334	2736.8226811814235	2598.447126	2596.1289754891458	2596.1289754891458	27.9124897565425	27.598458968168408
708	39	295228	95678.85867307335	1055077.3170250766	39.722139382314	-100.4592986	375019.0571911693	4003484.797835417	2737.061556992724	2593.354525518605	2597.2243604002239	2597.1803512323027	27.17109225162239	26.21510141893897
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710	39	295230	96998.85867307335	1055077.3170250766	39.7221160429328	-100.4546072	375420.948034374	4003476.789348718	2728.027277103195	2591.175943319735	2561.080980925503	2560.782024082798	30.09504341718457	30.3939129936961
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713	39	295233	98978.85867307335	1055077.3170250766	39.722094713324566	-100.4479582	376023.7839395417	4003464.78404313	2723.3228246211524	2587.584938439216	2556.931917183534	2556.931917183534	24.61393255155773	24.04400992035975
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715	39	295235	100298.85867307335	1055077.3170250766	39.72208376022297	-100.4428756	376426.6736988566	4003456.72996358	2718.9068660446	2585.09534051044	2554.369012297719	2554.05191573993	30.09502175	31.00758267109006
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719	39	295239	102938.85867307335	1055077.3170250766	39.72205380744296	-100.4334903	377229.452003858	4003440.76242441	2714.949573	2579.84753398628	2549.72655123869	2549.72655123869	29.0590212069953	29.0590212069953
720	39	295240	103598.85867307335	1055077.3170250766	39.72204874717078	-100.43114	377430.396237285	4003436.761	2712.788727890075	2578.183851335513	2548.57305964036	2548.57305964036	28.79825448614676	28.520126280784
721	39	295241	104298.85867307335	1055077.3170250766	39.722041561817	-100.4288256	377643.603772713	4003390.75896965	2710.75896965	2576.5896926143	2546.387431490894	2546.387431490894	27.8844251054547	27.8844251054547
722	39	295242	104918.85867307335	1055077.3170250766	39.722034392534216	-100.426513	377832.842531161	4003428.75492064	2708.47500739425	2575.409061308195	2546.1225112081904	2546.1225112081904	27.28654292204443	27.13548637870367
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727	39	295247	108258.85867307335	1055077.3170250766	39.72199778439927	-100.415316	378837.020815723	4003408.75564554	2677.58596153835	2567.8469182614	2546.53899529667	2546.53899529667	21.8316835613924	21.8316835613924
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731	39	295251	110858.85867307335	1055077.3170250766	39.7219679993401	-100.4053345	379640.7755003586	4003392.75736988	2672.1100233263553	2561.47779721298	2543.6445837176257	2543.6447160201599	17.8332315081522	17.370362179608757
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2	40	295262	137028.1413	1										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatThKLog.ft	SatThBoth.ft
85	400	295345	-315501.1413	1055737.3170250766	39.76924081647339	-01.92105111	249802.7722579076	4060227.5038201474	3551.598183135697	3240.2443597210995	3393.170000175742	3394.811875881355	27.0435954535731	25.433172132964046
86	400	295346	-314841.1413	1055737.3170250766	39.76925246296483	-01.918705	250003.81343149537	4060223.249171517	3551.1045096701131	3417.231145631866	3389.344322319277	3391.42659321259696	26.804179156163314	25.4017156163314
87	400	295347	-314181.1413	1055737.3170250766	39.769249454712866	-01.9162347	250044.9935386984	4060219.183766371	3549.4997236823821	3414.197206462965	3388.783214846624	3389.698901103453	26.03829344723205	25.403829344723205
88	400	295348	-313521.1413	1055737.3170250766	39.76930520053783	-01.9141028	250055.9430377727	406015.040604728	3546.7830806906716	3410.900305114222	3382.6158947597314	3385.215921644012	26.8440135711813	25.684363473417
89	400	295349	-312861.1413	1055737.3170250766	39.76932713057929	-01.9116668	250067.0704709383	406010.88666584	3544.067879866015	3407.832788134357	3379.8490217161902	3382.894016654772	27.78376641816658	24.738186468879576
90	400	295350	-312201.1413	1055737.3170250766	39.76934358597932	-01.9093207	250088.06565773187	406026.73011026	3541.35573635735	3404.325094984273	3379.465984965849	3380.9117273016914	26.8592424323958	23.4143726465819
91	400	295351	-311541.1413	1055737.3170250766	39.7693701569191	-01.9069746	250109.1235983982	406025.57980749	3536.795249681444	3400.995176164274	3375.5174958279982	3379.381593860298	26.8498849529296	21.6468658384976
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93	400	295353	-310221.1413	1055737.3170250766	39.76941271951053	-01.9028284	251481.2387419387	406194.273446812	3540.01028633821	3394.315811879337	3372.27357362648	3377.3243436660685	26.9423363675297	15.9911773069896
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103	400	295363	-303621.1413	1055737.3170250766	39.76962351918221	-01.8788215	253421.79976012852	406165.757395517	3513.4345559537022	3362.25721259381	3368.13899726822	3360.284340866815	15.99178090911623	15.99178090911623
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113	400	295373	-297021.1413	1055737.3170250766	39.76982979645835	-01.8553934	255432.3943383227	406109.68697965	3484.6990417189896	3332.212596244756	3329.357639682964	3328.031298269212	15.99178090911623	15.99178090911623
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118	400	295378	-293721.1413	1055737.3170250766	39.7699312043897	-01.8436298	256437.5997945862	406093.62800432	3471.833965794803	3317.16914	3308.94033019087	3308.404135941037	15.99178090911623	15.99178090911623
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120	400	295380	-292401.1413	1055737.3170250766	39.76997147673671	-01.838975	256839.62323024	406082.23552454	3466.371945643106	3312.089155828284	3304.857145624676	3302.25744245248	15.99178090911623	15.99178090911623
121	400	295381	-291741.1413	1055737.3170250766	39.76999153692861	-01.8365914	257038.74474705108	406078.089825763	3463.701707075925	3309.638760575157	3306.81837605475	3303.290572936396	15.99178090911623	15.99178090911623
122	400	295382	-291081.1413	1055737.3170250766	39.77001155177579	-01.8342345	257241.7988671884	406073.934385856	3461.8123829567	3304.968915468485	3302.268463260852	3302.371041448523	15.99178090911623	15.99178090911623
123	400	295383	-290421.1413	1055737.3170250766	39.77003132438672	-01.8318992	257442.8490591337	406069.79825914	3355.317903228157	3302.0743262417	3300.74649458208	3300.74649458208	15.99178090911623	15.99178090911623
124	400	295384	-289761.1413	1055737.3170250766	39.770051445495874	-01.829593	257643.8989200661	406065.65298476	3327.511467444538	3300.2557629051225	3300.374084962335	3300.374084962335	15.99178090911623	15.99178090911623
125	400	295385	-289101.1413	1055737.3170250766	39.77007132438672	-01.8272069	257844.988681267	406061.80773575	3319.55002620573	3299.2706601254058	3301.918029237058	3300.736610251405	15.99178090911623	15.99178090911623
126	400	295386	-288441.1413	1055737.3170250766	39.77009115719168	-01.8248088	258045.989	406057.36238031	3317.4985768690527	3296.805012261147	3276.795182202024	3276.795182202024	15.99178090911623	15.99178090911623
127	400	295387	-287781.1413	1055737.3170250766	39.770115719168	-01.8225147	258246.93329845	406053.1528465	3315.4985429817	3294.735142178918	3274.735142178918	3274.735142178918	15.99178090911623	15.99178090911623
128	400	295388	-287121.1413	1055737.3170250766	39.7701308903758	-01.820165	258448.0963511282	406049.073725295	3313.477135651184	3296.8240501126137	3272.205781717344	3274.735142178918	15.99178090911623	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Ln	BREIElev.Kg.ft	BREIElev.Kg.ft	SatH.Kg.ft	SatH.Kg.ft
210	495471	-232341.1413	1055737.3170250766	39.71761134325018	-01.6254393	27513.35061028687	4405705.933314661	3513.1513326663276	3279.4545149817014	3221.60504606959276	3220.98409049021	39.7094689157378	58.4304492369058	
212	495472	-231681.1413	1055737.3170250766	39.71762272872511	-01.623089	27533.3802899126	4405701.80928958	3514.890512461805	3278.02645061093	3217.4705326119506	3228.725404379087	60.55592144914226	61.30104726186151	
213	495473	-231021.1413	1055737.3170250766	39.71763168917416	-01.6207428	27556.40974838927	4405697.6880	3516.829461265838	3285.8001390011006	3195.688952240918	3212.31471722466	63.517403722466	64.2396484802751	
214	495474	-230361.1413	1055737.3170250766	39.71765901369127	-01.6183968	27573.4389862285	4405693.16673336	3518.368872	3275.267395498484	3208.8510041786285	3226.04561596234	64.6129231	66.9927335	
215	495475	-229701.1413	1055737.3170250766	39.71768748182464	-01.6160503	27598.34860034695	4405689.43867002	3519.084116226334	3273.900569597593	3204.8159227646847	3204.0925202351223	64.80264693107428	69.0802894603704	
216	495476	-229041.1413	1055737.3170250766	39.71769056734566	-01.6137041	27613.394968003933	4405685.316512006	3518.757620969696	3272.54605	3201.3426699110973	3200.645827108215	71.2034805312256	71.9002231039844	
217	495477	-228281.1413	1055737.3170250766	39.71770627618086	-01.6113579	27630.52537718206	4405681.19282045	3518.467060315672	3271.20759163287	3199.06769496324	3198.527490344447	72.1399020100428	72.68008711288394	
218	495478	-227421.1413	1055737.3170250766	39.717719339688014	-01.6090116	276541.55373404064	4405677.072023308	3518.1584969611474	3269.890117735146	3197.3406321873517	3192.47208932247	72.549481967828	72.847304306556	
219	495479	-227061.1413	1055737.3170250766	39.717735787867084	-01.6066654	276742.58187117585	4405672.375878687	3518.924641265838	3268.9601390011006	3195.688952240918	3192.31471722466	72.813337660453	73.13383038	
220	495480	-226401.1413	1055737.3170250766	39.71775313071807	-01.6043191	276943.6097857973	4405668.825821272	3517.765481226147	3267.345763389371	3193.8229526973045	3193.530622	73.15214131779077	73.15214131779077	
221	495481	-225741.1413	1055737.3170250766	39.7177685824093	-01.6019729	277144.634871087	4405664.730979068	3518.260328987402	3266.13623731356823	3191.935701341149	3191.935701341149	72.4005360371892	74.44310364	
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223	495483	-224421.1413	1055737.3170250766	39.71779577302104	-01.5972804	277546.692266269	4405656.46102231	3508.6548238715577	3263.8843873244605	3188.8347485909112	3188.830411258266	75.0465414153486	75.38097686919385	
224	495484	-223761.1413	1055737.3170250766	39.71781496884037	-01.5949342	277747.7192682479	4405652.390073705	3507.16423355115	3262.848648266485	3187.931761621626	3187.931761621626	75.9111765503895	75.12676464	
225	495485	-223101.1413	1055737.3170250766	39.71783910500416	-01.5925978	277948.74699138514	4405648.21930593	3505.7823935239074	3261.868084787853	3187.6421007947542	3187.36605178802	74.22958348043108	74.50724485998343	
226	495486	-222441.1413	1055737.3170250766	39.7178456193217	-01.5902417	278149.7726902463	4405644.0984052751	3504.3482314223034	3260.93243295772	3187.4950330579	3187.474480243893	74.43743036519298	75.58549525330276	
227	495487	-221781.1413	1055737.3170250766	39.71786087148558	-01.5878954	278350.7990833753	4405639.978017913	3503.6133859992123	3259.4033385097642	3187.618615303535	3187.41478553466593	74.21472321	76.1605316130493	
228	495488	-221121.1413	1055737.3170250766	39.7178766171068	-01.5855492	278551.825251661	4405635.857671001	3498.612840049319	3259.157870766439	3187.836252094793	3187.555817033107	74.31216877	76.10255362312825	
229	495489	-220461.1413	1055737.3170250766	39.71789124660741	-01.5832029	278752.8512	4405631.37780527	3495.2672804502427	3258.300214214575	3188.13687695663	3187.743697400819	76.1633451888236	76.55651681375953	
230	495490	-219801.1413	1055737.3170250766	39.717905736617573	-01.5808567	278953.8789374834	4405621.61310484	3491.921702762132	3257.4553206281853	3188.40701085571	3187.618516115879	76.4803097274471	69.83905251220631	
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232	495492	-218481.1413	1055737.3170250766	39.7179364937206	-01.5761642	279355.573751954	4405619.297171684	3490.86231	3255.789251571809	3188.16841652449	3187.958823660474	67.8340506939034	68.80920394897877	
233	495493	-217821.1413	1055737.3170250766	39.7179514145903	-01.5738742	279556.637732689	4405615.73671261	3490.71058587092	3254.713463269516	3187.9150056920254	3170.944672779167	72.5634072779167	73.1089112764379	
234	495494	-217161.1413	1055737.3170250766	39.71796631915444	-01.5714717	279757.977019401	4405611.12034947	3491.68013454317	3254.13725324915	3188.773420565742	3188.21938998484	64.963326774307	65.918214274695	
235	495495	-216501.1413	1055737.3170250766	39.7179812840903	-01.5691254	279959.0025316001	4405607.42064949	3491.44745441709	3253.31268932904	3189.874666285443	3188.14060720852	63.779962674609	65.171656734801	
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237	495497	-215181.1413	1055737.3170250766	39.7200193356366	-01.5644329	280361.051	4405598.78477631	3489.689075981029	3251.65149261335	3189.20171709525	3187.138878	62.7708815566652	64.6910641805177	
238	495498	-214521.1413	1055737.3170250766	39.720259089864	-01.5620687	280562.07500413564	4405594.66975674	3488.82643181886	3250.811610267404	3188.2632785110773	3186.970385334006	62.5483317563271	66.7352243963705	
239	495499	-213861.1413	1055737.3170250766	39.72040402807855	-01.5597704	280763.0987901895	4405592.356901133	3488.078838678047	3249.71058587092	3187.9150056920254	3170.944672779167	72.5634072779167	73.1089112764379	
240	495500	-213201.1413	1055737.3170250766	39.72055807678	-01.5573492	28097.46152094875	4405589.435	3487.46152094875	3248.7105289111616	3188.142929174468	3186.970385334006	62.5483317563271	66.7352243963705	
241	495501	-212541.1413	1055737.3170250766	39.720696974459	-01.5550479	281165.1457163421	4405583.31840308	3486.8442052019464	3248.240547226027	3182.919620331022	3186.1818354	62.5483317563271	66.7352243963705	
242	495502	-211881.1413	1055737.3170250766	39.72086435369834	-01.5527016	281366.1688565676	4405578.201	3486.2268845021946	3247.36263073395	3180.521600687094	3178.92034237334	66.8410305003011	68.44221972630178	
243	495503	-211221.1413	1055737.3170250766	39.7209875966533	-01.5503554	281567.1917826048	4405574.0847708	3485.40290841777	3246.427501090576	3177.983629618634	3177.856291693384	66.4885456291257	68.6162021619203	
244	495504	-210561.1413	1055737.3170250766	39.7211320634024	-01.5480091	281768.2149347931	4405569.68520896	3484.2922471021155	3245.568539768423	3175.523412803486	3175.523412803486	70.8154038012826	70.8154038012826	
245	495505	-209901.1413	1055737.3170250766	39.72127272028003	-01.5456628	281968.2370905316	4405565.85243931	3481.54160069653	3244.6452729251134	3173.226467483883	3173.226467483883	71.413032346702	72.04830584	
246	495506	-209241.1413	1055737.3170250766	39.721421145903	-01.543316	282170.273273289	4405561.73671261	3480.71058587092	3243.713463269516	3187.9150056920254	3170.944672779167	72.5634072779167	73.1089112764379	
247	495507	-208581.1413	1055737.3170250766	39.721564635701	-01.5409703	282371.28144198796	4405557.621172724	3478.115622528916	3242.7632711729518	3186.224948846436	3186.84026072782	73.582823525256	73.9130416838002	
248	495508	-207921.1413	1055737.3170250766	39.7217076722328	-01.538624	282572.302970205	4405553.506	3476.515483963071	3241.758954766652	3184.73458837113494	3184.73458837113494	76.16310710552036	76.4741718256061	
249	495509	-207261.1413	1055737.3170250766	39.72178503	-01.5362778	282773.324834882	4405549.390819366	3474.9153364667776	3240.739032018607	3185.362612722129	3185.362612722129	75.7364147973157	75.5985879259855	
250	495510	-206601.1413	1055737.3170250766	39.72179923840763	-01.5339315	282974.3463665334	4405545.276	3473.3152325720845	3239.69338286603	3183.360623304048	3183.3444954205186	76.317349825773	76.3481308	
251	495511	-205941.1413	1055737.3170250766	39.7221340620605	-01.5315882	283175.3678170486	4405541.161435652	3471.6793018726048	3238.6188576213217	3181.1981823307409	3181.1981823307409	77.4186573301273	77.391401045898	
252	495512	-205281.1413	1055737.3170250766	39.7222752854224	-01.529239	283376.388583476	4405537.407107502	3470.070791363095	3237.500410038398	3180.758094	3180.758094	78.5213667666017	78.5213667666017	
253	495513	-204621.1413	1055737.3170250766	39.722421591471	-01.526974	283578.409737088	4405533.273798927	3468.48046387865	3236.4271058587092	3180.758094	3180.758094	78.5213667666017	78.5213667666017	
254	495514	-203961.1413	1055737.3170250766	39.72256337227516	-01.5245484	283778.42995023646	4405528.819177685	3466.64121541709	3235.093697974255	3183.3526415201367	3183.3526415201367	78.5213667666017	78.5213667666017	
255	495515	-203301.1413	1055737.3170250766	39.7226962357651	-01.5222002	283979.5043148943	4405524.70557013	3465.572354246637	3233.767296973895	3180.54615129699124	3180.54615129699124	83.3057801686827	83.3057801686827	
256	495516	-202641.1413	1055737.3170250766	39.722835459637	-01.5198539	284180.470647187	4405520.5215468	3463.3182243						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfElev.f	LatDec.f
327	400	295997	-149181.1413	1055737.3170250766	39.73726225	-101.329803	300462.4176725465	4005188.213905521	3290.9726589085963	11.6865808378371	3015.3092859643545	3014.20223232533984	39.34857138401651	94.45647982497258
338	400	29600	-148521.1413	1055737.3170250766	39.7372747077581	-101.327467	300683.42119696024	4005184.120281814	3287.9623199862813	3017.2393320004272	3013.274391375954	3012.166804474747	39.37649356285604	94.45647982497258
339	400	295998	-147861.1413	1055737.3170250766	39.737326476913054	-101.328133	300684.4206498914	4005180.302698974	3286.511717227389	3015.739254827546	3009.884291777375	3014.20223232533984	39.34857138401651	94.45647982497258
340	400	296000	-147021.1413	1055737.3170250766	39.73732978267574	-101.322764	301065.4278162625	4005173.93309693	3286.565505406619	3104.280425363153	3008.6198876235226	3007.378855400686	95.66077374	96.90156981490918
341	400	296001	-146541.1413	1055737.3170250766	39.73733287062904	-101.3204177	301266.430361491	4005171.84160655	3286.61698407149	3102.7460095411293	3005.68860167335	3004.6176872249137	97.05740937379414	98.12832321620996
342	400	296002	-145881.1413	1055737.3170250766	39.737331291325118	-101.3180713	301467.4330743931	4005167.748602582	3286.61698407149	3101.76481928755	3002.403115250004	3001.6541260200163	98.5223592673878	99.5223592673878
343	400	296003	-145221.1413	1055737.3170250766	39.73732291054215	-101.315725	301668.45389317255	4005163.65628632	3286.620664315051	3099.5731431993077	2999.26821540938	2998.583762146038	100.30492779000051	100.9900567234465
344	400	296004	-144561.1413	1055737.3170250766	39.7373266250197	-101.313778	301869.437837033	4005159.56421223	3286.61698407149	3094.3764329965	2996.40388505997	2995.975358742638	101.5253786213676	101.5253786213676
345	400	296005	-143901.1413	1055737.3170250766	39.73732476913054	-101.311623	302070.4389411569	4005156.23279309	3286.565505406619	3096.25710167426	2994.273743200218	2994.2573918412384	101.5333276562018	101.5333276562018
346	400	296006	-143241.1413	1055737.3170250766	39.7373250042793	-101.308968	302271.4418518513	4005151.380787921	3282.017218972584	3043.53655890527	2995.14991591112	2994.7671189736046	99.3870406894051	99.74083762174814
347	400	296007	-142581.1413	1055737.3170250766	39.7373624369405	-101.306398	302639.43245692111	4005147.289438035	3282.017218972584	3092.771301572759	2998.2675325364033	2997.99536512875	94.5037689763579	94.5037689763579
348	400	296008	-141921.1413	1055737.3170250766	39.7373721702894	-101.303993	302673.4505934827	4005143.198296349	3279.5917697183513	3056.95679567012	3003.899504322968	3003.753811604258	97.05729137464397	97.05729137464397
349	400	296009	-141261.1413	1055737.3170250766	39.737381942335234	-101.301469	302874.4464	4005139.104672739	3278.4020254717513	3089.080216794969	3010.833173431013	3008.875491555066	78.20759432455586	78.20759432455586
350	400	296010	-140601.1413	1055737.3170250766	39.737391622304814	-101.2993006	303075.44756358326	4005130.926833712	3277.2488212330836	3067.18886640763617	3017.475239285888	3017.46187636173017	69.6932714309693	69.6932714309693
351	400	296011	-139941.1413	1055737.3170250766	39.73740125694582	-101.2968542	303276.448596253	4005130.926833712	3276.6085521739383	3065.1909662927813	3022.7312462004483	3022.564786295963	60.61733592723448	60.61733592723448
352	400	296012	-139281.1413	1055737.3170250766	39.73741084625546	-101.2946079	303477.4493	4005126.836310968	3281.536397621837	3083.1559147834683	3024.1963875380134	3024.020640719502	58.95827245534045	58.95827245534045
353	400	296013	-138621.1413	1055737.3170250766	39.73742039023377	-101.2922615	303678.44882572657	4005126.7484098325	3281.536397621837	3081.0625264540086	3024.3397781444014	3025.608530946239	56.72274830067238	56.72274830067238
354	400	296014	-137961.1413	1055737.3170250766	39.7374289880685	-101.2899152	303879.4501957797	4005118.656750243	3281.367482	3089.910569411596	3023.682771574201	3025.200749145136	53.71049149706614	53.71049149706614
355	400	296015	-137301.1413	1055737.3170250766	39.73743934	-101.2878569	304080.450342244	4005114.567332089	3229.94534334348	3076.701232771106	3022.7305188980667	3022.46184536334	53.93069417303923	53.93069417303923
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360	400	296020	-134001.1413	1055737.3170250766	39.73748592802366	-101.2758731	305085.4483398177	4005094.123662521	3193.282574000028	3064.917082294458	3018.259533768274	3018.153859581573	47.1142091761838	45.8569343473148
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ix	iy	x	Y.r	Latitude	Longitude	UTM.Y	SurfElev.	W.L.	BRrElevKgs.f	BRrElevBothKgs.f	SatThkLogs.f	SatThkBoth.f	
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469	400	295729	-62061.14133	1055737.3170250766	39.747219868878355	-10.0200819	326983.267092307	4040469.954200531	3047.445975058462	2873.5187013745885	2888.36706047942	2887.714449308386	0
470	400	295730	-61401.14133	1055737.3170250766	39.7472241089631	-10.0177355	327194.26408005543	4040465.892492737	3060.4051937634304	2873.6476533410064	2887.1466439348496	2886.5803798911	0
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472	400	295732	-60061.14133	1055737.3170250766	39.74723263195296	-10.0130427	327596.2571363196	4040457.789356196	3073.522835613895	2873.570052242717	2884.4326549549538	2884.33711107246	0
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475	400	295735	-58011.14133	1055737.3170250766	39.74724462951571	-10.0060035	328199.14765129164	4040465.587560701	3078.8207347442094	2874.07665364124	2880.659719162601	2880.175336690514	0
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483	400	295743	-52821.14133	1055737.3170250766	39.74727510505196	-10.0073223	329806.9651267835	4040593.112714433	3038.67326790193	2873.450215674145	2877.133576993181	2878.07521870141	0
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487	400	295747	-50181.14133	1055737.3170250766	39.74728925	-10.00778467	330610.782884627	4040576.8802549085	3033.251956502432	2872.620581179285	2891.414642286607	2892.073681642878	0
488	400	295748	-49521.14133	1055737.3170250766	39.74729267893874	-10.0055003	330811.8494132251	4040572.82266244	3021.2039543843453	2872.38447947969	2893.430606032955	2894.000310159548	0
489	400	295749	-48861.14133	1055737.3170250766	39.74729605716896	-10.00317358	331012.825777482	4040568.76572498	3009.1559354732588	2872.153870840638	2894.918639457716	2895.394103097916	0
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492	400	295752	-46881.14133	1055737.3170250766	39.74730592297685	-10.0036114	331615.738954628	4040556.49576111	2985.787924698487	2871.6951781111	2898.502611294949	2899.061471268123	8.8431678154536
493	400	295753	-46221.14133	1055737.3170250766	39.74730911949882	-10.00367862	331816.72960018466	4040552.539670645	2998.925363557914	2871.225143658576	2899.0771000963	2899.656904	0
494	400	295754	-45561.14133	1055737.3170250766	39.74731227161155	-10.00161248	332017.70514785853	4040548.48362925	3002.0619278672403	2871.02000425862	2902.997192748204	2898.79479629674	0
495	400	295755	-44901.14133	1055737.3170250766	39.74731538	-10.00590754	332218.680532737	4040544.428	3007.300406767012	2870.785562775598	2894.923854	2895.863399478462	0
496	400	295756	-44241.14133	1055737.3170250766	39.74731843983771	-10.0056729	332419.655751382	4040540.372	3004.648005259683	2870.575967100663	2890.442411800005	2891.528462184274	0
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502	400	295762	-40281.14133	1055737.3170250766	39.74733586552251	-10.00426506	333625.03507871899	4040516.405	3005.2926544423945	2869.428178644536	2865.0747924948614	2867.200363954394	4.33336149692142
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512	400	295772	-33681.14133	1055737.3170250766	39.74736215767529	-10.0019185	33						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIElevKgr.ft	BRIElevBothKgr.ft	SatThLog.s	SatThBoth.ft
589	490	298489	17138.8586730335	1055737.3170250766	39.7440500278383	-100.7385129	110939.66976914444	4044164.263834564	267.79037256816637	267.75698580840815	2719.874618295468	2720.88659113998	0	0
590	490	29850	17198.8586730335	1055737.3170250766	39.74443829203315	-100.736164	351310.630523509	4044160.23092185	278.344075922835	267.690528791195	2719.580796762826	2720.729036998981	0	0
591	490	29851	17048.8586730335	1055737.3170250766	39.74398413440781	-100.73982	351511.5913283716	4044156.190249238	278.958586929861	267.574033718921	2719.431321324467	2720.39004817451	0	0
592	490	29852	19118.8586730335	1055737.3170250766	39.740126714247	-100.7314736	351123.1551935681	4044152.165815723	278.3217011717765	266.953290620979	2719.964017761453	2720.414692031901	0	0
593	490	29853	19778.8586730335	1055737.3170250766	39.74399931262074	-100.7291272	351913.5123657135	404414.133621615	278.044719015906622	267.578950515733	2717.8961252148065	2717.483301258366	0	0
594	490	29854	20438.8586730335	1055737.3170250766	39.7340855004487	-100.7267808	352113.152144727	404414.11666921	277.694102063558	266.510910235955	2716.090717039283	2717.763311928554	0	0
595	490	29855	21098.8586730335	1055737.3170250766	39.73439712350154	-100.7244344	352315.4238091247	404410.06995121	277.70969306973	266.3654897248063	2713.090871	2714.845783147601	0	0
596	490	29856	21758.8586730335	1055737.3170250766	39.7349565162137	-100.722088	352516.39281773305	4044136.03847511	276.849676202904	266.173705910983	2708.881362	2710.5316608722	0	0
597	490	29857	22418.8586730335	1055737.3170250766	39.73498413440781	-100.7191716	352717.3527	4044152.007239182	276.858586929861	265.924738	2705.138413870824	2706.0965183897463	0	0
598	490	29858	23078.8586730335	1055737.3170250766	39.7343257186121	-100.7179552	352918.3124102883	404417.97542025	275.864641406706	265.72525661503	2707.02932381677	2701.40719738348	0	0
599	490	29859	23738.8586730335	1055737.3170250766	39.7343096386124	-100.7150488	353119.2719944083	4044123.95484232	275.3556533	265.640432064037	2695.1514807581857	2696.25107	0	0
600	490	29860	24398.8586730335	1055737.3170250766	39.73439391	-100.7127023	353320.231437504	404419.154865792	274.783246739238	264.5176754825034	2690.112965004543	2691.231725261373	0	0
601	490	29861	25058.8586730335	1055737.3170250766	39.7343781222151	-100.7103559	353521.1907396957	404415.84686896	274.599915939536	265.322135281974	2685.388157345536	2686.8065881263283	0	0
602	490	29862	25718.8586730335	1055737.3170250766	39.734386834176	-100.7080095	353722.1499011244	404411.85464936	274.221593730123	265.4801336340065	2680.827435362405	2682.062242454	0	0
603	490	29863	26318.8586730335	1055737.3170250766	39.7343509128744	-100.7056831	353923.1089221034	404410.742848661	274.1160470192944	264.649793413506	2676.412798097508	2678.062725191411	0	0
604	490	29864	27038.8586730335	1055737.3170250766	39.7343244582526	-100.703167	354124.067802205	4044103.795	274.832735624539	264.6830097945934	2672.107832	2673.028174776804	0	0
605	490	29865	27698.8586730335	1055737.3170250766	39.7343803470305	-100.7009703	354325.026543305	404409.756963586	274.4500007308428	264.519378046821	2667.9351870705227	2669.048108200396	0	0
606	490	29866	28358.8586730335	1055737.3170250766	39.7347348394032	-100.6986239	354525.9651441886	404405.763881081	274.617765317622	264.312756516262	2663.735308	2665.2451573432976	0	0
607	490	29867	29018.8586730335	1055737.3170250766	39.734764688437	-100.696275	354726.9430528677	4044091.780037669	274.952252767687	264.4182151297573	2659.572490777463	2660.986184974356	0	0
608	490	29868	29678.8586730335	1055737.3170250766	39.7347443506516	-100.6939311	354927.901926309	404407.67439337	274.82997625464	263.9260713022534	2655.4187059062842	2656.7883107539396	0	0
609	490	29869	30338.8586730335	1055737.3170250766	39.7347323185275	-100.6915847	355128.860193249	404405.65109282	274.71076948271	263.8788854606	2646.7923500898276	2647.132384079663	0	0
610	490	29870	30998.8586730335	1055737.3170250766	39.737026530711	-100.6892382	355329.8115826776	4044079.623	273.595413402018	263.650306849518	2644.585233410731	2644.1280909693	0	0
611	490	29871	31658.8586730335	1055737.3170250766	39.734334326828	-100.686918	355578.216257007	404407.68685677	273.4014685853487	263.429218275558	2643.792145790744	2643.792145790744	0	0
612	490	29872	32318.8586730335	1055737.3170250766	39.7343593216185	-100.684554	355731.738230794	404407.567410988	274.996762222701	263.497802	2637.395021195403	2637.1621420315387	0	0
613	490	29873	32978.8586730335	1055737.3170250766	39.73436392	-100.682199	355932.69145054196	404407.540003218	273.98175524487	263.71997	2631.99975	2631.405192965268	0	0
614	490	29874	33638.8586730335	1055737.3170250766	39.7346105792376	-100.6798526	356133.6488397852	404405.512834794	270.96474826709	262.840270691004	2629.049885004982	2628.788972502447	0	0
615	490	29875	34298.8586730335	1055737.3170250766	39.734735907	-100.6775962	356334.602918182	404405.05985595	269.99323584957529	262.17599864454	2624.863940569668	2624.6102763390227	2.2940580747854256	2.54772230541307
616	490	29876	34958.8586730335	1055737.3170250766	39.73456894040	-100.6751598	356535.653004445	4044055.49521506	269.30570693962	262.5372240146834	2620.826647768571	2620.623170579578	4.45549237826336	4.749096967256356
617	490	29877	35618.8586730335	1055737.3170250766	39.734561075772	-100.673468	356736.5308598739	404405.433	268.7911848374895	262.5372240146834	2620.826647768571	2620.623170579578	4.45549237826336	4.749096967256356
618	490	29878	36278.8586730335	1055737.3170250766	39.7345185446716	-100.670487	356937.515710804	404407.40582722	268.4014685853487	262.5372240146834	2620.826647768571	2620.623170579578	4.45549237826336	4.749096967256356
619	490	29879	36938.8586730335	1055737.3170250766	39.734926041986	-100.6681206	357138.43195959	404403.3808781	267.64329461790294	261.91972077490739	2607.14552792513	2606.5215015616	12.826587	13.4502598093964
620	490	29880	37598.8586730335	1055737.3170250766	39.734367245234	-100.6657742	357339.39008423	404403.354850478	267.0142177782914	261.8139450325223	2603.126654622268	2602.729149898993	14.81875470529552	15.13400025237961
621	490	29881	38258.8586730335	1055737.3170250766	39.734341213135	-100.6634278	357540.34751171556	404403.329	266.5018886189	261.6270970395006	2600.342778934524	2599.8235166335	15.028191465255186	16.4477052317464
622	490	29882	38918.8586730335	1055737.3170250766	39.7343414707697	-100.6610814	357741.303026407	404403.314098612	266.017350034904	261.4369595311085	2599.252956737956	2598.95137923222	15.05490981872905	16.4500981872905
623	490	29883	39578.8586730335	1055737.3170250766	39.7343787	-100.6587429	357942.2691720214	4044027.2962649	265.621010059543	261.404709302877	2599.23551500841	2599.2352767983894	13.16917802445585	13.191437802445585
624	490	29884	40238.8586730335	1055737.3170250766	39.734334326828	-100.656985	358142.61257007	404402.35406233	265.46492758108	261.429473387814	2598.27689167329	2598.51134587142	11.5048982042795	11.91633800727293
625	490	29885	40898.8586730335	1055737.3170250766	39.734332713867	-100.6540241	358344.122580664	4044019.2367743	265.025675005472	261.2940456626994	2598.261369037585	2598.654398849373	9.78766678026163	9.78766678026163
626	490	29886	41558.8586730335	1055737.3170250766	39.7343041526207	-100.6519657	358545.12810477626	4044015.205470376	264.300482120495	260.468975764784	2595.50820690313	2595.92161395577	10.04906967315968	10.52772978019625
627	490	29887	42218.8586730335	1055737.3170250766	39.7343273805234	-100.6493493	358746.883195508	4044011.18114214	264.14239412406	260.454462880763	2591.168926740385	2591.443716982363	13.284597263886	13.01171980252396
628	490	29888	42878.8586730335	1055737.3170250766	39.7343261550946	-100.6470029	358947.038913979	404400.71590973	260.4463612110013	260.2461120233928	2587.445060248852	2587.56138218125	11.01605997451452	14.899738042141507
629	490	29889	43538.8586730335	1055737.3170250766	39.734216478347	-100.6446569	359147.948352121	4044003.13409919	260.074909647782	2598.6135421729073	2588.6135421729073	2588.7181246018248	14.85734614601056	14.85734614601056
630	490	29890	44198.8586730335	1055737.3170250766	39.7341863422719	-100.6423101	359348.950326025	4044009.11665548	260.054295838739	2598.45416826274	2588.256576575267	2588.256576575267	13.28066511100559	13.29506387617124
631	490	29891	44858.8586730335	1055737.3170250766	39.734208965772	-100.640538	359549.850829258	404400.339023493	260.054295838739	2598.45416826274	2588.256576575267	2588.256576575267	13.28066511100559	13.29506387617124
632	490	29892	45518.8586730335	1055737.3170250766	39.734174200515	-100.6376173	359750.860458707	4043991.04609235	260.043061166339	2598.45416826274	2588.256576575267	2588.256576575267	13.28066511100559	13.29506387617124
633	490	29893	46178.8586730335	1055737.3170250766	39.73430932279665	-100.6352709	359951.815348148	4043987.402471	260.043061166339	2598.45416826274	2588.256576575267	2588.256576575267	13.28066511100559	13.29506387617124
634	490	29894	46838.8586730335	1055737.3170250766	39.7343061285505	-100.6329425	360152.701163327	4043981.0968757	260.043061166339	2598.45416826274	2588.256576575267	2588.256576575267	13.28066511100559	13.29506387617124
635	490	29895	47498.8586730335	1055737.3170250766	39.73430888306	-100.6305781	360353.7247056289	4043979.975542083	260.043061166339					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLoKgr.f	BREIEvBothKgr.f	SatHtLoKgr.f	SatHtBoth.f
75	400	295975	100298.58687307335	105573.7310250766	39.7386981988733	-100.4428667	376429.68005183927	4043657.999498688	2721.416626991237	253.6810350156027	2554.667800327028	2554.332266745776	29.27834368857465	29.27837662868274
716	400	295976	100598.58687307335	105573.7310250766	39.7386980050722	-100.4402033	376630.6246254947	4043653.9968209	2720.686418161822	2552.32944384657	2553.3435625575963	2553.16326248497	29.27841119681364	29.27841119681364
717	400	295977	101618.58687307335	105573.7310250766	39.7386980689826	-100.4381739	376851.56898576547	4043649.994106651	2719.995615106653	2551.2217532406879	2553.1734961768682	2551.962125713842	29.27842213815693	29.27842213815693
718	400	295978	102728.58687307335	105573.7310250766	39.73784948407046	-100.4350275	377032.5122272915	4043645.991768119	2718.2206005809515	2579.68711603691	2559.997678149128	2550.9001632783143	28.96904332376723	28.96904332376723
719	400	295989	102038.58687307335	105573.7310250766	39.7386980058336	-100.4334811	377233.45734630764	4043641.986969595	2717.27445675875	2578.3309542938136	2549.928712862135	2549.89107808107304	28.43985236830346	28.43985236830346
720	400	295980	102958.58687307335	105573.7310250766	39.73786180742783	-100.4311348	377434.4013535164	4043637.987807268	2716.41010658707	2576.949548314142	2549.79642918722	2549.750525955457	27.15318395419824	27.15318395419824
721	400	295981	104258.58687307335	105573.7310250766	39.7386986889366	-100.4287884	377635.3452455616	4043633.986819819	2715.9287535	2575.5455059425	2549.0355548516314	2549.0355548516314	26.50995274126174	26.50995274126174
722	400	295982	104918.58687307335	105573.7310250766	39.73847485119695	-100.426442	377836.2890196587	4043629.984993798	2714.7119860202467	2549.3365238494161	2548.443731598673	2548.443731598673	25.7545641006558	25.7545641006558
723	400	295983	105618.58687307335	105573.7310250766	39.7384025959732	-100.4246966	378037.2238769187	4043625.983652797	2713.67151066553	2547.85343496481	2547.85343496481	2547.85343496481	24.8894226582516	24.8894226582516
724	400	295984	106238.58687307335	105573.7310250766	39.738529148274	-100.4217493	378238.1727228013	4043621.982744442	2695.675595757007	2571.20682055293	2547.144148024755	2547.144148024755	24.06257830357788	24.06257830357788
725	400	295985	106898.58687307335	105573.7310250766	39.7382556166601	-100.4194029	378439.1196512634	4043617.982074331	2687.96859074683	2569.718244804982	2547.3032532830734	2547.3032532830734	22.14991522124183	22.14991522124183
726	400	295986	107558.58687307335	105573.7310250766	39.73781829651708	-100.4170655	378640.062965541	4043613.981642387	2681.637762161	2568.207981723597	2547.0239043471033	2547.0239043471033	21.184077376292407	21.184077376292407
727	400	295987	108218.58687307335	105573.7310250766	39.7378108860305	-100.4147102	378841.0613600077	4043609.981	2678.204714105028	2566.6771985712508	2546.79644301287	2546.79644301287	20.19536457813072	20.19536457813072
728	400	295988	108878.58687307335	105573.7310250766	39.737803022286	-100.4123638	379041.9492	4043605.981493415	2678.346999399517	2565.126879353025	2546.648511822386	2546.648511822386	18.6895760128399	18.6895760128399
729	400	295989	109538.58687307335	105573.7310250766	39.737695907755	-100.4100744	379242.89221586054	4043601.9831775796	2676.48593974488	2563.567407215025	2545.85006838113	2545.85006838113	17.07346372117177	17.07346372117177
730	400	295990	110188.58687307335	105573.7310250766	39.7376832620017	-100.407671	379443.8350770729	4043597.982269428	2678.58168909093	2561.96891607247513	2544.2473471708054	2544.2473471708054	17.22230239245937	17.22230239245937
731	400	295991	110658.58687307335	105573.7310250766	39.7378079079068	-100.4053247	379644.7781149693	4043593.983056521	2678.7136198739202	2560.362147	2543.913884851698	2544.352248387574	16.00989716961248	16.00989716961248
732	400	295992	111158.58687307335	105573.7310250766	39.737731534911	-100.4029783	379845.7204	4043589.9845771	2676.81935839653	2558.737018778291	2543.7905404817257	2543.7905404817257	15.476139610314	15.476139610314
733	400	295993	111728.58687307335	105573.7310250766	39.7376547147154	-100.4006319	380046.626951505	4043585.98528067	2679.0775548191	2557.0963218053125	2542.10660783049	2542.10660783049	13.98712971555915	13.98712971555915
734	400	295994	112388.58687307335	105573.7310250766	39.73735714336960	-100.3982585	380247.6053512505	4043581.9861749	2679.2594511231766	2554.839196467255	2542.722195206808	2542.722195206808	12.12743419474693	12.12743419474693
735	400	295995	113498.58687307335	105573.7310250766	39.73749740213214	-100.3959392	380448.547637368	4043577.984873058	2677.321735534478	2553.766588979884	2540.781903018295	2540.781903018295	11.55932689619456	11.55932689619456
736	400	295996	114158.58687307335	105573.7310250766	39.7374151762434	-100.3935928	380648.4898110281	4043573.99047328	2676.280841781729	2552.9758951846	2541.21386559542	2542.06621949436	10.88849591691757	10.88849591691757
737	400	295997	114818.58687307335	105573.7310250766	39.7373691655516	-100.3912654	380849.249531958	4043569.992510524	2675.34470192592	2550.2524300158971	2540.8311027358493	2540.8311027358493	9.8156102739451	9.8156102739451
738	400	295998	115478.58687307335	105573.7310250766	39.73737827802703	-100.389001	381051.3789134548	4043565.995	2676.1890923827	2546.668903891914	2537.9802430020023	2539.92510257032	8.74307332159257	8.74307332159257
739	400	295999	116138.58687307335	105573.7310250766	39.7373184236138	-100.3865537	381252.9156547246	4043561.99730700	2676.829013237604	2546.945670200873	2537.1105069187893	2539.2791064608	7.66653749147918	7.66653749147918
1	400	296000	116798.58687307335	105573.7310250766	39.7371042456374	-100.3842073	381453.2573778571	4043558.00024646	2678.43118996417	2545.21791558564	2538.9739735410685	2538.9739735410685	6.27356614769657	6.27356614769657
1	400	296001	370941.1413	1063937.310250766	39.76907363360186	-102.1181493	232917.0876976028	40678.72615208	3566.222646041145	3494.5072937653173	3494.5072937653173	3494.5072937653173	72.6761689289923	72.6761689289923
2	400	296002	370281.1413	1063937.310250766	39.76909090976277	-102.1158033	233118.1680981624	406774.55074835	3577.704083581622	3493.217362365907	3493.217362365907	3493.217362365907	72.5354832365863	72.5354832365863
3	400	296003	369621.1413	1063937.310250766	39.76912449378728	-102.1136573	233319.2482331458	406770.756239191	3574.83972562391	3492.725667955417	3492.725667955417	3492.725667955417	67.33047815987	67.33047815987
4	400	296004	368041.1413	1063937.310250766	39.76912449378728	-102.1111112	233520.281063933	406776.201	3570.870167652297	3490.801559073297	3490.801559073297	3490.801559073297	67.33047815987	67.33047815987
5	400	296005	368301.1413	1063937.310250766	39.769175178110544	-102.1087652	233721.407744973	406773.05210672	3578.896807010528	3495.120240966722	3485.06523700506	3485.06523700506	71.9262541400689	71.9262541400689
6	400	296006	367641.1413	1063937.310250766	39.7692045099633	-102.1064192	233922.48705887143	406767.851862107	3572.92515375526	3557.35413185847	3482.590802	3482.590802	70.196305769634	70.196305769634
7	400	296007	366981.1413	1063937.310250766	39.76922567856131	-102.1040732	234123.5661397216	406763.677496881	3571.0497249700534	3555.89183958007	3481.9775221523564	3481.9775221523564	69.7847319336875	69.7847319336875
8	400	296008	366231.1413	1063937.310250766	39.76925086	-102.1017272	234324.6445972482	406749.504	3571.261979	3553.837627440616	3482.7504826492254	3482.7504826492254	69.12580809432368	69.12580809432368
9	400	296009	365661.1413	1063937.310250766	39.769276	-102.0993812	234525.7235167848	406745.238959587	3571.488955485865	3552.078135895483	3482.042963108435	3482.042963108435	67.9231727840748	67.9231727840748
10	400	296010	365091.1413	1063937.310250766	39.7693016853081	-102.0970513	234716.90180319725	406741.95647728	3571.70929092693	3550.2524300158971	3481.40950183346	3481.40950183346	67.104310119177	67.104310119177
11	400	296011	364241.1413	1063937.310250766	39.76932614	-102.0946891	234927.8798320057	406736.928379157	3571.741969323887	3548.5796902495057	3480.72563253533	3480.72563253533	66.7930673412202	66.7930673412202
12	400	296012	363681.1413	1063937.310250766	39.76935113657214	-102.0923431	235128.957983533	406732.81335336	3578.17601224963	3546.829439128017	3482.01293721819	3482.01293721819	64.821540619802	64.821540619802
13	400	296013	363021.1413	1063937.310250766	39.76937690221117	-102.0899971	235330.3051	406730.63753753	3545.08984019185	3484.3944556102578	3481.63455649673	3481.63455649673	60.97002653437	60.97002653437
14	400	296014	362361.1413	1063937.310250766	39.76940100252902	-102.087651	235531.1123447715	406720.46180399	3578.94806519113	3543.345755181844	3495.05388005489	3495.05388005489	49.9559491662743	49.9559491662743
15	400	296015	361701.1413	1063937.310250766	39.76942586752567	-102.085305	235732.189357657	406720.293	3572.95868781927	3541.608183842042	3489.104818688158	3489.104818688158	45.90369913788405	45.90369913788405
16	400	296016	361041.1413	1063937.310250766	39.76945006720106	-102.082929	235933.2604250134	406716.11020359	3574.8737569775302	3489.7285479813	3488.402591679637	3488.402591679637	41.654097789906	41.654097789906
17	400	296017	360381.1413	1063937.310250766	39.7694750937678	-102.080689	236134.249531958	406712.949225096	3574.83972562391	3489.7285479813	3488.402591679637	3488.402591679637	39.469091982170598	39.469091982170598
18	400	296018	359721.1413	1063937.310250766	39.76950019058793	-102.078269	236334.35814869541	406707.77801167	3578.3445448					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Ln.	BR/ElevLogsKgm	BR/ElevBothKgm	LatHtBothKgm	SatHtBoth.ft
227	401	296227	-221781.1413	1056397.3170250766	37.73677391	-105.5879152	278354.92999771147	44050841.286589151	3502.36270148836895	3252.214084768234	3187.80473537706664	3187.710075341954	71.50400948267994	
228	401	296228	-221211.1413	1056397.3170250766	37.7368912485955	-105.5855688	278555.9550974748	44050837.16230689	3496.79680374605	3258.366707679471	3188.027807125608	3187.6787842	70.48872358487306	
229	401	296229	-220661.1413	1056397.3170250766	37.7370342996615	-105.5832228	278766.3616041827	44050833.68115222	3492.282665677801	3257.832787125616	3188.411922689138	3187.675956714706	69.66214208897535	
230	401	296230	-219801.1413	1056397.3170250766	37.7373491010961	-105.5808762	278958.7080111557	44050829.92624191	3491.65652174857	3256.709052483005	3188.428897149093	3188.288794684579	67.8666213334524	
231	401	296231	-219141.1413	1056397.3170250766	37.7373448474026	-105.5785299	279159.0323408855	44050824.8066171792	3490.6562379274948	3255.89276436107	3189.45210883699	3189.06136156387	66.6314042662314	
232	401	296232	-218481.1413	1056397.3170250766	37.73734951404129	-105.5761836	279360.573835857	44050820.687	3491.056631550231	3255.07990701636	3190.124618456617	3189.210955668034	65.86981974399461	
233	401	296233	-217821.1413	1056397.3170250766	37.7373464801262	-105.5738373	279561.082	44050816.56807805	3491.8467599051498	3254.268899144006	3190.8322672017975	3190.8322672017975	64.6327124220835	
234	401	296234	-217161.1413	1056397.3170250766	37.737373666827	-105.571491	279762.1068181778	44050812.449176206	3492.6368882179195	3253.4585152310133	3191.484311063477	3190.23913001281	63.4240071	
235	401	296235	-216501.1413	1056397.3170250766	37.73737043296615	-105.5691447	279963.1321156834	44050806.330516196	3493.262378125616	3252.842787125616	3191.83279139128877	3190.75624826104	62.11311321306389	
236	401	296236	-215841.1413	1056397.3170250766	37.737399177948394	-105.5667584	280164.1553802045	44050804.17214067	3491.0830326108347	3252.84271210467	3192.132814903567	3190.8305621336223	60.100217102174865	
237	401	296237	-215181.1413	1056397.3170250766	37.73823806067095	-105.5644251	280365.1793848761	44050800.03932901	3489.7837442368438	3251.012273750851	3191.8827433389993	3190.268357610759	59.1293034117658	
238	401	296238	-214521.1413	1056397.3170250766	37.73838739123141	-105.5621057	280566.203036972	44050795.9791905	3488.484475250685	3250.184123084016	3191.0735887533693	3189.622226291414	58.1053433076222	
239	401	296239	-213861.1413	1056397.3170250766	37.7383534991674	-105.5597594	280767.2266236972	44050791.85830162	3487.56921094576	3249.1747264899016	3189.7157115730084	3189.046615041072	56.9320149813205	
240	401	296240	-213201.1413	1056397.3170250766	37.73886812	-105.5574131	280968.2493636479	44050787.74085471	3487.03795257387	3248.502366959443	3187.640011433497	3186.87267284535	56.06225616093535	
241	401	296241	-212541.1413	1056397.3170250766	37.738732791209	-105.5550668	281169.2370356225	44050783.62350015	3486.506780320157	3247.6472687016204	3185.035091591202	3184.6171983991127	55.16213671106178	
242	401	296242	-211881.1413	1056397.3170250766	37.7387931391157	-105.5527205	281370.299193102	44050779.5068678935	3485.974573820473	3246.78156589037	3182.119130580563	3180.961255736153	54.6623253	
243	401	296243	-211221.1413	1056397.3170250766	37.7391184448832	-105.5503741	281571.318588297	44050775.3899682965	3484.8082195887923	3245.9045886758036	3179.197945488463	3179.023083699167	53.667606418734043	
244	401	296244	-210561.1413	1056397.3170250766	37.73926330915506	-105.5480278	281772.3410247343	44050771.273	3483.8401494937691	3245.0147670880174	3176.37871826975	3175.65637836518	52.75566381826222	
245	401	296245	-209901.1413	1056397.3170250766	37.7394707	-105.5456815	282174.363827484	44050767.15254599	3481.20177	3244.10136318287	3173.3443704984484	3170.2216701544778	50.7657651883963	
246	401	296246	-209241.1413	1056397.3170250766	37.73957164634906	-105.5433252	282174.3854086923	44050763.041	3479.385456354894	3243.1888464284747	3171.76099	3171.8884624988437	49.71806476286643	
247	401	296247	-208581.1413	1056397.3170250766	37.7396951386795	-105.5409889	282576.4072207138	44050767.795925912954	3477.769525905378	3242.246834460203	3169.92573037828	3169.68748949789	47.72321130587234	
248	401	296248	-207921.1413	1056397.3170250766	37.7396381801091	-105.538425	282676.428193002	44050754.81005584	3476.314711182927	3241.284127589864	3168.150630072092	3167.846159551478	46.33983162475007	
249	401	296249	-207261.1413	1056397.3170250766	37.73973037874	-105.535986	282776.4500377147	44050750.826	3475.282357518487	3240.258235819487	3167.282357518487	3167.282357518487	45.0081813	
250	401	296250	-206601.1413	1056397.3170250766	37.7401220066416	-105.5339989	282978.4713752267	44050745.97911905	3474.055168178744	3239.279893094966	3164.261131807448	3164.4013452012574	43.75187618024883	
251	401	296251	-205941.1413	1056397.3170250766	37.7402654808982	-105.5316306	283179.492335378	44050742.464839424	3472.098515216104	3238.2046727389848	3161.920281539732	3162.1545246665037	42.708140420716296	
252	401	296252	-205281.1413	1056397.3170250766	37.74040580801255	-105.5295252	283380.5130791096	44050738.354206179	3470.940179596624	3237.16554254856	3159.2493475502096	3159.536960427824	41.79120670456036	
253	401	296253	-204621.1413	1056397.3170250766	37.74057468817333	-105.5269109	283581.5336	44050734.236107415	3469.7818803975224	3236.084111680415	3156.29485485205445	3156.613194602177	79.37532715987083	
254	401	296254	-203961.1413	1056397.3170250766	37.7406869021754	-105.524546	283782.5533023061	44050730.120055072	3468.623625335378	3234.86396776025	3153.775285232324	3153.775285232324	81.28614471282299	
255	401	296255	-203301.1413	1056397.3170250766	37.7407982693598	-105.5221182	283983.5746001858	44050726.7208	3467.2514741521118	3233.58775253818	3150.282357518487	3150.282357518487	78.22222222222222	
256	401	296256	-202641.1413	1056397.3170250766	37.74103592575	-105.5198179	284184.93593277	44050721.98476672	3465.66245447723	3232.187027703282	3148.9490918609	3148.9490918609	74.0546254330407	
257	401	296257	-201981.1413	1056397.3170250766	37.741051435885	-105.5175256	284385.613696713	44050717.81325598	3464.077545433343	3234.6342346443325	3144.294924342984	3144.294924342984	73.3031303134563	
258	401	296258	-201321.1413	1056397.3170250766	37.741243507936	-105.5151792	284586.63392447	44050713.66829928	3462.439847349545	3228.924192891689	3142.153057605494	3142.153057605494	70.8696458681366	
259	401	296259	-200661.1413	1056397.3170250766	37.7413817046951	-105.5128329	284787.652332674	44050709.55429662	3460.1108739392638	3227.0771541816	3139.711283236351	3140.138169	67.3664321884644	
260	401	296260	-200001.1413	1056397.3170250766	37.7415193052924	-105.5104866	284988.6714029403	44050705.42831786	3456.930480508476	3225.12745	3137.849384862835	3138.2897438844376	68.8297106	
261	401	296261	-199341.1413	1056397.3170250766	37.7416564525835	-105.5081402	285189.690415715	44050704.36742934	3453.7905376188115	3223.10303626347	3136.10684672236	3136.48815031396	86.55439321344106	
262	401	296262	-198681.1413	1056397.3170250766	37.741791673746	-105.505739	285390.708903598	44050702.21838179	3452.58767288354	3221.06277288354	3134.424095242932	3134.424095242932	85.1820815	
263	401	296263	-198021.1413	1056397.3170250766	37.741793258756	-105.5034746	285591.7272865316	44050693.1068428	3451.37079367567	3219.757367567	3132.78326263085	3132.78326263085	85.1550093862565	
264	401	296264	-197361.1413	1056397.3170250766	37.7420051746344	-105.5011012	285792.7454932757	44050688.94864038	3450.019550171827	3216.770804310085	3131.100418798015	3131.14419214867	85.67309343	
265	401	296265	-196701.1413	1056397.3170250766	37.7422005	-105.4987459	285993.764888921	44050716.9380478003	3450.713269106977	3215.700793922027	3129.44272360077	3129.44272360077	85.16422156194984	
266	401	296266	-196041.1413	1056397.3170250766	37.74223353894735	-105.4964085	286194.781276317	44050680.727334039	3450.021250358325	3214.425935642017	3127.785415283451	3128.00624668334	84.64025035975055	
267	401	296267	-195381.1413	1056397.3170250766	37.7423381893416	-105.4940628	286395.79885302973	44050676.614329545	3450.817411450333	3210.230360777628	3126.1904888111903	3126.1904888111903	84.0682815032018	
268	401	296268	-194721.1413	1056397.3170250766	37.74250379108846	-105.4917158	286596.8616201452	44050672.55073397	3448.913081345817	3208.023005421625	3124.4504011650567	3124.4504011650567	83.5959263284716	
269	401	296269	-194061.1413	1056397.3170250766	37.74250379108846	-105.4894284	286803.931958912	44050663.72945628	3448.913081345817	3206.9480215984	3122.720177170352	3122.720177170352	82.8594842984964	
270	401	296270	-193401.1413	1056397.3170250766	37.7428073910777	-105.4870232	286998.850341026	44050661.30118284	3445.712980136817	3203.583277702618	3121.32426818136	3121.32426818136	82.255009710508	
271	401	296271	-192741.1413	1056397.3170250766	37.7430029937109	-105.4846768	287199.8670659471	44050660.2205738	3442.253519961545	3201.36124056838	3119.7653698196	3119.7653698196	81.8956746001721	
272	401	296272	-192081.1413	1056397.3170250766	37.7431351546375	-105.4823305	287400.883967664	44050656.11060043	3438.271511567237	3199.404825504224	3119.45473005453	3119.45473005453	80.05067724419	
273	401	296273	-191421.1413	1056397.3170250766	37.743268622564	-105.4799841	287601.8998189947	44050652.00113441	3434.297703137002	3196.926280755513	3117.899188588679	3117.899188588679	79.44394867224	
274	401	296274	-190761.1413	1056397.3170250766	37.74339811656745	-105.4778378	287802.9163236643							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRiElevLogKrg.ft	BRiElevBothKrg.ft	SatThkLog.s	SatThkBoth.ft	
333	401	296353	-138621.1413	10656397.3170250766	37.75233473415014	-121.2922739	303682.54843145126	405230.34096216635	3522.27560416269	3080.79226938296	3024.459112752456	3025.519248	56.33315628584023	55.2730204849634
354	401	296354	-137961.1413	10656397.3170250766	37.75242972308185	-121.2899275	303683.5485455657	405230.34097371102	3522.093314011567	3078.60059257968	3023.63765193634	3024.8712533938846	53.7653391408337	53.7653391408337
355	401	296355	-137701.1413	10656397.3170250766	37.75252435486678	-121.2878811	304084.5486468045	405231.5810656173	3521.5889351	3076.760112	3022.652324277033	3024.770057689903	53.6972817277874	51.5890356735787
356	401	296356	-136641.1413	10656397.3170250766	37.7526183406774	-121.2852346	304285.5491909089	405311.760008085	3520.765188	3074.044670263757	3021.753958095413	3023.641113634406	52.29071131634406	50.3505571976715
357	401	296357	-135981.1413	10656397.3170250766	37.752721	-121.2828882	304467.54773819275	405310.671677175	3520.940537438887	3071.6926202139476	3020.7986118069765	3022.897411454555	50.8939050427119	48.7951861849213
358	401	296358	-135321.1413	10656397.3170250766	37.7528051455499	-121.2805418	304687.5471	405303.582795093	3519.11588700354	3069.2988979760294	3019.906327454345	3022.4111694555	49.3262703	46.877813047389
359	401	296359	-134661.1413	10656397.3170250766	37.752899786513	-121.2781954	304888.546254781	405209.494154608	3519.602895195988	3066.8671637876	3019.0518138782797	3019.697990786143	47.181613459049604	47.1697203016177
360	401	296360	-134001.1413	10656397.3170250766	37.7529901363262	-121.275849	305089.54521310166	405205.4057057145	3520.3156201176	3046.402653034987	3018.212127793978	3019.2481938527867	46.190525559923	45.1832161208326
361	401	296361	-133341.1413	10656397.3170250766	37.75308197447425	-121.2736028	305290.5459903056	405204.1802657214	3520.1809528114	3045.1308916263668	3017.3886014217787	3018.4110975075287	44.531711460627956	45.46581852197906
362	401	296362	-132681.1413	10656397.3170250766	37.753173147956	-121.2711252	305491.54767389195	405207.220086871	3521.09895715587	3059.3010641201676	3016.569734823555	3017.85277263011	42.471126920912106	41.5283374059676
363	401	296363	-132021.1413	10656397.3170250766	37.753264227885	-121.2688089	305692.5409737049	405208.312208499	3521.0368388585024	3056.82129684637327	3015.7448565467327	3015.01453691702	40.28137870082	39.7698315463142
364	401	296364	-131361.1413	10656397.3170250766	37.7533546479555	-121.266434	305893.5391807393	405207.945575892	3520.514058294031	3054.232060942131	3014.84200590431	3016.2743570902376	39.39005496169966	37.95770385189326
365	401	296365	-130701.1413	10656397.3170250766	37.7534468179569	-121.264117	306094.5371982021	405214.967384831	3519.911727729123	3051.6152987213117	3013.9968688254383	3015.4589271711794	37.6186098053535	36.1562602013223
366	401	296366	-130041.1413	10656397.3170250766	37.753534308076	-121.2617705	306295.530620296	405207.88043314	3518.469467162156	3049.9720941250134	3013.217030825274	3013.76807968394	35.7583829928933	35.186007041013936
367	401	296367	-129381.1413	10656397.3170250766	37.7536232649166	-121.259421	306496.5326652309	405206.793727232	3518.05115597477	3048.303991395344	3012.387487264678	3012.956521794408	33.3472164093929	33.3472164093929
368	401	296368	-128721.1413	10656397.3170250766	37.7537119688476	-121.2570777	306697.5301152121	405202.70260874	3517.431809197968	3043.611960543933	3011.5905130052756	3012.164404751513	32.02144753811717	31.4475197862381
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371	401	296371	-126741.1413	10656397.3170250766	37.75397317584584	-121.2500385	307300.5213334975	405205.449310574	3515.202731192047	3035.38717650096	3009.328968814897	3009.003359	26.0628776860433	26.394816817686205
372	401	296372	-126081.1413	10656397.3170250766	37.7540620049881	-121.2476921	307501.5180297281	405246.363810136	3514.6187313169008	3032.6154020731756	3008.766107580755	3008.32835698399	23.8492315110004	24.2260763747767
373	401	296373	-125421.1413	10656397.3170250766	37.7541443807017	-121.2453456	307702.5108350816	405224.27855118	3514.3043913178	3029.8108409705	3008.27561794851	3007.853976658365	21.532527304854187	21.95608343886648
374	401	296374	-124761.1413	10656397.3170250766	37.754233012884	-121.2429992	307903.5105858414	405228.193531684	3514.01214967133	3027.859625919154	3007.859625919154	3007.859625919154	19.1259329700458	18.0323624676078
375	401	296375	-124101.1413	10656397.3170250766	37.75432197216389	-121.2410413	308109.47989100343	405229.1802657214	3513.6811514248	3026.15632474434	3016.188416	3007.853976658365	6.002110050615875	6.002110050615875
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380	401	296380	-120801.1413	10656397.3170250766	37.7547403156182	-121.2288027	309109.4846163897	405203.1688	3512.1149903348995	3009.556590035175	3009.556590035175	3009.556590035175	0.097116411	0.097116411
381	401	296381	-120141.1413	10656397.3170250766	37.7548323649166	-121.2265743	309310.47989100343	405209.1802657214	3511.82490467816	3008.188416	3007.853976658365	3007.853976658365	0.002110050615875	0.002110050615875
382	401	296382	-119481.1413	10656397.3170250766	37.7549251933924	-121.224278	309514.47790303	405205.423040685	3511.96782677038	3003.7614327333	3003.7614327333	3003.7614327333	0.002110050615875	0.002110050615875
383	401	296383	-118821.1413	10656397.3170250766	37.7549872	-121.2218814	309712.4694307454	405201.943293514	3510.157626344637	3000.788481122536	3007.67830070389	3007.67830070389	0.002110050615875	0.002110050615875
384	401	296384	-118161.1413	10656397.3170250766	37.755068938402	-121.219535	309913.566356359	405207.973663536	3510.065573782456	3007.810948490877	3007.810948490877	3007.810948490877	0.002110050615875	0.002110050615875
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386	401	296386	-116841.1413	10656397.3170250766	37.7552012018085	-121.2148422	310315.45232898743	405198.192145189	3510.0515203865809	2994.8321313297483	2991.137220442024	2990.814244767635	0.002110050615875	0.002110050615875
387	401	296387	-116181.1413	10656397.3170250766	37.7553100411105	-121.2124957	310516.4461390616	405185.1107421168	3510.041905897158	2993.348958678394	2993.348958678394	2993.348958678394	0.002110050615875	0.002110050615875
388	401	296388	-115521.1413	10656397.3170250766	37.7553981687154	-121.2101463	310717.438852391	405173.102837303	3510.03151514248	2995.3415632474434	2992.8193252424374	2992.8193252424374	0.002110050615875	0.002110050615875
389	401	296389	-114861.1413	10656397.3170250766	37.7554677839013	-121.2078023	310918.4338193814	405176.942711955	3510.0312810959497	2992.80584245828	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
390	401	296390	-114201.1413	10656397.3170250766	37.755547408394	-121.2054655	311119.42672715255	405172.969602321	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
391	401	296391	-113541.1413	10656397.3170250766	37.75562562416575	-121.20311	311320.4198881603	405168.785172603	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
392	401	296392	-112881.1413	10656397.3170250766	37.7557033866004	-121.2007638	311521.4128651672	405164.704500307	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
393	401	296393	-112221.1413	10656397.3170250766	37.75578096957029	-121.1984172	311722.4058653795	405160.6240983275	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
394	401	296394	-111561.1413	10656397.3170250766	37.75586519514732	-121.1960707	311923.3983	405156.54387963	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
395	401	296395	-110901.1413	10656397.3170250766	37.7559519771821	-121.1937845	312134.3904265225	405152.3904265225	3510.0312810959497	2992.7763511840517	2992.7763511840517	2992.7763511840517	0.002110050615875	0.002110050615875
396	401	296396	-110241.1413	10656397.3170250766	37.75600903016736	-121.1913779	312325.38203731643	405148.38422233	3510.0312810959497	2992.7763511840517	2992.7763			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgs.fg	BRElevBothK.fg	SatTKLog.s	SatTKBoth.s
479	401	296479	-55461.14133	1065369.3710250766	39.7670733490121	-100.9666228	329007.1211435032	4040810.608898064	3023.0976835616502	2871.8503276885244	2861.4031691529828	2862.215477564141	10.447010737226339	9.634850142383584
480	401	296480	-54801.14133	1065369.3710250766	39.76707121717484	-100.9492634	329208.096	404086.54400033	3028.3844719917133	2871.796596218648	2862.8234286228533	2863.8234286228533	8.97354039625706	7.968349186629073
481	401	296481	-54141.14133	1065369.3710250766	39.7670686331445	-100.9819239	329409.276183094	404082.4901723584	3033.671274835774	2871.7193262973306	2866.4468179564294	2866.551963454318	6.282944071330283	5.16776858294866
482	401	296482	-53481.14133	1065369.3710250766	39.76706856	-100.9894634	329610.05342571296	404086.5441165709	3038.9580740663383	2871.6192770234966	2868.8454743205957	2869.9849902727617	2.773534717539054	1.632426715334912
483	401	296483	-52821.14133	1065369.3710250766	39.76706821039092	-100.987237	329811.0305223908	404079.3423349398	3040.7512895022747	2871.4960077077895	2862.661725185536	2863.79799068264	0.96	0
484	401	296484	-52161.14133	1065369.3710250766	39.76706811592784	-100.9848905	33001.0074504482	404079.313333464	3039.05051254641	2871.3500785523274	2876.6173687092482	2877.714044794324	0	0
485	401	296485	-51501.14133	1065369.3710250766	39.76706937613056	-100.982544	330212.840228993	404078.256566844	3037.3505747495642	2871.1826477495642	2880.4319427336004	2881.38798406906	0	0
486	401	296486	-50841.14133	1065369.3710250766	39.76706888099044	-100.981976	330413.960231345	404078.197643778	3035.650217343348	2870.998775285807	2883.842558610646	2884.725155752283	0	0
487	401	296487	-50181.14133	1065369.3710250766	39.7671023605331	-100.9819239	330614.837	404078.139859474	3038.9607525622774	2870.805780934565	2886.672441402666	2889.347015596336	0	0
488	401	296488	-49521.14133	1065369.3710250766	39.76710573473329	-100.9755047	330815.915346196	404077.0408231603	3017.372057903381	2870.605862469340	2889.890532728513	2889.517636170238	0	0
489	401	296489	-48861.14133	1065369.3710250766	39.76710916359074	-100.9731582	331016.889644792	404077.002012936	3005.753470754485	2870.40436722897	2890.574546849297	2891.23514817602	0	0
490	401	296490	-48201.14133	1065369.3710250766	39.76711249713061	-100.9708117	331217.8655901559	404076.967950348	2994.1348436050296	2870.10162240493	2891.8946894002524	2892.50740734575	0	0
491	401	296491	-47541.14133	1065369.3710250766	39.767115785327875	-100.9684653	331418.847324593	404076.911128254	2988.098376041296	2869.965746700304	2892.8978160578204	2893.500804	0	0
492	401	296492	-46881.14133	1065369.3710250766	39.76711902819084	-100.966118	331619.816991339	404075.85446649	2990.6440512016043	2869.792658263413	2893.4751438683916	2894.114532667574	0	0
493	401	296493	-46211.14133	1065369.3710250766	39.7671222571961	-100.963723	331820.7924471608	404075.785205523	2982.1897319819138	2869.990795859222	2893.107523405611	2893.54034048634	0	0
494	401	296494	-45561.14133	1065369.3710250766	39.76712537191406	-100.9614259	332021.7673989013	404076.742104068	2993.735412762222	2869.302217022325	2891.818639	2892.764384098	0	0
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496	401	296496	-44241.14133	1065369.3710250766	39.76713154630013	-100.956733	332423.7178375626	404074.630264941	3004.4465081201033	2869.00715843611	2885.7620069687714	2887.023963587103	0	0
497	401	296497	-43581.14133	1065369.3710250766	39.7671345624973	-100.9543865	332624.6924627531	404073.575245065	3018.8189557605247	2868.8189557605247	2881.640916281659	2883.28225119214	0	0
498	401	296498	-42921.14133	1065369.3710250766	39.7671373334902	-100.95204	332825.6673	404073.52106796	3022.3641814104044	2868.633403	2877.5510453723173	2879.4137257788516	0	0
499	401	296499	-42261.14133	1065369.3710250766	39.76714045887201	-100.949938	333026.6176769375	404072.458203872	3014.57460359767	2868.449392818027	2873.652128676625	2875.7166461301746	0	0
500	401	296500	-41601.14133	1065369.3710250766	39.7671433090069	-100.9473471	333227.616086348	404072.410550367	3004.955611370705	2868.246488749238	2870.002074950719	2872.4915671015635	0	0
501	401	296501	-40941.14133	1065369.3710250766	39.76714617891561	-100.944629	333428.590244557	404071.356132773	3008.912480248233	2868.4393423824503	2869.4393423824503	2872.4915671015635	1.424237397358723	0
502	401	296502	-40281.14133	1065369.3710250766	39.76714896343645	-100.942542	333629.56430474184	404071.301953365	3002.7711626755577	2867.891390712805	2863.842568765045	2866.143595805041	4.04821834303908	1.7474326589176599
503	401	296503	-39621.14133	1065369.3710250766	39.76715107762214	-100.9403077	333830.5382	404071.31248017622	3008.196504545778	2867.697328830806	2861.025275400276	2863.305862982446	4.39169814794943	0
504	401	296504	-38961.14133	1065369.3710250766	39.76715404647352	-100.9379612	334031.5118505334	404070.914	3008.632580622233	2867.491567935576	2858.4078958172504	2860.731728975704	9.0367113285467	6.755394947825607
505	401	296505	-38301.14133	1065369.3710250766	39.7671569995024	-100.9356148	334232.48536474904	404070.514086425	3007.6979996716677	2867.295026851675	2856.34739077292	2858.2996828656797	10.82171208883607	8.969983429378317
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508	401	296508	-36321.14133	1065369.3710250766	39.76716514853549	-100.9285754	334835.464744278	404069.481938399	3007.25129579024	2865.84381689274	2861.367180573296	2851.96780573296	17.279550202983	15.0876091437157
509	401	296509	-35661.14133	1065369.3710250766	39.7671676722	-100.9262289	335036.3781765487	404068.929437788	3005.931916908156	2866.11205677167	2847.5419576321897	2844.10468636414	16.6709914497712	16.96789811286544
510	401	296510	-35001.14133	1065369.3710250766	39.76716964760366	-100.9238824	335237.3505312267	404068.877189511	3004.913652380608	2865.71750416295	2845.06860303891	2846.95806303891	20.64317480245814	18.75734981246117
511	401	296511	-34341.14133	1065369.3710250766	39.767172029071226	-100.921536	335438.323085348	404068.825175558	3003.4573253493184	2864.39169258024	2843.2240522688526	2844.829758	25.102116898351554	25.409411348494214
512	401	296512	-33681.14133	1065369.3710250766	39.7671743524774	-100.9191895	335639.29548027245	404067.73401923	3004.067177129149	2864.674092617825	2841.484187701777	2842.80923356481	23.18909416047908	21.86480593143846
513	401	296513	-33021.14133	1065369.3710250766	39.7671766609899	-100.916843	335840.2677160891	404067.211888597	3003.96029	2863.9809494846756	2839.544953353538	2840.665706154995	24.23649559517597	23.228424248376076
514	401	296514	-32361.14133	1065369.3710250766	39.76717890159763	-100.9144629	336041.239730789	404069.670170559	3008.912480248233	2863.105027747205	2839.105027747205	2839.105027747205	24.98974030064073	23.981189055171
515	401	296515	-31701.14133	1065369.3710250766	39.767181	-100.9125101	336242.2117114668	404068.918259333	3008.3358584761	2863.2835864761	2838.749623230455	2839.632348861294	24.71027730836884	23.671027730836884
516	401	296516	-31041.14133	1065369.3710250766	39.76718325660998	-100.9098036	336443.183471435	404060.569	3029.405053298704	2860.020598112065	2835.3979674737444	2836.249955679676	25.52225707373209	24.670294321218905
517	401	296517	-30381.14133	1065369.3710250766	39.7671856311455	-100.9074572	336644.150731928	404065.618138198	3028.4247017050105	2859.4610274902977	2834.017676	2834.844271171738	26.454339681825796	26.16978372969894
518	401	296518	-29721.14133	1065369.3710250766	39.76718743028474	-100.9051107	336845.1265169436	404062.467806284	3027.444368	2857.7621903437833	2833.60180364203	2833.2462164524846	25.16200979565028	25.15928913030868
519	401	296519	-29061.14133	1065369.3710250766	39.7671894914905	-100.9027462	337046.097028949	404068.471744625	3026.057487194503	2855.84754572772	2831.723575704996	2831.756768103746	26.05897746950517	26.05897746950517
520	401	296520	-28401.14133	1065369.3710250766	39.76719142621885	-100.9004178	337247.0689312506	404064.367963214	3024.264052	2853.703875010454	2829.584647743552	2830.6092669796297	24.1212277669012	23.2110770474493
521	401	296521	-27741.14133	1065369.3710250766	39.76719342207866	-100.8982578	337448.03922424	404062.1228196467	3022.471821931547	2852.781223105157	2827.981223105157	2828.981223105157	24.1199383369697	24.1199383369697
522	401	296522	-27081.14133	1065369.3710250766	39.7671953232141	-100.8957248	337649.0170161024	404063.268981103	3020.677192	2848.90638103881	2826.27753710975	2827.096002490001	22.67283172706025	21.864576592990034
523	401	296523	-26421.14133	1065369.3710250766	39.76719701711953	-100.8933784	337849.98137283314	404063.219580738	3018.638266917004	2846.4118677164083	2824.335491736413	2824.8538051307015	22.7068902767002	21.55860258697202
524	401	296524	-25761.14133	1065369.3710250766	39.7671988832834	-100.8910319	338050.951872795	404062.817958977	3016.31658111298	2843.780127	2822.380240048391	2822.44313165198	21.3998861	

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.L.	BR/ElevKgr.ft	BR/ElevKgr.ft	SurfElev.ft	SatThBoht.ft
731	401	296731	110858.65867307335	105639.3710250766	37.75593838314855	-100.4053148	379648.78024434006	403795.20861728	2685.317500731127	2529.3238974276533	2544.1430736208704	2544.556469801642	10588923851782967	14.67642780111128
732	401	296732	11158.65867307335	105639.3710250766	37.7559624597534	-100.402984	379648.7205185344	403731.20499001	2684.03683	2527.62585052025	2544.0510124085734	2544.556469801642	13.69806074125407	13.01570366518708
733	401	296733	12178.65867307335	105639.3710250766	37.755976330267	-100.400627	380050.648786969	403767.210818674	2682.76268471101	2556.011668177668	2542.449697370538	2542.449697370538	13.51618852430947	13.59282345831008
734	401	296734	11258.65867307335	105639.3710250766	37.755978325956	-100.395275	380050.648786969	403783.212	2681.47566471006	2554.351105733712	2544.0510124085734	2544.556469801642	14.41231271106033	10.02597015915785
735	401	296735	113408.65867307335	105639.3710250766	37.75596301857364	-100.3959291	380452.5405995664	403792.7213278095	2681.57802355821	2552.76018265563	2547.272490931756	2542.042997373125	9.933617688	8.61110888137937
736	401	296736	114158.65867307335	105639.3710250766	37.7559552438496	-100.3935827	380653.49080021974	403795.215	2683.06352651217	2551.036403160547	2541.691042945174	2542.494621925057	13.54002315040273	8.541760248
737	401	296737	11448.65867307335	105639.3710250766	37.7554473792941	-100.391262	380854.4327879891	403731.271480254	2680.634139	2549.35758833076	2541.371184852704	2542.297200288034	7.98257095465314	7.056555546631927
738	401	296738	115478.65867307335	105639.3710250766	37.7553499940409	-100.388889	380515.374831063	403767.219791421	2686.034139	2547.6587914544734	2538.547944009916	2540.407744485742	11.0847444511819	7.251047005899181
739	401	296739	116158.65867307335	105639.3710250766	37.7553151528881	-100.386544	381256.3160657841	403763.22240869	2685.026078	2545.026078	2539.768441178335	2538.768171022466	8.57638910594704	7.53053766963271
740	401	296740	116798.65867307335	105639.3710250766	37.755231526383	-100.384197	381457.25326243	403759.225128595	2681.5393751649273	2544.2159376222	2539.538391581987	2540.22825614984	4.9567035355445	4.005904756278142
1	402	296741	370941.1431	105705.3710250766	37.7086556	-102.1181822	332921.2711240907	406980.088152128	3758.52494831705	3566.1174	3488.1039154733508	3488.106743854983	80.1034826	81.01052534288465
2	402	296742	370281.1431	105705.3710250766	37.7091201336767	-102.1158832	332122.3572543327	406979.512508358	3756.986026461233	3563.3739241220155	3487.059698112157	3487.059698147743	77.27822600999975	80.91732657427115
3	402	296743	369621.1431	105705.3710250766	37.7093734228741	-102.1134901	332323.4371311315	406979.737109089	3544.358414	3562.562194869326	3490.805963800134	3486.468361856429	71.8922310691913	76.0938301
4	402	296744	368961.1431	105705.3710250766	37.709627805879	-102.111144	332524.5167456529	406967.561954324	3750.642182832452	3560.790224812452	3487.3826551373113	3476.569944	64.0765967514062	84.22096175712025
5	402	296745	368301.1431	105705.3710250766	37.70987105921525	-102.108798	332573.596952625	406963.767104444	3748.59251853662	3559.0220238939105	3481.12094434808	3480.586333871163	77.89992934910262	78.62269001694818
6	402	296746	367641.1431	105705.3710250766	37.710137346222	-102.106419	332626.67811814723	406959.121578247	3743.20972687093	3557.25768938232	3478.7108205795828	3478.067789698525	78.54677296	78.18880124857967
7	402	296747	366981.1431	105705.3710250766	37.710386078111	-102.1041058	332417.7540035145	406957.03766824	3742.335505584236	3555.4969534206148	3478.2193732466435	3478.67816748424812	77.2778801739127	78.6182057813253
8	402	296748	366321.1431	105705.3710250766	37.7106057007786	-102.1017597	3324328.832625694	406950.864	3744.3034709051008	3553.740087219051	3479.1474915156214	3479.1574861018792	74.5299570329675	74.82523515717179
9	402	296749	365661.1431	105705.3710250766	37.7108802815253	-102.0994137	3324529.9108582106	406946.689847678	3746.271381255378	3551.9860653738538	3478.57138286599	3478.356492540632	73.4089279	73.6031611979053
10	402	296750	365001.1431	105705.3710250766	37.711044205065	-102.0970676	332470.98889154748	406942.511597427	3748.239291604637	3550.236734966337	3478.0725031685097	3477.025493643307	74.12672990816737	72.2638133237375
11	402	296751	364341.1431	105705.3710250766	37.71173091	-102.0947215	332482.966619679374	406938.343	3751.710286	3548.4984986610728	3477.5475118271727	3477.5915846160347	70.91489969500426	70.8972345069125
12	402	296752	363681.1431	105705.3710250766	37.711640894349	-102.0923754	332513.1411691805	406934.169517195	3756.684303336934	3546.745067134389	3476.5263481481497	3471.514968377108	65.58875202704219	65.58875202704219
13	402	296753	363021.1431	105705.3710250766	37.71158033252923	-102.0898301	332548.2214158029	406930.73029098	3740.832277371868	3543.928327371868	3476.5263481481497	3471.514968377108	65.58875202704219	65.58875202704219
14	402	296754	362361.1431	105705.3710250766	37.7121336192794	-102.087632	332555.2983984968	406925.83252389	3766.635103705593	3543.26539857107	3471.178730042876	3488.02694126257	58.0566565291865	54.3447043305302
15	402	296755	361701.1431	105705.3710250766	37.712388	-102.0853372	332576.3751061367	406921.65138671	3769.620591971	3541.53002069431	3490.0086259953	3487.90822676562	51.52143433847807	53.6217412849634
16	402	296756	361041.1431	105705.3710250766	37.712632215257	-102.082911	332597.4515806251	406917.41965254	3769.53167581093	3539.97567581798	3486.562234588713	3484.599810147754	53.2353239304754	55.177374404398
17	402	296757	360381.1431	105705.3710250766	37.712839148744	-102.080645	332618.5277918492	406913.30718829	3769.817275	3538.067752156982	3486.1750576316754	3484.2947296213624	51.9926909002287	53.770270303382
18	402	296758	359721.1431	105705.3710250766	37.7131312682239	-102.078289	332639.6071650016	406909.13455773	3770.096319252676	3536.34223241643	3485.120496	3483.417226880165	51.221827529273014	52.9259637342566
19	402	296759	359061.1431	105705.3710250766	37.71337811713348	-102.0759261	332660.6798977938	406904.96387654	3770.25726626017	3534.821932751087	3484.78981233564	3483.999959470774	50.83299959740774	52.9259637342566
20	402	296760	358401.1431	105705.3710250766	37.713580420195	-102.073607	332674.754982227	406900.792773177	3770.420377174	3534.00727547134	3482.8057425747173	3482.8057425747173	50.83299959740774	51.5929717729839
21	402	296761	357741.1431	105705.3710250766	37.713783430775	-102.0712608	332692.8296930538	406896.62173488	3770.185011	3531.187925058915	3481.84296747858	3480.54683913679	49.3466247803536	50.6663049221233
22	402	296762	357081.1431	105705.3710250766	37.714159229082	-102.0689145	332714.90485746332	406892.45069325	3756.14645326704	3529.4768305155127	3480.915216743274	3479.76164156271	48.3465313681854	49.7158944202516
23	402	296763	356421.1431	105705.3710250766	37.7143609535112	-102.066584	332734.979491667	406888.20458643	3752.251294	3527.76528737596	3480.01174674581	3479.02937315338	47.7535406301548	48.7355421221803
24	402	296764	355761.1431	105705.3710250766	37.714605308858	-102.0642223	332746.053658566	406884.11092315	3748.449432938762	3526.054023742869	3480.415175795697	3479.81895005135	46.62445761772376	46.2341736915614
25	402	296765	355011.1431	105705.3710250766	37.7148494550322	-102.061872	332747.1278902575	406889.540703358	3744.63587108323	3524.343410223814	3479.834249921649	3479.537121658498	44.5091601182226	44.8061936433334
26	402	296766	354441.1431	105705.3710250766	37.715033250364	-102.0598301	332748.2214158029	406885.73029098	3740.832277371868	3522.534919016487	3479.179303206583	3479.179303206583	43.38049348471658	43.38049348471658
27	402	296767	353781.1431	105705.3710250766	37.715335436364	-102.057184	332819.4754049454	406871.60685918	3737.19308428573	3520.827791707436	3478.2085107367143	3478.1436832941113	42.7212810352624	42.7841087632635
28	402	296768	353121.1431	105705.3710250766	37.715573030945	-102.0548379	332830.3467674562	406867.431570412	3733.72113652677	3519.222485132628	3477.16102930479	3477.205873	41.4662422914913	42.01661182921036
29	402	296769	352461.1431	105705.3710250766	37.715826183214	-102.0524918	332851.4218440723	406863.26252747	3730.2492076818	3517.518546578697	3476.139468853666	3476.2875106230576	41.3790048020357	41.23109374812056
30	402	296770	351801.1431	105705.3710250766	37.7160634773174	-102.0501456	332875.2496625456	406859.09372539	3730.777279119453	3515.81572798884	3475.35847686936	3475.592257080003	40.45678031190805	40.22347091884736
31	402	296771	351141.1431	105705.3710250766	37.716304882019	-102.0477995	332893.56723246236	406854.925	3722.84671958929	3514.1137345296706	3474.739818780428	3474.739818780428	39.81958468795963	39.717681947429
32	402	296772	350481.1431	105705.3710250766	37.7165436240757	-102.0454534	332914.636240757	406850.768553328	3718.57478	3512.412255842298	3474.75767026705	3474.75767026705	37.3468886158748	37.3468886158748
33	402	296773	350021.1431	105705.3710250766	37.716780330364	-102.043169	332935.4214158029	406847.15194733	3718.57478	3510.5194733	3474.75767026705	3474.75767026705	37.3468886158748	37.3468886158748
34	402	296774	349161.1431	105705.3710250766	37.71702637710458	-102.0407612	332956.7358310818	406842.40046995	3709.6796069127	3509.01614647854	3475.207021227795	3473.17937896933	35.50442135047515	35.993516810765
35	402	296775	348501.1431	105705.3710250766	37.717269689352	-102.0384151	332975.854808878	406838.32358999	3707.3139586819	3507				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.ft	BR/ElevBothKgr.ft	Sat/ThKgr.ft	Sat/ThBoth.ft
117	42	296857	-294381.1413	105.70573170250766	37.733710338165	-01.8460283	256244.86310403332	4046097.342492847	3454.257665789383	331.0171070049115	3314.368013264526	3313.5238431681587	3314.6827648485634	3312.6827680852813
118	42	296858	-293721.1413	105.70573170250766	37.7355270754406	-01.843862	256445.9136168285	4046493.195	3445.349590334742	3316.8464902310707	3310.25032228658	3309.541820459117	3310.6595800221793	3310.64069717186147
119	42	296859	-293061.1413	105.70573170250766	37.73573734004201	-01.841338	256646.96457816442	4046480.940977676	3433.6834484202162	3313.910571623816	3305.92031203616	3305.528577115398	3309.037422436265	3310.83584711420042
120	42	296860	-292401.1413	105.70573170250766	37.73573746597005	-01.838995	256848.0148548418	4046490.901235878	3415.183927354342	3311.026346735432	3301.960522	3301.40042651448704	3305.857375462023	3305.857159061661
121	42	296861	-291741.1413	105.70573170250766	37.73617527190886	-01.836643	257049.0650908504	4046480.754637527	3303.959108534327	3308.2396484381199	3297.8714787896364	3297.0474031634586	3307.9695486562542	3307.6881269460322
122	42	296862	-291081.1413	105.70573170250766	37.73673743075653	-01.8342971	257250.14168746887	4046476.608282814	3300.23509411854	3303.642632857172	3293.7137404647706	3293.3921367495056	3302.754192064666	3302.754192064666
123	42	296863	-290421.1413	105.70573170250766	37.7366751363329	-01.8319508	257451.16464455309	4046472.462177133	3304.736994602564	3303.34508420566	3289.4892696882473	3289.197846926982473	3306.0441422318867	3306.0441422318867
124	42	296864	-289761.1413	105.70573170250766	37.73673743866384	-01.8296046	257652.2160422897	404668.316	3311.215211257748	3301.489427433133	3285.5520461193228	3285.1033643816577	3302.78131381042	3302.78131381042
125	42	296865	-289101.1413	105.70573170250766	37.7369731876721	-01.8272583	257853.26324985076	4046564.170884477	3303.6834487926894	3300.9664902310707	3282.196861633676	3281.70916104737	3302.78131381042	3302.78131381042
126	42	296866	-288441.1413	105.70573170250766	37.7371715334337	-01.8249121	258054.2115258624	4046500.02530021	3324.1714782607914	3298.972115866465	3279.4370569587246	3279.052872595316	3305.0598274036	3305.0598274036
127	42	296867	-287781.1413	105.70573170250766	37.7373369459227	-01.8225568	258255.36088157844	4046580.86136599	3314.0780864205914	3298.125781421288	3277.196447855249	3276.8326905496928	3302.7933868797	3302.7933868797
128	42	296868	-287121.1413	105.70573170250766	37.7375666513885	-01.8202196	258456.4093440407	404651.735	3307.412747	3297.509544609487	3275.148134681816	3274.964918	3302.7933868797	3302.7933868797
129	42	296869	-286461.1413	105.70573170250766	37.7377363810818	-01.8178733	258657.4556821978	404647.5906211315	3300.747402850598	3297.157243705506	3273.7283690743257	3273.541993613943	322.42935296224912	322.42935296224912
130	42	296870	-285801.1413	105.70573170250766	37.737960387511	-01.8155271	258858.5055542926	404643.446215274	3292.082069142516	3294.082069142516	3272.4893149647482	3272.472301	3302.7933868797	3302.7933868797
131	42	296871	-285141.1413	105.70573170250766	37.7381964631455	-01.8131808	259059.5530028481	404643.9025299905	3291.916818336274	3291.916818336274	3271.690370084963	3271.582773533866	3302.7933868797	3302.7933868797
132	42	296872	-284481.1413	105.70573170250766	37.738352092672	-01.810845	259260.0081228923	404635.151134269	3294.251653830031	3294.251653830031	3271.13063544986	3270.73858484308	3312.07973165265	3312.07973165265
133	42	296873	-283821.1413	105.70573170250766	37.738547262711328	-01.8084883	259461.6480802609	404631.014589107	3296.58468339235	3296.58468339235	3270.824838235643	3270.32385500141	3307.1599515670698	3307.1599515670698
134	42	296874	-283161.1413	105.70573170250766	37.7387149168414	-01.806142	259662.6951217847	404626.01407298	3298.921330840438	3298.921330840438	3272.085256717935	3271.362549160036	3306.895168644258	3306.895168644258
135	42	296875	-282501.1413	105.70573170250766	37.7389362479797	-01.8037958	259863.74192048622	404622.738	3304.07627994333	3301.880439196514	3281.57906	3281.0937128424945	3302.7933868797	3302.7933868797
136	42	296876	-281841.1413	105.70573170250766	37.7391300609946	-01.8014495	260064.78842331	404614.18585	3312.03434800981	3303.3444211734623	3291.4941151132502	3291.321350584957	3302.7933868797	3302.7933868797
137	42	296877	-281181.1413	105.70573170250766	37.739323407423	-01.7991032	260265.8348075307	404614.442193995	3319.98194166708	3304.844074499493	3301.065750826801	3301.2442241746253	3302.7933868797	3302.7933868797
138	42	296878	-280521.1413	105.70573170250766	37.739516327208	-01.796757	260466.880962835	404610.413	3327.9618944125	3306.349744995203	3308.727447208635	3308.725102986230	3302.7933868797	3302.7933868797
139	42	296879	-279861.1413	105.70573170250766	37.7421694234806	-01.7933992	260853.2514281297	404632.3030938281	3327.9618944125	3306.349744995203	3313.89492140394	3313.89492140394	3302.7933868797	3302.7933868797
140	42	296880	-279201.1413	105.70573170250766	37.7399007803105	-01.7920465	260968.9723653035	404602.016	3335.405379690905	3309.29518523713	3311.5382830209423	3311.474724072204	3302.7933868797	3302.7933868797
141	42	296881	-278541.1413	105.70573170250766	37.7402392364425	-01.7897182	261070.0177450758	404603.978325009	3337.71491341546	3310.7042671765416	3309.828494599131	3309.652175061285	3302.7933868797	3302.7933868797
142	42	296882	-277881.1413	105.70573170250766	37.7402832403004	-01.7873719	261271.0628910034	404639.32341535	3340.020850279842	3312.051926495485	3309.2058874769555	3309.44384297132	3302.7933868797	3302.7933868797
143	42	296883	-277221.1413	105.70573170250766	37.740747406037795	-01.7850256	261472.10780067864	404639.991101544	3344.9991757196373	3313.327052	3307.959281321364	3308.005769	3302.7933868797	3302.7933868797
144	42	296884	-276561.1413	105.70573170250766	37.740664271766	-01.7826794	261673.15247512425	404635.45	3352.64495896943	3314.518670841767	3306.78440209717	3306.7844185677067	3302.7933868797	3302.7933868797
145	42	296885	-275901.1413	105.70573170250766	37.74063736934961	-01.780432	261874.19691475766	404635.33951983	3368.297017421822	3316.974074636766	3309.869849624987	3309.869849624987	3302.7933868797	3302.7933868797
146	42	296886	-275241.1413	105.70573170250766	37.7411694234806	-01.7779683	262071.04412615926	404631.771684238	3377.9493275162453	3316.61525708869	3309.5538719673834	3309.5538719673834	3302.7933868797	3302.7933868797
147	42	296887	-274581.1413	105.70573170250766	37.7412320878953	-01.7756406	262276.28508931625	404631.87526363	3366.49059075813	3317.505205238676	3304.477191146356	3305.072456064714	3302.7933868797	3302.7933868797
148	42	296888	-273921.1413	105.70573170250766	37.7414204615745	-01.7732943	262477.328258199	404638.88855374	3351.93106649129	3318.283831	3309.49602654609	3301.02660446381	3302.7933868797	3302.7933868797
149	42	296889	-273261.1413	105.70573170250766	37.7416083819731	-01.770948	262678.3723265547	404634.7873265547	3345.371197924054	3318.948274508597	3296.18851192843	3296.572098	3302.7933868797	3302.7933868797
150	42	296890	-272601.1413	105.70573170250766	37.74179584909064	-01.7686017	262879.41559412755	404630.699238507	3334.811970364893	3319.5012132646893	3292.3155493976587	3292.572456437314	3302.7933868797	3302.7933868797
151	42	296891	-271941.1413	105.70573170250766	37.7421962260258	-01.7662554	263080.4382749058	404635.469894115	3331.1503374708948	3319.945718588941	3288.318172750044	3289.52560847676	3302.7933868797	3302.7933868797
152	42	296892	-271281.1413	105.70573170250766	37.7421694234806	-01.763992	263281.5014281297	404632.3030938281	3329.6821925922	3320.26922119582	3297.1087491945	3305.39211980569	3302.7933868797	3302.7933868797
153	42	296893	-270621.1413	105.70573170250766	37.7423555307524	-01.7616235	263482.5439951377	404638.192	3337.622901700958	3320.83078798482	3285.28359683985	3285.502730257527	3302.7933868797	3302.7933868797
154	42	296894	-269961.1413	105.70573170250766	37.7425411847417	-01.7592166	263683.5853289279	404634.053529387	3340.85919291605	3320.685711521718	3323.575917483717	3323.6588212144707	3302.7933868797	3302.7933868797
155	42	296895	-269301.1413	105.70573170250766	37.7427263854483	-01.7568703	263884.62842978886	404635.15210611	3348.0698496171124	3320.7594786979157	3281.218570409291	3281.470478692062	3302.7933868797	3302.7933868797
156	42	296896	-268641.1413	105.70573170250766	37.7429211328712	-01.754524	264085.670297921	404635.77135218	3362.2548995841597	3320.7602450114904	3278.807011528099	3279.0060538278804	3302.7933868797	3302.7933868797
157	42	296897	-267981.1413	105.70573170250766	37.743092470107	-01.7521777	264286.719335453	404631.639302303	3362.2548995841597	3320.7602450114904	3278.807011528099	3279.0060538278804	3302.7933868797	3302.7933868797
158	42	296898	-267321.1413	105.70573170250766	37.7432767667661	-01.7498135	264487.7533685368	404637.501741458	3368.62501229553	3320.56955157324	3274.949746208708	3275.128867327055	3302.7933868797	3302.7933868797
159	42	296899	-266661.1413	105.70573170250766	37.743455898145	-01.7474818	264689.85347131496	404639.972265297	3377.07594208593	3320.166870781936	3274.3761713611483	3274.3761713611483	3302.7933868797	3302.7933868797
160	42	296900	-266001.1413	105.70573170250766	37.7436354589145	-01.7451389	264891.85347131496	404639.972265297	3377.07594208593	3320.166870781936	3274.3761713611483	3274.3761713611483	3302.7933868797	3302.7933868797
161	42	296901	-265341.1413	105.70573170250766	37.7438280780156	-01.7427926	265090.8762543							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ls	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f	BRrElevKgr.f
23	42	296983	-21221.1413	105.70573170250766	37.7572488917582	-105.503929	281575.446228841	4050976.69538071	3484.5735307658074	324.313104148458	3180.360390475123	3180.4896668404028	64.9527136733498	64.8141373080525	
244	402	296984	-210661.1413	105.70573170250766	37.7573938084949	-105.5480465	281776.4676203474	4050975.576703373	3482.717150665167	324.4345061633655	317.086140174828	317.6176295972518	67.3484659865375	67.81531019079375	
245	402	296985	-209891.1413	105.70573170250766	37.7575321280166	-105.545702	281977.489930396	4050968.462254063	3478.5419672865437	324.5423662168615	317.43426917911	317.4202781735416	68.1917968295044	68.51458359354531	
246	402	296986	-209241.1413	105.70573170250766	37.7576816345451	-105.543358	282178.51762738034	4050964.366052111	3462.6345172418754	324.6345172418754	317.2317023732614	317.0206850125847	69.3488646729486	70.5658670803161	
247	402	296987	-208681.1413	105.70573170250766	37.757830667045	-105.5410704	282379.5322274453	4050960.230208587	3471.709875966725	324.710622382188	317.056680801508	317.056680801508	71.2482358453725	71.12482358453725	
248	402	296988	-207921.1413	105.70573170250766	37.757576687	-105.538661	282580.55465879735	4050596.114376283	3476.1139330015144	324.7675296333653	3169.17519075971	3169.073097649536	71.592421056	71.6944119402169	
249	402	296989	-207261.1413	105.70573170250766	37.7578111295268	-105.5363146	282781.5756966291	4050591.9898021389	3474.8043438397456	324.8068382099445	3167.5239916888204	3167.6400129639357	72.28284652112416	72.1667781683416	
250	402	296990	-206601.1413	105.70573170250766	37.7582534257681	-105.5339862	282982.59661115316	4050497.8836711305	3473.4949397524586	3238.626739254386	3168.468156205704	3165.7568091496243	73.06894759674393	73.06894759674393	
251	402	296991	-205941.1413	105.70573170250766	37.75862961156783	-105.5316762	283197.489930396	4050518.652254063	3472.8419672865437	324.5423662168615	3169.43426917911	317.4202781735416	68.1917968295044	68.51458359354531	
252	402	296992	-205281.1413	105.70573170250766	37.7587632472005	-105.5292755	283394.6370011007	4050539.653063621	3471.709875966725	324.7675296333653	3169.073097649536	3169.073097649536	71.592421056	71.6944119402169	
253	402	296993	-204621.1413	105.70573170250766	37.75887712463075	-105.5269921	283585.658761051	4050535.53943326	3471.227879395134	3235.7336992186583	3156.664072701416	3157.0206850125847	69.3488646729486	70.5658670803161	
254	402	296994	-203961.1413	105.70573170250766	37.75887418468656	-105.5245827	283766.67814031243	4050931.421726605	3470.58295522244	323.615825464196	3153.087595969737	3153.075821762607	81.582822949	81.0856674794286	
255	402	296995	-203301.1413	105.70573170250766	37.75887591942775	-105.5222363	283987.699914007	4050931.271154618	3468.93059355588	323.408143585858	3149.460308571888	3149.4818202758045	83.9561160758476	83.9561160758476	
256	402	296996	-202641.1413	105.70573170250766	37.7590997365544	-105.5198899	284188.171763041916	4050913.197391198	3466.2707961391738	322.03720393852	3146.054288868035	3146.3624912092357	86.00943152402124	85.7008791461604	
257	402	296997	-201981.1413	105.70573170250766	37.7592357005657	-105.5175435	284389.73305757863	4050919.93846583	3463.610996272231	322.0328440164366	3143.1599768094946	3143.56258904946	87.062052711	87.062052711	
258	402	296998	-201321.1413	105.70573170250766	37.7593742117618	-105.5157971	284590.7527230246	4050914.97056119	3460.95120033607	322.757685910633	3140.63557889956	3141.17610154655	87.9400972067373	87.59957594198431	
259	402	296999	-200661.1413	105.70573170250766	37.7595122692422	-105.5128507	284791.75227711371	4050918.857508549	3457.74129489611	322.667861443085	3138.939278469901	3139.332310161036	87.9274816470072	87.53452911	
260	402	297000	-200001.1413	105.70573170250766	37.7596498734063	-105.5105043	284992.7040969507	405096.745	3453.981128199557	322.842595402072	3137.262879988732	3137.69891301961	89.50704703	87.1500410121123	
261	402	297001	-199341.1413	105.70573170250766	37.7597879024258	-105.5081579	285193.8126517285	4050982.632141055	3450.212698091505	322.7745411616766	3133.6699203144547	3133.6699203144547	86.6457146252607	86.6457146252607	
262	402	297002	-198681.1413	105.70573170250766	37.75993732717864	-105.5058116	285394.8310226771	4050958.198211416	3446.221596198457	322.655055	3134.09276627857	3134.5452881065	86.1203566271953	86.1203566271953	
263	402	297003	-198021.1413	105.70573170250766	37.760095966015	-105.5034652	285595.8491830041	4050894.40774338	3445.25392722031	321.805783364237	3132.5036029882	3132.915986441707	86.0044467626176	85.59186964827302	
264	402	297004	-197361.1413	105.70573170250766	37.7601957569595	-105.5011188	285766.8761329152	4050890.29590363	3446.5976922606	321.805783364237	3132.5036029882	3132.915986441707	86.0044467626176	85.59186964827302	
265	402	297005	-196701.1413	105.70573170250766	37.76029492310418	-105.4987291	285937.9831944882	4050892.19854991	3442.04197296233	321.805783364237	3132.5036029882	3132.915986441707	86.0044467626176	85.59186964827302	
266	402	297006	-196041.1413	105.70573170250766	37.7603945787377	-105.496426	286198.90422031395	4050882.07267147	3438.28622278158	321.5637678074237	3127.62063469647	3127.744571073854	84.3431312047646	84.2172907	
267	402	297007	-195381.1413	105.70573170250766	37.7604600496882	-105.4940796	286399.9197222158	4050877.96189598	3438.101459	320.975368626223	3125.97135067908	3126.010901707541	83.7484675588078	83.7484675588078	
268	402	297008	-194721.1413	105.70573170250766	37.7607343873166	-105.4917332	286600.9368325804	4050873.851	3437.385182743886	320.975368626223	3125.97135067908	3126.010901707541	83.7484675588078	83.7484675588078	
269	402	297009	-194061.1413	105.70573170250766	37.76086791162584	-105.4893868	286801.9537345667	4050870.37032727	3435.82779269406	320.975368626223	3125.97135067908	3126.010901707541	83.7484675588078	83.7484675588078	
270	402	297010	-193401.1413	105.70573170250766	37.761000862106	-105.4870004	287002.9704252073	4050865.62999308	3433.9636253645	320.975368626223	3125.97135067908	3126.010901707541	83.7484675588078	83.7484675588078	
271	402	297011	-192741.1413	105.70573170250766	37.7611336002881	-105.4846819	287203.9600798514	4050862.19854991	3432.04197296233	321.805783364237	3132.5036029882	3132.915986441707	86.0044467626176	85.59186964827302	
272	402	297012	-192081.1413	105.70573170250766	37.7612654547	-105.4823745	287405.0031820063	4050857.4096919625	3430.88769578928715	319.8769578928715	3131.573742536616	3131.573742536616	81.22507671685	81.22507671685	
273	402	297013	-191421.1413	105.70573170250766	37.761397457639	-105.4800011	287606.0192474659	4050853.30079176	3427.7329200918157	319.6477603305187	3131.90525911278	3131.90525911278	78.520773390378	80.6748097444439	
274	402	297014	-190761.1413	105.70573170250766	37.7615287338795	-105.4776547	287807.0310455417	4050849.19000049	3428.58501821458	319.6477603305187	3131.90525911278	3131.90525911278	78.520773390378	80.6748097444439	
275	402	297015	-190101.1413	105.70573170250766	37.7616595378175	-105.4753083	288008.0507553304	4050845.081732844	3426.015487599573	319.217710128503	3131.7350353298655	3131.7350353298655	77.3826747358485	79.2075821508273	
276	402	297016	-189441.1413	105.70573170250766	37.761789888555	-105.4729619	288209.0661945364	4050840.973	3425.04317943163	319.217710128503	3131.7350353298655	3131.7350353298655	77.3826747358485	79.2075821508273	
277	402	297017	-188781.1413	105.70573170250766	37.7619197865091	-105.4707615	288410.0814	4050836.864	3424.03147195968	318.9778914759734	3131.83642760253	3131.83642760253	77.3826747358485	79.2075821508273	
278	402	297018	-188121.1413	105.70573170250766	37.7620492310418	-105.468291	288617.084536206	4050832.16841634	3422.04197296233	321.805783364237	3132.5036029882	3132.915986441707	86.0044467626176	85.59186964827302	
279	402	297019	-187461.1413	105.70573170250766	37.7621782125386	-105.4659227	288822.111270761	4050826.64788545	3420.78922734967	318.046933905276	3130.4752037411064	3130.03826224619	75.9401252160946	75.9797838680989	
280	402	297020	-186801.1413	105.70573170250766	37.76230675994476	-105.4635763	289013.1259	4050824.53935527	3419.2148922994	318.2791986156393	3130.283133639245	3130.283133639245	74.9058489791841	75.6667293931414	
281	402	297021	-186141.1413	105.70573170250766	37.7624384444116	-105.4612299	289214.1402878456	4050819.431280989	3418.226659116023	318.00.799367	3130.648553308825	3130.648553308825	74.9058489791841	75.6667293931414	
282	402	297022	-185481.1413	105.70573170250766	37.7625624575622	-105.4588835	289415.154855793	4050816.324350835	3416.2041062400051	317.928396106276	3130.4752037411064	3130.03826224619	75.9401252160946	75.9797838680989	
283	402	297023	-184821.1413	105.70573170250766	37.7626896338815	-105.456537	289616.184786199	4050812.71213082	3415.296045011914	317.928396106276	3130.4752037411064	3130.03826224619	75.9401252160946	75.9797838680989	
284	402	297024	-184161.1413	105.70573170250766	37.76281673789204	-105.4541906	289817.1826217545	4050808.110373724	3414.8218676334416	317.928396106276	3130.4752037411064	3130.03826224619	75.9401252160946	75.9797838680989	
285	402	297025	-183501.1413	105.70573170250766	37.762945236476	-105.4518774	290019.2291364916	4050803.7995879	3414.8218676334416	317.928396106276	3130.4752037411064	3130.03826224619	75.9401252160946	75.9797838680989	
286	402	297026	-182841.1413	105.70573170250766	37.763068463882	-105.4494978	290219.2291364916	4							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVLogKrg.ft	SatThkLgts.ft	SatThkBoth.ft
369	402	29709	-128061.1413	105.70573170250766	39.7719310443662	-101.2547427	306902.62208898645	4054569.901487954	317.1724299053485	3040.0524671969723	3010.7535403089877	20.298824396074653	27.55255202857472
370	402	29710	-127401.1413	105.70573170250766	39.77201878234024	-101.2523962	307103.618905629	4054565.815318658	3167.72304804939	3027.293684997231	3010.1628719533365	21.130967043845366	26.19488845295457
371	402	29711	-126741.1413	105.70573170250766	39.7721050567861	-101.2500497	307304.6193593374	4054561.729391056	3158.7076345369698	3034.517393597604	3009.6826811736163	20.821336239676	23.9032631469555
372	402	29712	-126081.1413	105.70573170250766	39.7721928982677	-101.2477303	307055.612	405447.63470511	3146.127096641127	3031.312826611577	3009.218477129014	20.310257067940017	22.48341389675668
373	402	29713	-125421.1413	105.70573170250766	39.7722792762204	-101.2453568	307067.60822639946	405454.55826909	3133.5462579485556	3028.892727940112	3009.0686360292098	19.82409191002098	18.96520737647034
374	402	29714	-124761.1413	105.70573170250766	39.7722652008749	-101.2430103	307097.60439088254	405454.374056311	3120.965419452985	3025.02686811229	3009.274367305479	20.0094961727391	16.787321405750376
375	402	29715	-124011.1413	105.70573170250766	39.77224507	-101.2406638	308108.086260794847	405453.388095409	3117.367469514084	3023.19376183149	3009.474921101811	19.83063475980828	13.71884073837825
376	402	29716	-123441.1413	105.70573170250766	39.772356900759	-101.2383173	308309.5959577197	405451.303	3122.75248120954	3026.819657766945	3009.8645911662435	20.10664574805208	9.652339017448663
377	402	29717	-122781.1413	105.70573170250766	39.7724620546645	-101.2359709	308510.591494032	405452.715800855	3128.17346781474	3017.42760895625	3010.087146826965	19.6926836863896	6.75337276203585
378	402	29718	-122121.1413	105.70573170250766	39.7727043595114	-101.2336244	308711.5647720254	405422.134662589	3133.522853419637	3015.515791740503	3011.1967011740503	20.0112325868206	3.9145780064055715
379	402	29719	-121461.1413	105.70573170250766	39.772803828174	-101.2312779	308921.5819053279	405419.050665283	3135.824055592373	3011.592720258297	3014.114120493356	20.1385797840522	0
380	402	29720	-120801.1413	105.70573170250766	39.77278712283812	-101.2289314	309113.57684798306	405414.969815537	3135.0426574433504	3008.6560391022413	3016.9654891856376	20.16184166848315	0
381	402	29721	-120141.1413	105.70573170250766	39.7727254	-101.226585	309314.571604375	405410.88340431	3134.2612593074255	3005.76235026317	3019.1108487741835	20.18189185980626	0
382	402	29722	-119481.1413	105.70573170250766	39.7733062774831	-101.224238	309515.561747112	405406.801349345	3134.798611715005	3002.7442739428343	3019.879989863006	20.19596430436743	0
383	402	29723	-118821.1413	105.70573170250766	39.773711220206	-101.221892	309716.5605991958	405402.71707031	3122.07894965938	2999.7716689330457	3018.516381902066	20.181226539238083	0
384	402	29724	-118161.1413	105.70573170250766	39.7737311995	-101.19545	309917.547580379	405398.634302717	3110.0585274621184	2996.798573601867	3014.319667323208	20.14240511997719	0
385	402	29725	-117501.1413	105.70573170250766	39.7732804510688	-101.217199	310118.5487714409	405394.55177983	3103.08996783393	2993.79889996514	3007.576774011168	20.3040777464591	0
386	402	29726	-116841.1413	105.70573170250766	39.7733063557664	-101.2148525	310319.5425996131	405390.469472818	3056.0176749735697	2990.79978512294	2998.3503470219716	29.9785593271916	0
387	402	29727	-116181.1413	105.70573170250766	39.7733409667456	-101.2125061	310520.5362427615	405386.387	3041.4746943216232	2987.796174260949	2992.314636052061	29.992240533754755	0
388	402	29728	-115521.1413	105.70573170250766	39.77330244557005	-101.2101596	310721.5297	405382.305991175	3040.4095179120295	2984.789291325658	2985.624087568467	29.985.5248313693967	0
389	402	29729	-114861.1413	105.70573170250766	39.7733996990513	-101.2078131	310922.52297460212678	3040.7324012678	3027.34580250426	2991.738191906567	2977.7358840279317	29.7951894796328	4.128297113222819
390	402	29730	-114201.1413	105.70573170250766	39.77367634018875	-101.2054666	311231.5160471189	405374.2240175	3020.270805502462	2978.76933352048	2968.875395176527	29.64679951754706	9.512018680314304
391	402	29731	-113541.1413	105.70573170250766	39.7737263459628	-101.199412	31259.466923946	405371.02931234	3044.10692051454	2982.10297689547	2980.831506735875	15.870173574453528	16.33130545646393
392	402	29732	-112881.1413	105.70573170250766	39.773834234233	-101.2007736	311525.5016903507	405365.9807382	3046.61412089555	2973.13837584267	2957.978339549304	29.5674003207755	15.19533399334167
393	402	29733	-112221.1413	105.70573170250766	39.7739116335405	-101.1984271	311726.4422768375	405361.900113991	3068.52715883965	2970.732532	2958.21364889702	29.58785933642074	12.87329216831631
394	402	29734	-111561.1413	105.70573170250766	39.773988491303	-101.1960807	311927.4868143525	405357.81793106	3086.43989516458	2968.291079904242	2958.595137089565	29.584294784363958	9.96592624576477
395	402	29735	-110901.1413	105.70573170250766	39.774048957218	-101.1937342	312128.4875181364	405349.936731714	3104.066485989357	2965.850182618636	2959.347125104073	29.58873953642034	6.503057514562897
396	402	29736	-110241.1413	105.70573170250766	39.774140467965	-101.191387	312329.407	405349.659297816	3118.407417748724	2963.4119401777707	2960.468758808443	29.599488380941244	2.805564316926393
397	402	29737	-109681.1413	105.70573170250766	39.7742163449634	-101.189412	31259.466923946	405345.9807382	3118.407417748724	2963.4119401777707	2960.468758808443	29.599488380941244	2.805564316926393
398	402	29738	-109021.1413	105.70573170250766	39.774231349634	-101.186547	312731.4541647696	405341.979631714	3105.08956061254	2964.326157989454	2964.326157989454	29.632617989454	0.14823839535847583
399	402	29739	-108261.1413	105.70573170250766	39.7743659799535	-101.1843482	312832.44560371665	405337.421510968	3155.357965478204	2956.1332802048446	2966.895449791547	29.665.790138247675	0
400	402	29740	-107601.1413	105.70573170250766	39.7744001176498	-101.1820017	313133.4368602413	405333.34258943	3150.555181519623	2953.71979102066	2964.7438614414242	29.684.1196719765303	0
401	402	29741	-106941.1413	105.70573170250766	39.774513802011	-101.1796552	313334.42793479015	405329.26308366	3145.752414804553	2951.310523	2972.8999103196543	29.709.8931951109096	0
402	402	29742	-106281.1413	105.70573170250766	39.7745687030071	-101.1773087	313535.418827394	405325.18549226	3140.94964467516	2948.904470897797	2976.224242	29.7379177903547	0
403	402	29743	-105621.1413	105.70573170250766	39.7746598106682	-101.1749623	313736.40958314653	405321.107	3138.3156513164035	2946.502679495686	2973.4342406373285	29.7708095398787	0
404	402	29744	-104961.1413	105.70573170250766	39.7747321349634	-101.1728158	313937.4004974475	405317.02931234	3144.10692051454	2982.10297689547	2982.10297689547	29.824.17370754444	0
405	402	29745	-104301.1413	105.70573170250766	39.7748004095765	-101.1702693	314138.390145439	405312.951600364	3142.3852139893357	2941.71684772177	2983.391680720314	29.86959384057029	0
406	402	29746	-103641.1413	105.70573170250766	39.7748754	-101.1679228	314339.3805823232	405308.874126901	3143.920004322609	2939.332064753097	2982.5701345543157	29.880.283525636936	0
407	402	29747	-102981.1413	105.70573170250766	39.7749648878565	-101.1655763	314540.3706	405304.796848335	3142.258472462638	2947.6688841153	2979.679066230305	29.8954891707106	0
408	402	29748	-102321.1413	105.70573170250766	39.775016898788	-101.1632298	314741.36037360947	405300.719094163	3147.406141323614274	2974.955029808318	2972.798502303363	29.927.798502303363	0
409	402	29749	-101681.1413	105.70573170250766	39.7750898953756	-101.1608823	314942.34989922438	405296.634154864	3132.547805	2932.274959154667	2970.057030451188	29.9609233423784	0
410	402	29750	-101001.1413	105.70573170250766	39.7751566506159	-101.1583836	315145.33944259684	405292.56664944	3137.9719495397656	2959.614909434483	2963.758771567178	29.91.9923235675023	0
411	402	29751	-100341.1413	105.70573170250766	39.775231945096	-101.156489	315354.33944259684	405288.4949494	3137.9719495397656	2959.614909434483	2963.758771567178	29.91.9923235675023	0
412	402	29752	-99681.1413	105.70573170250766	39.7753094005745	-101.1538438	315545.3179201515	405284.143551905	3108.90318853507	2925.30662269903	2951.27907383053	29.949.93977085385	0
413	402	29753	-99021.1413	105.70573170250766	39.7753626352583	-101.1514973	315746.3066969521	405280.33871338	3097.9986052179653	2923.096311705029	2945.283724334011	29.944.037382149228	0
414	402	29754	-98361.1413	105.70573170250766	39.7754304441126	-101.1491508	315947.29542243626	405277.362028827	3097.9986052179653	2923.096311705029	2945.283724334011	29.944.037382149228	0
415	402	29755	-97701.1413	105.70573170250766	39.7755497816197	-101.1468043	316148.283696872	405272.78772647	3082.7885956014	2918.640165099335	2934.238713292685	29.933.447485	0
416	402	29756	-97041.1413	105.70573170250766	39.775646658132	-101.1444578	316349.27243577933	405268.112665767	3085.092360130377	2916.45302395304	2929.298120571637	29.928.6351242429614	0
417	402	29757	-96381.1413	105.70573170250766	39.77573910962884	-101.1421133	316550.2580714113	405264.037847224	3085.092360130377	2916.45302395304	2929.298120571637	29.928.6351242429614	0
418	402	29758	-95721.1413	105.70573170250766	39.775807740917	-101.139748	316751.2489338						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
496	492738	-44901.14133	105.70573170250766	39.77791459282807	-100.9509084	33222.8053808846	4049496.944801286	2988.6749361828915	2867.5843011508055	2884.206511318061	2885.365899348431	0	0	
496	492738	-44241.14133	105.70573170250766	39.779446243334	-100.9566739	332427.780933446	4049492.889202059	2986.2522159842635	2867.406916400727	2881.27815573617	2882.5754497548336	0	0	
497	492737	-43881.14133	105.70573170250766	39.77964816703135	-100.9649094	332689.5464347866	4049498.8334794715	2986.8229156794024	2867.8229156794024	2882.5754497548336	2882.5754497548336	0	0	
498	492738	-42201.14133	105.70573170250766	39.7795064163746	-100.9620438	332829.7290314873	4049493.78179514	2915.4067755869273	2867.051051398473	2874.3867810794304	2876.2805247338924	0	0	
499	492738	-42261.14133	105.70573170250766	39.77953562736295	-100.9496973	333030.703257580	4049490.732120179	3025.48090131507027	2866.870755504648	2871.0178579996796	2873.305107907244	0	0	
500	492740	-41601.14133	105.70573170250766	39.7795644749965	-100.9473508	333217.6773219629	4049526.668301458	3037.0762084769094	2866.6862341955825	2867.849396749381	2870.3723475185403	0	0	
501	492741	-40941.14133	105.70573170250766	39.77795928	-100.9450043	333432.651224396	404922.614	3048.6651684307527	2866.4966188430752	2864.8896022059207	2867.61544728795	1.6097166371473577	0	
502	492742	-40821.14133	105.70573170250766	39.7796270201246	-100.9426577	333633.6250663257	404918.559383805	3060.205099129322	2866.3004872998504	2862.401617887721	2864.7926325061794	3.889898412129443	1.5078547936709583	
503	492743	-39651.14133	105.70573170250766	39.77964816703135	-100.9403112	333834.5986481646	404914.520528671	3068.1139825284633	2866.0937549609423	2863.4016278991566	2862.569138894065	5.962454745845843	2.578767158937463	
504	492744	-38961.14133	105.70573170250766	39.77796759	-100.9379647	334035.5720564192	404915.4143015	3068.253852045576	2865.8690002034833	2857.722496025892	2859.7836140379324	8.14650420734055	6.07358538939021	
505	492745	-38031.14133	105.70573170250766	39.7797016878523	-100.9356182	334236.5453253453	4049036.39741734	3068.391774724797	2865.6224251448757	2855.4172455518987	2850.19582877008	8.712231374	0	
506	492746	-37641.14133	105.70573170250766	39.779727707305515	-100.9332716	334437.518423796	404902.34443912	3066.5327694501412	2865.204948747868	2853.204576218981	2855.178623758219	12.144672368495808	10.170486201763197	
507	492747	-36981.14133	105.70573170250766	39.7797533950295	-100.9309251	334638.4913619852	404908.291304835	3063.9619665315818	2865.043199738914	2851.0664258622887	2852.366972898376	13.76898411160253	12.106622675503786	
508	492748	-36321.14133	105.70573170250766	39.7797785725914	-100.9285786	334839.46414011286	404948.238410718	3058.680178337204	2864.691553526811	2848.9676110568352	2850.71104521425015	15.70914269746048	13.985701112061042	
509	492749	-35681.14133	105.70573170250766	39.779803297323	-100.9262321	335040.4937583555	404890.186	3053.3995617583596	2864.29953645581	2846.958139565683	2848.493758258229	17.3442722519595787	15.806258986	
510	492750	-35001.14133	105.70573170250766	39.7798275688142	-100.9238855	335241.40921701223	404886.13344073	3048.1183740379892	2863.8309516542104	2844.64077902577	2846.283508417173	19.19827172833568	17.555433237037455	
511	492751	-34341.14133	105.70573170250766	39.7798513825401	-100.921539	335442.28511619554	404882.081171527	3043.139971053535	2863.298919904394	2842.644692379786	2841.012659578199	21.65035666415483	19.21856324874558	
512	492752	-33681.14133	105.70573170250766	39.7798747449111	-100.9191925	335643.3536514586	404878.023294398	3038.464109283055	2862.664091770221	2840.876010945697	2842.00547556282	21.7688077565145	20.63853913939062	
513	492753	-33021.14133	105.70573170250766	39.7798976539263	-100.916846	335844.32563766566	404873.97574069	3038.787919715057	2861.910019040089	2838.1767841370292	2839.9690970284273	22.733234903059838	21.940929201166177	
514	492754	-32361.14133	105.70573170250766	39.7799201095806	-100.9144994	336045.29145916487	404869.926092363	3022.113170840481	2861.013388948385	2837.681539738621	2838.46506806937	23.31491515576657	22.5475826464453	
515	492755	-31701.14133	105.70573170250766	39.77994211189025	-100.9121529	336246.2691226476	404865.878963805	3026.072661993107	2859.94967545232	2836.4319362246474	2837.1619439890905	23.51776132276472	22.787758246231522	
516	492756	-31041.14133	105.70573170250766	39.779963606336	-100.9098064	336447.2406277195	404861.839631304	3021.27136780717	2858.6975480591695	2835.265794553417	2835.963585828833	23.7442722519595787	22.71395847628628	
517	492757	-30381.14133	105.70573170250766	39.77998467594314	-100.9076955	336648.21951977	404857.7318675832	3016.3623786743797	2857.4245616042777	2834.0624704817515	2834.1255440469818	24.8204661004311	19.06204869461484	
518	492758	-29721.14133	105.70573170250766	39.7800053986683	-100.9051133	336849.183	404853.72297543	3012.856407684342	2855.507717738934	2833.850487439056	2833.402838985923	22.7305873483735	22.122730732301112	
519	492759	-29061.14133	105.70573170250766	39.78002587585456	-100.9027668	337050.15419458	404849.672148842	3010.421209	2853.702294212616	2831.6025867117193	2831.12421703746324	22.1176427041227	21.57809634482919	
520	492760	-28401.14133	105.70573170250766	39.7800453230749	-100.9004203	337251.1250680342	404845.62240582	3008.92923	2851.671227071586	2830.1670860732806	2831.076701545132	21.51036633877917	20.6010511620258	
521	492761	-27741.14133	105.70573170250766	39.7800650642443	-100.8980738	337452.0957841532	404841.57272753	3007.446251	2849.4759961563	2828.7999180192805	2829.60719604132	20.67484194228455	19.86756935743096	
522	492762	-27081.14133	105.70573170250766	39.7800834340581	-100.8957272	337653.0663430967	404837.52143532	3005.963272	2847.138247680962	2827.327165884324	2828.07987	18.8411879419174	19.0583771222018	
523	492763	-26421.14133	105.70573170250766	39.78010190951578	-100.8933807	337854.036374507467	404833.4738289562	3003.8428289562	2845.881872823703	2826.06823875959	2826.06841004311	18.6121328058137	18.249076742297	
524	492764	-25761.14133	105.70573170250766	39.7801197131671	-100.8910242	338056.096092921	404829.424811782	3002.6745442711013	2842.1573704342193	2824.912840491582	2824.912840491582	18.24172614088343	17.712116003477	
525	492765	-25101.14133	105.70573170250766	39.78013720036334	-100.8886877	338255.9771	404825.376005598	3001.924752	2839.553082310185	2822.68844623617	2822.577911824677	17.224323762783162	16.97810740717225	
526	492766	-24441.14133	105.70573170250766	39.780151257528	-100.8863411	338456.947	404821.327439083	3000.205939	2838.89437874117	2820.7688282709525	2820.62405625067	16.12544704194664	16.30756247864027	
527	492767	-23781.14133	105.70573170250766	39.78017077778664	-100.8839946	338657.9187745317	404817.297141391	3000.0413346186	2834.19374719526	2818.88095935379	2818.756644553736	15.32138513657516	15.437103162124951	
528	492768	-23121.14133	105.70573170250766	39.780186864642	-100.8816841	338858.886407693	404813.21029348	3000.0413346186	2831.41455639845	2816.900985161858	2816.9331682196	14.4992673682196	14.58734177955329	
529	492769	-22461.14133	105.70573170250766	39.7802025417856	-100.8793015	339059.85867220814	404809.183	2998.814535681351	2828.70225200006	2815.226162299164	2814.8881347379355	13.47490560149732	13.8200951476283	
530	492770	-21801.14133	105.70573170250766	39.7802177437558	-100.876955	339260.2519177	404805.15530407	2997.2413540947	2825.24512516129	2813.1255440469818	2813.1255440469818	12.524143144547907	12.7906776542979	
531	492771	-21141.14133	105.70573170250766	39.7802324925991	-100.8749058	339461.7943487414	404801.088216371	2996.2828675876186	2823.132925	2811.288973089523	2811.750676399541	11.8436201671987	11.82040674609086	
532	492772	-20481.14133	105.70573170250766	39.7802467876128	-100.872262	339662.763333498	404797.041	2996.257956156756	2820.33166821043	2809.6720892205026	2809.934780723242	10.64922760054403	10.39658907809091	
533	492773	-19821.14133	105.70573170250766	39.780262625094	-100.8699154	339863.73217710014	404792.994209421	2993.833035363308	2817.5232925447244	2807.8764402592703	2808.081618380755	9.658872502701592	9.44167506684914	
534	492774	-19161.14133	105.70573170250766	39.7802741801496	-100.8675689	340064.700660645	404788.947566427	2993.008114554903	2814.711554706175	2805.899911958857	2806.065938537281	8.81183564289524	8.6456162229405	
535	492775	-18501.14133	105.70573170250766	39.780289532337	-100.8652224	340265.6690053715	404784.9513167385	2991.551097595258	2811.898653732266	2803.934685596353	2804.064105780223	7.962083139590501	7.852437952042692	
536	492776	-17841.14133	105.70573170250766	39.780294350615	-100.8628758	340466.6378072584	404780.855001371	2990.219855514523	2809.68728309507	2802.1706418800507	2802.1706418800507	6.96060429051302	6.915914816097938	
537	492777	-17181.14133	105.70573170250766	39.7803093368678	-100.8604651	340667.6330968335	404776.5309697298	2989.034298165188	2807.832594852723	2800.832594852723	2800.832594852723	5.96060429051302	5.915914816097938	
538	492778	-16521.14133	105.70573170250766	39.780323386471	-100.8581288	340868.5740790727	404772.763	2987.62857545233	2803.47536479674	2799.114012897814	2799.114012897814	4.96060429051302	4.915914816097938	
539	492779	-15861.14133	105.70573170250766	39.7803341604063	-100.8558363	341069.5419974647	404768.717959367	2987.408288083621	2798.085472481377	2798.010524851377	2798.010524851377	3.96060429051302	3.915914816097938	
540	492780	-15201.14133	105.70573170250766	39.780344288085	-100.8534897	341270.5097627513	404764.72714734	2986.3512296403	2797.8918963149426	2797.1310201858373	2797.1310201858373	2.96060429		

ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurElev	W.Lt.	BRIElevLogsKrg	BRIElevBohKrg	SatElevLogsKrg	SatElevBohKrg
621	40279361	38258.8586730335	105.7057310250766	37.7797037240795	-100.663421	358458.40824454984	4044437.808578389	2690.71614422337	261.12510910513547	261.125139580445	261.1197577098812	32925709310225	33235.193545247046
622	4027932	38191.8586730335	105.7057310250766	37.7796798	-100.6610744	3577.949347127175	4044433.783044508	2684.765224768279	261.2596873661139	260.8685419	260.83772941475	33704059218790574	33581.4424637014
623	4027933	38258.8586730335	105.7057310250766	37.779690542665	-100.6614878	3578.9187645044	4044426.57754867	2680.548557173477	260.648951634145	260.654317583477	260.648545717777	339253424683363	41.0094865367623
624	4027934	40238.8586730335	105.7057310250766	37.779624919005	-100.6653814	3581.5127485227	4044425.732704752	2665.85608673699	260.876426114347	260.876426114347	260.86021326077	3749631822593055	4812140045367801
625	4027935	40898.8586730335	105.7057310250766	37.779564250209	-100.6540349	3583.23209989778	4044417.70894155	2655.242634904065	260.695793175196	259.961120058037	260.0753438261565	3734673124365145	6.62044540939348
626	4027936	41558.8586730335	105.7057310250766	37.779463047805	-100.6516883	3585.5318299037	4044417.66623365	2644.70361260266	260.7403641260266	259.4356114693246	259.45605893134484	3780154123839632	78.154123839632
627	4027937	42218.8586730335	105.7057310250766	37.779353719673	-100.6493418	3587.54115025104	4044413.65899147	2638.872012102562	259.8642035089118	258.8482227102562	258.8482227102562	3780154123839632	16.26281212004448
628	4027938	42878.8586730335	105.7057310250766	37.77930583425304	-100.6469953	3589.6550967070343	4044409.634899379	2637.97485347889	260.7115472447817	258.1960134808018	258.1960134808018	3780154123839632	19.12061575788949
629	4027939	43538.8586730335	105.7057310250766	37.779247878	-100.6446488	3591.561515037887	4044405.11046761	2637.079038674726	259.599226543103	258.24230682444	258.24230682444	3780154123839632	16.1187462203268
630	4027940	44198.8586730335	105.7057310250766	37.7791448492852	-100.6423022	3593.5710064	404401.587431616	2596.72358143211	258.335208579527	258.335208579527	258.335208579527	3780154123839632	12.8595084552149
631	4027941	44858.8586730335	105.7057310250766	37.779417032767	-100.6399557	3595.671006535615	404397.56405738	2640.811350913288	259.474785014085	258.5004979332445	258.5004979332445	3780154123839632	9.644419513789323
632	4027942	45518.8586730335	105.7057310250766	37.779386629132	-100.6376092	3597.58195943595	404393.541	2650.97363590486	259.775181706179	258.5436249113323	258.5436249113323	3780154123839632	7.226804749
633	4027943	46178.8586730335	105.7057310250766	37.779353691955	-100.6352627	3599.5987	404389.51802893	2661.141074909075	259.8013350180321	258.5103693832265	258.5103693832265	3780154123839632	5.643736172542675
634	4027944	46838.8586730335	105.7057310250766	37.779323422131	-100.6329162	3601.60182422173	404385.49537589	2671.36045836747	258.862516	258.4097153219768	258.4097153219768	3780154123839632	4.48432173706857
635	4027945	47498.8586730335	105.7057310250766	37.7792910216963	-100.6305968	3603.68177834628	404381.47256784	2679.39563046024	260.342936442326	258.2584037176873	258.2584037176873	3780154123839632	3.4681694194233055
636	4027946	48158.8586730335	105.7057310250766	37.7792582	-100.6282231	3605.6273269589	404377.450171177	2685.40128429943	258.5103693832265	258.4097153219768	258.4097153219768	3780154123839632	4.571907730913056
637	4027947	48818.8586730335	105.7057310250766	37.779248607795	-100.6258766	3607.6388229337	404369.47256784	2691.422620825237	258.1330918754003	257.849606691739	257.849606691739	3780154123839632	5.00277697417388
638	4027948	49478.8586730335	105.7057310250766	37.7791911028975	-100.6235301	3609.6435956289	404369.407146405	2697.431132206877	258.126905329989	257.6324023	257.6324023	3780154123839632	5.4767769391311
639	4027949	50138.8586730335	105.7057310250766	37.779158684457	-100.6211835	3611.65593487883	404365.386	2698.360691528053	257.974327887601	257.409336366384	257.409336366384	3780154123839632	5.75208121282684
640	4027950	50798.8586730335	105.7057310250766	37.779122192476	-100.618837	3613.661347098475	404361.364691985	2694.19635472406	257.63518204066	257.534496330261	257.534496330261	3780154123839632	5.41468126296014
641	4027951	51458.8586730335	105.7057310250766	37.779087089693	-100.6164905	3615.67003373628	404357.34489661	2690.02319667967	257.5787807989587	257.453087710968	257.453087710968	3780154123839632	4.934456115657485
642	4027952	52118.8586730335	105.7057310250766	37.7790515247892	-100.614144	3617.6845332018	404353.323	2685.86186161698	257.4168175442987	257.223696304837	257.223696304837	3780154123839632	4.638849194620085
643	4027953	52788.8586730335	105.7057310250766	37.779015475291	-100.611927	3619.684960387	404349.80224689	2683.430224689	257.4168175442987	257.223696304837	257.223696304837	3780154123839632	4.368849194620085
644	4027954	53438.8586730335	105.7057310250766	37.778979	-100.6094509	3621.7013595	404345.2819872005	2690.7455177135108	257.0475501144566	256.879255930382	256.879255930382	3780154123839632	4.076317925497165
645	4027955	54098.8586730335	105.7057310250766	37.77894282473	-100.6071044	3623.71312326541	404341.262	2695.74535109184	256.94707952337	256.879255930382	256.879255930382	3780154123839632	3.780154123839632
646	4027956	54758.8586730335	105.7057310250766	37.7789047	-100.6047579	3625.72469445515	404337.24218266	2697.012855013852	256.811469676391	256.767234527067	256.767234527067	3780154123839632	3.4767311664054
647	4027957	55418.8586730335	105.7057310250766	37.7788685495105	-100.6024114	3627.73127308574	404333.22268784	2697.94178278102	256.6905015192396	256.4832930270046	256.4832930270046	3780154123839632	3.1802499145002
648	4027958	56078.8586730335	105.7057310250766	37.7788286609222	-100.600049	3629.74316936037	404329.20334609	2698.13484260115	256.6587138786267	256.269198242664	256.269198242664	3780154123839632	2.8934615657485
649	4027959	56738.8586730335	105.7057310250766	37.7787988135491	-100.597714	3631.75479625	404325.18489737	2698.327987878724	256.375642679213	256.0753438261565	256.0753438261565	3780154123839632	2.60753438261565
650	4027960	57398.8586730335	105.7057310250766	37.77875051729043	-100.5953718	3633.787503375155	404321.16544157	2697.52096141328	256.470861296215	255.949404296215	255.949404296215	3780154123839632	2.3167200885040
651	4027961	58058.8586730335	105.7057310250766	37.778710958157	-100.5930253	3635.77026366309	404317.14685784	2698.5626903502	256.410395004477	255.84115935306	255.84115935306	3780154123839632	2.0307936957007
652	4027962	58718.8586730335	105.7057310250766	37.7786708512735	-100.5906788	3637.7792491446	404313.118210842	2697.8232749734	256.3305938014763	255.7506904811167	255.7506904811167	3780154123839632	1.73017411397607
653	4027963	59378.8586730335	105.7057310250766	37.778632904782	-100.5883323	3639.78309014975	404309.11404309	2698.3305586466	256.3461414338207	255.838136880664	255.838136880664	3780154123839632	1.43800451756904
654	4027964	60038.8586730335	105.7057310250766	37.778598763298	-100.5859588	3641.79816233978	404305.093	2697.2332789791976	256.1428010331645	255.7482941269888	255.7482941269888	3780154123839632	1.143067310062513
655	4027965	60698.8586730335	105.7057310250766	37.778547808285	-100.5836392	3643.803331655006	404301.075	2598.174698	256.4485487134204	255.663877983717	255.663877983717	3780154123839632	0.85239170964193
656	4027966	61358.8586730335	105.7057310250766	37.778508735491	-100.5813927	3645.8417466925	404297.05151534	2597.12724620024	256.375642679213	255.5943071040073	255.5943071040073	3780154123839632	0.571907730913056
657	4027967	62038.8586730335	105.7057310250766	37.7784631376764	-100.5798962	3647.827373134883	404293.036442	2596.05810652584	256.375642679213	255.5943071040073	255.5943071040073	3780154123839632	0.28329170964193
658	4027968	62678.8586730335	105.7057310250766	37.7784206820664	-100.5765997	3649.8368618054	404289.03245978	2596.15254169806	256.375642679213	255.5943071040073	255.5943071040073	3780154123839632	0.02751184
659	4027969	63338.8586730335	105.7057310250766	37.7783740529385	-100.5742532	3651.841673380865	404285.0067606	2606.915458216926	256.1973777799483	255.266327623242	255.266327623242	3780154123839632	0.1310205066240
660	4027970	63998.8586730335	105.7057310250766	37.7783336710286	-100.5719067	3653.855880461674	404280.99034748	2615.448724520036	256.1428010331645	255.266327623242	255.266327623242	3780154123839632	0.06962469681497
661	4027971	64658.8586730335	105.7057310250766	37.778289483107	-100.5696962	3655.86393591425	404276.974	2618.39208802004	256.7481414906356	255.612181474915	255.612181474915	3780154123839632	0.01596027250557
662	4027972	65318.8586730335	105.7057310250766	37.778244444306	-100.5673136	3657.87489459064	404272.9581747	2632.515387123457	256.7481414906356	255.612181474915	255.612181474915	3780154123839632	0.00121768183154
663	4027973	65978.8586730335	105.7057310250766	37.778199348583	-100.5649815	3659.88490763315	404268.93451021	2635.5485487134204	256.7481414906356	255.612181474915	255.612181474915	3780154123839632	0.000121768183154
664	4027974	66638.8586730335	105.7057310250766	37.778154000427	-100.5625206	3661.8947907458049	404264.927006717	2638.591052565185	256.71462	255.530771409104	255.530771409104	3780154123839632	0.0000121768183154
665	4027975	67298.8586730335	105.7057310250766	37.7781081994156	-100.5601741	3663.90340522328	404260.91769442	2641.7325149717864	256.727860650275	255.699800624955	255.699800624955	3780154123839632	0.00000121768183154
666	4027976	67958.8586730335	105.7057310250766	37.7780714503645	-100.5578								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREVELogsKrg.ft	BREVEBothKrg.ft	SurfHtBoth.ft
7	49	29487	-369881.1413	0577713.710250766	39.72851538457225	-102.1041384	234131.9421480503	407156.399	3745.2732719562127	3555.399698153846	3477.4328404916643	3477.916623436061	77.46658406218194
8	49	29488	-366321.1413	0577713.710250766	39.72876722006069	-102.1017923	234333.0204480438	407152.24200342	3745.532620141856	3545.442642730792	3478.408272304543	3478.4327363	75.2359266051591
9	49	29489	-368701.1413	0577713.710250766	39.7290186023906	-102.0944683	234534.0949466813	407140.05002343	3751.79165717499	3551.803618118164	3477.8192456292156	3477.8192456292156	75.1075112986969
10	49	29490	-365001.1413	0577713.710250766	39.7292696313583	-102.0971	234715.1762603572	407154.06808987	3755.0513165114	3550.1445563432	3477.318795421386	3477.3187971030037	75.2190075403329
11	49	29491	-363431.1413	0577713.710250766	39.7295020071536	-102.0947538	234936.2537717813	407139.307289995	3758.825903829463	3548.39130825504	3478.52933943342	3478.52933943342	75.179668216194
12	49	29492	-363681.1413	0577713.710250766	39.7297000721466	-102.0924077	235137.310320227	407153.52893578	3763.19699039162	3546.656797608516	3477.8800001482	3477.8800001482	75.16867967393641
13	49	29493	-363021.1413	0577713.710250766	39.730016990451	-102.0900616	235338.4800878567	407131.35726089	3767.50102990877	3544.9173648141295	3480.452179739563	3480.452179739563	75.16569370317022
14	49	29494	-362621.1413	0577713.710250766	39.7302687151328	-102.0877155	235539.348737249	4071127.16276106	3771.865047944843	3543.180898409437	3491.089175	3488.7347178231685	52.091741169413535
15	49	29495	-361701.1413	0577713.710250766	39.73058174	-102.0858393	235740.56119573477	407123.01064038	3781.693366919018	3541.4472104321796	3486.95138012252	3486.95138012252	51.1538037196341
16	49	29496	-361041.1413	0577713.710250766	39.730755875091	-102.0830232	235941.6370973454	407118.3756492	3772.019552202306	3539.716587566493	3486.400275627126	3484.2418296319187	53.3136001172882
17	49	29497	-360381.1413	0577713.710250766	39.731013349923	-102.080677	236142.7133370055	407114.66533657	3771.851971722034	3537.868026593604	3486.0574492373116	3484.076817058496	51.9313154222802
18	49	29498	-359721.1413	0577713.710250766	39.73126064713885	-102.0783309	236343.78901568486	407110.49337408	3770.916224312354	3536.264948474109	3482.776482462544	3482.776482462544	53.48853612785476
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ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatThkLog.ft	SatThkBoth.ft	
133	403	297613	-288282.1413	105777.3170250766	39.7566729963994	-101.8088139	259465.8036819807	4066632.34428068	3291.8802272355897	3291.8802272355897	3264.5436169885756	3263.9352605083867	35.76016024071405	27.94470663175298
134	403	297614	-288161.1405	105777.3170250766	39.75667292044586	-101.8061672	259666.85045891652	4066628.20704699	3292.38546568264	3292.38546568264	3265.425116413509	3264.50000000000	26.960349154755022	27.88485803840397
135	403	297615	-288051.1405	105777.3170250766	39.75722667138334	-101.8036209	259867.8970056846	4066624.240139048	3296.263736898758	3296.263736898758	3271.032763840767	3270.152418628497	28.1123110648903	28.1123110648903
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168	403	297648	-260721.1405	105777.3170250766	39.76322363215105	-101.726317	266502.301100852	4066487.46119511	3484.621752061948	3316.173206426582	3268.72621	3268.72621	49.431306375454	49.431306375454
169	403	297649	-260061.1405	105777.3170250766	39.76340181256224	-101.7240453	266703.339914525	4066483.30625688	3473.785437499483	3315.763923494787	3267.747917498943	3268.411454894304	49.0690618277836	47.31243434666576
170	403	297650	-259401.1405	105777.3170250766	39.7635802186009	-101.72169	266904.3728854495	4066479.91159301	3475.87243599474	3315.3146858943027	3266.620401163416	3267.194937153723	48.6990472797072	48.12545874030025
171	403	297651	-258741.1405	105777.3170250766	39.7637581713506	-101.7193526	267105.4163429469	4066475.05659394	3475.915425879176	3315.84884840628	3265.3216182712576	3265.743518604393	49.5471021280511	49.12521987191375
172	403	297652	-258081.1405	105777.3170250766	39.76393557	-101.7170062	267306.45243473574	4066470.922102949	3475.071117139176	3314.3923093787557	3263.764734	3263.764734	50.6247551452586	50.6247551452586
173	403	297653	-257421.1405	105777.3170250766	39.7641127169363	-101.7146599	267507.4920372327	4066467.78393954	3481.22680890339	3313.85268782164	3261.9246516183815	3261.9246516183815	51.9290025984314	51.9290025984314
174	403	297654	-256761.1405	105777.3170250766	39.764289505716971	-101.7123138	267710.5294955135	4066462.654204035	3487.382500416102	3313.4151350304	3260.60700155592	3260.60700155592	52.7403568354253	52.7403568354253
175	403	297655	-256101.1405	105777.3170250766	39.76446781654025	-101.7099819	267915.7652845956	4066458.723393085	3493.86864217373	3312.98685214453	3259.439852978862	3259.439852978862	53.949853394965	53.949853394965
176	403	297656	-255441.1405	105777.3170250766	39.76464141355537	-101.7076208	268110.63771792415	4066453.9883911596	3510.77184874515	3311.4657735342316	3258.66807021205	3258.66807021205	54.967706750508	54.967706750508
177	403	297657	-254781.1405	105777.3170250766	39.7648163684886									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBotKgr.f	SAstElev.f	SAstBoth.f
259	403	27730	-200661.1413	1057771.3170250766	37.7776428504693	-101.5128686	284795.8984263934	4406112.159827013	3456.5422431119027	3326.1676148285116	3138.5616966443324	3138.56169664596933	38.4458401482077	88.1105034864904
260	403	27740	-200001.1413	1057771.3170250766	37.7777045820212	-101.5105221	284966.91696212548	4406108.046814288	3452.530768152434	3324.53818523449	3137.5370664334973	3137.5370664334973	38.73797875294598	87.37797875294598
261	403	27741	-199861.1413	1057771.3170250766	37.77779176126048	-101.5081757	285197.8352689305	4406103.934045413	3457.941516468968	3327.9457885211462	3138.296153540004	3138.296153540004	38.7998685374621	86.63885374621
262	403	27742	-199681.1413	1057771.3170250766	37.7780543136809	-101.5055922	285398.95340071444	4406099.821581766	3440.547823411553	3320.2387325092136	3138.817718076136	3138.817718076136	38.42605443	85.951020775201
263	403	27743	-198621.1413	1057771.3170250766	37.77819066142796	-101.5034828	285599.971303823	4406095.709	3443.285505938871	3321.064727691621	3132.286861977052	3132.722021427937	85.7779171456886	85.34275842069383
264	403	27744	-197361.1413	1057771.3170250766	37.7783235584645	-101.5011363	285800.98896041	4406091.597193722	3444.852433627007	3321.85.87956	3130.708476170424	3131.1011531119683	85.1710832259778	84.77800673105185
265	403	27745	-196701.1413	1057771.3170250766	37.778461696939	-101.4987898	286002.0064794923	4406087.48539612	3446.419810313274	3321.68544545313	3127.449593753333	3127.449593753333	84.92294892245896	84.5893194871304
266	403	27746	-196041.1413	1057771.3170250766	37.7785965846962	-101.4964434	286203.20257215956	4406083.37839637	3447.919619300376	3321.48245445313	3127.449593753333	3127.449593753333	84.0366607117838	83.84732293
267	403	27747	-195381.1413	1057771.3170250766	37.7787391011826	-101.4940469	286404.04076289196	4406079.263269635	3447.941516468968	3320.2387325092136	3128.95250523794	3128.95250523794	84.080832584166	83.43117391700616
268	403	27748	-194721.1413	1057771.3170250766	37.7789650022795	-101.4917505	286905.0576853095	4406075.1545648	3448.285073711392	3320.26690458077	3124.13317893607	3124.077434586777	82.9345259	82.9858548190993
269	403	27749	-194061.1413	1057771.3170250766	37.7789895279986	-101.489404	286906.0743	4406071.040628917	3444.628831054089	3320.483229303697	3122.4472563733307	3122.36914832166	82.9345259	82.4563109942697
270	403	27750	-193401.1413	1057771.3170250766	37.77913160243926	-101.4870575	287007.9007469746	4406066.930044089	3442.972588376633	3320.6359601412354	3120.9203714560794	3120.6697023821425	81.73134685155938	81.9698037890928
271	403	27751	-192741.1413	1057771.3170250766	37.779224325482	-101.4847111	287208.1069775262	4406062.191070193	3438.9543270477055	3320.434768305634	3119.3144883	3118.9891629974536	81.1189934411158	81.48441383130018
272	403	27752	-192081.1413	1057771.3170250766	37.7793963913284	-101.4823646	287409.122899753	4406058.599042949	3435.57398	3139.2387546246946	3119.356920941978	3117.255616161996	80.9801930049501	80.37841892
273	403	27753	-191421.1413	1057771.3170250766	37.77952810577645	-101.4800182	287610.1387982486	4406054.799457423	3431.19368439844	3139.088108579566	3117.792712656004	3115.58169	78.2653092455227	80.37841892
274	403	27754	-190761.1413	1057771.3170250766	37.779693669831	-101.4776717	287811.1543983747	4406050.9401131617	3428.8133490245277	3139.890717751354	3116.2036622967707	3114.1616306901673	77.69240549	79.71441108013072
275	403	27755	-190101.1413	1057771.3170250766	37.7797901746783	-101.4753252	288012.1679036445	4406046.381	3424.230917428702	3139.71228450194	3116.476928334064	3112.7566669592922	77.08430011612973	79.0045614970157
276	403	27756	-189441.1413	1057771.3170250766	37.7799250291315	-101.4729788	288213.1849744241	4406042.271631374	3423.446373652367	3139.67630471562	3113.225125217994	3111.3842712536792	78.2854387235784	78.2854387235784
277	403	27757	-188781.1413	1057771.3170250766	37.78005034252274	-101.4706323	288414.1999507586	4406036.724274526	3422.661829676313	3138.636508752236	3111.8626259205457	3110.12348	75.7390505467793	77.53150058742355
278	403	27758	-188121.1413	1057771.3170250766	37.78017198704131	-101.4682858	288615.2147	4406034.0454	3421.877699969634	3138.6529627778886	3110.6024320819693	3108.951407319644	75.0905300951937	76.74149243
279	403	27759	-187461.1413	1057771.3170250766	37.7802738724977	-101.4659394	288816.2292810805	4406029.545700829	3421.81617426989	3138.659938136247	3109.3875482461895	3107.4455673249	75.0905300951937	76.2063870965722
280	403	27760	-186801.1413	1057771.3170250766	37.7804347136211	-101.4639529	289017.2435548023	4406025.837425665	3422.478495457077	3138.140418374572	3108.157788664057	3106.290590702074	73.9622971051508	75.84951267
281	403	27761	-186141.1413	1057771.3170250766	37.78059350141116	-101.4613622	289214.3676289196	4406021.3676289196	3422.478495457077	3138.140418374572	3108.157788664057	3106.290590702074	73.9622971051508	75.84951267
282	403	27762	-185481.1413	1057771.3170250766	37.7808093135681	-101.4589899	289419.2172779196	4406017.516219372	3423.803137179476	3138.94434763315	3105.060970583835	3103.087353417967	73.4579639	75.16662934596458
283	403	27763	-184821.1413	1057771.3170250766	37.7808203169914	-101.4565535	289620.285481151	4406013.514523425	3422.795784778878	3138.94434763315	3105.060970583835	3103.087353417967	73.4579639	75.16662934596458
284	403	27764	-184161.1413	1057771.3170250766	37.7808047047806	-101.454207	289821.2989861606	4406009.407335566	3421.57014036018	3137.950128634967	3102.583861755206	3099.221369902503	73.40626178797614	76.76875816
285	403	27765	-183501.1413	1057771.3170250766	37.7810733192361	-101.4518605	290022.312081316	4406005.300390292	3419.86072423507	3137.54488548895474	3101.2121328807507	3097.7767056504	73.322207805764	76.76808432494343
286	403	27766	-182841.1413	1057771.3170250766	37.7811991	-101.449514	290223.3254	4406001.19398758	3418.151264128278	3137.120294131099	3099.763154	3095.978243545068	73.3224702711909	77.1420567603096
287	403	27767	-182181.1413	1057771.3170250766	37.78132545814354	-101.4471676	290424.3386138997	4405997.24274535	3416.524481	3137.1738271901674	3098.6581902255	3097.76721736769	73.78903596900121	77.0648735896964
288	403	27768	-181521.1413	1057771.3170250766	37.781442255657	-101.4448211	290622.38113060097	4405992.186107429	3414.981402265149	3137.02441263154	3097.65835577323	3097.65835577323	73.6814627228393	77.12131567781
289	403	27769	-180861.1413	1057771.3170250766	37.781573883771	-101.4424746	290826.3636393469	4405988.870530282	3413.4379731262507	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
290	403	27770	-180201.1413	1057771.3170250766	37.78169789155406	-101.4402181	291027.375034255	4405984.76930314	3411.8945443361272	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
291	403	27771	-179541.1413	1057771.3170250766	37.78182445109946	-101.4377817	291228.3803293297	4405980.63610361	3409.94546973816	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
292	403	27772	-178881.1413	1057771.3170250766	37.7819445471999	-101.4354352	291429.3990916906	4405976.55862302	3407.55897687178	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
293	403	27773	-178221.1413	1057771.3170250766	37.7820671948826	-101.4330897	291630.4115899921	4405972.453860238	3405.226413207064	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
294	403	27774	-177561.1413	1057771.3170250766	37.7821923931954	-101.4307422	291844.5537729478	4405969.45476522	3402.8674696549574	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
295	403	27775	-176901.1413	1057771.3170250766	37.78231113402025	-101.4283957	292032.433302027	4405964.244275723	3400.684519	3136.951734	3096.2206982009393	3091.4462556991775	73.3103594566092	77.5054874513269
296	403	27776	-176241.1413	1057771.3170250766	37.7824324181843	-101.4260493	292233.4544080027	4405960.14	3398.6764176849	3135.8455561873493	3094.7789401913415	3091.4462556991775	73.3103594566092	77.5054874513269
297	403	27777	-175581.1413	1057771.3170250766	37.7825532526113	-101.4237028	292434.456273065	4405956.035963402	3396.6684354038	3135.8455561873493	3094.7789401913415	3091.4462556991775	73.3103594566092	77.5054874513269
298	403	27778	-174921.1413	1057771.3170250766	37.7826736	-101.4213563	292635.466935025	4405951.32170062	3394.6602563410434	3135.425911231031	3091.356501447527	3091.356501447527	73.3103594566092	77.5054874513269
299	403	27779	-174261.1413	1057771.3170250766	37.7827935614531	-101.4190908	292836.477933658	4405947.829	3392.88043311434	3135.251462177827	3090.49391201876	3090.49391201876	73.3103594566092	77.5054874513269
300	403	27780	-173601.1413	1057771.3170250766	37.7829130536671	-101.4166633	293037.487451915	4405943.75213483	3391.37943634138	3135.100852018163	3090.49391201876	3090.49391201876	73.3103594566092	77.5054874513269
301	403	27781	-172941.1413	1057771.3170250766	37.783036629514	-101.4143072	293244.5537729478	4405939.45476522	3389.45476522	3135.100852018163	3090.49391201876	3090.49391201876	73.3103594566092	77.5054874513269
302	403	27782	-172281.1413	1057771.3170250766	37.7831503246831	-101.4119703	293439.507552311	4405935.125319424	3388.25116685137	3135.100852018163	3090.49391201876	3090.49391201876	73.3103594566092	77.5054874513269
303	403	27783	-171621.1413	1057771.3170250766	37.7832687	-101.4096238	293640.5172005014	4405931.4168456						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevLogsKrg.ft	BRrElevLogsKrg.ft	SatThkLogs.ft	SatThkBoth.ft
35	297865	-117501.1413	1057773.3170250766	39.7914113892558	-101.2172095	310122.6396	4055595.82958182735	3086.882598093197	2992.826798372312	3020.257284008265	3020.259791905868	0	0	
386	297866	-116841.1413	1057773.3170250766	39.7914918758524	-101.2148629	310323.6331577357	405591.747	3063.0049040610847	2999.8308885132246	3011.3672040729593	3011.205505803089	0	0	
387	297867	-116181.1413	1057773.3170250766	39.7915719009094	-101.2148629	310323.6331577357	405591.747	3063.0049040610847	2999.8308885132246	3011.3672040729593	3011.205505803089	0	0	
388	297868	-115521.1413	1057773.3170250766	39.79165151	-101.2101698	310735.61796492027	405583.8164	3058.83164178196	2999.8308885132246	3011.3672040729593	3011.205505803089	0	0	
389	297869	-114861.1413	1057773.3170250766	39.7917061554146	-101.2078233	310926.61276451504	405557.91052094	3023.218856251897	2980.840560316982	2983.2971106048297	2983.268584649002	0	0	
390	297870	-114201.1413	1057773.3170250766	39.791802886919	-101.2054768	311127.605597308	405557.91052094	3023.218856251897	2980.840560316982	2983.2971106048297	2983.268584649002	0	0	
391	297871	-113541.1413	1057773.3170250766	39.7918785085142	-101.2031302	311328.598246709	405571.338	3106.096710110406	2997.979639388997	2964.4431618402897	2963.268584649002	0	0	
392	297872	-112881.1413	1057773.3170250766	39.79191653	-101.200737	311582.5907117129	405571.338	3106.096710110406	2997.979639388997	2964.4431618402897	2963.268584649002	0	0	
393	297873	-112221.1413	1057773.3170250766	39.7920425892924	-101.1984371	311790.562929467	405583.8164	3146.4322061281035	2999.8308885132246	3011.3672040729593	3011.205505803089	0	0	
394	297874	-111561.1413	1057773.3170250766	39.79211954784784	-101.1960596	311951.575090609	405559.05847259	3073.6025030509224	2967.34580428443	2956.3104245377748	2956.236916071454	11.0737399456528	11.11148247022508	
395	297875	-110901.1413	1057773.3170250766	39.7921595842478	-101.193744	312132.5670449003	405571.338	3106.096710110406	2997.979639388997	2964.4431618402897	2963.268584649002	0	0	
396	297876	-110241.1413	1057773.3170250766	39.7922718072915	-101.1913975	312333.5587360341	405550.935	3142.187498536114	2962.45455559464	2956.920421273589	2956.75621102247857	5.3412431275172	6.17845370705504	
397	297877	-109581.1413	1057773.3170250766	39.7923243069793	-101.1890509	312534.50682421583	405546.855641352	3108.80285	2960.19601528587	2958.441986641088	2957.2443828341784	1.5776148874988394	2.275218694085224	
398	297878	-108921.1413	1057773.3170250766	39.7924223331054	-101.1867044	312735.5416	405542.76059696	3141.511072083415	2960.19601528587	2958.441986641088	2957.2443828341784	1.5776148874988394	2.275218694085224	
399	297879	-108261.1413	1057773.3170250766	39.79249642628554	-101.1843578	312936.53252354325	40555.8696712241	3147.7258709694933	2955.17171	2956.598308002156	2960.407892813052	0	0	
400	297880	-107601.1413	1057773.3170250766	39.79257310859041	-101.1820113	313137.52363310196	405534.617810167	3143.49369196813	2952.7504439336447	2967.148037986218	2966.564258533846	0	0	
401	297881	-106941.1413	1057773.3170250766	39.79264477216564	-101.179647	313338.5148515324	405530.538749728	3139.2614829675865	2950.361752090275	2971.40969589789	2970.37112611289	0	0	
402	297882	-106281.1413	1057773.3170250766	39.79272613005705	-101.1773182	313539.502805460	405526.460130926	3147.948067306661	2947.948067306661	2975.90393447816	2974.5682943021234	0	0	
403	297883	-105621.1413	1057773.3170250766	39.7927907846184	-101.1749716	313740.49574283644	405522.382	3140.956823460086	2945.5494210148704	2960.5583586799744	2970.5612784532004	0	0	
404	297884	-104961.1413	1057773.3170250766	39.7928631108092	-101.1726251	313941.48601612204	405515.8304	3138.8906281478107	2943.1580290373496	2948.812959107739	2948.5621883517497	0	0	
405	297885	-104301.1413	1057773.3170250766	39.79293348363427	-101.1702785	314142.474081054	405514.22572438	3142.875573935533	2947.711228303413	2987.4292737344732	2986.8157402969196	0	0	
406	297886	-103641.1413	1057773.3170250766	39.79300360431186	-101.167932	314343.4604818922	405510.148017885	3146.860519722295	2938.3443855183	2967.3610991388396	2966.9736718371837	0	0	
407	297887	-102981.1413	1057773.3170250766	39.79307382370106	-101.1650823	314545.457486988	405503.085300252	3145.457486988	2937.16969300252	2943.1580290373496	2943.1580290373496	0	0	
408	297888	-102321.1413	1057773.3170250766	39.79313741	-101.1632289	314745.452983004	405501.963491945	3141.9206414744725	2933.6791041326496	2977.7593532091326	2975.6054531106977	0	0	
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410	297890	-101001.1413	1057773.3170250766	39.793287544459	-101.1585458	315147.423550574	405493.83987306	3132.67750275881	2929.402383457312	2974.798430270626	2962.4664465624833	0	0	
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416	297896	-97041.1413	1057773.3170250766	39.79369566322416	-101.144664	316353.3551328335	405469.38432495	3090.7041377092924	2915.556405014143	2929.38412193629	2927.684396776233	0	0	
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419	297899	-95061.1413	1057773.3170250766	39.7938930067528	-101.1374268	316956.3185745778	405457.167	3097.5193936340193	2909.218453412597	2916.961079564232	2915.505944	0	0	
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422	297902	-93081.1413	1057773.3170250766	39.7940745804766	-101.1303871	317559.28023240855	405444.93483012	3081.4123435634147	2903.274767	2908.770926517625	2908.016477171351	0	0	
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424	297904	-91761.1413	1057773.3170250766	39.7942144294465	-101.125694	317961.25378267616	405436.792	3064.123002244865	2899.6011559442732	2905.452164521704	2903.67475157565	0	0	
425	297905	-91101.1413	1057773.3170250766	39.7942772	-101.1233474	318162.2401919465	405432.718690745	3054.386924982325	2897.3847932632575	2903.293984913898	2901.582772196047	0	0	
426	297906	-90441.1413	1057773.3170250766	39.794335874058	-101.121007	318383.2266242434	405428.465745973	3044.698161317195	2896.19790650398	2901.31244336403	2900.685365223704	0	0	
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429	297909	-88461.1413	1057773.3170250766	39.7945239241424	-101.1139612	318966.184613937	405416.429	3010.351731874728	2891.651594483368	2891.307792025557	2887.9028947256843	0.780720308124234	3.71266975768322	
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432	297912	-86481.1413	1057773.3170250766	39.7947042	-101.1069215	319569.1490132473	405404.2138289	2972.759016191707	2876.712294266428	2873.684051	2869.67733342674	13.89461100880525	13.89461100880525	
433	297913	-85821.1413	1057773.3170250766	39.794769354111	-101.104674	319770.1260125418	405400.16275698	2966.158286120316	2874.70688120316	2871.759286869587	2869.67733342674	13.89461100880525	13.89461100880525	
434	297914	-85161.1413	1057773.3170250766	39.7948224084322	-101.1022284	319971.101835169	405396.07185972	2954.153625261814	2868.114227030942	2866.97477823162	2865.931839711828	0.90992089	0.90992089	
435	297915	-84501.1413	1057773.3170250766											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogsKrg.ft	BREIEvBothKrg.ft	SatThElev.ft	SatThLogs.ft
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512	404	297992	-33681.14133	105777.1310250766	39.7796058540736	-100.9191953	335647.412001906	4050579.28519147	3036.153374	2860.626272077941	2840.244072	2841.118968536355	20.38500393321006	19.50736522405387
513	403	297993	-32961.14133	105777.1310250766	39.779623636627	-100.9166499	335848.3372768025	4050575.33469454	3039.7345321087914	2859.817298570876	2838.512468309216	2839.115983696909	21.302268534809178	20.688735168045935
514	404	297994	-32651.14133	105777.1310250766	39.77961211962474	-100.9145023	336049.3552964459	4050571.1861914	3025.31589755133	2858.861127302577	2837.1628828662833	2837.6312043548331	21.705239916742357	21.30739324694605
515	403	297995	-31701.14133	105777.1310250766	39.77960732227993	-100.9121557	336250.3267300547	4050567.130429058	3021.618497402237	2857.768020468806	2836.155210771513	2836.656859654471	21.60500597208252	21.1111248233363
516	404	297996	-31041.14133	105777.1310250766	39.7796177273064	-100.9098092	336451.297952627	4050563.13649649	3019.642953701126	2856.490160610237	2835.212164093819	2835.74782321473	21.2865106729631	20.72423733852966
517	403	297997	-30381.14133	105777.1310250766	39.77981159	-100.9074626	336652.2690447236	4050559.02847337	3017.667410897687	2855.051165844558	2834.2243548326373	2834.8404805893405	20.82681101192111	20.210684985217965
518	403	297998	-29721.14133	105777.1310250766	39.77981365112183	-100.905116	336853.2398784961	4050554.973890955	3015.691867825835	2853.021627071155	2833.200824133747	2833.73238765971	20.2210023368427	19.721497144114962
519	403	297999	-29061.14133	105777.1310250766	39.77981577006229	-100.9027864	337054.2107544862	4050550.92452253	3014.94039716815	2851.618208191112	2832.1315890920316	2832.6024558133024	19.48469917	19.01575387289892
520	403	298000	-28401.14133	105777.1310250766	39.7798174366602	-100.9004228	337255.181728986	4050546.672501126	3012.4146273359836	2849.546407030704	2830.872232374435	2831.705090899903	18.77147464259812	17.5383101380046
521	400	298001	-27741.14133	105777.1310250766	39.77981957193295	-100.8980762	337456.151863341	4050542.827	3010.888314693636	2847.529326174665	2829.658403357734	2830.45129962124	17.8702022	17.07802831254117
522	400	298002	-27081.14133	105777.1310250766	39.7798215486314	-100.8957296	337657.121378206	4050538.77765194	3009.36020624164	2845.2842396045635	2828.39487238679	2829.134965413666	18.45947106319687	16.145947106319687
523	403	298003	-26421.14133	105777.1310250766	39.7798232945656	-100.8933831	337858.0922847419	4050534.728208547	3008.075248547253	2842.6306795193647	2826.971019055848	2827.377410955848	15.959960463518958	15.55294246294261
524	404	298004	-25761.14133	105777.1310250766	39.779825084713195	-100.8910365	338059.0622749112	4050530.679059898	3007.028594151222	2840.485138340188	2825.5396424431688	2826.0261725969742	14.94687139084992	14.48478786427678
525	403	298005	-25011.14133	105777.1310250766	39.7798261633306	-100.888869	338260.031055347	4050526.63	3005.981759755183	2837.968725	2824.2508994959636	2824.326913918772	13.71766507986399	13.53772897209237
526	403	298006	-24441.14133	105777.1310250766	39.7798283321615	-100.886343	338461.001785207	4050522.58122365	3004.934925359416	2835.3917820242677	2822.9414532	2822.74726496354	12.447250057337897	12.643655527919331
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529	400	298009	-22461.14133	105777.1310250766	39.779833365944725	-100.8793035	339063.009881705	4050510.43660135	2997.7737345164105	2827.041828280167	2817.7903215540946	2817.7903215540946	9.620506726072563	9.073522055132344
530	403	298010	-21801.14133	105777.1310250766	39.77983488618067	-100.876957	339264.878356968	4050506.38682126	2995.11862505898	2824.6933257059694	2815.8147972456704	2815.8147972456704	8.545545899071	8.298029814816786
531	403	298011	-21141.14133	105777.1310250766	39.779836361079816	-100.8746104	339465.8478334014	4050504.31243344	2996.1867547520776	2821.957318795876	2813.7697537324593	2813.7697537324593	7.4185098171599	6.817561465318595
532	403	298012	-20481.14133	105777.1310250766	39.77983790642176	-100.8722838	339665.81677765374	4050496.25045277	2995.907874066572	2820.197248551089	2811.434406570546	2811.434406570546	6.774861803517477	6.774861803517477
533	403	298013	-19821.14133	105777.1310250766	39.77983944748677	-100.8698659	339867.6294477617	4050494.247	2994.847427229643	2819.5424083985473	2809.618977945499	2809.618977945499	5.616977460747797	5.616977460747797
534	404	298014	-19161.14133	105777.1310250766	39.77984051735454	-100.8675706	340068.753600562	4050496.20210513	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	4.580373520540317	4.580373520540317
535	403	298015	-18501.14133	105777.1310250766	39.77984180730838	-100.8652224	340269.7218801685	4050496.154	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	3.515458392463463	3.515458392463463
536	403	298016	-17841.14133	105777.1310250766	39.7798430552336	-100.8628774	340470.690054087	4050492.170373769	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	2.515458392463463	2.515458392463463
537	403	298017	-17181.14133	105777.1310250766	39.77984425840186	-100.8605308	340671.675975786	4050493.78	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	1.515458392463463	1.515458392463463
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539	403	298019	-15861.14133	105777.1310250766	39.77984658148956	-100.8561843	341073.5934575314	4050496.98832285	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
540	403	298020	-15101.14133	105777.1310250766	39.77984786771593	-100.8541161	341269.3621387785	4050494.61	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
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543	403	298023	-13221.14133	105777.1310250766	39.7798505329863	-100.8464513	341877.4625796716	4050493.78858057	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
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545	403	298025	-11901.14133	105777.1310250766	39.77985224933039	-100.8417581	342279.3963	4050495.70131527	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
546	403	298026	-11241.14133	105777.1310250766	39.77985304415032	-100.8394116	342480.3621387785	4050494.61	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
547	403	298027	-10581.14133	105777.1310250766	39.77985379	-100.837065	342689.3237858845	4050497.613728643	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
548	403	298028	-9921.141327	105777.1310250766	39.77985449783364	-100.8347184	342882.2956498137	4050493.57029792	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
549	403	298029	-9261.141327	105777.1310250766	39.7798551566707	-100.8323718	343083.2617681137	4050495.571027324	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
550	403	298030	-8601.141327	105777.1310250766	39.7798557016964	-100.8300252	343284.22775173904	4050492.84	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
551	403	298031	-7941.141327	105777.1310250766	39.7798563332339	-100.8276786	343485.1396108175	4050494.21447501	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
552	403	298032	-7281.141327	105777.1310250766	39.77985681158294	-100.825332	343686.195296485	4050497.139897819	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
553	403	298033	-6621.141327	105777.1310250766	39.77985749076787	-100.8230659	343887.1246937843	4050496.98832285	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
554	404	298034	-5961.141327	105777.1310250766	39.7798577790917	-100.8206389	344088.0902134761	4050493.51	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
555	403	298035	-5301.141327	105777.1310250766	39.77985816	-100.8182923	344289.052665202	4050495.270312064	2993.61595590029	2813.6797318718297	2807.171349667894	2807.171349667894	0	0
556	403	298036	-4641.141327	105777.1310250766	39.77985849093564	-100.8159457	344490.0254967204	4050491.31204031	2993.61595590029	2813.6797318718297	2807.17134966			

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogsKrg.ft	BR/ElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft		
637	403	298117	48818.8586730335	7057717.310250766	79.739735593309155	-0.0258273	306767.71274827316	4045474.666647884	2674.9368149798033	2582.3019214510023	2575.0058713873764	2574.4204852862505	72965000636258985	2674.76164481783
638	403	298118	48748.8586730335	7057717.310250766	79.73973221917265	-0.0283257	306988.66620062023	40450.744481616	2679.6042387157847	2574.6231756425995	2574.1978442001355	5802123073189705	6231945156450429	758103945156450429
639	403	298119	48738.8586730335	7057717.310250766	79.7397307670676	-0.0281781	311169.8165896965	404566.6232404945	2680.38042	2573.83968432475	2574.42038912156	5.163326830118939	5.6470223577330535	5.6470223577330535
640	403	298120	40798.8586730335	7057717.310250766	79.739732530889846	-0.0168325	301370.5727663574	404562.601871486	2677.1742016317976	2576.7953878921	2571.606819474203	5.16812404538236	5.16812404538236	5.16812404538236
641	403	298121	51458.8586730335	7057717.310250766	79.79721818743546	-0.0614859	361571.5258041914	404558.580749897	2673.997383230053	2574.9628108315135	2570.4322489425695	2570.15336395577	5.166108918884394	4.839273876756805
642	403	298122	52118.8586730335	7057717.310250766	79.79721861260705	-0.06141394	361727.8167816127	404558.585589609	2673.6716503231	2573.267053240577	2570.144468353135	3.11621879022546	3.11610509995614	3.11610509995614
643	403	298123	52778.8586730335	7057717.310250766	79.7971465844128	-0.06117928	361973.4135908189	404550.539	2671.78403282525	2570.1830834262376	2570.3306334684826	1.2582773657550119	1.080485782659632	1.080485782659632
644	403	298124	53438.8586730335	7057717.310250766	79.7971101	-0.0609462	362174.38260197	404561.815866495	2676.8589801123	2569.9756274837223	2570.133473912676	2570.398502898874	0	0
645	403	298125	54098.8586730335	7057717.310250766	79.7970731692976	-0.0607696	362375.3368134198	404542.498700041	2681.927367819938	2568.458043742991	2568.5119277669348	2568.2562567883303	2568.2562567883303	2568.2562567883303
646	403	298126	54578.8586730335	7057717.310250766	79.7970337796369	-0.0604753	362576.780272257	404538.4787765	2687.088897513884	2567.05579041172	2569.992551445399	2567.00560724244	0.060657596	0
647	403	298127	54518.8586730335	7057717.310250766	79.7969937398045	-0.0602405	362777.2415095646	404534.584110979	2688.5259195325	2565.814693072193	2564.5450584320584	2564.7607189107701	1.026914620107879	1.053304081422568
648	403	298128	56078.8586730335	7057717.310250766	79.79695842359504	-0.0600059	362978.193660823	404530.43967417	2684.77086391407	2564.77086391407	2562.545857159932	2562.752776279374	3.770500633170296	1.959586063329483
649	403	298129	56738.8586730335	7057717.310250766	79.7969208495127	-0.05977133	363179.1456811444	404526.240477334	2683.966267620395	2560.788556991379	2561.116843588986	2.2221000606407	2.849421403094815	2.849421403094815
650	403	298130	57988.8586730335	7057717.310250766	79.7968816928204	-0.0595367	363381.085076039	404522.412020638	2687.8436274428454	2563.416208077917	2558.7103461438373	2558.412456644014	4.705921943543085	4.727011433883368
651	403	298131	58098.8586730335	7057717.310250766	79.796823077033	-0.05930202	363581.0482956654	404518.36208268	2686.4339644944898	2563.701469887632	2555.280348918954	2555.280348918954	7.27943996736438	7.27943996736438
652	403	298132	58178.8586730335	7057717.310250766	79.7968019221236	-0.0590678	363782.000581401	404514.364324492	2639.831747740683	2563.00347438052	2550.488742225107	2550.870640496993	12.52005200944629	12.13670988352645
653	403	298133	59378.8586730335	7057717.310250766	79.7967613673472	-0.0588327	363982.954565624	404510.34608505	2632.242020948925	2563.088635910222	2544.150825648394	2544.4343267860926	19.83701610287963	18.64470912412635
654	403	298134	60038.8586730335	7057717.310250766	79.79672035216244	-0.05859804	364183.903250402	404506.328	2606.646494912153	2563.318382047625	2538.10489142771	2538.289561556493	21.231209409161	20.02890401263155
655	403	298135	60698.8586730335	7057717.310250766	79.796678385858	-0.05836339	364384.855037733	404502.312026117	2597.983119696548	2563.6791308388307	2533.366242290584	2533.447419797906	30.312844809772287	30.23171924010082
656	403	298136	61358.8586730335	7057717.310250766	79.7966336614544	-0.05812873	364585.8061279846	404498.29205611	2564.157771400744	2530.797808687626	2530.596267489426	33.3597951401182	33.35265031134881	33.35265031134881
657	403	298137	62018.8586730335	7057717.310250766	79.7965945863385	-0.05789407	364786.7571528676	404494.275624471	2598.56845343317	2564.71688931004	2530.668257520783	2530.668257520783	34.07639956099474	34.07639956099474
658	403	298138	62678.8586730335	7057717.310250766	79.7965517576808	-0.05765941	364987.7080032628	404490.25824833	2595.65120307101	2565.417904287343	2533.7675121347927	2533.7675121347927	39.7008513704578	39.7008513704578
659	403	298139	63438.8586730335	7057717.310250766	79.7965082627749	-0.05742741	365188.586275473	404484.258275473	2592.84240285649	2564.94540285649	2530.74781722223	2530.74781722223	42.90730958141723	42.90730958141723
660	403	298140	63998.8586730335	7057717.310250766	79.796464702338	-0.0571901	365399.6093186137	404482.251174925	2606.19625119425	2566.99520154752	2545.821408033408	2545.821408033408	47.17093321344385	47.17093321344385
661	403	298141	64698.8586730335	7057717.310250766	79.7964405514703	-0.05695544	365590.5987832522	404478.208793562	2614.136685728983	2564.2242248934	2545.7888950979232	2545.7888950979232	51.8891311057309	51.8891311057309
662	403	298142	65318.8586730335	7057717.310250766	79.796375903427	-0.05672078	365791.5101	404474.17209791	2621.59137852068	2568.812477636676	2544.78992552206	2545.17921788826	24.02255213416145	23.6332597953149
663	403	298143	65978.8586730335	7057717.310250766	79.7963308138505	-0.05648613	365992.4603278494	404470.17686492	2626.774116750648	2569.81580836387	2545.101815866246	2545.101815866246	24.61080498039328	24.61080498039328
664	403	298144	66638.8586730335	7057717.310250766	79.7962852649948	-0.05625147	366194.0140822025	404466.11259588	2629.689400424024	2567.803937813035	2547.83213381873	22.8877566627209	22.8877566627209	22.8877566627209
665	403	298145	67298.8586730335	7057717.310250766	79.796236027749	-0.0560181	366394.360269548	404462.145893489	2636.59595846498	2567.819245251854	2545.284518188227	2545.284518188227	24.90730958141723	24.90730958141723
666	403	298146	67958.8586730335	7057717.310250766	79.796192807191	-0.05578216	366595.1018671377	404458.1301867137	2640.558406770523	2569.831957272654	2549.551533574519	2549.551533574519	27.9697837786622	27.9697837786622
667	403	298147	68618.8586730335	7057717.310250766	79.7961458982439	-0.0555475	366796.258684096	404451.15879133	2644.912606276634	2573.928637875372	2567.935217269376	2567.935217269376	5.939420548434187	5.939420548434187
668	403	298148	69278.8586730335	7057717.310250766	79.7961098539326	-0.05531284	366997.2904549657	404440.11203219	2646.11011023234	2575.0293006252	2576.1615274975948	2576.1615274975948	18.219821819821	0
669	403	298149	69938.8586730335	7057717.310250766	79.796057022582	-0.05507818	367198.1589904485	404440.08622455	2676.715595483799	2576.0825164136027	2583.770308241275	2583.770308241275	25.84330121624905	25.84330121624905
670	403	298150	70598.8586730335	7057717.310250766	79.7960024512199	-0.05484352	367399.182164473	404440.072652072	2692.617089864384	2577.163562097457	2590.588091794257	2590.588091794257	30.630600666874	30.630600666874
671	403	298151	71258.8586730335	7057717.310250766	79.79595372881838	-0.05460887	367600.0574074097	404438.05877295	2696.69368792614	2578.242478248488	2595.541536333353	2595.541536333353	34.07639956099474	34.07639956099474
672	403	298152	71918.8586730335	7057717.310250766	79.795905453035	-0.05437421	367801.095	404434.04531903	2698.94540285649	2591.24524517854	2590.74781722223	2590.74781722223	37.9008513704578	37.9008513704578
673	403	298153	72578.8586730335	7057717.310250766	79.7958549233007	-0.05413855	368001.9555107004	404430.031578295	2698.791751448488	2590.380291875598	2590.37833511433	2590.37833511433	40.0362711713	40.0362711713
674	403	298154	73238.8586730335	7057717.310250766	79.79580484140936	-0.0539049	368202.9043236015	404426.018	2666.488272240023	2581.43264701595	2581.348700217569	2581.348700217569	41.66557721604	41.66557721604
675	403	298155	73898.8586730335	7057717.310250766	79.795754305552	-0.05367024	368403.8530108725	404422.005392866	2665.804018063266	2582.469487	2618.0271485961207	2618.0271485961207	42.90730958141723	42.90730958141723
676	403	298156	74558.8586730335	7057717.310250766	79.7957031633785	-0.05343558	368604.8015727267	404417.93	2664.2666494104	2583.487466524164	2626.589872	2626.589872	43.308631130683	43.308631130683
677	403	298157	75218.8586730335	7057717.310250766	79.79565187375795	-0.05320093	368805.750093776	404413.98016435	2682.72132184582	2624.81052338513	2624.875962851654	2624.875962851654	44.3602769357076	44.3602769357076
678	403	298158	75878.8586730335	7057717.310250766	79.7955997781216	-0.0529627	369006.698	404406.967903075	2691.179977875059	2585.453428005957	2615.003967431564	2615.003967431564	46.16336210273681	46.16336210273681
679	403	298159	76538.8586730335	7057717.310250766	79.795548250896	-0.0527281	369207.98981994	404402.9811784248	2696.79029715	2586.929711784248	2600.74781722223	2600.74781722223	48.90730958141723	48.90730958141723
680	403	298160	77198.8586730335	7057717.310250766	79.795496785216	-0.0524966	369408.59457017336	404401.94116007	2710.281176750395	2587.3037120554	2600.39282979506	2600.39282979506	51.8891311057309	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BR/ElevLogs.kg.ft	BR/ElevBoth.kg.ft	SatThkLog.	SatThkBoth.ft
23	404	298243	-356421.1413	105837.73170250766	38.7569169197684	-102.0666818	327353.34778105485	4047209.994	3547.8037399113964	3487.6033276165887	3485.480336676045	42.03702159959304	42.15669959911676
24	404	298244	-356576.1413	105837.73170250766	38.756968438173275	-102.064285	327554.42157632598	4047296.823717504	3517.586437601783	3525.3053123	3485.71816640297	42.0166062062635	41.81543535637044
25	404	298245	-356571.1413	105837.73170250766	38.75711961856347	-102.061963	327755.4682448075	4047322.853544149	3548.2861354122806	3524.23389158613	3483.43645430463	42.03728141579964	42.03745375568724
26	404	298246	-356441.1413	105837.73170250766	38.757135220208426	-102.056931	327595.5685721382	4047762.482161524	3540.50383162843	3482.820393233317	3481.75317632963	37.9126459	40.7790528526405
27	404	298247	-356378.1413	105837.73170250766	38.757159564323007	-102.0572469	328157.6416502474	4047724.314	3541.86185972746	3520.83597111537	3481.2081908974437	36.82540621570997	40.4566519436968
28	404	298248	-356312.1413	105837.73170250766	38.7571832094235	-102.0549006	328358.7146911924	4047720.142530427	3547.860212804546	3519.135648	3479.61034079621	34.79102534709415	35.15252415266906
29	404	298249	-356261.1413	105837.73170250766	38.757205803231223	-102.0525544	328559.7870290317	4047725.9811434	3547.859254008192	3478.058780700302	3478.058780700302	36.82540621570997	40.4566519436968
30	404	298250	-356180.1413	105837.73170250766	38.75723220437469	-102.0500282	328760.85930319363	40477261.0387158	3547.856920571935	3517.74320391768	3477.1148013703337	34.78349347728657	36.82840172143431
31	404	298251	-356141.1413	105837.73170250766	38.75725639211464	-102.047862	328961.83147276377	4047729.36418695	3548.224524144538	3515.4498234776145	3475.42741609777	34.7550484964683	36.82816868944
32	404	298252	-356081.1413	105837.73170250766	38.7572804751702	-102.0455157	329163.0325740488	4047733.455802347	3548.224524144538	3512.352737787045	3474.4144825001058	34.74740477893485	36.2089327038341
33	404	298253	-356021.1413	105837.73170250766	38.7573045295383	-102.0431695	329364.0747831042	4047742.99232861	3548.224524144538	3510.659450349326	3473.623638392315	34.73627447187907	34.73627447187907
34	404	298254	-349611.1413	105837.73170250766	38.75732854	-102.040823	329565.1460514118	4047745.1289072	3548.224524144538	3508.96515990175	3472.3780097548333	34.75710215794407	36.50274415576817
35	404	298255	-348501.1413	105837.73170250766	38.75735249577048	-102.038477	329766.2170619285	4047752.860827407	3548.224524144538	3507.2704611581739	3472.22264252334	34.72264252334	35.0478164508497
36	404	298256	-347841.1413	105837.73170250766	38.75736410870216	-102.0361308	329967.28781492676	4047759.7929167	3548.224524144538	3505.5758811207076	3470.75360389794	34.74157158177103	34.8228272227667
37	404	298257	-347181.1413	105837.73170250766	38.75740026044206	-102.0337485	330168.35831062106	4047732.654005979	3548.224524144538	3503.58589557485	3470.0091671350048	34.7048824917007305	34.03004982501502
38	404	298258	-346521.1413	105837.73170250766	38.75742150022384	-102.0314383	330369.42854021918	4047728.458041135	3548.224524144538	3502.18890769503	3470.1226281393	34.7032925	32.06627941137272
39	404	298259	-345861.1413	105837.73170250766	38.75744784214685	-102.0290921	330570.85948115644	4047724.29095323	3548.224524144538	3500.49356389255	3469.243161546595	34.704008377251266	31.25076792303075
40	404	298260	-345201.1413	105837.73170250766	38.7574761801105	-102.0267458	3307741.568525948	4047720.124965138	3548.224524144538	3498.757488040083	3468.5924231873414	34.693895411296467	31.25076792303075
41	404	298261	-344541.1413	105837.73170250766	38.75749530481474	-102.024396	330972.9574824961	4047715.9574824961	3548.224524144538	3487.0995471276256	3467.9887753383593	34.6880246702265	29.82732049155018
42	404	298262	-343881.1413	105837.73170250766	38.75751894962595	-102.022053	331173.7063677384	4047211.79114626	3548.224524144538	3495.399964802545	3466.36812055794	34.6713468022626	29.82732049155018
43	404	298263	-343221.1413	105837.73170250766	38.757542547444246	-102.0197071	331374.7789298672	4047203.495	3548.224524144538	3493.696480407368	3466.00702237045	34.67992469893017	26.7022540362624
44	404	298264	-342561.1413	105837.73170250766	38.75756959936526	-102.017308	331575.845343444	4047207.629	3548.224524144538	3491.996260375287	3465.7092405028	34.66599571204582	25.30397171980417
45	404	298265	-341901.1413	105837.73170250766	38.75759501970286	-102.0149837	331789.3349619175	4047213.93478356	3548.224524144538	3489.34368196302	3464.5381274183356	34.617704625317	25.4546165154078
46	404	298266	-341241.1413	105837.73170250766	38.75761307	-102.012663	331978.9812271553	4047195.12089818	3548.224524144538	3487.7799126456	3465.6657096231	34.60538055797	22.1166129781928
47	404	298267	-340581.1413	105837.73170250766	38.7576364545266	-102.0103221	332179.04916134354	4047190.4689724	3548.224524144538	3486.5505412505	3465.688015120195	34.60640647457955	21.2163539470923
48	404	298268	-339921.1413	105837.73170250766	38.757658654674375	-102.0079758	332380.1168403421	4047186.79803405	3548.224524144538	3485.205875603074	3465.443084177618	34.6461791021504773	19.02677345
49	404	298269	-339261.1413	105837.73170250766	38.7576818254835	-102.0056295	332581.18264517	4047183.6387547	3548.224524144538	3483.8207404731	3464.1605034179806	34.6430995339654	18.67294120166406
50	404	298270	-338601.1413	105837.73170250766	38.75770646309915	-102.003283	332782.2514340756	4047178.4689724	3548.224524144538	3482.4825974553	3460.445221675604	34.64473479379376	17.3638505491671
51	404	298271	-337941.1413	105837.73170250766	38.7577296824787	-102.000867	332983.818492581	4047173.93478356	3548.224524144538	3480.112007748356	3463.75582928974	34.6381781985147	16.36956154078
52	404	298272	-337281.1413	105837.73170250766	38.75775298812727	-101.998538	333184.3580117339	4047170.74089724	3548.224524144538	3479.61034079621	3462.88223277167	34.617704625317	15.33290121393073
53	404	298273	-336621.1413	105837.73170250766	38.7577763026805	-101.996245	333385.4517411228	4047167.97209595	3548.224524144538	3478.058780700302	3461.75360389794	34.617704625317	14.3896640746679
54	404	298274	-335961.1413	105837.73170250766	38.75779913193864	-101.993882	333586.5175702816	4047161.81774445	3548.224524144538	3476.12614498733	3460.752154357797	35.912495	36.2870581402205
55	404	298275	-335301.1413	105837.73170250766	38.75782218581605	-101.991552	333787.583496628	4047157.651	3548.224524144538	3475.12614498733	3460.752154357797	34.617704625317	35.912495
56	404	298276	-334641.1413	105837.73170250766	38.75784519439162	-101.989207	333988.6491160628	4047153.48764933	3548.224524144538	3474.12614498733	3460.752154357797	34.617704625317	35.912495
57	404	298277	-333981.1413	105837.73170250766	38.75786816	-101.986854	334189.7145091002	4047149.3244407	3548.224524144538	3473.12614498733	3460.752154357797	34.617704625317	35.912495
58	404	298278	-333321.1413	105837.73170250766	38.75789107556264	-101.984511	334390.7786491719	4047145.16249859	3548.224524144538	3472.12614498733	3460.752154357797	34.617704625317	35.912495
59	404	298279	-332661.1413	105837.73170250766	38.757917395	-101.982169	334591.84564873	4047141.00278331	3548.224524144538	3471.12614498733	3460.752154357797	34.617704625317	35.912495
60	404	298280	-332001.1413	105837.73170250766	38.7579397542655	-101.9798206	334792.9017125414	4047136.8321188	3548.224524144538	3470.12614498733	3460.752154357797	34.617704625317	35.912495
61	404	298281	-331341.1413	105837.73170250766	38.75796557368246	-101.977473	334993.9735536746	4047132.67950512	3548.224524144538	3469.243161546595	3468.5924231873414	34.693895411296467	31.25076792303075
62	404	298282	-330681.1413	105837.73170250766	38.7579882398301	-101.975128	335195.0376832623	4047128.51151321	3548.224524144538	3468.5924231873414	3468.5924231873414	34.693895411296467	31.25076792303075
63	404	298283	-330021.1413	105837.73170250766	38.7580165827085	-101.9727818	335396.1016523608	4047124.33880584	3548.224524144538	3467.12614498733	3460.752154357797	34.617704625317	35.912495
64	404	298284	-329361.1413	105837.73170250766	38.758047312116	-101.9704335	335597.1651895362	4047120.12982299	3548.224524144538	3466.1547053505	3458.4716332122	34.6284404733799	30.43312596322963
65	404	298285	-328701.1413	105837.73170250766	38.75807804714118	-101.968143	335798.232640564	4047116.02381486	3548.224524144538	3465.1547053505	3457.4716332122	34.6284404733799	30.43312596322963
66	404	298286	-328041.1413	105837.73170250766	38.7581072787171	-101.9657429	335999.298678989	4047112.16710409	3548.224524144538	3464.1605034179806	3456.27239307872	34.6284404733799	30.43312596322963
67	404	298287	-327381.1413	105837.73170250766	38.75813662805	-101.963396	336200.356061046	4047107.7139403	3548.224524144538	3463.1605034179806	3455.186603637386	34.6284404733799	30.43312596322963
68	404	298288	-326721.1413	105837.73170250766	38.758167180416	-101.961053	336401.418242678	4047103.5138356	3548.224524144538	3462.1605034179806	3454.186603637386	34.6284404733799	30.43312596322963
69	404	298289	-326061.1413	105837.73170250766	38.758197611812935	-101.9587704	336602.476553333	4047099.39167148	3548.224524144538	3461.1605034179806	3453.186603637386	34.6284404733799	30.43312596322963
70	404	298290	-325401.1413	105837.73170250766	38.75822815127264	-101.956378	336803.5416719864	4047095.3209573	3548.224524144538	3460.1605034179806	3452.186603637386	34.6284404733799	30.43312596322963
71	404	298291											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLogKrg.ft	SatHtBothKrg.ft
149	404	298369	-272361.1413	1058377.3170250766	-77.776868327903	-17.709966	266866.675158928	406767.401587449	3331.555727050543	3316.099316766307	3290.921204126732	3290.1754197039485	25.781126397567374	25.9238970587083
150	404	298370	-272601.1413	1058377.3170250766	-77.7780561096278	-17.7686502	262887.176267598	406767.401587449	3325.156420194729	3316.620693	3288.379648172638	3287.573338	28.24104435251794	29.047356214749324
151	404	298371	-272841.1413	1058377.3170250766	-77.7826431311662	-17.766308	263688.760765586	406767.401587449	3325.427161820912	3317.0522368895912	3286.06029761548	3285.305188956911	30.892100368981103	31.74717038988113
152	404	298372	-2731281.1413	1058377.3170250766	-77.78379707303872	-17.763574	263329.803096946	406754.592	3332.369973672306	3317.397117036165	3283.85837436327	3283.1584004728914	33.23870433043396	34.23870433043396
153	404	298373	-270621.1413	1058377.3170250766	-77.7786158203086	-17.761611	263480.84510807	406767.40307938	3338.3121291348938	3317.659028694557	3281.744591378936	3281.126889001515	35.91434315620044	36.35231369305504
154	404	298374	-269691.1413	1058377.3170250766	-77.7788148392406	-17.759246	263691.88603950424	406767.404061796	3346.2542849748145	3317.842160934835	3279.6400904249485	3279.4934570450191	38.79281255292902	38.79281255292902
155	404	298375	-269301.1413	1058377.3170250766	-77.778869642327	-17.7569182	263892.928	406762.56528311	3356.100541263686	3317.951827018175	3277.321314	3276.861091197327	40.63051319944498	41.090757902124382
156	404	298376	-268641.1413	1058377.3170250766	-77.7791715	-17.7545718	264043.969874585	406767.404275814	3367.709691921007	3317.9639914211007	3274.8047331778414	3274.403798844795	43.18401824	43.58989247622556
157	404	298377	-267981.1413	1058377.3170250766	-77.7793551492687	-17.7522254	264296.0109663027	406767.404275814	3384.228419587	3317.9728612686494	3272.060702	3271.65691486898	45.369159836804147	45.369159836804147
158	404	298378	-267321.1413	1058377.3170250766	-77.7785396053172	-17.749879	264496.0198350077	406730.15	3391.3804501613261	3317.893543272855	3269.901872019076	3269.58527980044	47.99148231820594	48.29807445782147
159	404	298379	-266661.1413	1058377.3170250766	-77.777320023968	-17.7475328	264697.0925383089	406762.01230514	3405.0040197976785	3317.960812430695	3270.4619283425558	3270.364827345558	49.799331868313766	49.799331868313766
160	404	298380	-266001.1413	1058377.3170250766	-77.7790905462591	-17.7451862	264898.13306281785	406771.875073085	3413.580200591374	3317.980200591374	3270.930016935793	3271.2267255029315	46.35347508837454	46.35347508837454
161	404	298381	-265341.1413	1058377.3170250766	-77.7800848362181	-17.7428398	265099.173254161	406712.73762589	3422.121009449351	3317.357176631168	3271.185834747092	3271.36833296362	46.171339184075805	46.6963408359088
162	404	298382	-264681.1413	1058377.3170250766	-77.7802704738754	-17.7404933	265300.2132151439	406713.60095908	3430.661415184913	3317.095555384035	3271.1839901734204	3271.794556872354	45.91166521	45.91166521
163	404	298383	-264021.1413	1058377.3170250766	-77.7804520577197	-17.7381489	265501.252443091	406709.468371328	3438.616385381247	3316.800218695083	3270.9648054000218	3271.677709637102	45.83541145648451	46.12210459404416
164	404	298384	-263361.1413	1058377.3170250766	-77.7806331882546	-17.7358095	265702.2924421706	406705.3272912735	3445.9859200412343	3316.481286206493	3270.512182368231	3271.237095457684	45.9546625451813	45.9546625451813
165	404	298385	-262701.1413	1058377.3170250766	-77.7808138654794	-17.7334541	265903.33170967473	406701.190064291	3453.354547903026	3316.142545687397	3269.980123118817	3270.73185698372	46.1624225615294	46.308399859792
166	404	298386	-262041.1413	1058377.3170250766	-77.78094080939376	-17.7311077	266104.370746282	406697.054626265	3460.724983530205	3315.784621	3269.2947537421032	3269.9268704627264	46.489665480668	46.85775013435334
167	404	298387	-261381.1413	1058377.3170250766	-77.78117385999764	-17.7287613	266305.40965244684	406689.91033303	3465.61140887405	3315.4077628875584	3268.624477051746	3269.27176825717	46.7453151823832	46.1358659628677
168	404	298388	-260721.1413	1058377.3170250766	-77.7813577129204	-17.7264149	266506.48412841166	406684.78340821	3468.01473424263	3315.012740545374	3267.801992838926	3268.37409433757	47.10217706381426	46.638661116716
169	404	298389	-260061.1413	1058377.3170250766	-77.7815320412717	-17.7240684	266707.48647433374	406684.68041434	3470.81761744714	3314.5987008591538	3266.798923504295	3267.888274852464	47.80888748072428	47.80888735978938
170	404	298390	-259401.1413	1058377.3170250766	-77.7817104519412	-17.721722	266908.524590438	406715.51238474	3478.821321984673	3314.163443	3265.681976225103	3266.2054939917365	48.46871963349459	47.96761732472329
171	404	298391	-258741.1413	1058377.3170250766	-77.781890339104	-17.7198872	267108.5624785434	406715.51238474	3488.19869494597	3309.524108	3264.187186354542	3264.8485615872624	49.7106175452226	49.7106175452226
172	404	298392	-258081.1413	1058377.3170250766	-77.7820559133438	-17.7170292	267310.601340252	406672.24342353	3474.555573876733	3313.198045265563	3263.024250205985	3263.305292229910	50.1737605059038	49.89275304666207
173	404	298393	-257421.1413	1058377.3170250766	-77.78224264762	-17.7148288	267511.6375619183	406658.10936852	3470.91064034032	3312.6245101778436	3262.07740447193	3262.07740447193	50.741497258078	50.55376368605039
174	404	298394	-256761.1413	1058377.3170250766	-77.78241956149536	-17.7123363	267712.67476002304	406663.97489324	3476.265706819316	3311.950377605252	3261.246897070627	3261.4339951526677	50.7034799818932	50.5163245238428
175	404	298395	-256101.1413	1058377.3170250766	-77.7825957056012	-17.7098989	267913.7171039392	406694.59493317	3489.994584929026	3311.866179345616	3261.5651774534963	3261.90754361186	49.2790375733602	49.2790375733602
176	404	298396	-255441.1413	1058377.3170250766	-77.78271739639314	-17.7078435	268114.7484274894	406665.7073314195	3459.09721887443	3310.369771224848	3262.465097281474	3262.9780716357377	47.90467149670121	47.91369958911688
177	404	298397	-254781.1413	1058377.3170250766	-77.7828946339704	-17.7058971	268377.78496537879	406665.7073314195	3468.19869494597	3309.524108	3264.187186354542	3264.8485615872624	49.7106175452226	49.7106175452226
178	404	298398	-254121.1413	1058377.3170250766	-77.78312141803434	-17.7035068	268516.812706539	406647.400776033	3470.3254570027387	3308.601671129129	3263.527417767797	3263.527417767797	49.33275374503296	49.33275374503296
179	404	298399	-253461.1413	1058377.3170250766	-77.78329574888296	-17.7006402	268717.8527370023	406643.80370788	3473.1408595970797	3307.7989097949203	3263.56964416474	3264.507713728948	49.20412637844609	49.27831346597213
180	404	298400	-252801.1413	1058377.3170250766	-77.7834696246161	-17.6982578	268918.9381569961	406639.17549101	3435.741498	3306.901958340657	3263.56964416474	3264.507713728948	49.33275374503296	49.33275374503296
181	404	298401	-252141.1413	1058377.3170250766	-77.78363405306339	-17.6959113	269119.92875874584	406635.402710997	3438.2889296720004	3306.0107615006	3262.928910272814	3263.728420879009	49.08027958772436	49.28174973599698
182	404	298402	-251481.1413	1058377.3170250766	-77.7838160215361	-17.6935649	269320.6136131597	406630.9105164734	3440.862926	3305.1116917963045	3261.762896714146	3262.597285274286	49.33275374503296	49.33275374503296
183	404	298403	-250821.1413	1058377.3170250766	-77.783985391581454	-17.6918718	269521.999204806	406627.78955515	3443.825997410311	3304.206867052333	3259.731375685287	3261.005851078776	49.445939136	49.445939136
184	404	298404	-250161.1413	1058377.3170250766	-77.7841560339104	-17.689487	269718.034200795	406622.645846118	3447.1780671745548	3303.26425589768	3259.704717574287	3261.005851078776	49.5917071486629	49.5917071486629
185	404	298405	-249501.1413	1058377.3170250766	-77.7843321423166	-17.6875526	269922.06898443524	406618.515394725	3450.531073397874	3302.384071022905	3259.37416017354	3259.37416017354	49.65295829837493	49.65295829837493
186	404	298406	-248841.1413	1058377.3170250766	-77.7845037319791	-17.6847192	270125.1036150515	406614.3473179377	3453.8822073030415	3301.459435239726	3252.84314981169	3252.84314981169	49.7546417680757	49.7546417680757
187	404	298407	-248181.1413	1058377.3170250766	-77.7846746072968	-17.6818327	270326.137602380	406602.2531972155	3457.122197	3300.535940150742	3250.2423801405967	3251.10618278917	50.29356010145484	49.924921871830174
188	404	298408	-247521.1413	1058377.3170250766	-77.7848443272967	-17.6794863	270527.1716711028	406606.12463804	3460.25010738754	3299.612235080596	3247.712459603831	3248.3179528670818	51.89986547260878	51.294372213097176
189	404	298409	-246861.1413	1058377.3170250766	-77.78501412497874	-17.6771398	270728.20549053297	406613.99194729	3463.378017448375	3298.68776136395	3245.4132667729897	3245.4132667729897	52.70527406740678	52.70527406740678
190	404	298410	-246201.1413	1058377.3170250766	-77.7851846934206	-17.674734	270929.239	406605.907162027	3466.50597503123	3297.765489812818	3245.9635573013	3245.9635573013	51.95862609050056	51.95862609050056
191	404	298411	-245541.1413	1058377.3170250766	-77.7853549079818	-17.672391	271130.30674203	406603.907162027	3469.63163742947	3296.83163742947	3245.9635573013	3245.9635573013	52.01184715136198	52.01184715136198
192	404	298412	-244881.1413	1058377.3170250766	-77.78552079811185	-17.6701005	271331.3054911354	406589.601760215	3471.1811559303	3295.8006262435	3242.087103410684	3242.15466170338	52.03790721925015	53.76542138889408
193	404	298413	-244221.1413											

ix	iy	Xc	Xr	Yr	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	WLn	BRIEveLogKrg	BRIEveBothKrg	SatHtBothKrg	SatHtBothr
25	204	288495	-190101.1413	105837.7310250766	39.79208228799	-101.4753421	18806.28904906847	40406247.680027464	3422.297739972924	31.9120729725679	3114.5402112258007	31125.100841440576	78.88056803099425	78.90939782
276	204	288496	-189441.1413	105837.7310250766	39.79605118611299	-101.4728965	28821.30768103298	4040623.571	3421.5469826198106	3189.3667185054296	3113.1727276025833	78.23907764841293	78.20576424069705	
277	204	288497	-188791.1413	105837.7310250766	39.79617100962761	-101.4706491	28848.6186984997	4040623.941006438	3422.5142874468927	3177.372818937884	3119.178402486396	78.1989174084728417	78.15892339300371	
278	204	288498	-188121.1413	105837.7310250766	39.79630154417473	-101.4689205	28829.38332067421	4040623.35275472	3420.044153187632	3185.4670847013147	3110.5316700919347	78.1068917001802	78.06491724211282	
279	204	288499	-187461.1413	105837.7310250766	39.7964386	-101.465956	28820.34511608325	4040623.241	3420.1370218709208	3183.6309592056337	3109.3050005229516	78.103732117408956	78.13259687162127	
280	204	288500	-186801.1413	105837.7310250766	39.7965680400424	-101.4630905	28801.3616083515	4040623.173591063	3421.073574445029	3181.896640463093	3108.07244584707	78.105095083	78.1058152132952	
281	204	288501	-186141.1413	105837.7310250766	39.796696171153	-101.461263	28822.3734986767	4040623.27672879	3422.0101310191385	3180.245206898506	3106.80939707485	78.1034316821239	78.10349082374705	
282	204	288502	-185481.1413	105837.7310250766	39.7968261128814	-101.4589164	28843.3891823428	4040621.819796958	3422.946655820448	3178.61629447664	3105.50572096012	78.1033031723999687	78.11601747965138	
283	204	288503	-184821.1413	105837.7310250766	39.7969769973021	-101.4569689	28864.402095635	4040621.431163826	3423.5158974468927	3177.131744269063	3104.0415383979964	78.10356617468997	78.14573568890693	
284	204	288504	-184161.1413	105837.7310250766	39.79707772537745	-101.4542234	28865.4153045554	4040621.70473479	3424.892695745522	3174.7642887	3102.678153016044	78.103710353225	78.12787383931471	
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288	204	288508	-181521.1413	105837.7310250766	39.79759801	-101.4448372	290629.4670554417	404061.74.27763716	3414.380796790313	3169.96192625131	3096.8292066577887	78.103307175577488	78.1732559359226	
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299	204	288519	-174261.1413	105837.7310250766	39.798009243	-101.4190253	292840.580418701	404061.49.12037474	3382.97888399188	3156.650738012455	3079.88972375715	78.107381867432103	78.161070535305	
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306	204	288526	-169641.1413	105837.7310250766	39.79817511151608	-101.4025995	294247.6256107767	404061.20.403991791	3374.656605547918	3147.6476548519565	3064.167173723658	78.1039911201	78.143139232	
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316	204	288536	-163041.1413	105837.7310250766	39.7982939549237	-101.3791339	296267.73	404060.79.39642122	3354.026475031598	3135.3057800811727	3063.776591053633	78.102700140979	78.1723101695074	
317	204	288537	-162381.1413	105837.7310250766	39.798300336513	-101.376819	296486.708039513	404060.75.030613613	3353.63294829266	3134.103053385474	3061.5301483093717	78.10160024915771	78.1920276729272	
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320	204	288540	-160401.1413	105837.7310250766	39.798333811694966	-101.3697477	297061.7581479875	404060.63.00342526	3348.761364594058	3128.968472336684	3056.4823194099577	78.105264527337106	78.1762286450396345	
321	204	288541	-159741.1413	105837.7310250766	39.798340840704101	-101.3674011	297262.76383198775	404060.59.032276	3350.					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRELEVLogKrg.ft	BRELEVBothKrg.ft	SatThcLog.s	SatThcBoth.ft	
401	404	298621	-106941.1413	105837.7310250766	39.7810697375906636	-101.796743	113342.60156248925	405731.814	3127.245339425833	2949.40182488745	2969.274189089237	2968.701147389054	0	
402	404	298622	-106281.1413	105837.7310250766	39.78106489	-101.773726	113343.59194274264	405727.735033913	3123.93717846594	2947.0375946533015	2975.087173434585	2974.129985304076	0	
403	404	298623	-105621.1413	105837.7310250766	39.78107175739496	-101.748631	113374.5404141655	405733.666771189	3124.5404614135768	2948.230374491085	2980.230374491085	2980.230374491085	0	
404	404	298624	-104961.1413	105837.7310250766	39.781090941	-101.727634	113345.5721583462	405719.5162448	3133.38064237157	2942.2502091948237	2987.7225386487	2986.4013948237624	0	
405	404	298625	-104301.1413	105837.7310250766	39.78110659780681	-101.720278	114146.56199410185	405715.00809423	3140.782205682154	2939.867204	2992.722862715044	2992.420737884385	0	
406	404	298626	-103641.1413	105837.7310250766	39.78111339390606	-101.679412	114347.55164877034	405713.4222	3148.187370789903	2937.435565166898	2993.39788406885	2996.371452464774	0	
407	404	298627	-102981.1413	105837.7310250766	39.78112083673544	-101.655946	114548.5411225565	405707.344668741	3149.5046891153524	2935.132532459915	2988.15382636415	2986.62059529097	0	
408	404	298628	-102321.1413	105837.7310250766	39.7811278819437	-101.63248	114749.5304156664	405703.267321072	3144.744961559801	2932.7854343220492	2989.176987709566	2978.123126	0	
409	404	298629	-101661.1413	105837.7310250766	39.78113464911633	-101.606814	114950.5192683081	405699.190215169	3148.9780781679007	2930.453563	2972.914366229178	2970.5552577376702	0	
410	404	298630	-101001.1413	105837.7310250766	39.7811415510113	-101.585548	115151.5084068654	405696.113351028	3135.2255054459973	2928.13247041563	2965.368010991437	2962.8202321528215	0	
411	404	298631	-100341.1413	105837.7310250766	39.781148774549234	-101.562081	115352.49271230076	405691.306728636	3127.9408087028883	2925.8411103670896	2957.736347301075	2955.2097074185035	0	
412	404	298632	-99681.1413	105837.7310250766	39.78115564	-101.538615	115553.48578547954	405686.9603479905	3118.31140773062	2923.564025436634	2950.957410451042	2948.392856452868	0	
413	404	298633	-99021.1413	105837.7310250766	39.78116245434285	-101.515149	115754.4741783084	405682.884209077	3108.32147283256	2921.30898614481	2945.087718511464	2942.1572468496026	0	
414	404	298634	-98361.1413	105837.7310250766	39.78116924487126	-101.491683	115955.462391678	405678.808311895	3098.5118049134494	2919.07780107519	2939.0697792374453	2936.4389926073	0	
415	404	298635	-97701.1413	105837.7310250766	39.7811759977917	-101.468827	116156.45024585826	405674.7326645827	3095.150842411293	2916.87337	2933.66893208378	2931.238943613292	0	
416	404	298636	-97041.1413	105837.7310250766	39.78118266773736	-101.444761	116357.4384	405670.657204046	3098.235853367864	2914.8702672052298	2928.7019042006915	2926.308635682927	0	
417	404	298637	-96381.1413	105837.7310250766	39.7811881116313	-101.421285	116558.46205721677	405666.582	3101.3263282622797	2912.551975458684	2924.3168959508476	2922.5240569709687	0	
418	404	298638	-95721.1413	105837.7310250766	39.78119509251835	-101.397818	116759.413545291	405662.507138231	3104.410711877735	2910.400958	2920.218009777775	2918.506304369069	0	
419	404	298639	-95061.1413	105837.7310250766	39.78120246203456	-101.374352	116960.400647422007	405658.43249555	3097.0252892363	2908.367373067903	2916.4704691212646	2914.8285661516227	0	
420	404	298640	-94401.1413	105837.7310250766	39.7812086941735	-101.350886	117161.38801513936	405654.358002555	3093.213410469858	2906.36750951926	2913.04966730078	2911.471566980406	0	
421	404	298641	-93741.1413	105837.7310250766	39.7812154149534	-101.32742	117362.34787482556	405650.39727224	3091.3968740160835	2904.351915326179	2909.929695544677	2908.6193341149187	0	
422	404	298642	-93001.1413	105837.7310250766	39.78122185	-101.303954	117563.361774456	405646.20933534	3085.574026176957	2902.418606176957	2906.994079363704	2905.802123657167	0	
423	404	298643	-92421.1413	105837.7310250766	39.78122857874	-101.280423	117743.584278111455	405642.13611185862	3078.4538745833692	2900.3358741638967	2904.6841638967	2903.77589157602	0	
424	404	298644	-91761.1413	105837.7310250766	39.78123454570465	-101.257021	117965.33480185026	405638.062631162	3069.392740775675	2900.720035551433	2903.242642205747	2902.594957528314	0	
425	404	298645	-91101.1413	105837.7310250766	39.78124082643351	-101.233555	118166.3210550749	405633.989392424	3060.547576956585	2898.962319651628	2900.775594849353	2900.173192527754	0	
426	404	298646	-90441.1413	105837.7310250766	39.78124706182513	-101.210089	118367.3071312844	405629.916	3051.702807201576	2895.266640155779	2907.159989974823	2894.272146150743	0	
427	404	298647	-89781.1413	105837.7310250766	39.78125325187957	-101.188623	118568.2930370677	405625.84369816	3041.2145317715156	2893.6436302961294	2894.465787006283	2891.760126260406	0	
428	404	298648	-89121.1413	105837.7310250766	39.7812594	-101.163157	118769.2787356997	405621.71125933	3028.08295959825	2892.05427324727	2892.844901786125	2889.1037510982284	0	
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430	404	298650	-87801.1413	105837.7310250766	39.781271550019596	-101.116224	119171.24967074697	405617.1367	3008.079811337449	2889.102862323006	2887.2450237114406	2887.2450237114406	0	
431	404	298651	-87141.1413	105837.7310250766	39.781277558725165	-101.092758	119372.3246652738	405609.555033857	2887.740014037215	2878.54119841584176	2874.36583232381	2874.36583232381	0	
432	404	298652	-86481.1413	105837.7310250766	39.7812832209347	-101.069292	119573.219884076	405605.48346238	2882.830176525295	2868.343268606405	2874.89351162467	2871.353111808088	2871.353111808088	0
433	404	298653	-85821.1413	105837.7310250766	39.781289440124525	-101.045826	119774.2047	405601.41283071	2872.21427409527	2885.027960670158	2870.2918712828457	2867.0180416864227	0	
434	404	298654	-85161.1413	105837.7310250766	39.7812931281828	-101.022359	119975.1893953383	405597.241115069	2861.598371457594	2883.745412950176	2865.723344642903	2862.7569103477717	0	
435	404	298655	-84501.1413	105837.7310250766	39.781300114074776	-100.998893	120176.1738882107	405593.20759123	2859.183824558886	2882.5640585128821	2861.26077600596058	2861.26077600596058	0	
436	404	298656	-83841.1413	105837.7310250766	39.781306921936	-100.975427	120373.1582061947	405589.190711817	2844.000249290156	2881.274338	2867.00235701907	2854.76469271894	0	
437	404	298657	-83181.1413	105837.7310250766	39.78131265887587	-100.951961	120578.1423446567	405585.192372049	2835.8077495496426	2880.0757988935486	2851.292024223778	2846.3340407799656	0	
438	404	298658	-82521.1413	105837.7310250766	39.7813183022043	-100.929484	120779.1263182644	405581.059273805	2827.614249	2878.889906047573	2849.927405329746	2848.482595660656	0	
439	404	298659	-81861.1413	105837.7310250766	39.7813239622765	-100.905028	120980.1101127818	405576.98417707	2817.716548057828	2847.7577830915807	2846.806786432905	2846.806786432905	0	
440	404	298660	-81201.1413	105837.7310250766	39.781329689576	-100.881562	121181.093722993	405572.719801861	2809.964272212707	2846.036168	2845.409251770577	2845.409251770577	0	
441	404	298661	-80541.1413	105837.7310250766	39.7813351	-100.858906	121382.0771789095	405568.850428144	2806.0039365428145	2875.41423955639	2844.668468990422	2844.304225376837	0	
442	404	298662	-79881.1413	105837.7310250766	39.7813406522529	-100.834249	121583.064527305	405564.781295933	2804.2394	2874.27916426504	2843.68296010275	2843.39649049809	0	
443	404	298663	-79241.1413	105837.7310250766	39.781346921936	-100.810766	121784.0435199198	405560.71681199198	2802.771236414	2872.80200714453	2841.7212604161	2840.18252278806	0	
444	404	298664	-78561.1413	105837.7310250766	39.7813515460231	-100.787697	121985.0265	405556.643759291	2802.055444077446	2872.05389333433	2841.371372843362	2841.219063500719	0	
445	404	298665	-77901.1413	105837.7310250766	39.78135692018657	-100.764231	122186.0092315718	405552.57348128	2800.391326924826	2870.363933859324	2841.385921839582	2841.347707588016	0	
446	404	298666	-77241.1413	105837.7310250766	39.78136224883221	-100.740764	122386.998119436	405548.507817891	2799.48560961383	2869.8948672505124	2840.21708537985	2840.17145960805	0	
447	404	298667	-76581.1413	105837.7310250766	39.78136735714042	-100.717298	122587.9742196615	405544.43926084	2798.1983549778861	2868.80586174655	2838.59222578541	2838.514731092516	0	
448	404	298668	-75921.1413	105837.7310250766	39.78137277011121	-100.693832	122788.9565	405540.37137461	2811.976784008663	2867.8375690300438	2837.5640928151865	2837.5640928151865	0	
449	404	298669	-75261.1413	105837.7310250766	39.7813781294729074	-100.670706	122989.3386180354	405536.304151452	2807.755213384466	2866.87138919358	2836.72371930773	2836.471408511543	0	
450	404	298670	-74601.1413	105837.7310250766	39.78138311004047	-100.646899	123190.924091104	405532.23630680	2807.632477222697	2865.9071271691	2837.17087502399	2836.856448	0	
451	404	298671	-73941.1413	105837.7310250766	39.78138821195884	-100.623433	123391.90212837415	405528.17	2806.64746970416	2865.11303160833	2836.705224583647	2836.547063874857	0	
452	404	298672	-73281.1413	10583										

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevBothKgr.f	SatThkKgr.f	SatThkBoth.f
527	404	298747	-23781.14133	1058377.3170250766	39.7816433	-100.8839988	338666.029930425	4405219.768811004	2998.4938406404835	2831.295367033877	2823.808122088773	2823.434723040551	74874139864147045	74857261768836452
528	404	298748	-23721.14133	1058377.3170250766	39.78164447	-100.8818522	338666.950103338	4405215.738415386	2997.7900844717666	2828.7019814263035	2822.120863955629	2821.80004593744358	6505094770474358	6501400838571589
529	404	298749	-23661.14133	1058377.3170250766	39.7816459681	-100.8793058	338667.3646571235	4405211.690265116	2997.083816893626	2828.073816893626	2820.99222409496	2819.819251403912	5689171023730937	6247986486450891
530	404	298750	-23601.14133	1058377.3170250766	39.7816479996118	-100.8769689	338668.93285069835	4405207.862	2996.3825712176603	2823.4167830892566	2818.2267487365074	2815.335755583896	5187923151182531	5731313427667008
531	404	298751	-23541.14133	1058377.3170250766	39.7816494745868	-100.8746122	338669.901499605	4405203.59462799	2997.527396944222	2820.371659745445	2815.891343962844	2815.366952	448458220217003145	5370214325
532	404	298752	-23481.14133	1058377.3170250766	39.78165090419799	-100.8722566	338670.869897418	4405195.542703215	3000.520807239554	2818.039847305249	2813.193991917403	2813.187591975324	4845535329925256	4845535329925256
533	404	298753	-19821.14133	1058377.3170250766	39.7816528845944	-100.869919	338671.83283143736	4405195.5000438	3003.514280618854	2815.3288616801854	2810.7842385206464	2810.6593214982117	446695401099736955	446695401099736955
534	404	298754	-1961.14133	1058377.3170250766	39.78165363	-100.8675723	340072.80650025076	4405191.453097119	3000.507614329618	2812.6077282942224	2808.335722147579	2808.1944410923575	4720061466434345	4413287201864932
535	404	298755	-1891.14133	1058377.3170250766	39.7816540968263	-100.8652257	340073.7745249916	4405187.4063869496	3001.0549302330307	2809.879184454965	2805.92224094965	2805.829865243005	3887485405000209	4050023103645799
536	404	298756	-17841.14133	1058377.3170250766	39.781656169215898	-100.862679	340074.7423466246	4405183.359571075	2977.156162562326	2807.145290461176	2803.826754196584	2803.641602279909	3325230419112221	3505681815616616
537	404	298757	-17181.14133	1058377.3170250766	39.781657372125395	-100.8605324	340675.701106725	4405179.33871527	3023.257328224211	2804.419046411264	2801.8954372803178	2801.690381669228	25230631358076616	272802746699328
538	404	298758	-16521.14133	1058377.3170250766	39.7816582969692	-100.8581857	340876.6776282727	4405175.267690918	3029.356802480141	2801.689717780442	2800.234865022641	2800.019471137871	1549067578009272	16730064066060922
539	404	298759	-15861.14133	1058377.3170250766	39.78165964193044	-100.8558391	341077.6450813326	4405171.221951171	3031.0513713179164	2798.960485529095	2798.8661574143865	2798.7500016143837	0.094791409	0.0301969380708215
540	404	298760	-15201.14133	1058377.3170250766	39.78166071	-100.8534924	341278.6123363945	4405176.17643982	3028.3354703176648	2796.232848623773	2797.756208905962	2797.641900590375	0	0
541	404	298761	-14541.14133	1058377.3170250766	39.78166173036355	-100.8511458	341479.5794832199	4405163.131774337	3025.6196408621338	2793.506768570701	2796.98653040701	2796.96780808885	0	0
542	404	298762	-1381.14133	1058377.3170250766	39.78166270603098	-100.848791	341680.5463870147	4405159.08611527	3022.90380769602	2790.73865813683	2796.567151274997	2796.633637595844	0	0
543	404	298763	-1321.14133	1058377.3170250766	39.78166363748464	-100.8464625	341881.5131829858	4405155.013626427	3017.8607695136325	2788.06518194738	2796.327120697895	2795.452529050029	0	0
544	404	298764	-12561.14133	1058377.3170250766	39.78166453202819	-100.8441059	342082.4796263381	4405150.996821588	3010.4905232832217	2785.351606851477	2793.8872151942787	2793.981271854747	0	0
545	404	298765	-11901.14133	1058377.3170250766	39.7816653632341	-100.8417592	342283.4464171785	4405146.952515527	3003.1202770528157	2782.6441642018276	2791.549287554674	2791.60418250021	0	0
546	404	298766	-11241.14133	1058377.3170250766	39.78166615810166	-100.8394126	342484.4175591496	4405142.908452081	2995.7050382400248	2779.94348192917	2789.18484085927	2789.254003171846	0	0
547	404	298767	-10581.14133	1058377.3170250766	39.7816669763119	-100.8370659	342685.378924514	4405138.86462929	2995.0826840833424	2777.250271190571	2786.386885845127	2786.3434318114013	0	0
548	404	298768	-9921.14133	1058377.3170250766	39.78166761	-100.8347193	342886.34497759474	4405134.5210469615	3001.11623836959	2774.564260400967	2782.62005344497	2782.7449941080807	0	0
549	404	298769	-9261.14133	1058377.3170250766	39.7816682768982	-100.8318927	342953.10298813106	4405130.72611515	3007.18378	2771.858152944947	2780.92235424947	2780.92235424947	0	0
550	404	298770	-8601.14133	1058377.3170250766	39.78166888419157	-100.8300026	343288.2765926296	4405126.734004142	3013.189342034173	2769.213436367407	2771.889913540846	2771.8940227561864	0	0
551	404	298771	-7941.14133	1058377.3170250766	39.78166945326915	-100.8267693	343489.241737269	4405122.691743576	3012.1344521336557	2766.5497740281785	2766.070556183633	2765.9832672817568	0.74791840981517744	0.566506206321792
552	404	298772	-7281.14133	1058377.3170250766	39.78166997520862	-100.8253327	343690.207603569	4405118.649	3009.881919023845	2763.894628488748	2761.0785170216717	2760.933391297033	3.016114272570558	2.96069715914644
553	404	298773	-6621.14133	1058377.3170250766	39.781670457100274	-100.822896	343891.1728862324	4405114.6067440845	2995.8457805930337	2761.2485468787955	2757.8339617360673	2757.783291790133	2.8491749742622132	2.8491749742622132
554	404	298774	-5961.14133	1058377.3170250766	39.78167084873506	-100.8206394	344092.3801114913	4405110.565	2987.6984527777227	2758.6120263079474	2756.21218684159	2756.2750157764376	2.39983623788525	2.337015311098044
555	404	298775	-5301.14133	1058377.3170250766	39.781671271698928	-100.8182927	344293.5226844027	4405106.3333333	2798.0020558842266	2755.98535	2753.404418818998	2753.404418818998	0.6764999652950792	0.50135447380021665
556	404	298776	-4641.14133	1058377.3170250766	39.78167176131857	-100.8159461	344494.0678171339	4405102.481	2980.75922722545	2753.390545661626	2753.390545661626	2753.390545661626	0	0
557	404	298777	-3981.14133	1058377.3170250766	39.78167199033575	-100.8135994	344695.0324954255	4405098.439631421	2960.57143540683	2750.76420394888	2754.0011817303995	2754.3559194062775	0	0
558	404	298778	-3321.14133	1058377.3170250766	39.781672160147124	-100.8112528	344895.9927037807	4405094.398455419	2951.259673899181	2748.168895303023	2753.388996557682	2753.388996557682	0	0
559	404	298779	-2661.14133	1058377.3170250766	39.781672356620494	-100.8089062	345096.96140261396	4405090.3578109	2943.642525924624	2745.5826406167394	2752.7641424762637	2753.114995188506	0	0
560	404	298780	-2001.14133	1058377.3170250766	39.78167252575584	-100.805595	345297.9256312686	4405086.31622716	2937.6556905951707	2743.0058143411084	2752.043643082951	2752.3438118505	0	0
561	404	298781	-1341.14133	1058377.3170250766	39.78167264055316	-100.8042129	345498.8891725844	4405082.76366714	2931.66885573952	2740.4837305212704	2751.329162285524	2751.5195201733145	0	0
562	404	298782	-681.14133	1058377.3170250766	39.78167277698928	-100.802793	345699.7261231175	4405078.23611515	2928.62020981945	2737.80141042623	2750.32382589104	2750.32382589104	0	0
563	404	298783	21.14132693	1058377.3170250766	39.78167272413376	-100.7995196	345900.8176224158	4405074.196177127	2921.700912888266	2735.33197488157127	2749.82103981673	2750.17045044818	0	0
564	404	298784	638.85867303514	1058377.3170250766	39.781672712917036	-100.7971729	346101.780161246	4405070.15643072	2919.7255337818424	2732.792607304411	2749.183924359486	2749.46239618444	0	0
565	404	298785	1298.85867303514	1058377.3170250766	39.78167264636228	-100.7948263	346302.74454714207	4405066.116949047	2917.750567389181	2730.262969330476	2748.57350055682	2748.57350055682	0	0
566	404	298786	1958.85867303514	1058377.3170250766	39.78167253446952	-100.7924796	346500.7078505764	4405062.07696172	2915.774755478145	2727.743396714397	2748.1300275564063	2748.2817854159775	0	0
567	404	298787	2618.85867303514	1058377.3170250766	39.7816723723873	-100.790133	346704.7017051384	4405058.03883932	2912.1924131256455	2725.3421871404255	2747.8566350149035	2747.8566350149035	0	0
568	404	298788	3278.85867303514	1058377.3170250766	39.78167217463938	-100.7877633	346905.6341175312	4405053.9991045	2907.00367398173	2722.7356520591277	2747.787938	2747.9225001630984	0	0
569	404	298789	3938.85867303514	1058377.3170250766	39.7816717653511	-100.7853937	347106.83813789126	4405049.3789126	2904.92489128926	2719.62489128926	2746.71962432026	2746.71962432026	0	0
570	404	298790	4598.8586730351	1058377.3170250766	39.78167173531829	-100.783093	347307.559701362	4405045.93208723	2906.643754392255	2717.7719647053504	2746.8232220979	2746.8232220979	0	0
571	404	298791	5258.8586730351	1058377.3170250766	39.78167129493542	-100.7807464	347508.52236076235	4405041.8850368085	2898.402151462232	2715.308821869901	2748.75159648824	2748.9537616760323	0	0
572	404	298792	5918.8586730351	1058377.3170250766	39.781671091456	-100.7783997	347709.84815441	4405037.84272252	2890.1870422771	2712.859181466213	2748.94380927453	2748.943727728036	0	0
573	404	298793	6578.8586730351	1058377.3170250766	39.7816708715568	-100.7760531	347910.4471216893	4405033.80956472	2870.89143526184					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatHtLogs.ft	SatHtBoth.ft
63	404	298873	59378.8586730335	1058377.3170250766	39.78148924610159	-105.8883217	363986.9750052283	404711.582011655	265.8927258666054	2562.2692971	2542.9984097299653	2543.147223868093	17.20680630343774	19.12204870960975
654	404	298874	60338.8586730335	1058377.3170250766	39.78148514447407	-105.8895975	364187.9261465956	404707.563881292	260.8275090132274	2562.5004653275603	2534.500530886508	2534.359547611769	28.0495154113237	28.19498972
655	404	298875	60459.8586730335	1058377.3170250766	39.78148098732089	-105.8896289	364388.9771494656	404670.54589059	259.874459116213	2562.347345834096	2538.49246511005	2534.5682535217419	34.4502473252695	34.4502473252695
656	404	298876	61008.8586730335	1058377.3170250766	39.7814760520605	-105.8812816	364589.828005452	404699.52839456	2594.165142218291	2563.435776380888	2525.035413180758	2524.51513367085	38.400347193367	38.9204775732211
657	404	298877	62018.8586730335	1058377.3170250766	39.7814726756557	-105.8789352	364790.778	404685.51092796	2594.368555203587	2564.09116871949	2525.178997845785	2524.6603874745206	38.64011897737036	39.358729397428306
658	404	298878	62678.8586730335	1058377.3170250766	39.78146824584747	-105.8756886	364991.7293267216	404691.437576082	2592.356168824274	2564.028668179693	2529.02386788222	2529.02386788222	35.65301166887126	35.65301166887126
659	404	298879	63338.8586730335	1058377.3170250766	39.781463662714	-105.8742419	365192.6845662714	404687.47623796	2594.368555203587	2565.415442679734	2534.1618205580804	2534.878161	31.25572371165506	30.53938306803355
660	404	298880	63998.8586730335	1058377.3170250766	39.78145956218396	-105.8718953	365383.6301337724	404683.40131097	2599.309764811297	2566.214033275403	2537.134948975884	2537.212562444943	29.07908435118088	28.00177702505629
661	404	298881	64598.8586730335	1058377.3170250766	39.78145516367477	-105.8698487	365584.58024580215	404678.444	2598.764517910336	2566.96369575402	2537.03053236124	2537.03053236124	30.86959257106472	30.054965847304
662	404	298882	65318.8586730335	1058377.3170250766	39.78145061962984	-105.8672702	365795.582456063	404675.42746434	2600.51881726396	2567.96373502123	2534.025596481702	2534.190289919534	33.62792802343	33.75029406746545
663	404	298883	65978.8586730335	1058377.3170250766	39.78144619833224	-105.8645554	365996.4830807994	404671.411	2614.334919620403	2568.883385424433	2534.5555557271402	2534.3298928018615	34.34278081550307	34.65141574
664	404	298884	66368.8586730335	1058377.3170250766	39.7814416342911	-105.8625088	366197.43020711886	404667.395706116	2618.930805501253	2569.853008130766	2538.504445208256	2538.031536257982	31.24863612294583	31.82147185509389
665	404	298885	67298.8586730335	1058377.3170250766	39.7814373428786	-105.8601621	366388.379905703	404661.288012128	2619.8442823962287	2569.3545472084295	2544.8480810979429	2545.80810311933757	25.99620138697465	25.99620138697465
666	404	298886	67958.8586730335	1058377.3170250766	39.7814323869033	-105.8578155	366599.3294769607	404659.360591782	2628.10245929113	2571.862417706134	2544.363529403776	2544.363529403776	17.74893123952097	17.74893123952097
667	404	298887	68618.8586730335	1058377.3170250766	39.7814267952625	-105.8554889	366800.2785029607	404658.349995935	2638.18247861181462	2572.8822641216203	2544.684442249887	2544.684442249887	42.923721896831614	43.81388792645229
668	404	298888	69278.8586730335	1058377.3170250766	39.7814226123872	-105.8531222	367001.2282377803	404651.335213625	2633.75725463821	2573.917667131492	2547.915627771134	2547.915627771134	23.0739354608026	23.0739354608026
669	404	298889	69938.8586730335	1058377.3170250766	39.7814171954727	-105.8507576	367202.1747278222	404647.32067818	2669.3317131496964	2574.96831	2583.95835756017	2584.142094824362	0	0
670	404	298890	70598.8586730335	1058377.3170250766	39.78141335218314	-105.8484926	367403.12649122614	404643.306	2684.906206215712	2576.0003415877172	2591.173270548893	2591.3845955096	0	0
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672	404	298892	71918.8586730335	1058377.3170250766	39.7814035454882	-105.8437357	367805.0242384976	404635.357803347	2688.9548909635	2578.074197423373	2599.505417141885	2599.505417141885	25.99620138697465	25.99620138697465
673	404	298893	72578.8586730335	1058377.3170250766	39.7813985940387	-105.8413891	368005.9730235719	404631.26422483	2688.9548909635	2579.099159798457	2603.223599687637	2603.223599687637	26.0368830568112	26.0368830568112
674	404	298894	73238.8586730335	1058377.3170250766	39.7813935102488	-105.8390425	368206.9218245044	404627.251583074	2698.5190563506374	2580.116725904145	2584.21464866254	2584.21464866254	27.0783663061126	27.0783663061126
675	404	298895	73898.8586730335	1058377.3170250766	39.7813881127655	-105.8367181	368408.973844311	404623.3844831	2698.5190563506374	2581.08365232015	2587.130826542938	2587.130826542938	28.2501294842972	28.2501294842972
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677	404	298897	75218.8586730335	1058377.3170250766	39.7813782386308	-105.8320026	368809.7665064312	404615.213001525	2698.765608692403	2582.065898	2618.9596911040515	2620.279627491665	28.7796337965525	28.7796337965525
678	404	298898	75878.8586730335	1058377.3170250766	39.78137310413423	-105.8296559	369010.7145641601	404611.200619669	2698.765608692403	2582.065898	2618.9596911040515	2620.279627491665	28.7796337965525	28.7796337965525
679	404	298899	76538.8586730335	1058377.3170250766	39.78136876906797	-105.8273093	369211.66249710845	404607.188476328	2698.765608692403	2582.065898	2618.9596911040515	2620.279627491665	28.7796337965525	28.7796337965525
680	404	298900	77198.8586730335	1058377.3170250766	39.7813625866427	-105.8249627	369412.6100354085	404603.177	2706.716175635054	2584.21464866254	2596.064348691335	2597.074489414243	0	0
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686	404	298906	81158.8586730335	1058377.3170250766	39.78132995415675	-105.8108829	370618.2945511713	404579.11084146	2693.921008062659	2590.0772591492	2574.373216820454	2574.373216820454	15.55060302301109	15.55060302301109
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691	404	298911	84458.8586730335	1058377.3170250766	39.78130311956535	-105.7991498	371623.0853434304	404559.061441889	2693.921008062659	2590.0772591492	2574.373216820454	2574.373216820454	15.55060302301109	15.55060302301109
692	404	298912	85118.8586730335	1058377.3170250766	39.78129867051534	-105.7968032	371823.9743640483	404555.05241128	2693.921008062659	2590.0772591492	2574.373216820454	2574.373216820454	15.55060302301109	15.55060302301109
693	404	298913	85778.8586730335	1058377.3170250766	39.78129328145074	-105.7944566	372024.9205717343	404551.043189851	2705.0344572965214	2592.32971834691	2549.21687134691	2549.21687134691	15.55060302301109	15.55060302301109
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695	404	298915	87098.8586730335	1058377.3170250766	39.7812824943076	-105.789778	372425.9186416929	404543.0284784	2712.225044996713	2594.30256575862	2546.305205541703	2546.305205541703	15.55060302301109	15.55060302301109
696	404	298916	87758.8586730335	1058377.3170250766	39.78127693238674	-105.7874167	372627.7585	404539.118681365	2712.225044996713					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SurfBoth.ft	SatHBoth.ft
39	405	298999	-345861.1413	1059037.3170250766	37.77260836817806	-102.02091228	240574.6789475045	4407425.644028031	3698.0145193966373	35.00546106814155	3469.4697260354246	3470.2010931397745	30.995880778730578	30.26401367438075
40	405	299000	-345201.1413	1059037.3170250766	37.77260836817806	-102.02067768	24075.74841537965	4407421.471	3690.213582599166	3498.770359405328	3468.85813596014	3469.61613101117	29.1566344518633	29.15406863041622
41	405	299001	-344641.1413	1059037.3170250766	37.77260836817806	-102.02044032	240876.8176231496	4407342.040261538	3692.412648761695	3497.02387521638	3468.3180185719817	3469.056371989167	28.7534677289113	27.948393238472144
42	405	299002	-343881.1413	1059037.3170250766	37.77260836817806	-102.02022638	241177.88657652336	4407113.143441161	3674.611070973819	3497.357095592826	3468.570120769353	3469.263160471	28.8069748247341	27.81186398065397
43	405	299003	-343221.1413	1059037.3170250766	37.7735550430415	-102.01973736	241738.95527380647	4407048.970991131	3667.095707373819	3493.678548742243	3466.35152371394	3467.308408525083	27.3253930283014	26.37050638715934
44	405	299004	-342561.1413	1059037.3170250766	37.7737905740425	-102.0173913	241580.023152326	4407014.810641391	3659.870231073819	3491.974846497275	3466.324267364013	3467.2448647637953	26.655217285173026	24.75416988322941
45	405	299005	-341901.1413	1059037.3170250766	37.7740256517978	-102.015045	241781.09109102696	4407000.645	3652.6428914400384	3490.281371065938	3466.5229086708495	3467.362440607863	27.58464195088436	22.91902680581562
46	405	299006	-341241.1413	1059037.3170250766	37.7742602762792	-102.0126896	241982.15983137873	4407096.49240285	3645.4155517449584	3488.584532438718	3466.989895995165	3467.77692725591	27.95953634731567	20.810383971
47	405	299007	-340581.1413	1059037.3170250766	37.7744944744968	-102.0103523	242183.2567649895	4407134.210268138	3649.836597443336	3486.889253989104	3467.746983930752	3468.50630625794	18.4226363366929	17.3888465776465
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57	405	299017	-333981.1413	1059037.3170250766	37.7768112238377	-101.9868891	244193.8902655182	4407350.67353579	3608.97542498572	3470.016972284014	3439.258658	3439.245177077094	31.768376618145	30.771798151307394
58	405	299018	-333321.1413	1059037.3170250766	37.77704104154996	-101.9845428	244394.951474802	4407364.51052341	3607.664850263833	3468.35190660271	3438.101763374356	3438.101763374356	30.25022722839503	31.358661480734
59	405	299019	-332661.1413	1059037.3170250766	37.77726914643324	-101.9821964	244596.0197522988	4407342.34859712	3604.3151960881623	3466.6910819675227	3436.84100079999	3436.753768318728	31.48888188823697	31.29373136427453
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62	405	299022	-330681.1413	1059037.3170250766	37.77795224011614	-101.9751574	245199.2114240606	4407328.86249383	3588.15174239634	3461.724233	3431.970470111847	3431.9185693219265	29.716256443035	29.90493534236645
63	405	299023	-330021.1413	1059037.3170250766	37.7781796412054	-101.9728111	245400.25757679023	4407325.70105907	3588.183571742837	3460.734269679483	3429.925808908385	3429.7336766584196	30.14833769656342	30.37741088529638
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67	405	299027	-327381.1413	1059037.3170250766	37.77905457309328	-101.9634252	246204.5277389852	4407299.340261538	3582.4985459748872	3453.465385587574	3419.69895934101	3419.69895934101	32.48974352165307	34.1619144206404
68	405	299028	-326721.1413	1059037.3170250766	37.779274761953	-101.9610794	246405.590019253	4407299.340261538	3577.541596569596	3451.804717772116	3417.90406750428	3416.814011006045	32.51210950263526	34.96359957657114
69	405	299029	-326061.1413	1059037.3170250766	37.77953153479564	-101.958733	246606.652042819	4407299.373284748	3575.37428425694	3500.138995102255	3415.495521823174	3414.57582916217	34.65474222908084	35.1051104330372
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72	405	299032	-324081.1413	1059037.3170250766	37.7802014122803	-101.9516194	247209.83073093135	4407288.259	3576.64021212482	3445.005898782017	3410.400458987906	3410.77176939386	36.27882188451804	37.167850738790035
73	405	299033	-323421.1413	1059037.3170250766	37.7804237962042	-101.9493476	247401.89815100306	4407284.098689596	3582.40085987919	3443.302019252075	3406.400387040127	3407.123438468595	36.196054794781	36.178580738790035
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75	405	299035	-322101.1413	1059037.3170250766	37.7808667103036	-101.9446548	247813.0197525713	4407275.78235783	3588.2987754149603	3439.4967756079493	3403.7417281104	3403.7417281104	35.6016179350929	36.60475837817824
76	405	299036	-321441.1413	1059037.3170250766	37.78108336336806	-101.9423086	248014.08008850903	4407271.64005408	3582.612632681597	3437.783919256945	3403.635905419467	3402.612943730225	34.1480741501778	35.17097188
77	405	299037	-320781.1413	1059037.3170250766	37.7813088914496	-101.9399622	248215.1400232842	4407267.46260957835	3577.328489498382	3435.826486213828	3402.043804143602	3401.1125673031404	34.7846740226074	35.9181550682351
78	405	299038	-320121.1413	1059037.3170250766	37.781528286341	-101.9376159	248416.2068067966	4407263.38196705	3571.840347215093	3433.795420313517	3400.398458635777	3399.529155438655	33.9673573	34.26564868
79	405	299039	-319461.1413	1059037.3170250766	37.7817485948351	-101.9352695	248617.2596869197	4407259.10503165	3565.05783059135	3431.6824139077	3398.3678350714338	3397.8287289383426	33.815837287738764	33.75512518784234
80	405	299040	-318801.1413	1059037.3170250766	37.7819767807745	-101.9329231	248818.31905417875	4407254.93	3556.976338208432	3429.480453433687	3396.31369631978	3395.83083862165	33.2666530	33.54231074775381
81	405	299041	-318141.1413	1059037.3170250766	37.7822049730928	-101.9305792	249019.3697269676	4407249.940261538	3554.923697269676	3428.358946527883	3395.388944021771	3395.388944021771	33.1899782	33.54480038449043
82	405	299042	-317481.1413	1059037.3170250766	37.78244037470425	-101.9282304	249220.4376457538	4407246.67940578	3550.4189145450233	3427.891722744297	3394.496216404061	3390.76172376792	33.065206336888	34.021998770507

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBothKgr.f
165	405	299125	-262701.1413	1059037.3170250766	39.7984940922543	-101.73347575	265907.4795	44096092.510407845	3451.6984581542038	314.5299294677754	3269.2230253305966	3269.72337758819	45.729697137178846	45.22963470985638
166	405	299126	-262004.1413	1059037.3170250766	39.79912432009414	-101.731131	266108.518235707	44096867.3776957	3456.7559513376572	3314.603076055324	3268.5241111334197	3268.5241111334197	46.07986471904465	45.41007518340845
167	405	299127	-261818.1413	1059037.3170250766	39.799304309610566	-101.728748	266309.5568772515	4409894.321372561	3460.8376667178025	3314.232668787248	3267.856522242232	3268.52358373836	45.3764363816965	45.70909030141498
168	405	299128	-260721.1413	1059037.3170250766	39.7994834180478	-101.726438	266510.5951915254	4409800.10565523	3463.9435742968812	3313.8412905859134	3267.020791043144	3267.66585859746	46.02800541120011	45.17572770539635
169	405	299129	-260601.1413	1059037.3170250766	39.79966228666666	-101.7240916	266711.6332979614	4409780.97279164	3467.0484918582835	3313.426910695441	3266.034309670985	3266.7469058012616	47.3926010244268	46.08004484717955
170	405	299130	-259401.1413	1059037.3170250766	39.79984047019619	-101.721451	266912.61713278146	4409881.83436665	3470.155404298854	3312.862077792627	3265.0173535305096	3265.7662724875314	47.36681819220233	47.36681819220233
171	405	299131	-258741.1413	1059037.3170250766	39.8000186639334	-101.7193986	267113.7087656504	4409787.699838021	3472.4855889364527	3312.5115248804134	3263.9177754122525	3264.506186941033	48.59374947176093	48.0053374298053
172	405	299132	-258081.1413	1059037.3170250766	39.80019617258056	-101.7170621	267314.716464219	4409873.565	3474.0400033614897	3311.9907363457538	3262.7386826686	3262.7386826686	48.27697238067986	48.0053374298053
173	405	299133	-257421.1413	1059037.3170250766	39.80037322790556	-101.7147696	267515.7833344022	4409869.433725561	3476.5844717802505	3311.40752681451976	3262.2981887415315	3263.4891474273345	49.0836379956613	48.58635758
174	405	299134	-256761.1413	1059037.3170250766	39.8005496299013	-101.7123592	267716.820751961	4409856.29005129	3477.148913222551	3310.75044533905	3261.625689	3262.16041134904	49.0836379956613	48.58635758
175	405	299135	-256101.1413	1059037.3170250766	39.8007295785741	-101.7100127	267917.8568872172	4409861.16188122	3481.05851693344	3310.025084523756	3261.0341353834753	3262.107294	49.0836379956613	48.58635758
176	405	299136	-255441.1413	1059037.3170250766	39.8009016739212	-101.7076662	268118.92947066416	4409857.028002329	3489.4594027632375	3309.2475147172772	3261.76982263767	3262.819040308015	47.4776849090049	46.7284546847574
177	405	299137	-254781.1413	1059037.3170250766	39.8010769159427	-101.7053197	268319.89752476	4409845.89436647	3494.203590905403	3308.436969338117	3262.054573617904	3262.8718249013975	45.562871471885956	45.562871471885956
178	405	299138	-254121.1413	1059037.3170250766	39.8012517046376	-101.7029732	268520.9657267235	4409848.76097473	3494.914572558435	3307.597086937997	3262.1260914705413	3263.003861862024	45.41776232258414	44.5940273177551
179	405	299139	-253461.1413	1059037.3170250766	39.801424040059	-101.7006267	268722.0015164874	4409844.62766699	3498.72210015616424	3306.741733294717	3261.929867379181	3262.851250988698	45.41776232258414	44.5940273177551
180	405	299140	-252801.1413	1059037.3170250766	39.8015999220476	-101.6982802	268923.0371229758	4409840.49022364	3492.322677269373	3305.877463	3261.429167476006	3262.379415246289	44.48025323793445	43.4980475351124
181	405	299141	-252141.1413	1059037.3170250766	39.8017733507167	-101.6959337	269124.07466567	4409836.36216133	3495.01002922262	3305.000927272018	3260.2147589841506	3261.5566325915893	44.78563074305115	43.4434577133612426
182	405	299142	-251481.1413	1059037.3170250766	39.801946351486	-101.6935873	269325.1078529454	4409832.22945075	3497.05378751876	3304.114626621504	3258.927852161526	3260.50494440627	44.78563074305115	43.4434577133612426
183	405	299143	-250821.1413	1059037.3170250766	39.802118842073	-101.6912408	269526.1424716075	4409828.097657207	3499.351182605915	3303.2212992661784	3257.349882570858	3258.938095552807	44.78563074305115	43.4434577133612426
184	405	299144	-250161.1413	1059037.3170250766	39.80229001603776	-101.6888943	269727.1771344707	4409823.965742384	3491.5602318614727	3302.229185164727	3256.4637756364	3257.0224215654216	46.85729000953706	45.28320014503606
185	405	299145	-249501.1413	1059037.3170250766	39.8024652323396	-101.6865478	269928.215708095	4409819.830253737	3493.7818254365347	3301.414203907587	3255.3365378118115	3254.822914031721	47.0856527894728	46.5912890574985
186	405	299146	-248841.1413	1059037.3170250766	39.802635944123	-101.6842413	270129.245791805	4409815.742015585	3495.991320326354	3300.50146549454	3254.0193847919428	3254.0193847919428	47.0856527894728	46.5912890574985
187	405	299147	-248181.1413	1059037.3170250766	39.802807051581	-101.6819323	270329.30312117	4409811.628973981	3498.2248043871984	3299.584023713784	3253.47876	3253.47876	47.0856527894728	46.5912890574985
188	405	299148	-247521.1413	1059037.3170250766	39.802974655706	-101.6795903	270531.313186987	4409807.404435252	3493.462905387133	3298.665391121475	3248.856753297356	3247.275622289674	51.80961582421196	51.39073388328017
189	405	299149	-246861.1413	1059037.3170250766	39.803144606549	-101.6771168	270732.3470451284	4409803.30975268	3497.247608336167	3297.7480830387	3248.487322512246	3244.699537490262	53.048134702094246	53.048134702094246
190	405	299150	-246201.1413	1059037.3170250766	39.803313809408	-101.6748153	270933.380345672	4409799.179285792	3491.93980131462	3296.828052336573	3242.142831791284	3242.1804675959334	54.68564157444535	54.68564157444535
191	405	299151	-245541.1413	1059037.3170250766	39.8034827048324	-101.6724688	271134.413432874	4409794.0902616	3486.28192430284	3295.089713657854	3241.335438339362	3241.335438339362	54.68564157444535	54.68564157444535
192	405	299152	-244881.1413	1059037.3170250766	39.8036511459248	-101.6701223	271335.4462873596	4409790.91983134	3470.727490560508	3294.989174176599	3240.964869973914	3241.203015013903	54.02430417920775	53.78615912669094
193	405	299153	-244221.1413	1059037.3170250766	39.8038201919715	-101.6677736	271536.478918036	4409787.789347138	3473.1728891207	3294.661160031178	3240.681610031178	3240.681610031178	53.40772607122514	53.40772607122514
194	405	299154	-243561.1413	1059037.3170250766	39.8039966711158	-101.6654232	271737.513257807	4409782.65985319	3475.41725574567	3293.418918170709	3240.370455342377	3240.370455342377	52.783162733839	52.783162733839
195	405	299155	-242901.1413	1059037.3170250766	39.8041537532134	-101.6630288	271938.5435024274	4409784.31067985	3478.15940711624	3292.227201020935	3239.779830236555	3240.683823274176	52.4747307973992	51.76336897
196	405	299156	-242241.1413	1059037.3170250766	39.80432438197915	-101.6607363	272139.5745758385	4409780.410016985	3482.799541432026	3291.302041585818	3239.516009437615	3239.696138456724	51.87603563456724	51.87603563456724
197	405	299157	-241581.1413	1059037.3170250766	39.8044865574122	-101.6583897	272340.6071890135	4409776.27248055	3484.8325056459207	3290.327839293721	3239.141608913924	3240.166100680174	51.231249091824515	50.2067238504515
198	405	299158	-240921.1413	1059037.3170250766	39.804652795122	-101.6560432	272541.638961436	4409766.1443233695	3486.049058985203	3289.43872565054	3238.812949406686	3240.166100680174	50.2067238504515	50.2067238504515
199	405	299159	-240261.1413	1059037.3170250766	39.8048175482793	-101.6538967	272742.6689794874	4409762.01649528	3488.669213502773	3288.498634509484	3238.668317244347	3238.668317244347	50.2067238504515	50.2067238504515
200	405	299160	-239601.1413	1059037.3170250766	39.804982367129	-101.6517052	272943.703192117	4409757.888019317	3490.8282674858	3287.554023137824	3238.47876	3238.47876	50.2067238504515	50.2067238504515
201	405	299161	-238941.1413	1059037.3170250766	39.8051467258126	-101.6490037	273144.7318752465	4409753.76	3493.187125574667	3286.59118607595	3238.1679357002122	3238.1679357002122	50.2067238504515	50.2067238504515
202	405	299162	-238281.1413	1059037.3170250766	39.805310346594	-101.6466572	273345.762585567	4409749.63827708	3493.339481860492	3285.62283494903	3237.9227547034166	3237.9227547034166	50.2067238504515	50.2067238504515
203	405	299163	-237621.1413	1059037.3170250766	39.805474090902	-101.6443107	273546.798786843	4409745.50538874	3494.97613608341	3284.630481650805	3237.56065631279	3237.56065631279	50.2067238504515	50.2067238504515
204	405	299164	-236961.1413	1059037.3170250766	39.80563709218626	-101.6419462	273747.823146051	4409741.3323586	3496.69168843349	3283.61842902629	3236.871136604917	3236.871136604917	50.2067238504515	50.2067238504515
205	405	299165	-236301.1413	1059037.3170250766	39.8058039640471	-101.6396176	273948.830516752	4409737.252	3498.407406043286	3282.565300260185	3235.677520756497	3235.677520756497	50.2067238504515	50.2067238504515
206	405	299166	-235641.1413	1059037.3170250766	39.80596717367378	-101.6373721	274148.8828131426	4409733.124561841	3497.127279832215	3281.463697	3234.84604066361	3234.3138516615104	49.1481544812694	48.14981544812694
207	405	299167	-234981.1413	1059037.3170250766	39.8061304571967	-101.6350812	274349.9313235147	4409729.08619317	3495.8282674858	3280.531336789474	3233.781607137568	3233.781607137568	48.14981544812694	48.14981544812694
208	405	299168	-234321.1413	1059037.3170250766	39.806298456721615	-101.6325781	274551.149119013	4409724.8524505	3495.988519251975	3279.0802690414	3232.8388532074138	3232.8388532074138</		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevLogsKrg.ft	BRElevBothKrg.ft	SatHtLogsKrg.ft	SatHtBoth.ft
291	405	299251	-175941.1413	1059037.3170250766	39.781080287526474	-01.43781396	291236.61835146023	4400638.256102514	3408.963082158227	315.5898516254347	3093.210425185882	3090.016714557622	72.37942643955284	75.57313707
292	405	299252	-178881.1413	1059037.3170250766	39.7812050827575	-01.435467	291437.62990234094	4400638.150453212	3410.540076203512	316.2945242812674	3091.753100679301	3087.9343414	72.54242421619639	76.36140170538738
293	405	299253	-178221.1413	1059037.3170250766	39.78132863397869	-01.4331204	291638.64106881677	4400637.954681023	3405.4507424867974	315.63127768971535	3090.369405081926	3087.085717105135	72.55184528	76.39561428
294	405	299254	-177561.1413	1059037.3170250766	39.78145083765584	-01.4307738	291839.6503210914	4400637.90	3403.086702040827	317.765942335063	3088.860251125303	3084.832200356764	72.90934320097594	76.9373141792899
295	405	299255	-176901.1413	1059037.3170250766	39.78165725850798	-01.4284272	292040.6627895375	4400636.834626711	3401.0778219140248	316.3095806068752	3087.311874954423	3083.688052042603	73.22271065245241	76.85103356427226
296	405	299256	-176241.1413	1059037.3170250766	39.78183697911335	-01.4260806	292241.6734338617	4400637.30248081	3399.020319329246	315.923452386048	3085.715209319211	3081.623406683714	73.1230426683673	76.9892403603411
297	405	299257	-175581.1413	1059037.3170250766	39.78188417198265	-01.4237334	292442.68368978127	4400637.125681135	3396.9628363049234	315.83963779885	3084.0632131527614	3080.963980843164	73.04757062712385	77.1754676656884
298	405	299258	-174821.1413	1059037.3170250766	39.78189351	-01.4213784	292643.693423229	4400635.516250134	3394.905344262784	315.671720265465	3082.398450924799	3078.934963417344	73.0752696	77.41379299226032
299	405	299259	-174261.1413	1059037.3170250766	39.7819685411336	-01.4190408	292844.610681677	4400635.071709802	3393.073664655233	315.40194587	3080.142319770564	3078.01470032741	73.085322696884	77.68536200759178
300	405	299260	-173601.1413	1059037.3170250766	39.781971452174106	-01.4166542	293045.7153281055	4400635.21002721	3391.467799522414	315.170706950117	3078.5597235610255	3077.662336805058	73.17272654	77.7232654
301	405	299261	-172941.1413	1059037.3170250766	39.78199354898885	-01.4143476	293246.7230667628	4400634.21035278	3389.861934093016	315.6380280254686	3076.426625903177	3074.684238022524	73.18165435105922	78.9258423243375
302	405	299262	-172281.1413	1059037.3170250766	39.78194121228771	-01.412001	293447.7324028708	4400638.1073186705	3388.256688190754	315.52581817970526	3074.2392050062654	3072.735931527475	78.28897679078727	79.7922506597873
303	405	299263	-171621.1413	1059037.3170250766	39.78193502434023	-01.4096544	293648.7415363635	4400634.00438084	3385.7684173867056	315.4659451745324	3071.788583	3069.960190619287	78.82623240238	80.2824856
304	405	299264	-170961.1413	1059037.3170250766	39.78196479105655	-01.4073078	293849.7504682683	4400637.105016919	3382.398979515437	315.4023251908402	3069.1759122688213	3068.532421	81.24441292201891	81.8879043783014
305	405	299265	-170301.1413	1059037.3170250766	39.78197651243664	-01.4048612	294050.791979701	4400635.799113763	3378.0295421163364	314.98293421177834	3068.704824637729	3067.302154907763	82.688040505446	83.08707821002042
306	405	299266	-169641.1413	1059037.3170250766	39.78198818840497	-01.4026145	294251.7677259201	4400631.608964408	3375.601044811236	314.8309406057817	3064.611421047216	3064.385395308406	83.7519781836013	83.9364555683206
307	405	299267	-168981.1413	1059037.3170250766	39.78199881918803	-01.4002679	294452.7760524142	4400631.594857848	3373.03965509149	314.735426269277	3063.427068844016	3063.319887460416	83.92725743	84.034038808677
308	405	299268	-168321.1413	1059037.3170250766	39.7820114455925	-01.3979213	294653.7641775686	4400631.034094068	3371.148425324065	314.6435220213596	3063.5203961145042	3063.5065409919195	84.05625409919195	82.8291461650737
309	405	299269	-167661.1413	1059037.3170250766	39.78202294454914	-01.3955747	294854.7921016206	4400630.3915730715	3369.2651897899173	314.452945804074	3064.8653444802894	3064.95018809427	84.21135989447	80.34126994525695
310	405	299270	-167001.1413	1059037.3170250766	39.78203439292765	-01.3932281	295055.7962477485	4400635.290294484	3367.37194748811	314.41819685806704	3066.6724143305594	3066.84346448512	77.5095541711101	77.33580413
311	405	299271	-166341.1413	1059037.3170250766	39.78204888865495	-01.3908815	295256.807472398	4400631.1892593745	3365.505109751473	314.4219416274194	3067.901751926847	3065.136871229912	78.04316871229912	74.8072461857962
312	405	299272	-165681.1413	1059037.3170250766	39.7820572958707	-01.3883349	295457.8146952147	4400629708	3363.785679753127	314.41537124033286	3067.962349433413	3068.1831671091635	73.54077943991535	73.535363941602
313	405	299273	-165021.1413	1059037.3170250766	39.782110870584	-01.3858622	295652.827969495	4400629.87916962	3362.045677112327	314.40194587	3067.962349433413	3068.1831671091635	73.54077943991535	73.535363941602
314	405	299274	-164361.1413	1059037.3170250766	39.782079964723124	-01.383417	295859.827125591	4400628.88	3360.250187476023	313.8453712391102	3066.01267414953	3065.106740659494	72.42234242125724	72.32847125263989
315	405	299275	-163701.1413	1059037.3170250766	39.78209123273596	-01.381495	296060.835432824	44006284.7875445955	3358.5880624780324	313.83647487432306	3064.76028388997	3064.786806471783	72.047840548442373	72.047840548442373
316	405	299276	-163041.1413	1059037.3170250766	39.78210245419604	-01.3791484	296261.8419564405	44006280.68772313	3360.0297299896	315.230452013957	3063.45628259188	3064.46297451481	71.77482375476893	71.7841546249977
317	405	299277	-162381.1413	1059037.3170250766	39.78211363276313	-01.3768018	296462.8478297098	4400627.658811408	3360.071893387132	313.632337186653	3062.1153065364797	3062.067390408196	71.571300362137	71.5566862278343
318	405	299278	-161721.1413	1059037.3170250766	39.78212474	-01.3744552	296663.8540251534	44006272.48807742	3360.913808456684	313.4204824496753	3060.657105071045	3060.5981623126077	71.3913199054767	71.4508176
319	405	299279	-161061.1413	1059037.3170250766	39.78213585140536	-01.3721678	296864.860582623	4400626.389714076	3360.048972892288	313.30468995573765	3060.657105071045	3060.5981623126077	71.3913199054767	71.4508176
320	405	299280	-160401.1413	1059037.3170250766	39.78214698277443	-01.3697162	297065.92086317	4400625.90831472	3358.01767757005	313.212559369214	3060.5981623126077	3060.5981623126077	71.3913199054767	71.4508176
321	405	299281	-159741.1413	1059037.3170250766	39.78215788877134	-01.3674153	297266.8715793572	44006260.19254807	3355.90529816226	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
322	405	299282	-159081.1413	1059037.3170250766	39.78216880343239	-01.3650687	297467.8760078575	4400625.99389186	3352.8135170297126	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
323	405	299283	-158421.1413	1059037.3170250766	39.7821794775641	-01.3627221	297668.880381453	44006251.95976628	3349.832128292336	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
324	405	299284	-157761.1413	1059037.3170250766	39.782190604743825	-01.3603755	297869.887	44006247.898	3344.144402451343	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
325	405	299285	-157101.1413	1059037.3170250766	39.78220141939451	-01.3580289	298070.891749084	4400623.800248275	3338.395985682036	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
326	405	299286	-156441.1413	1059037.3170250766	39.78221218070584	-01.3556822	298271.9862417967	4400622.97083742	3332.64677112327	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
327	405	299287	-155781.1413	1059037.3170250766	39.7822231265852	-01.3533256	298472.9006	44006235.9070887	3328.31853712021	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
328	405	299288	-155121.1413	1059037.3170250766	39.7822339132641	-01.350989	298673.9047236192	44006231.50891317	3328.60759478256	312.67421681850135	3054.5626750757206	3054.4941204495657	72.91949310929294	72.9880477335676
329	405	299289	-154461.1413	1059037.3170250766	39.78224422463022	-01.3486424	298874.90686896784	44006227.412142001	3327.8197374578487	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676
330	405	299290	-153801.1413	1059037.3170250766	39.78225481259724	-01.3462957	299075.9124715474	4400623.15699473	3327.038679509083	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676
331	405	299291	-153141.1413	1059037.3170250766	39.7822653523258	-01.3439491	299276.916098435	44006219.219551509	3325.076806582737	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676
332	405	299292	-152481.1413	1059037.3170250766	39.7822768520507	-01.3416025	299477.9194251477	44006215.1236714	3324.334346296403	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676
333	405	299293	-151821.1413	1059037.3170250766	39.78228795267864	-01.3392794	299678.9254823664	44006206.93425253	3322.64721673572	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676
334	405	299294	-151161.1413	1059037.3170250766	39.782300772385116	-01.3369092	299879.9254823664	44006206.93425253	3322.64721673572	311.8109175851893	3053.7976750376	3053.7976750376	72.91949310929294	72.9880477335676

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgr.f	BRIElevKgr.f	SatThLg.f	SatThBoth.f
417	49337	-96381.14133	1059037.3170250766	39.78300241442616	-11.142137	116562.5090597997	4050867.855	108.1486131099564	2911.729674694262	2923.474242645322	2921.489219230766	0	0	
418	49338	-96721.14133	1059037.3170250766	39.78300901265954	-11.139704	116763.49630115874	4050863.79343728	310.51249132502654	2909.619738228664	2919.4334796565905	2917.525420081324	0	0	
419	49339	-96903.14133	1059037.3170250766	39.78301556607865	-11.137447	11689.434848261106	4050869.705	3108.57024112346	2917.54687814792	2917.12686980176	2918.873898327914	0	0	
420	49340	-97001.14133	1059037.3170250766	39.78302207319074	-11.135097	117165.4702489034	4050855.62946541	3102.292222599999	2905.5140314702026	2912.2816461099574	2910.50417731624	0	0	
421	49341	-97341.14133	1059037.3170250766	39.78302853435704	-11.1327053	117366.45696565797	4050851.555656243	3096.012388	2903.5254125167803	2909.108796676472	2907.386626511938	0	0	
422	49342	-97681.14133	1059037.3170250766	39.7830345234236	-11.1304037	117567.4344848628	4050847.481425798	3089.73259512026	2901.5846744861943	2906.041285254264	2904.492608777454	0	0	
423	49343	-98211.14133	1059037.3170250766	39.78304132310695	-11.128057	117768.4298361158	4050843.407528198	3082.6159293585024	2899.695023823043	2904.832175139558	2904.02648750558	0	0	
424	49344	-98761.14133	1059037.3170250766	39.7830476501401	-11.1257103	117968.416018137	4050839.33872437	3074.6625271704497	2897.659662172403	2902.121435784997	2901.356399901038	0	0	
425	49345	-99101.14133	1059037.3170250766	39.78305381552326	-11.1233636	118170.4020075674	4050836.26458501	3068.7362284580713	2896.984653067132	2898.4329438546023	2898.716702425768	0	0	
426	49346	-99441.14133	1059037.3170250766	39.7830616635668	-11.121019	118371.3875270475	4050831.87226388	3058.75722729345	2894.565402542624	2895.233412277007	2892.401056581157	0	23.1654207344629	
427	49347	-99781.14133	1059037.3170250766	39.78306365680024	-11.1188703	118572.37402531	4050827.114356086	3048.533426203303	2892.6906379004918	2892.379189167177	2889.332277780061	0.3114487331459166	33.5683660216311192	
428	49348	-99921.14133	1059037.3170250766	39.783072501677204	-11.1163236	118773.3589369209	4050823.014617568	3036.042235029271	2891.0813465356023	2889.2665930506982	2886.403755071483	1.9745734849040494	4.677594138115996	
429	49349	-98461.14133	1059037.3170250766	39.7830786	-11.1138769	118974.3442	4050818.969280287	3025.551504	2889.5263005793768	2885.2672780394855	2880.6252339891248	7.690233446328829	26.3621643443922	
430	49350	-98701.14133	1059037.3170250766	39.7830846551518	-11.1116302	119175.329341455	4050814.897015069	3011.05985321208	2888.021192962136	2878.785899905709	2879.33905734604	8.262619300573458	13.146721901612182	
431	49351	-98941.14133	1059037.3170250766	39.78309066427654	-11.1092836	119376.3142979415	4050810.592568232	3000.846275710298	2886.5647570529436	2874.8852446667996	2871.2432711532394	11.862512368844026	15.321545899074233	
432	49352	-99181.14133	1059037.3170250766	39.78309662779948	-11.1069309	119577.29042309	4050806.75331464	2992.91031186397	2885.14078967399	2873.00905781435	2869.011771570647	12.1398418594143	16.13798039774492	
433	49353	-98521.14133	1059037.3170250766	39.783102545863965	-11.1045092	119778.283626368	4050802.681851855	2984.034747967005	2883.772572357196	2868.697645	2864.99580579991	15.07402796195618	17.7769664728437	
434	49354	-9851.14133	1059037.3170250766	39.78310841883005	-11.1022435	119979.2680411527	4050806.610514005	2977.0384704907304	2882.4295021560397	2864.3886274992997	2861.019593747404	18.40067465674016	21.49964040808812	
435	49355	-84501.14133	1059037.3170250766	39.7831142633765	-11.0998968	120180.252778626	4050794.59661758	2968.258512	2881.117908	2860.153602610577	2857.1527130342252	20.96430521355296	23.96516780900458	
436	49356	-83841.14133	1059037.3170250766	39.78312260506765	-11.0975501	120381.2363595575	4050784.438681925	2961.634732573705	2879.833984780362	2856.076126897438	2853.4716231360126	23.7578782923872	26.3621643443922	
437	49357	-83181.14133	1059037.3170250766	39.7831257637341	-11.0950235	120582.2202266438	4050786.3985087	2954.010953	2878.5710886481977	2852.2631002266908	2850.071182393791	26.30870858688	26.506805452476627	
438	49358	-82521.14133	1059037.3170250766	39.78313145682597	-11.0928568	120783.2035925346	4050782.760279959	2946.387172705591	2877.271664835176	2848.815359675173	2847.03359767513	28.0530500604523	30.28308734371632	
439	49359	-82091.14133	1059037.3170250766	39.7831370296781	-11.090503	120986.085949693	4050780.585010899	2934.271635494053	2871.750971427733	2846.722532771712	2836.3044145921362	25.446114893612	33.5683660216311192	
440	49360	-81201.14133	1059037.3170250766	39.7831427037935	-11.0881634	121185.170841874	4050774.188233208	2923.255492392025	2874.860457485544	2843.1062837058175	2842.219271808056	31.75417344273683	32.641185340949396	
441	49361	-80541.14133	1059037.3170250766	39.7831482592744	-11.0858167	121386.1540322859	4050771.18771422	2910.377033190241	2873.8479205515745	2840.267192587785	2839.67789979537	33.8372796619599	33.9751305402078	
442	49362	-79881.14133	1059037.3170250766	39.78315376941302	-11.0834701	121587.137409495	4050766.094413294	2897.497323358768	2872.447107	2838.109570204608	2837.5586540772065	34.3376336395132	34.8884529693053	
443	49363	-79221.14133	1059037.3170250766	39.7831592421255	-11.0811234	121788.119892367	4050761.980350484	2891.285749939638	2871.2576294311752	2837.22877931957	2836.916758157257	34.02885011757826	34.34087137217264	
444	49364	-78561.14133	1059037.3170250766	39.7831645637348	-11.0787677	121988.1025624484	4050757.91130509	2892.4446711892119	2870.060865375007	2837.542022196988	2837.3549288258906	32.53866347602736	32.72575891	
445	49365	-77901.14133	1059037.3170250766	39.78317007799678	-11.0764618	122190.085949693	4050753.842969393	2889.1816986704083	2869.242936183317	2837.423681383317	2837.0041450847	31.84892379091116	31.84892379091116	
446	49366	-77241.14133	1059037.3170250766	39.7831753645796	-11.0740833	122391.0783371775	4050749.755539	2887.471759553768	2868.747159553768	2836.290164877954	2835.9906909119253	31.677806735649938	31.677806735649938	
447	49367	-76581.14133	1059037.3170250766	39.783180640024916	-11.0717368	122592.0435532026	4050745.70651746	2886.008000340533	2866.653721234066	2833.661281234324	2833.489486	30.008089074205	33.1672326565660	
448	49368	-75921.14133	1059037.3170250766	39.783185878131526	-11.0693899	122793.0315145062	4050741.63863458	2885.562750916732	2861.3674470420183	2830.95811735102	2830.95811735102	34.19953083740559	34.604363162208	
449	49369	-75261.14133	1059037.3170250766	39.78319107899555	-11.0670433	122994.0133214872	4050737.571050897	2880.995976891045	2864.517035635487	2829.779560499881	2829.35248560832	33.747360366775	35.16447495226614	
450	49370	-74601.14133	1059037.3170250766	39.78319621832893	-11.0646966	123194.94945661	4050733.503799535	2879.489360220286	2863.520697	2828.1668012075856	2828.954907666216	33.4603637742464	33.4603637742464	
451	49371	-73941.14133	1059037.3170250766	39.78320130241969	-11.0623499	123395.964159499	4050729.437	2910.9851502748702	2862.6011733968058	2832.86897169253	2832.608179239757	29.9257964297557	29.9257964297557	
452	49372	-73281.14133	1059037.3170250766	39.78320371717815	-11.060003	123596.961712446	4050725.37	2922.471635494053	2861.750971427733	2831.725332771712	2830.3044145921362	25.446114893612	25.446114893612	
453	49373	-72621.14133	1059037.3170250766	39.78321138852698	-11.0576565	123797.93783881456	4050721.303016754	2936.9812161502604	2860.989772988982	2830.94330772911	2830.16702053816	20.0444212595122	20.86307930456926	
454	49374	-71961.14133	1059037.3170250766	39.78321635460009	-11.0553098	123998.9197804973	4050717.236612202	2946.60274770546	2860.32941720984	2842.545495470467	2842.801055821167	16.08322790516723	17.52836144882120	
455	49375	-71301.14133	1059037.3170250766	39.7832217359623	-11.0529631	124199.9005585653	4050713.70449225	2957.858624568631	2859.77802529483	2849.034099030857	2847.10411836844	17.0410949097249	17.0410949097249	
456	49376	-70641.14133	1059037.3170250766	39.78322615	-11.0506164	124400.8811658073	4050710.10452791	2963.64173520985	2859.344587513656	2867.347252430793	2866.49423411934	0	0	
457	49377	-69981.14133	1059037.3170250766	39.78323098085246	-11.0482698	124601.8616	4050705.039	2969.607125537405	2859.0324043636734	2863.849442911755	2863.794849238171	28.953083740559	28.953083740559	
458	49378	-69321.14133	1059037.3170250766	39.78323576557253	-11.0459231	124802.8419691748	4050705.73409874	2975.552714880948	2859.09997096389	2863.742721186209	2863.742721186209	29.9257964297557	29.9257964297557	
459	49379	-68661.14133	1059037.3170250766	39.78324172411108	-11.043603	125003.9889122574	4050701.984810692	2987.804821008962	2858.76058086924	2863.849442911755	2863.849442911755	31.677806735649938	31.677806735649938	
460	49380	-68001.14133	1059037.3170250766	39.78324519899898	-11.0412297	125204.8019914747	4050692.84325681	2993.733485565634	2858.784324304284	2860.561600626805	2900.32676517883	0	0	
461	49381	-67341.14133	1059037.3170250766	39.78324984770277	-11.038883	125405.7817480793	4050688.7815498	2974.864445466084	2858.89777947368	2869.875953680211	2899.428437472233	0	0	
462	49382	-66681.14133	1059037.3170250766	39.78325451067954	-11.0365363	125606.761331389	4050684.714069813	2973.395452356825	2859.05305746417	2868.2709117801473	2898.1673673724913	0	0	
463	49383	-66021.14133	1059037.3170250766	39.78325900909438	-11.0341896	125807.7407587906	4050680.648939146	2978.6853655482582	2858.33147683941	2866.301916715533	2896.199827719362	0	0	
464														

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThkLogs.f	SatThkBoth.f
543	45	299503	-1221.141327	1095037.3170250766	39.7347675304759	-100.8464537	184885.56394933525	4005356.293117259	3020.070960285218	2787.2680289148525	2794.689317984422	2794.7351216811867	0	0
544	45	299504	-12561.141133	1095037.3170250766	39.73347764	-100.844107	342088.5303736895	4005352.24842041	3015.253512939496	2784.5795547107446	2793.0359505789039	2793.073481053635	0	0
545	45	299505	-1190.141327	1095037.3170250766	39.7334767848184	-100.8447693	342287.496689863	4005346.303962369	3015.483103592713	2781.8694813052113	2791.2072554121385	2791.2072554121385	0	0
546	45	299506	-11261.141133	1095037.3170250766	39.73347723722998	-100.8394136	342688.4627563313	4005344.1597471265	3005.618675245602	2779.2178880422963	2789.3195969159256	2789.426598776823	0	0
547	45	299507	-10561.141133	1095037.3170250766	39.73480002327891	-100.8370669	342689.4268877223	4005340.115772669	3005.6605232736756	2776.5462991799936	2787.1535728864455	2787.3467453124535	0	0
548	45	299508	-9921.1411327	1095037.3170250766	39.7334807248869	-100.8347201	342890.3946474293	4005336.072038992	3010.5615849708533	2773.808097418746	2783.502192779557	2783.71771998899	0	0
549	45	299509	-9261.1411327	1095037.3170250766	39.73348139	-100.8323734	343091.3600955076	4005332.02854607	3015.462667556135	2771.2217683492764	2777.57138628756	2777.57138628756	0	0
550	45	299510	-8601.1411327	1095037.3170250766	39.7334919989069	-100.8300267	343292.25272136	4005327.985293941	3020.363791652097	2768.5693584554803	2770.574107037454	2770.5669027443873	0	0
551	45	299511	-7941.1411327	1095037.3170250766	39.73349268898291	-100.827678	343493.268977546	4005323.242292546	3017.7783972507557	2765.8243592595695	2763.9710095	2763.9710095	0	0
552	45	299512	-7281.1411327	1095037.3170250766	39.7334930093591	-100.8253333	343694.25607723524	4005319.899511892	3007.703398246668	2763.287137513177	2763.85605558023	2764.458374273485	6.437017955154039	6.258263327132366
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555	45	299515	-5301.1411327	1095037.3170250766	39.73349438459865	-100.8182932	344297.1506923837	4005307.842994309	2978.8059576557389	2756.44277733965	2753.009162205993	2753.132662176456	2.471115529718732	2.2934155702191674
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557	45	299517	-3981.1411327	1095037.3170250766	39.733495025113194	-100.8135998	344699.0786806064	4005299.689269475	2963.892116790882	2750.2311094025144	2752.2237006413875	2752.6659786708784	0	0
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562	45	299522	-681.1413269	1095037.3170250766	39.733495825810686	-100.8018663	345703.8996074285	4005279.4850443285	2935.723374522622	2737.393061494003	2749.1456896615594	2749.4464993064628	0	0
563	45	299523	-21.14132693	1095037.3170250766	39.73349589932596	-100.7995196	345904.8631	4005275.444921724	2931.957404303937	2734.8516490405538	2746.683875218877	2746.954714090914	0	0
564	45	299524	3338.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.277841325363	2732.319146144927	2748.22592433228	2748.959478983177	0	0
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572	45	299532	5918.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.277841325363	2732.319146144927	2748.22592433228	2748.959478983177	0	0
573	45	299533	6578.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.277841325363	2732.319146144927	2748.22592433228	2748.959478983177	0	0
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577	45	299537	9218.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.277841325363	2732.319146144927	2748.22592433228	2748.959478983177	0	0
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589	45	299549	17138.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.277841325363	2732.319146144927	2748.22592433228	2748.959478983177	0	0
590	45	299550	17798.858677033514	1095037.3170250766	39.73349582713556	-100.7971795	345910.6254675316	4005271.45003889	2929.27784132536					

ix	ly	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevBoth.f	SatThLog.s	SatThBoth.f
659	405	299629	69938.8586773035	1059037.3170250766	39.783231288745135	-105.5057694	367206.19609198364	404848.554775074	2661.9478672155938	257.83716293432424	2585.2603733779533	2585.671620539396	0	0
670	405	299630	70598.8586773035	1059037.3170250766	39.7832266115098	-105.5484227	367407.14490117104	404844.540349934	2677.1953226955784	257.472895226501	2592.5270066405005	2593.037325035083	0	0
671	405	299631	71288.8586773035	1059037.3170250766	39.7832215812996	-105.549176	367504.16104713082	404835.540349934	2680.2147883681145	257.4718893232003	2596.0328936518135	2596.326950154752	0	0
672	405	299632	71918.8586773035	1059037.3170250766	39.78321667126664	-105.5437293	367809.4210440896	404821.512189696	2671.006239320401	257.865401725565	2597.83464119515	2598.339727517969	0	0
673	405	299633	72578.8586773035	1059037.3170250766	39.78321770809399	-105.5413826	368009.906709215	404828.485401081	2661.797789122873	257.849124837514	2599.329186129539	2599.699489707289	0	0
674	405	299634	73238.8586773035	1059037.3170250766	39.7832307	-105.5390359	368210.0387565943	404832.49805113	2652.588500209544	257.8205800209544	2601.042342041783	2601.427871245877	0	0
675	405	299635	73898.8586773035	1059037.3170250766	39.7832301654573759	-105.5368693	36841.88715840047	404824.241871296	2653.79593801347	257.978115632308	2603.267054338745	2603.8128785937	0	0
676	405	299636	74558.8586773035	1059037.3170250766	39.78319654655142	-105.534326	368612.83526854946	404820.458830112	2665.30642726476	258.012350849223	2604.726810500953	2605.398718752317	0	0
677	405	299637	75218.8586773035	1059037.3170250766	39.7831914022664	-105.5318689	368813.7631171143	404816.44682567	2676.851955514515	258.0125822012814	2603.654295854496	2604.281891969864	0	0
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679	405	299639	76538.8586773035	1059037.3170250766	39.783180976961025	-105.5273025	369215.6789615127	404808.4123602925	2697.110568214067	258.013725964382	2594.920803933632	2595.651378314523	0	0
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683	405	299643	79178.8586773035	1059037.3170250766	39.78315959276719	-105.5171958	370019.4689911616	404796.374288886	2732.0204811204306	2586.467517422453	2580.7827510675565	2581.488733389264	2.548369635	4.61878388326703
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692	405	299652	85118.8586773035	1059037.3170250766	39.7831075352604	-105.4967596	371827.98718357016	404756.283818297	2690.570293078095	2590.5192303761	2552.896657714737	2553.1164194651614	37.42262755028368	36.9027483460597
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699	405	299659	89738.8586773035	1059037.3170250766	39.78306765182875	-105.4803689	373234.6063108297	404738.2262345695	2693.028681338241	2589.3869644654	2548.410992102137	2548.3616847617323	50.9074075250747	50.9074075250747
700	405	299660	90398.8586773035	1059037.3170250766	39.783060564518365	-105.4780222	373435.5514171915	404724.219	2701.7529159276633	2588.886617225693	2550.3548068334727	2550.3548068334727	58.570524522256	58.570524522256
701	405	299661	91058.8586773035	1059037.3170250766	39.7830543189664	-105.4756755	373636.49640316097	404720.21005679	2710.07150513677	2588.3983296637	2552.2619609943254	2552.1899258435915	63.31926302461	63.31926302461
702	405	299662	91718.8586773035	1059037.3170250766	39.78304805382826	-105.4732388	373837.441269095	404716.20524538	2719.201351054548	2587.83759261073	2554.20220899250	2554.20220899250	73.2507441326656	73.2507441326656
703	405	299663	92378.8586773035	1059037.3170250766	39.78304170557512	-105.4706922	374038.386	404712.19872582	2727.18035799955	2587.222947335545	2556.163602882583	2556.0623544539333	71.059811665299639	71.059811665299639
704	405	299664	93038.8586773035	1059037.3170250766	39.783035189354	-105.4680522	374239.3306417384	404708.192444399	2719.414089109027	2589.535057213052	2554.112716717162	2554.112716717162	74.26912289344733	74.26912289344733
705	405	299665	93698.8586773035	1059037.3170250766	39.7830289478128	-105.4656828	374440.25147839	404704.18625807	2716.67478035467	2585.8317633882	2553.912116238403	2553.912116238403	76.9883704081565	76.9883704081565
706	405	299666	94358.8586773035	1059037.3170250766	39.78302488500508	-105.4639421	374641.2195	404700.18000267	2713.84191578053	2585.09039394355	2551.566920323633	2551.566920323633	79.2490704	79.2490704
707	405	299667	95018.8586773035	1059037.3170250766	39.7830159837222	-105.4615955	374842.1630853023	404696.170537278	2714.012506583744	2584.933099070994	2552.9727444086	2552.9727444086	81.2304377034466	81.2304377034466
708	405	299668	95678.8586773035	1059037.3170250766	39.78300943355828	-105.4592488	375043.1075560724	404692.169713635	2715.267467235573	2583.373625934738	2553.70576520683	2553.70576520683	83.2507441326656	83.2507441326656
709	405	299669	96338.8586773035	1059037.3170250766	39.7830023850003	-105.4569021	375244.0119870971	404688.16462932	2717.114214588452	2582.463112420044	2552.9727444086	2552.9727444086	85.26912289344733	85.26912289344733
710	405	299670	96998.8586773035	1059037.3170250766	39.78299167190657	-105.454554	375444.9950020336	404684.159784375	2718.950515532678	2581.51170461002	2552.135507702047	2552.135507702047	87.26912289344733	87.26912289344733
711	405	299671	97658.8586773035	1059037.3170250766	39.78298471778565	-105.452178	375644.9950020336	404680.159784375	2719.414089109027	2589.535057213052	2554.112716717162	2554.112716717162	89.26912289344733	89.26912289344733
712	405	299672	98318.8586773035	1059037.3170250766	39.782978278	-105.4498621	375846.883720946	404676.150812304	2722.3240112431973	2579.4515855119	2553.912116238403	2553.912116238403	91.26912289344733	91.26912289344733
713	405	299673	98978.8586773035	1059037.3170250766	39.7829703696746	-105.4475154	376047.826931272	404672.146682838	2723.950582046335					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRfElevKgr.f	BRfElevBothKgr.f	SurfAtk.f	SurfBoth.f
55	405	299755	-33501.1413	1059697.310250766	39.79448411569399	-101.9916116	24375.93628832296	40470560.349031355	3608.93677710796	3473.350070690774	3443.88926044954	29.46104456618984	29.59510338133032
56	406	299756	-33464.1413	1059697.310250766	39.7947112546266	-101.9892562	243997.0411655987	4047556.185593396	3607.292761365664	3443.3127396337095	3442.3127396337095	29.59366186116044	29.45374052937404
57	407	299757	-33381.1413	1059697.310250766	39.79484046992037	-101.9869188	244186.969977213	4047552.022481406	3604.648765592033	3440.94867281542	3440.94867281542	29.598867445385808	29.16972363239373
58	408	299758	-33321.1413	1059697.310250766	39.7951700901254	-101.9845724	244399.13091389128	4047547.859438598	3602.00477936482	3468.399181879136	3439.4027469529846	29.59247690529846	29.05448101783778
59	409	299759	-33261.1413	1059697.310250766	39.7953682793884	-101.982226	244600.1952831361	4047543.696751006	3597.1152430146994	3466.663394028795	3437.8261302395076	29.5940916337183	28.98039638377588
60	410	299760	-33201.1413	1059697.310250766	39.795627114602	-101.9798796	244801.25940020662	4047535.542931212	3589.980125687413	3435.9942480917844	3435.918903884495	29.004046476956595	29.17921868433177
61	411	299761	-33141.1413	1059697.310250766	39.7958543436899	-101.9775332	245002.32326476678	4047535.372080086	3582.85407	3463.338719351077	3434.0033649676598	29.5906067447495	29.0741248294987
62	412	299762	-33081.1413	1059697.310250766	39.7960823216267	-101.9751868	245203.2863772022	4047531.201119194	3575.709983230376	3461.6697125882006	3431.7847246843276	29.59138978413	29.8849673873025
63	413	299763	-33021.1413	1059697.310250766	39.79629446270764	-101.9728044	245404.4502377211	4047529.614949337	3571.725769814456	3460.056496383875	3429.3555104891615	29.59483642571163	29.81537196478564
64	414	299764	-32961.1413	1059697.310250766	39.7965337171211	-101.970494	245605.513445539	4047522.8890112	3568.539247151689	3426.702488250046	3425.6625345637	29.595635166848	29.31389841712542
65	415	299765	-32901.1413	1059697.310250766	39.79676173567786	-101.9681476	245806.5762038372	4047518.757674695	3560.058930201177	3456.6695957254114	3424.202359178815	29.59467369075385	29.82745746161805
66	416	299766	-32841.1413	1059697.310250766	39.7969873004399	-101.9658012	246008.67838098454	4047514.564687949	3562.225615471034	3454.964886754046	3421.5316997394534	29.5946778395122	29.0386517350219
67	417	299767	-32781.1413	1059697.310250766	39.79721241190735	-101.9634548	246208.7016476426	4047510.403493651	3568.600253360284	3453.165272700496	3419.018399505037	29.5941392734017	29.34281727694556
68	418	299768	-32721.1413	1059697.310250766	39.7974377007976	-101.9611084	246409.76326880048	4047506.24444467	3562.182763582767	3452.67584606746	3416.657091794733	29.59412268346305	29.3470492130136
69	419	299769	-32661.1413	1059697.310250766	39.7976612749563	-101.9588762	246610.82512216052	4047502.683190089	3549.92781804899	3449.92781804899	3414.6809941152596	29.5941379957111096	29.34284113293494
70	420	299770	-32601.1413	1059697.310250766	39.7978788025367	-101.9564156	246811.88672504947	4047497.92180358	3553.34788027307	3442.148634547284	3412.83039572324	29.594165704363784	29.3789038
71	421	299771	-32541.1413	1059697.310250766	39.7981083248208	-101.9540492	247012.948077678	4047493.76145179	3555.29845319569	3446.483296521003	3411.005972744766	29.594679289133195	29.347723278
72	422	299772	-32481.1413	1059697.310250766	39.7983311698079	-101.9517228	247214.0091802465	4047489.603957174	3563.617914725262	3447.773925169225	3409.2974917365443	29.594299538037814	29.36710802672231
73	423	299773	-32421.1413	1059697.310250766	39.7985535614975	-101.9493764	247415.0302396798	4047485.446240845	3571.937090450424	3442.937998	3407.679928513729	29.594678514083873	29.352806933287046
74	424	299774	-32361.1413	1059697.310250766	39.79877174999945	-101.94703	247616.13073398975	4047481.28587596	3580.25620403831	3441.106718854397	3405.901815	29.594430457479105	29.35056577
75	425	299775	-32301.1413	1059697.310250766	39.798997	-101.9446836	247817.91191	4047471.126802299	3582.470792291176	3439.22943306006	3404.3609046636482	29.594411146504874	29.358852404257875
76	426	299776	-32241.1413	1059697.310250766	39.7992186186877	-101.9423372	248018.25119404338	4047472.965821516	3578.587594510231	3437.2965647142873	3401.9371156589716	29.5941307303083	29.35940431120706
77	427	299777	-32181.1413	1059697.310250766	39.7994438923475	-101.9399897	248219.65493337295	4047469.8653272295	3578.5273529170233	3421.86253618498	3394.6448548149273	29.59413633653505	29.35886269767601
78	428	299778	-32121.1413	1059697.310250766	39.7996587205795	-101.9376443	248420.3706500586	4047464.651913666	3570.01858907534	3433.27048628095	3391.431502054248	29.59436925399798	29.3823004095147
79	429	299779	-32061.1413	1059697.310250766	39.7998789324755	-101.9352579	248621.4300133692	4047464.094109483	3564.6559848632847	3431.0970459382884	3396.9517299520994	29.5943718259369	29.3823004095147
80	430	299780	-32001.1413	1059697.310250766	39.8000976110714	-101.9329515	248822.4891235074	4047456.33254466	3556.22078652787	3428.87482712931	3394.655934350016	29.5943718259369	29.3823004095147
81	431	299781	-31941.1413	1059697.310250766	39.8003163736962	-101.9306051	249023.5479849851	4047456.19677765	3547.784572573875	3426.566403294205	3391.7430876903354	29.5943718259369	29.3823004095147
82	432	299782	-31881.1413	1059697.310250766	39.800534688399	-101.928258	249224.6058627056	4047448.021155907	3548.348665191744	3424.169175737635	3388.508787579954	29.5943718259369	29.3823004095147
83	433	299783	-31821.1413	1059697.310250766	39.800755470519	-101.9259122	249425.65493337295	4047441.74382323	3538.5273529170233	3421.86253618498	3385.34548170278	29.59413633653505	29.3823004095147
84	434	299784	-31761.1413	1059697.310250766	39.800973717211	-101.9235658	249628.7230188127	4047438.70744002	3531.917621707134	3419.1073017501853	3380.25020276054	29.59413633653505	29.3823004095147
85	435	299785	-31701.1413	1059697.310250766	39.8011869045292	-101.9212194	249827.7890525005	4047435.552405583	3522.111213530744	3416.448764086165	3375.124954909489	29.59413633653505	29.3823004095147
86	436	299786	-31641.1413	1059697.310250766	39.8014034033136	-101.9188729	250028.8385761296	4047431.39617102	3488.904557054717	3413.70653171702	3369.604578764996	29.59413633653505	29.3823004095147
87	437	299787	-31581.1413	1059697.310250766	39.8016194879444	-101.9165265	250229.8955254362	4047427.20462657	3482.396751819534	3410.900799272391	3364.1223728498417	29.59413633653505	29.3823004095147
88	438	299788	-31521.1413	1059697.310250766	39.801835049722	-101.9141801	250430.9532032386	4047423.084582005	3482.588714740288	3408.026962199495	3359.534066256866	29.59413633653505	29.3823004095147
89	439	299789	-31461.1413	1059697.310250766	39.8020501795453	-101.9118336	250632.0996565519	4047418.52948042	3482.780677661424	3405.96251952169	3356.931010769307	29.59413633653505	29.3823004095147
90	440	299790	-31401.1413	1059697.310250766	39.8022648541366	-101.9094872	250833.066	4047414.74382323	3482.780677661424	3405.96251952169	3356.931010769307	29.59413633653505	29.3823004095147
91	441	299791	-31341.1413	1059697.310250766	39.802479097761	-101.9071408	251043.1229323632	4047410.619512754	3484.935168397498	3399.085428047575	3358.181638005953	29.59413633653505	29.3823004095147
92	442	299792	-31281.1413	1059697.310250766	39.802692676532	-101.9047493	251235.1791380717	4047406.44898867	3487.4833070081545	3396.043188590534	3360.139002212396	29.59413633653505	29.3823004095147
93	443	299793	-31221.1413	1059697.310250766	39.8029062028755	-101.9024479	251436.2350372228	4047402.103505565	3482.588714740288	3392.968507	3362.253501901866	29.59413633653505	29.3823004095147
94	444	299794	-30961.1413	1059697.310250766	39.8031190476331	-101.9001014	251637.29060497135	4047398.15639041	3484.935168397498	3389.671271096633	3362.253501901866	29.59413633653505	29.3823004095147
95	445	299795	-30901.1413	1059697.310250766	39.80333143967245	-101.897775	251838.34069917135	4047394.002477044	3488.4265262390756	3386.760262390756	3365.614019713254	29.59413633653505	29.3823004095147
96	446	299796	-30841.1413	1059697.310250766	39.8035434594046	-101.895408	252039.4012624003	4047389.484829565	3486.91548624033	3383.641305845424	3367.0773249744304	29.59413633653505	29.3823004095147
97	447	299797	-30781.1413	1059697.310250766	39.80375978182924	-101.8930897	252241.518543965	4047384.521269674	3484.935168397498	3381.7178072987	3365.614019713254	29.59413633653505	29.3823004095147
98	448	299798	-30721.1413	1059697.310250766	39.803973304554	-101.8907157	252441.518543965	4047379.452126974	3486.91548624033	3383.641305845424	3367.0773249744304	29.59413633653505	29.3823004095147
99	449	299799	-30661.1413	1059697.310250766	39.8041763675415	-101.8883692	252642.5628357638	4047373.39835064	3482.556615158533	3374.3021831451906	3370.1012773974033	29.59413633653505	29.3823004095147
100	450	299800	-30601.1413	1059697.310250766	39.8043867892537	-101.8860228	252843.619468479	4047372.33686033	3480.62743815664	3371.208815720264	3370.1012773974033	29.59413633653505	29.3823004095147
101	451	299801	-30541.1413	1059697.310250766	39.8045965	-101.8836763	253044.67340933764	4047369.084261572	3488.904557054717	3368.129546634854	3371.048886750867	29.59413633653505	29.3823004095147
102	452	299802	-30481.1413	1059697.310250766	39.804806343249	-101.8813299	253245.7271063193	4047364.932081677	3486.79083465407	3365.060012697035	3370.88721368881	29.59413633653	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	AtmKt00.f	SurfKtBoth.f
181	406	298881	-252141.1413	1059697.3170250766	39.78199036676002	-101.6959562	269128.21641692496	4407037.682052034	3431.093076172525	3330.9781268725465	3258.5580789482454	3259.78746968795	54.2400479297011	44.19029740275164
182	406	298882	-251481.1413	1059697.3170250766	39.782001667447184	-101.6930096	269329.2512705117	4407033.5494313055	3433.255805640124	3303.161473062048	3258.6729562615834	3257.1643786499623	54.1831834046477	44.19029740275164
183	406	298883	-250921.1413	1059697.3170250766	39.78202491740041	-101.6912831	269630.26895987875	4407034.4170181926	3434.8764300907295	3302.2248991986763	3258.5686229116857	3257.111597198933	54.1537321871199	44.19029740275164
184	406	298884	-250161.1413	1059697.3170250766	39.78204212471962	-101.688165	269973.3203103062	4407035.2486948671	3435.954972659391	3301.354919100427	3257.101270658265	3255.292266215587	54.5842824125586	46.4322922730489
185	406	298885	-249601.1413	1059697.3170250766	39.78205928670474	-101.68657	269932.34648738816	4407021.1537	3437.033513513911	3304.4380512940247	3251.7559173692624	3253.255461167309	48.68258839115833	47.182696500991794
186	406	298886	-248841.1413	1059697.3170250766	39.78207603355916	-101.6842234	270133.3884382049	4407017.012296607	3438.1120507694322	3299.534824567674	3249.63043826214	3251.05422814137	48.480254745957	48.480254745957
187	406	298887	-248181.1413	1059697.3170250766	39.78209341762934	-101.6818768	270334.3221628026	4407012.188977328	3431.325964164051	3298.624378680824	3248.35482946318	3248.748298565749	50.2700873465446	49.8759840313359
188	406	298888	-247521.1413	1059697.3170250766	39.78211050055579	-101.6795033	270535.4556617282	4407008.7591701964	3446.675236977984	3297.711901511689	3248.118441123303	3246.403612789545	51.30682872214397	51.30682872214397
189	406	298889	-246861.1413	1059697.3170250766	39.78212748130449	-101.6771837	270736.489839375	4407004.827770512	3452.8077995482965	3295.877995482965	3246.5456912046	3245.338616542524	52.8698745708193	52.8698745708193
190	406	298890	-246201.1413	1059697.3170250766	39.78214441161899	-101.6745872	270957.5219800043	4406997.407082962	3457.373827652018	3295.86779438154	3241.5984848259213	3242.21518511029	54.284296122321	53.6575922712504
191	406	298891	-245541.1413	1059697.3170250766	39.7821613059929	-101.6724906	271138.5548022583	4406996.3663839105	3462.474582484104	3294.9664380573383	3240.800634548293	3240.9210816140566	54.1658450850904	54.0454014423812
192	406	298892	-244881.1413	1059697.3170250766	39.78217815124529	-101.670144	271339.5874	4406992.236439543	3467.326403481173	3294.09139687037	3240.209004521995	3240.35912427762	53.5801351667084	53.70322716210677
193	406	298893	-244221.1413	1059697.3170250766	39.78219480556985	-101.6677975	271540.619769075	4406988.106483562	3472.178854081674	3301.13072966014	3239.771381847385	3239.348240349567	53.33497318342894	53.14830562585712
194	406	298894	-243561.1413	1059697.3170250766	39.782221170453476	-101.6654509	271741.6519159103	4406983.97716138	3479.010047014295	3292.21134700251	3239.38418928115	3239.983971716527	52.6289480573576	52.27162254323397
195	406	298895	-242901.1413	1059697.3170250766	39.782228413174744	-101.6631404	271942.5838375304	4406979.847303488	3480.721073732946	3291.2900300321038	3238.142333098996	3238.56535279872	53.17467800313413	53.162947062221565
196	406	298896	-242241.1413	1059697.3170250766	39.78224507648903	-101.6607576	272143.71534349033	4406975.718017912	3483.246909391765	3290.36489227372	3237.7168041762	3238.36981060909	52.6420381060119	51.9962635366413
197	406	298897	-241581.1413	1059697.3170250766	39.78226168446021	-101.6584112	272344.747	4406971.589097474	3485.77061821398	3289.434145846267	3237.4098323240714	3239.12062936448	52.0524072605551	50.31785219978854
198	406	298898	-240921.1413	1059697.3170250766	39.782278267090926	-101.6560647	272545.7725679147	4406967.40632138	3488.305054546293	3287.4950078874	3237.141234350109	3237.5835362327503	51.5145897	51.5145897
199	406	298899	-240261.1413	1059697.3170250766	39.78229474400516	-101.6537181	272746.8093	4406963.31869367	3490.347014377006	3287.553037118587	3236.9256163891	3237.369884506632	50.6237003462598	50.1763176239289
200	406	298900	-239601.1413	1059697.3170250766	39.7823117637588	-101.6513715	272947.840035295	4406959.204	3491.902941317434	3286.599419627687	3236.770233305203	3237.133742	49.46607713146956	49.46607713146956
201	406	298901	-238941.1413	1059697.3170250766	39.78232771301203	-101.6490249	273148.8760914603	4406955.07651291	3493.45868251342	3285.63396261291	3236.69178566087	3236.938619240683	49.84217669071825	48.9500121988454
202	406	298902	-238281.1413	1059697.3170250766	39.782344104321716	-101.6466784	273349.9011156587	4406950.348	3495.014795	3284.653736173835	3236.899075489373	3236.76208404267	47.74569977	47.89927200900597
203	406	298903	-237621.1413	1059697.3170250766	39.7823609026862	-101.6443714	273550.32485494	4406943.16363448	3497.27545694547	3282.948349324983	3236.5456912046	3236.4456912046	54.0054694475654	54.0054694475654
204	406	298904	-236961.1413	1059697.3170250766	39.78237675	-101.6419852	273751.1615717904	4406942.630600896	3498.544021562004	3282.62574438571	3236.206438176097	3236.2319141797734	54.41930617247135	54.3930316579765
205	406	298905	-236301.1413	1059697.3170250766	39.782393006218484	-101.6396387	273952.99004442237	4406938.56603752	3499.6723115156004	3281.5640131193077	3234.945370255543	3234.78979635705543	54.67422192073034	54.67422192073034
206	406	298906	-235641.1413	1059697.3170250766	39.78240921618132	-101.6372921	274154.0203086874	4406934.30424596	3499.4038015008	3280.61422296453	3237.837095192225	3232.23182670427	47.58832710422803	48.228432582818
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208	406	298908	-234321.1413	1059697.3170250766	39.78244150010272	-101.6325989	274556.07904929	4406926.18640398	3492.811491	3278.125056214263	3227.44453469698	3228.1869680518147	50.06850715435814	52.3063731241169
209	406	298909	-233661.1413	1059697.3170250766	39.782457745486129	-101.6302573	274757.012693458	4406920.343748	3491.27545694547	3276.98922943638	3224.48141959333	3222.492456544683	54.0054694475654	54.0054694475654
210	406	298910	-233001.1413	1059697.3170250766	39.78247302659314	-101.627958	274959.135462098	4406914.734537625	3489.51682716608	3274.910442255	3224.912067158487	3219.1029595877	54.6040417161195	54.6040417161195
211	406	298911	-232341.1413	1059697.3170250766	39.78248958597378	-101.6255952	275159.164031397	4406913.808970254	3487.260274462295	3274.360189738685	3217.901276284245	3215.861024892556	54.5882062502953	54.5882062502953
212	406	298912	-231681.1413	1059697.3170250766	39.78250523272679	-101.6232126	275360.192431387	4406909.63864617	3486.85732131638	3275.05786067945	3215.045718898936	3212.731524194137	50.06588178986146	50.32426187362075
213	406	298913	-231021.1413	1059697.3170250766	39.78252141654666	-101.620866	275561.2203496203	4406905.58665704	3485.446991786465	3273.737969513246	3212.1512201601768	3209.7448334560327	51.58257679114786	51.98896349251955
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215	406	298915	-229701.1413	1059697.3170250766	39.782553036779545	-101.6161728	275963.2755146436	4406897.30918826	3483.6587220433377	3269.5456334615926	3210.08497465434	3204.303287148408	61.9060257059587	64.75070483184868
216	406	298916	-229041.1413	1059697.3170250766	39.78256982393814	-101.6138213	276164.302765501	4406893.121679245	3482.519037146635	3267.7013442255	3209.343227900317	3204.343227900317	65.0054694475654	65.0054694475654
217	406	298917	-228381.1413	1059697.3170250766	39.782585365779545	-101.6114797	276365.237896823	4406889.06084158	3481.0248122499728	3266.3460701019	3207.288467830343	3200.403178724073	65.0672922	65.0672922
218	406	298918	-227721.1413	1059697.3170250766	39.78260019961637	-101.6091331	276566.5561043704	4406884.937	3480.1595007	3264.98052439596	3199.076499117745	3198.44495	65.005382321478	65.4013201
219	406	298919	-227061.1413	1059697.3170250766	39.78261582202506	-101.6067865	276767.3830272864	4406883.81205038	3478.17219273737	3263.621774	3197.086789	3196.4427931739333	64.53488497	67.17889034149675
220	406	298920	-226401.1413	1059697.3170250766	39.78263135049863	-101.6044399	276968.406575457	4406876.6893091	3476.64392081314	3262.2584871768124	3195.2634181730186	3194.6413916	64.53488497	67.17889034149675
221	406	298921	-225741.1413	1059697.3170250766	39.78264693	-101.6020933	277169.4372909397	4406872.56670006	3475.45786748891	3260.90116560383	3193.956848219755	3192.943326424361	67.3053173502768	67.3053173502768
222	406	298922	-225081.1413	1059697.3170250766	39.78266241004016	-101.5997467	277370.4616635798	4406868.44381377	3475.01524584676	3259.578639733591	3192.083402734384	3191.758233131677	67.495304	67.495304
223	406	298923	-224421.1413	1059697.3170250766	39.78267893788789	-101.5974314	277579.5093788789	4406863.2485494	3473.9321171499	3258.4321171499	3190.9432171499	3190.9432171499	67.495304	67.495304
224	406	298924	-223761.1413	1059697.3170250766	39.7826943324071	-101.595035	277752.5178619385	4406858.19871356	3472.85824221245	3257.650921738451	3188.843617839934	3189.02809195585	68.51043954762	68.51043954762
225	406	298925	-223101.1413											

id	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	Sur/Elev.ft	W.L.R.	BRelev/Logskm	BRelev/Botgrk.m	Sat/Ltlogskm	Sat/LtBotH.ft	
307	400	000007	-186981.1431	105969.3717025076	79.783812898612943	101.400283	294618.94571344006	40658.1888813193	37.784682826783116	314.27313475639104	3062.762582221947	3062.780111836754	84.3338481809052	84.3338480235016
308	400	300008	-168321.1431	105969.3717025076	79.783824843801804	101.397963	294578.94573821398	40654.178621159	37.754523301399967	314.26350715220223	3063.507290522039	3063.442313284833	82.7272930198345	82.7187561939943
309	400	000009	-167661.1431	105969.3717025076	79.78383602413525	101.395886	294858.90430488665	40650.58440296315	37.754523301399967	314.2545348829615	3065.9845491607097	3068.081356951489	79.26004325195285	79.26004325195285
310	400	000010	-167001.1431	105969.3717025076	79.78384751931111	101.393423	294605.9105146311	40650.658013729	37.732100205036374	314.4243730494167	3069.054713667516	3069.3255541397457	77.19716919007	77.19716919007
311	400	000011	-166341.1431	105969.3717025076	79.7838592399994	101.391863	294605.9105146311	40650.658013729	37.732100205036374	314.4243730494167	3069.054713667516	3069.3255541397457	75.08745164378	75.08745164378
312	400	000012	-165681.1431	105969.3717025076	79.78387107311111	101.389863	29461.94571344006	40650.658013729	37.732100205036374	314.4243730494167	3069.054713667516	3069.3255541397457	72.958426467339	72.958426467339
313	400	000013	-165021.1431	105969.3717025076	79.78389132096544	101.388029	295662.931076889	40649.280407996	37.7199044505585	313.9774514783626	3082.68185655013	3082.68185655013	70.9248354336512	70.9248354336512
314	400	000014	-164361.1431	105969.3717025076	79.78383054742786	101.383653	295863.9387329665	40649.179541031	37.706447137120353	313.948464301761	3067.15302268278	3067.2572618471	71.1960613248315	71.1960613248315
315	400	000015	-163701.1431	105969.3717025076	79.78390431	101.381506	296064.944837321	40648.970283133	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	71.1340326487706	71.133568662393
316	400	000016	-163041.1431	105969.3717025076	79.78391553702252	101.3791629	296789.5511021674	40648.979620356	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.9813228	71.0221978868984
317	400	000017	-162381.1431	105969.3717025076	79.78392671465858	101.3788162	296486.9517674896	40647.784988297	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.80186782738	70.8885825088554
318	400	000018	-161721.1431	105969.3717025076	79.78393810999999	101.377423	296289.5511021674	40647.784988297	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.80186782738	70.8885825088554
319	400	000019	-161061.1431	105969.3717025076	79.78394833690443	101.3771229	296886.9807035618	40649.658066316	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
320	400	000020	-160401.1431	105969.3717025076	79.78395975529676	101.369772	297069.9741688914	40646.581621841	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
321	400	000021	-159741.1431	105969.3717025076	79.7839709181211	101.3674295	297270.9	40646.581621841	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
322	400	000022	-159081.1431	105969.3717025076	79.7839819275672	101.3650829	297471.985	40646.581621841	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
323	400	000023	-158421.1431	105969.3717025076	79.78399326356	101.3627382	297693.98887206	40645.328539623	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
324	400	000024	-157761.1431	105969.3717025076	79.7840045356374	101.3580428	298074.988534564	40645.090032414	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
325	400	000025	-157101.1431	105969.3717025076	79.7840145356374	101.3556961	298276.0281456138	40644.992434306	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
326	400	000026	-156441.1431	105969.3717025076	79.7840253571503	101.3533495	298470.078896082	40643.8905693528	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
327	400	000027	-155781.1431	105969.3717025076	79.784036	101.3510028	298674.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
328	400	000028	-155121.1431	105969.3717025076	79.7840466763289	101.3486612	298874.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
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330	400	000030	-153801.1431	105969.3717025076	79.78406793999999	101.3441265	299294.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
331	400	000031	-153141.1431	105969.3717025076	79.7840784105989	101.3419627	299504.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
332	400	000032	-152481.1431	105969.3717025076	79.7840893862547	101.341616	299714.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
333	400	000033	-151821.1431	105969.3717025076	79.7840993805305	101.3393623	299924.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
334	400	000034	-151161.1431	105969.3717025076	79.7841098	101.3371229	300134.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
335	400	000035	-150501.1431	105969.3717025076	79.7841206	101.334976	300345.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
336	400	000036	-149841.1431	105969.3717025076	79.7841314	101.332783	300556.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
337	400	000037	-149181.1431	105969.3717025076	79.7841407638284	101.3298626	300766.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
338	400	000038	-148521.1431	105969.3717025076	79.784150971920035	101.3275359	300977.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
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340	400	000040	-147201.1431	105969.3717025076	79.78417126890005	101.3228425	301399.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
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342	400	000042	-145881.1431	105969.3717025076	79.7841914250011	101.318256	301821.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
343	400	000043	-145221.1431	105969.3717025076	79.78420149533995	101.3159805	302032.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
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345	400	000045	-143901.1431	105969.3717025076	79.7842211821153	101.3111091	302454.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
346	400	000046	-143241.1431	105969.3717025076	79.7842311440439	101.3087624	302665.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
347	400	000047	-142581.1431	105969.3717025076	79.784240958153636	101.306487	302876.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
348	400	000048	-141921.1431	105969.3717025076	79.7842507635011	101.304209	303087.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
349	400	000049	-141261.1431	105969.3717025076	79.7842606105957944	101.301931	303298.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
350	400	000050	-140601.1431	105969.3717025076	79.78427014198622	101.2996576	303509.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
351	400	000051	-139941.1431	105969.3717025076	79.7842797818212	101.297389	303720.0187188047	40643.7999283	37.684398172437196	313.72348263107	3065.12947483133	3065.61028375043	70.798693736044	70.8028283570953
352														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR/ElevLogs.kft	BR/ElevBoth.kft	SatThtLogs.ft	SatThtBoth.ft
433	406	300133	-8521.14133	1059697.3170250766	36.784915663521516	-110.1045978	319782.3627185628	4060003.951765373	2997.7344218228736	2882.5653138541848	2884.587736360942	2880.089516845038	17.977577493206354	22.475797009110465
434	406	300134	-8516.14133	1059697.3170250766	36.784512526519874	-110.1022511	319983.36467388106	4060003.803540747	2992.4733964434643	2881.166027	2881.032127177554	2856.925696868305	20.13399592845623	24.239034362493
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437	406	300137	-8318.14133	1059697.3170250766	36.7849388347708	-110.0952109	320586.298290131	4059987.667578138	2972.2144645380185	2877.310186386503	2850.4598915549414	2847.663486277905	26.67209481356168	29.46669740712556
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442	406	300142	-7989.14133	1059697.3170250766	36.78496669	-110.0834772	321591.2133358024	4059971.31777271	2907.7015263544	2870.68834997554	2832.51852513694	2831.689532491324	38.1697564336005	36.02860431598782
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477	406	300177	-5678.14133	1059697.3170250766	36.785131174017835	-110.001341	328625.50275174385	4058925.087444643	3048.299121801474	2861.74791085971	2884.99229096848	2855.8658620437134	52.0581097695471	53.5234788857343
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ix	iy	x.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRIElevKsg.frt	BRIElevBothK.frt	SatThK.frt	SatThBoth.frt
559	400	300259	-2601.1411327	1069697.3170250766	37.8522895887802	-100.8089066	345105.0549266309	4405492.856439888	2956.9185574365556	2744.5314858152915	2749.287426977566	2749.7435414821675
560	400	300260	-2601.1411327	1069697.3170250766	37.85229675902169	-100.8065599	345306.0186455743	4405488.815445789	2953.2006146073863	2741.973399015239	2748.562412167173	2748.9934812118713
561	400	300261	-1341.141327	1069697.3170250766	37.85228973824864	-100.8042181	345656.3622153862	4405484.42389224587	2949.484371776317	2739.423892245871	2748.78592178428	2748.78592178428
562	400	300262	-681.1413269	1069697.3170250766	37.8522983428787	-100.8018635	345707.945633296	4405480.734	2945.764728940483	2736.882447	2747.635146069577	2747.827272715136
563	400	300263	-21.14132693	1069697.3170250766	37.85229896410405	-100.7995196	345908.90808588	4405476.6930805955	2942.2138879792524	2734.349007151504	2747.3218289143547	2747.551151178218
564	400	300264	638.58673033514	1069697.3170250766	37.85229896410405	-100.7971728	346109.8720323725	4405472.653877872	2938.830148868294	2731.823037744895	2747.052792	2747.256461612477
565	400	300265	1298.58673033514	1069697.3170250766	37.85229896410405	-100.794826	346310.835007877	4405468.6140879373	2935.446409578407	2729.3075770814904	2746.8418306064964	2747.055285734338
566	400	300266	1958.58673033514	1069697.3170250766	37.8522987673582	-100.7924793	346811.7979353395	4405464.614538888	2932.06267647984	2726.8005235202277	2746.6998128130163	2747.0012186127946
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568	400	300268	3278.58673033514	1069697.3170250766	37.85229840717566	-100.7877858	346913.7234568707	4405456.49616321	2915.6180109843053	2721.8139843190615	2746.7590135842013	2747.055637786302
569	400	300269	3938.58673033514	1069697.3170250766	37.852288159957886	-100.785439	347114.6854313669	4405452.457336424	2905.782817578661	2719.3356930582588	2746.995808824689	2747.055637786302
570	400	300270	4598.5867303351	1069697.3170250766	37.85229786673784	-100.7830922	347315.647668242	4405448.18750506	2895.947624173016	2716.8688236436105	2747.5672800374743	2747.876533894455
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574	400	300274	7238.5867303351	1069697.3170250766	37.85229624029402	-100.7737052	348138.9637374354	4405379.81	2868.0179863999478	2708.64712425291	2716.874712425291	2716.874712425291
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582	400	300282	12518.5867303351	1069697.3170250766	37.8525081106888	-100.7545911	349727.1831	4405399.974490722	2850.202411816923	2688.457840074084	2731.351240051584	2727.056179647407
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591	400	300291	18458.5867303351	1069697.3170250766	37.8528212465302	-100.7338102	351535.8211040359	4405363.664048502	2828.743711603112	2669.087281536487	2725.293974790895	2726.357954956753
592	400	300292	19118.5867303351	1069697.3170250766	37.852794390517	-100.7314634	351736.7801542188	4405359.630747548	2817.870132442633	2667.037403878233	2729.125807356837	2730.552671920011
593	400	300293	19778.5867303351	1069697.3170250766	37.85276878191698	-100.7291167	351937.7396190624	4405355.597707049	2806.997314885415	2665.00380128612	2733.70487624206	2733.695507303292
594	400	300294	20438.5867303351	1069697.3170250766	37.8527427235884	-100.726769	352138.9927673053	4405351.56487173	2798.124116525667	2662.98303	2736.2005521792	2736.2005521792
595	400	300295	21098.5867303351	1069697.3170250766	37.8527576961957	-100.7242313	352339.8556460206	4405347.53227887	2791.414476	2660.977562401283	2740.221152	2740.221152
596	400	300296	21758.5867303351	1069697.3170250766	37.8527433	-100.7220764	352540.6149320597	4405343.49999092	2792.8663941085746	2658.94687037996	2723.3615303562265	2733.691702305743
597	400	300297	22418.5867303351	1069697.3170250766	37.852721006068	-100.7197296	352741.5732178275	4405339.467910863	2794.323211949629	2657.005008389953	2704.537779994453	2703.081720660827
598	400	300298	23078.5867303351	1069697.3170250766	37.8527124727108	-100.7173829	352942.53147013043	4405335.43603171	2796.7762297904833	2655.038475	2698.468068241767	2698.067139943546
599	400	300299	23738.5867303351	1069697.3170250766	37.8526993914093	-100.7150361	353143.489271766	4405331.404459997	2795.937079040527	2653.084756168067	2693.8183420099568	2694.5442325868814
600	400	300300	24388.5867303351	1069697.3170250766	37.852678965704	-100.7126933	353344.44744316966	4405327.37089338	2794.7896540350054	2651.1240650889304	2688.1208761210846	2689.57204784868
601	400	300301	25038.5867303351	1069697.3170250766	37.852658195848	-100.7103769	353544.516123853	4405323.42	2793.6471989587348	2649.2098422157088	2687.110851965136	2687.110851965136
602	400	300302	25718.5867303351	1069697.3170250766	37.8526427427084	-100.7079853	353746.3628527827	4405319.11077524	2792.5025541320011	2647.260140480986	2684.35043480989	2684.35043480989
603	400	300303	26378.5867303351	1069697.3170250766	37.85262675321728	-100.705649	353947.3203466013	4405315.280432355	2791.533717437876	2645.329529380066	2677.80200898457	2681.0051764082706
604	400	300304	27038.5867303351	1069697.3170250766	37.852609183561	-100.7033023	354148.277074963	4405311.25	2790.732547212413	2643.466816988565	2673.960875483123	2677.32245254057176
605	400	300305	27698.5867303351	1069697.3170250766	37.8525903821365	-100.7009555	354349.2349145746	4405307.21986346	2789.93137698439	2641.567929154322	2669.2588187106984	2672.199334923906
606	400	300306	28338.5867303351	1069697.3170250766	37.85257112701395	-100.6986088	354550.191988587	4405303.189399372	2788.132067624847	2639.675567500477	2668.779301325745	2668.779301325745
607	400	300307	28988.5867303351	1069697.3170250766	37.8525514184886	-100.696362	354751.1488229655	4405299.16226361	2786.935866767615	2637.988969854546	2662.8362338481455	2665.918681576984
608	400	300308	29638.5867303351	1069697.3170250766	37.8525312565034	-100.6939152	354952.10571795955	4405295.130813491	2777.37773730329	2635.705158156727	2659.570235076515	2662.65787757887
609	400	300309	30338.5867303351	1069697.3170250766	37.8525106412288	-100.6915685	355153.0623780055	4405291.102	2769.808067387933	2634.031248567373		

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKrg.ft	BRLEvBothKrg.ft	SatHBoth.ft	
71	407	300511	-324741.1413	10603537.3170250766	39.78166238932492	-101.9540981	247017.1207443057	4047895.190971672	3447.0490576327134	344.1681062173666	3410.511767	3408.6972696274256	35.6743389094878	37.48838569
72	407	300512	-324081.1413	10603537.3170250766	39.78166404441024	-101.9517616	247218.181587680	3545.50728451378	3444.394072	3405.8774229911137	3403.74012433761983	35.1564686527649	37.381637957491876	34.89847173431506
73	407	300513	-323921.1413	10603537.3170250766	39.78166354147814	-101.9494053	247419.2421812112	3478.789278978	3443.948572	3402.567811800677	3401.731528	3405.431689148989	35.439822389127885	37.132642890190225
74	407	300514	-323761.1413	10603537.3170250766	39.781660528572675	-101.9470567	24802.30620550185	3407682.63013908	3460.423795529303	3404.700470	3405.56518263511	3403.92637493167	35.13520679	36.774121966813254
75	407	300515	-323201.1413	10603537.3170250766	39.78171267108844	-101.9447122	247821.36271961688	3407678.471485262	3408.785854153091	3403.9237427968355	3402.603439283734	3401.11356255535	36.18236486271753	35.26953228493458
76	407	300516	-324141.1413	10603537.3170250766	39.78173478140584	-101.9423657	248022.425664755	3407674.312107566	3568.49526627189	3436.817090209124	3402.349487177678	3401.100051	34.4682048613373	35.711378772175
77	407	300517	-320781.1413	10603537.3170250766	39.7817583983033	-101.9400193	248223.48210890827	3407674.154162812	3565.39185926188	3434.790979	3400.6677148005386	3399.5214469784164	34.12326518282134	35.26953228493458
78	407	300518	-320121.1413	10603537.3170250766	39.7817788523067	-101.9378728	248424.5415083973	3407665.959686828	3428.746774014133	3398.901038423069	3397.0032398072	337.976629104415	34.89847173431506	34.89847173431506
79	407	300519	-319461.1413	10603537.3170250766	39.7816802697685	-101.9353263	248626.600672098	3407675.837820094	3468.168944481543	3395.536622623254	3396.56666976738	3399.615584656865	34.5255831164671	34.5255831164671
80	407	300520	-318901.1413	10603537.3170250766	39.78172743107824	-101.9329798	248926.6594572416	3407675.881	3546.381859592387	3428.2077581732013	3393.729149517623	3393.623171032912	34.56778195578495	34.56778195578495
81	407	300521	-318141.1413	10603537.3170250766	39.78184462004524	-101.9306383	249027.71058984902	3407653.522457056	3504.153472747323	3425.97597287714	3390.694210653724	3390.958197488486	35.285386333986	35.021470492276
82	407	300522	-317481.1413	10603537.3170250766	39.78186645196995	-101.9282689	249228.7461409027	3407649.365142998	3521.920756894054	3423.5811527508854	3393.324352534366	3387.746621477103	36.24871721649879	35.83431503713656
83	407	300523	-316821.1413	10603537.3170250766	39.78188823840403	-101.9259404	249429.83452055618	3407645.208073637	3522.243638162177	3421.301315352013	3383.3391143216213	3383.9858870223555	37.3622013039168	37.16542832965716
84	407	300524	-316161.1413	10603537.3170250766	39.78190997950671	-101.9235939	249630.89237945166	3407641.501249265	3511.12211654362	3418.5413662583	3378.53559312577	3379.2865442093703	40.0057531330626	39.254721461528
85	407	300525	-315501.1413	10603537.3170250766	39.7819167527797	-101.9212474	249831.949990984	3407636.89496977	3500.009495270862	3415.50393878988	3373.0391592576881	3373.65174702534	37.24291291300267	42.252386
86	407	300526	-314841.1413	10603537.3170250766	39.78193332571777	-101.9189099	250033.072553907	3407632.78335163	3498.879073309541	3413.193778386805	3366.740015224404	3367.3120382411635	45.4528638	45.881740075176
87	407	300527	-314181.1413	10603537.3170250766	39.781978382605	-101.916554	250234.0644727868	3407628.58254418	3483.90180546384	3410.416395947753	3394.942205726386	3394.411380683584	37.0347019849167	50.0053978541893
88	407	300528	-313521.1413	10603537.3170250766	39.7819964060277	-101.9142079	250435.1213434707	3407624.54400352	3485.068791389444	3407.5798051251127	3353.717248511605	3354.055803123304	53.662565135078	53.5240020180864
89	407	300529	-312861.1413	10603537.3170250766	39.7820180054792	-101.9118614	250636.17766761804	3407620.271	3486.23571731522	3404.689184127454	3350.5901143377573	3351.1768917919367	54.0990700748805	53.51220262080694
90	407	300530	-312201.1413	10603537.3170250766	39.78203847416141	-101.909515	250837.234543444	3407616.11545314	3487.40276324102	3401.751872552566	3351.87765746865	3351.87765746865	48.603178379118871	48.603178379118871
91	407	300531	-311541.1413	10603537.3170250766	39.782068087943246	-101.9071685	251038.29047713047	3407610.96033469	3489.138673395185	3407.7473309483	3354.97100716071	3357.1061001701801	43.79902307778184	46.6609135165122
92	407	300532	-310881.1413	10603537.3170250766	39.782082763332	-101.904822	251238.346236909	3407607.805	3441.443399610747	3396.745173750498	3350.9216565791565	3361.1384503153095	37.34762419989308	34.6260346374014
93	407	300533	-310221.1413	10603537.3170250766	39.78210785149108	-101.902465	251464.0209535927	3407604.930535181	3446.376718825414	3394.05276014409	3353.05717049011026	3374.021727485682	34.44830243685827	34.44830243685827
94	407	300534	-309561.1413	10603537.3170250766	39.78212498729821	-101.900129	251641.45739735455	3407599.94472883	3495.02924513025	3398.696939	3363.64699196702	3366.858335817978	26.0501377820805	22.811503146931955
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96	407	300536	-308241.1413	10603537.3170250766	39.78216738375716	-101.895436	252043.56745099675	3407591.1845878	3479.17578807916	3383.310590246777	3367.7561701969635	3367.026204394207	15.756888828714182	13.803262869596
97	407	300537	-307581.1413	10603537.3170250766	39.782173848866584	-101.8930895	252244.2211029482	3407587.03481801	3487.102489994761	3380.427186992475	3369.38506670517	3372.020931811386	11.041583021958104	10.406256511089163
98	407	300538	-306921.1413	10603537.3170250766	39.782209595125515	-101.890743	252445.67652491678	3407582.881417399	3455.140611650323	3377.3430900505676	3370.80197331074	3373.1540838684527	6.543140759437765	4.18925242104864
99	407	300539	-306261.1413	10603537.3170250766	39.7822362784109	-101.888364	252646.7369059877	3407580.72805494	3446.3771548881247	3374.05778726887	3370.617737976857	3374.05778726887	33.7421274785682	0.05242993
100	407	300540	-305601.1413	10603537.3170250766	39.78225716720477	-101.886049	252847.78405209516	3407575.583135	3447.15753895325	3373.19755092917498	3375.6369892853	3375.6369892853	33.7421274785682	0.05242993
101	407	300541	-304941.1413	10603537.3170250766	39.7822726451003	-101.8837034	253048.8380279383	3407572.402269597	3435.35120426574	3368.141285049273	3373.8780267439945	3373.4155841815084	0	0
102	407	300542	-304281.1413	10603537.3170250766	39.78229356764007	-101.8813569	253249.89170477933	3407566.27027389	3429.84182128974	3365.10592527389	3374.206051	3375.0752019684	0	0
103	407	300543	-303621.1413	10603537.3170250766	39.78231444743913	-101.8797014	253450.9440531217	3407562.118	3422.88623495941	3362.073138651194	3373.951151822367	3375.312396847201	0	0
104	407	300544	-302961.1413	10603537.3170250766	39.782335281905375	-101.8766639	253651.9978620803	3407557.966177413	3417.486361238085	3359.054838538016	3372.943039814484	3374.012131493642	0	0
105	407	300545	-302301.1413	10603537.3170250766	39.78235607103596	-101.8743714	253855.0506937049	3407553.814490432	3411.098487483976	3356.0743354895085	3371.0556470440465	3371.97530245343	0	0
106	407	300546	-301641.1413	10603537.3170250766	39.782376814814108	-101.871978	254054.1030553927	3407549.630535181	3406.376718825414	3394.05276014409	3353.05717049011026	3374.021727485682	34.44830243685827	34.44830243685827
107	407	300547	-300981.1413	10603537.3170250766	39.782397531104035	-101.8696243	254255.1052819726	3407545.51891484	3404.543695882983	3350.9216565791565	3365.36498155275	3365.36498155275	0	0
108	407	300548	-300321.1413	10603537.3170250766	39.78241816644743	-101.8672778	254456.2072542648	3407541.36012229	3410.6754225594	3347.107528371784	3360.383432646596	3360.6848009109	0	0
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110	407	300550	-299001.1413	10603537.3170250766	39.78245933672414	-101.8625848	254858.3104908345	3407533.09547902	3422.885607900136	3341.23245760267	3350.91853310335	3351.088387199543	0	0
111	407	300551	-298341.1413	10603537.3170250766	39.782479833867575	-101.8602283	255059.3617435286	3407529.90932777	3427.236929449176	3338.382274505173	3345.915531344303	3346.041863018724	0	0
112	407	300552	-297681.1413	10603537.3170250766	39.782500325670874	-101.8578917	255260.4175438044	3407524.759662339	3429.82367496537	3335.449748894056	3340.975182168991	3340.953121487383	0	0
113	407	300553	-297021.1413	10603537.3170250766	39.7825213453561	-101.855491	255462.4029838172	3407520.90983672	3432.01909836172	3333.40394584621	3335.11471210097	3340.953121487383	0	0
114	407	300554	-296361.1413	10603537.3170250766	39.7825411338279	-101.8531987	255682.5140515077	3407516.4035478	3434.948453598833	3329.70119882735	3330.7445432032	3330.60438655123	0	0
115	407	300555	-295701.1413	10603537.3170250766	39.78256164909655	-101.8508522	255863.5643382167	3407512.31119045	3438.29473932447	3327.023067217067	3325.66902183544	3325.54138642701	1.358004538157245	1.5097860790058083
116	407	300556	-295041.1413	10603537.3170250766</										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElevLogsKrg.	BRrElevBothKrg.	SatNtElev.	SatNtBoth.
197	4007	300637	-241581.1413	10603537.3170250766	-39.78407473485286	-101.6584327	272348.8076563343	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
198	4007	300638	-240921.1413	10603537.3170250766	-39.78409137032233	-101.6560661	272549.915052311	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
199	4007	300639	-240361.1413	10603537.3170250766	-39.7841078556913	-101.6537295	272750.9489230242	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
200	4007	300640	-239601.1413	10603537.3170250766	-39.78412431805426	-101.6513928	272951.9791	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
201	4007	300641	-238941.1413	10603537.3170250766	-39.78414075511661	-101.6490462	273153.0096860182	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
202	4007	300642	-238281.1413	10603537.3170250766	-39.78415714685137	-101.6469996	273354.0386255355	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
203	4007	300643	-237621.1413	10603537.3170250766	-39.78417393423216	-101.6444329	273555.06975671976	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
204	4007	300644	-236961.1413	10603537.3170250766	-39.78418972429711	-101.6420063	273756.09940705786	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
205	4007	300645	-236301.1413	10603537.3170250766	-39.78420617936072	-101.6396957	273957.18377335156	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
206	4007	300646	-235641.1413	10603537.3170250766	-39.7842223039424	-101.637313	274158.158	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
207	4007	300647	-234981.1413	10603537.3170250766	-39.784238544672	-101.6349664	274359.1870250651	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
208	4007	300648	-234321.1413	10603537.3170250766	-39.78425454515804	-101.6326198	274560.2157866991	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
209	4007	300649	-233661.1413	10603537.3170250766	-39.78427061953338	-101.6302731	274761.2443269126	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
210	4007	300650	-233001.1413	10603537.3170250766	-39.78428664857271	-101.6279265	274962.2764554973	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
211	4007	300651	-232341.1413	10603537.3170250766	-39.7843026327598	-101.6255798	275163.300427808	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
212	4007	300652	-231681.1413	10603537.3170250766	-39.78431857064319	-101.6232332	275364.3281889154	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
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214	4007	300654	-230361.1413	10603537.3170250766	-39.784350311369195	-101.6185399	275766.3837085756	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
215	4007	300655	-229701.1413	10603537.3170250766	-39.784366131727957	-101.6161933	275967.4109225547	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
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218	4007	300658	-227721.1413	10603537.3170250766	-39.78441324876994	-101.6091533	276570.491245374	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
219	4007	300659	-227061.1413	10603537.3170250766	-39.7844291890072	-101.6067926	276781.5187733689	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
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221	4007	300661	-225741.1413	10603537.3170250766	-39.78445997581924	-101.6021134	277173.5668573365	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
222	4007	300662	-225081.1413	10603537.3170250766	-39.78447546082396	-101.5997667	277374.5952630105	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
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226	4007	300666	-222441.1413	10603537.3170250766	-39.78453747478373	-101.5903801	278178.6540294248	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
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239	4007	300679	-213861.1413	10603537.3170250766	-39.78473176840689	-101.5598735	280792.0032652234	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
240	4007	300680	-213201.1413	10603537.3170250766	-39.78474643835274	-101.5575268	280993.0202135976	4407172.906	3487.77653160297	3288.48632723574	3235.560928706473	3237.510681779972	52.92540407100846	50.97565094504192
241	4007	300681	-2125											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg.f	BR/ElevBoth.kg.f	SatThLogs.f	SatThBoth.kg.f
323	407	300763	-158421.1413	10603537.3170250766	39.75850591364852	-101.3627593	297677.09683864745	4066654.576354159	3349.065711259892	3124.676461361927	3052.4813975143747	3052.3243017437057	72.19506348755232	72.35215961822132
324	407	300764	-157761.1413	10603537.3170250766	39.7586167174199176	-101.3604305	297876.1013561355	4066650.478084418	3343.284517146895	3123.432925151458	3050.140036	3044.9315592243393	73.2920869471549	73.5173629075772
325	407	300765	-157101.1413	10603537.3170250766	39.7586827864120515	-101.3580566	298079.1058784746	4066654.0747423314	3337.503122369114	3122.247248717843	3047.701234078763	3047.4394325785215	74.54601162894796	74.80781527521276
326	407	300766	-156441.1413	10603537.3170250766	39.75853835928335	-101.355571	298280.1095801704	406642.282	3331.722117271495	3121.110021397226	3045.209674827596	3040.9318219321063	75.7907131212539	76.1794309061631
327	407	300767	-155781.1413	10603537.3170250766	39.75864098381688	-101.3533633	298481.11342278647	4066638.184733371	3328.963244148543	3120.0100125471784	3042.5660279991518	3042.390678707735	77.44998465856659	77.7009383998346
328	407	300768	-155121.1413	10603537.3170250766	39.758569763011295	-101.3510166	298682.11705039244	4066634.084735145	3329.235946515193	3118.9305729530954	3039.927766657142	3038.6942801911882	79.010626738121	79.2415927690721
329	407	300769	-154461.1413	10603537.3170250766	39.75887036866066	-101.3488668	298883.1205	4066629.5866606	3329.505561288522	3117.8765378063063	3037.076604572282	3036.855866938108	80.79993232902419	81.071796934
330	407	300770	-153801.1413	10603537.3170250766	39.7588958352796	-101.3463231	299084.12371493044	4066625.935964345	3328.775159125587	3116.8208216892117	3033.8032017620597	3033.555962606987	83.0176190715204	83.26112242851605
331	407	300771	-153141.1413	10603537.3170250766	39.758875152856545	-101.3438973	299295.12685219414	4066621.796989778	3328.503210246574	3115.79563344683	3030.418294378103	3030.159628466569	85.5896498512382	85.8799655959023
332	407	300772	-152481.1413	10603537.3170250766	39.75890220640289	-101.3416236	299496.129632005	406617.70073957	3328.050581915826	3114.6675622041457	3027.078758	3026.8029915024883	87.58709747	87.8646115
333	407	300773	-151821.1413	10603537.3170250766	39.758917428901544	-101.3392828	299687.132338074	406613.406403949	3328.053509530496	3113.5353811023256	3024.031066232405	3024.7181634573803	89.5022744782075	89.79354264493213
334	407	300774	-151161.1413	10603537.3170250766	39.7589228860697	-101.3369361	299888.134787025	406615.500750035	3327.96153252646	3112.3662731414827	3021.26649030527	3021.0048047004383	91.0697826315581	91.3318924104642
335	407	300775	-150501.1413	10603537.3170250766	39.75893234788117	-101.3345884	300089.13704240605	406609.415153813	3326.994801173194	3111.0494114827228	3018.7092288223996	3018.448847049596	92.7601275558718	92.6005442667653
336	407	300776	-149841.1413	10603537.3170250766	39.7589435632135	-101.3324246	300290.1390975845	406601.317799971	3325.56414229995	3109.6594944284194	3016.037892176535	3016.4342796492783	93.62905426628438	93.8226695354264
337	407	300777	-149181.1413	10603537.3170250766	39.75895383550381	-101.3299899	300481.1406603625	406597.222899988	3324.1334014299585	3108.19433100598	3104.135154	3013.0378213489935	95.695918046	95.12625166
338	407	300778	-148521.1413	10603537.3170250766	39.75896406130621	-101.3274911	300692.1428276664	406593.127821096	3322.70211553296	3106.85330092066	3009.96913805488	3010.0079518761121	96.6833952774872	96.64535719726882
339	407	300779	-147861.1413	10603537.3170250766	39.75897442176929	-101.3252024	300893.141000743	406589.03196047	3321.3093216216919	3105.0617879508605	3008.2524648349336	3006.358676	98.8093413026268	98.79311325692047
340	407	300780	-147201.1413	10603537.3170250766	39.758984376893026	-101.3228556	301094.1453777953	406584.93813912	3319.95326163959	3103.47210406506	3000.67193030652	3000.595737042815	102.7870200965418	102.877477022245
341	407	300781	-146541.1413	10603537.3170250766	39.758994466677414	-101.3205089	301295.146461035	406580.864476843	3318.59721461247	3101.7903764987045	2994.1786582013333	2993.68435165353	103.716182973123	103.1600313335144
342	407	300782	-145881.1413	10603537.3170250766	39.76000451112244	-101.3181621	301496.14734999614	406576.750737834	3317.24111662925	3100.1256062914704	2992.8931044175033	2992.8931044175033	107.23340187396707	107.5887285007151
343	407	300783	-145221.1413	10603537.3170250766	39.7601451022805	-101.3158154	301687.1480480941	406572.657124914	3315.034776826047	3098.405946406363	2992.843610481855	2992.843610481855	108.7707235679205	108.7707235679205
344	407	300784	-144561.1413	10603537.3170250766	39.7602444395429	-101.3134886	301898.1485459218	406568.56714359	3311.978107124624	3096.76625488174	2992.7597691066034	2992.7597691066034	110.7655344395701	110.8444162995631
345	407	300785	-143921.1413	10603537.3170250766	39.76115920760102	-101.3109414	302185.149056879	406564.70346675	3308.9514742331025	3094.78573050484	2992.511204143396	2992.511204143396	113.1348473788915	113.1348473788915
346	407	300786	-143241.1413	10603537.3170250766	39.7604423550841	-101.3087751	302300.1486722336	406560.5738	3305.864775777777	3093.360458040773	2995.070547042684	2994.962737738306	128.98290146172307	128.98290146172307
347	407	300787	-142581.1413	10603537.3170250766	39.76065403525624	-101.3064284	302501.1488879064	406558.284339904	3302.851745546424	3091.624714556574	2997.351886035754	2997.6172421007402	146.296852082195	146.296852082195
348	407	300788	-141921.1413	10603537.3170250766	39.7606382566466	-101.3040816	302702.1485155254	406552.192500793	3299.88170989474	3089.8474294686373	3000.4857077045867	3000.707945164558	160.36172176	160.36172176
349	407	300789	-141261.1413	10603537.3170250766	39.76073355273355	-101.3017348	302903.1481505769	406549.10304527	3300.8204511901174	3004.1276887194068	3004.820762435574	3004.820762435574	183.791427665587	183.791427665587
350	407	300790	-140601.1413	10603537.3170250766	39.7606832446292	-101.2993881	303104.174492559	406540.008351098	3324.3406215985795	3086.051919787715	3007.587349601156	3007.70388411039	198.78441848829595	198.78441848829595
351	407	300791	-139941.1413	10603537.3170250766	39.7606289708573	-101.2970413	303305.1464213347	406538.143408119	3328.991781684685	3083.64563979565	3007.8404564446404	3007.8404564446404	213.144536254347	213.144536254347
352	407	300792	-139281.1413	10603537.3170250766	39.761129190296	-101.294614	303508.145596922	406535.825	3328.76261466777	3081.68794530143	3003.1498018165684	3003.1498018165684	231.68177737473	231.68177737473
353	407	300793	-138621.1413	10603537.3170250766	39.761120761362	-101.2923478	303707.143455452	406531.733747185	3324.633862285614	3079.2780490004475	3015.352739150571	3015.013562156448	253.65474487653	253.65474487653
354	407	300794	-137961.1413	10603537.3170250766	39.7612157984066	-101.2900011	303908.1429301261	406527.643	3267.50518211014	3076.763146843326	3016.586753141116	3016.121959354016	260.176673322103	260.176673322103
355	407	300795	-137301.1413	10603537.3170250766	39.7613096301615	-101.2876543	304109.132138586	406523.55226154	3264.01427495873	3074.17955676322	3017.448220365295	3017.283302609442	266.5686254033105	266.5686254033105
356	407	300796	-136641.1413	10603537.3170250766	39.76140372797976	-101.2853075	304310.139121697	406519.84172956	3264.161327754945	3071.5503244762253	3017.670448159523	3017.715147142107	272.53897766027299	272.53897766027299
357	407	300797	-135981.1413	10603537.3170250766	39.7614973070012	-101.2829088	304511.1371177443	406515.21745729	3264.3063805240262	3068.899106403503	3017.85811266504	3018.343547487129	281.5305951336999	281.5305951336999
358	407	300798	-135321.1413	10603537.3170250766	39.761592076102	-101.280414	304712.132140745	406511.2814647476	3264.4545423351025	3066.207172212255	3017.86673050484	3017.86673050484	293.44036217070819	293.44036217070819
359	407	300799	-134661.1413	10603537.3170250766	39.7616833	-101.2782673	304913.1329837266	406507.91967538	3302.8446984326564	3063.5125712114323	3017.790143458436	3018.456151008858	312.4722777	312.4722777
360	407	300800	-134001.1413	10603537.3170250766	39.7617755807848	-101.2759205	305114.130355804	406503.102170835	3302.28252675414	3060.800737	3017.5231865604255	3018.13096282163	323.836502834306	323.836502834306
361	407	300801	-133341.1413	10603537.3170250766	39.7617861407183	-101.2735737	305315.1276025344	406499.01288036	3259.118903007626	3057.9402305524	3017.81695473215	3017.81695473215	340.8643126620935	340.8643126620935
362	407	300802	-132681.1413	10603537.3170250766	39.7619587872543	-101.271227	305516.124648307	406494.923847915	3256.954530711017	3055.367251031623	3017.420410513002	3017.420410513002	347.8411280972139	347.8411280972139
363	407	300803	-132021.1413	10603537.3170250766	39.76202497	-101.2688802	305712.1250620675	406490.8590679294	3256.025048719674	3052.6529696679294	3016.899784129633	3016.899784129633	362.2618536916595	362.2618536916595
364	407	300804	-131361.1413	10603537.3170250766	39.76214018013375	-101.2665334	305918.118	406486.74649024	3244.41024610513	3049.4732512343833	3016.945983473915	3016.945983473915	373.4403284764332	373.4403284764332
365	407	300805	-130701.1413	10603537.3170250766	39.7622397761651	-101.264014	306119.1446504494	406482.13408714	3243.94241	3048.178148481196	3016.81804458317	3016.81804458317	384.088668729827	384.088668729827
366	407	300806	-130041.1413	10603537.3170250766	39.7623175942004	-101.261839	306320.1103932287	406475.8710114918	3242.367704559857	3021.845104274553	3015.7			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	At.10286911423449	At.10286911423449	At.10286911423449
449	407	300889	-75201.14133	1060357.3170250766	39.766817292246226	-101.06705666	323002.1634794168	406140.105616543	287.277559125664	2859.998145298496	2818.9852716142617	2817.9567807897923	41.01286911423449	42.04135821052387	42.04135821052387
450	407	300890	-74601.14133	1060357.3170250766	39.76682243994261	-101.0647098	323003.1446015024	406136.373904913	287.47379269	2859.9328967378323	2820.9286965116496	2820.33348573027	37.50103026182684	38.49058164880522	38.49058164880522
451	407	300891	-73841.14133	1060357.3170250766	39.76682742239806	-101.0623452	323004.1256519069	406131.9704382789	288.273965432878	2859.87239674827437	2820.9286965116496	2820.33348573027	37.50103026182684	38.49058164880522	38.49058164880522
452	407	300892	-73201.14133	1060357.3170250766	39.76683529931242	-101.0600162	323005.1063306953	406126.3370302763	289.7961157180795	2859.697437982679	2823.9626770506867	2823.714562504293	37.50103026182684	38.49058164880522	38.49058164880522
453	407	300893	-72621.14133	1060357.3170250766	39.76683710985835	-101.0576694	323006.08683811	406123.8676377	291.644391732105	2859.57708864502665	2840.6715442866157	2840.1966374208423	15.09934216650807	15.574280149242409	15.574280149242409
454	407	300894	-71961.14133	1060357.3170250766	39.76684457731822	-101.0553226	324007.067347325	406119.769487245	293.33699788255	2854.96475539457	2850.78902	2850.2364962540864	1.4757349201170655	4.728291450050045	4.728291450050045
455	407	300895	-71301.14133	1060357.3170250766	39.766847498309584	-101.0529758	324208.047636976	406115.702976544	294.620206861414	2854.298915142124	2866.446485547277	2866.2647293291293	0	0	0
456	407	300896	-70641.14133	1060357.3170250766	39.76685237359593	-101.050629	324409.027342368	406111.6137	294.04340519208394	2853.791724049052	2891.029695390248	2891.187924826506	0	0	0
457	407	300897	-69961.14133	1060357.3170250766	39.76685720426923	-101.0489322	324610.706923259	406107.570898942	294.85899582269658	2853.451014713806	2910.4869141770103	2912.6303322387	0	0	0
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459	407	300899	-68661.14133	1060357.3170250766	39.766866728667004	-101.0438898	325001.367053979	406099.94387067	295.6255661410396	2853.253827921592	2911.562805054613	2912.257804715768	0	0	0
460	407	300900	-68001.14133	1060357.3170250766	39.76687142	-101.0412418	325212.9465093257	406095.374095027	295.87456038593814	2853.364106518014	2905.9682914736563	2906.3117107203415	0	0	0
461	407	300901	-67341.14133	1060357.3170250766	39.7668767209812	-101.038895	325413.9257952037	406091.3090448985	296.83354563038662	2853.582729580013	2902.114880215544	2901.9487406767585	0	0	0
462	407	300902	-66681.14133	1060357.3170250766	39.76688067570206	-101.0365482	325614.904273596	406087.24236678	297.0254887573506	2853.847601460506	2900.109005923038	2899.811958912914	0	0	0
463	407	300903	-66021.14133	1060357.3170250766	39.76688523964895	-101.0342014	325815.8837324614	406083.179673049	297.84490259615686	2854.278321647473	2897.87735894276	2897.28629072606	0	0	0
464	407	300904	-65361.14133	1060357.3170250766	39.7668914689862	-101.0318545	326016.8625	406079.11534908	299.0401681210196	2854.853121465549	2899.669724451956	2899.28550530606	0	0	0
465	407	300905	-64701.14133	1060357.3170250766	39.76689421446725	-101.029077	326217.841035564	406070.051263347	300.133368048076	2855.080026656523	2899.8335982771713	2899.68836363934	0	0	0
466	407	300906	-64041.14133	1060357.3170250766	39.76689863670675	-101.0271609	326418.8194340126	406060.754742256	301.3230445639021	2855.53097	2899.356962799642	2899.624228706345	0	0	0
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468	407	300908	-62721.14133	1060357.3170250766	39.76690734516237	-101.0224673	326820.757267656	406062.860466853	303.0552576222956	2856.427108	2893.7652519739836	2894.158490641719	0	0	0
469	407	300909	-62061.14133	1060357.3170250766	39.7669116317384	-101.0201205	327002.75361929004	406058.79735172	304.3970680240613	2856.861182676628	2888.05054836933	2888.68536934983	0	0	0
470	407	300910	-61401.14133	1060357.3170250766	39.76691587225339	-101.0177373	327221.7334506325	406054.734478427	304.446914253627	2857.278175614671	2880.950406046806	2881.62485703297	0	0	0
471	407	300911	-60741.14133	1060357.3170250766	39.76692076787135	-101.0154913	327426.6967787135	406050.8748183684	305.6748183684	2857.406825117181	2877.406825117181	2877.406825117181	0	0	0
472	407	300912	-60081.14133	1060357.3170250766	39.7669242157974	-101.0130801	327624.682938471	406046.604957311	305.80459045081704	2858.054454	2864.1274575928707	2865.014067194718	0	0	0
473	407	300913	-59421.14133	1060357.3170250766	39.76692832231166	-101.0107333	327825.6635172691	406042.547309477	305.9166989292143	2858.392103791683	2854.723480271009	2856.090717144953	3.668640108159252	2.3014016646729942	2.3014016646729942
474	407	300914	-58761.14133	1060357.3170250766	39.76693238234131	-101.0083865	328026.604536621	406040.348540342	307.045243455017	2858.70684718003	2844.738057283285	2846.038247599022	13.968927488515419	12.66874001189808	12.66874001189808
475	407	300915	-58101.14133	1060357.3170250766	39.76693639651041	-101.0060396	328227.6174632291	406038.3423739201	308.68194835933	2858.98910627486	2844.082771466412	2834.9051473697145	24.0833638084618	24.0833638084618	24.0833638084618
476	407	300916	-57441.14133	1060357.3170250766	39.76694036538225	-101.0036828	328428.5941861748	406030.362316744	309.133833869506	2859.23719837347	2825.184617662397	2825.6935477239967	34.0520320133963	33.54395144990510	33.54395144990510
477	407	300917	-56781.14133	1060357.3170250766	39.766944268924834	-101.001346	328629.57427075	406026.301139684	309.816518737248	2859.45167018197	2819.42684235349	2819.42684235349	39.826027458040034	39.826027458040034	39.826027458040034
478	407	300918	-56121.14133	1060357.3170250766	39.7669481669702	-100.999892	328830.1471330223	406022.240197157	309.816518737248	2859.45167018197	2819.42684235349	2819.42684235349	39.826027458040034	39.826027458040034	39.826027458040034
479	407	300919	-55461.14133	1060357.3170250766	39.766951999774395	-100.9966524	329031.52335734574	406018.179500044	309.816518737248	2859.45167018197	2819.42684235349	2819.42684235349	39.826027458040034	39.826027458040034	39.826027458040034
480	407	300920	-54801.14133	1060357.3170250766	39.7669557827333	-100.9943056	329232.9494158123	406014.119044066	309.816518737248	2859.45167018197	2819.42684235349	2819.42684235349	39.826027458040034	39.826027458040034	39.826027458040034
481	407	300921	-54141.14133	1060357.3170250766	39.7669595293503	-100.9919588	329433.4753088199	406010.059	309.816518737248	2859.45167018197	2819.42684235349	2819.42684235349	39.826027458040034	39.826027458040034	39.826027458040034
482	407	300922	-53481.14133	1060357.3170250766	39.7669632613948	-100.989612	329634.1035103766	406006.99859209	302.9411056912976	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
483	407	300923	-52821.14133	1060357.3170250766	39.7669668757865	-100.9872651	329835.4265987563	406003.93128831	302.9411056912976	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
484	407	300924	-52161.14133	1060357.3170250766	39.76697044236755	-100.9849183	330036.40119671505	405997.98	302.9411056912976	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
485	407	300925	-51501.14133	1060357.3170250766	39.7669740443324	-100.9825715	330237.3722881013	405993.029393582	300.8722319630168	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
486	407	300926	-50841.14133	1060357.3170250766	39.7669775594861	-100.9802247	330438.3522969003	405989.761385105	300.8722319630168	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
487	407	300927	-50181.14133	1060357.3170250766	39.76698102922714	-100.9778779	330639.3226003766	405986.148629431	299.1564771836234	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
488	407	300928	-49521.14133	1060357.3170250766	39.7669846456551	-100.9755311	330840.3019402313	405981.64104336	299.1564771836234	2860.046784	2846.4980251640595	2849.0765275266394	39.826027458040034	39.826027458040034	39.826027458040034
489	407	300929	-48861.14133	1060357.3170250766	39.76698783404701	-100.9731843	331041.2765	405977.58582414	297.327290111005	2859.9831159185486	2847.033104194236	2847.033104194236	39.826027458040034	39.826027458040034	39.826027458040034
490	407	300930	-48201.14133	1060357.3170250766	39.76699116809722	-100.9708734	331242.25097708927	405973.57785058	296.473052442925	2859.812549524259	2847.033104194236	2847.033104194236	39.826027458040034	39.826027458040034	39.826027458040034
491	407	300931	-47541.14133	1060357.3170250766	39.7669944236755	-100.9685215	331443.2251981344	405969.449898359	296.473052442925	2859.812549524259	2847.033104194236	2847.033104194236	39.826027458040034	39.826027458040034	39.826027458040034
492	407	300932	-46881.14133												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRLEvBothKrg.ft	BRLEvBothKrg.ft	SatThkLogs.ft	SatThkBoth.ft
575	407	101015	7898.858673073351	000357.3170250766	36.78710883940664	-007.713577	348324.49965690333	0405629.4769692255	2866.28209777346	2740.5032430832475	2741.6615087154632	0	0
576	407	101018	8558.858673073351	000357.3170250766	36.787108274069748	-007.769109	348925.4066857397	0405625.439088162	2863.318306029275	2701.914035263234	2737.90150416	0	0
577	407	101019	7818.858673073351	000357.3170250766	36.78710768433129	-007.766641	348726.4162549578	0405621.40262315	2860.354663411887	2738.5806420824	2738.032701	0	0
578	407	101016	9878.858673073351	000357.3170250766	36.78710770473134	-007.7643172	348927.38243676187	0405627.765776719	2857.201704411807	2730.900265706686	2732.38790141806	0	0
579	407	101019	10538.858673073351	000357.3170250766	36.78710630608981	-007.7619704	349128.310206887	0405613.3291920135	2855.549689116248	2694.8963717546612	2728.2238938467676	2729.823030162373	0
580	407	101020	11198.858673073351	000357.3170250766	36.7871055569478	-007.7596236	349329.3063245172	0405609.28689184	2854.830891970601	2692.95475245959	2725.5433042177706	2727.187305101894	0
581	407	101021	11858.858673073351	000357.3170250766	36.78710476738219	-007.7572768	349530.2639992017	0405605.2567852475	2854.112094824954	2690.3153631710026	2723.2003926601456	2724.85489013745007	0
582	407	101022	12158.858673073351	000357.3170250766	36.78710390301607	-007.7545299	349731.2242302962	0405601.2209431168	2853.392567979307	2688.061543494114	2721.05327738372	2722.6554619229867	0
583	407	101023	12418.858673073351	000357.3170250766	36.7871034730845	-007.7525813	349952.1564179276	0405597.1853418197	2852.227874760875	2685.8178177453726	2719.243684814206	2720.702842	0
584	407	101024	12838.858673073351	000357.3170250766	36.787110211925920	-007.7502283	350133.1442589453	0405593.1498981574	2850.615834215295	2683.60068321967	2717.7505295116969	2719.1188920459253	0
585	407	101025	14498.858673073351	000357.3170250766	36.787101145868004	-007.7478895	350334.10456680033	0405589.114862042	2849.003790954503	2681.404412664375	2716.5558514062836	2717.613304040433	0
586	407	101026	15158.858673073351	000357.3170250766	36.787100127136355	-007.7455427	350535.06371014027	0405585.07998337	2847.3917476937113	2679.2913673484734	2715.80708929639	2716.485544628493	0
587	407	101027	15818.858673073351	000357.3170250766	36.78709900362634	-007.7431958	350736.02322141244	0405581.05435458	2845.339898785478	2677.0476710847084	2713.7529423599667	2713.459823822447	0
588	407	101028	16478.858673073351	000357.3170250766	36.78709793646814	-007.740849	350936.862681351	0405577.01094368	2842.848190229035	2674.908991266932	2715.1274161092465	2715.29874719585	0
589	407	101029	17138.858673073351	000357.3170250766	36.7870968	-007.7389022	351137.9419116881	0405565.7276790122	2840.356996491297	2672.5276052343504	2717.745725681093	2718.614622964801	0
590	407	101030	17798.858673073351	000357.3170250766	36.7870955897196	-007.7361554	351338.9009271404	0405568.942874654	2837.864809118455	2670.734016654305	2720.123645451685	2721.440180542845	0
591	407	101031	18458.858673073351	000357.3170250766	36.7870943335187	-007.7338085	351539.859296418	0405564.90199975	2831.061842875104	2668.698911480058	2722.64597747377	2724.315968098104	0
592	407	101032	19118.858673073351	000357.3170250766	36.787093057052	-007.7314617	351740.818747473	0405560.87576072	2819.94700940746	2666.60355580528	2725.428951154713	2727.403791885953	0
593	407	101033	19778.858673073351	000357.3170250766	36.7870917264765	-007.7291149	351941.773768275	0405562.85275237	2808.83335913045	2664.56237643865	2727.947881755985	2730.1485831224372	0
594	407	101034	20438.858673073351	000357.3170250766	36.78709034	-007.726781	352142.7358689674	0405552.809620564	2797.791170174026	2662.534637779657	2729.129035093143	2731.4271310221925	0
595	407	101035	21098.858673073351	000357.3170250766	36.78708891817744	-007.7242213	352343.6945248874	0405548.7769084925	2793.740725864187	2660.52015689283	2725.974888777935	2727.89428477783	0
596	407	101036	21758.858673073351	000357.3170250766	36.7870874460037	-007.7220744	352544.6524810126	0405544.74430662	2796.8581562573441	2658.5185029179734	2714.777591246865	2715.34011206881	0
597	407	101037	22418.858673073351	000357.3170250766	36.787086111123	-007.7199219	352746.6258961022	0405540.688089827	2798.525648519518	2657.491719593157	2713.63965829035	2717.64868496175	0
598	407	101038	23078.858673073351	000357.3170250766	36.78708436571087	-007.7179308	352946.568508436	0405536.6802184945	2803.210403453305	2654.55428495525	2697.2355185173296	2697.602853742066	0
599	407	101039	23738.858673073351	000357.3170250766	36.78708275753902	-007.715034	353147.5263102422	0405532.6484697583	2804.25069025103	2652.5905736246104	2692.38200020898	2693.607143432534	0
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601	407	101041	25058.858673073351	000357.3170250766	36.78707940517088	-007.7103403	353549.4414908344	0405524.58	2802.0861148963182	2648.694287607052	2683.8407246866236	2686.4017208114357	0
602	407	101042	25718.858673073351	000357.3170250766	36.78707766097457	-007.7079395	353750.3988700397	0405520.545667876	2801.003827179154	2646.7603207499183	2680.001146395334	2683.072716712285	0
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604	407	101044	27038.858673073351	000357.3170250766	36.7870754355574	-007.7032998	354122.11207112	0405512.7330598	2797.9793824498743	2644.1171984212595	2677.155057823998	2675.046818469587	0
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606	407	101046	28358.858673073351	000357.3170250766	36.787072077462	-007.6986062	354554.226684805	0405504.43296812	2793.875011078902	2639.10258221301	2664.80913497486	2668.80317564984	0
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608	407	101048	29678.858673073351	000357.3170250766	36.7870664362585	-007.6939126	354965.14020307307	0405496.37362197	2780.939336837273	2635.1312645691813	2657.776940185135	2661.4650151640633	0
609	407	101049	30338.858673073351	000357.3170250766	36.78706416203595	-007.6915896	355157.09664047633	0405494.24220138	2773.039464161143	2632.4345903391	2654.7771255963414	2658.307780303524	0
610	407	101050	30998.858673073351	000357.3170250766	36.78706297511123	-007.689219	355356.0526961022	0405488.315	2765.073962580518	2631.539624217564	2657.007384228664	2657.007384228664	0
611	407	101051	31658.858673073351	000357.3170250766	36.7870609284175	-007.6868721	355559.089895256	0405482.286279058	2757.567406876258	2629.68526818538	2650.33121829251	2654.108971181624	0
612	407	101052	32318.858673073351	000357.3170250766	36.78705725230824	-007.6845253	355759.964973234	0405480.257637697	2750.514451573496	2627.7783434754124	2647.6706878216864	2651.2250518473013	0
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615	407	101055	34298.858673073351	000357.3170250766	36.78705086034945	-007.6774849	356362.8320967285	0405468.173205577	2731.3584602784054	2622.1199743633338	2641.2030302276	2644.1087132126603	0
616	407	101056	34958.858673073351	000357.3170250766	36.787048481372821	-007.675138	356563.785287696	0405464.145626796	2728.392532589436	2620.224307400906	2638.179849852045	2641.959747831373	0
617	407	101057	35618.858673073351	000357.3170250766	36.7870467154547	-007.6728623	356769.8420176547	0405460.181453432	2726.491181453432	2618.321919844797	2636.1840325273804	2640.732962317904	0
618	407	101058	36278.858673073351	000357.3170250766	36.787043739521	-007.6704444	356955.697805287	0405456.00068354	2722.406649	2616.412323865003	2637.180799053013	2639.496521965455	0
619	407	101059	36938.858673073351	000357.3170250766	36.78704107	-007.6680976	357166.853000632	0405452.0640322715	2716.981222669431	2614.4958679170777	2636.491579458383	2638.4518502501354	0
620	407	101060	37598.858673073351	000357.3170250766	36.78703851205201	-007.6657508	357367.6078837597	0405450.837336542	2714.96405378896	2612.5726974681393	2636.2790034296236	2637.919913016685	0
621	407	101061	38258.858673073351	000357.3170250766	36.78703591	-007.663404	357568.562301929	0405444.01088132	2710.99888491301	2610.640298316933	2636.603823169383	2637.9805055858046	0
622	407	101062	38918.858673073351	000357.3170250766	36.7870325534317	-007.6610571	357769.51724013896	0405439.94466628	2707.93771603706	2608.702380909592	2637.484573894124	2638.68570371994	0
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624	407	101064	40238.858673073351	000357.317									

Yr	Id	Yr	Latitude	Longitude	UTM_X	UTM_Y	SurfElev_h	WLR	BrewElevLogskg_h	BrewElevBth_h	SatBthLogskg_h	SatBthBth_h
701	40111	91058586730335	1006353710250766	97668054612391	-10.476593	376444.5178567592	1274.026212946076	2704.88211843394	2584.748078355466	2552.7431711234935	320.00481123197258	31.762885052670032
702	40112	91118586730335	1006353710250766	97666742761121	-10.4732135	373845.4622131907	1405.116.65942695	2714.756614317007	2584.2299547148655	2554.468055329772	254.493396	29.76144339953023
703	40113	92378586730335	1006353710250766	97666794	-10.4709567	374046.4054508154	1405.116.65942695	2716.62657115707	2583.6566733894174	2556.326481777836	256.3642071469426	27.31393916158514
704	40114	9304308586730335	1006353710250766	97666168	-10.4668189	374247.350568064181	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
705	40115	93698586730335	1006353710250766	97666515	-10.4662721	374363.6568518509	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
706	40116	9372730335	1006353710250766	97667335	-10.4649236	374392.69917	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
707	40117	95018586730335	1006353710250766	97666419613746	-10.4615786	374580.1802273701	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
708	40118	95018586730335	1006353710250766	976665365478077	-10.4592318	375051.125849305	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
709	40119	96383586730335	1006353710250766	9766650005843	-10.456885	375252.06863271606	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
710	40120	96998586730335	1006353710250766	97666240905043	-10.4545382	375453.012779158	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
711	40121	97698586730335	1006353710250766	97666157226603	-10.4521914	375693.5965965904	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
712	40122	97730335	1006353710250766	976661737335	-10.4497978	375845.822304507	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
713	40123	9858730335	1006353710250766	9766621388827	-10.4474978	375965.8622304507	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
714	40124	99638586730335	1006353710250766	976659539148808	-10.44515	376256.7852163951	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
715	40125	10028586730335	1006353710250766	976658852374734	-10.4428042	376457.7280324168	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
716	40126	100958586730335	1006353710250766	97665811666262	-10.4404574	376686.6708312002	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
717	40127	10118586730335	1006353710250766	9766574622047	-10.4381107	376899.613411378	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
718	40128	10148586730335	1006353710250766	9766567459486	-10.4359114	377109.6523304328	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
719	40129	10152938586730335	1006353710250766	976655903957676	-10.4334171	377361.498227181	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
720	40130	101603958586730335	1006353710250766	976655350439242	-10.4310703	377610.4504596246	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
721	40131	101614028586730335	1006353710250766	97665536514868	-10.4287235	377663.382575881	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
722	40132	10161408586730335	1006353710250766	976653918002499	-10.4263767	377864.3245476416	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
723	40133	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
724	40134	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
725	40135	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
726	40136	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
727	40137	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
728	40138	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
729	40139	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
730	40140	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
731	40141	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
732	40142	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
733	40143	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
734	40144	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
735	40145	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
736	40146	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
737	40147	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
738	40148	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
739	40149	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
740	40150	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
741	40151	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
742	40152	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
743	40153	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
744	40154	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
745	40155	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
746	40156	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
747	40157	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
748	40158	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
749	40159	101658586730335	1006353710250766	976653149595989	-10.4242099	378065.2664612164	1405.116.65265069	2712.043697791102	2583.030789933651	2556.290368807275	258.162692700827	24.74042117782927
750	40160	101658586730335	1006									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElev.f	SurfBot.f
87	40	31627	-31481.1413	106107.1310250766	38.78378791843245	-101.9156824	25028.23325624297	407829.9240266868	448.438643899739	3409.9673457981974	3357.296384457536	3357.322614725134	52.66096134066129	52.6374107306345
88	40	31628	-31523.1413	106107.1310250766	38.78380947877902	-101.9142326	25043.2896671608	407825.78181569	3409.334085950454	3407.154206769316	3348.438485766521	3357.2325058086	58.7120891410456	59.2898741712583
89	40	31629	-31561.1413	106107.1310250766	38.78383093767065	-101.9134893	25040.34623344754	407821.81241317	3408.148273098828	3404.30073989828	3343.42704483313	3342.78623813364	61.56414608163694	61.56414608163694
90	40	31630	-31601.1413	106107.1310250766	38.78385246345223	-101.9095427	25041.40235096117	407817.4567102	3501.030489950558	3401.01864849526	3347.156097633927	3348.7247210063927	53.250892896133294	52.7117166820651
91	40	31631	-31641.1413	106107.1310250766	38.78387388778958	-101.9071962	25104.25822335934	407813.301399294	3501.4967153134689	3398.4645268778657	3353.279002800097	3354.87677854245	45.1855241777681	43.58754912360473
92	40	31632	-31681.1413	106107.1310250766	38.78389526679404	-101.9048496	25102.453313849485	407809.14620799	3499.5676133674459	3395.493731711348	3357.594547242227	3359.058243711394	37.899232047115	35.3521800539569
93	40	31633	-31721.1413	106107.1310250766	38.7839166046556	-101.902503	25144.5692306303	407804.991430632	3497.648216020216	3392.4971647753746	3361.065263020797	3364.143661645857	31.431901754577666	28.35302159217776
94	40	31634	-31761.1413	106107.1310250766	38.783937888804076	-101.9001565	25165.62436951653	407801.78389815025	3496.7158893298	3398.478317067514	3364.058933282727	3366.68743043295	25.419383144641415	22.790691637291897
95	40	31635	-31801.1413	106107.1310250766	38.78395915189061	-101.8978709	25186.6752559184	407796.824845037	3496.123698192657	3396.442815985554	3366.601879289858	3369.3463897304083	17.096487287145517	15.096487287145517
96	40	31636	-31841.1413	106107.1310250766	38.78398034240204	-101.8956434	25204.77390062835	407792.528320248	3492.126956678905	3393.35424750137	3369.8201293	3371.2614565337	14.59422203148337	12.13302509646625
97	40	31637	-31881.1413	106107.1310250766	38.7840018182142	-101.8931168	25224.8788038664	407788.374	3473.710005166785	3380.34762919366	3370.762393285628	3373.10033	9.58137006380473	7.24343135846742
98	40	31638	-31921.1413	106107.1310250766	38.7840255882764	-101.8907702	25249.84245623434	407784.228004952	3465.29054481696	3377.2926640481696	3372.546110275117	3374.5427923602138	7.4655373	2.7498716879558742
99	40	31639	-31961.1413	106107.1310250766	38.78404365050066	-101.8884237	25265.89636713843	407780.04741764	3457.33630501886	3374.2532043011173	3374.191751019664	3378.068688720396	0.00536341	0.00536341
100	40	31640	-32001.1413	106107.1310250766	38.7840646664048	-101.8860771	25281.95003378714	407774.14269546	3449.809357111508	3371.2054667360344	3375.7922187798767	3377.3485207478007	0.0052847	0.0052847
101	40	31641	-32041.1413	106107.1310250766	38.78408591	-101.8837305	25303.0034563854	407771.761398254	3442.2918495204153	3368.17276798504	3377.091853761419	3378.457019391644	0.0052847	0.0052847
102	40	31642	-32081.1413	106107.1310250766	38.7841056332023	-101.881384	25325.0563514179	407767.608713973	3434.714746	3365.162904391585	3376.01862664833	3379.1023363064	0.0052847	0.0052847
103	40	31643	-32121.1413	106107.1310250766	38.7841274386013	-101.8790374	25345.057026132	407763.45630699	3428.004401806838	3362.16013780498	3378.362514	3379.26943324204	0.0052847	0.0052847
104	40	31644	-32161.1413	106107.1310250766	38.7841482788664	-101.876908	25366.1626194504	407759.304	3421.97965941	3359.1671395497897	3377.795711266647	3378.77906725604	0.0052847	0.0052847
105	40	31645	-32201.1413	106107.1310250766	38.7841690853968	-101.8743443	25385.217401618	407755.152217677	3415.9529867169	3356.185764848537	3375.9584448799123	3376.71251336107	0.0052847	0.0052847
106	40	31646	-32241.1413	106107.1310250766	38.78419881287929	-101.8719977	25408.26691586626	407751.001	3409.93040320106	3353.27812474304	3372.940544128721	3373.59800862337	0.0052847	0.0052847
107	40	31647	-32281.1413	106107.1310250766	38.78420511885384	-101.8696511	25429.3188785086	407749.88111436	3408.75743501927	3350.265183257924	3368.83125994854	3369.42749176081	0.0052847	0.0052847
108	40	31648	-32321.1413	106107.1310250766	38.78422115555793	-101.8673045	25450.3705985404	407746.697925519	3412.43478939047	3347.239967447731	3363.988934995058	3364.5269261074002	0.0052847	0.0052847
109	40	31649	-32361.1413	106107.1310250766	38.784237886881	-101.8649818	25481.4229184821	407743.546818421	3410.141657186907	3344.141456	3364.18266921186714	3362.45240967855	16.6653188198111	14.6653188198111
110	40	31650	-32401.1413	106107.1310250766	38.78425373699227	-101.8626114	25486.2743116337	407743.39628859	3418.789481756265	3341.5217892614265	3353.418510969793	3353.55453526754	0.0052847	0.0052847
111	40	31651	-32441.1413	106107.1310250766	38.78427265457387	-101.8602648	25503.5243051068	407740.8487272778	3342.8487272778	3338.655057026471	3347.872389973504	3348.07516	0.0052847	0.0052847
112	40	31652	-32481.1413	106107.1310250766	38.7843132691182	-101.8579182	25524.5751	407736.09563175	3419.28955274839	3335.81852596072	3342.3704623780327	3342.61560486044	0.0052847	0.0052847
113	40	31653	-32521.1413	106107.1310250766	38.78433753916016	-101.8555716	25545.625669225	407731.96570242	3417.730988701	3333.0173074573627	3336.92759187123	3337.10052710224	0.0052847	0.0052847
114	40	31654	-32561.1413	106107.1310250766	38.78435413558642	-101.853225	25566.678356829	407727.7196	3416.17212167883	3330.257109179107	3331.542610361763	3331.760281467674	0.0052847	0.0052847
115	40	31655	-32601.1413	106107.1310250766	38.78437167192828	-101.8508768	25588.7258638275	407723.5486482154	3416.87407782644	3329.547450995206	3328.38823578806	3328.38823578806	1.59271514908044	1.59271514908044
116	40	31656	-32641.1413	106107.1310250766	38.7843937625714	-101.8485319	25608.4794725538	407719.425538	3414.141456	3328.4589349715	3320.634899415568	3324.6530239173	4.2600873730401	4.2600873730401
117	40	31657	-32681.1413	106107.1310250766	38.7844150806457	-101.8461853	25629.825295794	407705.348271397	3413.98193424375	3322.3116688749377	3315.42353416149	3315.95431235386	6.8881146878872	7.116213865951739
118	40	31658	-32721.1413	106107.1310250766	38.784435208939406	-101.8438387	25647.87460116946	407701.199533045	3412.990626742965	3319.810128	3310.358968311466	3310.7534516405477	9.581141312	9.581141312
119	40	31659	-32761.1413	106107.1310250766	38.78445533840246	-101.8414821	25667.13266625118	407697.051042032	3412.838426589394	3317.406327261155	3305.545751888814	3305.47533419449	11.860513776002	11.860513776002
120	40	31660	-32801.1413	106107.1310250766	38.7844747360706	-101.8391455	25687.97249113815	407692.700279452	3417.66477670354	3315.117899	3301.622764022326	3301.622764022326	19.075343516450403	13.70511273915698
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126	40	31666	-33041.1413	106107.1310250766	38.78459517959129	-101.8250659	25809.260496679	407668.01845035	3370.846717766345	3304.89048070136	3287.85895676356	3287.337432999693	17.031784693780052	17.52564079881207
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128	40	31668	-33121.1413	106107.1310250766	38.78463747891205	-101.8203727	25848.1547409598	407659.7562754	3304.94626047041	3303.94464784404	3280.98505754269	3280.98505754269	21.11444307171344	22.5231314568256
129	40	31669	-33161.1413	106107.1310250766	38.78465747691623	-101.8180385	25869.86144031246	407655.739489897	3304.94626047041	3303.94464784404	3280.98505754269	3280.98505754269	23.11444307171344	24.5321314568256
130	40	31670	-33201.1413	106107.1310250766	38.78467747691623	-101.815795	25893.4457590714	407651.43783418	3306.52119260761	3302.1239321011987	3280.73050369317	3280.73050369317	25.11444307171344	26.5421314568256
131	40	31671	-33241.1413	106107.1310250766	38.78469836788531	-101.8133329	25908.4937762329	407647.2882472	3296.7528927018875	3296.0041541091227	3288.7444556762857	3287.788592764767	27.0084370260178	27.0084370260178
132	40	31672	-33281.1413	106107.1310250766	38.78471325540794	-101.8109863	25928.5397	407643.142918252	3291.15214790626	3291.15214790626	3286.804988532898	3286.		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLothKrg.	BREIEvLothKrg.	SatHLothKrg.	SatHBothKrg.
23	40	3193	-23201.1413	1061017.3170250766	39.78614751247813	-01.6209071	27595.492430798	4407308.184837102	3502.387786	3720.049070378147	3208.178105160963	3207.5222917172613	61.87096521705189	62.52679320675342
214	40	3194	-23036.1413	1061017.3170250766	39.78616336058405	-01.6189044	27570.5196100718	4407308.059568894	3511.063401390683	366.74693320683	3208.1266897374513	3204.9447221757336	60.53203547241654	63.82017171363491
215	40	3195	-22970.1413	1061017.3170250766	39.78617915032684	-01.6162137	27569.5466556983	4407299.934544796	3507.470791769812	3207.470791769812	3202.519734769812	61.8748133625665	64.85168436	
216	40	3196	-22904.1413	1061017.3170250766	39.78619430078382	-01.613867	27617.5733	4407296.809764762	3517.267929	3266.1706868953806	3202.143424256444	3201.09944417312	60.4426263893646	65.0712377080872
217	40	3197	-22883.1413	1061017.3170250766	39.78621063287762	-01.6115203	27637.591985807	4407291.685228286	3518.5154737072493	3264.868308665696	3205.4576057611907	3198.633836602361	65.2343702480365	65.1283702480365
218	40	3198	-22721.1413	1061017.3170250766	39.78622629963396	-01.6091736	27657.64261111628	4407287.561	3519.763011772983	3265.3683040689834	3198.904415403877	3198.943947103686	64.66302546595762	65.1283702480365
219	40	3199	-22706.1413	1061017.3170250766	39.78623015025856	-01.6068269	27675.65218674886	4407284.6838165	3519.3069610555717	3262.277547048046	3196.7653240244797	3196.393148141935	65.1252053066901	65.3983095865239
220	40	3200	-22640.1413	1061017.3170250766	39.786257497134216	-01.6044802	27696.67804283768	4407279.31088426	3517.14731379002	3261.006764	3194.741033115854	3194.369717451675	66.2657300456661	66.6309641349446
221	40	3201	-22574.1413	1061017.3170250766	39.786273067878075	-01.6021354	27717.7036787453	4407276.188525794	3514.987675024353	3258.947693307626	3193.83961758583	3192.522413851583	66.8444261415563	67.834661415563
222	40	3202	-22508.1413	1061017.3170250766	39.7862881123435	-01.5997587	27737.729075669	4407271.0821006	3512.82933025844	3258.614198069945	3190.78135506513	3190.775334169673	67.8324623893646	67.8324623893646
223	40	3203	-22442.1413	1061017.3170250766	39.7863035335304	-01.59744	27779.7542965405	4407266.93134846	3511.120228600167	3257.5459761167085	3189.04507800593	3189.0580899511562	68.5098095011562	68.504081643713
224	40	3204	-22376.1413	1061017.3170250766	39.7863194808411	-01.5950933	27780.797268922	4407262.820319096	3508.86426080691	3256.61630263176	3187.14054300932	3187.3415788116	69.2606045201302	69.2606045201302
225	40	3205	-22310.1413	1061017.3170250766	39.786334687477564	-01.5927466	27789.80403889462	4407258.69	3508.672553257647	3255.72600833778	3185.55263255813	3185.6535554662873	70.17335478	70.17335478
226	40	3206	-22244.1413	1061017.3170250766	39.7863500153328	-01.5903999	27818.2286582056	4407254.5738779	3507.3232629839	3254.8965940483613	3184.151947657293	3184.313043414944	70.7446453106827	70.7446453106827
227	40	3207	-22178.1413	1061017.3170250766	39.786365205251316	-01.5880532	27838.8520891822	4407250.453292256	3503.017037163837	3254.901046887047	3183.3156250569264	3183.41563133664	70.6374541778345	70.6374541778345
228	40	3208	-22121.1413	1061017.3170250766	39.786380473631596	-01.5857765	27858.84770160525	4407246.331	3498.605358033368	3253.307521127135	3183.198212284376	3183.289861508243	71.1130896760335	71.1130896760335
229	40	3209	-22060.1413	1061017.3170250766	39.78639654167411	-01.5833597	27878.90096532054	4407242.2098331535	3488.192997831434	3252.330131471853	3183.356246876483	3183.876560145655	72.583845	72.583845
230	40	3210	-21980.1413	1061017.3170250766	39.78641076437882	-01.581013	27896.9645791926	4407238.084849576	3480.78045983289	351.754996104466	3185.490376792993	3185.540076792993	66.26495645	66.26495645
231	40	3211	-21914.1413	1061017.3170250766	39.78642584174757	-01.5786663	27917.94803847475	4407233.96734976	3479.967545772801	3507.99238750167	3188.169168134563	3188.1348017227494	62.8101257408236	62.8101257408236
232	40	3212	-21848.1413	1061017.3170250766	39.78644087374472	-01.5763196	27938.971273573	4407239.84647338	3478.7545677631	3250.201556695314	3191.352198617798	3191.424256791576	68.776917862488	68.776917862488
233	40	3213	-21782.1413	1061017.3170250766	39.78645586	-01.5739729	27959.945924985	4407225.7284261	3491.549076873318	3249.406811287695	3195.746079865483	3195.7008018276957	63.647012633116	63.647012633116
234	40	3214	-21716.1413	1061017.3170250766	39.7864708	-01.5716261	27979.9107100522	4407221.05054532	3497.32767987435	3248.635977658866	3200.958591045324	3200.958591045324	67.8773593333174	67.8773593333174
235	40	3215	-21650.1413	1061017.3170250766	39.78648597878439	-01.5692783	27999.9268784624	4407217.945353102	3497.154547615145	3247.949291307026	3200.958591045324	3200.958591045324	68.42921805467	68.42921805467
236	40	3216	-21584.1413	1061017.3170250766	39.78650055	-01.5669327	28019.930260267616	4407213.3654112965	3493.313300901586	3247.0521566663	3214.1403420572345	3214.15162152698	62.914736094261	62.914736094261
237	40	3217	-21518.1413	1061017.3170250766	39.78651535	-01.564586	28039.8042195635	4407209.245755375	3492.04178718966	3246.250979	3222.40592504834	3222.40592504834	63.82783197186697	63.82783197186697
238	40	3218	-21452.1413	1061017.3170250766	39.7865301385225	-01.5622392	28059.106170044	4407205.12634367	3488.769654872634	3245.40222037197	3232.04072279321	3232.04072279321	63.399495278532	63.399495278532
239	40	3219	-21386.1413	1061017.3170250766	39.7865482851546	-01.5598925	28079.1278683096	4407201.007175274	3486.5590618436734	3244.60216473505	3242.4465214765496	3244.3931913203448	64.9704969554188	64.9704969554188
240	40	3220	-21320.1413	1061017.3170250766	39.7865649784057	-01.5575498	28097.1439365824	4407196.88251038	3485.40051820486	3243.7902482205495	3227.91058402454	3229.48118391721	65.999189180591	65.999189180591
241	40	3221	-21254.1413	1061017.3170250766	39.7865794128756	-01.5551991	28118.1987173351	4407192.76987078	3484.26605767334	3242.86013807026	3226.915638134664	3226.915638134664	67.8773593333174	67.8773593333174
242	40	3222	-21188.1413	1061017.3170250766	39.78659437878439	-01.5528523	28139.9179196504	4407188.651	3483.110584136424	3242.90833650434	3226.915638134664	3226.915638134664	68.42921805467	68.42921805467
243	40	3223	-21122.1413	1061017.3170250766	39.78660323378709	-01.5505056	28160.2126374884	4407184.53241856	3482.09633388894	3241.238090590272	3216.291272516356	3216.05453740068	69.6467178076365	69.6467178076365
244	40	3224	-21056.1413	1061017.3170250766	39.78661772175956	-01.5481589	28180.2332850045	4407180.414999204	3481.21732328494	3240.364837611807	3216.326800506517	3216.326800506517	77.2643932902718	77.2643932902718
245	40	3225	-20990.1413	1061017.3170250766	39.786632164400956	-01.5458121	28202.25382512564	4407176.27926364	3480.338033196226	3239.480863154293	3215.95854409677	3214.687487436087	82.5200871475242	82.5200871475242
246	40	3226	-20924.1413	1061017.3170250766	39.78664651669934	-01.5436454	28203.2704477815	4407172.1782634	3479.459293106046	3238.583294549835	3215.972743068163	3215.40859579789	86.610551131821	86.610551131821
247	40	3227	-20858.1413	1061017.3170250766	39.78665991365458	-01.5411718	28204.2904556255	4407168.02608348	3478.48533624867	3237.6716673762	3216.076436821966	3216.076436821966	87.6888231156538	87.6888231156538
248	40	3228	-20792.1413	1061017.3170250766	39.7867252077814	-01.5387171	28205.138115925	4407164.945353102	3477.154547615145	3236.74514073815	3216.17011308577	3216.17011308577	88.42921805467	88.42921805467
249	40	3229	-20726.1413	1061017.3170250766	39.78673894815454	-01.5364252	28206.9334311803	4407160.82905693	3476.37359087946	3235.80376795424	3216.18241470542	3216.18241470542	89.698095011562	89.698095011562
250	40	3230	-20660.1413	1061017.3170250766	39.7867630947958	-01.5340785	28307.325015191	4407155.71240711	3475.27864594458	3234.84459	3216.35040599184	3216.35040599184	90.945412245491	90.945412245491
251	40	3231	-20594.1413	1061017.3170250766	39.7867718681104	-01.5313717	28308.372	4407151.519611834	3473.86358418906	3233.86410215977	3217.7454567437058	3217.7454567437058	91.096452	91.096452
252	40	3232	-20528.1413	1061017.3170250766	39.7867719363761	-01.529385	28340.93098921216	4407140.1801384	3472.102372	3232.85455499534	3216.2742534459985	3217.25013125977	92.5803318143236	92.5803318143236
253	40	3233	-20462.1413	1061017.3170250766	39.786776073294964	-01.5273082	28361.0406299851	4407143.3642627	3470.31805956433	3231.8048447129251	3216.310362621499	3216.310362621499	93.6777169980836	93.6777169980836
254	40	3234	-20396.1413	1061017.3170250766	39.78678010788384	-01.5248015	28381.4214632144	4407139.248191566	3468.75946075193	3230.69556702338	3216.81571607597	3216.81571607597	94.757166259224	94.757166259224
255	40	3235	-20330.1413	1061017.3170250766	39.7867859734208	-01.522448	28402.1646514525	4407135.104716807	3467.5594394453	3229.549291307026	3216.915638134664	3216.915638134664	95.748717862488	95.748717862488
256	40	3236	-20264.1413	1061017.3170250766	39.78679481404602	-01.519998	28423.1464545028	4407131.01862495	3466.1508711058	3228.150571336	3214.428424268095	3214.428424268095	96.8170365161	96.8170365161
257	40	3237	-20198.1413	1061017.3170250766	39.7868019361931	-01.5176513	28444.1482425165	4407126.90384767	3464.78490593378	3226.64382707267	3215.79215396814	3216.4242233874245	98.0012885330223	98.0012885330223
258	40	3238	-20132.1413	1061017.3170250766	39.78681579285397	-01.5153045	28461							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR ElevKgr.f	BR ElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
339	4081519	-147861.1413	10610713.3170250766	38.78778733099644	-101.3252159	300897.24774476595	406790.320759874	3321.73138138956584	3014.8323737596917	3006.2760469894843	3006.21236194987	98.55632977020741	98.62014056	
340	4081520	-147201.1413	10610713.3170250766	38.7877746848642	-101.3228877	301088.24676488745	406786.2261129	3320.515727427698	3013.720357900663	3001.0530120646486	3000.828581912841	102.1190255241778	102.343456722539	
341	4081521	-146841.1413	10610713.3170250766	38.7878075585322	-101.3208219	301299.2469595347	406782.131854846	3318.300140988737	3011.488617489897	2995.908851233364	2995.468092575273	105.5890536626204	106.0309221072646	
342	4081522	-145881.1413	10610713.3170250766	38.78781760337855	-101.3188171	301500.25002219403	406778.037763936	3284.084554511777	3009.81596005077	2994.284431703736	2993.906818942567	105.5848241082568	105.9091412	
343	4081523	-145221.1413	10610713.3170250766	38.78782760262082	-101.3158283	301701.25005623133	406773.943923647	3315.9944635095712	3008.1258872804433	2994.1458714407904	2994.02820562586	103.98001583656288	104.10180432415837	
344	4081524	-144561.1413	10610713.3170250766	38.787837556627196	-101.3134815	301902.2500	406769.850322076	3313.02986736121	3006.432481904982	2994.253654708543	2994.5139754043787	101.906934819554	101.9193722011952	
345	4081525	-143901.1413	10610713.3170250766	38.78784746531095	-101.3113477	302103.2500592508	406765.757	3310.0652341166703	3004.7822800810226	2995.541999351486	2995.067795232334	99.19502068567408	99.2545256688808	
346	4081526	-143241.1413	10610713.3170250766	38.78785723654106	-101.3087878	302304.2500867915	406761.663848487	3307.100677	3003.0365915937905	2997.1163148537935	2996.4207673999707	95.985027673999707	95.985027673999707	
347	4081527	-142581.1413	10610713.3170250766	38.78786771466561	-101.306441	302505.2504720155	406757.570876158	3304.087033353587	3001.207747194983	2997.1163148537935	2996.4207673999707	95.985027673999707	95.985027673999707	
348	4081528	-141921.1413	10610713.3170250766	38.78787793191844	-101.3040492	302705.2499421222	406753.47347105	3301.023417181978	3009.571634931373	3001.825544201474	3002.133257730871	87.8952051326988	87.8952051326988	
349	4081529	-141261.1413	10610713.3170250766	38.78788664663906	-101.3017474	302907.2492194005	406749.38503792	3297.96160233634	3007.781677378495	3004.565666117788	3005.14422111737315	83.61261126072705	83.61261126072705	
350	4081530	-140601.1413	10610713.3170250766	38.78789632620064	-101.2994006	303108.24830407393	406745.293817866	3294.899568652885	3005.880934	3007.42540829879057	3007.8152662642574	78.45552498017423	78.45552498017423	
351	4081531	-139941.1413	10610713.3170250766	38.787890565259796	-101.2970538	303309.2471963309	406741.201917778	3290.150130247387	3003.7925691286064	3006.1605566669746	3007.8152662642574	73.45587153129198	73.45587153129198	
352	4081532	-139281.1413	10610713.3170250766	38.78791555655879	-101.294707	303510.2458963424	406737.11026671	3283.715164994293	3001.470662	3012.636382415636	3012.448063427106	68.8423716472635	69.0225655149029	
353	4081533	-138621.1413	10610713.3170250766	38.78792510251703	-101.2923001	303711.2444044434	406733.01884627	3277.280195449716	3008.96805241965	3014.247154355673	3014.0306497891686	64.72175088698167	64.9382547	
354	4081534	-137961.1413	10610713.3170250766	38.78793460313449	-101.2900133	303912.242720708	406729.78767547	3270.845231402131	3015.645191326877	3015.097334517847	3015.097334517847	61.2911341945311	61.2911341945311	
355	4081535	-137301.1413	10610713.3170250766	38.78794045841115	-101.2874665	304113.2404853904	406724.836747453	3267.157775	3017.73100828744174	3016.615838686857	3016.519287850515	57.0960470516344	57.1907901931219	
356	4081536	-136641.1413	10610713.3170250766	38.78795346834702	-101.2853197	304314.2378786963	406720.746	3266.2178200490194	3017.0128004844053	3017.11095543719	3017.0128004844053	53.9050253069485	53.9050253069485	
357	4081537	-135981.1413	10610713.3170250766	38.7879628324204	-101.2829729	304515.23652602826	406716.6556219	3265.277866759094	3008.312431766787	3017.496796831619	3017.83647236361	50.81563435167964	50.81563435167964	
358	4081538	-135321.1413	10610713.3170250766	38.78797215219622	-101.2806261	304716.234071995	406712.656442103	3264.58865223851	3007.6736091604466	3017.83647236361	3017.83647236361	47.91525603404286	47.91525603404286	
359	4081539	-134661.1413	10610713.3170250766	38.787981462109546	-101.2782792	304917.23142340716	406708.475457498	3262.862185100744	3002.85812511195	3017.656716935467	3017.656716935467	44.40427681809	44.40427681809	
360	4081540	-134001.1413	10610713.3170250766	38.78799054651917	-101.2758324	305115.28286	406704.36571506	3260.85256954973	3002.10166040362	3017.5241530080814	3017.5241530080814	42.5970517140554	42.5970517140554	
361	4081541	-133341.1413	10610713.3170250766	38.7879985814286	-101.2733919	305316.256817785	406700.266872821	3259.84823673587	3001.247852150913	3017.44542306814	3017.44542306814	40.3120298247464	40.3120298247464	
362	4081542	-132681.1413	10610713.3170250766	38.7880087580407	-101.2712288	305520.222371485	406696.207507405	3258.832076458176	3005.4039592673497	3016.689978533408	3017.52374921023	37.8400243300893	37.1073244362555	
363	4081543	-132021.1413	10610713.3170250766	38.7880180683375	-101.2688919	305721.218970587	406692.118069249	3252.834843195173	3015.873811875263	3016.002418362567	3017.52374921023	35.7400137306348	35.7400137306348	
364	4081544	-131361.1413	10610713.3170250766	38.788027115562464	-101.2665451	305922.215380024	406688.029327668	3246.81761927734	3049.1052073600426	3015.07706224354	3015.07706224354	33.640037046255	33.640037046255	
365	4081545	-130701.1413	10610713.3170250766	38.78803611743019	-101.2641983	306123.211600495	406683.941	3240.81750702993	3046.33282949501	3014.02130802938	3014.02130802938	31.9696085136626	32.0025214713288	
366	4081546	-130041.1413	10610713.3170250766	38.7880457395662	-101.261815	306324.20763137634	406679.855273209	3234.80546527864	3043.529985226603	3012.8785104262106	3015.353973454193	30.6514752	30.6514752	
367	4081547	-129381.1413	10610713.3170250766	38.78805398514286	-101.259506	306525.2031874874	406675.765	3228.81675719713	3042.87815973713	3012.781520080814	3012.781520080814	28.74550475276466	28.74550475276466	
368	4081548	-128721.1413	10610713.3170250766	38.78806250987366	-101.2571578	306728.199102147	406671.716790309	3226.846169882513	3037.904353145984	3011.41542306814	3011.41542306814	26.6164567219727	26.6164567219727	
369	4081549	-128061.1413	10610713.3170250766	38.7880716749103	-101.254811	306927.1946	406667.58923171	3226.87525193221	3037.93069341528	3010.8473833405267	3010.8473833405267	24.22657060101376	24.22657060101376	
370	4081550	-127401.1413	10610713.3170250766	38.78808044665364	-101.2524642	307128.1899	406663.51079897	3224.904994507124	3032.230677805537	3010.686580761445	3010.686580761445	21.5419100809919	21.5419100809919	
371	4081551	-126741.1413	10610713.3170250766	38.78808917647515	-101.2501173	307329.184953298	406661.54183747	3220.982408181971	3029.375844562594	3010.852384266978	3010.852384266978	18.5234602698624	18.5234602698624	
372	4081552	-126081.1413	10610713.3170250766	38.78809786095559	-101.2477705	307530.179852363	406655.32813807	3215.106784	3026.5101507784	3011.379491379427	3011.379491379427	15.15264721013334	15.15264721013334	
373	4081553	-125421.1413	10610713.3170250766	38.7881065000489	-101.2454237	307731.1745649098	406651.248158174	3208.2319507	3023.634177438217	3012.324051304454	3012.324051304454	13.7489232174485	13.7489232174485	
374	4081554	-124761.1413	10610713.3170250766	38.78811503093764	-101.243079	307932.169187612	406647.115326241	3206.115326241	3020.748525150913	3011.41542306814	3011.41542306814	11.31012043595878	11.31012043595878	
375	4081555	-124101.1413	10610713.3170250766	38.78812342354636	-101.24073	308133.1635241647	406643.09116813	3204.85455383336	3017.63471090287	3010.953374059587	3010.953374059587	9.3428251328449265	9.3428251328449265	
376	4081556	-123441.1413	10610713.3170250766	38.78813215	-101.2383832	308334.15763236026	406638.38370989	3210.06576532917	3014.950380120327	3018.623448318211	3018.623448318211	7.0	7.0	
377	4081557	-122781.1413	10610713.3170250766	38.788140324488	-101.2360364	308535.1563531725	406634.89778642	3186.498867527426	3012.039031090001	3021.962385975008	3021.962385975008	5.321325847036	5.321325847036	
378	4081558	-122121.1413	10610713.3170250766	38.78814901567837	-101.2336895	308736.1454105303	406630.81244786	3180.930395872071	3009.120530616636	3026.036293643353	3026.036293643353	3.227894855681082	3.227894855681082	
379	4081559	-121461.1413	10610713.3170250766	38.78815738277066	-101.2313427	308937.1389991247	406626.727345919	3173.33166861073	3007.95976256438	3030.925716081081	3030.925716081081	1.0	1.0	
380	4081560	-120801.1413	10610713.3170250766	38.7881657	-101.2289599	309138.13240129035	406622.64498933	3160.7094193389	3007.62725140274	3036.91821938505	3036.91821938505	0.30845051913163	0.30845051913163	
381	4081561	-120141.1413	10610713.3170250766	38.78817406093764	-101.226719	309339.12819792379	406618.428197824	3148.073978423078	3006.432481904982	3037.93069341528	3037.93069341528	0.0	0.0	
382	4081562	-119481.1413	10610713.3170250766	38.7881822100003	-101.2243022	309540.118647145	406614.031950971	3137.43948455979	3007.40338556052	3041.45843391802	3041.45843391802	0.0	0.0	
383	4081563	-118821.1413	10610713.3170250766	38.7881903777232	-101.2219564	309741.11491305	406610.38937814	3123.781704127568	3006.4752647650193	3050.720693972386	3050.720693972386	0.0	0.0	
384	4081564	-118161.1413	10610713.3170250766	38.78819853817739	-101.2196085	309942.1041498194	406606.30549							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BR ElevLogs.kft	BR ElevBoth.kft	SatThkLogs.ft	SatThkBoth.ft	
465	4081645	-64070.14133			10610713.710250766	-78.78870733	-0.102095139	326221.9122830258	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
466	4081646	-64040.14133			10610713.710250766	-78.78871152012205	-0.10271666	326422.8904	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
467	4081647	-63841.14133			10610713.710250766	-78.7887129026766	-0.10248196	326623.86981845	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
468	4081648	-62721.14133			10610713.710250766	-78.78872046069368	-0.10224729	326824.8462	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
469	4081649	-62601.14133			10610713.710250766	-78.78872470720292	-0.10220126	327025.8238402904	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
470	4081650	-61401.14133			10610713.710250766	-78.7887289800586	-0.10177792	327226.9139044603	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
471	4081651	-60741.14133			10610713.710250766	-78.7887331864844	-0.10154323	327427.77861099376	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
472	4081652	-60081.14133			10610713.710250766	-78.78873733394868	-0.10130854	327628.7575450855	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
473	4081653	-59421.14133			10610713.710250766	-78.78874143885269	-0.10107895	327829.7221944658	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
474	4081654	-58761.14133			10610713.710250766	-78.78874546852209	-0.10083197	328030.759177824	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
475	4081655	-58011.14133			10610713.710250766	-78.788749512795214	-0.10060448	328231.6861479634	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
476	4081656	-57441.14133			10610713.710250766	-78.78875348172598	-0.10036979	328423.662112048	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
477	4081657	-56781.14133			10610713.710250766	-78.78875740531433	-0.10013511	328633.6891120243	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
478	4081658	-56121.14133			10610713.710250766	-78.78876128356034	-0.09990402	328834.6154050021	4406276.316207916	2999.499751762163	2852.7710751489526	2901.961132836728	2901.8031135667943	0
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ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BR ElevLogs.kft	BR ElevBoth.kft	SatThkLogs.ft	SatThkBoth.ft	
591	408	107171	18458.85867307335	1061017.310250766	-79.78890747373354	-100.7338969	351543.89890775084	405676.154595344	2828.919439598679	2668.225245630132	2719.852987131941	2721.7392845704526	0	
592	408	107172	18115.85867307335	1061017.310250766	-79.788906162918716	-100.73146	351744.84570471885	405675.10185864	2819.945071771760	2668.163295994718	2721.420508572677	2723.5067583201948	0	
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601	408	107181	25058.85867307335	1061017.310250766	-79.7888925516484	-100.7103871	353553.4791356174	405675.82969777	2809.935773419954	2648.178369472731	2686.200630511304	2686.19316830647	0	
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634	408	107214	46838.85867307335	1061017.310250766	-79.7886110242335	-100.6328912	360178.8590304234	405592.92370911	2637.62572434346	2584.7051038897	2598.635235673037	2598.042210152002	0	
635	408	107215	47498.85867307335	1061017.310250766	-79.78860778374649	-100.6305443	360385.842682348	405588.950407464	2632.520044642986	2582.81990735703	2598.36752247657	2599.090686742337	0	
636	408	107216	48158.85867307335	1061017.310250766	-79.7886044785715	-100.6281974	360586.895147605	405584.862054596	2630.64834	2580.345911534165	2574.017211	2573.1632006296346	6.917380161446545	7.77157057031096
637	408	107217	48818.85867307335	1061017.310250766	-79.7886011662533	-100.6258055	360787.84474795708	405580.859232296	2627.849621944714	2579.066516	2568.9983615991973	2568.9983615991973	10.0848154705212692	11.103382693871042
638	408	107218	49478.85867307335	1061017.310250766	-79.7887770506102	-100.6233037	360988.7968782814	405576.836285059	2625.01490744777	2577.2716665122684	2568.2711728218483	2567.482131709496	10.0848154705212692	11.103382693871042
639	408	107219	50138.85867307335	1061017.310250766	-79.78877458134234	-100.6211568	361189.7517439995	405572.8215	2625.01490744777	2577.2716665122684	2568.2711728218483	2567.482131709496	10.0848154705212692	11.10338269387

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevLogs.kg	BR/ElevBoth.kg	SatThkLogs.	SatThkBoth.
109	409	302023	-308621.1413	1061677.3170250766	39.78594041954544	-101.8790644	253459.2744500000	4047964.794740792	342.12180295126	3362.2760979341815	3383.288527858357	3384.109563694507	0	0
104	409	302024	-302961.1413	1061677.3170250766	39.76699152770135	-101.8767178	25360.76599752803	4047960.542338063	3426.47592758244	3359.311773911592	3383.357007123259	3384.080309594304	0	0
109	409	302025	-302920.1413	1061677.3170250766	39.76699152770135	-101.8767178	25360.76599752803	4047960.542338063	3426.47592758244	3359.311773911592	3383.357007123259	3384.080309594304	0	0
109	409	302026	-301641.1413	1061677.3170250766	39.76602081	-101.8720245	254062.4310324127	4047958.338276963	3415.175626917483	3378.415737927893	3378.3796103790582	3378.92024593404	0	0
107	409	302027	-300981.1413	1061677.3170250766	39.766023512133966	-101.8696779	254263.48273564418	4047948.186600579	3412.97124037591	3350.50189069812	3373.564415093513	3373.998147723461	0	0
109	409	302028	-300321.1413	1061677.3170250766	39.76604166342116	-101.8673312	254464.53419626981	4047944.035178297	3414.21190236734	3367.821131763035	3368.2831754754997	0	0	
109	409	302029	-299661.1413	1061677.3170250766	39.76604677521549	-101.8648946	254665.5854145065	4047939.88400117	3415.452643212807	3341.75686845776	3361.928642588851	3362.257149293117	0	0
110	409	302030	-299001.1413	1061677.3170250766	39.76606338754084	-101.862638	254866.63390359595	4047935.733090606	3416.693328260515	3341.862459679342	3355.88064680016	3362.547178213216	0	0
111	409	302031	-298341.1413	1061677.3170250766	39.76610598	-101.8602813	255067.8871246381	4047931.582	3416.411550473481	3340.336435714488	3350.86978519224	3350.089136363885	0	0
112	409	302032	-297681.1413	1061677.3170250766	39.76612362965	-101.8578447	255258.7376164256	4047927.43140027	3408.7569135141	3336.24077075403	3344.28956549152	3344.28956549152	0	0
113	409	302033	-297021.1413	1061677.3170250766	39.766146736058	-101.855598	255469.78786756497	4047923.281743137	3403.05084858389	3333.49058483732	3338.103358662966	3338.561565986157	0	0
114	409	302034	-296361.1413	1061677.3170250766	39.76616713955591	-101.8532514	255670.8337707717	4047919.132	3397.45149674837	3330.78324215812	3332.385464486643	3332.669348382521	0	0
115	409	302035	-295701.1413	1061677.3170250766	39.7661874762349	-101.8509407	255871.8876453093	4047914.982084518	3394.661315530616	3328.129298	3326.8399540325113	3327.0882165728244	1.289934350288914	1.0410810399757793
116	409	302036	-295041.1413	1061677.3170250766	39.7662077695239	-101.8485581	256072.97371260254	4047910.83262775	3394.997582159235	3325.57800366824	3321.317756803912	3321.4514954884402	4.220043365153013	4.0426544726342167
117	409	302037	-294381.1413	1061677.3170250766	39.76622801415628	-101.8462115	256273.9866	4047906.68340403	3393.338467569257	3324.138575037897	3319.851870580223	3317.680339588503	7.166570672463422	7.0161085584724693
119	409	302038	-293721.1413	1061677.3170250766	39.766248715014965	-101.843849	256475.035051272	4047902.53432322	3395.671154091443	3320.382626708717	3310.26432425985	3309.918135421776	10.3202444488996	10.59144532864137
119	409	302039	-293061.1413	1061677.3170250766	39.76626837053847	-101.8415182	256677.084108318	4047898.3570856	3394.338072107711	3318.2643344741	3300.947650405533	3304.860373224048	13.3386804240785	13.385496125456939
120	409	302040	-292401.1413	1061677.3170250766	39.7662848072678	-101.8391715	256877.132224003	4047894.237224003	3391.337126241701262	3300.644549331735	3300.352403216435	3300.352403216435	15.73809173952747	15.67009097001760
121	409	302041	-291741.1413	1061677.3170250766	39.76630545579885	-101.8368249	257078.1813209617	4047890.08808358	3388.337365649738	3313.928263646532	3329.299023303015	3329.299023303015	15.62924034230776	15.97623421028045
122	409	302042	-291081.1413	1061677.3170250766	39.7663285650978	-101.8344782	257279.2238096877	4047885.909578	3385.337142027084	3311.3839797307272	3326.834510488736	3326.365197754652	15.1449624265359	15.61459054270928
123	409	302043	-290421.1413	1061677.3170250766	39.7663483928015	-101.8321315	257480.2723454803	4047881.79324049	3379.503619716114	3310.2063497405234	3295.539177	3295.1273472848045	16.67712646312328	15.98154263731894
124	409	302044	-289761.1413	1061677.3170250766	39.76636848127296	-101.8297849	257681.32484173527	4047873.7454736	3370.871873557443	3308.065947705872	3294.23464666905	3294.23464666905	14.36637037531814	15.123444777515845
125	409	302045	-289101.1413	1061677.3170250766	39.7663885163982	-101.789516	257889.85140929472	4047869.49849061	3372.71924545728228	3307.18444176837297	3293.68977176837297	3293.68977176837297	12.25467121856491	12.12084954048327
126	409	302046	-288441.1413	1061677.3170250766	39.7664081893152	-101.8205916	258083.4193305055	4047869.35417824	3353.5043231705196	3305.974616854825	3290.7195181032596	3289.990517257633	15.2540983222088	15.97875956719195
127	409	302047	-287781.1413	1061677.3170250766	39.76642786256136	-101.8227449	258284.4662	4047865.20471924	3350.38343436924	3304.95060684914	3288.440542	3287.860175298326	16.54011893734045	17.08989478669595
128	409	302048	-287121.1413	1061677.3170250766	39.766447730161456	-101.8203982	258485.51288172128	4047861.058190319	3342.255938711222	3304.12166986753	3285.43903339652	3284.923116656374	18.68226602710084	19.196552306715923
129	409	302049	-286461.1413	1061677.3170250766	39.76646743233122	-101.8180516	258686.5595955102	4047856.911934328	3316.2314338739327	3303.4847003239215	3281.87282817657	3281.4734705605046	21.61187351	22.0109536174602
130	409	302050	-285801.1413	1061677.3170250766	39.766487099165405	-101.8157409	258887.6055	4047852.765881495	3304.160479191545	3303.03408482792	3277.913266789324	3277.913266789324	24.827742242397037	24.827742242397037
131	409	302051	-285141.1413	1061677.3170250766	39.7665067008698	-101.8135268	259089.85140929472	4047850.62909474	3294.43868780754676	3275.648894131535	3275.648894131535	3275.648894131535	26.8371786520496	26.8371786520496
132	409	302052	-284481.1413	1061677.3170250766	39.766526662683	-101.8110116	259289.69710960335	4047847.475521968	3290.1271924545728228	3290.1271924545728228	3277.929289191802	3277.929289191802	28.67777305451666	27.12084954048327
133	409	302053	-283821.1413	1061677.3170250766	39.76654578654035	-101.8086649	259490.742574823	4047843.39255211	3285.80489650891	3285.80489650891	3271.412262405565	3271.0523238062474	30.1912721036028	30.1747638445021
134	409	302054	-283161.1413	1061677.3170250766	39.76656832314548	-101.8063183	259691.78791386	4047836.184	3281.4867954386027	3270.7246594863874	3270.37404214016	3270.37404214016	32.1436975225131	32.1117271425486956
135	409	302055	-282501.1413	1061677.3170250766	39.766586483031144	-101.8039716	259892.8327867754	4047830.3939569	3279.098305070923	3279.098305070923	3270.9476314391404	3270.9476314391404	34.18506733165188	34.5173850891021
136	409	302056	-281841.1413	1061677.3170250766	39.7666048	-101.8016249	260093.8737866055	4047827.8943301	3278.6386185474594	3272.161934527752	3271.92246778681	3271.92246778681	36.71659674721775	36.71659674721775
137	409	302057	-281181.1413	1061677.3170250766	39.76662347654988	-101.7992782	260294.9220538258	4047823.750515496	3278.178932024126	3278.178932024126	3271.46928011325	3271.46928011325	38.15424714293944	37.4718235831997
138	409	302058	-280521.1413	1061677.3170250766	39.7666427115379	-101.796916	260495.36232626	4047819.47689868	3277.71924545728228	3277.71924545728228	3270.289434740002	3270.289434740002	40.22647121856491	40.12084954048327
139	409	302059	-279861.1413	1061677.3170250766	39.7666619605528	-101.7945849	260699.0103753017	4047815.46416386	3276.929898534777	3276.929898534777	3271.62228139923	3271.62228139923	42.1778232196084	42.1778232196084
140	409	302060	-279201.1413	1061677.3170250766	39.766681160414475	-101.7922382	260898.054	4047811.319	3282.80116502811	3282.80116502811	3279.98931481027	3279.98931481027	44.202230611540574	44.15450800229735
141	409	302061	-278541.1413	1061677.3170250766	39.76670323218167	-101.7898915	261099.0975283744	4047807.175693819	3286.342340310884	3280.8520862557157	3279.316717079867	3279.316717079867	46.202230611540574	46.202230611540574
142	409	302062	-277881.1413	1061677.3170250766	39.76671943498584	-101.7875449	261300.1410881474	4047803.03260357	3289.883155398573	3289.883155398573	3279.399662135972	3279.399662135972	48.14383540361528	48.14383540361528
143	409	302063	-277221.1413	1061677.3170250766	39.76673850245396	-101.7851982	261501.1841880931	4047798.80975209	3287.6386185474594	3272.161934527752	3271.92246778681	3271.92246778681	50.12246778681	50.12246778681
144	409	302064	-276561.1413	1061677.3170250766	39.766757542535916	-101.782815	261702.225728278	4047794.74148487	3284.20647642242174	3274.05425045964	3271.46928011325	3271.46928011325	52.13632417853646	52.13632417853646
145	409	302065	-275901.1413	1061677.3170250766	39.76677651387172	-101.780478	261903.266212935	4047790.16748487	3283.030418805466	3273.030418805466	3270.16748487	3270.16748487	54.25467121856491	54.25467121856491
146	409	302066	-275241.1413	1061677.3170250766	39.766795432841366	-101.7781581	262104.3017718786	4047786.46577335	3279.609430361564	3279.609430361564	3271.879044015474	3271.879044015474	56.22647121856491	56.22647121856491
147	409	302067	-274581.1413	1061677.3170250766	39.76681431896477	-101.7758114	262305.3542383778	4047782.320806574	3302.705568803414	3302.705568803414	3280.2713746575237	3280.2713746575237	58.2358432517637	58.2358432517637
148	409	3												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRIElevKgr.f	BRIElevBothKgr.f	SatHtKgr.f	SatHtBoth.f
229	409	32149	-220461.1413	166177.3170250766	39.7882087	-01.5837939	278790.0331631969	4047043.519896221	3486.408720730712	321.884438307108	3180.922201676374	3180.840642	790623221937405	71.04379218513805
230	409	32150	-219801.1413	166177.3170250766	39.78822362168843	-01.5813026	278981.0566	4047139.38931975	3476.348166846506	321.904870204425	3182.751777309772	3182.675628854032	68.3430069466524	68.41524135034264
231	409	32151	-219181.1413	166177.3170250766	39.78823889446355	-01.5786858	279192.0791558755	4047435.278887455	3477.688926313986	320.937109810038	3185.452718433453	3185.452718433453	64.8452947208572	64.74889147748602
232	409	32152	-218481.1413	166177.3170250766	39.78823933186524	-01.576339	279391.027545603	404731.155899313	3484.460027796673	324.91531895385	3188.870195615595	3188.870195615595	60.46849848275574	60.268903118510934
233	409	32153	-217821.1413	166177.3170250766	39.78826891854058	-01.5739922	279594.1255179891	404732.035055326	3471.241533065158	324.728884215573	3193.4857862627173	3193.4857862627173	50.4201158846053	50.48495122651076
234	409	32154	-217161.1413	166177.3170250766	39.78823836068581	-01.5716454	279795.148064769	4047222.914	3497.98278330745	324.937420153465	3198.839484355612	3199.242468300105	49.0973080790529	48.69495172601074
235	409	32155	-216501.1413	166177.3170250766	39.7882807507843	-01.5692897	279996.1703951837	404718.794099772	3496.75005424462	324.7411180793	3204.960409397454	3205.4176751927944	42.18070241	41.7234681513651
236	409	32156	-215841.1413	166177.3170250766	39.78813360814987	-01.5666919	280197.125904529	404714.673988195	3498.55291280852	324.74611890439	321.9057815881047	3212.310317320204	34.91420531235021	34.02983344228947
237	409	32157	-215181.1413	166177.3170250766	39.78822941387315	-01.564605	280366.27140077785	404710.5054	3493.646981159818	324.5317611677074	3216.65668811422	3220.39920894358	25.37537120526346	25.1324880223446
238	409	32158	-214521.1413	166177.3170250766	39.78834317425723	-01.5622583	280599.236903836	404706.4349782	3490.138835274133	324.712933	3227.86924594133	3228.97451539098	17.0540571062567	15.02967784562054
239	409	32159	-213861.1413	166177.3170250766	39.78835788930208	-01.5599115	280800.255742803	404703.511181415	3487.85646237424	324.8378038	3232.00210184609	3233.860697147666	11.366603608461196	10.79671178300504
240	409	32160	-213201.1413	166177.3170250766	39.7883725900763	-01.557647	281001.2788	404739.197981999	3486.49807717694	324.0350290832786	3232.8891937308	3224.51167256523	20.161091511970426	18.3660333762638
241	409	32161	-212541.1413	166177.3170250766	39.788387183373906	-01.555218	281202.2984578333	404730.050929339	3485.141147217059	324.0232070505026	3230.56031945162154	3224.51167604147	16.64289165	13.6904120355929
242	409	32162	-211881.1413	166177.3170250766	39.78840176240085	-01.5528712	281403.320667494	404738.958444062	3483.783948607174	324.134524457023	3231.951656841498	3192.555677895621	49.3983786	48.7894656140119
243	409	32163	-211221.1413	166177.3170250766	39.78841626068864	-01.5505244	281604.3417244984	404738.940402963	3482.730379625904	324.0476845110103	3217.739809854379	3177.73964082263	63.10560337	62.7627180178398
244	409	32164	-210561.1413	166177.3170250766	39.7884307443967	-01.5481706	281805.3617670074	404738.71183225	3481.98162597096	323.951901048721	3165.2442818414547	3165.2442818414547	34.500291072569	34.1719650639612
245	409	32165	-209901.1413	166177.3170250766	39.78844527452636	-01.5458308	282006.3819451486	404737.60396404	3481.233272316127	323.70068490523	3158.931515697350	3156.5447946700087	17.76915279330206	16.1568738206439
246	409	32166	-209241.1413	166177.3170250766	39.78845625212203	-01.543484	282207.041909283	404737.346805678	3480.484718661289	323.791601429715	3158.240707	3157.628313496075	80.1823763790981	80.1823763790981
247	409	32167	-208581.1413	166177.3170250766	39.78847387745192	-01.5411372	282408.421655938	404736.368869894	3479.3320156740956	323.86643860938	3170.696744570696	3171.092105909047	65.7743090092038	65.7743090092038
248	409	32168	-207921.1413	166177.3170250766	39.7884828444234	-01.5387904	282609.4411961243	404735.21686845	3477.7751605457	323.9321833536453	3184.568935668686	3186.3402961821626	51.16994258405668	49.5892573146271
249	409	32169	-207261.1413	166177.3170250766	39.78850524609319	-01.5364436	282810.4605192437	404736.131477719	3476.21831553499	323.9461617596615	3187.0095145746267	3188.9104554574267	47.9557302008491	46.051134450190905
250	409	32170	-206601.1413	166177.3170250766	39.78851676240454	-01.534068	283011.4796291057	404737.041053117	3474.614650154493	323.937761704655	3181.986424108458	3183.4524833643653	49.91420531235021	49.91420531235021
251	409	32171	-205941.1413	166177.3170250766	39.7885283337629	-01.5317689	283219.670442696	404737.041053117	3473.64163034909	323.915158902376	3180.417045121383	3180.417045121383	31.6989441	31.6989441
252	409	32172	-205281.1413	166177.3170250766	39.7885405090046	-01.5294032	283433.5170298824	404734.785395936	3471.3725255156	323.91853556557	3189.89495054948	3170.864915606431	62.0200551051699	61.05367350103636
253	409	32173	-204621.1413	166177.3170250766	39.78855913309065	-01.5270564	283614.5366812116	404734.66943339	3469.698488741104	323.9232217012187	3164.307958426574	3165.134202903055	65.880770991322	65.880770991322
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255	409	32175	-203301.1413	166177.3170250766	39.78858718367035	-01.5223628	284016.5719867778	404736.482401066	3466.062784029054	323.84504912971	3154.347822	3155.075849736158	74.7056605005791	73.3296265452699
256	409	32176	-202641.1413	166177.3170250766	39.788601108140504	-01.520016	284217.5889214303	404735.323009451	3463.811960744839	323.920227139766	3150.191241758375	3150.627391482896	76.40486950561693	76.1694895668694
257	409	32177	-201981.1413	166177.3170250766	39.78861500707424	-01.5176894	284419.670442696	404735.484942696	3462.81678781021	323.915158902376	3180.417045121383	3180.417045121383	79.26138926456	79.26138926456
258	409	32178	-201321.1413	166177.3170250766	39.78862918355539	-01.5153224	284619.186555039	404732.034928026	3459.311721787085	323.915158902376	3180.417045121383	3180.417045121383	81.089391314504	81.089391314504
259	409	32179	-200661.1413	166177.3170250766	39.78864266892238	-01.5129758	284820.642055339	404739.187912839	3456.91514858297	323.920227139766	3180.417045121383	3180.417045121383	83.051226040357	83.051226040357
260	409	32180	-200001.1413	166177.3170250766	39.7886463136735	-01.5106288	285021.6509433817	404735.86453933	3454.37710040246	322.9019247581367	3183.5965371384254	3183.5965371384254	85.15671045975286	85.15671045975286
261	409	32181	-199341.1413	166177.3170250766	39.788670149411248	-01.508282	285222.6758216733	404731.7505158409	3451.83868595306	323.916833160295	3186.463139876885	3186.463139876885	87.7549173	87.7549173
262	409	32182	-198681.1413	166177.3170250766	39.7886832164587	-01.5059352	285423.6923851406	404730.63748491	3449.300277360171	323.916833160295	3186.463139876885	3186.463139876885	89.80514605997	89.80514605997
263	409	32183	-198021.1413	166177.3170250766	39.78869744854082	-01.5035884	285624.7807448185	404730.323	3447.62055692741	323.916833160295	3186.463139876885	3186.463139876885	91.8174176820226	91.8174176820226
264	409	32184	-197361.1413	166177.3170250766	39.7887110300576	-01.5012416	285825.724907514	404729.408940928	3446.8163034909	323.915158902376	3180.417045121383	3180.417045121383	93.80035138	93.80035138
265	409	32185	-196701.1413	166177.3170250766	39.788724565310286	-01.4988488	286028.740626533	404729.296910996	3446.060227139766	323.915158902376	3180.417045121383	3180.417045121383	95.8193377284098	95.8193377284098
266	409	32186	-196041.1413	166177.3170250766	39.78873805718517	-01.496548	286227.7565253595	404729.1814	3445.1960036033	323.915158902376	3180.417045121383	3180.417045121383	97.8117318702043	97.8117318702043
267	409	32187	-195381.1413	166177.3170250766	39.788751502720025	-01.4942102	286428.720684336	404728.0715721445	3443.81845318578	323.915158902376	3180.417045121383	3180.417045121383	99.8168057689933	99.8168057689933
268	409	32188	-194721.1413	166177.3170250766	39.78876409281487	-01.4918543	286629.787349691	404728.259	3441.873311591194	323.915158902376	3180.417045121383	3180.417045121383	101.8174176820226	101.8174176820226
269	409	32189	-194061.1413	166177.3170250766	39.788778257769664	-01.4895975	286830.8024721196	404728.784780895	3440.300277360171	323.915158902376	3180.417045121383	3180.417045121383	103.8174176820226	103.8174176820226
270	409	32190	-193401.1413	166177.3170250766	39.78879156728945	-01.4871067	287031.81760274025	404728.735392929	3437.98306336429	323.915158902376	3180.417045121383	3180.417045121383	105.8174176820226	105.8174176820226
271	409	32191	-192741.1413	166177.3170250766	39.7888045115585	-01.4848261	287232.8485598104	404728.735392929	3435.024948312194	323.915158902376	3180.417045121383	3180.417045121383	107.8174176820226	107.8174176820226
272	409	32192	-192081.1413	166177.3170250766	39.78881805	-01.4824671	287433.8485598104	404728.735392929	3432.064948312194	323.915158902376	3180.417045121383	3180.417045121383	109.8174176820226	109.8174176820226
273	409	32193	-191421.1413	166177.3170250766	39.7888312	-01.4801203	287634.860771729	404728.735392929	3429.1638271807	323.915158902376	3180.417045121383	3180.417045121383</		

ix	iy	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SnatElevBothKgr.ft
355	409	302275 - 137301.1413	166177.310250766	39.789757155488715	-01.2876787	304117.34057372704	406926.121510665	320.3012741551865	373.1568172915104	3016.2336202135634	50.158997019394997
356	409	302276 - 136641.1413	166177.310250766	39.78976656566986	-01.2853138	304318.3362453322	406922.030637408	3268.2743136130894	3016.914971664116	3016.988311116623	50.161891748529151
357	409	302277 - 135981.1413	166177.310250766	39.78977593505687	-01.283965	304519.33573377423	406917.184006584	3368.2473630716887	3017.78272368887	3017.837612052943	50.16433327159522
358	409	302278 - 135321.1413	166177.310250766	39.78978552005445	-01.2806381	304823.3302725846	406913.8496192945	3624.2203025289955	3064.915624389555	3017.845728	50.16502290250625
359	409	302279 - 134661.1413	166177.310250766	39.78979452	-01.2782912	304921.33012999187	406909.79457414	3622.27867867348	3062.156616375849	3017.8730391533404	50.1653766
360	409	302280 - 134001.1413	166177.310250766	39.78980375	-01.2759443	305122.327042174	406905.669547132	3620.4222115146957	3059.39538539245	3017.649814	50.1657426288349
361	409	302281 - 133341.1413	166177.310250766	39.789812936437805	-01.2735974	305323.323764031	406901.57991251	3258.56513943031	3056.6320943786304	3017.2027027683474	50.16583766
362	409	302282 - 132681.1413	166177.310250766	39.78982027456543	-01.2712506	305523.3295297502	406897.49001495	3256.7902771911013	3053.866544394396	3016.58145	50.1672491648426136
363	409	302283 - 132021.1413	166177.310250766	39.78983116735992	-01.2688037	305725.3166375442	406894.41228851	3253.559515118374	3051.99402228876	3016.757617645416	50.16762017645416
364	409	302284 - 131361.1413	166177.310250766	39.78984027	-01.2665568	305926.31278951926	406890.312401316	3249.224807	3048.913383357576	3017.7465918321473	50.1680229030403
365	409	302285 - 130701.1413	166177.310250766	39.78984921689504	-01.2642099	306127.308751875	406885.223715875	3244.853983125033	3045.5212565716815	3017.72838232574932	50.1699408230055
366	409	302286 - 130041.1413	166177.310250766	39.78985817365458	-01.261863	306328.3045254388	406881.152372527	3240.485158967717	3042.7179542643626	3017.725772075913	50.165425736414865
367	409	302287 - 129381.1413	166177.310250766	39.78986708507142	-01.2595162	306529.3001059576	406877.04704262	3237.289748988659	3039.903423891638	3017.872468595715	50.163495023811037
368	409	302288 - 128721.1413	166177.310250766	39.78987595114609	-01.2571693	306730.295054893	406872.959	3235.2771121139685	3037.077591043914	3017.873093396343	50.1658635339451
369	409	302289 - 128061.1413	166177.310250766	39.78988471875853	-01.2548224	306931.29071143634	406868.871404944	3233.762768743979	3034.204401419851	3017.77961267658	50.16506173973964
370	409	302290 - 127401.1413	166177.310250766	39.78989354722674	-01.2524765	307132.2587293376	406864.76383474	3231.241623664589	3031.391897831854	3017.608973540095	50.16510673174634
371	409	302291 - 126741.1413	166177.310250766	39.78990227311667	-01.2501286	307333.28055935807	406860.696707852	3228.020740372922	3028.532647717625	3017.7432381751703	50.1657191471643
372	409	302292 - 126081.1413	166177.310250766	39.7899106022236	-01.2477817	307534.272011314	406856.690723875	3225.664124524398	3025.664124524398	3017.74102949522	50.1657191471643
373	409	302293 - 125421.1413	166177.310250766	39.78991960138575	-01.2454348	307735.266550002	406852.52282928	3220.1698630774827	3027.768736838763	3017.74032140321671	50.165736838763
374	409	302294 - 124761.1413	166177.310250766	39.78992819541109	-01.243088	307936.2640211629	406848.43628941	3220.7403797579	3019.910206992043	3017.356813312979	50.16587648509464
375	409	302295 - 124101.1413	166177.310250766	39.78993674408984	-01.2407411	308137.258099958	406840.50228071	3193.15515553809	3017.007450210477	3016.2634327186	50.16483519237289
376	409	302296 - 123441.1413	166177.310250766	39.78994524742625	-01.2383942	308345.2519915084	406836.264216714	3186.405169646174	3014.1065219713437	3017.617514445168	50.16380432452654
377	409	302297 - 122781.1413	166177.310250766	39.7899533118137	-01.2356377	308549.245692494	406830.1784477428	3183.055501991	3013.762487385408	3016.3224867385408	50.16380432452654
378	409	302298 - 122121.1413	166177.310250766	39.78996211807199	-01.2337004	308740.2923170705	406832.0929213725	3172.90518973006	3008.2862397411827	3023.937508328864	50.16380432452654
379	409	302299 - 121461.1413	166177.310250766	39.78997046831296	-01.2313535	308941.2325447244	406828.070634531	3163.309762302501	3005.36953274692	3028.068624989847	50.16380432452654
380	409	302300 - 120801.1413	166177.310250766	39.7899780734818	-01.2290066	309142.225684915	406823.922598506	3150.868952432367	3002.450809756177	3023.383111888467	50.16380432452654
381	409	302301 - 120141.1413	166177.310250766	39.78998703897265	-01.2266597	309343.2186478581	406819.837801526	3138.428028454151	2999.5312249702074	3036.546967303595	50.16380432452654
382	409	302302 - 119481.1413	166177.310250766	39.78999631525468	-01.2243128	309544.21142029343	406815.753247507	3125.987161664976	2996.6125875754683	3039.6401581529763	50.16380432452654
383	409	302303 - 118821.1413	166177.310250766	39.7900053119426	-01.2218619	309745.240089346	406810.6886364	3113.7671254075	2994.556241	3041.238759861045	50.16380432452654
384	409	302304 - 118161.1413	166177.310250766	39.7900146179139	-01.2196191	309946.19640779747	406807.549683111	3107.708992501446	2997.903237603205	3038.942809300618	50.16380432452654
385	409	302305 - 117501.1413	166177.310250766	39.790019737046016	-01.2172722	310147.1886236454	406805.501043119	3098.771997688184	2987.895012432574	3033.452795633698	50.16380432452654
386	409	302306 - 116841.1413	166177.310250766	39.79002778695815	-01.2149253	310348.1065412977	406801.741460851	3077.741054561902	2986.010023247196	3026.2329435964553	50.16380432452654
387	409	302307 - 116181.1413	166177.310250766	39.79003579152778	-01.2125784	310549.127499654	406795.34121505	3065.673240348209	2982.141954	3016.920860567522	50.16380432452654
388	409	302308 - 115521.1413	166177.310250766	39.790043750754855	-01.2102315	310750.164160393	406791.25102503	3053.469402364673	2979.296170262761	3005.954316	50.16380432452654
389	409	302309 - 114861.1413	166177.310250766	39.79005164643939	-01.2078846	310951.1595	406787.18171526	3045.265953443023	2976.478454747897	2993.8838163300595	50.16380432452654
390	409	302310 - 114201.1413	166177.310250766	39.7900593318137	-01.2053577	311152.146292494	406783.055020979	3038.055020979	2974.055020979	2991.1156517989	50.16380432452654
391	409	302311 - 113541.1413	166177.310250766	39.79006735638075	-01.2031908	311353.1380361225	406779.003193117	3029.003193117	2970.965038754356	2987.825135988885	50.16380432452654
392	409	302312 - 112881.1413	166177.310250766	39.79007513423759	-01.2008439	311554.128959878	406774.910268325	3011.080473272137	2968.257684142609	2993.9654020115145	50.16380432452654
393	409	302313 - 112221.1413	166177.310250766	39.7900826675179	-01.198497	311755.119699901	406769.81862195	3003.169227721	2964.6014688987734	2989.68869389069	50.16380432452654
394	409	302314 - 111561.1413	166177.310250766	39.79009053923338	-01.1961501	311956.1102563976	406765.7547064	2995.241375221446	2962.985412025784	2925.264156795731	50.16380432452654
395	409	302315 - 110901.1413	166177.310250766	39.79009819575232	-01.1938032	312157.10062951	406762.618705979	2988.2947810897296	2960.4072398118574	2994.581391	50.16380432452654
396	409	302316 - 110241.1413	166177.310250766	39.79010579	-01.1914635	312358.0096196375	406758.59497297	2977.864513	2916.45397770094	2991.75932929525	50.16380432452654
397	409	302317 - 109581.1413	166177.310250766	39.79011370287623	-01.1891243	312559.0033219622	406754.516929884	2969.516929884	2914.516929884	2992.364731632987	50.16380432452654
398	409	302318 - 108921.1413	166177.310250766	39.7901204918316	-01.1867625	312760.0706512488	406750.343181871	2960.3053115148228	2952.66842890353	2928.4369502051775	50.16380432452654
399	409	302319 - 108261.1413	166177.310250766	39.7901283096411	-01.1844156	312961.06029320986	406746.32599391	2952.9233851925	2950.402877780444	2933.999574946247	50.16380432452654
400	409	302320 - 107601.1413	166177.310250766	39.79013572475696	-01.1820687	313162.04975283033	406742.27112072	2944.0677142738657	2947.966878415205	2939.2919245233265	50.16380432452654
401	409	302321 - 106941.1413	166177.310250766	39.79014304952777	-01.1797218	313363.0390340753	406738.19272354	2936.2069920806	2945.526054878592	2944.1824165739213	50.16380432452654
402	409	302322 - 106281.1413	166177.310250766	39.79015041859984	-01.1773749	313564.0218261909	406734.131	2938.34471321463	2943.108998803633	2948.939761571225	50.16380432452654
403	409	302323 - 105621.1413	166177.310250766	39.79015768984714	-01.1750281	313765.01740402883	406730.033721988	2936.033721988	2940.765324939585	2953.17896863331	50.16380432452654
404	409	302324 - 104961.1413	166177.310250766	39.79016493179169	-01.1726743	313966.05722545	406725.954510977	2933.13616085696	2937.344741538017	2957.404022858154	50.16380432452654
405	409	302325 - 104301.1413	166177.310250766	39.79017210153475	-01.1703342	314166.9943241539	406721.875423737	2930.952503988077	2930.301746320075	2960.5677839111	50.16380432452654
406	409	302326 - 103641.1413	166177.310250766	39.7901792635246	-01.1679873	314367.982694431	406717.796817255	2915.76851046193	2933.5682358631534	2960.8140530792434	50.16380432452654
407	409	302327 - 102981.1413	166177.310250766	39.7901836309681	-01.1656404	314568.7089838712	406713.718334523	2911.57599699315	2931.218266518748	2958.858203158357	50.16380432452654
408	409	302328 - 102321.1413	166177.310250766	39.79019341							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.ftr	BR/ElevBothKgr.ftr	SatThKLog.s.ftr	SatThBoth.ftr
607	4020257	29018.8586730335	1661677.310250766	39.70608450096554	-100.6962543	354763.2539321764	4405902.89	2793.268311036793	2636.049671071316	2662.468857994401	2665.733565956347	0	0	
608	4020258	29018.8586730335	1661677.310250766	39.706084544615948	-100.69393073	354964.2906	4405902.89	2785.7854123338602	2634.137017	2659.608501310876	2662.7891820021177	0	0	
609	4020259	30398.8586730335	1661677.310250766	39.7060942822231	-100.6915604	355165.16511148414	4405902.89	2844.98432179869	2659.836587591363	2659.8428185430725	2662.7891820021177	0	0	
610	4020260	30998.8586730335	1661677.310250766	39.706088315885006	-100.6892134	353566.1212620915	4405902.89	2770.81961492052	2630.2341567101	2654.2284721162305	2657.1862185104736	0	0	
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638	4020288	49478.8586730335	1661677.310250766	39.706100927255	-100.6234993	360992.8276953733	4405902.89	2630.760030488471	2577.35311565359	2571.86172689164	2571.86172689164	4.2677385421554423	4.7873852415054423	
639	4020289	50138.8586730335	1661677.310250766	39.7060748726701	-100.6211523	361193.77866217	4405902.89	2627.8802028070295	2574.975103689592	2571.5672714374728	2571.5672714374728	3.758808280179289	3.758808280179289	
640	4020290	50798.8586730335	1661677.310250766	39.70600401991781	-100.6188054	361394.7302428296	4405902.89	2620.269276126885	2570.951759925543	2570.3814306916984	2569.834593798176	3.31216554239668	3.31216554239668	
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651	4020301	58058.8586730335	1661677.310250766	39.705962863832	-100.5929892	363605.1900332584	4405902.89	2622.4724238688	2558.91827363037	2555.936588272567	2555.936588272567	1.37014812	3.62018573041677	
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653	4020303	59378.8586730335	1661677.310250766	39.705954818105	-100.5882953	364007.900370175635	4405902.89	2620.63698183147	2559.1850065635	2546.5238411193714	2546.5850043999664	13.294665369935	13.294665369935	
654	4020304	60038.8586730335	1661677.310250766	39.70595071595062	-100.5859844	364208.0398440204	4405902.89	2623.732293638107	2560.104072593873	2540.439545006727	2540.398847242016	19.705122885379603	19.705122885379603	
655	4020305	60698.8586730335	1661677.310250766	39.7059465947867	-100.5836815	364409.3896577446	4405902.89	2625.0727737422	2560.458617604565	2534.474622825727	2534.36557272916575	26.09078441296968	26.09078441296968	
656	4020306	61358.8586730335	1661677.310250766	39.7059427560115	-100.5812545	364609.939259167	4405902							

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHtKgr.f	SatHtKgr.f
730	409	320653	112178.85687307335	1061677.317025076	39.790083360586486	-100.4005422	380082.684666669	405397.022055116	2711.980062639681	2546.887226221547	2543.069079849528	2543.5619665772025	341764772627357	33207.26048651527
734	409	320654	112838.85687307335	1061677.317025076	39.790075963097741	-100.3981953	380263.6247837367	405397.022489375	2711.281264518843	2545.381244046672	2545.12368209703	2545.234361030389	351.736250496402135	0.1472700508281283
738	409	320655	113498.85687307335	1061677.317025076	39.79006766602358	-100.3964884	380484.564267819	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	0	0
739	409	320656	114158.85687307335	1061677.317025076	39.79006003573064	-100.3935195	380655.5046784992	405397.024077484	2711.15815500781	2542.329350301602	2547.7665970231602	2547.651408972396	0	0
737	409	320657	114818.85687307335	1061677.317025076	39.79005217009352	-100.3911546	380886.4445660894	405381.025263103	2711.309016206488	2540.780175888588	2548.62034020949596	2548.9730840876064	0	0
739	409	320658	115478.85687307335	1061677.317025076	39.79004425911383	-100.3888077	381087.3841221435	405371.026224983	2711.459875605135	2539.2162910908317	2550.370069459402	2550.800094858177	0	0
739	409	320659	116138.85687307335	1061677.317025076	39.79003630279158	-100.3864068	381288.3280391455	405373.028258481	2708.7109382706124	2537.6382810391485	2550.245327399675	2550.7964204046204	0	0
740	409	320660	116798.85687307335	1061677.317025076	39.79002803112681	-100.3841139	381489.2631163714	405369.030131798	2706.202115174267	2536.046862766617	2551.9704804899425	2551.6370908142981	0	0
2	410	320662	1270281.1413	1061677.317025076	39.7879001975277	-100.3684884	380844.564267819	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
2	410	320663	1270281.1413	1061677.317025076	39.78541547896085	-102.1160959	233155.890518304	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
3	410	320663	1270281.1413	1061677.317025076	39.7854089463774	-102.113753	233356.958455328	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
4	410	320664	1270281.1413	1061677.317025076	39.7854662408339	-102.1114064	233558.03599114576	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
5	410	320665	1270281.1413	1061677.317025076	39.7854915881794	-102.1090599	233759.1132684368	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
6	410	320666	1270281.1413	1061677.317025076	39.7855168698076	-102.1067134	233960.1902749415	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
7	410	320667	1270281.1413	1061677.317025076	39.78554210045241	-102.1043688	234161.26702152909	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
8	410	320668	1270281.1413	1061677.317025076	39.78556728855206	-102.1020203	234362.34350485244	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
9	410	320669	1270281.1413	1061677.317025076	39.78559234134134	-102.0996737	234563.41972511675	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
10	410	320670	1270281.1413	1061677.317025076	39.78561752879849	-102.0973272	234764.495625305	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
11	410	320671	1270281.1413	1061677.317025076	39.7856428	-102.094806	234965.51737729984	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
12	410	320672	1270281.1413	1061677.317025076	39.7856758771805	-102.0926341	235166.6468096312	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
13	410	320673	1270281.1413	1061677.317025076	39.78569294918035	-102.0902875	235367.7219791393	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
14	410	320674	1270281.1413	1061677.317025076	39.78571746531089	-102.087941	235568.7968780524	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
15	410	320675	1270281.1413	1061677.317025076	39.78574235610965	-102.085694	235769.75153487047	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
16	410	320676	1270281.1413	1061677.317025076	39.78576716	-102.0832478	235970.3459187187	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
17	410	320677	1270281.1413	1061677.317025076	39.78579191711686	-102.0809013	236172.0201019355	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
18	410	320678	1270281.1413	1061677.317025076	39.7858166751485	-102.0785547	236373.0930041334	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
19	410	320679	1270281.1413	1061677.317025076	39.7858413698016	-102.0762082	236574.1675050724	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
20	410	320680	1270281.1413	1061677.317025076	39.78586601	-102.0738616	236765.24045347	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
21	410	320681	1270281.1413	1061677.317025076	39.785891642229	-102.0715919	236966.3192524075	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
22	410	320682	1270281.1413	1061677.317025076	39.7859151624077	-102.069348	237177.38473616	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
23	410	320683	1270281.1413	1061677.317025076	39.78593967055009	-102.0668219	237378.459033544	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
24	410	320684	1270281.1413	1061677.317025076	39.7859641336071	-102.0644753	237579.5310627543	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
25	410	320685	1270281.1413	1061677.317025076	39.7859885083907	-102.0621287	237780.636422152	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
26	410	320686	1270281.1413	1061677.317025076	39.7860129289512	-102.0597822	237981.6742213423	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
27	410	320687	1270281.1413	1061677.317025076	39.786037249798024	-102.0574356	238162.74852717	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
28	410	320688	1270281.1413	1061677.317025076	39.78605812129011	-102.055099	238363.8182041695	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
29	410	320689	1270281.1413	1061677.317025076	39.78608576742898	-102.0527424	238584.8882067026	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
30	410	320690	1270281.1413	1061677.317025076	39.78610958245326	-102.0503598	238785.9590595193	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
31	410	320691	1270281.1413	1061677.317025076	39.78613410374116	-102.0480493	238987.0305357934	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
32	410	320692	1270281.1413	1061677.317025076	39.7861582839236	-102.0456727	239188.106727848	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
33	410	320693	1270281.1413	1061677.317025076	39.78618225871093	-102.0433611	239389.1707316957	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
34	410	320694	1270281.1413	1061677.317025076	39.78620625819065	-102.041009	239590.2444271803	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
35	410	320695	1270281.1413	1061677.317025076	39.78623105297961	-102.038764	239791.3205297961	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
36	410	320696	1270281.1413	1061677.317025076	39.78625451117036	-102.036313	239992.370919127	405397.023163011	2711.02739090378	2545.786921783563	2545.03586976256	2545.489876939315	37.37611981243025	76.62257027301183
37	410	320697	1270281.1413	1061677.317025076	39.7862780465796									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRELEVLogKgr.ft	BRELEVBothKgr.ft	LatHtKgr.ft	SatHtBoth.ft
119	410	32779	-29061.1413	10623337.310250766	-39.788083173881288	-101.8415442	556680.2454116448	4080899.7206897	3368.83777137645626	331.114462892583	3304.6366413357905	3304.54223278381377	34.778215592605	14.57213350444525
120	410	32780	-29240.1413	10623337.310250766	-39.78810148952727	-101.8391975	55681.2937176762	4080895.57189259	3365.3109608945679	331.346848845679	3299.103740340085	3298.6321713766028	37.5338145459128	18.3158715481076324
121	410	32781	-29178.1413	10623337.310250766	-39.78812154896822	-101.8368468	55702.3417830054	4080914.42342117	3363.78464667816	331.4303189161296	3294.3026292601592	3293.9115808754987	36.801173581791045	16.9885738878226
122	410	32782	-29108.1413	10623337.310250766	-39.78814517493321	-101.8340541	55723.8961023715	4080925.57196685	3362.2574442229625	331.00422126476	3297.64659924897	3297.0562329378824	35.87558914166049	15.87558914166049
123	410	32783	-29042.1413	10623337.310250766	-39.78816515963371	-101.8321574	55748.44371971825	4080933.721216596	3357.615812682858	331.259597	3297.052976	3296.56139172649	34.26621053539948	14.698216917311
124	410	32784	-28976.1413	10623337.310250766	-39.78818147899768	-101.8298107	55765.48454443613	4080940.97948102	3350.673457831364	330.681911665926	3296.0570108922616	3295.272113981196	33.62807733661193	14.40907733661193
125	410	32785	-28910.1413	10623337.310250766	-39.78820136	-101.8274635	55786.6316534158	4080948.78491981	3348.396828384146	330.6276365720003	3295.002347395434	3294.141582290043	33.274071780459575	14.1347846099373
126	410	32786	-28844.1413	10623337.310250766	-39.788221201715885	-101.8251172	55807.5786231268	4080948.68416848	3336.1919258368	330.722794155266086	3293.722794155266086	3292.9229197191613	33.274073093286817	14.1347846099373
127	410	32787	-28781.1413	10623337.310250766	-39.7882409597005	-101.8227705	55828.62515417595	4080956.537147207	3327.86754667816	330.6305208	3292.47368301552	3291.8261028204766	33.274073093286817	14.1347846099373
128	410	32788	-28712.1413	10623337.310250766	-39.78826074	-101.8204238	55849.6715467669	4080962.24094743	3318.5127135260765	330.514132680765	3290.719172904187	3290.27200427845	33.274073093286817	14.1347846099373
129	410	32789	-28646.1413	10623337.310250766	-39.78828045476822	-101.8180771	55869.7017011008	4080958.24443415	3309.166718403572	330.4455635898893	3288.8368577030205	3288.5937164972498	33.274073093286817	14.1347846099373
130	410	32790	-28580.1413	10623337.310250766	-39.78830010311219	-101.8157303	55889.76361740462	4080954.098219205	3299.81652717194	329.81652717194	3286.430831287648	3286.580909280548	33.274073093286817	14.1347846099373
131	410	32791	-28514.1413	10623337.310250766	-39.78831971191197	-101.8133836	55902.80925958492	408094.952	3293.124634490463	328.383732556943	3283.26645042108	3283.73008307326	33.274073093286817	14.1347846099373
132	410	32792	-28448.1413	10623337.310250766	-39.78833928	-101.8110369	55923.8547366951	4080945.06421945	3289.051529357326	328.01529357326	3280.0580973308147	3279.704302402413	33.274073093286817	14.1347846099373
133	410	32793	-28382.1413	10623337.310250766	-39.7883580312315	-101.8088902	55944.8994010128	4080941.60897347	3285.058424224175	327.916715440026	3278.707112747588	3278.707112747588	33.274073093286817	14.1347846099373
134	410	32794	-28316.1413	10623337.310250766	-39.78837827911931	-101.8063434	55965.0449002321	4080945.15613603	3281.02571909104	327.8102571909104	3275.8692385471	3275.09481338576	33.274073093286817	14.1347846099373
135	410	32795	-28250.1413	10623337.310250766	-39.7883970797929	-101.803967	55986.98963547143	4080933.31	3277.086737257737	327.78742357737	3274.618018673925	3274.03411448848	33.274073093286817	14.1347846099373
136	410	32796	-28184.1413	10623337.310250766	-39.78841709510187	-101.80165	56008.0341278472	4080929.22578133	3277.0867174271772	327.78742357737	3274.6272358945125	3274.6272358945125	33.274073093286817	14.1347846099373
137	410	32797	-28118.1413	10623337.310250766	-39.78843643508744	-101.7993032	56029.078383627	4080925.01232895	3275.825011276974	327.75825011276974	3274.7565969568814	3274.7565969568814	33.274073093286817	14.1347846099373
138	410	32798	-28052.1413	10623337.310250766	-39.78845572973594	-101.7969565	56050.1224031658	4080920.93629478	3274.5513051268185	327.74513051268185	3273.18354048958	0	0	0
139	410	32799	-27986.1413	10623337.310250766	-39.78847497904732	-101.7946098	56070.1661862252	4080916.792971214	3274.9156706826107	327.749156706826107	3274.9156706826107	3274.9156706826107	33.274073093286817	14.1347846099373
140	410	32800	-27920.1413	10623337.310250766	-39.78849419	-101.792263	56092.2057334516	4080912.646	3276.918107944375	327.7619107944375	3276.918107944375	3276.918107944375	33.274073093286817	14.1347846099373
141	410	32801	-27854.1413	10623337.310250766	-39.78851341155866	-101.7898339	56110.3254449054	4080905.85489579	3275.717165	327.75717165	3275.717165	3275.717165	33.274073093286817	14.1347846099373
142	410	32802	-27788.1413	10623337.310250766	-39.78853245	-101.7875956	56130.261200587	4080904.362	3275.022924679403	327.750417394507	3275.022924679403	3275.022924679403	33.274073093286817	14.1347846099373
143	410	32803	-27722.1413	10623337.310250766	-39.788551222112	-101.7852228	56155.3386413472	4080902.91088198	3263.262557944103	327.7380893188285	3273.038893188285	3273.038893188285	33.274073093286817	14.1347846099373
144	410	32804	-27656.1413	10623337.310250766	-39.7885705455462	-101.7828761	56170.3815667317	4080996.076	3265.9392716347356	327.7225302074194	3275.38832680217	3275.38832680217	33.274073093286817	14.1347846099373
145	410	32805	-27590.1413	10623337.310250766	-39.7885982834435	-101.7805293	56190.7423317627	4080931.93366924	3268.6159853253694	327.756451936122635	3276.6159853253694	3276.6159853253694	33.274073093286817	14.1347846099373
146	410	32806	-27524.1413	10623337.310250766	-39.788608474785034	-101.7781826	56210.46607288442	408097.791323802	3291.26999016002	327.7296999016002	3276.727573303883	3276.727573303883	33.274073093286817	14.1347846099373
147	410	32807	-27458.1413	10623337.310250766	-39.78862793139834	-101.7758339	56230.9747904614	4080925.91626847	3298.4293716855406	327.7376849727348	3279.1576849727348	3279.1576849727348	33.274073093286817	14.1347846099373
148	410	32808	-27392.1413	10623337.310250766	-39.78864616274036	-101.7734891	56251.04540977548	4080925.91626847	3310.009633339848	327.7547540977548	3279.07547540977548	3279.07547540977548	33.274073093286817	14.1347846099373
149	410	32809	-27326.1413	10623337.310250766	-39.788664978612346	-101.771424	56271.1105736517	4080975.36574438	3321.5943489482476	327.80394040009	3278.434728109385	3278.434728109385	33.274073093286817	14.1347846099373
150	410	32810	-27260.1413	10623337.310250766	-39.78868372921314	-101.7687596	562912.632274773	4080971.22440188	3323.179766630716	330.2340642158874	3278.930024867436	3278.930024867436	33.274073093286817	14.1347846099373
151	410	32811	-27194.1413	10623337.310250766	-39.78870234347636	-101.7664489	56313.1632735999	4080967.08323109	3304.800472735803	330.4160770088552	3273.155418526913	3272.054699515043	33.274073093286817	14.1347846099373
152	410	32812	-27128.1413	10623337.310250766	-39.78872109440205	-101.7641021	56334.17336921261	4080962.942	3327.4915791691053	327.761193791123	3272.4915791691053	3272.4915791691053	33.274073093286817	14.1347846099373
153	410	32813	-27062.1413	10623337.310250766	-39.7887397089009	-101.7617554	56355.1744667504	4080958.01781457	3348.114885476269	330.83271885937	3271.954668953254	3270.97291250258	33.274073093286817	14.1347846099373
154	410	32814	-26996.1413	10623337.310250766	-39.78875827340486	-101.759408	56376.7947381215	4080954.61398477	3351.771165	327.75717165	3271.578994191935	3270.81455093916	33.274073093286817	14.1347846099373
155	410	32815	-26930.1413	10623337.310250766	-39.7887760215318	-101.7570169	56397.83476518677	4080952.5295989	3358.222968162795	331.01031982977	3273.360225651255	3275.075274590144	33.274073093286817	14.1347846099373
156	410	32816	-26864.1413	10623337.310250766	-39.7887952072813	-101.7547151	56418.8745648694	4080946.38136654	3367.487470428647	331.02869826352	3271.186087808795	3270.492884771923	33.274073093286817	14.1347846099373
157	410	32817	-26798.1413	10623337.310250766	-39.788811371386334	-101.7523683	56439.9143121293	4080942.27170371	3374.755566066513	331.001739829345	3271.3648049873643	3270.8088387156793	33.274073093286817	14.1347846099373
158	410	32818	-26732.1413	10623337.310250766	-39.7888321086475	-101.7500216	56452.05396711186	4080938.102314497	3380.065960306375	330.9292667546947	3271.9689525005165	3271.698249831144	33.274073093286817	14.1347846099373
159	410	32819	-26666.1413	10623337.310250766	-39.78885044	-101.7476748	56472.9925074047	4080933.61585835	3390.013196900256	330.81153594508	3272.6533711578286	3272.6533711578286	33.274073093286817	14.1347846099373
160	410	32820	-26600.1413	10623337.310250766	-39.78886874	-101.7453281	56493.0315410624	4080924.52401024	3406.774196815955	330.65044431383	3272.53496538017035	3272.53496538017035	33.274073093286817	14.1347846099373
161	410	32821	-26534.1413	10623337.310250766	-39.7888874524486	-101.742938	56514.2447931486	4080925.91626847	3417.072452861592	327.7072452861592	3271.072452861592	3271.072452861592	33.274073093286817	14.1347846099373
162	410	32822	-26468.1413	10623337.310250766	-39.7889050002626	-101.7404385	56535.108855367	4080921.547147195	3428.5019545554	330.2104168	3269.639740549013	3269.639740549013	33.274073093286817	14.1347846099373
163	410	32823	-26402.1413	10623337.310250766	-39.7889233130251	-101.								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBogKgr.f	SatHLogKgr.f	SatHBoth.f
243	410	302905	-209901.1413	1062337.3170250766	39.79025829218574	-101.5458495	282010.1020395614	4047578.910887403	3482.128293438209	3227.896711878231	3164.1289455169194	3164.8359921366437	37.767636140175	73.06071914761753
246	410	302906	-209241.1413	1062337.3170250766	39.7907260522866	-101.5430628	282211.529995099575	4047574.793006898	3481.511042159566	3236.9361279664255	3164.654422175365	3164.8359921366437	72.3195791905034	72.13539662066077
247	410	302907	-208681.1413	1062337.3170250766	39.7903742930969	-101.5415458	28242.5494969171	4047583.6797822	3489.166684987945	3236.032281423693	3171.50447423693	3164.8359921366437	73.06071914761753	73.06071914761753
248	410	302908	-207921.1413	1062337.3170250766	39.79030135022221	-101.5380809	28237.568765001	4047566.55778581	3478.1338944455	3235.070175	3177.723646968276	3179.3731759094902	72.3195791905034	72.3195791905034
249	410	302909	-207261.1413	1062337.3170250766	39.79031561231297	-101.5364621	28218.54783292555	4047562.404803753	3478.08092009022	3234.08519699552	3180.1424319601215	3179.3731759094902	72.3195791905034	72.3195791905034
250	410	302910	-206601.1413	1062337.3170250766	39.7903282899307	-101.5341152	28301.506684101	4047558.33292714	3474.0042895709502	3233.07110493478705	3179.1864093405765	3179.1864093405765	72.3195791905034	72.3195791905034
251	410	302911	-205941.1413	1062337.3170250766	39.7903400033327	-101.5317683	28316.625232307	4047554.20726734	3472.228818873237	3232.0318917845257	3173.6256976596	3173.6256976596	72.3195791905034	72.3195791905034
252	410	302912	-205281.1413	1062337.3170250766	39.79035813	-101.5294215	28347.6147375227	4047550.09065254	3470.646787812562	3230.447773459045	3168.7526214210943	3168.7526214210943	72.3195791905034	72.3195791905034
253	410	302913	-204621.1413	1062337.3170250766	39.790365238865	-101.5270746	28368.961960183	4047545.374681504	3468.026540786387	3229.810688723258	3164.8359921366437	3164.8359921366437	72.3195791905034	72.3195791905034
254	410	302914	-203961.1413	1062337.3170250766	39.7903824230554	-101.5247278	28389.1976904197	4047541.85874653	3467.04171602116	3228.60965515567	3159.30774955223	3160.6895756507	72.3195791905034	72.3195791905034
255	410	302915	-203301.1413	1062337.3170250766	39.7904002328159	-101.5223809	284020.697744372	4047537.340731997	3465.60315391032	3227.31549375958	3154.800718916726	3155.608181071655	72.3195791905034	72.3195791905034
256	410	302916	-202641.1413	1062337.3170250766	39.79041417691674	-101.5200341	284221.715324441	4047533.62163499	3463.47327688473	3225.9211944001404	3150.9087765021873	3150.9087765021873	72.3195791905034	72.3195791905034
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288	410	302948	-181521.1413	1062337.3170250766	39.79083648510088	-101.4450431	290654.1671052589	4047402.062471655	3411.653102059778	3167.689679707	3100.365357605235	3099.382459671909	72.3195791905034	72

ix	iy	ic	X.f	Y.f	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgs.f	BothKgs.f	SatThKgs.f	SatThBoth.f
371	410	303031	-126741.1413	1062337.3170250766	36.7917513984309	-112.0501399	703737.376966237	4407061.978720527	3231.0593662426127	3027.688290171792	3010.5740264071196	1014.6803776869283	17.11426376467216	13.007912484863482
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373	410	303033	-126821.1413	1062337.3170250766	36.79172704361614	-112.2813454	703739.3648462369	4407054.696359291	3219.5847933796393	3021.9438126210785	3011.5451638856589	1015.4865651328752	14.402235956112269	6.457756407206489
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410	410	303070	-101001.1413	1062337.3170250766	36.7920204925007	-112.1580678	708445.0327369025	4406892.75928273	3004.4512649716817	2923.591066	2939.467374854059	10250.7483361582571	0	0
411	410	303071	-100341.1413	1062337.3170250766	36.7920274902493	-112.1562817	708547.073626135	4406887.61587185	3005.64672598015	2921.30930358664	2932.623590040988	10250.7483361582571	0	0
412	410	303072	-99681.1413	1062337.3170250766	36.79203428020505	-112.1539747	708647.9436138623	4406884.0041318623	3004.496743722518	2919.0469127498263	2931.747065	10250.7483361582571	0	0
413	410	303073	-99021.1413	1062337.3170250766	36.7920419237963	-112.1518789	708749.9686925974	4406880.2688031725	3003.8844778999213	2917.8043899904032	2927.623591867116	10250.7483361582571	0	0
414	410	303074	-98361.1413	1062337.3170250766	36.792047886533105	-112.1492208	708849.9697821575	4406878.449067032	3001.197293817256	2914.53822992841	2924.174691951318	10250.7483361582571	0	0
415	410	303075	-97701.1413	1062337.3170250766	36.79205462168102	-112.1468738	708946.954384813	4406882.37248942	3001.17037658015	2912.386071846458	2920.3210852112147	10250.7483361582571	0	0
416	410	303076	-97041.1413	1062337.3170250766	36.79206311488811	-112.1445268	709046.954384813	4406878.296711694	3000.8644166202	2910.212809	2916.902323446852	10250.7106990017086	0	0
417	410	303077	-96381.1413	1062337.3170250766	36.792067955947765	-112.1421799	709146.954384813	4406878.296711694	3000.8644166202	2910.212809	2916.902323446852	10250.7106990017086	0	0
418	410	303078	-95721.1413	1062337.31										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevLogs.fg	SatThkLogs.fg	SatThkBoth.fg
47	40	303157	-43581.14133		1062337.317025766	39.79254529678086	-100.9544214	33261.25688213395	4005405.908079364	3030.450440866649	2853.76476	2867.150566672347	2867.884995	0
498	410	303158	-42921.14133		1062337.317025766	39.79245556831364	-100.9520704	33262.229211823	4005544.51490012	3037.53273180350515	2864.276148323496	2865.091141290267	0	0
499	410	303158	-42931.14133		1062337.317025766	39.79245484537966	-100.9499724	33263.2013997768	4005402.795144524	3038.106458989328	2863.232758989328	2862.84382007415	0	0
500	410	303160	-41401.14133		1062337.317025766	39.79246138	-100.9473804	33264.1734163216	400553.7614009505	3042.6576072459457	2853.07164065908	2859.1751661376493	2860.8859701232855	0
501	410	303161	-40941.14133		1062337.317025766	39.79246421091458	-100.9450334	33345.1452706448	4006532.683178526	3043.713424202644	2852.7846635936557	2856.8090227604944	2858.856694831695	0
502	410	303162	-40281.14133		1062337.317025766	39.79246700108714	-100.9426864	33366.1170643308	400555.628	3044.769241153947	2852.466301340036	2854.3038930222897	2856.899786371855	0
503	410	303163	-39621.14133		1062337.317025766	39.79246974591338	-100.9403394	33387.08868986874	4006524.572178983	3040.859014829225	2852.109545112257	2854.9096184849575	0	0
504	410	303164	-38961.14133		1062337.317025766	39.7924724539471	-100.9379284	33408.0599866265	4006503.51703412	3041.882755433178	2851.708515310338	2852.973659111786	1.6240962109345674	0
505	410	303165	-38301.14133		1062337.317025766	39.79247596651113	-100.9356564	33426.091311797516	400551.465149859	3043.106458989328	2851.2592032930177	2848.22121914943046	2851.1297859917764	3.038233829717764
506	410	303166	-37411.14133		1062337.317025766	39.79247770832262	-100.9333284	33447.0202334702	400552.7614009505	3045.7723296742748	2850.754389174157	2848.5371072258363	2849.341835654075	4.22132064358733
507	410	303167	-36981.14133		1062337.317025766	39.792478021776918	-100.9309514	33467.09312089816	4005608.330497981	3013.239779106479	2850.20062014557	2847.669205067217	1.567428105671661	25.31675447345151
508	410	303168	-36321.14133		1062337.317025766	39.79248278967708	-100.9286044	33487.194385115356	4005604.29892217	3013.1514063047	2849.5822904910124	2843.704115714651	2846.099383326763	5.87817411637173
509	410	303169	-35651.14133		1062337.317025766	39.79248526227466	-100.9262574	33507.2194222506	4005600.2498221307	3027.0305016143952	2848.898577107114	2842.5310624659124	2844.6293104116987	6.367514641181155
510	410	303170	-35001.14133		1062337.317025766	39.792487890039195	-100.9239104	33523.784833470724	4006496.191314151	3025.928635862333	2848.147504216294	2841.475782406794	2843.242750132946	6.668967924832515
511	410	303171	-34341.14133		1062337.317025766	39.7924912710599	-100.9215634	33547.48508581676	4006492.137873221	3035.9747832174894	2847.3154967106093	2846.457052682197	2841.899444262298	6.84799402412359
512	410	303172	-33681.14133		1062337.317025766	39.79249240882783	-100.9192165	33576.518217780084	4006489.085	3033.177262618035	2846.4038104286623	2839.4080260203196	2840.536261163297	6.9977833083427635
513	410	303173	-33021.14133		1062337.317025766	39.7924947020468	-100.9168695	33587.7951114488	4006484.031717522	3030.37942161178	2845.410879659084	2838.190683186612	2838.983273455395	7.220017479296191
514	410	303174	-32361.14133		1062337.317025766	39.7924964662361	-100.9145225	33597.76748863348	4006479.97902739	3027.5822215504318	2844.326361345834	2837.5403684224547	2837.72207140491043	6.78590923228177
515	410	303175	-31701.14133		1062337.317025766	39.79249914692333	-100.9121755	33627.73426368887	4006475.92659389	3023.32196578446	2843.148694424319	2835.832568	2836.206202851396	7.316126853790145
516	410	303176	-31041.14133		1062337.317025766	39.792501302265514	-100.9098285	33647.7036068896	4006471.874292952	3015.9800364283597	2841.873112041295	2834.8016334865847	2835.1257433359975	7.367377176102805
517	410	303177	-30381.14133		1062337.317025766	39.79250341226251	-100.9074815	33668.673260552	4006467.82230358	3008.177319388737	2840.504897482212	2834.1223452239074	2834.169725646872	6.38052582304713
518	410	303178	-29721.14133		1062337.317025766	39.79250547691452	-100.9051345	33681.6424024857	4006463.70563622	3007.374599368877	2839.303865404446	2833.8324754444337	2833.137914081415	6.2599119662109435
519	410	303179	-29061.14133		1062337.317025766	39.79250758126154	-100.9027785	33693.4113869265	4006467.013869265	2807.477192133046	2837.477192133046	2833.137914081415	2833.137914081415	3.4125617835806002
520	410	303180	-28401.14133		1062337.317025766	39.792509470183575	-100.9004045	33723.8801233396	4006456.67796379	2998.400750855321	2835.822501904581	2832.467498	2832.74239817076	3.3505041800706
521	410	303181	-27741.14133		1062337.317025766	39.7925113880002	-100.8980935	33748.54882761	4006451.6175629	2987.937382974555	2834.07971794489	2830.6464080475326	2830.75717272008	3.43043736969326
522	410	303182	-27081.14133		1062337.317025766	39.7925132802767	-100.8957465	33765.5173950333	4006447.56599851	2976.65874059579	2832.244957802044	2829.5824076018534	2829.61124058972	2.66525001929817
523	410	303183	-26421.14133		1062337.317025766	39.7925132802767	-100.8939395	33786.4885	4006443.51460032	2970.30082918748	2830.31808936392	2829.65038675407	2829.6268949227614	0.703811014
524	410	303184	-25761.14133		1062337.317025766	39.79251691258176	-100.8918765	33808.453490984	4006439.465165172	2963.986756374666	2828.34846597766	2831.176230424195	2831.206714872006	0
525	410	303185	-25101.14133		1062337.317025766	39.79251691258176	-100.8897058	33828.4219919871	4006439.465165172	2963.986756374666	2828.34846597766	2831.176230424195	2831.206714872006	0
526	410	303186	-24441.14133		1062337.317025766	39.79251691258176	-100.8865358	33849.3589171023	4006437.305301771	2951.344210852324	2828.164272920587	2831.176230424195	2831.206714872006	0
527	410	303187	-23781.14133		1062337.317025766	39.7925201825783	-100.8840115	33869.3576072804	4006423.31732213	2951.1859607606702	2821.98376722717	2843.2024528	2843.72671701328	0
528	410	303188	-23121.14133		1062337.317025766	39.792523629459836	-100.8816465	33889.3251810046	4006423.266405078	2957.201533492659	2819.750313780153	2846.213066373767	2847.237903637767	0
529	410	303189	-22461.14133		1062337.317025766	39.79252519531681	-100.8793175	33902.2959931006	4006419.217319851	2963.213506224648	2817.468774666357	2840.578641720893	2841.10646046756567	0
530	410	303190	-21801.14133		1062337.317025766	39.79252671582676	-100.8769705	33923.29596216357	4006415.168476526	2968.2254789566373	2815.1451654453385	2832.979433014689	2832.996774058093	0
531	410	303191	-21241.14133		1062337.317025766	39.79252819059887	-100.8748235	33944.226697682	4006411.119875959	2972.677046248494	2812.78514801173	2826.084167598517	2825.764154521277	0
532	410	303192	-20481.14133		1062337.317025766	39.79252962	-100.8722785	33963.4113869265	4006407.013869265	2972.677046248494	2812.78514801173	2826.084167598517	2825.764154521277	0
533	410	303193	-19821.14133		1062337.317025766	39.7925310524946	-100.8696295	33986.167	4006403.032397761	2974.42691832396	2810.717239130675	2814.765389177567	2814.13388940137	0
534	410	303194	-19161.14133		1062337.317025766	39.7925324442632	-100.8675825	34007.127631505	4006398.975522067	2975.351404378422	2805.5303502039205	2810.095307368072	2809.43306100674	0
535	410	303195	-18501.14133		1062337.317025766	39.792533821311	-100.8652355	34028.09858182185	4006384.927888117	2978.874361454319	2803.06723924626	2805.936454352125	2805.3174979478367	0
536	410	303196	-17841.14133		1062337.317025766	39.792534866548	-100.8628885	34049.0618627586	4006380.80496017	2985.020234882926	2800.7033370306	2802.228187189624	2801.6654550331336	0
537	410	303197	-17181.14133		1062337.317025766	39.79253606975158	-100.8605415	34070.026069781823	4006386.833345758	2991.16628311523	2798.091129770443	2798.902736604955	2798.405469	0
538	410	303198	-16521.14133		1062337.317025766	39.7925374703255	-100.8581945	34090.9923935501	4006382.786437331	2997.3122517401416	2796.5862273808	2795.499636352155	0	0.11118620591287254
539	410	303199	-15861.14133		1062337.317025766	39.7925389097687	-100.8559778	34110.185766908167	4006384.927888117	2998.717170279238	2795.499636352155	2795.499636352155	2795.499636352155	0
540	410	303200	-15201.14133		1062337.317025766	39.79254036291745	-100.8530055	34130.923936046	4006374.83345935	2999.69411440513	2790.56011113375	2790.56011113375	2790.56011113375	0.2310025219339874
541	410	303201	-14541.14133		1062337.317025766	39.79254044868799	-100.8511535	34150.8845500333	4006370.64127652	2998.236967645583	2787.986049410825	2788.294817119923	2787.822973369834	0.1586974099912825
542	410	303202	-13881.14133		1062337.317025766	39.7925414205946	-100.8488066	34170.89549698075	4006366.601221765	2998.7702086036	2785.439824633185	2786.0617327806294	2785.65813914097	0
543	410	303203	-13221.14133		1062337.317025766	39.79254235608575	-100.8464596	34190.02226689	4006362.55522365	3000.990356530032	2782.884040258811	2783.70550768977	2783.884040258811	0
544	410	303204	-12561.14133		1062337.317025766	39.79254324176724	-100.8441126	34210.6785342586	4006358.51064746	3005.88607388843	2780.335811257464	2781.5684415358346	2781.7409225748730	0
545	410	303205	-11901.14133		1062337.317025766	39.79254408210386	-100.8417675	34230.7502980515	4006					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BRIEVELogKgf.ft	BRIEVEBothKgf.ft	SatThkLog.s	SatThkBoth.ft
623	410	303283	39576.8586773035	39.202537	39.20257676	39.202469992021394	-00.6586998	537892.564566399	4406039.682183225	2970.9165753713874	2604.8233268222935	2637.432733510811	26.8644491823823	0
624	410	303284	40238.8586773035	39.202537	39.20257676	39.702467178252675	-00.6563528	538183.5181340017	4406035.650349359	2696.532683145995	2601.8971246927074	2633.8037340029646	26.834393407190376	0
625	410	303285	40898.8586773035	39.202537	39.20257676	39.70246911026325	-00.6564058	538343.5160494335	4406031.630136781	2690.159861259116	2600.958689571877	2630.9230270293815	26.8271584763513	0
626	410	303286	41558.8586773035	39.202537	39.20257676	39.70246155841575	-00.6516584	538585.4246868771	4406024.604115115	2684.781654201024	2599.0204186781234	2590.05211591032457	26.802595655178117	0
627	410	303287	42218.8586773035	39.202537	39.20257676	39.7024586604159604	-00.6493118	538786.378032046147	4406023.579054154	2681.824147055864	2597.09582814033	2613.4781397593565	26.817498709040043	0
628	410	303288	42878.8586773035	39.202537	39.20257676	39.7024557155606	-00.6469648	538987.3310616184	4406021.953784052	2685.1680940495207	2608.5213354282682	2608.704390430411	0	
629	410	303289	43538.8586773035	39.202537	39.20257676	39.70245278851293	-00.6446178	539188.2839539545	4406015.528396417	2680.750372588027	2593.2454854545833	2605.0860030905337	26.803560196271607	0
630	410	303290	44198.8586773035	39.202537	39.20257676	39.7024497452079	-00.6422708	539389.2884142352	4406011.240323698	2680.2140235352716	2591.26728325074	2602.79900110179087	26.8037031547461883	0
631	410	303291	44898.8586773035	39.202537	39.20257676	39.702446715182524	-00.6398238	539690.1894385675	4406005.179789031	2687.961336869267	2589.4156988197383	2601.267910172402	26.801847113280362	0
632	410	303292	45518.8586773035	39.202537	39.20257676	39.70244351050489	-00.6375768	539791.1419284671	4406003.45556485	2688.508757471921	2587.513457967305	2599.5077781451487	26.80026695834713	0
633	410	303293	46178.8586773035	39.202537	39.20257676	39.70244046047963	-00.6352298	539992.09428415407	4405999.431909372	2690.884147960834	2585.621149921358	2597.1065287604597	26.8012451927784	0
634	410	303294	46838.8586773035	39.202537	39.20257676	39.7024326510953	-00.6328828	560193.4050584154	4405995.408	2633.254903449807	2583.741940426035	2593.591440016093	25.94195460343273	0
635	410	303295	47498.8586773035	39.202537	39.20257676	39.70243042439454	-00.6305358	560393.998937289	4405991.384364279	2647.458221	2581.877405292935	2588.602851882713	25.88830367326771	0
636	410	303296	48158.8586773035	39.202537	39.20257676	39.70243073834744	-00.6281889	560594.950460232	4405987.361112687	2643.480195073213	2580.03355	2583.1908114405614	25.8315361565936	0
637	410	303297	48818.8586773035	39.202537	39.20257676	39.702427406930095	-00.6259419	560795.9026899305	4405983.38102049	2639.502163625836	2579.20836534581	2574.218361492156	25.7916251328963	0
638	410	303298	49478.8586773035	39.202537	39.20257676	39.70244043	-00.623449	560996.854056567	4405979.731332356	2635.521435784587	2576.402382249328	2576.701532145007	25.76585365978076	0
639	410	303299	50138.8586773035	39.202537	39.20257676	39.70242061	-00.6211479	561197.8056114078	4405975.292930804	2632.954057020226	2574.829393705169	2575.5814505367187	25.75402504967965	0
640	410	303300	50798.8586773035	39.202537	39.20257676	39.70241174064715	-00.6188009	561398.730137339285	4405971.270515777	2631.79355691127	2571.861360311346	2575.03811389706	25.74368884263942	0
641	410	303301	51458.8586773035	39.202537	39.20257676	39.7024136786322	-00.6164539	561599.7083228148	4405967.248468874	2630.62505683022	2571.1663543094284	2574.925420429034	25.74764960259684	0
642	410	303302	52118.8586773035	39.202537	39.20257676	39.70241006973449	-00.6141069	561800.5946798085	4405963.22662881	2629.47145729364	2569.490044890492	2574.568123545489	25.74242417806516	0
643	410	303303	52778.8586773035	39.202537	39.20257676	39.70240646260935	-00.6117599	561959.20509778	4405956.20509778	2628.70606645045	2567.4622556	2575.287296355307	25.75079503	0
644	410	303304	53428.8586773035	39.202537	39.20257676	39.70240281744299	-00.6094129	562202.5614	4405955.187375865	2628.336336959316	2566.291440168827	2562.27606272139	25.736818807139	0
645	410	303305	54088.8586773035	39.202537	39.20257676	39.70240022527847	-00.6069512	562405.1801677804	4405947.61248474	2625.131589010225	2559.5431398910245	2559.0288337622	25.708205759634	0
646	410	303306	54758.8586773035	39.202537	39.20257676	39.7023933715584	-00.604719	562604.4627887074	4405947.142	2627.596825049696	2563.3455864002	2578.2440881262582	25.765336049393215	0
647	410	303307	55418.8586773035	39.202537	39.20257676	39.70239159891892	-00.602372	562805.4132870865	4405943.121246254	2626.026718934315	2562.13722560355	2579.515087725002	25.80154117613058	0
648	410	303308	56078.8586773035	39.202537	39.20257676	39.70238776872146	-00.600025	563006.3635643463	4405939.10085533	2623.26211938399	2561.08763859585	2576.316559226714	25.7688006168717	0
649	410	303309	56738.8586773035	39.202537	39.20257676	39.7023833817928	-00.597678	563207.313890936	4405930.80076561	2620.495520745083	2560.316508732335	2569.198886002784	25.69934258450897	0
650	410	303310	57398.8586773035	39.202537	39.20257676	39.702379972292345	-00.595331	563408.2639963356	4405931.00686826	2617.728921650488	2559.056666207186	2563.6274901407173	25.6234794419791	0
651	410	303311	58058.8586773035	39.202537	39.20257676	39.702376006409654	-00.592841	563609.2139714789	4405927.41248474	2615.131589010225	2559.5431398910245	2559.0288337622	25.708205759634	0
652	410	303312	58788.8586773035	39.202537	39.20257676	39.70237197444542	-00.590537	563810.1368123573	4405923.012185041	2613.703928679634	2557.47188369012	2562.27606272139	25.736818807139	0
653	410	303313	59378.8586773035	39.202537	39.20257676	39.7023673563135	-00.58829	564011.113531082	4405919.003	2610.275141594936	2559.735644041344	2548.3672937397442	25.731951130636395	0
654	410	303314	60038.8586773035	39.202537	39.20257676	39.7023633529729	-00.5859431	564212.06101596034	4405914.98377801	2609.5452670454284	2547.180059092044	2542.0999743438692	25.74526109494822	0
655	410	303315	60698.8586773035	39.202537	39.20257676	39.7023596878671	-00.5835961	564413.01257116214	4405910.55103722	2608.34457126724	2546.20325815069185	2535.799219103996	25.740755959518895	0
656	410	303316	61358.8586773035	39.202537	39.20257676	39.7023554371416	-00.5812491	564613.6161969692	4405906.94669332	2606.34531257829	2540.57812863623	2530.7099349471206	25.7304857312598	0
657	410	303317	62018.8586773035	39.202537	39.20257676	39.70235125643151	-00.5790281	564814.9110539365	4405902.92846114	2608.485694740845	2561.003762048477	2527.7187348291972	25.7265347291972	0
658	410	303318	62718.8586773035	39.202537	39.20257676	39.7023497278898	-00.576551	565018.1628619382	4405898.91524262	2606.1426378	2541.476337420514	2524.674251150842	25.71858357863005	0
659	410	303319	63398.8586773035	39.202537	39.20257676	39.7023426437975	-00.5740281	565216.860995385	4405892.889115675	2605.6732943285	2561.9997078727626	2520.1322810690363	25.718674296939	0
660	410	303320	63998.8586773035	39.202537	39.20257676	39.7023382946358	-00.5718611	565417.579092573	4405890.875340244	2603.055924038227	2562.567908850272	2515.4751076939765	25.71542744343454	0
661	410	303321	64658.8586773035	39.202537	39.20257676	39.7023338479484	-00.5695142	565618.7066	4405886.858110016	2602.62831643722	2561.736724200217	2511.9811370942663	25.71159090773875	0
662	410	303322	65318.8586773035	39.202537	39.20257676	39.70232938476163	-00.5671672	565819.6551439487	4405882.841230318	2600.2071579280622	2560.8212900868593	2510.5479311297388	25.7062755959493	0
663	410	303323	65978.8586773035	39.202537	39.20257676	39.70232487439369	-00.5648202	566020.603692063	4405878.614237381	2602.399445587234	2564.497754724096	2510.51253288028	25.70939414229714	0
664	410	303324	66638.8586773035	39.202537	39.20257676	39.7023203188115	-00.5624732	566221.5516660798	4405874.703796139	2600.105997549752	2565.2017596028628	2561.0010347424907	25.714410148252	0
665	410	303325	67298.8586773035	39.202537	39.20257676	39.70231707122216	-00.5600448	566428.7868369582	4405868.95819915	2600.11530847472	2567.8351929147783	2562.747425130842	25.71858357863005	0
666	410	303326	67958.8586773035	39.202537	39.20257676	39.70231107122216	-00.5577927	566623.404887773	4405868.75675949	2598.53810332115	2569.07635579341	2520.1800474505	25.71542744343454	0
667	410	303327	68618.8586773035	39.202537	39.20257676	39.70230637947575	-00.5554233	566824.399939371	4405862.7592854	2583.46725858907	2567.435539720021	2542.054269799385	25.71858357863005	0
668	410	303328	69278.8586773035	39.202537	39.20257676	39.70231064238476	-00.5530853	567025.3437821426	4405858.724237094	2586.204823877383	2554.928235224195	2546.789153	25.713536653187	0
669	410	303329	69938.8586773035	39.202537	39.20257676	39.70229686994915	-00.5507383	567226.391443358	4405854.738822073	2595.457177283729	2568.80276880474	2564.398611858313	25.71542744343454	0
670	410	303330	70598.8586773035	39.202537	39.20257676	39.70229202316894	-00.5483913	567427.2389783524	4405851.796831023	2601.44402959938	2568.758007892	2568.6456314454726	25.71998493165025	0
671	410	303331	71258.8586773035											

ix	iy	ix.X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevBothKgr.ft	SatTBsht.ft	SatTBBoth.ft	
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12	41	303412	-363681.1413	106.29937310250766	38.764805308982154	-02.0926664	235170.83589828154	408761.812303025	3790.067578805595	3545.8115336273315	3484.069012880276	3480.5168925521413	67.42425035525735
13	41	303413	-363021.1413	106.29937310250766	38.76505487417955	-02.0903198	235371.910807565	408762.236087582	3787.469318	3544.080287274846	3486.170405925784	3481.9102341885414	67.90988134916188
14	41	303414	-362361.1413	106.29937310250766	38.7653041395625	-02.0879732	235572.9845561178	408763.062507668	3784.87106479305	3542.352046625784	3489.1691623525874	3481.691623525874	67.8480376662925
15	41	303415	-361701.1413	106.29937310250766	38.7655852540002	-02.0856266	235774.0598414567	408763.88702653	3782.814748118944	3540.68719618044367	3490.4587818044367	3489.4587818044367	67.814033883315
16	41	303416	-361041.1413	106.29937310250766	38.76580111511077	-02.0832739	235959.133695661	408769.713309792	3780.1096719437	3538.095824900108	3495.245722304581	3488.708931740005	67.436075955569
17	41	303417	-360381.1413	106.29937310250766	38.76604862269456	-02.0809633	236299.7607263635	408770.588529729	3777.801514257006	3537.186594583672	3494.5313388965472	3486.337458108763	67.8540424781165
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29	41	303429	-352461.1413	106.29937310250766	38.76898725252564	-02.0527738	238589.07368893	408765.46705963	3746.61469189337	3516.861645943203	3480.71736993036	3477.881166995405	67.841009346387
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32	41	303432	-350481.1413	106.29937310250766	38.76970171363756	-02.0457338	239192.284460411	408768.954605506	3737.787822	3511.832705776335	3474.942192198102	3472.988271962169	67.80303768733617
33	41	303433	-349821.1413	106.29937310250766	38.76995214909964	-02.0433872	239393.354256134	408768.784278224	3734.16628818139	3510.8268166847	3473.769377504954	3471.959168272507	67.80303768733617
34	41	303434	-349161.1413	106.29937310250766	38.7680192951852	-02.0410406	239594.4230033308	408765.44196973	3730.544734376178	3508.843268798295	3472.654482168164	3470.963011721776	67.8193148686882
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36	41	303436	-347841.1413	106.29937310250766	38.768067113733845	-02.0363473	239966.5619319463	408766.24772523	3718.893722729827	3504.925667102235	3469.313788073486	3469.313788073486	67.8193148686882
37	41	303437	-347181.1413	106.29937310250766	38.76825807231664	-02.0340628	240197.63062623	408767.33182621	3717.683315253782	3503.8612982346683	3468.97233849573	3468.97233849573	67.8193148686882
38	41	303438	-346521.1413	106.29937310250766	38.768481481611321	-02.031764	240398.5903115186	408767.93632103	3715.70237147901	3501.7583178027077	3468.505623385284	3468.505623385284	67.8193148686882
39	41	303439	-345861.1413	106.29937310250766	38.7681380005176	-02.0293073	240599.7671952692	408766.7460883	3699.18859456368	3500.107257742884	3464.988148287037	3464.250432013517	67.8193148686882
40	41	303440	-345201.1413	106.29937310250766	38.7681623156226	-02.026906	240800.831036377	408759.59887564	3692.58042945387	3498.426685339106	3464.221515403964	3463.514750960243	67.8193148686882
41	41	303441	-344541.1413	106.29937310250766	38.7681960392646	-02.024614	241001.9027550249	408765.40351638	3685.98430219097	3496.743473159014	3463.542426953307	3462.8556410976134	67.8193148686882
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44	41	303444	-342561.1413	106.29937310250766	38.76825807231664	-02.017574	241605.1041724772	408762.928914428	3677.683315253782	3501.47219776783	3462.0390134135623	3462.0390134135623	67.8193148686882
45	41	303445	-341901.1413	106.29937310250766	38.76828034856472	-02.0152273	241806.17080013565	408768.759839013	3676.75494235869	3489.964284565676	3461.674172782906	3460.96388784368	67.8193148686882
46	41	303446	-341241.1413	106.29937310250766	38.76803814763374	-02.0128807	242007.237734946	408760.4592	3676.824553	3488.290234755905	3461.313687035993	3460.6142953388103	67.8193148686882
47	41	303447	-340581.1413	106.29937310250766	38.7682273552758	-02.010534	242208.302894577	408756.4526002	3676.459915544736	3480.880149043871	3460.1733861741	3460.1733861741	67.8193148686882
48	41	303448	-339921.1413	106.29937310250766	38.768350615997274	-02.0081874	242409.36915153323	408756.25888392	3668.57144941332	3484.90414277333	3460.2711861389	3459.559274714517	67.8193148686882
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50	41	303450	-338601.1413	106.29937310250766	38.76839722581297	-02.003494	242811.5001115494	408758.526530923	3652.854237144521	3481.51218092797	3458.904111386634	3458.904111386634	67.8193148686882
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52	41	303452	-337281.1413	106.29937310250766	38.76843436933009	-01.9998007	243213.6300450573	408759.754947075	3647.14892582997	3478.1217705985	3455.60900105762	3455.60900105762	67.8193148686882
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55	41	303455	-335301.1413	106.29937310250766	38.7685126995526	-01.991706	243816.6230637767	408767.09314708	3638.125274670224	3473.030331	3451.66104586842	3451.66104586842	67.8193148686882
56	41	303456	-334641.1413	106.29937310250766	38.76853982347284	-01.989414	244017.8869339443	408762.93440024	3628.931945321137	3471.331538265403	3450.799992924427	3450.799992924427	67.8193148686882
57	41	303457	-333981.1413	106.29937310250766									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	LatNorthKgr.f	LongEastKgr.f	SatThBoth.f
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131	411	303338	-281841.1413	166.29937	3170250766	39.7902301157171744	-11.8016785	26012.190095659818	378.254747471214	3279.254747471214	3276.8328533959656	3276.180081686843	5.231462138	3.76667287278542	3.76667287278542
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133	411	303336	-280521.1413	166.29937	3170250766	39.790268794397846	-11.7969185	260504.2775544002	408222.268	3274.14287242272	3273.14287242272	3273.14287242272	0	5.231462138	3.76667287278542
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143	411	303543	-277281.1413	166.29937	3170250766	39.7903654596756	-11.7859476	261509.4939525209	408201.548	3277.010613358443	3277.010613358443	3276.851086279421	0	5.231462138	3.76667287278542
144	411	303544	-276561.1413	166.29937	3170250766	39.7903835819628	-11.7829007	261710.5363312907	408197.40561649	3280.204153002452	3280.204153002452	3279.92523407114	0	5.231462138	3.76667287278542
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM_X	UTM_Y	SurfElev.	W.Lt.	BRElevKgrg.ft	BRElevW.Lt	SatThgtKgrg.ft	SatThgtW.Lt	
261	411	303661	-199341.1413		106.29937310250766	39.2922629222913	-01.5083175	285230.2944664147	4077714.357932269	3459.2310529076994	3126.3975992010946	3136.118712579798	3137.0214342631516	30.78876763115177	79.37615595
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289	411	303689	-180861.1413		106.29937310250766	39.29266198592085	-01.4426033	290859.29536912654	407599.253011633	3410.246983681921	3166.218132740483	3098.1469316885359	3097.829981675678	68.19299916	68.78598477160711
290	411	303690	-180201.1413		106.29937310250766	39.29268173985597	-01.4402563	291060.305891283	407595.415857842	3409.04354021413	3164.67544636949	3095.54963846024	3094.66871	67.00637104	67.00637104
291	411	303691	-179541.1413		106.29937310250766	39.2926967566813	-01.4379094	291261.315295217	407591.38706004	3407.146965410456	3163.36050643704	3093.9806773411073	3093.203952469638	67.73929091	67.105655304738307
292	411	303692	-178881.1413		106.29937310250766	39.29270990623331	-01.4356524	291462.3251177401	407586.9132	3404.563425171635	3092.4234664908263	3091.64862352818	3091.64862352818	66.94316560675434	67.40271674476252
293	411	303693	-178221.1413		106.29937310250766	39.29271133655456	-01.4332155	291663.347338982	407582.825294741	3401.979940391284	3160.819521731478	3090.90878107242	3090.079481960696	66.71073466523602	67.7403934738207
294	411	303694	-177561.1413		106.29937310250766	39.29272358534604	-01.4308685	291864.341498965	407579.781928204	3399.39642806733	3159.95044008883	3089.47788055882	3088.651150764167	66.1157369603110	66.9398941471616
295	411	303695	-176901.1413		106.29937310250766	39.2927357591005	-01.4282816	292065.35336959024	407574.612805714	3397.5328215336662	3158.98588987388	3088.037791815957	3087.314040324232	66.0438991676206	66.710748486
296	411	303696	-176241.1413		106.29937310250766	39.2927478586336	-01.4261748	292266.362625754	407570.506927269	3395.701407790405	3157.201492240483	3086.381744686924	3085.674071702975	65.153718577954	65.71134148320079
297	411	303697	-175581.1413		106.29937310250766	39.29275956241365	-01.4238277	292465.37116029783	407566.40129858	3393.452540047023	3156.037880917597	3084.951643262017	3084.951643262017	64.9365539715878	65.11837900177918
298	411	303698	-174921.1413		106.29937310250766	39.29277199	-01.4214807	292668.379768473	407562.295062472	3394.107191304001	3154.89361589045	3084.9707356790523	3083.978536585634	64.9228821989285	65.147829121421
299	411	303699	-174261.1413		106.29937310250766	39.29278388828391	-01.4191338	292869.3881647819	407558.190756105	3392.6556840800914	3153.7671938979483	3083.841227800721	3082.836182364193	64.9259661	65.0278165152905
300	411	303700	-173601.1413		106.29937310250766	39.29279598204335	-01.4167688	293070.3963581802	407554.0855371	3390.907133007147	3152.657830079111	3082.8901618457867	3082.14465927032	64.766823322446	65.513107666403
301	411	303701	-172941.1413		106.29937310250766	39.29280784	-01.4144398	293271.0438486626	407549.981195399	3389.358617285756	3151.56293	3082.0602159950054	3081.6148320950606	65.9027741316041	65.94882626914922
302	411	303702	-172281.1413		106.29937310250766	39.292819201561	-01.4120929	293427.4173107433	407545.876181039	3387.4103950264019	3149.491633111363	3081.1864738818714	3080.2149590701285	65.268445205485	65.9842606985148
303	411	303703	-171621.1413		106.29937310250766	39.29283147856336	-01.4097688	293629.4610091693	407541.9031168407	3385.47362840734	3148.301317689291	3080.26018148981	3079.498928148981	65.10222961	65.9895837120167
304	411	303704	-170961.1413		106.29937310250766	39.29284384453885	-01.407399	2938374.4271067214	407537.66884275						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRElevKgr.f	BRElevBothKgr.f	SatThKLog.s	SatThKBoth.f
387	411	303787	-11681.1413	1062997.3170250766	39.7366260519425	-101.212599	110567.3560631024	407197.893	3075.9475467092548	2980.8114896945726	3007.5859360969116	3007.731860302337	0	0
388	411	303788	-115521.1413	1062997.3170250766	39.7366695483426	-101.205558	110758.3472081937	407193.809042134	3066.73673810615	2999.790677174548	2999.790677174548	2999.790677174548	0	0
389	411	303789	-114861.1413	1062997.3170250766	39.73667244125641	-101.203065	110878.735824581	407193.758342581	3075.220637538261	2999.7099451922657	2999.7099451922657	2999.7099451922657	0	0
390	411	303790	-114201.1413	1062997.3170250766	39.73668579016849	-101.202552	111060.346851309	407185.4628049855	3048.3151171269897	2972.4681054868424	2980.523407152124	2980.523407152124	0	0
391	411	303791	-113541.1413	1062997.3170250766	39.73668637168489	-102.203211	111361.3196373009	407181.56	3035.335462751133	2969.7402062417197	2968.4898464514303	2968.4898464514303	1.250369702894463	0.9285634652492263
392	411	303792	-112881.1413	1062997.3170250766	39.73701349945251	-101.200864	111562.30994554854	407177.477630859	3018.5869531268445	2948.87040669123	2955.618606196237	2955.618606196237	11.185050110500838	0
393	411	303793	-112221.1413	1062997.3170250766	39.7370028286061	-101.198517	111763.30017070655	407181.395386174	3001.838443052555	2964.3907345712355	2941.993624329524	2942.0227292415193	22.3971013823097	22.366053029716198
394	411	303794	-111561.1413	1062997.3170250766	39.7371677	-101.196169	111964.2902110944	407169.131384753	2985.089353762655	2961.765387700165	2928.82672233404	2928.82672233404	33.9391155365919	33.4209342470582
395	411	303795	-110901.1413	1062997.3170250766	39.737244125641	-101.193629	112165.296858072	407169.131384753	2988.77022472985	2941.71705644443	2916.3815274821304	2916.3815274821304	40.54752609466732	40.54752609466732
396	411	303796	-110241.1413	1062997.3170250766	39.7373200553682	-101.1914759	112366.2697434244	407161.150111603	2988.88091251621	2956.61432363994	2917.7794745858451	2917.7794745858451	47.730173012559	38.1575373163505
397	411	303797	-109581.1413	1062997.3170250766	39.73739561072194	-101.1891289	112567.2592351476	407157.068383662	2996.90900875286	2954.0886529325957	2920.386605251617	2919.94192741299	33.69204767180145	34.13846019165951
398	411	303798	-108921.1413	1062997.3170250766	39.7374076726565	-101.1867819	112768.2485441854	407152.9671131	3000.100985995263	2951.58737869603	2924.44273604762	2923.5573868415463	28.144705091240667	28.02999185445651
399	411	303799	-108261.1413	1062997.3170250766	39.7375452810786	-101.1844349	112969.2376074593	407148.90702018	3017.85719014296252	2949.008075391384	2926.576066159752	2927.423637393644	21.68537138612919	21.68537138612919
400	411	303800	-107601.1413	1062997.3170250766	39.7376194360809	-101.1820878	113170.2266150332	407144.826483993	3026.1635627304	2946.611142	2929.393707097946	2928.94580836836	17.2574378620382	16.373808040466275
401	411	303801	-106941.1413	1062997.3170250766	39.7376931765327	-101.1797408	113371.21537275464	407140.746184962	3032.6653704049838	2932.184209502093	2932.981222493382	2932.981222493382	12.02658405238342	11.22931458999246
402	411	303802	-106281.1413	1062997.3170250766	39.7377763857335	-101.177338	113572.2039676163	407136.66	3070.089104982663	2941.765271101186	2934.559114625725	2933.74197597227	7.22651247546156	6.61142951289538
403	411	303803	-105621.1413	1062997.3170250766	39.7378391803831	-101.175068	113773.192365353	407132.586316628	3080.294668780793	2939.37584868331	2936.767578069345	2937.25737808249	2.61100876396247	2.1084098750817704
404	411	303804	-104961.1413	1062997.3170250766	39.7379115215814	-101.172998	113974.1805755867	407128.2650747211	3033.342655790374	2936.8036730424	2938.3633644001306	2938.6334142649186	0	0
405	411	303805	-104301.1413	1062997.3170250766	39.73783840932874	-101.170527	114175.1686	407124.242420051	3086.39044817955	2934.61075662794	2939.5968	2939.691191152778	0	0
406	411	303806	-103641.1413	1062997.3170250766	39.73805483462444	-101.1680057	114376.1564645906	407120.343837375	3080.43823383875	2932.237261578345	2940.0937435344148	2940.0937435344148	25.5329247393644	25.5329247393644
407	411	303807	-102981.1413	1062997.3170250766	39.7381256246685	-101.1656857	114577.14413875417	407116.299497863	3089.45356628213	2929.88941869441	2939.654036	2940.059274399275	0	0
408	411	303808	-102221.1413	1062997.3170250766	39.7381963518605	-101.163317	11478.3163252947	407112.1090107	3086.434919193304	2927.567174081173	2936.327422344487	2936.70595644236	0	0
409	411	303809	-101561.1413	1062997.3170250766	39.738271125641	-101.160463	114979.1184542951	407108.112547298	3087.8112547298	2925.4121933332954	2938.459123844437	2938.459123844437	0	0
410	411	303810	-101001.1413	1062997.3170250766	39.7383304528915	-101.1586176	115180.106783304	407104.03436588	3090.40214033274	2922.942196331106	2932.873026803024	2933.05132125028	0	0
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412	411	303812	-99681.1413	1062997.3170250766	39.7384732690902	-101.1539236	115582.079804362	407095.87894783	3088.873319	2918.388837928535	2927.291085	2926.932600591464	0	0
413	411	303813	-99021.1413	1062997.3170250766	39.7385241870407	-101.1515766	115783.06639789045	407091.08156348	3095.526485264952	2916.1566571293943	2923.34276045828	2922.532766609118	0	0
414	411	303814	-98361.1413	1062997.3170250766	39.7386099371944	-101.1492295	115984.05282103566	407087.724242322	3012.179651128631	2913.935742491374	2920.80663791136	2919.261764963466	0	0
415	411	303815	-97701.1413	1062997.3170250766	39.73867733961258	-101.1468826	116185.0380472953	407084.67530073	3015.819968761226	2911.735833322854	2918.613223230872	2918.613223230872	0	0
416	411	303816	-97041.1413	1062997.3170250766	39.73874246752	-101.144535	116396.025029192	407075.570797949	3012.76031574513	2914.3092740542314	2914.3092740542314	2914.3092740542314	0	0
417	411	303817	-96381.1413	1062997.3170250766	39.73881069307226	-101.1421885	116587.0118014694	407075.494466907	3010.930563138773	2907.413313786415	2911.3585467633447	2911.3585467633447	0	0
418	411	303818	-95721.1413	1062997.3170250766	39.738876685934	-101.1398414	116787.9967788246	407071.418300915	3098.102947700954	2905.290449526015	2908.51737216921	2908.51737216921	0	0
419	411	303819	-95061.1413	1062997.3170250766	39.7389242253531	-101.1374944	116988.982299152	407067.342377959	3099.730552908524	2903.196053	2905.2682266593	2905.972357385454	0	0
420	411	303820	-94401.1413	1062997.3170250766	39.73900713113366	-101.1351474	117189.961471332	407063.26669036	3012.82173505483	2901.137544284134	2902.418712176003	2903.068835273459	0	0
421	411	303821	-93741.1413	1062997.3170250766	39.73909179432056	-101.128003	117395.0526055794	407059.19126134	3105.9121221996375	2999.988742104327	2989.62735955452	2990.54409747777	0	0
422	411	303822	-93081.1413	1062997.3170250766	39.739131228741	-101.124643	117591.39120292	407055.1617247	3108.002907	2987.08754867235	2986.825491616	2986.825491616	0.04569077261762673	0.77225627399326
423	411	303823	-92421.1413	1062997.3170250766	39.7391989844737	-101.121603	117792.9926010787	407051.041116365	3018.202843631627	2985.130205390162	2989.138098163475	2989.0405884648176	0	0
424	411	303824	-91761.1413	1062997.3170250766	39.7393621206195	-101.125793	117993.90723274794	407040.96484038	3087.531466695381	2983.195933305814	2982.3870587766123	2983.105362105958	0.80874753969112	0.90951425
425	411	303825	-91101.1413	1062997.3170250766	39.73933258331125	-101.1234122	118194.89168730425	407038.991943585	3098.3055400540107	2891.235697879797	2890.147823202434	2889.676501865082	1.618539228975358	1.618539228975358
426	411	303826	-90401.1413	1062997.3170250766	39.7393883054489	-101.1210652	118395.875964953	407038.818	3080.174943332929	2889.45104595541	2885.146739291353	2883.106262515234	4.78324935626188	6.29447830641814
427	411	303827	-89781.1413	1062997.3170250766	39.7394502163326	-101.1187182	118596.8609503046	407034.744	3073.663769723446	2887.591235177831	2886.1305719065244	2886.1305719065244	5.328064851876655	7.7438106218573
428	411	303828	-89121.1413	1062997.3170250766	39.73956116746515	-101.116371	118787.643990307	407030.67006749	3068.319524190585	2885.787721919383	2879.334627763953	2877.077121139047	4.61504430530313	8.71599105483571
429	411	303829	-88461.1413	1062997.3170250766	39.7396373305656	-101.114071	118989.827929564	407026.118713727	3065.64263670019	2884.871918891197	2879.13891197	2879.13891197	5.2466739369397814	5.2466739369397814
430	411	303830	-87801.1413	1062997.3170250766	39.73970332305566	-101.1116771	119199.8113161935	407022.532366353	3062.90130302967	2882.296481	2879.198401136473	2877.67737784017	10.08079518716806	14.622700931188077
431	411	303831	-87141.1413	1062997.3170250766	39.7396933829221	-101.10933	119400.794706839	407014.504256517	3055.90541862948	2880.599053159617	2867.767205928528	2866.296259042035	13.82734213088881	15.268703819383623
432	411	303832	-86521.1413	1062997.3170250766	39.739752973427	-101.106983	119601.77792738064	407014.97423105	3050.76481935348	2878.921879745891	2865.528625133274	2861.504319220187	12.93254612617056	17.5901695710483
433	411	303833	-85821.1413	1062997.3170250766	39.7398121644883	-101.104636	119802.760974654	407010.304970124	3045.69145215681	2877.274707				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BR ElevLogKgr.ft	BR ElevLogKgr.ft	LatHtLogKgr.ft	SatHtBoth.ft	
513	411	303913	-32021.14133	-00.992997	3170250766	39.74307082463462	-00.99168724	335880.85455993763	4026685.289983845	3029.72235061297	2843.43729304164	2837.9259275401682	2838.7270206673156	550.7801736995758	4.7067086368483615
514	411	303914	-32361.14133	-00.992997	3170250766	39.74310077072479	-00.99145253	336081.62407708163	4066681.267111132	3027.4422696	2842.94172680515	2836.422693587758	2836.9618953753244	591.6089095212399	5.382923305246095
515	411	303915	-32711.14133	-00.992997	3170250766	39.7431271746882	-00.99121473	336292.7934365453	4066677.184894841	3023.32782749049	2841.167896133084	2834.7647621413367	2835.28348625327	6.403133871984658	5.92647838797346
516	411	303916	-33014.14133	-00.992997	3170250766	39.7431426866706	-00.99098312	336483.76233767347	4066673.136927131	3017.377723525495	2839.9011253082163	2833.7275646417125	2833.704428584817	6.625086666503745	6.193676022734508
517	411	303917	-30381.14133	-00.992997	3170250766	39.74316536918416	-00.99074842	336684.7316806733	4066669.075460305	3011.4276291609754	2838.54455335814	2833.05866972066	2832.561178257631	6.485786615074165	6.089277071802291
518	411	303918	-29721.14133	-00.992997	3170250766	39.743186162399	-00.99051371	336885.7006575094	4066665.02764236	3005.4775029994043	2837.0980739045826	2831.053591306403	2831.415084445803	6.044428688179414	5.682935005020266
519	411	303919	-29061.14133	-00.992997	3170250766	39.7432062098341	-00.99027901	337086.6692931114	4066660.958667055	2999.1131815005675	2835.5621065317687	2830.049531289944	2831.5253402743015	5.202424811280274	5.008889507030882
520	411	303920	-28401.14133	-00.992997	3170250766	39.743225499665	-00.9900443	337287.637682969	4066656.92561263	2993.345863962567	2833.93787142767	2828.651673145566	2828.9285015452633	5.252713996710361	5.008889507030882
521	411	303921	-27741.14133	-00.992997	3170250766	39.7432452368573	-00.989896	337488.60872651533	4066652.873	2986.55685884381	2832.258186181913	2827.14757818117	2827.31783484605	5.079680781	4.908889763452397
522	411	303922	-27081.14133	-00.992997	3170250766	39.7432640598453	-00.98957489	337689.1545305959	406648.822	2978.77708972447	2830.43429716883	2826.128427757532	2826.1721492033	4.30581173833063	4.26211722483005
523	411	303923	-26421.14133	-00.992997	3170250766	39.743282445936	-00.98934019	337890.5242629157	406644.7177576	2971.211029213391	2828.363606586884	2826.037331101695	2825.953520686752	2.525297274668926	2.610140711621004
524	411	303924	-25761.14133	-00.992997	3170250766	39.74330037587095	-00.98910548	338091.51057139493	406640.721304918	2963.070983071837	2826.619270223884	2827.85959921105	2827.884677952218	2.40718477952181	2.40718477952181
525	411	303925	-25101.14133	-00.992997	3170250766	39.74331784870266	-00.98887707	338292.47832579137	406636.671096197	2954.751040400976	2826.603819104766	2831.393417505351	2831.648185633257	0.000000000000000	0.000000000000000
526	411	303926	-24411.14133	-00.992997	3170250766	39.743334866045	-00.9886307	338493.4549589142	406632.621129608	2946.499110494768	2822.530368	2835.786234	2836.20701138979	0.000000000000000	0.000000000000000
527	411	303927	-23761.14133	-00.992997	3170250766	39.74335143396445	-00.98840136	338694.413987387	406628.571405138	2944.717312	2820.3965540283985	2841.3249739345815	2842.100111732926	0.000000000000000	0.000000000000000
528	411	303928	-23121.14133	-00.992997	3170250766	39.74336754540223	-00.9881666	338895.3807761709	406624.5121022778	2949.407700250723	2818.210789867675	2845.8145080233476	2847.0146836917	0.000000000000000	0.000000000000000
529	411	303929	-22461.14133	-00.992997	3170250766	39.7433832053783	-00.98793195	339096.34737717675	406620.027882524	2954.09810639044	2815.97663249217	2839.19105769696	2839.8957311584973	0.000000000000000	0.000000000000000
530	411	303930	-21801.14133	-00.992997	3170250766	39.74339410108925	-00.98769725	339297.2314348135	406616.42368456	2958.78850325936	2813.70146820937	2831.257638357772	2831.48516979683	0.000000000000000	0.000000000000000
531	411	303931	-21141.14133	-00.992997	3170250766	39.7434311629442	-00.98746254	339498.24818	406612.374928288	2962.139224524493	2811.3880500337264	2824.246027329513	2824.194378	0.000000000000000	0.000000000000000
532	411	303932	-20481.14133	-00.992997	3170250766	39.7434516415344	-00.98722784	339699.2484904956	406608.326414295	2964.150269375015	2809.04178683805	2818.2415074297232	2817.988386764327	0.000000000000000	0.000000000000000
533	411	303933	-19821.14133	-00.992997	3170250766	39.7434413066221	-00.98699313	339900.2150419214	406604.27812365	2966.161314225537	2806.666544297858	2812.809865123398	2812.707439749324	0.000000000000000	0.000000000000000
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535	411	303935	-18501.14133	-00.992997	3170250766	39.7434681338591	-00.98657474	340291.6484072291	406595.182248691	2970.34182428942	2803.645194270665	2801.865827981812	2803.76417530957	0.000000000000000	0.000000000000000
536	411	303936	-17841.14133	-00.992997	3170250766	39.74348012127294	-00.98638091	340503.1137275127	406592.134778994	2972.37124925577	2799.405051168417	2800.26374261507	2800.005527	0.000000000000000	0.000000000000000
537	411	303937	-17181.14133	-00.992997	3170250766	39.7434921525523	-00.98619431	340704.0797	406587.608475164	2982.60085875246	2796.834708874827	2796.8982029750377	2796.74711256872	0.0488858978918385	0.1999673060649913
538	411	303938	-16521.14133	-00.992997	3170250766	39.74350373036934	-00.9858196	340905.05442126716	406584.004413448	2987.1071828248158	2794.47280522139	2793.7961503865718	2793.7552828264	0.6771301355670403	0.517276392749736
539	411	303939	-15861.14133	-00.992997	3170250766	39.74351485472404	-00.9855849	341106.011037625	406579.99393747	2990.5882379611353	2791.985623457196	2790.9719004019457	2790.96684	1.0191224673979378	1.0191224673979378
540	411	303940	-15201.14133	-00.992997	3170250766	39.74352525521676	-00.9853519	341306.3976000014	406575.947016056	2990.4551192482036	2788.48726878518	2788.32219063979	2788.29720777584	1.1650781454291064	1.189476574429593
541	411	303941	-14541.14133	-00.992997	3170250766	39.74353658172558	-00.9851548	341507.941810989	406571.906869272	2990.3269659677273	2786.978159710582	2786.67592734311	2786.66159734311	1.064619178414574	1.3175541843111205
542	411	303942	-13881.14133	-00.992997	3170250766	39.7435475071015	-00.98488078	341708.90672274	406565.9456861	3020.41107089422	2784.4634518420524	2783.6845147230584	2783.6845147230584	0.863150972514673	1.1620040033034033
543	411	303943	-13211.14133	-00.992997	3170250766	39.7435548175208	-00.98464607	341909.871971284	406563.8087340385	2993.335851570932	2781.342011764258	2781.1210535231444	2780.945128251022	0.820958241101378	0.959883132235654
544	411	303944	-12561.14133	-00.992997	3170250766	39.7435636745641	-00.98441137	342110.836827857	406559.763	2999.762902136256	2779.416351965615	2778.6983847942115	2778.4066338244005	0.717967114034157	0.907183831744587
545	411	303945	-11901.14133	-00.992997	3170250766	39.74357520781494	-00.98417666	342311.801621833	406555.77155396	3006.189985170959	2776.8871913636403	2776.248178194734	2776.008640288087	0.39031361699012	0.878551075533232
546	411	303946	-11241.14133	-00.992997	3170250766	39.74358	-00.98394196	342512.766188379	406551.672629569	3012.617050202593	2774.350029913052	2773.695497356626	2773.504258422311	0.695953614882209	0.8507841197493522
547	411	303947	-10581.14133	-00.992997	3170250766	39.74358752597558	-00.98370725	342713.705639997	406547.62745864	3015.37089712801	2771.371037733803	2771.119364299271	2771.154034901022	0.867025355985058	0.867025355985058
548	411	303948	-9921.14133	-00.992997	3170250766	39.74359458112956	-00.9834543	342914.694072291	406543.543	3020.41107089422	2769.26476215584	2768.176727	2768.2252899731	1.005644122081063	1.03670751080735
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.ft	W.Lt	BRIElevLogsKrg.ft	BRIElevBothKrg.ft	SatThLogs.ft	SatThBoth.ft
339	411	304039	50138.85867307335	106.299973170250766	39.79423237059413	-0.06211434	361201.8327580623	44061.765232930515	2641.9340297459197	2574.346593893874	2579.672116220003	2579.962185665545	0
640	411	304040	50178.85867307335	106.299973170250766	39.79423203560505	-0.06187694	361402.7839	44061.7251	2639.9682192387167	2572.6340625174626	2579.068416511077	2579.76400229663	0
641	411	304041	51458.85867307335	106.299973170250766	39.79423269150897	-0.06164843	361603.758	44061.687913929	2638.4967341799133	2576.7840938292576	2578.668741673711	2578.668741673711	0
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643	411	304043	52778.85867307335	106.299973170250766	39.79421958840191	-0.06117552	362005.6366228907	44061.6044054085	2636.16339650202	2567.760193615611	2579.330488999036	2579.082851880338	0
644	411	304044	53438.85867307335	106.299973170250766	39.79421596	-0.06094082	362206.256754932	44061.56432	2635.9105325272	2566.254673186405	2580.206875606144	2580.06357065676	0
645	411	304045	54098.85867307335	106.299973170250766	39.794212522994	-0.06070611	362407.5377099924	44061.5240138152	2635.658821441726	2564.834643433063	2581.276827990284	2581.273192445397	0
646	411	304046	54758.85867307335	106.299973170250766	39.794208502595	-0.06047141	362608.4877449937	44061.4834004293	2635.45649696378	2563.52489854868	2582.3882074458093	2582.64136881769	0
647	411	304047	55418.85867307335	106.299973170250766	39.79420741208714	-0.0602367	362809.4386756194	44061.44359872469	2634.6851949159304	2562.361152	2583.358763474816	2583.9651335462004	0
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649	411	304049	56738.85867307335	106.299973170250766	39.79419701473466	-0.05976729	363211.33847917336	44061.3618328028	2627.30435083407	2560.633607446224	2573.528805630912	2573.7564722361376	0
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656	411	304056	61358.85867307335	106.299973170250766	39.7941681550134	-0.05812436	364617.36469610687	44061.0813941438	2617.195869491432	2560.7505873152	2533.667106188017	2533.667106188017	26.92072700670034
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659	411	304059	63338.85867307335	106.299973170250766	39.7941557642828	-0.05742025	365220.831316249	44060.9612966176	2616.109257095213	2561.617970588814	2523.2256894003125	2523.177889680486	38.92281162658906
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664	411	304064	66638.85867307335	106.299973170250766	39.7941334	-0.05624673	366225.572620648	44060.76044	2600.9878472894782	2564.566445276541	2517.962301746466	2517.218674429634	46.0367511018432
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666	411	304066	67958.85867307335	106.299973170250766	39.79412419	-0.05577372	366627.4683218861	44060.68101519146	2584.789251947	2565.941670680814	2532.1887112462257	2531.5056260907804	37.151969434588116
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669	411	304069	69938.85867307335	106.299973170250766	39.79410997924673	-0.05507321	367230.31091999216	44060.55494384	2587.6352091105921	2568.131295056644	2517.97112760528	2517.97112760528	43.92281162658906
670	411	304070	70598.85867307335	106.299973170250766	39.7941051531431	-0.0548385	367431.258192721	44060.514964092	2590.339451089678	2568.814948300385	2561.979740346318	2561.979740346318	46.1819542058538
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672	411	304072	71918.85867307335	106.299973170250766	39.794095349324	-0.05436909	367833.152378932	44060.4319351111	2606.214624527381	2570.2863257081412	2562.026339	2561.73690251413	8.29998712081039
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674	411	304074	73238.85867307335	106.299973170250766	39.794086362597	-0.0538969	368235.046154676	44060.350045028	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	15.30821372488229
675	411	304075	73898.85867307335	106.299973170250766	39.7940823162571	-0.05366498	368435.9920841761	44060.3187695196	2617.0406939105921	2567.240217548312	2556.75621887017	2556.75621887017	18.15289382489773
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680	411	304080	77198.85867307335	106.299973170250766	39.794054538	-0.05249146	369440.7217677694	44060.1181	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	29.03186296856263
681	411	304081	77858.85867307335	106.299973170250766	39.7940494950826	-0.05225618	369641.6870783525	44060.07869694	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	31.13289382489773
682	411	304082	78518.85867307335	106.299973170250766	39.7940436196184	-0.05202206	369842.651852335	44060.037854142	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	33.2436710685024
683	411	304083	79178.85867307335	106.299973170250766	39.79403826210888	-0.05178735	370044.3615054208	44059.9973722419	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	35.3536710685024
684	411	304084	79838.85867307335	106.299973170250766	39.7940327993631	-0.05155265	370244.5003432097	44059.95761421	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	37.4646710685024
685	411	304085	80498.85867307335	106.299973170250766	39.79402729172333	-0.05131795	370445.452439774	44059.9170521138	2616.8921984442367	2566.8921984442367	2559.86110234019347	2559.86110234019347	39.5746710685024
686	411												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRRElevKgr.ft	BRRElevKgr.ft	3rdElev.ft	SatHtBoth.ft
25	412	304165	-35501.1413	30.365673170250766	39.79961446386522	-102.0621919	37778.9753262124	4008893.512047661	37565.629334469976	3523.463948460213	3485.494471450864	3481.4017109276833	37.96947700934925	42.06223755252971
26	412	304166	-35444.1413	30.365673170250766	39.79963883775454	-102.0598452	37390.0456852107	4008890.393745596	3753.5871068994193	3521.481772872413	3485.708243964439	3481.566748877304	36.7029253280532	40.1135800590937196
27	412	304167	-35379.1413	30.365673170250766	39.7996316335056	-102.0574968	37819.1175848485	4008895.168	3751.4536954232916	3520.54452320191	3484.14256320191	3480.39382708852	35.881188273598	39.7102838791495
28	412	304168	-35312.1413	30.365673170250766	39.7996744809172	-102.0551158	38392.18835244042	4008899.996	3749.232882	3518.422457157734	3482.608325144741	3479.136180052433	35.8142610290328	39.28627170371077
29	412	304169	-35261.1413	30.365673170250766	39.799711169	-102.0528051	38593.2588070868	4008876.824317002	3747.0008277116635	3516.74560286065	3481.11663	3477.909481509393	35.62897332876106	38.83216138
30	412	304170	-35180.1413	30.365673170250766	39.7997387756882	-102.0504584	38794.2300320884	4008876.256299081	3744.7867734081336	3515.0690513817336	3481.0156941346185	3478.644465481795	34.708425451517	37.12236867441413
31	412	304171	-35141.1413	30.365673170250766	39.7997602431705	-102.0481117	38995.39009442747	400886.48192131	3741.9447313958126	3513.340919007573	3477.353419	3475.0670118717935	34.60673022797444	38.33380130
32	412	304172	-35084.1413	30.365673170250766	39.79978412571831	-102.045765	39196.4680058185	400886.311102592	3738.483701806869	3511.720898979999	3475.005248969074	3472.703075569233	36.71563708092481	39.017814176572
33	412	304173	-34982.1413	30.365673170250766	39.7998069816	-102.0434163	392897.5382495408	4008901.405242929	3738.022973582565	3509.549117153291	3473.7920491389292	3468.217981871995384	36.727981871995384	39.40448658146706
34	412	304174	-34916.1413	30.365673170250766	39.79982319251588	-102.0410176	393568.8074389495	400895.50192197	3731.56147700904	3508.79784273967	3472.623961899060	3470.613371156946	34.7812037156946	37.76427162587235
35	412	304175	-34850.1413	30.365673170250766	39.7998561591205	-102.0387249	393799.6763713542	4008851.800106323	3728.7177615659334	3506.7604959048021	3471.514572851808	3468.61106786021	35.1914773867201	37.034948190085914
36	412	304176	-34784.1413	30.365673170250766	39.7998800797371	-102.0363782	40000.745064417	4008847.630666762	3720.4910265570748	3505.034210089484	3470.04202432338	3468.908143130724	34.19427614571049	36.12609788
37	412	304177	-34718.1413	30.365673170250766	39.7999035269899	-102.0340315	40201.8134642494	4008847.630666762	3714.2642957356156	3503.362095513374	3469.824595	3467.975426253093	34.7122746745	35.38635218743718
38	412	304178	-34652.1413	30.365673170250766	39.79992770289656	-102.0316848	40402.86182500228	4008839.391235206	3708.037562045207	3501.688544826385	3465.240688	3464.3431481878882	34.74478607265943	37.34530047949659
39	412	304179	-34586.1413	30.365673170250766	39.799951566145064	-102.0293381	40603.94582918759	4008835.12224443	3702.235197706249	3500.012898946088	3464.3293664450907	3463.54234525744	35.8835230100712	36.59594612035406
40	412	304180	-34501.1413	30.365673170250766	39.799973398671318	-102.0269913	40805.0171761907	4008830.953390937	3698.917200329916	3498.33479025088	3462.486252300387	3462.5484831432293	34.8485461552087	35.6863156625967
41	412	304181	-34454.1413	30.365673170250766	39.799999	-102.0246446	401006.0486547002	4008826.784761206	3691.579023073347	3496.650424154632	3462.714281762517	3461.90257470562	33.93976032114295	34.7511894488751
42	412	304182	-34381.1413	30.365673170250766	39.8000226429923	-102.0225979	41207.2150176138	4008812.613963848	3686.241205766477	3494.970594577924	3462.0134356989753	3461.216931674632	34.515719808495	33.7350629038956
43	412	304183	-34322.1413	30.365673170250766	39.80004624901313	-102.0199512	41408.2186802584	4008818.48282229	3683.465127569523	3483.284520781714	3461.378551217627	3460.586748	31.90500860544534	32.697378757129
44	412	304184	-34261.1413	30.365673170250766	39.8000938639151	-102.0176045	41609.2803208947	4008814.280411698	3683.260044	3491.95630401781	3460.796345672912	3460.000854876046	30.79500854876046	31.594755252734804
45	412	304185	-34190.1413	30.365673170250766	39.8000933184336	-102.0152578	41810.3510702908	4008810.112787851	3683.0519353453863	3490.904164	3460.241594469247	3459.3467169463294	29.66221869862944	30.46724772817073
46	412	304186	-34124.1413	30.365673170250766	39.80011676514162	-102.012911	42011.0174820978	4008805.945	3682.8438266576	3488.201307128725	3458.675945249807	3458.854754343738	28.35675698180644	29.352675698180644
47	412	304187	-34062.1413	30.365673170250766	39.80014035813264	-102.010567	42265.316546724	4008801.627675848	3680.019389	3464.378195173214	3458.955274527477	3458.179017854683	27.73017854683	24.372217678561
48	412	304188	-33992.1413	30.365673170250766	39.80016385249226	-102.0082176	42413.54910351	4008797.611392285	3672.3202513422957	3484.91531777465	3458.286473003137	3457.439528606738	25.7232405842379	27.9787897028896
49	412	304189	-33926.1413	30.365673170250766	39.80018691324964	-102.0058709	42616.4164872106	4008795.44752672	3665.379048266333	3483.123377	3457.351083888874	3456.492738030315	25.2522832442513	26.63100828829836
50	412	304190	-33860.1413	30.365673170250766	39.80021019861336	-102.0035241	42815.679575502	4008789.27359162	3658.427556479834	3481.427146	3457.106931593886	3456.334227466762	23.2021480728372	25.0917897
51	412	304191	-33794.1413	30.365673170250766	39.80023343864257	-102.0011774	43016.7444174385	4008785.121	3653.052856849823	3479.730653	3455.79460931169	3454.9693112106334	23.08129400121017	24.7610256656494
52	412	304192	-33728.1413	30.365673170250766	39.80025663333575	-101.9988307	43217.80900121378	4008780.946310434	3648.24980455659	3470.82374101668	3454.33280934134	3453.56239149033	23.6999923593363	24.47035011156604
53	412	304193	-33662.1413	30.365673170250766	39.8002792698927	-101.9964678	43418.6157840472	4008779.785965022	3645.446762024995	3469.08178329847	3453.659279749947	3452.9662638349514	23.6278963728648	24.372217678561
54	412	304194	-33596.1413	30.365673170250766	39.800305871318	-101.9941372	43614.6193071309	4008772.615269044	3641.6436994531	3473.678102	3453.296442594177	3452.91759737169	23.34477690922995	23.71330607317172
55	412	304195	-33530.1413	30.365673170250766	39.8003455339812	-101.9917905	43821.0012296841	4008768.45	3638.402217889976	3472.98169637505	3451.2685715231105	3450.662640299517	21.65997740640038	22.26552864233454
56	412	304196	-33464.1413	30.365673170250766	39.8003489584705	-101.9894437	44022.0647891023	4008761.285165941	3632.462306938974	3471.2235596196297	3450.446870233164	3450.0829123848	20.778697631326	21.14058796317588
57	412	304197	-33398.1413	30.365673170250766	39.80037192675987	-101.987097	44223.12811501618	4008760.12049477	3621.242395978857	3469.516956619476	3449.461081832405	3449.358800808236	20.052872960704	20.158156881714236
58	412	304198	-33332.1413	30.365673170250766	39.80034349436574	-101.9847502	44424.911782066	4008755.0670063	3613.84258198403	3467.807948494025	3447.361156756045	3447.41150992872	19.3647935129036	19.3647935129036
59	412	304199	-33266.1413	30.365673170250766	39.800471773	-101.9824035	44625.2359889848	4008751.7919118	3608.432810586138	3466.095673667878	3444.099283664835	3444.70509387763	19.29653973004625	19.29653973004625
60	412	304200	-33200.1413	30.365673170250766	39.800440538193746	-101.9801567	44826.316546724	4008747.627675848	3608.019389	3464.378195173214	3458.955274527477	3458.179017854683	19.2523085133926	19.2523085133926
61	412	304201	-33134.1413	30.365673170250766	39.80046354494464	-101.97771	45027.3788522626	4008743.46421537	3600.59582663363	3462.650149158038	3454.296442594177	3452.91759737169	19.78570630721633	19.71782980884
62	412	304202	-33068.1413	30.365673170250766	39.80048606781186	-101.9753633	45222.4005905496	4008739.30030746	3605.17453535576	3460.014953550526	3458.651806476157	3452.881471670054	19.2626868789546	19.2626868789546
63	412	304203	-33002.1413	30.365673170250766	39.800508727657	-101.9730165	45429.5027067803	4008735.137639565	3602.02838910595	3459.16872812759	3452.613386060401	3452.48167243032	19.6555427253823	19.6555427253823
64	412	304204	-32936.1413	30.365673170250766	39.80053143435554	-101.9706698	45630.5645273736	4008730.975	3597.155529251226	3457.414465287395	3451.07895687031507	3451.07895687031507	19.42129852558884	19.42129852558884
65	412	304205	-32870.1413	30.365673170250766	39.80054038758124	-101.968323	45831.6255651658	4008728.11984416	3592.286596095307	3455.61106079738	3450.2425652758594	3449.263534184336	19.3647935129036	19.3647935129036
66	412	304206	-32804.1413	30.365673170250766	39.8005765967441	-101.9659373	46032.6896033698	4008722.5495273	3587.40979094179	3453.85542371246	3450.352891730887	3448.814454542825	19.46296107235915	19.46296107235915
67	412	304207	-32738.1413	30.365673170250766	39.8006025829215	-101.9635825	46236.316546724	4008718.785965022	3584.281977834584	3450.091571912164	3450.091571912164	3450.091571912164	19.46296107235915	19.46296107235915
68	412	304208	-32672.1413	30.365673170250766	39.80062158270671	-101.9612827	46433.804753275	4008710.45623502	3570.84447862961	3450.331709346523	3440.470041	3449.19190644584496	19.7621497169307	19.7621497169307
69	412	304209	-32606.1413	30.365673170250766	39.8006400668308	-101.958936	46635.8682041083	4008710.16363314						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.f	W.Lt.	BR ElevLogs.kg.f	BR ElevBoth.kg.f	SatTLog.kg.f	SatTBoth.ft
277	412	304417	-188781.1413	3063657.3170250766	39.7432269771762	-101.4707834	288451.27662254005	3407849.861146045	3227.285274712328	3105.6924324394627	3104.9589370205713	78.86040678232939	79.59381220122077
278	412	304418	-188121.1413	3063657.3170250766	39.7433546518274	-101.4688364	288652.289568162	3406.176450050523	3182.763317559244	3105.326778232985	3104.581794	78.18136331854245	78.18136331854245
279	412	304419	-187661.1413	3063657.3170250766	39.7434845779752	-101.4660864	288853.301307729	3407.84164048427	3424.781056275148	3104.61954212904	3105.689834620307	78.39034323172109	78.39034323172109
280	412	304420	-186901.1413	3063657.3170250766	39.74361405088004	-101.4637424	289023.3133398032	3407.8350451166	3423.042225412793	3179.30146353624	3103.633739171765	78.6338395	74.95258351855877
281	412	304421	-186141.1413	3063657.3170250766	39.74374216857044	-101.4613954	289255.2531650425	3407.83240726261	3411.8013360800034	3177.630266272201	3103.872429347916	78.21061814302917	73.75283692428502
282	412	304422	-185481.1413	3063657.3170250766	39.7438636382816	-101.4590844	289456.336783536	3407.83911209703	3419.55646763248	3179.30146353624	3103.326623526894	78.17618041696258	73.25038364354648
283	412	304423	-184821.1413	3063657.3170250766	39.74393974036333	-101.4567014	289657.3841958445	3407.832109254483	3418.016720189233	3174.4051482738795	3102.843749588268	78.21061814302917	73.75283692428502
284	412	304424	-184161.1413	3063657.3170250766	39.74411238010054	-101.4543544	289858.35940181947	3407.832109254483	3416.670720189233	3174.4051482738795	3102.843749588268	78.21061814302917	73.75283692428502
285	412	304425	-183501.1413	3063657.3170250766	39.7442591048377	-101.4520074	290059.37004707889	3407.832109254483	3415.2877655736725	3173.343028712766	3101.659834620307	78.18136331854245	78.18136331854245
286	412	304426	-182841.1413	3063657.3170250766	39.7443759554225	-101.4496044	290250.3812	3407.832109254483	3413.92187558733	3173.343028712766	3101.659834620307	78.18136331854245	78.18136331854245
287	412	304427	-182181.1413	3063657.3170250766	39.7445013524813	-101.4473134	290461.3917845241	3407.832109254483	3412.611665500713	3168.406730396405	3100.6129912829306	78.18136331854245	78.18136331854245
288	412	304428	-181521.1413	3063657.3170250766	39.74464622961543	-101.4449664	290662.40226762684	3407.832109254483	3411.3482345576063	3165.993422812736	3099.372785920375	78.18136331854245	78.18136331854245
289	412	304429	-180861.1413	3063657.3170250766	39.7447507863243	-101.4426194	290863.4124456264	3407.832109254483	3410.084953324413	3165.613236301743	3097.7003649882626	78.18136331854245	78.18136331854245
290	412	304430	-180201.1413	3063657.3170250766	39.744847848	-101.4402723	291064.4221816505	3407.832109254483	3408.821461047495	3164.2630146780369	3096.402256641286	78.21061814302917	73.75283692428502
291	412	304431	-179541.1413	3063657.3170250766	39.7449449604307	-101.4379253	291265.4318960564	3407.832109254483	3406.83006561191232	3162.94229325667	3094.4070271064647	78.21061814302917	73.75283692428502
292	412	304432	-178881.1413	3063657.3170250766	39.74511238010054	-101.4355783	291466.4417505978	3407.832109254483	3404.118501287732	3161.8501287732	3092.83803	78.21061814302917	73.75283692428502
293	412	304433	-178221.1413	3063657.3170250766	39.7452441215901	-101.4332313	291667.4511093646	3407.832109254483	3403.3751175837	3160.3872435646987	3091.1301353968793	78.21061814302917	73.75283692428502
294	412	304434	-177561.1413	3063657.3170250766	39.7453664355205	-101.430843	291868.4602651221	3407.832109254483	3398.67052546538	3159.1514955357875	3089.863035358385	78.21061814302917	73.75283692428502
295	412	304435	-176901.1413	3063657.3170250766	39.7454882050714	-101.4285373	292069.469216343	3407.832109254483	3396.87038310257	3157.93981305158	3088.50636206065	78.21061814302917	73.75283692428502
296	412	304436	-176241.1413	3063657.3170250766	39.7456065211487	-101.426193	292270.47776363741	3407.832109254483	3394.671273823456	3156.7484493602865	3087.1895643794337	78.21061814302917	73.75283692428502
297	412	304437	-175581.1413	3063657.3170250766	39.745730837827	-101.423843	292471.4860578491	3407.832109254483	3395.149137358795	3155.576764180994	3086.53148605267	78.21061814302917	73.75283692428502
298	412	304438	-174921.1413	3063657.3170250766	39.74585808	-101.4214963	292672.4748458019	3407.832109254483	3394.284781883054	3154.423934813674	3085.798139140916	78.21061814302917	73.75283692428502
299	412	304439	-174261.1413	3063657.3170250766	39.745981001761	-101.419148	292873.502869387	3407.832109254483	3393.4891788981	3153.2841381405713	3084.13081485917	78.21061814302917	73.75283692428502
300	412	304440	-173601.1413	3063657.3170250766	39.7460902510261	-101.4168022	293074.510206456	3407.832109254483	3392.5972760419637	3152.127099101567	3083.654391953425	78.21061814302917	73.75283692428502
301	412	304441	-172941.1413	3063657.3170250766	39.7462002998868	-101.4144552	293275.5185258726	3407.832109254483	3391.670502288007	3151.067050288007	3082.6539826754645	78.21061814302917	73.75283692428502
302	412	304442	-172281.1413	3063657.3170250766	39.746327895304	-101.4121082	293476.5261801147	3407.832109254483	3390.73342875555	3149.871894540503	3081.130212799736	78.21061814302917	73.75283692428502
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304	412	304444	-170961.1413	3063657.3170250766	39.74656372580384	-101.4074124	293878.5405319416	3407.832109254483	3388.9525390514	3147.798629189483	3076.52157304043	78.21061814302917	73.75283692428502
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308	412	304448	-168321.1413	3063657.3170250766	39.747029454673	-101.3980261	294682.5671176433	3407.832109254483	3385.7323924347	3143.4174900174483	3070.51682454798	78.21061814302917	73.75283692428502
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315	412	304455	-163701.1413	3063657.3170250766	39.74783272215	-101.3815969	296069.605731238	3407.832109254483	3379.313937	3134.315969	3063.16703	78.21061814302917	73.75283692428502
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321	412	304461	-159741.1413	3063657.3170250766	39.7484985035648	-101.3675148	297295.63401419315	3407.832109254483	3373.83642558717	3125.828084	3060.746799521638	78.21061814302917	73.75283692428502
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324	412	304464	-157761.1413	3063657.3170250766	39.7488222726892	-101.3604737	297898.						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	W.Lt	BR Elev.Kg.f	BR Elev.Both.Kg.f	Lat.Both.Kg.f	Surf.Elev.	Surf.Elev.Kg.f	Surf.Both.Kg.f	
439	412	304543	-105621.1413	3063567.3170250766	39.76597035967045	-111.750562	407373.862978418	3060.251118158896	29.58,756621591957	2928.552013861202	2929.014996956038	10.20364829799323	9.740665203159551			
404	412	304544	-104961.1413	3063567.3170250766	39.7660425847457	-111.727091	407373.862296185	3066.716840203584	2926.574449559783	2926.574449559783	2926.574449559783	6.74445289654239	6.497642073451971			
405	412	304545	-104901.1413	3063567.3170250766	39.7661164383675	-111.703482	414179.256422702	3065.9372426585	2926.181602912528	2926.181602912528	2926.181602912528	3.47808910316693	3.3581914991639132			
406	412	304546	-103641.1413	3063567.3170250766	39.7661859745067	-111.681489	413480.243633922	3067.462346452675	2931.61209932177	2931.0753060798725	2931.0753060798725	0.539038326443292	0			
407	412	304547	-102981.1413	3063567.3170250766	39.7662269571921	-111.656679	414581.23105553704	3067.3155444461	2930.4316128080262	2929.2668918920957	2931.2904218165863	3.931.798033532907	0			
408	412	304548	-102321.1413	3063567.3170250766	39.76623748641395	-111.633208	414782.21829115023	3067.3146668803	2930.446534654263	2930.77963316687	2931.278567576249	0				
409	412	304549	-101661.1413	3063567.3170250766	39.76629375621722	-111.609737	414983.20534632204	3067.30938	2930.6611667530965	2928.805749817517	2929.310428525969	0				
410	412	304550	-101001.1413	3063567.3170250766	39.76646714846676	-111.582626	415184.19221292247	3068.77367326314	2932.319716715584	2927.038686279193	2927.038686279193	0				
411	412	304551	-100341.1413	3063567.3170250766	39.766536352974	-111.562795	415385.17891626975	3069.1231802983	2933.078961255468	2928.579331647471	2928.579331647471	0				
412	412	304552	-99991.1413	3063567.3170250766	39.7666050696376	-111.535324	415598.165414571	3070.07581556564	2937.17789354521	2922.437505704674	2922.437505704674	0				
413	412	304553	-99021.1413	3063567.3170250766	39.76667303356606	-111.515884	415787.1517670635	3072.07348231407	2951.5346638122664	2918.6075202231464	2918.7089914524917	0				
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417	412	304557	-96381.1413	3063567.3170250766	39.7669418435638	-111.42197	416591.095417124	3077.76.76833763	2968.69142709538	2906.785672301095	2909.1506256340625	2909.1506256340625	0			
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419	412	304559	-95061.1413	3063567.3170250766	39.7670733782568	-111.375929	416993.0661209675	3078.61618195955	2970.559025	2902.560896978927	2903.581268881166	2904.378989265364	0			
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421	412	304561	-93741.1413	3063567.3170250766	39.7672031010895	-111.328087	417395.031116611	3079.62454339938	2984.501596684074	2898.4501486322865	2896.739460054392	2897.206899902443	1.710688577894416	1.2431496420435906		
422	412	304562	-93081.1413	3063567.3170250766	39.7672672818079	-111.304616	417596.028403232	3080.47362737134	2984.0235791070358	2896.437910442103	2894.0235791070358	2895.1284892981303	2.41234536	1.311301746080062		
423	412	304563	-92421.1413	3063567.3170250766	39.767331090608	-111.281145	417797.00591483	3081.72824331441	2986.63942838293	2894.460213737705	2894.060402	2894.983162780445	4.019588512102947	0		
424	412	304564	-91761.1413	3063567.3170250766	39.7674022824804	-111.257474	417997.9897563006	3082.53520328963	2989.1513608287	2891.320162797182	2892.167964185765	1.191975856201025	0.3930796703701065			
425	412	304565	-91001.1413	3063567.3170250766	39.767471031681	-111.234247	418198.978620856	3083.124736774953	2989.759369174322	2891.320162797182	2892.167964185765	1.191975856201025	0.3930796703701065			
426	412	304566	-90041.1413	3063567.3170250766	39.7675159400253	-111.210732	418399.957818063	3084.09031707803	2988.74078044222	2884.26732059697	2882.29067907689	4.54752738354962	4.64571235133225			
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432	412	304572	-86481.1413	3063567.3170250766	39.7678914136984	-111.069949	419605.1549	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
433	412	304573	-85821.1413	3063567.3170250766	39.76794334096115	-111.046438	419806.841845556	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
434	412	304574	-85161.1413	3063567.3170250766	39.768002080057	-111.022965	420007.8237962886	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
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437	412	304577	-83181.1413	3063567.3170250766	39.768175756572	-110.952522	420610.708537008	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
438	412	304578	-82521.1413	3063567.3170250766	39.768233019134	-110.929382	420816.574967875	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
439	412	304579	-81861.1413	3063567.3170250766	39.768289973214	-110.905611	421017.732358122	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
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445	412	304585	-77901.1413	3063567.3170250766	39.768620359761	-110.765382	422218.654372108	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
446	412	304586	-77241.1413	3063567.3170250766	39.76867515912824	-110.741314	422419.6105147525	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
447	412	304587	-76581.1413	3063567.3170250766	39.7687242317425	-110.717843	422620.5819002927	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
448	412	304588	-75921.1413	3063567.3170250766	39.76877681375174	-110.694372	422821.562085727	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
449	412	304589	-75261.1413	3063567.3170250766	39.7688327808611	-110.670931	423022.542087066	3084.09031707803	2888.85152871013	2881.426629018626	2879.288271717717	5.824292379280925	7.5628329933537			
450	412	304590	-74601.1413	3063567.3170250766	39.7688880345017	-110.646743	423223.521924815	3084.09031								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BRRElevKgs.f	BRRElevKgs.f	SatThkLogs.ft	SatThkBoth.ft
529	412	304669	-22461.14133	-0036357.3170250766	39.79615145	-00.7893215	33910.4034	-0406821.72889347	2945.054251446497	2814.476735632677	2832.171414441884	2832.7601196621977	0	0
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531	412	304671	-21411.14133	-0036357.3170250766	39.79615444339303	-00.7897473	33960.3236925745	-0406815.6303257485	2948.1197867759872	2809.8718893203549	2830.631118963015	2830.931473399014	0	0
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ix	iy	Xc	Yc	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRIElevKgr.f	BRIElevKgr.f	SurfBothKgr.f	SurfBothKgr.f	
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559	412	304799	63338.8586730335	36.35657310250766	39.76598686458475	-00.52741968	365224.85330148507	4006297.366716216	2628.235022250024	2561.278200223856	2527.1326797386773	2526.9724584158442	34.1455204417853	34.32054078101615
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563	412	304803	65978.8586730335	36.35657310250766	39.7659511161264	-00.5264885	365627.6977181789	4006283.2142799	2621.892034658515	2562.786757934562	2520.675889606556	2519.814959158442	42.871798771928	42.871798771928
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583	412	304823	79198.8586730335	36.35657310250766	39.76586138126812	-00.52178168	370047.5775375389	4006201.90762799	2691.867016742082	2577.588625277997	2569.98825277997	2569.98825277997	49.34848158683257	49.34848158683257
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585	412	304825	80498.8586730335	36.35657310250766	39.7658440111595	-00.5213723	370449.4678061425	4006192.984111531	2655.403309193053	2576.814423269957	2561.1443816013348	2561.1443816013348	53.2689071608301	53.2689071608301
586	412	304826	81158.8586730335	36.35657310250766	39.765834655367	-00.52115122	370650.4120871503	4006178.9274264	2667.814529290831	2576.874188	2560.14572526968	2561.139202723393	16.63660129013702	16.63660129013702
587	412	304827	81818.8586730335	36.35657310250766	39.76582756706866	-00.52084781	370851.3578906263	4006184.961423888	2678.3290953	2577.102439659361	2559.67955458336	2560.76819458462	17.6722683806456	17.6722683806456
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589	412	304829	83138.8586730335	36.35657310250766	39.7658176231447	-00.52037389	371253.247329258	4006176.93998978	2689.8654824817685	2577.588625277997	2559.98825277997	2569.98825277997	17.58432494700448	17.58432494700448
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591	412	304831	84458.8586730335	36.35657310250766	39.7658064043326	-00.52009897	371653.1782780637	4006169.183890885	2698.012424880501	2577.86611800124	2567.9822696674076	2567.9822696674076	53.2689071608301	53.2689071608301
592	412	304832	85118.8586730335	36.35657310250766	39.7658005277261	-00.4967426	371856.805693365	4006164.9082018	2695.87419552248	2577.874875658635	2564.037169941701	2565.335429731516	13.83770571695186	12.53945927739697
593	412	304833	85778.8586730335	36.35657310250766	39.76579471175626	-00.49434956	372057.4207	4006170.9481177	2697.78873825149	2577.8738735156	2566.831161	2568.023271278186	11.04756782262273	9.8554315266422
594	412	304834	86438.8586730335	36.35657310250766	39.76578875941126	-00.4920485	372257.9687866203	4006176.589604367	2676.01402686142	2577.830055339833	2569.773021449132	2571.044733448238	5.70574839	6.78577891145032
595	412	304835	87098.8586730335	36.35657310250766	39.76578323710554	-00.4897014	372458.9217314044	4006162.80803767	2681.9209651112986	2577.79280281034	2559.95509586829	2559.95509586829	5.7740273230675	4.22917710219515
596	412	304836	87758.8586730335	36.35657310250766	39.7657762656214	-00.4873643	372659.8585182641	4006148.871251975	2696.96980904157	2577.56335315901	2570.713792406907	2570.713792406907	6.73236699	6.73236699
597	412	304837	88418.8586730335	36.35657310250766	39.7657696607964	-00.4850161	372859.7437420626	4006134.9032104	2698.1513521345377	2577.7175934934	2569.02514503211	2569.02514503211	7.72097812	7.72097812
598	412	304838	89078.8586730335	36.35657310250766	39.765764576285									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.ft	BREIElevKgr.ft	SatTbElevKgr.ft	SatTbElevKgr.ft	
41	413	304921	-345451.1413		1064317.310250766	39.791811967251384	-102.0246753	241010.2665244151	4090208.139	3697.174197666393	3456.554075483098	3458.987918840504	3459.6244758012807	37.56609355404771	36.92960036817446
42	413	304922	-345881.1413		1064317.310250766	39.791835952	-102.0222328	241211.33352657352	4090023.970633404	3693.100369521124	3454.873052598264	3458.2655233618752	3458.900364158956	35.9766726044064	
43	413	304923	-346221.1413		1064317.310250766	39.791869871924018	-102.0198817	241472.4091442268	4090719.80226167	3690.323068181537	3453.989758815	3458.211844	3458.211844	35.98081033252279	34.9778232
44	413	304924	-346561.1413		1064317.310250766	39.79189772722959	-102.0176349	241613.46655041644	4090013.6418774	3688.834765785334	3451.502590114255	3456.973638	3457.457359406478	34.52869207053507	33.95520317357709
45	413	304925	-341901.1413		1064317.310250766	39.79190628882284	-102.0152882	241814.5312494003	4090012.476527967	3687.348923818888	3449.813154288807	3456.370033003725	3456.887991108526	33.94121280581816	32.9251618028174
46	413	304926	-341241.1413		1064317.310250766	39.79192657192604	-102.0129414	242015.5984607445	4090071.298649488	3685.861033005444	3448.120937341922	3455.7578461263083	3456.260734361931	32.36309125161362	31.914202320311127
47	413	304927	-340581.1413		1064317.310250766	39.7919531971734	-102.0105946	242216.60604062644	4090031.31269337	3682.103147322666	3446.425667082003	3455.1009588253123	3455.470535	31.3250852669058	30.9554232943932
48	413	304928	-339921.1413		1064317.310250766	39.79197655819616	-102.0082478	242417.7294010023	409089.964135498	3674.0690532713549	3448.7289032517997	3454.363534	3454.6467553913403	30.943619359988	30.80214786049378
49	413	304929	-339261.1413		1064317.310250766	39.791999877124894	-102.005981	242618.79448740268	409089.964135498	3670.0349648141537	3453.931167288093	3453.931167288093	3453.931167288093	29.959436697258956	29.91637110078564
50	413	304930	-338601.1413		1064317.310250766	39.79202317303426	-102.0035542	242819.8591886644	409089.964135498	3669.0349648141537	3453.931167288093	3453.931167288093	3453.931167288093	27.9060709	27.6140357271327
51	413	304931	-337941.1413		1064317.310250766	39.79204641327487	-102.0012074	243020.9236914612	409089.964135498	3667.7724821121034	3479.83287709171	3452.439598	3452.77177183531	27.080911323639902	
52	413	304932	-337281.1413		1064317.310250766	39.79206969001927	-101.9988607	243221.98821928722	409089.964135498	3661.349720858523	3473.93393144281	3451.3504232241387	3451.3727207130455	26.95000900293423	26.56166241235618
53	413	304933	-336621.1413		1064317.310250766	39.79209276	-101.9965139	243423.0522884878	409089.964135498	3644.92708205425	3476.2312562632815	3450.668799581528	3450.66714385472	25.6236611714273	25.16421124055905
54	413	304934	-335961.1413		1064317.310250766	39.79211586359606	-101.9941671	243624.1161039511	409089.964135498	3638.5043820317513	3474.52526146022	3449.6787273153973	3449.5384463752392	24.84659100624644	24.986793040782686
55	413	304935	-335301.1413		1064317.310250766	39.79213895228796	-101.9918203	243825.1798588793	409089.964135498	3632.9591511271303	3472.8186600584812	3448.989364139556	3448.989364139556	23.9362504499133	23.9362504499133
56	413	304936	-334641.1413		1064317.310250766	39.7921619368256	-101.9894735	244026.24297450244	409089.964135498	3628.29141934468	3471.102025177796	3448.5541402776995	3448.408015336044	22.8551424608168	22.6982808
57	413	304937	-333981.1413		1064317.310250766	39.7921849054324	-101.9871267	244227.3063003023	409089.964135498	3618.267567571653	3469.39282749077	3447.776859862926	3447.748358463536	21.61570057444598	21.6444693331095
58	413	304938	-333321.1413		1064317.310250766	39.7922078	-101.9847799	244428.3683259364	409089.964135498	3612.935957579634	3467.676117025693	3446.441564	3446.441564	20.3455254297323	21.64469170430626
59	413	304939	-332661.1413		1064317.310250766	39.792230766394	-101.9824331	244629.4313824841	409089.964135498	3616.369264124523	3465.953638	3444.1329122387256	3444.398827674952	21.42287389573422	21.5565859059787
60	413	304940	-332001.1413		1064317.310250766	39.79225363239519	-101.9800863	244830.4936789793	409089.964135498	3615.867623652383	3464.274356815794	3440.441325723474	3440.78447804741	20.7861095423529	23.444897768339
61	413	304941	-331341.1413		1064317.310250766	39.792273624595006	-101.9777795	245001.55572488023	409089.964135498	3615.38081118847	3462.490954	3434.381321727945	3434.751378771947	19.8066820735684	27.7751225203513
62	413	304942	-330681.1413		1064317.310250766	39.79229906416625	-101.9753927	245202.61178101474	409089.964135498	3614.85245911009	3460.73486282517	3428.762485459533	3426.97537929487	19.39135171268456	33.768466983473474
63	413	304943	-330021.1413		1064317.310250766	39.7923249690071	-101.9730284	245403.368819254	409089.964135498	3614.31920073571	3454.251920073571	3424.251920073571	3424.251920073571	18.6899536383711216	34.4712623847541
64	413	304944	-329361.1413		1064317.310250766	39.7923444164722	-101.970699	245634.7034365337	409089.964135498	3610.90042990414	3457.215744040096	3421.7001178354662	3421.7001178354662	17.9516260490331	44.45927152705235
65	413	304945	-328701.1413		1064317.310250766	39.792367022156114	-101.9683522	245835.8013667728	409089.964135498	3591.774898979295	3455.41379836252	3407.829921436379	3407.829921436379	17.4601583994604	47.54020276646567
66	413	304946	-328041.1413		1064317.310250766	39.79238958272345	-101.9660054	246036.861734476	409089.964135498	3582.64495021677	3453.61486427427	3405.109953596917	3404.68523	16.45213326351075	49.4862556236758
67	413	304947	-327381.1413		1064317.310250766	39.792412097960884	-101.9636586	246237.922797011915	409089.964135498	3574.20113105767	3451.81395764581	3403.1203419994245	3402.603707610696	14.8893165555564	49.21205004
68	413	304948	-326721.1413		1064317.310250766	39.7924356785666	-101.9613118	246438.8299445027	409089.964135498	3566.4613078246424	3449.27279066612	3401.3099241153663	3401.3099241153663	14.0465781049468	48.56735761245766
69	413	304949	-326061.1413		1064317.310250766	39.7924592691466	-101.9588825	246640.343930325	409089.964135498	3558.715484342467	3448.119417	3401.403835214628	3401.403835214628	13.6899536383711216	47.3119623847541
70	413	304950	-325401.1413		1064317.310250766	39.79247937163485	-101.95656182	246847.102812	409089.964135498	3549.328958832344	3446.2779387385	3401.14302743297	3401.14302743297	12.9447378129775	35.2377674742811
71	413	304951	-324741.1413		1064317.310250766	39.792501705517125	-101.9542713	247042.16234572648	409089.964135498	3547.6924514451675	3444.330097	3401.480024185163	3401.480024185163	12.42580072881136	44.6299548599775
72	413	304952	-324081.1413		1064317.310250766	39.7925239046149	-101.9519245	247243.2126293146	409089.964135498	3544.883581149346	3442.3928548938	3401.2194081169305	3401.2194081169305	11.7387731948772	42.690123055102
73	413	304953	-323421.1413		1064317.310250766	39.79254623276791	-101.9495777	247444.280663964	409089.964135498	3540.07768001612	3440.422360135682	3400.914511517786	3400.914511517786	11.507845017896216	41.13865240365175
74	413	304954	-322761.1413		1064317.310250766	39.7925684514731	-101.9472709	247645.3396722135	409089.964135498	3535.26665446692	3438.41250962902	3400.543136976336	3400.543136976336	10.78693743263631	39.579094581242
75	413	304955	-322101.1413		1064317.310250766	39.79259058767765	-101.9448841	247846.3980200257	409089.964135498	3534.752181210759	3436.368823347983	3400.0970517665873	3400.0970517665873	9.83462604819901	38.0167857559973
76	413	304956	-321441.1413		1064317.310250766	39.79261264968995	-101.9425372	248047.4536276101	409089.964135498	3534.531920073571	3434.251920073571	3400.705695711116	3400.705695711116	8.6899536383711216	39.579094581242
77	413	304957	-320781.1413		1064317.310250766	39.79263475672041	-101.9401904	248248.5144043215	409089.964135498	3531.341434938394	3432.126577602105	3400.764006546857	3400.764006546857	7.54212299534473	34.85303187382525
78	413	304958	-320121.1413		1064317.310250766	39.79265673239926	-101.9378436	248449.5721920795	409089.964135498	3527.091061799193	3429.904383277757	3400.43999289951	3400.43999289951	6.396530415292485	33.58549174949121
79	413	304959	-319461.1413		1064317.310250766	39.79267874441761	-101.9354867	248650.6293136196	409089.964135498	3522.909183691223	3427.702498308403	3400.21140704783	3400.21140704783	5.295135760361973	32.984670845799
80	413	304960	-318801.1413		1064317.310250766	39.79270065705106	-101.9331499	248851.6872022388	409089.964135498	3528.76580061423	3425.42480939711	3400.31167446966	3400.31167446966	4.289364148405024	30.34046785490264
81	413	304961	-318141.1413		1064317.310250766	39.792722550756184	-101.9308031	249062.7440650344	409089.964135498	3524.622417536705	3423.925362524627	3400.6311258959582	3400.6311258959582	3.277727967712022	27.7751225203513
82	413	304962	-317481.1413		1064317.310250766	39.79274435592057	-101.9284562	249253.0058957638	409089.964135498	3520.47349439148	3420.70995369201	3400.47349439148	3400.47349439148	2.263362604819901	38.0167857559973
83	413	304963	-316821.1413		1064317.310250766	39.7927663475672041	-101.9261824	249454.3289631298	409089.964135498	3516.341434938394	3418.2579387385	3400.31167446966	3400.31167446966	1.263362604819901	38.0167857559973
84	413	304964	-316161.1413		1064317.310250766	39.79278792	-101.9237626	249655.9170655132	409089.964135498	3512.70025503575	3415.7097260557				

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurElev.	W.Lt.	BRElevBothKrg.	BRElevBothKrg.	SatHtKgs.	SatHtBoth.
167	413	350547	-261381.1413	1064317.3170250766	39.79443465880023	-101.7289705	266342.7462266068	4085004.831785134	3402.833834139131	3305.366839262677	3261.5902108420596	3261.3606198982793	41.7368242072732	43.98621297507644
168	413	350548	-260721.1413	1064317.3170250766	39.794452259	-101.7286235	266643.7805315299	4085000.941557545	3402.542623957057	3304.9216153569377	3260.5872264572504	3262.3241173991259	41.7343889976833	44.59849376578021
169	413	350549	-259601.1413	1064317.3170250766	39.79444704653866	-101.7242766	266744.816548605676	408496.816548605676	3402.2614137772095	3304.4532285905397	3259.43355990175	3259.43355990175	41.73681718673739	45.02386845327274
170	413	350550	-259401.1413	1064317.3170250766	39.79448330206	-101.7212926	266945.8323310864	408492.419633241	3401.9602035970357	3303.9528321005	3259.162760080044	3258.768693079233	44.7895240401276	45.16547390232881
171	413	350551	-258741.1413	1064317.3170250766	39.794506130410085	-101.7195827	267146.8878865339	408488.2460274093	3407.5823961128654	3302.4742820313116	3259.0888537069	3258.76770723118	44.3386566024278	44.66166738178262
172	413	350552	-258081.1413	1064317.3170250766	39.79452338495807	-101.7172357	267347.9223126381	408484.1469223038	3419.11799133124	3302.87545386688	3259.0452010972017	3258.7511058846474	44.33528289486474	45.17348090866795
173	413	350553	-257421.1413	1064317.3170250766	39.79454159	-101.7148888	267548.9583960496	408480.09899373	3430.356585547585	3302.2964053518225	3259.5424075778838	3259.3605459933378	44.75392775581878	44.9359434002877
174	413	350554	-256761.1413	1064317.3170250766	39.79455925802845	-101.7125418	267749.9371776406	408484.759361047	3442.1891817757055	3301.690330941811	3259.817596372739	3259.555739004432	44.8172734546072024	44.734981471437914
175	413	350555	-256101.1413	1064317.3170250766	39.7945767855079	-101.7101548	267951.1027618492	408471.737821377	3458.755965727783	3301.6727198672403	3260.388154845733	3260.1987580779396	44.68994661784465	44.65816778844657
176	413	350556	-255441.1413	1064317.3170250766	39.79459444973117	-101.7078473	268152.06227424	408467.46953248	3420.353249524768	3300.980271518633	3260.659074016208	3260.433206719929	44.703270425115	45.96326258705114
177	413	350557	-254781.1413	1064317.3170250766	39.79461197756592	-101.7055009	268353.09641022317	408463.46531328	3401.951855319175	3299.70838355578	3258.328426810664	3257.67682036604	44.380511494511666	44.0362592193448
178	413	350558	-254121.1413	1064317.3170250766	39.7946294600558	-101.703154	268554.1304	408459.313156699	3383.54847692373	3298.9972143313	3255.98918938958	3254.956741846764	44.00870249174486	44.04097958366575
179	413	350559	-253461.1413	1064317.3170250766	39.79464698722019	-101.700807	268755.1640910763	408455.196428505	3377.2801251023748	3298.26448580318	3253.7206603787763	3252.7491970604397	44.54352842	45.14549474307805
180	413	350560	-252801.1413	1064317.3170250766	39.7946642890327	-101.6984601	268956.197589623	408451.061743639	3382.14271754918	3297.5110341283857	3251.660604721925	3250.5240471263857	45.8504293519322	46.98702342921614
181	413	350561	-252141.1413	1064317.3170250766	39.79468163550244	-101.6961131	269157.23066116233	408446.927304104	3389.0058099959828	3297.91082391764	3250.944509222174	3248.462626	46.234999017082185	48.27468198818331
182	413	350562	-251481.1413	1064317.3170250766	39.794698936630375	-101.6937762	269356.2630519673	408442.7613010991	3394.867902447875	3295.950033110723	3248.72358114593	3246.666761708764	47.22644699129885	49.283271318844516
183	413	350563	-250821.1413	1064317.3170250766	39.794716192416075	-101.6914192	269559.29672213768	408438.569160984	3403.014259446172	3295.144599463152	3247.248236269642	3245.667398449489	47.89623361959091	49.47872200141615
184	413	350564	-250161.1413	1064317.3170250766	39.7947334285954	-101.6890722	269760.329122476	408434.524554382	3413.6022092732455	3294.323658746395	3245.5902591356603	3243.17243808387	47.933973897919	51.1517526802502
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186	413	350566	-248841.1413	1064317.3170250766	39.79476778719684	-101.6843783	270162.398126223	408426.25878063	3434.766223415987	3292.64078475615	3236.84262834101	3239.8914614562467	55.7981561345841	52.74323130136829
187	413	350567	-248181.1413	1064317.3170250766	39.79478476213628	-101.6820313	270363.425723393	408422.125818329	3432.32986335483	3291.780499701388	3235.170362708217	3232.346561924725	56.610345414299	53.3478351266322
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189	413	350569	-246861.1413	1064317.3170250766	39.79481871494223	-101.6775922	270765.488891917	408413.890618728	3459.43806187785	3289.42698747785	3231.82047110061	3231.23063079581	58.450325712468	55.4514545234935
190	413	350570	-246201.1413	1064317.3170250766	39.79483571333176	-101.6749504	270966.520110014764	408409.723867396	3456.91572034147	3288.192360644284	3230.0970276168973	3232.02779080362	59.033023738552	54.9159515673018
191	413	350571	-245541.1413	1064317.3170250766	39.79485260637868	-101.6726435	271167.5511079659	408405.596400047	3459.01843230878	3288.240319504913	3231.199459505578	3232.681783843006	57.4008824491322	55.58585826916903
192	413	350572	-244881.1413	1064317.3170250766	39.79486954033134	-101.6702965	271368.581890568	408401.44668093	3463.09234547919	3287.33812601133	3229.9526324816925	3231.4416290325485	57.38549352844029	55.9218356844671
193	413	350573	-244221.1413	1064317.3170250766	39.7948862564506	-101.6679495	271569.61824818645	408397.33126396	3466.266053	3286.429586874464	3228.775540755856	3231.34409602535	57.6536792	55.0854208102427
194	413	350574	-243561.1413	1064317.3170250766	39.79490301344642	-101.6655025	271770.6427809684	408393.201915114	3469.439161910206	3285.5143291514264	3227.662257782474	3229.134436161012	57.85207136959224	55.9054953332316
195	413	350575	-242901.1413	1064317.3170250766	39.7949197514119	-101.6632556	271978.672891789	408390.16071298	3474.5326254591725	3284.922945547725	3225.815456627341	3228.190908761	58.01770827	55.9218356844671
196	413	350576	-242241.1413	1064317.3170250766	39.794936419616338	-101.660908	272172.707723994	408387.04101514	3483.54749140073	3283.662974823119	3224.75499636	3230.294714436136	58.115487142	53.9852639290111
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198	413	350578	-240921.1413	1064317.3170250766	39.79496958115588	-101.6562246	272574.761868314	408376.6793591	3489.5439745910176	3281.78718245852	3215.547828353694	3222.54549418898	60.23225454918828	63.9084907252847
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205	413	350585	-236301.1413	1064317.3170250766	39.79508434806723	-101.6397857	273981.9617640174	408347.774331391	3489.469273838646	3274.763507304096	3214.895389684052	3218.05596527813	61.99309140129259	67.3603514594612
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208	413	350588	-234321.1413	1064317.3170250766	39.79513285910001	-101.6327448	274585.04054513001	408335.390140216	3478.910200694548	3271.53160621428	3212.07449429717	3212.07449429717	61.72638273	67.51261581528843
209	413	350589	-233661.1413	1064317.3170250766	39.7951490733676	-101.6304018	274786.0710374508	408331.2525619038	3476.82561970383	3270.42698777	3210.993818	3210.993818	61.72638273	67.51261581528843
210	413	350590	-233001.1413	1064317.3170250766	39.7951645691763	-101.6280508	274987.0978016588	408327.135238341	3475.750502017868	3269.328453481624	3209.809754474843	3210.604460179373	61.9930	

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Ln	BRrElevKgr.ft	BRrElevBothKgr.ft	SatHtElev.ft	SatHtBoth.ft
29	43	305173	-178221.1413	1064317.310250766	39.7663370765144	-101.4332472	191767.5677019447	407985.420683765	390.4080027614896	35.935983948793	3090.4902830878223	390.52506085833424	69.41092390954047	69.41092390954047
294	43	305174	-177561.1413	1064317.310250766	39.766349730264894	-101.4330001	251872.576508695	391.78133786296	3397.9446210478545	35.8962078	3088.9685038	308.964966563571	69.82711226878817	69.82711226878817
295	43	305175	-176901.1413	1064317.310250766	39.766361807532664	-101.4288653	290273.5652906311	392.97773263367	3398.947336869439	35.8747170105024	3087.577311607554	308.974924008081707	69.899532390	69.899532390
296	43	305176	-176241.1413	1064317.310250766	39.7663703945501	-101.426206	292274.597880057	407973.101074669	3395.638324766433	35.86127768273643	3086.905515548014	308.986888	69.9812362325606	69.9812362325606
297	43	305177	-175681.1413	1064317.310250766	39.766368126031976	-101.4238589	292475.620633769	407968.995084288	3395.052854672398	35.850910822595683	3085.256306472073	3084.9897177805089	69.8380179	69.8380179
298	43	305178	-174921.1413	1064317.310250766	39.766368126031976	-101.4215118	292676.6105415217	407964.889205725	3394.673446172398	35.84125768523523	3083.903211706064	308.90085242834684	70.02301406103271	70.02301406103271
299	43	305179	-174261.1413	1064317.310250766	39.76640161314946	-101.4191648	292877.618023951	407963.785705364	3393.129194073268	35.8278037840542	3083.0682776988287	308.92159090896	69.91271024073117	69.91271024073117
300	43	305180	-173601.1413	1064317.310250766	39.76642211368993	-101.4168177	293078.6259956836	407960.674404044	3391.038235033083	35.81649855573608	3082.0527583447665	308.9232684788478	69.9709721260424	69.9709721260424
301	43	305181	-172941.1413	1064317.310250766	39.76644583782404	-101.4147706	293279.6331252538	407959.5324373437	3388.947336869439	35.8032177845076	3081.023851453396	308.9142045456886	69.9297912601828	69.9297912601828
302	43	305182	-172281.1413	1064317.310250766	39.76644583782404	-101.412123	293480.644029718	407948.468356544	3386.85462236475	35.7942778960393	3079.417543988494	307.97590272725	70.0052462915325	70.0052462915325
303	43	305183	-171621.1413	1064317.310250766	39.7664576833794	-101.4097769	293681.6475111353	407943.36378626	3385.061676325135	35.783018938323	3077.889797777726	307.9287718471845	70.0042613140629	70.0042613140629
304	43	305184	-170961.1413	1064317.310250766	39.76646949236075	-101.4074294	293882.6544	407940.259644376	3383.56301416868	35.77415454518236	3076.8703767350597	307.91242041662143	70.8283696769392	70.8283696769392
305	43	305185	-170301.1413	1064317.310250766	39.76648118620585	-101.4050823	294083.6610414388	407935.15556282	3382.064353091998	35.76411889842515	3075.853032586037	307.947121840646	71.6747810206927	71.6747810206927
306	43	305186	-169641.1413	1064317.310250766	39.76649284675386	-101.4027352	294284.6673909023	407932.0517305415	3380.55699719941	35.7502592268432	3075.038888	307.926370391674226	72.7376917431413	72.7376917431413
307	43	305187	-168981.1413	1064317.310250766	39.76650449777653	-101.4003881	294485.6735650845	407927.348140141	3378.789534560819	35.74381096183055	3074.1401851435546	307.91262174778226	72.74924344	72.74924344
308	43	305188	-168321.1413	1064317.310250766	39.7665160857193	-101.398011	294686.768249277	407923.845	3376.73588426004	35.734273895127846	3073.01296445806	307.9132242312867	73.6067481507916	73.6067481507916
309	43	305189	-167661.1413	1064317.310250766	39.766527628001655	-101.3956494	294887.685683765	407919.174892332	3374.6822323071094	35.73145645146031	3068.308669144714	307.90546577836217	73.18585454559978	73.18585454559978
310	43	305190	-167001.1413	1064317.310250766	39.76653912505557	-101.3933469	295088.6913416856	407916.338343907	3372.627581623964	35.73051395379313	3067.7460454393195	307.90758142189545	72.6090018618184	72.6090018618184
311	43	305191	-166341.1413	1064317.310250766	39.766550576823726	-101.3909986	295289.696790148	407911.536	3369.64850060093	35.73009954	3066.625043705326	306.7829662215783	72.4749718771427	72.4749718771427
312	43	305192	-165681.1413	1064317.310250766	39.766561983216094	-101.3886527	295490.7695059171	407907.43352978	3368.743465460037	35.7300226617366	3065.6211092050453	306.75591000661426	72.171145699132	72.171145699132
313	43	305193	-165021.1413	1064317.310250766	39.76657334262626	-101.3863057	295691.70711260184	407903.331728458	3367.83493090122	35.7300448225098	3064.4458410759403	306.7334341189745	72.0150174175759	72.0150174175759
314	43	305194	-164361.1413	1064317.310250766	39.76658456993315	-101.3839586	295892.7119693716	407899.239485224	3367.934513300215	35.7301082355566	3063.123731733904	306.7090664356374	71.9673606156267	71.9673606156267
315	43	305195	-163701.1413	1064317.310250766	39.766596330318155	-101.381615	296093.7680770351	407895.1282126848	3367.0251842126848	35.7301778328949	3062.0047478328949	306.71484573784819	72.22334851741634	72.22334851741634
316	43	305196	-163041.1413	1064317.310250766	39.766607016	-101.3792644	296294.7210340723	407891.02580583	3351.555261	35.73021304	3059.7134573297444	305.9459021442154	72.50228375754	72.50228375754
317	43	305197	-162381.1413	1064317.310250766	39.7666183499013	-101.3769173	296495.7253412813	407886.92657158	3348.604687393324	35.73020291379213	3057.273895133028	305.72663967194999	73.62836624818482	73.62836624818482
318	43	305198	-161721.1413	1064317.310250766	39.7666249630724	-101.3745702	296696.7239999616	407882.67469988	3345.62876250955	35.730215187869035	3055.718663101728	305.7134922312289	73.7931547680755	73.7931547680755
319	43	305199	-161061.1413	1064317.310250766	39.76663558278376	-101.3722322	296897.7325967696	407878.7824	3343.6578399399	35.7302176538877	3055.845754240207	305.73453739	72.92141096474996	72.92141096474996
320	43	305200	-160401.1413	1064317.310250766	39.76665160193055	-101.3698761	297088.7380620131	407874.624	3340.0111683205645	35.73021763917	3057.11816365544	305.7031760822561	69.9565729160357	69.9565729160357
321	43	305201	-159741.1413	1064317.310250766	39.76666260018273	-101.367529	297279.7469286195	407870.732859212	3337.2357622417294	35.73021763917	3055.456173923647	305.70689339495	67.68910225616608	67.68910225616608
322	43	305202	-159081.1413	1064317.310250766	39.766673511589	-101.365181	297490.7469286195	407866.432599673	3334.450365428295	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
323	43	305203	-158421.1413	1064317.310250766	39.76668464	-101.3628348	297701.74671284395	407862.323917648	3331.222456730737	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
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325	43	305205	-157101.1413	1064317.310250766	39.76670613863905	-101.3581406	298103.7522509164	407854.12586207	3323.840623412753	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
326	43	305206	-156441.1413	1064317.310250766	39.76671691138791	-101.3557935	298304.7542753458	407850.02633771	3320.149810263771	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
327	43	305207	-155781.1413	1064317.310250766	39.7667273759068	-101.3534844	298505.7695895224	407845.58	3317.03888556666	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
328	43	305208	-155121.1413	1064317.310250766	39.76673818447275	-101.3511903	298706.7500770351	407841.021790439	3314.507847156104	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
329	43	305209	-154461.1413	1064317.310250766	39.766748953673	-101.3487522	298907.7606583038	407837.73063526	3311.97808746538	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
330	43	305210	-153801.1413	1064317.310250766	39.766759544121954	-101.3464051	299108.76264296315	407833.63280764	3309.445703349717	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
331	43	305211	-153141.1413	1064317.310250766	39.76677008884525	-101.3440581	299309.7642308325	407829.1652915019	3307.146788553427	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
332	43	305212	-152481.1413	1064317.310250766	39.7667805841704	-101.341711	299510.765252971	407825.43765648	3305.11079863	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
333	43	305213	-151821.1413	1064317.310250766	39.7667910424261	-101.3393639	299711.7668182697	407821.340525314	3303.0139822505074	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
334	43	305214	-151161.1413	1064317.310250766	39.76680161	-101.3370168	299912.76158002	407817.243592102	3301.944601746228	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
335	43	305215	-150501.1413	1064317.310250766	39.7668121745487	-101.334768	300113.7684922587	407813.2198417	3300.87473498556	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
336	43	305216	-149841.1413	1064317.310250766	39.76682213284155	-101.332226	300314.76873081676	407809.05269014	3300.45241695925	35.73021763917	3055.456173923647	305.70689339495	67.1450794453249	67.1450794453249
337	43	305217	-149181.1413	1064317.310250766	39.76683240558194	-101.3299755	300515.7694402006	407804.954	3300.1154027479884	35.73021763917	3055.456173923647			

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BREIEvLgKgr.ft	BREIEvBothKgr.ft	SatHtLgKgr.ft	SatHtBoth.ft
419	413	305299	-95061.14133	1064317.3170250766	39.7975204500775	-11.1375113	116987.1501330541	407469.890257398	3801.3874973144875	2901.954050979846	2901.410921339394	2902.41031100509086	0.5395296404222014
420	413	305300	-94401.14133	1064317.3170250766	39.79752696	-11.1351462	117198.13495928457	3807.27319	2899.8746454678587	2897.385206141382	2898.7171943534964	24894.38326474894	1.7034511105102685
421	413	305301	-93741.14133	1064317.3170250766	39.797534427657	-11.132917	117399.1196	407461.7394366287	3805.188971616218	2897.32391915503	2898.72391915503	3.139374115207279	2.4539634880808275
422	413	305302	-93009.14133	1064317.3170250766	39.7975394576592	-11.1304619	117600.1047818283	407457.663	3099.04457095525	2897.300405531453	2893.10826423873	2893.503535939554	2.58433583986
423	413	305303	-92421.14133	1064317.3170250766	39.7975462186655	-11.1281227	117801.0883726405	407457.663	3099.07005134121	2897.3167563154616	2892.642701368814	2893.714027338113	1.740549466476295
424	413	305304	-91761.14133	1064317.3170250766	39.7975525461965	-11.1257756	118002.07748270425	407449.513	3093.23256	2891.85446858635	2889.985508662385	2890.904111934187	1.9503492443700452
425	413	305305	-91101.14133	1064317.3170250766	39.7975588239457	-11.1232484	118203.05642572284	407449.513	3097.40046847099	2889.920345880656	2887.424387784293	2887.89359603121	2.0267486368430097
426	413	305306	-90441.14133	1064317.3170250766	39.79756055241976	-11.1210813	118404.004018751386	407441.361343982	3801.56567703758	2887.01796550295	2882.69865166033	2880.718645974708	1.53193844941917
427	413	305307	-89781.14133	1064317.3170250766	39.797571256741556	-11.118734	118605.0257726222	407429.238815569	3806.79851362316	2892.74184661798	2879.186075321514	2877.7970057639312	0.895918126486987
428	413	305308	-89121.14133	1064317.3170250766	39.7975740289338	-11.116387	118806.0071812459	407433.215	3071.527277703587	2884.307115596783	2877.106911886939	2874.85366752514	7.20024079236195
429	413	305309	-88461.14133	1064317.3170250766	39.7975833069739	-11.1140398	119006.99041360384	407429.14088789	3806.854943738984	2882.496700712426	2877.492303899935	2876.8050827075485	5.00332972
430	413	305310	-87801.14133	1064317.3170250766	39.79758959153614	-11.1116927	119207.97346990183	407420.067290407	3062.1376087072328	2880.7413485	2869.28306655478	2867.588205899218	1.1431298747711935
431	413	305311	-87141.14133	1064317.3170250766	39.7975956926199	-11.1093455	119408.9556353363	407425.95332475	3058.0012652422067	2878.95878352243	2866.9749087845726	2865.2847185986564	1.983699540670235
432	413	305312	-86481.14133	1064317.3170250766	39.797601534022554	-11.1069984	119609.9390551181	407420.067290407	3054.4435905189675	2877.228285719677	2863.5996235670045	2861.63897251595764	1.6328662652682407
433	413	305313	-85821.14133	1064317.3170250766	39.797607453435255	-11.1046512	119810.91251884456	407412.847665173	3050.8945478551187	2875.521988066452	2861.07842441053	2859.081324	1.443325925399211
434	413	305314	-85161.14133	1064317.3170250766	39.79761332750011	-11.1023041	120011.9038385524	407408.75330041	3047.335190520627	2873.871360332662	2858.5143616969024	2856.521655336364	13.322774333763846
435	413	305315	-84501.14133	1064317.3170250766	39.79761915621711	-11.0999659	120212.88611761737	407404.702842042	3043.38233986781	2872.178437751183	2855.9215041077064	2853.9384554883272	12.205339667411938
436	413	305316	-83841.14133	1064317.3170250766	39.79762494	-11.0976098	120413.8681218554	407400.63090946	3039.031995573017	2870.538876690137	2853.3179196032966	2851.262365336863	17.20560696771116
437	413	305317	-83181.14133	1064317.3170250766	39.7976307760741	-11.0952626	120614.8490514726	407396.558914364	3034.681652020765	2868.887896562	2850.726537188776	2848.7843586559857	18.1592510685007
438	413	305318	-82521.14133	1064317.3170250766	39.797636730280706	-11.0929155	120815.831606675	407392.487262349	3026.7338901286102	2867.2538901286102	2848.1769525128925	2846.266285	20.101430360490
439	413	305319	-81861.14133	1064317.3170250766	39.79764201760612	-11.0905693	121016.8136707638	407394.51859339	3021.87485293897	2865.64261633698	2848.46062959389	2846.018452741407	19.16400726344047
440	413	305320	-81201.14133	1064317.3170250766	39.79764761953537	-11.0882212	121217.734934691	407384.34468096	3018.323185534965	2864.9354291159876	2848.0375195795823	2846.081953172745	17.9650235993206
441	413	305321	-80541.14133	1064317.3170250766	39.797712857071	-11.085361	121435.653786927	407379.73780523	3016.748077971924	2862.748077971924	2847.019611442216	2845.508131228291	19.892759743068729
442	413	305322	-79891.14133	1064317.3170250766	39.7976586748427	-11.0832699	121619.756487483	407376.20306793	2984.21258461375	2860.728395	2831.23953911575	2825.685526137324	29.6408692503943
443	413	305323	-79221.14133	1064317.3170250766	39.79766345328336	-11.0811797	121820.7372737143	407372.1643399	2973.4001740660383	2859.086235383493	2828.690397488917	2823.7183258385903	30.3958377
444	413	305324	-78561.14133	1064317.3170250766	39.79766957	-11.0788326	122021.719	407368.062458395	2964.3322736385	2855.4356691679914	2827.3547032199367	2822.98780643040	30.08006548054564
445	413	305325	-77901.14133	1064317.3170250766	39.79767494251686	-11.0764854	122222.68326555	407363.992509131	2955.2632601672	2855.740562152703	2825.9962495868103	2822.195647611307	29.770662845994
446	413	305326	-77241.14133	1064317.3170250766	39.79768027914139	-11.0741783	122423.6786	407359.92202831	2946.1953910594983	2854.099263802021	2824.4350780499726	2821.2014709721693	29.617652548525
447	413	305327	-76581.14133	1064317.3170250766	39.79768596383838	-11.0717813	122624.6368984986	407351.9781	2938.13570615958	2852.410586728254	2822.517947593921	2819.534118941848	29.48927501399372
448	413	305328	-75921.14133	1064317.3170250766	39.79769137621512	-11.069444	122825.082876765	407351.784	2925.08070723407	2851.73471985332	2821.73471985332	2820.830923686312	29.4975164524297
449	413	305329	-75261.14133	1064317.3170250766	39.79769599672245	-11.0670908	123026.618361375	407347.71543397	2912.83028047148	2849.03183066312	2820.955687687375	2818.73706020318	29.4056297547744
450	413	305330	-74601.14133	1064317.3170250766	39.79770115220095	-11.0647496	123225.719640929	407342.6440929	2902.982089505077	2847.3026257620204	2817.415761275118	2815.433642366474	28.8860640502587
451	413	305331	-73941.14133	1064317.3170250766	39.79770624836969	-11.0624205	123428.57734657964	407339.5719916	2891.50410486497	2845.583236893213	2813.076854760871	2811.9623807294772	33.62058622305042
452	413	305332	-73281.14133	1064317.3170250766	39.7977113061125	-11.0600653	123629.55681667	407335.50967245	2887.285495257053	2843.85703569197	2810.008427326117	2809.09125499385	34.76571815908196
453	413	305333	-72621.14133	1064317.3170250766	39.79771631952474	-11.057782	123830.535654221	407331.44168433	2880.87080276046	2842.128035947198	2808.766871529403	2805.90359341137	36.357853866136
454	413	305334	-71961.14133	1064317.3170250766	39.7977212857071	-11.055361	124031.5143807045	407327.37307543	2880.40410092244	2840.40410092244	2807.1919611442216	2805.41176946568	29.8774144077746
455	413	305335	-71301.14133	1064317.3170250766	39.7977260748753	-11.0530139	124232.892598196	407327.37307543	2878.8730745506146	2838.75711989274	2817.756982	2817.862901197979	28.896393869383
456	413	305336	-70641.14133	1064317.3170250766	39.7977310389678	-11.0506667	124433.478108965	407319.23115126	2878.78129997576	2837.0059858432	2812.895470684747	2812.27864904368	15.51129173657357
457	413	305337	-69981.14133	1064317.3170250766	39.79773591485793	-11.0483195	124634.4501914205	407315.17208381	2885.68955249018	2837.0705120172606	2819.8357021384736	2819.7845610100903	17.27583897631298
458	413	305338	-69321.14133	1064317.3170250766	39.797740700670985	-11.0459724	124835.42840168986	407311.105295136	2891.597570834064	2837.0621969953504	2817.543495159633	2817.53223868158	20.05870153571732
459	413	305339	-68661.14133	1064317.3170250766	39.79774540130827	-11.0436252	125036.4064617821	407307.34887759	2891.2025358216692	2835.35826120503	2812.46294688733	2810.52956173073564	18.8929782314987
460	413	305340	-68001.14133	1064317.3170250766	39.7977501365506	-11.0412781	125237.3844120562	407303.84454743	2890.1530389193	2839.153576345807	2836.224791034404	2835.64263938197	23.5925993361025053
461	413	305341	-67341.14133	1064317.3170250766	39.7977558635577	-11.038934	125438.336336333	407299.80581698	2887.802486981698	2837.802486981698	2835.34675811414	2834.524671414	24.89396171846598
462	413	305342	-66681.14133	1064317.3170250766	39.79775939004427	-11.0365837	125639.336439301	407294.874051043	2884.2110564312406	2837.70112380239	2835.68635730896	2835.41795397394	20.89281097129424
463	413	305343	-66021.14133	1064317.3170250766	39.79776394916584	-11.0342366	125840.326	407290.74997061	2953.68676786804	2841.486827575597	2875.8489417141564	2875.971951032327	0
464	413	305344	-65361.14133	1064317.3170250766	39.7977684640775	-11.0318894	126041.294198745	407286.79067026	2965.581125507767	2842.2160636179933	2833.72550071963	2832.640527168714	0
465	413	305345	-64701.14133	1064317.3170250766	39.79777293091681	-11.0295423	126242.2712227781	407282.64458032	2877.464270450103	2841.97209076889	2888.512593	2888.9040669912533	0
466	413	305346	-64041.14133	1064317.3170250766	39.7977773384465	-11.0271951	126443.2480781935	407278.5793067	2898.347301183214	2843.58713688829	2849.190284945903	2849.22822033939	0
467	413	305347	-63381.14133	1064317.31702507									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatTchLogs.f	SatTchBoth.f
543	305425	-11901.143127	1064317.3170250766	39.7979836431128	-100.8417687	342319.9045723181	4006958.224305781	2993.9003316999865	2770.043977960397	2770.1200843102083	2770.2135853475935	492338358531434	4830119348	
546	305426	-11241.141137	1064317.3170250766	39.7978425936438	-100.8394216	342202.866054028	4006954.17867494	3003.0028165612956	2772.5626155786476	2767.39377971091	2767.5050934	516885690846606	505325178847563	
547	305427	-10981.14133	1064317.3170250766	39.7978905969689	-100.8299184	34271.8325	4006950.13369541	3008.738188904398	2770.072734241627	2764.868402984697	2764.868402984697	521162363879284	517873119983078	
548	305428	-9201.141137	1064317.3170250766	39.7978511342482	-100.8347272	342922.7662106274	4006946.088744912	2967.5888565841133	2762.1389722009935	2762.1389722009935	2762.1389722009935	5489833119752	5507086154750596	
549	305429	-9261.141137	1064317.3170250766	39.7978637423214	-100.83238	341233.7597940152	4006942.044	3012.934727621441	2765.0968579400084	2759.681058289452	2759.681058289452	540335411063182	54479046675808	
550	305430	-8601.141137	1064317.3170250766	39.7978669690087	-100.8300329	343324.7232260635	4006937.999582593	3013.0232964100865	2762.60215648637	2757.4105491643913	2757.38014754301	516910724245492	522414169433508	
551	305431	-7941.141137	1064317.3170250766	39.79787554401004	-100.8276857	343525.6649621236	4006933.95536488	3015.82865181241	2760.105619875385	2755.655456773038	2755.655456773038	445017418080186	441125149994908	
552	305432	-7281.141137	1064317.3170250766	39.79788077362525	-100.8253385	343626.6496206719	4006929.911389465	3002.4217077616254	2757.08124849474	2753.8021338084114	2753.8211250714066	380279041060576	378703042331401	
553	305433	-6621.141137	1064317.3170250766	39.7978859697548	-100.8229181	343827.6125944852	4006925.867658272	2995.110498311099	2752.3656887724896	2752.4002597920369	2742.4621583618653	27078923807301943	27078923807301943	
554	305434	-6061.141137	1064317.3170250766	39.7978989723805	-100.8206442	344128.5741183376	4006921.824165167	2984.207812922478	2752.6134783739527	2751.1442525168376	2751.1475795092196	1470541227125068	1461678347430813	
555	305435	-5301.141137	1064317.3170250766	39.7978937415554	-100.818297	344329.5380915596	4006917.7809186575	2977.799764383276	2750.11761825421	2750.1824383364633	2750.1824383364633	1831514	0	
556	305436	-4641.141137	1064317.3170250766	39.797897152228	-100.8159498	344530.5006147141	4006913.738	2794.0906147696114	2747.624055955976	2749.074012629556	2748.003122961823	2748.003122961823	0	
557	305437	-3981.141137	1064317.3170250766	39.79790011941224	-100.8136026	344730.14262880091	4006909.695146408	2970.3814651408957	2745.1329792602146	2748.633137363624	2748.633137363624	2748.633137363624	0	
558	305438	-3321.141137	1064317.3170250766	39.7979026281117	-100.812555	344932.4252116487	4006905.652624544	2966.672316	2742.645129803754	2747.9986659581874	2747.9781571104654	2747.9781571104654	0	
559	305439	-2661.141137	1064317.3170250766	39.7979048323986	-100.809893	345133.387285941	4006901.6103449045	2963.778815894881	2740.1610214515764	2747.7345600876996	2747.6080805168996	2747.6080805168996	0	
560	305440	-2001.141137	1064317.3170250766	39.797906205024	-100.806811	345334.34921070245	4006897.568307489	2961.7009625533996	2737.8813419183485	2747.2705714189455	2747.2910644170566	2747.2910644170566	0	
561	305441	-1341.141137	1064317.3170250766	39.797907432936	-100.8042138	345535.310986708	4006893.526512281	2959.62131166321177	2735.20633347074	2746.705730304674	2746.7156859043126	2746.7156859043126	0	
562	305442	-681.1413269	1064317.3170250766	39.7979081280486	-100.8018668	345736.2726137951	4006889.4849692574	2957.5452670056357	2732.73626074174	2745.8233248649344	2745.7648546420126	2745.7648546420126	0	
563	305443	-121.132693	1064317.3170250766	39.79790836931795	-100.7995196	345937.2340292598	4006884.45348464	2952.3766606605785	2730.2717929612472	2744.523818205932	2744.486225230076	2744.486225230076	0	
564	305444	638.85867303514	1064317.3170250766	39.79790915710115	-100.7971724	346138.1954223087	4006881.402579837	2944.0993137963455	2727.8133737442114	2742.660599721823	2742.6531599981727	2742.6531599981727	0	
565	305445	1298.85867303514	1064317.3170250766	39.79790974913262	-100.7948252	346338.1566047105	4006877.35173358	2935.82756612126	2725.3614248182745	2740.857717286477	2740.705042725746	2740.705042725746	0	
566	305446	1958.85867303514	1064317.3170250766	39.7979103720956	-100.7924781	346540.1176179808	4006873.321169101	2927.59905267679	2722.91630525544	2738.76138450237	2738.94770971811	2738.94770971811	0	
567	305447	2618.85867303514	1064317.3170250766	39.797910979534	-100.7898176	346741.0782481952	4006869.38062814	2924.478981	2720.4478941	2738.059187028681	2738.059187028681	2738.059187028681	0	
568	305448	3278.85867303514	1064317.3170250766	39.7979027373355	-100.7873367	346942.030624544	4006865.20726894	2911.07586274535	2718.05908028765	2735.8411813618673	2736.0374838899	2736.0374838899	0	
569	305449	3938.85867303514	1064317.3170250766	39.79790029372635	-100.7854365	347142.9998535225	4006861.20689514	2902.8458683674049	2715.6332047744254	2734.1157140577977	2734.1157140577977	2734.1157140577977	0	
570	305450	4598.8586730351	1064317.3170250766	39.7978973605935	-100.7830894	347343.3602974076	4006857.161253495	2894.615590459564	2713.22623721958	2732.399507440124	2732.732321174852	2732.732321174852	0	
571	305451	5258.8586730351	1064317.3170250766	39.7978939739746	-100.7807422	347544.9205943165	4006853.12187967	2887.6855816704488	2710.8303112166224	2730.6591148710745	2731.0485397288776	2731.0485397288776	0	
572	305452	5918.8586730351	1064317.3170250766	39.797890138696	-100.778395	347745.880744608	4006849.02748398	2882.056619997033	2708.445745415566	2731.658421716804	2732.605161416166	2732.605161416166	0	
573	305453	6578.8586730351	1064317.3170250766	39.7978861239856	-100.7769478	347946.9345838914	4006845.34589834	2878.4267376450237	2706.93736450237	2728.578241354575	2728.578241354575	2728.578241354575	0	
574	305454	7238.8586730351	1064317.3170250766	39.7978819320116	-100.7737007	348147.8006572415	4006841.005211769	2870.7926592114	2703.7174882956114	2723.17479190095804	2723.17479190095804	2723.17479190095804	0	
575	305455	7898.8586730351	1064317.3170250766	39.7978758926384	-100.7713535	348348.7603163573	4006836.966806585	2872.056977058315	2701.3669301510545	2724.919139568118	2726.2169751842866	2726.2169751842866	0	
576	305456	8558.8586730351	1064317.3170250766	39.79787023858965	-100.7690063	348549.7199	4006832.926443585	2860.20905252067	2699.032740770492	2722.989409074989	2724.08962052197	2724.08962052197	0	
577	305457	9218.8586730351	1064317.3170250766	39.7978641310546	-100.7665691	348750.6793009067	4006828.890722454	2868.3614340020196	2696.718296242556	2721.037723201558	2722.57433678117	2722.57433678117	0	
578	305458	9878.8586730351	1064317.3170250766	39.7978597500336	-100.764312	348951.6385747851	4006824.853034385	2866.5136624711713	2694.405435208566	2720.598546926322	2720.598546926322	2720.598546926322	0	
579	305459	10538.8586730351	1064317.3170250766	39.797850555271	-100.7619648	349152.5877033117	4006820.91506567	2868.65817077929	2692.115122	2718.68493633299	2720.796317391635	2720.796317391635	0	
580	305460	11188.8586730351	1064317.3170250766	39.7978417364115	-100.7598176	349353.5569671795	4006816.778411604	2863.941493262377	2716.9326021014	2716.9326021014	2716.9326021014	2716.9326021014	0	
581	305461	11858.8586730351	1064317.3170250766	39.7978351660558	-100.7575204	349554.5152531076	4006812.741458584	2860.934548572206	2714.80566831546	2715.047669039337	2717.096453105352	2717.096453105352	0	
582	305462	12518.8586730351	1064317.3170250766	39.79782679109126	-100.7549233	349755.47271913757	4006808.705	2857.4657318496	2685.347263242196	2712.708327863598	2714.907674517334	2714.907674517334	0	
583	305463	13178.8586730351	1064317.3170250766	39.797817626409	-100.7525761	349956.4327684676	4006804.668279244	2848.36608557814	2683.126621988165	2712.4640796090935	2714.876617549457	2714.876617549457	0	
584	305464	13838.8586730351	1064317.3170250766	39.7978086807046	-100.7502289	350139.3171350645	4006800.632052454	2843.675873962206	2680.915477121461	2711.994381113813	2714.9370555137266	2714.9370555137266	0	
585	305465	14498.8586730351	1064317.3170250766	39.7977984582854	-100.7478817	350358.3494346075	4006796.596067685	2840.76596676926	2680.915477121461	2711.994381113813	2714.9370555137266	2714.9370555137266	0	
586	305466	15158.8586730351	1064317.3170250766	39.7977875673747	-100.7453346	350559.3075153575	4006792.456324867	2838.9456940324	2676.536878876164	2708.500453396985	2711.405736776654	2711.405736776654	0	
587	305467	15818.8586730351	1064317.3170250766	39.79777811380914	-100.7428918	350760.3429494545	4006788.345489455	2837.134349476897	2674.397784271887	2707.36629778369	2709.36629778369	2709.36629778369	0	
588	305468	16478.8586730351	1064317.3170250766	39.7977671809574	-100.7400422	350961.2234547752	4006784.59033116	2832.320637	2672.259381	2707.87897560087	2710.847542648604	2710.847542648604	0	
589	305469	17138.8586730351	1064317.3170250766	39.797754687302	-100.738493	351162.181413557	4006780.545463165	2849.70758916916	2670.137641290945	2706.9600390691285	2709.944487019637	2709.944487019637	0	
590	305470	17798.8586730351	1064317.3170250766	39.7977434658791	-100.7361459	351363.1688507795	4006776.41971393	2837.0943810259128	2668.03012341622	2707.71837326256	2707.71837326256	2707.71837326256	0	
591	305471	18458.8586730351	1064317.3170250766	39.797731095421	-100.7337987	351564.096085854	4006772.385288413	283						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogsKgf.	BRIElevBothKgf.	LatH3K09	SurfBothKgf.
671	413	305551	71258.8586730335	1064317.3170250766	76.797726521254546	-100.5460253	367640.234867799	4046050.405713154	2585.036918911921	2570.71490474903	2550.257786	2550.160448155686	17.443704698062902	17.541204321971468
672	413	305552	71918.8586730335	1064317.3170250766	76.797712602402426	-100.5436782	367841.1902200584	4046446.390748478	2568.3317600442	2548.53681756079	2548.3317600442	2548.53681756079	19.76635084236276	19.863506231647313
673	413	305553	72578.8586730335	1064317.3170250766	76.797716638199745	-100.543131	36868.13689177	404642.378023248	2568.3689646941	2547.15454389574	2546.883689646941	2546.883689646941	22.074693937814636	22.074693937814636
674	413	305554	73238.8586730335	1064317.3170250766	76.797711626351456	-100.539638	368243.0829526635	4046436.361150071	2613.557126664361	2549.574885379989	2546.99483	2546.5459041811	26.5005495339195	26.01996119638016
675	413	305555	73898.8586730335	1064317.3170250766	76.797770657	-100.5366367	368444.02909313637	4046430.347298576	2622.782682031905	2570.1790614048293	2548.514362319832	2548.12628	21.66468972499738	22.05278122689914
676	413	305556	74558.8586730335	1064317.3170250766	76.79770141351072	-100.5342895	368644.9751056876	4046434.2326312633	2631.726532904597	2570.7685829754	2551.231950322603	2551.231950322603	25.9360512490564	25.9360512490564
677	413	305557	75218.8586730335	1064317.3170250766	76.79769278191827	-100.5319424	368845.92089301283	4046426.319593237	2640.615752924909	2571.30474232587	2555.833315888256	2555.706990062015	25.150071583331052	25.150071583331052
678	413	305558	75878.8586730335	1064317.3170250766	76.7976911369778	-100.5295952	368946.86675566237	4046422.306021318	2649.614542146878	2571.892777933943	2561.4121512588795	2561.694489702215	14.80062675063377	10.196279123142601
679	413	305559	76538.8586730335	1064317.3170250766	76.7976906668831	-100.5274881	369247.5120849646	4046418.328	2658.03681544658	2572.4236925216179	2567.5567058670315	2567.5567058670315	14.859920385140074	12.23268827536175
680	413	305560	77198.8586730335	1064317.3170250766	76.7678051905281	-100.524009	369448.757066382	4046414.28	2674.368717779	2572.92448477318	2572.93635654843	2572.93635654843	4.027289197533433	0
681	413	305561	77858.8586730335	1064317.3170250766	76.767520388995	-100.5225537	369649.70329588995	4046410.269914446	2684.37758290068	2573.4079905174634	2572.108877826802	2573.25319632464	1.09917588803167	0.008270939
682	413	305562	78518.8586730335	1064317.3170250766	76.7676991973582	-100.5202066	369850.648650622	4046406.25436108	2678.07189252022	2573.855821129929	2567.20913220894	2568.0943009578837	6.65297090903503	5.761520172005493
683	413	305563	79178.8586730335	1064317.3170250766	76.767654025554	-100.5178594	37001.5937019597	4046402.24048848	2675.0614082140813	2574.271167458344	2562.4365657067074	2563.1923217179418	11.834591767073871	11.078850278926438
684	413	305564	79838.8586730335	1064317.3170250766	76.767659030693	-100.5155123	370252.5379139854	4046430.22997722	2682.007522383143	2574.615196667914379	2559.761907104379	2559.761907104379	14.890905964639011	14.369176661754864
685	413	305565	80498.8586730335	1064317.3170250766	76.7676533065053	-100.513161	370453.48381355474	4046394.218147692	2688.037783633	2574.966129317452	2558.59015990958	2558.59015990958	16.7395631047876	16.05633157622231
686	413	305566	81158.8586730335	1064317.3170250766	76.76764797602166	-100.510819	370654.4283640646	4046390.20658753	2638.011308812244	2575.302102127436	2557.60349	2558.449225549075	17.088981133612627	16.85287671736808
687	413	305567	81818.8586730335	1064317.3170250766	76.7676427785389	-100.5084708	370855.37375227	4046386.195210893	2637.70738545455	2575.567353998663	2557.493923506464	2558.449225549075	17.088981133612627	17.08345816200824
688	413	305568	82478.8586730335	1064317.3170250766	76.76763673	-100.5061237	371056.3175553874	4046382.18410149	2638.10061046476	2575.701806891264	2557.802181834943	2558.8987756418092	17.08898985418116	16.892305723717138
689	413	305569	83138.8586730335	1064317.3170250766	76.76763104366561	-100.5037765	371257.2619581673	4046378.173	2645.48048542967	2575.93078059094	2558.485183798676	2559.6427	17.44759777002816	16.32310773380148
690	413	305570	83798.8586730335	1064317.3170250766	76.76762530849561	-100.5014294	371458.206238615	4046374.162317272	2648.78909543713	2576.1051297558015	2559.3603407499963	2560.5683158647425	16.74478905005185	15.53681389105995
691	413	305571	84458.8586730335	1064317.3170250766	76.76761952806567	-100.4990822	371659.1503959812	4046370.125095812	2657.228191145824	2576.233254667	2560.781632185295	2561.9986199585824	15.4159342410054	14.194605606627222
692	413	305572	85118.8586730335	1064317.3170250766	76.76761370277387	-100.4967351	371860.994414822	4046366.14207311	2661.517349605516	2576.3325477952	2567.33548806738	2563.76582813398	13.785827421278129	12.469566866213388
693	413	305573	85778.8586730335	1064317.3170250766	76.7676073111421	-100.4943875	372051.638451474	4046362.132	2668.8719047077	2577.05110316108	2568.19352162016	2569.95198541882746	13.8201424504296	12.99679057170913
694	413	305574	86438.8586730335	1064317.3170250766	76.76760191405695	-100.4920408	372261.9821372509	4046358.122525407	2670.0956699204	2576.16182079146	2566.340734297277	2567.451500154714	8.9204749	7.411681664
695	413	305575	87098.8586730335	1064317.3170250766	76.767595275133	-100.4898936	372462.9258079303	4046354.113105672	2671.96176	2576.05789292292	2566.6775948619365	2567.697169914621	8.3020783	8.36027370066586
696	413	305576	87758.8586730335	1064317.3170250766	76.7675899454814	-100.4873465	372663.8693574164	4046350.10392738	2670.7644653537807	2575.899513	2565.277121678773	2565.20438077234	10.6223910431186	10.69511319486196
697	413	305577	88418.8586730335	1064317.3170250766	76.7675839297125	-100.4849993	372864.8127895123	4046346.9489793	2670.8474955701	2575.68113696507	2559.155176516433	2558.526531327705	11.9365083088644	17.16458382773726
698	413	305578	89078.8586730335	1064317.3170250766	76.767577795098285	-100.482652	373065.756903627	4046342.086293226	2670.42906562021	2575.430890258543	2559.34381189828	2559.34381189828	12.9858563026097	23.90560413414187
699	413	305579	89738.8586730335	1064317.3170250766	76.76757179338769	-100.480305	373266.6992607654	4046338.07783633	2670.8719677077	2577.05110316108	2568.19352162016	2569.95198541882746	13.8201424504296	12.99679057170913
700	413	305580	90398.8586730335	1064317.3170250766	76.7675653847496	-100.4778477	373467.642473147	4046334.5230001	2670.9436273347	2577.05110316108	2568.19352162016	2569.95198541882746	13.8201424504296	12.99679057170913
701	413	305581	91058.8586730335	1064317.3170250766	76.7675592291305	-100.4756107	373668.5852941387	4046330.061649324	2669.311010308374	2574.365286261483	2559.180144088256	2558.1455010465343	12.54128485265728	15.51485761610034
702	413	305582	91718.8586730335	1064317.3170250766	76.7675526002509	-100.4732636	373869.582107863	4046326.504	2669.03368069015	2573.9136276010404	2563.2072112169625	2563.2072112169625	10.71092483077707	10.710768786905
703	413	305583	92378.8586730335	1064317.3170250766	76.76754662538738	-100.4709164	374070.4708278194	4046322.0464291	2671.627406742965	2573.415941094552	2566.227033545855	2566.227033545855	11.8989074906668	7.063490284242398
704	413	305584	93038.8586730335	1064317.3170250766	76.7675402554019	-100.468693	374271.4130511645	4046318.031973914	2677.10249	2572.87437597938	2568.05732486273	2568.2541731349007	14.8175207763839	14.91612244137442
705	413	305585	93698.8586730335	1064317.3170250766	76.7675338400778	-100.4662221	374427.3558840342	4046314.032	2682.57278918638	2572.787042014	2568.16621108918	2568.93684870386	13.62543716322153	13.508802710077573
706	413	305586	94358.8586730335	1064317.3170250766	76.7675279338769	-100.463875	374627.2381517905	4046310.02534907	2685.0519847077	2577.05110316108	2568.19352162016	2569.95198541882746	13.8201424504296	12.99679057170913
707	413	305587	95018.8586730335	1064317.3170250766	76.76752073285928	-100.4615279	374824.204618734	4046306.01886675	2692.216812233756	2570.8889898498	2567.509447038247	2568.26438788228	12.97499302434308	12.7882195840331
708	413	305588	95678.8586730335	1064317.3170250766	76.76751432	-100.4591807	375075.18257310387	4046302.01579492	2697.96710873055	2570.2785950037	2566.6415031595466	2567.423303506253	13.43530254490223	23.03505499411469
709	413	305589	96338.8586730335	1064317.3170250766	76.7675077255907	-100.4568336	375276.1245658224	4046298.06633101	2699.93505037793	2569.52266636355	2565.1656439746324	2566.1212568066378	13.43530254490223	23.03505499411469
710	413	305590	96998.8586730335	1064317.3170250766	76.76750108318746	-100.4544864	375477.06644022965	4046294.00772597	2700.794101	2568.7308506065	2563.539960863718	2564.5245068373673	11.9062964246974	4.18801962
711	413	305591	97658.8586730335	1064317.3170250766	76.76749439576816	-100.4521393	375678.081963537	4046289.995	2697.5470829564795	2569.01025769505	2561.83119661097	2562.86509963558	5.035769753031673	5.035769753031673
712	413	305592	98318.8586730335	1064317.3170250766	76.76748763012416	-100.4497921	375878.945834948	4046285.98939142	2700.1766877211	2567.304797231046	2561.7573999538	2561.115680580764	4.959057023566402	4.959057023566402
713	413	305593	98978.8586730335	1064317.3170250766	76.767480911421	-100.4474875	376089.8237589035	4046281.979914058	2697.445778073554	2567.05110316108	2568.19352162016	2569.95198541882746	13.8201424504296	12.99679057170913
714	413	305594	99638.8586730335	1064317.3170250766	76.76747406142416	-10								

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatThBoth.f	
43	414	305667	-333981.1413	1046977.3170250766	39.79839788578951	-101.9871564	244221.4842148528	4009162.821772549	3626.0049591454463	3469.2608718076693	3446.255639112734	3446.1762305817015	23.005326990462435	23.08464123
58	414	305670	-333321.1413	1046977.3170250766	39.79402081	-101.9848089	244432.546756905307	4009158.567	3624.0039654057	3467.536492039115	3445.696054553139	3445.696054553139	22.9904465071745492	21.84043736379499
59	414	305679	-332661.1413	1046977.3170250766	39.79434368182754	-101.9826427	244633.6094516017	4009154.49184497	3623.306721189695	3465.80729849976	3444.1897481902715	3444.644128110115	21.613639739864634	21.613639739864634
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61	414	305681	-331341.1413	1046977.3170250766	39.79413424890607	-101.9777689	245035.7326665803	4009146.163682132	3624.122159970456	3462.3236969075507	3434.2813882732457	3434.8924203237803	20.482268176030526	27.431549673770405
62	414	305682	-330681.1413	1046977.3170250766	39.79411205173324	-101.9754221	245236.7943988305	4009146.95960565	3620.56652161218	3460.56652161218	3424.0787251943557	3424.0787251943557	20.4679206686232	36.1706683178704
63	414	305683	-330021.1413	1046977.3170250766	39.79413424890607	-101.9730752	245437.8556719948	4009137.836	3618.041027658277	3458.7942658882	3414.5424326048505	3414.5424326048505	20.424597054031264	44.13903791757775
64	414	305684	-329361.1413	1046977.3170250766	39.79415740071401	-101.9707283	245638.6197078928	4009133.67252624	3616.046208325306	3457.01497933418	3407.103200712175	3407.1040301020694	49.91177496	49.9104963134856
65	414	305685	-328701.1413	1046977.3170250766	39.79418060725542	-101.9683816	245839.877485176917	4009129.509334327	3591.267741018939	3455.27811963867	3402.195633352777	3402.195633352777	53.02218244563301	53.02218244563301
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67	414	305687	-327381.1413	1046977.3170250766	39.79422505842045	-101.9636877	246242.09828610285	4009121.13868589	3568.150919626738	3451.52594906742	3398.8864702424635	3398.8864702424635	53.68821088227834	53.68821088227834
68	414	305688	-326721.1413	1046977.3170250766	39.79424575468812	-101.9613409	246443.15831022692	4009117.022523516	3562.0781479030237	3449.721085511906	3398.5121310056406	3397.915736693835	51.20909548614453	51.80544881852054
69	414	305689	-326061.1413	1046977.3170250766	39.79426999798279	-101.958984	246644.2180837231	4009112.85939338	3547.8484197477416	3447.8484197477416	3398.740302549766	3398.740302549766	48.1081169274585	49.72088967496226
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72	414	305692	-324081.1413	1046977.3170250766	39.7943369831265	-101.9519534	247247.35902025143	4009103.73985712	3553.913044072382	3442.07891557502	3400.091245	3399.48945170096	41.9873467042719	43.589138809008
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77	414	305697	-320781.1413	1046977.3170250766	39.79444774874838	-101.9402189	248252.68737385244	4009079.57	3554.073593983874	3431.758202939724	3399.147404822835	3399.147404822835	36.21263809	38.0863137149775
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79	414	305699	-319461.1413	1046977.3170250766	39.7944913708761	-101.935481	248659.8271959517	4009071.255095157	3547.742078629754	3428.59270701494	3397.596220701494	3397.596220701494	38.0290522701196	32.5703830437583
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87	414	305707	-314181.1413	1046977.3170250766	39.79466579340705	-101.91675	250263.25148496122	4009037.981404252	3553.011793911985	3407.7736994714613	3386.415215263622	3386.95136879787	21.35875444513931	20.82262104
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94	414	305714	-309561.1413	1046977.3170250766	39.79481587304107	-101.9003217	251670.63167181052	4009008.83897679	3524.259891858249	3388.68672103401	3376.62326041624	3377.225491110585	12.0633217077703	11.64128293242603
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96	414	305716	-308241.1413	1046977.3170250766	39.794858320324025	-101.8956278	252072.7308062504	4009005.57235604	3512.065650281117	3382.045652087047	3379.01560420803	3379.01560420803	4.026961180671606	3.4905292790226667
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101	414	305721	-304941.1413	1046977.3170250766	39.79496345077985	-101.8838932	253077.99864128657	4009079.78443						

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIEVLgtsKrg.f	BRIEVBthKrg.f	SatThgLog.f	SatThBth.f
183	414	350803	-250821.1413	1064977.3170250766	39.766529238435994	-101.6914415	26963.4240930267	44086.39804294955	3402.24575389626	3242.147729724177	3246.1361472348995	3242.0777297416535	48.006636307767	52.06505380112367
184	414	350804	-250161.161	1064977.3170250766	39.76654644925557	-101.6890495	26976.6442430935	44086.3546504042	3431.163010519087	3293.239005985325	3247.87706771527	3240.3506261039283	55.147130021410568	52.97818088170425
185	414	350805	-249501.1413	1064977.3170250766	39.76653634812761	-101.6867476	26985.5065263115	44086.3172824748	3424.0905897915	3292.500713219163	3238.6906148320474	3238.690614832045	56.44805390724554	53.81012237815412
186	414	350806	-248841.1413	1064977.3170250766	39.76652504079151	-101.6844004	27016.6340034843	44086.2754050047	3433.152070873027	3291.658989	3234.304757744248	3237.0899716621562	57.35149258035166	54.56892660257468
187	414	350807	-248181.1413	1064977.3170250766	39.76659781	-101.6820534	27036.57500542175	44086.234260149	3442.4845017279818	3290.8042719645346	3232.636968689022	3235.545123261692	56.18730505751266	55.25914872083532
188	414	350808	-247521.1413	1064977.3170250766	39.766148345112	-101.6797064	27058.68015	44086.19134520449	3446.50620844471	3289.9375011576317	3231.03822845425	3234.054810286092	56.8896873120681	55.8290133130834
189	414	350809	-246861.1413	1064977.3170250766	39.7663618263257	-101.6773594	27076.6326777943	44086.18060079	3450.529175409984	3289.0591296228587	3229.5116817444024	3232.619188694504	57.4447778844042	56.3949082835479
190	414	350810	-246201.1413	1064977.3170250766	39.7664876245452	-101.6750123	27097.0636510509	44086.11408107653	3454.549621997148	3288.172202162148	3227.127283	3231.039296687975	61.0444933691797	57.13205474173185
191	414	350811	-245541.1413	1064977.3170250766	39.766556539761	-101.6726653	27117.694389899	44086.04195800487	3458.207146615538	3287.278645500615	3228.6589548399463	3230.589748329156	57.5831921505628	58.283196485188235
192	414	350812	-244881.1413	1064977.3170250766	39.76652504079151	-101.6703183	27137.72248115369	44086.0733938581	3461.4850189723806	3286.578271488773	3228.42843226532	3229.421390653981	56.95716649519636	59.02176169519636
193	414	350813	-244221.1413	1064977.3170250766	39.7666930687695	-101.6679712	271573.7522917589	44085.95862	3464.76804803606	3285.4716138005027	3227.2181397630055	3229.5291026291388	58.2534703070412	59.51260117136786
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210	414	350830	-233001.1413	1064977.3170250766	39.7669780	-101.6280715	274981.231544211	44085.2540588211	3504.1689891013228	3268.45599416352	3216.199372376054	3204.081325	72.26222197892653	64.3742689318207
211	414	350831	-232341.1413	1064977.3170250766	39.766994040333563	-101.625746	275192.923474181	44085.21958409259	3507.344119719376	3267.344119719376	3215.12986329863	3211.5687448916847	62.453387111365	59.91244103
212	414	350832	-231681.1413	1064977.3170250766	39.76700944409606	-101.6233774	275393.2849493384	44085.182223984	3504.36205153807	3266.225117789765	3214.965394944363	3211.770171825213	62.453387111365	59.91244103
213	414	350833	-231021.1413	1064977.3170250766	39.767025840613034	-101.6210034	275594.3143043946	44085.160694246385	3503.161645343236	3265.101043559003	3212.234477031866	3210.4213883631654	72.73910859227346	73.08895592972468
214	414	350834	-230361.1413	1064977.3170250766	39.76704169118655	-101.6186833	275795.33969075	44085.11493	3489.960465367584	3263.970306289879	3210.244770710334	3210.92433992387	73.7332928	73.82796217674062
215	414	350835	-229701.1413	1064977.3170250766	39.767057496414766	-101.6163363	275996.36536073335	44085.07816541942	3502.4521923530632	3262.835798896314	3218.410423115593	3210.92433992387	74.25236170743849	74.15669831080906
216	414	350836	-229041.1413	1064977.3170250766	39.7670732562954	-101.6139892	276197.3905	44085.031993540027	3501.910241094888	3261.7010421094888	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
217	414	350837	-228381.1413	1064977.3170250766	39.76708897083785	-101.6116421	276388.154500081	44084.9936404248	3506.625115714237	3260.570585154701	3219.996713635706	3218.617490043084	75.10909514055665	72.0335206
218	414	350838	-227721.1413	1064977.3170250766	39.76710464003265	-101.609291	276589.440240956	44084.959007738	3505.1231210874446	3259.44021814742	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
219	414	350839	-227061.1413	1064977.3170250766	39.76712026382974	-101.606948	276800.46170610256	44084.91373175903	3514.459347442313	3258.3431805149136	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
220	414	350840	-226401.1413	1064977.3170250766	39.76713542388684	-101.604601	277001.4890600776	44084.8718826961	3513.009541636032	3257.2551449550247	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
221	414	350841	-225741.1413	1064977.3170250766	39.7671513755485	-101.6022539	277202.5114243826	44084.83760779636	3511.5596881257645	3256.189675176475	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
222	414	350842	-225081.1413	1064977.3170250766	39.76716686336638	-101.5999068	277403.5704093036	44084.784781937715	3510.10985928732	3255.149997609597	3218.617490043084	3218.617490043084	75.10909514055665	72.0335206
223	414	350843	-224421.1413	1064977.3170250766	39.767182383628	-101.5975859	277604.560684781	44084.7418420593	3508.4558410527848	3254.18918807946	3217.526483697656	3217.526483697656	75.10909514055665	72.0335206
224	414	350844	-223761.1413	1064977.3170250766	39.7671972954547	-101.5952127	277805.5840739057	44084.6907808757	3506.597631871427	3253.145776939322	3217.526483697656	3217.526483697656	75.10909514055665	72.0335206
225	414	350845	-223101.1413	1064977.3170250766	39.76721291747865	-101.592874	278016.6291747865	44084.64195800487	3504.784746515538	3252.145776939322	3217.526483697656	3217.526483697656	75.10909514055665	72.0335206
226	414	350846	-222441.1413	1064977.3170250766	39.76722836118575	-101.5905186	278207.6302692963	44084.64243	3502.8812133467127	3251.268847393762	3217.526483697656	3217.526483697656	75.10909514055665	72.0335206
227	414	350847	-221781.1413	1064977.3170250766	39.7672438									

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BR/ElevKgr.f	BR/ElevKgr.f	SurfElevKgr.f	SurfElevKgr.f
435	434	380055	-84051.14133	1064977.3170250766	39.79943227755374	-101.0999645	320216.9661880472	4407065.974459308	3047.99149663808	271.3250633296398	2855.559767321417	2854.3048223105253	15.765296098222734	16.984241190114506
436	434	380056	-83841.14133	1064977.3170250766	39.799438061072905	-101.0971873	320417.9479341013	44071601.902	3045.3342816534	2869.65031914064	2853.0708537467026	2851.9252380163434	15.7946536266181	17.821081093220962
437	434	380057	-83518.14133	1064977.3170250766	39.79944379243815	-101.096827	320618.9296595007	4407597.830979478	3047.6716619674038	2867.846196245568	2858.513494580304	2849.335320089636	17.38663220064791	18.648009236675283
438	434	380058	-83221.14133	1064977.3170250766	39.7994449206401	-101.0929228	320819.9100205926	4407585.75255093	3040.018951693514	2866.304111228404	2848.1644320646544	2846.8804774102618	18.15897853362603	19.4933051822963
439	434	380059	-81861.14133	1064977.3170250766	39.79944513953594	-101.0905756	321020.8921254298	4407589.68667393	3032.876389160364	2863.0642639194906	2848.237210835007	2842.801168080047	16.42705308589883	17.462705111443488
440	434	380060	-81201.14133	1064977.3170250766	39.79944601615877	-101.0882284	321221.871742771	4407585.615332627	3028.004913811641	2863.004913811641	2845.880495736153	2844.8056178017007	17.116842380251075	18.9923021540356
441	434	380061	-80541.14133	1064977.3170250766	39.7994462843247	-101.0858812	321422.8540433083	4407581.54421948	3026.622719	2861.343230189122	2844.183243591812	2842.9133758725684	17.15998264992413	18.42980542
442	434	380062	-79891.14133	1064977.3170250766	39.79947180985706	-101.083534	321623.84175081844	4407577.473391098	2997.965788070837	2859.671349096770	2830.10387128574	2825.68730825044	19.5264281393676	33.9900748492335
443	434	380063	-79221.14133	1064977.3170250766	39.79947275982523	-101.081868	321824.8158	4407578.402763668	2987.941954359678	2858.0462813581	2830.813494580304	2822.478327595507	31.9111798	36.5252687656332
444	434	380064	-78561.14133	1064977.3170250766	39.799442565683	-101.078539	322025.7955339639	4407599.332419543	2973.0940714441635	2856.237380346136	2835.36925252089	2821.394811180423	32.92926587133	39.92926587133
445	434	380065	-77901.14133	1064977.3170250766	39.79947282035864	-101.0764924	322226.758158406	4407565.26299022	2970.36859038028	2854.632516839218	2823.8883351083196	2820.29783623168	30.74418178	34.3466326105008
446	434	380066	-77241.14133	1064977.3170250766	39.79943402063966	-101.0741451	322427.755820643	4407561.194247191	2961.643128216555	2852.928150380937	2822.2653388961265	2819.068477000361	30.66281151181056	33.8596738057617
447	434	380067	-76581.14133	1064977.3170250766	39.7994388674281	-101.0717979	322628.73566173925	4407557.123	2950.77614445972	2851.2099264374875	2820.405592525884	2819.954875770103	30.604972328647	33.604972328647
448	434	380068	-75921.14133	1064977.3170250766	39.79950306702742	-101.0694057	322829.751326702	4407563.39734795	2937.767165180726	2849.483798635833	2822.125168920459	2820.032449	29.451349225463243	33.7084051696653
449	434	380069	-75261.14133	1064977.3170250766	39.79950910052875	-101.0671038	323030.6948	4407548.964250382	2924.759102593032	2847.74874705872	2816.14537673991	2819.03205445	31.60336944780105	33.7084051696653
450	434	380070	-74601.14133	1064977.3170250766	39.7995142689460	-101.0647635	323231.67413853448	4407544.913346839	2911.7505866626325	2846.011871765781	2813.14283130456	2811.41197328792	32.85951046229502	34.587674732771575
451	434	380071	-73941.14133	1064977.3170250766	39.7995193796611	-101.0624091	323432.6532	4407540.84662929	2899.88518688082	2844.241738323573	2808.9736475797504	2807.456959613924	32.68090755066895	36.7757783102791
452	434	380072	-73281.14133	1064977.3170250766	39.79952429898988	-101.0600618	323633.6326410764	4407536.77826991	2889.0706460060	2846.0706460060	2806.1553348678094	2804.929354146595	36.31167192525516	37.35760294540634
453	434	380073	-72621.14133	1064977.3170250766	39.799529442482445	-101.0577146	323834.6110689265	4407532.710095485	2878.440019358128	2846.073921526976	2804.2805557546403	2803.31683223436	36.39336576057265	37.35689070354006
454	434	380074	-71961.14133	1064977.3170250766	39.79953440971674	-101.0553674	324035.5897044003	4407528.62165095	2867.041845137963	2838.58736240877	2806.9471325940763	2806.145136811007	37.31147799068764	32.604972328647
455	434	380075	-71301.14133	1064977.3170250766	39.79953933610719	-101.0530202	324236.588168156	4407520.574740261	2864.911434994015	2837.0203064272396	2810.4851917810047	2810.5734180178246	36.253511464623488	26.4428762461497
456	434	380076	-70641.14133	1064977.3170250766	39.79954420813759	-101.050673	324437.5466118224	4407520.507304264	2851.1578895318	2830.128254670774	2808.95825251307	2806.293611825407	35.1693337108927	26.1693337108927
457	434	380077	-69981.14133	1064977.3170250766	39.79954904	-101.0483218	324638.520949487	4407516.48942987	2846.1618942987	2835.04651232596	2807.04651232596	2807.7840696937404	35.1693337108927	26.1693337108927
458	434	380078	-69321.14133	1064977.3170250766	39.79955332161325	-101.0459786	324839.50235398706	4407512.37267624	2835.96112202233	2835.96112202233	2807.727511808256	2805.402275597495	33.137312194105	33.33895142207376
459	434	380079	-68661.14133	1064977.3170250766	39.79955857	-101.0436313	325040.4804180841	4407508.306710714	2890.171164911038	2836.737054154878	2806.816673367402	2805.40682245838	32.92038078476006	31.3290217290395
460	434	380080	-68001.14133	1064977.3170250766	39.79956326	-101.0412841	325241.4580304095	4407504.23969097	2904.9312504486043	2837.585313363473	2825.5004464113204	2824.77253643615	12.084866952153334	12.812671719858584
461	434	380081	-67341.14133	1064977.3170250766	39.79956710579505	-101.0389369	325442.4355	4407500.173	2919.691050075891	2838.405090758891	2845.0016774048245	2844.35684886295	0	0
462	434	380082	-66681.14133	1064977.3170250766	39.79957252	-101.0365897	325643.41742628974	4407496.10748662	2934.451427155587	2839.1955135140092	2841.680294874797	2842.0869910404276	0	0
463	434	380083	-66021.14133	1064977.3170250766	39.79957707411053	-101.0342925	325844.398952558	4407492.41737919	2928.355841115315	2837.924338829584	2839.924338829584	2839.924338829584	2839.924338829584	2839.924338829584
464	434	380084	-65361.14133	1064977.3170250766	39.79958178116156	-101.0318952	326045.36678518367	4407487.9762402205	2959.0440785183675	2840.68519549665	2840.68519549665	2840.68519549665	2840.68519549665	2840.68519549665
465	434	380085	-64701.14133	1064977.3170250766	39.79958665623432	-101.029548	326246.343551727	4407483.91085851	2970.513852274656	2841.3835440304562	2844.019292577396	2843.6456710406714	0	0
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467	434	380087	-63381.14133	1064977.3170250766	39.79959485697927	-101.0248536	326648.296577875	4407475.781206776	2987.026823631657	2842.6834768322883	2846.080664376422	2845.386595294845	0	0
468	434	380088	-62721.14133	1064977.3170250766	39.7995981932311	-101.0225064	326849.2783681676	4407471.71682051	2988.172279578656	2843.284393225814	2844.2431765336594	2843.2431765336594	2843.2431765336594	2843.2431765336594
469	434	380089	-62061.14133	1064977.3170250766	39.799603476371671	-101.0201591	327050.2489314405	4407465.562400528	2988.13677591	2843.86219658118	2842.748927206872	2840.014841365983	0	0
470	434	380090	-61401.14133	1064977.3170250766	39.799607179176271	-101.0178119	327251.22485465117	4407461.58932195	2984.12472532958	2843.284393225814	2843.284393225814	2843.284393225814	2843.284393225814	2843.284393225814
471	434	380091	-60741.14133	1064977.3170250766	39.7996119514258406	-101.0154647	327459.26021388466	4407459.525	2988.023360413319	2844.8874534383867	2841.163788941052	2840.7520369507	0	0
472	434	380092	-60081.14133	1064977.3170250766	39.79961606520472	-101.0131175	327653.176230396	4407455.461105615	2990.854053827413	2845.354387700698	2844.5236110659201	2844.5236110659201	2844.5236110659201	2844.5236110659201
473	434	380093	-59421.14133	1064977.3170250766	39.79962017	-101.0107703	327854.151626739	4407451.397706247	2995.776273521625	2845.78271743761	2849.8380589979606	2849.8380589979606	2849.8380589979606	2849.8380589979606
474	434	380094	-58761.14133	1064977.3170250766	39.7996242104905	-101.008423	328055.126826495	4407447.33404058	2984.1787044793696	2845.353968271677	2845.353968271677	2845.353968271677	2845.353968271677	2845.353968271677
475	434	380095	-58101.14133	1064977.3170250766	39.79962824594708	-101.0060758	328256.102	4407443.271818072	2995.292932515843	2846.534621966302	2845.301445423094	2845.301445423094	2845.301445423094	2845.301445423094
476	434	380096	-57441.14133	1064977.3170250766	39.7996321549588	-101.0037288	328456.076942975	4407439.20523898	2978.7268171373125	2846.370044148485	2845.138415153862	2845.138415153862	2845.138415153862	2845.138415153862
477	434	380097	-56781.14133	1064977.3170250766	39.7996363303372	-101.0014925	328657.050944505	4407435.14802452	2984.133870992448	2845.138415153862	2845.138415153862	2845.138415153862	2845.138415153862	2845.138415153862
478	434	380098	-56121.14133	1064977.3170250766	39.79964001854452	-100.9990341	328859.026510251715	4407431.08490332	2984.594346219334	2847.37344742425	2847.37344742425	2847.37344742425	2847.37344742425	2847.37344742425
479	434	380099	-55461.14133	1064977.3170250766	39.7996438204474	-100.9966869	329060.0066467074	4407427.0226932						

ix	iy	x-ft	Y-ft	Latitude	Longitude	UTM-Y	SurfElev.	W.Lt.	BRrElevKgsr.f	BRrElevBothKgsr.f	SatThKgsr.f	SatThBoth.f
561	414	306181 -1.141134127	1064977.3170250766	39.79980387430753	-100.8042141	345539.358980411	4047094.77750335	2951.1080157414262	2734.5358451496922	2747.952708857375	2748.095602432057	0
562	414	306182 -681.1413269	1064977.3170250766	39.79960394378486	-100.7897768	345740.31596053528	4047090.736048706	2948.605245863625	2732.078495	2747.0532109186465	2747.16519010617	0
563	414	306183 -21.1413269	1064977.3170250766	39.7996039	-100.7896196	345846.281181683	4047096.69494862	2948.520873118078	2729.6215482054585	2745.362597071185	2745.362597071185	0
564	414	306184 306182.85673033514	1064977.3170250766	39.79960394690176	-100.7791724	346124.24225405578	4047093.63372598	2935.948539543923	2742.170281898933	2742.8117682127463	2742.815047156075	0
565	414	306185 1298.858673033514	1064977.3170250766	39.79960388011616	-100.7948251	346343.2031793259	4047078.612398103	2927.344911960139	2724.738308078034	2740.4306653785613	2740.486872891745	0
566	414	306186 1958.858673033514	1064977.3170250766	39.79960380198138	-100.7924719	346544.1639650564	4047074.571665967	2918.7414443743046	2722.303780411579	2739.0751506571933	2739.477009076987	0
567	414	306187 2618.858673033514	1064977.3170250766	39.79960381092479	-100.7901307	346745.124584987	4047050.5311761815	2910.028319876803	2719.8775389570906	2737.0167720619124	2737.016721426914	0
568	414	306188 3278.858673033514	1064977.3170250766	39.7996038033454	-100.7877374	346946.0850663413	4047066.491	2901.20609767635	2717.461032476978	2734.441424331051	2734.955260212668	0
569	414	306189 3938.858673033514	1064977.3170250766	39.79960316033224	-100.7852463	347147.045400381	4047058.958292211	2898.362965548298	2715.0546466532584	2732.461322131894	2733.08576589494	0
570	414	306190 4598.85867303351	1064977.3170250766	39.79960287	-100.783089	347348.0055871255	4047058.41160846	2883.56195348298	2712.6590764464769	2730.57251009013	2731.265489515685	0
571	40191	5258.85867303351	1064977.3170250766	39.7996025834073	-100.7807417	347548.96562696865	4047054.3716403805	2887.945130528673	2710.27194506911	2728.68520432941	2729.618317550904	0
572	414	306192 5918.85867303351	1064977.3170250766	39.79960241432025	-100.7783495	347749.9250205674	4047050.33262219	2875.537070809561	2707.897190722428	2729.8483058151587	2731.3111067314694	0
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611	401261	31658.85867303351	1064977.3170250									

[illegible]

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev	W.Lt	BRElevLogKrg.ft	BRElevBothKrg.ft	satThtLogKrg.ft	satThtBothKrg.ft
73	415	308433	-323421.1413	1065637.3170250766	39.76172218407946	-101.9496352	247452.62895439667	409297.56	3566.0980801727455	3349.7783679040405	3396.765843654071	3397.356656010239	41.0125344033355	42.42171108416551
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82	415	308442	-317481.1413	1065637.3170250766	39.76370377341496	-101.9285127	249262.1444565403	409250.117654358	3545.4452143012	3319.949087	3396.766187512696	3397.794634786714	21.22879570330356	22.200352343195793
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110	415	308470	-299001.1413	1065637.3170250766	39.7696633512521	-101.8627975	254891.62028607423	409143.75872504	3467.7211998642034	3344.698080778037	3390.47080479844	3392.233876905044	0	0
111	415	308471	-298341.1413	1065637.3170250766	39.76987630522414	-101.8604055	255092.66945917896	409139.60682764	3459.9435741717329	3342.1203649632525	3352.9388558132905	3356.18826427646	0	0
112	415	308472	-297681.1413	1065637.3170250766	39.7697043257768	-101.8581035	255293.7183055128	409131.454265257	3452.725444907434	3339.94756	3347.0938133366457	3350.4447033731214	0	0
113	415	308473	-297021.1413	1065637.3170250766	39.76972401329099	-101.8557565	255494.7608703988	409131.303216758	3445.507439227258	3337.1181807193043	3341.577644625034	3394.97662	0	0
114	415	308474	-296361.1413	1065637.3170250766	39.76974051966226	-101.8534095	255695.8155298792	409127.15185216	3438.248924565176	3334.696203562106	3336.4011259312	3393.929473800421	0	0
115	415	308475	-295701.1413	1065637.3170250766	39.7699523097684	-101.8510923	255896.873234487	409123.03073489	3431.65923324897	3333.747183831157	3392.33439812	3392.33439812	0	0
116	415	308476	-295041.1413	1065637.3170250766	39.769780583	-101.8487155	256097.9170285628	409118.84939325	3425.64584911884	3330.4344457421218	3395.885951168916	3395.885951168916	0	0
117	415	308477	-294381.1413	1065637.3170250766	39.769710606273364	-101.8463685	256298.9558261087	409114.69	3419.6122871852536	3327.818907	3322.60268971662	3325.7788172602223	6.213173116578106	2.039735728017604
118	415	308478	-293721.1413	1065637.3170250766	39.76971266736743	-101.8440215	256500.070139318	409110.548857749	3413.600985862327	3325.67079935945	3318.862944732343	3317.9410001933	5.81253023061836	3.9030369948518283
119	415	308479	-2											

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRIElevKgr.ft	BRIElevBothKgr.ft	SatHtKgr.ft	SatHtBothKgr.ft
199	415	306559	-240261.1413		10565637.3170250766	39.79861222615654	-01.6553904	27274.073416815	440875.185064825	398.9156359120575	372.98422797240604	3215.275885846207	3218.0401761620285	60.8841035203394
200	415	306560	-239601.1413		10565637.3170250766	39.79862671197526	-01.6519363	272985.1022099613	440771.0544773173	3495.2272904745773	327.973603672393087	321.14178945450118	3216.7937929379056	61.166547400811136
201	415	306561	-238841.1413		10565637.3170250766	39.79864515244854	-01.6492164	273196.1394546932	440786.925	3501.5389459527726	327.9834537391966	322.9216807633795	3215.055685791152	61.49115807174804358
202	415	306562	-238281.1413		10565637.3170250766	39.798676154755354	-01.6466891	273387.1585767166	440782.795148284	3468.7560455999023	327.952760351656	321.6352079047471	3216.93200909312	61.4662370594667
203	415	306563	-237621.1413		10565637.3170250766	39.79871789736852	-01.6445522	273588.18635762555	440784.656567889	3502.1139080093066	327.94367938184832	321.3018220885759	3213.062211191342	64.6697371
204	415	306564	-236961.1413		10565637.3170250766	39.79864021806455	-01.6421749	273789.21651951855	440785.536430333	3496.3223266	327.94786746604434	320.814258770693	3216.9041111257	65.242748809
205	415	306565	-236301.1413		10565637.3170250766	39.79871046899414	-01.6398278	273990.24135049096	440780.467443708	3490.5339915235095	327.9235151880375	320.82281645495173	3213.099623885878	64.26088733085783
206	415	306566	-235641.1413		10565637.3170250766	39.79872674646474	-01.6374807	274191.26843866117	440784.708998999	3484.7401735058738	327.987565579134	320.69980221473	3212.9096333895956	64.8875414766107
207	415	306567	-234981.1413		10565637.3170250766	39.79874234448454	-01.6351358	274392.29634613213	440782.152001612	3488.454666427726	327.97834573939166	322.9216807633795	3215.055685791152	61.49115807174804358
208	415	306568	-234321.1413		10565637.3170250766	39.7987589610523	-01.6327765	274593.22	440787.30112194831	3477.835480171126	329.767079818155	320.62124294842633	3205.4927862053783	64.2626378
209	415	306569	-233661.1413		10565637.3170250766	39.798775043816505	-01.6304394	274794.3844992021	440784.82522474696	3586.676165402895	320.61148452862512	3203.497201409565	3206.76102014409565	67.15878230232303
210	415	306570	-233001.1413		10565637.3170250766	39.7987910618238	-01.6280922	274955.3747431449	440782.769179757	3472.015108448186	3267.5688057107964	3192.3243788632276	3211.492363547431	75.26242685
211	415	306571	-232341.1413		10565637.3170250766	39.798807063202794	-01.6257451	275196.4007663559	440785.536863449	3466.498070842512	327.910404261573	320.836265157373	3213.02760886216	74.18915015579023
212	415	306572	-231681.1413		10565637.3170250766	39.79882304877704	-01.623398	275397.42656277404	440782.5113826718	3476.6125042573987	3265.38944167387	321.9187375483315	3219.027165483315	73.315168676
213	415	306573	-231021.1413		10565637.3170250766	39.7988389120711	-01.6210509	275598.542592419	440817.134296258	3480.61744522968	3264.2839077338643	3219.05383646008625	3219.027165483315	74.23003677
214	415	306574	-230361.1413		10565637.3170250766	39.79884575219084	-01.6187308	275799.475096019	440816.15784632046	3263.174077952247	3218.247685146488	3218.405122766352	3218.405122766352	74.7689571177299
215	415	306575	-229701.1413		10565637.3170250766	39.79887056782925	-01.6163567	276000.5026451633	440819.31052905	3488.88162999091	3262.06099738024	3218.45652958036	3218.45652958036	75.6040672971974
216	415	306576	-229041.1413		10565637.3170250766	39.79889631812191	-01.6141006	276201.5275691895	440870.005	3496.42854	3260.94801748519	3218.307133109805	3218.461168430224	75.42963224667303
217	415	306577	-228381.1413		10565637.3170250766	39.7989020306895	-01.6116625	276402.5523	440870.07872339	3502.9642474410094	3259.83731663084	3218.9045959672666	3218.9045959672666	75.7632339990616
218	415	306578	-227721.1413		10565637.3170250766	39.7989177026703	-01.6093153	276603.5776484493	440866.75292199	3500.3053654696	3258.73953391235	3218.6791821300167	3218.6791821300167	76.217512346603
219	415	306579	-227061.1413		10565637.3170250766	39.7989332692595	-01.6069682	276804.6010883657	440862.627399483	3512.185235368401	3257.648973430823	3218.454967981493	3218.404016181105	73.9404959993299
220	415	306580	-226401.1413		10565637.3170250766	39.79894951387	-01.6048211	277005.625496198	440868.502602187	3511.0092256967684	3256.57694767684	321.935302	3218.581771094335	74.67479297120381
221	415	306581	-225741.1413		10565637.3170250766	39.79896542940056	-01.602474	277219.6488711832	440869.373200294	3492.2469671454683	3256.528944502167	3218.581771094335	3218.581771094335	75.18167400197
222	415	306582	-225081.1413		10565637.3170250766	39.79897927618426	-01.5995929	277407.672473769	440890.252193797	3508.6572494714234	3254.49534167425	3218.7632484750425	3217.529002438235	77.67205841700024
223	415	306583	-224421.1413		10565637.3170250766	39.79899347049085	-01.5975797	277608.6958554676	440896.127612695	3506.99375218765403	3253.4889338254077	3217.9733573388643	3217.9733573388643	80.51320538961352
224	415	306584	-223761.1413		10565637.3170250766	39.7990107801769	-01.5952326	277809.719027383	440892.03286976	3504.85406239619	3252.506560340261	3216.9302733997656	3216.9302733997656	82.8339636393127
225	415	306585	-223101.1413		10565637.3170250766	39.79902612	-01.5928855	278010.7419695507	440893.6206631	3501.574903227615	3251.74903227615	3216.644018	3216.644018	85.10878572496474
226	415	306586	-222441.1413		10565637.3170250766	39.79904142703341	-01.5905384	278211.7646981896	440893.75371357	3512.571258931158	3250.611530252026	3216.644018	3216.644018	85.10878572496474
227	415	306587	-221781.1413		10565637.3170250766	39.7990568622334	-01.5880719	278412.7981973887352	440894.389539643	3495.2184504077528	3244.4657543031623	3218.52671588723	3217.1254794754028	87.64119259120381
228	415	306588	-221121.1413		10565637.3170250766	39.7991224292521	-01.5858441	278613.8095017695	440895.504467771	3517.558167072652	3243.528944502167	3218.52671588723	3217.1254794754028	88.35383831879412
229	415	306589	-220461.1413		10565637.3170250766	39.79908707546233	-01.583497	278814.81371251454	440895.38338583	3466.26657199915	3247.91024894834	3216.52047883057	3216.52047883057	89.2324071176433
230	415	306590	-219801.1413		10565637.3170250766	39.79910220091328	-01.5811499	278910.8534313446	440897.264285685	3452.9751426271687	3247.041617389064	3216.768061584721	3216.768061584721	90.37355594176583
231	415	306591	-219141.1413		10565637.3170250766	39.7991172801819	-01.5788027	279216.87057600244	440894.139877016	3450.1072005129688	3246.1798715019254	3217.0248995671396	3217.0248995671396	91.58086070114786
232	415	306592	-218481.1413		10565637.3170250766	39.7991321577699	-01.5764556	279417.8946993496	440896.015741083	3457.66205423968	3245.32068932087	3217.6137104340373	3217.6137104340373	91.7179316874314
233	415	306593	-217821.1413		10565637.3170250766	39.79914735195965	-01.5741708	279618.91977107398	440894.389539643	3465.2184504077528	3244.4657543031623	3218.52671588723	3217.1254794754028	92.6740245895757
234	415	306594	-217161.1413		10565637.3170250766	39.7991622492521	-01.5719714	279819.698797352	440895.373200294	3472.74075346136	3243.528944502167	3218.52671588723	3217.1254794754028	93.582291707923
235	415	306595	-216501.1413		10565637.3170250766	39.79917471076565	-01.5694142	280020.9547271939	440896.26562	3487.0079503705823	3240.795328951047	3218.765324014977	3218.765324014977	94.8987439421661
236	415	306596	-215841.1413		10565637.3170250766	39.79919201350725	-01.5670671	280221.9003045446	440892.530515404	3480.920155605144	3241.889606041585	3218.4875940012225	3218.4875940012225	95.82306530241705
237	415	306597	-215181.1413		10565637.3170250766	39.799206803157	-01.5647199	280423.0037281547	440896.015741083	3489.834245053054	3241.0242384605567	3218.5505726823152	3218.5505726823152	96.5207244
238	415	306598	-214521.1413		10565637.3170250766	39.79922157206029	-01.5623728	280624.020499477	440894.128487787	3486.74467591935	3240.1494754573805	3218.827914234132	3218.827914234132	97.5812612234841
239	415	306599	-213861.1413		10565637.3170250766	39.7992362938905	-01.5600257	280820.040106572	440896.176189383	3487.7988257093915	3239.260313956929	3218.1291341984048	3218.1291341984048	98.54511733123286
240	415	306600	-213201.1413		10565637.3170250766	39.79925096138471	-01.5576785	281026.061055528	440896.047	3486.949531105103	3238.3363497	3217.701355	3218.161984023206	99.2933268873906
241	415	306601	-212541.1413		10565637.3170250766	39.79926573454414	-01.5553814	281227.182085477	440894.389539643	3485.2184504077528	3244.4657543031623	3218.52671588723	3217.1254794754028	100.5514902490757
242	415	306602	-211881.1413		10565637.3170250766	39.79928016933271	-01.5529842	281428.098533928	440897.807375696	3483.8872091286364	3235.519880492205	3218.765324014977	3218.765324014977	101.8949714960078
243	415	306603	-211221.1413		10565637.3170250766	39.79929420572361	-01.5506371	281629.1179046123	440893.687701779	3484.716109993414	3235.519880492205	3218.765324014977	3218.765324014977	103.079832591975
244	415	306604	-210561.1413		10565637.3170250766	39.79930919587708	-01.5482899	281830.136714453	440895.568	3482.5577839167375	3234.609838319265	3217.0686136205395	3217.0686136205395	104.62563661097
245	415	306605	-209901.1413		10565637.3170250766	39.79932364114254	-01.5459428	282031.1554639545	440895.489144576	3480.93457838236	3233.62725303			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SatHgt.f	SatHtBoth.f
325	415	306685	-157101.1413	10656537.3170250766	39.0032333682768	-101.3581686	298111.9694967817	4082856.709898308	3319.838074362837	311.19.2998930538636	3045.731977942765	3046.4334967018954	73.567191556109874	72.86639680196822
326	415	306686	-156441.1413	10656537.3170250766	39.003034108935515	-101.3582814	298121.97415411512	4082852.006053071	3316.76017021535	311.18.062417257044	3047.7005936551463	3044.407796806248	74.3816230198795	73.741620606
327	415	306687	-155291.1413	10656537.3170250766	39.0030335059769	-101.3583741	298131.97415411512	4082852.006053071	3316.76017021535	311.18.062417257044	3047.7005936551463	3044.407796806248	74.3816230198795	73.741620606
328	415	306688	-155121.1413	10656537.3170250766	39.0030351710576	-101.3581269	298141.97415411512	4082852.006053071	3316.76017021535	311.18.062417257044	3047.7005936551463	3044.407796806248	74.3816230198795	73.741620606
329	415	306689	-154461.1413	10656537.3170250766	39.003573513168105	-101.3487797	298191.976137120894	4082840.313083939	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
330	415	306690	-153801.1413	10656537.3170250766	39.0030351710576	-101.3464325	299116.96773	4082840.313083939	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
331	415	306691	-153141.1413	10656537.3170250766	39.003628925242	-101.3440853	299137.97836735076	4082821.11607014	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
332	415	306692	-152481.1413	10656537.3170250766	39.00406782962606	-101.3417781	299151.97871493954	4082820.11607014	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
333	415	306693	-151821.1413	10656537.3170250766	39.0041724389711	-101.3383899	299179.97871493954	4082820.11607014	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
334	415	306694	-151161.1413	10656537.3170250766	39.0044763255656	-101.3370347	299200.9810101012	4082819.1023728917	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
335	415	306695	-150501.1413	10656537.3170250766	39.00483081727235	-101.3349664	299211.9802860675	4082815.72659101	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
336	415	306696	-149841.1413	10656537.3170250766	39.00484335844974	-101.3323492	299232.9802766181	4082811.629598891	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
337	415	306697	-149181.1413	10656537.3170250766	39.0045860912923	-101.330002	299253.98007190146	4082807.5330057485	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
338	415	306698	-148521.1413	10656537.3170250766	39.0048683704769	-101.3276548	299274.9796721428	4082804.346647091	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
339	415	306699	-147861.1413	10656537.3170250766	39.004917902	-101.3253076	299295.97907754837	4082819.34047911	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
340	415	306700	-147201.1413	10656537.3170250766	39.0048941658508	-101.3229063	299316.978283255	4082815.945	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
341	415	306701	-146541.1413	10656537.3170250766	39.0049924872952	-101.3206131	299337.977304806	4082811.94809236	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
342	415	306702	-145881.1413	10656537.3170250766	39.0050052925926	-101.3182659	299358.9761268198	4082811.94809236	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
343	415	306703	-145221.1413	10656537.3170250766	39.005192964401	-101.3159187	299379.974754945	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
344	415	306704	-144561.1413	10656537.3170250766	39.0052925272324	-101.3135715	299393.9781827484	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
345	415	306705	-143901.1413	10656537.3170250766	39.0053916275563	-101.3112242	299413.9714300064	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
346	415	306706	-143241.1413	10656537.3170250766	39.0054902789007	-101.308877	299432.9694773473	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
347	415	306707	-142581.1413	10656537.3170250766	39.0056237811318	-101.3064284	299451.9781984045	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
348	415	306708	-141921.1413	10656537.3170250766	39.0056822112245	-101.3041826	299474.96492551	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
349	415	306709	-141261.1413	10656537.3170250766	39.0057853	-101.3018353	299493.962610949	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
350	415	306710	-140601.1413	10656537.3170250766	39.0058803493881	-101.2994811	299513.95973694115	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
351	415	306711	-139941.1413	10656537.3170250766	39.0059577332866	-101.2971409	299537.968024291	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
352	415	306712	-139281.1413	10656537.3170250766	39.0060726636954	-101.2947377	299563.9537117662	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
353	415	306713	-138621.1413	10656537.3170250766	39.00616814614158	-101.2924464	299589.9648111588	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
354	415	306714	-137961.1413	10656537.3170250766	39.00626371640432	-101.2900992	299610.946918141	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
355	415	306715	-137301.1413	10656537.3170250766	39.00635773398184	-101.287752	299634.9432346373	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
356	415	306716	-136641.1413	10656537.3170250766	39.00645185042974	-101.2854048	299658.9395973477	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
357	415	306717	-135981.1413	10656537.3170250766	39.0065455133872	-101.2830575	299683.9352934149	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
358	415	306718	-135321.1413	10656537.3170250766	39.00663872285405	-101.2807103	299713.9431301808	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
359	415	306719	-134661.1413	10656537.3170250766	39.0067347848293	-101.2783631	299743.95852682406	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
360	415	306720	-134001.1413	10656537.3170250766	39.00683278181318	-101.2760158	299773.944408964	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
361	415	306721	-133341.1413	10656537.3170250766	39.00693156309484	-101.2736868	299803.9712107124	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
362	415	306722	-132681.1413	10656537.3170250766	39.0070072508055	-101.2713214	299838.910225574	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
363	415	306723	-132021.1413	10656537.3170250766	39.0070976781824	-101.2689741	299873.96983585816	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
364	415	306724	-131361.1413	10656537.3170250766	39.00718845362	-101.2666269	299910.95419514861	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
365	415	306725	-130701.1413	10656537.3170250766	39.007278913618	-101.2642797	299949.95950738861	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
366	415	306726	-130041.1413	10656537.3170250766	39.00736872789546	-101.2619324	299989.963913025108	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.0664154348847	3037.9182271758871	76.58214314966458	76.58214314966458
367	415	306727	-129381.1413	10656537.3170250766	39.0074601939484	-101.259581	300029.9628171318	4082812.95829725	3301.6556170209432	3114.5000805258355	3037.			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEveLogKgr.f	BRLEveBothKgr.f	SatThKLog.f	SatThKBoth.f
431	435	308811	-7394.14133	1065637.3170250766	39.0033249758606	-101.0624156	232346.72941084125	407742.115697601	2907.8744716504916	2834.1640154141514	2807.897029155582	2806.1366973404843	35.26686825856943	37.027318073667175
432	435	308812	-7329.14133	1065637.3170250766	39.0033755532264	-101.0600484	232307.7801259579	407738.047110136	2841.39830549532972	2805.4484591616398	2801.39830549532972	2804.9007167122304	35.35276768059966	37.0754032106688
433	435	308813	-7262.14133	1065637.3170250766	39.0034256836323	-101.0577121	232308.866677051	407739.738176737	2881.138763260236	2839.302716478138	2803.2468023486957	2803.3621407041487	35.38491353144216	36.2685777198916
434	435	308814	-7196.14133	1065637.3170250766	39.0034753539984	-101.0553738	232309.6605504085	407739.910668588	2868.934761305044	2837.876091350544	2805.959951079957	2805.6310925110747	35.1916560055097287	32.245539919643676
435	435	308815	-7130.14133	1065637.3170250766	39.00353246	-101.0530265	232420.6425868675	407735.842810488	2883.82908725108	2836.192355052388	2807.1186312485797	2807.3601368579325	32.0739303808207	28.23229819445436
436	435	308816	-7064.14133	1065637.3170250766	39.003573047454	-101.0506793	234441.6212936723	407721.75197623	2866.597105789208	2834.8199615760645	2807.209147960645	2807.5909125485444	27.61093138	27.42129149027510175
437	435	308817	-6998.14133	1065637.3170250766	39.0036216538642	-101.048332	234642.59915797104	407717.708	2869.366354252179	2834.643821212438	2805.332185203194	2806.095188979302	29.114151008049703	28.351147131941616
438	435	308818	-6932.14133	1065637.3170250766	39.0036696	-101.0459847	234843.5768520094	407713.640702375	2872.1349431622493	2834.9307981247553	2800.682896	2800.68893480456994	34.2244228049541	34.240904718156876
439	435	308819	-6866.14133	1065637.3170250766	39.0037169186112	-101.0436374	235044.554758886	407705.738176737	2881.138763260236	2835.542955185596	2802.9680184026587	2801.833961889761	32.57483667740029	33.850935298633676
440	435	308820	-6800.14133	1065637.3170250766	39.0037638722155	-101.0412902	235245.5313000698	407705.507178982	2886.437874821138	2836.4026427239322	2819.2008179012325	2818.4130591745568	17.010696522903737	17.98955545363765
441	435	308821	-6734.14133	1065637.3170250766	39.00381037131485	-101.0389429	235446.59001447213	407701.440783494	2891.716956382003	2837.164190628493	2840.74199611108736	2840.95333698771547	0	0
442	435	308822	-6668.14133	1065637.3170250766	39.003856169095	-101.0365956	235647.48602949316	407697.374631462	2926.996037942943	2837.9117667066416	2860.7114496934683	2861.7655189832317	0	0
443	435	308823	-6602.14133	1065637.3170250766	39.003902089992	-101.0342483	235847.3087822782	407693.308722872	2939.882389958115	2838.6382029107367	2870.837995608593	2871.675711408862	0	0
444	435	308824	-6536.14133	1065637.3170250766	39.0039471475834	-101.0319011	236049.4395502645	407689.243057174	2950.3760124326473	2839.3396457847587	2841.415095	2843.5336987706	0	0
445	435	308825	-6470.14133	1065637.3170250766	39.0039913626525	-101.0295838	236250.41605992635	407685.173553882	2960.86934958458	2840.071769638824	2871.5483198457055	2877.056214083698	0	0
446	435	308826	-6404.14133	1065637.3170250766	39.0040360423634	-101.0272605	236451.3923902575	407681.1124576675	2971.35257378319	2840.65900211548	2876.6450055121075	2877.181424989455	0	0
447	435	308827	-6338.14133	1065637.3170250766	39.0040798423047	-101.0248592	236652.3685701514	407677.047522763	2978.599702486853	2841.2742019300424	2878.5297486590224	2877.5335200322006	0	0
448	435	308828	-6272.14133	1065637.3170250766	39.004121366677	-101.0225119	236853.347523853	407672.98231257	2976.579779991087	2841.8584994737823	2877.651389774058	2876.6071764217967	0	0
449	435	308829	-6206.14133	1065637.3170250766	39.0041660739249	-101.0201467	237054.3200475236	407668.918383142	2976.5595875732026	2842.411282639968	2845.51929460238	2873.618754736883	0	0
450	435	308830	-6140.14133	1065637.3170250766	39.0042084554766	-101.0178174	237255.29607441544	407664.854178412	2976.539351959543	2842.3921527442477	2871.0750840254396	2870.32880385107	0	0
451	435	308831	-6074.14133	1065637.3170250766	39.0042591372085	-101.0154701	237465.27157372085	407662.390271054	2978.2212037917314	2843.4260071150597	2864.88313874215	2864.5763069774396	0	0
452	435	308832	-6008.14133	1065637.3170250766	39.004291500626	-101.0131228	237657.24657249	407656.726990464	2981.604516	2843.8764152556922	2860.8072513755897	2860.831183572928	0	0
453	435	308833	-5942.14133	1065637.3170250766	39.00434254954675	-101.0098269	237858.287289663	407653.8583	2984.042189617805	2845.2968263701616	2863.971427525487	2863.1471252487	0	0
454	435	308834	-5876.14133	1065637.3170250766	39.0043733506249	-101.0084283	238059.1978017507	407646.599373148	2988.371471711077	2844.60720945716	2853.87090000857	2853.8325775274008	0	0
455	435	308835	-5810.14133	1065637.3170250766	39.00441374064694	-101.006081	238260.1718991384	407644.5386052085	2985.027935639973	2850.718015873178	2851.7960004207457	0	0	
456	435	308836	-5744.14133	1065637.3170250766	39.00445343716274	-101.0037337	238461.1466356701	407640.474060591	2989.118876304553	2845.3383732295797	2849.045200894264	2850.529638	0	0
457	435	308837	-5678.14133	1065637.3170250766	39.0044926801725	-101.0013864	238662.12106177106	407636.411559304	2995.155962728827	2845.611936181413	2848.112267988046	2850.667876601484	0	0
458	435	308838	-5612.14133	1065637.3170250766	39.0045314696758	-100.9990391	238863.0953937418	407632.349931332	2941.1930951113097	2845.848641007859	2847.16310339007	2850.1373007718023	0	0
459	435	308839	-5546.14133	1065637.3170250766	39.0045784967478	-100.9969819	239064.065977787	407629.287289663	2946.7925358974747	2846.535897647555	2848.73192892362	2849.73192892362	0	0
460	435	308840	-5480.14133	1065637.3170250766	39.0046078815376	-100.9943446	239245.035609105	407624.2251152995	2948.223648304406	2846.95711448374	2849.950710334656	2849.950710334656	0	0
461	435	308841	-5414.14133	1065637.3170250766	39.0046451171476	-100.9919973	239466.01739486074	407620.164	2947.114184602545	2846.363911677931	2845.4215078710076	2846.746762147856	0.9420380590326565	0
462	435	308842	-5348.14133	1065637.3170250766	39.0046820926251	-100.98985	239666.99106432457	407616.10702422	2960.275187772175	2846.52686717395	2845.757996	2845.75686717395	0	0
463	435	308843	-5282.14133	1065637.3170250766	39.00471786145959	-100.9873027	239867.9645686762	407612.01660896	2982.160584980794	2846.5508553185628	2845.17862899258	2853.34393500588	0	0
464	435	308844	-5216.14133	1065637.3170250766	39.00475468350995	-100.9849554	240068.3907810231	407607.98062634	2972.7327695379876	2846.6070487573772	2850.796787333923	2855.000492894818	0	0
465	435	308845	-5150.14133	1065637.3170250766	39.0047902980172	-100.9826082	240269.9110828254	407603.920307628	2963.471747957896	2846.632095374874	2852.7699418388964	2856.9580961388077	0	0
466	435	308846	-5084.14133	1065637.3170250766	39.00482454954675	-100.980269	240470.84930586	407599.85095086	2964.5243807910814	2845.68272084027	2859.15714349323	2859.15714349323	0	0
467	435	308847	-5018.14133	1065637.3170250766	39.0048601674111	-100.9779138	240671.85593809026	407596.79927347	2965.977937777655	2846.67895862316	2857.2706137723153	2861.01933931826003	0	0
468	435	308848	-4952.14133	1065637.3170250766	39.0048944218473	-100.9755663	240872.8262099114	407591.7410102054	2966.0683246557782	2846.569145598374	2860.353724888043	2863.877766234972	0	0
469	435	308849	-4886.14133	1065637.3170250766	39.004928227767	-100.973219	241073.8013011034	407587.680519984	2943.875171337792	2846.5118580851973	2864.250379016994	2867.446074082835	0	0
470	435	308850	-4820.14133	1065637.3170250766	39.0049614501988	-100.9708717	241274.7449336194	407583.621181125	2941.666898017805	2846.434485134664	2868.930460421308	2871.276327426454	0	0
471	435	308851	-4754.14133	1065637.3170250766	39.004994461138	-100.9685245	241475.7649336194	407579.562	2947.21027589072626	2846.3367063602586	2872.6288507741638	2869.5616046728545	0	0
472	435	308852	-4688.14133	1065637.3170250766	39.0050259045215	-100.9661772	241676.71871189127	407575.503330212	2960.4462431512525	2846.21813032843	2874.136269911254	2880.97614040646	0	0
473	435	308853	-4622.14133	1065637.3170250766	39.0050574914219	-100.963824	241877.444621739	407571.444621739	2961.8493582284	2845.078148924541	2881.24894290561	2881.24894290561	0	0
474	435	308854	-4556.14133	1065637.3170250766	39.0050944281506	-100.9614612	242078.6722722984	407567.38257648	2964.94217828911	2845.91613912903	2892.5114815283	2891.617169	0	0
475	435	308855	-4490.14133	1065637.3170250766	39.0051215047003	-100.9591353	242279.638173426	407563.32813471	2968.4469319913076	2845.73451571195	2896.240044334134	2896.303530253141	0	0
476	435	308856	-4424.14133	1065637.3170250766	39.00515213107834	-100.956788	242480.6501940281	407559.270254599	2980.85842691736	2845.52891963357	2888.849252983796	2890.442711619483	0	0
477	435	308857	-4358.14133	1065637.3170250766	39.00518203394855	-100.9544407	242681.52168347	407551.216818347	3019.061948552323	2845.287333021395	2879.43827839057	2893.60333474442	0	0
478	435	308858	-4292.14133	1065637.3170250766	39.0052120233112	-100.9520393	242882.5474609913	407551.155224819	3029.269463	2845.02699236024	2871.128988473975	2872.628911714774	0	0
479	435	3												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt	BR ElevLogs.kg.ft	BR ElevBoth.kg.ft	SatThkLogs.ft	SatThkBoth.ft
577	415	306937	9218.85867730351	10565637.3170250766	39.80161267653388	-100.7666575	4888.845109406009	44072731.388734304	2898.845109406009	2695.672774078135	2717.5047885258714	2720.7063967467175	0	0
578	415	306940	9678.85867730351	10565637.3170250766	39.80161202039774	-100.7643152	448959.721970036	4407227.350746728	2907.671843815655	2693.377649147366	2715.690573852616	2718.95709682454	0	0
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583	415	306943	13178.85867730351	10565637.3170250766	39.80160806	-100.7525737	39964.51681878564	4407207.164550558	2899.0643289708777	2682.135606568822	2709.6475601131397	2715.45082550616	0	0
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619	415	306979	36938.85867730351	10565637.3170250766	39.8015467075316	-100.6681237	357198.31470775316	4407062.3028236923	2747.889174540946	2609.7545406566	2643.1638121079436	2645.1638121079436	0	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevLogs.fg	BRIElevBoth.fg	SatThLogs.f	SatThBoth.f	
703	415	307063	92378.85867307335	38.0017285959176	-100.4709	37478.4933099449	406724.51008653	2662.1960338487015	2570.7816985870953	2577.8221290963616	2578.356105999917	0	0		
704	415	307064	93038.85867307335	38.00176649567649	-100.468552	37479.4354	406720.503313285	2672.723047214413	2569.643483297508	2575.731940340495	2575.0712492641903	0	0		
705	415	307065	93698.85867307335	38.00176098	-100.466258	37480.1719932635	406671.6490381341	2692.618693871985	2569.978526279565	2577.8593871985	2578.04767639974874	0	0		
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708	415	307068	95678.85867307335	38.0017405691176	-100.4591637	375083.204596485	406707.451753234	2696.192611672616	2567.13371361	2570.122881222277	2571.081361	0	0		
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710	415	307070	96998.85867307335	38.0017272142915	-100.4544462	375485.085339154	406696.43420836	2693.77580249191	2565.64289	2565.833204649352	2567.037254147417	0	0		
711	415	307071	97658.85867307335	38.0017203636284	-100.4521219	375686.0265834706	406692.457816516	2690.591148379037	2564.784170966134	2564.83396537774	2565.039896513606	0	0		
712	415	307072	98318.85867307335	38.0017139054654	-100.4497747	375896.3671704025	406698.42505341	2594.0045105176077	2564.0045105176077	2562.919657948916	2563.1966517821602	10.84855252771704	0	0	
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714	415	307074	99638.85867307335	38.0017020826403	-100.4450801	376288.8496103503	406680.441650942	2687.105488740805	2562.226632760508	2557.885835	2559.09038638485	4.71397338617904	3.136203429	0	0
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719	415	307079	102938.85867307335	38.0010055	-100.433438	377293.554	406660.4196374	2696.81664831642	2557.23285271689	2551.82384388619	2551.7699521936743	5.609010287014849	5.462902078014849	0	0
720	415	307080	103598.85867307335	38.0010584031454	-100.430996	377494.426	406656.41622032	2566.148734309064	2554.6995653357108	2549.9017946270333	2549.61689733053	6.2469368203033	6.2469368203033	0	0
721	415	307081	104258.85867307335	38.0010526	-100.4286493	377695.4326877184	406652.418237875	2709.55710144089	2553.0831654280138	2548.5477556159067	2548.682209866576	6.49040821106918	6.36513561356041	0	0
722	415	307082	104918.85867307335	38.00104407513342	-100.4263021	377896.3763781484	406648.4096666	2715.921792652005	2553.02156641749	2547.497491123016	2548.5477556159067	6.49040821106918	6.36513561356041	0	0
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724	415	307084	106238.85867307335	38.00129555529136	-100.4216786	378298.2592529136	406640.40170444	2717.565677495295	2551.552542431506	2545.566396591837	2545.47589022835	5.9995056528	6.07795340271271	0	0
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726	415	307086	107558.85867307335	38.001047517318	-100.4169131	378700.13120354	406632.39493093	2701.505358552331	2549.099258941796	2545.558575002446	2547.33779517133	5.54104833934943	5.72160272446611	0	0
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730	415	307090	110198.85867307335	38.0009849461641	-100.407524	379503.8881663346	406616.39	2692.84398634129	2543.919685834864	2536.359157127481	2536.085781458982	5.76037010733278	7.83390475881957	0	0
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732	415	307092	111518.85867307335	38.00091464512616	-100.403698	379905.759143531	406608.39143531	2694.598241293371	2543.20573501382	2537.123346419894	2537.03092193733797	10.22942132281893	10.22942132281893	0	0
733	415	307093	112178.85867307335	38.00096209276654	-100.4004823	380106.704063515	406604.3903678	2713.004157392656	2539.819573800487	2535.063028451684	2535.063028451684	4.75654348802774	5.243900933363309	0	0
734	415	307094	112838.85867307335	38.000942846402	-100.398135	380307.3431895567	406600.3903678122	2714.11930579528	2538.41548797474	2540.72853790494	2540.479274323254	0	0	0	0
735	415	307095	113498.85867307335	38.000946522301714	-100.3957878	380508.581661256	406596.391	2725.7378905895136	2536.9939230934356	2545.9855476209486	2545.82782792349	0	0	0	0
736	415	307096	114158.85867307335	38.00093870078975	-100.3934405	380709.52002062654	406592.390884815	2725.960179285014	2535.5553009957102	2550.523672099976	2550.460310689116	0	0	0	0
737	415	307097	114818.85867307335	38.00093083291616	-100.3910393	380910.4856277403	406588.391349878	2726.1837176144893	2534.1004671906287	2546.26028435337	2546.26028435337	5.76037010733278	7.83390475881957	0	0
738	415	307098	115478.85867307335	38.00092281769	-100.3887166	381111.39640140237	406584.3903678122	2728.4230156138	2534.9014671906287	2546.26028435337	2546.26028435337	5.76037010733278	7.83390475881957	0	0
739	415	307099	116158.85867307335	38.00091464512616	-100.3863988	381312.34422221	406580.3903678122	2729.670366062535	2531.14494138358	2537.0314335868133	2537.0314335868133	5.76037010733278	7.83390475881957	0	0
740	415	307100	116798.85867307335	38.000906124575	-100.3840516	381513.272333974	406576.394190207	2730.937959605186	2529.645328919002	2559.604321398935	2558.1963841410106	0	0	0	0
1	416	307101	-370941.1413	38.0029716586209	-102.118644	32329.95850477453	40979.91807567	3793.9313951313752	3564.195611709681	3484.353791868992	3484.0006957541308	79.8419196408846	80.19494141355503	0	0
2	416	307102	-370281.1413	38.0029716586209	-102.1162971	323181.0350454487	40979.91807567	3794.1290192778413	3562.45489524454	3482.8542765268174	3481.08428694151	79.8419196408846	80.19494141355503	0	0
3	416	307103	-369621.1413	38.0029716586209	-102.1139602	323382.1112760585	40979.91807567	3796.06196778453	3560.715149	3485.2939272794937	3483.767466462243	75.4582715927473	77.0405820709589	0	0
4	416	307104	-368961.1413	38.0029716586209	-102.1116133	323583.1872470105	40979.91807567	3798.07127714532	3558.976283247414	3478.874399413259	3478.874399413259	70.9884433358052	77.5790064215991	0	0
5	416	307105	-368201.1413	38.0029716586209	-102.109364	323784.2592529136	40979.91807567	3799.98428691283	3557.2481984945	3478.874399413259	3478.874399413259	70.9884433358052	77.5790064215991	0	0
6	416	307106	-367641.1413	38.0029716586209	-102.1070905	323985.3389050425	40979.91807567	3801.9372358555	3556.341396	3555.50136459826	3478.743903439387	377.659671917647	77.5790064215991	0	0
7	416	307107	-366981.1413	38.0029716586209	-102.1045626	324186.4157957321	40979.91807567	3803.937707005848	3553.765461167691	3480.264708229643	3479.759902093512	73.990752380477	74.0055590471856	0	0
8	416	307108	-366321.1413	38.0029716586209	-102.1022157	324387.48849689	40979.91807567	3805.943709931578	3552.0314069831057	3480.632209521454	3480.264708229643	73.990752380477	74.0055590471856	0	0
9	416	307109	-365661.1413	38.0029716586209	-102.0998868	324588.56315112713	40979.91807567	3807.956754067122	3550.298291548934	3479.988971075113	3480.264708229643	73.990752380477	74.0055590471856	0	0
10	416	307110	-365001.1413	38.0029716586209	-102.0975912	324789.6375425783	40								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.	W.Lt.	BREIEVLogKrg.ft	BREIEVBothKrg.ft	LatBothKrg.ft	SurfBothKrg.ft	
89	416	307189	-312861.1413	1066297.3170250766	38.7833496403915	-101.91211218	550673.7018210614	4094932.352389064	3548.0171930485437	3402.062050518534	3385.29302310947275	3483.977612302124	16.813734621106534	17.08444251
90	416	307190	-312201.1413	1066297.3170250766	38.78635643816476	-101.5097468	550874.7558481814	4094928.195773068	3542.316569	3391.413058748524	3382.7970676022258	3382.524944734745	16.615991145314627	17.7865660413827454
91	416	307191	-311541.1413	1066297.3170250766	38.78637786948416	-101.8674178	551075.809632682	4094924.038	3538.31780541514	3385.294745	3381.58471776943	3381.7884232405966	15.18727314	18.06023098114325
92	416	307192	-310881.1413	1066297.3170250766	38.78639520339273	-101.9050708	551276.863528228	4094918.881422752	3536.0211150490972	3394.014193296842	3380.91319056424	3380.898304121466	13.226742403588283	13.14362068401713
93	416	307193	-310221.1413	1066297.3170250766	38.786420588487986	-101.9027237	551477.916481096	4094915.724707564	3533.724486478485	3391.325547268538	3380.3934519769597	3379.893386320373	10.932095270879472	11.471156364546176
94	416	307194	-309561.1413	1066297.3170250766	38.7864418124435	-101.9003767	551578.96953424864	4094914.58178861	3531.427774474234	3388.592376	3380.4441006367033	3379.663336604882	8.147324319811707	8.62524719811707
95	416	307195	-308801.1413	1066297.3170250766	38.786448312865828	-101.8980297	551880.0223421475	4094907.411897908	3526.491162521291	3385.8452891504185	3380.8520232516844	3380.8192131186515	1.92825890874076	5.0260760317692934
96	416	307196	-308241.1413	1066297.3170250766	38.78646313072978	-101.8956827	552081.07490501414	4094903.25868107	3518.916103251937366	3383.087347094782	3381.334471194314	3381.434242958923	1.75275900440213	1.64390413569494
97	416	307197	-307581.1413	1066297.3170250766	38.78650546745875	-101.8933356	552282.127229355	409399.100702041	3515.3408540348633	3380.321614088527	3381.708793969555	3381.96717076227	0	0
98	416	307198	-306921.1413	1066297.3170250766	38.7865259884516	-101.8909886	552483.1759647327	409394.54452504	3503.7654258761609	3377.5539434450105	3382.1714238963264	3382.500141805783	0	0
99	416	307199	-306261.1413	1066297.3170250766	38.7865474688886	-101.8888614	552684.2311254784	409390.78923493	3497.900142	3374.788329553304	3382.843767497537	3382.937258	0	0
100	416	307200	-305601.1413	1066297.3170250766	38.78656868595023	-101.8862495	552885.28271027774	409396.361480043	3493.745003700375	3372.0305118785897	3383.732950080033	3384.1983050817435	0	0
101	416	307201	-304941.1413	1066297.3170250766	38.7865896969477	-101.8838475	553086.33405107944	409382.479380116	3489.58985	3369.281417005574	3384.7656889135177	3385.208502778097	0	0
102	416	307202	-304281.1413	1066297.3170250766	38.78681059	-101.8810065	553287.3851480871	409378.342842533	3485.43472623805	3366.544646077757	3385.7485332242513	3386.153970212643	0	0
103	416	307203	-303621.1413	1066297.3170250766	38.7868147563768	-101.8792534	553488.4360015082	409374.1705145445	3488.8186254954289	3368.3732636495197	3387.3872007133694	0	0	
104	416	307204	-302961.1413	1066297.3170250766	38.78683214967874	-101.876064	553689.486115503	409370.016451043	3489.589311167924	3381.10320414438	3386.027900736205	3387.057928164728	0	0
105	416	307205	-302301.1413	1066297.3170250766	38.7868371089554	-101.8745933	553890.53697841574	409365.862634021	3493.744447229254	3358.4019283680946	3384.168082152558	3385.37254854672	0	0
106	416	307206	-301641.1413	1066297.3170250766	38.7868638760001	-101.8722123	554091.5871022318	409361.7909364685	3497.890363417984	3355.717862772751	3380.7189627480525	3381.9786268080954	0	0
107	416	307207	-300981.1413	1066297.3170250766	38.78871456	-101.8698852	554292.6368346058	409357.55739384	3496.203303349630	3353.0561402458497	3375.356439758547	3376.379466522988	0	0
108	416	307208	-300321.1413	1066297.3170250766	38.78873521886042	-101.8675182	554493.6866220558	409353.402661757	3488.6562821332624	3350.421419263114	3369.286735444803	3371.998652967808	0	0
109	416	307209	-299661.1413	1066297.3170250766	38.78875831476136	-101.8651711	554694.7801830078	409349.248365077	3485.0258918471	3347.81768027122	3363.441815552639	3366.323794721145	0	0
110	416	307210	-299001.1413	1066297.3170250766	38.7887763974884	-101.8628241	554895.78517240717	409345.49724541	3472.562296393585	3345.24833442428	3357.6218418451693	3367.64799650041	0	0
111	416	307211	-298341.1413	1066297.3170250766	38.7887950097846	-101.8604771	555096.83444807547	409340.9448071621	3469.034947428458	3343.7184987428458	3351.0445826381	3362.909839387122	23.898532414804967	24.22109897323434
112	416	307212	-297681.1413	1066297.3170250766	38.7888174	-101.85813	555297.88275502872	409338.7920156685	3458.13896926728	3340.2342466912805	3345.563916901206	3343.7943713658287	0	0
113	416	307213	-297021.1413	1066297.3170250766	38.7888378285033	-101.8557829	555498.831835653	409332.692815213	3450.372303691353	3337.7890748163172	3341.5616654416754	3343.794791246994	0	0
114	416	307214	-296361.1413	1066297.3170250766	38.78885821440851	-101.8534359	555699.973157372	409328.48931715	3442.60580391345	3335.41622855503	3334.736427111309	3339.8517821476744	1.0398011441939161	0.50604697
115	416	307215	-295701.1413	1066297.3170250766	38.78887854965434	-101.8510888	555901.0273180842	409324.38018538	3435.39260185929	3330.40230041834	3329.745425585707	3335.1158306258369	0	0
116	416	307216	-295041.1413	1066297.3170250766	38.78889880517911	-101.8487418	556102.0750236947	409320.18691203	3428.727502305829	3330.8378311204583	3324.862179404178	3330.3317814736015	5.977651176280481	0.50604697
117	416	307217	-294381.1413	1066297.3170250766	38.78891910015952	-101.8463587	556303.12258560534	409316.1368650394	3422.07026474398	3329.352947674905	3321.124689911705	3326.321458334346	5.1548983734663	0
118	416	307218	-293721.1413	1066297.3170250766	38.78893945549649	-101.8440077	556504.169123899	409311.858743929	3415.411731703334	3326.54518452094	3321.3713434397427	3321.5813434576047	0	0
119	416	307219	-293061.1413	1066297.3170250766	38.78895946377008	-101.8417006	556705.2167971442	409307.753069842	3404.85935385318	3324.521499592249	3321.6523749040418	3319.8530548446856	6.88912468730663	4.667904747653171
120	416	307220	-292401.1413	1066297.3170250766	38.788979577610226	-101.8393535	556906.2635412271	409303.585	3400.85283930643	3321.9026211834625	3315.1952703704874	3318.62662747	7.3900135060155694	0
121	416	307221	-291741.1413	1066297.3170250766	38.7889964610983	-101.8370065	557107.3100454465	409299.4504762	3375.9653027352053	3320.7421667722037	3312.3946573009325	3310.3455040264455	8.139279768831027	0
122	416	307222	-291081.1413	1066297.3170250766	38.7900196692017	-101.8345694	557308.3563100553	409295.28446757	3361.518036741494	3318.97919021278	3308.269182621804	3309.886235097436	9.1162731322851	0
123	416	307223	-290421.1413	1066297.3170250766	38.79003964706976	-101.8323123	557508.4023551127	409291.33660579	3358.465151578892	3317.362462525205	3306.98287287519	3307.644559858537	9.71827167265761	0
124	416	307224	-289761.1413	1066297.3170250766	38.7900597353579	-101.8298563	557710.481207462	409288.98592173	3347.907035013434	3315.841654527704	3306.27804464426	3306.9898379892116	9.56053579892116	0
125	416	307225	-289101.1413	1066297.3170250766	38.79007946658502	-101.827182	557911.4366779755	409282.830804784	3340.148742551678	3314.4734045181574	3304.904892168519	3304.2688901853395	9.53258349583846	10.16874302817877
126	416	307226	-288441.1413	1066297.3170250766	38.7900930436986	-101.8252711	558112.5395778956	409278.69398115	3362.4904735025193	3313.1525825294625	3303.8019139570993	3302.931217	9.53686857236347	10.21213654418258
127	416	307227	-287781.1413	1066297.3170250766	38.7901191487206	-101.8229241	558313.5840515585	409274.541001765	3359.1807153995607	3302.730115565664	3301.5564401128985	3300.9589743896156	10.403572584717606	0
128	416	307228	-287121.1413	1066297.3170250766	38.7901388596338	-101.820577	558514.6289	409270.793	3363.4049554671	3301.9403315364098	3297.7441615176909	3296.0935955146138	13.98707159500782	14.846736021796005
129	416	307229	-286461.1413	1066297.3170250766	38.79015861710925	-101.8182299	558715.6736848037	409266.244687978	3360.21336871063	3301.01344689038	3298.703582	3300.77629955674991	11.30772629955674991	0
130	416	307230	-285801.1413	1066297.3170250766	38.79017822211481	-101.8158828	558916.176325712	409262.13660579	3358.1564519120334	3300.97418711512	3298.7104591781172	3300.4772291903301	14.844722997303301	0
131	416	307231	-285141.1413	1066297.3170250766	38.79019837987803	-101.8134837	559117.0384985494	409258.97887983	3356.219485437154	3300.92349898744524	3298.68339898744524	3300.68339898744524	15.7209359273148	0
132	416	307232	-284481.1413	1066297.3170250766	38.79021746658502	-101.811887	559318.801894805	409253.802714179	3351.710559833057	3300.8977112904554	3298.6451900510796	3300.250688878757	10.4558989034345	0
133	416	307233	-283821.1413	1066297.3170250766	38.79023693126253	-101.8088416	559519.8494618024	409245.65795864	3352.122159627297	3300.401004292137	3298.6213508326786	3300.34511567125	13.2796531966313	23.45948746790677
134	416	307234	-283161.1413	1066297.3170250766	38.79025641029059	-101.8064945	559710.8606858008	409240.4550912324	3350.663371930234	3300.967724715158	3298.6219536	3298.530336462454	26.4643878726126	0
135	416	307235	-282501.1413	1066297.3170250766	38.79027584397469	-101.8041475	559921.3960343855	40						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRrElev.Kg.f	BRrElev.Kg.f	Wt	SurfBoth.f
215	416	307315	-227901.1413	1066297.3170250766	39.00086302935592	-01.6163771	276004.6401734379	4408910.446	3485.1902108573895	3261.281543104068	3184.1905245688786	3184.3192048120723	77.09101854	76.96233829199582
216	416	307316	-229041.1413	1066297.3170250766	39.00096393613752	-01.614029	276205.6643371282	4408906.319031292	3492.1703531875216	3260.1882580937562	3191.9903990787652	3190.202592173662	78.19785994343965	69.985336313667296
217	416	307317	-228381.1413	1066297.3170250766	39.00071508969269	-01.6164791	276406.6982727032	4408902.193024394	3498.1530237691784	3259.0482344466257	3188.558273233597	3188.7207698162373	78.53989723350566	70.37345165080846
218	416	307318	-227721.1413	1066297.3170250766	39.000730767000246	-01.6093356	276607.7134918629	4408896.067029123	3506.131183478267	3258.015187684169	3186.176025239896	3186.056849772160	78.184816244618332	72.40669892652313
219	416	307319	-227061.1413	1066297.3170250766	39.00074639	-01.6069884	276808.73075	4408894.941261464	3509.1922987882467	3256.9433264287113	3183.7115801737827	3183.218406139013	78.32427452482673	73.72429027977933
220	416	307320	-226401.1413	1066297.3170250766	39.00076170975465	-01.6046412	277009.76172204143	4408889.915739416	3508.3324043389334	3255.8865567134575	3181.0343438478727	3180.6201113456174	78.474271681	76.2654235020196
221	416	307321	-225741.1413	1066297.3170250766	39.000774639	-01.6022294	277210.7843884	4408884.66042696	3507.476109889821	3254.844780199535	3178.71419070865	3177.8322057240935	78.6790849885004	77.01252448
222	416	307322	-225081.1413	1066297.3170250766	39.0007929356292	-01.5999469	277411.8081761411	4408881.565	3506.610454403062	3252.827492250157	3175.94164561028	3175.76442469898029	78.08110361295758	76.96442469898029
223	416	307323	-224421.1413	1066297.3170250766	39.00080643683616	-01.5978997	277612.8312697272	4408877.140483669	3504.883971709263	3252.026891673567	3172.102435312076	3171.617698851805	78.0184365552472	76.96442469898029
224	416	307324	-223761.1413	1066297.3170250766	39.0008238347629	-01.5952525	277813.854007327	4408873.31670142	3502.303995051474	3251.839747026396	3168.246210502415	3167.8671371224673	78.59353646	83.9301580168945
225	416	307325	-223101.1413	1066297.3170250766	39.00083918734155	-01.5929053	278014.8769136533	4408869.191801307	3499.73126920222	3250.8790394242275	3163.507472266974	3163.1546168082033	78.73153168	87.7243835242519
226	416	307326	-222441.1413	1066297.3170250766	39.00085444573683	-01.5905582	278215.8993580303	4408865.06744453	3497.123331	3249.9376403496132	3162.7440841994758	3162.7212482550463	79.19356515014047	87.216329024017572
227	416	307327	-221781.1413	1066297.3170250766	39.0008695645785	-01.588221	278426.916103329	4408860.943661415	3489.3844155688665	3249.014050022133	3163.8522143353127	3164.507025662637	81.0618354898029	84.50740743650301
228	416	307328	-221121.1413	1066297.3170250766	39.0008849729939	-01.5858538	278617.943430484	4408856.42043076	3476.496768109912	3248.1063632463847	3164.9767912677094	3166.0063243386717	83.1295719777131	82.09972986
229	416	307329	-220461.1413	1066297.3170250766	39.0009014418701	-01.5835166	278818.965482804	4408852.69792049	3463.6001294129957	3247.212877074195	3166.3604810504262	3167.1902551618485	80.85241602	80.02262191231057
230	416	307330	-219801.1413	1066297.3170250766	39.00091527030416	-01.5811684	279019.987051514	4408849.574	3450.721472635002	3246.3313752708827	3168.500280913144	3169.697885501424	77.82210636	76.63349917074038
231	416	307331	-219141.1413	1066297.3170250766	39.00093030526906	-01.5788222	279221.0043888083	4408844.45120776	3447.119645434744	3245.493440589381	3172.7248454994846	3172.12495893648	74.7309508989627	73.33440896573296
232	416	307332	-218481.1413	1066297.3170250766	39.00094535857526	-01.576475	279422.0296006185	4408840.328624915	3432.805311382916	3244.591821641307	3173.57670066275	3174.68871621173415	75.01125098	69.90309352390245
233	416	307333	-217821.1413	1066297.3170250766	39.000960375477146	-01.5741278	279623.050547608	4408836.20629963	3438.46752733036	3243.7254474673236	3175.95843401392	3175.44948989845	76.7656040659317	66.6259756877853
234	416	307334	-217161.1413	1066297.3170250766	39.00097531993143	-01.5717806	279824.071278328	4408832.046121509	3434.1716542378134	3242.858491	3178.125974072582	3179.35127959266	74.6183549862346	63.50696349862346
235	416	307335	-216501.1413	1066297.3170250766	39.00099021903838	-01.5694335	280025.0912590463	4408827.962376347	3469.5675937020434	3241.9893489057936	3178.778193723225	3180.2888180387823	63.5111528568746	61.70035825011325
236	416	307336	-215841.1413	1066297.3170250766	39.00100570779796	-01.5670683	280226.11259074483	4408823.460782699	3476.475470496229	3241.173614785513	3180.117219672063	3181.779397192754	61.00014193625045	59.37626428
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238	416	307338	-214521.1413	1066297.3170250766	39.00103464	-01.5623199	280628.152035919	4408815.59832369	3484.891251409257	3239.355917785096	3181.087002190723	3182.349952158907	62.58951794375516	56.40529552027855
239	416	307339	-213861.1413	1066297.3170250766	39.00104369192035	-01.5600447	280829.1716906476	4408811.47475653	3487.1311951045067	3238.459343804113	3178.08368957897	3182.611123244345	62.58951794375516	56.40529552027855
240	416	307340	-213201.1413	1066297.3170250766	39.00106403	-01.5578975	281030.1911264941	4408807.35686134	3486.503420540762	3237.549352562366	3174.3905610247634	3181.49543974032	61.5879153760261	56.0539127983384
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243	416	307343	-211221.1413	1066297.3170250766	39.001117778385724	-01.5506519	281633.2481463724	4408804.962501196	3484.939479966116	3235.7248454994846	3172.7248454994846	3181.5412120163846	65.14007678391413	54.14188262994442
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258	416	307358	-201321.1413	1066297.3170250766	39.0013203256974	-01.5154478	284648.5044656445	4408733.271818094	3456.109542341323	3216.955376531816	3142.52227	3143.967804745585	74.07310257	62.627

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHtLog.ft	SatHtBoth.ft
341	416	307441	-145651.1413	1066297.3170250766	39.80231235409756	-101.3206262	301332.0820935641	4083932.438020436	3294.3151392233976	3007.018228973426	3017.1007500910378	3018.3328907273026	78.01207289630488	77.6773921504007
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346	416	307446	-143241.1413	1066297.3170250766	39.802336213	-101.3088898	302337.0272695955	408371.962384564	3284.534257860964	3066.780470120934	3007.868797516432	3009.1803216721307	78.0176240686275	77.6601402486275
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348	416	307448	-141921.1413	1066297.3170250766	39.80238172920486	-101.3041952	302709.0679663322	408363.7384204	3281.6119222406706	3082.8133921267393	3004.16970553632	3009.1633988729	78.645857274747	75.763705223809026
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356	416	307456	-136641.1413	1066297.3170250766	39.80245829417341	-101.2851489	304347.0402592749	408331.029	3253.6318207492133	3063.897120070323	3008.117168796763	3010.029159723004	54.78255180357246	54.780607728898
357	416	307457	-135981.1413	1066297.3170250766	39.80246760736724	-101.2830698	304548.0393373743	408326.937030596	3248.142986	3061.24889446818	3009.868523196397	3010.688800313166	51.3803711486748	50.1000937500165
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379	416	307479	-121461.1413	1066297.3170250766	39.80266225094733	-101.2314291	308969.8928382853	408237.964850065	3210.475629752687	3000.336594888863	3002.774659275687	3004.157299330327	0	0
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381	416	307481	-120141.1413	1066297.3170250766	39.80267885253462	-101.2267345	309371.874328823	408228.400407961	3210.530927837093	3008.403328170366	3000.5246198061177	3001.660304	0	0
382	416	307482	-119481.1413	1066297.3170250766	39.80268706533064	-101.2243372	309572.8636785456	408224.718	3210.530927837093	3008.403328170366	3000.5246198061177	3001.660304	0	0
383	416	307483	-118821.1413	1066297.3170250766	39.80269546739682	-101.221871	309792.8636785456	408220.718	3210.530927837093	3008.403328170366	3000.5246198061177	3001.660304	0	0
384	416	307484	-118161.1413	1066297.3170250766	39.80270341483248	-101.2196028	309972.8636785456	408216.547294718	3210.530927837093	3008.403328170366	3000.5246198061177	3001.660304	0	0
385	416	307485	-117501.1413	1066297.3170250766	39.80271151	-101.2173453	310175.8381653146	408212.462189555	3210.530927837093	3008.4033				

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRLEvLogsKg.f	BRLEvBothKg.f	SatThkLogs.f	SatThkBoth.f		
467	416	30767	-63381.14133	1066297.3170250766	39.03022111	-101.0248649	326666.44072426235	4407878.314083299	2963.306307605948	2839.99567051162	2870.2207467280746	2869.128032742887	0	0		
468	416	30768	-6227.141133	1066297.3170250766	39.0302544574862	-101.0225175	326857.6146858598	4407874.2452250195	2966.0267423170653	2840.552088704253	2868.84996783394	2867.82658	0	0		
469	416	30769	-6261.14133	1066297.3170250766	39.03025972366505	-101.0201722	327658.3029391957	4407876.154610325	2968.745177584537	2841.06022737088071	2865.7635270786871	2865.7635270786871	0	0		
470	416	30770	-61201.14133	1066297.3170250766	39.0302374853096	-101.0178223	327259.367146037	440776.3212023098	2971.4636135411063	2841.579083	2863.89854250307	2863.2001206715	0	0		
471	416	30771	-60741.14133	1066297.3170250766	39.030238171344326	-101.0154755	327460.3427124269	4407862.056111655	2973.0668326650925	2842.0479067912866	2860.7762603027422	2860.3730113109252	0	0		
472	416	30772	-60081.14133	1066297.3170250766	39.0302432256051	-101.0131282	327661.3177860197	4407875.992272663	2973.5548362012896	2842.485088050612	2857.54211793594	2857.486147505974	0	0		
473	416	30773	-59421.14133	1066297.3170250766	39.03024643	-101.0107808	327862.29269244475	4407883.928872225	2974.042394374862	2842.889819329527	2842.3950093927746	2852.7586851439148	0	0		
474	416	30774	-58761.14133	1066297.3170250766	39.03025549	-101.0084335	328063.2674319106	4407854.865190325	2974.530842673683	2843.2580484905336	2851.4874381459495	2852.2263843691048	0	0		
475	416	30775	-58101.14133	1066297.3170250766	39.0302595348869	-101.006961	328564.2420462256	4407845.802039861	2988.54968	2843.59242800161	2848.33504232115	2850.32255669817	0	0		
476	416	30776	-57441.14133	1066297.3170250766	39.0302547363522	-101.0037288	328658.21640178026	4407847.129112125	2956.09535493258	2843.890355120276	2848.182441703025	2849.56237814082	0	0		
477	416	30777	-56781.14133	1066297.3170250766	39.030263803803	-101.0013915	328866.1906560595	4407873.674608035	2943.649027724625	2844.152038310268	2848.1201463092452	2850.32680646666	0	0		
478	416	30778	-56121.14133	1066297.3170250766	39.0302662708902	-100.9990441	328967.1647242984	4407833.614	2931.1967010934226	2844.37663089138	2846.8728877283147	2849.76384431099	0	0		
479	416	30779	-55461.14133	1066297.3170250766	39.0302701707821	-100.9966968	329068.13683250505	4407829.551858676	2932.281571039464	2844.5889019516713	2846.3056273558584	2849.40664229363	0	0		
480	416	30780	-54801.14133	1066297.3170250766	39.03027389913557	-100.9943944	329269.1123740946	4407825.489922852	2946.8976352651906	2844.3068633422	2846.138774083437	2849.50629292393	0	0		
481	416	30781	-54141.14133	1066297.3170250766	39.0302764211311	-100.9920201	329470.0859506177	4407821.42833051	2961.5170085576	2844.760085738	2845.130450015389	2848.6937843893347	0	0		
482	416	30782	-53481.14133	1066297.3170250766	39.03028133977481	-100.9896548	329671.052061397	4407817.366781648	2976.1297608632	2844.9608174497	2845.862185849177	2849.61152849193704	0	0		
483	416	30783	-52821.14133	1066297.3170250766	39.0302849026668	-100.9873074	329872.032607349	4407813.305576249	2977.7812951200476	2845.0308313945457	2846.9621432007093	2850.8451151793934	0	0		
484	416	30784	-52161.14133	1066297.3170250766	39.0302859006684	-100.9849601	330073.00568915403	4407809.246413207	2966.4682879570333	2845.073195	2849.719057501964	2853.916417594854	0	0		
485	416	30785	-51501.14133	1066297.3170250766	39.03029216058491	-100.9826127	330273.9786056148	4407805.138395801	2955.15528078918	2845.08836654595	2846.79264163333	2855.660337145843	0	0		
486	416	30786	-50841.14133	1066297.3170250766	39.03029567831084	-100.9802654	330474.9513571754	4407801.1234275	2943.842736310035	2845.082759864605	2853.5469282594964	2853.5469282594964	0	0		
487	416	30787	-50181.14133	1066297.3170250766	39.03029915	-100.9779811	330675.9238457706	4407793.03181934	2938.45318589168	2845.05703331172	2855.446335360339	2859.2428377896777	0	0		
488	416	30788	-49521.14133	1066297.3170250766	39.0303025324804	-100.9755707	330876.96839991676	4407787.03200934	2938.049015670088	2845.010915627847	2860.71284441136	2862.250120858982	0	0		
489	416	30789	-48861.14133	1066297.3170250766	39.0303059342895	-100.9734793	331087.943456149	4407781.844625638	2938.63246980358	2845.07848982543	2865.885362934667	2865.885362934667	0	0		
490	416	30790	-48201.14133	1066297.3170250766	39.03030928254475	-100.970876	331278.80472516044	4407784.884	2940.20009846786	2844.58533685834	2865.704081921399	2868.682891440713	0	0		
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492	416	30792	-46881.14133	1066297.3170250766	39.0303158259055	-100.9661813	331680.784274435	4407776.75682195	2961.51801538031	2844.622924178304	2875.245037841436	2877.15365366144	0	0		
493	416	30793	-46221.14133	1066297.3170250766	39.03031902	-100.963834	331881.756037739	4407761.76910081	2975.526186708697	2844.47712487489	2880.19045935555	2881.918256	0	0		
494	416	30794	-45561.14133	1066297.3170250766	39.0303217405341	-100.9614687	332082.72477737064	4407768.64883138	2988.5415580373083	2844.3000138841952	2884.243006	2885.857026381738	0	0		
495	416	30795	-44911.14133	1066297.3170250766	39.03032528212282	-100.9591389	332285.9685933874	4407764.989898595	2988.140416610742	2844.5857735180057	2888.558830929467	2888.558830929467	0	0		
496	416	30796	-44211.14133	1066297.3170250766	39.030328371335	-100.9569134	332484.9831788445	4407763.93188445	3000.07781730323445	2844.989565232445	2890.956055704926	2891.4717350481727	0	0		
497	416	30797	-43581.14133	1066297.3170250766	39.03033136	-100.9544446	332685.640833242	4407764.47259754	3015.76352703787	2843.6350074373527	2873.980542496573	2875.428978964787	0	0		
498	416	30798	-42921.14133	1066297.3170250766	39.0303343421862	-100.9520973	332886.611627552	4407752.416705314	3023.449240371691	2843.36963749827	2867.0408981487685	2868.4973212616836	0	0		
499	416	30799	-42261.14133	1066297.3170250766	39.0303372680806	-100.9497499	333087.5822600784	4407748.359391949	3025.4446132817443	2843.047935804515	2860.631072291144	2862.140168234027	0	0		
500	416	30800	-41601.14133	1066297.3170250766	39.03034012418956	-100.9474026	333288.5234211013	4407744.30226408	3021.749643067547	2842.706361049033	2854.968447253377	2856.5864051049	0	0		
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502	416	30802	-40281.14133	1066297.3170250766	39.03034587169616	-100.9427935	333693.9695837916	4407736.182913073	3014.38723236747	2841.917523236747	2846.2879311941597	2849.007081470493	0	0		
503	416	30803	-39621.14133	1066297.3170250766	39.03034854100763	-100.9403605	333891.4627619755	4407732.132080498	2981.46328598646	2841.66328598646	2842.897525268001	2847.93996162818	0	0		
504	416	30804	-38961.14133	1066297.3170250766	39.03035112390245	-100.9380132	334092.4310821273	4407728.04264249	2998.65054146616	2840.95602693826	2840.132946470867	2842.35700230961	0	0		
505	416	30805	-38301.14133	1066297.3170250766	39.030358684584	-100.9356659	334293.4027668332	4407724.0983329	2988.433597053607	2840.40214552735	2837.858257536509	2842.2017938036319	0.18420748641574392	0	0	
506	416	30806	-37641.14133	1066297.3170250766	39.03035648	-100.9333185	334494.372455506	4407719.959626873	2980.2512479614723	2839.796830806253	2835.981011937259	2838.403500397959	1.39330730493836	0	0	
507	416	30807	-36981.14133	1066297.3170250766	39.0303590152016	-100.9309712	334695.3416201018	4407715.90962081	2980.8515199883127	2839.138653602878	2834.4290978182451	2839.65865081079	4.70955780427753	2.307984519999925	0	0
508	416	30808	-36321.14133	1066297.3170250766	39.03036155995862	-100.9282628	334896.3106057019	4407711.854540359	2991.381713135886	2838.425178379039	2833.143023671884	2835.4398433933464	5.29644093934665	0	0	
509	416	30809	-35661.14133	1066297.3170250766	39.03036403378464	-100.9259783	335097.278831524	4407707.986622948	2993.639622962294	2837.63834377287	2836.91867787745	2837.63834377287	0	0		
510	416	30810	-35001.14133	1066297.3170250766	39.03036646092712	-100.9232991	335298.24869878523	4407703.150271073	2984.402209421362	2836.822561177583	2831.106302383543	2832.986848210416	5.16213809728607	3.835711946312436	0	0
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512	416	30812	-33681.14133	1066297.3170250766	39.03037118045039	-100.9192344	335700.18595278397	4407691.63486709	3011.44832975216	2834.971932087324	2828.9236080573674	2830.390518384906	5.044212413136491	4.4666018215	0	0
513	416	30813	-33021.14133	1066297.3170250766	39.03037347	-100.9168871	335901.1534417576	4407691.58282194	3007.27572216002	2833.94845198126	2827.9390595188897	2828.8048110214794	6.00923262372946	5.145640964680672	0	0
514	416	30814	-32361.14133	1066297.3170250766	39.0303751856558	-100.9145397	336102.1225270447	4407687.528919075	3003.107146959998	2832.85678294218	2825.782791792093	2826.62270729613	7.00732762948855	6.234062762608075	0	0
515	416	30815														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.f	BRIElevBothKgs.f	SatThkLogs.f	SatThkBoth.f
53	416	307693	19778.8586730335	10662697.310250766	39.03040987008995	-100.7290991	3515978.1290540173	4073368.057398673	2854.025175003264	2660.295178847498	2699.3718368518653	2703.067186259625	0	0
594	416	307694	20438.8586730335	10662697.310250766	39.03040848	-100.7267517	352179.0852562289	407335.4231134184	2657.04488211266263	2658.225467	2697.3913069704568	2700.974262472475	0	0
595	416	307695	21098.8586730335	10662697.310250766	39.030434781163966	-100.7244627	35399.9939491487	407335.9891421187	2656.165892481772	2698.0712841371138	2698.0712841371138	2698.0712841371138	0	0
596	416	307696	21758.8586730335	10662697.310250766	39.0304558867263	-100.722057	355280.9927234871	407335.95329669	2656.93326511681632	2654.116287419958	2694.334206472887	2697.4917407200755	0	0
597	416	307697	22418.8586730335	10662697.310250766	39.0304040782961	-100.7197097	352781.95301714104	407335.9121886623	2655.850279714154	2652.076237362365	2690.627953370263	2693.9642650412287	0	0
598	416	307698	23078.8586730335	10662697.310250766	39.03040207634324	-100.7173623	352982.08664718077	407334.888621043	2654.7691277401454	2650.455818921464	2686.615330687092	2689.7714273768821	0	0
599	416	307699	23738.8586730335	10662697.310250766	39.03040089086924	-100.715015	353183.8641414746	407335.855588915	2651.690986198763	2648.02386574252517	2684.8587209796897	2688.331028521141	0	0
600	416	307700	24398.8586730335	10662697.310250766	39.03039924516748	-100.712676	353384.8195	407339.822819327	2646.640590000064	2646.011342685823	2682.304231834798	2685.6417007179133	0	0
601	416	307701	25058.8586730335	10662697.310250766	39.03039754583593	-100.7103293	353685.774	407336.7902819815	2641.5921238612503	2644.08837329818	2678.7413854229877	2682.8932812574563	0	0
602	416	307702	25718.8586730335	10662697.310250766	39.0303980133233	-100.7079729	353766.729779368	407331.571987175	2635.523642724547	2642.016024002335	2677.1869519205872	2680.2222425048634	0	0
603	416	307703	26378.8586730335	10662697.310250766	39.03038401137668	-100.7056256	353887.6847110704	407327.725834782	2630.456716819565	2640.0325506062372	2674.6518232551536	2677.5167456808016	0	0
604	416	307704	27038.8586730335	10662697.310250766	39.03039217606894	-100.7032782	354188.6395	407323.694124795	2623.4963852822737	2638.0586306358496	2672.145165	2674.826585188231	0	0
605	416	307705	27698.8586730335	10662697.310250766	39.03039250409145	-100.7009309	354389.59415420477	407331.91663	2616.5009748258176	2636.0939359575235	2669.6721898256974	2672.15554858008612	0	0
606	416	307706	28358.8586730335	10662697.310250766	39.03038837	-100.6985835	354590.54866607784	407315.631232018	2608.503603828986	2634.13710650373	2668.0460580309393	2670.398428412053	0	0
607	416	307707	29018.8586730335	10662697.310250766	39.0303639803341	-100.6962362	354591.5903342923	407311.600149212	2600.10684025366	2632.1892473194587	2665.12753251613	2667.247273768821	0	0
608	416	307708	29678.8586730335	10662697.310250766	39.0303540444862	-100.693888	354992.45727146836	407307.569308777	2788.311115	2630.2495252732022	2662.8162407543143	2664.7464725858745	0	0
609	416	307709	30338.8586730335	10662697.310250766	39.0303281924946	-100.6915415	355183.4113653881	407303.539	2778.515248058470	2628.31575	2663.811152108321	2666.0547016102727	0	0
610	416	307710	30998.8586730335	10662697.310250766	39.0303821182943	-100.6891194	355394.3653204256	407299.55034999	2764.719378194028	2626.392486395499	2661.6195565618764	2663.620390750169	0	0
611	416	307711	31658.8586730335	10662697.310250766	39.0303786095573	-100.6868468	355955.3191	407296.478241635	2756.433828326336	2624.473953808665	2659.4801561772306	2661.271977657412	0	0
612	416	307712	32318.8586730335	10662697.310250766	39.030375860933244	-100.6844994	355796.27281459596	407291.48	2751.658597128106	2622.561363582512	2657.39480314716	2658.892481827947	0	0
613	416	307713	32978.8586730335	10662697.310250766	39.0303761745714	-100.6821521	355997.22635415837	407291.48174919	2746.838593448	2620.62552614258	2655.626423398457	2656.759028668347	0	0
614	416	307714	33638.8586730335	10662697.310250766	39.03037132862898	-100.6798048	356198.197555044	407283.38555546	2732.06314773505	2618.7468610551755	2652.648065381447	2654.52560012568	0	0
615	416	307715	34298.8586730335	10662697.310250766	39.030364444862	-100.677439	356390.2415192509	407279.8902114807	2724.226738988986	2617.8244845839357	2651.62165840444	2652.34836115752	0	0
616	416	307716	34958.8586730335	10662697.310250766	39.0303645191662	-100.6751101	356600.081451969	407273.331309728	2714.256284859687	2614.545222172681	2649.834147766097	2650.21689762256	0	0
617	416	307717	35618.8586730335	10662697.310250766	39.0303619003242	-100.6727627	356801.0391336846	407271.302052605	2700.678461971122	2613.040919163965	2648.5626941740825	2648.671896339472	0	0
618	416	307718	36278.8586730335	10662697.310250766	39.03036171979623	-100.6704154	357001.991848202	407267.274233089	2755.061639083776	2611.156188121937	2646.8342348235187	2647.0059114789906	0	0
619	416	307719	36938.8586730335	10662697.310250766	39.0303592040803	-100.668068	357202.9446991108	407263.246058187	2754.247929843578	2609.2687811879624	2645.1517576575447	2645.143200811246	0	0
620	416	307720	37598.8586730335	10662697.310250766	39.030356643267826	-100.6657207	357403.89727466136	407259.812155555	2748.2373342517235	2607.3807267180905	2643.0662570549305	2642.884569689586	0	0
621	416	307721	38258.8586730335	10662697.310250766	39.0303540697555	-100.663373	357604.9497171771	407255.19045181	2742.226738988986	2605.8979103108983	2638.868655734117	2639.841457709813	0	0
622	416	307722	38918.8586730335	10662697.310250766	39.0303513831461	-100.661026	357805.8202848034	407251.1520490405	2737.614306813494	2604.1924904045	2637.72165840444	2637.72165840444	0	0
623	416	307723	39578.8586730335	10662697.310250766	39.030348683352	-100.6586786	358006.7541895378	407247.316	2731.300952635473	2601.746332312478	2638.10728605825	2638.843151516335	0	0
624	416	307724	40238.8586730335	10662697.310250766	39.0303454987196	-100.6563133	358207.7062215918	407243.108817518	2727.4811673622435	2599.879490617914	2637.27373733713	2637.928204407096	0	0
625	416	307725	40898.8586730335	10662697.310250766	39.03034315828709	-100.653839	358408.688178374	407239.082096807	2723.66138208913	2598.0198571386177	2631.887936508226	2631.220691353153	0	0
626	416	307726	41558.8586730335	10662697.310250766	39.0303432535034	-100.6516366	358609.6987848195	407235.055616872	2719.8415968157824	2596.1884170493787	2629.044685845006	2628.021793787787	0	0
627	416	307727	42218.8586730335	10662697.310250766	39.03033744685301	-100.6495269	358810.561037292	407231.029	2713.810884741175	2594.26297383624	2624.252996495522	2622.98361674934	0	0
628	416	307728	42878.8586730335	10662697.310250766	39.03034523075044	-100.6461954	359026.0452307504	407227.003356044	2708.5625178950177	2592.494574174608	2622.45507811102	2623.31553380727	0	0
629	416	307729	43538.8586730335	10662697.310250766	39.03033515	-100.6445546	359212.64345886416	407222.97832412	2697.4749624472484	2590.674564812484	2619.7564785319096	2622.95816175293	0	0
630	416	307730	44198.8586730335	10662697.310250766	39.03028539055756	-100.6424272	359413.4157	407218.952119963	2689.058942249176	2588.867294251346	2616.8941444034366	2614.905175951308	0	0
631	416	307731	44858.8586730335	10662697.310250766	39.0302547969397	-100.6398999	359614.3668	407214.827	2687.5632897875147	2587.074838028758	2614.561129794239	2612.504985573078	0	0
632	416	307732	45518.8586730335	10662697.310250766	39.03022374501517	-100.6375525	359815.31770614354	407210.901825565	2692.7067132712919	2585.2909073715914	2612.28479682425	2610.17139424384	0	0
633	416	307733	46178.8586730335	10662697.310250766	39.03031924014057	-100.6350262	360016.2683526816	407206.877041588	2697.9574988671024	2584.352333660467	2610.0689187621233	2609.7319269642	0	0
634	416	307734	46838.8586730335	10662697.310250766	39.030316028149924	-100.6328578	360217.2150265993	407202.850499577	2703.154774807679	2583.256549569764	2607.9305341563995	2605.7298478963367	0	0
635	416	307735	47498.8586730335	10662697.310250766	39.0303138200581	-100.6305058	360428.198320958	407198.188209058	2698.101323467006	2582.168997958873	2603.151234670006	2603.151234670006	0	0
636	416	307736	48158.8586730335	10662697.310250766	39.0303093506501	-100.6281632	360619.12107120711	407194.80142487	2699.3936	2578.423862	2603.90319676452	2601.6422993934727	0	0
637	416	307737	48818.8586730335	10662697.310250766	39.03030616843271	-100.6258158	360820.070454703	407190.78032701	2696.16304464541	2576.7800211076367	2601.147260987804	2598.068700392057	0	0
638	416	307738	49478.8586730335	10662697.310250766	39.0302979115751	-100.6234685	361021.0260420904	407186.75675378	2690.927449432372	2575.1737598307727	2599.854667	2596.900558406614	0	0
639	416	307739	50138.8586730335	10662697.310250766	39.0302939853403	-100.6211211	361221.9706207927	407182.73422244	2687.76730017153	2573.610351890613	2598.87921774392	2596.111720680212	0	0
640	416	307740	50798.8586730335	10662697.310250766	39.0302950051475	-100.6187738	361422.9026046616	407178.170333257	2684.18846399485	2572.06522613142	2596.2418389576396	2595.748258514719	0	0
641	416	307741	51458.8586730335	10662697.310250766	39.030									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRRElevKgr.f	BRRElevKgr.f	SatHtKgr.f	SatHtBoth.f
719	47	30718	10329.85867307335	1066297.3170250766	39.8028796189222	-100.433347	27797.5597457213	4006861.050508735	2694.3769213361184	2555.8359044468514	2552.081282335236	2552.3034046956246	3.75372213132777	3482.895038526783
720	47	30720	10359.85867307335	1066297.3170250766	39.802879152	-100.430974	27748.49849957137	4006854.64757137	2705.72528913677	2549.946919147066	2550.2935997814017	2550.68711443017	4.124794651707896	3472.94651707896
721	47	30721	10459.85867307335	1066297.3170250766	39.8028638144136	-100.426841	27769.43894993867	4006853.545	2706.123684912354	2553.915286981021	2551.8334089516921	2551.8334089516921	4.702372371071885	3472.94651707896
722	47	30722	10479.85867307335	1066297.3170250766	39.80287194563938	-100.426297	27790.37902021393	4006859.64	2712.075426179422	2552.551179	2547.7162432100401	2547.7162432100401	4.852604137097988	3483.332677691645
723	47	30723	10557.85867307335	1066297.3170250766	39.80284996	-100.423954	27801.3187897085	4006856.63695042	2712.25857229555	2551.4050856111603	2546.275609658405	2546.5281315452935	5.132479592755158	3482.7695046586612
724	47	30724	10623.85867307335	1066297.3170250766	39.802846498238	-100.4215981	278302.2582617067	4006841.63164141	2706.7254261713665	2550.2322215649119	2545.15006723572	2545.410691417913	5.08221484619557	3482.1532427012243
725	47	30725	10689.85867307335	1066297.3170250766	39.80283212738	-100.4192508	278503.19761851535	4006837.63191592	2701.194975028	2549.036271376354	2544.877663	2544.792921509951	4.1599636722954565	3482.05672684292
726	47	30726	10758.85867307335	1066297.3170250766	39.8028279939214	-100.4169035	278704.1368603419	4006833.621931546	2695.664524	2547.810870812858	2545.68687087706	2543.637402580174	4.173130544054454	3477.30544045454
727	47	30727	10828.85867307335	1066297.3170250766	39.80282059	-100.4145652	278905.9789872984	4006829.627	2695.459142254465	2546.546268047853	2542.951142469345	2542.951142469345	3.713684589698527	3470.16589698527
728	47	30728	10878.85867307335	1066297.3170250766	39.802813211456616	-100.4122089	279106.01409957015	4006825.62341127	2691.35416954591	2545.29670855972	2541.608713834317	2541.1973415427435	3.68909025040487	3469.02313498525
729	47	30729	10953.85867307335	1066297.3170250766	39.8028051197805	-100.4098614	279306.9539	4006821.624	2690.63327768337	2540.005954004837	2540.1319093216456	2539.636811343103	3.478407083192177	3466.342671733597
730	47	30730	11018.85867307335	1066297.3170250766	39.80279806758809	-100.4075142	279507.892819578	4006817.622317378	2688.725600412683	2542.6940320437375	2537.544663555129	2537.2012721836	4.1599597	3484.365825523992
731	47	30731	11058.85867307335	1066297.3170250766	39.80279407264564	-100.405169	279708.8313519682	4006816.6221	2692.9038	2541.362292576704	2536.0074637361636	2535.32395994802	4.5495879150682	3482.96974642635
732	47	30732	11158.85867307335	1066297.3170250766	39.8027823231595	-100.4028196	279909.7699092357	4006809.620560479	2700.187138321087	2540.011592844436	2535.805780727031	2535.16141258557	4.205812117405003	3480.75485878904
733	47	30733	11217.85867307335	1066297.3170250766	39.80277514665396	-100.4004723	280110.7084	4006805.61949584	2705.453039532777	2538.641273474257	2537.2584070616767	2536.39503433944	4.173130544054454	3477.30544045454
734	47	30734	11283.85867307335	1066297.3170250766	39.8027641564032	-100.398125	280311.646809015	4006801.61987121	2714.7253652386457	2537.250022153773	2541.45168590332	2541.11824067716	0	3470.16589698527
735	47	30735	11349.85867307335	1066297.3170250766	39.802759639276225	-100.3957777	280512.584896922	4006797.61943677	2719.115007317122	2535.846196514083	2545.752037624338	2545.50237038657	0	3470.16589698527
736	47	30736	11415.85867307335	1066297.3170250766	39.80275181756115	-100.3934304	280713.3809715997816	4006793.91594628	2720.16157592546	2544.22699184122	2549.420695691802	2549.1860895172303	0	3470.16589698527
737	47	30737	11481.85867307335	1066297.3170250766	39.80274306495575	-100.3910831	280914.6409906141	4006789.91989868	2722.12892420239	2532.98297408236	2552.4932638837594	2552.29366669125	0	3470.16589698527
738	47	30738	11547.85867307335	1066297.3170250766	39.80273603807	-100.3887358	281115.3986873984	4006785.62048937	2723.65826512223	2531.752640484213	2554.389932	2553.716240482196	0	3470.16589698527
739	47	30739	11613.85867307335	1066297.3170250766	39.80272800311745	-100.3863885	281316.336365666	4006781.621222367	2716.59719579601	2530.057196588475	2555.369721484145	2554.553162110777	0	3470.16589698527
740	47	30740	11679.85867307335	1066297.3170250766	39.80272007193676	-100.384441	281517.274282594	4006775.62323969	2718.52097519601	2528.57329713394	2558.698796217072	2558.65503179049	0	3470.16589698527
1	47	30741	11749.85867307335	1066297.3170250766	39.80271200545414	-100.382641	281703.4685815	4006771.6200202	2719.54685814547	2531.5692519494	2561.3281055486	2561.3281055486	6.25189167267081	3470.16589698527
2	47	30742	11820.85867307335	1066297.3170250766	39.8027061	-100.38123	281935.2242558182	4006996.367158851	3800.230435050637	3562.26548525236	3486.17825970958	3486.17825970958	70.0276742742037	74.044707986943
3	47	30743	11896.85867307335	1066297.3170250766	39.802700152016918	-100.379831	282136.339692828	4006912.18706502	3800.58950706232	3560.529214476994	3488.51204084043	3488.51204084043	70.0276742742037	74.044707986943
4	47	30744	11966.85867307335	1066297.3170250766	39.8026941569	-100.377611	282367.801083413	4006988.09	3801.7145290648	3558.7937549296	3481.8766023430703	3481.8766023430703	69.1713521	77.6975523793391
5	47	30745	12036.85867307335	1066297.3170250766	39.80268822239411	-100.375428	282578.4555473988	4006983.80144018	3802.8233987874646	3557.0591257167634	3487.417354054655	3485.8124307513044	69.1713521	77.6975523793391
6	47	30746	12106.85867307335	1066297.3170250766	39.80268250330776	-100.373242	282789.307369079	4006979.65136384	3803.935464680807	3555.32736937108	3485.118356438314	3483.408826989584	70.2070203927671	71.9165164751271
7	47	30747	12176.85867307335	1066297.3170250766	39.80267624430796	-100.3710585	282990.60565444	4006975.74731	3804.792689386883	3553.39249459876	3482.952163351864	3482.952163351864	69.696321	71.9165164751271
8	47	30748	12246.85867307335	1066297.3170250766	39.8026703307461	-100.3688758	283191.68111569	4006971.258	3799.3546224267067	3551.86093167518	3482.952163351864	3482.952163351864	69.696321	71.9165164751271
9	47	30749	12316.85867307335	1066297.3170250766	39.802664338878	-100.3666914	283392.753065398	4006967.11578692	3795.996127959884	3550.140782133534	3483.36218917121	3483.2531215125982	66.877350705517	71.9165164751271
10	47	30750	12386.85867307335	1066297.3170250766	39.8026581640317	-100.3645075	283593.828337393	4006962.3407038	3792.60906204082	3548.402183439015	3482.164741102771	3482.164741102771	66.2374423264438	66.2190521673198
11	47	30751	12456.85867307335	1066297.3170250766	39.8026523407774	-100.3623187	283794.920740024	4006958.763	3790.0210397116	3546.675683062067	3480.974183427805	3481.1187844906	65.55048783919	65.55048783919
12	47	30752	12526.85867307335	1066297.3170250766	39.80264635441246	-100.3601285	283995.9763051	4006954.58576791	3788.454060013291	3544.95058	3480.03978286992	3479.86347051591	64.9111537818768	65.0870161638093
13	47	30753	12596.85867307335	1066297.3170250766	39.8026403204731	-100.3579385	284196.9089898	4006950.4089898	3786.50610265948	3542.72951574681	3481.8400170247946	3481.1558443380814	61.387363498622	62.07210723588455
14	47	30754	12666.85867307335	1066297.3170250766	39.8026342047128	-100.3557485	284397.927811128	4006946.23245715	3784.747592936374	3541.5692519494	3481.3281055486	3481.3281055486	52.41152325109	52.41152325109
15	47	30755	12736.85867307335	1066297.3170250766	39.80262833677004	-100.353558	284598.95584854	4006942.056	3782.9454224267067	3539.789283543205	3480.9838936771	3487.75963349163	48.2929298619627	48.2929298619627
16	47	30756	12806.85867307335	1066297.3170250766	39.8026224635184	-100.3513687	284799.961041306	4006937.88	3779.925020451735	3538.069030626525	3486.746468960547	3484.041799595714	51.30438316697745	51.30438316697745
17	47	30757	12876.85867307335	1066297.3170250766	39.80261640317	-100.3491756	284999.961041306	4006933.71	3777.359422	3536.35309118865	3485.96063102138	3483.81709695213	50.849099772717	52.5408931259383
18	47	30758	12946.85867307335	1066297.3170250766	39.80261046317	-100.3469877	285199.961041306	4006929.52860038	3774.7551828105	3534.639040796504	3484.56770983238	3484.56770983238	50.07133062682	52.0853836532425
19	47	30759	13016.85867307335	1066297.3170250766	39.8026045243574	-100.3447997	285399.961041306	4006925.3511338	3771.7812101381	3532.927935980684	3482.9791349544274	3482.9791349544274	48.2929298619627	48.2929298619627
20	47	30760	13086.85867307335	1066297.3170250766	39.80259856124956	-100.3426087	285599.961041306	4006921.78463926	3768.435822185623	3531.221421968137	3482.9791349544274	3482.9791349544274	48.2929298619627	48.2929298619627
21	47	30761	13156.85867307335	1066297.3170250766	39.80259260317	-100.3404197	285799.961041306	4006917.78463926	3766.435822185623	3529.4791349544274	3482.9791349544274	3482.9791349544274	48.2929298619627	48.2929298619627
22	47	30762	13226.85867307335	1066297.3170250766	39.80258664505896	-100.3382307	285999.961041306	4006913.78463926	3764.435822185623	3527.52829272546	3480.15268226413	3479.074804343693	48.2929298619627	48.2929298619627
23	47	30763	13296.85867307335	1066297.3170250766	39.80258068303	-100.3360417	286199.961041							

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElev.KgGr.	BREIElev.KgGr.	SatThk.Logs.	SatThk.Both.
105	417	30745	-302301.1413	1066957.3170250766	39.0048612158869	-101.8745862	253894.70342884213	4095967.202571757	3502.495966707077	3358.782938699593	3379.6046575601117	3381.10668384058	0	0
106	417	30746	-301641.1413	1066957.3170250766	39.0050667071163	-101.8722291	254065.7533	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
107	417	30747	-300931.1413	1066957.3170250766	39.00527574971046	-101.869892	254296.81895152836	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
108	417	30748	-300321.1413	1066957.3170250766	39.00548823310521	-101.8675449	254467.858492776	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
109	417	30749	-299661.1413	1066957.3170250766	39.0056884625574	-101.8651798	254688.9014242055	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
110	417	30750	-299001.1413	1066957.3170250766	39.0058941406211	-101.8628507	254899.9501367827	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
111	417	30751	-298341.1413	1066957.3170250766	39.00609093652417	-101.8605036	255100.9988600257	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
112	417	30752	-297681.1413	1066957.3170250766	39.0063041364196	-101.8581658	255302.40773770025	4095963.048710389	3502.896325460567	3358.13791578537	3376.526640156599	3378.10446620145	0	0
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154	417	30794	-269961.1413	1066957.3170250766	39.0145104519006	-101.7595784								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRELEVatKgr.f	BRELEVatKgr.f	SatfthKgr.f	SatfthKgr.f	
231	417	308071	-219141.1413		1666957.3170250766	39.020743421729765	-15.5788417	279225.1420293874	4009045.762774886	314.4120985739076	324.7293945153924	3169.090074131061	3171.616595895984	75.63932038433131	73.112739892
232	417	308072	-218481.1413		1666957.3170250766	39.02075845726883	-15.5764945	279426.16230326345	4009041.84	347.9444768192134	324.852305097876	3171.341220770375	3173.517596679672	75.513093604055	70.33493241900612
233	417	308073	-217821.1413		1666957.3170250766	39.02073447456942	-15.5781472	279627.18381958728	4009037.5174568529	326.768538745166	3172.012681226427	3176.454509	3189.265718247916	75.52233294279616	70.32233294279616
234	417	308074	-217161.1413		1666957.3170250766	39.02078389230151	-15.575178	279828.20409890077	4009033.395148956	355.569233092455	324.009684166883	3174.02109652476	3177.208757112897	75.519554521053	64.8909323039856
235	417	308075	-216501.1413		1666957.3170250766	39.02080392179508	-15.5694527	280029.2234337296	4009025.2739297	346.127199334572	324.1220335349642	3175.914808813429	3178.768906331195	65.30552653621316	62.54142581644092
236	417	308076	-215841.1413		1666957.3170250766	39.02081814594008	-15.5671055	280230.2443815614	4009020.21290377	346.8302761393415	324.374163342464	3176.8441317340435	3179.779838114573	65.30552653621316	62.54142581644092
237	417	308077	-215181.1413		1666957.3170250766	39.02083296473651	-15.5647582	280431.2640350757	4009021.02938187	347.734261941822	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
238	417	308078	-214521.1413		1666957.3170250766	39.02084778184296	-15.56241	280623.2838977726	4009019.93474986	348.3037179744848	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
239	417	308079	-213861.1413		1666957.3170250766	39.02086252683344	-15.5600637	280813.3026026561	4009015.787581361	348.6722619389895	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
240	417	308080	-213201.1413		1666957.3170250766	39.02087710903302	-15.5577184	281034.2723703856	4009008.66652471	348.8011532498343	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
241	417	308081	-212541.1413		1666957.3170250766	39.02089173643568	-15.5553692	281235.3413356423	4009004.545952717	348.855910396717	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
242	417	308082	-211881.1413		1666957.3170250766	39.0209031848876	-15.5530219	281436.3600821528	4009000.426	348.855910396717	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
243	417	308083	-211221.1413		1666957.3170250766	39.020920855193015	-15.5506747	281637.37681311017	4008996.30536098	348.855910396717	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
244	417	308084	-210561.1413		1666957.3170250766	39.020935346548516	-15.5483274	281838.396926282	4008992.18569214	348.855910396717	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
245	417	308085	-209901.1413		1666957.3170250766	39.02094979525638	-15.5459801	282039.4151136336	4008986.06699889	348.855910396717	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
246	417	308086	-209241.1413		1666957.3170250766	39.0209641932207	-15.5436329	282240.430230886	4008983.94671209	347.0471745073974	323.949965488215	3177.338365205813	3180.443398194271	62.1160134024021	59.0602763339382
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263	417	308103	-198021.1413		1666957.3170250766	39.03020266002974	-15.5037293	285657.7845742415	4008915.95392709	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
264	417	308104	-197361.1413		1666957.3170250766	39.03021560376885	-15.501382	285858.7186453103	4008909.84	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
265	417	308105	-196701.1413		1666957.3170250766	39.03022918940143	-15.4990347	286059.732052762	4008905.726	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
266	417	308106	-196041.1413		1666957.3170250766	39.0302429037657	-15.496678	286260.76123403	4008901.61	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
267	417	308107	-195381.1413		1666957.3170250766	39.03025613140214	-15.4943002	286461.759587214	4008897.491748415	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
268	417	308108	-194721.1413		1666957.3170250766	39.03026953	-15.4919929	286662.772306154	4008893.38200926	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
269	417	308109	-194061.1413		1666957.3170250766	39.0302828205044	-15.4896456	286863.785532355	4008889.26498586	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
270	417	308110	-193401.1413		1666957.3170250766	39.0302962402876	-15.4872983	287064.7987	4008885.156024194	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
271	417	308111	-192741.1413		1666957.3170250766	39.0303094712059	-15.4849511	287265.8112714604	4008881.024830935	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
272	417	308112	-192081.1413		1666957.3170250766	39.0303226978986	-15.4826308	287466.823674053	4008876.59695072	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
273	417	308113	-191421.1413		1666957.3170250766	39.0303369250781	-15.480312	287667.836194581	4008872.19144684	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387
274	417	308114	-190761.1413		1666957.3170250766	39.030350438140214	-15.4779902	287868.8478343883	4008867.74064945	345.934378841922	321.8158745	3145.125619589393	3151.432738773456	74.5551830410363	67.140062257387

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIEVELogKg.f	BRIEVELogKg.f	SatHtElev.f	SatHtElev.f
347	317	308197	-135981.1413		1666957.3170250766	39.804280771833135	-101.2630817	404562.136779606	408508.223833733	3242.298168740226	306.167944470285	3004.2623514158345	55.9055930540549	53.7575725824868
358	417	308198	-135221.1413		1666957.3170250766	39.80429003625357	-101.2807344	304.753.13200206455	408524.131841873	323.9657647842428	3057.509850529881	3004.6185175181995	50.50827216074413	50.50827216074413
347	317	308199	-134661.1413		1666957.3170250766	39.80430793507684	-101.276387	304.854.1272354765	408524.13204294708	328.2436593360546	3004.647133015324	3007.3092947675384	47.5150607688518106	47.5150607688518106
360	417	308200	-134001.1413		1666957.3170250766	39.80430680007002	-101.2760397	305.155.12187840022	408525.151989226	325.139593210422	3052.116442077332	3005.7628471910466	46.903502031252443	46.903502031252443
361	417	308201	-133341.1413		1666957.3170250766	39.804317785446045	-101.2736923	305.356.11653105513	408525.1518734428	322.03294681302	3049.393737895603	3005.1040001912006	40.828248737044895	41.168858540443065
362	417	308202	-132681.1413		1666957.3170250766	39.80432654257056	-101.271345	305.557.110993543	408507.767	321.926300415983	3046.66012615327	3004.25113332181	42.4897378146085	38.9013201404434
363	417	308203	-132021.1413		1666957.3170250766	39.80433602014353	-101.2689976	305.758.105266348	408516.675152833	321.263547711138	3043.917049912401	3003.312965131798	40.6041095893221	36.717802109305
364	417	308204	-131361.1413		1666957.3170250766	39.804345069465965	-101.2666053	305.959.09934904074	408499.58572918	321.0161669966967	3041.1668489787076	3004.293090781193	30.01182913411726	32.04855837637497
365	417	308205	-130701.1413		1666957.3170250766	39.80435407734363	-101.2644029	306.178.0934730682	408499.58572918	321.0161669966967	3004.1139589396024	3003.6376869254335	34.773266404488924	29.88536868378584
366	417	308206	-130041.1413		1666957.3170250766	39.80436330253113	-101.261956	306.381.0884732672	408491.05651521	302.5522689737256	3007.8226104771345	3007.35811533714806	32.6289841552445	27.68411352147357
367	417	308207	-129381.1413		1666957.3170250766	39.80437395311981	-101.2596082	306.652.08646258584	408491.05651521	302.5522689737256	3007.8226104771345	3007.35811533714806	32.6289841552445	27.68411352147357
368	417	308208	-128721.1413		1666957.3170250766	39.80438031323491	-101.2572609	306.763.0737891736	408483.22648012	321.25246025832	3001.112049168883	3004.5423870089726	30.66717564102054	25.9696291
369	417	308209	-128061.1413		1666957.3170250766	39.80438393579836	-101.2549135	306.964.0669270349	408483.22648012	321.25246025832	3001.112049168883	3004.5423870089726	30.66717564102054	25.9696291
370	417	308210	-127401.1413		1666957.3170250766	39.80438413010176	-101.2525662	307.165.0596764555	408470.4583723416	321.906182432316	3004.5423870089726	3004.5423870089726	30.66717564102054	25.9696291
371	417	308211	-126741.1413		1666957.3170250766	39.804401744870304	-101.2502188	307.366.0582677046	408470.4583723416	321.906182432316	3004.5423870089726	3004.5423870089726	30.66717564102054	25.9696291
372	417	308212	-126081.1413		1666957.3170250766	39.804411581317676	-101.248774	307.567.0452109281	408468.6115145077	320.308.33714056243	3001.31013506243	3005.125341424264	18.6389663392734	13.831245546997707
373	417	308213	-125421.1413		1666957.3170250766	39.80442424753551	-101.2455241	307.768.0375963478	408462.783	320.432586806454	3016.154572172341	3000.588980727735	18.6389663392734	13.831245546997707
374	417	308214	-124761.1413		1666957.3170250766	39.80443306834481	-101.2431767	307.969.0269408985	408458.6943024	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
375	417	308215	-124011.1413		1666957.3170250766	39.80444161879811	-101.2408294	308.170.0219	408456.60720967	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
376	417	308216	-123441.1413		1666957.3170250766	39.80445012339692	-101.238482	308.371.0137278986	408450.52	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
377	417	308217	-122781.1413		1666957.3170250766	39.80445886	-101.2361347	308.572.0506774557	408446.434277055	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
378	417	308218	-122121.1413		1666957.3170250766	39.8044669804739	-101.2337673	308.727.9968135936	408446.434277055	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
379	417	308219	-121461.1413		1666957.3170250766	39.8044750783581	-101.2314684	308.978.9317485982	408446.434277055	318.476.52723871024	3013.348891103029	3004.3126111485026	15.5556339606102	11.43615101115832
380	417	308220	-120801.1413		1666957.3170250766	39.80448369087893	-101.2290625	309.174.9791531151	408434.172122375	316.74690340373	2996.509878531756	2996.0470391662465	29.99433962437056	29.99433962437056
381	417	308221	-120141.1413		1666957.3170250766	39.80449196913051	-101.2267452	309.375.070403604	408330.085946292	316.520.9301353548	2998.71428263572	2996.687583375095	29.99433962437056	29.99433962437056
382	417	308222	-119481.1413		1666957.3170250766	39.8045002212119	-101.2243979	309.576.96074811486	408325.999042847	316.839.913822236	2990.926838894127	2996.258510307574	29.99433962437056	29.99433962437056
383	417	308223	-118821.1413		1666957.3170250766	39.80450838976003	-101.2220565	309.777.9512668904	408241.911471904	315.508.50875794825	2988.147466103764	2994.028769756097	29.944257347982177	29.944257347982177
384	417	308224	-118161.1413		1666957.3170250766	39.80451653204699	-101.2197301	309.978.9416	408177.828615449	314.299624044092	2985.376696240606	2993.183277846026	29.93739470449085	0
385	417	308225	-117501.1413		1666957.3170250766	39.804524628982804	-101.2173558	310.179.8317485982	408177.828615449	314.299624044092	2985.376696240606	2993.183277846026	29.93739470449085	0
386	417	308226	-116841.1413		1666957.3170250766	39.80453269595157	-101.215084	310.385.0271708673	408109.658263977	314.299624044092	2985.376696240606	2993.183277846026	29.93739470449085	0
387	417	308227	-116181.1413		1666957.3170250766	39.80454069	-101.212661	310.581.9114887465	408045.573	313.730.7013830596	2977.13532973803	2992.079059960547	29.92285843794416	0
388	417	308228	-115521.1413		1666957.3170250766	39.80454864765714	-101.2103137	310.782.901819195815	408041.48893032	314.265326352564	2974.416724712199	2991.689110735736	29.92285843794416	0
389	417	308229	-114861.1413		1666957.3170250766	39.80455656	-101.207963	310.983.904905646	408039.440620234	313.856.8258745297	2971.71435001794	2990.521879140775	29.91.300543243088	0
390	417	308230	-114201.1413		1666957.3170250766	39.80456443337835	-101.2056189	311.184.879150623	408033.320554545	312.4838.10964957	2969.02915993712	2990.433066071764	29.91.300543243088	0
391	417	308231	-113541.1413		1666957.3170250766	39.80457225820172	-101.2032716	311.385.865735834	408039.440620234	313.856.8258745297	2971.71435001794	2990.521879140775	29.91.300543243088	0
392	417	308232	-112881.1413		1666957.3170250766	39.80458003767037	-101.2009242	311.586.8517182895	408035.1515454	312.791.94329519	2970.08272045179	2979.61648552983	29.91.300543243088	0
393	417	308233	-112221.1413		1666957.3170250766	39.80458777792384	-101.1985768	311.787.8486246038	408031.69824035	3064.550076	2961.083765345493	2967.5985738245167	29.97.706926895013	0
394	417	308234	-111561.1413		1666957.3170250766	39.8045954055972	-101.1962295	311.988.8348	408036.796760275	3046.622301042624	2958.479353002654	2959.231474268834	29.96.933788605160	0
395	417	308235	-110901.1413		1666957.3170250766	39.80460301387494	-101.1938821	312.189.8027996484	408032.939828412	3011.5562601142614	2950.203304577326	2947.482073260131	5.694072989	5.694072989
396	417	308236	-110241.1413		1666957.3170250766	39.80461070203841	-101.1915347	312.390.8112029645	408038.621293192	3013.404456483676	2952.304435662725	2942.19955198141	11.14048358131279	15.1175759916862
397	417	308237	-109581.1413		1666957.3170250766	39.804618254749055	-101.1891874	312.591.7991431189	408034.738983855	3007.05180224273	2950.8062405803592	2943.69176793273	29.9305717431932594	20.23405009029482
398	417	308238	-108921.1413		1666957.3170250766	39.80462576108296	-101.18684	312.792.7890003335	408030.65627838	2994.799601176578	2948.2945476163244	2947.991971831415	20.53534497318252	23.6760709817814
399	417	308239	-108261.1413		1666957.3170250766	39.80463378015574	-101.184583	312.994.784767617	408026.5283240476	2993.5283240476	2947.991971831415	2947.991971831415	20.53534497318252	23.6760709817814
400	417	308240	-107601.1413		1666957.3170250766	39.80464040716927	-101.1821453	313.194.7618655729	408032.939828412	2992.4232604276	2947.991971831415	2947.991971831415	20.53534497318252	23.6760709817814
401	417	308241	-106941.1413		1666957.3170250766	39.80464801207261	-101.1797979	313.395.7497041034	408034.411962585	2978.25922014031	2940.878905221197	2905.0495742126186	29.905.3811088657	35.48984232542826
402	417	308242	-106281.1413		1666957.3170250766	39.80465534	-101.1774505	313.596.7361084336	408034.330296045	2978.25922014031	2940.878905221197	2905.0495742126186	29.905.3811088657	35.48984232542826
403	417	308243	-105621.1413		1666957.3170250766	39.8046621862144	-101.1751031	313.797.722555077	408030.4904087	2974.558862571499	2936.016228847235	2886.853004485034	28.855.7917606801	49.163283999351
404	417	308244												

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRIElevKgs.fg	BRIElevBothKgs.fg	SatThnBoth.fg				
483	417	308323	-52821.14133		1669597.3170250766	38.0051808912437408	-00.9673121	329876.1008234666	4408014.569736519	2973.3945307420163	2843.552582	2842.8701692925756	2848.88403	0.682412929	0		
484	417	308324	-52811.14133		1669597.3170250766	38.00510173410772	-00.9848947	330077.073841997	4408010.508610909	2960.143806376078	2843.5849245493782	2844.1833058479106	2850.2327029103	0	0		
485	417	308325	-5189.14133		1669597.3170250766	38.00510239369766	-00.9626173	330278.6587229837	4408006.01071405	2843.590363598762	2843.592737591199	2853.3902636743907	0	0	0		
486	417	308326	-50641.14133		1669597.3170250766	38.0051080890415835	-00.9802699	330079.019787978034	4408002.367905997	2933.62457642025	2844.53793688184	2849.4457527490237	2855.19318139411	0	0		
487	417	308327	-50181.14133		1669597.3170250766	38.00511228	-00.9797225	330679.9911272113	4407998.327	2928.687892056218	2843.54007781411	2851.463403	2856.574103913024	0	0		
488	417	308328	-49521.14133		1669597.3170250766	38.00511570601175	-00.9755751	330880.862392480	4407994.265544784	2932.029706694397	2843.484220339364	2854.0749695377067	2858.03947141658	0	0		
489	417	308329	-48861.14133		1669597.3170250766	38.0051190628013	-00.9732277	331081.93529398345	4407990.26637294	2935.371514813726	2843.407189132825	2857.0567286365455	2861.61106918602	0	0		
490	417	308330	-48021.14133		1669597.3170250766	38.0051224119543	-00.9708803	331282.90713116554	4407996.146973402	2938.713321719485	2843.310149424788	2860.4125288063723	2864.5004290104684	0	0		
491	417	308331	-47541.14133		1669597.3170250766	38.00512571075785	-00.9688529	331483.878695977	4407992.35753101	2947.7806126204033	2843.192275213732	2864.10084136014	2867.8804811366402	0	0		
492	417	308332	-46891.14133		1669597.3170250766	38.00512895495678	-00.966185	331684.8501710538	4407978.028	2952.57338736337	2843.0525370601627	2867.9626350509173	2871.3495147273355	0	0		
493	417	308333	-46221.14133		1669597.3170250766	38.0051321582224	-00.9636381	331885.8216651039	4407976.9233625	2977.361624366714	2842.890851330234	2871.589536379955	2878.5842132123	0	0		
494	417	308334	-45561.14133		1669597.3170250766	38.00513530732579	-00.9614907	332086.792850239	4407969.910735633	2992.158937248605	2842.706187	2873.387913837788	2875.8556614634335	0	0		
495	417	308335	-44901.14133		1669597.3170250766	38.0051384175675	-00.9591433	332287.7368729352	4407956.85230761	3002.137280235883	2842.49701851984	2875.590192666716	0	0	0		
496	417	308336	-44241.14133		1669597.3170250766	38.00514447272425	-00.9567959	332488.7341731298	4407961.7941051535	3007.3011931730193	2842.2640996835685	2870.900795187939	2872.8461812254044	0	0		
497	417	308337	-43581.14133		1669597.3170250766	38.005147882716064	-00.9544485	332689.7054311172	4407957.78148215	3012.4851055224504	2842.01800323477	2865.4928863261064	2867.46452377795	0	0		
498	417	308338	-42921.14133		1669597.3170250766	38.00514747	-00.9521011	332890.678	4407953.678430909	3017.620917871882	2841.70496519527	2860.269148738216	2862.165556720519	0	0		
499	417	308339	-42261.14133		1669597.3170250766	38.005150304543086	-00.9497537	333091.8463413022	4407948.6209689215	3018.110645890788	2841.385289595585	2855.001483213965	2856.85105045599	0	0		
500	417	308340	-41601.14133		1669597.3170250766	38.0051337528287	-00.9474063	333292.616533911	4407945.765370251	3013.909687010225	2841.02930635151	2850.0918273799557	2851.93818104321	0	0		
501	417	308341	-40941.14133		1669597.3170250766	38.00515611	-00.9450589	333493.5866051367	4407941.50574682	3009.7008713997514	2840.6382964160252	2845.8593351535947	2847.610712784971	0	0		
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503	417	308343	-39621.14133		1669597.3170250766	38.005161479639	-00.9403641	333895.526341801	4407929.334	2999.858076491589	2839.737211	2838.84072154357	2841.048020362396	0.890139148082653	0	0	
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505	417	308345	-38431.14133		1669597.3170250766	38.0051673845402	-00.935163	334297.46582207615	4407915.62889589	2990.1554727389503	2838.110982524637	2835.4518828969592	2836.7469736973	0.858198392897582	0.618915819144471	0	0
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522	417	308362	-27081.14133		1669597.3170250766	38.00520519203095	-00.8957634	337713.92086739204	4407856.36259796	2989.3189189816185	2819.8427506886414	2789.211379749238	2788.96198836012	0.3631730939404396	0.380762326262599	0	0
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524	417	308364	-25761.14133		1669597.3170250766	38.00520823194948	-00.8913807	338115.8536168848	4407848.263279123	2975.42926760337	2816.403428483846	2787.549128794319	2785.4659339816466	0.3631730939404396	0.380762326262599	0	0
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526	417	308366	-24441.14133		1669597.3170250766	38.0052127295508	-00.8869337	338517.781660465	4407840.261325824	2961.356573840398	2816.403428483846	2787.549128794319	2785.4659339816466	0.3631730939404396	0.380762326262599	0	0
527	417	308367	-23781.14133		1669597.3170250766	38.005213980299	-00.8846263	338718.7521	4407836.115097553	2952.516627	2816.403428483846	2787.549128794319					

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	SurfElev.ft	W.Lt	BRLEvLogsKgf.ft	BRLEvBothKgf.ft	SatThkLogs.ft	SatThkBoth.ft
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617	417	308457	35618.85867307335	1666957.3170250766	39.80517728496224	-100.672599	356856.0728	4070472.5747	2759.26692144884	2612.265134200671	2648.87412318765	2652.564728915021	0
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620	417	308460	37598.85867307335	1666957.3170250766	39.80516977743476	-100.6657173	357407.9302	4070456.461663143	2751.7634787233346	2606.920302927766	2643.4646981271403	2646.1474142818192	0
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634	417	308474	46838.85867307335	1666957.3170250766	39.80512916159086	-100.6328537	360221.248490751	4070404.09413412	2708.0612877462972	2581.5918146106887	2611.306490502592	2610.398973770414	0
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636	417	308476	48158.85867307335	1666957.3170250766	39.80512263299504	-100.6281589	360623.1489419235	4070396.45508079	2703.4425634906456	2578.26440039386	2607.7541462292834	2606.662199653816	0
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643	417	308483	52778.85867307335	1666957.3170250766	39.80508856916814	-100.6117212	362028.7935204977	4070367.385	2682.6651371477278	2567.9898488989797	2601.62563388954	2601.9701548824414	0
644	417	308484	53438.85867307335	1666957.3170250766	39.80508710733572	-100.6093797	362220.7454030045	4070363.80954119	2680.7698413519	2567.10765103265474	2601.57051913435403	2601.57051913435403	0
645	417	308485	54098.85867307335	1666957.3170250766	39.80509101250159	-100.6070223	362431.6943963437	4070359.838839945	2684.130814002474	2565.832687857401	2600.4328432025343	2600.4328432025343	0
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647	417	308487	55418.85867307335	1666957.3170250766	39.80508348677428	-100.6023375	362833.5919	4070351.95387815	2683.0762576740043	2563.637559331818	2594.386956514869	2592.396601	0
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650	417	308490	57398.85867307335	1666957.3170250766	39.80507165803582	-100.5952905	363436.4373	4070339.722600708	2670.153411677601	2561.4323653513375	2584.8259126922377	2580.9229964317774	0
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BRElevLogKrg.ft	BRElevBothKrg.ft	SatThkLog.s	SatThkBoth.ft
736	417	308575	114398.65867307335	16696957.310250766	39.8045727594981	-100.39567676	808056.5882528818	406998.848465605	2712.4230623680298	2534.699857894836	2546.2025054396153	2545.911296828322	0
737	417	308576	114158.85867307335	16696957.310250766	39.804554366031916	-100.39340202	808171.5026999008	406998.84849447	2715.2837222220067	2533.2910805757027	2549.00886818719	2548.670624001915	0
738	417	308577	114018.85867307335	16696957.310250766	39.804554366031916	-100.39340202	808171.5026999008	406998.84849447	2715.2837222220067	2533.2910805757027	2549.00886818719	2548.670624001915	0
739	417	308578	113878.85867307335	16696957.310250766	39.80454915611407	-100.3887251	811119.4014562976	406998.84849447	2720.8578193220067	2530.425860339625	2553.0586876536	2553.0586876536	0
740	417	308579	116138.85867307335	16696957.310250766	39.80454119816365	-100.3863781	813120.3386951039	406998.84849447	2720.8578193220067	2528.96952054734	2554.812916507774	2554.1505248279954	0
741	418	308580	116708.85867307335	16696957.310250766	39.8045313484059	-100.3840308	815121.276634308	406998.84849447	2716.87129434784	2527.488228193464	2558.18896723591	2556.1068339124888	0
1	418	308581	-370941.1431	167617.310250766	39.798983875771	-102.11871	322988.3461	4011021.92469387	3808.133085123483	3563.796935286127	3483.67933365347	3483.67933365347	0
2	418	308582	-370281.1431	167617.310250766	39.799919053349484	-102.116363	323189.4220952612	4011021.92469387	3806.311671739486	3562.06526126117	3484.866701	3480.76232356369	77.19866104265429
3	418	308583	-369621.1431	167617.310250766	39.79999447340065	-102.114016	323390.4979429917	4011013.553033087	3809.1370462078957	3560.33491947748	3487.336818822416	3483.55112842120437	0
4	418	308584	-369691.1431	167617.310250766	39.79996965	-102.111689	323591.5732519304	4011018.379420424	3804.610126991645	3558.802114291213	3485.822720561025	3483.21643	75.38558472091129
5	418	308585	-368301.1431	167617.310250766	39.79999517748105	-102.1093219	323792.648437234	4011019.9429808	3804.083210909632	3556.8712240318973	3487.3414974458783	3485.20856980163	69.529756801927
6	418	308586	-367641.1431	167617.310250766	39.80002045151017	-102.1069749	323993.7235588414	4011018.0161759	3803.56526382102	3555.14026439689	3482.8696043272225	3482.8696043272225	0
7	418	308587	-366981.1431	167617.310250766	39.800045700198474	-102.1046279	324194.7880126206	4011016.6742975	3804.617625899013	3553.411027339176	3484.4371857052397	3482.048524343126	69.9738416822911
8	418	308588	-366321.1431	167617.310250766	39.8000789354598	-102.1022089	324395.87240613723	4011015.8243173	3798.372088047003	3551.68199089585	3485.132657893656	3485.132657893656	0
9	418	308589	-365661.1431	167617.310250766	39.800096045152564	-102.0999339	324596.9465366435	4011016.8134818	3795.096372	3549.96382245451	3484.701986766031	3483.8012652098446	65.25199548851995
10	418	308590	-365001.1431	167617.310250766	39.80011214421623	-102.0978689	324798.0204043506	4011014.30357119	3791.77337440451	3548.22742399307	3483.6824230743	3482.960101685217	65.26741321109315
11	418	308591	-364341.1431	167617.310250766	39.800146201542894	-102.0952398	324999.94004904802	4011016.126043601	3789.32371783473	3546.502862178574	3482.66870376545	3482.125016144237	63.839321802915678
12	418	308592	-363681.1431	167617.310250766	39.800171123.2656	-102.0928928	325200.235216032	4011015.949	3787.708218051327	3544.7796205132818	3481.9807017370545	3481.9807017370545	63.74062252366996
13	418	308593	-363021.1431	167617.310250766	39.800196180169124	-102.0905458	325401.2404326882	4011015.771294134	3786.09325757872	3543.058197645485	3484.36622224547	3482.83090027185	58.69357420933485
14	418	308594	-362361.1431	167617.310250766	39.80022110110704	-102.0881988	325602.31325123995	4011014.9423484	3784.7490294657153	3541.338367560805	3486.760356623096	3482.88173715647	48.45649379126144
15	418	308595	-361701.1431	167617.310250766	39.80024958	-102.0858157	325803.3858080242	4011014.81404899	3782.402087800499	3539.6200789082515	3495.484954966128	3491.808626332913	41.51319959420475
16	418	308596	-361041.1431	167617.310250766	39.8002708004982	-102.0835047	326034.0580023368	40110139.242114025	3779.85399936094	3537.303383982857	3492.508905728954	3488.47147255847	45.3944073
17	418	308597	-360381.1431	167617.310250766	39.800294633275	-102.0813576	326234.0580023368	40110139.242114025	3779.85399936094	3537.303383982857	3492.508905728954	3488.47147255847	45.3944073
18	418	308598	-359721.1431	167617.310250766	39.80032033324004	-102.0788107	326406.8019	40110139.242114025	3779.85399936094	3537.303383982857	3492.508905728954	3488.47147255847	45.3944073
19	418	308599	-359061.1431	167617.310250766	39.8003450278505	-102.0764636	326607.6724517336	40110126.174752427	3771.805380478683	3532.764591940282	3488.526260949783	3481.4379147576507	40.22830995
20	418	308600	-358401.1431	167617.310250766	39.8003697711268	-102.0741166	326808.74467260478	40110118.3594251	3768.348808773461	3531.0587400360937	3490.008295968894	3487.4596337697827	41.0504406640425
21	418	308601	-357741.1431	167617.310250766	39.800382430102486	-102.0717695	327009.8156631058	40110118.3243734	3764.9643812684414	3529.38216447924	3488.73988777934	3486.401106184518	40.92171026340369
22	418	308602	-357081.1431	167617.310250766	39.8004188395592	-102.0694225	327210.8863924646	40110114.18956205	3761.5438816607784	3527.6627990382804	3485.285403099595	3485.285403099595	41.7764209185957
23	418	308603	-356421.1431	167617.310250766	39.8004433756945	-102.0670795	327419.8863924646	40110114.18956205	3761.5438816607784	3527.6627990382804	3485.285403099595	3485.285403099595	41.7764209185957
24	418	308604	-355761.1431	167617.310250766	39.80046782071207	-102.0647284	327613.073494968	40110105.84069723	3758.47580697313	3524.283750571018	3485.8725071201485	3485.8725071201485	38.1259912485
25	418	308605	-355101.1431	167617.310250766	39.8004922435791	-102.0623814	327815.0702935614	40110101.66663163	3756.483900240947	3522.5993234685234	3485.060274900036	3484.53012438155	37.33598478519816
26	418	308606	-354441.1431	167617.310250766	39.8005162040262	-102.0600343	328018.1667149066	401097.428917044	3752.62017980717357	3520.917980717357	3485.931685522232	3485.931685522232	35.86295188564175
27	418	308607	-353781.1431	167617.310250766	39.800540952324376	-102.0576873	328216.2614654726	401098.912483615	3750.634810308874	3519.239082881676	3484.6115390951127	3484.599417813014	34.627543886532
28	418	308608	-353121.1431	167617.310250766	39.8005652388493	-102.0553403	328417.30531915958	401098.194529637	3748.71646059027	3517.562344695643	3484.062244645043	3484.062244645043	33.366373970334926
29	418	308609	-352461.1431	167617.310250766	39.80058948002363	-102.0529392	328618.3142326922	401097.625375	3746.790800709666	3515.887352585848	3482.761367573343	3481.7914862111685	32.835997448441814
30	418	308610	-351801.1431	167617.310250766	39.8006133756945	-102.0506462	328819.4428971163	401097.0002857	3744.8836591005	3514.21307560718	3482.541192650718	3481.471904725897	30.1718504980236
31	418	308611	-351141.1431	167617.310250766	39.8006382636732	-102.0482991	329025.51384452	401097.625375	3742.79719337331	3512.542085	3479.980234043684	3481.064624084754	32.5618545980236
32	418	308612	-350481.1431	167617.310250766	39.80066193152018	-102.045952	329221.579227700	401097.625375	3740.708232993214	3510.871547046534	3477.3293757311985	3478.1973010391963	34.62316897345464
33	418	308613	-349821.1431	167617.310250766	39.80068591330994	-102.043605	329422.640304858	401096.28302995	3738.066769264851	3509.2224820757	3476.118429013697	3477.129108	33.0837995036973
34	418	308614	-349161.1431	167617.310250766	39.8007100579974	-102.0412579	329623.7150254866	401064.11193115	3735.727323733091	3507.3350437191056	3474.92343774451	3476.0732771455	32.610711745544904
35	418	308615	-348501.1431	167617.310250766	39.80073397492635	-102.0389109	329824.7829028974	401096.3663062	3733.017937037905	3505.733232196397	3473.746239395551	3475.0728991978953	32.13299201380666
36	418	308616	-347841.1431	167617.310250766	39.8007578971708	-102.0363638	329920.554849766	401095.78	3729.94326874224	3504.204610873364	3472.155096730434	3463.047130206296	42.15130428184964
37	418	308617	-347181.1431	167617.310250766	39.80078263732	-102.034074	330124.7829028974	401095.78	3727.94326874224	3504.204610873364	3472.155096730434	3463.047130206296	42.15130428184964
38	418	308618	-346521.1431	167617.310250766	39.80080551025291	-102.0318697	330247.9249049367	401094.426319499	3725.947133965578	3503.803228461884	3471.113602206835	3461.113602206835	41.47742544040714
39	418	308619	-345861.1431	167617.310250766	39.8008293801054	-102.0295226	330429.4087272992	401094.257919488	3721.909081681765	3499.2162347305884	3471.113602206835	3461.113602206835	41.47742544040714
40	418	308620	-345201.1431	167617.310250766	39.80085314042579	-102.0271756	330628.1153570348	401093.085366817	3719.2134506286312	3497.50516637946	3470.09655152917	3452.071171900677	45.4382046707805
41	418	308621	-344541.1431	167617.310250766	39.8008783749856	-102.0248285	331031.181803765	401093.94526148	3715.217804	3495.88146208619	3469.05300680077	3469.05300680077	44.84371050248823
42	418	308622	-343881.1431	167617.310250766	39.80090489229036	-102.0224814	331222.2457451318	401093.94526148	3712.815265650574	3494.210634924964	3468.019542507668	3468.019542507668	42.1638351414453
43	418	308623	-343221.1431	167617.310250766	39.80092949561892	-102.0202344	331413.3217297866	401093.9452					

ix	iy	x	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.f	W.Lt.	BRLEvLogKgr.f	BRLEvBothKgr.f	SatHtKlog.f	SatHtBoth.f
121	418	308701	-291741.1413	1067617.310250766	38.0265269801041	-101.83705684	257115.63485457781	409702.107551881	3328.3280559957864	3322.599862983911	3315.0686348411864	3316.9193761916996	7.531228142274558	5.680491362414959
122	418	308702	-291081.1413	1067617.310250766	38.026545714202711	-101.8374112	257316.6805879564	409697.567455474	3320.863074761848	3312.703253266683	3314.239933231175	3318.0409146717974	6.643114530672892	6.643114530672892
123	418	308703	-290421.1413	1067617.310250766	38.0265689334902	-101.8378283	257517.728096901	409693.807427754	3319.8911045891967	3312.2668472735058	3312.66457656873	3316.86756925137	6.554237135	6.554237135
124	418	308704	-289761.1413	1067617.310250766	38.02685626549554	-101.8300168	257718.7173519444	409685.905505787	3322.863941405017	3317.7448110472246	3311.872605515644	3310.843796964474	5.810205195660222	6.901014082
125	418	308705	-289101.1413	1067617.310250766	38.02700551704704	-101.8276696	257919.816736729	409685.508655305	3338.9188727614573	3316.30736838475	3309.428270567036	3307.9167011013194	6.92046627143868	8.414636706540332
126	418	308706	-288441.1413	1067617.310250766	38.02725236	-101.8253225	258120.86116433193	409681.35954119945	3336.9713761502776	3315.021793609568	3307.65498248651212	3305.912196421801	6.91095672863373	8.10959672863373
127	418	308707	-287781.1413	1067617.310250766	38.0274515497481	-101.8229753	258321.9057113791	409677.210680155	3336.8234610683377	3313.8186004988547	3306.019519080912	3307.030389920479	7.799081818942933	9.948210597375263
128	418	308708	-287121.1413	1067617.310250766	38.02764907912145	-101.8206281	258522.95020201978	409673.260260165	3336.48797619153	3312.720579736493	3328.2133050749203	3326.945170143484	6.975274661572865	6.975274661572865
129	418	308709	-286461.1413	1067617.310250766	38.0278461386142	-101.8182809	258723.9949146237	409669.813966511	3337.11461986265	3311.726235674749	3302.2164527345296	3309.871161892484	6.939787146189248	6.939787146189248
130	418	308710	-285801.1413	1067617.310250766	38.0280427528544	-101.8155337	258925.937292214	409654.76	3337.75700720124	3310.633787	3295.12590333275	3294.3751891348387	6.914788701942709	6.914788701942709
131	418	308711	-285141.1413	1067617.310250766	38.028239136325	-101.8135865	259126.0815757618	409650.617699589	3361.931658327689	3310.0401428389237	3293.931963813319	3292.124203180242	6.9108179056404	6.9108179056404
132	418	308712	-284481.1413	1067617.310250766	38.0284342609483	-101.8112393	259327.1248746617	409650.470071257	3359.6346412226235	3309.341238520434	3298.9757804978173	3298.726843830054	6.923654575643299	6.923654575643299
133	418	308713	-283821.1413	1067617.310250766	38.0286298748009	-101.8088921	259528.16799437554	409652.323	3357.341423105958	3322.7282982975284	3286.338984740292	3284.12308965441	6.923654575643299	6.923654575643299
134	418	308714	-283161.1413	1067617.310250766	38.02882846751905	-101.8065499	259729.210678249	409648.175543555	3355.040472415923	3308.207629742635	3283.920984689252	3281.75289565461	6.923654575643299	6.923654575643299
135	418	308715	-282501.1413	1067617.310250766	38.0290192211966	-101.8041977	259930.235225128	409644.028685877	3348.49728052929	3307.76124524383	3277.9557447965246	3275.49898233774	6.923654575643299	6.923654575643299
136	418	308716	-281841.1413	1067617.310250766	38.02921291557865	-101.8018505	260131.29593134977	409639.380134977	3337.6950215596543	3307.383047007171	3273.10261220646	3270.346580878208	6.923654575643299	6.923654575643299
137	418	308717	-281181.1413	1067617.310250766	38.02940635557626	-101.799033	260332.33810364146	409635.736528814	3326.8927021973203	3307.0656207839884	3270.304583262624	3267.6301801173	6.923654575643299	6.923654575643299
138	418	308718	-280521.1413	1067617.310250766	38.0295992410925	-101.7971561	260533.3803935952	409631.58948021	3306.9109182192347	3307.476666184687	3264.927140303957	3263.92516007602	6.923654575643299	6.923654575643299
139	418	308719	-279861.1413	1067617.310250766	38.02979187571714	-101.7948089	260734.42173841637	409627.443391734	3303.860151358283	3303.860151358283	3266.7425803441265	3264.341703273099	6.923654575643299	6.923654575643299
140	418	308720	-279201.1413	1067617.310250766	38.02998305347795	-101.7924617	260935.4630231527	409623.297228611	3320.201707768116	3309.201707768116	3263.3660742303893	3261.068436422615	6.923654575643299	6.923654575643299
141	418	308721	-278541.1413	1067617.310250766	38.03017558091064	-101.7901145	261136.50443149012	409619.152514084	3276.543264177949	3307.543264177949	3260.755042602945	3258.538991775893	6.923654575643299	6.923654575643299
142	418	308722	-277881.1413	1067617.310250766	38.03036575358634	-101.787673	261342.5544241555	409615.076158196	3262.884058877825	3257.251515163844	3255.47744023291	3253.305419350409	6.923654575643299	6.923654575643299
143	418	308723	-277221.1413	1067617.310250766	38.0305592596939	-101.7854001	261542.094784715	409611.00094909	3265.78581628934	3304.579112462278	3254.33917455454	3251.41917455454	6.923654575643299	6.923654575643299
144	418	308724	-276561.1413	1067617.310250766	38.03074773852698	-101.7830729	261739.623077787	409607.7173626	3258.275380070436	3258.275380070436	3250.8156655530506	3249.337953363303	6.923654575643299	6.923654575643299
145	418	308725	-275901.1413	1067617.310250766	38.030939375507963	-101.7807257	261940.6698914837	409602.57344008	3259.7552531494043	3259.7552531494043	3248.96349684817243	3247.8442701102477	6.923654575643299	6.923654575643299
146	418	308726	-275241.1413	1067617.310250766	38.031126095975	-101.7783784	262141.7070433453	409598.429168903	3261.23508969237	3261.23508969237	3240.4117032999675	3238.5505312716939	6.923654575643299	6.923654575643299
147	418	308727	-274581.1413	1067617.310250766	38.0313154891535	-101.7760312	262342.748620405	409594.285239605	3266.356205396736	3266.356205396736	3240.732285475875	3239.960750266717	6.923654575643299	6.923654575643299
148	418	308728	-273921.1413	1067617.310250766	38.031504266796	-101.773684	262543.784459759	409590.142	3276.010774	3276.010774	3243.305128742564	3242.550654547755	6.923654575643299	6.923654575643299
149	418	308729	-273261.1413	1067617.310250766	38.0316928219266	-101.771368	262744.825795456	409585.99812948	3285.367844812267	3285.367844812267	3240.36711797897	3240.36711797897	6.923654575643299	6.923654575643299
150	418	308730	-272601.1413	1067617.310250766	38.031881	-101.7690518	262945.864911581	409581.854903764	3294.7511592003	3294.7511592003	3245.591293	3245.591293	6.923654575643299	6.923654575643299
151	418	308731	-271941.1413	1067617.310250766	38.0320690157765	-101.7666424	263146.934721826	409577.71187556	3305.745924	3305.745924	3315.2128402668584	3249.554419	6.923654575643299	6.923654575643299
152	418	308732	-271281.1413	1067617.310250766	38.0322535365335	-101.7642951	263347.94244313725	409573.569206938	3318.4303967819276	3318.4303967819276	3250.8312168887513	3250.8312168887513	6.923654575643299	6.923654575643299
153	418	308733	-270621.1413	1067617.310250766	38.0324397420829	-101.7619479	263548.980	409569.428460379	3331.14113582623	3305.214131209684	3253.8318566861226	3251.836991304623	6.923654575643299	6.923654575643299
154	418	308734	-269961.1413	1067617.310250766	38.0326254551294	-101.7596007	263750.0190414554	409561.284360991	3343.79925354642	3305.085005084577	3255.2772951368443	3253.7812053713636	6.923654575643299	6.923654575643299
155	418	308735	-269301.1413	1067617.310250766	38.03281037320504	-101.7572538	263951.0589917247	409561.142679801	3335.09261173921	3304.880588962346	3255.877052559386	3253.926381816782	6.923654575643299	6.923654575643299
156	418	308736	-268641.1413	1067617.310250766	38.0330027954609	-101.7549063	264152.094784715	409557.99812948	3335.09261173921	3304.880588962346	3255.877052559386	3253.926381816782	6.923654575643299	6.923654575643299
157	418	308737	-267981.1413	1067617.310250766	38.033197927453	-101.752559	264353.132192659	409554.773626	3364.89171556822	3304.89171556822	3255.3546286144638	3254.514367731104	6.923654575643299	6.923654575643299
158	418	308738	-267321.1413	1067617.310250766	38.033363446032	-101.7502118	264554.194585287	409548.71827108	3370.799378306222	3304.21504181712	3255.209644212475	3254.887984570565	6.923654575643299	6.923654575643299
159	418	308739	-266661.1413	1067617.310250766	38.0335473082915	-101.7478466	264755.206466442	409544.57351809	3374.373628810322	3303.203782039567	3255.249865507413	3253.668527140395	6.923654575643299	6.923654575643299
160	418	308740	-266001.1413	1067617.310250766	38.0337303185979	-101.7455173	264956.243551694	409540.43689811	3376.759829193455	3303.61628116668	3256.06988519685	3254.83368731718	6.923654575643299	6.923654575643299
161	418	308741	-265341.1413	1067617.310250766	38.0339128753397	-101.7431701	265157.2799127397	409538.170511055	3378.76602919624	3303.2805382001097	3255.35442001385	3254.844723636226	6.923654575643299	6.923654575643299
162	418	308742	-264681.1413	1067617.310250766	38.03419947820834	-101.7408229	265358.1362382118	409532.155876582	3370.7222995909	3302.91576902037	3255.66509902547	3254.795378400934	6.923654575643299	6.923654575643299
163	418	308743	-264021.1413	1067617.310250766	38.03439278649326	-101.7384901	265559.2786249326	409526.145876817	3370.7222995909	3302.91576902037	3255.66509902547	3254.795378400934	6.923654575643299	6.923654575643299
164	418	308744	-263361.1413	1067617.310250766	38.03458477476734	-101.7361284	265760.38196593	409516.761159343	3372.91617104082	3302.100207219055	3254.91074645684	3254.5044965500244	6.923654575643299	6.9236545756432

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevKgr.f	SurfElevKgr.f	SurfElevKgr.f
247	418	308827	-205881.1413	1067617.3170250766	39.04079192573077	-101.5413042	282445.5803503499	4049181.136085562	3473.692992150544	3228.849614286095	3158.320468031338	3163.2556976497867	70.52914659673161	65.59364968782278
248	418	308828	-207921.1413	1067617.3170250766	39.0408555786216	-101.5389569	282646.5955707636	4049181.107078171	3471.80606	3227.742750369382	3155.6719671003171	3161.1880243226244	71.631323621445	66.55470804661718
249	418	308829	-207261.1413	1067617.3170250766	39.04082023937466	-101.5366698	282847.6163397608	4049172.898179738	3468.920867784436	3225.803839226274	3154.6182319236213	3159.18521236213	71.8937432521249	67.617031781024
250	418	308830	-206601.1413	1067617.3170250766	39.040834422474606	-101.5342622	283048.6313114206	4049168.799624258	3468.034500513625	3225.4315032211776	3152.844015165566	3168.384816875404	72.5875105671165	68.042715310621165
251	418	308831	-205941.1413	1067617.3170250766	39.04084856975561	-101.5319149	283249.647872192	4049164.661292989	3468.3190907177114	3224.224245172284	3150.994410612582	3155.500340725018	73.2296345597018	68.7230444726534
252	418	308832	-205281.1413	1067617.3170250766	39.04086275686434	-101.5295676	283450.6642201821	4049164.7733713372	3467.7337313372	3222.979751526214	3149.061206207557	3155.48829730951	73.91810239705064	67.4914623931046
253	418	308833	-204621.1413	1067617.3170250766	39.04087806296701	-101.5272202	283651.6803555963	4049164.62531068	3468.2276554549338	3221.696707068625	3142.112111096523	3155.500340725018	73.91810239705064	67.4914623931046
254	418	308834	-203961.1413	1067617.3170250766	39.04089084749739	-101.5248729	283852.6862786418	4049162.52777576	3467.7337313372	3220.379750194957	3147.0439078049644	3152.3236689384	73.9289925453126	69.1403176611188
255	418	308835	-203301.1413	1067617.3170250766	39.04090494037746	-101.5225256	284057.61198952503	4049148.31	3467.7337313372	3219.06384181144	3144.9276076176543	3149.061206207557	73.9289925453126	69.1403176611188
256	418	308836	-202641.1413	1067617.3170250766	39.04091878790724	-101.5201782	284254.72748845414	4049140.433732181	3458.31430430933	3217.596538932017	3142.767228	3146.784351428872	74.8081306221174	70.80701507342899
257	418	308837	-201981.1413	1067617.3170250766	39.04093280060673	-101.5178309	284455.7428	4049139.956	3457.416186223004	3216.318438207606	3143.54920204801	3147.118722559040	75.82852307195942	69.01972126125566
258	418	308838	-201321.1413	1067617.3170250766	39.0409454691581	-101.5154836	284656.7578512703	4049138.8396662	3456.019029429416	3214.63629340718	3141.34718749736	3144.792397476946	73.28907452108206	69.8438957938719
259	418	308839	-200661.1413	1067617.3170250766	39.0409603839455	-101.5131363	284857.72717507	4049131.732050248	3453.941432426916	3213.00409494358	3139.155143	3142.470487776857	73.91810239705064	70.80701507342899
260	418	308840	-200001.1413	1067617.3170250766	39.04097412452288	-101.5108418	285058.787369472	4049126.707384746	3451.183459122334	3211.502992520212	3136.9762842748714	3151.07172834992	73.91810239705064	70.80701507342899
261	418	308841	-199341.1413	1067617.3170250766	39.0409878453208	-101.508416	285259.86180109923	4049123.492	3448.42548491973	3209.876097056247	3134.8097900722745	3137.845692135525	73.91810239705064	70.80701507342899
262	418	308842	-198681.1413	1067617.3170250766	39.05001200728204	-101.5060493	285460.816024521	4049119.375855558	3445.667470691614	3208.213685207855	3132.6513712880045	3135.5503115062801	75.562121388204	72.65470114487502
263	418	308843	-198021.1413	1067617.3170250766	39.05001515080515	-101.5037489	285661.8300353747	4049115.26004504	3443.223502365096	3206.518834732411	3130.493823552897	3132.6512630441494	76.02501117961397	73.2535716826167
264	418	308844	-197361.1413	1067617.3170250766	39.05002873553159	-101.5013996	285862.8438742683	4049111.145369004	3442.05359953422	3204.795652111965	3128.374908516287	3136.870147968417	76.02501117961397	73.2535716826167
265	418	308845	-196701.1413	1067617.3170250766	39.05004224790749	-101.4990522	286063.8574489234	4049107.0347919	3438.9636175397645	3203.04805737048	3126.1402524085447	3134.188151161306	76.02501117961397	73.2535716826167
266	418	308846	-196041.1413	1067617.3170250766	39.050055768932824	-101.4967409	286264.87568932824	4049109.01853027	3436.8336751720963	3201.279892374527	3127.343674277215	3132.046514052499	76.02501117961397	73.2535716826167
267	418	308847	-195381.1413	1067617.3170250766	39.05006921760755	-101.4943576	286465.8840676823	4049098.04136479	3435.272999759135	3199.44972135023	3124.793051774036	3129.240704236789	76.02501117961397	73.2535716826167
268	418	308848	-194721.1413	1067617.3170250766	39.05008265209169	-101.4920102	286668.89078182521	4049084.88728356	3434.279452086215	3197.897670154961	3122.145957482711	3126.2850590638397	75.5501853325025	71.4981917871432
269	418	308849	-194061.1413	1067617.3170250766	39.0500961375717	-101.4891478	286873.9619712796	4049075.75786243	3433.28057493937	3196.83473356128	3120.83473356128	3124.793051774036	75.5501853325025	71.4981917871432
270	418	308850	-193401.1413	1067617.3170250766	39.05010925152798	-101.4873155	287068.922337375	4049066.459714532	3432.29387030819	3194.06800811471	3116.490707108725	3118.427354081187	75.5501853325025	71.4981917871432
271	418	308851	-192741.1413	1067617.3170250766	39.05012255	-101.4849682	287269.948781815	4049054.63298418	3431.0416707639356	3192.278569	3115.0110328183684	3116.490707108725	75.5501853325025	71.4981917871432
272	418	308852	-192081.1413	1067617.3170250766	39.05013578072149	-101.4826209	287470.9468139148	4049078.233	3429.530067567786	3190.473173462495	3110.746567439014	3116.077643	75.5501853325025	71.4981917871432
273	418	308853	-191421.1413	1067617.3170250766	39.05014858729214	-101.4802735	287671.9847120493	4049074.12022044	3428.018464371798	3188.67317092476	3108.976119	3108.959365302327	75.5501853325025	71.4981917871432
274	418	308854	-190761.1413	1067617.3170250766	39.05016209	-101.4779622	287872.974062599	4049070.07053267	3426.506811775292	3186.800913735693	3108.8151149504015	3117.31394620148	75.5501853325025	71.4981917871432
275	418	308855	-190101.1413	1067617.3170250766	39.05017517	-101.4757678	288073.9619712796	4049061.93785243	3424.927607617654	3184.927607617654	3106.83473356128	3116.077643	75.5501853325025	71.4981917871432
276	418	308856	-189441.1413	1067617.3170250766	39.0501881459933	-101.4732518	288274.983716519	4049057.78200153	3423.28057493937	3183.345732319787	3104.3968934175	3106.83473356128	75.5501853325025	71.4981917871432
277	418	308857	-188781.1413	1067617.3170250766	39.0502010106675	-101.4708841	288476.045700355	4049050.67908798	3421.633952270017	3181.610713182365	3100.751481396733	3105.58598291159	75.5501853325025	71.4981917871432
278	418	308858	-188121.1413	1067617.3170250766	39.0502151988328	-101.4685368	288677.0152522375	4049043.55926132	3419.971092852986	3179.89796753932	3102.590234174911	3105.0524585907674	75.5501853325025	71.4981917871432
279	418	308859	-187461.1413	1067617.3170250766	39.05022706	-101.4661894	288878.0259	4049040.44780998	3418.12653776948	3178.210487289235	3102.145727399215	3104.108502209693	75.5501853325025	71.4981917871432
280	418	308860	-186801.1413	1067617.3170250766	39.05023924633096	-101.4638421	289079.034131548	4049035.36039889	3416.02537768431	3176.548695767055	3101.029971254451	3103.54185237071	75.5501853325025	71.4981917871432
281	418	308861	-186141.1413	1067617.3170250766	39.0502527272735	-101.4614497	289280.0468052929	4049031.25643297	3413.97579340847	3174.9313507348447	3100.950271853673	3102.08599349684	75.5501853325025	71.4981917871432
282	418	308862	-185481.1413	1067617.3170250766	39.050265910919	-101.4591478	289481.0567409159	4049021.14582214	3411.902367493937	3173.30033472961	3100.83473356128	3101.89011962811	75.5501853325025	71.4981917871432
283	418	308863	-184821.1413	1067617.3170250766	39.050278228701196	-101.4568	289682.06659513153	4049014.0048631	3409.8785080729314	3171.723565	3102.08322186107	3100.94692913165	75.5501853325025	71.4981917871432
284	418	308864	-184161.1413	1067617.3170250766	39.0502909041266	-101.4545527	289883.0762431707	4049028.894	3407.950252720017	3170.170347982475	3101.2735791954087	3102.357580439307	75.5501853325025	71.4981917871432
285	418	308865	-183501.1413	1067617.3170250766	39.0503033587727	-101.4521053	290084.0856825406	4049024.784255934	3406.919255500103	3168.644125905058	3100.128321018563	3101.2735791954087	75.5501853325025	71.4981917871432
286	418	308866	-182841.1413	1067617.3170250766	39.05031612578101	-101.449758	290285.09492156236	4049020.67452208	3404.9505811471285	3165.14520840634	3097.1557657330573	3098.7046104155124	75.5501853325025	71.4981917871432
287	418	308867	-182181.1413	1067617.3170250766	39.0503296743855	-101.4474106	290486.095323206	4049016.56503518	3403.605281198186	3163.673242788492	3096.999919211948	3097.3471168357	75.5501853325025	71.4981917871432
288	418	308868	-181521.1413	1067617.3170250766	39.05034116371514	-101.4450362	290687.1128779003	4049012.45790043	3402.54530854384	3164.27330792165	3096.999919211948	3097.3471168357	75.5501853325025	71.4981917871432
289	418	308869	-180861.1413	1067617.3170250766	39.050353910033605	-101.4426944	290888.29659513153	4049004.0048631	3401.491430315417	3162.941466974836	3095.75350440191	3096.999919211948	75.5501853325025	71.4981917871432
290	418	308870	-180201.1413	1067617.3170250766	39.050367282071046	-101.4403385	291089.1299132936	4049004.0048631	3400.461430315417	3161.41466974836	3095.75350440191	3096.999919211948	75.5501853325025	71.498191787143

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIElevKgr.f	BREIElevBothKgr.f	LatBothKgr.f	SurfBoth.f
373	418	308953	-125421.1413	0766173.3170250766	38.0623798906175	-121.24553262	00772.1344908731	4088664.066511291	3205.4823914884655	31.1533869237529	3001.7668303101045	3003.9493296166333	35.7182896342465	11.38932896589825
374	418	308954	-127461.1413	0766173.3170250766	38.0624618509416	-121.24318716	00793.126520371	4086659.587364609	3203.40715283451	30.702549673900278	3001.4884744780416	3003.7674882924674	11.08119942223296	9.273674873810456
375	418	308955	-124101.1413	0766173.3170250766	38.0623457693636	-121.246804	00818.1188	4086555.89	3209.758715489088	3001.153971	3009.758715489088	3002.51124580342	8.604408498489782	7.24334849857578
376	418	308956	-123441.1413	0766173.3170250766	38.062863324	-121.238493	00873.30878467994	4086551.802755631	3205.001821009683	3006.9656975132953	3000.6996191977736	3003.673373276755	6.265878315521604	5.283960140619176
377	418	308957	-122781.1413	0766173.3170250766	38.0620717106094	-121.2361456	00876.10122044827	4086647.4732171595	3196.8825204768534	3017.1346832887	2999.641090047394	3000.74458239264	4.5204778540323	3.398310593622862
378	418	308958	-122121.1413	0766173.3170250766	38.062801157729	-121.2373982	00877.0924104541	408643.621843431	3194.686221994314	3001.382051411255	2998.441485748633	2999.678909761216	2.4308293429358	1.7033957491313052
379	418	308959	-121461.1413	0766173.3170250766	38.0626288484909	-121.2314507	00879.08784130933	408639.351204345	3198.9254761942976	2998.5942797718476	2998.3273501404333	2999.620133708952	0.266929631414139	0
380	418	308960	-120801.1413	0766173.3170250766	38.062680885111	-121.2291033	00879.07423101575	408635.445451034	3182.6012789903234	2995.810391029379	2996.72749532644	2997.9131562	0	0
381	418	308961	-120141.1413	0766173.3170250766	38.062657674086	-121.226755	00880.064619819	408631.36869078	3176.2750438719	2995.30227713458	2994.85566208788	2995.7488976868	0	0
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414	418	308994	-98361.1413	0766173.3170250766	38.0655236653876	-121.1495208	00914.6021652610058	408496.652435163	2920.950320514604	2910.063376484784	2904.763251855875	2904.763251855875	12.72566311969612	15.6000119993002
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417	418	308997	-96381.1413	0766173.3170250766	38.0657192102448	-121.1422485	00917.661651054	408484.418781065	3025.31006343088	2903.512459	2898.13130248474	2895.19221569496	5.38115684083596	8.32024363064182
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419	418	308999	-95061.1413	0766173.3170250766	38.0658658682229									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIElevKrg.ft	BREIElevBothKrg.ft	SatThKLog.s	SatThBoth.ft
49	418	309079	-42261.14133	1067617.3170250766	39.0696352991039	-100.949754	330965.705952494	4408150.882768935	3010.77667814401	2839.740555899088	2849.940563702481	2851.2746643000874	0	0
500	418	309080	-41601.14133	1067617.3170250766	39.069664136946	-100.94741	333266.6805431227	4408146.825379995	3006.070334344976	2839.369031577004	2845.655298360547	2846.894360068522	0	0
501	418	309081	-40941.14133	1067617.3170250766	39.06966316317419	-100.946928	333487.602324949	4408162.768234749	3001.362969549578	2838.936384484485	2841.7124465835378	2842.94148112477	0	0
502	418	309082	-40261.14133	1067617.3170250766	39.06967203282596	-100.942711	333698.6201	4408138.731137775	2996.657645374497	2835.919434355035	2839.673463599654	2839.673463599654	0.2250705556512927	0
503	418	309083	-39621.14133	1067617.3170250766	39.06967478362207	-100.9403676	333899.5894440046	4408126.6546733035	2991.8196577429234	2838.031566	2835.389630009664	2837.109872546197	2.64173590953676	0.9216934353230499
504	418	309084	-38961.14133	1067617.3170250766	39.06967743636382	-100.9380201	334100.55885382014	4408130.59821093	2987.491109049376	2832.926930957656	2835.039546253935	2835.039546253935	4.570179948740125	2.4575768251041721
505	418	309085	-38301.14133	1067617.3170250766	39.06968013835124	-100.9356727	334301.528003899632	4408126.48616885	2986.8936195661	2830.893841062739	2830.893841062739	2831.8231021676597	6.020596036940448	3.343430357
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507	418	309087	-36981.14133	1067617.3170250766	39.0696851166355	-100.9308177	334703.4652080214	4408118.43047848	2975.586525946962	2827.500352596962	2830.477045931323	2830.477045931323	8.95798312539955	5.25820798934845
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514	418	309094	-32361.14133	1067617.3170250766	39.0699198959213	-100.914545	336110.2431559325	4408090.04751163	2992.72827760812	2829.214607812608	2818.828770808927	2820.4117859591053	10.38530744527084	8.082818235304483
515	418	309095	-31701.14133	1067617.3170250766	39.08700419073594	-100.912198	336311.2107110305	4408085.99327897	2993.2099353412973	2828.054955505346	2818.78154352917	2818.181470897488	11.2740199742922	8.9327489879468157
516	418	309096	-31041.14133	1067617.3170250766	39.087036542536	-100.9098506	336512.1701707774	4408081.940291979	2998.160515629787	2826.8314834535213	2814.492496257423	2815.702908942478	11.128574529073376	9.1128574529073376
517	418	309097	-30381.14133	1067617.3170250766	39.0870485696038	-100.9075031	336713.1453	4408077.880740313	3003.110959446305	2825.54107337468	2811.4912564522747	2812.842413619787	14.04097331193465	13.05861737289465
518	418	309098	-29721.14133	1067617.3170250766	39.0870152041026	-100.9051556	336914.1124277188	4408070.834041037	3006.016726462814	2824.184799402417	2808.584031472685	2809.415622699391	15.609776312026005	14.769176703206005
519	418	309099	-29061.14133	1067617.3170250766	39.08701254176728	-100.9028082	337115.0793509944	4408069.7812808485	3007.0888424117503	2822.7633615481222	2804.2809027385664	2804.771794393818	15.554548809555854	17.98618210363645
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523	418	309103	-26421.14133	1067617.3170250766	39.087020167128165	-100.8934183	337918.9454716693	4408050.7283238068	2998.286384989485	2816.453800407134	2777.4392781654947	2776.571811870045	19.4637972781285	39.88179427066825
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526	418	309106	-24441.14133	1067617.3170250766	39.08702540992747	-100.8863759	338521.834168737	4408041.41782835	2967.767903257346	2811.132399	2787.886094589343	2789.138525598324	23.24690331430454	21.99474157085714
527	418	309107	-23781.14133	1067617.3170250766	39.08702706818385	-100.8849284	338722.8098063185	4408037.36796161	2966.2749020287007	2809.2683772145	2788.768649747896	2791.3130932594867	19.49228797818595	17.84774443
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531	418	309111	-21141.14133	1067617.3170250766	39.087033240837725	-100.8746386	339526.6702081534	4408021.167125233	2931.8403573405563	2801.3545475150664	2790.597496731115	2792.296245431443	10.747467841954085	9.04917203652131
532	418	309112	-20481.14133	1067617.3170250766	39.08703476795647	-100.8722911	339727.6310055684	4408017.117557349	2931.1964045	2799.27542633967	2789.128995344746	2789.128995344746	10.800142202266249	8.427541986655342
533	418	309113	-19821.14133	1067617.3170250766	39.08703605570708	-100.8699438	339928.599838914	4408013.06820585	2931.112225875737	2797.170389841483	2786.920111684076	2788.497589159396	10.25687262	8.573249699547212
534	418	309114	-19161.14133	1067617.3170250766	39.08703735813535	-100.8675962	340129.564215621	4408009.01930781	2926.2749020287007	2795.20865923682	2786.920111684076	2788.497589159396	10.25687262	8.573249699547212
535	418	309115	-18501.14133	1067617.3170250766	39.08703886918598	-100.8652847	340332.5985037754	4408004.970320185	2925.20865923682	2792.787358873041	2781.203175	2788.497589159396	10.25687262	8.573249699547212
536	418	309116	-17841.14133	1067617.3170250766	39.08703993788992	-100.8629102	340531.49312504166	4408000.92116314	2924.911009751042	2790.689071304327	2778.938942	2780.470212787843	11.750649404022794	10.25687262
537	418	309117	-17181.14133	1067617.3170250766	39.08704114123342	-100.8605538	340732.45274576176	4407996.832340173	2923.66834845977	2787.7746323002	2776.615898984287	2777.955247871107	11.86177803403404	10.25687262
538	418	309118	-16521.14133	1067617.3170250766	39.0870422922543	-100.8582063	340932.4121274513	4407992.82509681	2924.392570916492	2786.24632489166	2774.2544706334975	2775.44309146041403	11.86177803403404	10.25687262
539	418	309119	-15861.14133	1067617.3170250766	39.08704341186299	-100.8558858	341134.380261959	4407988.727098464	2924.392570916492	2786.24632489166	2774.2544706334975	2775.44309146041403	11.86177803403404	10.25687262
540	418	309120	-15201.14133	1067617.3170250766	39.08704446	-100.8535114	341335.3486632245	4407984.73950238	2924.392570916492	2786.24632489166	2774.2544706334975	2775.44309146041403	11.86177803403404	10.25687262
541	418	309121	-14541.14133	1067617.3170250766	39.0870454674725	-100.8511681	341536.3987474266	4407980.634995278	2924.392570916492	2786.24632489166	2774.2544706334975	2775.44309146041403	11.86177803403404	10.25687262
542	418	309122	-13881.14133	1067617.3170250766	39.08704648	-100.8488164	341738.2387485167	4407978.588077599	2924.392570916492	2786.24632489166	2774.2544706334975	2775.44309146041403	11.86177803403404	10.25687262
543	418	309123	-13221.14133	1067617.3170250766	39									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	SurfElev.	W.Lt.	BR ElevLogKrg.ft	BR ElevBothKrg.ft	SatThkLog.s	SatThkBoth.ft
625	419	309205	40898.85867307335	1067617.3170250766	39.069694762354	-100.6539767	558416.7214610081	4070741.568049532	2730.343698590854	2597.240305515302	2633.1786329390037	2636.5646762516553	0
626	419	309206	41558.85867307335	1067617.3170250766	39.0696965524416	-100.6516232	558617.6277059417	407637.541297856	2732.032393	2596.403203388693	2630.8099731521193	2633.9196775982222	0
627	419	309207	42218.85867307335	1067617.3170250766	39.0696971557009	-100.6498217	558816.513478714	407637.541297856	2732.8905625962189	2593.8117781201405	2628.063045238158	2627.09751900787	0
628	419	309208	42878.85867307335	1067617.3170250766	39.0696979196325	-100.6469343	559019.5747897946	407637.541297856	2733.82078210927	2591.8155273176004	2625.158206432914	2626.760827435	0
629	419	309209	43538.85867307335	1067617.3170250766	39.06969782271022	-100.6445868	559220.52653329693	407637.541297856	2734.76853131426	2590.030126340855	2621.196205299022	2621.769120103645	0
630	419	309210	44198.85867307335	1067617.3170250766	39.0696948080336	-100.6422394	559421.643848469	407621.437	2697.76439480451924	2588.2658790248758	2619.9677272447957	2621.769120103645	0
631	419	309211	44858.85867307335	1067617.3170250766	39.0696978112745	-100.6398919	559622.42700995214	407617.411176176	2696.639690484689	2586.516091877687	2617.937556	2619.9592318174345	0
632	419	309212	45518.85867307335	1067617.3170250766	39.069694864	-100.6375444	559823.374467109	407613.385879915	2701.413239316315	2584.786006924817	2615.949517123445	2616.956361944296	0
633	419	309213	46178.85867307335	1067617.3170250766	39.0696945461081	-100.635197	560024.3277482364	407613.385879915	2707.1905152185747	2583.794837143732	2614.8186411832201	2614.8186411832201	0
634	419	309214	46838.85867307335	1067617.3170250766	39.06969429607512	-100.632495	560225.2717918106	407605.336014992	2712.7867770555173	2581.3962031483	2612.16390581911	2612.16390581911	0
635	419	309215	47498.85867307335	1067617.3170250766	39.069693546739	-100.630502	560426.227952661	407601.311446315	2713.0562133871197	2579.740915338954	2610.298152321733	2610.595176851867	0
636	419	309216	48158.85867307335	1067617.3170250766	39.069693764536	-100.6281546	560627.177854396	407597.287120145	2707.485767123382	2578.1245486921166	2608.68039144513	2608.831731615041	0
637	419	309217	48818.85867307335	1067617.3170250766	39.06969323584911	-100.6258071	560828.1272651555	407593.263	2701.905320859642	2576.5411845196727	2607.7383230234363	2607.7383230234363	0
638	419	309218	49478.85867307335	1067617.3170250766	39.06969290633963	-100.6234597	561029.0772575296	407589.329195309	2696.3248745959063	2574.998310068153	2606.437919148087	2606.34707474822	0
639	419	309219	50138.85867307335	1067617.3170250766	39.069692565353863	-100.6211221	561230.2027596281	407585.215996518	2692.858057910128	2573.5015806986818	2605.344140486792	2605.135826247436	0
640	419	309220	50798.85867307335	1067617.3170250766	39.06969216743493	-100.6187467	561430.3761290349	407581.19220404	2691.504698782293	2572.055588205925	2604.473019275533	2604.176531768024	0
641	419	309221	51458.85867307335	1067617.3170250766	39.069691865392172	-100.6161473	561633.9253695917	407577.169126952	2690.1516819944636	2570.663838095669	2603.831575413788	2603.831575413788	0
642	419	309222	52118.85867307335	1067617.3170250766	39.0691509054265	-100.6140698	561832.8740765456	407573.14625534	2688.7948402066337	2569.33191037058	2603.314615294058	2603.6817407007	0
643	419	309223	52778.85867307335	1067617.3170250766	39.0691149083267	-100.6117224	562033.82344313874	407569.132626509	2688.515197427453	2568.0660479686403	2602.88332937045	2602.514721568007	0
644	419	309224	53438.85867307335	1067617.3170250766	39.0690784125681	-100.6093749	562234.727283202	407565.10124008	2686.6727610891215	2566.765493147883	2602.441742556455	2602.441742556455	0
645	419	309225	54098.85867307335	1067617.3170250766	39.06900414632679	-100.6070274	562436.720992374	407561.07996119	2690.080746225517	2565.758916076814	2601.257867165884	2600.796455715342	0
646	419	309226	54758.85867307335	1067617.3170250766	39.06900406042544	-100.60488	562636.6696	407557.057194557	2690.874576328944	2564.730493242053	2598.237681190382	2597.130157057242	0
647	419	309227	55418.85867307335	1067617.3170250766	39.0689728413628	-100.602435	562837.6188166863	407553.03585493	2693.794837143732	2563.8117781201405	2596.8117781201405	2596.8117781201405	0
648	419	309228	56078.85867307335	1067617.3170250766	39.068892789411556	-100.599951	563038.5653315403	407549.014118661	2694.17898427829	2562.95755201553	2591.296082824395	2591.624730449474	0
649	419	309229	56738.85867307335	1067617.3170250766	39.0688891306482	-100.5976736	563239.2515163697	407544.99224048	2697.4526959818757	2562.220271583972	2588.285974609324	2585.7159383358	0
650	419	309230	57398.85867307335	1067617.3170250766	39.06884891363894	-100.5952902	563440.4625701515	407540.972012336	2674.7269756454534	2561.583640467209	2584.867293120041	2581.933648366474	0
651	419	309231	58058.85867307335	1067617.3170250766	39.0688102403881	-100.5929427	563641.0415095466	407536.951322742	2672.8015041086904	2561.046638702812	2581.7022526208234	2578.766029396084	0
652	419	309232	58718.85867307335	1067617.3170250766	39.0687701	-100.5905952	563842.382896337	407532.930878512	2673.703626236937	2560.60643231656	2578.668306335176	2577.082137017597	0
653	419	309233	59378.85867307335	1067617.3170250766	39.0687298413628	-100.5881974	564043.3054974854	407528.91078637	2674.7269756454534	2560.2985688529477	2576.891688529477	2576.891688529477	0
654	419	309234	60038.85867307335	1067617.3170250766	39.0686971018177	-100.5858033	564244.25483765104	407524.890778114	2675.4847967789613	2559.927137494295	2574.7247110033997	2574.7247110033997	0
655	419	309235	60698.85867307335	1067617.3170250766	39.068684702541475	-100.5835529	564445.200886756	407520.870870726	2674.488747667357	2559.81834748464	2565.325888061862	2560.506627527177	0
656	419	309236	61358.85867307335	1067617.3170250766	39.06860580721435	-100.5812504	564646.18416018	407516.852	2671.593584470546	2559.7155074204175	2567.965326633978	2567.965326633978	0
657	419	309237	62018.85867307335	1067617.3170250766	39.06856627	-100.578858	564847.09536017495	407512.83227453	2668.698312265717	2559.6824500147227	2565.5167808893015	2561.584111528241	0
658	419	309238	62678.85867307335	1067617.3170250766	39.068519850709	-100.5765105	565048.4022232047	407508.813281309	2665.803198006208	2559.712721	2563.05385279432	2559.006612	0.70611852089046
659	419	309239	63338.85867307335	1067617.3170250766	39.0684765511967	-100.5741631	565248.9082096524	407504.79453438	2662.265993374533	2559.800393511404	2559.05929820073	2554.7049191946483	0.7074008508675433
660	419	309240	63998.85867307335	1067617.3170250766	39.0684274877575	-100.5719156	565450.77021756	407500.77021756	2659.209454811273	2558.298454811273	2557.9614871114	2557.9614871114	0.7074008508675433
661	419	309241	64658.85867307335	1067617.3170250766	39.06838859281406	-100.5694681	565650.882589834	407496.75754512	2657.2574656910327	2556.8466604217	2556.8466604217	2556.8466604217	0.7074008508675433
662	419	309242	65318.85867307335	1067617.3170250766	39.068343333117	-100.5671207	565851.82910154	407492.73731342	2648.7255191863253	2560.352915952241	2541.89373173861	2532.886762139223	14.55538331379197
663	419	309243	65978.85867307335	1067617.3170250766	39.068298202689	-100.5647372	566052.7745753934	407488.71949539	2643.2848402066337	2560.616450116677	2541.1435921015884	2547.285011478275	14.55538331379197
664	419	309244	66638.85867307335	1067617.3170250766	39.0682532336855	-100.5624258	566253.2713219456	407484.70440992	2640.5429272006	2561.0184593159	2538.177393692763	2529.748103637305	22.7344518338276
665	419	309245	67298.85867307335	1067617.3170250766	39.0682072335619	-100.5600783	566454.6678049546	407480.687112694	2635.903473761503	2561.234903477916	2537.15699605585	2529.0496654140386	21.07791684120669
666	419	309246	67958.85867307335	1067617.3170250766	39.0681675989794	-100.5577309	566655.6138332037	407476.76057635	2637.1569747867306	2561.3809747867306	2536.72401	2530.0127378972506	24.85664494840403
667	419	309247	68618.85867307335	1067617.3170250766	39.068127481096	-100.5554864	566856.6226261921	407472.8168271784	2635.903473761503	2561.3809747867306	2536.72401	2530.0127378972506	24.85664494840403
668	419	309248	69278.85867307335	1067617.3170250766	39.0680854519493	-100.553036	567057.503480157	407468.636761414	2639.95196675017	2562.3224721242	2532.33176372437	2529.978307151097	27.8881390678428
669	419	309249	69938.85867307335	1067617.3170250766	39.06801861766495	-100.5506885	567258.4510457078	407464.630457955	2591.3477111169843	2562.70662439411	2528.19524052874	2525.51209305137	33.515438653702
670	419	309250	70598.85867307335	1067617.3170250766	39.067970328407	-100.5483411	567459.39653010725	407460.604	2628.742235348664	2563.1059731752823	2527.3140114287485	2525.4987505642066	35.919617
671	419	309251	71258.85867307335	1067617.3170250766	39.0679215884768	-100.5459936	567660.3418820154	407456.818515985	2625.75802451845	2563.05524528375	2524.749832870562	2523.5045491799595	38.7561711431728
672	419	309252	71918.85867307335	1067617.3170250766	39.0678272935729	-100.5436462	567861.2871201978	407452.57821978	2625.705820148465	2562.9732950273	2521.97843545258	2520.96330286487	41.926808405015254
673	419	309253	72578.85867307335	1067617.3170250766	39.06776227451096	-100.5412887	56						

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	WdL	BRrElevKgr.f	BRrElevKgr.f	SatThLog.f	SatThBot.f
1	49	30331	-363431.1413	1068277.3170250766	39.00159916169621	-102.0952722	235003.2859859114	4140361.489933628	3788.5776682095116	35.426318572449246	3483.1757536386363	3481.5129847676735	63.1463060828831	64.00887247725104
12	49	30332	-363681.1413	1068277.3170250766	39.00189417	-102.0952522	235204.3588790308	4140357.311967639	3787.071417963448	35.44400360381918	3482.5102044302025	3480.3996314029755	62.090193401715624	64.20076424894264
13	49	30333	-363921.1413	1068277.3170250766	39.00209116191919	-102.0950571	235405.4314973244	4140353.134790386	3785.585167721328	35.42248044702085	3484.9140474385208	3482.0784878582508	63.966845239287456	60.80683080767678
14	49	30334	-364261.1413	1068277.3170250766	39.002304356726	-102.088231	235608.5004357432	4140347.956768856	3784.0589174912031	35.411620094088774	3497.3073704817626	3491.737719424063	64.85476652719485	49.78437480414586
15	49	30335	-364501.1413	1068277.3170250766	39.00258940174326	-102.0858839	235807.5753483003	4140344.78067037	3782.1029453280080	35.394451504991425	3496.0968482044887	3490.582522765428	63.3483022946388	49.10682737314755
16	49	30336	-364701.1413	1068277.3170250766	39.002803717265	-102.0835368	236008.6483813965	4140340.3404330029	3779.7262597092604	35.371296225957174	3493.2857254259056	3487.320732205692	64.448797116175	50.4085737694816
17	49	30337	-364901.1413	1068277.3170250766	39.00210855735713	-102.0811897	236209.7215304915	4140336.428033524	3777.2815562570057	35.361057597670345	3492.8223719630807	3489.582595981783	63.193387303945825	48.93757167185626
18	49	30338	-365129.1413	1068277.3170250766	39.00213327939548	-102.0788427	236410.7916364547	4140337.159364547	3774.1886625177763	35.343303608	3491.636829364926	3486.071445726746	60.4632527707403	48.2327173745402
19	49	30339	-365361.1413	1068277.3170250766	39.002168917127	-102.0764666	236611.8629132629	4140328.076181785	3771.8808676987016	35.3293806597016	3492.804472254498	3487.1268795621	63.8057237166827	45.46650702553276
20	49	30340	-365601.1413	1068277.3170250766	39.0021628456449	-102.0741485	236812.9382741758	4140323.901	3768.29256653255	35.3097870725218	3491.0389159125973	3486.11173423273	63.84959159344	47.7740654612041
21	49	30341	-365741.1413	1068277.3170250766	39.002074761505	-102.0718014	237014.00463050924	4140319.752307608	3764.7084227655025	35.2848717469676	3489.83765466617	3485.10046626078	63.9476238035091	44.08270621075975
22	49	30342	-3657081.1413	1068277.3170250766	39.0022318068292	-102.0694543	237215.070598531	4140315.550261759	3761.118585187677	35.27528139378477	3486.724128426044	3483.864916291793	64.7800496180325	43.627807966635
23	49	30343	-365621.1413	1068277.3170250766	39.002256068807	-102.0671072	237416.1453648815	4140313.375450414	3758.28622232559	35.25801790946673	3485.4982157877976	3482.7873595280087	64.0363151582793	43.01423136408615
24	49	30344	-365761.1413	1068277.3170250766	39.0022807892104	-102.0647601	237617.2152545193	4140307.208806716	3756.2113406368291	35.24115065480493	3487.7507620042593	3485.7195436192596	63.364304379002	38.3952178789665
25	49	30345	-365810.1413	1068277.3170250766	39.0023521239994	-102.062431	237818.2844284578	4140303.08570663	3754.1364948993	35.222431571763226	3485.48134333963	3484.4851759560393	63.3642243705254	39.3788122038719
26	49	30346	-365441.1413	1068277.3170250766	39.0023295922656	-102.060069	238019.3547169036	4140298.55202247	3752.061626329757	35.201751200624786	3486.199416233074	3484.01533799842	64.55178439170277	36.75836264934725
27	49	30347	-365781.1413	1068277.3170250766	39.002382722026	-102.0577188	238220.4234126292	4140294.678681459	3750.068269049629	35.18702356900415	3485.187728339635	3483.506740026328	63.88552166078075	35.56651684860534
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41	49	30361	-364541.1413	1068277.3170250766	39.0026898160698	-102.0248591	241035.3649062022	4140232.71185484	3720.130960414703	35.01761400083816	3447.99396169538	3447.65848053068	64.727314730841796	45.0567558647375
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55	49	30375	-3635301.1413	1068277.3										

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfLen.f	W.Lt.	BREIveKgrg.ft	BREIveBothKgr.ft	LatBothKgr.ft	SurfBoth.ft
137	419	304547	-28181.1413	106827.73170250766	38.04075368622236	-11.79952983	26036.49670397709	4409837.068513691	327.3300808348041	3307.4862739340535	3267.3227964095775	3264.1529287195153	40.16349292447603	43.33330614539176
138	419	304548	-280521.1413	106827.73170250766	38.04077637676498	-11.7971811	260357.5387581118	4409832.921334505	326.57027667177	3307.1588909155486	3265.3876234543593	3262.4159666400524	41.77006581005244	44.72912325
139	419	304549	-279861.1413	106827.73170250766	38.0408222118291	-11.7948538	260736.5781691897	4409828.738021122	331.05174843263262	3306.877345426652365	3264.542526652285	43.19103498236144	46.317412181003566	46.317412181003566
140	419	304550	-272001.1413	106827.73170250766	38.04081142964159	-11.7924865	260939.6210194095	4409824.631153018	3296.738231491459	3306.1358122316356	3257.236930979544	43.04410259823364	39.0130119144096	
141	419	304561	-278541.1413	106827.73170250766	38.04083509275251	-11.7901393	261140.6198618747	4409820.484487745	3280.421791132677	3286.447791132677	3256.447758204909	42.93714090838706	26.61750430403483	
142	419	304562	-277881.1413	106827.73170250766	38.040849710515654	-11.787792	261341.70271745996	4409816.339	3264.112067350713	3264.112067350713	3253.656234737827	43.25417090330435	12.8951316804381	
143	419	304563	-277221.1413	106827.73170250766	38.0408782893096	-11.7854447	261542.742313437	4409812.193940512	3256.208870188942	3256.208870188942	3250.848570823847	42.94811232225367	7.0967339664052815	
144	419	304564	-276561.1413	106827.73170250766	38.0408878099363	-11.7830975	261743.78347431522	4409808.49	3256.717709474862	3257.717709474862	3247.2786301577222	43.437879317	10.86945895963218	
145	419	304565	-275901.1413	106827.73170250766	38.040906797	-11.7807505	261844.8235003114	4409803.90439804	3257.225647807634	3257.225647807634	3241.9678481863227	43.040826136992007	16.400418277861363	
146	419	304566	-275241.1413	106827.73170250766	38.0409257280945	-11.7784023	262145.8632915204	4409799.75896409	3257.733890467026	3257.733890467026	3236.155278425994	42.32540827011547	21.526975975547894	
147	419	304567	-274581.1413	106827.73170250766	38.0409389411303	-11.7760557	262346.902884475	4409795.615827211	3262.3099898458404	3262.3099898458404	3237.8112648721685	42.3684956	24.58072497376187	
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149	419	304569	-273261.1413	106827.73170250766	38.04092265116095	-11.7713611	262748.9812559674	4409787.3291028	3279.59071845051	3279.59071845051	3243.1635130000795	37.97513840370283	37.97513840370283	
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153	419	304573	-270621.1413	106827.73170250766	38.05050701244798	-11.761972	263563.153	4409770.756069292	3326.678006287456	3326.678006287456	3304.727421240207	42.5191892877262	54.5927701200875	
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164	419	304584	-263361.1413	106827.73170250766	38.052588224601	-11.7361518	265764.5397	4409725.20288071	3388.0364311991057	3388.0364311991057	3303.11843298525	42.35078841160592	50.5523416920044	
165	419	304585	-262701.1413	106827.73170250766	38.0527698299993	-11.7337345	265954.5751255954	4409721.86316712	3391.947913867053	3391.947913867053	3304.5819893546183	42.351985427481077	48.16845378985116	
166	419	304586	-262041.1413	106827.73170250766	38.0530254240641	-11.7314763	266176.63257095	4409716.93391272	3397.16187246138	3397.16187246138	3249.84787439422	42.351287015308922	51.0831276619135	
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179	419	304599	-253461.1413	106827.73170250766	38.0552891874096	-11.7010272	268792.67829614	4409663.12290154	3353.122201981549	3353.122201981549	3254.620048	42.351921533628027	51.249271920101	
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181	419	304601	-252141.1413	106827.73170250766	38.0555993161534	-11.6962477	269182.109460896	4409654.61206843	3352.52963037635	3350.8579011185134	3246.740667	42.3496481160828	41.11723413893336	
182	419	304602	-251481.1413	106827.73170250766	38.055723536914	-11.6939004	269383.1413266332	4409650.507651005	3350.0780285905773	3350.0780285905773	3242.342351969139	42.3457887293012	47.45600921437224	
183	419	304603	-250821.1413	106827.73170250766	38.05594394390924	-11.6915531	269584.1725801389	4409645.96039963	3352.527010284837	3352.527010284837	3240.92068	42.3464		

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SatHLogKrg.ft	SatHBothKrg.ft
23	419	305983	-198021.1413	106827.73170250766	38.0682823730711	-101.503745	285665.955774585	4409316.565859932	3442.2781118523903	3205.664318917576	3133.6258533839373	3134.056255734663	72.03846551917877	71.60806318291316
264	419	305984	-197361.1413	106827.73170250766	38.0684162236612	-101.501471	285866.965276115	4409312.450517693	3440.2224609617313	3203.966700581747	3133.966700581747	3134.056255734663	72.725274725882	72.02016851
265	419	305985	-196701.1413	106827.73170250766	38.068536211341	-101.499427	286067.968667848	4409309.335	3438.1703299617313	3202.24583817243	3128.932816122433	3129.81757616571	72.7348219287835	72.6286722493698
266	419	305986	-196041.1413	106827.73170250766	38.068665648895	-101.4967223	286268.957978543	4409304.200571894	3436.1164377046964	3200.96685077939	3126.82866756968	3135.4511362116596	73.87573732	76.0894657639027
267	419	305987	-195381.1413	106827.73170250766	38.0688320551274	-101.4943749	286470.0871836004	4409300.105667372	3434.754769512048	3198.747199991897	3129.371684887137	3132.4881446383724	73.87575151047602	76.25905535352467
268	419	305988	-194721.1413	106827.73170250766	38.06896570918471	-101.4920275	286671.021429394	4409295.961093979	3433.5453173079378	3196.976087656214	3125.186579526284	3129.719957487184	73.9032923633895	76.25965128
269	419	305989	-194061.1413	106827.73170250766	38.0690906750488	-101.4898601	286879.0590675488	4409291.877466383	3432.5158615060094	3195.97833624371	3122.4249323218673	3123.283978	72.72729126050349	71.7138662918069
270	419	305990	-193401.1413	106827.73170250766	38.0692238	-101.4873327	287073.0462388317	4409287.367303008	3431.485045040441	3193.414084973786	3121.071934470234	3121.2920181612926	72.40689152676259	72.12260681249336
271	419	305991	-192741.1413	106827.73170250766	38.0693561923354	-101.4848485	287274.058077462	4409283.850091125	3429.2254415836233	3191.62858933262	3118.358915825434	3120.81757616571	72.7287307801858	72.6286722493698
272	419	305992	-192081.1413	106827.73170250766	38.069487035451	-101.482373	287475.070182970	4409279.53663434	3428.732956453763	3189.841912445027	3117.8467986124556	3113.56728214556	77.1974015432368	76.273690336455
273	419	305993	-191421.1413	106827.73170250766	38.0696205	-101.4802905	287676.0818497559	4409275.43043543	3427.240475108232	3188.063347348928	3117.0466494909136	3113.571774222087	77.17129745	76.4820428498495
274	419	305994	-190761.1413	106827.73170250766	38.06975178824764	-101.4779431	287877.0933031235	4409271.310260902	3425.747819780526	3186.292070434302	3118.866235383603	3110.0989258728455	77.4240355943929	76.19045057
275	419	305995	-190101.1413	106827.73170250766	38.0698826503617	-101.4755957	288078.10584458244	4409267.198	3424.1578419294153	3184.52700624159	3115.9067351872036	3109.02369432804	75.50380539315504	76.51408933
276	419	305996	-189441.1413	106827.73170250766	38.0700130589286	-101.4732483	288279.1156	4409263.05509898	3422.47025806002	3182.783150193775	3115.08342287595	3110.08058647976	77.6992070061076	74.5930643289756
277	419	305997	-188781.1413	106827.73170250766	38.0701430139754	-101.470909	288480.1264366234	4409258.284499448	3420.722506840582	3181.059177801806	3114.356027394743	3107.858476789546	77.6992070061076	74.5930643289756
278	419	305998	-188121.1413	106827.73170250766	38.0702725155015	-101.468535	288681.1370643634	4409254.8611543842	3419.0943919961583	3179.35703406302	3110.659334727736	3107.164801682013	75.09750093	72.1922372234918
279	419	305999	-187461.1413	106827.73170250766	38.07040156350716	-101.4662061	288882.1474866574	4409250.748898914	3417.1930909007434	3177.677947032575	3115.730837807813	3110.659334727736	75.09750093	72.1922372234918
280	419	306000	-186801.1413	106827.73170250766	38.07053031579913	-101.4638587	289083.157698377	4409246.634796975	3415.080723524358	3176.022910740585	3114.4884120553306	3110.659334727736	75.09750093	72.1922372234918
281	419	306001	-186141.1413	106827.73170250766	38.0706582985436	-101.4615113	289284.16770510573	4409242.52731916	3412.9676140879657	3174.392704775555	3112.7023090054723	3110.659334727736	75.09750093	72.1922372234918
282	419	306002	-185481.1413	106827.73170250766	38.070786	-101.4591639	289485.1750525626	4409238.341639835	3410.454766725135	3172.78993540278	3110.944054	3112.7023090054723	75.09750093	72.1922372234918
283	419	306003	-184821.1413	106827.73170250766	38.07091322035175	-101.4568165	289686.1870990357	4409230.365726289	3408.9050268244424	3171.208871834371	3110.118233166594	3110.0212885320167	76.09008382	68.8075303235449
284	419	306004	-184161.1413	106827.73170250766	38.07104170071384	-101.454448	289887.19648665056	4409224.195	3407.0108931707534	3169.6558241071959	3110.34793088538	3102.4040126304	76.09008382	68.8075303235449
285	419	306005	-183501.1413	106827.73170250766	38.071169148	-101.452057	290087.2569158204	4409216.195	3405.0302656921435	3167.93519222988	3109.33479308538	3102.4040126304	76.09008382	68.8075303235449
286	419	306006	-182841.1413	106827.73170250766	38.0712920020041	-101.4497742	290289.2146422116	4409212.157184057	3403.7578646338	3166.627149183646	3110.706305387352	3110.1343634532746	76.09008382	68.8075303235449
287	419	306007	-182181.1413	106827.73170250766	38.0714176207728	-101.4474268	290490.22341457184	4409207.865494648	3401.72150300438	3165.152427082546	3109.006326244459	3108.348887815076	76.1460943807638	68.8273860273588
288	419	306008	-181521.1413	106827.73170250766	38.07154258714206	-101.4450794	290691.2320795149	4409213.756	3400.66449311781	3163.702576	3106.51594055391	3106.975025125902	76.1768221525902	68.7273346077235
289	419	306009	-180861.1413	106827.73170250766	38.0716767099529	-101.442732	290892.2043490341	4409209.648507415	3398.057486858297	3162.2778112598776	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
290	419	306010	-180201.1413	106827.73170250766	38.07179115918636	-101.4403486	291083.24859436956	4409205.37398273	3408.45047861424	3160.877642436522	3104.727734581765	3105.76990384507	76.1768221525902	68.7273346077235
291	419	306011	-179541.1413	106827.73170250766	38.071916148	-101.4380371	291284.2566461487	4409201.42911433	3407.575868573307	3159.75868573307	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
292	419	306012	-178881.1413	106827.73170250766	38.072037911713576	-101.4356897	291465.2903249315	4409197.32073219	3406.4457625494	3158.943027412823	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
293	419	306013	-178221.1413	106827.73170250766	38.072166158242	-101.4333423	291687.2718317771	4409193.21541667	3405.30964387528	3158.961836511521	3109.197463072783	3105.76990384507	76.1768221525902	68.7273346077235
294	419	306014	-177561.1413	106827.73170250766	38.0722862806983	-101.430949	291897.2791691058	4409189.104544621	3404.1774117582821	3155.512708635585	3108.810712095552	3109.060210217283	76.1768221525902	68.7273346077235
295	419	306015	-176901.1413	106827.73170250766	38.072405642676	-101.4286475	292098.2862035423	4409184.89680223	3402.54819936862	3154.2264869075826	3108.427943038508	3108.810712095552	76.1768221525902	68.7273346077235
296	419	306016	-176241.1413	106827.73170250766	38.072525907452	-101.4263	292299.232	4409180.8893417	3400.98536356292	3152.05265766686	3108.05265766686	3108.05265766686	76.1768221525902	68.7273346077235
297	419	306017	-175581.1413	106827.73170250766	38.0726487583312	-101.4239582	292500.299565573	4409176.78210871	3398.159117024218	3150.72828769567	3106.053068062671	3106.053068062671	76.1768221525902	68.7273346077235
298	419	306018	-174921.1413	106827.73170250766	38.0727767203651	-101.4216052	292701.3064815674	4409172.615120543	3396.0302656921435	3150.054302656	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
299	419	306019	-174261.1413	106827.73170250766	38.0728982839334	-101.4192578	292902.31280149386	4409168.58736461	3393.967845195713	3149.2202516795184	3104.942656435927	3104.942656435927	76.1768221525902	68.7273346077235
300	419	306020	-173601.1413	106827.73170250766	38.0730068079458	-101.4169103	293103.1381956575	4409164.46188197	3391.9081052549257	3147.986291203614	3104.50639234525	3104.50639234525	76.1768221525902	68.7273346077235
301	419	306021	-172941.1413	106827.73170250766	38.073125874323	-101.4145629	293304.3248	4409160.35630698	3385.2041732138	3146.782552197606	3107.916322292716	3107.916322292716	76.1768221525902	68.7273346077235
302	419	306022	-172281.1413	106827.73170250766	38.07324449539216	-101.4122155	293505.330544559	4409156.3049559	3383.3042932133507	3145.5698941903256	3107.645607509244	3108.329811711194	76.1768221525902	68.7273346077235
303	419	306023	-171621.1413	106827.73170250766	38.0733625882576	-101.4098881	293706.330546881	4409152.14365631	3381.370691903217	3144.357699103217	3107.645607509244	3107.645607509244	76.1768221525902	68.7273346077235
304	419	306024	-170961.1413	106827.73170250766	38.0734805738724	-101.4075206	293907.3413623895	4409148.03851273	3376.427610622026	3143.1458413952987	3106.03406849579	3107.335431434913	76.1768221525902	68.7273346077235
305	419	306025	-170301.1413	106827.73170250766	38.07359821168726	-101.405178	294108.3562390116	4409144.333218059	3374.2941486826933	3142.058458113805	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
306	419	306026	-169641.1413	106827.73170250766	38.0737144279644	-101.4028258	294309.3513627056	4409139.380209081	3372.152123967652	3140.71334123819	3105.76990384507	3105.76990384507	76.1768221525902	68.7273346077235
307	419	306027	-168981.1413	106827.73170250766	38.0738303772893									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevBothKgr.f	SatThKLog.s	SatThBoth.f
389	419	309709	-114861.1413	106827.7310250766	38.08818280481483	-101.2079867	101992.071730695	440879.996170372	31.6372729024289	2790.600274684177	2986.239785380238	2986.0210991777344	0	0
390	419	309710	-114201.1413	106827.7310250766	38.08819067539689	-101.2056493	101931.0464874203	440795.862	31.2614584196216	2967.3385120231054	2983.280643328167	2983.4075891544362	0	0
391	419	309711	-113641.1413	106827.7310250766	38.08819690506382	-101.203818	101884.053299701	440791.798	31.2831212573064	2965.2938337022604	2979.831081168928	2979.8148357036306	0	0
392	419	309712	-112881.1413	106827.7310250766	38.0882065805341	-101.2004943	101595.04173711228	440781.5617619	30.9715483762608	2962.664057433924	2970.598115596325	2967.2454724622	0	0
393	419	309713	-112221.1413	106827.7310250766	38.08821401502423	-101.1985968	1011796.0289808804	440783.629813851	30.83.69148421824	2960.0530176821026	2963.573096558612	2959.78675265447	0	0.265324216655581
394	419	309714	-111561.1413	106827.7310250766	38.0882174019062	-101.1962493	1011997.0171	440771.546471724	30.87.011162	2957.4621262637416	2958.59460527363	2951.751263903493	0	0.157089934
395	419	309715	-110901.1413	106827.7310250766	38.0882394800263	-101.1939018	101198.05646827246	440773.463266384	30.53.276664147678	2956.289499512766	2951.065650642943	2943.792122728028	3.82724352231443	11.10076782321836
396	419	309716	-110241.1413	106827.7310250766	38.08823964460234	-101.1915544	101238.9932523086	440771.30305823	30.42.344665186426	2954.346658186426	2946.393002480792	2946.6758632004438	6.954377270563378	15.87701918923314
397	419	309717	-109691.1413	106827.7310250766	38.08824466953136	-101.1892609	101259.8686751543	440767.2579502085	30.31.706466882437	2949.8165157817305	2936.79286931616	2929.2073867854683	10.01921915269373	20.68911831183864
398	419	309718	-108921.1413	106827.7310250766	38.08825007371211	-101.1865854	101280.9671209676	440763.215118999	30.27.93025183116292	2947.300250525232	2931.4781504208177	2925.075422721534	15.83014463114441	22.2507172780785
399	419	309719	-108261.1413	106827.7310250766	38.088259469706364	-101.1845119	1013001.5496826165	440759.132892719	30.08.956368357077	2944.8149917437033	2924.385189785526	2922.6319115280214	20.43033883432949	22.18758793338907
400	419	309720	-107601.1413	106827.7310250766	38.08826886746146	-101.1821644	1013202.9418421265	440755.050911814	2996.8108381428287	2942.348035285101	2937.176595338043	2935.4092110278925	25.1743994705734	26.93882425720858
401	419	309721	-106941.1413	106827.7310250766	38.08827458431245	-101.1798169	1013403.9283541669	440750.989174385	2982.6653077221005	2939.893507221005	2930.445126523403	2931.781304109966	30.78849899756239	32.46337181000854
402	419	309722	-106281.1413	106827.7310250766	38.08828158	-101.1774964	1013604.915044188	440746.887882312	2969.5174552743508	2937.4552743508	2932.208935479542	2930.82571655671	35.2426315766177	37.07274147542517
403	419	309723	-105621.1413	106827.7310250766	38.0882886573845	-101.1751219	1013805.9013228184	440742.860434958	2962.158071969209	2935.0324725902424	2986.894876784307	2983.4326180713303	38.14268491181171	40.679610888912066
404	419	309724	-104961.1413	106827.7310250766	38.088291	-101.1727745	1014006.8725020595	440738.7254323205	2960.5800287662096	2932.6270882371546	2986.472562479902	2983.21750283341	37.15412575725496	39.4100353871342
405	419	309725	-104301.1413	106827.7310250766	38.088303921672375	-101.170427	1014207.873486055	440734.66474381	2960.02309834211	2930.240814853477	2984.085818864763	2982.099786176556	36.1542626082626	38.14224714828044
406	419	309726	-103641.1413	106827.7310250766	38.08831043539976	-101.1680795	1014408.8592710849	440730.55461136	2957.424050930211	2927.81525059375	2900.65783573679	2909.39111901796	27.20394130569535	28.58515137579047
407	419	309727	-102981.1413	106827.7310250766	38.08831756098016	-101.165732	1014609.84487534675	440728.483892578	2956.938370512974	2925.521546466927	2903.88907846309	2902.3832737018374	21.63246799368304	23.1382775485528
408	419	309728	-102321.1413	106827.7310250766	38.0883245903147	-101.1633845	1014810.8302990482	440722.403668895	2957.544898	2923.19032619335	2906.642319323954	2905.6480728898135	18.27476693030677	
409	419	309729	-101681.1413	106827.7310250766	38.0883319991502	-101.161037	10151001.81562439796	440718.342094897	2958.1514950174828	2920.87098653677	2908.4136706043674	2906.581001818636	12.6448893329449	14.2979635833921
410	419	309730	-101001.1413	106827.7310250766	38.0883356244545	-101.1588985	10151210050050117	440714.24455437	2958.7054892141819	2918.584589421832	2905.970355527616	2903.032322	15.5226736997422	15.55266748011753
411	419	309731	-100341.1413	106827.7310250766	38.088340784761	-101.156242	1015143.7654886454	440710.156733969	2958.5145132956525	2918.5145132956525	2908.5145132956525	2908.5145132956525	12.90248688989775	
412	419	309732	-99681.1413	106827.7310250766	38.088352356911	-101.1539495	1015614.701923555	440706.082197585	2956.04932455816	2914.05034203151	2908.739783556457	2905.664004585307	3.90556736784037	8.39633817844103
413	419	309733	-99021.1413	106827.7310250766	38.0883591099441	-101.151647	1015815.75471639324	440702.007419173	2968.90760363047	2911.8093569403036	2908.603064867273	2905.2427167898635	3.210950542703132	6.56599504162076
414	419	309734	-98361.1413	106827.7310250766	38.0883659037505	-101.1492995	1016016.7390610295	440697.92863185	2974.264128283226	2909.58605544922	2908.110266430828	2903.095833456345	1.47631411409451	6.49074211885725
415	419	309735	-97701.1413	106827.7310250766	38.0883726997958	-101.146952	1016217.722266283	440693.850551816	2983.159565	2907.382741144943	2907.327257354962	2906.033569109616	0.66047169532212745	5.93247839300577
416	419	309736	-97041.1413	106827.7310250766	38.08837939117655	-101.1446045	1016418.70731321165	440689.72483031	2986.641552572884	2909.89587288019	2900.9674310167305	2902.48235657271	4.232462716483645	10.0516217047832
417	419	309737	-96381.1413	106827.7310250766	38.08838663717005	-101.142257	1016619.6911211818	440685.69469875	2987.1516733969	2908.5145132956525	2908.5145132956525	2908.5145132956525	3.426361478602324	9.605626878
418	419	309738	-95721.1413	106827.7310250766	38.0883975783384	-101.139871	1016820.617083516	440682.617083516	2990.89578471152	2909.8545125251894	2909.8545125251894	2909.8545125251894	5.050473498775	9.325478370192114
419	419	309739	-95061.1413	106827.7310250766	38.08839919313591	-101.1375621	1017021.658020182743	440677.93570342	3028.903270383399	2986.77403128344	2984.090046477197	2988.588498	4.687333651146673	9.18894093
420	419	309740	-94401.1413	106827.7310250766	38.088407	-101.1352146	1017222.614749223	440673.462661944	2986.68242733536	2989.8721370476883	2987.510503585511	0	9.171921148025376	
421	419	309741	-93741.1413	106827.7310250766	38.0884121676577	-101.1328671	1017423.6245701426	440669.385818119	3023.040931	2984.61074995984	2987.021194645397	2988.3525653987026	9.25818459728134	
422	419	309742	-93081.1413	106827.7310250766	38.0884185691354	-101.1305196	1017624.607487695	440665.390218854	3022.1097870529957	2982.562441059674	2984.6969594730244	2980.3950156135024	0	2.711924537414606
423	419	309743	-92421.1413	106827.7310250766	38.08842496075003	-101.1281721	1017825.5902778424	440661.232664105	3019.6212284527	2983.5365263803674	2987.131729682036	2981.071932590519	3.404623121605705	95.18420429453689
424	419	309744	-91761.1413	106827.7310250766	38.08843129	-101.1258426	1018029.67279051724	440657.1156733969	3017.5145132956525	2988.5145132956525	2988.5145132956525	2988.5145132956525	4.92734852947299	
425	419	309745	-91101.1413	106827.7310250766	38.0884375749807	-101.1234771	1018227.5551764009	440653.08888837	3023.6205812939325	2986.501493808527	2983.0409365171904	2981.34684492304	3.5094384136623376	10.034689892622356
426	419	309746	-90441.1413	106827.7310250766	38.088443011316625	-101.1212196	1018428.5373853405	440649.0505267232	3025.48331	2984.593375	2983.314187461163	2985.73473039836	11.279167468482	18.81990232709147
427	419	309747	-89781.1413	106827.7310250766	38.08845000780354	-101.1187821	1018629.5194176444	440644.92896647	3025.645849745575	2982.6609141103213	2981.2542924568597	2983.53658393359	11.4686216346157	19.12534571696233
428	419	309748	-89121.1413	106827.7310250766	38.08845614988923	-101.1164346	1018830.5012735169	440640.854758572	3024.0145283761973	2983.53526926116	2986.684187551213	2981.5443015874243	12.0683466	19.20822305187564
429	419	309749	-88461.1413	106827.7310250766	38.08846225164323	-101.1140871	1019031.489251665	440636.779870998	3022.43103139373	2980.78767	2986.891531096727	2980.22777330304	11.97601568838794	18.63973662016156
430	419	309750	-87801.1413	106827.7310250766	38.0884638042346	-101.1117996	1019232.4644567906	440632.705272919	3018.0194854270082	2980.502885157823	2985.490701214944	2981.6459621003811	11.50558792539688	
431	419	309751	-87141.1413	106827.7310250766	38.0884719196662	-101.109427	1019443.687617656	440628.467617656	3017.1643192741512	2984.36536827686	2984.36536827686	2984.36536827686	11.80130983161288	19.59849568917953
432	419	309752	-86481.1413	106827.7310250766	38.0884828477599	-101.1071436	1019634.426836339	440624.556675211	3008.12723422987	2973.34455209877	2980.081035192521	2982.28603747859	13.23020609082018	21.06395111142022
433	419	309753	-85821.1413	106827.7310250766	38.0884862051042	-101.1046971	1019835.40791365044	440620.48276562	3004.345521	2971.5432881300735	2987.9077845614905	2985.4245422777	13.89350356683027	21.558182799584
43														

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.ft	W.Lt.	BREIEvLogKgr.ft	BREIEvLogKgr.ft	SatThvLogKgr.ft	SatThvBoth.ft
515	419	309835	-31701.14133	1068277.3170250766	38.0881732886215	-100.9122008	336315.270998570	4082827.25329258	2990.035618657617	2826.263054634037	2814.0339462295937	2815.599978952732	12.2295623309944	10.66322650071848
516	419	309836	-31041.14133	1068277.3170250766	38.0881948470753	-100.9098533	336516.238136814	4082823.199644253	2994.776693676647	2825.042381630912	2812.0490108565701	2813.39100365206	12.2295623309944	11.65132127
517	419	309837	-30981.14133	1068277.3170250766	38.0882158619374	-100.9076581	337167.2051169966	4082823.199644253	2994.776693676647	2825.042381630912	2812.0490108565701	2813.39100365206	12.2295623309944	11.65132127
518	419	309838	-29721.14133	1068277.3170250766	38.0882366031573	-100.9051385	336918.213693224	4082825.705	3004.2588432735416	2827.0411059126185	2807.380406735414	2808.339324	10.59699177204497	14.07718142684583
519	419	309839	-29601.14133	1068277.3170250766	38.0882568011023	-100.9028108	337119.13860399623	4082821.041601909	3003.1758305782255	2828.0014208821543	2803.6808358754945	2804.27476287125	17.32073739460475	16.7239449602933
520	419	309840	-28840.14133	1068277.3170250766	38.0882765453333	-100.904632	337320.10511123063	4082826.967488596	2996.2687262669999	2819.530142741194	2797.3612567619125	2797.676049057642	12.2295623309944	21.85410184
521	419	309841	-27741.14133	1068277.3170250766	38.088298366080626	-100.8981157	337521.07146122574	4082826.935	2989.36145954644	2817.9996703448046	2789.091210999717	2789.1077476287125	17.32073739460475	16.7239449602933
522	419	309842	-27081.14133	1068277.3170250766	38.0883146731273	-100.8957862	337722.073541909	4082825.862873113	2982.562756442334	2816.411822569472	2780.55471142277	2780.160684207824	35.85765141469756	35.251138349130857
523	419	309843	-26421.14133	1068277.3170250766	38.0883359369944	-100.8934027	337923.0036993332	4082826.33830928	2977.65895183795	2814.7685036432337	2775.961279113827	2775.686755249894	38.1722472930096	38.1722472930096
524	419	309844	-25761.14133	1068277.3170250766	38.0883508669775	-100.8910731	338123.969569557	4082826.77322437	2974.9474935116	2813.071928607335	2777.814239625157	2777.52891764413	35.197849221956	35.197849221956
525	419	309845	-25101.14133	1068277.3170250766	38.08837836431452	-100.8887256	338324.932929662	4082827.722	2972.290921973538	2811.324338	2781.807348310407	2783.034761	25.1698972483291	28.28957686211052
526	419	309846	-24441.14133	1068277.3170250766	38.0883854860444	-100.8863781	338525.90058967316	4082824.67656497	2969.600360368185	2809.528046345713	2784.1236060592532	2785.856011	25.40440775318108	23.6720353421152
527	419	309847	-23781.14133	1068277.3170250766	38.0884025053386	-100.8840306	338726.8662707793	4082825.6599032	2960.68458884871	2805.68458884871	2785.738893726672	2787.8079132143407	19.877527	19.877527
528	419	309848	-23121.14133	1068277.3170250766	38.088418117165	-100.881683	338927.8315258941	4082824.54785271	2967.68840229379	2805.79860229379	2786.652530307118	2787.464270593718	19.1464231990274	16.8644817036125
529	419	309849	-22461.14133	1068277.3170250766	38.088438333938	-100.8793535	339228.7966254229	4082820.34599066	2933.970641076922	2803.79189369364	2787.454338114743	2789.73391812067	14.16562787158942	17.30628617289952
530	419	309850	-21801.14133	1068277.3170250766	38.0884490240640	-100.876988	339329.76156957186	4082826.414158515	2900.2524167167403	2801.901753316422	2788.068417860273	2790.32208057402	13.83201153574665	11.5797252686172
531	419	309851	-21141.14133	1068277.3170250766	38.0884797719796	-100.8746405	339530.726585406	408222.43416666	2907.273903269897	2789.683890545906	2784.639249311189	2787.264831081248	15.22139743041694	12.63155394645829
532	419	309852	-20481.14133	1068277.3170250766	38.088484781	-100.8722929	339731.690925571	4082818.37416402	2910.033410338382	2797.857045929717	2785.8705156838	2788.201323531715	19.877527	19.877527
533	419	309853	-19821.14133	1068277.3170250766	38.0884914674046	-100.8699544	339932.655471909	4082814.32497015	2905.734734727973	2796.78452967195	2783.942019586764	2786.03716832287	11.84592570695213	9.570776963841417
534	419	309854	-19161.14133	1068277.3170250766	38.08850534118655	-100.8675979	340136.6171964928	4082810.752674814	2905.552805461573	2793.68793053054	2779.725266216325	2781.96760400664	13.96267283672937	11.711842652630007
535	419	309855	-18501.14133	1068277.3170250766	38.0885182820762	-100.8652053	340334.583966374	4082826.227	2911.30065493949	2791.558781207091	2777.7209381107677	2779.8688232541678	13.837843096323468	11.68995792953591
536	419	309856	-17841.14133	1068277.3170250766	38.0885307694098	-100.8629028	340535.547863396	4082812.17855413	2925.036711974888	2789.407265624127	2775.5852727975125	2777.00532043568	11.7939472384396	11.7939472384396
537	419	309857	-17181.14133	1068277.3170250766	38.088543811658	-100.8606101	341342.92040405	4082815.52057342	2981.4520616285353	2787.30219821793	2785.338518255	2786.15889266795	16.19013007105593	16.19013007105593
538	419	309858	-16521.14133	1068277.3170250766	38.08855438340785	-100.8582078	340937.4755384267	408194.0810364243	2952.5086477134695	2785.0189156045457	2771.017086318902	2772.705251325853	14.00110325645791	12.31665275062499
539	419	309859	-15861.14133	1068277.3170250766	38.0885651007224	-100.8558602	341138.439108587	408292.239922922	2922.335968423845	2782.79570096837	2768.583640043916	2770.096009749	14.2154659	12.7246148410903
540	419	309860	-15201.14133	1068277.3170250766	38.0885761831802	-100.8535127	341339.402510553	408185.985197103	2968.2170302422255	2780.552914963433	2766.0015672081064	2767.269590286657	14.55134733532626	13.28322864576348
541	419	309861	-14541.14133	1068277.3170250766	38.08858640277317	-100.8511652	341540.3657914273	408181.937364569	2974.110463842667	2778.293294226926	2763.1663831051424	2764.2011122166932	14.08317202999936	14.08317202999936
542	419	309862	-13881.14133	1068277.3170250766	38.0885961687721	-100.8488177	341741.3288542533	408177.890213113	2980.003897441908	2776.01558337519	2768.896435314142	2760.731390413024	16.119148259377198	15.284193142495042
543	419	309863	-13221.14133	1068277.3170250766	38.0886054811658	-100.8465074	341942.29179791163	408178.843251172	2981.4520616285353	2787.30219821793	2785.338518255	2786.15889266795	16.19013007105593	16.19013007105593
544	419	309864	-12561.14133	1068277.3170250766	38.0886153404804	-100.8441722	342139.764274712	408169.79442712	2987.14239620077	2771.017086318902	2772.705251325853	2773.01360140918	19.398714162322	16.97300770779494
545	419	309865	-11901.14133	1068277.3170250766	38.0886227453779	-100.8417751	342344.2173264141	408165.749830078	2975.48498977287	2787.6037788847	2766.7401372160693	2764.9750213186917	24.42349968281531	22.11261570192966
546	419	309866	-11241.14133	1068277.3170250766	38.0886306971471	-100.8394276	342545.17982154513	408163.70390302	2972.48675182856584	2766.7515482856584	2742.342595328736	2742.342595328736	24.42349968281531	24.42349968281531
547	419	309867	-10581.14133	1068277.3170250766	38.088638195396	-100.837308	342746.1421468037	408157.654034445	2973.241991649537	2764.40428759756	2739.236849768581	2739.097887541779	25.1674372888493	25.3064005578968
548	419	309868	-9921.14133	1068277.3170250766	38.0886452400154	-100.8347325	342947.1043239697	408153.611551871	2977.741715327451	2762.400732454005	2738.49119787254	2738.49119787254	25.3064005578968	25.3064005578968
549	419	309869	-9261.14133	1068277.3170250766	38.0886518311149	-100.8322385	343148.0665629216	408149.56982474	2982.1874390055486	2759.6810553621082	2738.66225021678	2738.66225021678	25.3064005578968	25.3064005578968
550	419	309870	-8601.14133	1068277.3170250766	38.0886576985717	-100.830074	343349.02840405	408145.52057342	2986.6916285353	2757.30219821793	2785.338518255	2786.15889266795	16.19013007105593	16.19013007105593
551	419	309871	-7941.14133	1068277.3170250766	38.0886701897874	-100.8278698	343549.755384267	408141.4545271	2987.14239620077	2771.017086318902	2772.705251325853	2773.01360140918	19.398714162322	16.97300770779494
552	419	309872	-7281.14133	1068277.3170250766	38.0886788037395	-100.8253424	343750.951274332	408137.40376645	2984.76542845158	2752.541241852936	2739.63860305875	2740.38312097513	19.398714162322	16.97300770779494
553	419	309873	-6621.14133	1068277.3170250766	38.088687308637	-100.8229949	343951.9129475874	408133.38594162	2982.01186454278	2750.15185805818	2740.13460449238	2740.13460449238	19.398714162322	16.97300770779494
554	419	309874	-5961.14133	1068277.3170250766	38.0886971983263	-100.8206473	344152.87425151956	408129.341549707	2987.2580042109283	2747.759623410829	2740.6287625813793	2741.256110772365	13.086829	13.086829
555	419	309875	-5301.14133	1068277.3170250766	38.0887081830233	-100.8182968	344353.835782288	408125.29401378	2972.5420711429535	2745.36579043014598	2740.999944	2740.999944	13.086829	13.086829
556	419	309876	-4641.14133	1068277.3170250766	38.08871865262265	-100.8159523	344554.79653491874	408121.25346641	2961.863914517993	2742.968878275412	2741.36393439792	2741.7927189771053	16.095934259691265	17.17716850435919
557	419	309877	-4001.14133	1068277.3170250766	38.088728187874	-100.813721	344759.7168180055	408117.81192971	2962.7168180055	2742.968878275412	2741.36393439792	2741.7927189771053	16.095934259691265	17.17716850435919
558	419	309878	-3341.14133	1068277.3170250766	38.08873607409314	-100.8112573	344965.7178509794	408113.13946461	2940.57079032409	2738.178141	2741.0500982114	2741.0500982114	16.095934259691265	17.17716850435919
559	419	309879	-2661.14133	1068277.3170250766	3									

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BRIElevLogKrg.ft	BRIElevBothKrg.ft	SatThcLog.s	SatThcBoth.ft
41	309961	15458.85867307335	1068277.3170250766	39.80873178982776	-100.1614127	16355.9531	4407778.04136893	2695.906872402064	2605.2410979624224	2605.9636927897715	0	0	0	0
442	419	309962	15118.85867307335	39.8087282086797	-100.1614032	161836.901980295	440778.34201473	2696.2580411776616	2599.3786360171329	2604.5847323486057	2604.5847323486057	2604.5847323486057	2604.5847323486057	2604.5847323486057
443	419	309963	15278.85867307335	39.80872466258281	-100.1614174	36207.8508693116	440770.3645591286	2698.075452009111	2598.1378951985453	2603.8194689177528	2603.8194689177528	2603.8194689177528	2603.8194689177528	2603.8194689177528
444	419	309964	153438.85867307335	39.80872097688233	-100.1609302	36238.797846836	440776.3407154233	2695.334803076602	2566.9672281509067	2602.602808078344	2602.602808078344	2602.602808078344	2602.602808078344	2602.602808078344
445	419	309965	154098.85867307335	39.80871781856296	-100.1607026	362439.477296793	4407762.31975018	2695.691215415602	2565.8721666470183	2600.8947062947627	2600.8947062947627	2600.8947062947627	2600.8947062947627	2600.8947062947627
446	419	309966	154758.85867307335	39.808713541474994	-100.16046751	362640.696050198	440778.29721104	2695.998055232993	2564.8690515823997	2598.378593379993	2598.378593379993	2598.378593379993	2598.378593379993	2598.378593379993
447	419	309967	155418.85867307335	39.80870976	-100.16023276	362841.642438257	4407754.275929372	2693.7610717409602	2563.936372423372	2595.3102102119366	2595.3102102119366	2595.3102102119366	2595.3102102119366	2595.3102102119366
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ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BREIEvLogKrg.ft	BREIEvBothKrg.ft	SurfBothKrg.ft		
27	42	310087	-353781.1413		1068937.3170250766	39.80416689480723	-102.0577502	238224.6112214748	410496.038551475	3394.394861063344	315.8981159011981	3491.674078519501	3490.320802327127	27.22400849247997	28.57735684853945
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58	42	310118	-333321.1413		1068937.3170250766	39.80489873075565	-101.9849874	244457.61963913785	410366.764957102	3309.66521086822396	3427.8419870700222	3422.80019249045024	3421.07121621217335	44.017121621217335	44.017121621217335
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60	42	310120	-332001.1413		1068937.3170250766	39.804944445	-101.980293	244859.741506233	410358.423030031	3308.24248724	3463.012296435164	3412.44891835523	3412.25064303593	50.56303451	50.7424811435704
61	42	310121	-331341.1413		1068937.3170250766	39.804967240596284	-101.9779458	245060.8013655053	410354.267278895	3307.17068722931	3461.223413456505	3408.4588521256423	3403.178139567795	57.7376114963522	58.04527397853053
62	42	310122	-330681.1413		1068937.3170250766	39.80498973070065	-101.9756586	245251.961228473	410350.12741472	3306.103411047422	3459.914544264	3402.0644727532	3402.0644727532	58.454252186032	58.454252186032
63	42	310123	-330021.1413		1068937.3170250766	39.80501268775488	-101.9735213	245462.92103395093	410345.937919239	3305.7772424461	3457.599505577714	3392.154242899568	3391.28552406517	58.45425277	58.45425277
64	42	310124	-329361.1413		1068937.3170250766	39.8050353411551	-101.9709041	245663.98049874324	410341.77107635	3305.459308522967	3455.7633772257823	3385.68857515988	3384.8043043247273	70.074797097946	70.959129
65	42	310125	-328701.1413		1068937.3170250766	39.805057563130266	-101.9685589	245869.760771285	410337.607149835	3305.38759216528	3453.910837277701	3384.288949503015	3383.410556	69.6218877419942	70.5002813822701
66	42	310126	-328041.1413		1068937.3170250766	39.80508051779917	-101.9662097	246066.0986349922	410333.443	3305.31570810268	3452.4007754961034	3385.2898505184994	3384.4882111533234	65.709249777995	67.59256432777995
67	42	310127	-327381.1413		1068937.3170250766	39.805103037122116	-101.9638265	246267.1573692072	410329.278570597	3304.905483264246	3450.15028097917	3382.753301996845	3382.753301996845	62.6829971146696	63.74826937248628
68	42	310128	-326721.1413		1068937.3170250766	39.80512551	-101.9615152	246468.2156417507	410325.114562272	3304.2972605027763	3448.243391415567	3380.349036267757	3380.428961269922	58.8943514880961	59.8142428857451
69	42	310129	-326061.1413		1068937.3170250766	39.80514809700065	-101.9592808	246678.574263877	410321.381961467	3303.920651819634	3447.318743293434	3379.784731829433	3379.784731829433	58.54839876824516	58.54839876824516
70	42	310130	-325401.1413		1068937.3170250766	39.80517032014056	-101.9568208	246893.3198251505	410318.718577131	3303.5910354078633	3446.161395131434	3379.22767			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurElev.ft	W.Lt.	BRLEvBothKgr.ft	BRLEvBothKgr.ft	Gr2t1000	SurElevBoth.ft
13	420	130123	-270621.1413	1068937.3170250766	39.0687000517882	-101.7619691	263557.2899444248	409972.085520023	3312.070650852659	3304.2801393895597	3242.2590392726133	3241.5625977773743	62.02110012	62.7175411285414
154	420	130124	-269961.1413	1068937.3170250766	39.0686892924752	-101.7594487	263758.3276042193	409967.343	3333.639675237605	3304.0485121760805	3244.7940547107405	3244.0905693175	59.22455746586796	59.9580423245651
155	420	130125	-269901.1413	1068937.3170250766	39.0686915789676	-101.7584174	263859.3650312025	409963.800489814	3342.898519272984	3303.7985110238876	3245.1362238387919	3245.460655115627	58.6888481195403	59.33845580826963
156	420	130126	-269841.1413	1068937.3170250766	39.06869254113353	-101.7584174	264160.4022557966	409959.658284665	3347.03721367365	3303.53135465161	3245.4212840110775	3245.78024323655	58.70432590209584	58.70432590209584
157	420	130127	-269781.1413	1068937.3170250766	39.06869407935677	-101.7526067	264361.43918755837	409955.513666215	3351.1787106609277	3303.2428771051478	3245.3232372085524	3244.776627452695	58.090644369544	58.4662043987828
158	420	130128	-269721.1413	1068937.3170250766	39.068696272027436	-101.7520594	264562.4759174349	409951.374965432	3359.32039995438	3302.930032017436	3245.252932317009	3244.949221560367	57.988079840704	57.98378164
159	420	130129	-269661.1413	1068937.3170250766	39.068698019384496	-101.747912	264763.51241514715	409947.232291019	3369.2807373280773	3302.600373282077	3243.9883791818405	3243.352673393223	59.2019814636726	59.24703398888405
160	420	130130	-269601.1413	1068937.3170250766	39.068699121239035	-101.7455647	264964.54878110345	409943.002911539	3383.0671975338303	3302.248904836825	3244.203676068718	3244.195110256214	58.03892439664376	58.44709203106837
161	420	130131	-269541.1413	1068937.3170250766	39.068701778	-101.7432373	265165.5584	409938.351168877	3386.858129	3301.859716545144	3244.10030515152	3243.72623383719	57.9594162985181	57.9594162985181
162	420	130132	-269481.1413	1068937.3170250766	39.0687035922284	-101.74087	265366.062186415	409934.61074003	3370.642831269896	3301.450595176167	3243.922543957894	3244.189597091508	57.52805124975294	57.52805124975294
163	420	130133	-269421.1413	1068937.3170250766	39.068705351545155	-101.7385228	265567.656190565	409930.307400027	3369.903125073357	3301.014892002015	3243.6443200723043	3243.58074486714	57.57862293717276	57.57862293717276
164	420	130134	-269361.1413	1068937.3170250766	39.068707187571769	-101.7361753	265768.9135154537	409926.258949245	3364.626561046118	3300.554972310002	3243.228981611692	3243.71201774428	57.57310044883236	56.7637615255387
165	420	130135	-269301.1413	1068937.3170250766	39.068708995	-101.7338279	265969.7266417797	409922.389906424	3359.356168809874	3300.07468271759	3243.383360486724	3246.136126883022	54.6931322308665	53.94031388737124
166	420	130136	-269241.1413	1068937.3170250766	39.06870198013306	-101.7314086	266170.761521469	409915.250209824	3354.0821774987135	3299.57344855936	3242.437745399503	3243.4807459770307	56.11459945635534	56.0990715858546
167	420	130137	-269181.1413	1068937.3170250766	39.06871259633629	-101.7291332	266371.79617083166	409914.11	3350.025995822136	3299.063478699459	3243.125332	3244.376728770756	56.538147314534945	56.538147314534945
168	420	130138	-269121.1413	1068937.3170250766	39.068714390450374	-101.7267859	266572.830900682	409909.971556978	3351.689290822146	3298.52868569887	3242.961101	3244.93439704189	55.567764763748036	53.93524595799055
169	420	130139	-269061.1413	1068937.3170250766	39.06871617983352	-101.7244385	266773.8847739815	409905.83200723	3351.919059060297	3297.874832169479	3241.8664115318707	3243.4634839251	56.106420817608476	54.2717633022816
170	420	130140	-269001.1413	1068937.3170250766	39.06871796460571	-101.7220911	266974.9897389205	409901.63991235	3351.968209730195	3297.401851367468	3242.7357187932616	3242.771403438621	56.068615237438621	54.63037391695997
171	420	130141	-268941.1413	1068937.3170250766	39.068717949928815	-101.7197438	267175.3234699031	409897.55	3351.69208248155	3296.809819026809	3239.5454549633973	3243.191589089958	57.26436040631415	54.670595921691301
172	420	130142	-268881.1413	1068937.3170250766	39.06871520077189	-101.7173964	267376.965696906	409894.47212518	3350.990431700543	3296.199361235674	3239.291397343367	3241.277766	56.962215	54.9216975233391
173	420	130143	-268821.1413	1068937.3170250766	39.068723290214986	-101.7150491	267577.999240177	409889.279324382	3350.2887875852942	3295.57048456251	3240.289601665934	3239.757961671585	58.2817459391681	55.79483178
174	420	130144	-268761.1413	1068937.3170250766	39.06872505671779	-101.7127017	267779.0322844377	409885.181520781	3348.587140504304	3294.504226007837	3240.242660707837	3240.55296552166	58.2512294549175	58.2512294549175
175	420	130145	-268701.1413	1068937.3170250766	39.0687268910514	-101.709835	267993.470965141	409882.230308708	3348.19445528254	3294.19445528254	3239.19817379148	3239.22163365581	58.2512294549175	58.2512294549175
176	420	130146	-268641.1413	1068937.3170250766	39.06872857823004	-101.707807	268181.097842571	409878.666815955	3351.155683496231	3353.578893791704	3256.776493461097	3252.21148	58.0820734595423	54.36738307754005
177	420	130147	-268581.1413	1068937.3170250766	39.06873031615284	-101.7056596	268382.3100416696	409876.723983614	3352.432561239146	3352.880929340254	3256.8951794031638	3252.305213081065	58.0820734595423	54.36738307754005
178	420	130148	-268521.1413	1068937.3170250766	39.06873208019732	-101.7033122	268583.16217102285	409868.593	3353.7143898154	3352.166876656350	3254.976315792723	3250.356255288846	57.190560737587454	54.81051174068186
179	420	130149	-268461.1413	1068937.3170250766	39.068733824230908	-101.7009469	268784.7904725253	409864.456609046	3351.5099746742413	3291.4372929577894	3254.0136946164234	3249.367710507419	57.42398834136596	54.81051174068186
180	420	130150	-268401.1413	1068937.3170250766	39.068735563728049	-101.6986175	268985.2257463244	409860.32	3356.07632271755	3290.692780196607	3253.00457920569	3246.35170781354	57.68679289901013	54.4304653830896
181	420	130151	-268341.1413	1068937.3170250766	39.06873729891051	-101.6962796	269187.152977996	409856.148137326	3358.9533691681978	3289.652789219748	3249.5523291974084	3245.251381640277	57.68679289901013	54.4304653830896
182	420	130152	-268281.1413	1068937.3170250766	39.068739029117221	-101.6939227	269387.98421198947	409852.048622348	3360.009733040394	3289.159971621732	3249.35610779538	3246.12381630835	57.7486394173735	54.0367394041997
183	420	130153	-268221.1413	1068937.3170250766	39.068740755009423	-101.6915754	269588.319044147	409843.913120126	3413.316782539239	3288.373099773201	3247.537131171773	3245.004446898003	57.8321966554813	54.36946278159781
184	420	130154	-268161.1413	1068937.3170250766	39.06874243662205	-101.6892228	269789.3504914943	409838.7776465	3415.4655095176555	3287.57479768373	3238.08865276685	3243.866903483655	51.4848149168821	54.70657636
185	420	130155	-268101.1413	1068937.3170250766	39.068744191818456	-101.6868806	269990.38078822216	409836.364255554	3417.6122317462014	3286.759157669300	3238.632199528593	3242.716456130485	52.12695814079734	54.04270153884181
186	420	130156	-268041.1413	1068937.3170250766	39.068745903	-101.6845332	270191.411020549	409835.50803938	3419.758953976323	3285.931495562643	3238.1774273398784	3241.557361705796	52.75420473390878	54.73735213908718
187	420	130157	-267981.1413	1068937.3170250766	39.068747613228849	-101.6821689	270392.44110667706	409831.3735777605	3421.948586821877	3285.09059595156	3232.641733330609	3240.395452088408	54.6954756895979	54.6954756895979
188	420	130158	-267921.1413	1068937.3170250766	39.068749314543556	-101.679835	270593.470965141	409827.230308708	3424.19445528254	3294.19445528254	3239.19817379148	3239.22163365581	58.2512294549175	58.2512294549175
189	420	130159	-267861.1413	1068937.3170250766	39.06875105	-101.6774911	270794.50060116395	409823.105	3426.91921804193	3293.732038301743	3258.766257581813	3238.076058788486	53.60686079843617	54.0367394041997
190	420	130160	-267801.1413	1068937.3170250766	39.068752709271919	-101.6751437	270995.530093964	409818.91510616	3428.653979221947	3282.4964268189	3227.206297095866	3238.99473740014	55.2903455922343	53.0176291187177
191	420	130161	-267741.1413	1068937.3170250766	39.0687543888766	-101.6727963	271196.55919334013	409814.983781455	3432.498205195467	3281.608792567371	3225.496255364163	3238.709519269811	55.2903455922343	53.0176291187177
192	420	130162	-267681.1413	1068937.3170250766	39.06875608395955	-101.670449	271397.58815515761	409810.70469896	3437.952030957386	3280.712801238273	3223.975828013519	3242.5447915094737	56.73697321543565	53.16800972879946
193	420	130163	-267621.1413	1068937.3170250766	39.068757764501373	-101.6681016	271598.618	409806.517662923	3443.045817192535	3279.8109001430257	3242.633888897164	3241.359378774225	57.73041247390824	54.074142660324
194	420	130164	-267561.1413	1068937.3170250766	39.06875945507054	-101.6657574	271799.645393380	409802.438873358	3448.89592481148	3278.90058514273	3240.95068042772	3241.51103119126	57.73041247390824	54.074142660324
195	420	130165	-267501.1413	1068937.3170250766	39.068761145529863	-101.663423	271999.645393380	409798.51023902	3453.528845493836	3278.01421638432	3240.06545493836	3240.632812233306	57.73041247390824	54.074142660324
196	420	130166	-267441.1413	1068937.3170250766	39.0687627891516	-101.661054	272201.77170370035	409794.170430483	3458.2318683397	3277.9343353639	3239.9506972435608	3240.1513385673	59.1067411285414	57.7304

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.X	UTM.Y	SurfElev.	W.Lt.	BRElev.Kg.f	BRElev.Kg.f	SatHtLog.f	SatHtLog.f	
279	420	13039	-187461.1413		168993.973170250766	38.08893255005475	-101.4662228	28888.2692516362	4094952.052211358	3161.66748930215	3177.135323845841	3105.865693685849	3106.7464607168913	71.26993015999127	70.3888631294965
280	420	13040	-186801.1413		168937.3170250766	38.0886610983698	-101.4638763	28989.2725044736	409471.5035909494	3175.485661528215	3104.265719056582	3105.8688381773305	3107.22077698	69.6172330786504	68.476547331477
281	420	13041	-186141.1413		168937.3170250766	38.0886465841853	-101.4615273	28938.2686935347	409443.823035454	3173.861105541136	3103.415916185555	3104.86193255945	3104.8188255945	70.45188255945	68.8384161754177
282	420	13042	-185481.1413		168937.3170250766	38.088916833445	-101.4591804	28989.2949002741	409439.3711811465	3104.325802277956	3102.259593252162	3102.531366403443	3104.02867230455	72.1287868015752	68.23087406116701
283	420	13043	-184821.1413		168937.3170250766	38.08890441706369	-101.4568329	28960.30782315385	409435.367232759	3108.6823247733923	3101.6046705266044	3103.0481418473817	68.07756425	67.6341829267066	67.6341829267066
284	420	13044	-184161.1413		168937.3170250766	38.0891709543254	-101.4544854	28989.3169501211	409431.496680791	3109.1266773538177	3100.6281166215523	3103.35056353532	68.501665353532	65.7794252067366	65.7794252067366
285	420	13045	-183501.1413		168937.3170250766	38.08892972844798	-101.452138	29009.23258711395	409409.61675823294	3140.007446	3167.6017222120067	3104.391206665123	3104.0286725703354	68.952694683865	63.952694681671314
286	420	13046	-182841.1413		168937.3170250766	38.08849231610999	-101.4497095	29029.3345864415	409423.276	3140.30281183411	3166.098441169457	3103.215403341126	3101.621894	62.8303782814455	64.476547331477
287	420	13047	-182181.1413		168937.3170250766	38.0886465841853	-101.447443	29064.3420961503	409419.166	3164.819703494977	3097.419689314119	3097.048514558724	67.198361186974	67.198361186974	65.8484161754177
288	420	13048	-181521.1413		168937.3170250766	38.0886735537863	-101.4450955	29095.3515	409415.05565429	3163.16572844436	3095.460724225266	3097.20286576722	65.7045421916929	65.95240576815398	65.95240576815398
289	420	13049	-180861.1413		168937.3170250766	38.0897981	-101.4427481	29086.3569597569	409410.847150971	3088.96378781225	3161.7348247068358	3095.620168835674	66.8343034231777	65.11465482277165	65.11465482277165
290	420	13050	-180201.1413		168937.3170250766	38.0899221322941	-101.4404006	29107.36749411904	409404.637997341	3087.375950372932	3160.327158711026	3093.610115610527	3094.30610898276	66.7170431074498	66.0214717257584
291	420	13051	-179541.1413		168937.3170250766	38.09005447123904	-101.4380531	29128.3752	409400.72809358	307.505518722342	3158.942703011965	3092.59472306072474	3094.1376094838	64.79894260358222	64.79894260358222
292	420	13052	-178881.1413		168937.3170250766	38.090168966485	-101.4357056	29149.3266891596	409398.62047522	307.537629737635	3157.808883883055	3091.241184264858	3092.1903037181	66.33970412314978	64.76998451711052
293	420	13053	-178221.1413		168937.3170250766	38.0902915985214	-101.4335352	29170.3894976354	409394.6201173752	3085.209240740046	3156.241085101757	3089.590414178653	3091.77633219087	66.65067092	64.6457918694304
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295	420	13055	-176901.1413		168937.3170250766	38.0905356416588	-101.4286632	292102.40389938897	409382.289316405	3042.36084497757	3153.642162517898	3086.439797705327	3087.10323023973	67.78923825425691	64.52298598181642
296	420	13056	-176241.1413		168937.3170250766	38.090656829226	-101.4263157	292303.4105685819	409382.18626701	3040.130862020037	3152.316570166556	3085.460047718494	3087.76591022770684	68.168009298195	64.57596473981756
297	420	13057	-175581.1413		168937.3170250766	38.090777806495	-101.4239682	292504.4170422987	409378.08004574	337.893659452881	3151.07252651435	3084.087477535617	3086.43135960966	66.98957115829	64.64073906
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318	420	13078	-161721.1413		168937.3170250766	38.09323117454756	-101.3746709	296725.5061781091	409291.88417116	334.6062156640403	3124.666231566552	3058.5601460146174	3057.160714249343	67.0930736	66.0730736
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321	420	13081	-159741.1413		168937.3170250766	38.093546336383	-101.367428	297329.517678259	409279.1323846	334.0547357	3121.96413238446	3055.417314348295	3054.75104348295	67.634097842836	67.634097842836
322	420	13082	-159081.1413		168937.3170250766	38.09365363463	-101.365281	297529.5151529435	409275.47783178	334.2173556701416	3119.46092611412	3054.75104348295	3054.75104348295	65.71472422	66.3142020738907
323	420	13083	-158421.1413		168937.3170250766	38.093761759332	-101.3629334								

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.	W.Lt.	BRELEV.Kg.f	BRELEV.Kg.f	SatH.Kg.f	SatH.Both.f
400	401465	-103401.1413			1689937.3170250766	39.81011641811724	-101.7704362	314211.9624658212	2408935.922390059	2973.993100720333	2979.76283276256	2989.590859262105	31.17542041151304	34.1767667357605
406	401466	-103641.1413			1689937.3170250766	39.810212356321529	-101.1680898	314412.9473911142	2408931.462238542	2970.961766685032	2972.38667490167	2904.5760575700794	25.186868722349354	25.186868722349354
407	401467	-102981.1413			1689937.3170250766	39.81017230839965	-101.1657161	314613.9333356489	2408927.7817914565	2967.9889662431174	2955.049491552321	2904.643903390262	20.40400110091869	21.044380365471794
408	401468	-102321.1413			1689937.3170250766	39.8101773734416	-101.1633636	314814.9184996334	2408923.681650237	2965.074429330452	2922.7189013870452	2908.630521	10.408579918536248	17.04430256331034
409	401469	-101661.1413			1689937.3170250766	39.81014472639404	-101.1611046	315015.9035	2408919.061831686	2962.160425545727	2920.1407119091836	2910.2371414486944	10.169977641189234	13.395184747936582
410	401470	-101001.1413			1689937.3170250766	39.81051567600496	-101.1586985	315216.8882867724	2408915.521913968	2956.2426256	2918.1143894218844	2906.7501469182627	2902.478205205096	11.363427407368248
411	401471	-100341.1413			1689937.3170250766	39.81015861	-101.1563509	315417.8729103408	2408911.442451737	2958.220012024187	2915.8398705468403	2907.321012896497	2902.647264726232	8.511867506480227
412	401472	-99891.1413			1689937.3170250766	39.81016548132346	-101.1540304	315618.8573418345	2408907.362328824	2958.08262907120215	2913.58306069299	2909.971123506127	2905.27738583276	6.3118831841963583
413	401473	-99021.1413			1689937.3170250766	39.81017230839965	-101.1516568	315819.8416185078	2408903.426259387	2959.9449693826787	2911.3441742328166	2909.8175919500262	2904.785307801914	1.5282079235348647
414	401474	-98361.1413			1689937.3170250766	39.810170019162	-101.1493903	316021.827530253	2408899.205517773	2960.8701284953243	2909.12356977851	2904.345357309005	2904.017679010446	0
415	401475	-97701.1413			1689937.3170250766	39.81018582067434	-101.1469607	316221.8096924255	2408895.127029423	2967.021816265448	2906.9219281312644	2902.909501479328	2905.85082589129	3.931426519363628
416	401476	-97041.1413			1689937.3170250766	39.81019251963071	-101.1446132	316422.79343633007	2408894.48783953	2978.5886154019398	2904.739772336076	2901.822679260423	2894.341832201743	2.91703005
417	401477	-96381.1413			1689937.3170250766	39.810199165814716	-101.1422556	316627.768984649	2408889.971	2990.1553931712324	2902.5789640057537	2900.4685836704843	2892.6657379007233	2.1190332569393
418	401478	-95721.1413			1689937.3170250766	39.8102057664285	-101.1399181	316824.7605664285	2408882.893	3001.7221709527269	2900.4401601977156	2908.9504903256946	2900.850136282877	1.41656872020964
419	401479	-95061.1413			1689937.3170250766	39.810212322115056	-101.1375705	317025.7435460213	2408878.815521956	2908.781590132946	2908.63263508884	2909.037721510966	2909.818448803121	3.25951390777427
420	401480	-94401.1413			1689937.3170250766	39.8102188322131	-101.135223	317226.726594918	2408874.73825745	3000.2353573590362	2896.229657121886	2893.238734089744	2896.889841395789	2.912141032141335
421	401481	-93741.1413			1689937.3170250766	39.81022529691606	-101.1328754	317427.7094	2408867.661237897	3000.3885507407784	2904.11849600053	2908.2389114150096	2904.16773808814	0
422	401482	-93081.1413			1689937.3170250766	39.81023171336907	-101.1305278	317628.6920533804	2408866.584	2997.5417553096625	2892.109355096793	2895.037782495034	2887.0024684214	0
423	401483	-92421.1413			1689937.3170250766	39.81023800044451	-101.1281803	317829.6745326265	2408862.50732853	2997.7068335517926	2890.01562340929	2887.7875846093743	2880.0401761453964	2.23977715354603
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425	401485	-91011.1413			1689937.3170250766	39.8102507027433	-101.1234852	318231.6382963995	2408854.35605672	3004.060754877297	2886.09181	2883.790534342078	2875.631645017627	2.30054665271884
426	401486	-90441.1413			1689937.3170250766	39.81025694	-101.1213716	318422.6209122557	2408850.28	3007.237716	2884.1310982823	2872.970720962457	2863.8530623638	1.111608318656517
427	401487	-89821.1413			1689937.3170250766	39.8102633073371	-101.1197291	318633.498629691	2408842.04259652	2988.865811274847	2884.110951962962	2868.110951962962	2854.110951962962	0
428	401488	-89211.1413			1689937.3170250766	39.8102692034678	-101.1164255	318834.5842013706	2408842.12985309	3000.83373070176	2880.284764898497	2868.4694213754633	2859.799432947505	11.8153431438355
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431	401491	-87141.1413			1689937.3170250766	39.81028745	-101.1093998	319437.58201383725	2408829.904051018	3000.54522295124	2874.6833985193227	2861.14551225760206	2851.7884779133227	22.80494197752265
432	401492	-86481.1413			1689937.3170250766	39.81029341586001	-101.1076233	319638.58006505175	2408825.40317307	2995.057866711237	2872.867755619267	2860.27556059655	2850.80039653754	22.05772401172892
433	401493	-85821.1413			1689937.3170250766	39.81029933673371	-101.1057474	319839.4896	2408821.756960555	2988.965811274847	2871.781110969292	2861.110951962962	2854.110951962962	22.503077893164826
434	401494	-85161.1413			1689937.3170250766	39.81030521148014	-101.1032571	320040.40716592184	2408817.6252534622	2987.625903771168	2869.13531993049	2866.3414877270958	2854.110951962962	22.94519309810186
435	401495	-84501.1413			1689937.3170250766	39.8103104125609	-101.1000096	320241.4550330564	2408813.608682133	2975.62604477481	2867.4907547591706	2856.2672531240408	2852.633528492561	11.22303433505844
436	401496	-83841.1413			1689937.3170250766	39.81031682567591	-101.0976262	320442.4307	2408809.935309093	2965.73828214867	2862.733515344995	2854.63036536203	2850.9073881126	11.103150168179127
437	401497	-83181.1413			1689937.3170250766	39.81032256473957	-101.0953144	320643.407432157	2408805.462204417	2989.8216128681324	2863.98598825463	2853.184193237476	2849.343570101626	10.80140559
438	401498	-82521.1413			1689937.3170250766	39.8103285844709	-101.0929696	320844.390656551	2408801.83994452	2989.919369914737	2860.955273107577	2860.95526117905	2860.95526117905	10.508116311452
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441	401501	-80541.1413			1689937.3170250766	39.8103450543277	-101.0859422	321447.3290728803	2408778.172	2996.27549443336	2857.0689789208	2858.07567358594	2856.94135236785	0
442	401502	-79881.1413			1689937.3170250766	39.81035057175625	-101.0835766	321648.3802209567	2408775.10053631	2994.90327688546	2855.35473714224	2841.093073483475	2832.224851136715	14.264293605376658
443	401503	-79221.1413			1689937.3170250766	39.81035604664228	-101.0812291	321849.2871966964	2408762.750274455	2985.654106	2838.937673854096	2847.764786601743	2837.7641687224053	22.978318936536715
444	401504	-78561.1413			1689937.3170250766	39.81036166812754	-101.0788815	322050.2659973246	2408767.957321224	2987.625903771168	2863.98598825463	2853.184193237476	2849.343570101626	10.80140559
445	401505	-77901.1413			1689937.3170250766	39.8103684442699	-101.0765339	322251.244626304	2408772.886193368	2988.6958706035	2850.27740897066	2841.94103737386	2841.94103737386	0
446	401506	-77241.1413			1689937.3170250766	39.8103732175250025	-101.0741864	322452.230823089	2408768.815700262	2986.62714393466	2848.608356722964	2847.61678293154	2847.61678293154	0
447	401507	-76581.1413			1689937.3170250766	39.8103786923371	-101.0718291	322653.6674556569	2408764.7446113009	2984.9342919684	2846.9342919684	2846.9342919684	2846.9342919684	0
448	401508	-75921.1413			1689937.3170250766	39.81038327039233	-101.0694912	322854.179467503	2408761.67419075	2982.77940436334	2845.350833695175	2822.074628740287	2814.053114768494	28.16681665232479
449	401509	-75261.1413			1689937.3170250766	39.810387972161	-101.0671437	323055.1578157104	2408756.60402739	2984.867115881944	2843.7853101422847	2822.710625314436	2815.5093394783926	21.07486827484514
450	401510	-74601.1413			1689937.3170250766	39.81039304515462	-101.0647961	323256.1351831107	2408752.351022005	2980.7444114142436	2842.2644725756627	2819.510645427854	2812.750803028776	29.393591045347673
451	401511	-73941.1413			1689937.3170250766	39.81039814923135	-101.0624485	323457.127786545	2408748.46461394	2980.74441142436	2840.87409367395	2812.6204307166577	2805.2667117384112	38.079022008185
452	401512	-73281.1413			1689937.3170250766	39.810403217951794	-101.060101	323658.0902027717	2408744.3945239	2982.97402552978	2839.4311055789212	2809.363810824819	2807.303754741022	45.39252914707206
453	401513	-72621.1												

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM.Y	SurfElev.	W.Lt.	BRiElevKgr.f	BRiElevKgr.f	SatThkLogs.f	SatThkLogs.f		
531	420	310591	-121.141133		-00.869537310250766	39.81065952030478	-00.8746423	339534.7826746326	4008423.681425118	2707.9196508075288	2786.448747022978	2780.456961000153	2783.904383295986	17.991786022824726	14.544363762991907
532	420	310592	-20481.141133		-00.869537310250766	39.81066050497756	-00.8722947	339735.7470459242	4008419.615214848	2908.6249267865005	2796.441517620969	2782.1388181910534	2785.247803635179	14.30269952915423	11.193714185789759
533	420	310593	-19821.141133		-00.869537310250766	39.81066153533392	-00.8698947	339856.1172346357	4008415.5818616658	2891.5330477854727	2794.403234252256	2780.196378049415	2783.108542906668	14.205666457383359	11.294780365669834
534	420	310594	-19161.141133		-00.869537310250766	39.81066367	-00.8675962	340137.65345642	4008411.535245642	2913.64556744455	2792.334100895183	2775.643736255608	2778.901591706026	16.6870559622346	13.432515014580531
535	420	310595	-18501.141133		-00.869537310250766	39.8106649683587	-00.865252	340338.6302481101	4008403.4832723409	2790.7208102454438	2790.235687938875	2773.7580785146747	2776.8980236679686	16.477609416200266	13.33766426
536	420	310596	-17841.141133		-00.869537310250766	39.81066621770164	-00.8629044	340539.6300563066	4008404.434	2933.38597246448	2798.110255468478	2771.72305008614	2774.715306179293	16.377654062072304	13.39494360956616
537	420	310597	-17181.141133		-00.869537310250766	39.81066742111059	-00.8605568	340704.56660922314	4008395.385660282	2946.051342914249	2785.959923526416	2769.559548964227	2776.3234988506	16.46007368018875	13.58656537909088
538	420	310598	-16521.141133		-00.869537310250766	39.81066857911629	-00.8582092	340941.5300590958	4008396.337	2958.716296314519	2783.7867257960743	2767.271674236595	2769.87485233087	16.15051559477797	13.91187472987281
539	420	310599	-15861.141133		-00.869537310250766	39.81066958158507	-00.8559817	341142.493554528	4008391.289922123	2981.530617884772	2781.559512562826	2768.057629799342	2767.202497329299	16.7546694284827	14.38617519678374
540	420	310600	-15201.141133		-00.869537310250766	39.81067075919576	-00.8535141	341343.4545850254	4008397.24106892	2971.5504181657004	2779.37987146574	2762.207109	2764.511343670505	17.11785791384724	15.0576237516747
541	420	310601	-14541.141133		-00.869537310250766	39.81067178178264	-00.8511665	341544.419848435	4008393.13	2975.6544653291352	2778.290874117987	2761.25467361072	2758.28974117987	17.85554920330508	16.02209689753254
542	420	310602	-13881.141133		-00.869537310250766	39.8106727580314	-00.8488189	341745.3823550153	4008379.14589318	2980.319472618602	2774.826414915555	2765.9690760311937	2757.30730260260	18.92356540641676	17.36091123139522
543	420	310603	-13221.141133		-00.869537310250766	39.8106736890171	-00.8464713	341935.3400598643	4008375.098670964	2982.541008143644	2772.6226079037874	2761.372846384784	2752.5845492633894	19.2497362895457	20.03805864039805
544	420	310604	-12561.141133		-00.869537310250766	39.81067474962414	-00.8441327	342147.3076174336	4008371.051692456	2975.2302127296903	2770.336691376782	2747.1746487347198	2748.161349630232	23.16204735052589	22.17530150744642
545	420	310605	-11901.141133		-00.869537310250766	39.81067541553719	-00.8417761	342348.27020124547	4008367.040956535	2986.7261449593505	2768.03633421781	2742.5525739353585	2743.13569296173	25.4837606791925249	24.9027632216376
546	420	310606	-11241.141133		-00.869537310250766	39.81067621073475	-00.8394286	342549.23224877944	4008362.958461524	2986.5358408005117	2765.7226766893	2737.51514608831	2737.5455010132046	28.2077376322023	28.17735655738624
547	420	310607	-10581.141133		-00.869537310250766	39.81067766057546	-00.837081	342750.1943444894	4008358.912172096	2986.882357387934	2763.397604	2733.155861481173	2732.701421761738	30.6861910645185	30.6861910645185
548	420	310608	-9921.141137		-00.869537310250766	39.81067766057546	-00.8347334	342951.156248404	4008354.666213314	2971.4401934306146	2761.0617291667813	2734.005737000365	2734.2438646694304	37.05599216441583	36.8782463530945
549	420	310609	-9261.141327		-00.869537310250766	39.81067832	-00.8328358	343152.1180210113	4008350.42632685	2976.9921511228886	2758.71640075983	2734.93760482509	2735.768214627334	37.27879727747404	37.27879727747404
550	420	310610	-8601.141137		-00.869537310250766	39.8106783975661	-00.8300382	343353.0796243373	4008346.77438664	2982.541008143644	2756.362439350487	2735.580572664153	2736.837546097874	37.2673128889441	37.2673128889441
551	420	310611	-7941.141327		-00.869537310250766	39.8106795037001	-00.8278906	343554.0411126141	4008342.72966407	2984.165064175908	2754.0031752822	2735.99700754811	2737.54533804291	18.00613894	16.4568063907008
552	420	310612	-7281.141327		-00.869537310250766	39.81068002942656	-00.825343	343753.70540024	4008338.68	2981.85501725058	2751.63440534248	2736.295650406984	2738.000086370991	15.814841254376	13.637160861437224
553	420	310613	-6581.141327		-00.869537310250766	39.81068057126234	-00.8234838	343954.3898797024	4008334.98948457	2982.541008143644	2750.788498472	2737.791824382923	2737.791824382923	16.02209689753254	16.02209689753254
554	420	310614	-5961.141327		-00.869537310250766	39.8106813049115	-00.8206479	344156.9246192766	4008330.59530782	2972.2342365596	2746.89567784317	2737.23615393775	2737.08038226633	16.94683845541271	7.867595557684098
555	420	310615	-5301.141327		-00.869537310250766	39.8106813049115	-00.8180033	344357.8854874631	4008326.551	2971.3303608075683	2744.899377823228	2737.37332846824	2738.155316222386	9.554681489102	5.74665595939758
556	420	310616	-4641.141327		-00.869537310250766	39.8106816808436	-00.8159527	344558.8462056416	4008322.50965483	2961.832024661052	2742.142117376196	2737.5949737004767	2739.295975203985	14.6741367519326	2.8462421722888
557	420	310617	-3981.141327		-00.869537310250766	39.81068168435674	-00.8136051	344759.8067402054	4008318.463143637	2952.333415256396	2739.7626908096754	2738.0922721090133	2739.691684022015	15.04741366201396	0.003053287848
558	420	310618	-3321.141327		-00.869537310250766	39.81068215272224	-00.8115275	344960.7671920274	4008314.419676174	2942.834857845678	2737.382423064343	2738.281652680024	2739.833195643627	16.4568063907008	16.4568063907008
559	420	310619	-2661.141327		-00.869537310250766	39.81068290875001	-00.8098995	345161.724622001	4008310.768252598	2938.7261449593505	2736.07292468569	2738.0343771955117	2739.043771955117	17.36091123139522	17.36091123139522
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561	420	310621	-1341.141327		-00.869537310250766	39.81068290875001	-00.8042148	345563.6475536532	4008302.29032552	2931.3303102168625	2730.242730121905	2736.451379046782	2738.34267021493	0	0
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563	420	310623	-21.14132693		-00.869537310250766	39.8106827536588	-00.7995196	345965.56750502964	4008304.25032418	2926.638991764457	2725.487175632146	2733.463240825636	2735.6236314861562	19.52730334259316	19.52730334259316
564	420	310624	338.858673033514		-00.869537310250766	39.81068276871164	-00.7971772	346166.52558117	4008300.12638125	2925.362594204215	2723.13310981015	2730.80858775966	2733.23226213002	0	0
565	420	310625	1298.858673033514		-00.869537310250766	39.81068276871164	-00.7948244	346367.4895925808	4008296.12433734	2924.086219291984	2720.7442827169897	2728.177205334943	2730.843391307645	0	0
566	420	310626	2198.858673033514		-00.869537310250766	39.81068290875001	-00.7924762	346569.4518243725	4008292.7980447	2922.80024945753	2719.3802247246977	2731.85119237198	2731.85119237198	20.03805864039805	20.03805864039805
567	420	310627	3118.858673033514		-00.869537310250766	39.81068290875001	-00.7901293	346769.402641556	4008287.638429128	2922.440310052642	2716.021871	2727.92332936567	2731.85119237198	21.73735655738624	21.73735655738624
568	420	310628	3278.858673033514		-00.869537310250766	39.81068290875001	-00.7877817	346970.3619834413	4008283.997297082	2922.985716610551	2713.6694605920547	2725.834674571529	2729.950495966423	22.17530150744642	22.17530150744642
569	420	310629	3938.858673033514		-00.869537310250766	39.81068187913105	-00.7854341	347171.32198520701	4008279.59408529	2923.582246186659	2711.323441618641	2723.832079337755	2728.215695115784	0	0
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571	420	310631	5258.85867303351		-00.869537310250766	39.8106813049129	-00.7807389	347573.2931778425	4008261.6531865	2923.7313289	2706.65283082613	2717.665513054466	2718.822844777797	0	0
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573	420	310633	6578.85867303351		-00.869537310250766	39.81068057126234	-00.7761692	347975.3763298071	4008253.786298071	2921.851068217591	2704.1229192336	2719.372158256858	2720.03805864039805	23.16204735052589	23.16204735052589
574	420	310634	7238.85867303351		-00.869537310250766	39.8106800128098	-00.7736092	348176.1173168686	4008249.756	2919.937865570506	2709.71495120649	2714.606175550068</			

ix	iy	ic	X.ft	Y.ft	Latitude	Longitude	UTM-X	UTM-Y	SurfElev.ft	W.Lt.	BR ElevLogsKg.f	BR ElevBothKg.f	SatThkLogs.ft	SatThkBoth.ft
657	420	310717	6218.85867307335	1068937.3170250766	39.81046253982144	-100.5788469	364855.14273949695	4407915.310688436	2675.7027682673884	2559.4777032020604	2563.060761264888	2563.7788801460624	0	0
658	420	310718	6267.85867307335	1068937.3170250766	39.81047826	-100.5764944	365056.08924058126	4407911.29143549	2673.08863509512	2559.417629871016	2560.619203513797	2561.1794814448438	0	0
659	420	310719	6338.85867307335	1068937.3170250766	39.810473804582305	-100.5741816	365857.0381239037	4407907.272424549	2668.847665892737	2559.412742560688	2561.919212482595	2562.9784180174357	0	0
660	420	310720	6398.85867307335	1068937.3170250766	39.8104654948308	-100.5718042	365457.9818567276	4407903.2536566295	2662.979847447043	2559.4507114589519	2555.223967974452	2555.267491793519	4.232612662451174	4.189519676377586
661	420	310721	6468.85867307335	1068937.3170250766	39.81046512865743	-100.5694566	365658.928	4407899.235	2657.1120289913492	2559.5467242137435	2552.63462719181802	2552.3724017481777	6.912115022563285	7.174340466
662	420	310722	6531.85867307335	1068937.3170250766	39.81046062475364	-100.56711091	365859.8730594838	4407895.21684973	2651.244210535656	2559.6770424452134	2541.8259860819426	2545.574481630685	17.85105636	19.132160282144923
663	420	310723	6597.85867307335	1068937.3170250766	39.81045615093685	-100.5647615	366060.8198188549	4407891.198808856	2645.0263990185103	2559.8435805728677	2539.9807575097301	2537.9302758097385	19.8622305566772	21.913304763131237
664	420	310724	6663.85867307335	1068937.3170250766	39.810451594041986	-100.5624139	366261.765504977	4407887.1811011565	2638.45894339112	2560.0422133655184	2526.578646001814	2521.1233226736725	33.4663487563369	38.9188909992453
665	420	310725	6728.85867307335	1068937.3170250766	39.810449891790705	-100.5600664	366462.71115467137	4407883.183458807	2631.8907898613165	2560.2689770888971	2526.226856240855	2520.967287114038	34.4232684604183	38.6016887485957
666	420	310726	6795.85867307335	1068937.3170250766	39.810442344183066	-100.557718	366663.6566314201	4407878.1746144875	2625.322625327194	2560.519235182128	2525.568921230047	2520.588519256243	34.9506238817086	39.920977525296324
667	420	310727	6861.85867307335	1068937.3170250766	39.81043765121901	-100.5553712	366864.60198111774	4407875.120705456	2618.2018489202633	2560.788083964339	2524.6661152064703	2520.3129898772477	36.12196875786867	40.47509480709129
668	420	310728	6927.85867307335	1068937.3170250766	39.81043291289861	-100.5530236	367065.5472038988	4407871.121248646	2610.527380775033	2561.0718128516423	2523.39356696167	2519.6731244537077	37.67825616547543	41.3986839827159
669	420	310729	6993.85867307335	1068937.3170250766	39.81042812922187	-100.5506761	367266.4925999884	4407867.0598644136	2602.8529126294416	2561.3671089569855	2523.5022380353565	2519.760530015502	37.86477890342894	41.60657694148358
670	420	310730	7059.85867307335	1068937.3170250766	39.810423300187766	-100.5483285	367467.4372695867	4407863.979322812	2595.1784444834945	2561.69008608001	2520.7729335796157	2519.931638134233	40.8980344883529	44.131045457767
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672	420	310732	7191.85867307335	1068937.3170250766	39.81041135005356	-100.5436334	367869.3268301307	4407855.047387292	2583.203883970025	2562.292826630904	2515.6633715333278	2513.948779999513	46.02945710976252	48.34404866353907
673	420	310733	7257.85867307335	1068937.3170250766	39.810408540949005	-100.5412588	368070.2715	4407851.031761386	2577.77899677302	2562.6053471857817	2512.159823255974	2510.839828344848	45.5452482980771	51.76541883729876
674	420	310734	7323.85867307335	1068937.3170250766	39.8104035304095	-100.5389382	368271.215987074	4407847.01638005	2572.3541153383014	2562.0148233655415	2504.313812906054	2503.3778743733462	50.60015103728873	59.53694929219682
675	420	310735	7389.85867307335	1068937.3170250766	39.81038474675864	-100.5365907	368472.16032730334	4407843.001251209	2571.064181982014	2563.218304346557	2501.986308275643	2501.430720424805	61.2319958889142	61.77928731071515
676	420	310736	7455.85867307335	1068937.3170250766	39.81038337350487	-100.5342431	368673.1045427985	4407838.968364026	2563.9091994719383	2563.5131160623673	2500.1154552920448	2499.955268880385	63.397660770322545	63.55784717
677	420	310737	7521.85867307335	1068937.3170250766	39.8103826977761	-100.5318955	368874.0486322092	4407834.972	2576.7542169618637	2563.7967591336546	2504.818954531539	2503.8123094850915	59.78790460211561	59.9844828856315
678	420	310738	7587.85867307335	1068937.3170250766	39.8103830504056	-100.529548	369074.3592972544	4407830.357191927	2578.599234517886	2564.0681745933634	2516.86213069953	2516.3464706456727	47.2000634913963	47.631703948163704
679	420	310739	7653.85867307335	1068937.3170250766	39.8103777854524	-100.5272004	369275.3364377485	4407826.943161191	2582.282620755612	2564.3254512621884	2522.923446743864	2522.81228690211	41.03200448718895	41.51316436017714
680	420	310740	7719.85867307335	1068937.3170250766	39.81037512552819	-100.5248528	369478.801537674	4407822.92304454	2584.80273818181	2564.5667741814267	2528.4588635682175	2527.9436419333106	36.10791025020204	36.62313224793615
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694	420	310754	8643.85867307335	1068937.3170250766	39.81029379651328	-100.4919869	372290.0792243927	4407766.759874741	2636.954177373969	2565.670870737943	2561.7784693967197	2563.034605693996	3.597617672545693	2.336626505474724
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